

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028782.D
 Acq On : 19 Dec 2018 09:49
 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
 12/20/2018 8:58:34 AM

Quant Time: Dec 20 05:50:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	113774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	182532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	77811	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	
35) Dibromofluoromethane	4.88	113	64977	56.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	7.56	98	258356	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
62) 4-Bromofluorobenzene	10.30	95	93009	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	72988	47.862	ug/l	98
3) Chloromethane	1.33	50	113983	40.655	ug/l	100
4) Vinyl Chloride	1.40	62	96722	47.804	ug/l	100
5) Bromomethane	1.60	94	48074	58.984	ug/l	95
6) Chloroethane	1.68	64	55374	48.343	ug/l	97
7) Trichlorofluoromethane	1.88	101	103301	48.527	ug/l	96
8) Diethyl Ether	2.10	74	48391	48.588	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68080	53.474	ug/l	96
10) Methyl Iodide	2.41	142	66962	67.031	ug/l	95
11) Tert butyl alcohol	2.83	59	81768	211.378	ug/l	100
12) 1,1-Dichloroethene	2.28	96	66660	52.623	ug/l	87
13) Acrolein	2.19	56	65733	213.156	ug/l	99
14) Allyl chloride	2.59	41	120499	40.211	ug/l	95
15) Acrylonitrile	2.93	53	242773	226.052	ug/l	99
16) Acetone	2.32	43	240041	211.864	ug/l	92
17) Carbon Disulfide	2.47	76	220942	48.416	ug/l	100
18) Methyl Acetate	2.61	43	127889	43.544	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	227097	47.291	ug/l	99
20) Methylene Chloride	2.70	84	79545	47.626	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	72050	50.517	ug/l	93
22) Diisopropyl ether	3.57	45	253310	43.468	ug/l	97
23) Vinyl Acetate	3.52	43	1024466	213.128	ug/l	96
24) 1,1-Dichloroethane	3.44	63	141529	46.396	ug/l	98
25) 2-Butanone	4.26	43	330692	213.577	ug/l	94
26) 2,2-Dichloropropane	4.22	77	113772	47.070	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	83415	51.673	ug/l	90
28) Bromochloromethane	4.54	49	62629	45.162	ug/l	85
29) Tetrahydrofuran	4.63	42	206470	207.631	ug/l	91
30) Chloroform	4.67	83	130064	48.920	ug/l	100
31) Cyclohexane	4.99	56	139047	46.629	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	105844	47.934	ug/l	96
36) 1,1-Dichloropropene	5.13	75	102740	51.436	ug/l	96
37) Ethyl Acetate	4.38	43	114448	44.324	ug/l	95
38) Carbon Tetrachloride	5.13	117	84994	52.794	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	132317	54.299	ug/l	93
40) Benzene	5.39	78	322508	54.822	ug/l	97
41) Methacrylonitrile	4.54	41	65703	46.464	ug/l	94
42) 1,2-Dichloroethane	5.40	62	100788	48.945	ug/l	97
43) Isopropyl Acetate	5.55	43	187475	45.904	ug/l	95
44) Trichloroethene	6.18	130	75462	57.691	ug/l	94
45) 1,2-Dichloropropane	6.43	63	88268	53.357	ug/l	99
46) Dibromomethane	6.56	93	53309	54.311	ug/l	93
47) Bromodichloromethane	6.76	83	100127	52.422	ug/l	99
48) Methyl methacrylate	6.62	41	92745	45.664	ug/l	90
49) 1,4-Dioxane	6.61	88	37417	1166.761	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	585440	227.279	ug/l	94
52) Toluene	7.64	92	193978	56.028	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	119912	52.713	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	131280	53.192	ug/l	92
55) 1,1,2-Trichloroethane	8.06	97	78993	57.719	ug/l	99
56) Ethyl methacrylate	8.02	69	124940	53.311	ug/l	88
57) 1,3-Dichloropropane	8.24	76	136033	53.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	288676	240.482	ug/l	95
59) 2-Hexanone	8.36	43	459735	225.178	ug/l	90
60) Dibromochloromethane	8.48	129	74735	55.776	ug/l	100
61) 1,2-Dibromoethane	8.58	107	82569	57.533	ug/l	100
64) Tetrachloroethene	8.22	164	66608	58.075	ug/l	99
65) Chlorobenzene	9.12	112	207133	56.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69363	59.282	ug/l	98
67) Ethyl Benzene	9.25	91	366064	54.347	ug/l	99
68) m/p-Xylenes	9.37	106	279595	114.077	ug/l	97
69) o-Xylene	9.78	106	136079	57.132	ug/l	95
70) Styrene	9.79	104	226079	57.355	ug/l	97
71) Bromoform	9.96	173	58998	59.274	ug/l #	99
73) Isopropylbenzene	10.16	105	356777	52.658	ug/l	99
74) N-amyl acetate	10.01	43	164772	42.160	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	137547	52.848	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	117106m	51.939	ug/l	
77) Bromobenzene	10.45	156	88116	55.608	ug/l	91
78) n-propylbenzene	10.58	91	434049	51.556	ug/l	97
79) 2-Chlorotoluene	10.66	91	250450	51.644	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	300222	53.531	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	48707m	53.081	ug/l	
82) 4-Chlorotoluene	10.77	91	293078	50.999	ug/l	96
83) tert-Butylbenzene	11.10	119	288984	53.459	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	308767	53.420	ug/l	97
85) sec-Butylbenzene	11.32	105	367458	52.913	ug/l	98
86) p-Isopropyltoluene	11.48	119	315822	53.536	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	163817	54.750	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	164182	53.036	ug/l	98
89) n-Butylbenzene	11.89	91	301956	50.576	ug/l	99
90) Hexachloroethane	12.14	117	48359	54.235	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	161577	53.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26948	47.824	ug/l	86

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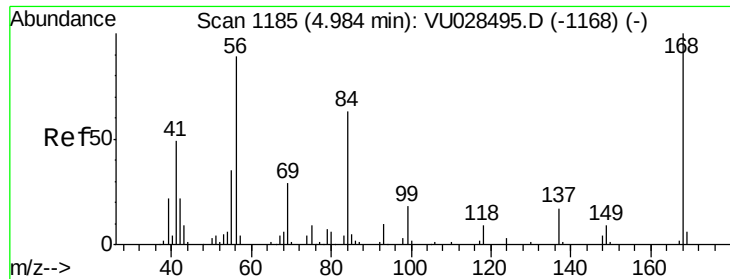
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	109860	53.360	ug/l	99
94) Hexachlorobutadiene	13.69	225	49633	50.626	ug/l	95
95) Naphthalene	13.74	128	351649	48.963	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	109733	53.599	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 113774

Ion Ratio Lower Upper

168 100

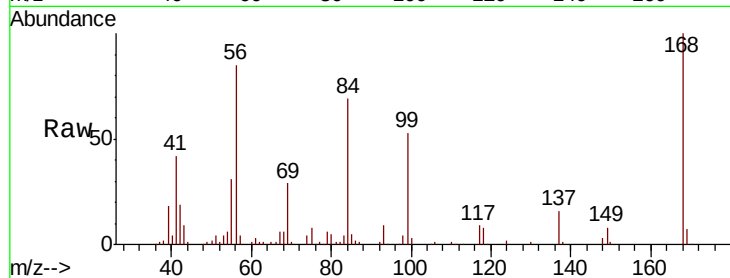
99 52.3 46.6 69.8

Manual Integrations

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

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

4.98

50000

40000

30000

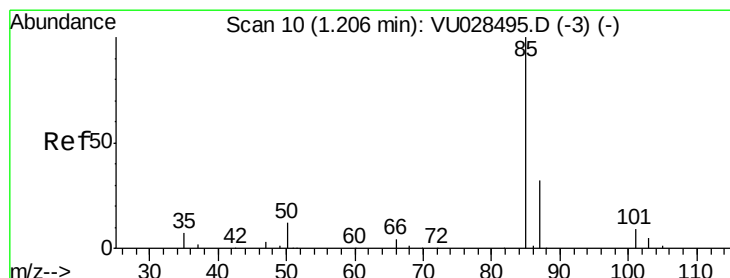
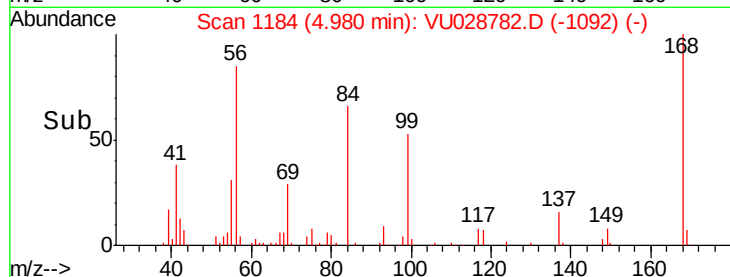
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.862 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028782.D

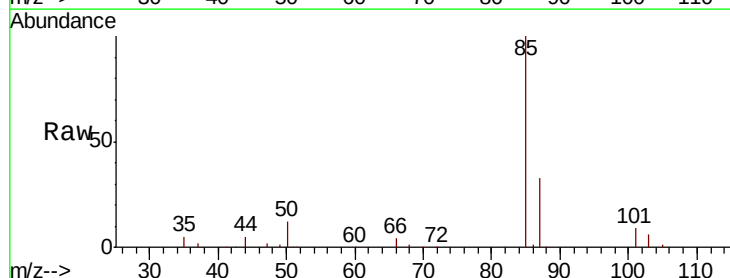
Acq: 19 Dec 2018 09:49

Tgt Ion: 85 Resp: 72988

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.6



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

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

1.21

80000

60000

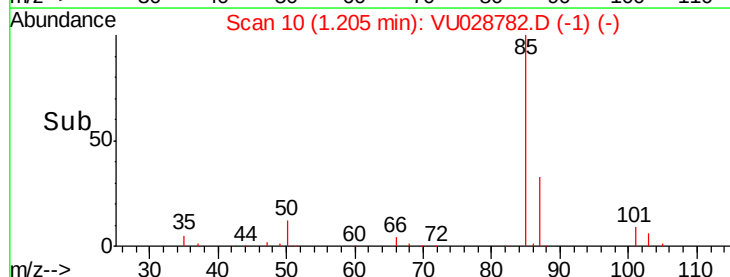
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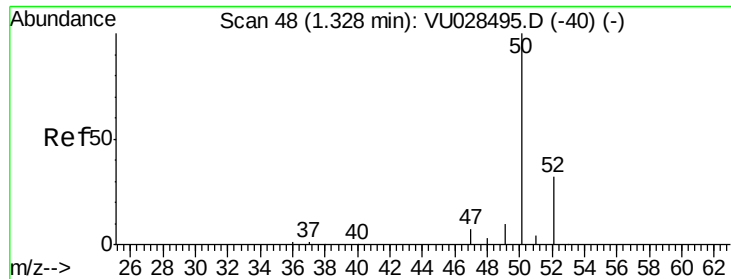
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 40.655 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 113983

Ion Ratio Lower Upper

50 100

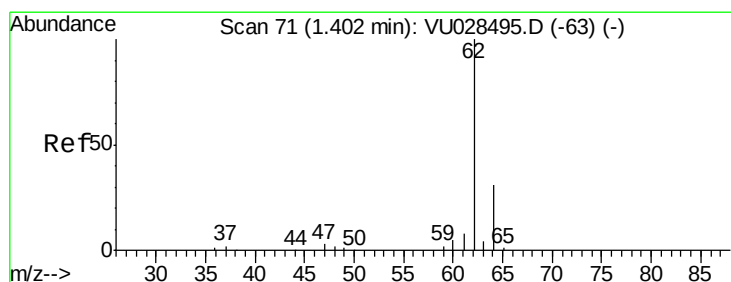
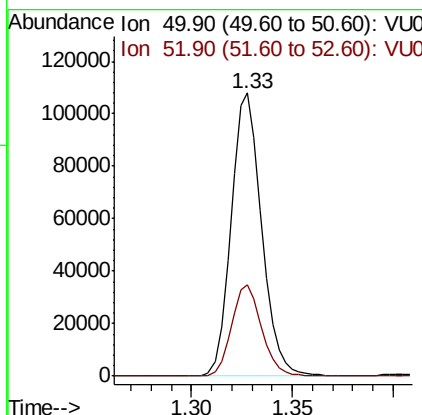
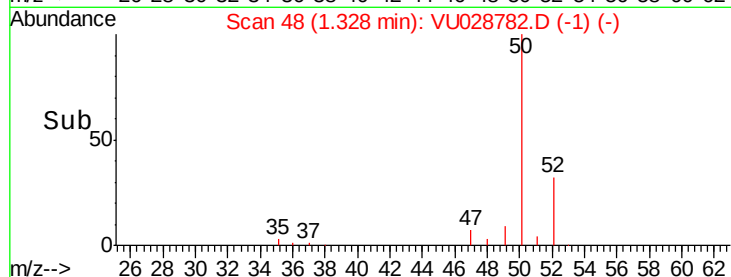
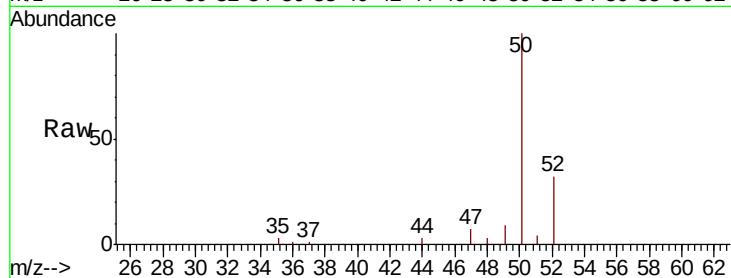
52 32.1 25.5 38.3

Manual Integrations

APPROVED

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12/20/2018 8:58:34 AM



#4

Vinyl Chloride

Concen: 47.804 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028782.D

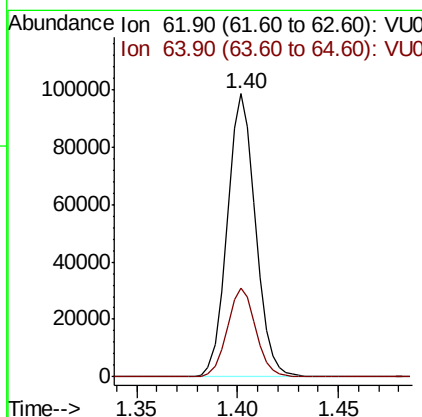
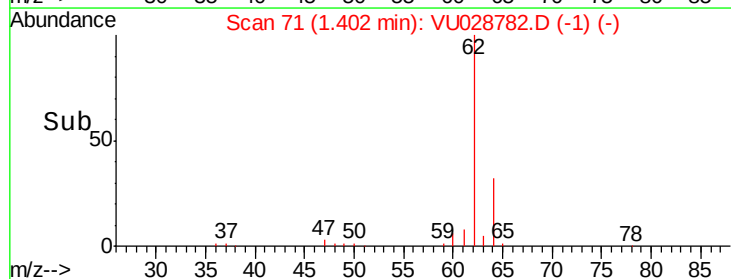
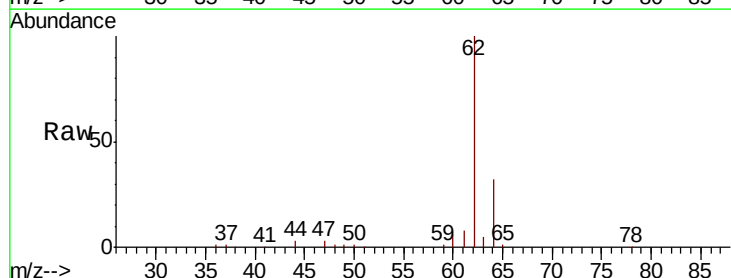
Acq: 19 Dec 2018 09:49

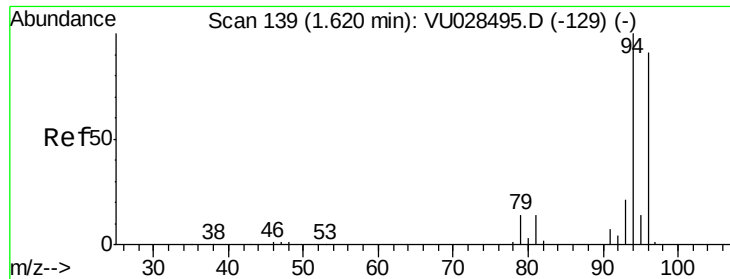
Tgt Ion: 62 Resp: 96722

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 58.984 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48074

