

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110818\
 Data File : VU028012.D
 Acq On : 08 Nov 2018 09:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 12:02:58 PM

Quant Time: Nov 08 10:13:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	186473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315345	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	146667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	130220	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	4.88	113	99062	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	7.57	98	377113	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	10.31	95	141587	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	90238	38.084	ug/l	97
3) Chloromethane	1.33	50	120122	41.918	ug/l	100
4) Vinyl Chloride	1.40	62	122058	42.915	ug/l	99
5) Bromomethane	1.62	94	54327	46.911	ug/l	99
6) Chloroethane	1.69	64	74161	45.247	ug/l	99
7) Trichlorofluoromethane	1.88	101	148192	45.090	ug/l	98
8) Diethyl Ether	2.11	74	65309	46.408	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	96348	49.348	ug/l	97
10) Methyl Iodide	2.41	142	70466	40.959	ug/l	98
11) Tert butyl alcohol	2.82	59	158099	215.410	ug/l	98
12) 1,1-Dichloroethene	2.29	96	85091	43.540	ug/l	98
13) Acrolein	2.20	56	41995	152.913	ug/l	97
14) Allyl chloride	2.59	41	209986	43.962	ug/l	99
15) Acrylonitrile	2.94	53	415429	230.427	ug/l	99
16) Acetone	2.32	43	392846	228.386	ug/l	100
17) Carbon Disulfide	2.48	76	253112	39.623	ug/l	100
18) Methyl Acetate	2.61	43	216536	45.763	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	363563	46.130	ug/l	99
20) Methylene Chloride	2.70	84	111366	44.343	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	95630	42.401	ug/l	94
22) Diisopropyl ether	3.57	45	456615	46.304	ug/l	99
23) Vinyl Acetate	3.52	43	1968347	232.253	ug/l	100
24) 1,1-Dichloroethane	3.45	63	221634	45.122	ug/l	99
25) 2-Butanone	4.26	43	621502	227.115	ug/l	98
26) 2,2-Dichloropropane	4.23	77	176504	47.884	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	119663	47.313	ug/l	100
28) Bromochloromethane	4.55	49	98267	42.675	ug/l	99
29) Tetrahydrofuran	4.64	42	389209	213.000	ug/l	99
30) Chloroform	4.67	83	203182	45.115	ug/l	99
31) Cyclohexane	5.00	56	211101	43.579	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	165350	46.122	ug/l	99
36) 1,1-Dichloropropene	5.14	75	152668	46.225	ug/l	99
37) Ethyl Acetate	4.38	43	219094	45.275	ug/l	99
38) Carbon Tetrachloride	5.14	117	134976	46.116	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	186686	46.865	ug/l	99
40) Benzene	5.39	78	465162	46.066	ug/l	99
41) Methacrylonitrile	4.54	41	124894	48.361	ug/l	99
42) 1,2-Dichloroethane	5.40	62	166860	46.489	ug/l	98
43) Isopropyl Acetate	5.55	43	357026	47.091	ug/l	100
44) Trichloroethene	6.19	130	102287	47.125	ug/l	98
45) 1,2-Dichloropropane	6.43	63	138681	47.622	ug/l	98
46) Dibromomethane	6.56	93	79631	47.572	ug/l	98
47) Bromodichloromethane	6.76	83	155736	48.278	ug/l	99
48) Methyl methacrylate	6.62	41	177897	47.882	ug/l	99
49) 1,4-Dioxane	6.61	88	59284	978.033	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1157433	228.595	ug/l	99
52) Toluene	7.64	92	278380	46.894	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	187629	46.973	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	199621	50.199	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116075	48.061	ug/l	96
56) Ethyl methacrylate	8.02	69	211141	49.574	ug/l	99
57) 1,3-Dichloropropane	8.24	76	212668	48.340	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	503188	220.591	ug/l	100
59) 2-Hexanone	8.36	43	917249	234.226	ug/l	99
60) Dibromochloromethane	8.48	129	116356	50.912	ug/l	98
61) 1,2-Dibromoethane	8.58	107	123241	48.023	ug/l	99
64) Tetrachloroethene	8.23	164	89239	46.452	ug/l	100
65) Chlorobenzene	9.12	112	296826	47.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	104417	48.839	ug/l	99
67) Ethyl Benzene	9.25	91	541670	47.014	ug/l	99
68) m/p-Xylenes	9.38	106	399464	95.555	ug/l	98
69) o-Xylene	9.78	106	200482	47.492	ug/l	100
70) Styrene	9.79	104	329742	48.887	ug/l	100
71) Bromoform	9.96	173	88115	49.177	ug/l #	100
73) Isopropylbenzene	10.17	105	535064	47.092	ug/l	100
74) N-amyl acetate	10.01	43	325763	47.415	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	213457	46.574	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	215327m	53.674	ug/l	
77) Bromobenzene	10.45	156	125061	48.002	ug/l	99
78) n-propylbenzene	10.59	91	663011	48.749	ug/l	99
79) 2-Chlorotoluene	10.66	91	383193	47.005	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	455884	48.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	83029m	51.666	ug/l	
82) 4-Chlorotoluene	10.77	91	439932	47.535	ug/l	98
83) tert-Butylbenzene	11.10	119	439103	46.666	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	465700	49.136	ug/l	99
85) sec-Butylbenzene	11.32	105	559991	48.935	ug/l	100
86) p-Isopropyltoluene	11.48	119	476195	49.777	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	233923	48.604	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	233759	47.387	ug/l	99
89) n-Butylbenzene	11.89	91	472762	51.999	ug/l	100
90) Hexachloroethane	12.14	117	83192	48.845	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	232988	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	46220	47.860	ug/l	99

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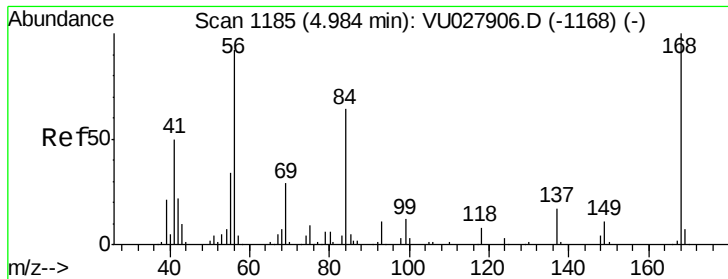
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	160202	47.235	ug/l	100
94) Hexachlorobutadiene	13.69	225	76967	50.036	ug/l	99
95) Naphthalene	13.74	128	561177	46.633	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	164170	50.549	ug/l	99

(#) = 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: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 186473

Ion Ratio Lower Upper

168 100

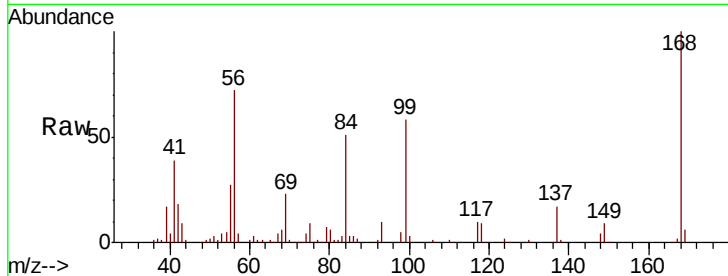
99 57.5 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

80000

60000

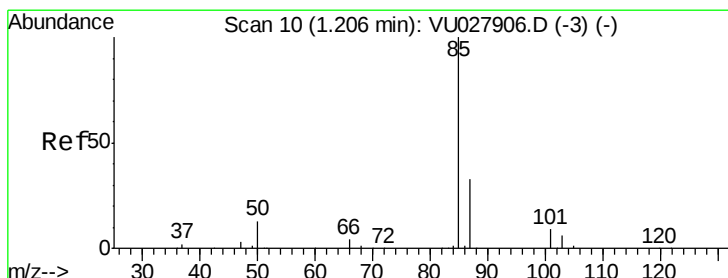
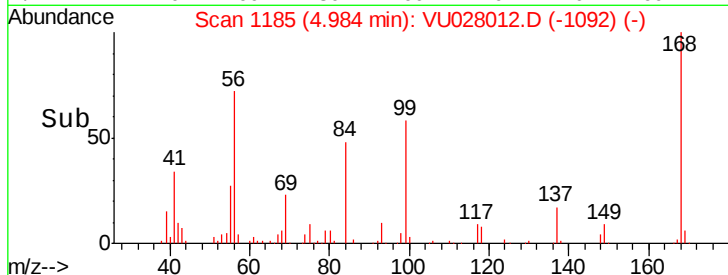
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.084 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028012.D

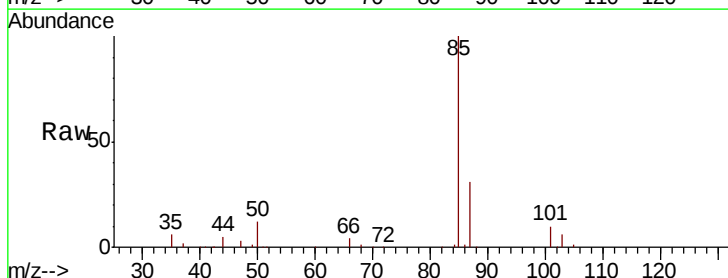
Acq: 08 Nov 2018 09:34

Tgt Ion: 85 Resp: 90238

Ion Ratio Lower Upper

85 100

87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

80000

60000

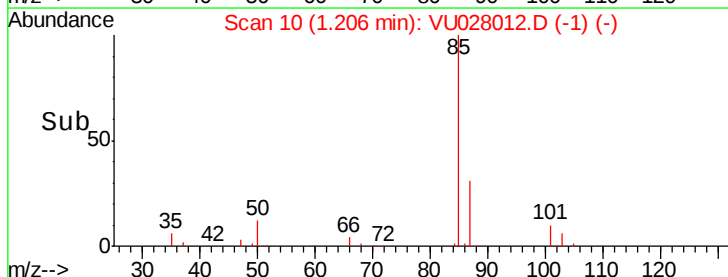
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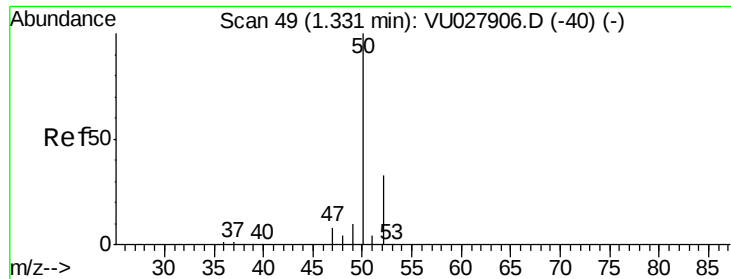
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 41.918 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 120122

Ion Ratio Lower Upper

50 100

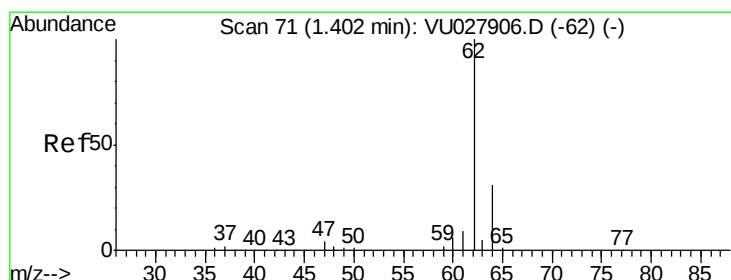
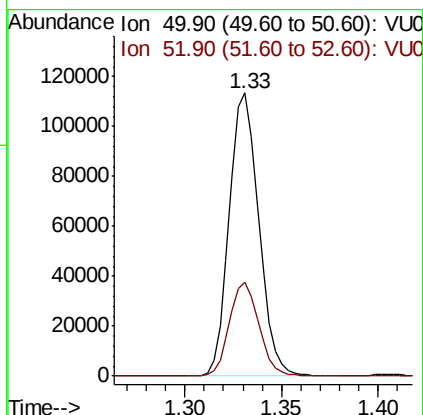
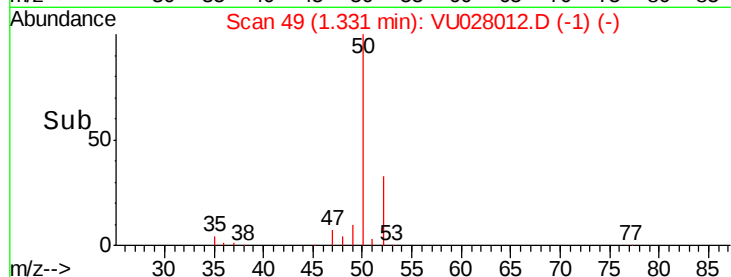
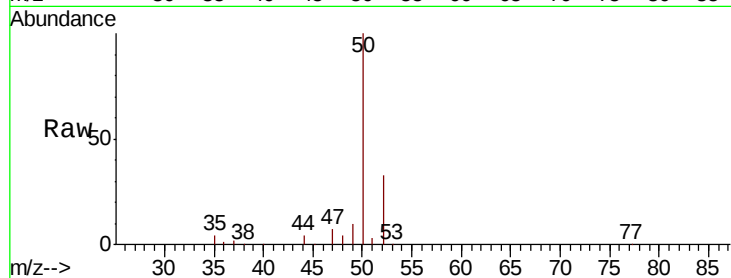
52 33.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.915 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028012.D

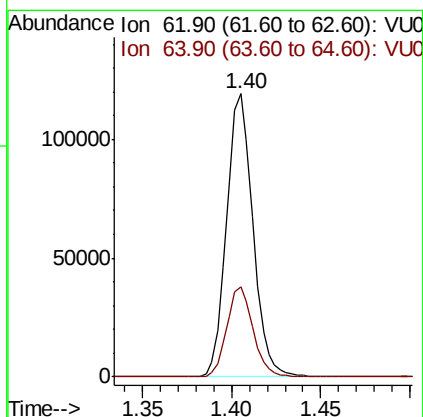
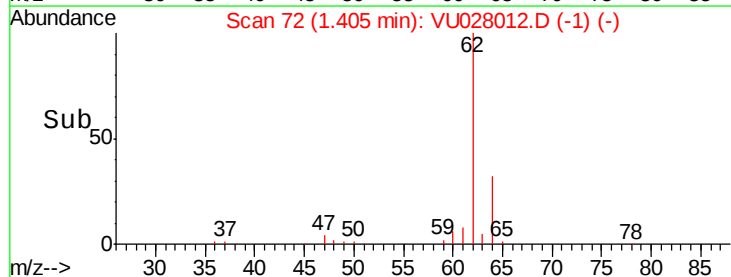
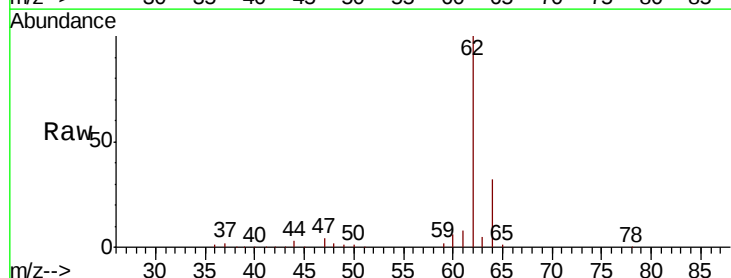
Acq: 08 Nov 2018 09:34

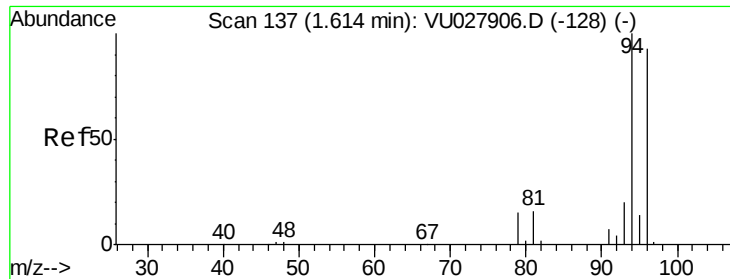
Tgt Ion: 62 Resp: 122058

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





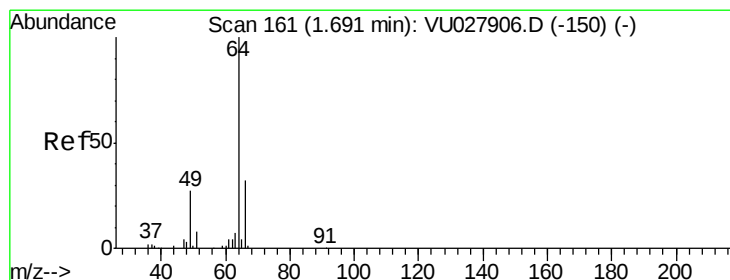
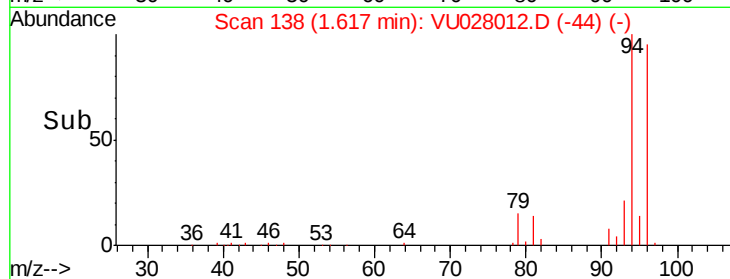
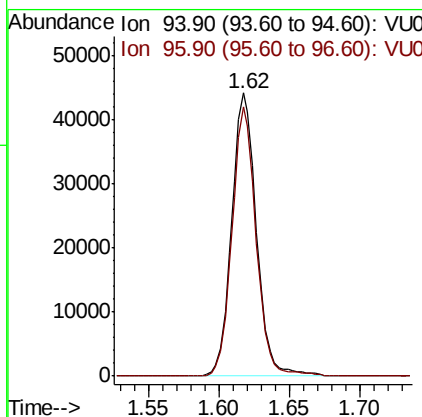
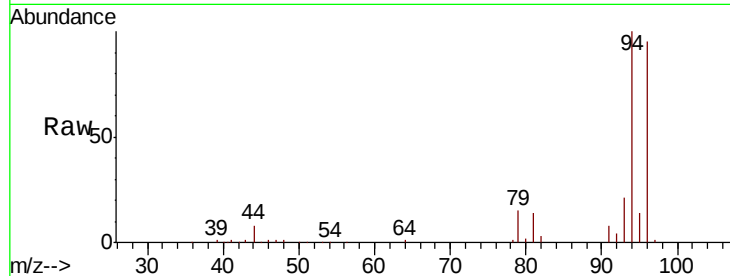
#5
Bromomethane
Concen: 46.911 ug/l
RT: 1.62 min Scan# 138
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 54327
Ion Ratio Lower Upper
94 100
96 94.9 74.8 112.2

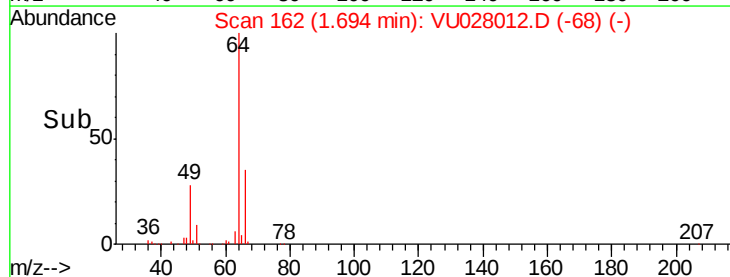
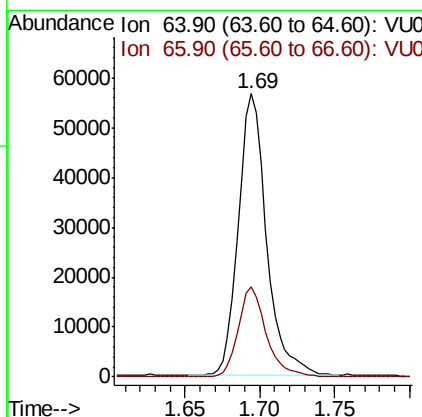
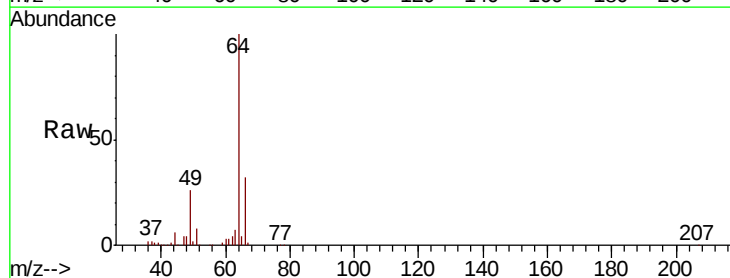
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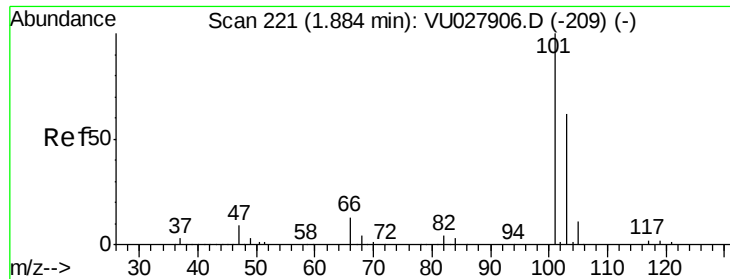
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#6
Chloroethane
Concen: 45.247 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion: 64 Resp: 74161
Ion Ratio Lower Upper
64 100
66 31.8 25.9 38.9





#7

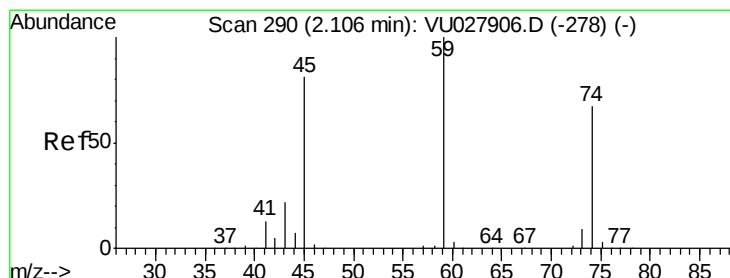
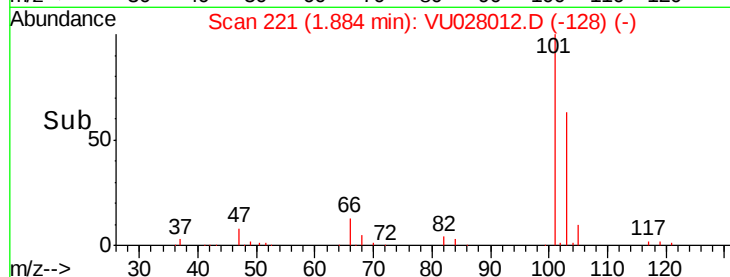
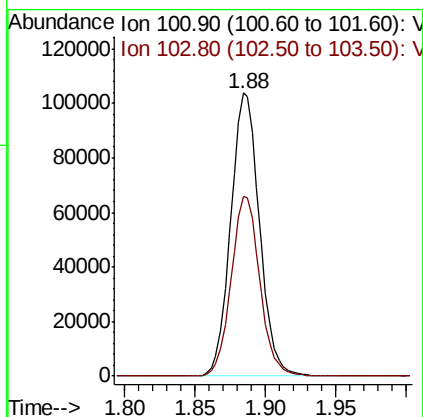
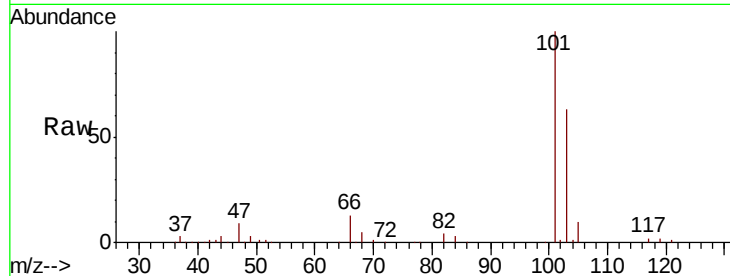
Trichlorofluoromethane
Concen: 45.090 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.4	74.2

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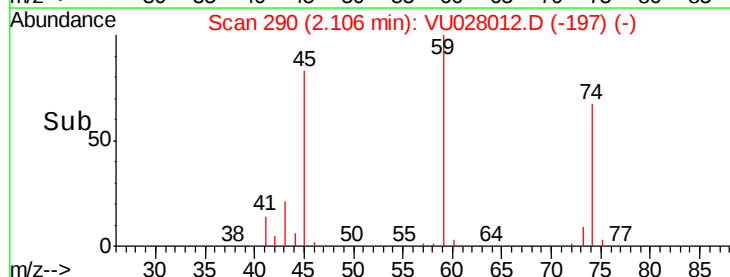
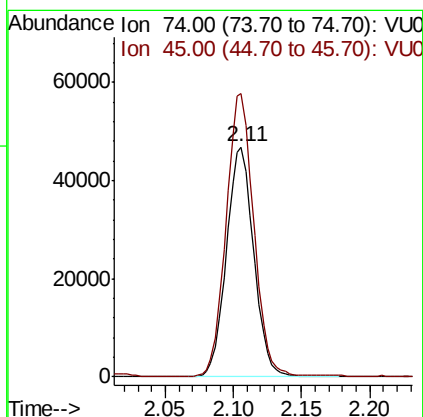
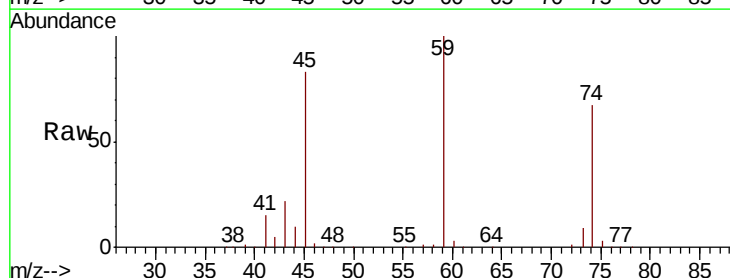
MMDadoda
11/9/2018 12:02:58 PM

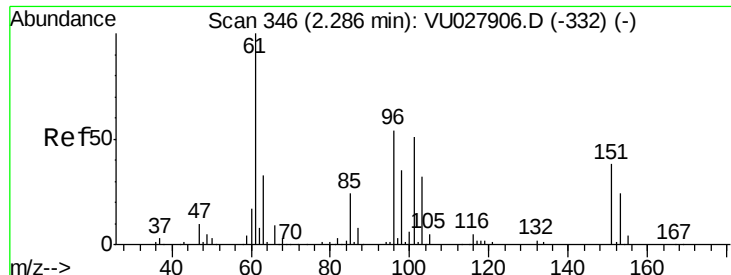


#8

Diethyl Ether
Concen: 46.408 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.0	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.348 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

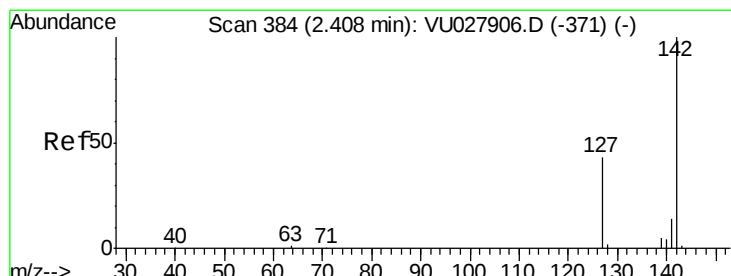
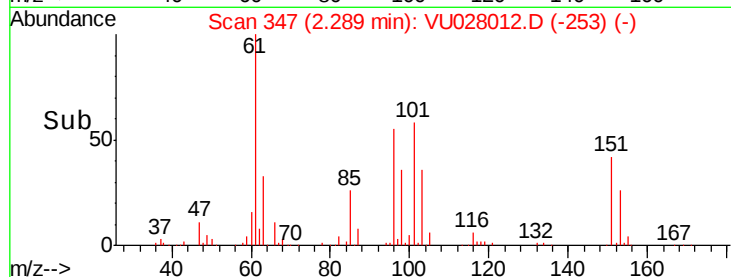
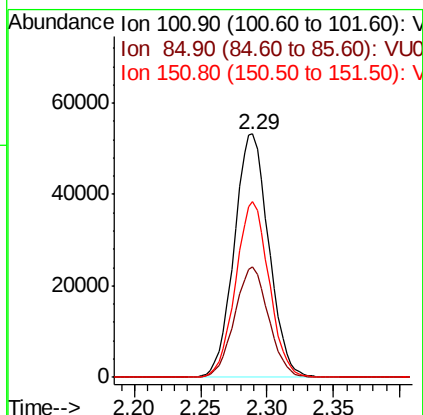
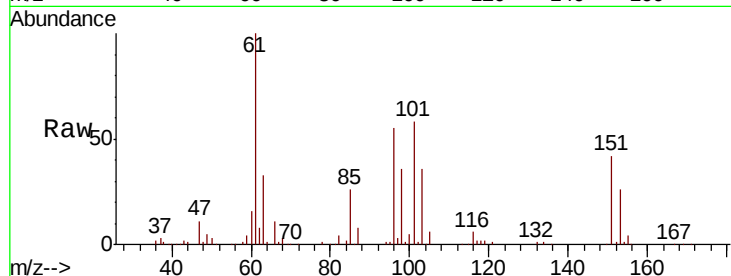
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	96348
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.9	55.3
151	69.9	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 40.959 ug/l

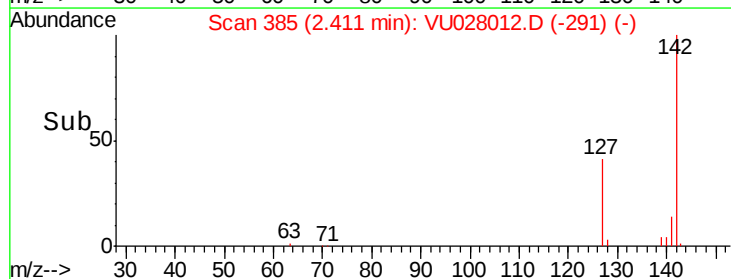
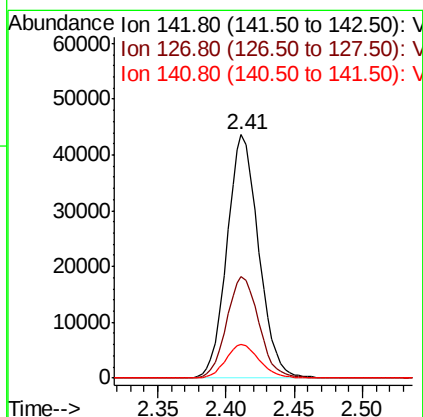
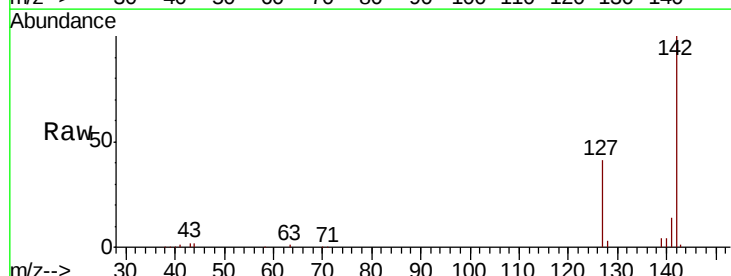
RT: 2.41 min Scan# 385

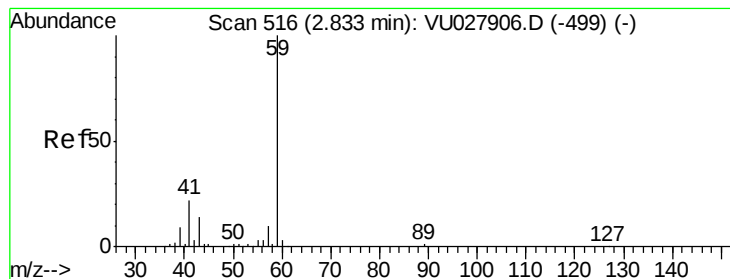
Delta R.T. 0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion:	142	Resp:	70466
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.2	52.8
141	14.5	11.8	17.8





