

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122218\
 Data File : VU028911.D
 Acq On : 22 Dec 2018 13:47
 Operator : MD/SY
 Sample : VU1222MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 11:48:44 AM

Quant Time: Dec 24 05:58:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	89111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	145499	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	41240	30.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.66%	
35) Dibromofluoromethane	4.88	113	35489	38.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.52%	
50) Toluene-d8	7.57	98	133755	36.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.86%	
62) 4-Bromofluorobenzene	10.30	95	46376	34.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	11189	9.368	ug/l	97
3) Chloromethane	1.33	50	17994	8.194	ug/l	96
4) Vinyl Chloride	1.40	62	14644	9.241	ug/l	96
5) Bromomethane	1.61	94	8370	13.112	ug/l	98
6) Chloroethane	1.69	64	8459	9.429	ug/l	91
7) Trichlorofluoromethane	1.88	101	16339	9.800	ug/l	95
8) Diethyl Ether	2.10	74	7779	9.972	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.28	101	10593	10.623	ug/l	97
10) Methyl Iodide	2.41	142	8809	11.259	ug/l	94
11) Tert butyl alcohol	2.83	59	14334	47.310	ug/l	98
12) 1,1-Dichloroethene	2.28	96	10889	10.975	ug/l	84
13) Acrolein	2.19	56	10723	44.396	ug/l	99
14) Allyl chloride	2.59	41	18226	7.765	ug/l #	95
15) Acrylonitrile	2.94	53	37902	45.059	ug/l	99
16) Acetone	2.32	43	36512	41.145	ug/l	92
17) Carbon Disulfide	2.48	76	34896	9.763	ug/l	100
18) Methyl Acetate	2.62	43	21066	9.158	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	35866	9.536	ug/l	96
20) Methylene Chloride	2.70	84	13522	10.337	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	11468	10.266	ug/l	88
22) Diisopropyl ether	3.57	45	38373	8.407	ug/l #	96
23) Vinyl Acetate	3.52	43	150417	39.953	ug/l #	94
24) 1,1-Dichloroethane	3.44	63	22379	9.367	ug/l	99
25) 2-Butanone	4.26	43	49379	40.718	ug/l #	90
26) 2,2-Dichloropropane	4.22	77	17336	9.157	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	12827	10.145	ug/l	91
28) Bromochloromethane	4.55	49	11825	10.887	ug/l	85
29) Tetrahydrofuran	4.64	42	31947	41.018	ug/l	91
30) Chloroform	4.67	83	20969	10.070	ug/l	95
31) Cyclohexane	4.99	56	21785	8.346	ug/l #	85
32) 1,1,1-Trichloroethane	4.91	97	16285	9.416	ug/l	96
36) 1,1-Dichloropropene	5.13	75	15527	9.752	ug/l	96
37) Ethyl Acetate	4.38	43	17620	8.561	ug/l	98
38) Carbon Tetrachloride	5.13	117	13039	10.161	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	19372	9.973	ug/l	93
40) Benzene	5.39	78	50335	10.734	ug/l	99
41) Methacrylonitrile	4.54	41	9496	8.425	ug/l #	91
42) 1,2-Dichloroethane	5.40	62	16200	9.869	ug/l	100
43) Isopropyl Acetate	5.55	43	26980	8.288	ug/l	95
44) Trichloroethene	6.19	130	11528	11.056	ug/l	93
45) 1,2-Dichloropropane	6.43	63	13707	10.395	ug/l	97
46) Dibromomethane	6.56	93	8225	10.512	ug/l	92
47) Bromodichloromethane	6.76	83	16109	10.580	ug/l	99
48) Methyl methacrylate	6.62	41	13459	8.313	ug/l	89
49) 1,4-Dioxane	6.62	88	6303	246.569	ug/l #	89
51) 4-Methyl-2-Pentanone	7.46	43	88034	42.875	ug/l	95
52) Toluene	7.64	92	29498	10.689	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	17438	9.617	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	19887	10.109	ug/l	91
55) 1,1,2-Trichloroethane	8.07	97	12396	11.363	ug/l	99
56) Ethyl methacrylate	8.02	69	17146	9.178	ug/l #	90
57) 1,3-Dichloropropane	8.24	76	21025	10.382	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	45856	47.923	ug/l	95
59) 2-Hexanone	8.36	43	67589	41.531	ug/l	93
60) Dibromochloromethane	8.48	129	11097	10.390	ug/l	98
61) 1,2-Dibromoethane	8.58	107	12905	11.281	ug/l	98
64) Tetrachloroethene	8.22	164	10030	11.255	ug/l	97
65) Chlorobenzene	9.12	112	32011	11.244	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	10386	11.424	ug/l	97
67) Ethyl Benzene	9.25	91	52830	10.094	ug/l	97
68) m/p-Xylenes	9.37	106	41465	21.773	ug/l	91
69) o-Xylene	9.78	106	19744	10.669	ug/l	93
70) Styrene	9.79	104	30514	9.963	ug/l	96
71) Bromoform	9.96	173	8915	11.527	ug/l #	98
73) Isopropylbenzene	10.16	105	50567	10.298	ug/l	100
74) N-amyl acetate	10.01	43	22532	7.955	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	21582	11.441	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	18535m	11.343	ug/l	
77) Bromobenzene	10.45	156	13466	11.725	ug/l	88
78) n-propylbenzene	10.59	91	58529	9.592	ug/l	97
79) 2-Chlorotoluene	10.66	91	37106	10.557	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	41026	10.093	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.51	75	6379m	10.021	ug/l	
82) 4-Chlorotoluene	10.77	91	40005	9.605	ug/l	97
83) tert-Butylbenzene	11.10	119	40753	10.402	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	41894	10.001	ug/l	95
85) sec-Butylbenzene	11.32	105	49774	9.889	ug/l	98
86) p-Isopropyltoluene	11.48	119	40791	9.541	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	23395	10.788	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	23262	10.368	ug/l	98
89) n-Butylbenzene	11.89	91	36296	8.388	ug/l	99
90) Hexachloroethane	12.14	117	6760	10.461	ug/l	88
91) 1,2-Dichlorobenzene	11.88	146	23855	10.997	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3609	8.837	ug/l	73

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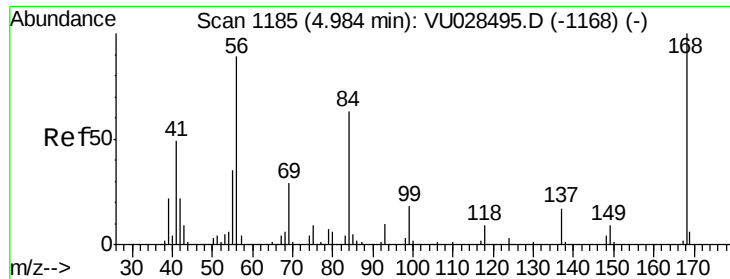
Manual Integrations
APPROVED

MMDadoda
12/24/2018 11:48:44 AM

Quant Time: Dec 24 05:58:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	13036	9.442	ug/l	97
94) Hexachlorobutadiene	13.69	225	7198	10.130	ug/l	98
95) Naphthalene	13.75	128	42425	8.151	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	14289	9.750	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion:168 Resp: 89111

Ion Ratio Lower Upper

168 100

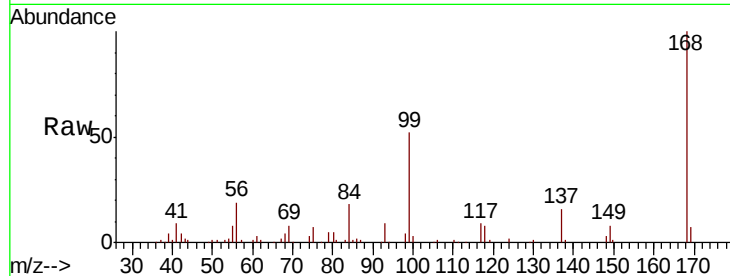
99 51.8 46.6 69.8

Manual Integrations

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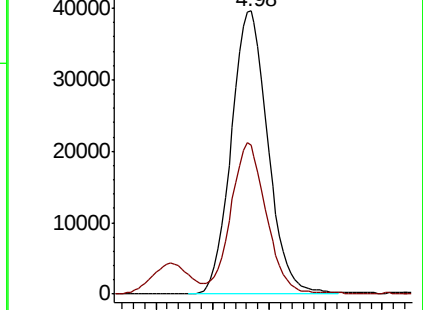
MMDadoda

12/24/2018 11:48:44 AM

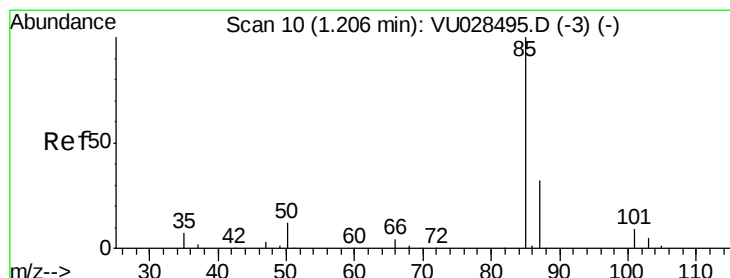
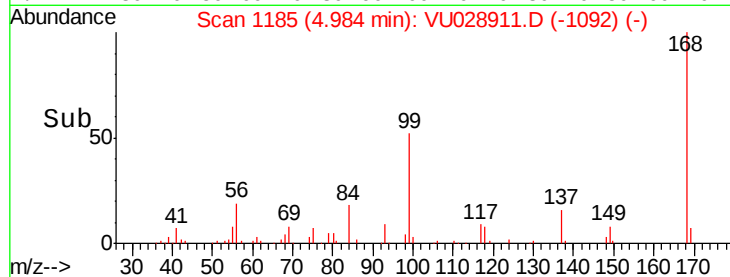


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 9.368 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028911.D

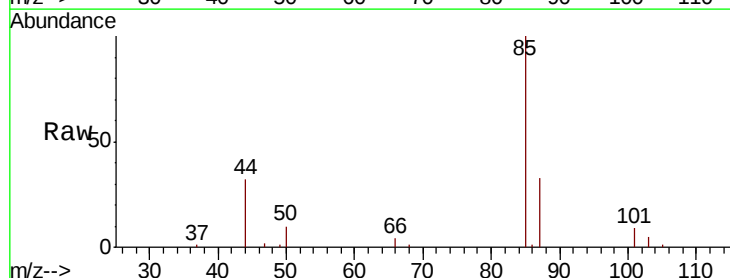
Acq: 22 Dec 2018 13:47

Tgt Ion: 85 Resp: 11189

Ion Ratio Lower Upper

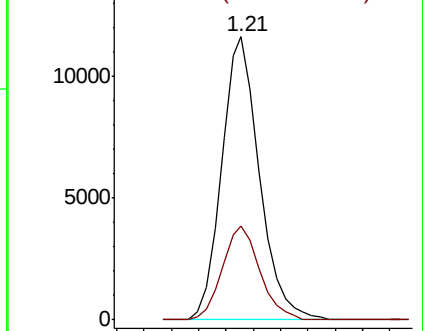
85 100

87 33.2 15.9 47.6

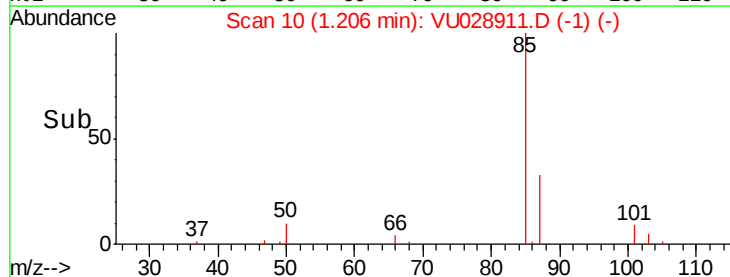


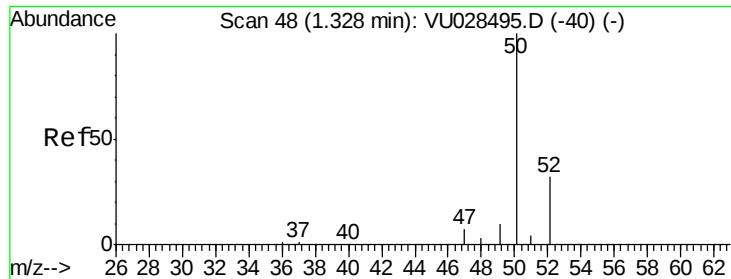
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)



Time-->





#3

Chloromethane

Concen: 8.194 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 50 Resp: 17994

Ion Ratio Lower Upper

50 100

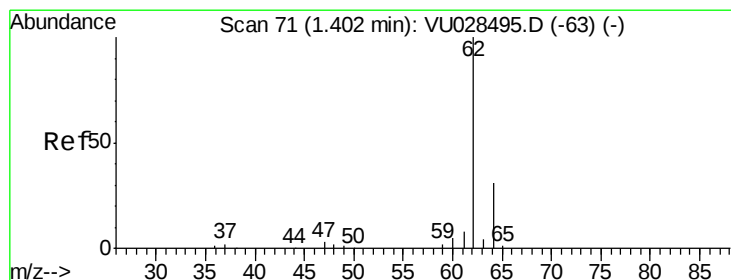
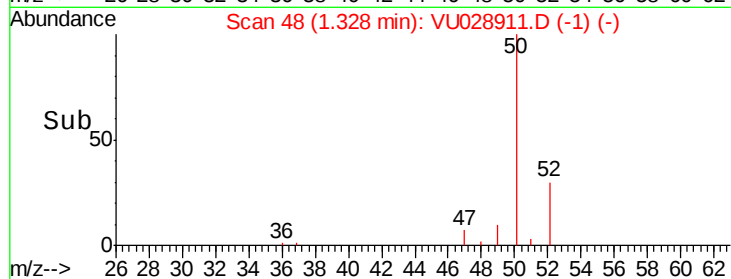
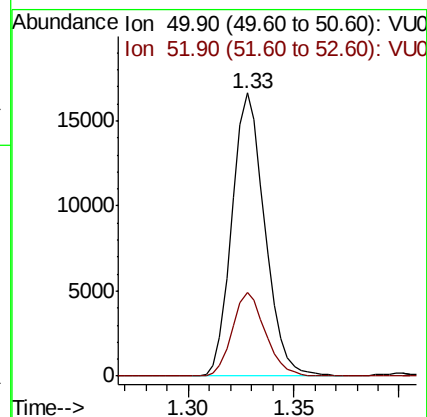
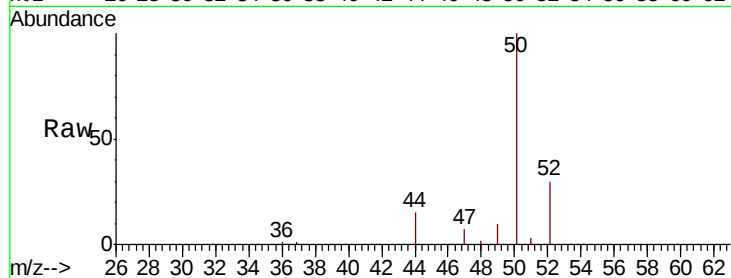
52 29.6 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.241 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028911.D

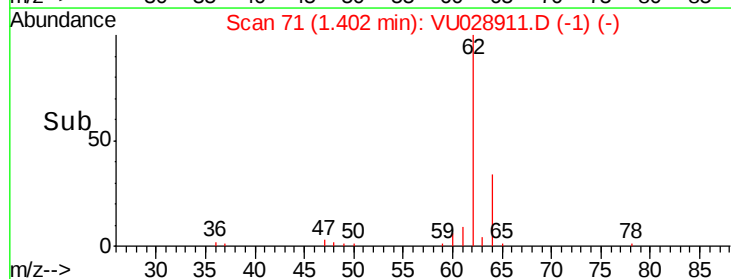
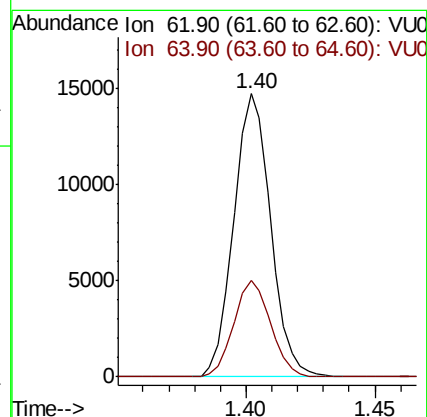
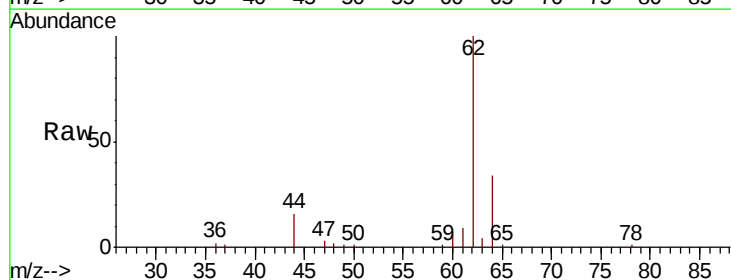
Acq: 22 Dec 2018 13:47

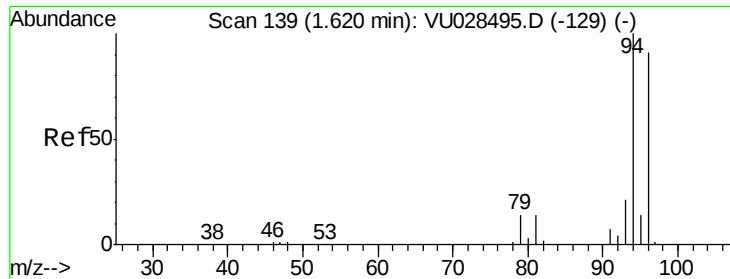
Tgt Ion: 62 Resp: 14644

Ion Ratio Lower Upper

62 100

64 33.9 25.1 37.7





#5

Bromomethane

Concen: 13.112 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 94 Resp: 8370

Ion Ratio Lower Upper

94 100

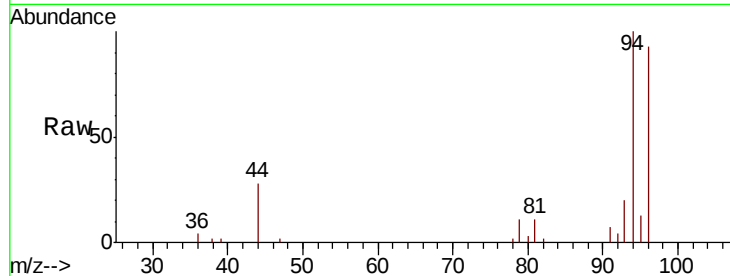
96 93.2 73.2 109.8

Manual Integrations

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12/24/2018 11:48:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

8000

6000

4000

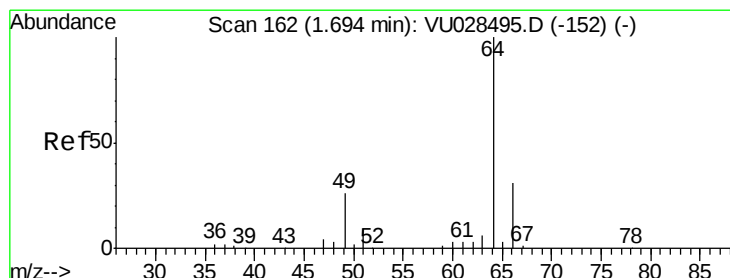
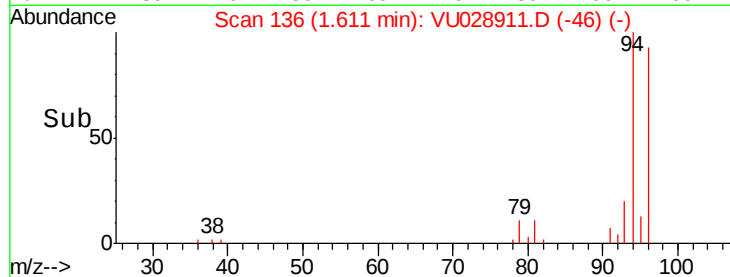
2000

0

1.55 1.60 1.65

Time-->

1.61



#6

Chloroethane

Concen: 9.429 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028911.D

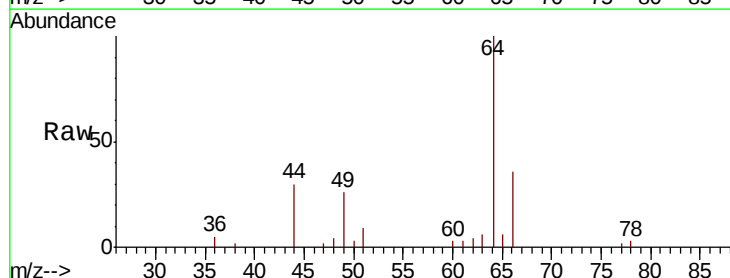
Acq: 22 Dec 2018 13:47

Tgt Ion: 64 Resp: 8459

Ion Ratio Lower Upper

64 100

66 36.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

6000

4000

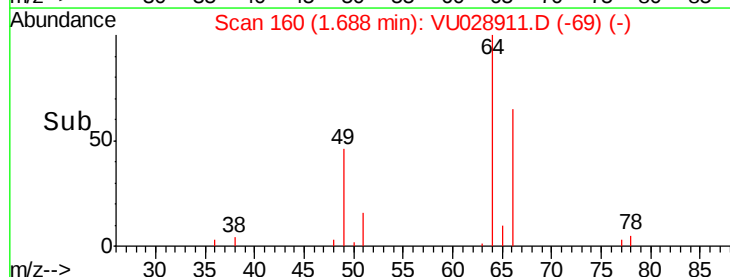
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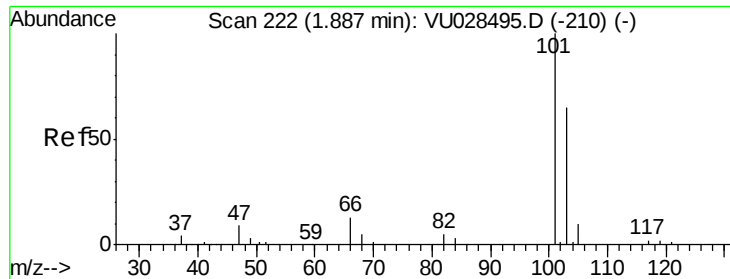
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1.65 1.70 1.75

Time-->

1.69





#7

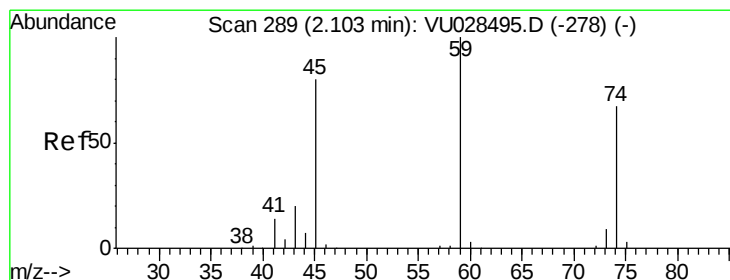
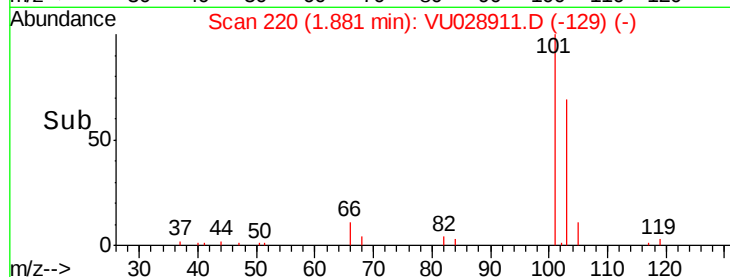
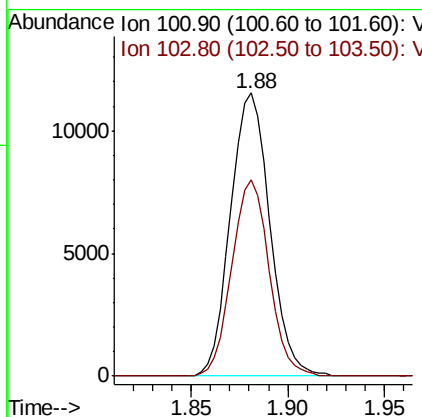
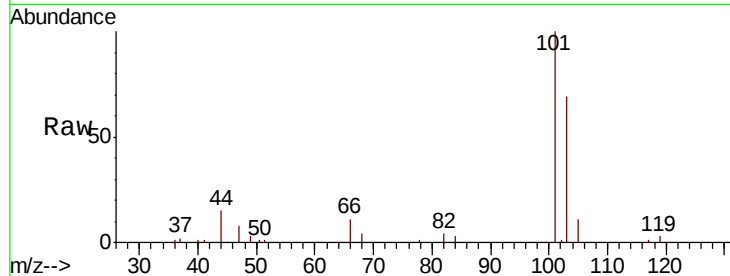
Trichlorofluoromethane
 Concen: 9.800 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
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 ClientSampleId :
 VU1222MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	52.3	78.5

Manual Integrations
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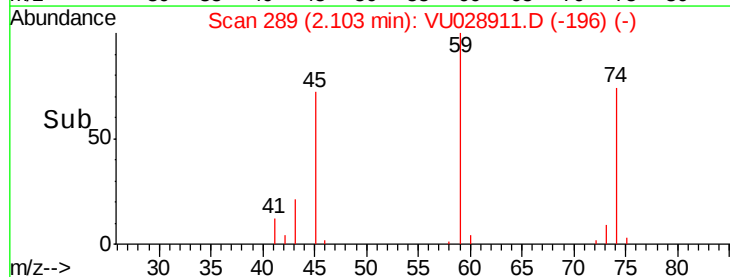
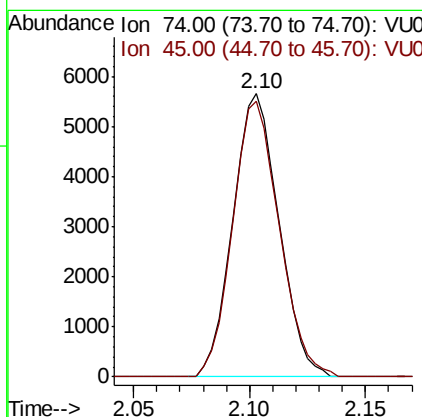
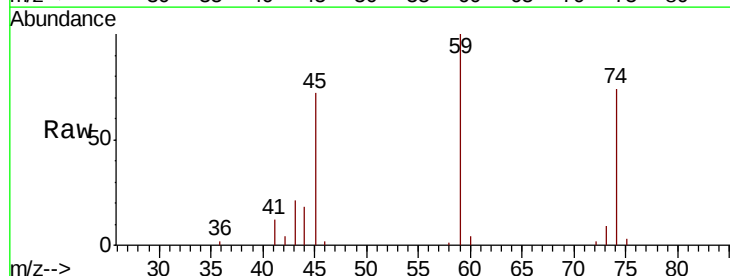
MMDadoda
 12/24/2018 11:48:44 AM

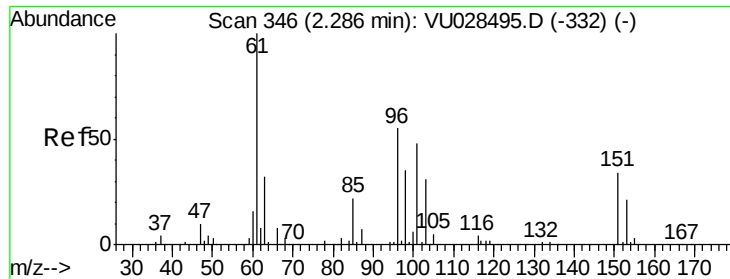


#8

Diethyl Ether
 Concen: 9.972 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.623 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

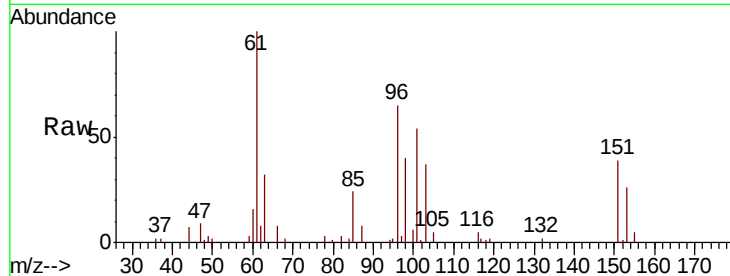
ClientSampleId :

VU1222MBS01

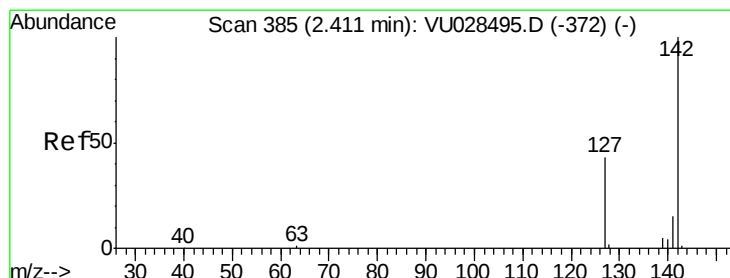
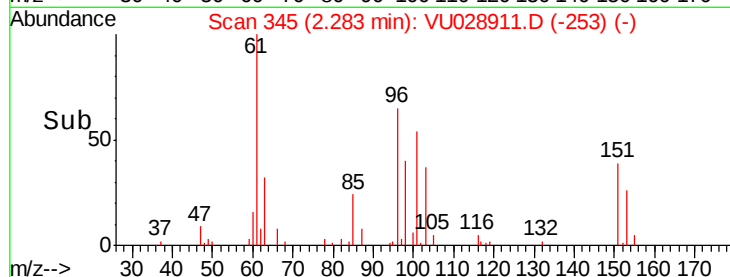
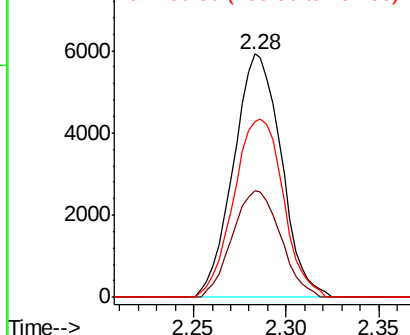
Tot Ion:	101	Resp:	10593
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.4	54.6
151	76.2	58.2	87.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.259 ug/l

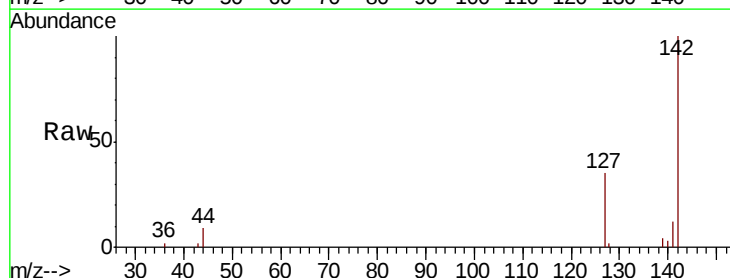
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

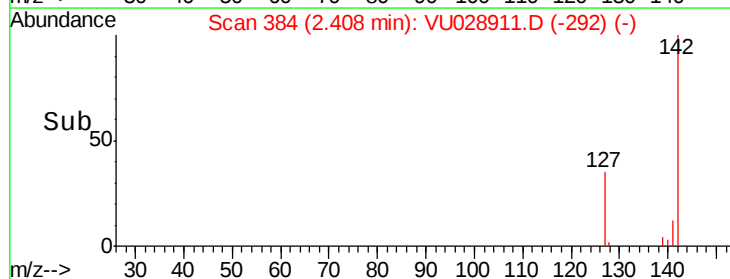
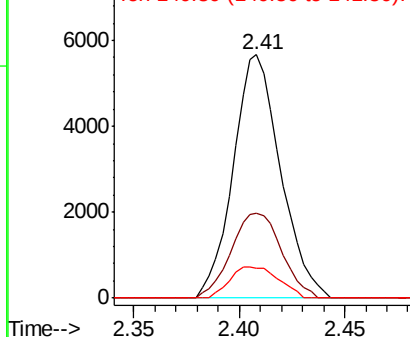
Lab File: VU028911.D