Ion Ratio Lower Upper

94 100

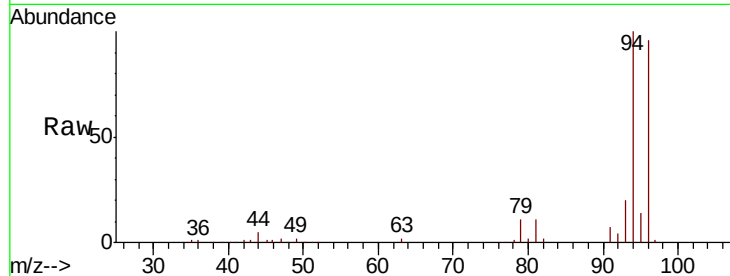
96 96.0 73.2 109.8

Manual Integrations

APPROVED

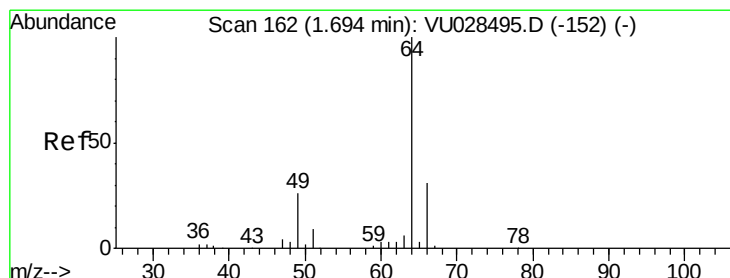
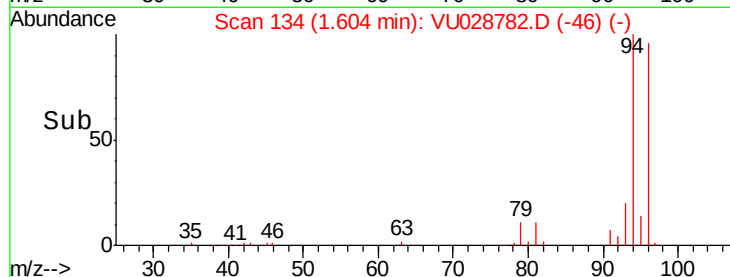
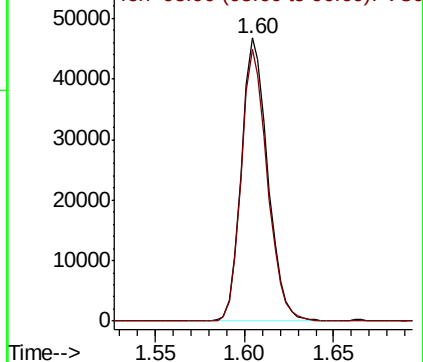
MMDadoda

12/20/2018 8:58:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.343 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028782.D

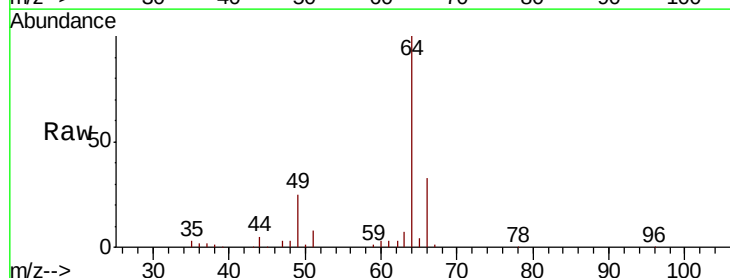
Acq: 19 Dec 2018 09:49

Tgt Ion: 64 Resp: 55374

Ion Ratio Lower Upper

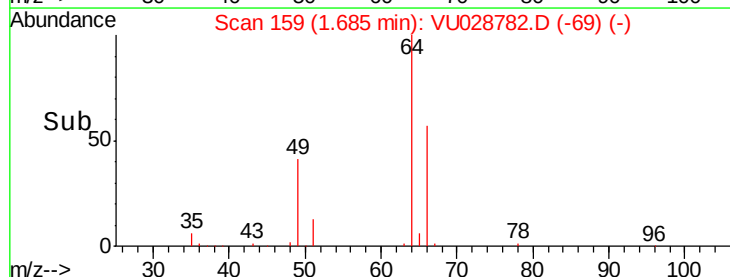
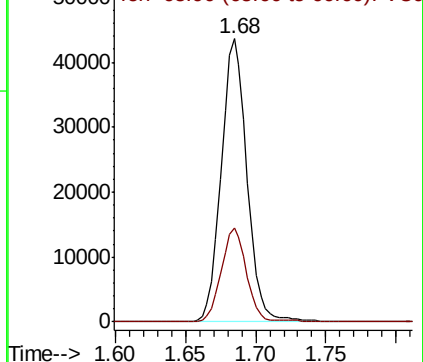
64 100

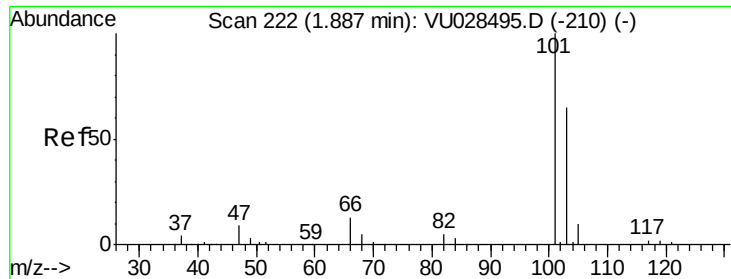
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

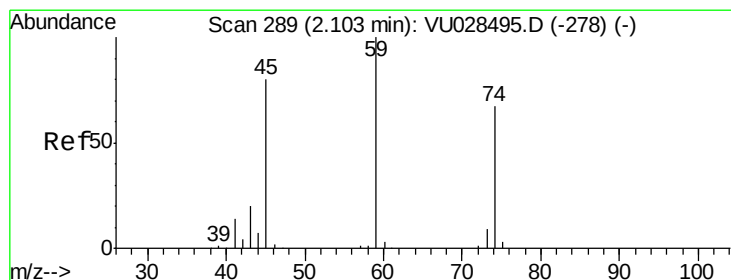
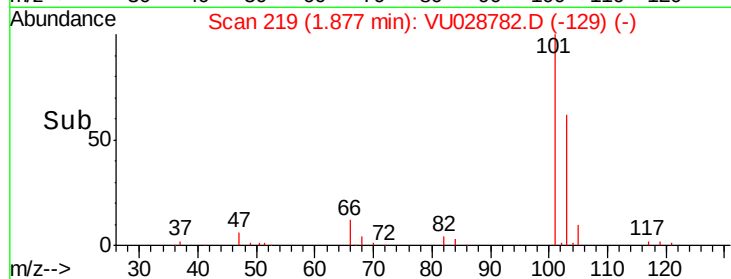
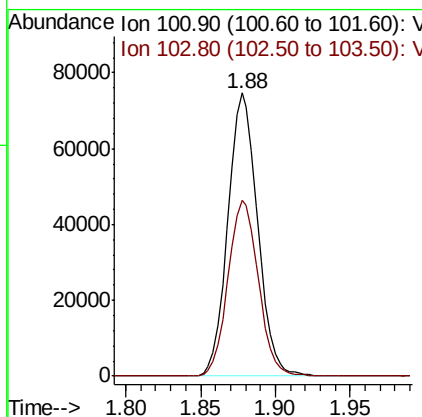
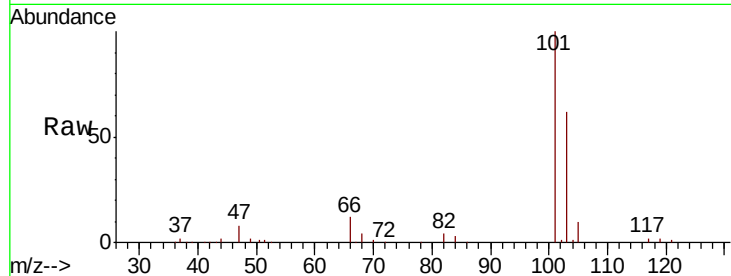
Trichlorofluoromethane
Concen: 48.527 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.3	78.5

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APPROVED

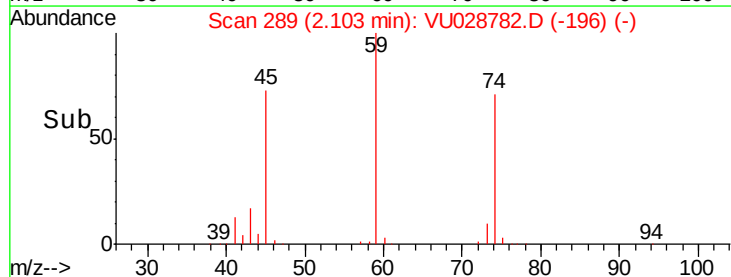
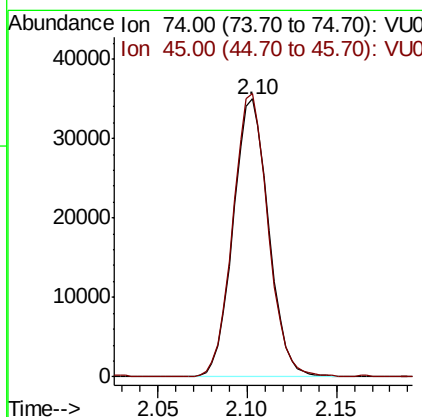
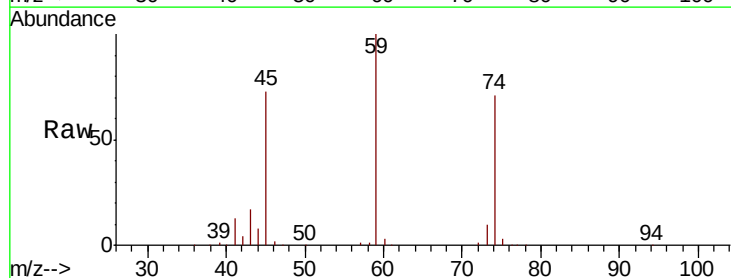
MMDadoda
12/20/2018 8:58:34 AM

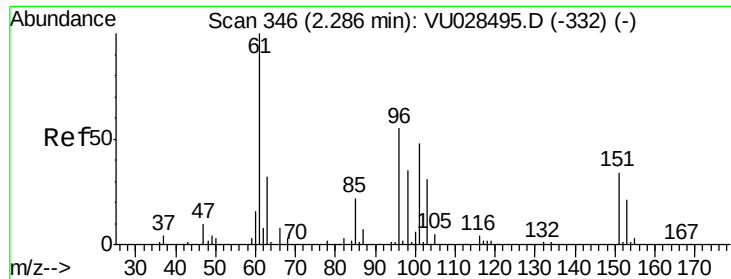


#8

Diethyl Ether
Concen: 48.588 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.474 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

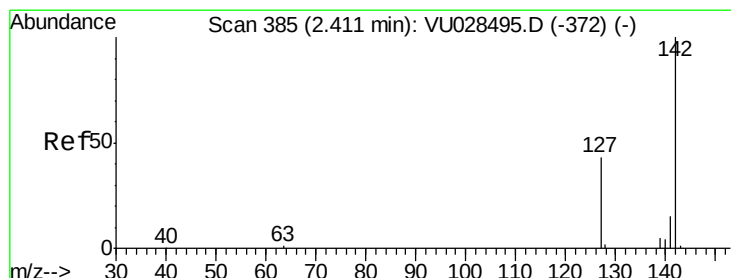
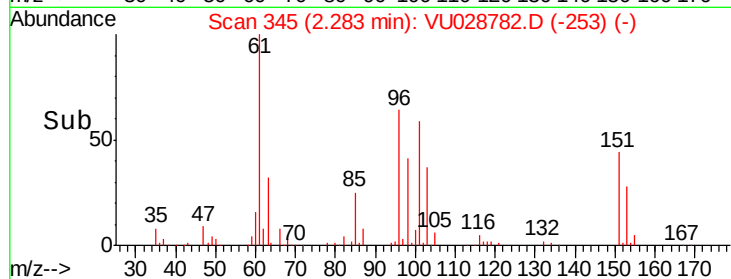
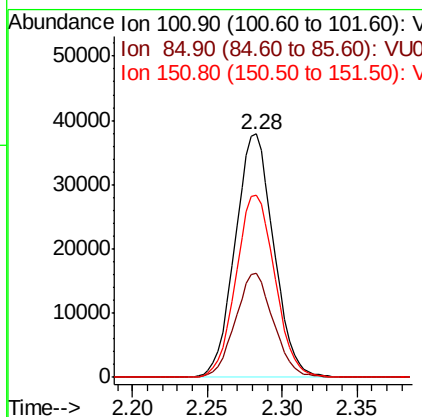
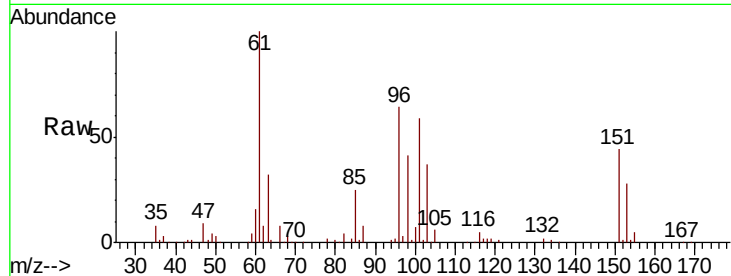
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	68080
Ion Ratio	Lower	Upper	
101	100		
85	42.2	36.4	54.6
151	75.6	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 67.031 ug/l

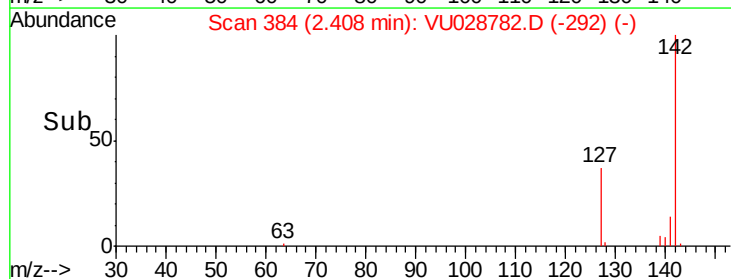
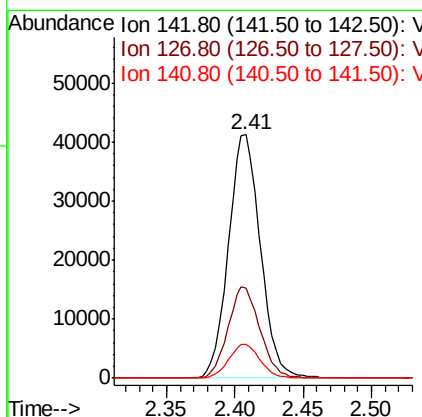
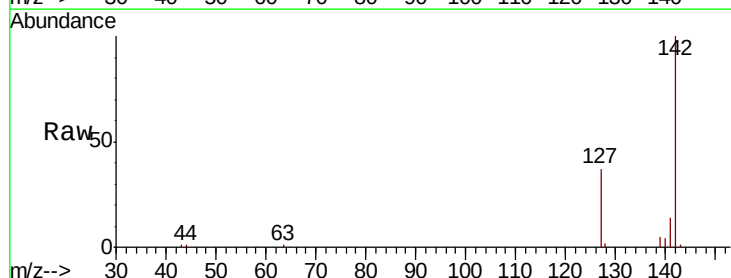
RT: 2.41 min Scan# 384

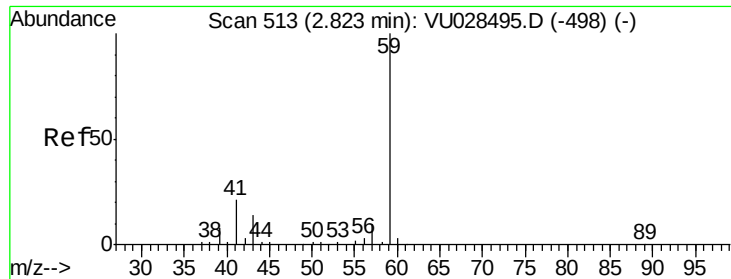
Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion:	142	Resp:	66962
Ion Ratio	Lower	Upper	
142	100		
127	37.5	33.5	50.3
141	13.8	11.2	16.8