#11

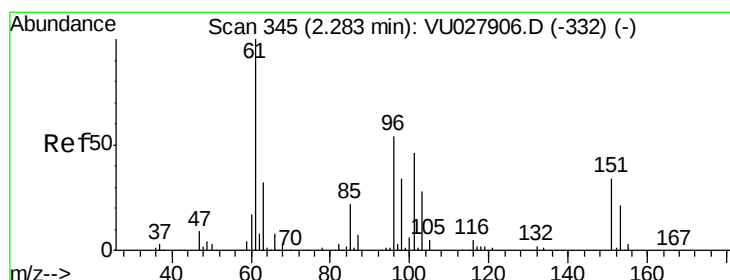
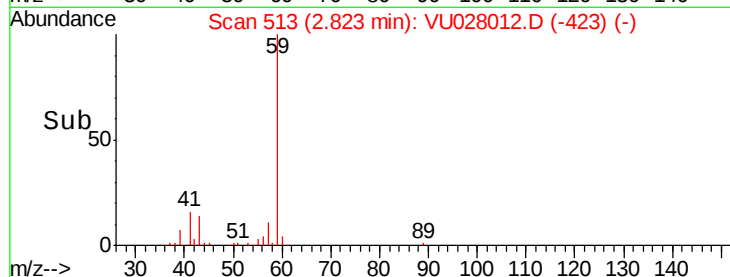
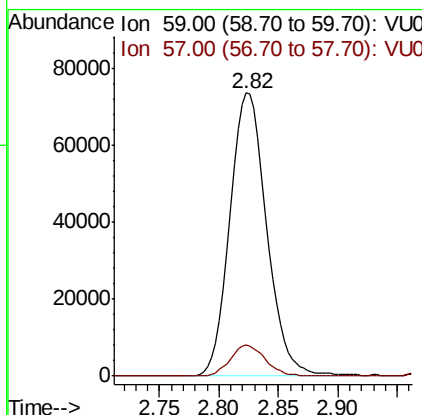
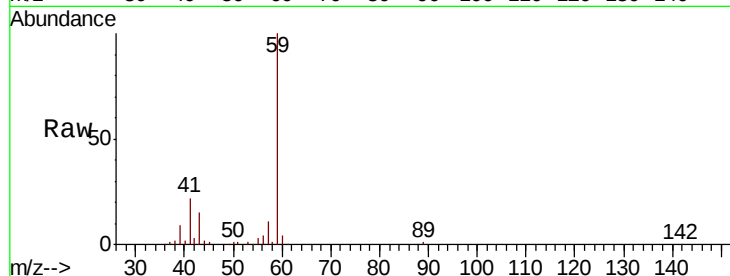
Tert butyl alcohol
 Concen: 215.410 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.8

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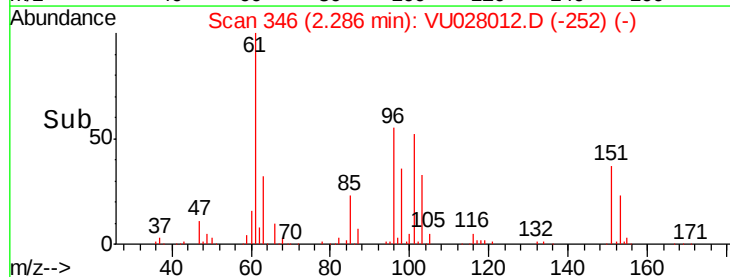
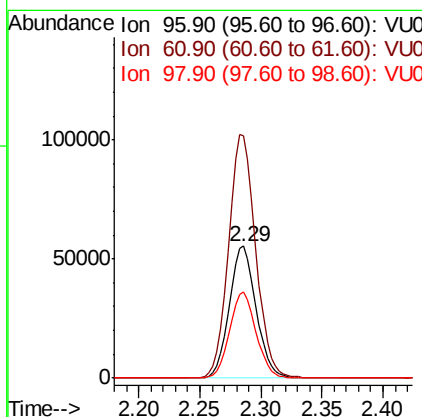
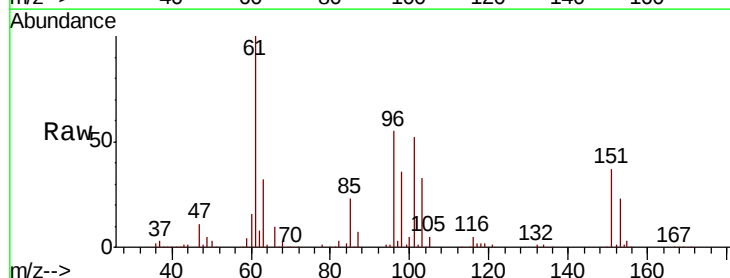
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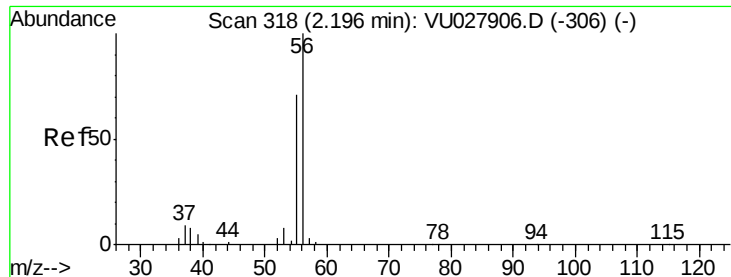


#12

1,1-Dichloroethene
 Concen: 43.540 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	149.3	223.9
98	65.4	50.6	75.8





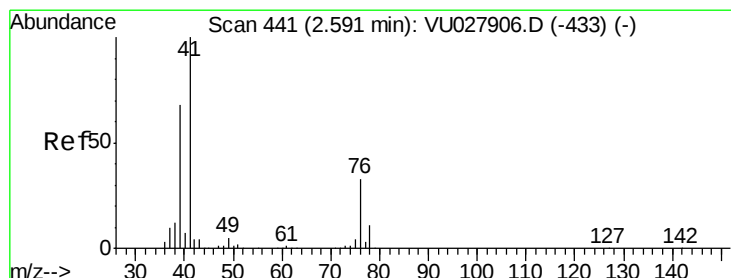
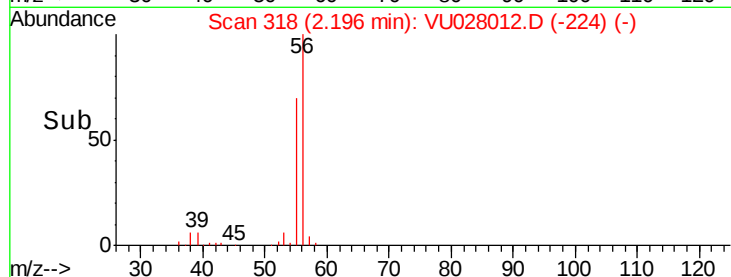
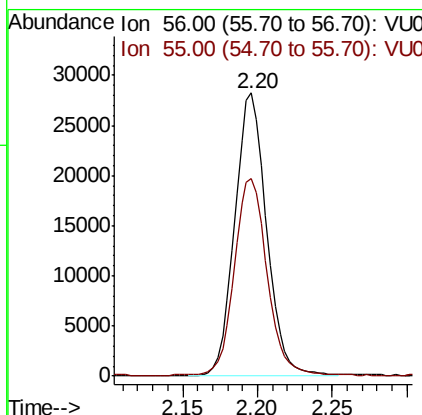
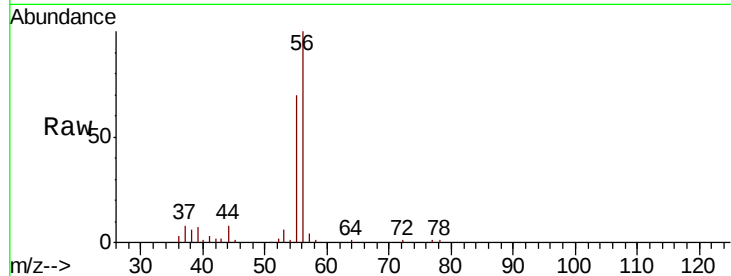
#13
Acrolein
Concen: 152.913 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
41995	100	72.4		56.2	84.4

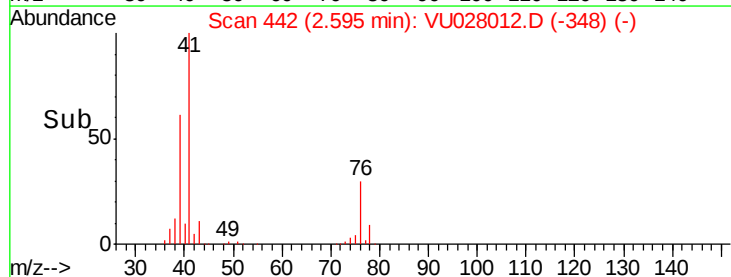
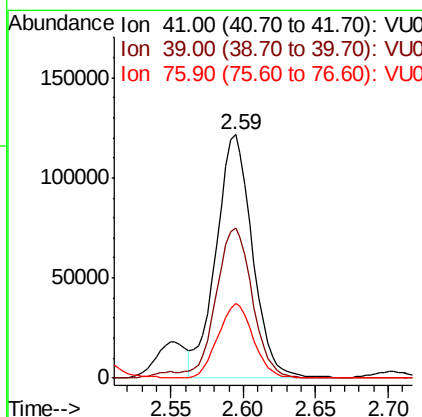
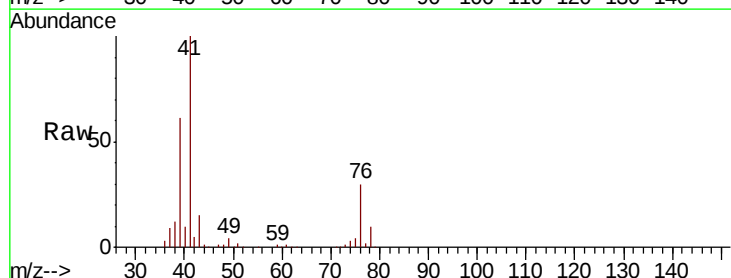
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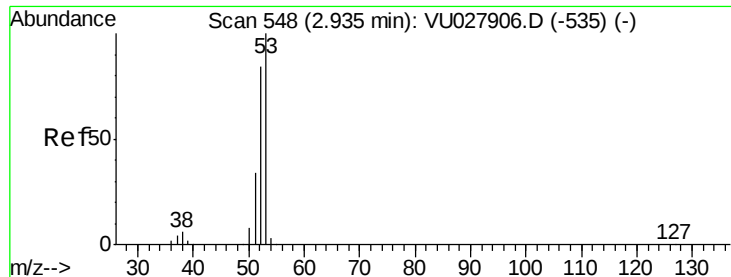
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#14
Allyl chloride
Concen: 43.962 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	41	39	76	Ratio	Lower	Upper
209986	100	63.8	29.6		51.9	77.9
					23.8	35.6





#15

Acrylonitrile

Concen: 230.427 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

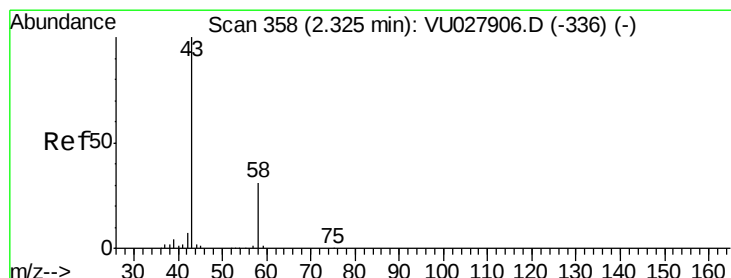
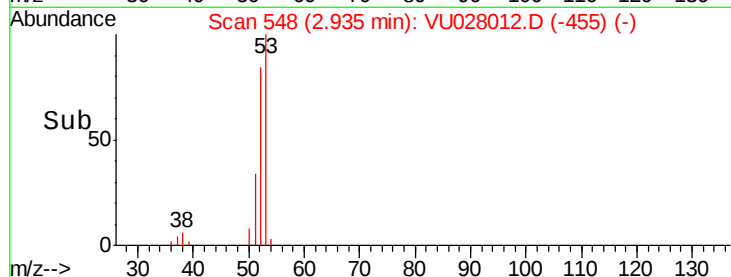
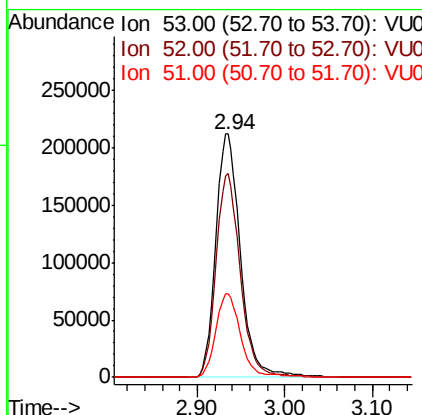
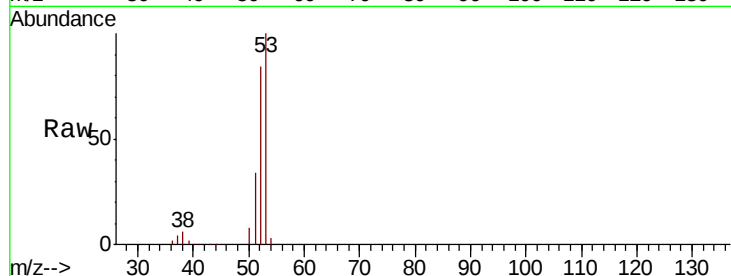
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	415429
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.7	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 228.386 ug/l

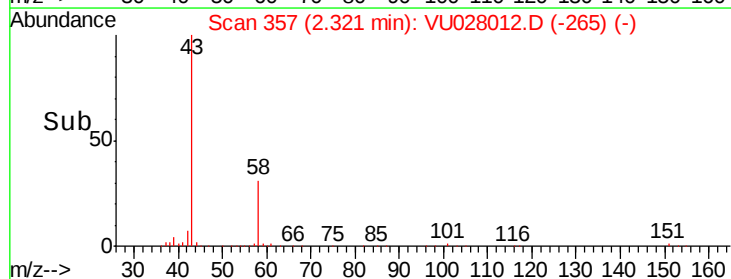
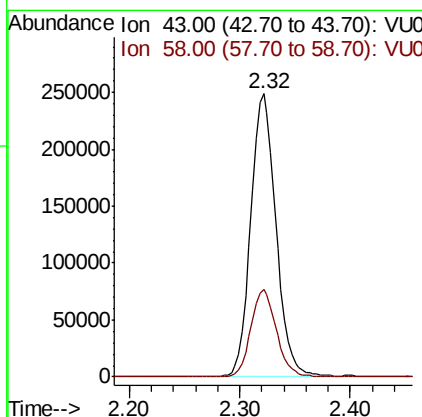
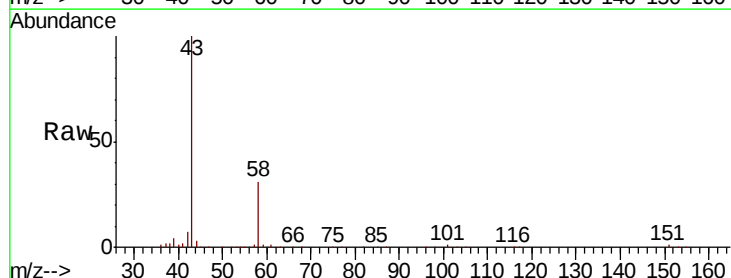
RT: 2.32 min Scan# 357

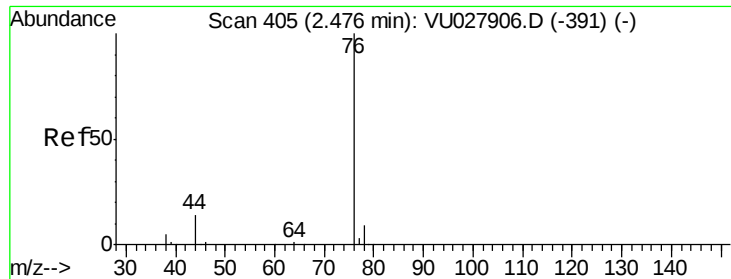
Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion:	43	Resp:	392846
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





#17

Carbon Disulfide

Concen: 39.623 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 253112

Ion Ratio Lower Upper

76 100

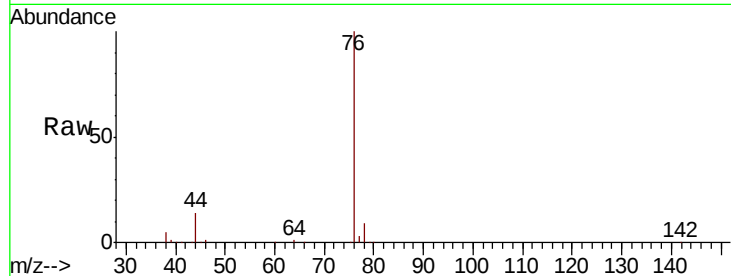
78 9.3 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU028012.D (-312) (-)

2.48

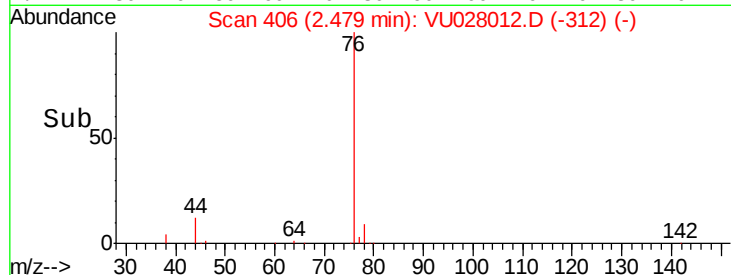
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.763 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028012.D

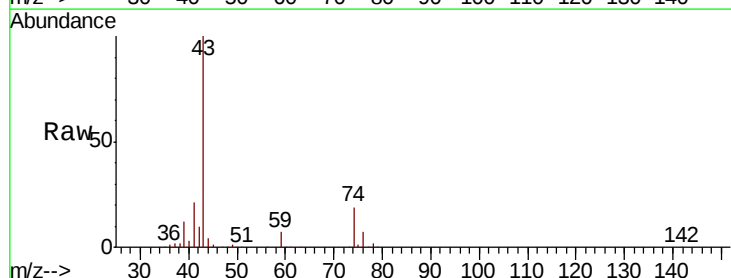
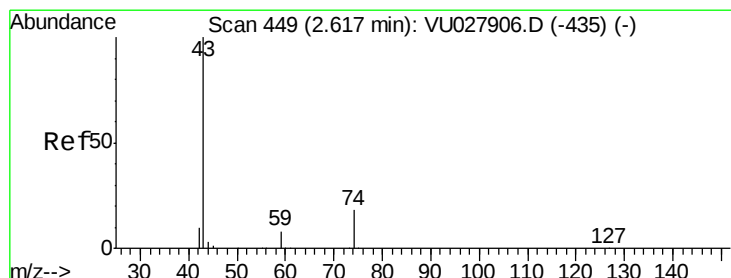
Acq: 08 Nov 2018 09:34

Tgt Ion: 43 Resp: 216536

Ion Ratio Lower Upper

43 100

74 19.2 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028012.D (-356) (-)

2.61

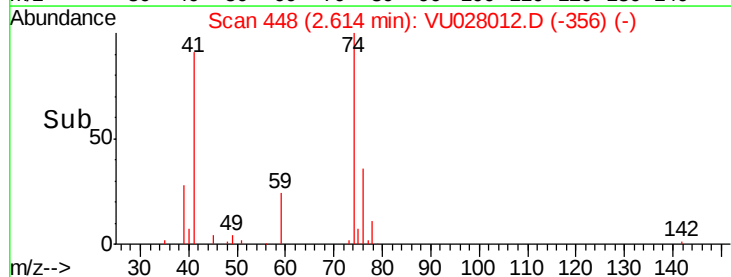
150000

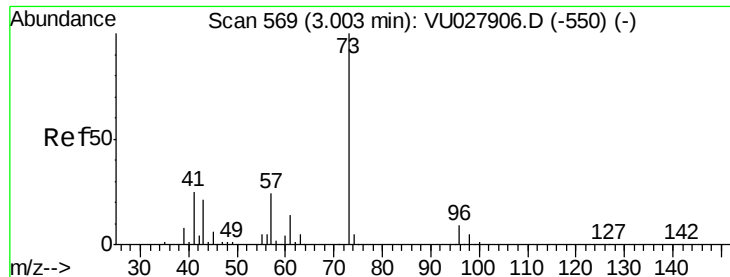
100000

50000

0

Time-->





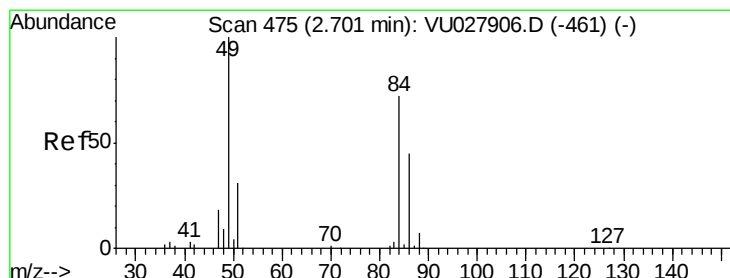
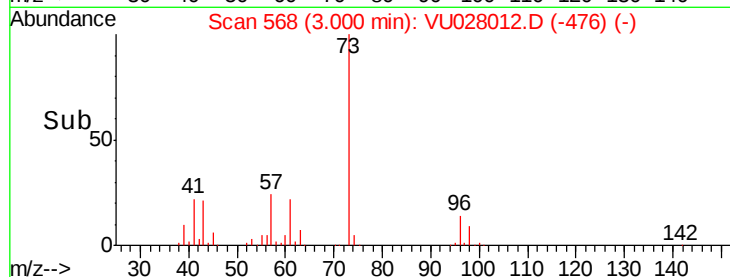
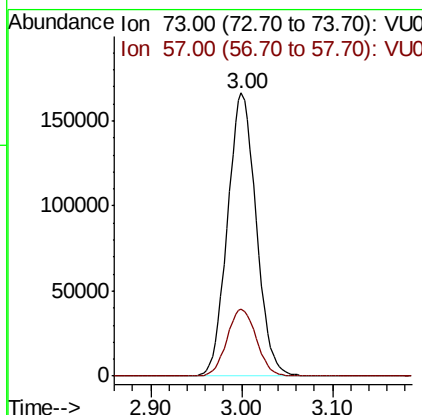
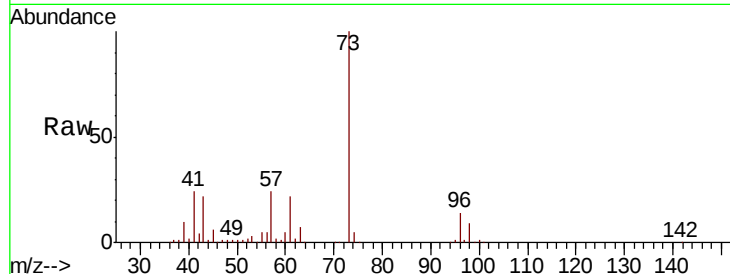
#19
Methvl tert-butvl Ether
Concen: 46.130 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 363563
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9

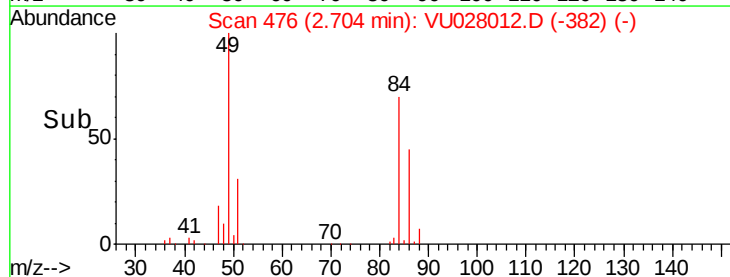
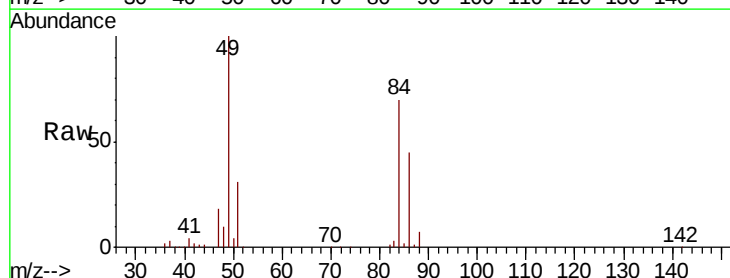
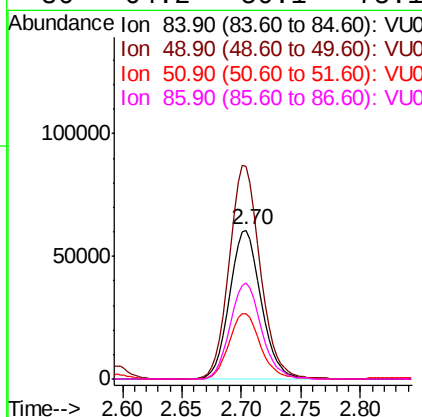
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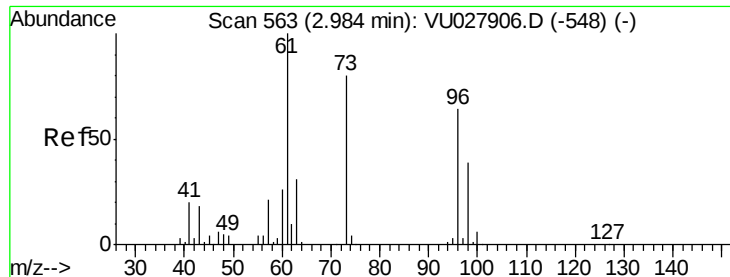
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#20
Methylene Chloride
Concen: 44.343 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion: 84 Resp: 111366
Ion Ratio Lower Upper
84 100
49 142.5 111.6 167.4
51 43.7 34.8 52.2
86 64.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 42.401 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 95630

Ion Ratio Lower Upper

96 100

61 164.8 125.0 187.6

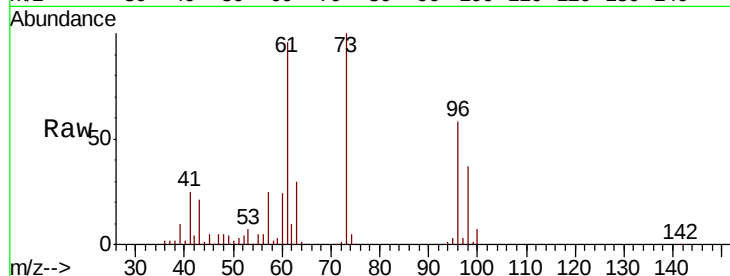
98 63.2 48.2 72.4

Manual Integrations

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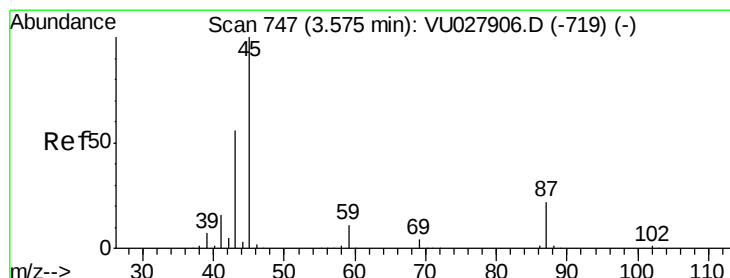
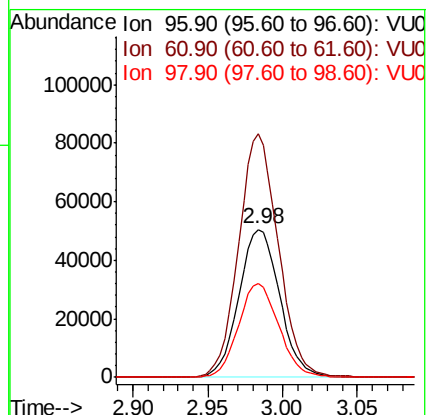
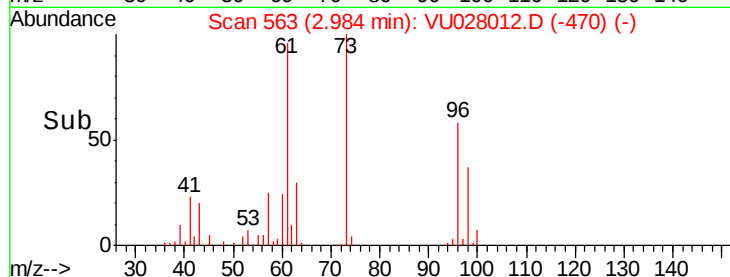


Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)

Time-->



#22

Diisopropyl ether

Concen: 46.304 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion: 45 Resp: 456615

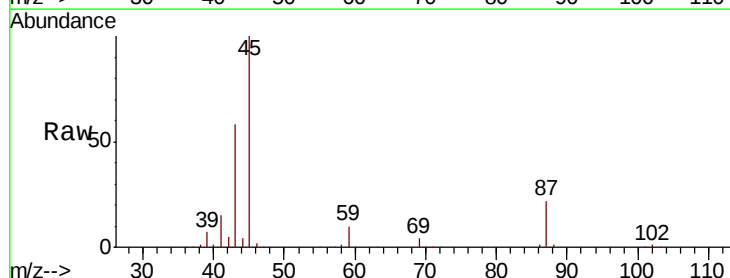
Ion Ratio Lower Upper

45 100

43 57.3 45.0 67.6

87 21.9 17.9 26.9

59 10.4 8.6 12.8



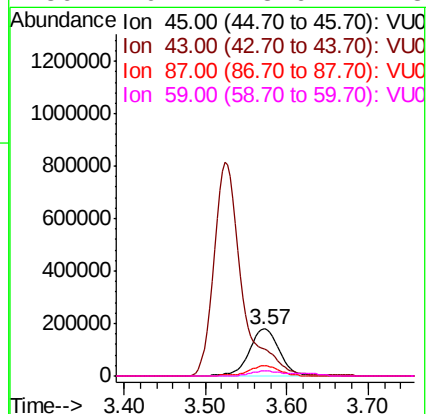
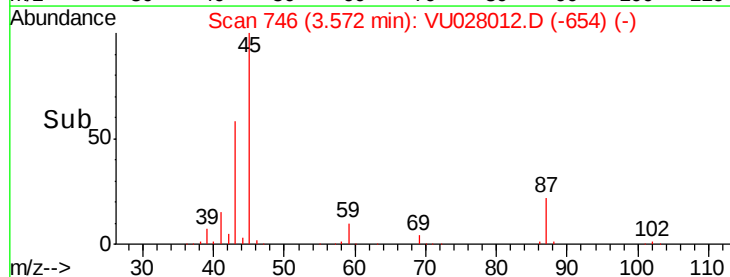
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

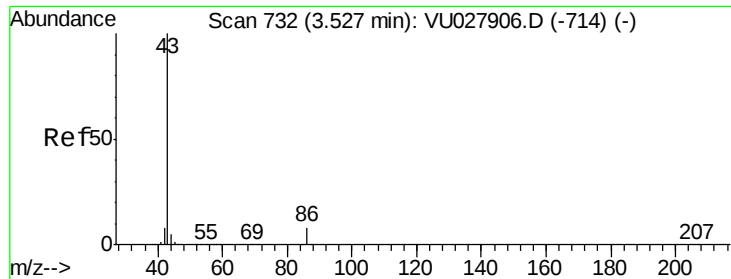
Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)