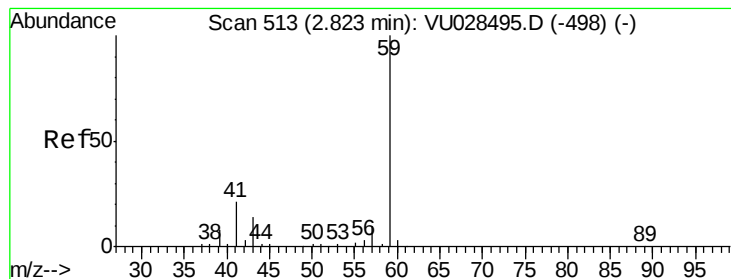
Acq: 22 Dec 2018 13:47

Tgt Ion:	142	Resp:	8809
Ion Ratio	Lower	Upper	
142	100		
127	37.1	33.5	50.3
141	13.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

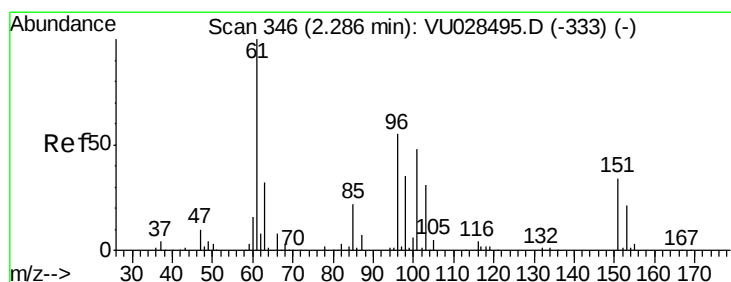
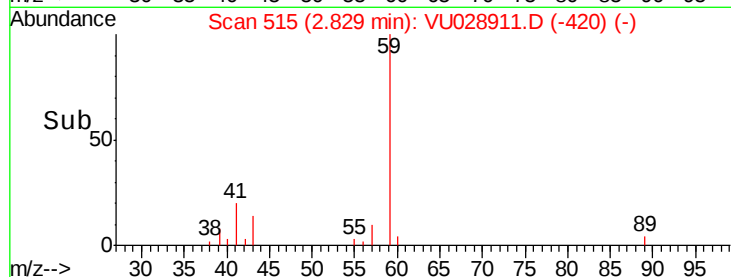
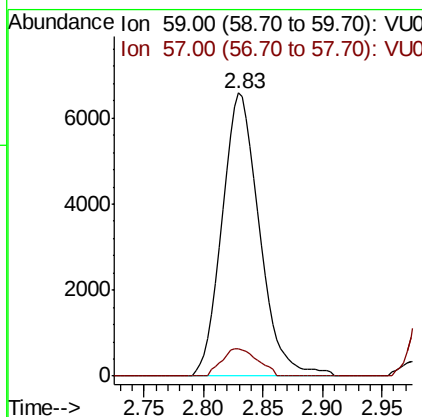
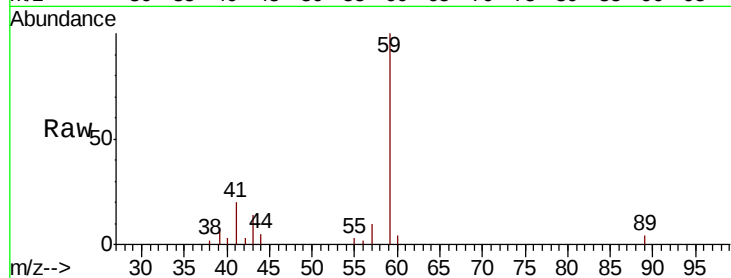
Tert butyl alcohol
 Concen: 47.310 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.0	12.0

Manual Integrations
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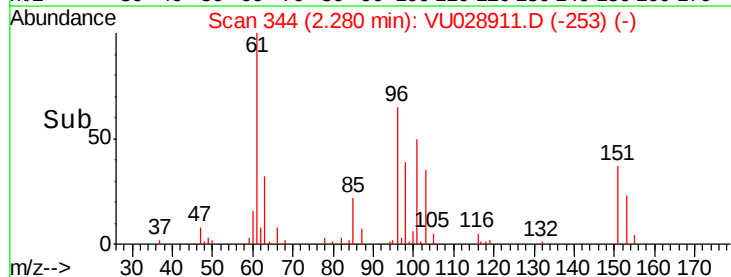
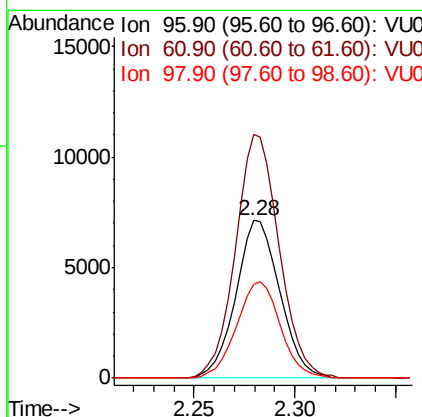
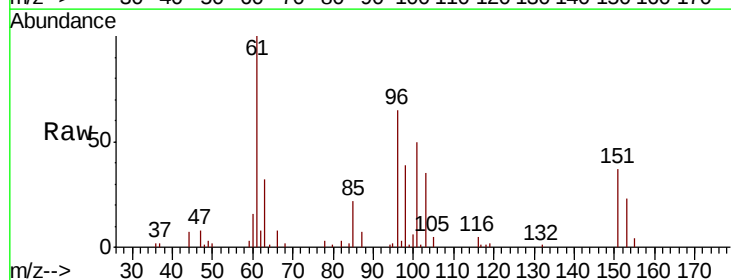
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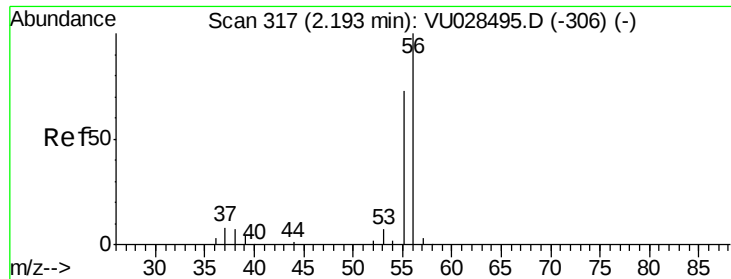


#12

1,1-Dichloroethene
 Concen: 10.975 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	146.4	219.6
98	59.8	51.8	77.8





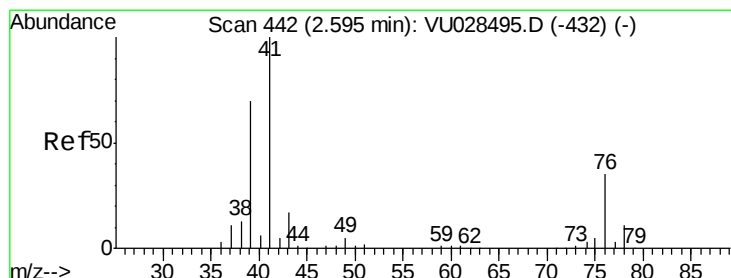
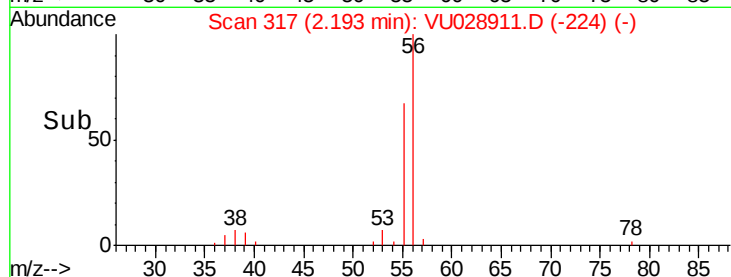
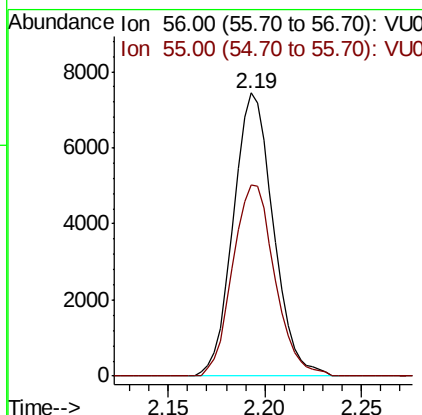
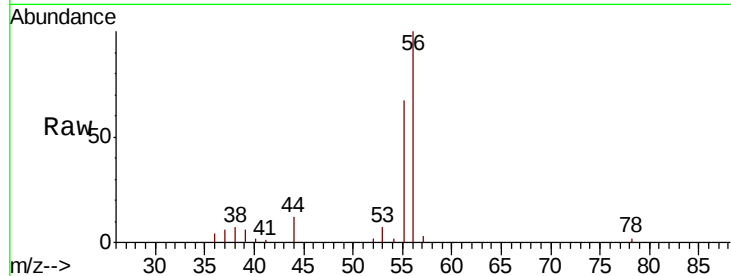
#13
Acrolein
Concen: 44.396 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion: 56 Resp: 10723
Ion Ratio Lower Upper
56 100
55 70.9 57.5 86.3

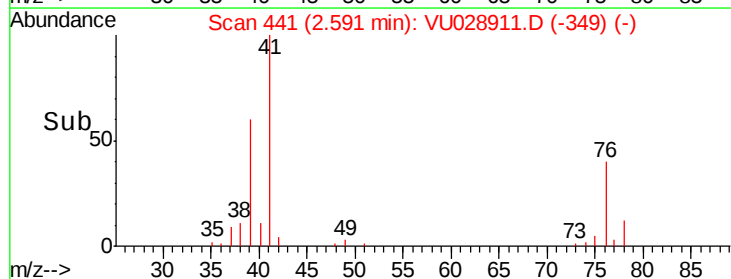
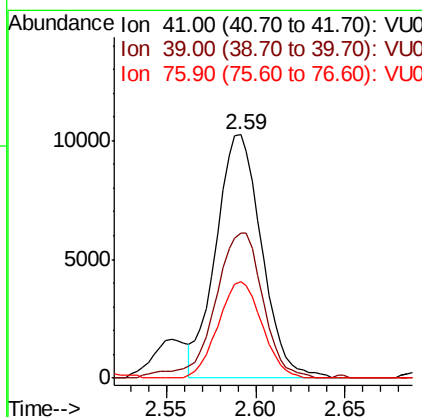
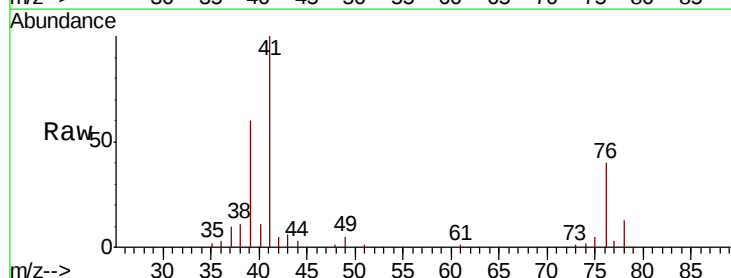
Manual Integrations
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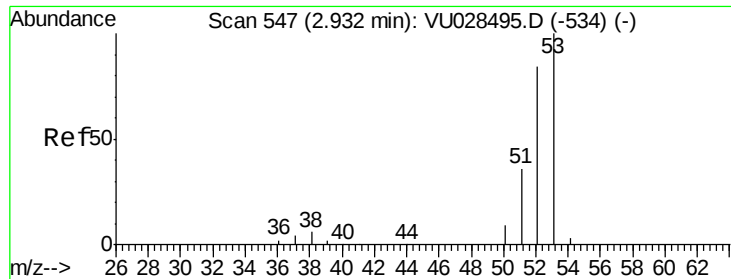
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#14
Allyl chloride
Concen: 7.765 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion: 41 Resp: 18226
Ion Ratio Lower Upper
41 100
39 62.5 50.8 76.2
76 38.0 24.8 37.2#





#15

Acrylonitrile

Concen: 45.059 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

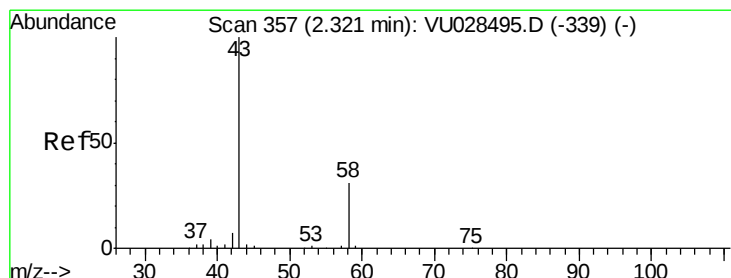
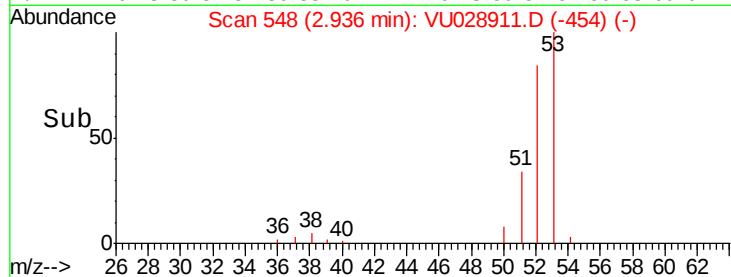
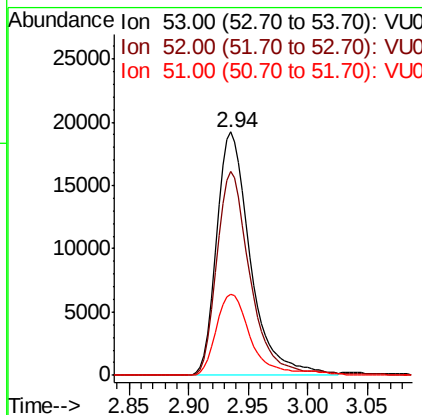
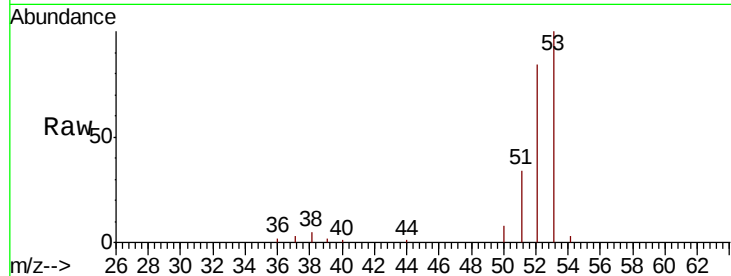
ClientSampleId :

VU1222MBS01

Tot Ion:	53	Resp:	37902
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.1	99.1
51	34.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 41.145 ug/l

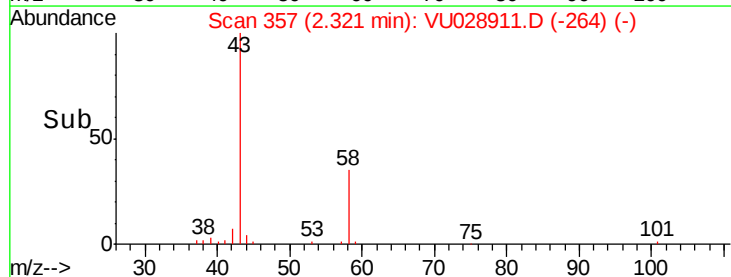
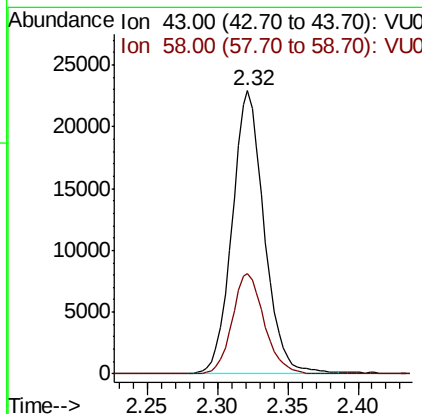
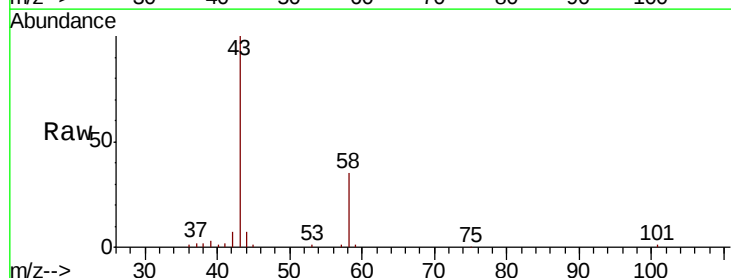
RT: 2.32 min Scan# 357

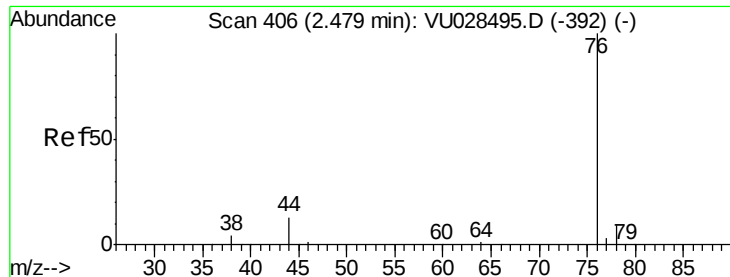
Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Tgt Ion:	43	Resp:	36512
Ion	Ratio	Lower	Upper
43	100		
58	35.4	24.6	37.0





#17

Carbon Disulfide

Concen: 9.763 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 76 Resp: 34896

Ion Ratio Lower Upper

76 100

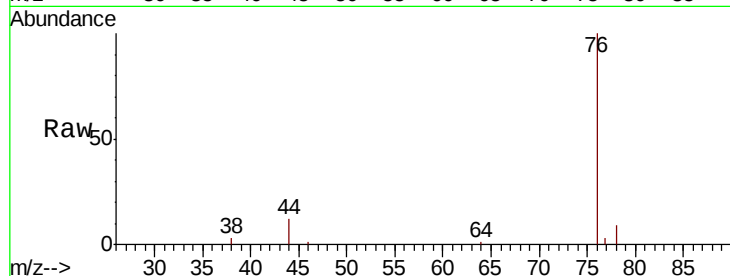
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-392) (-)

2.48

25000

20000

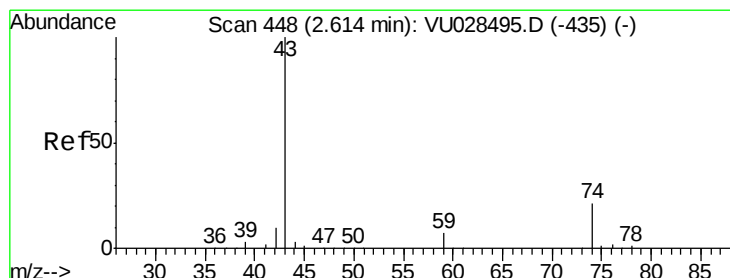
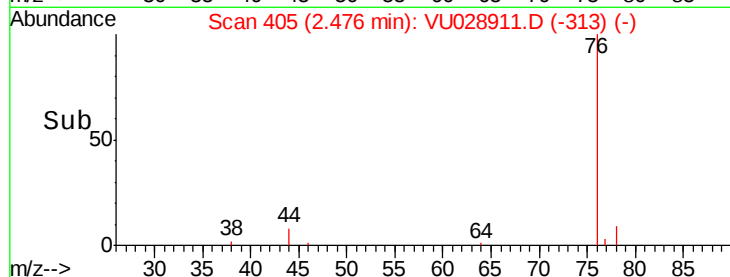
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 9.158 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028911.D

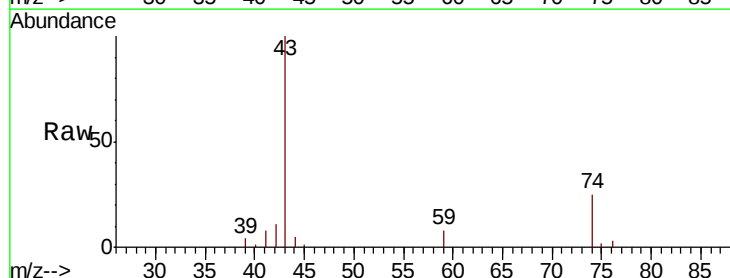
Acq: 22 Dec 2018 13:47

Tgt Ion: 43 Resp: 21066

Ion Ratio Lower Upper

43 100

74 22.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028495.D (-435) (-)

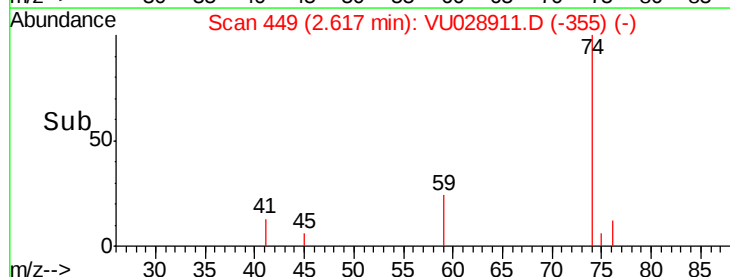
2.62

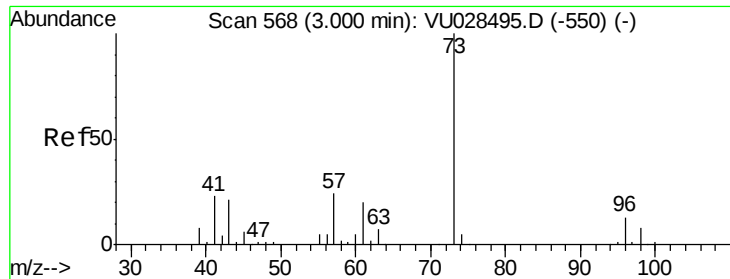
10000

5000

0

Time-->





#19

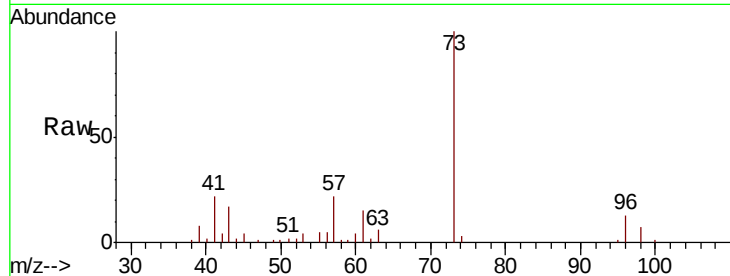
Methyl tert-butyl Ether
 Concen: 9.536 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

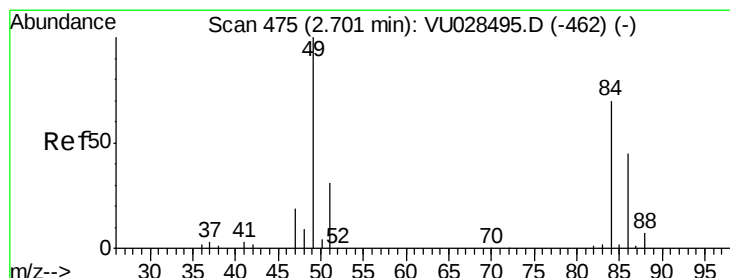
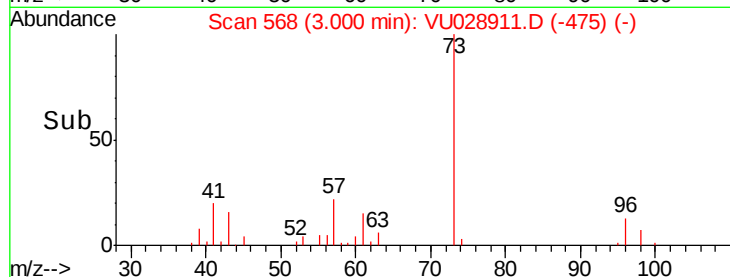
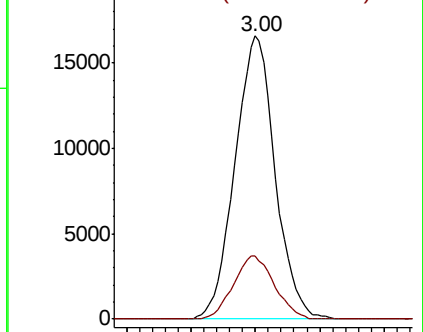
Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	19.4	29.2

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Abundance Ion 73.00 (72.70 to 73.70): VU028911.D (-475) (-)

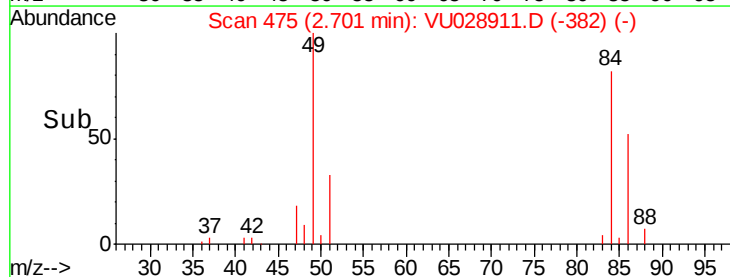
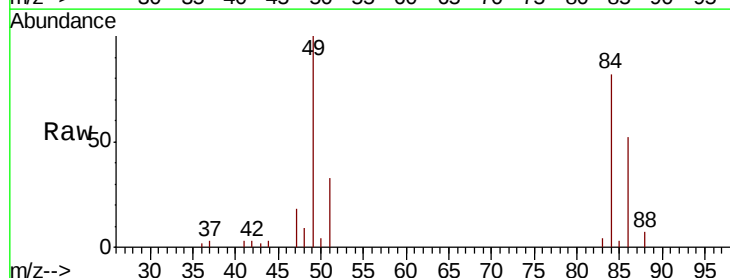
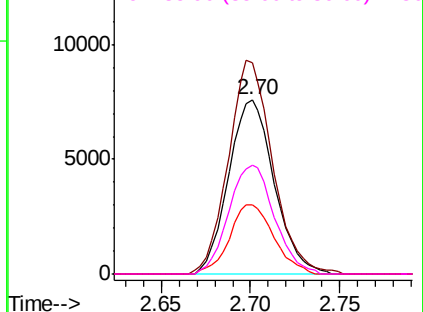


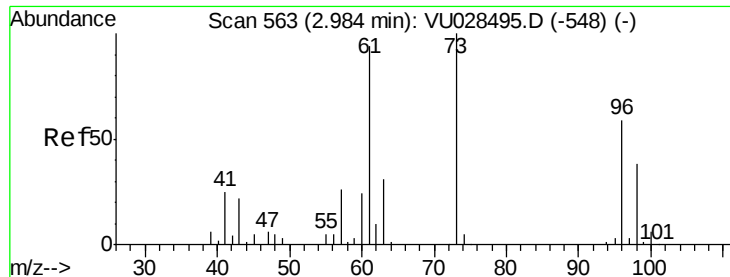
#20

Methylene Chloride
 Concen: 10.337 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	114.0	171.0
51	39.7	35.1	52.7
86	62.8	51.0	76.6

Abundance Ion 83.90 (83.60 to 84.60): VU028911.D (-382) (-)





#21

trans-1,2-Dichloroethene

Concen: 10.266 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 96 Resp: 11468

Ion Ratio Lower Upper

96 100

61 136.9 127.0 190.4

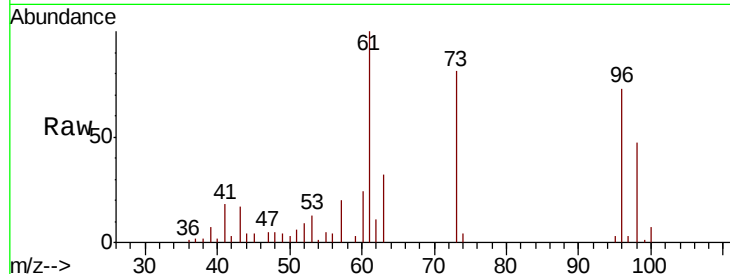
98 64.2 51.9 77.9

Manual Integrations

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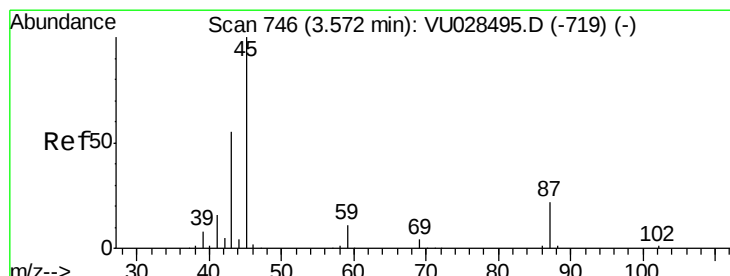
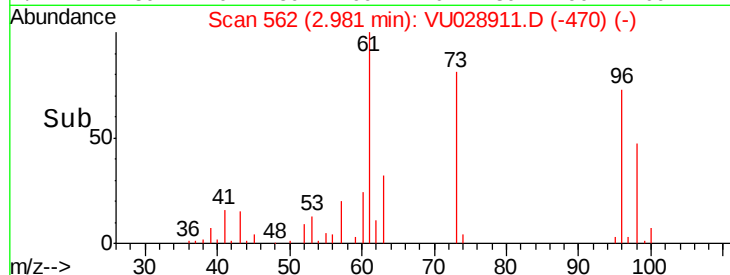
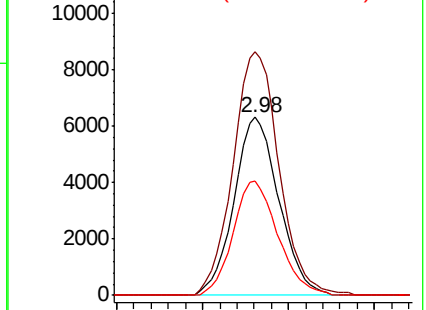


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 8.407 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Tgt Ion: 45 Resp: 38373

Ion Ratio Lower Upper

45 100

43 58.7 45.3 67.9

87 26.5 17.6 26.4#

59 12.1 8.8 13.2

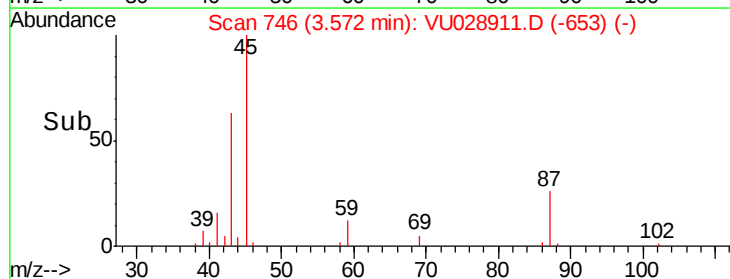
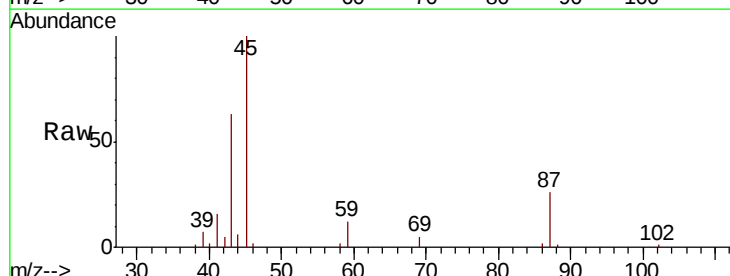
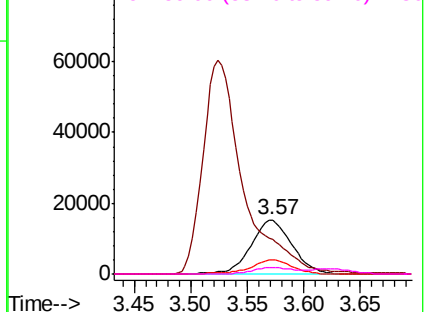
Abundance

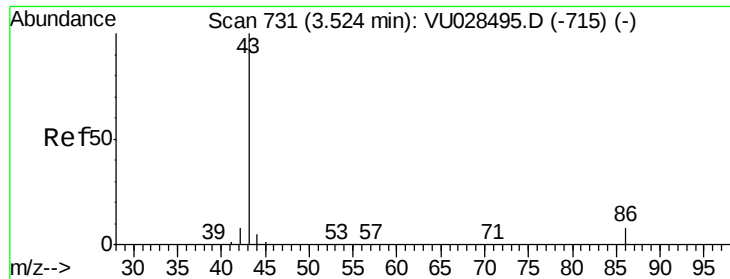
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 39.953 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 43 Resp: 150417