#11

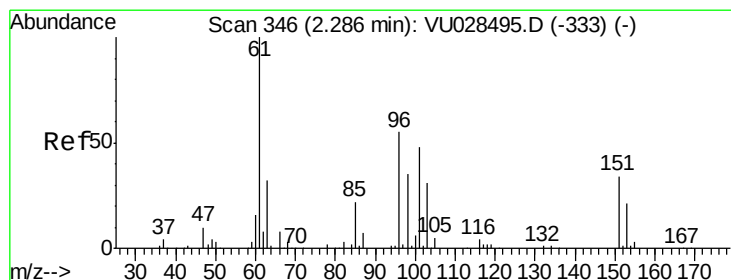
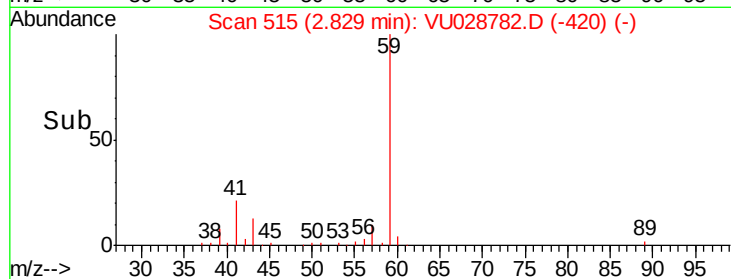
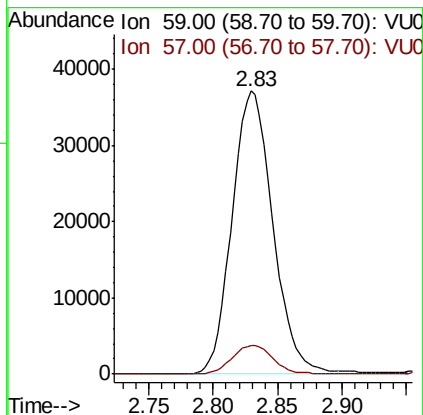
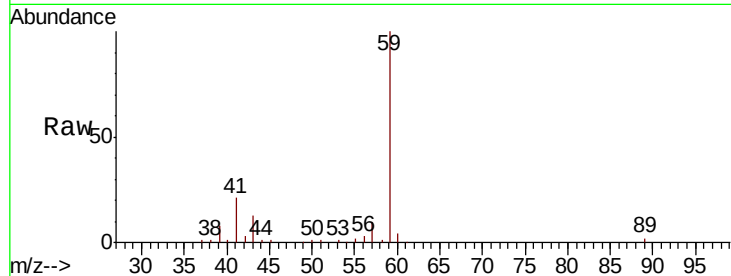
Tert butyl alcohol
Concen: 211.378 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
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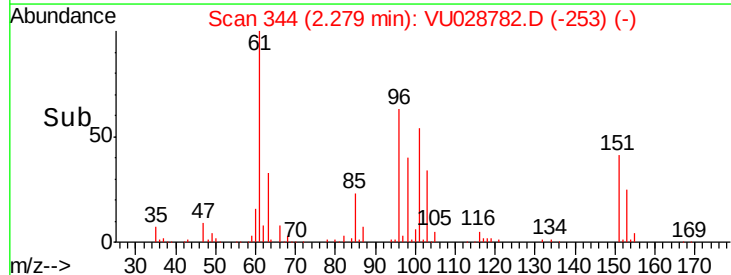
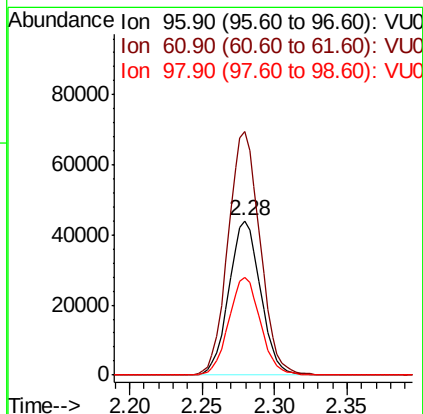
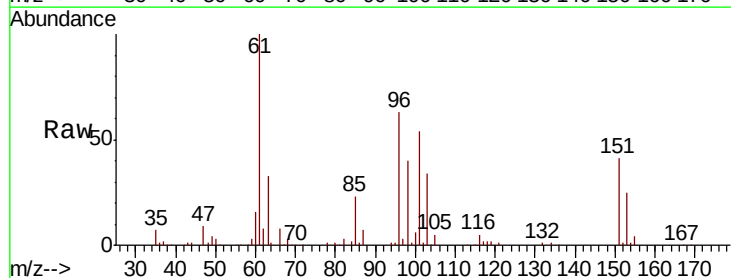
MMDadoda
12/20/2018 8:58:34 AM

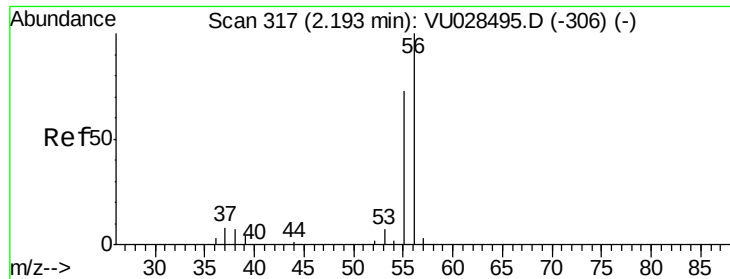


#12

1,1-Dichloroethene
Concen: 52.623 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	146.4	219.6
98	63.4	51.8	77.8





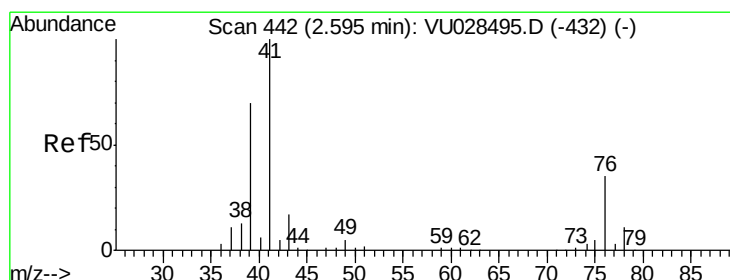
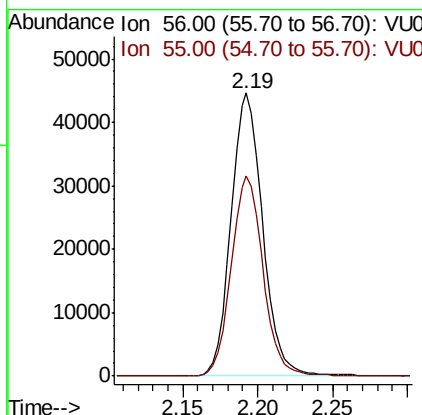
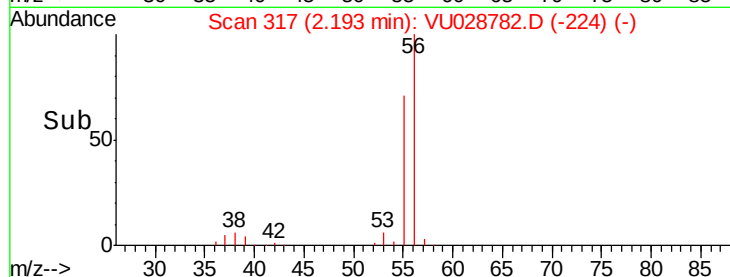
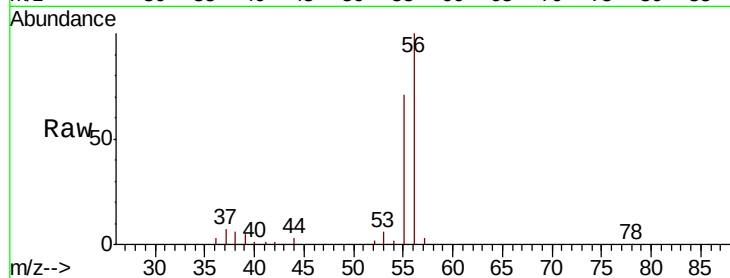
#13
 Acrolein
 Concen: 213.156 ug/l
 RT: 2.19 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
65733	100	70.8		57.5	86.3

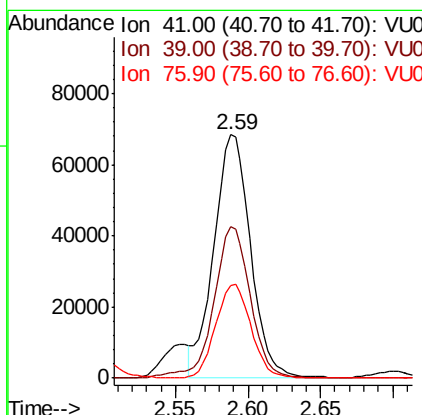
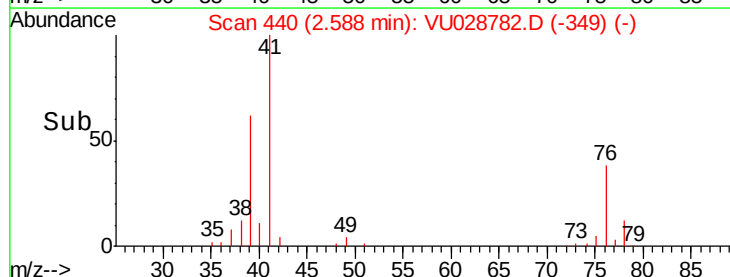
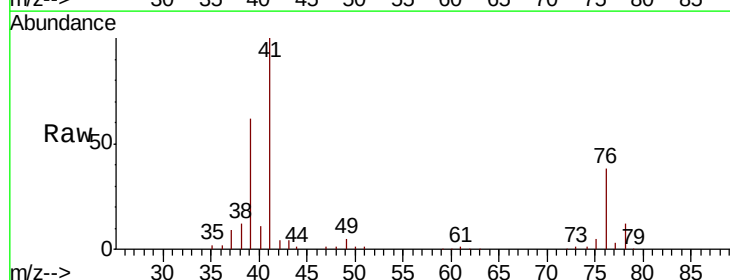
Manual Integrations
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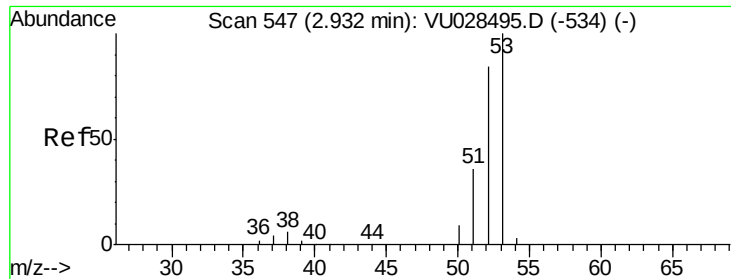
MMDadoda
 12/20/2018 8:58:34 AM



#14
 Allyl chloride
 Concen: 40.211 ug/l
 RT: 2.59 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	41	39	76	Resp	Lower	Upper
120499	100	61.6	36.9		50.8	76.2





#15

Acrylonitrile

Concen: 226.052 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

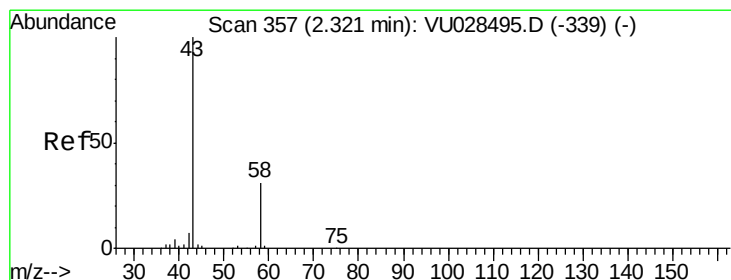
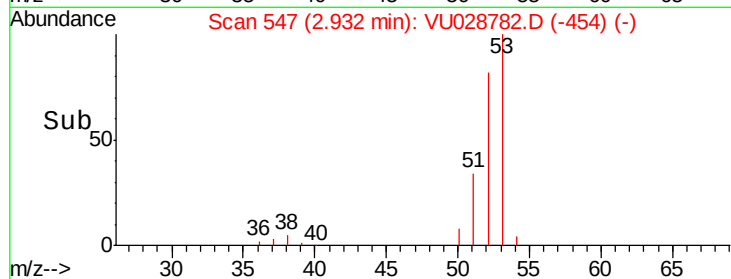
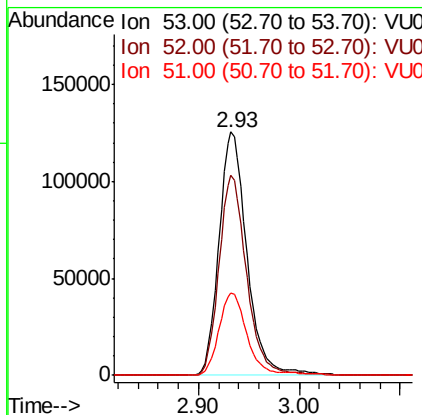
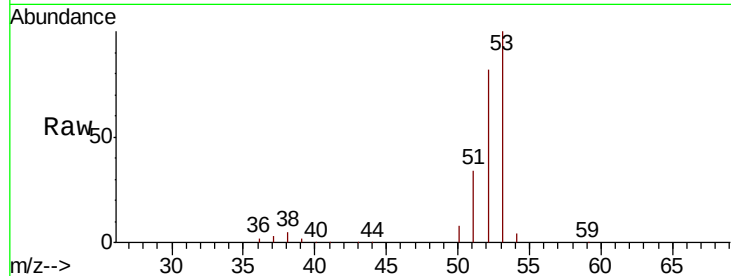
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	242773
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.1	99.1
51	34.5	28.1	42.1

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 211.864 ug/l

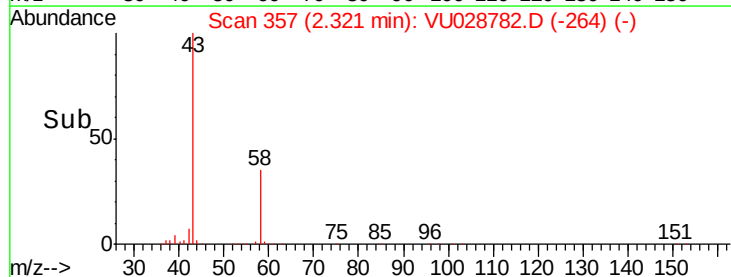
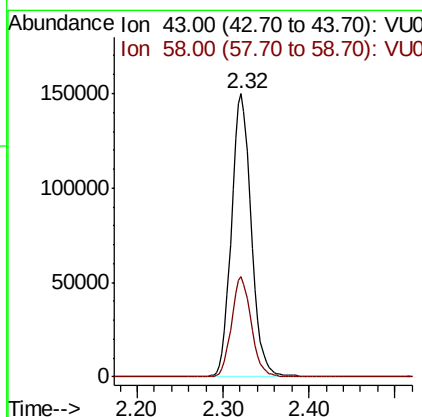
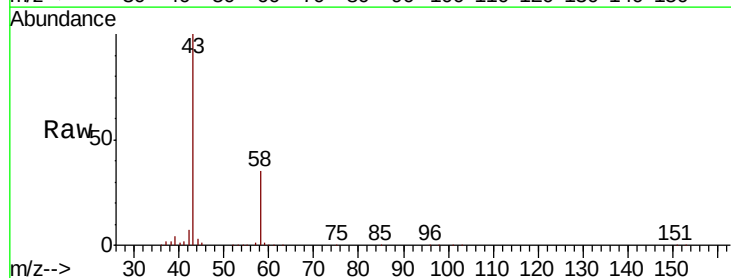
RT: 2.32 min Scan# 357

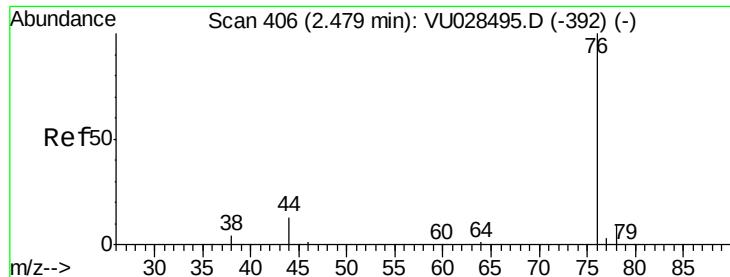
Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion:	43	Resp:	240041
Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.6	37.0