Time-->





#23

Vinyl Acetate

Concen: 232.253 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1968347

Ion Ratio Lower Upper

43 100

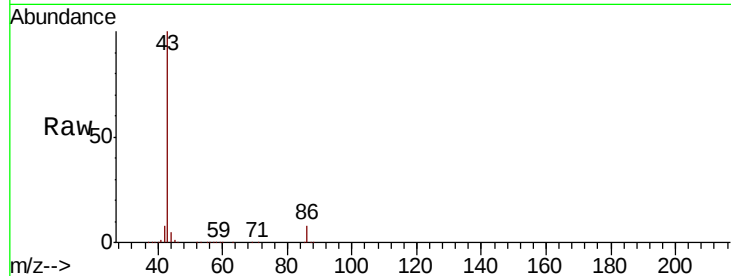
86 8.3 6.6 9.8

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Abundance Ion 43.00 (42.70 to 43.70): VU028012.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028012.D (-639) (-)

3.52

800000

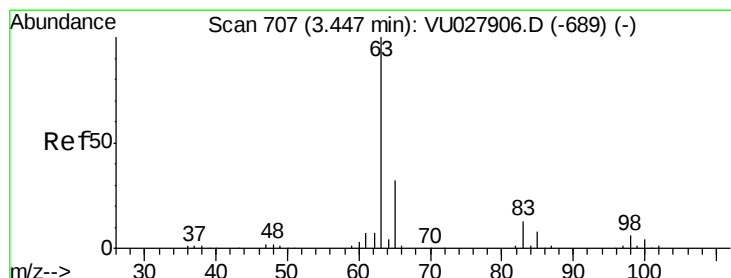
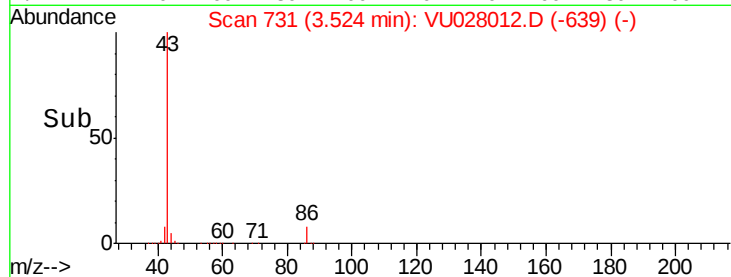
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.122 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

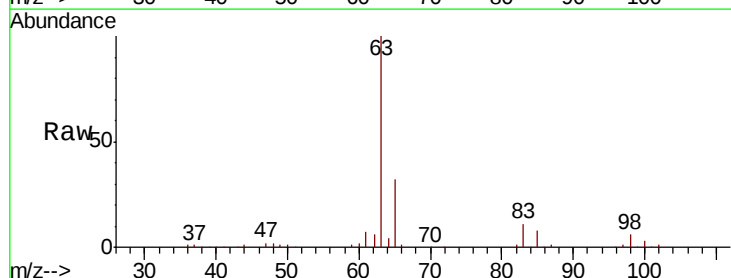
Tgt Ion: 63 Resp: 221634

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028012.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028012.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028012.D (-614) (-)

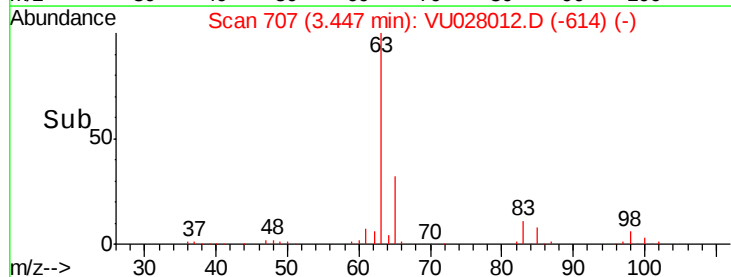
3.45

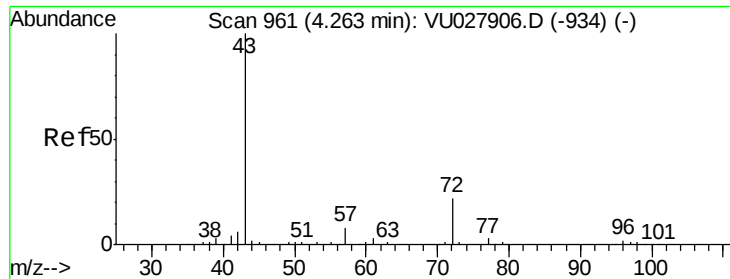
100000

50000

0

Time-->





#25

2-Butanone

Concen: 227.115 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 621502

Ion Ratio Lower Upper

43 100

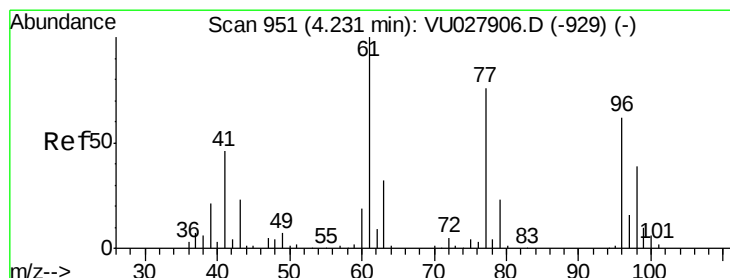
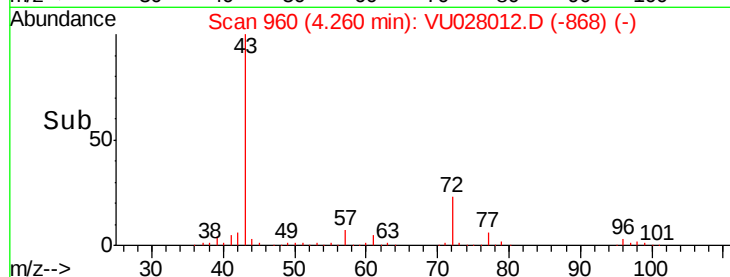
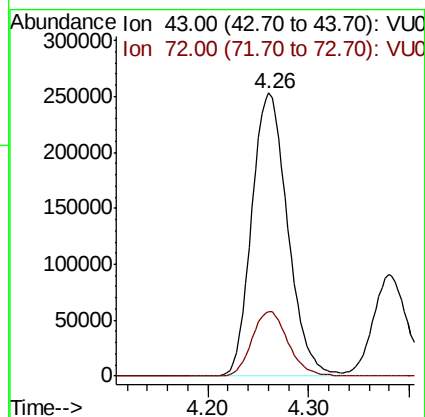
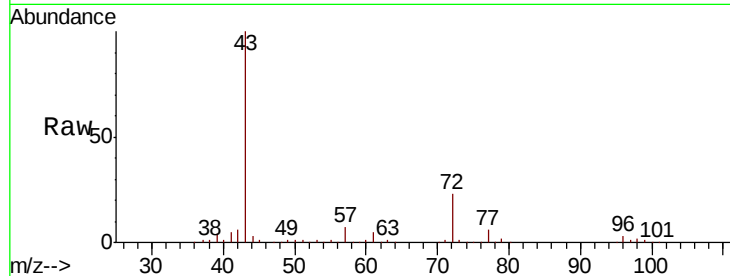
72 23.0 17.7 26.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.884 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028012.D

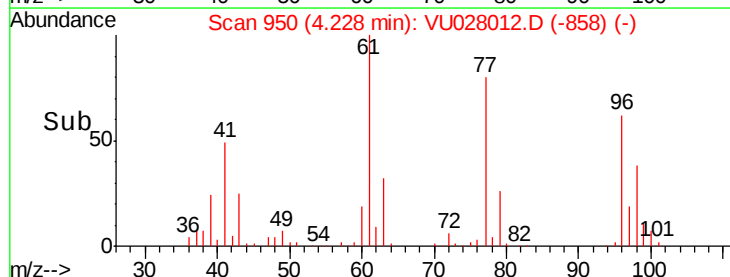
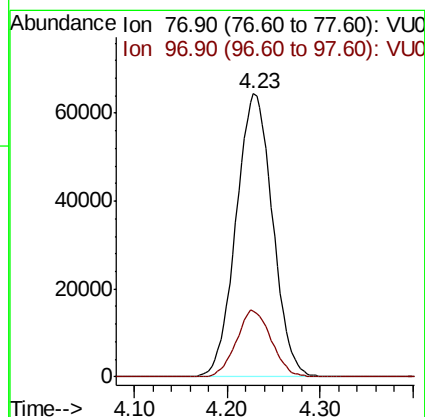
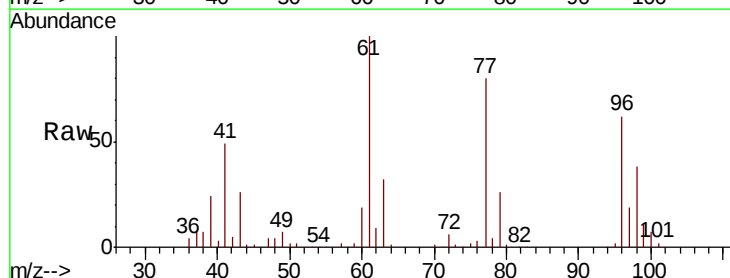
Acq: 08 Nov 2018 09:34

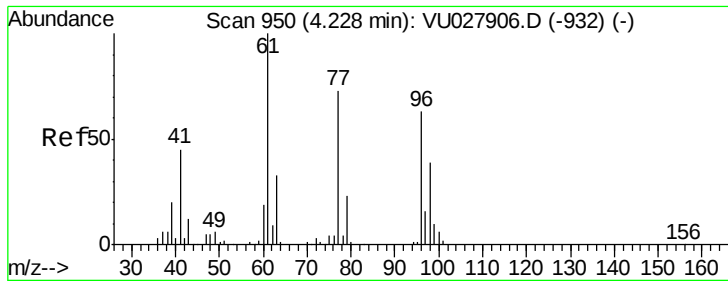
Tgt Ion: 77 Resp: 176504

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





#27

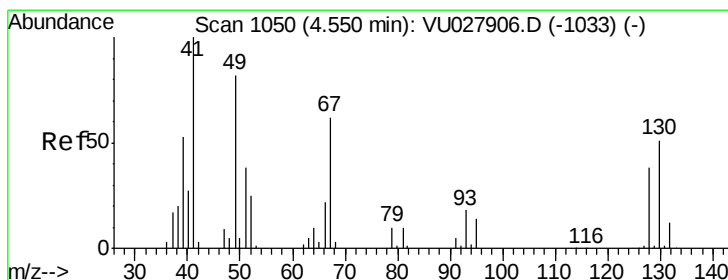
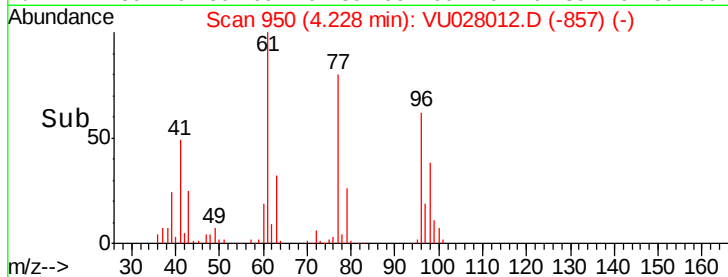
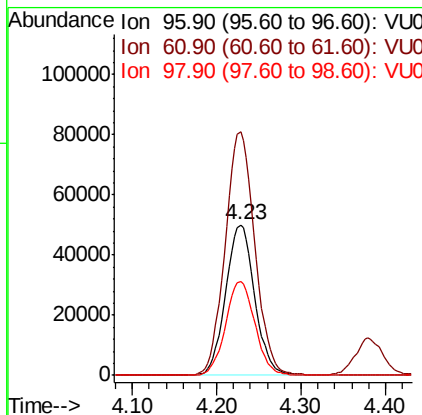
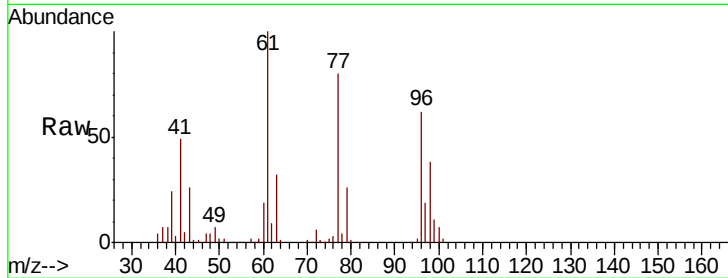
cis-1,2-Dichloroethene
Concen: 47.313 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.1	0.0	329.6	
98	63.1	0.0	127.2	

Manual Integrations
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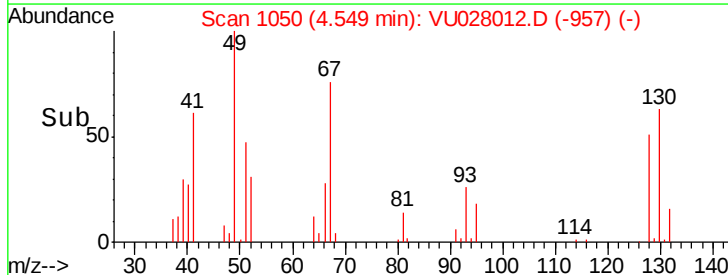
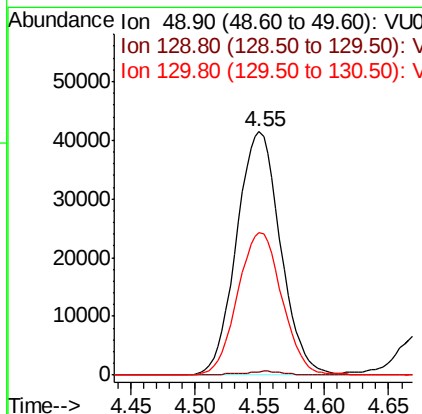
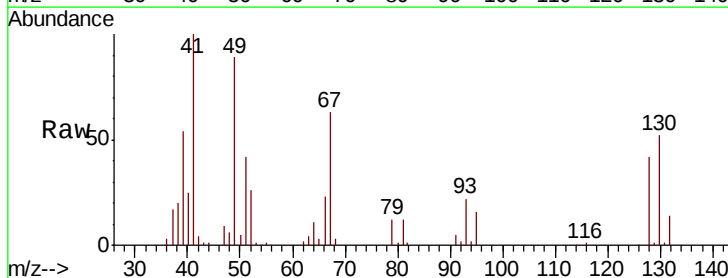
MMDadoda
11/9/2018 12:02:58 PM

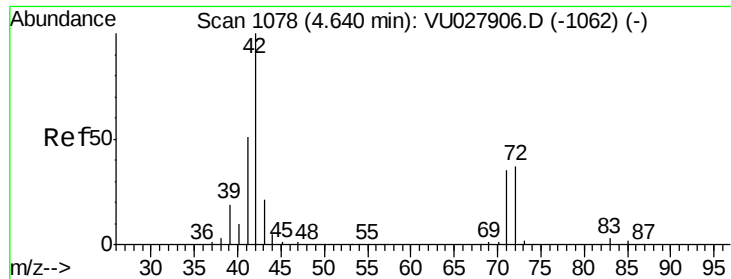


#28

Bromochloromethane
Concen: 42.675 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.0	
130	59.3	47.8	71.6	





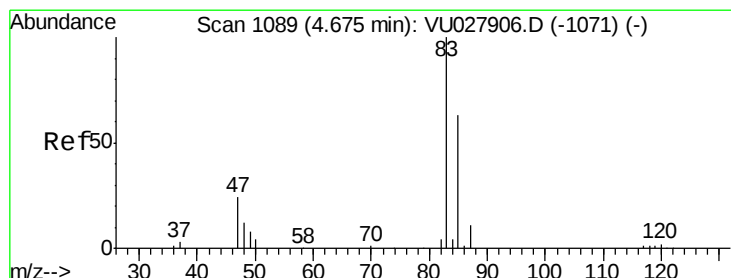
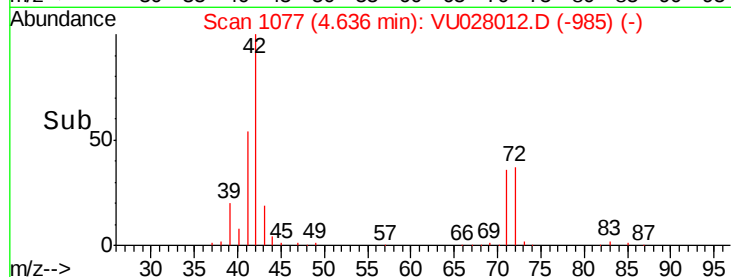
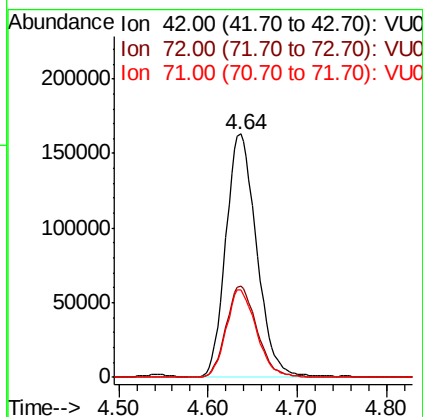
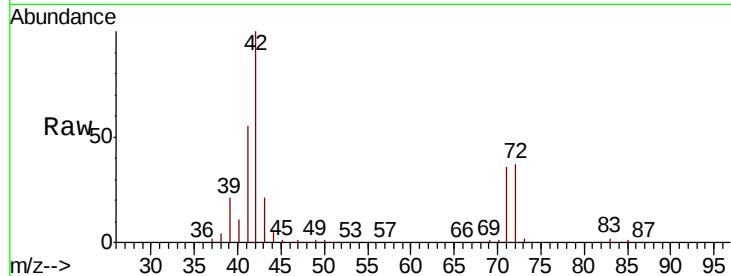
#29
Tetrahydrofuran
Concen: 213.000 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.4	44.0
71	35.6	27.9	41.9

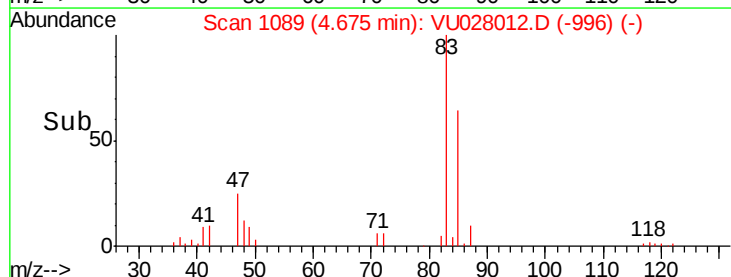
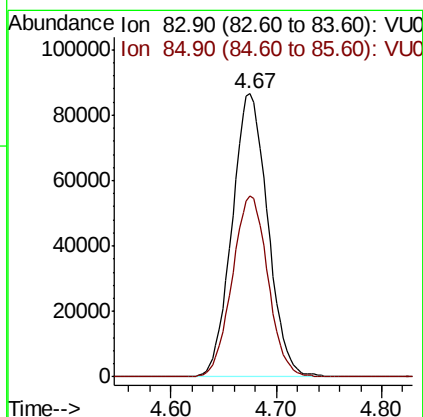
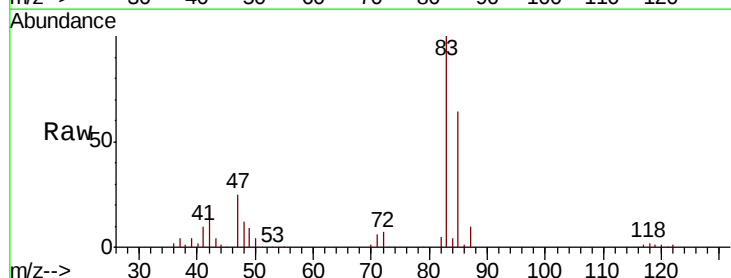
Manual Integrations
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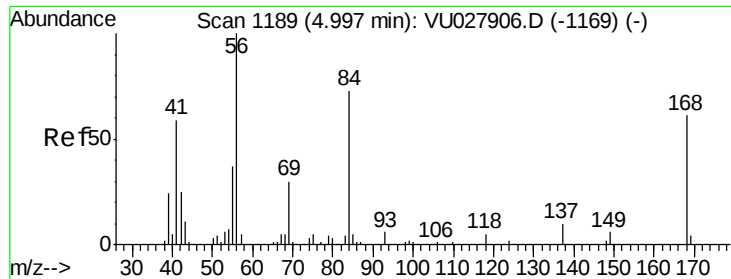
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#30
Chloroform
Concen: 45.115 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0





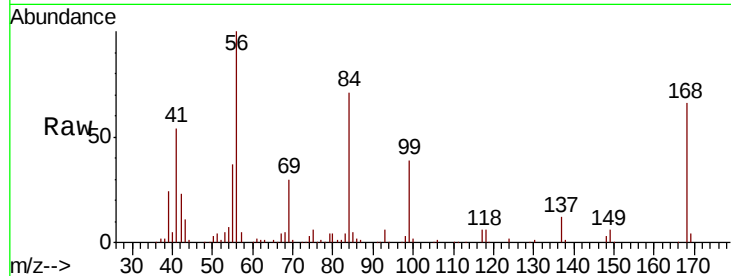
#31
Cyclohexane
Concen: 43.579 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

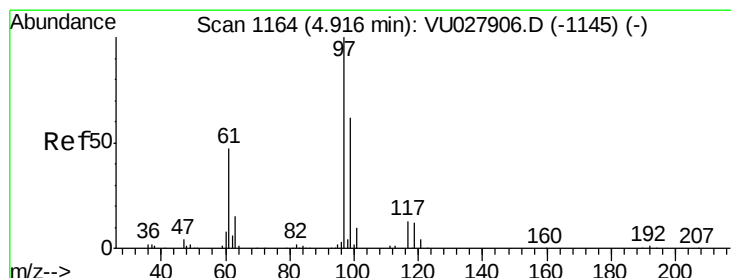
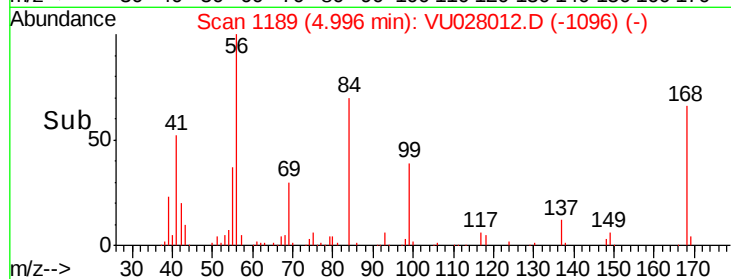
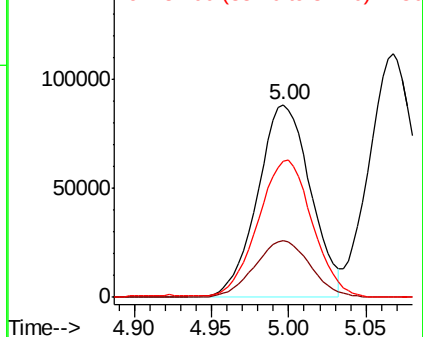
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.7	35.5
84	70.2	58.2	87.4

Manual Integrations
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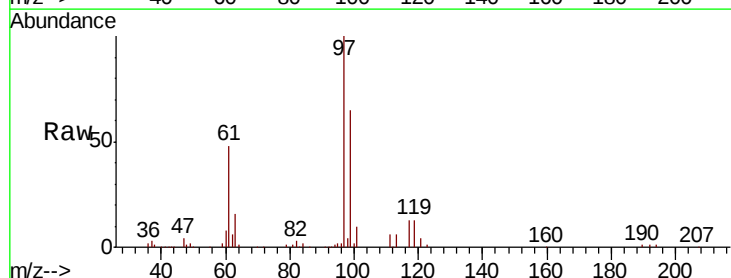


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

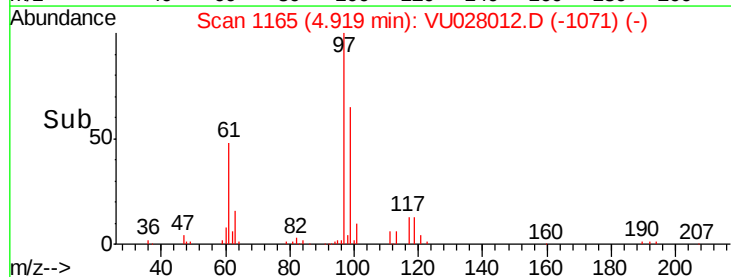
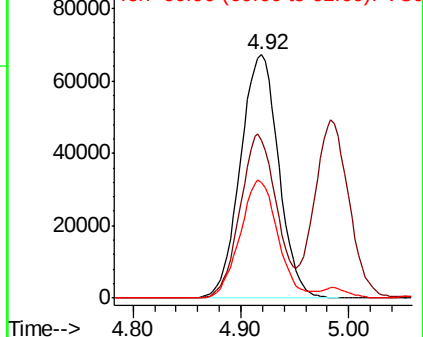


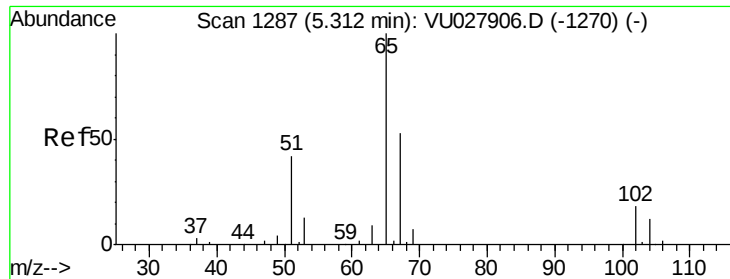
#32
1,1,1-Trichloroethane
Concen: 46.122 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.5	75.7
61	47.7	38.3	57.5



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





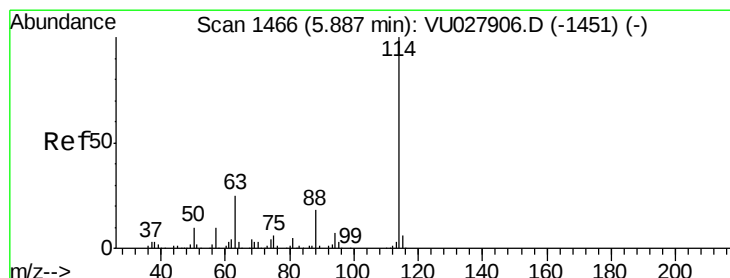
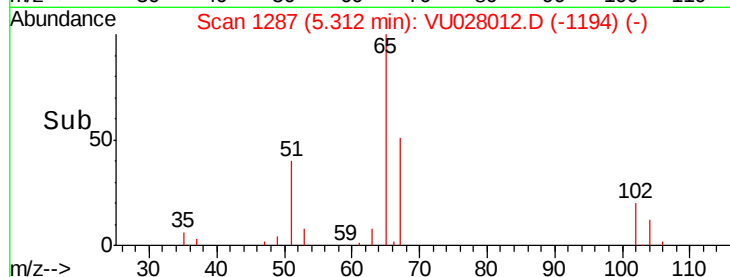
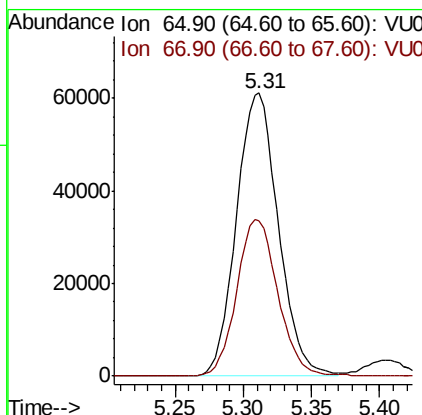
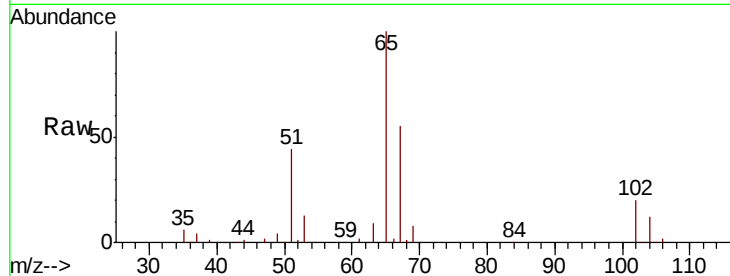
#33
 1,2-Dichloroethane-d4
 Concen: 46.970 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	130220		
67	54.2	0.0	109.0	

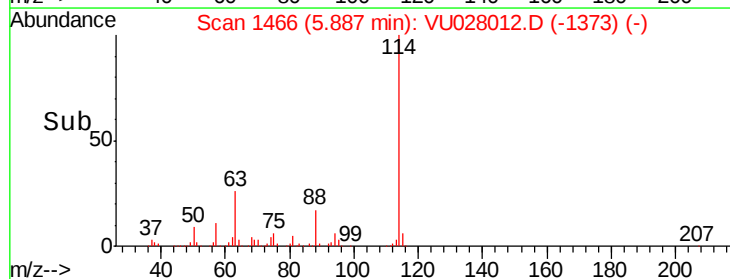
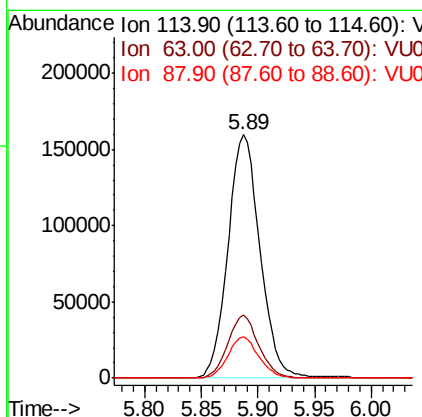
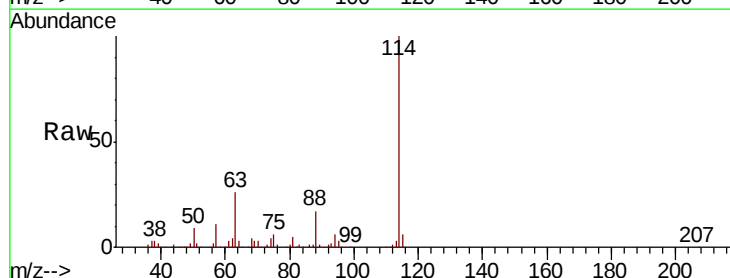
Manual Integrations
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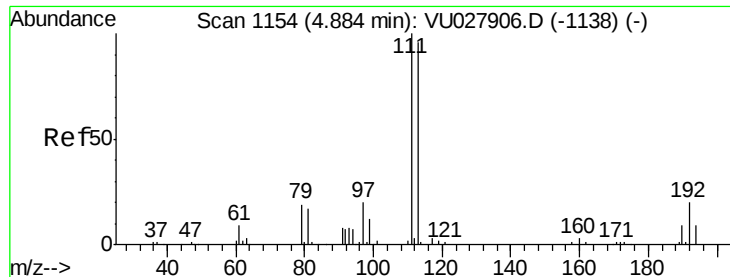
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	315345		
63	25.7	0.0	50.8	
88	16.8	0.0	35.8	