Ion Ratio Lower Upper

43 100

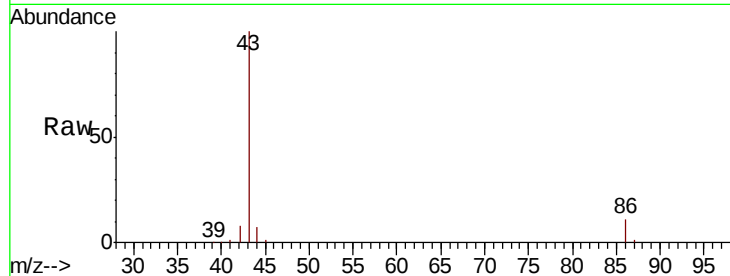
86 10.6 6.8 10.2#

Manual Integrations

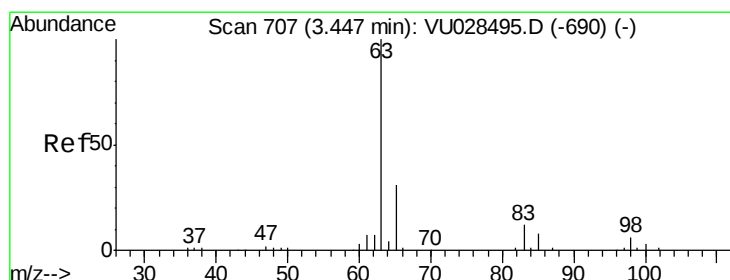
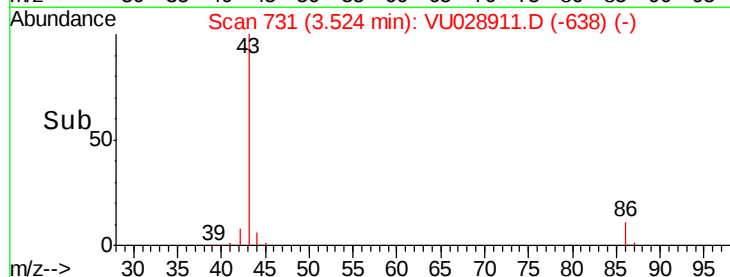
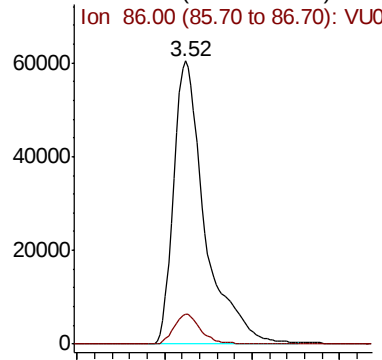
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Abundance Ion 43.00 (42.70 to 43.70): VU028911.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 9.367 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

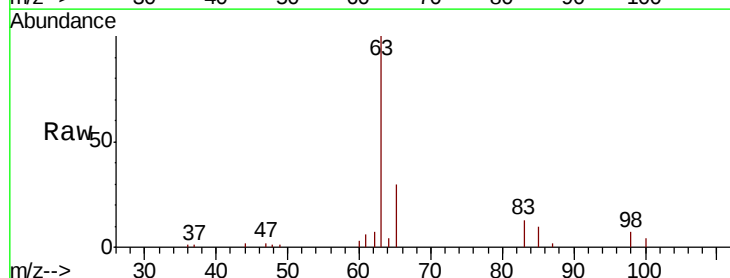
Tgt Ion: 63 Resp: 22379

Ion Ratio Lower Upper

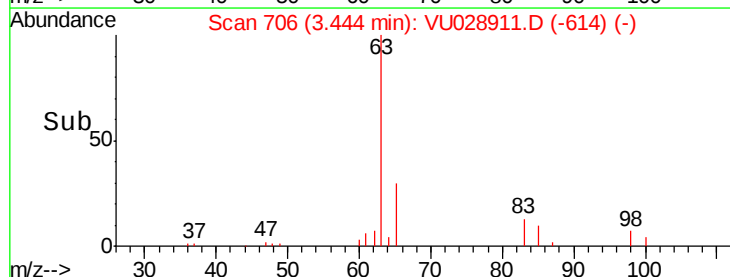
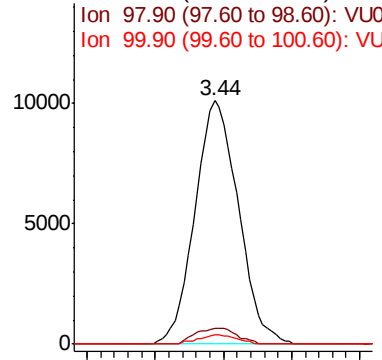
63 100

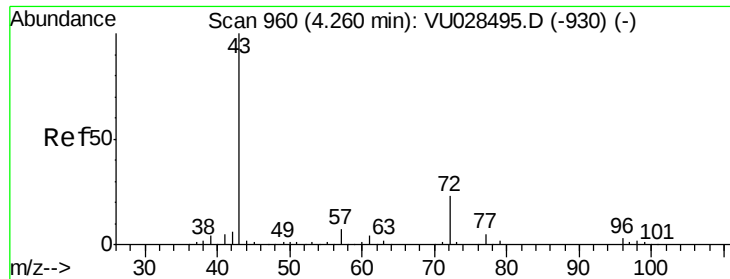
98 6.6 3.0 9.2

100 3.7 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028911.D (-614) (-)





#25

2-Butanone

Concen: 40.718 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 43 Resp: 49379

Ion Ratio Lower Upper

43 100

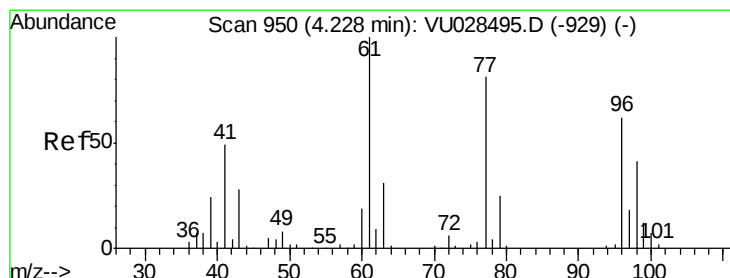
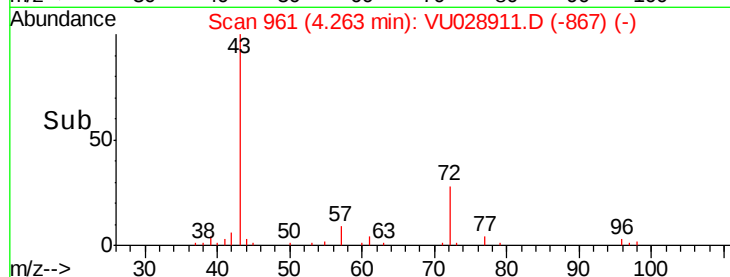
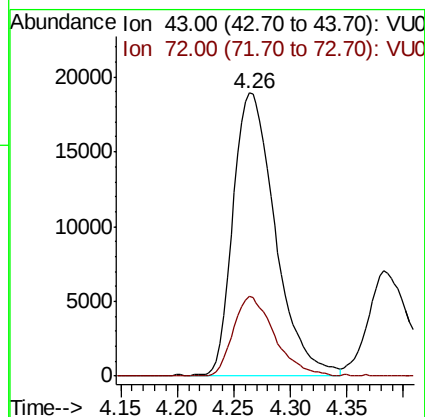
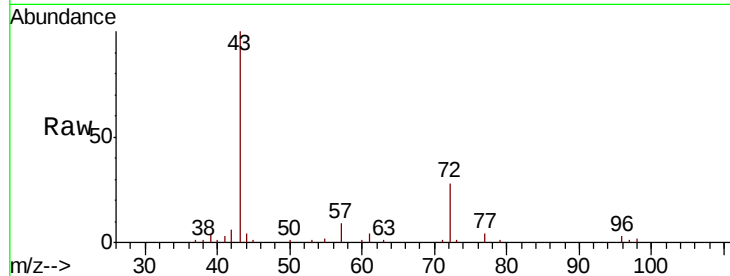
72 28.3 18.6 28.0#

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#26

2,2-Dichloropropane

Concen: 9.157 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028911.D

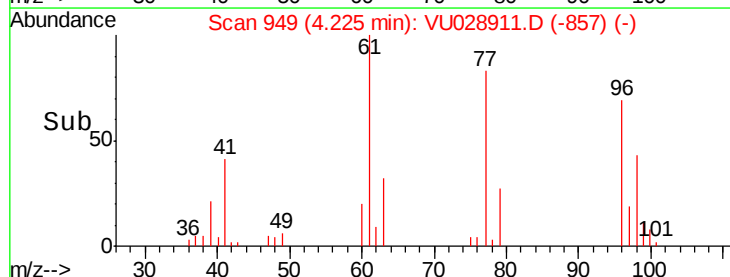
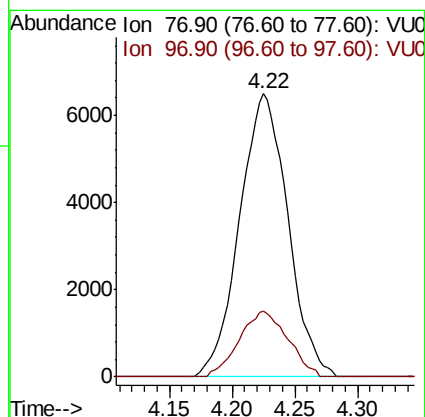
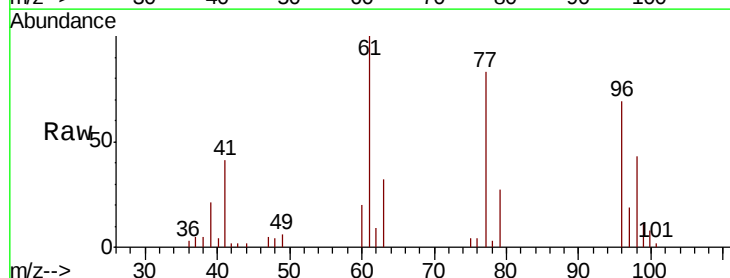
Acq: 22 Dec 2018 13:47

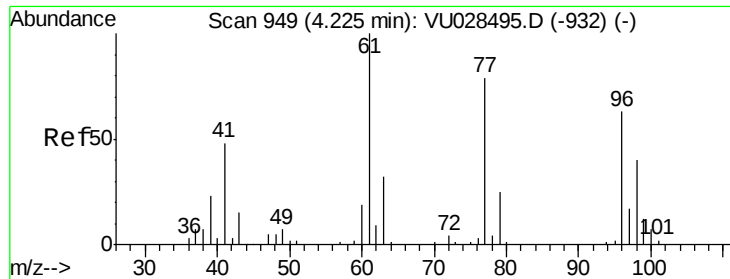
Tgt Ion: 77 Resp: 17336

Ion Ratio Lower Upper

77 100

97 23.3 11.0 33.0





#27

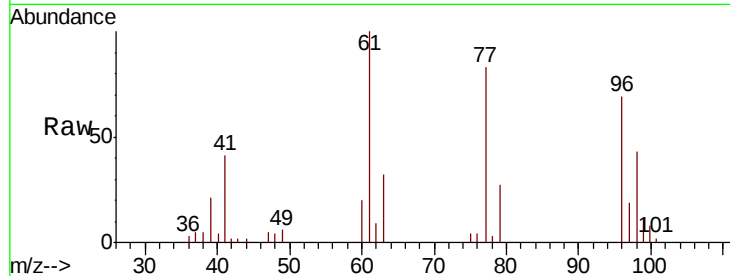
cis-1,2-Dichloroethene
Concen: 10.145 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	332.4
98	64.8	0.0	129.0

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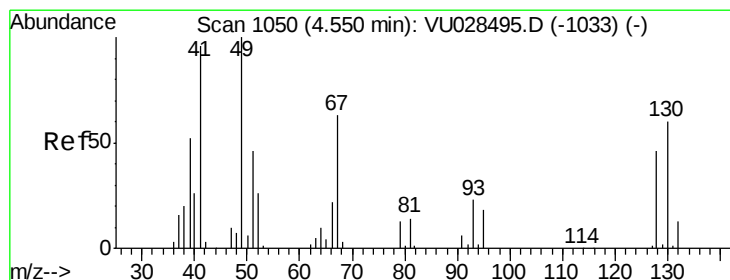
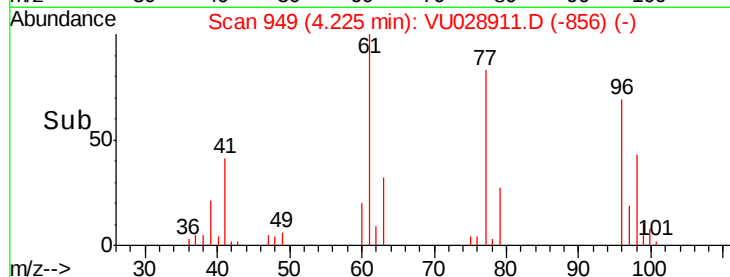
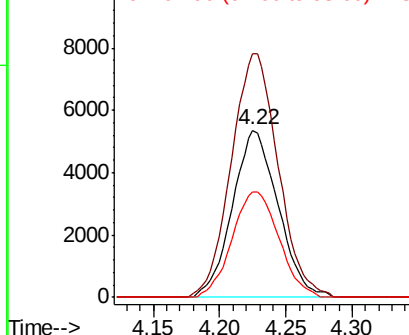


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

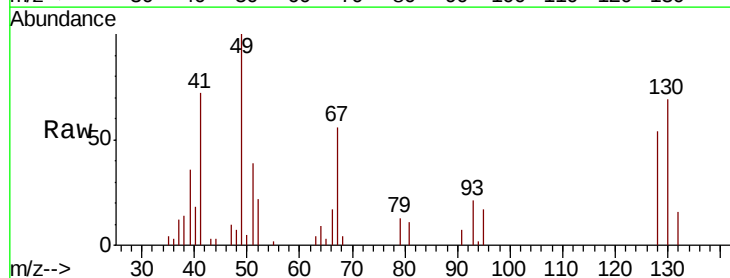
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 10.887 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.0
130	71.2	47.8	71.8

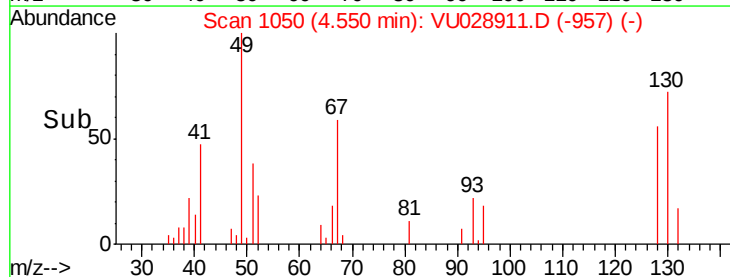
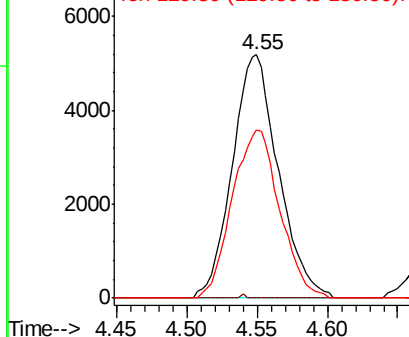


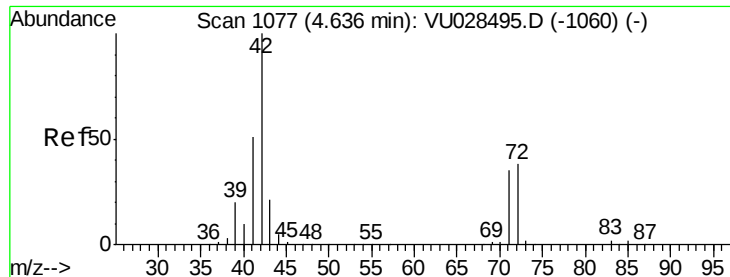
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





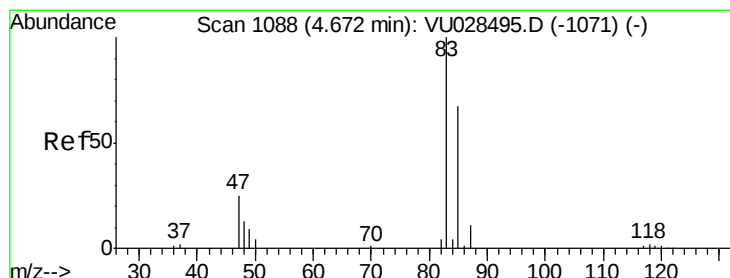
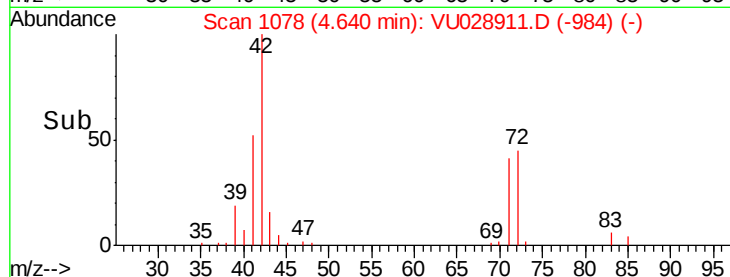
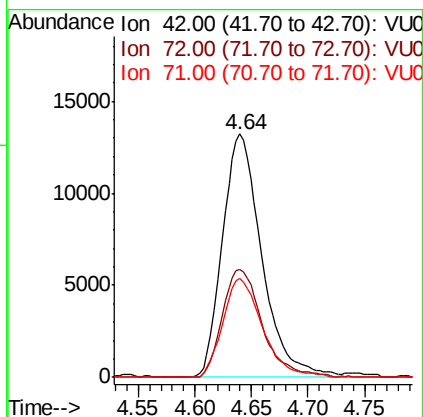
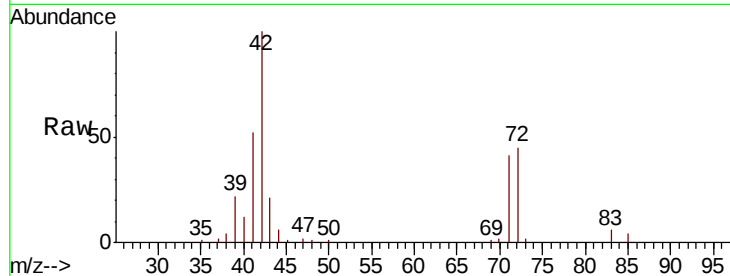
#29
Tetrahydrofuran
Concen: 41.018 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	31.4	47.0
71	41.1	28.6	43.0

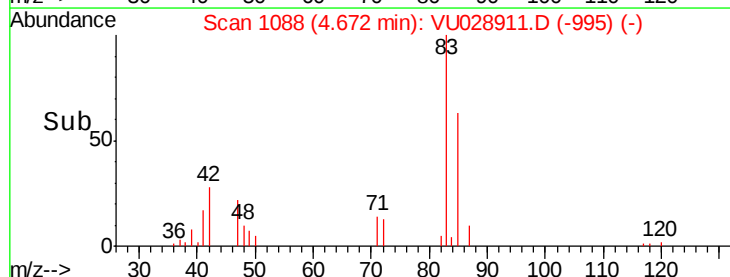
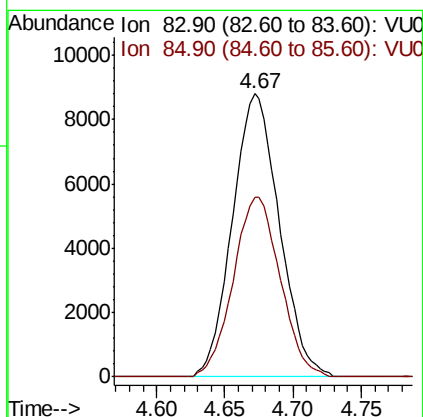
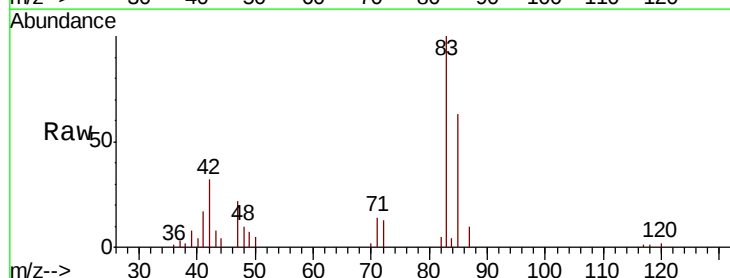
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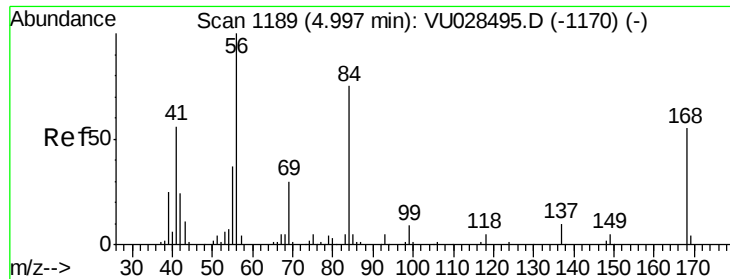
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#30
Chloroform
Concen: 10.070 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.6	80.4





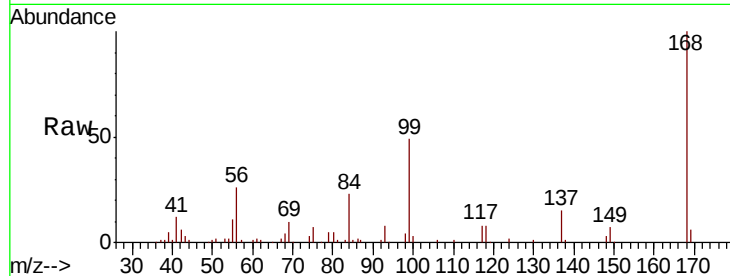
#31
Cyclohexane
Concen: 8.346 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

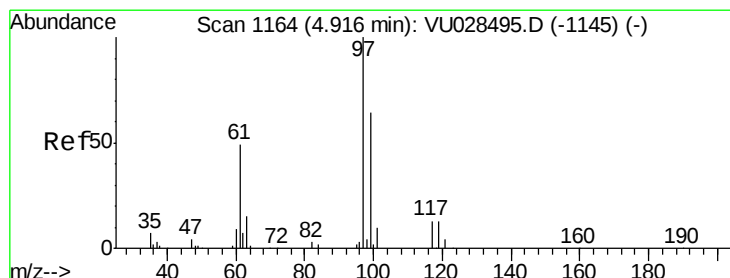
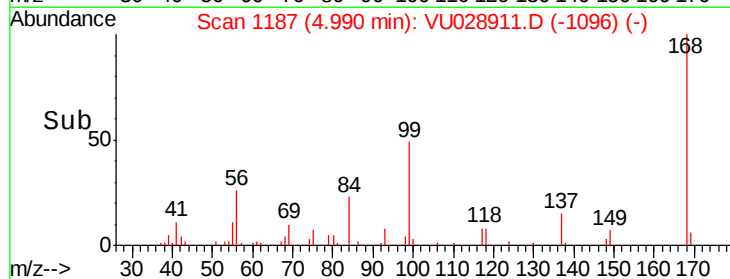
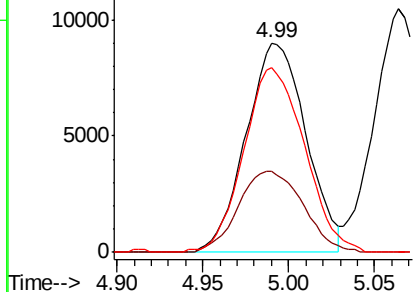
Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	24.0	36.0#
84	87.2	59.7	89.5

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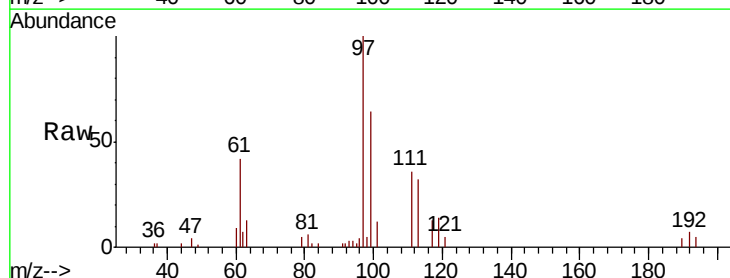


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

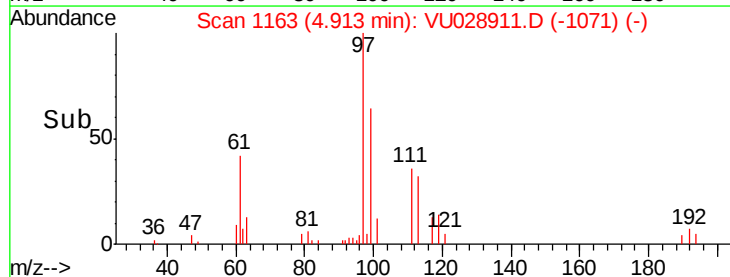
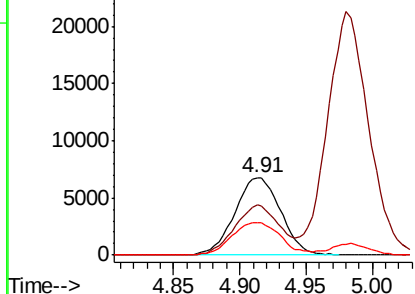


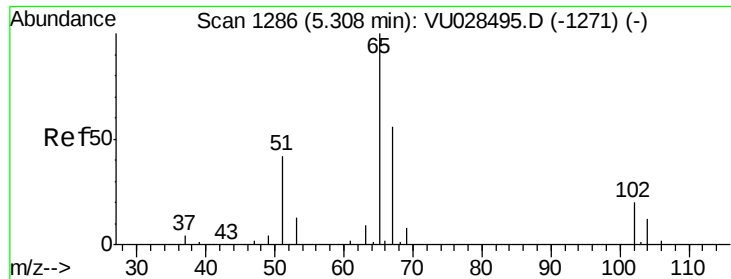
#32
1,1,1-Trichloroethane
Concen: 9.416 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.3	78.5
61	44.8	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





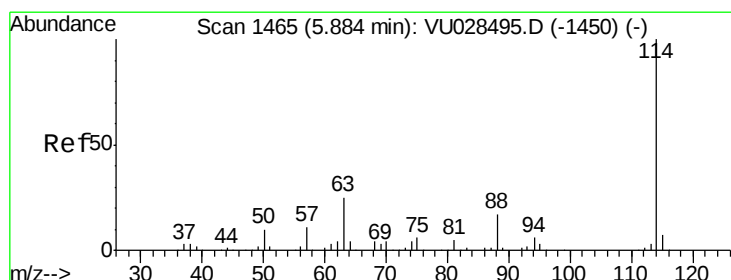
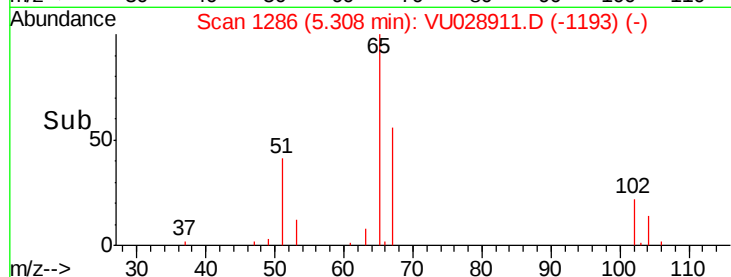
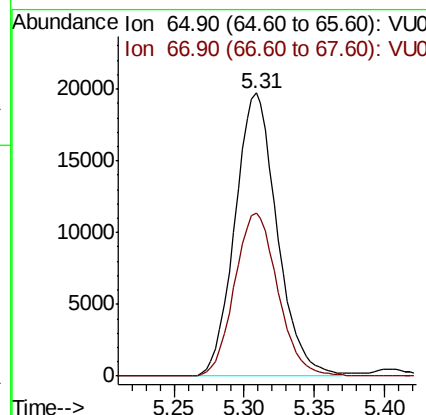
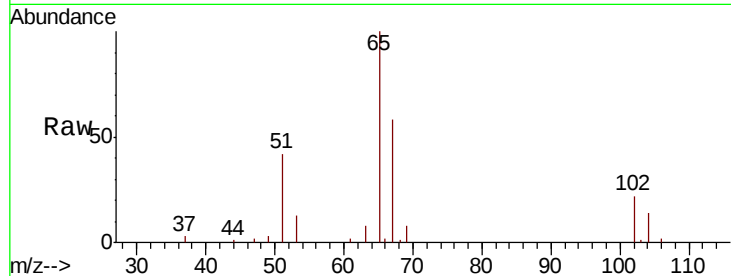
#33
 1,2-Dichloroethane-d4
 Concen: 30.326 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	59.0	0.0	110.6

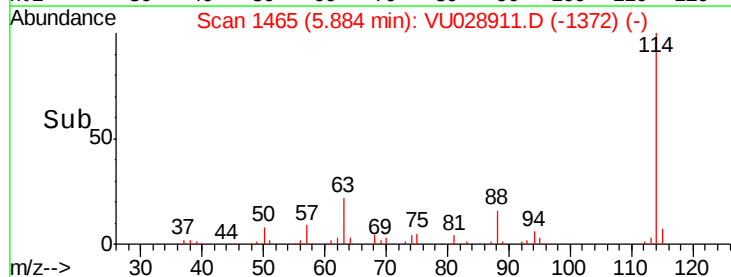
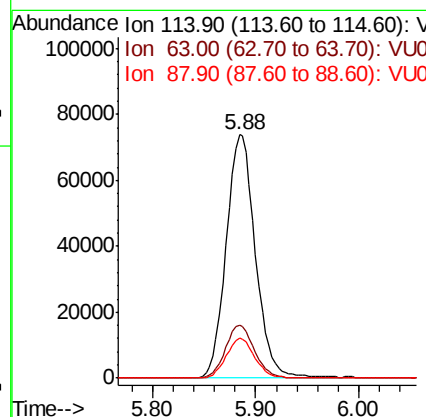
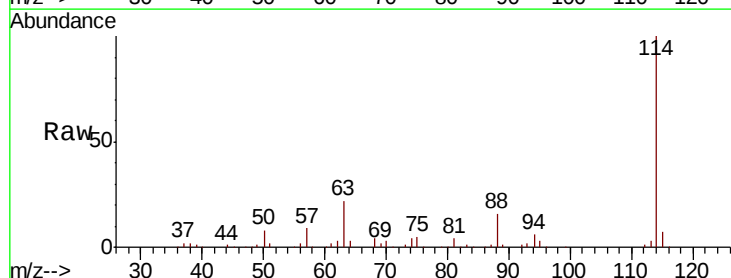
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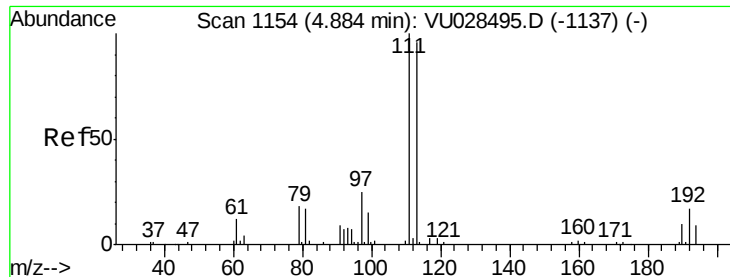
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 12/24/2018 11:48:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	49.2
88	16.4	0.0	33.4





#35

Dibromofluoromethane

Concen: 38.759 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion:113 Resp: 35489