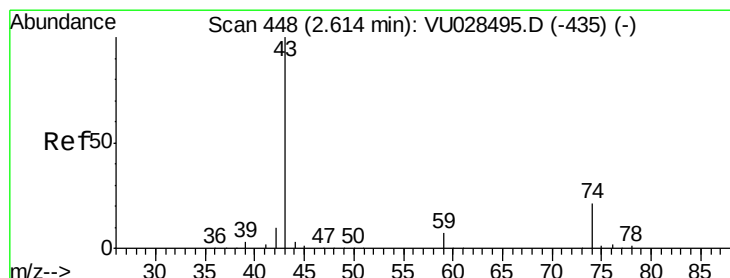
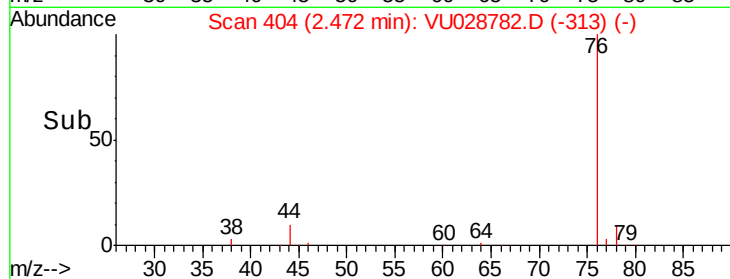
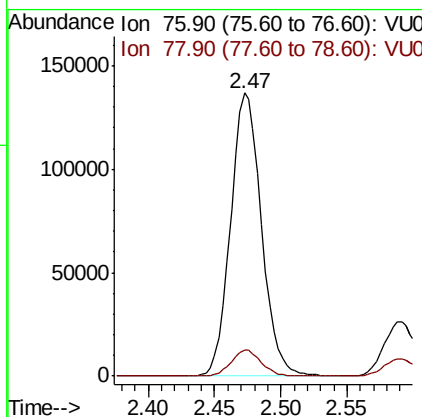
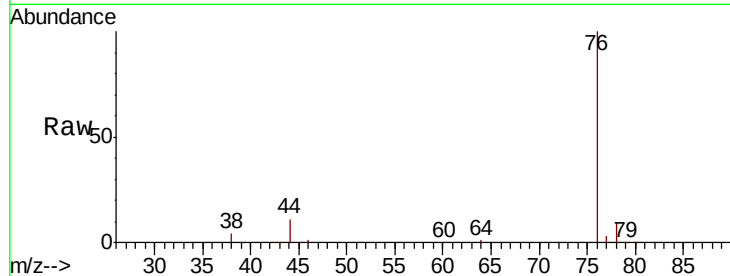
#17
Carbon Disulfide
Concen: 48.416 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

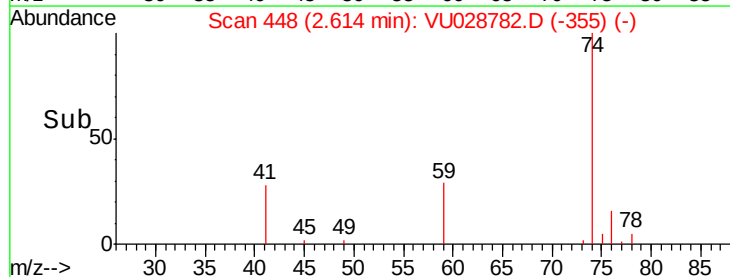
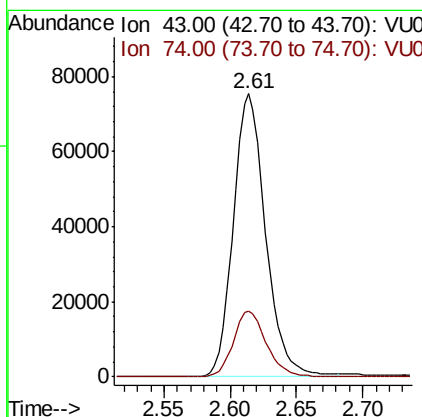
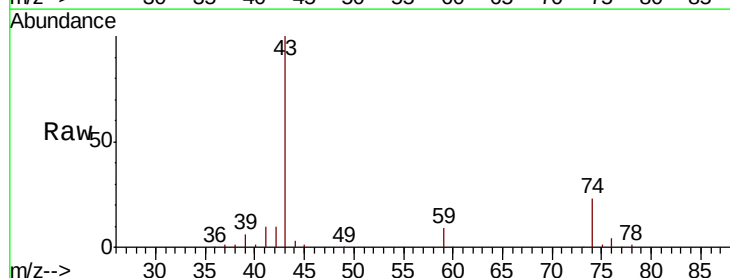
Manual Integrations
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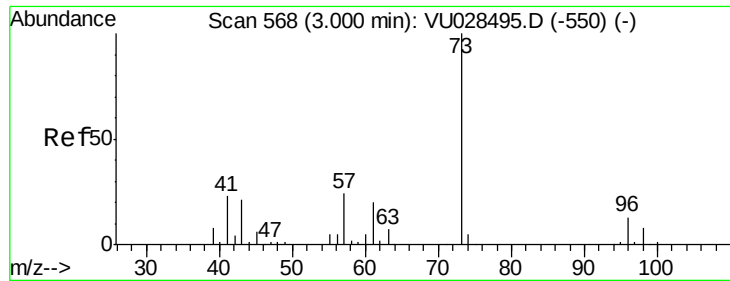
MMDadoda
12/20/2018 8:58:34 AM



#18
Methyl Acetate
Concen: 43.544 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	16.4	24.6





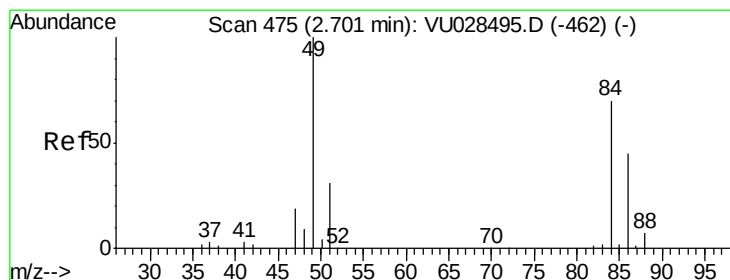
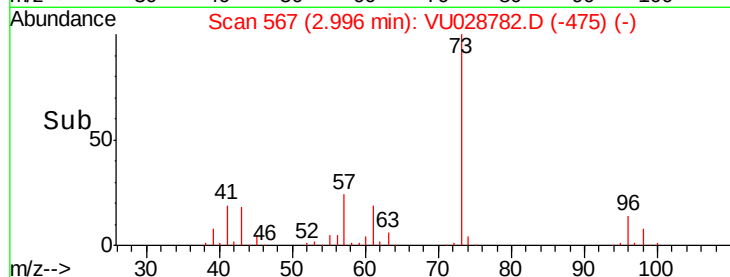
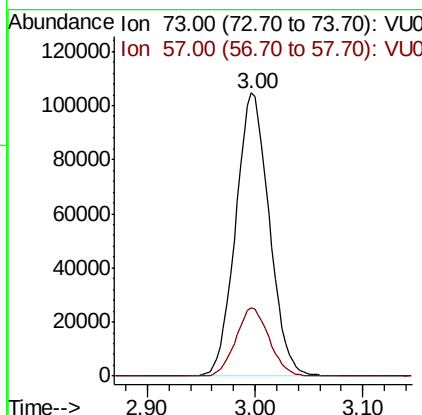
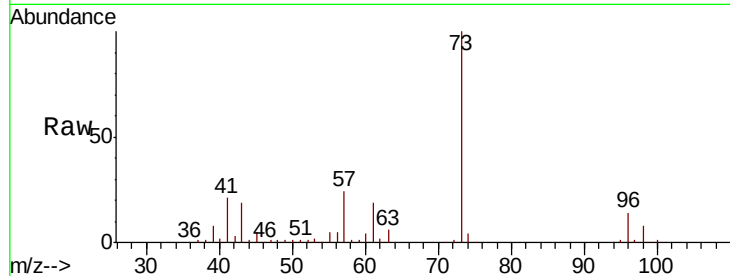
#19
Methyl tert-butyl Ether
Concen: 47.291 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.4	29.2

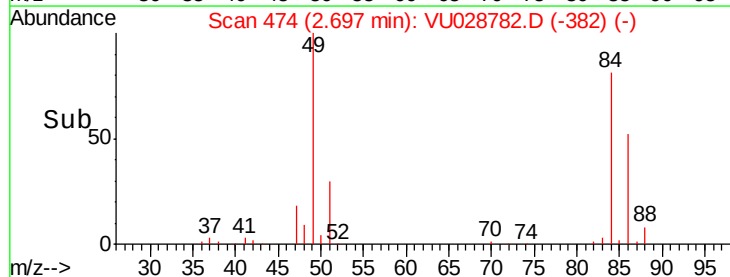
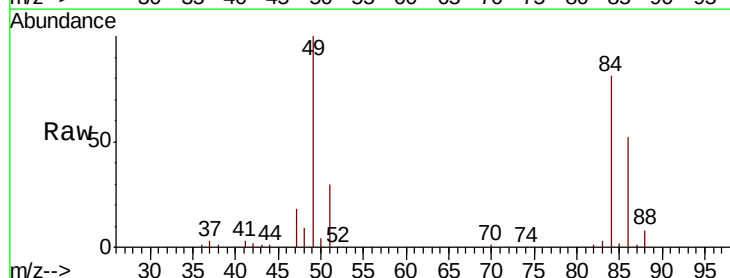
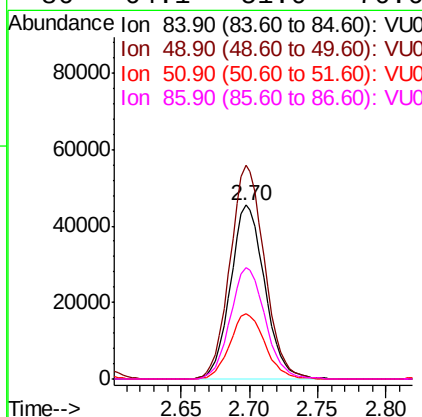
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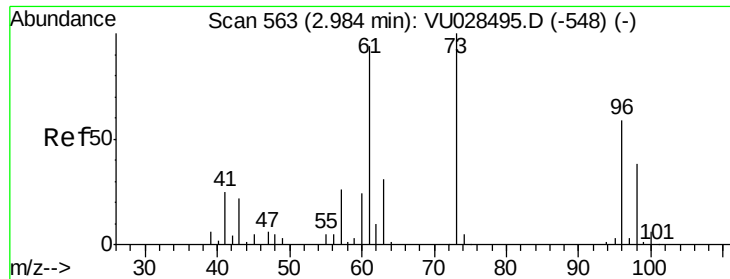
MMDadoda
12/20/2018 8:58:34 AM



#20
Methylene Chloride
Concen: 47.626 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	114.0	171.0
51	37.4	35.1	52.7
86	64.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 50.517 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 72050

Ion Ratio Lower Upper

96 100

61 145.2 127.0 190.4

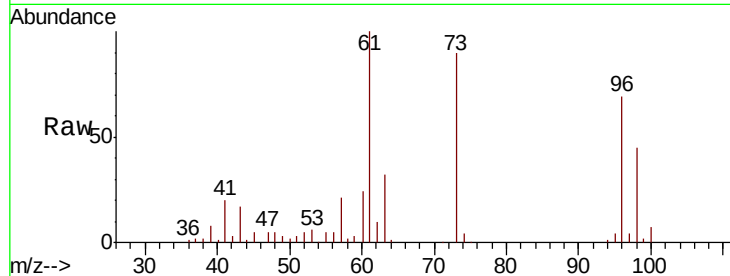
98 64.8 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

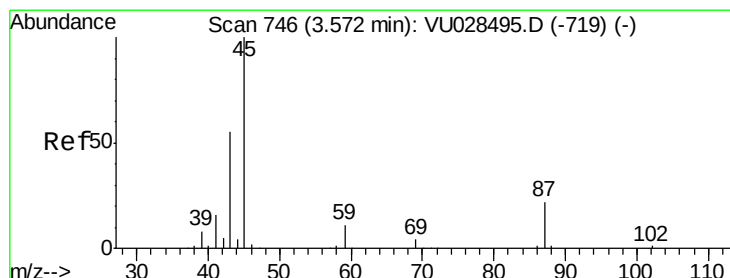
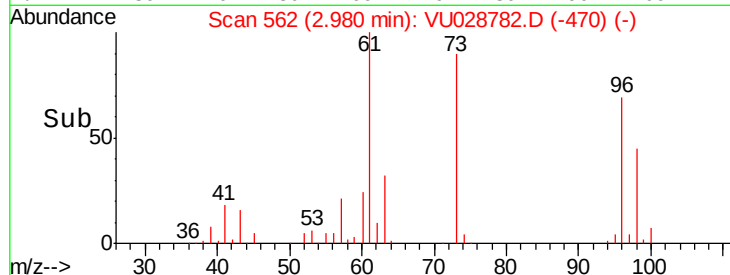
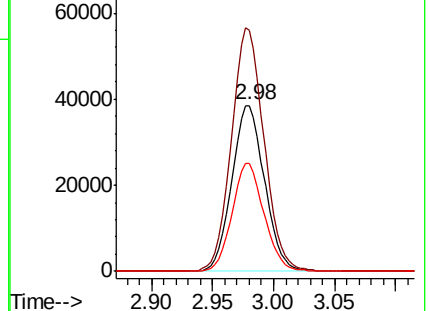
12/20/2018 8:58:34 AM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 43.468 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion: 45 Resp: 253310

Ion Ratio Lower Upper

45 100

43 56.0 45.3 67.9

87 25.5 17.6 26.4

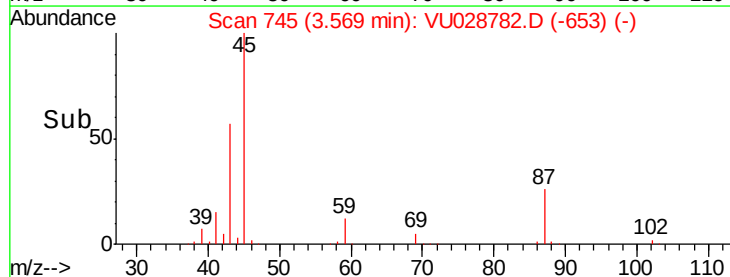
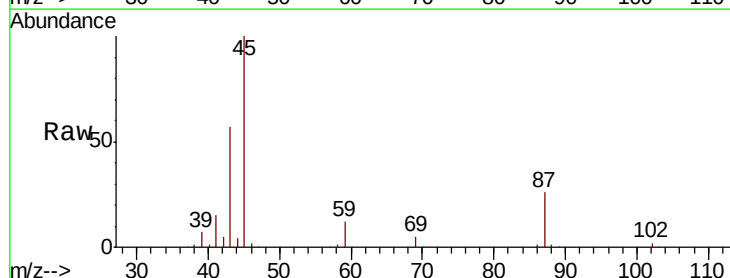
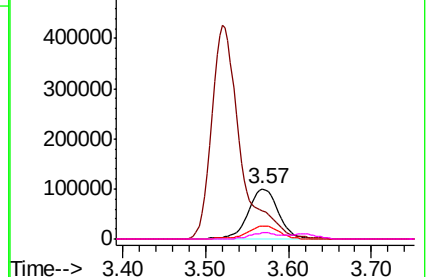
59 11.9 8.8 13.2

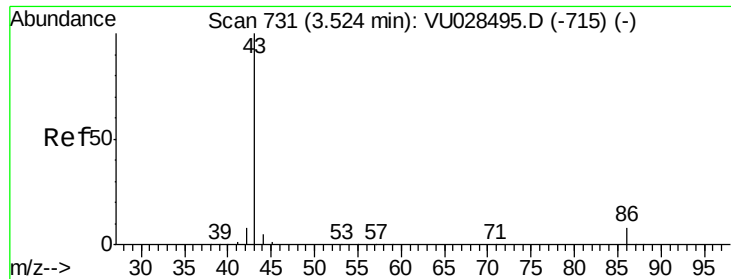
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 213.128 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1024466

Ion Ratio Lower Upper

43 100

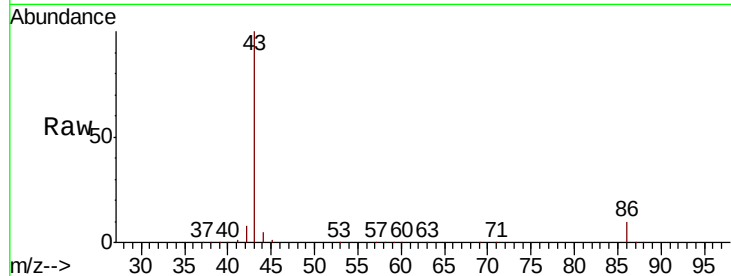
86 9.9 6.8 10.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028782.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028782.D (-638) (-)