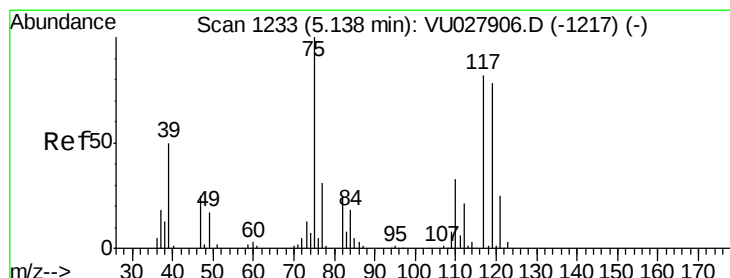
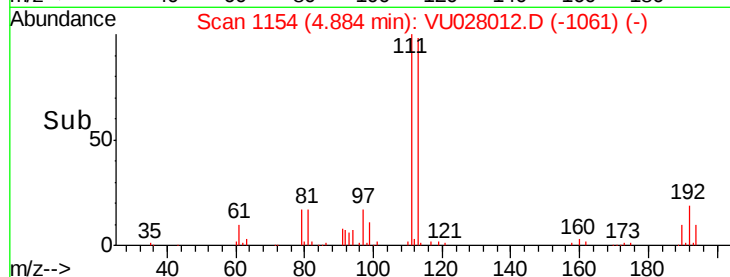
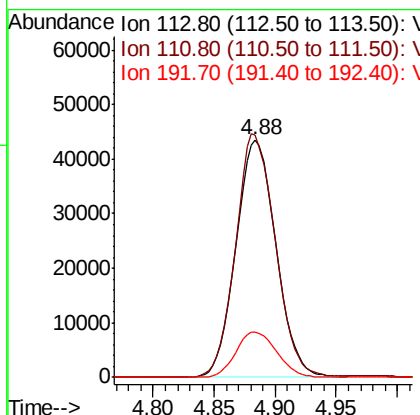
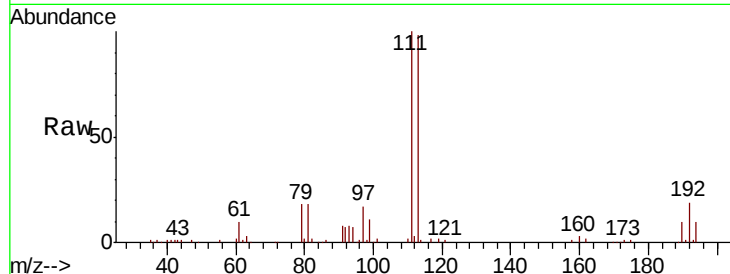
#35
 Dibromofluoromethane
 Concen: 49.822 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.6
192	19.3	15.6	23.4

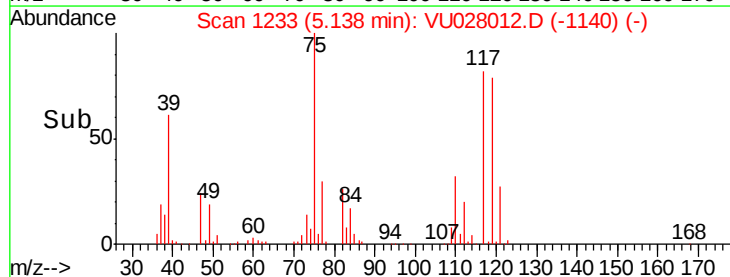
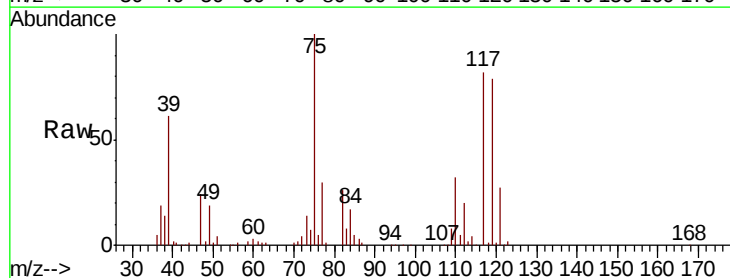
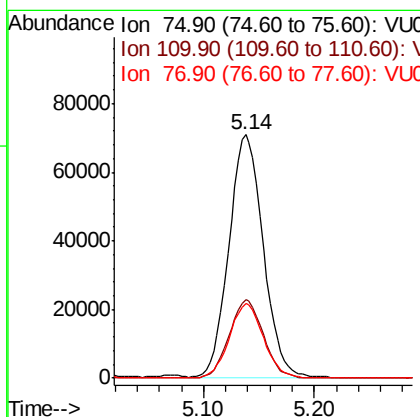
Manual Integrations
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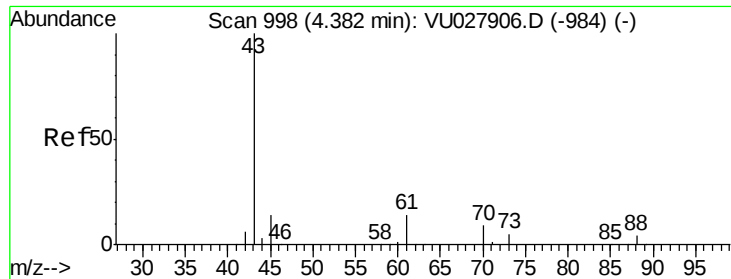
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#36
 1,1-Dichloropropene
 Concen: 46.225 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.5	49.5
77	30.6	24.9	37.3





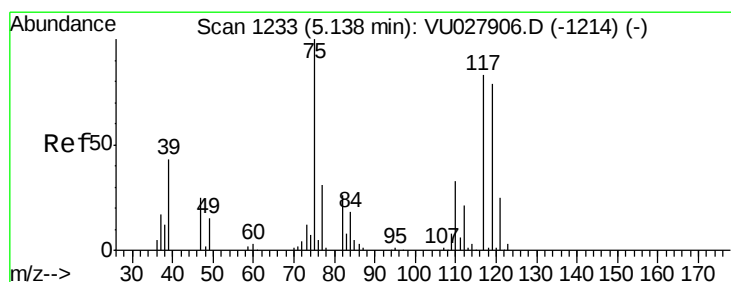
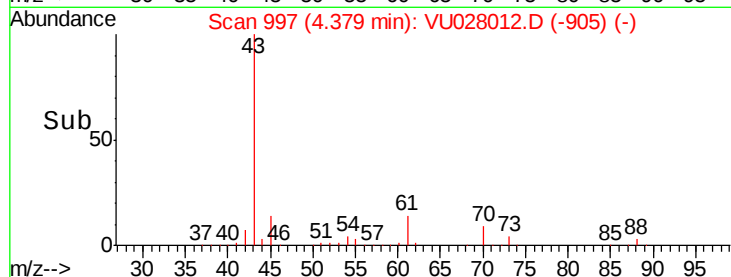
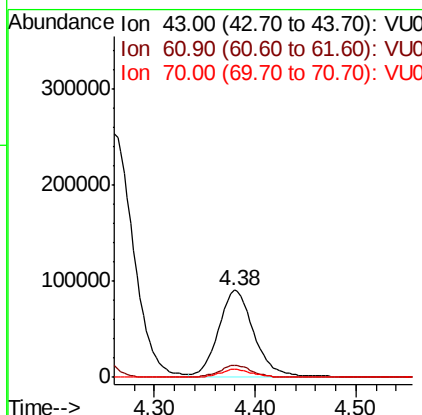
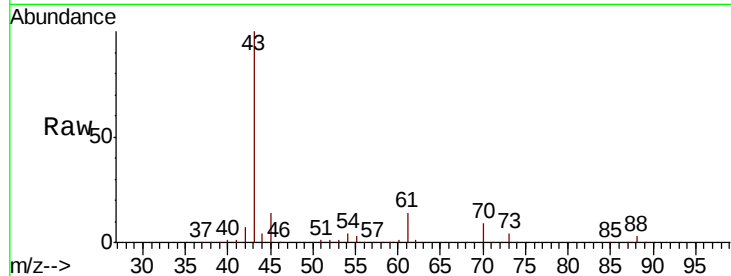
#37
Ethyl Acetate
Concen: 45.275 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	8.9	7.0	10.6

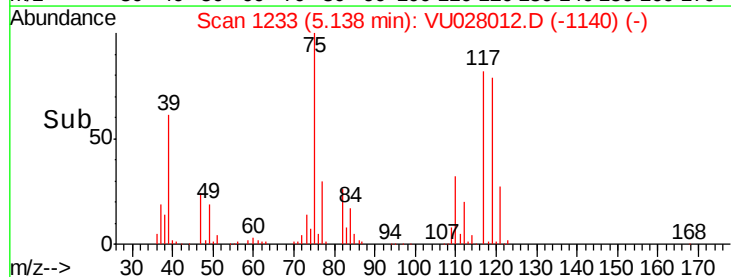
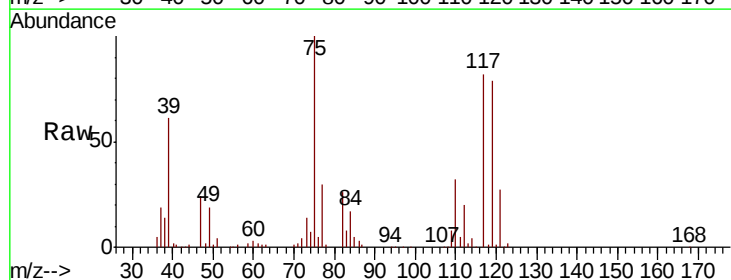
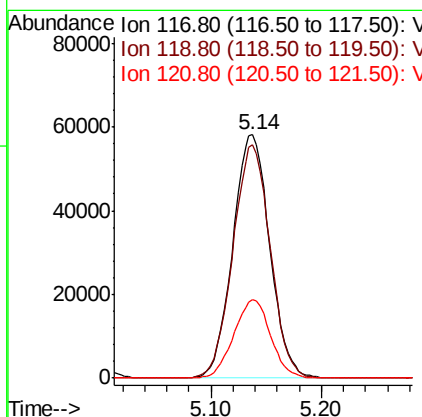
Manual Integrations
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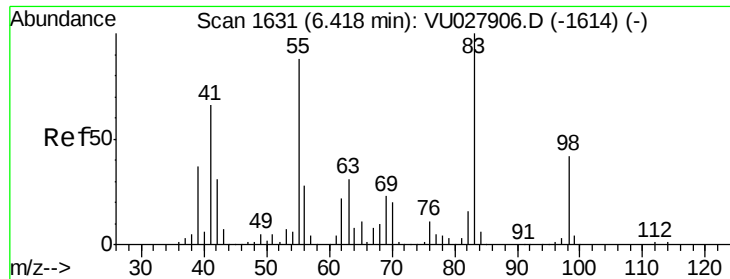
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#38
Carbon Tetrachloride
Concen: 46.116 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.0	114.0
121	32.4	24.5	36.7





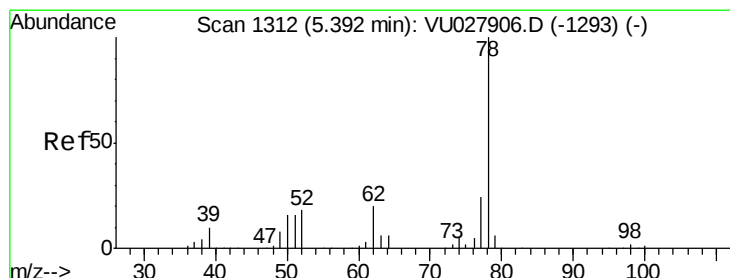
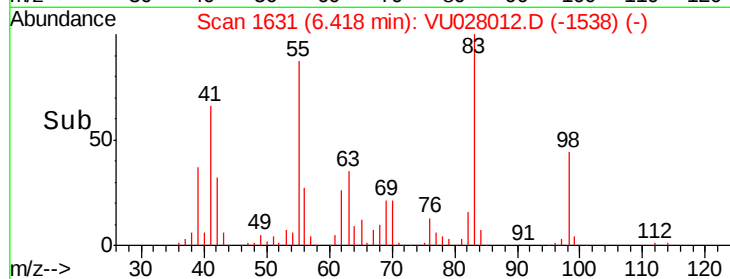
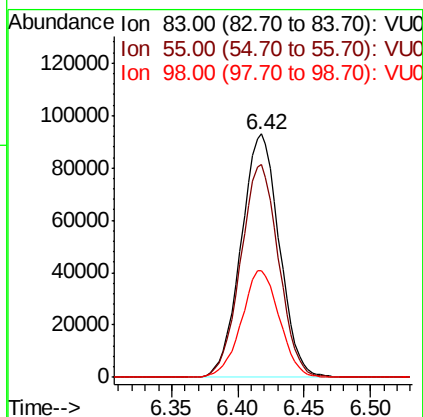
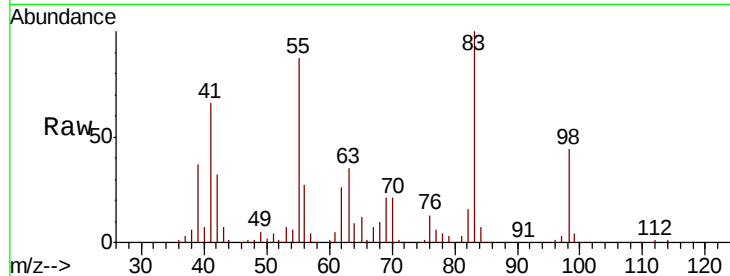
#39
Methvlcvclohexane
Concen: 46.865 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	186686
Ion Ratio	100	Lower	Upper
83	100		
55	87.3	70.3	105.5
98	44.0	34.0	51.0

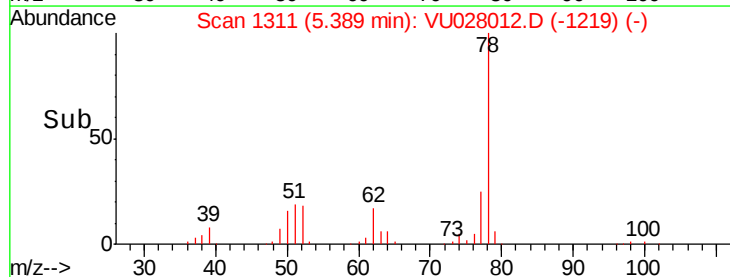
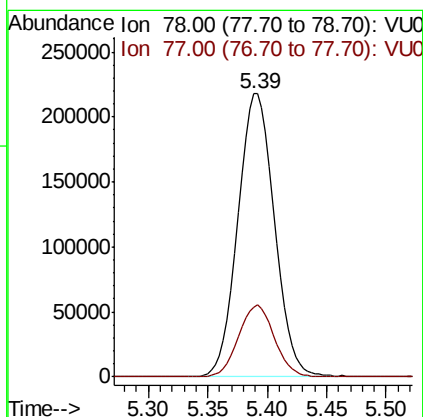
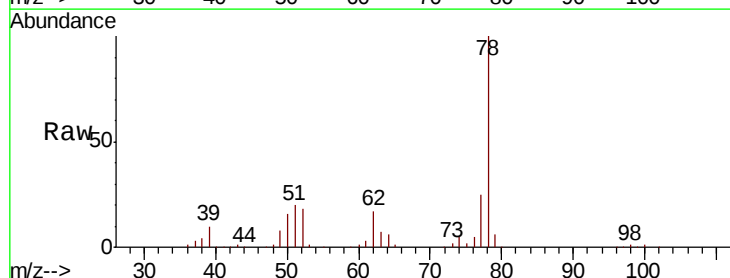
Manual Integrations
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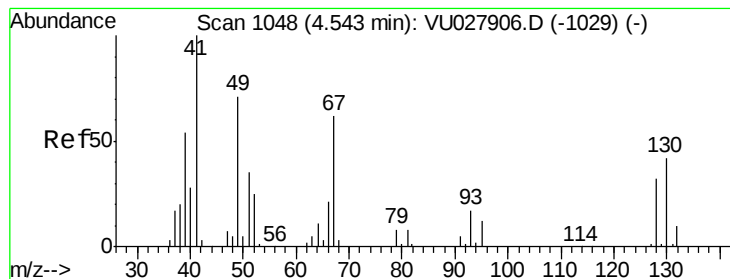
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#40
Benzene
Concen: 46.066 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	78	Resp	465162
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	19.3	28.9





#41

Methacrylonitrile

Concen: 48.361 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 124894

Ion Ratio Lower Upper

41 100

39 53.1 42.2 63.4

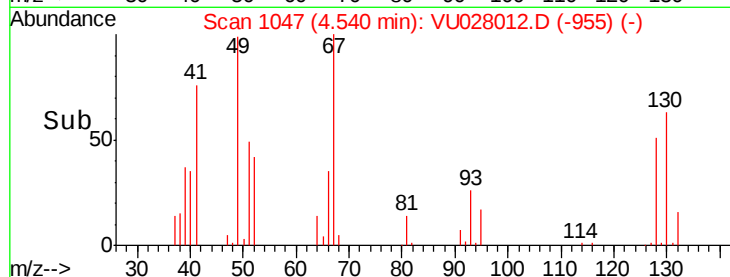
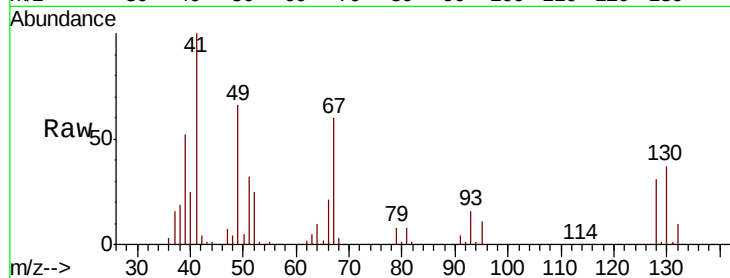
67 63.0 49.5 74.3

52 25.5 20.5 30.7

Manual Integrations
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11/9/2018 12:02:58 PM

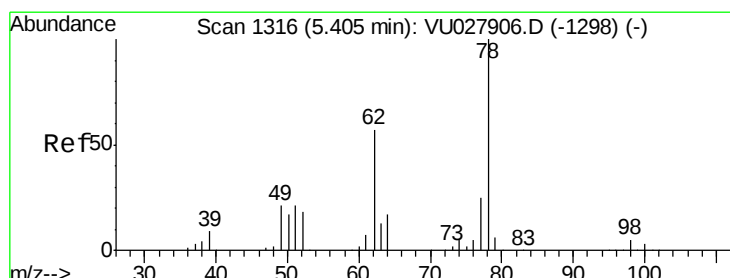
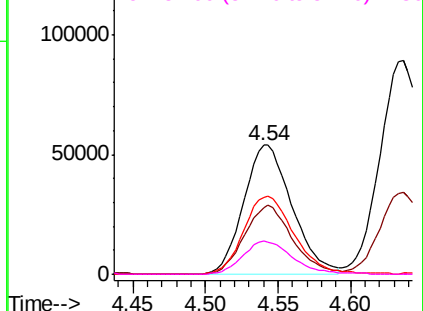


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 46.489 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028012.D

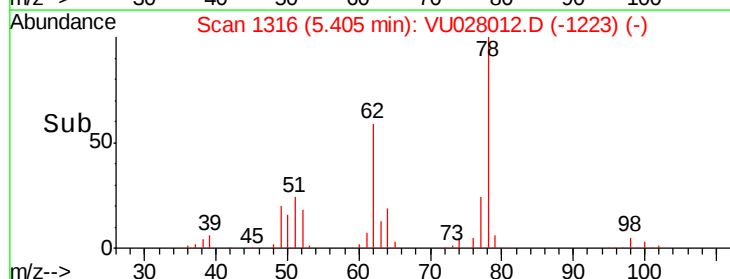
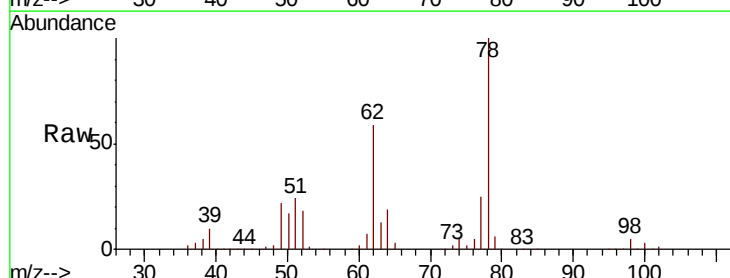
Acq: 08 Nov 2018 09:34

Tgt Ion: 62 Resp: 166860

Ion Ratio Lower Upper

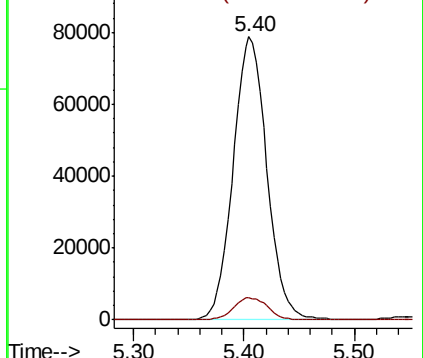
62 100

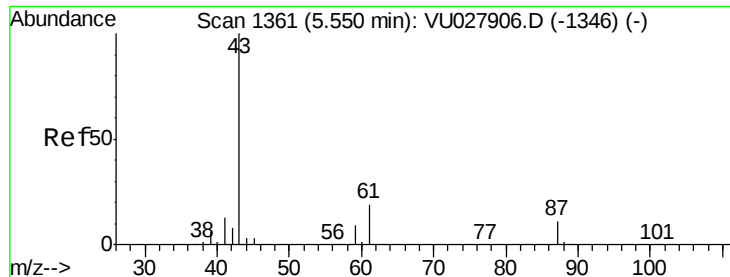
98 8.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 47.091 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

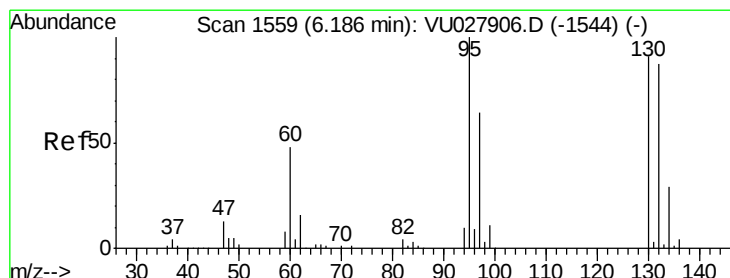
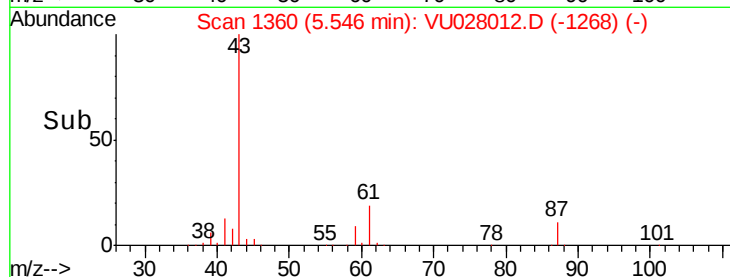
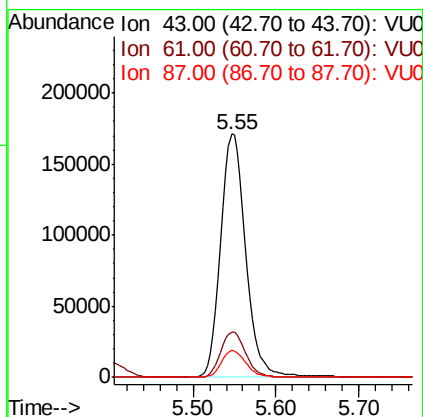
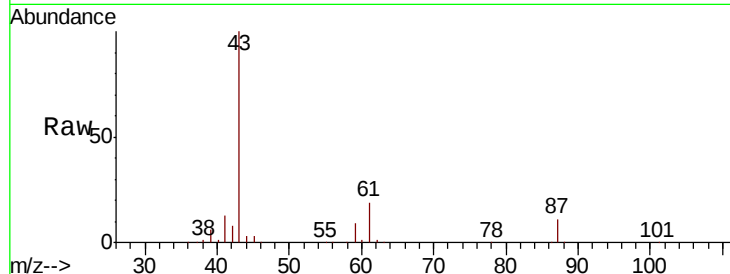
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	357026
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	10.8	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 47.125 ug/l

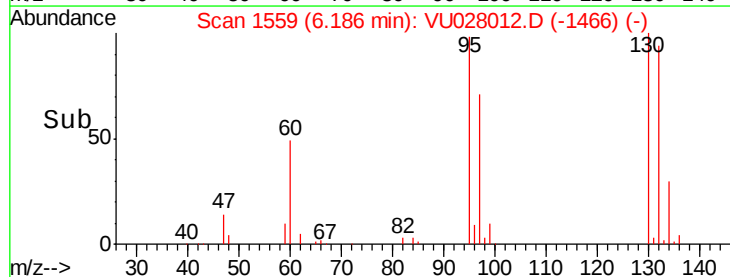
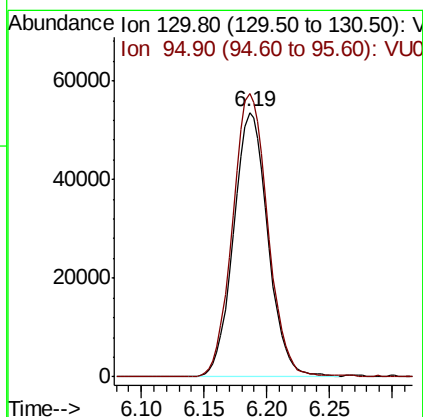
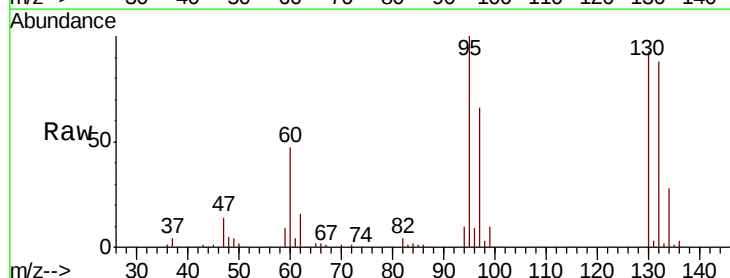
RT: 6.19 min Scan# 1559

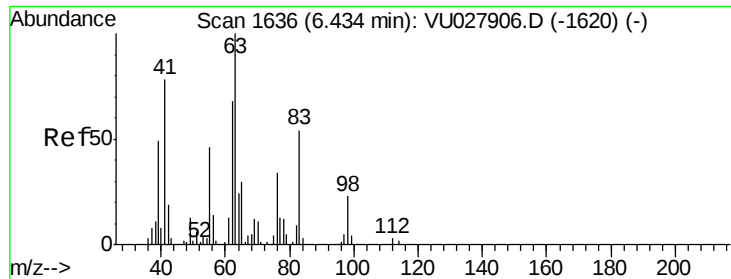
Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion:	130	Resp:	102287
Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	219.2





#45

1,2-Dichloropropane

Concen: 47.622 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 138681

Ion Ratio Lower Upper

63 100

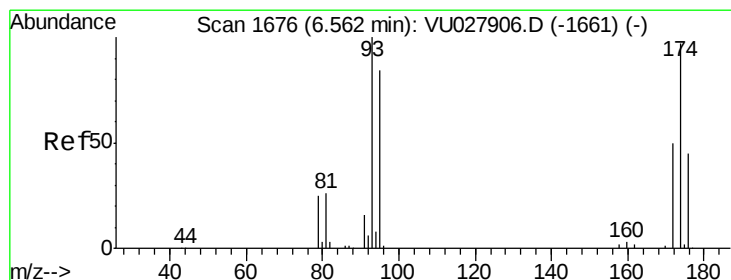
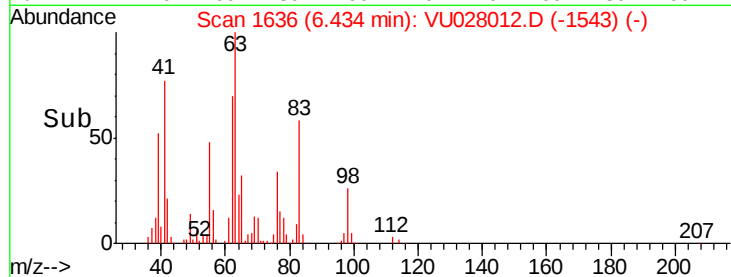
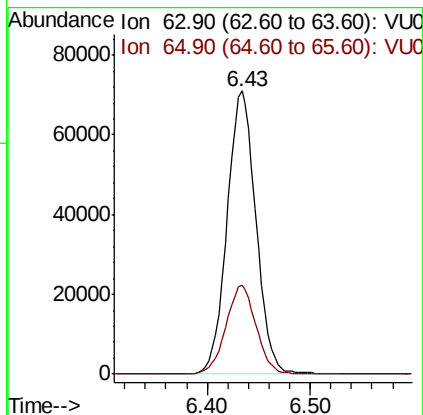
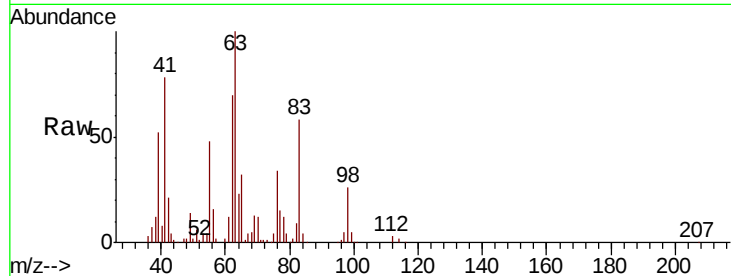
65 31.6 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 47.572 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

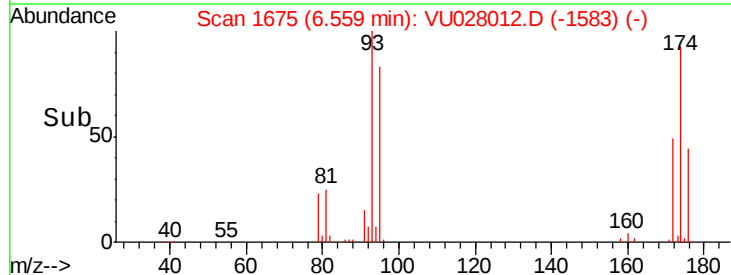
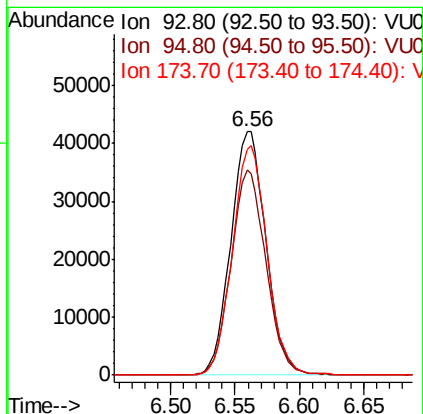
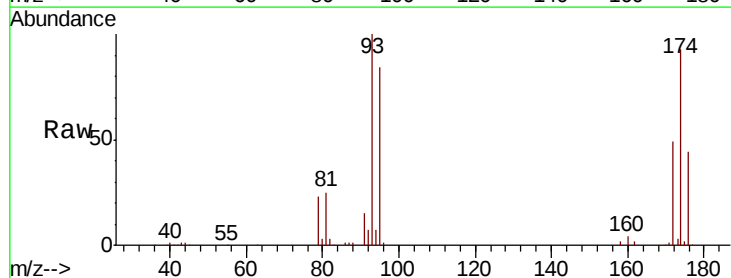
Tgt Ion: 93 Resp: 79631