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

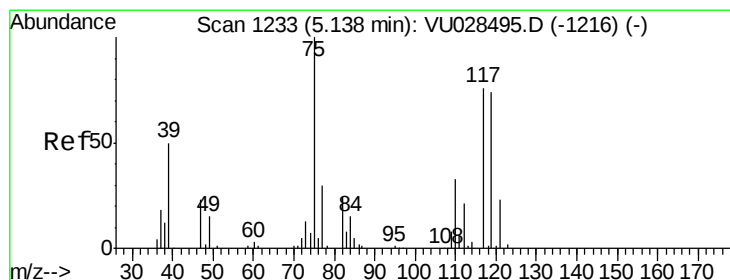
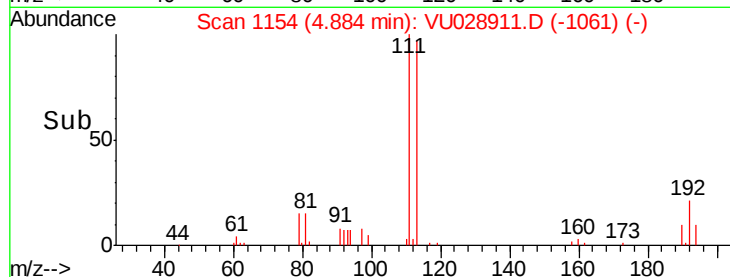
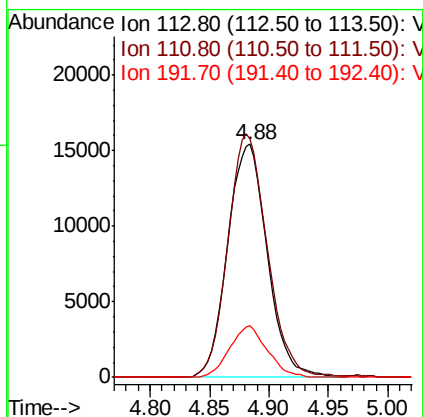
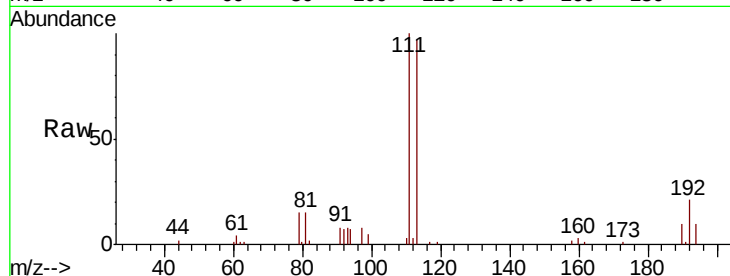
192 20.9 14.8 22.2

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#36

1,1-Dichloropropene

Concen: 9.752 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

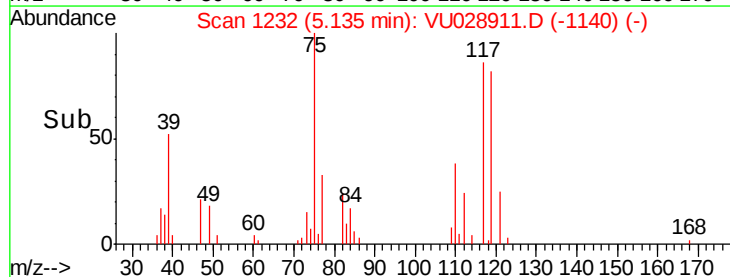
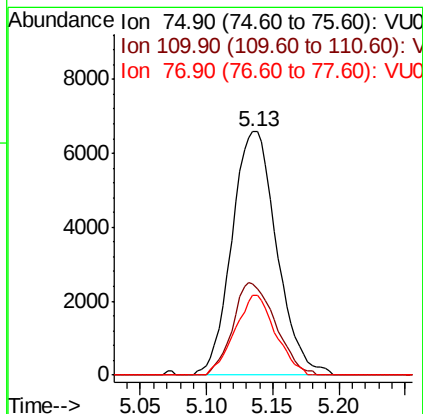
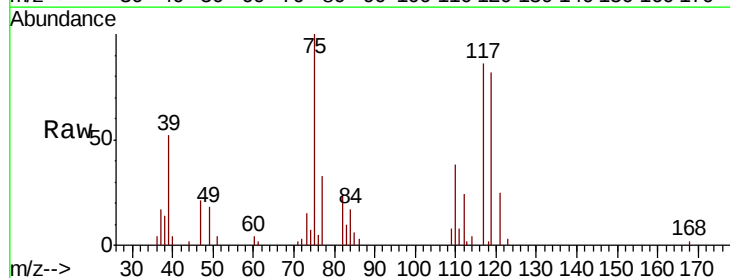
Tgt Ion: 75 Resp: 15527

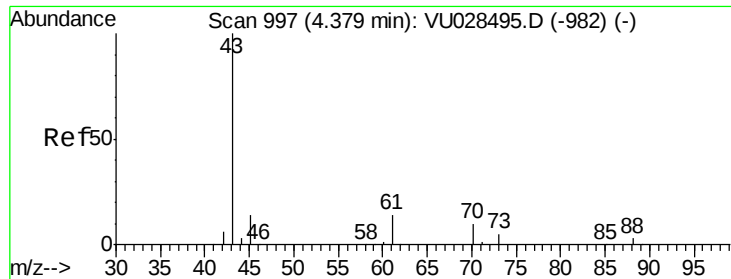
Ion Ratio Lower Upper

75 100

110 35.8 16.1 48.2

77 29.6 24.5 36.7





#37

Ethyl Acetate

Concen: 8.561 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

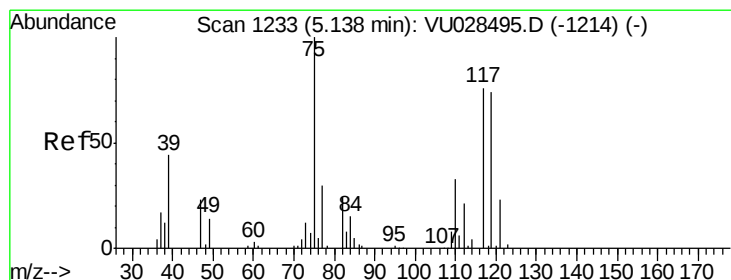
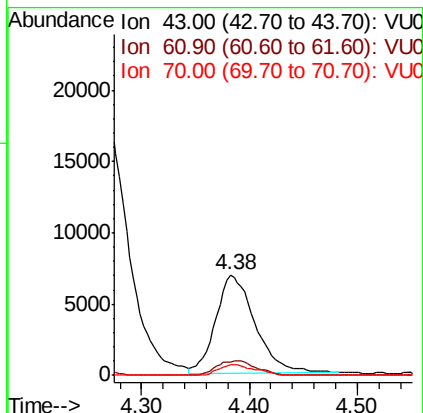
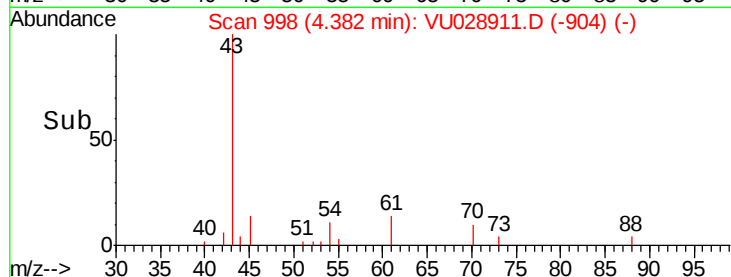
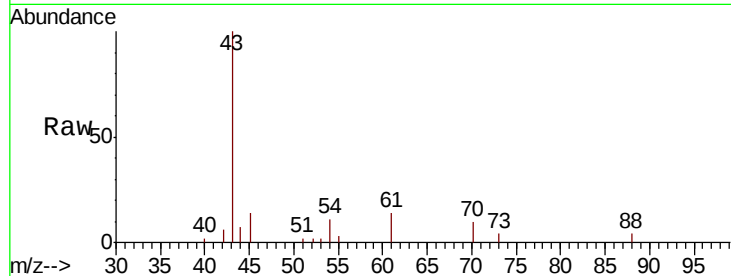
ClientSampleId :

VU1222MBS01

Tot Ion:	43	Resp:	17620
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	10.0	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 10.161 ug/l

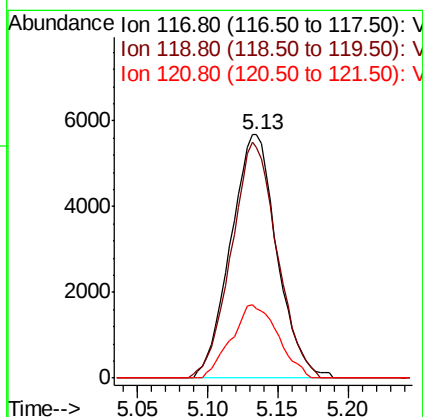
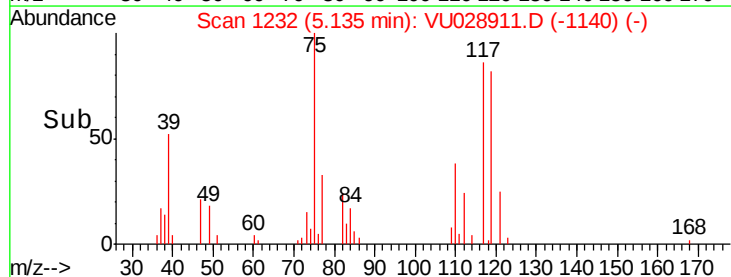
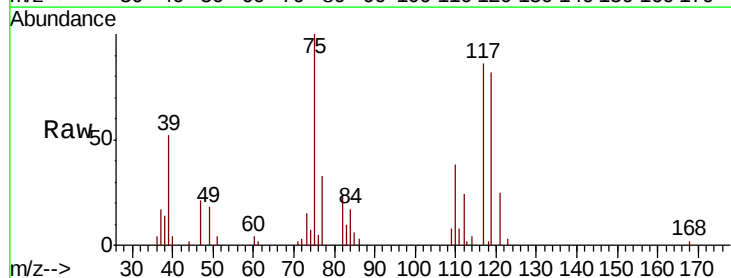
RT: 5.13 min Scan# 1232

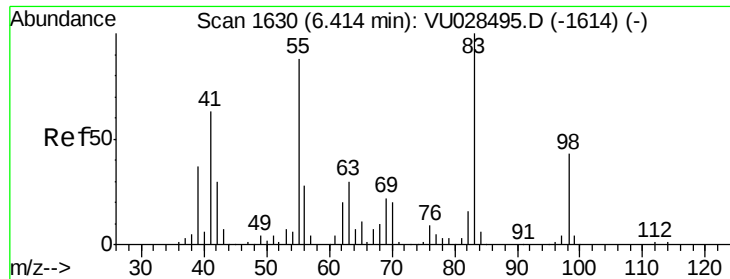
Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Tgt Ion:	117	Resp:	13039
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.6	116.4
121	28.8	24.6	36.8





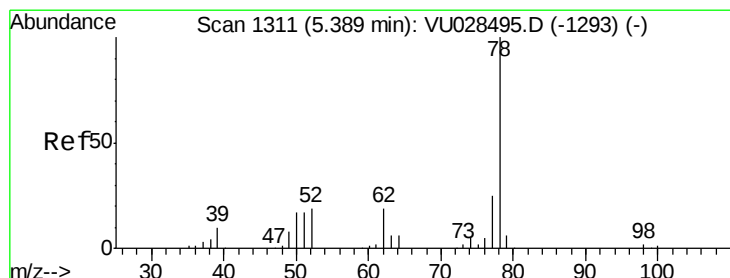
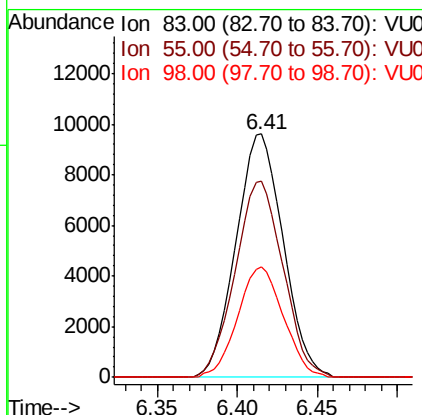
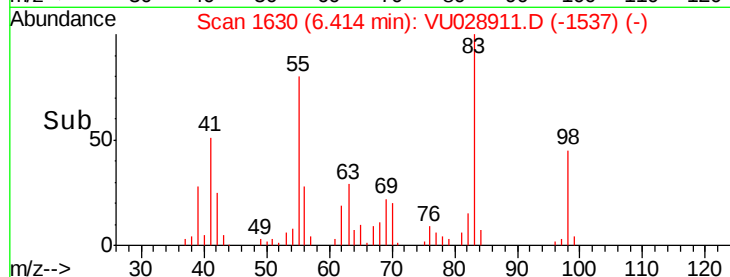
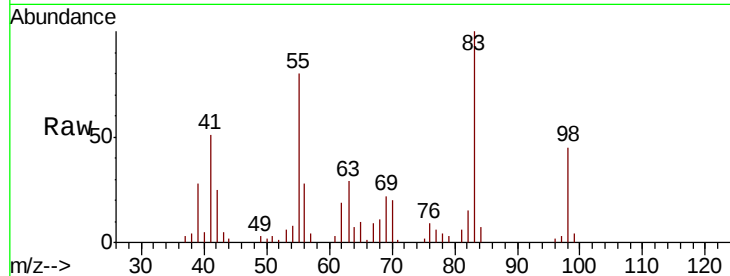
#39
Methvlcvclohexane
Concen: 9.973 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	83	Resp	19372
Ion Ratio	Lower	Upper	
83	100		
55	80.4	70.2	105.2
98	45.2	34.2	51.4

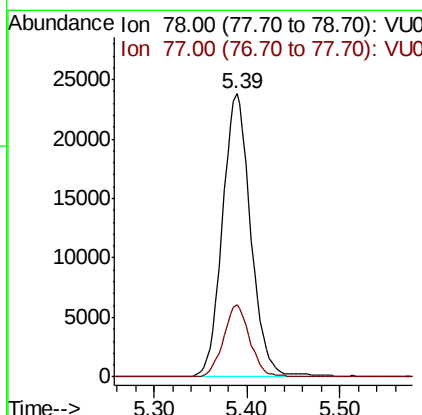
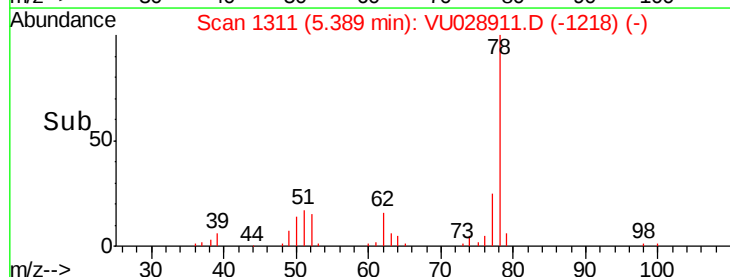
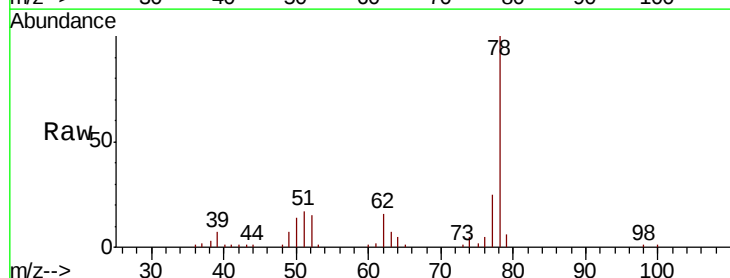
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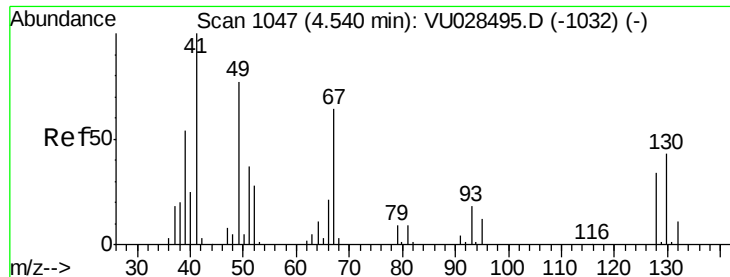
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#40
Benzene
Concen: 10.734 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	78	Resp	50335
Ion Ratio	Lower	Upper	
78	100		
77	25.4	19.9	29.9





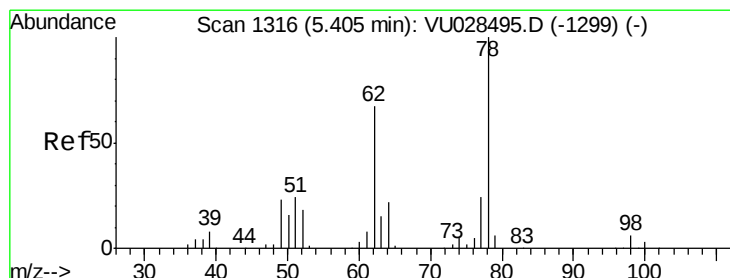
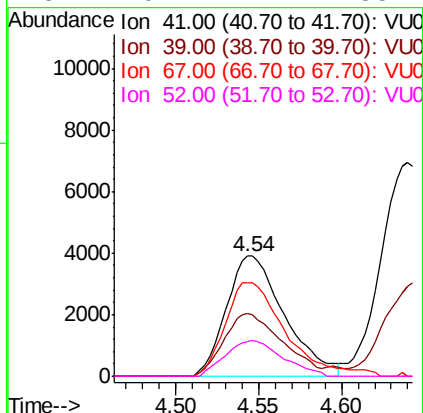
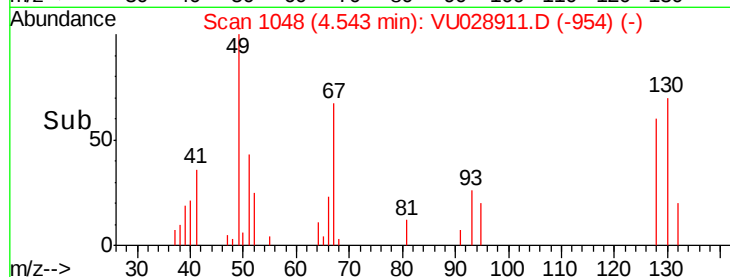
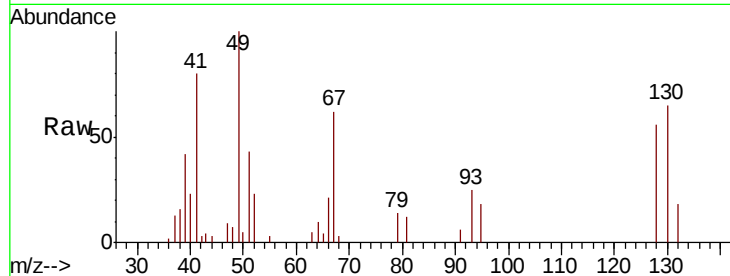
#41
Methacrylonitrile
Concen: 8.425 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.3	64.9
67	80.5	53.6	80.4
52	29.4	22.1	33.1

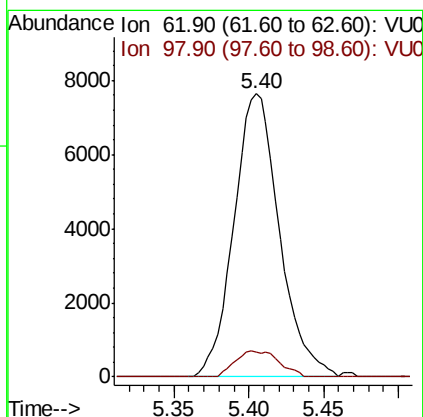
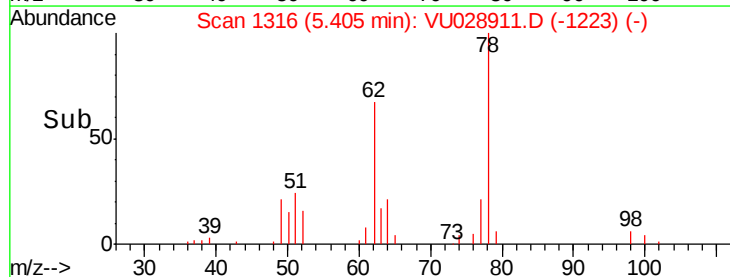
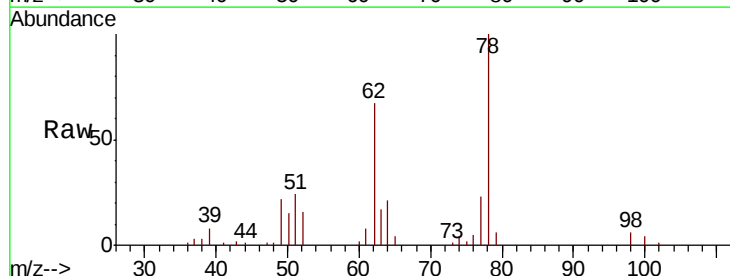
Manual Integrations
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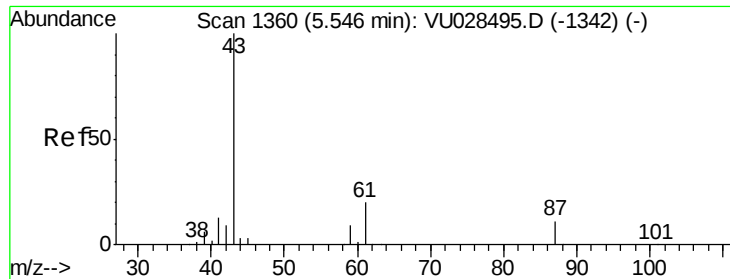
MMDadoda
12/24/2018 11:48:44 AM



#42
1,2-Dichloroethane
Concen: 9.869 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 8.288 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

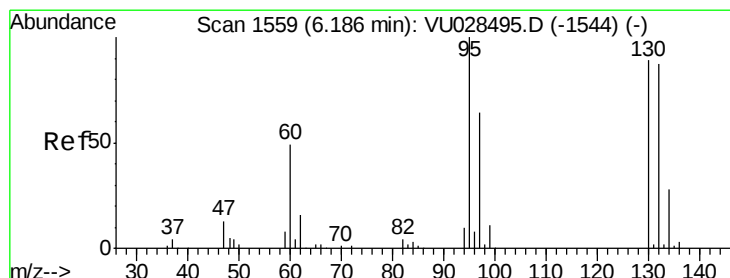
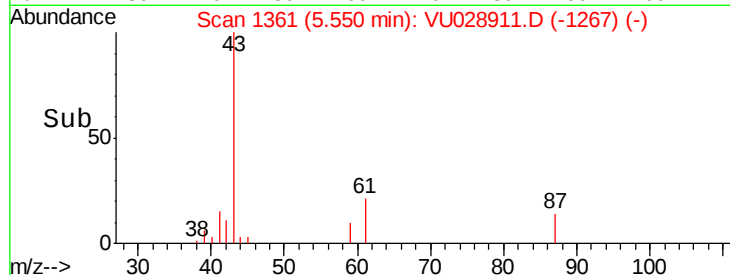
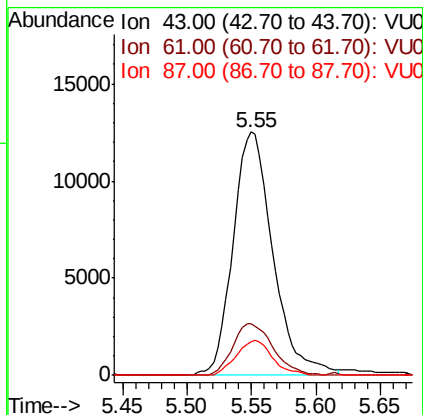
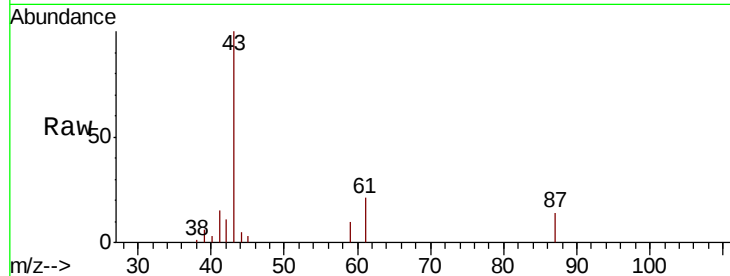
ClientSampleId :

VU1222MBS01

Tot Ion:	43	Resp:	26980
Ion	Ratio	Lower	Upper
43	100		
61	21.4	15.5	23.3
87	13.0	8.7	13.1

Manual Integrations
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MMDadoda
12/24/2018 11:48:44 AM



#44

Trichloroethene

Concen: 11.056 ug/l

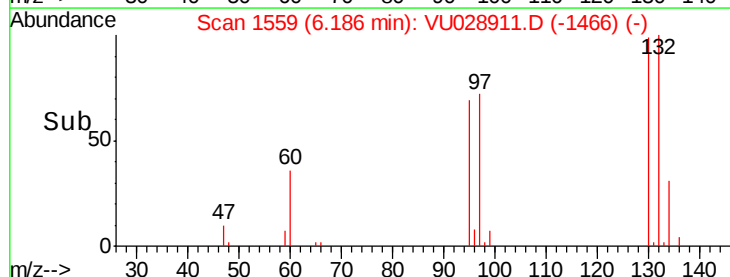
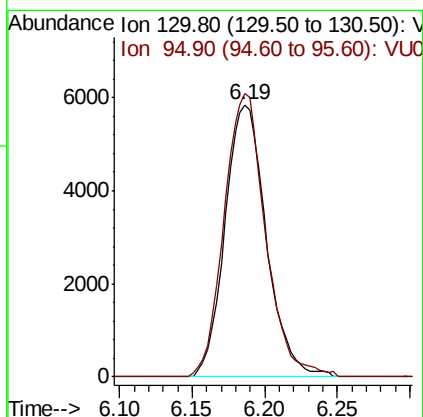
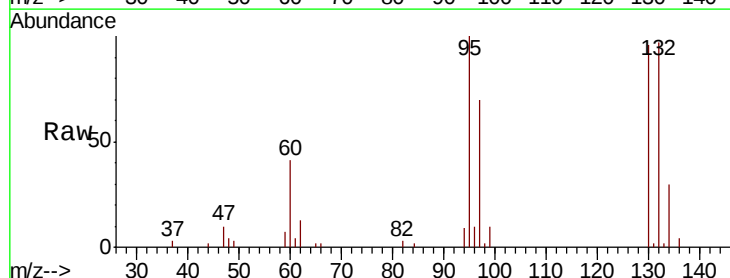
RT: 6.19 min Scan# 1559

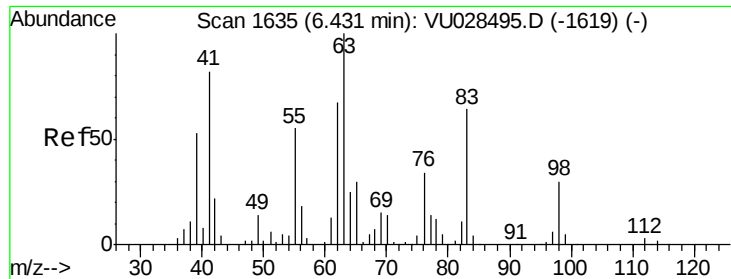
Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Tgt Ion:	130	Resp:	11528
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	224.0





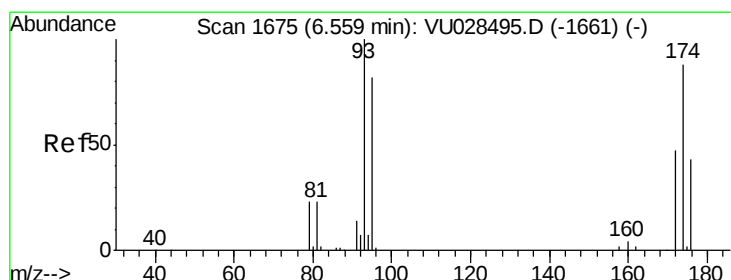
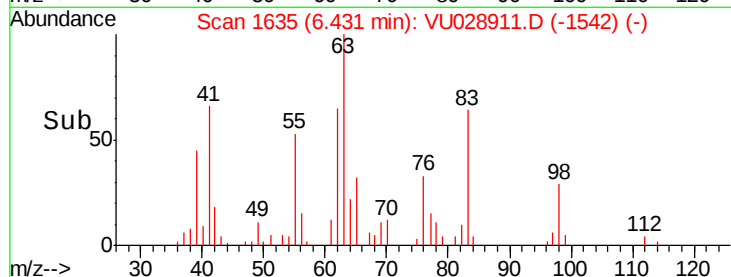
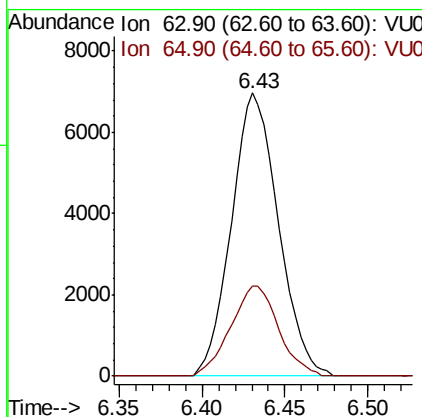
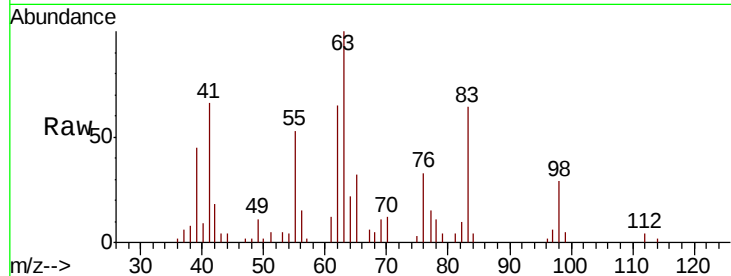
#45
 1,2-Dichloropropane
 Concen: 10.395 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Tot Ion: 63 Resp: 13707
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.4

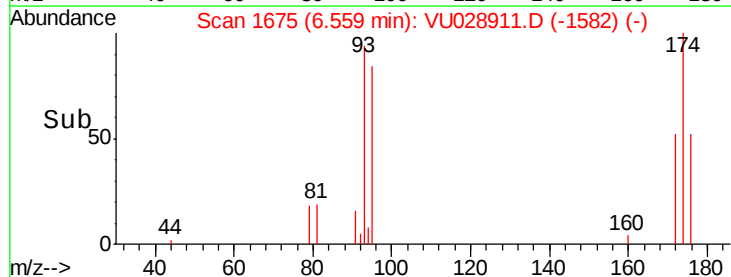
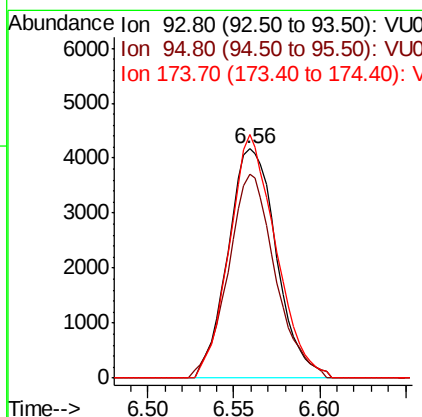
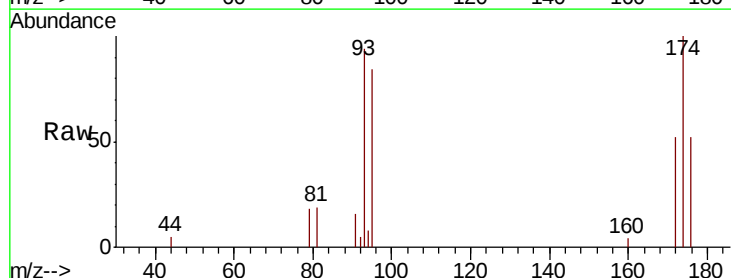
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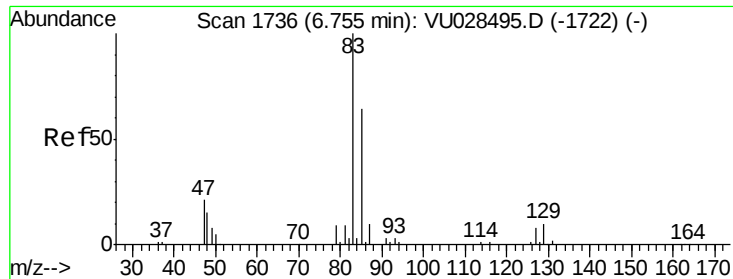
MMDadoda
 12/24/2018 11:48:44 AM



#46
 Dibromomethane
 Concen: 10.512 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion: 93 Resp: 8225
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.4 98.2
 174 101.2 72.2 108.4