3.52

400000

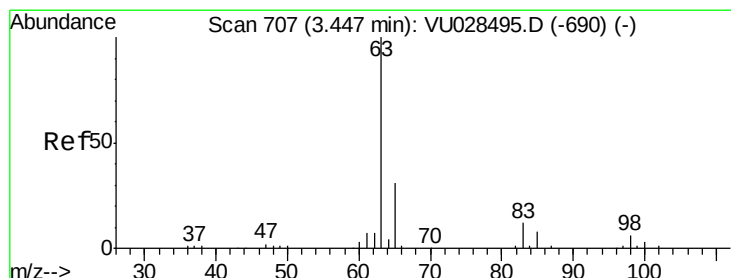
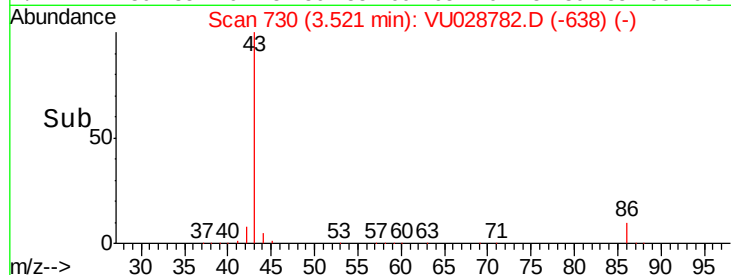
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.396 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

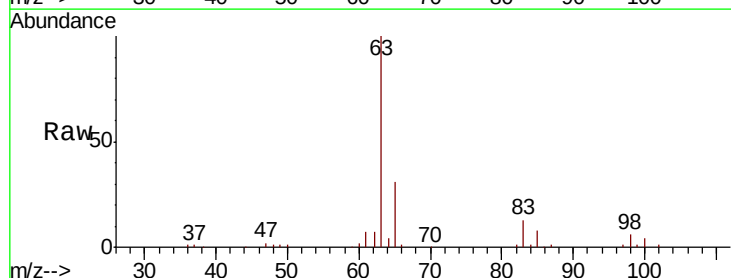
Tgt Ion: 63 Resp: 141529

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.3 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028782.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028782.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028782.D (-614) (-)

3.44

80000

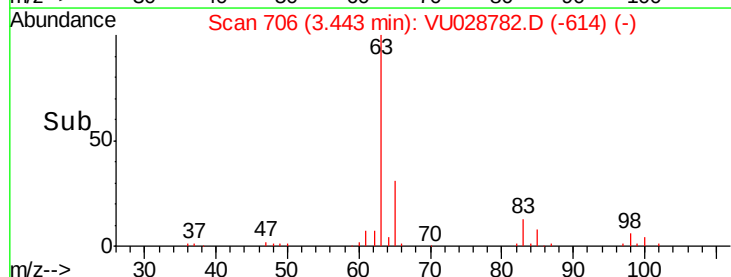
60000

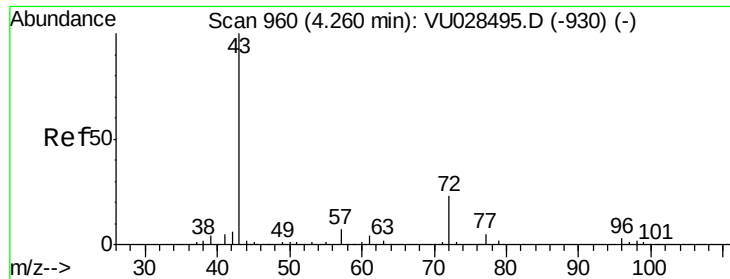
40000

20000

0

Time-->





#25

2-Butanone

Concen: 213.577 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 330692

Ion Ratio Lower Upper

43 100

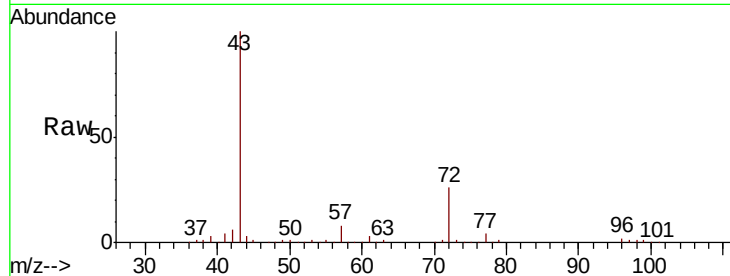
72 26.4 18.6 28.0

Manual Integrations

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12/20/2018 8:58:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

150000

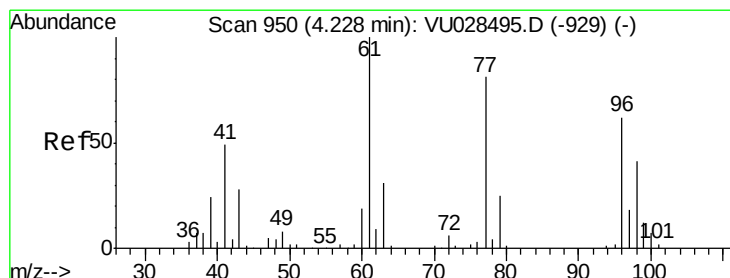
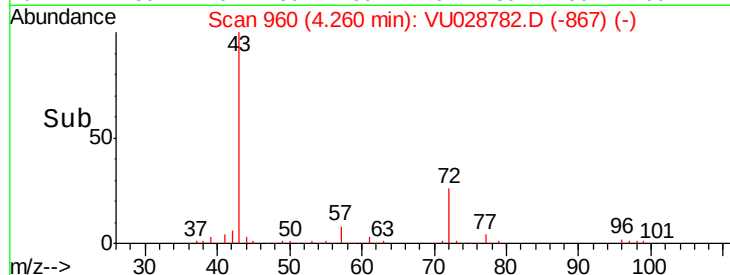
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.070 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028782.D

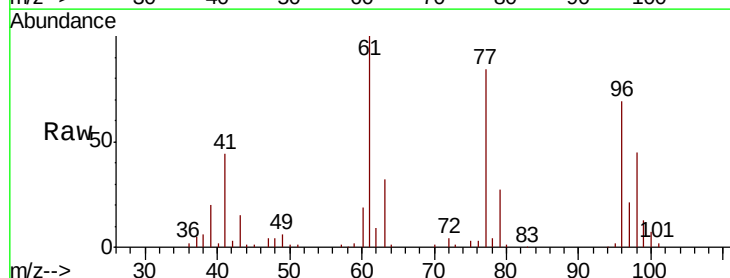
Acq: 19 Dec 2018 09:49

Tgt Ion: 77 Resp: 113772

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028495.D (-929) (-)

50000

40000

30000

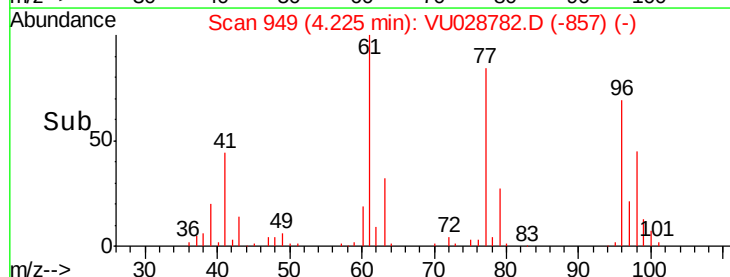
20000

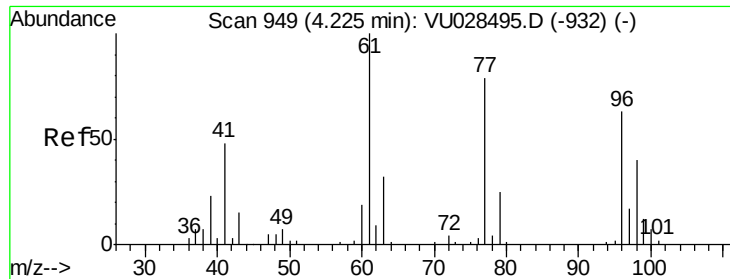
10000

0

4.10 4.20 4.30

Time-->





#27

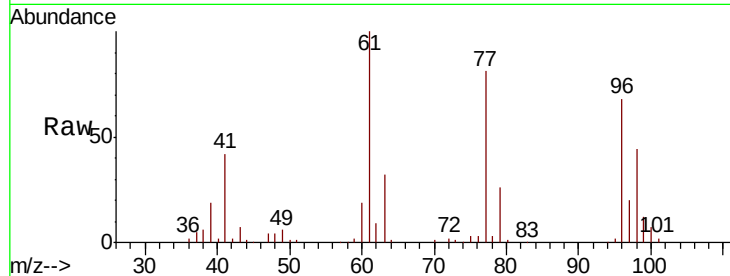
cis-1,2-Dichloroethene
 Concen: 51.673 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	332.4
98	64.2	0.0	129.0

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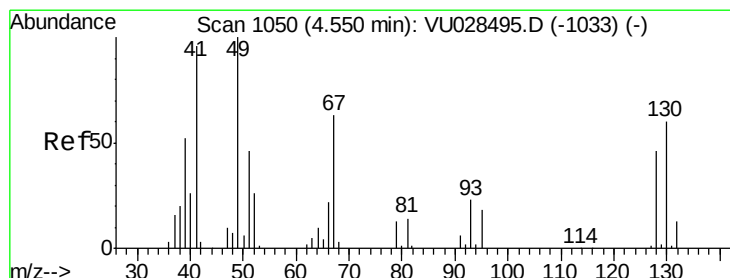
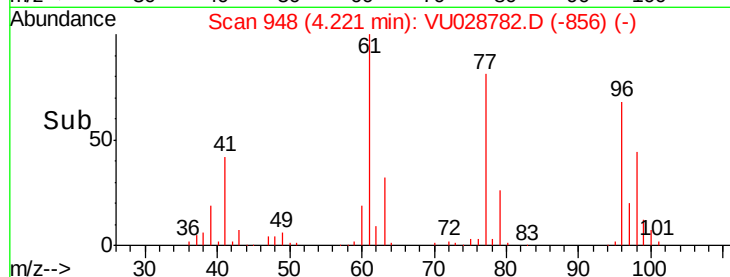
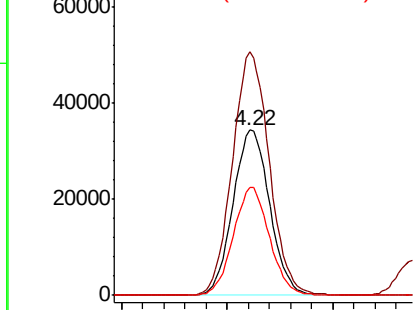


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

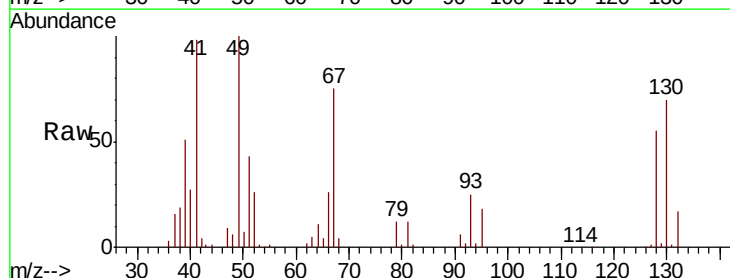
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 45.162 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	71.6	47.8	71.8

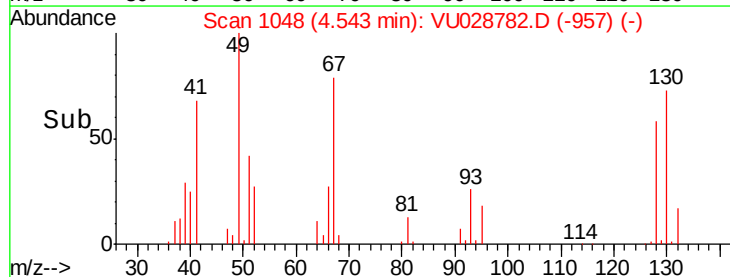
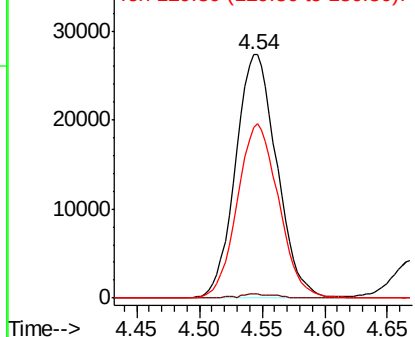


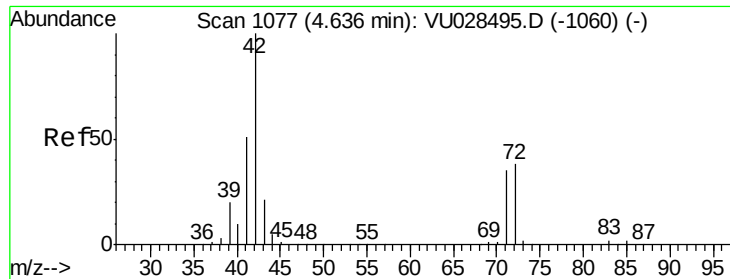
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





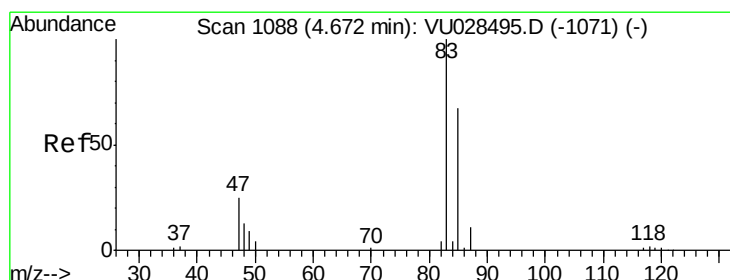
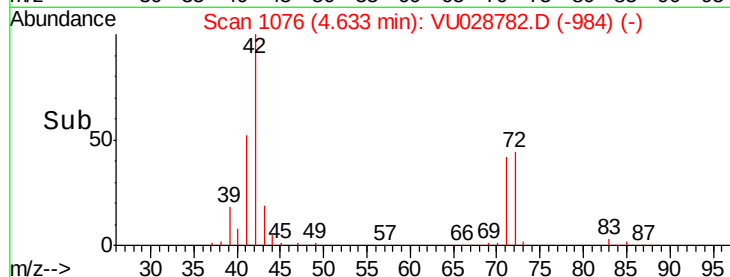
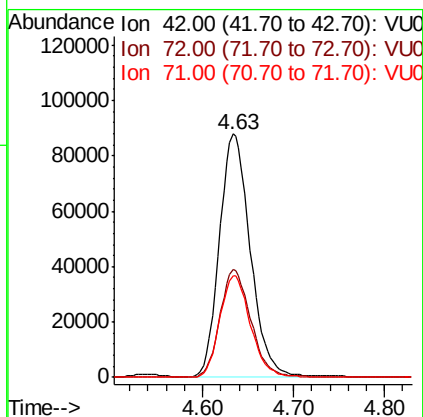
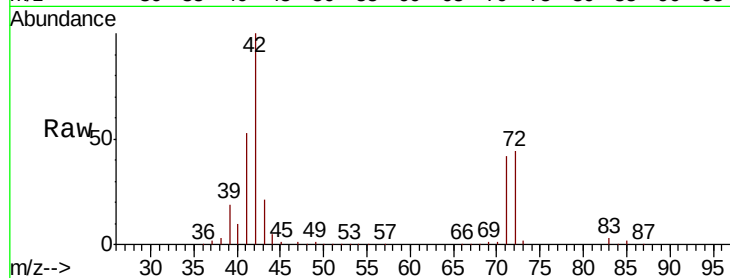
#29
Tetrahydrofuran
Concen: 207.631 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	31.4	47.0
71	41.7	28.6	43.0