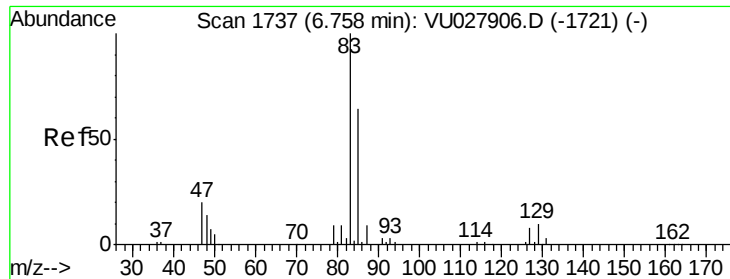
Ion Ratio Lower Upper

93 100

95 83.6 68.5 102.7

174 93.1 76.1 114.1





#47

Bromodichloromethane

Concen: 48.278 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

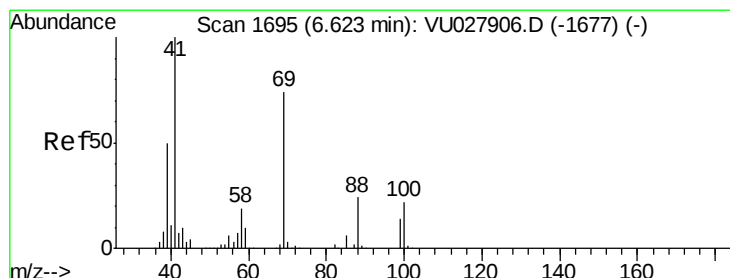
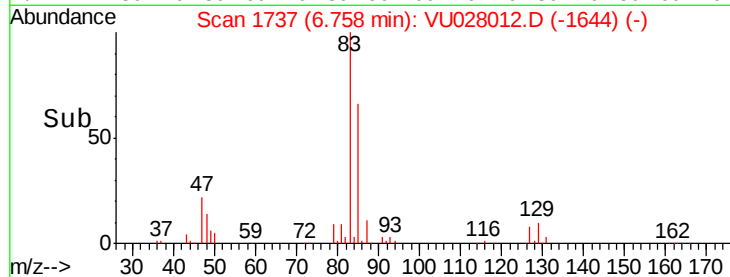
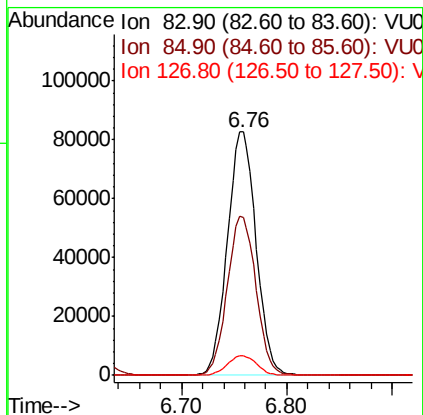
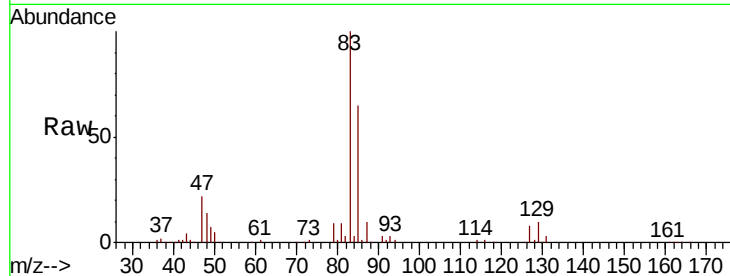
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	155736
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6
127	8.1	6.2	9.4

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11/9/2018 12:02:58 PM



#48

Methyl methacrylate

Concen: 47.882 ug/l

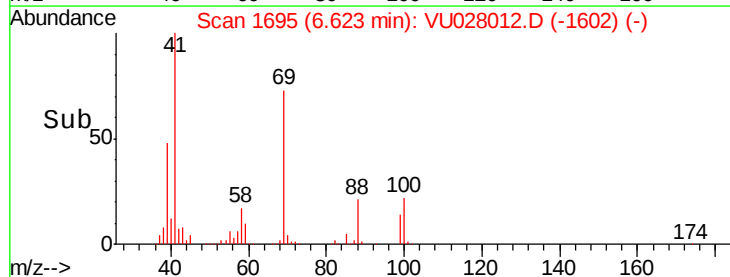
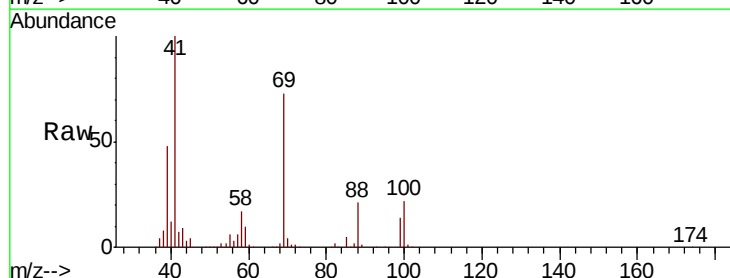
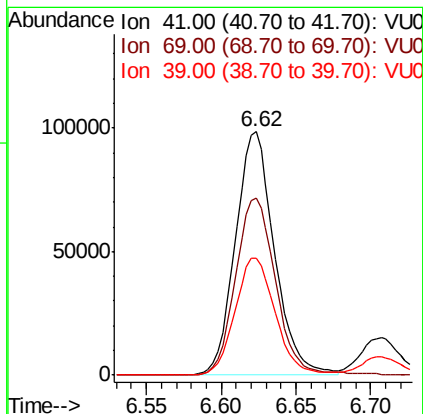
RT: 6.62 min Scan# 1695

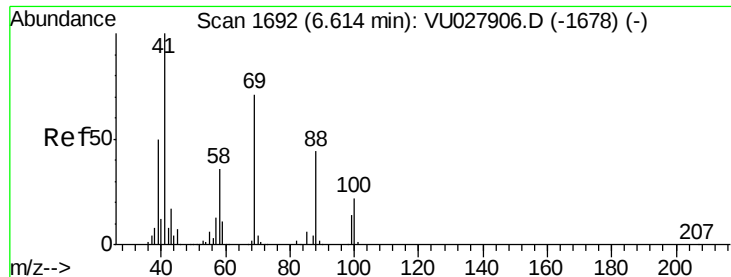
Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion:	41	Resp:	177897
Ion	Ratio	Lower	Upper
41	100		
69	75.3	59.8	89.8
39	49.5	40.0	60.0





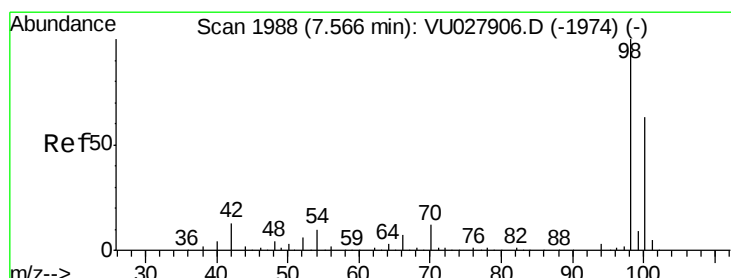
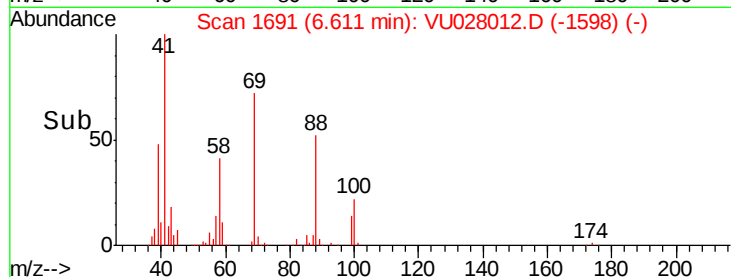
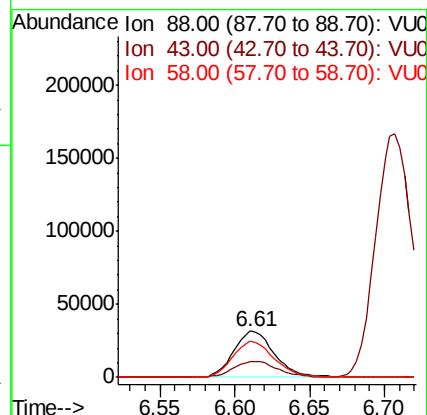
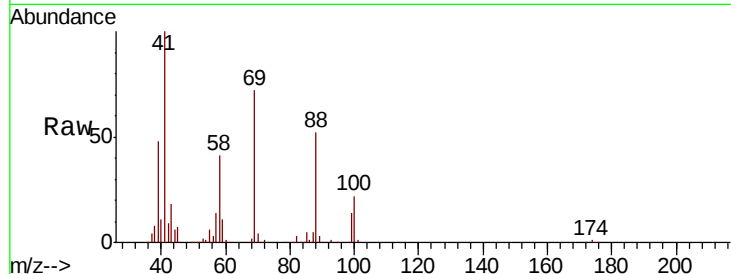
#49
1,4-Dioxane
Concen: 978.033 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.5	45.7
58	81.2	67.1	100.7

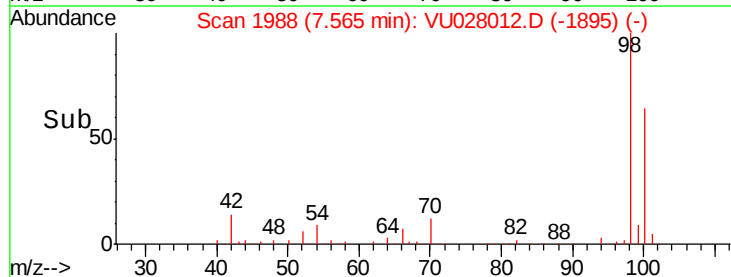
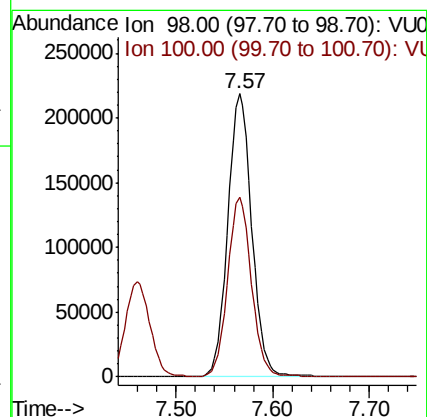
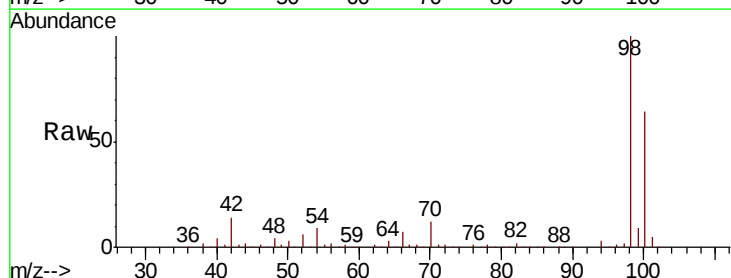
Manual Integrations
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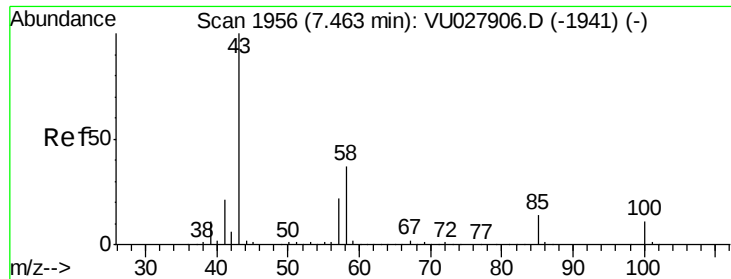
MMDadoda
11/9/2018 12:02:58 PM



#50
Toluene-d8
Concen: 49.099 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 228.595 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1157433

Ion Ratio Lower Upper

43 100

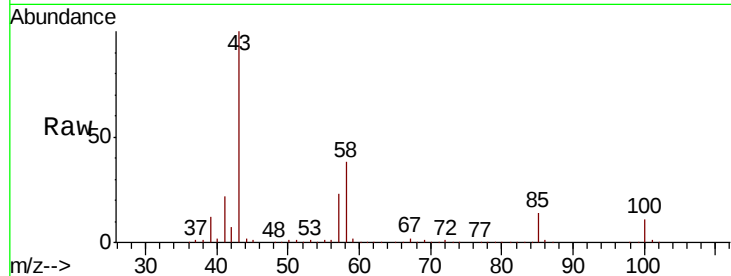
58 37.2 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

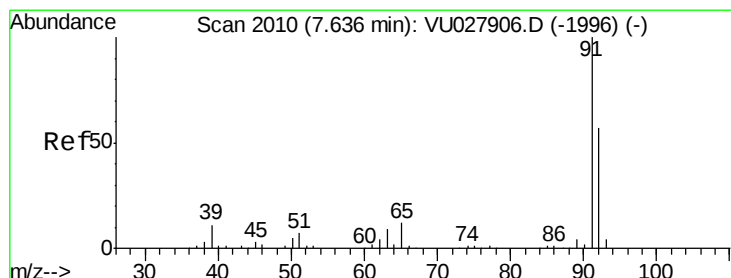
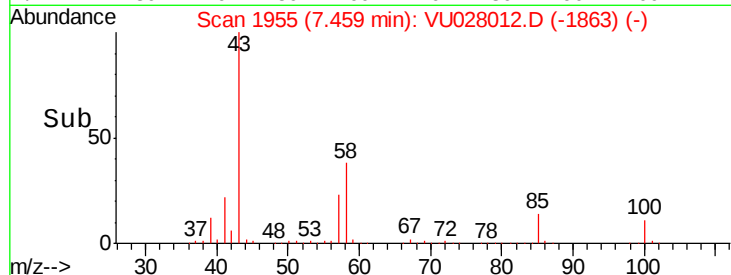
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 46.894 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028012.D

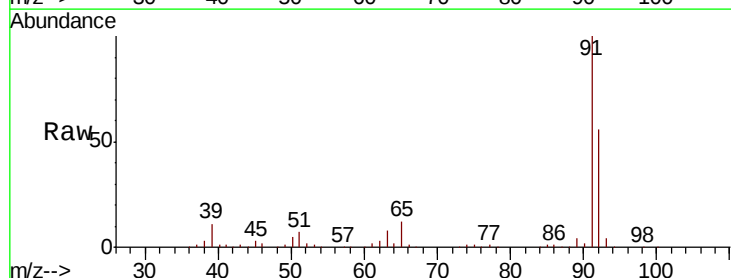
Acq: 08 Nov 2018 09:34

Tgt Ion: 92 Resp: 278380

Ion Ratio Lower Upper

92 100

91 177.2 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

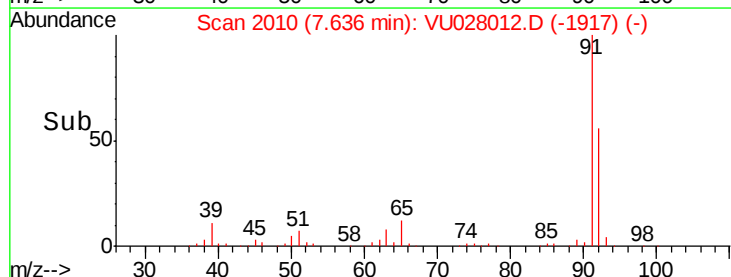
300000

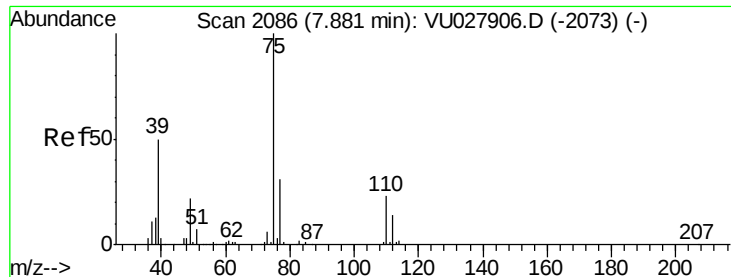
200000

100000

0

Time-->





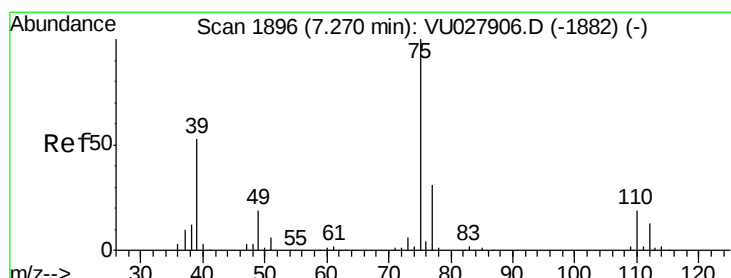
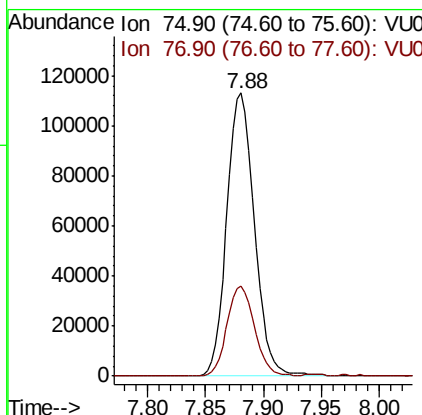
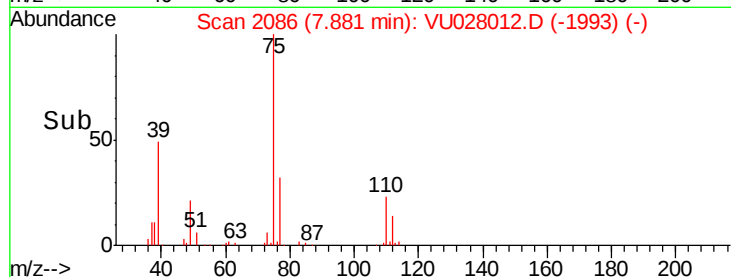
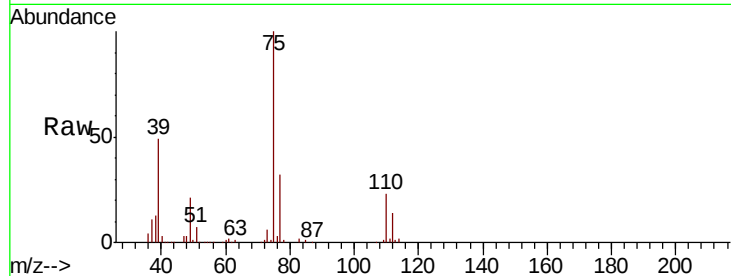
#53
t-1,3-Dichloropropene
Concen: 46.973 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 187629
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

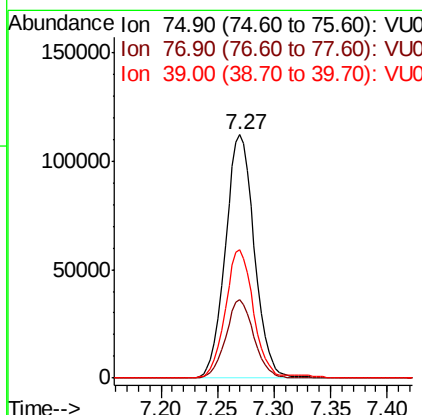
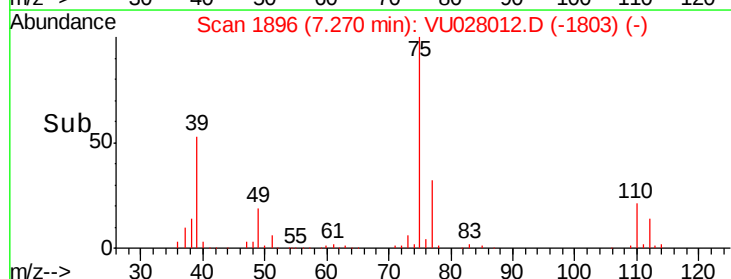
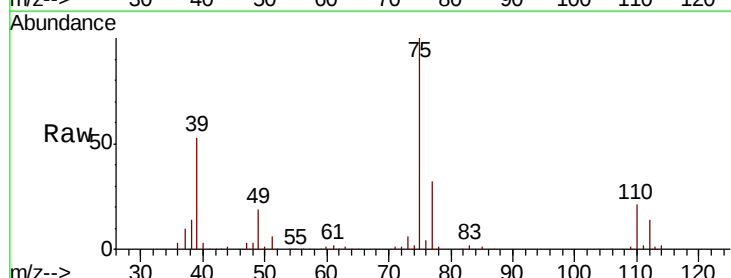
Manual Integrations
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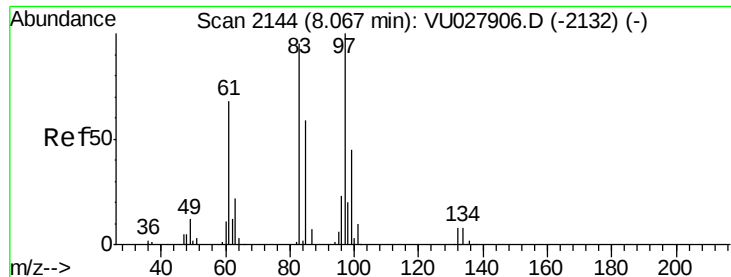
MMDadoda
11/9/2018 12:02:58 PM



#54
cis-1,3-Dichloropropene
Concen: 50.199 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion: 75 Resp: 199621
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0
39 52.5 42.6 64.0





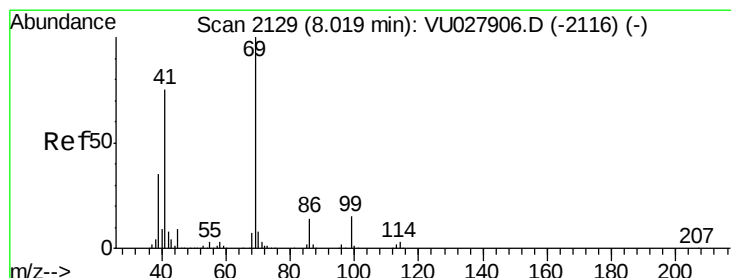
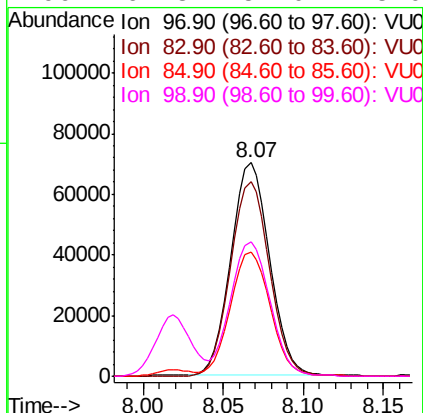
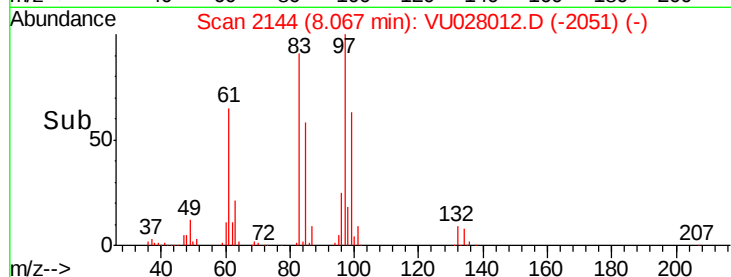
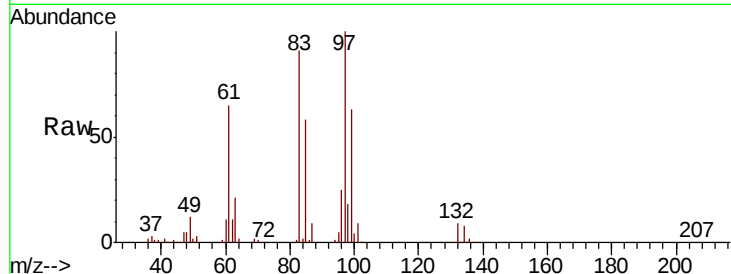
#55
 1,1,2-Trichloroethane
 Concen: 48.061 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	116075
Ion	Ratio	Lower	Upper
97	100		
83	91.2	76.1	114.1
85	57.7	48.9	73.3
99	62.8	52.0	78.0

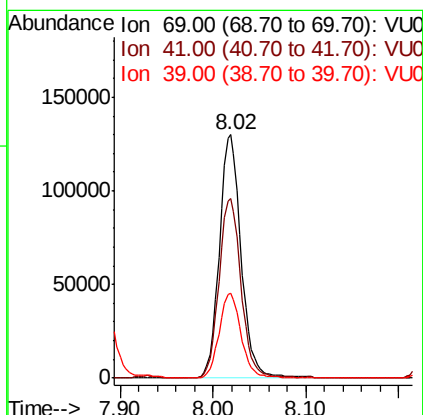
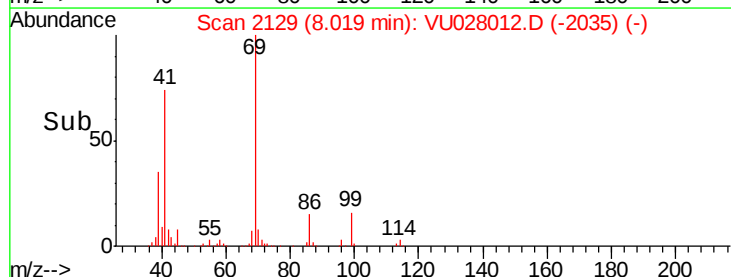
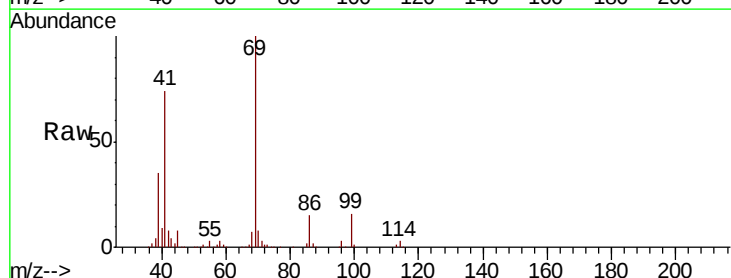
Manual Integrations
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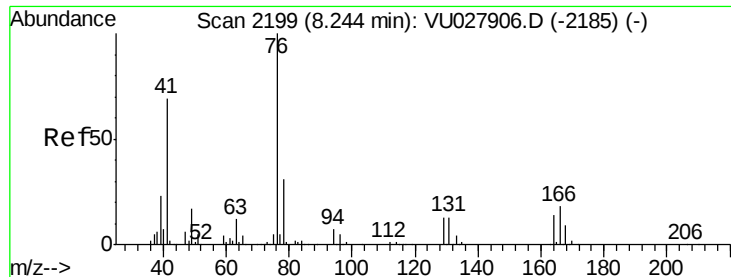
MMDadoda
 11/9/2018 12:02:58 PM



#56
 Ethyl methacrylate
 Concen: 49.574 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Tgt Ion:	69	Resp:	211141
Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.8	89.6
39	34.6	28.6	42.8





#57

1,3-Dichloropropane

Concen: 48.340 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 212668

Ion Ratio Lower Upper

76 100

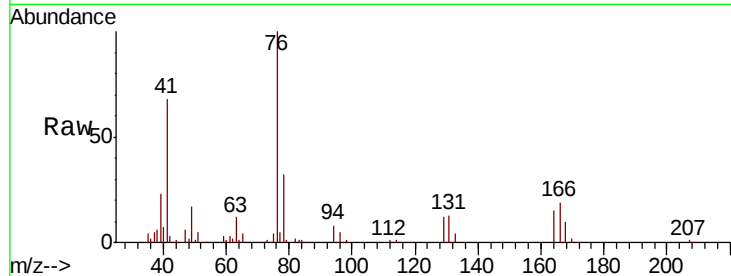
78 31.5 25.3 37.9

Manual Integrations

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11/9/2018 12:02:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-2185) (-)

Ion 77.90 (77.60 to 78.60): VU027906.D (-2185) (-)

8.24

150000

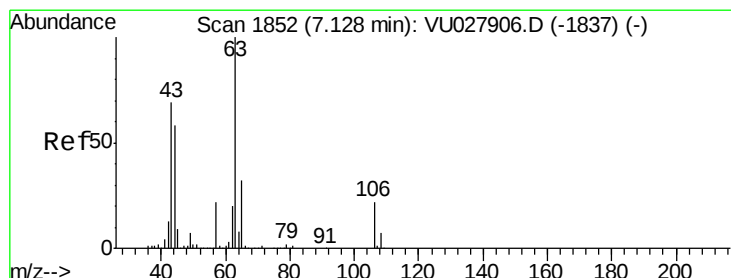
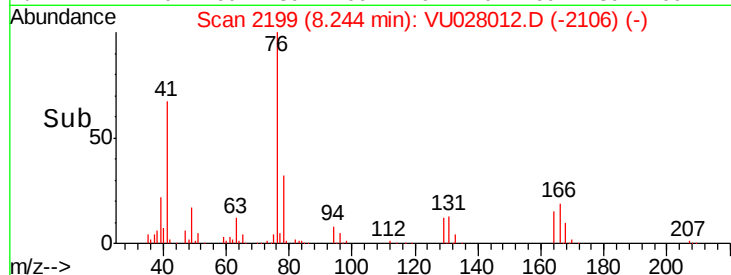
100000

50000

0

8.20 8.30 8.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 220.591 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028012.D

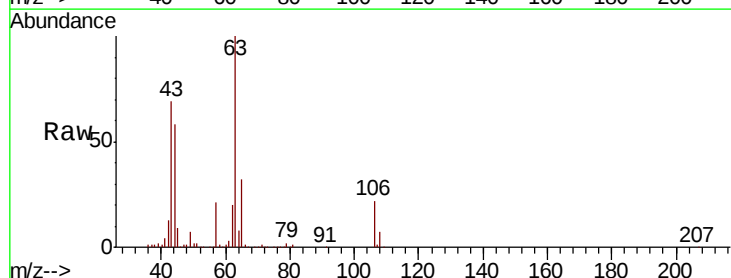
Acq: 08 Nov 2018 09:34

Tgt Ion: 63 Resp: 503188

Ion Ratio Lower Upper

63 100

106 22.0 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU027906.D (-1837) (-)

7.13

300000

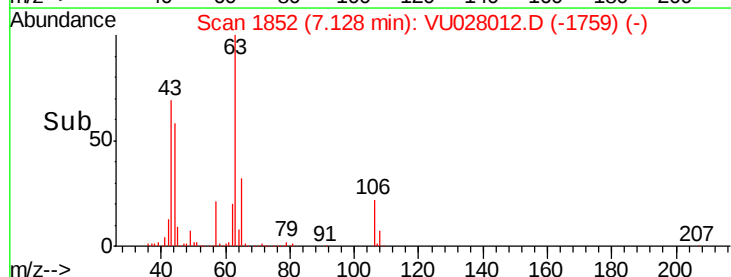
200000

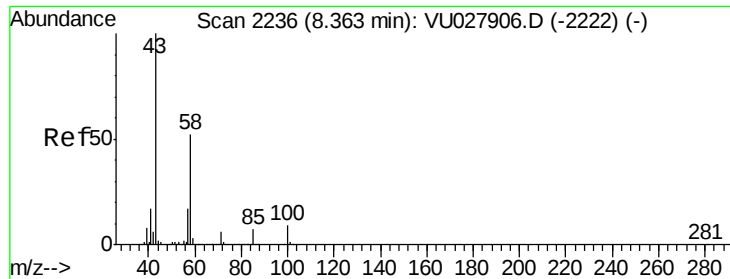
100000

0

7.10 7.20

Time-->





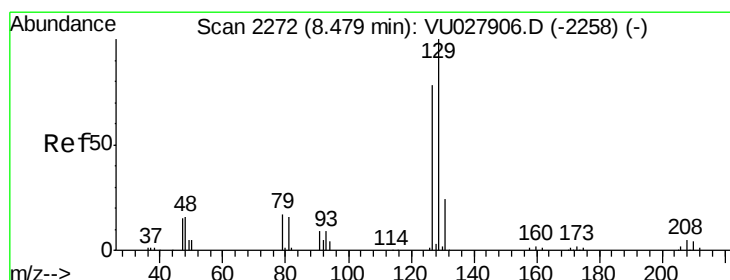
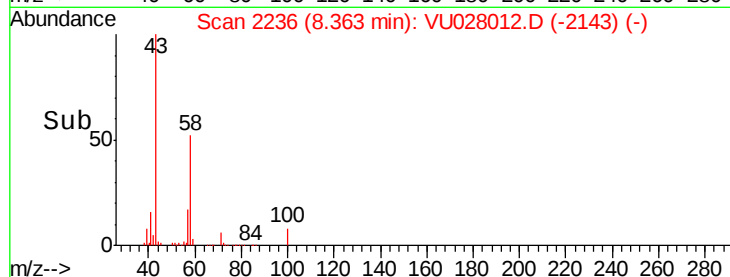
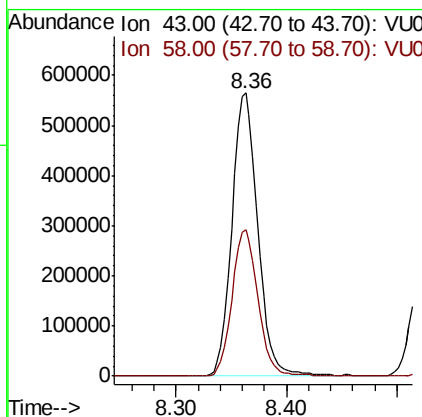
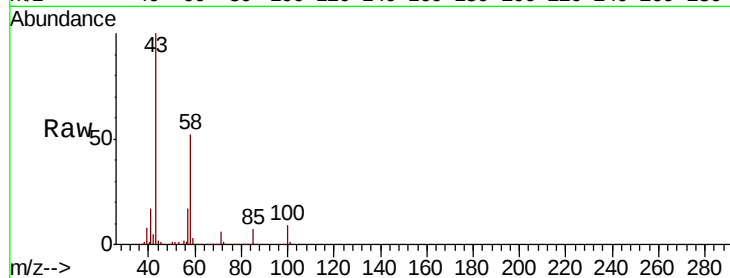
#59
2-Hexanone
Concen: 234.226 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 917249
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