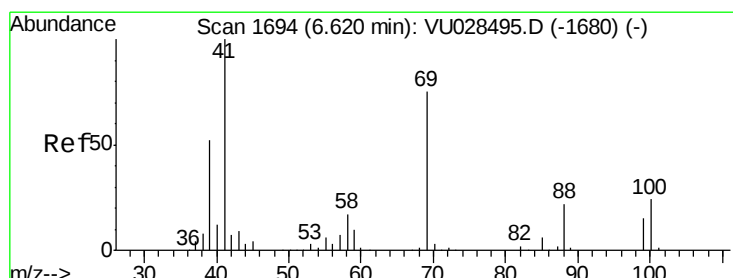
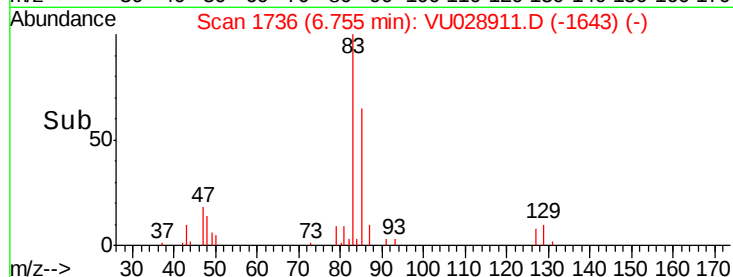
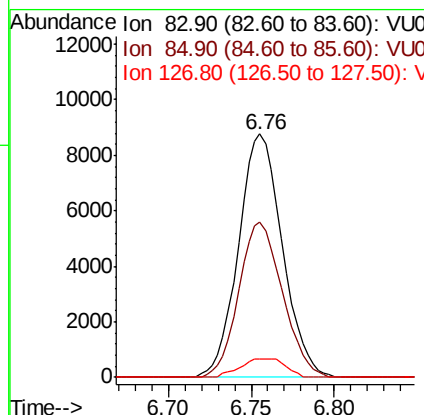
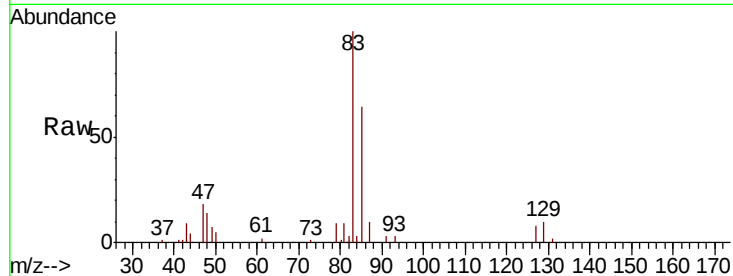
#47
Bromodichloromethane
Concen: 10.580 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	83	Resp	16109
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.5	77.3
127	7.7	6.2	9.4

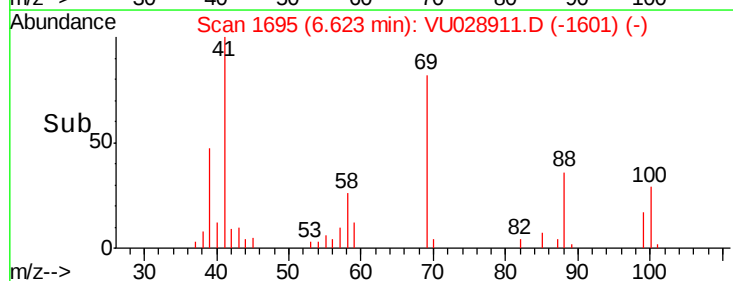
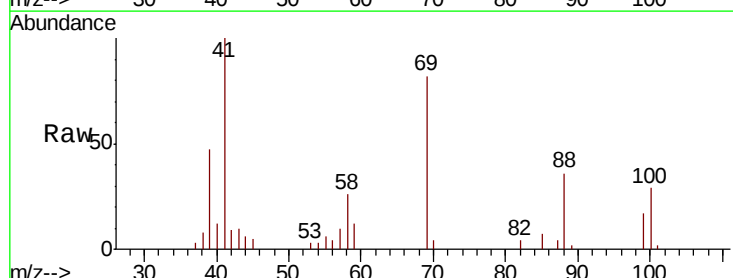
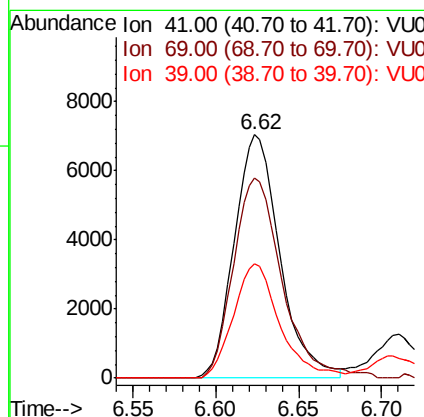
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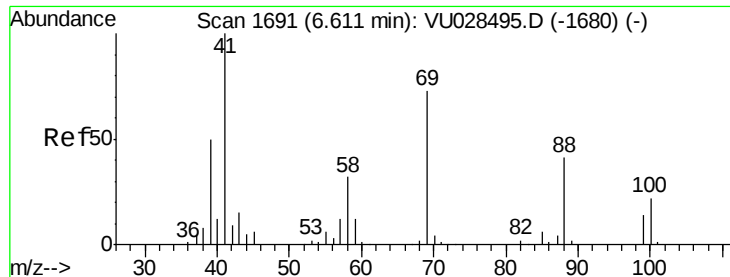
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#48
Methyl methacrylate
Concen: 8.313 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	41	Resp	13459
Ion Ratio	Lower	Upper	
41	100		
69	87.8	60.4	90.6
39	47.7	41.1	61.7





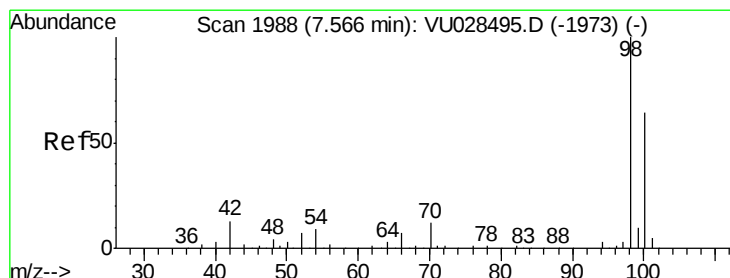
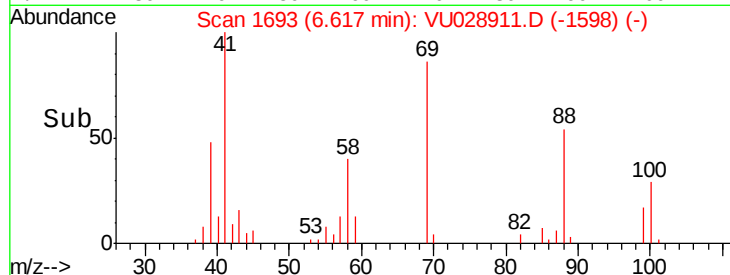
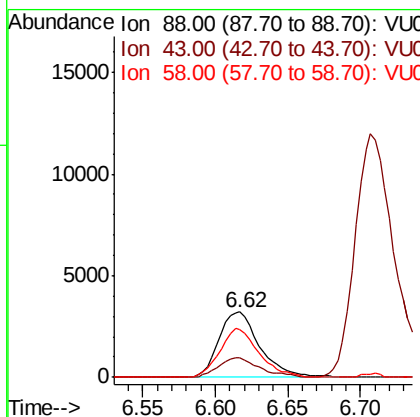
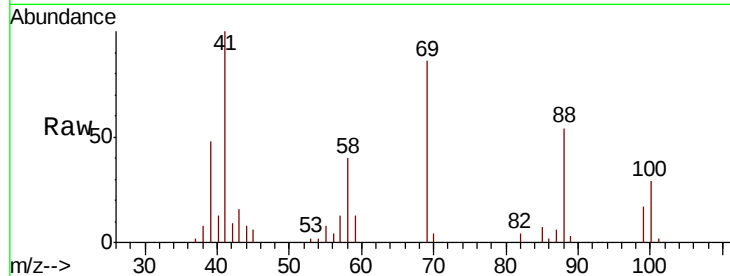
#49
1,4-Dioxane
Concen: 246.569 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	30.9	46.3#
58	70.2	62.4	93.6

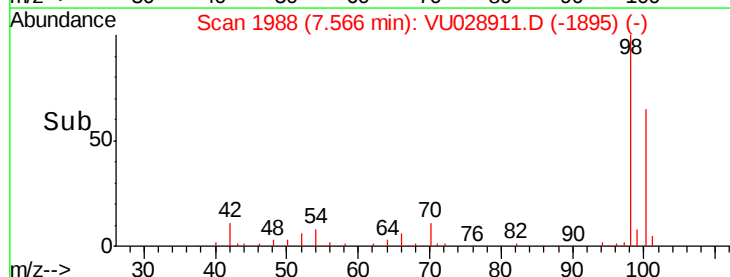
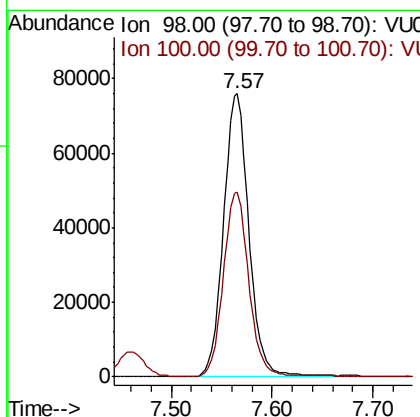
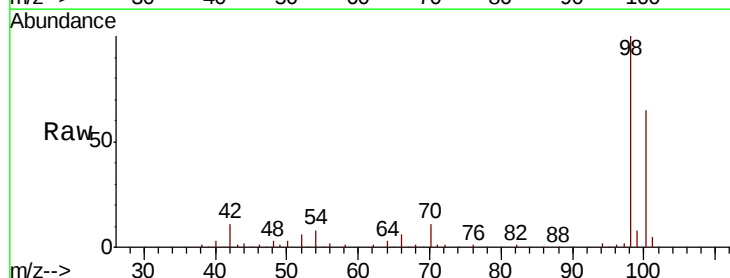
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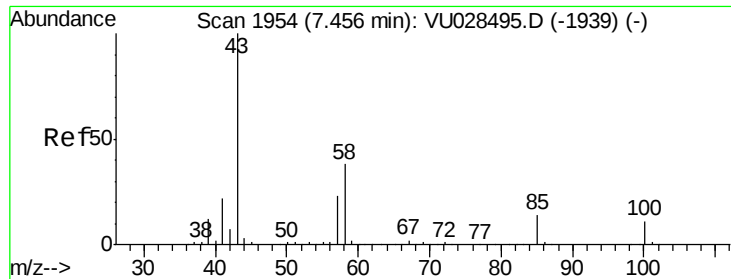
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12/24/2018 11:48:44 AM



#50
Toluene-d8
Concen: 36.928 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 42.875 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 43 Resp: 88034

Ion Ratio Lower Upper

43 100

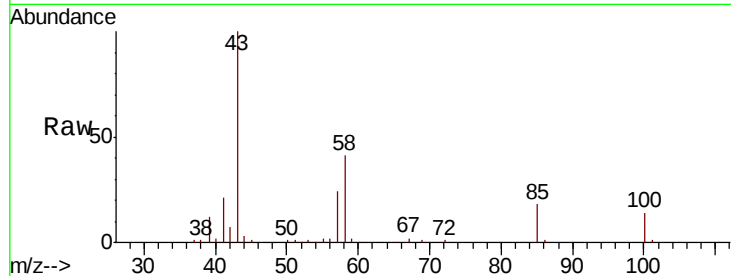
58 40.7 30.2 45.2

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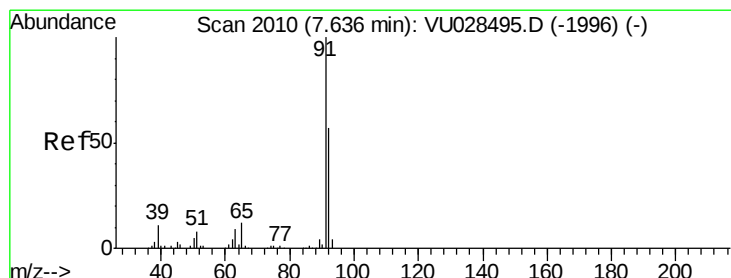
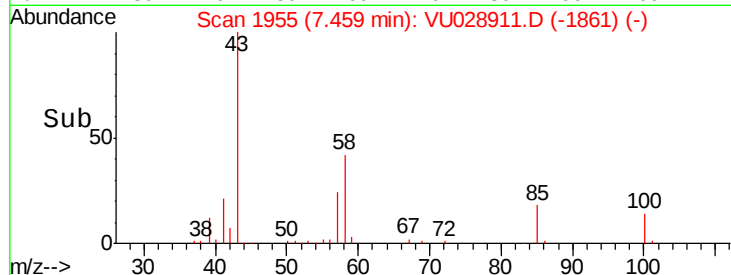
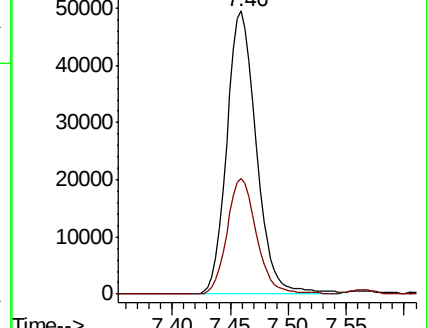
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)



#52

Toluene

Concen: 10.689 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028911.D

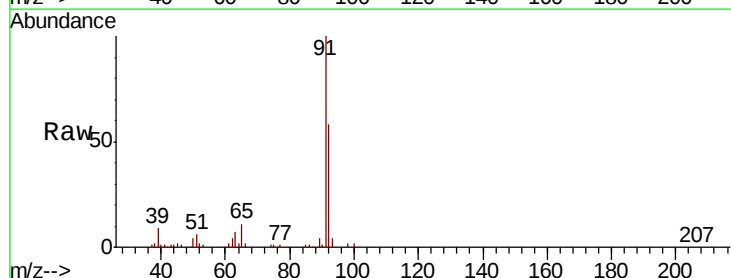
Acq: 22 Dec 2018 13:47

Tgt Ion: 92 Resp: 29498

Ion Ratio Lower Upper

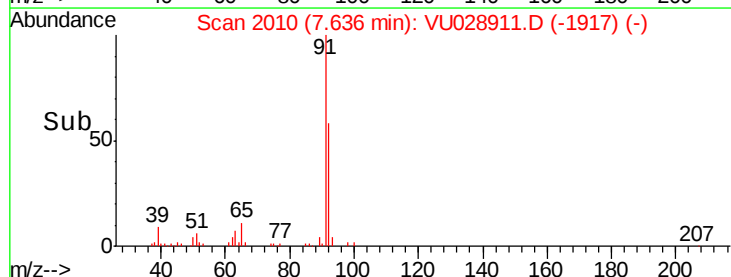
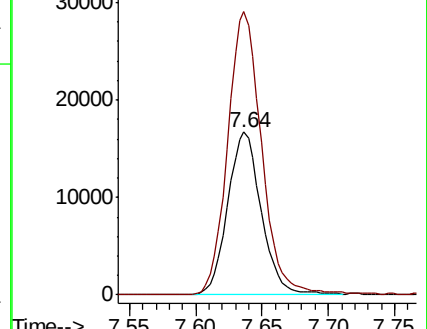
92 100

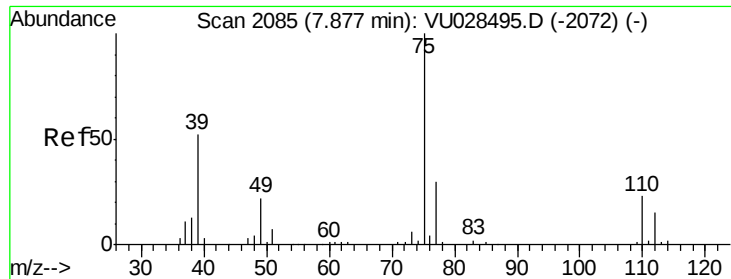
91 175.7 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)





#53

t-1,3-Dichloropropene

Concen: 9.617 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 75 Resp: 17438

Ion Ratio Lower Upper

75 100

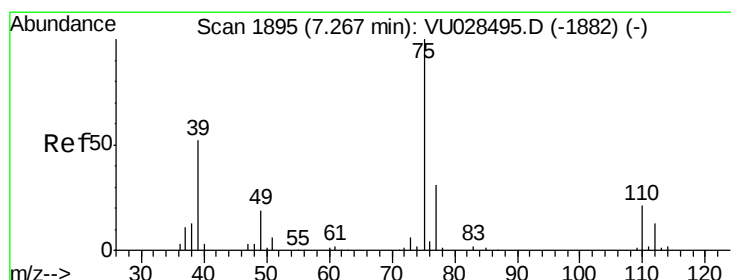
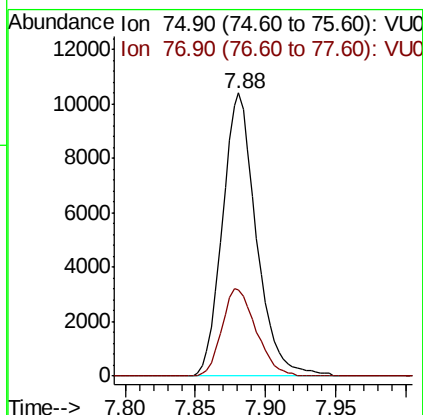
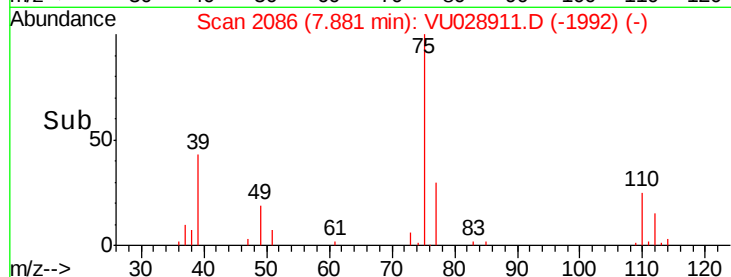
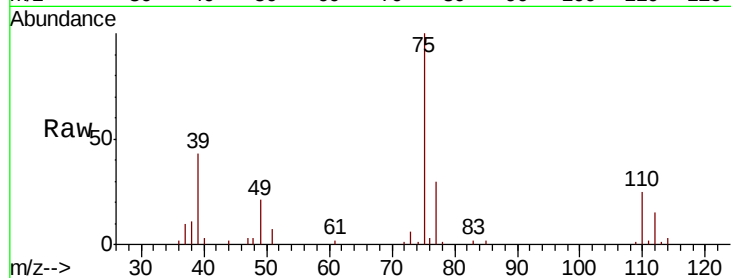
77 30.4 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 10.109 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

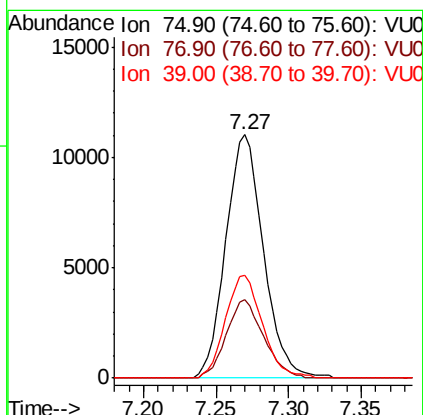
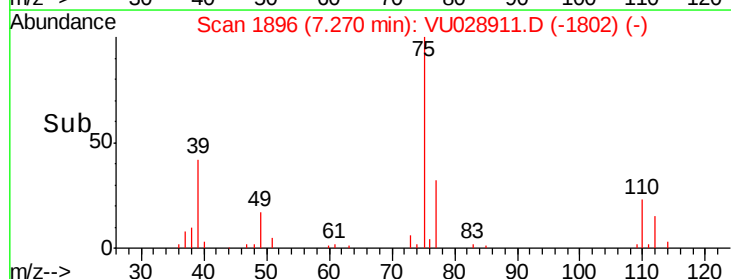
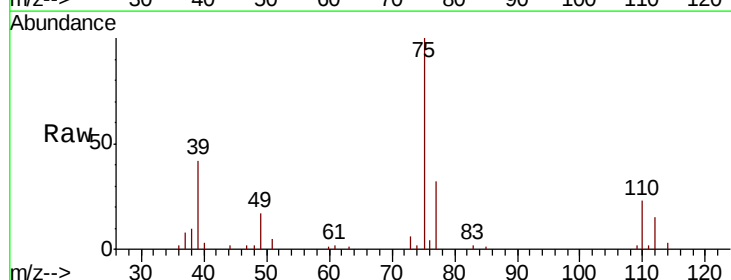
Tgt Ion: 75 Resp: 19887

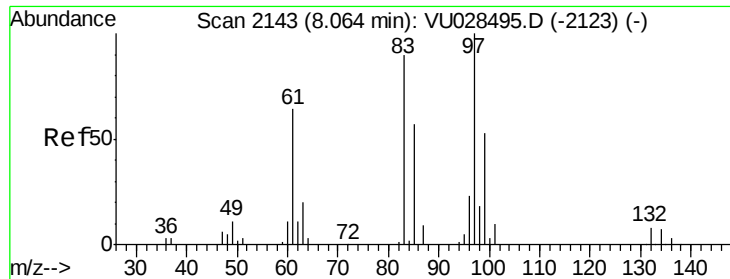
Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

39 42.1 41.3 61.9





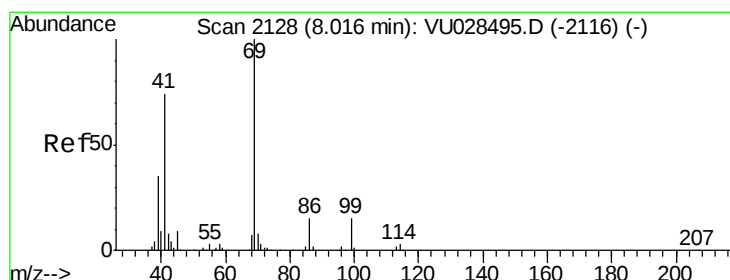
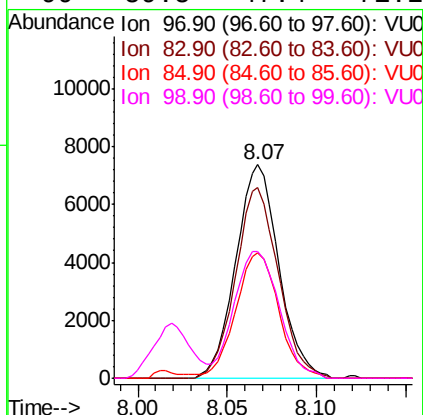
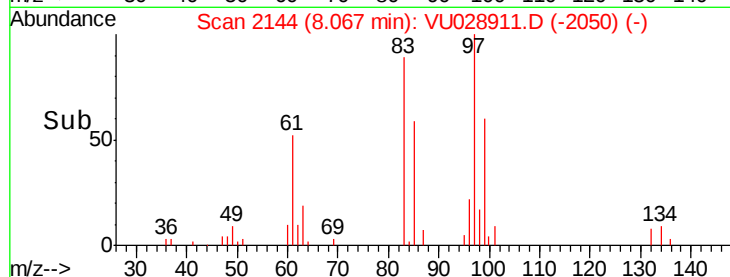
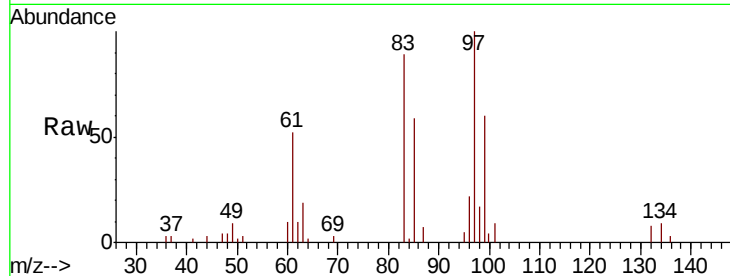
#55
 1,1,2-Trichloroethane
 Concen: 11.363 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.4	108.6
85	58.6	46.0	69.0
99	59.5	47.4	71.2

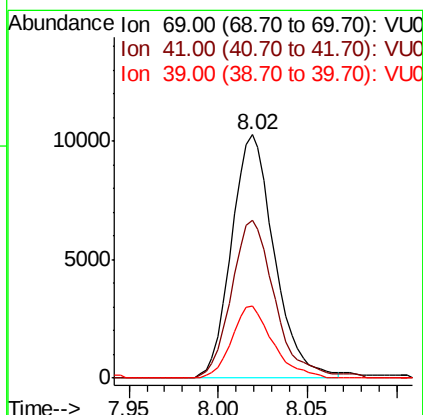
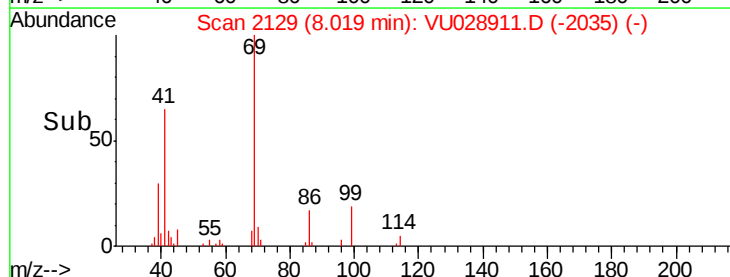
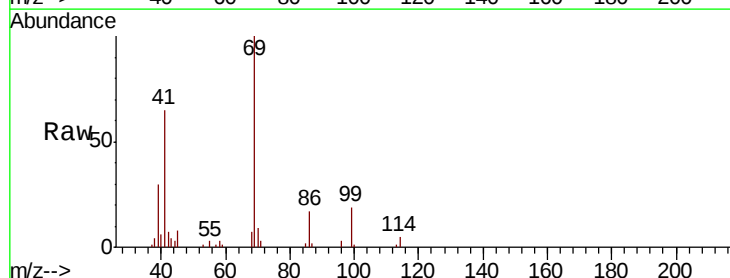
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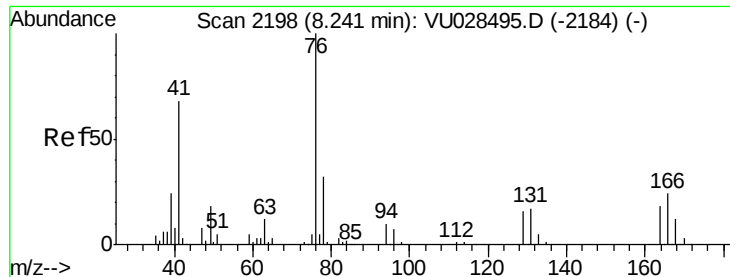
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#56
 Ethyl methacrylate
 Concen: 9.178 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	59.1	88.7
39	28.3	28.4	42.6#





#57

1,3-Dichloropropane

Concen: 10.382 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Tot Ion: 76 Resp: 21025

Ion Ratio Lower Upper

76 100

78 30.6 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

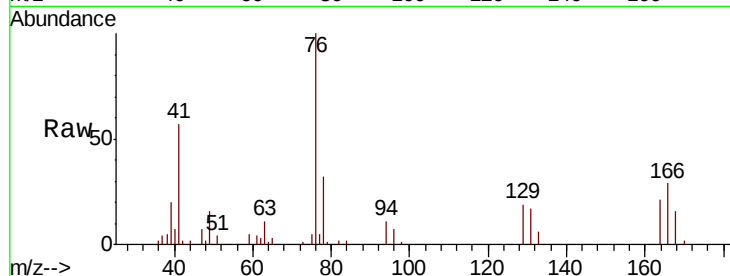
VU1222MBS01

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12/24/2018 11:48:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

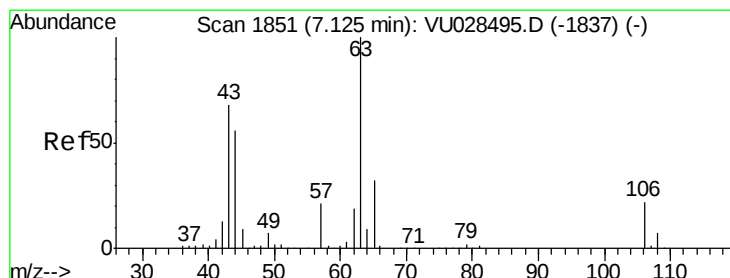
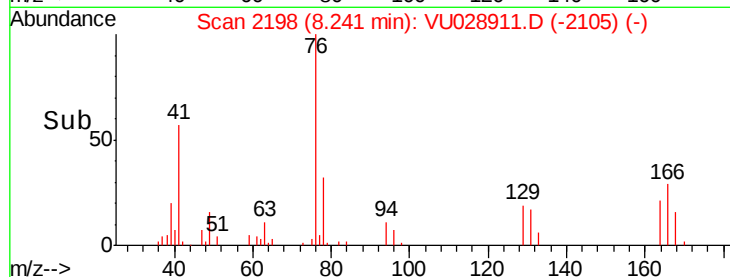
8.24

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 47.923 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028911.D

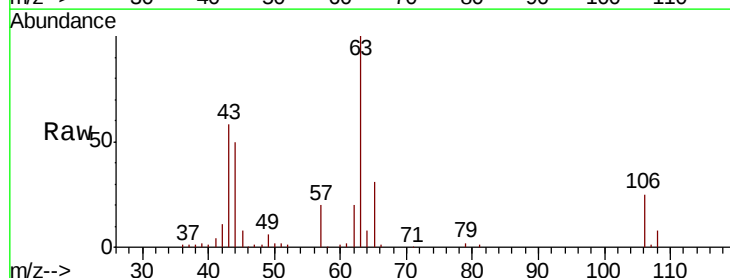
Acq: 22 Dec 2018 13:47

Tgt Ion: 63 Resp: 45856

Ion Ratio Lower Upper

63 100

106 24.5 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

30000

25000

20000

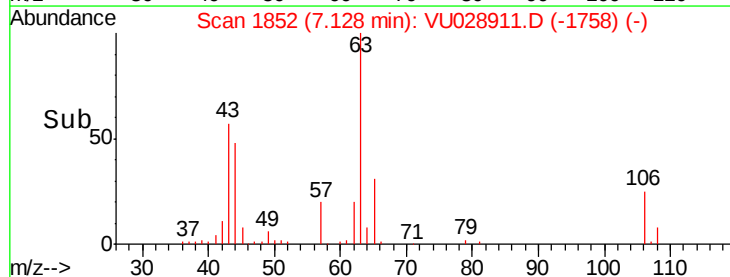
15000

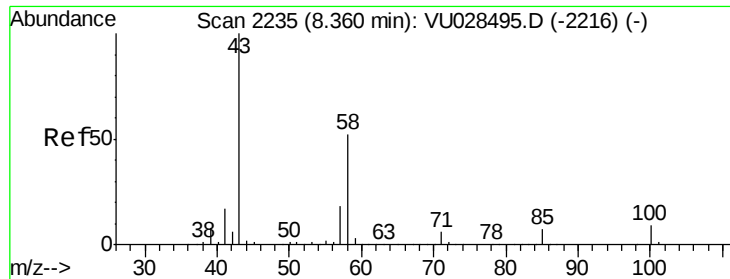
10000

5000

0

Time-->





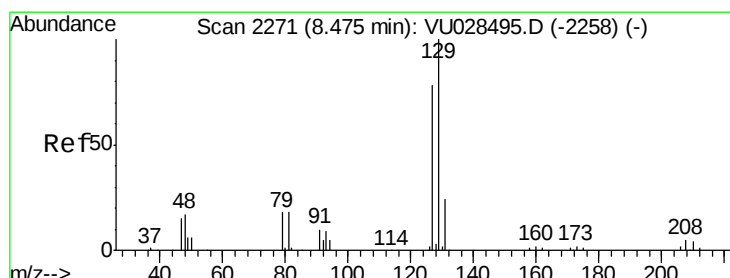
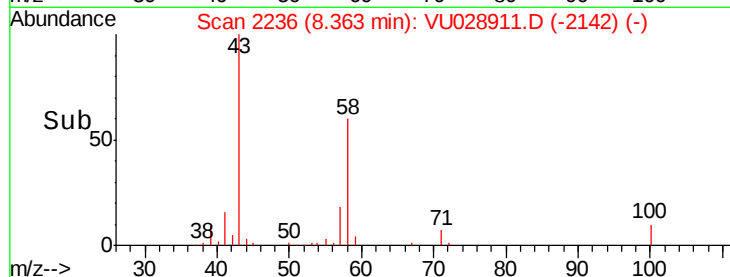
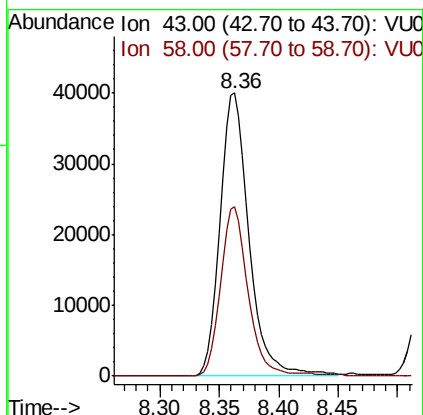
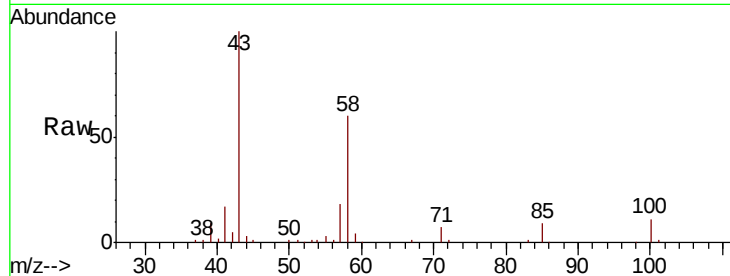
#59
2-Hexanone
Concen: 41.531 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion: 43 Resp: 67589
Ion Ratio Lower Upper
43 100
58 56.8 25.9 77.6