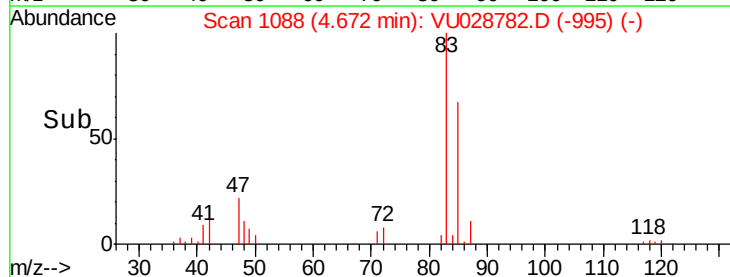
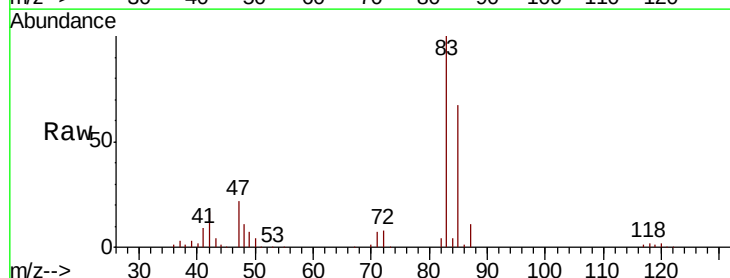
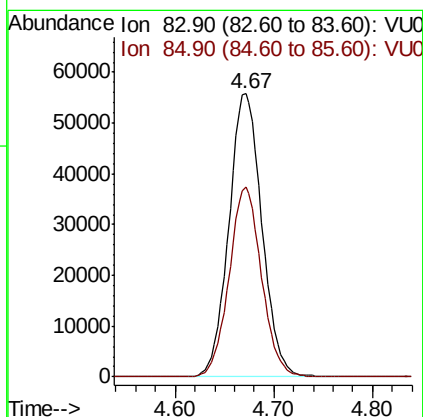
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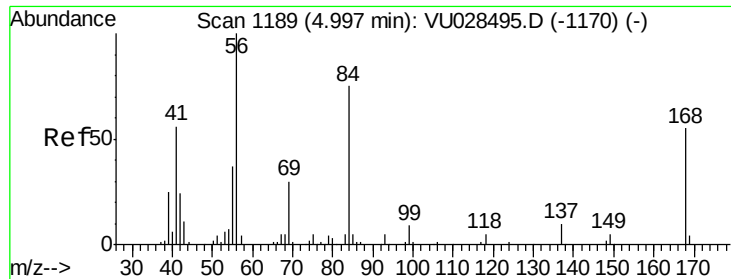
MMDadoda
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#30
Chloroform
Concen: 48.920 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.6	80.4





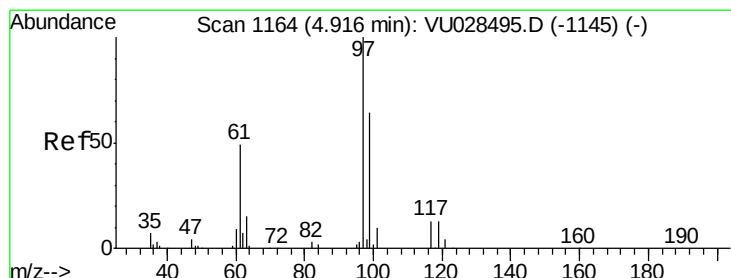
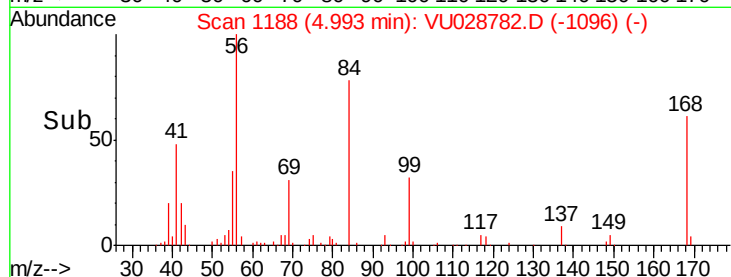
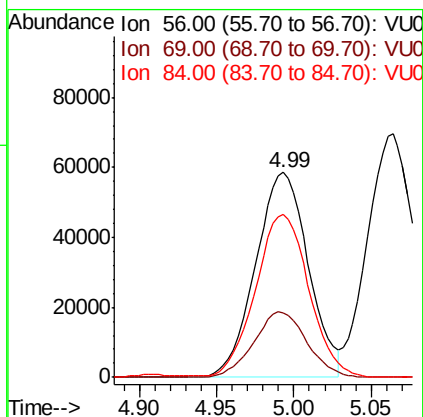
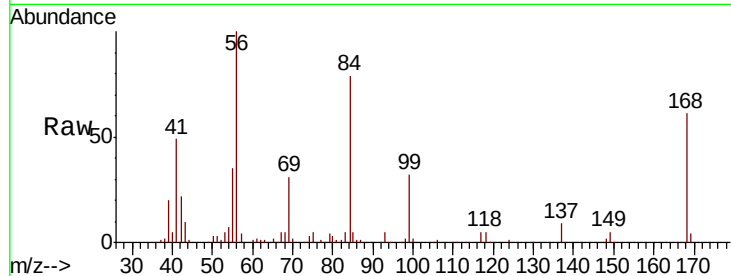
#31
Cyclohexane
Concen: 46.629 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.0	36.0
84	78.6	59.7	89.5

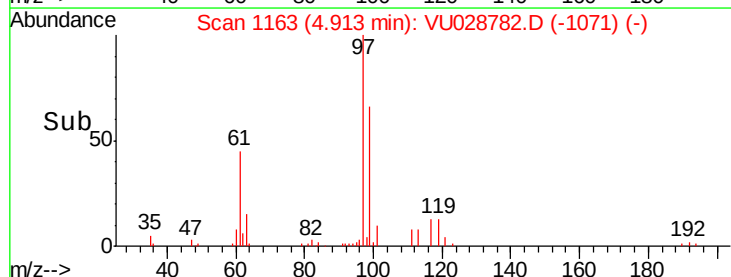
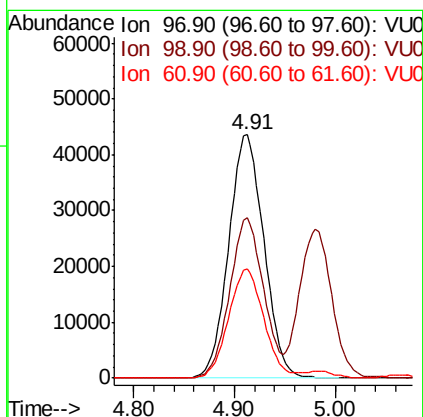
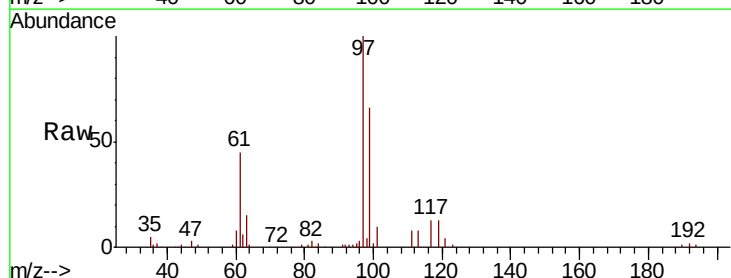
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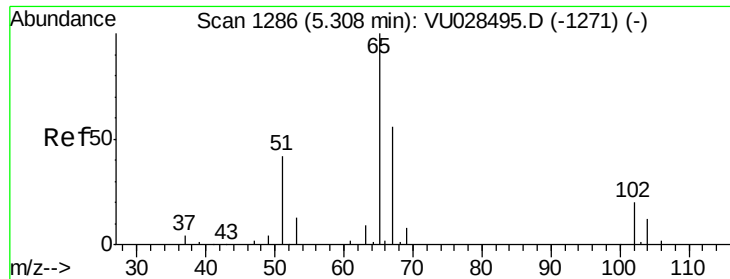
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.934 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	45.1	39.0	58.6





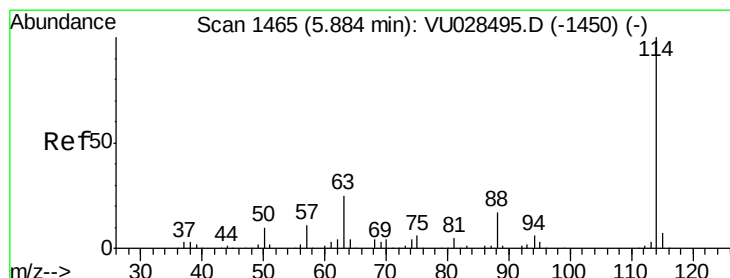
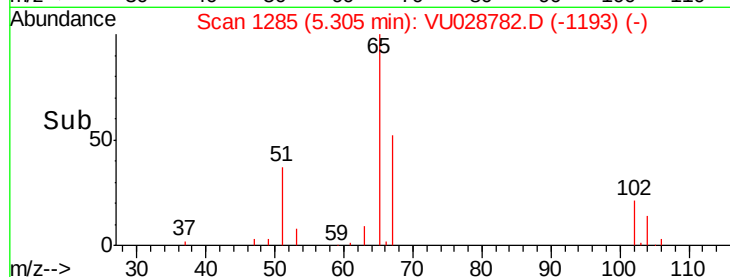
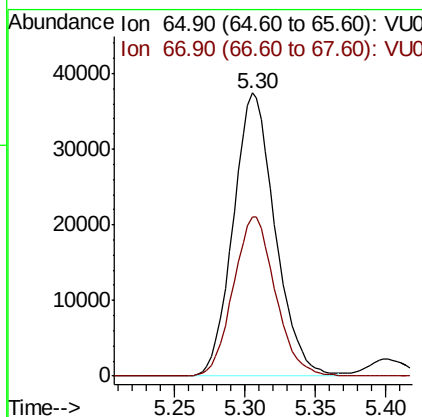
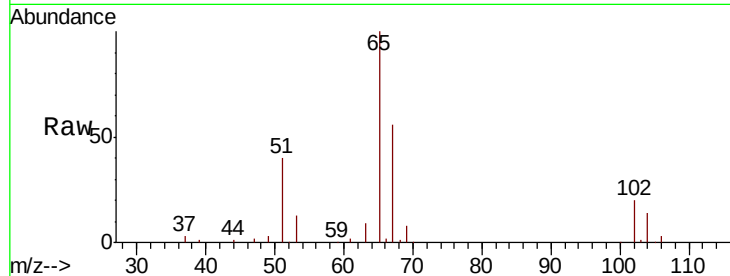
#33
 1,2-Dichloroethane-d4
 Concen: 44.815 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.6	0.0	110.6

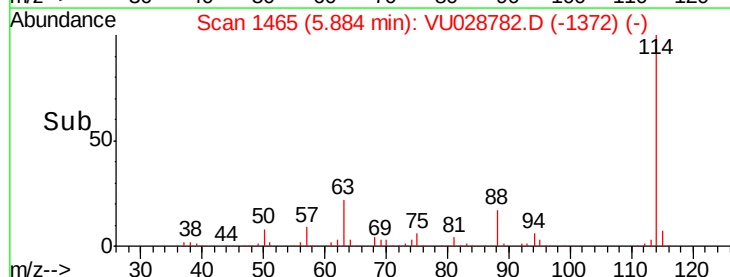
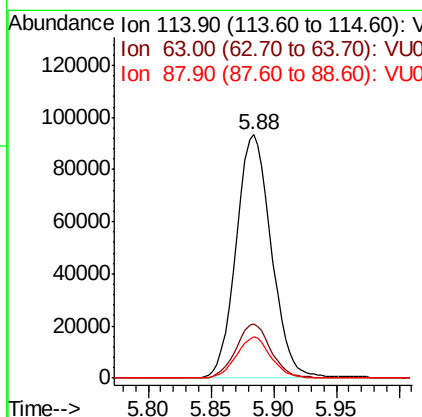
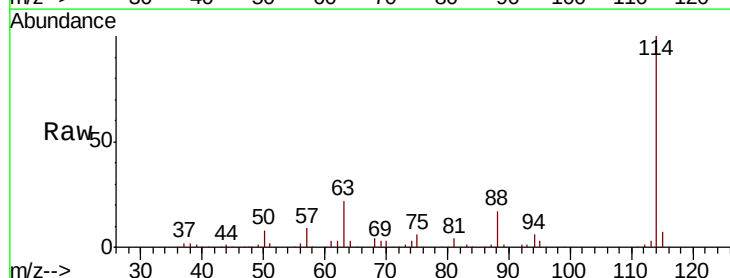
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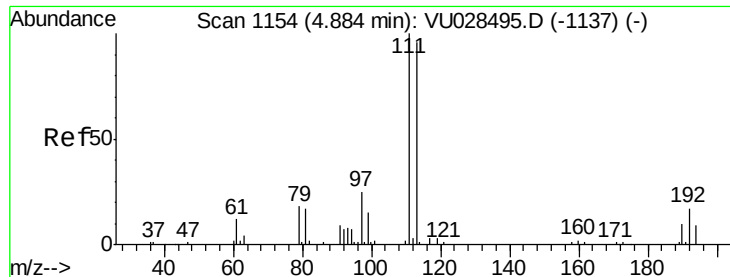
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	49.2
88	16.8	0.0	33.4





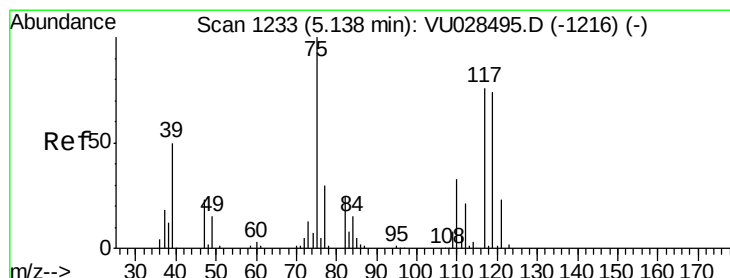
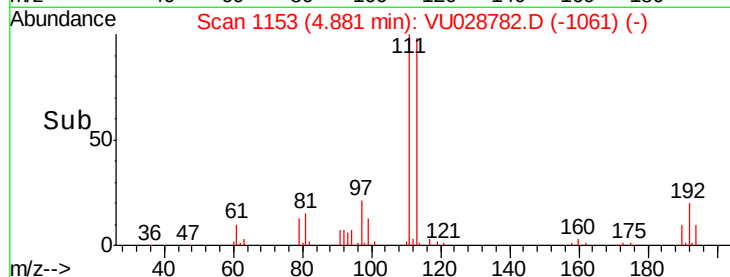
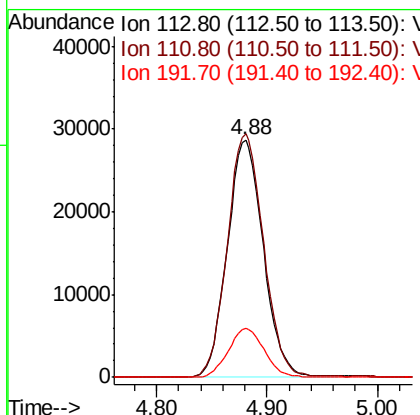
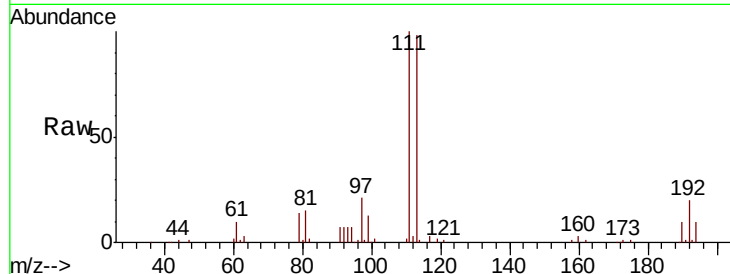
#35
 Dibromofluoromethane
 Concen: 56.566 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	20.4	14.8	22.2

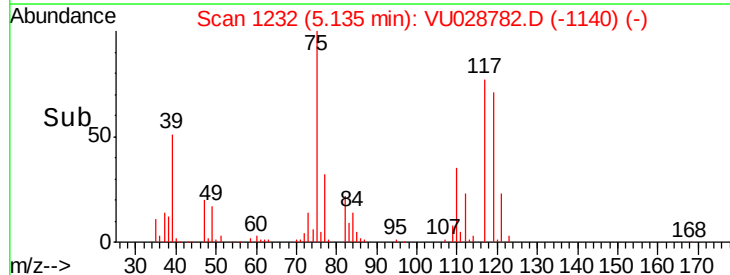
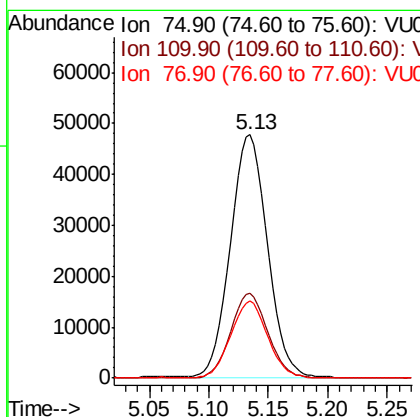
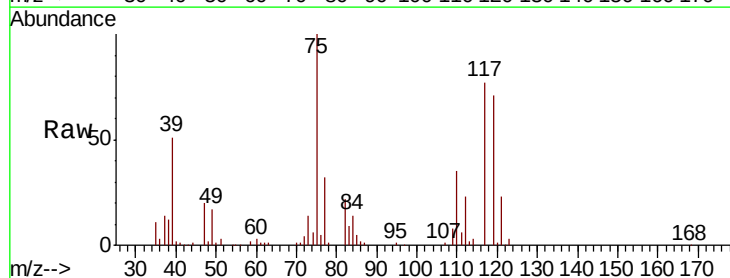
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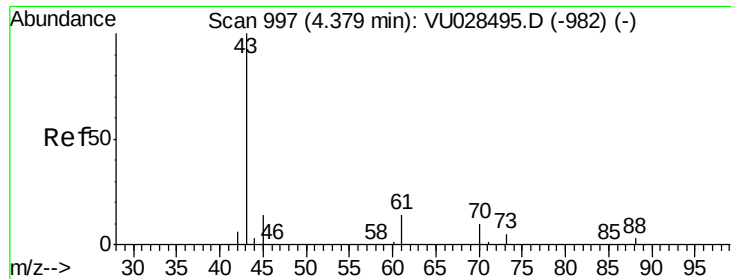
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 51.436 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.1	48.2
77	31.8	24.5	36.7