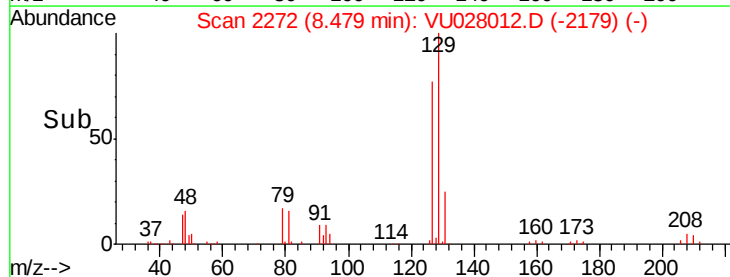
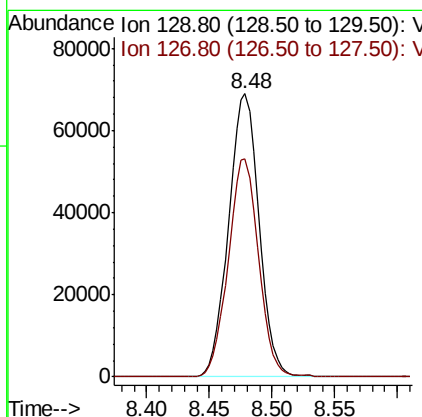
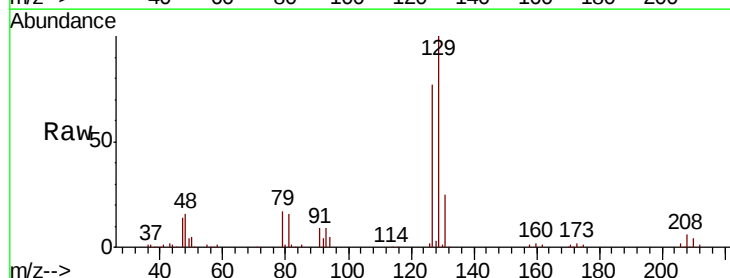
Manual Integrations
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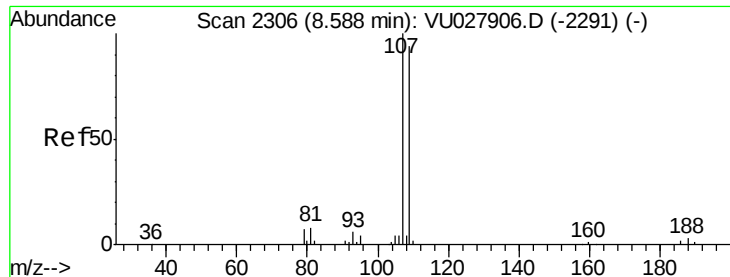
MMDadoda
11/9/2018 12:02:58 PM



#60
Dibromochloromethane
Concen: 50.912 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion: 129 Resp: 116356
Ion Ratio Lower Upper
129 100
127 76.4 39.2 117.6





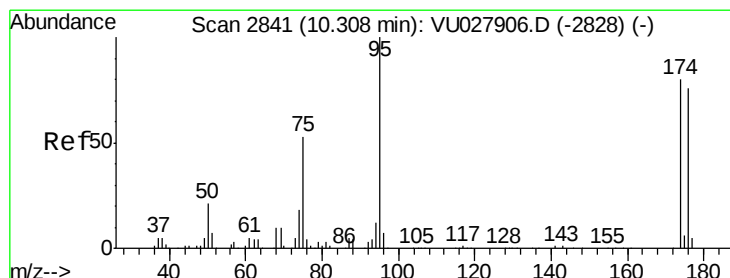
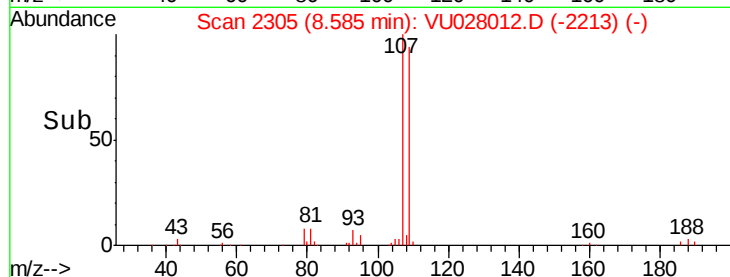
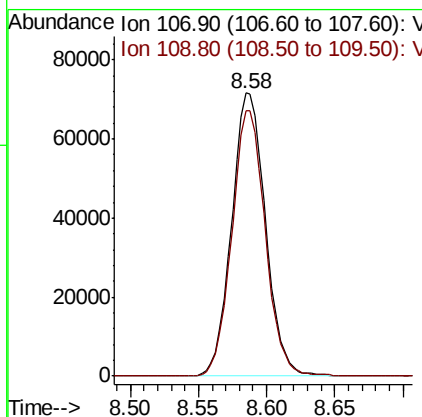
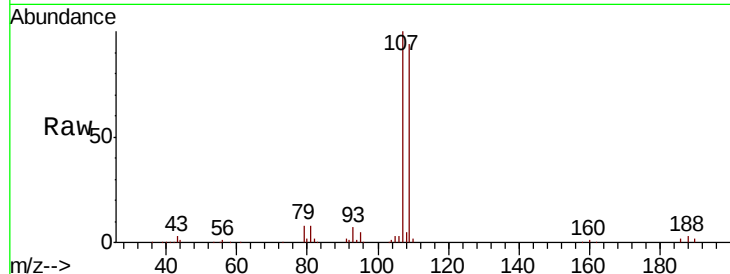
#61
 1,2-Dibromoethane
 Concen: 48.023 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	73.8	110.8

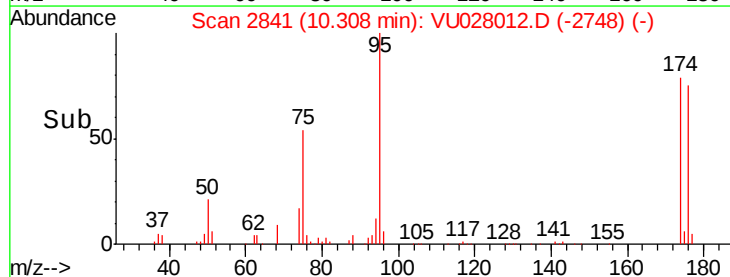
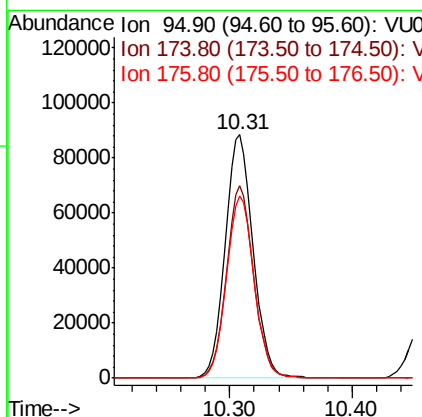
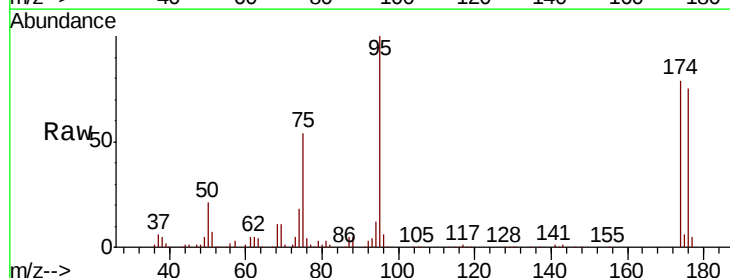
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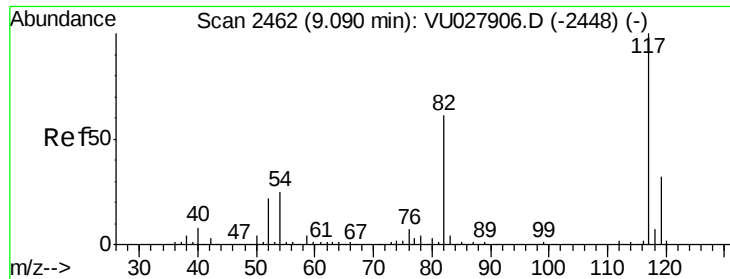
MMDadoda
 11/9/2018 12:02:58 PM



#62
 4-Bromofluorobenzene
 Concen: 49.979 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	156.4
176	74.5	0.0	150.8





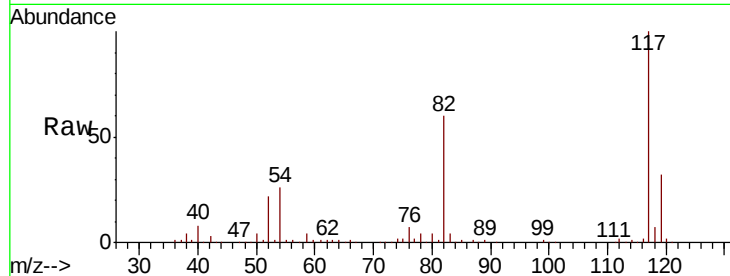
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.6	73.0
119	31.6	25.8	38.8

Manual Integrations
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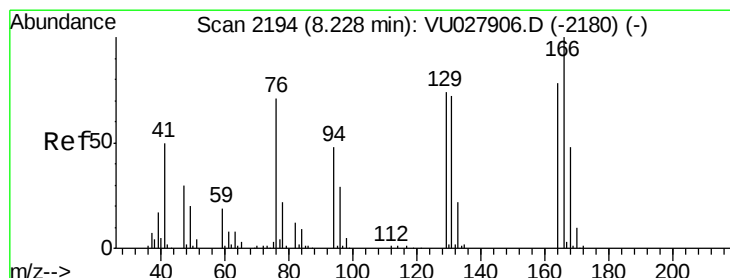
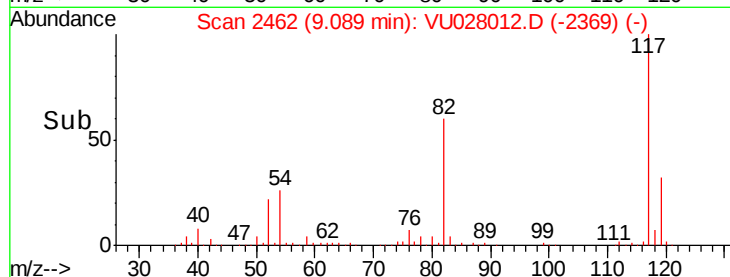
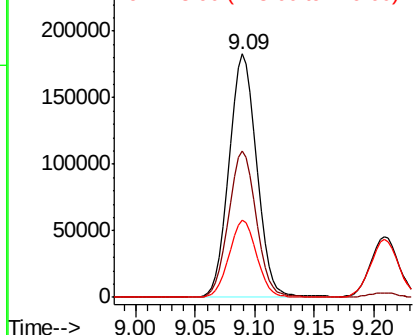


Abundance

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: 46.452 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.1	153.1
129	95.6	75.9	113.9
131	90.8	73.0	109.6

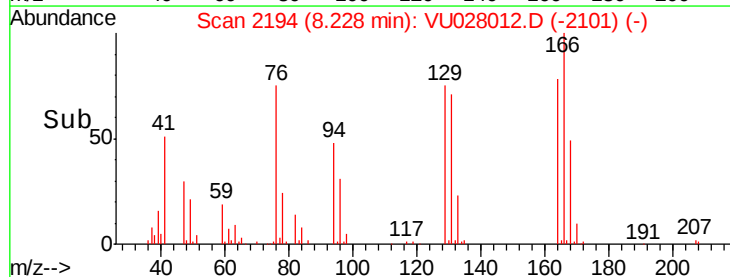
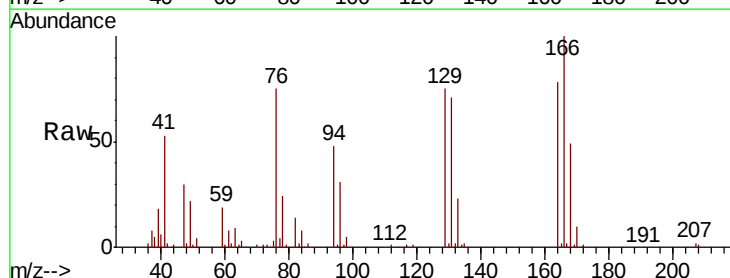
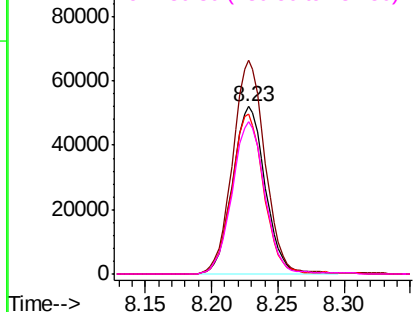
Abundance

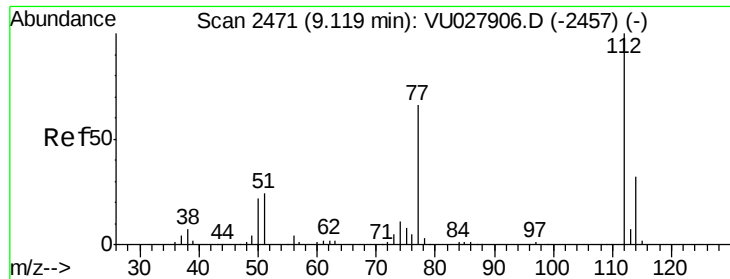
Ion 163.80 (163.50 to 164.50): V

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





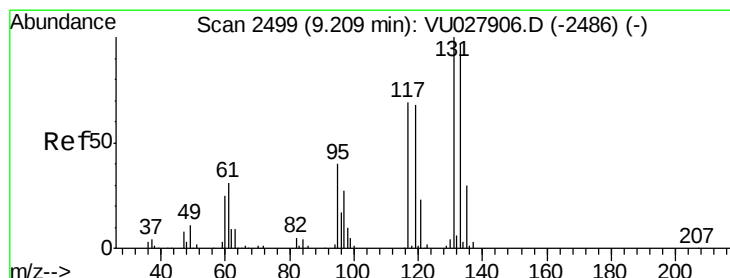
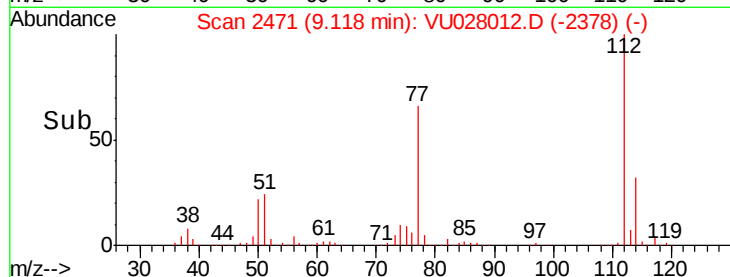
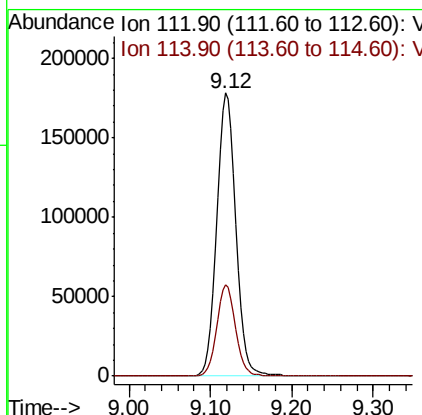
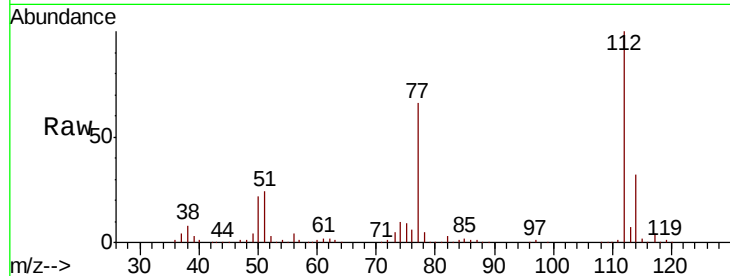
#65
Chlorobenzene
Concen: 47.421 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 296826
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

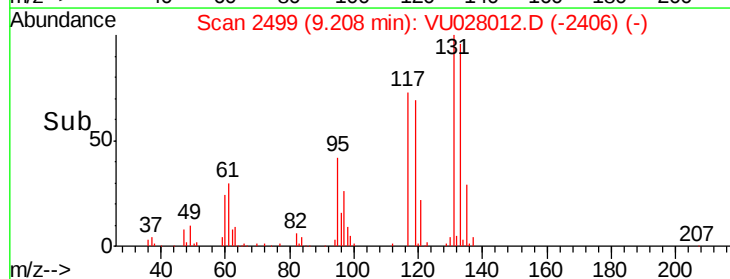
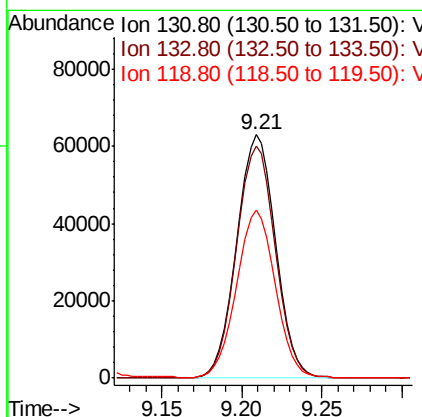
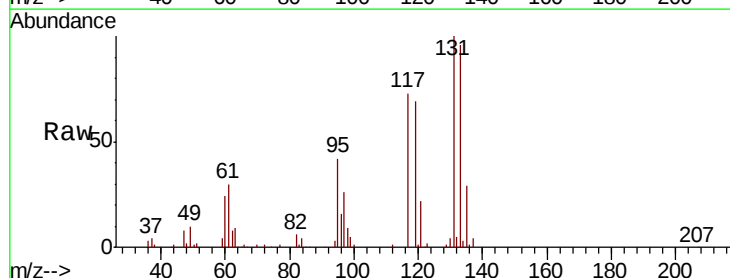
Manual Integrations
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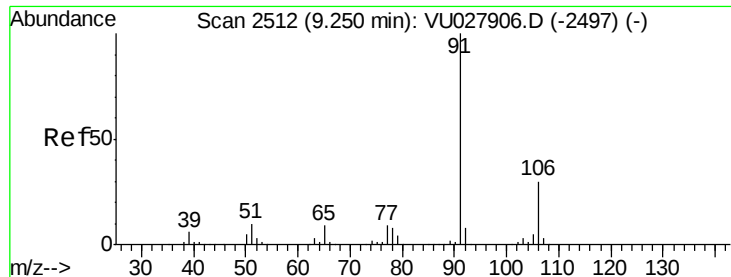
MMDadoda
11/9/2018 12:02:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.839 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion:131 Resp: 104417
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 69.0 34.0 101.8





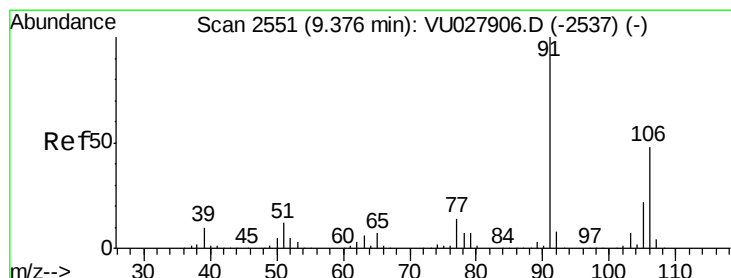
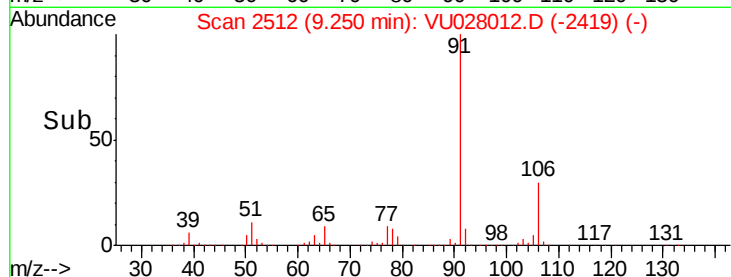
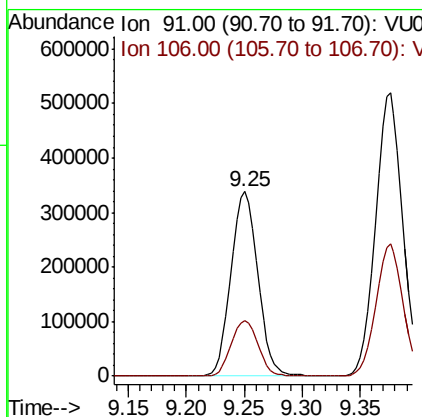
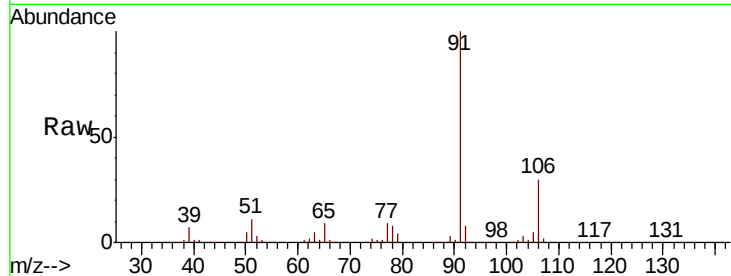
#67
Ethyl Benzene
Concen: 47.014 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 541670
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4

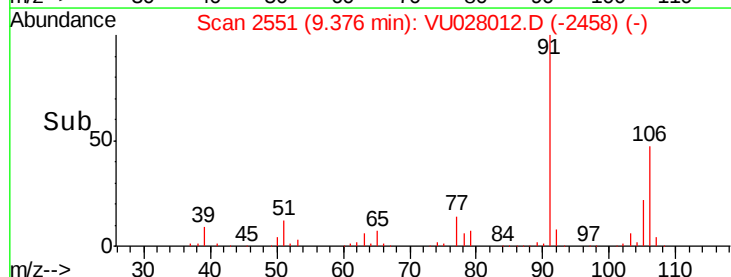
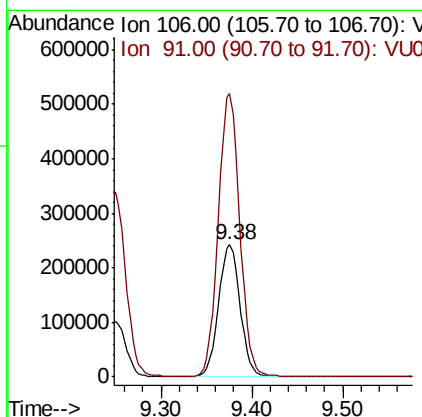
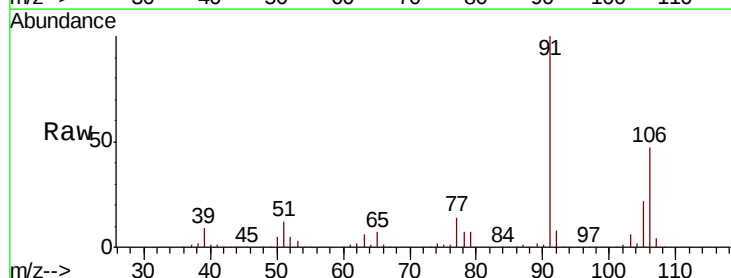
Manual Integrations
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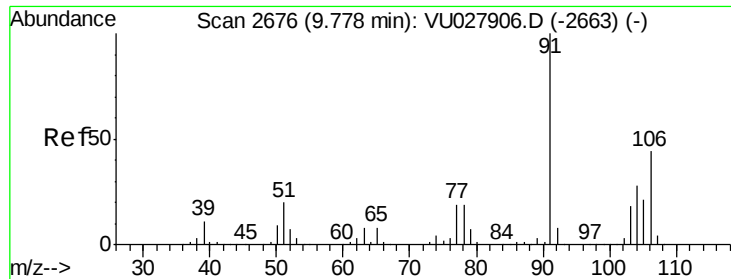
MMDadoda
11/9/2018 12:02:58 PM



#68
m/p-Xylenes
Concen: 95.555 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion: 106 Resp: 399464
Ion Ratio Lower Upper
106 100
91 213.9 168.2 252.4





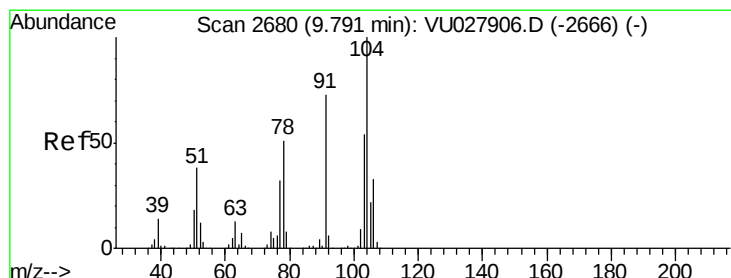
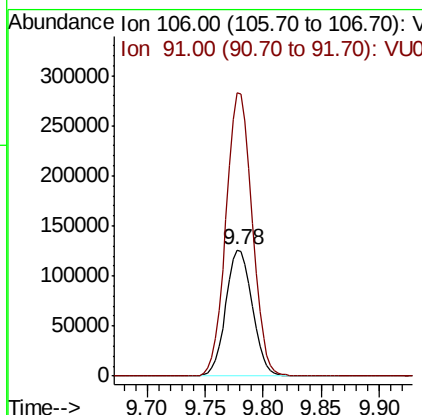
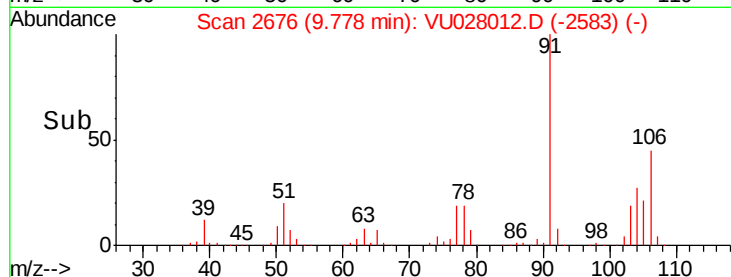
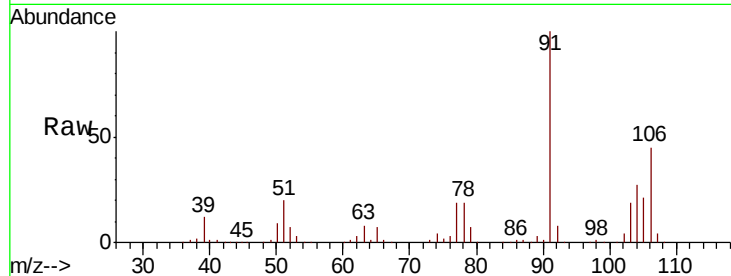
#69
o-Xylene
Concen: 47.492 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 200482
Ion Ratio Lower Upper
106 100
91 221.6 111.1 333.4

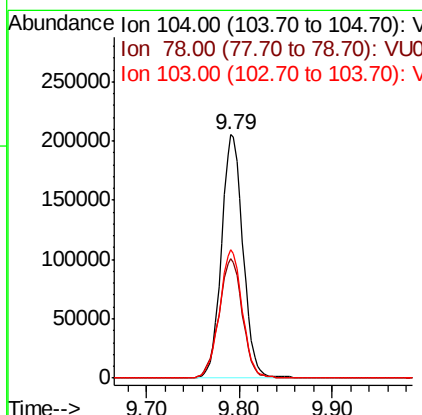
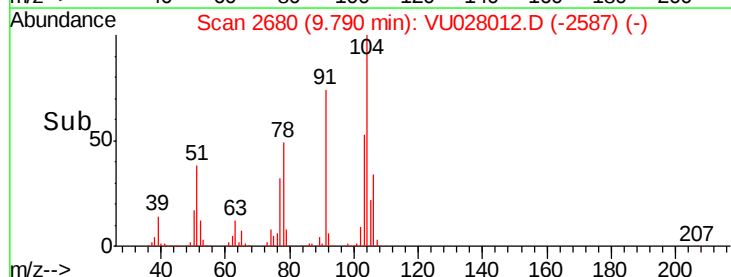
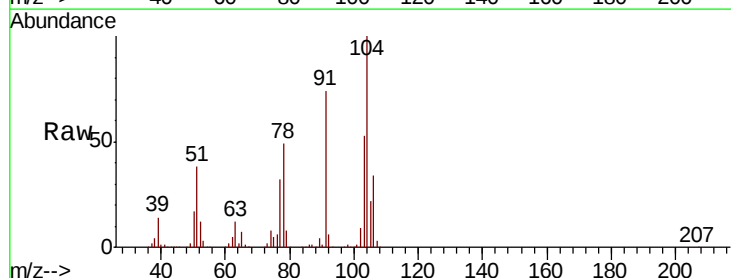
Manual Integrations
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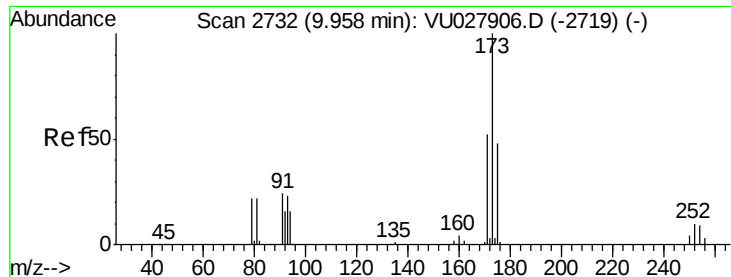
MMDadoda
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#70
Styrene
Concen: 48.887 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion:104 Resp: 329742
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.4
103 56.0 45.1 67.7