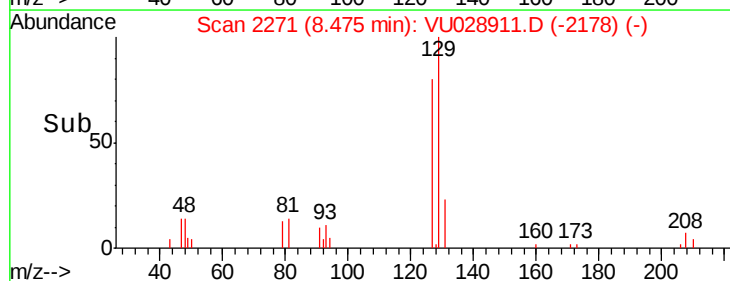
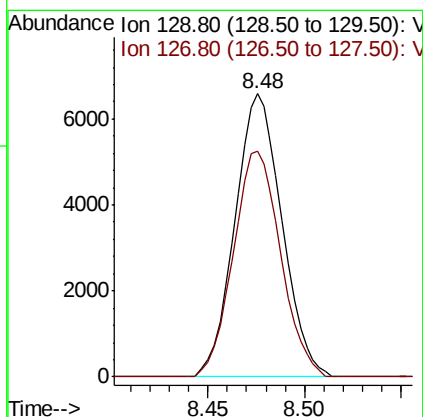
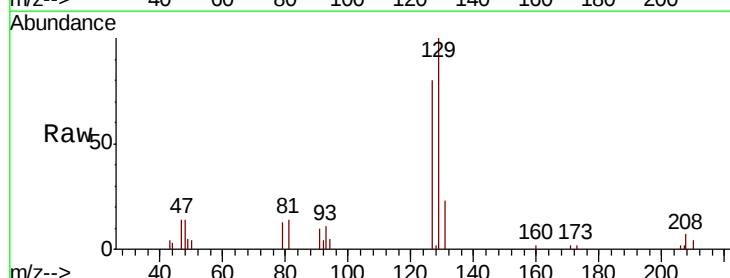
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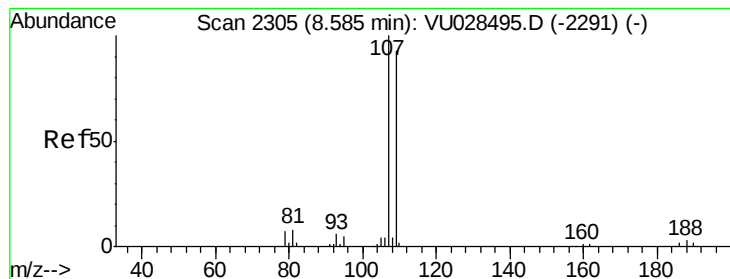
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#60
Dibromochloromethane
Concen: 10.390 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion: 129 Resp: 11097
Ion Ratio Lower Upper
129 100
127 80.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 11.281 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBS01

Tot Ion: 107 Resp: 12905

Ion Ratio Lower Upper

107 100

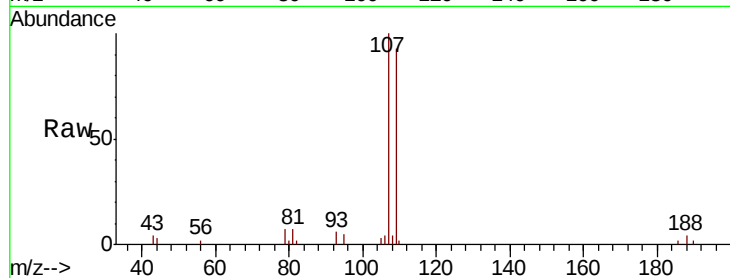
109 91.1 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

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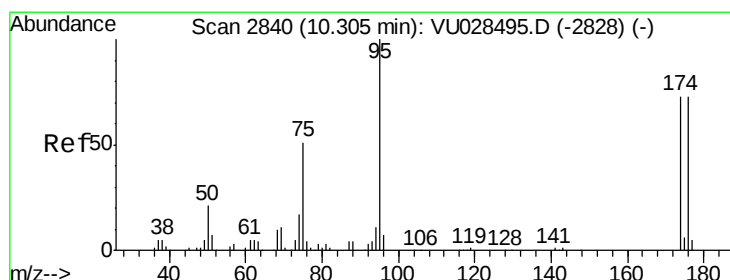
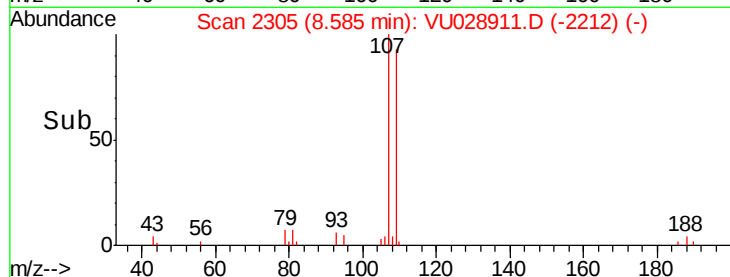
8.58

8.58

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8.58

8.58



#62

4-Bromofluorobenzene

Concen: 34.256 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

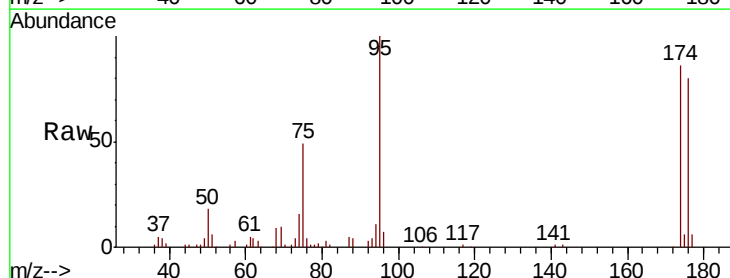
Tgt Ion: 95 Resp: 46376

Ion Ratio Lower Upper

95 100

174 85.0 0.0 150.4

176 80.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

10.30

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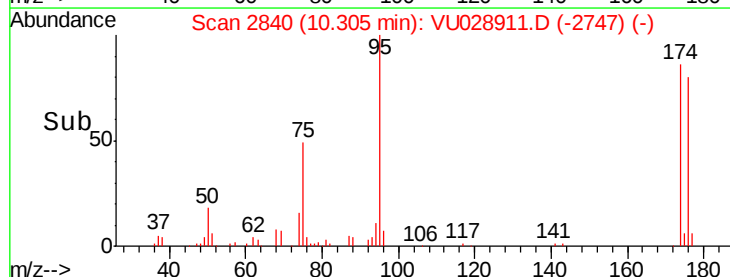
10.30

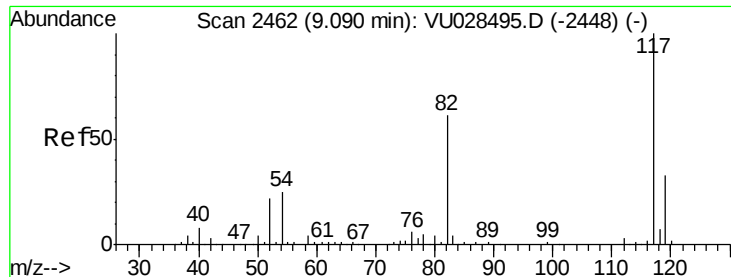
10.30

10.30

10.30

10.30





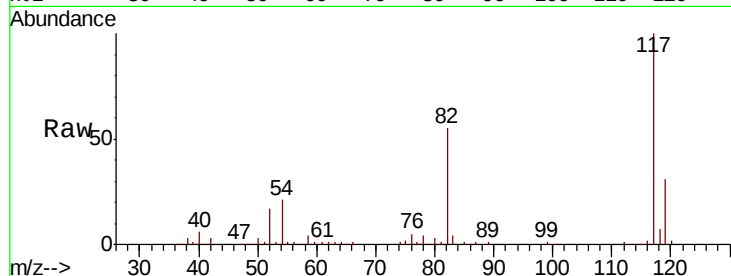
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	48.9	73.3
119	31.3	26.2	39.4

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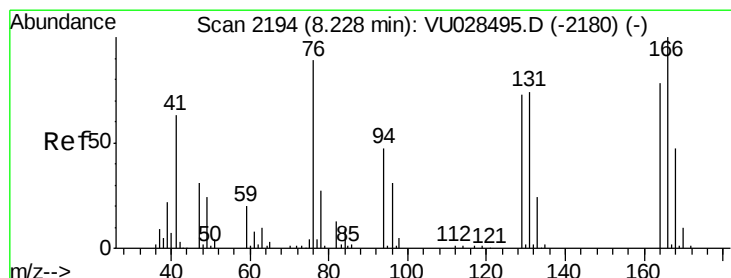
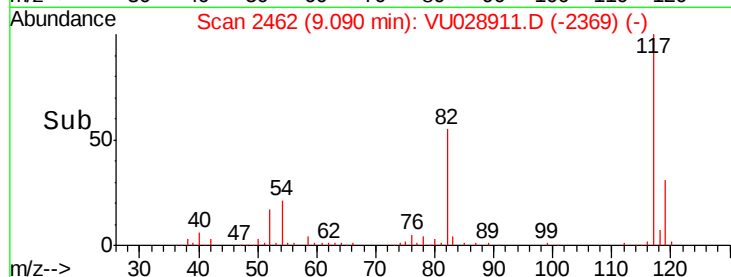
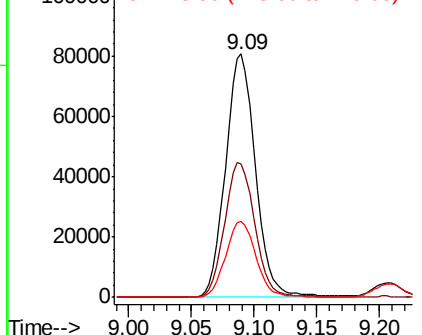


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 11.255 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.9	152.9
129	98.4	74.9	112.3
131	91.7	75.4	113.0

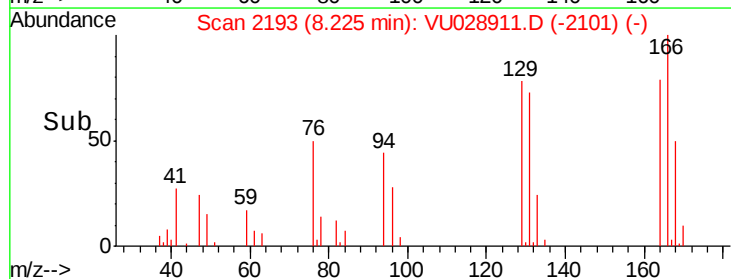
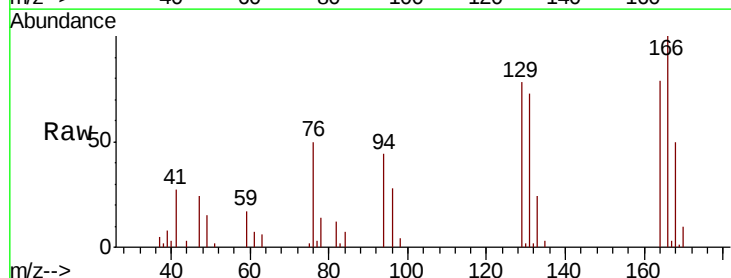
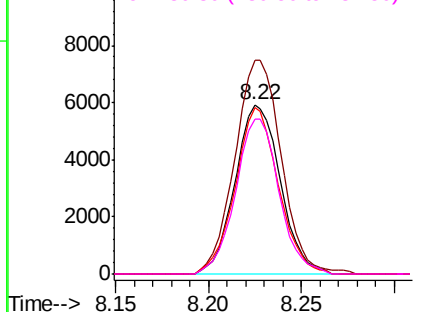
Abundance

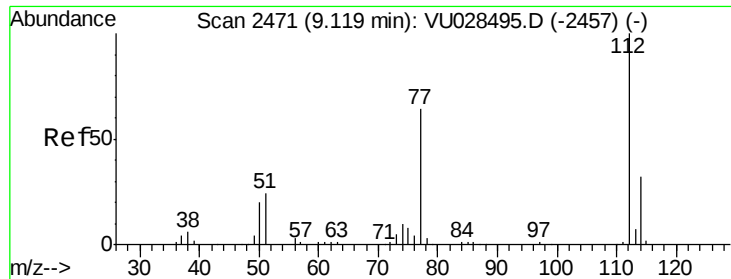
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





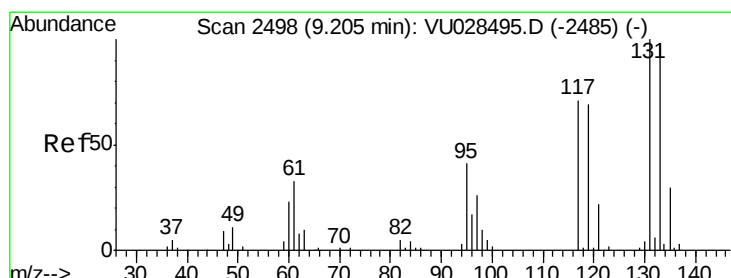
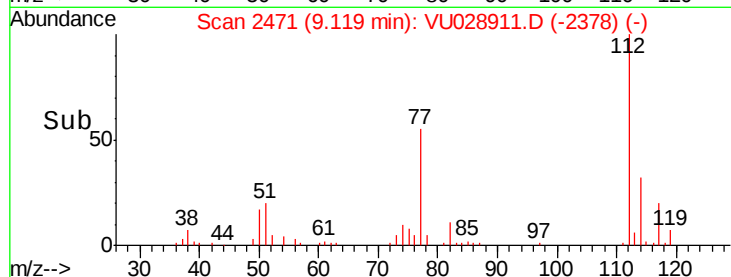
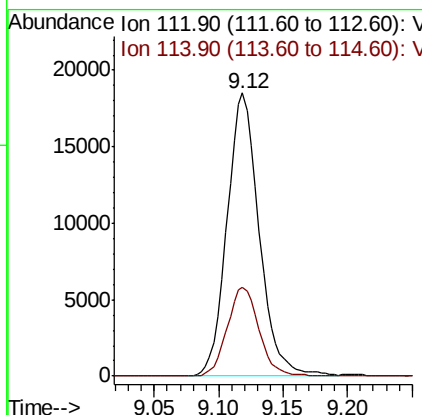
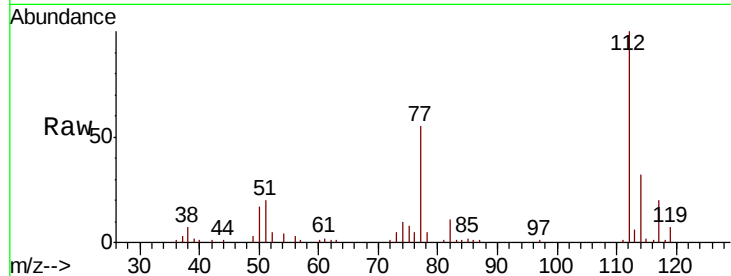
#65
Chlorobenzene
Concen: 11.244 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion:112 Resp: 32011
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

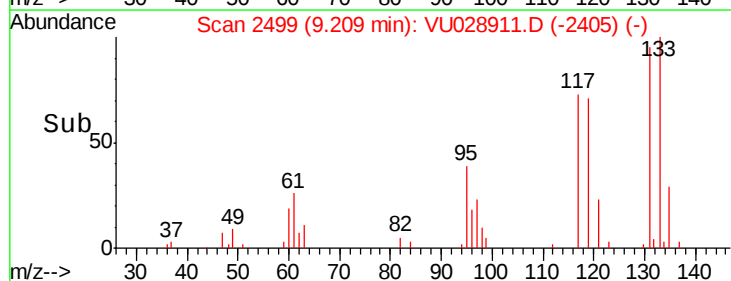
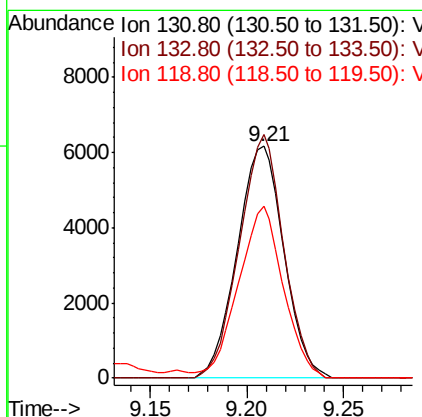
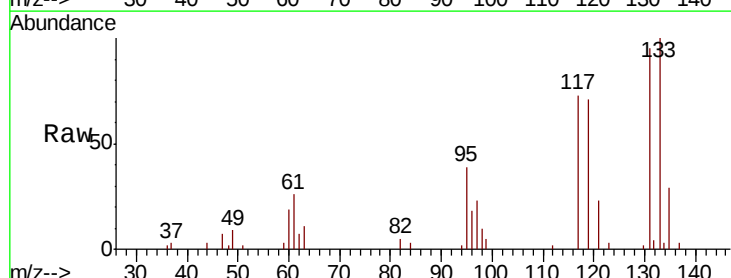
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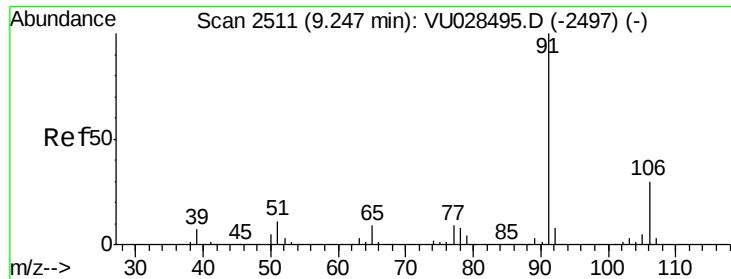
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#66
1,1,1,2-Tetrachloroethane
Concen: 11.424 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion:131 Resp: 10386
Ion Ratio Lower Upper
131 100
133 99.3 48.0 144.0
119 71.1 34.6 103.9





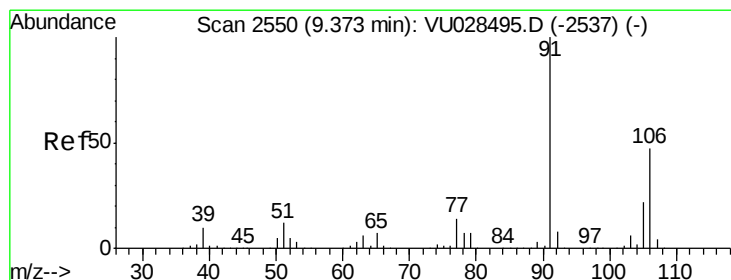
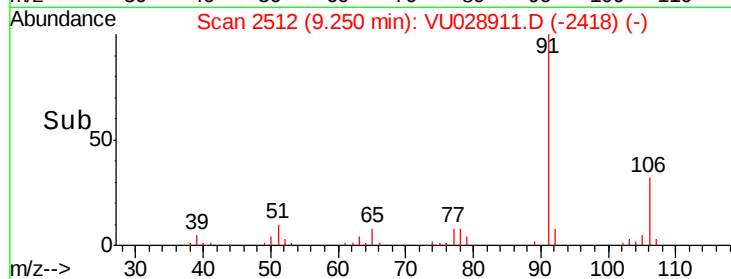
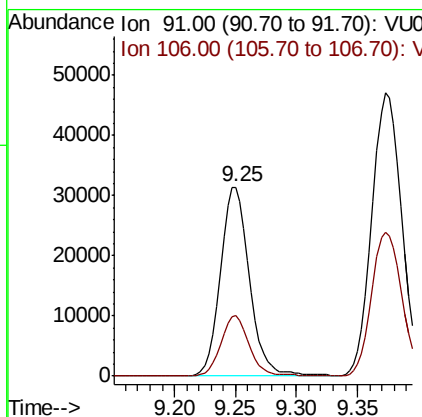
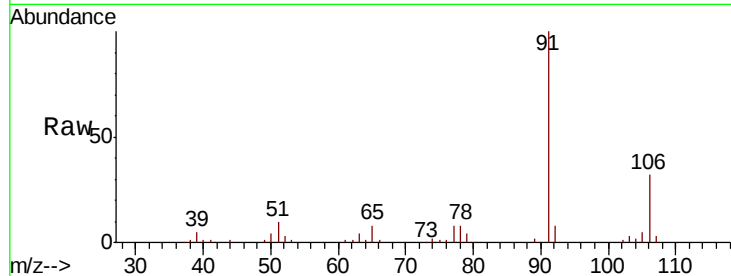
#67
Ethyl Benzene
Concen: 10.094 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion: 91 Resp: 52830
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1

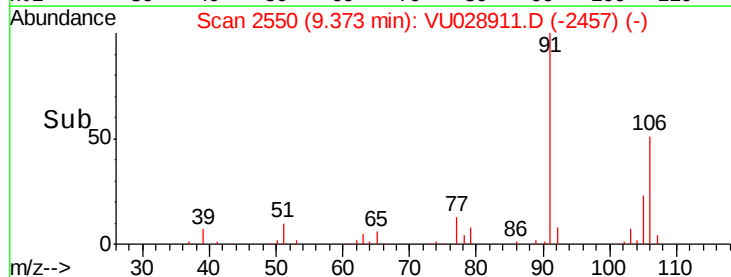
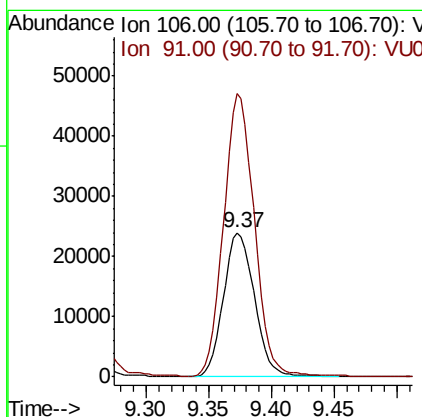
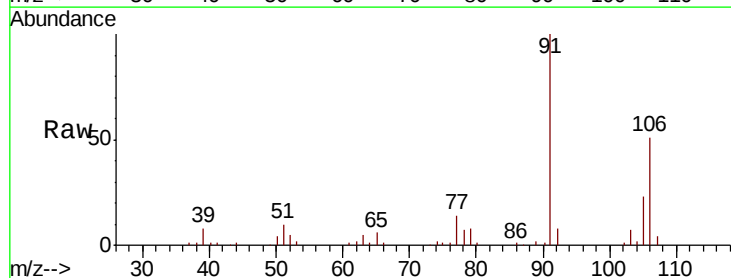
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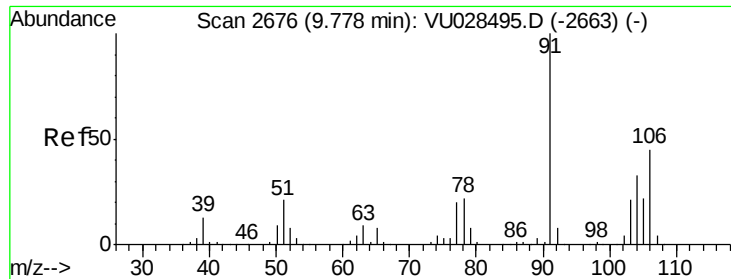
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#68
m/p-Xylenes
Concen: 21.773 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion: 106 Resp: 41465
Ion Ratio Lower Upper
106 100
91 195.3 167.4 251.0





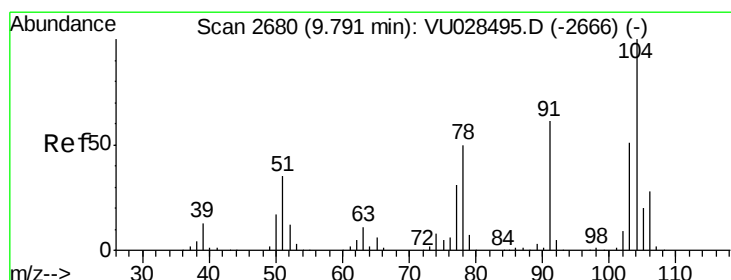
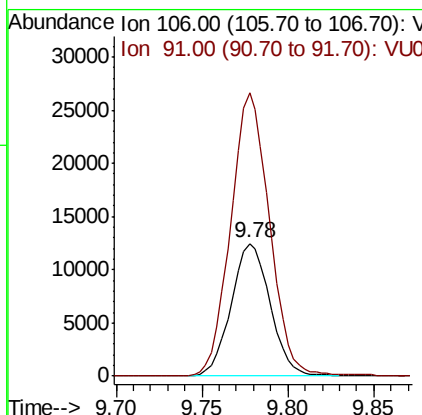
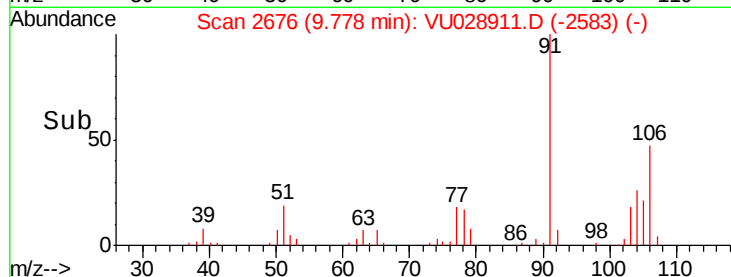
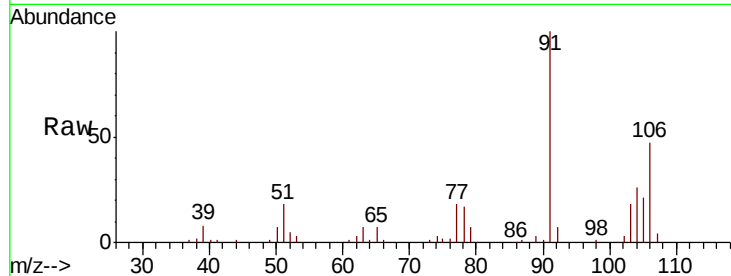
#69
o-Xylene
Concen: 10.669 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion:106 Resp: 19744
Ion Ratio Lower Upper
106 100
91 211.8 111.3 334.0

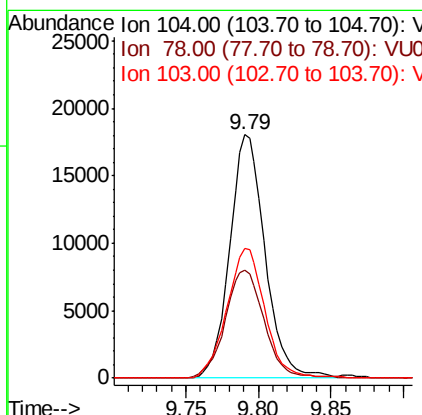
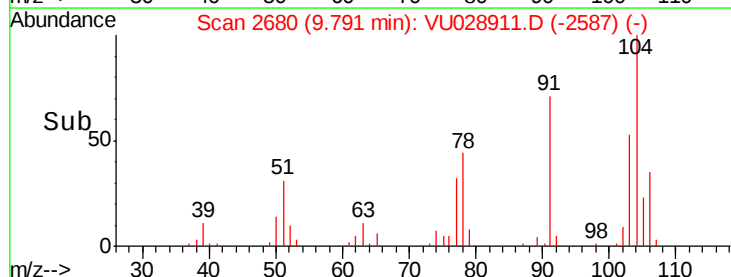
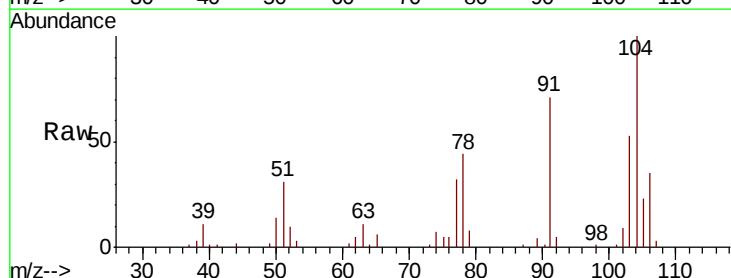
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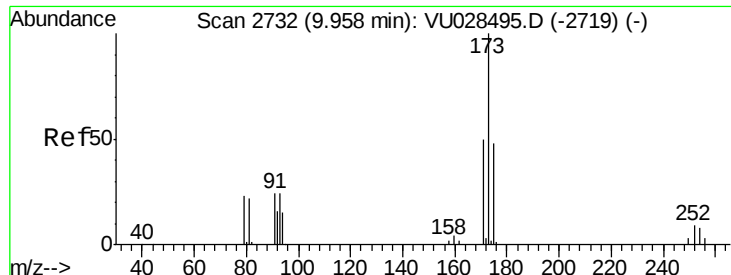
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#70
Styrene
Concen: 9.963 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion:104 Resp: 30514
Ion Ratio Lower Upper
104 100
78 48.9 43.0 64.6
103 56.8 44.2 66.4





#71

Bromoform

Concen: 11.527 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

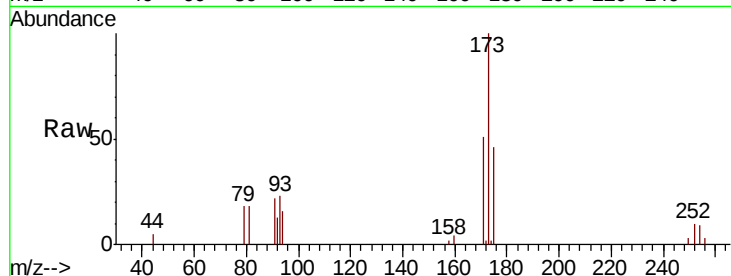
ClientSampleId :

VU1222MBS01

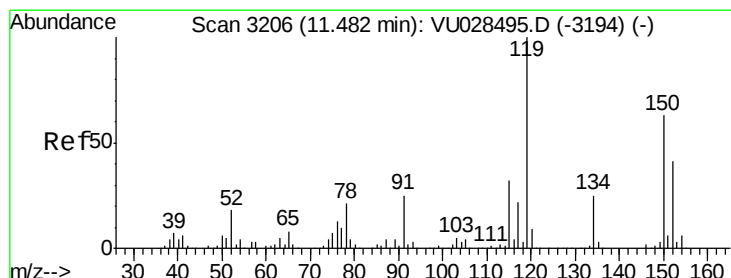
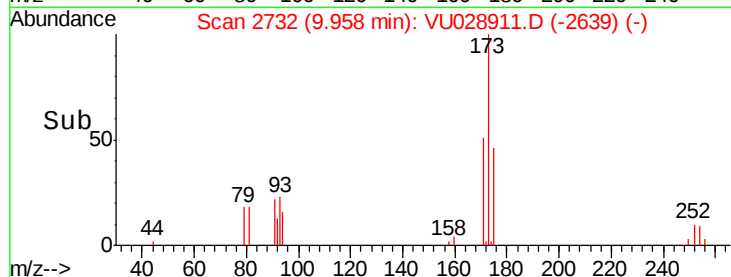
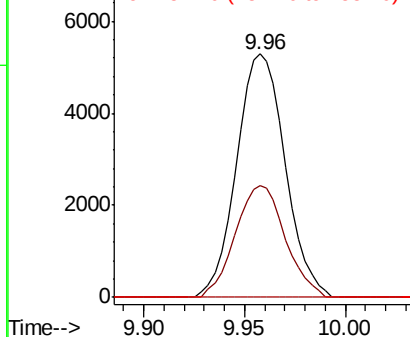
Tot Ion:	173	Resp:	8915
Ion Ratio	Lower	Upper	
173	100		
175	46.8	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