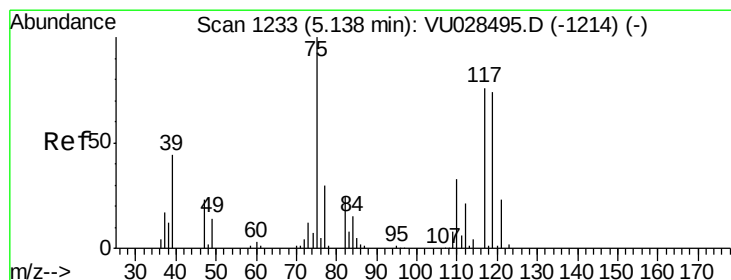
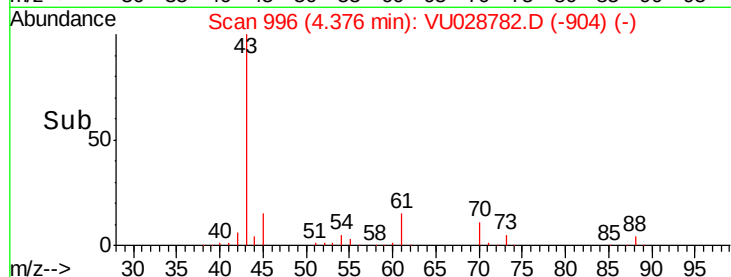
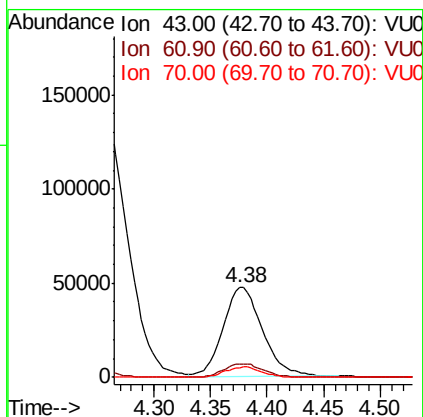
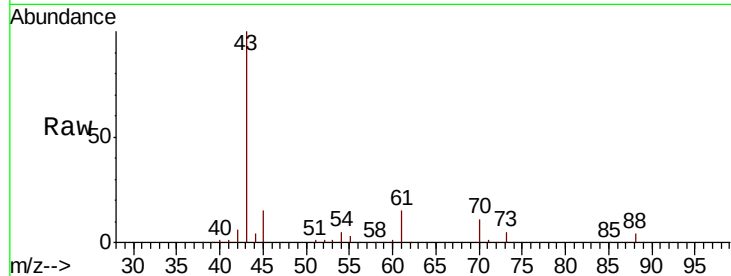
#37
Ethyl Acetate
Concen: 44.324 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.0	16.4
70	11.0	7.4	11.0

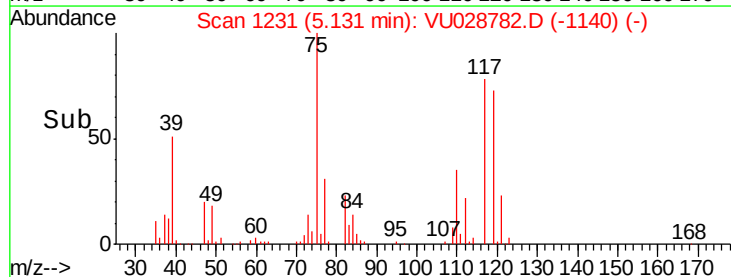
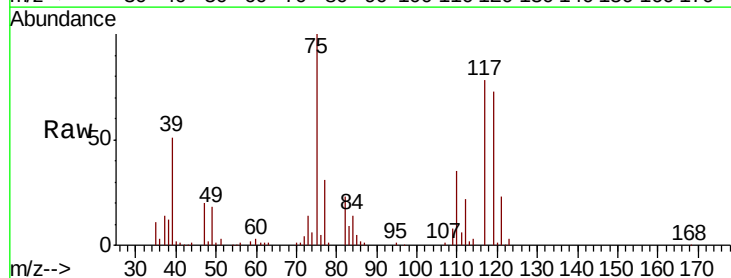
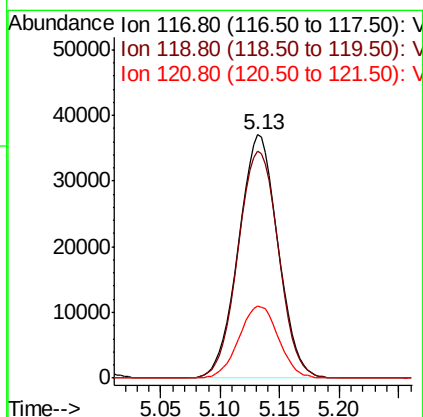
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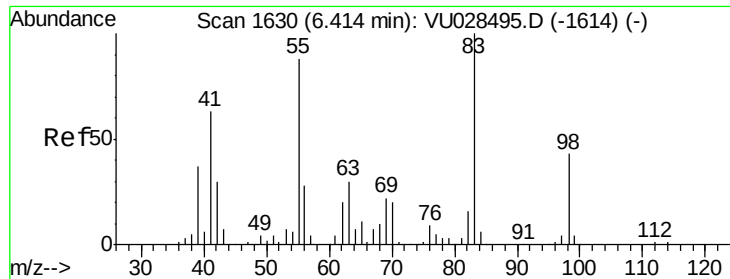
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#38
Carbon Tetrachloride
Concen: 52.794 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.6	116.4
121	29.6	24.6	36.8





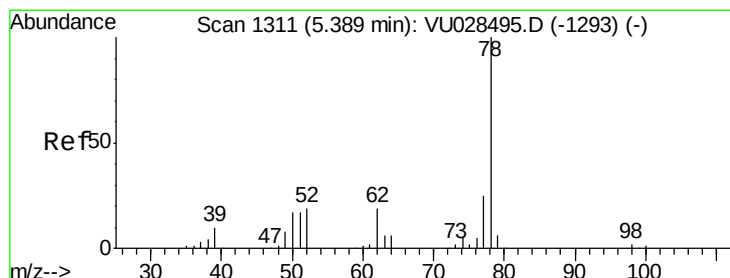
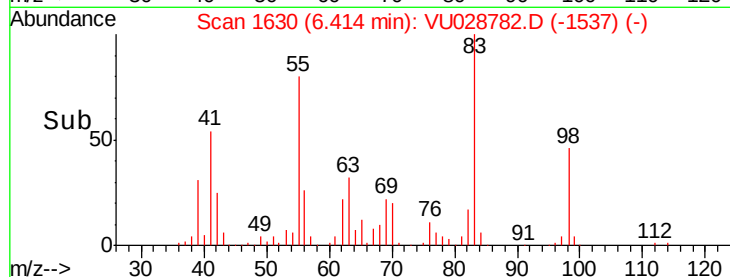
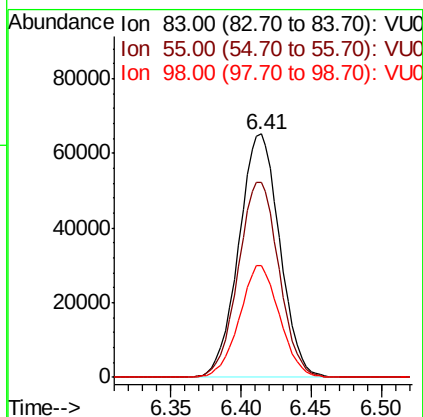
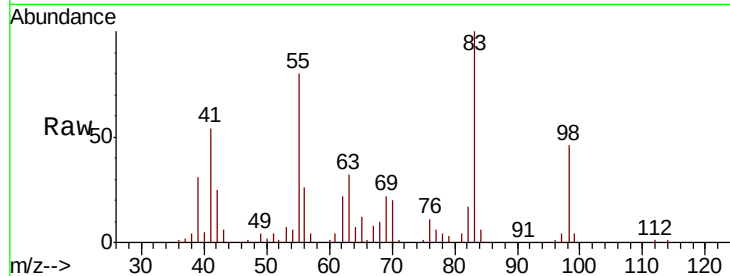
#39
Methylvlcyclohexane
Concen: 54.299 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	70.2	105.2
98	45.7	34.2	51.4

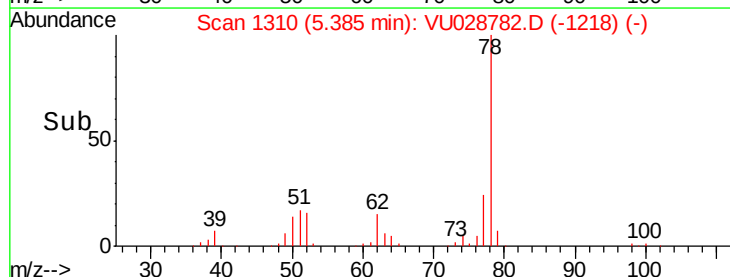
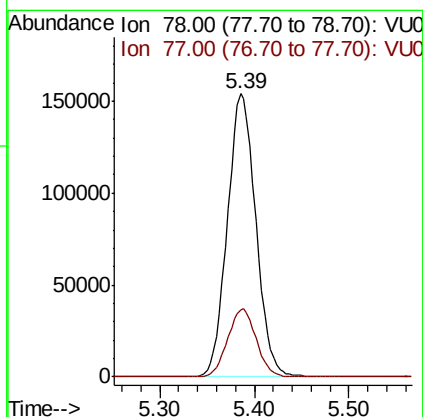
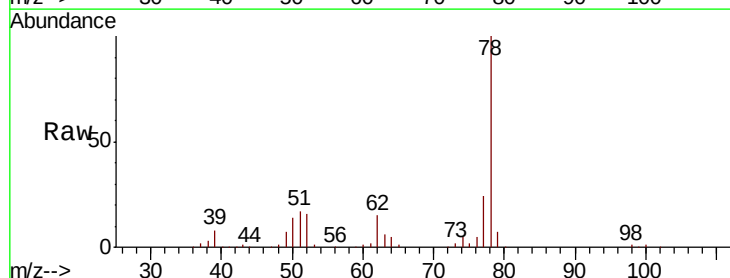
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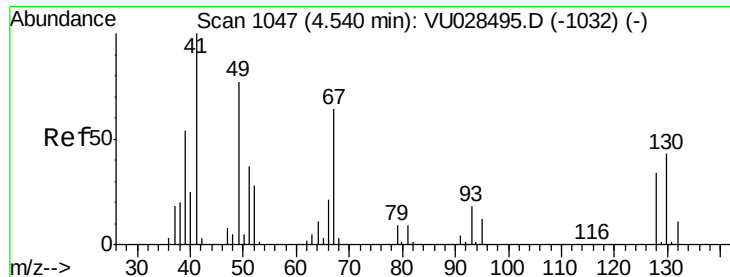
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#40
Benzene
Concen: 54.822 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





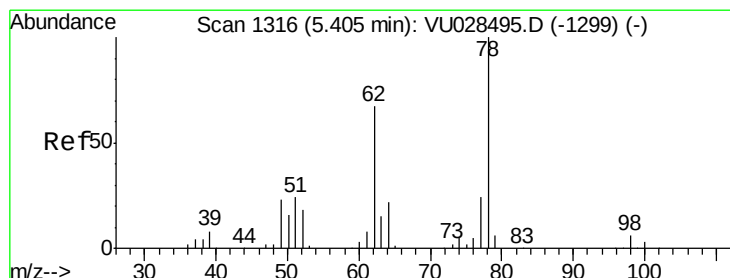
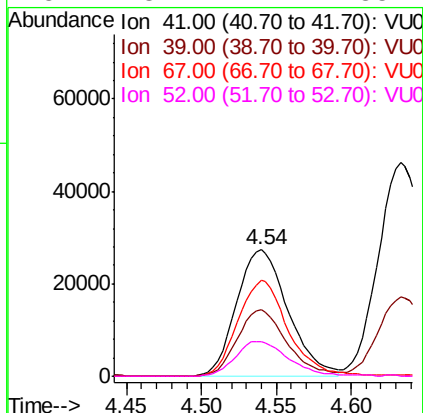
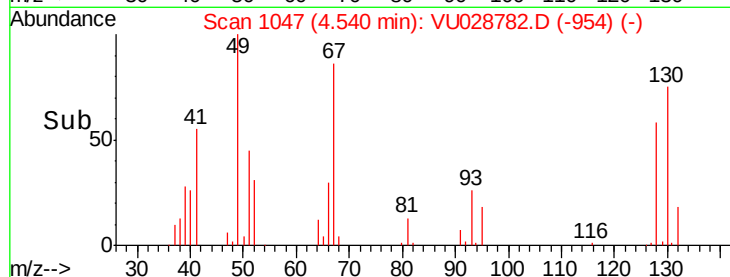
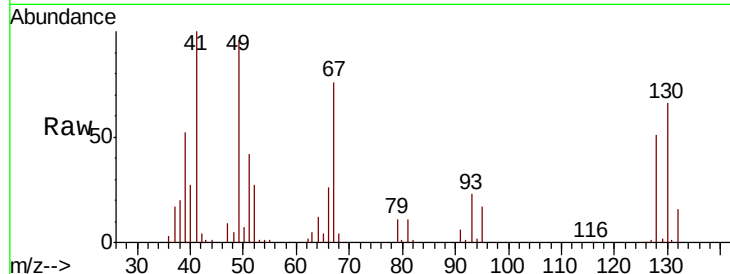
#41
Methacrylonitrile
Concen: 46.464 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.7	43.3	64.9	
67	74.5	53.6	80.4	
52	28.7	22.1	33.1	

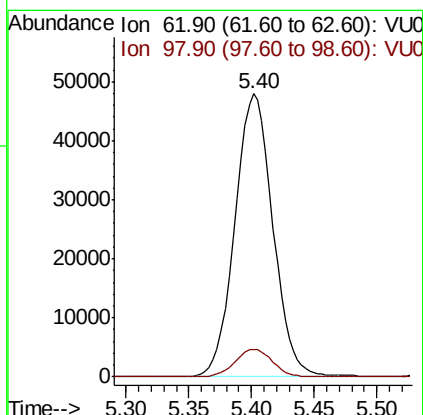
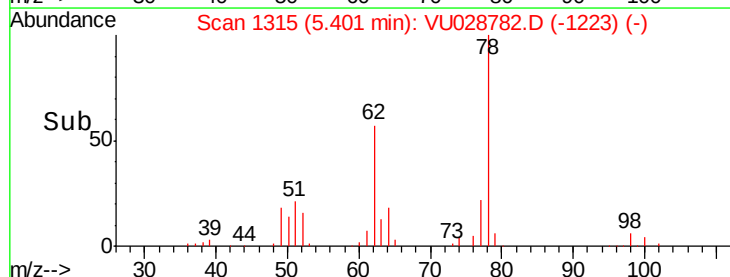
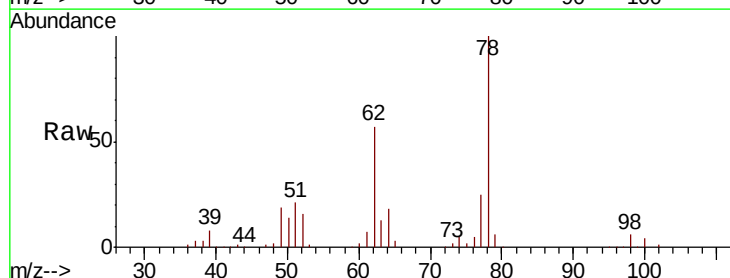
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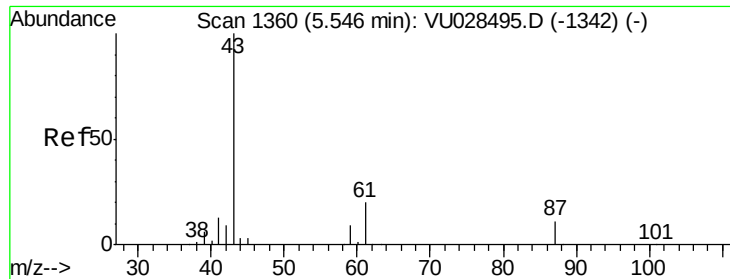
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.945 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	17.2	