#71

Bromoform

Concen: 49.177 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88115

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

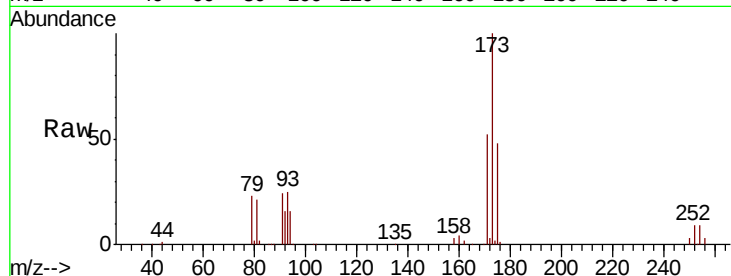
254 0.1 0.0 0.0#

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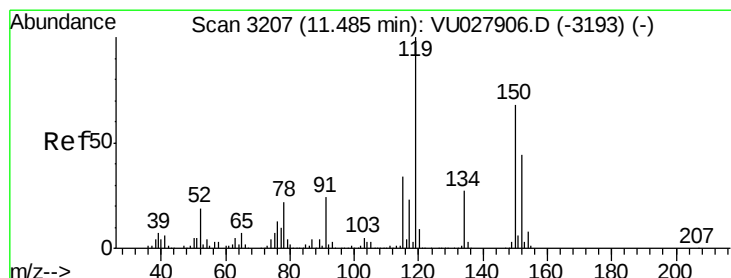
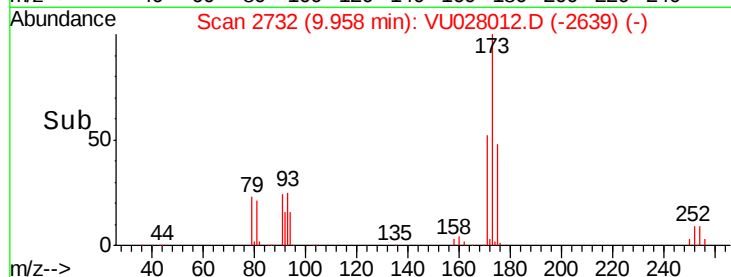
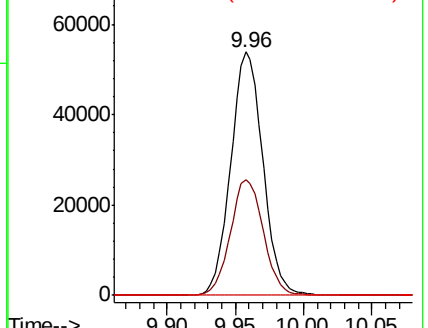
11/9/2018 12:02:58 PM



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: VU028012.D

Acq: 08 Nov 2018 09:34

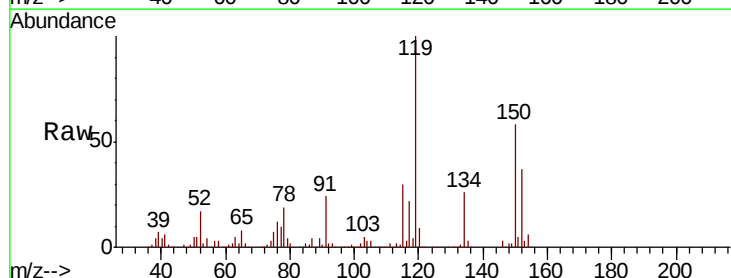
Tgt Ion:152 Resp: 146667

Ion Ratio Lower Upper

152 100

115 84.1 43.0 129.0

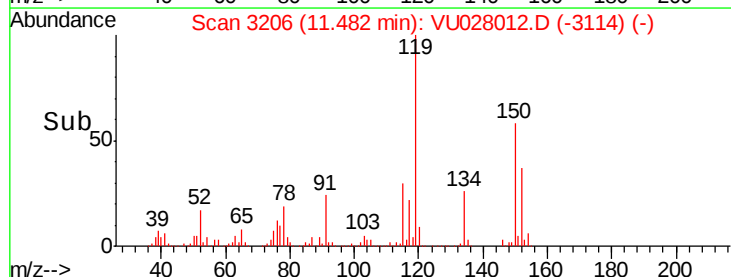
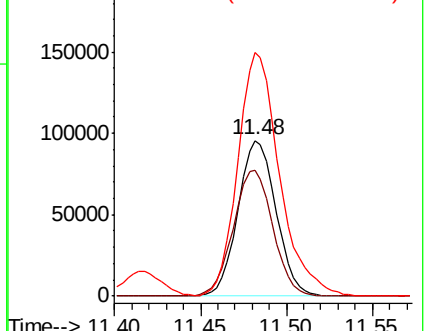
150 171.5 0.0 349.4

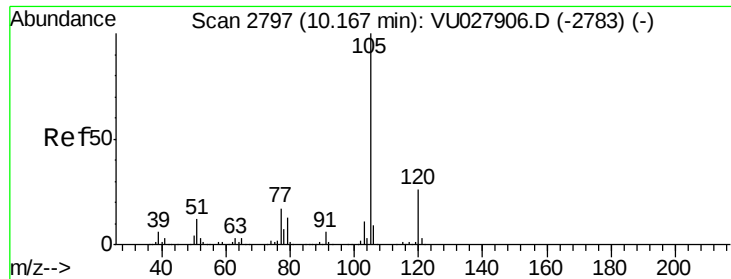


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.092 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 535064

Ion Ratio Lower Upper

105 100

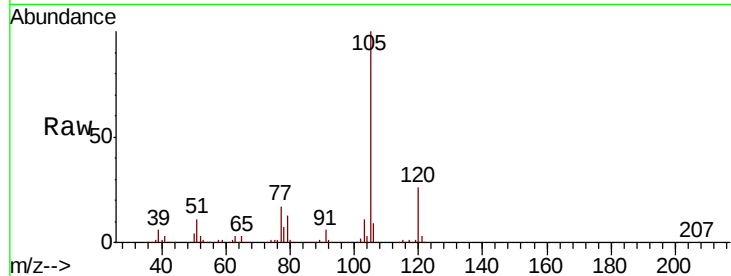
120 25.4 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

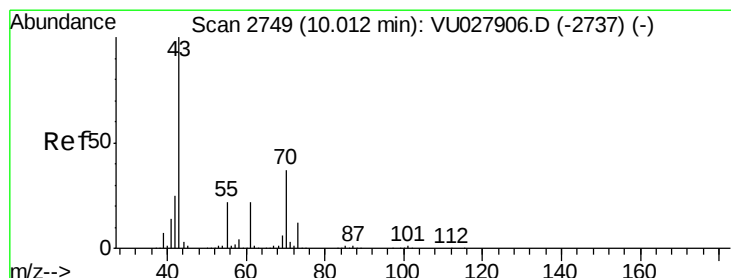
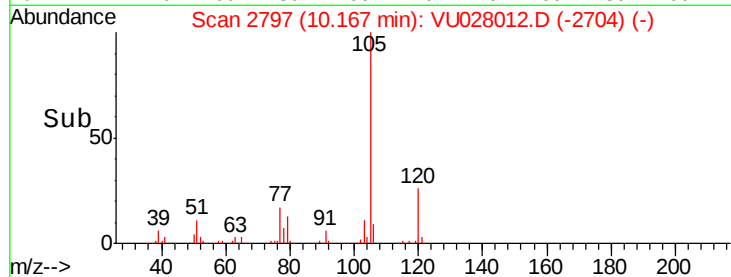
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.415 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion: 43 Resp: 325763

Ion Ratio Lower Upper

43 100

70 36.4 29.2 43.8

55 22.7 17.8 26.6

61 22.5 17.8 26.8

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

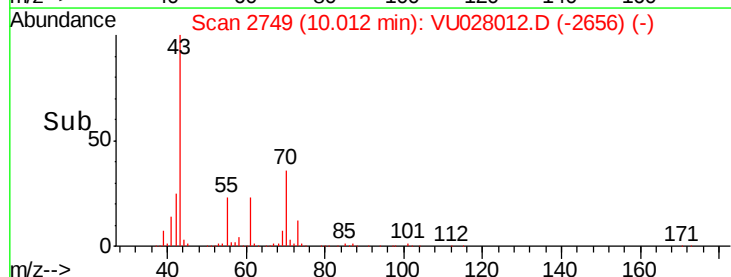
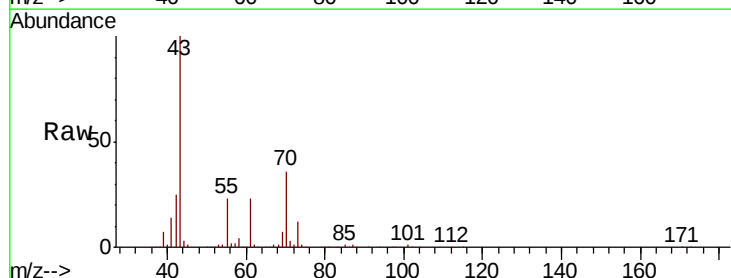
300000

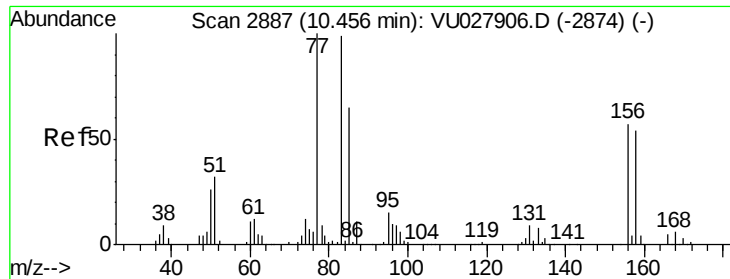
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.574 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 213457
Ion Ratio Lower Upper

83 100

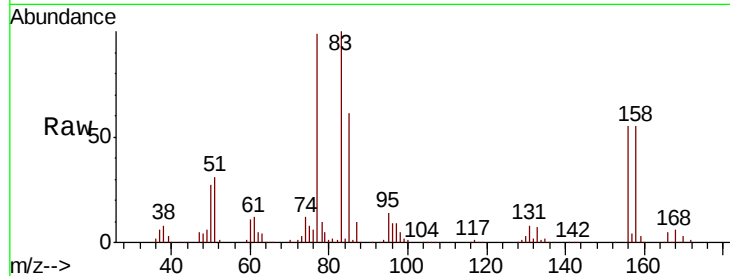
131 8.0 4.3 13.1

85 62.4 32.4 97.2

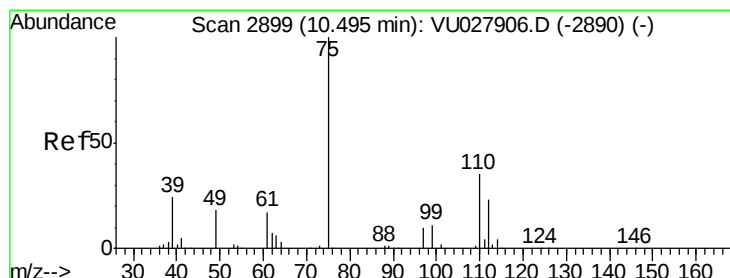
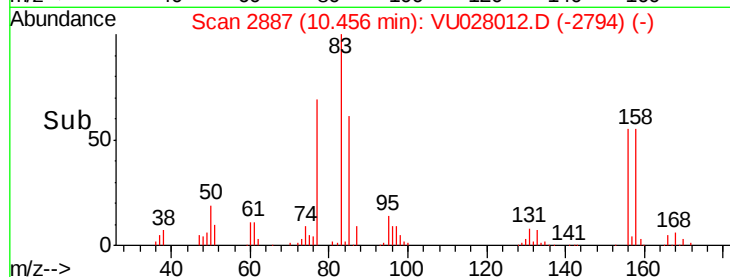
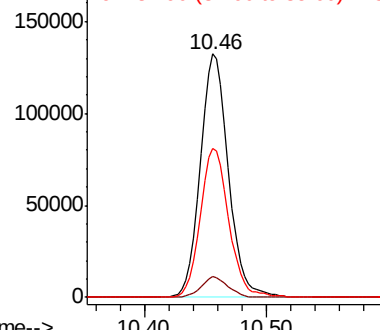
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 53.674 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

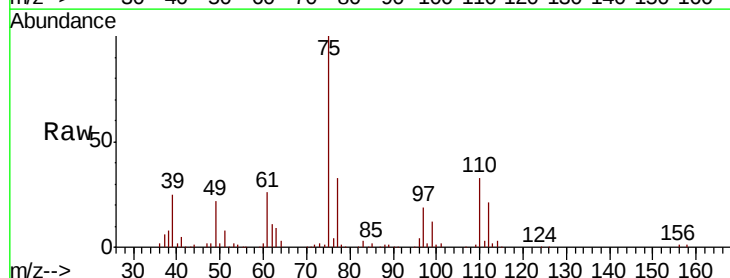
Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

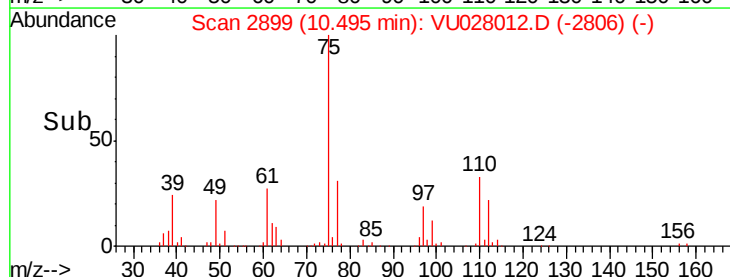
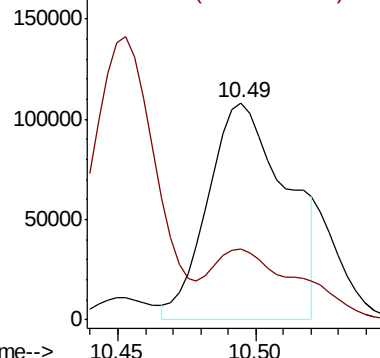
Tgt Ion: 75 Resp: 215327
Ion Ratio Lower Upper

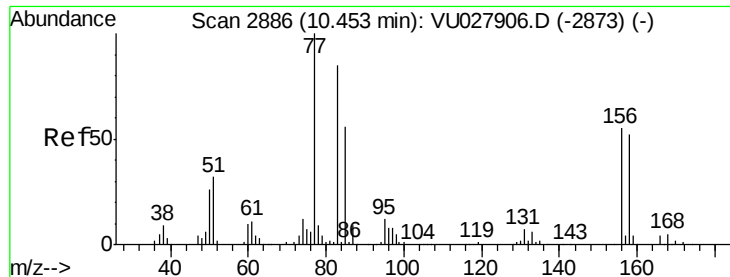
75 100

77 36.4 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 48.002 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

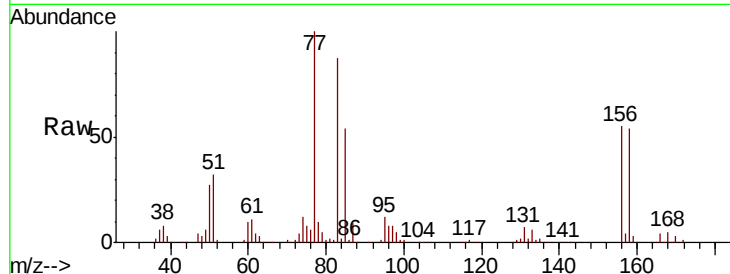
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	125061
Ion Ratio	Lower	Upper	
156	100		
77	181.7	91.8	275.6
158	96.7	48.4	145.2

Manual Integrations
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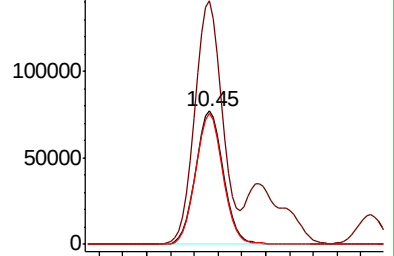
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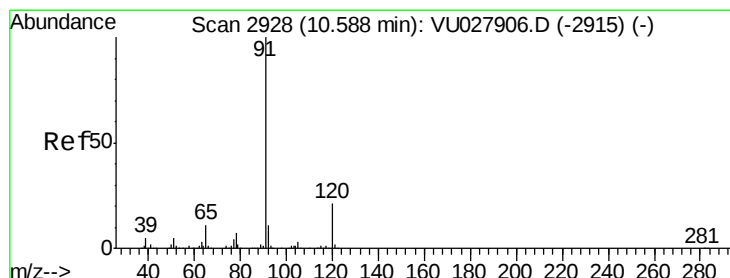
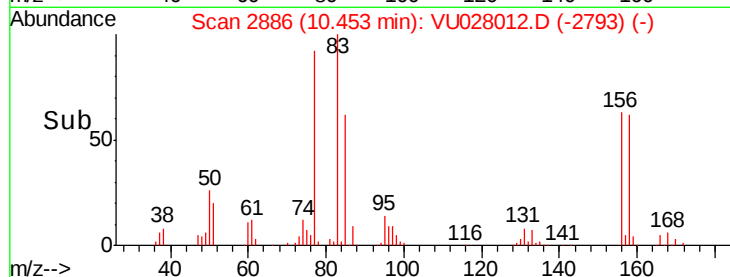
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 48.749 ug/l

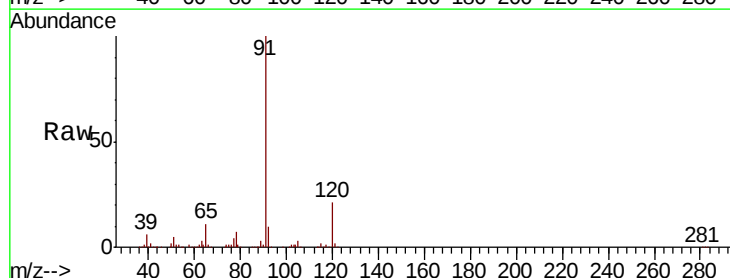
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028012.D

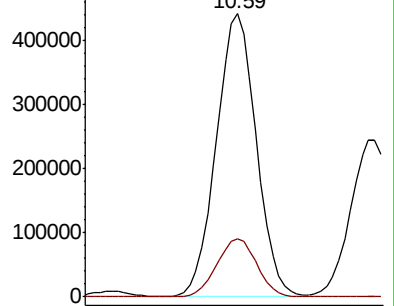
Acq: 08 Nov 2018 09:34

Tgt Ion:	91	Resp:	663011
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.6	31.8

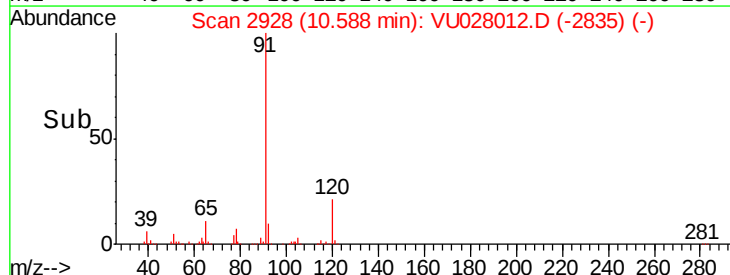


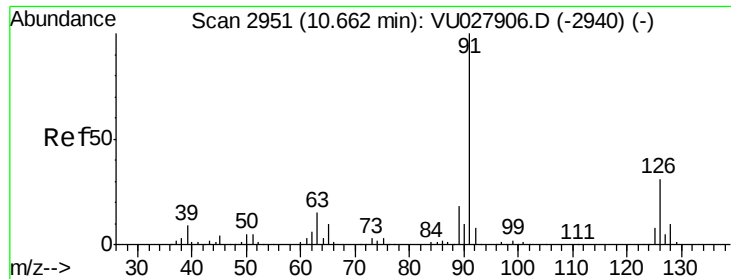
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 47.005 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 383193

Ion Ratio Lower Upper

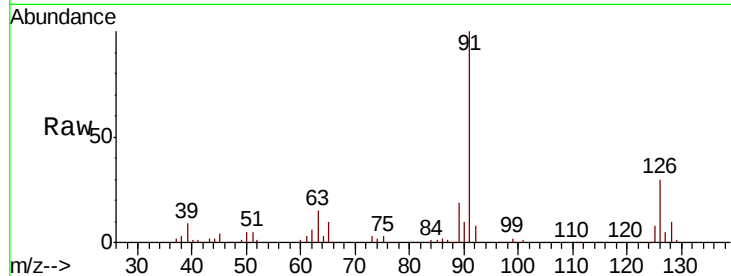
91 100

126 30.7 16.0 47.9

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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

500000

400000

300000

200000

100000

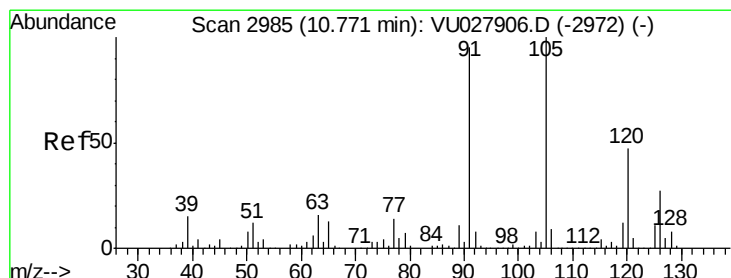
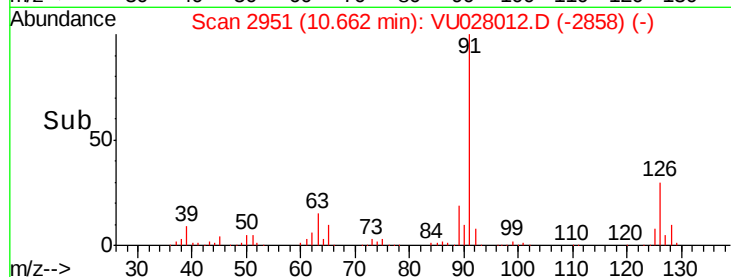
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.435 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028012.D

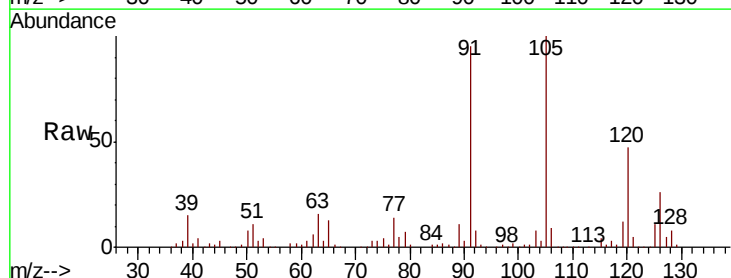
Acq: 08 Nov 2018 09:34

Tgt Ion: 105 Resp: 455884

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

300000

200000

100000

0

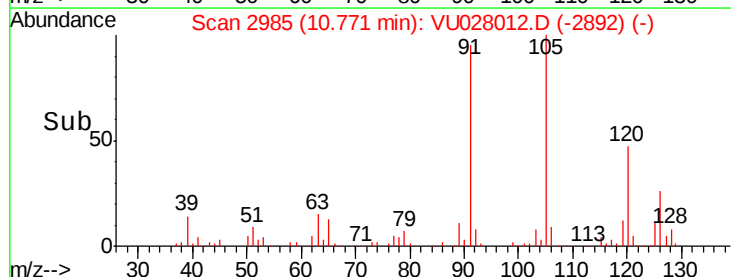
10.70

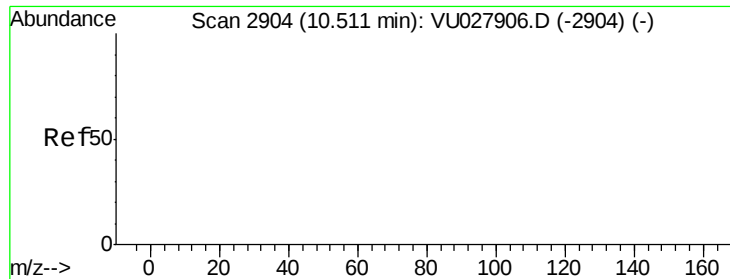
10.75

10.80

10.85

Time-->





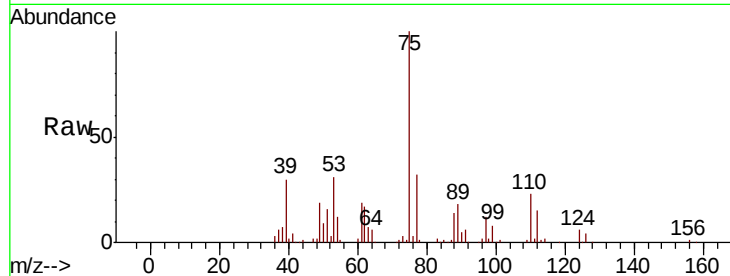
#81
trans-1,4-Dichloro-2-butene
Concen: 51.666 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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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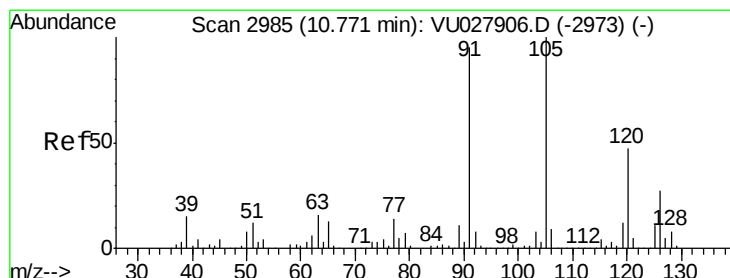
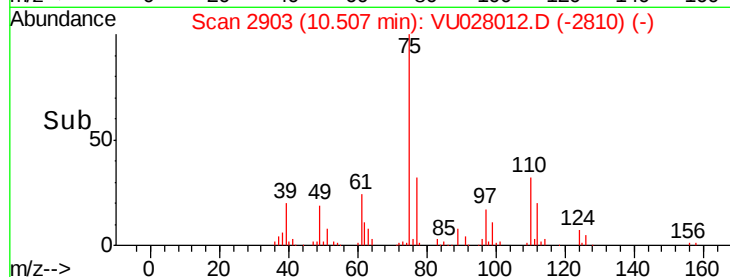
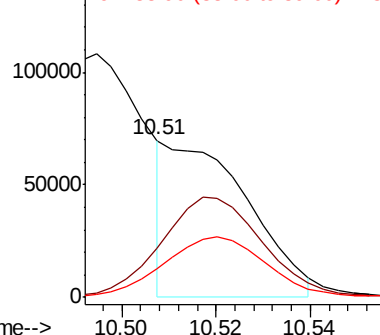
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Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2904) (-)

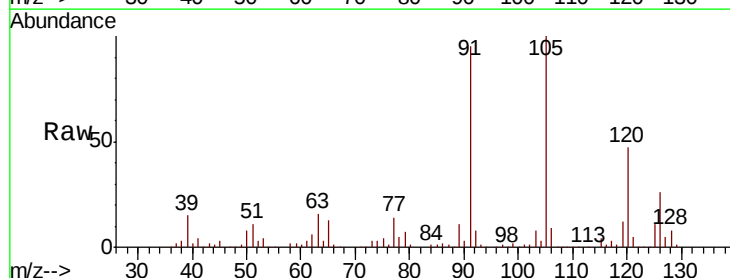
Ion 53.00 (52.70 to 53.70): VU027906.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU027906.D (-2904) (-)



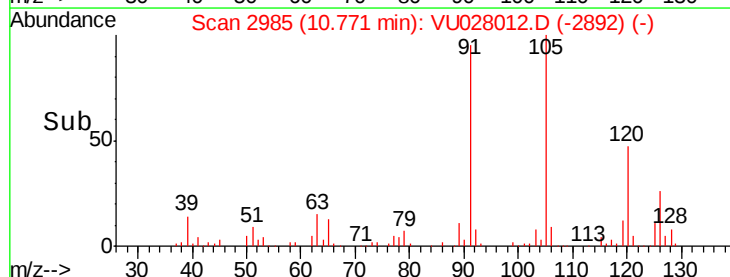
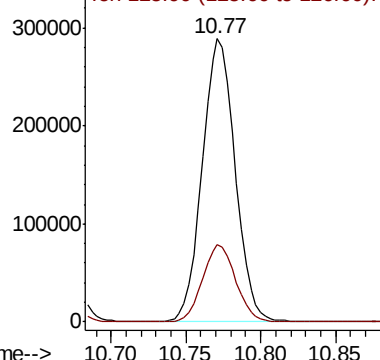
#82
4-Chlorotoluene
Concen: 47.535 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

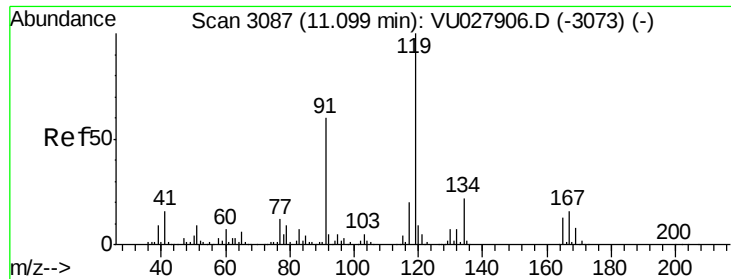
Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.2	42.6



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2973) (-)





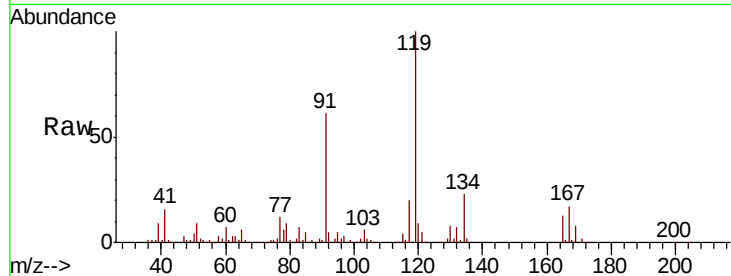
#83
tert-Butylbenzene
Concen: 46.666 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

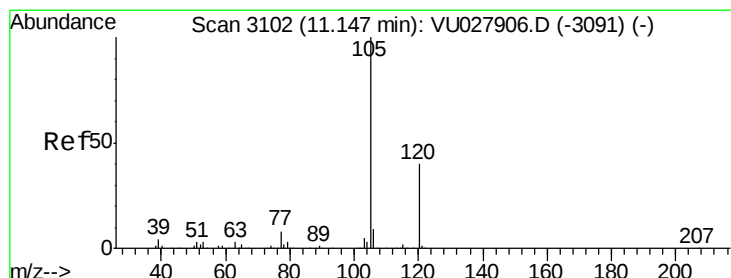
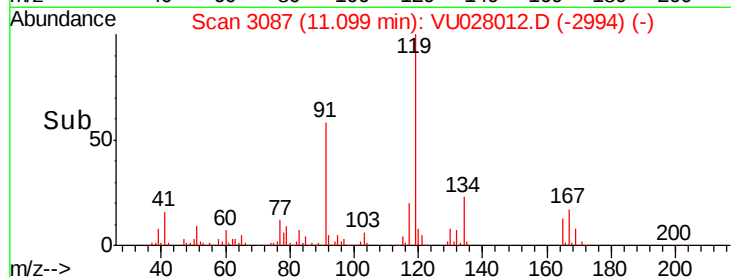
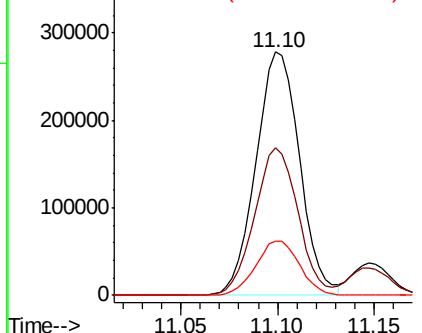
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.8	89.3
134	22.4	11.1	33.1