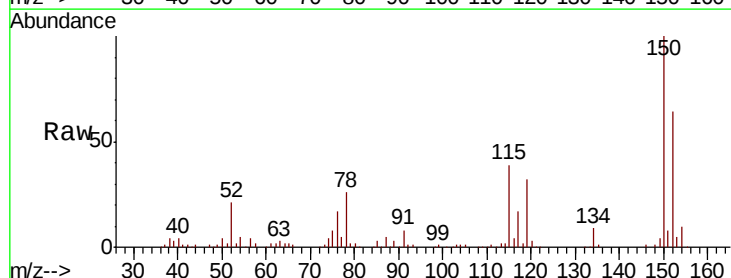
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

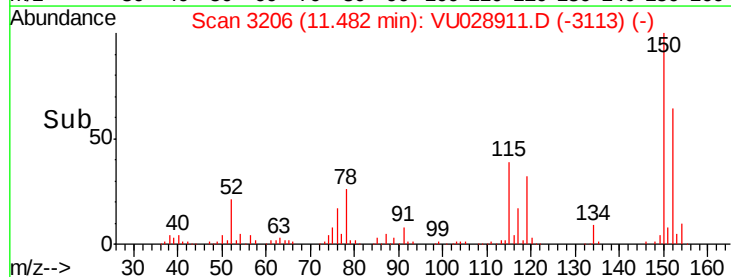
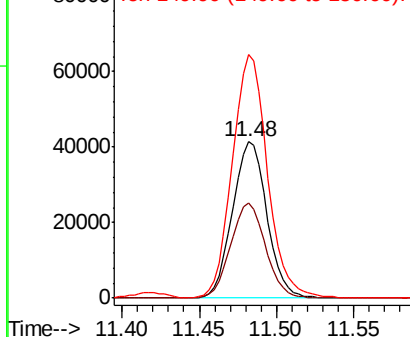
Lab File: VU028911.D

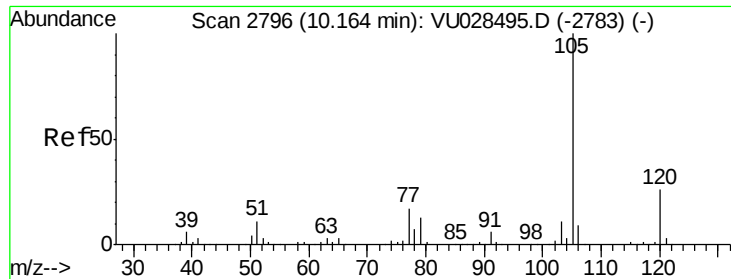
Acq: 22 Dec 2018 13:47

Tgt Ion:	152	Resp:	63994
Ion Ratio	Lower	Upper	
152	100		
115	61.4	42.7	128.1
150	158.6	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





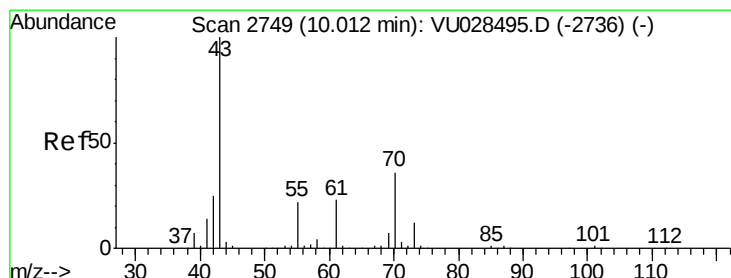
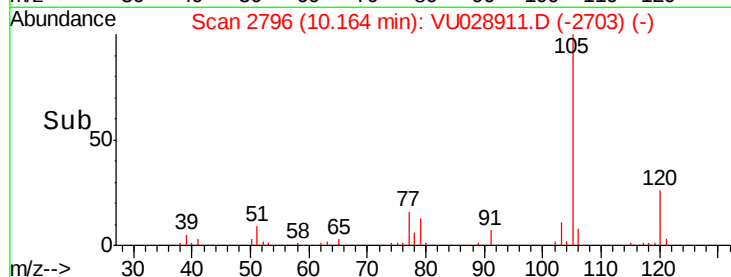
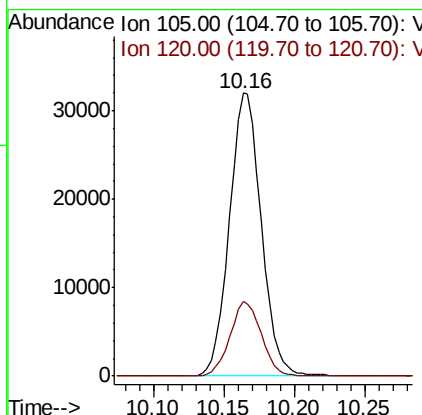
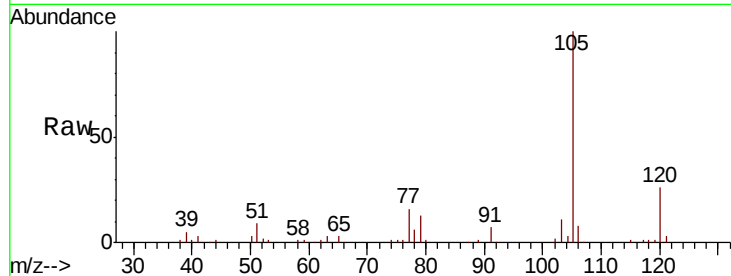
#73
Isopropylbenzene
Concen: 10.298 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion:105 Resp: 50567
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

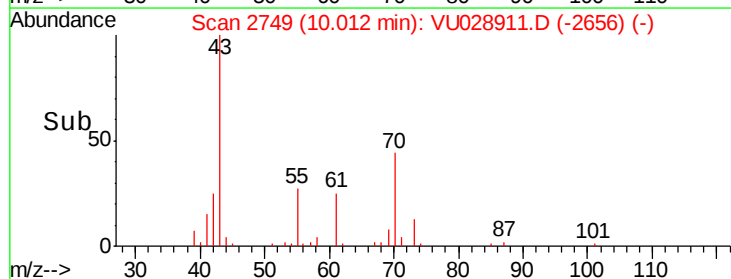
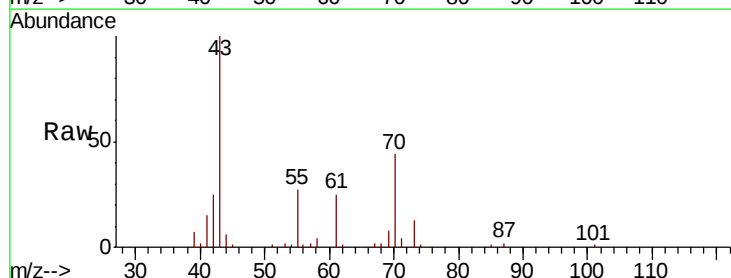
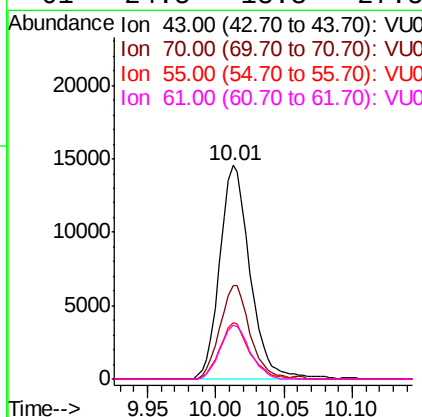
Manual Integrations
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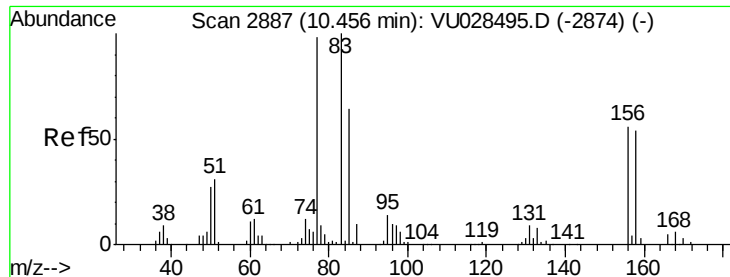
MMDadoda
12/24/2018 11:48:44 AM



#74
N-ethyl acetate
Concen: 7.955 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion: 43 Resp: 22532
Ion Ratio Lower Upper
43 100
70 43.0 29.3 43.9
55 25.9 18.0 27.0
61 24.5 18.3 27.5





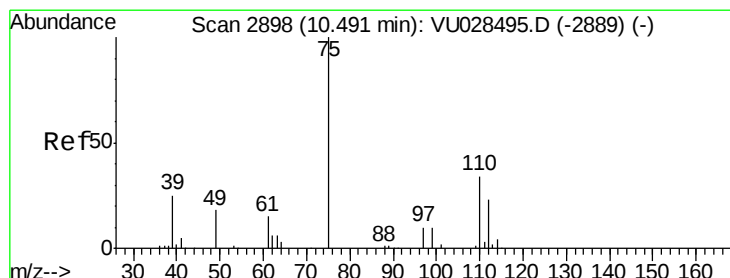
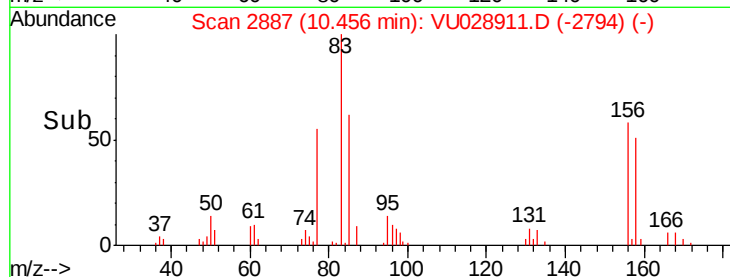
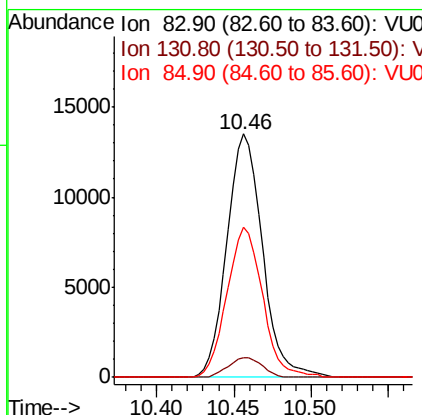
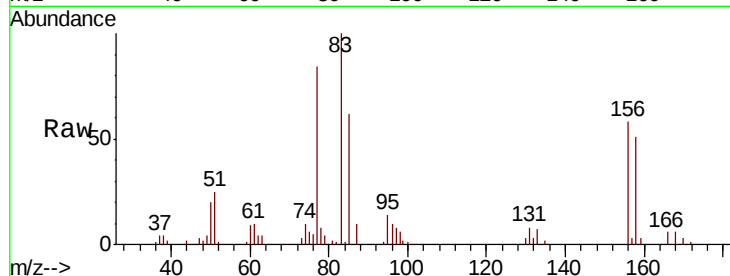
#75
 1,1,2,2-Tetrachloroethane
 Concen: 11.441 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	7.6	4.2	12.4	
85	61.7	31.8	95.4	

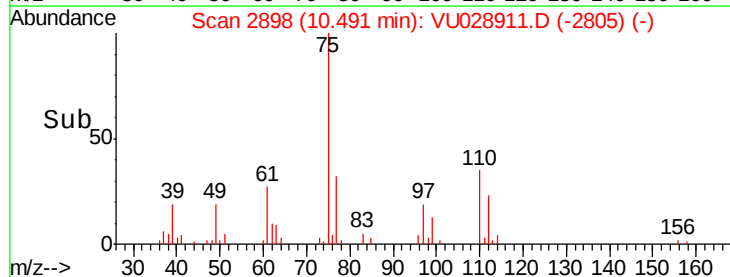
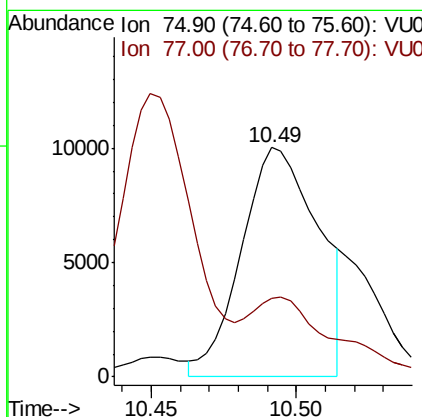
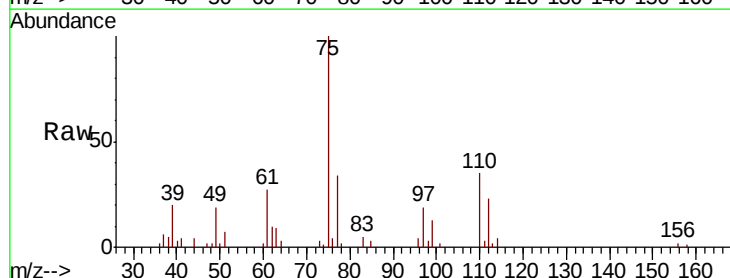
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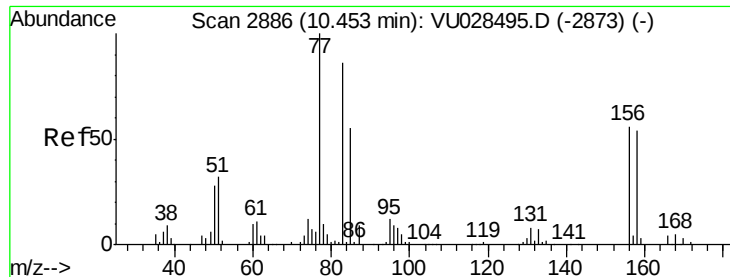
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 12/24/2018 11:48:44 AM



#76
 1,2,3-Trichloropropane
 Concen: 11.343 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	37.0	20.8	62.4	





#77

Bromobenzene

Concen: 11.725 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Instrument :

MSVOA_U

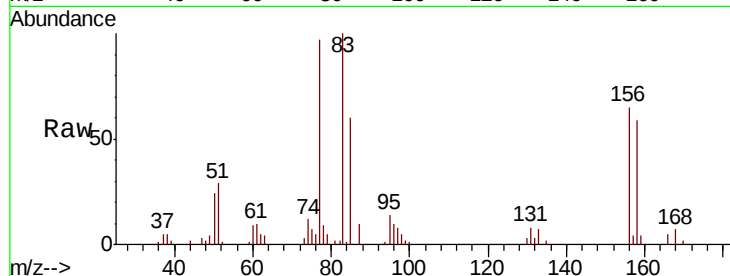
ClientSampleId :

VU1222MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.7	92.4	277.2
158	92.5	48.4	145.3

Manual Integrations
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MMDadoda
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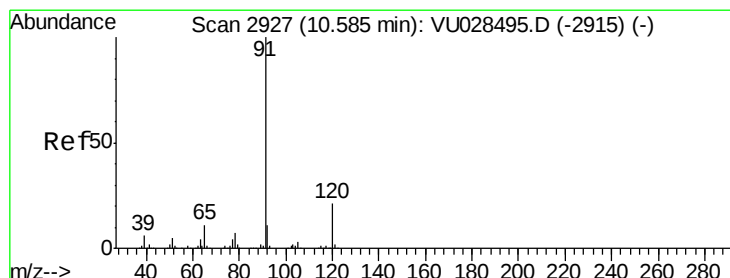
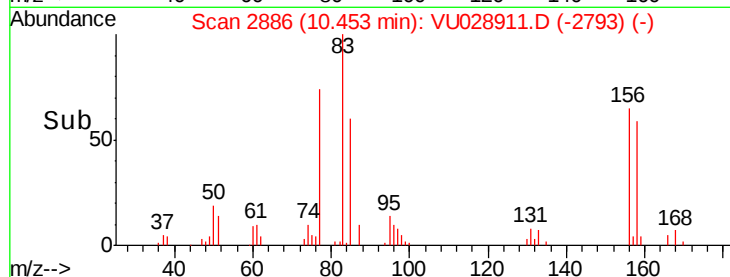
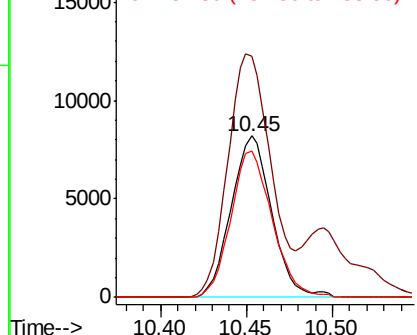


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.592 ug/l

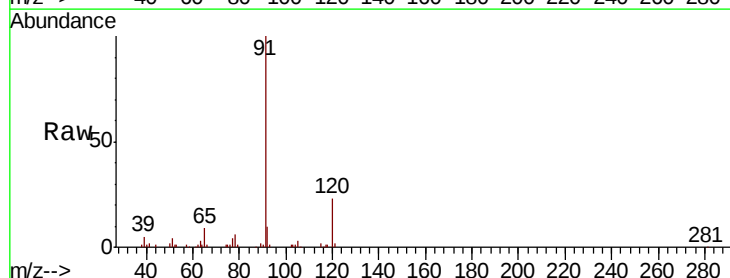
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

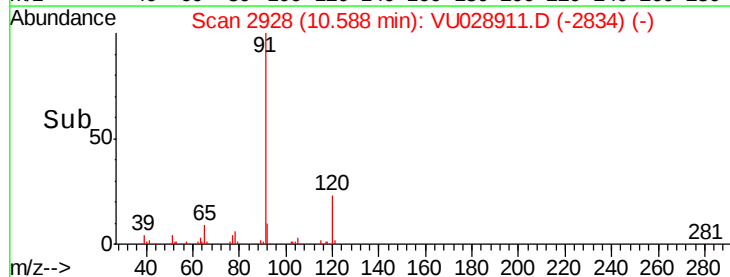
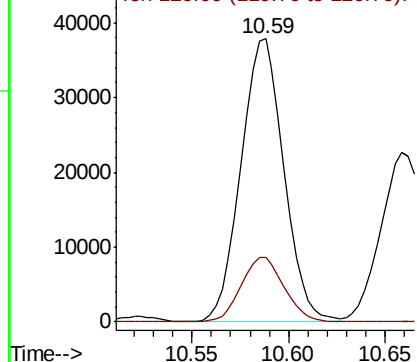
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.6	31.8

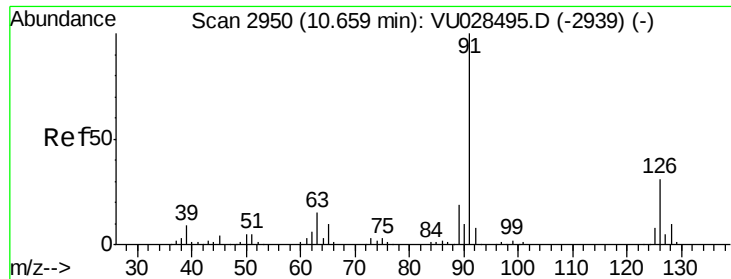


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





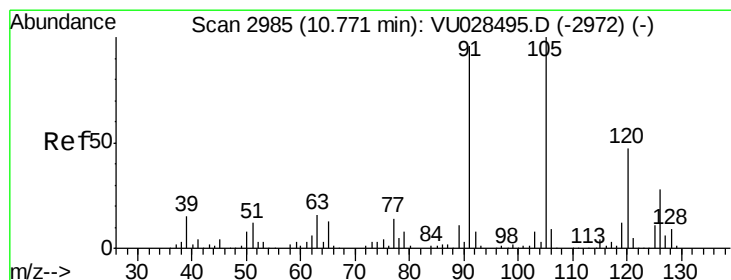
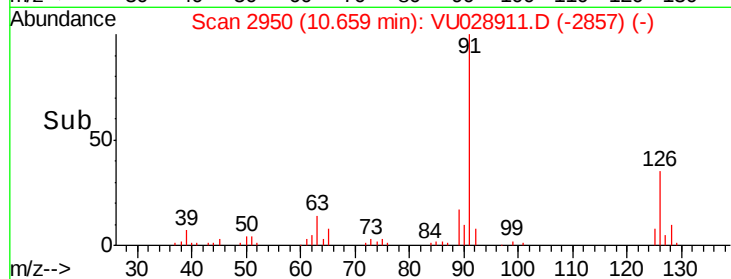
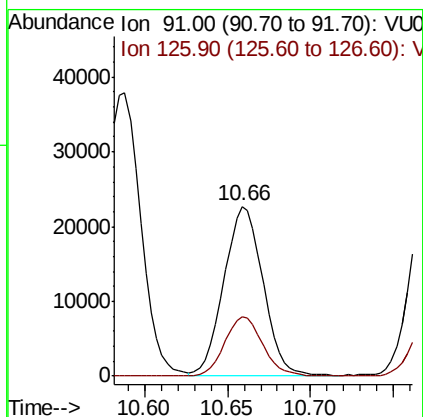
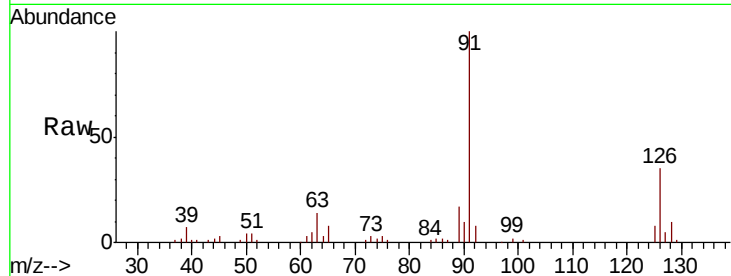
#79
2-Chlorotoluene
Concen: 10.557 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion: 91 Resp: 37106
Ion Ratio Lower Upper
91 100
126 33.8 15.6 46.8

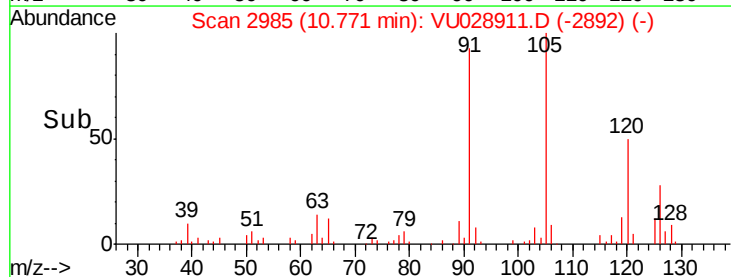
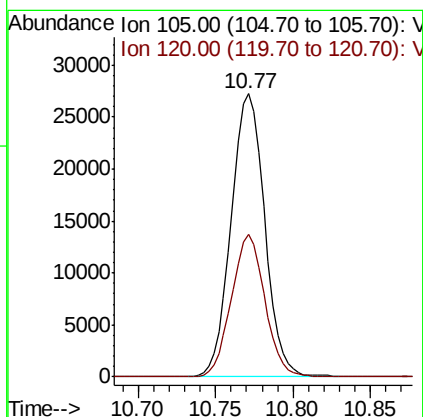
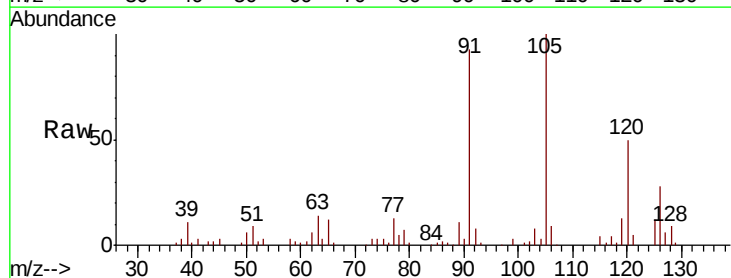
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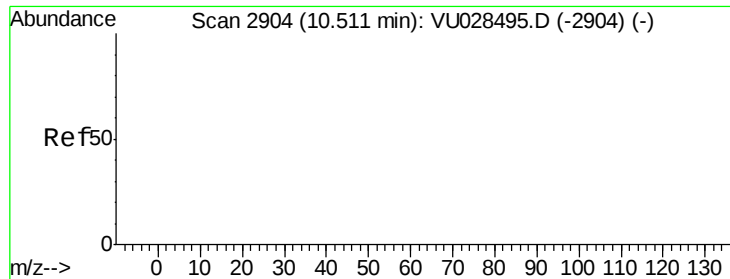
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12/24/2018 11:48:44 AM



#80
1,3,5-Trimethylbenzene
Concen: 10.093 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion: 105 Resp: 41026
Ion Ratio Lower Upper
105 100
120 50.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 10.021 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

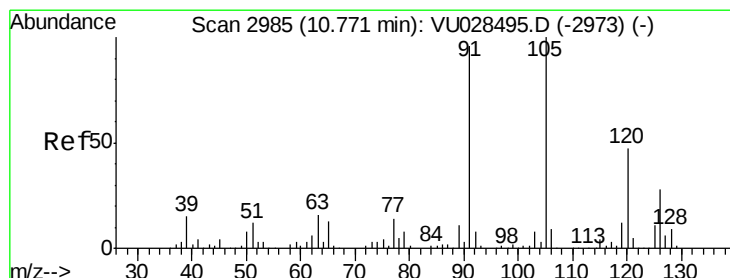
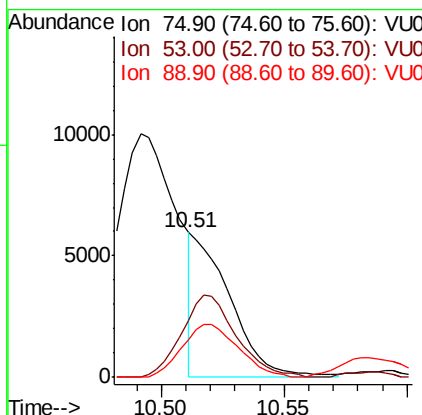
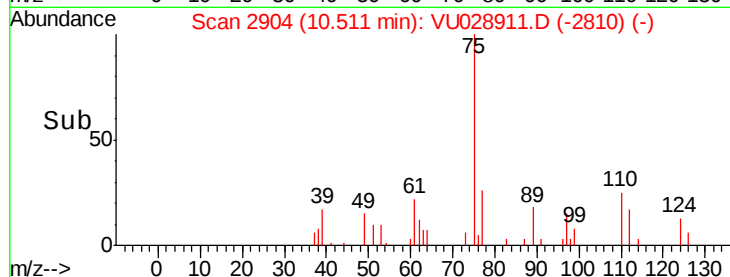
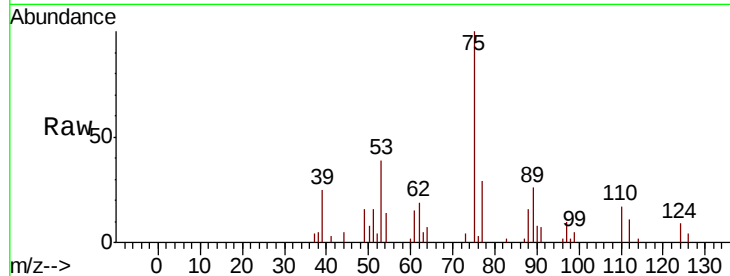
Instrument :
MSVOA_U

ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 9.605 ug/l

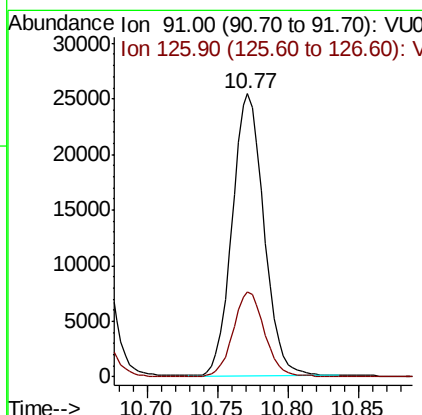
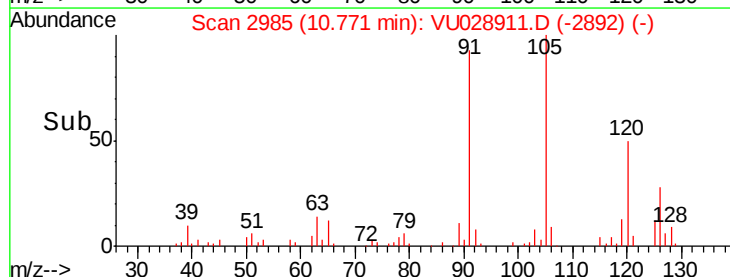
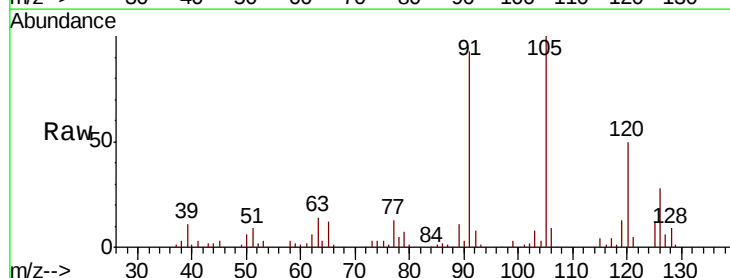
RT: 10.77 min Scan# 2985

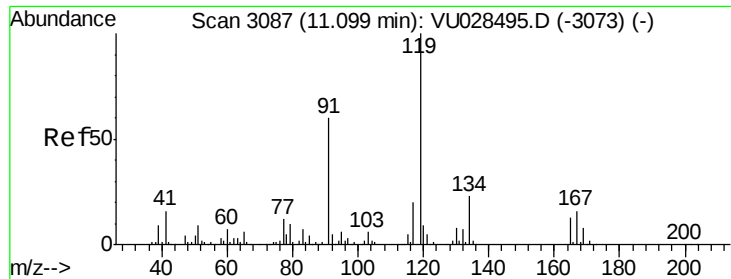
Delta R.T. -0.00 min

Lab File: VU028911.D

Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.1	42.3





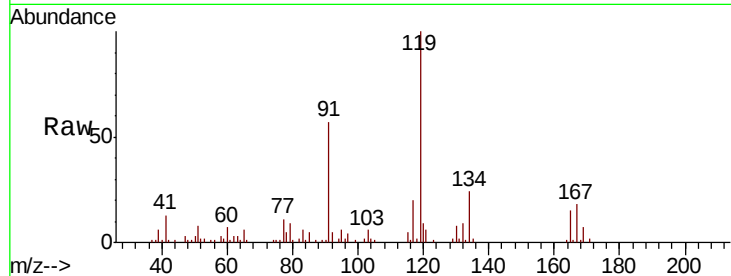
#83
tert-Butylbenzene
Concen: 10.402 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

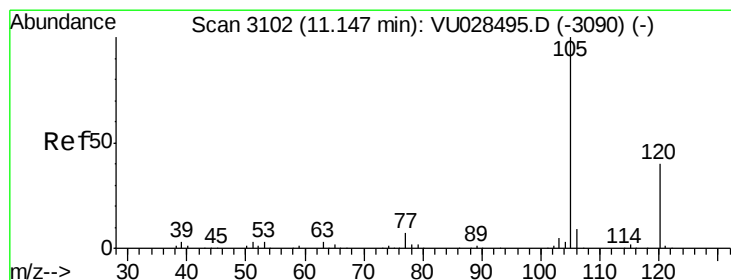
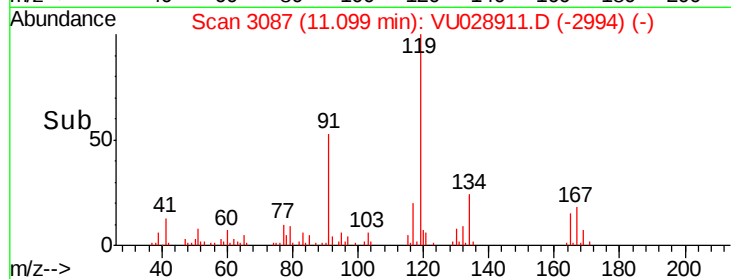
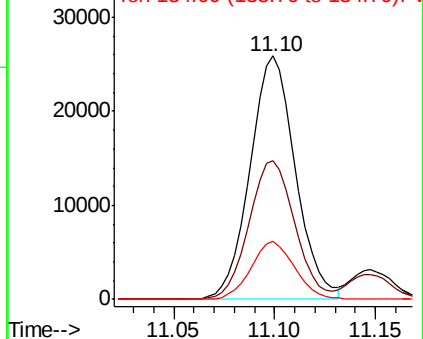
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	30.3	91.0
134	22.8	11.2	33.5

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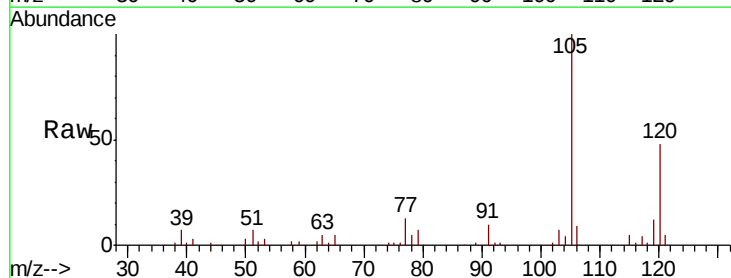


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

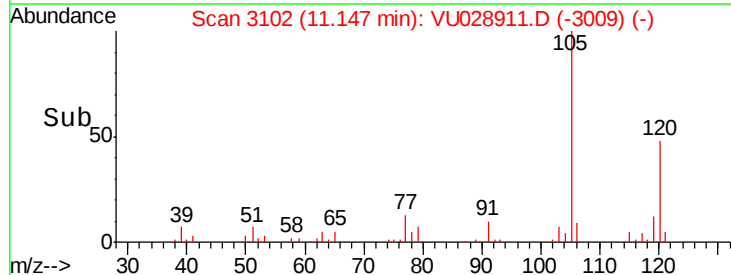
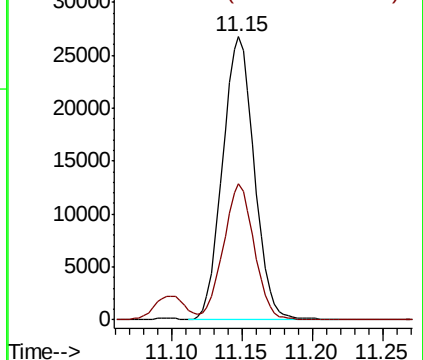


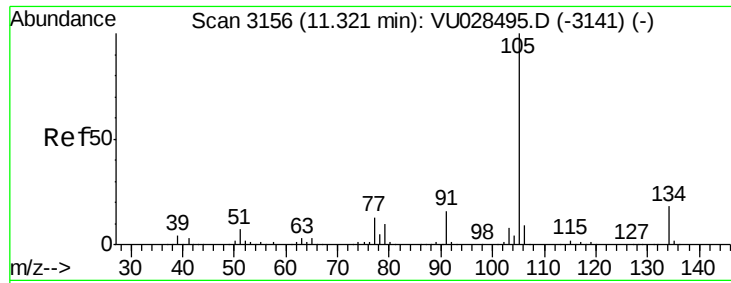
#84
1,2,4-Trimethylbenzene
Concen: 10.001 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	21.8	65.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





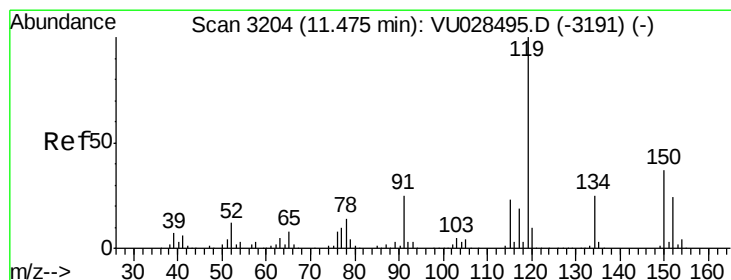
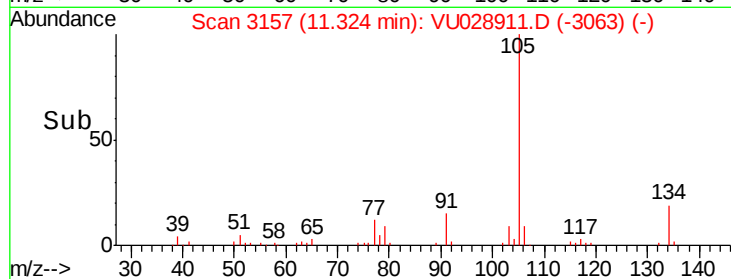
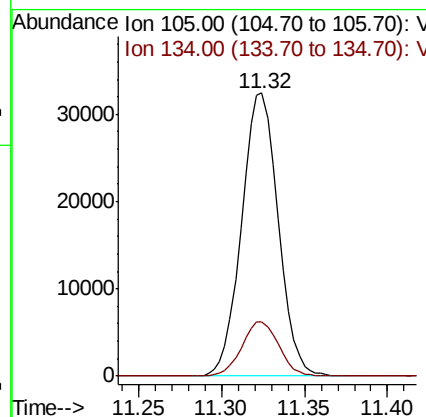
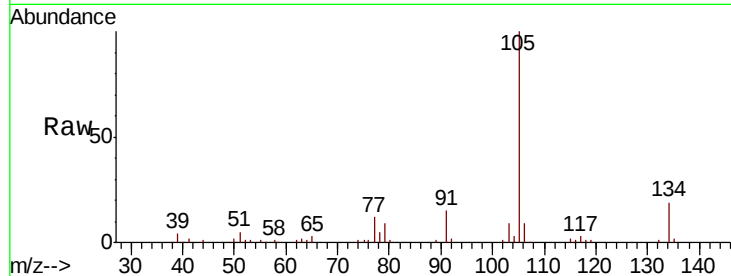
#85
 sec-Butylbenzene
 Concen: 9.889 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.2	27.6

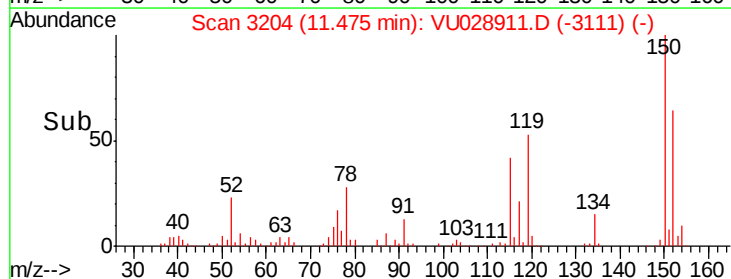
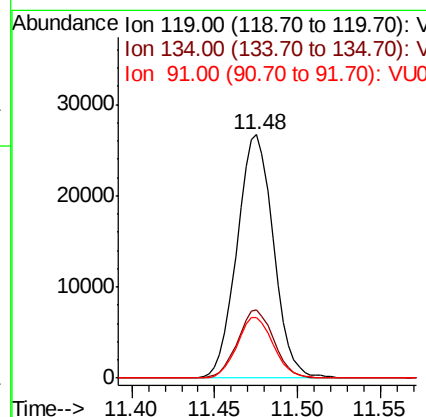
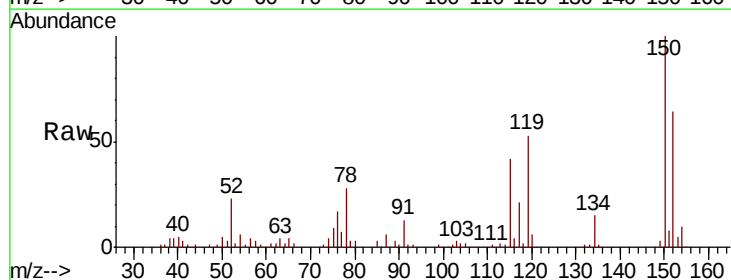
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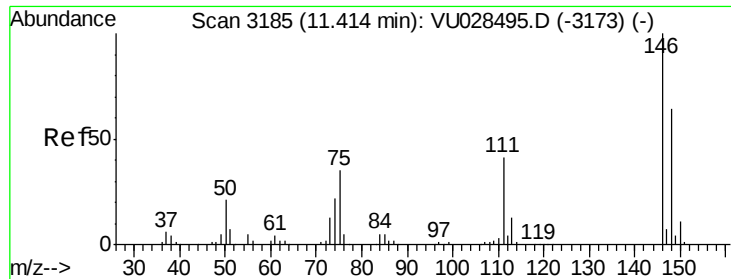
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#86
 p-Isopropyltoluene
 Concen: 9.541 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	12.7	38.1
91	24.6	12.6	37.6





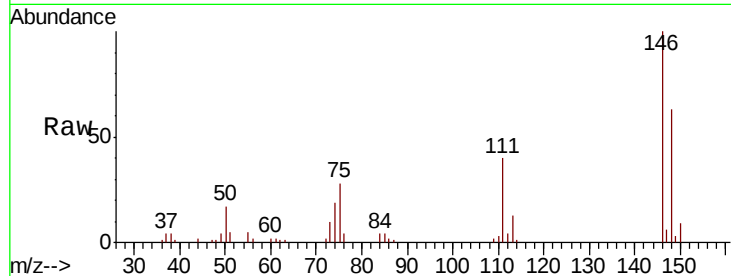
#87
 1,3-Dichlorobenzene
 Concen: 10.788 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

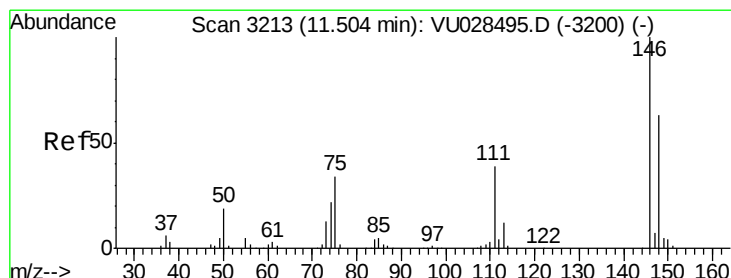
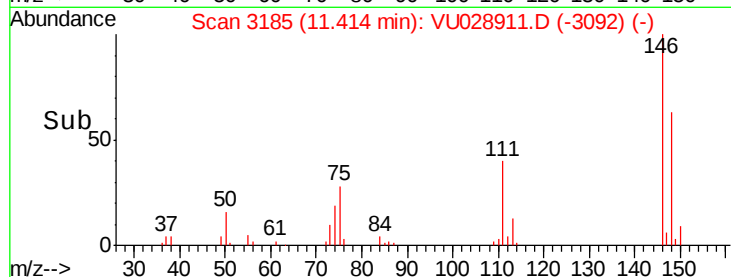
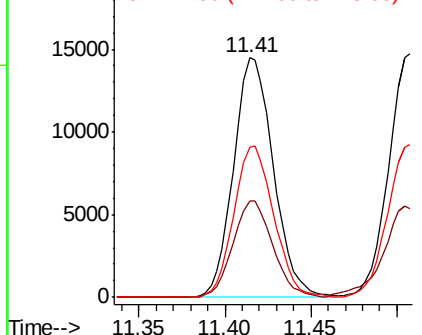
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.7	62.1
148	62.9	31.9	95.7

Manual Integrations
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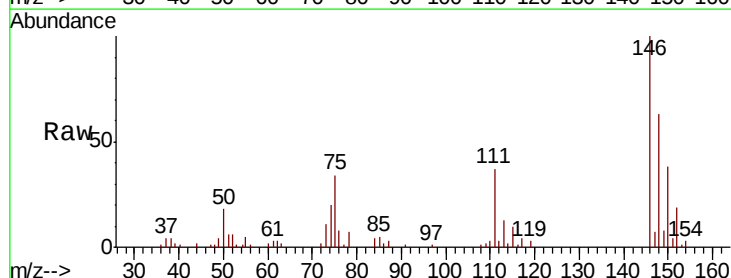


Abundance Ion 145.90 (145.60 to 146.60): V
 20000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

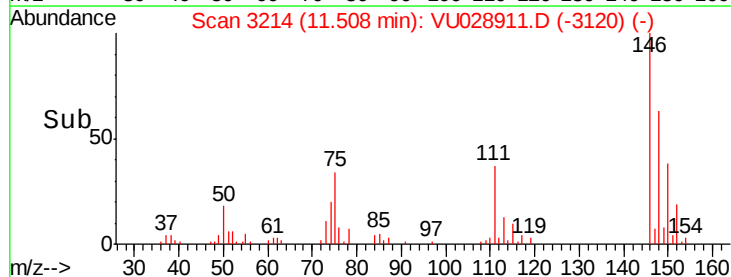
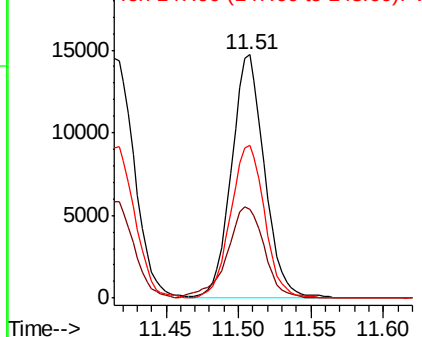


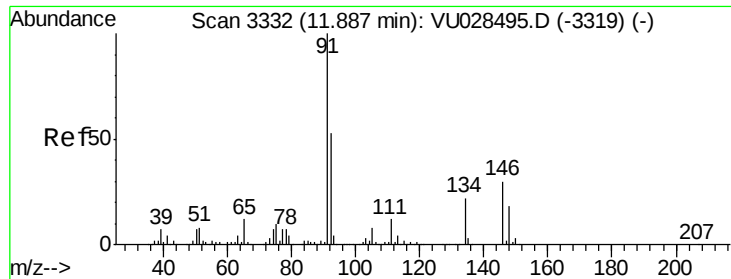
#88
 1,4-Dichlorobenzene
 Concen: 10.368 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.5
148	64.8	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 20000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





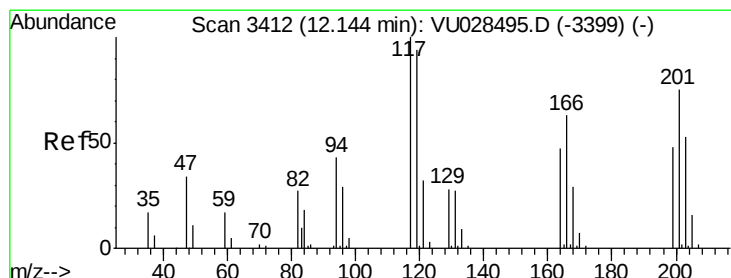
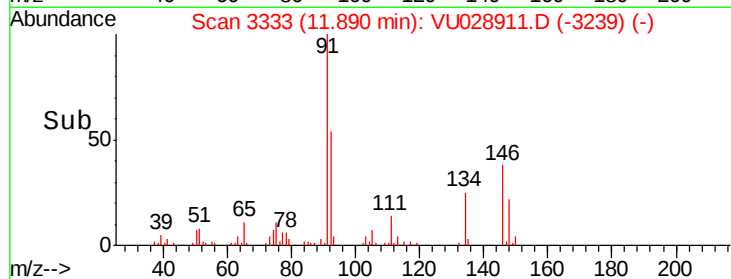
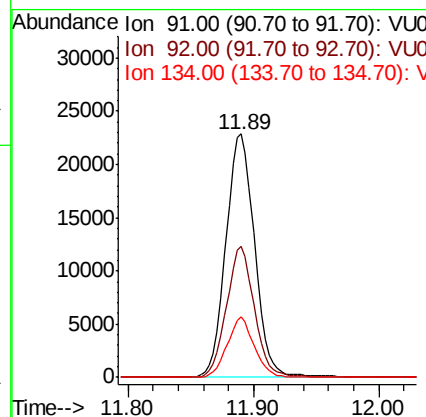
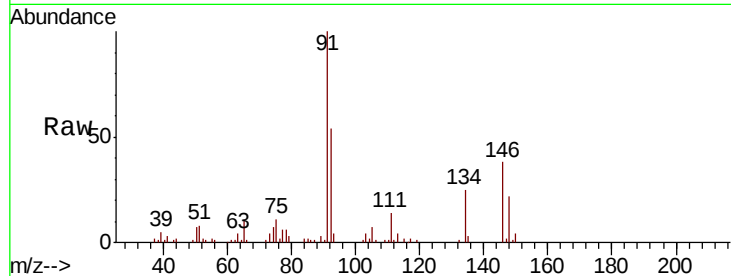
#89
n-Butylbenzene
Concen: 8.388 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	23.0	11.3	33.8

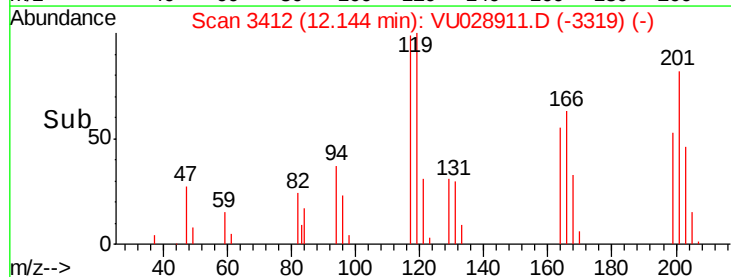
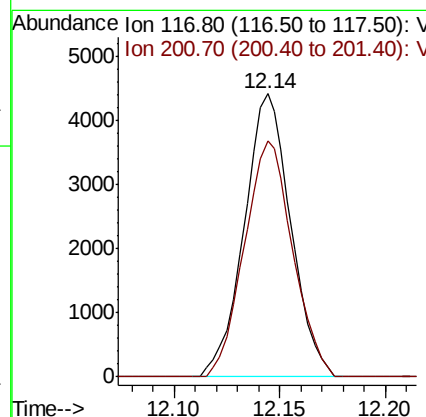
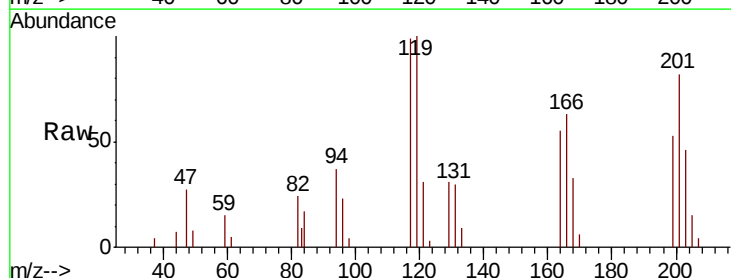
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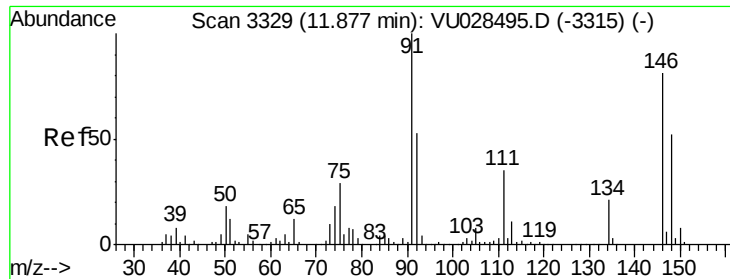
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12/24/2018 11:48:44 AM



#90
Hexachloroethane
Concen: 10.461 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	38.1	114.5





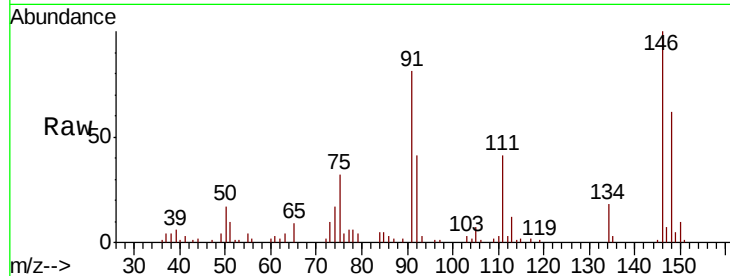
#91
 1,2-Dichlorobenzene
 Concen: 10.997 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBS01

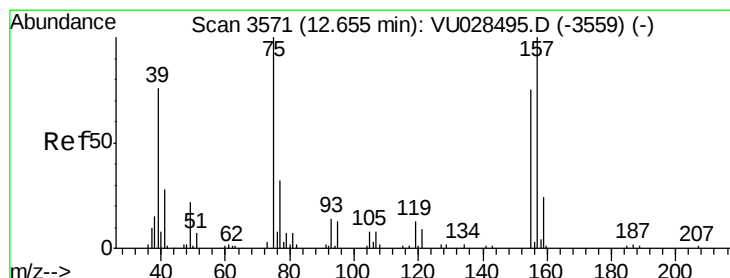
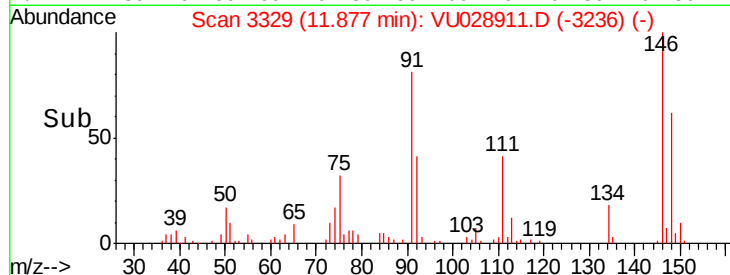
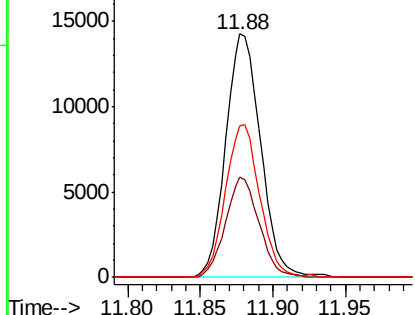
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.1	63.4
148	61.4	31.4	94.2

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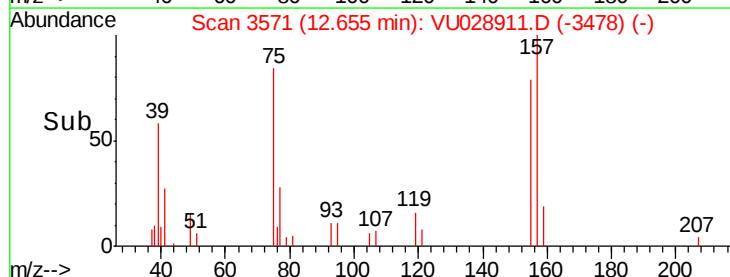
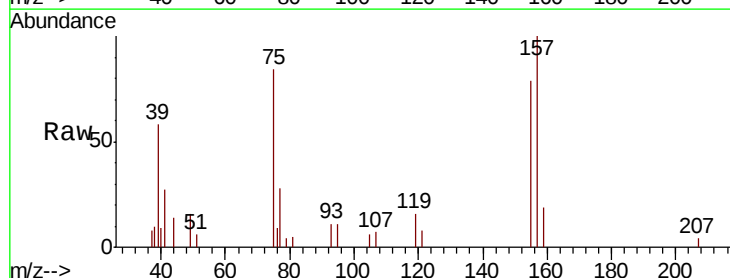
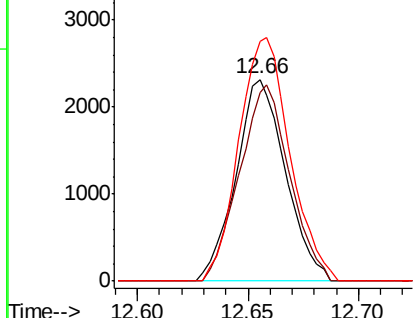
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

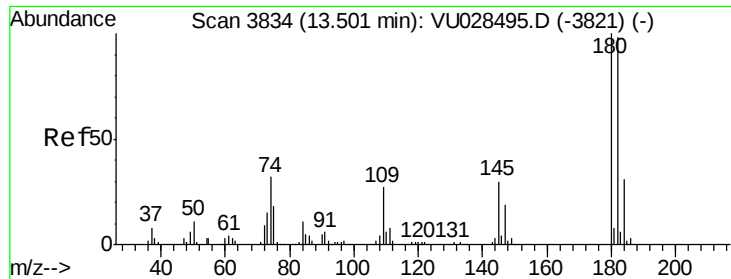


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.837 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028911.D
 Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	38.1	114.5
157	124.5	48.7	146.1

Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





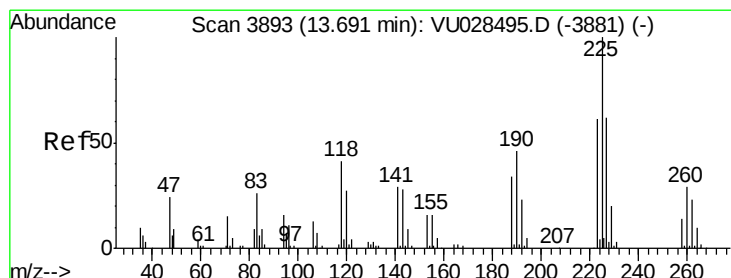
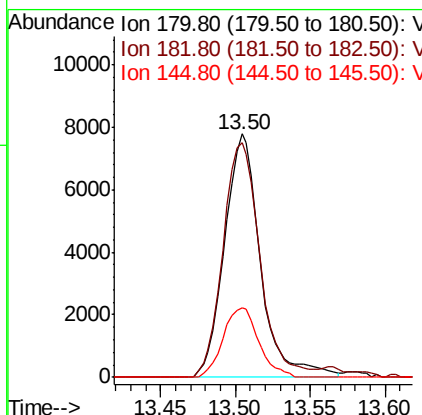
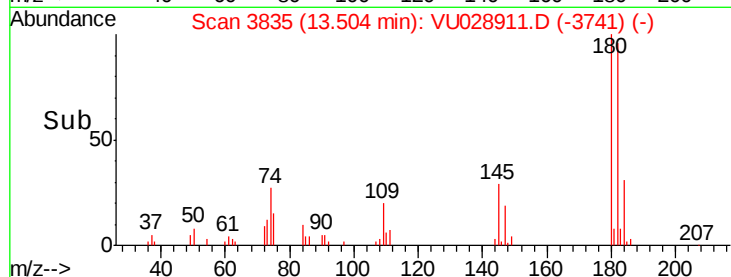
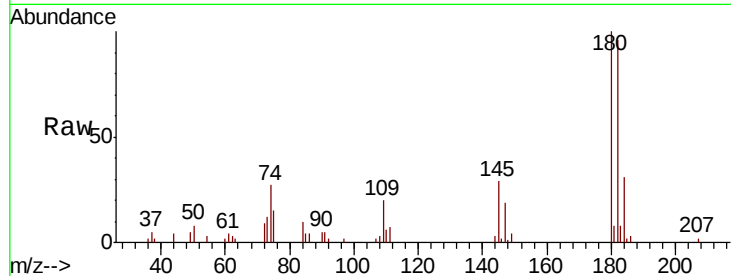
#93
1,2,4-Trichlorobenzene
Concen: 9.442 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.9	143.8
145	28.2	15.0	45.1

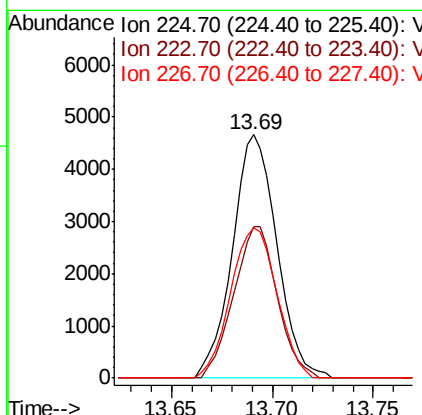
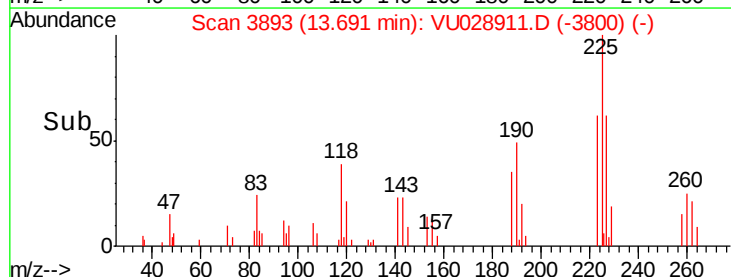
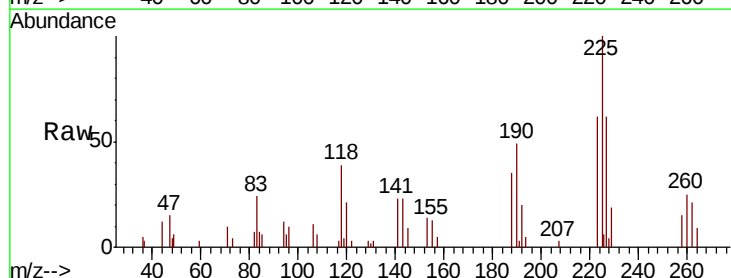
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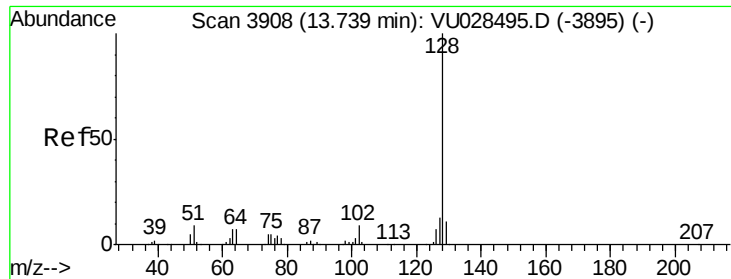
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#94
Hexachlorobutadiene
Concen: 10.130 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.4	91.2
227	64.3	30.7	92.1





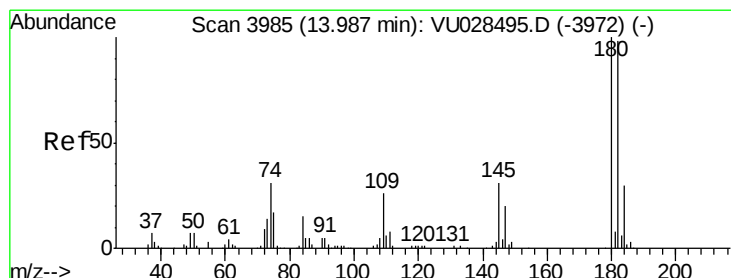
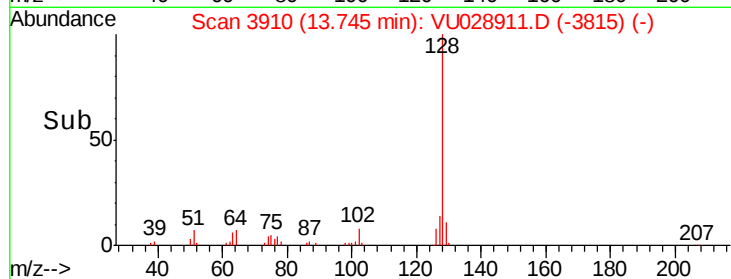
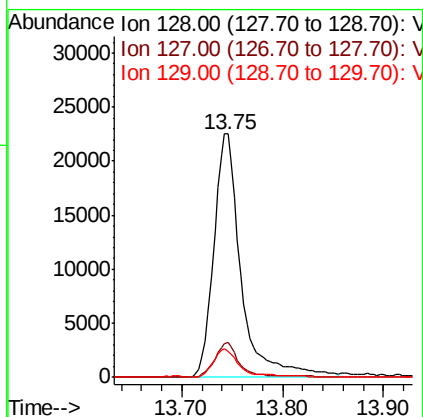
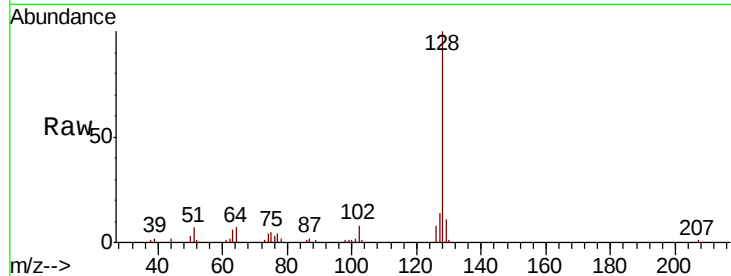
#95
Naphthalene
Concen: 8.151 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.01 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.1	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 9.750 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU028911.D
Acq: 22 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.2	144.6
145	31.2	15.8	47.3