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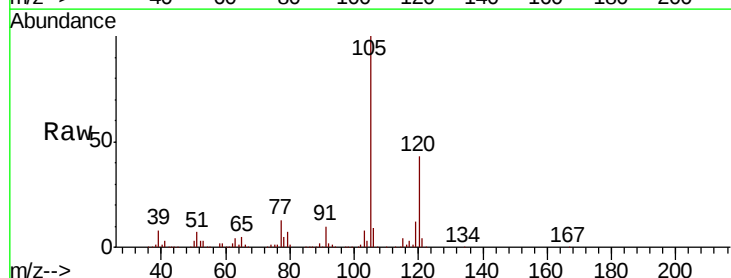


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

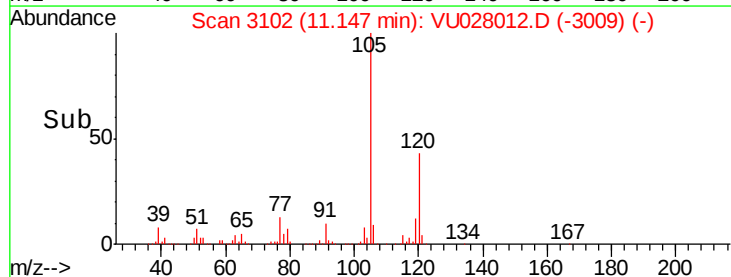
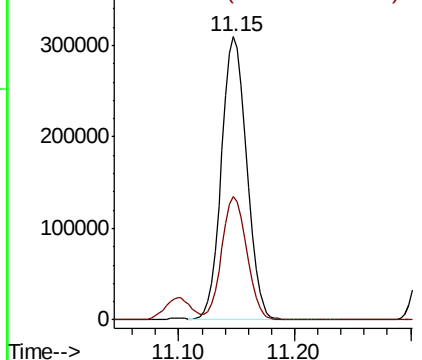


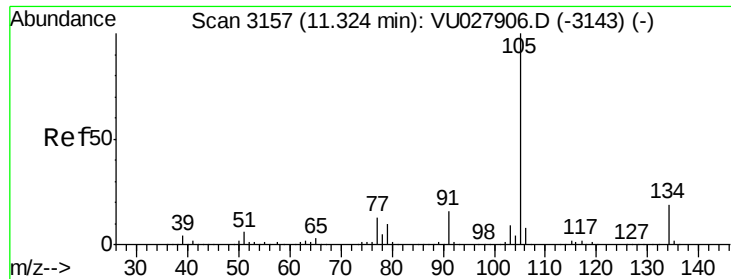
#84
1,2,4-Trimethylbenzene
Concen: 49.136 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1



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





#85

sec-Butylbenzene

Concen: 48.935 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 559991

Ion Ratio Lower Upper

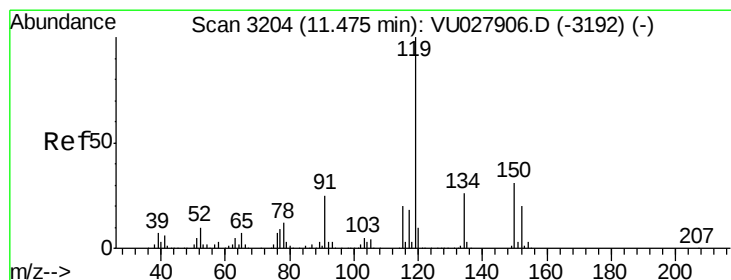
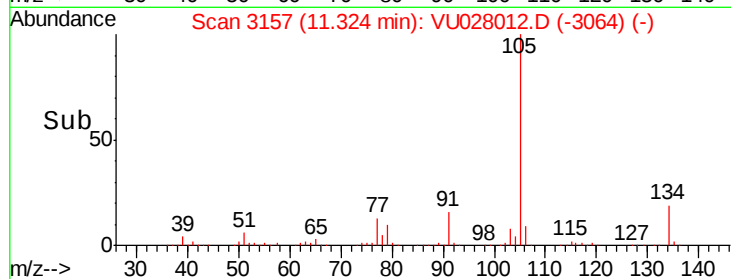
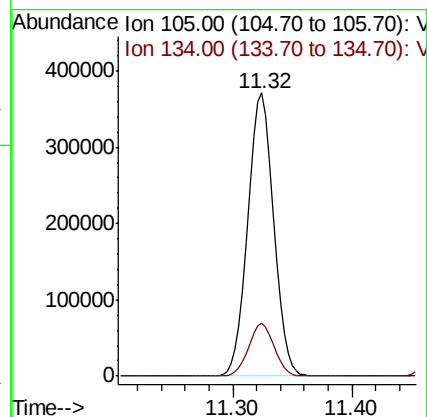
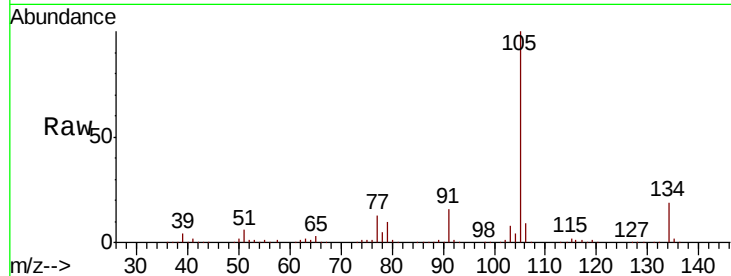
105 100

134 18.5 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 49.777 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

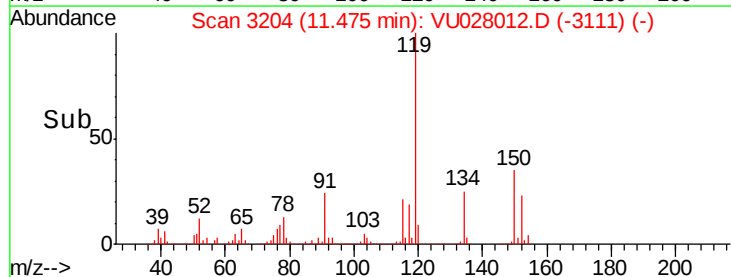
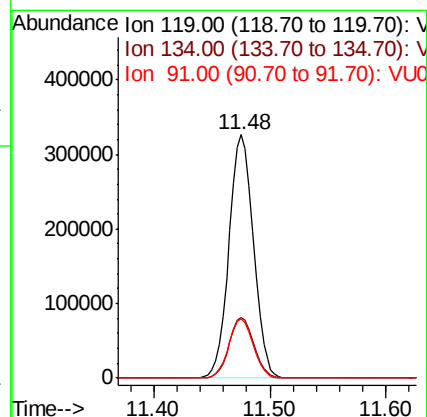
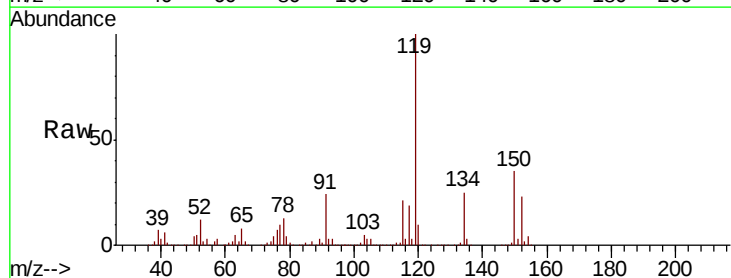
Tgt Ion:119 Resp: 476195

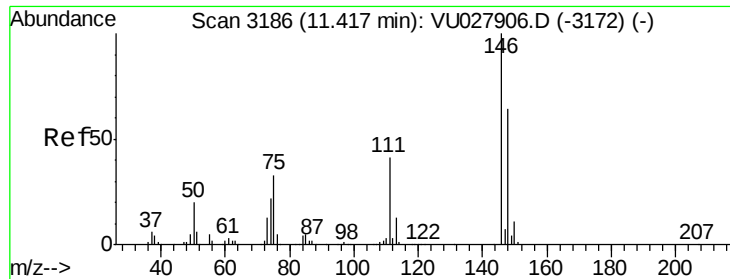
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 48.604 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Instrument :

MSVOA_U

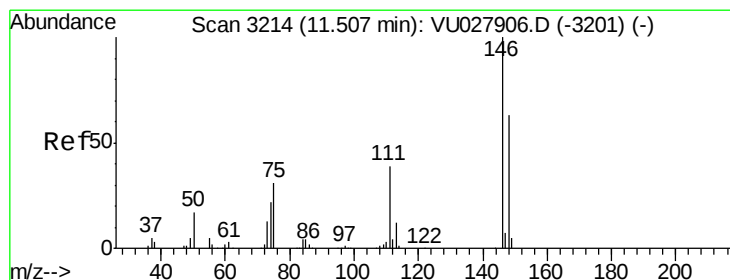
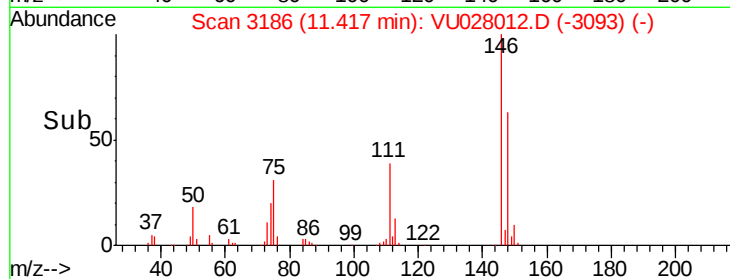
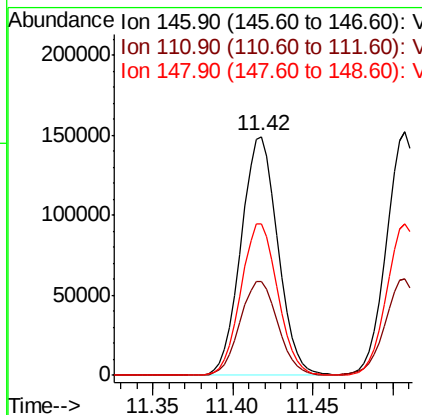
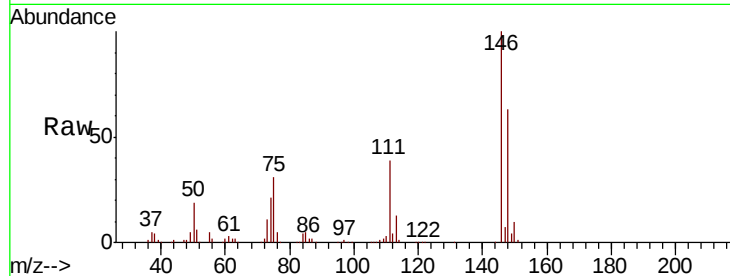
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	233923
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	61.0
148	63.8	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.387 ug/l

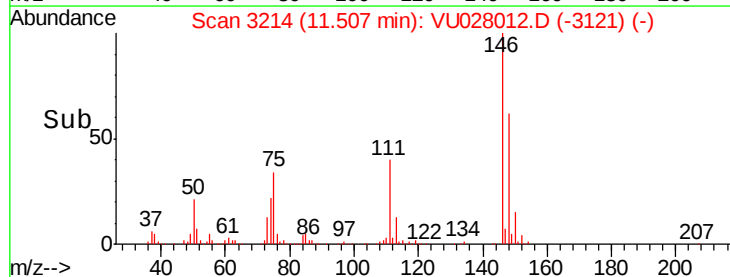
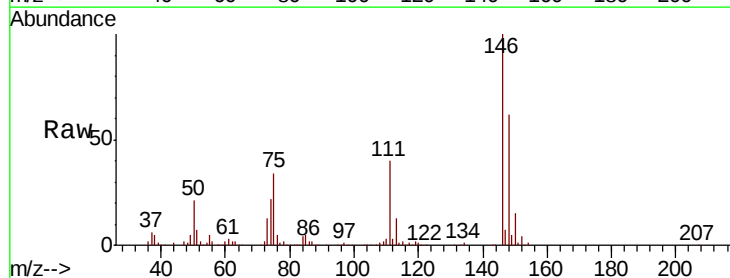
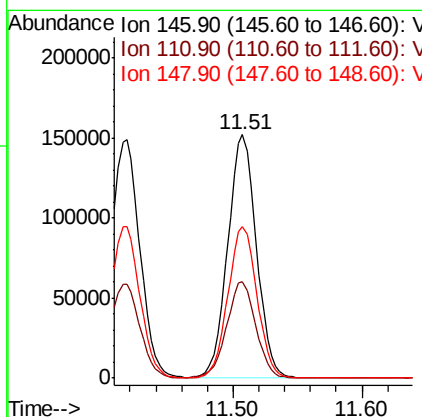
RT: 11.51 min Scan# 3214

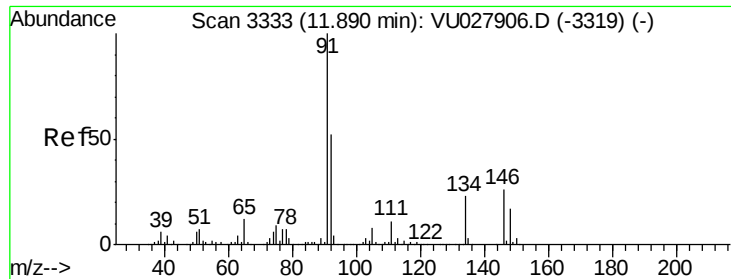
Delta R.T. -0.00 min

Lab File: VU028012.D

Acq: 08 Nov 2018 09:34

Tgt Ion:	146	Resp:	233759
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	63.3	32.0	96.2





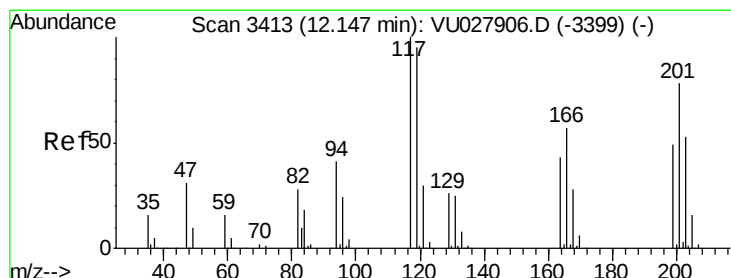
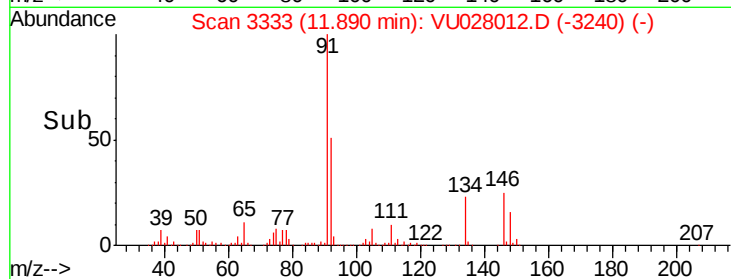
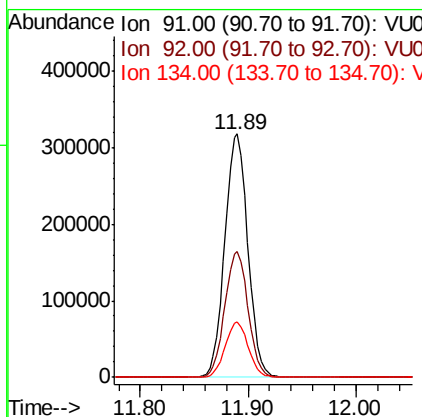
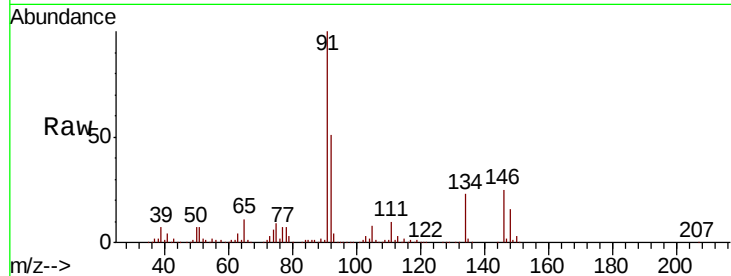
#89
n-Butylbenzene
Concen: 51.999 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	22.7	11.5	34.5

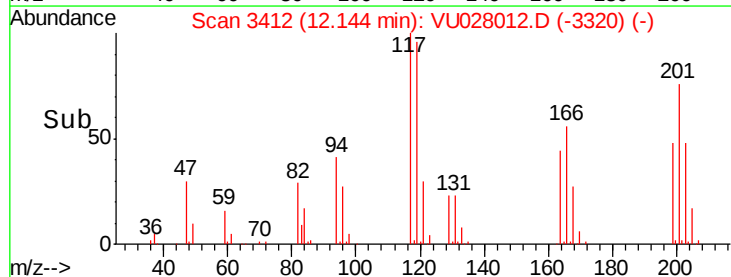
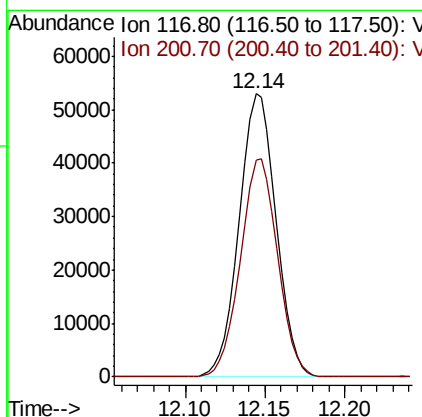
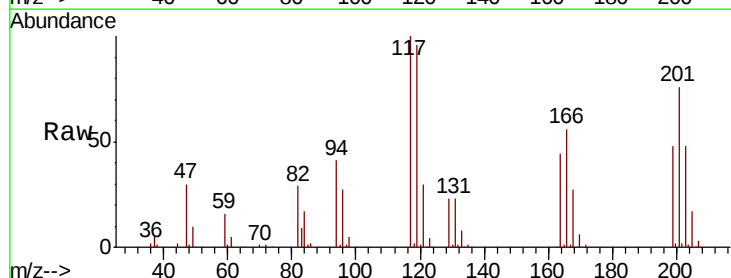
Manual Integrations
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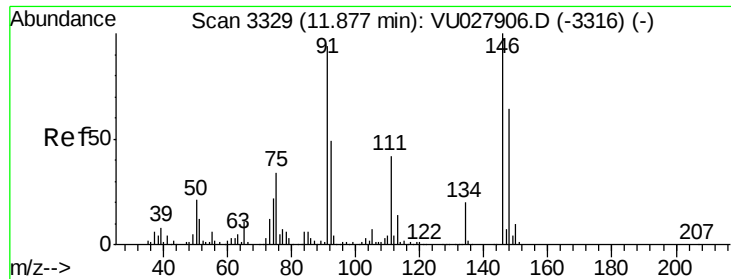
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#90
Hexachloroethane
Concen: 48.845 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	38.5	115.5





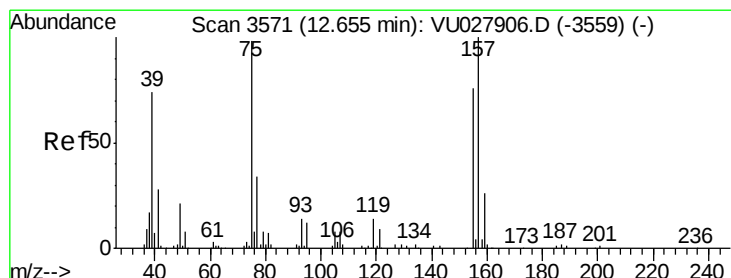
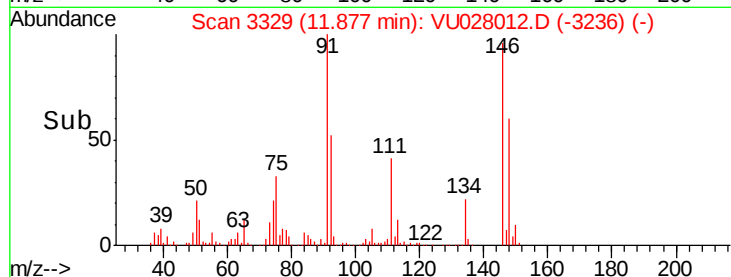
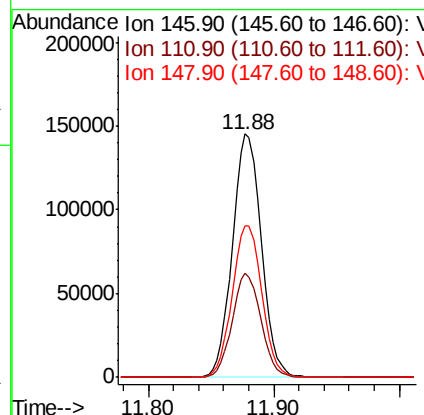
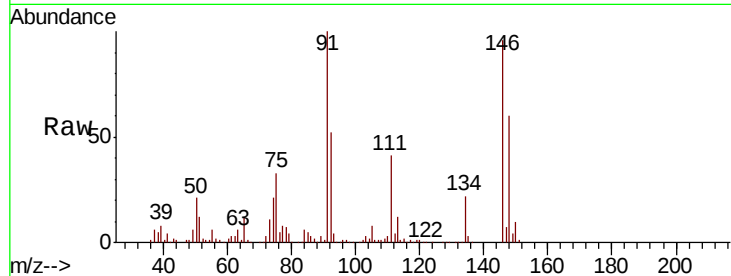
#91
1,2-Dichlorobenzene
Concen: 48.138 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.7	31.8	95.3

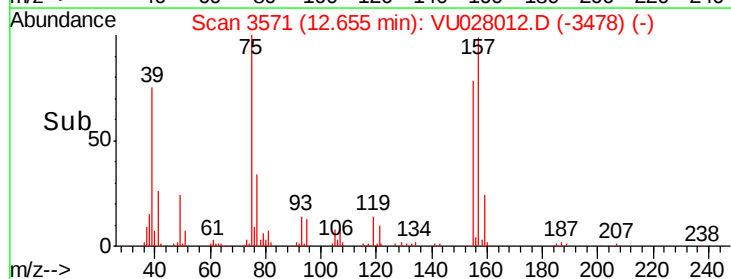
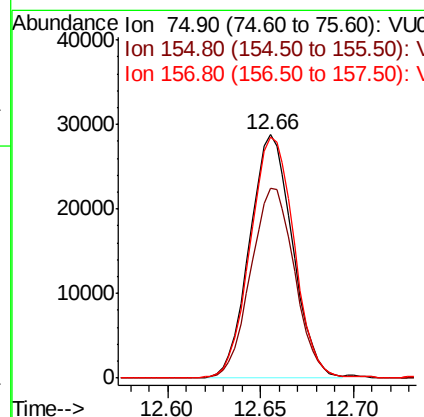
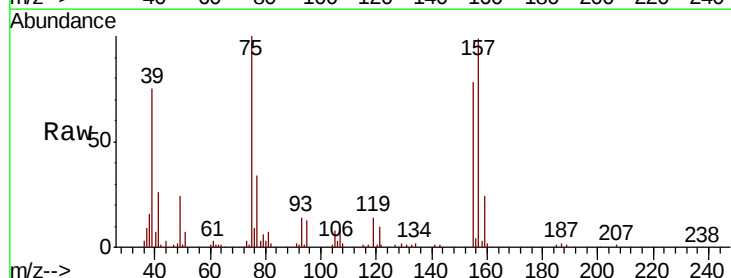
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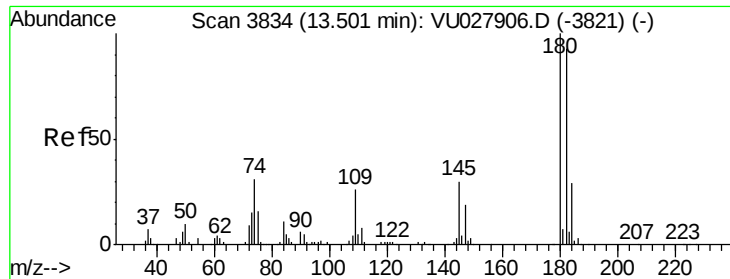
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11/9/2018 12:02:58 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.860 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. -0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	39.8	119.3
157	100.9	50.6	151.9





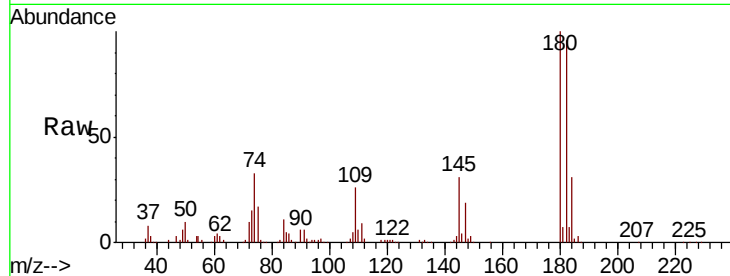
#93
 1,2,4-Trichlorobenzene
 Concen: 47.235 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

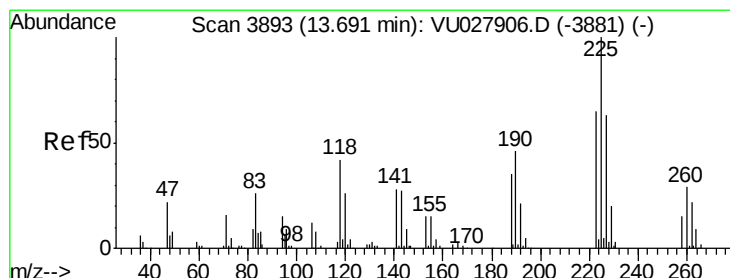
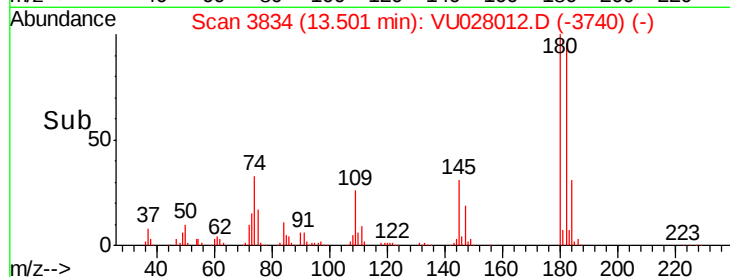
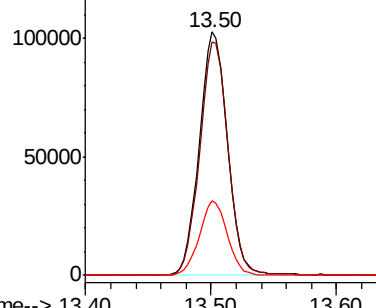
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.2
145	30.2	14.9	44.5

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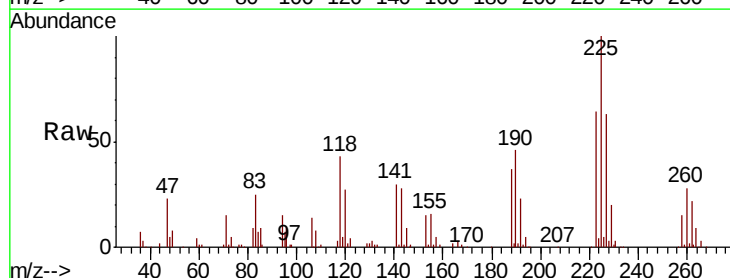


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

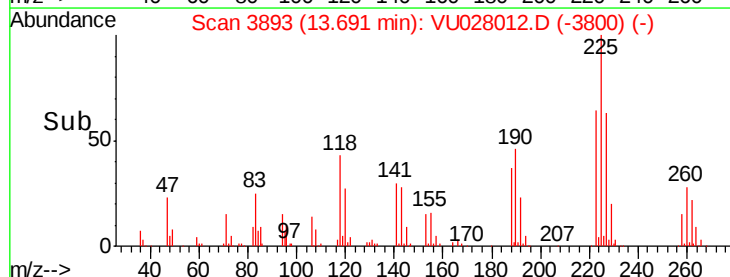
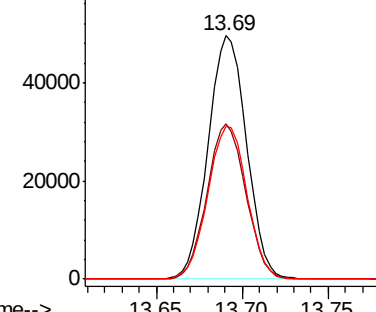


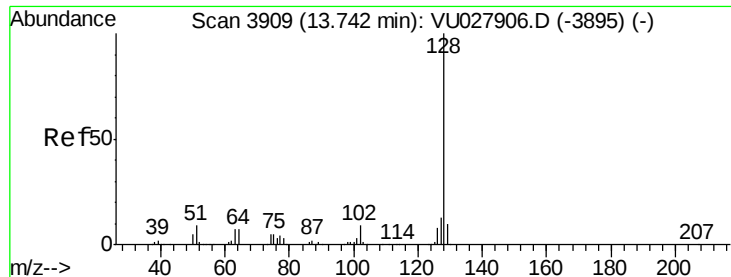
#94
 Hexachlorobutadiene
 Concen: 50.036 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028012.D
 Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.2	96.6
227	64.1	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





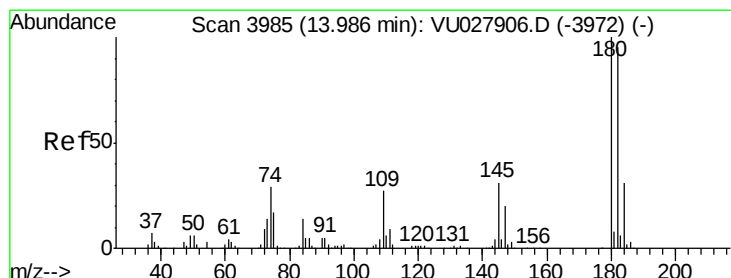
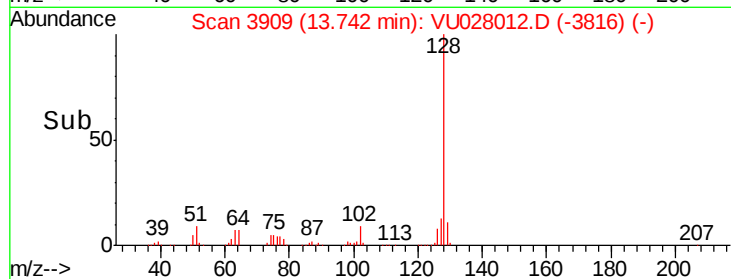
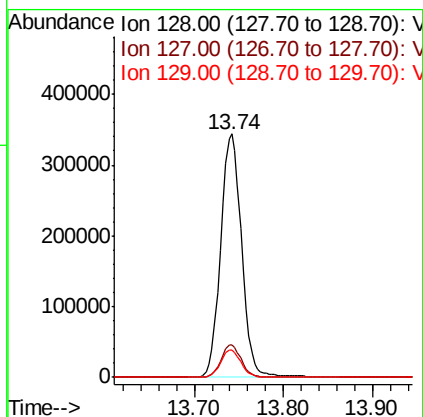
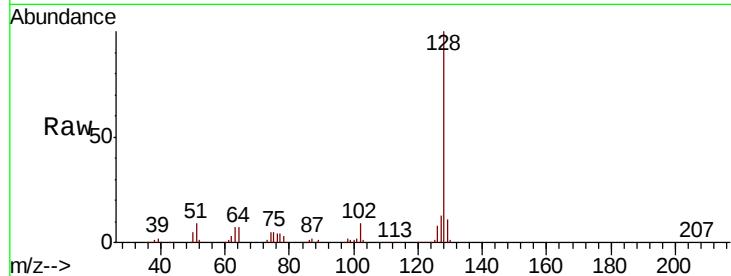
#95
Naphthalene
Concen: 46.633 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.3	12.5

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#96
1,2,3-Trichlorobenzene
Concen: 50.549 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028012.D
Acq: 08 Nov 2018 09:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	31.6	16.0	47.9