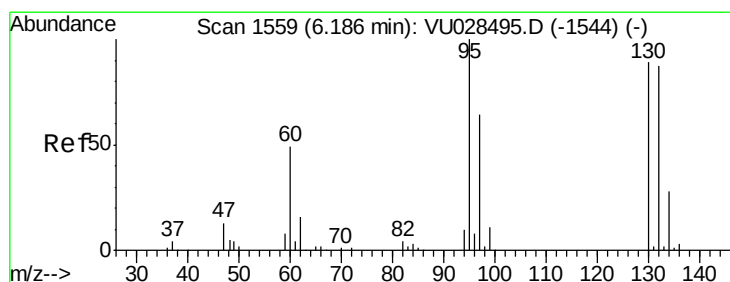
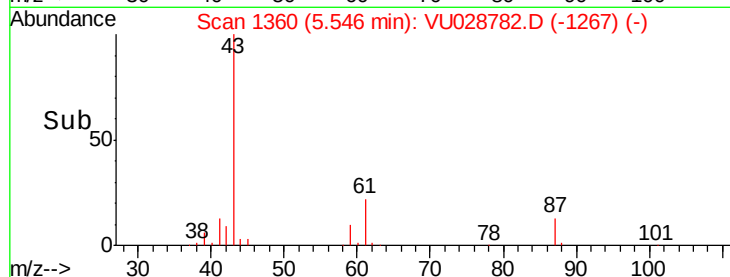
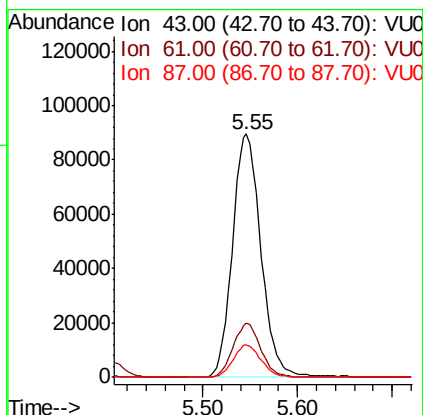
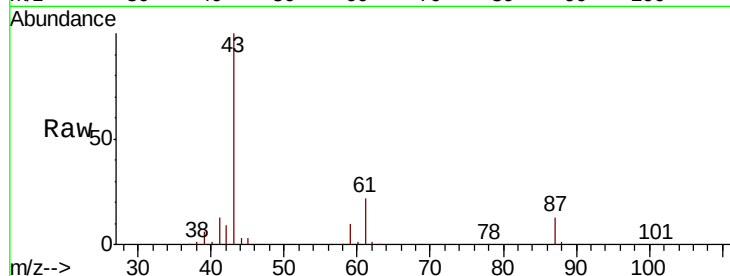
#43
Isopropyl Acetate
Concen: 45.904 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.5	23.3
87	13.1	8.7	13.1

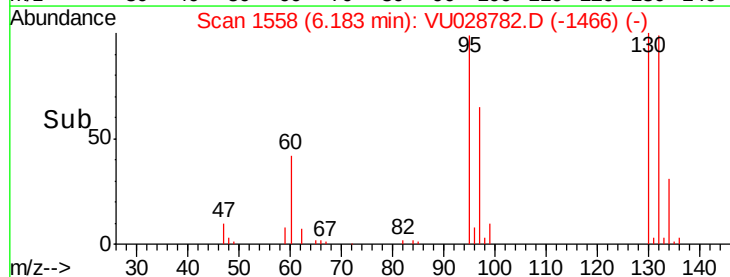
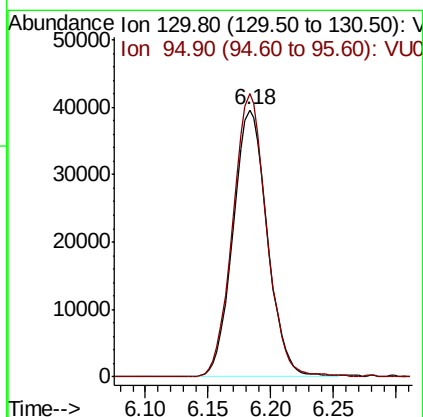
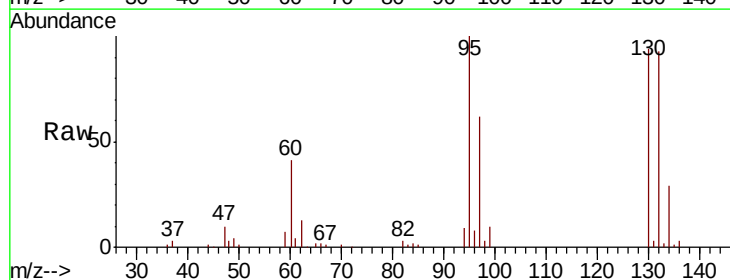
Manual Integrations
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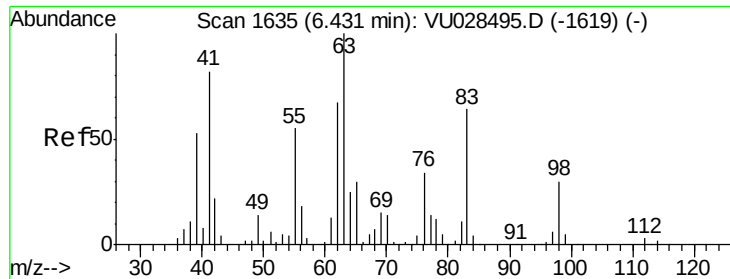
MMDadoda
12/20/2018 8:58:34 AM



#44
Trichloroethene
Concen: 57.691 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	224.0





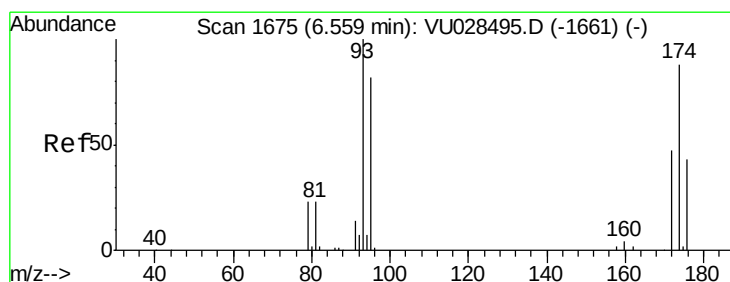
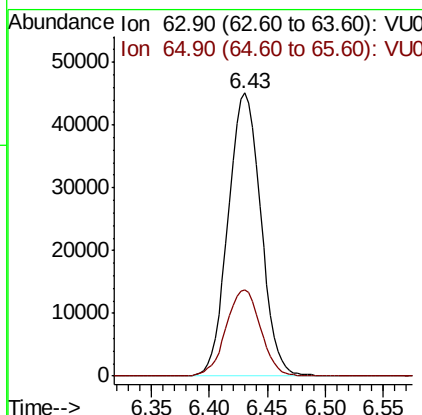
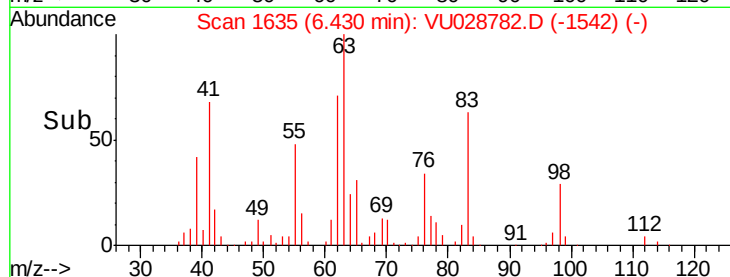
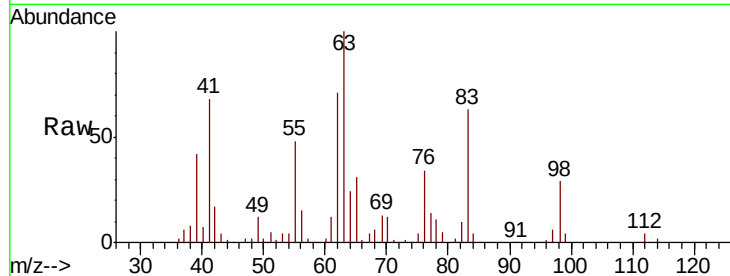
#45
 1,2-Dichloropropane
 Concen: 53.357 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 88268
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.2 36.4

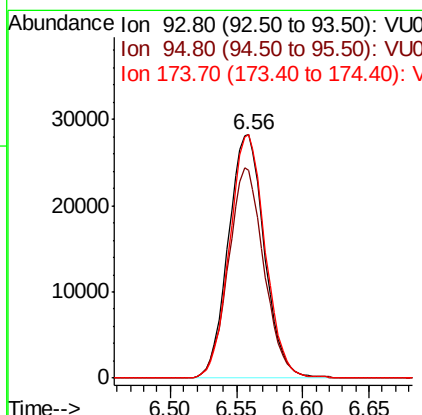
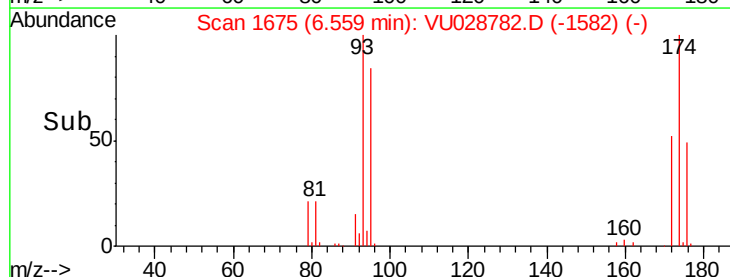
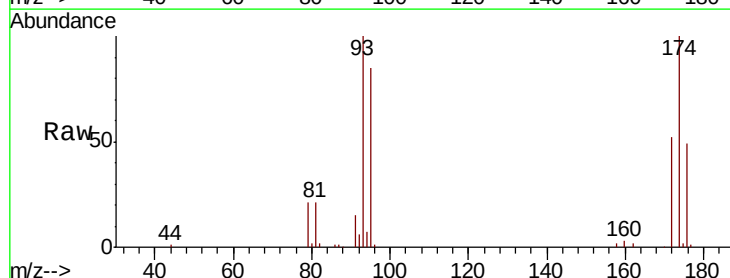
Manual Integrations
 APPROVED

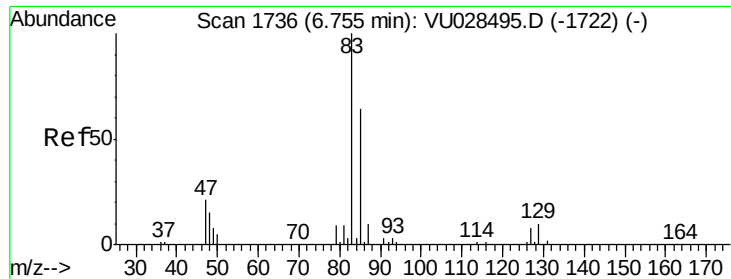
MMDadoda
 12/20/2018 8:58:34 AM



#46
 Dibromomethane
 Concen: 54.311 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion: 93 Resp: 53309
 Ion Ratio Lower Upper
 93 100
 95 85.5 65.4 98.2
 174 98.6 72.2 108.4





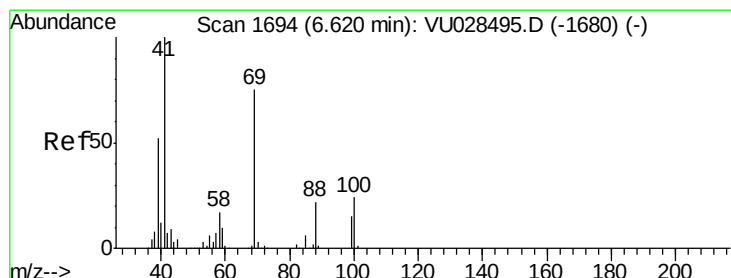
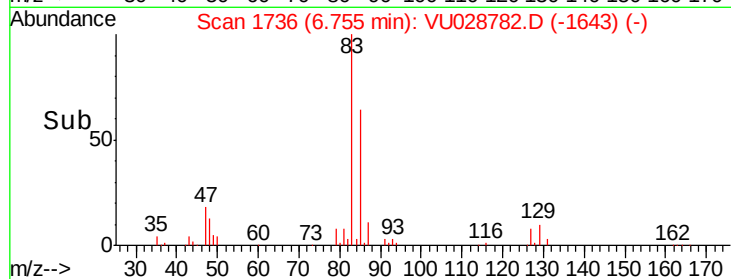
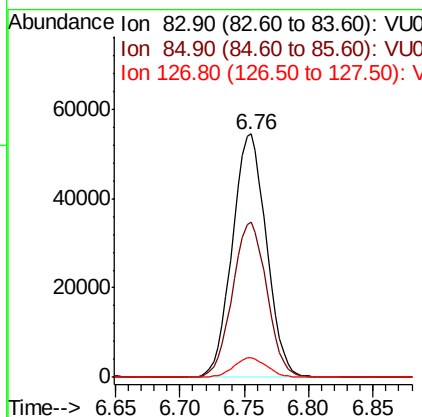
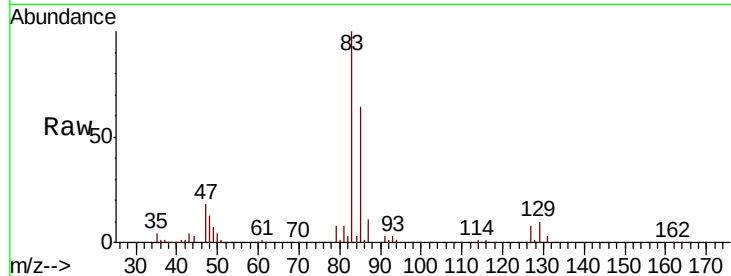
#47
 Bromodichloromethane
 Concen: 52.422 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3
127	7.9	6.2	9.4

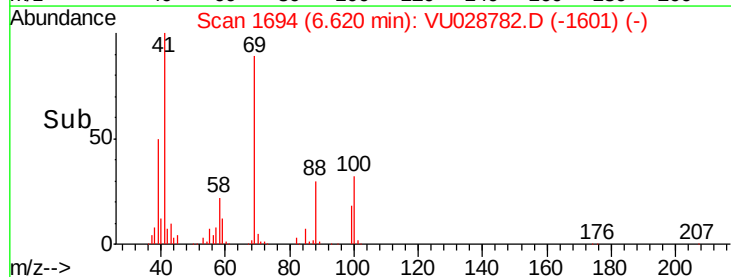
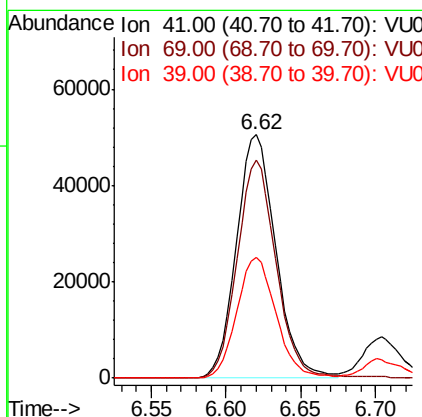
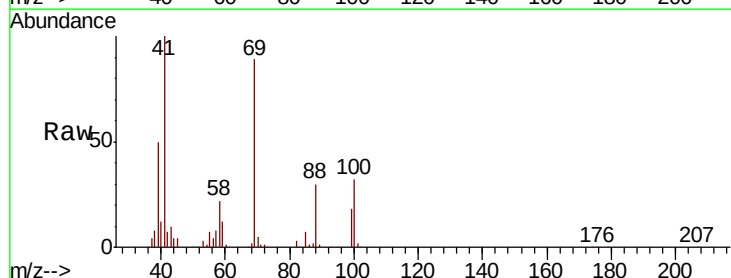
Manual Integrations
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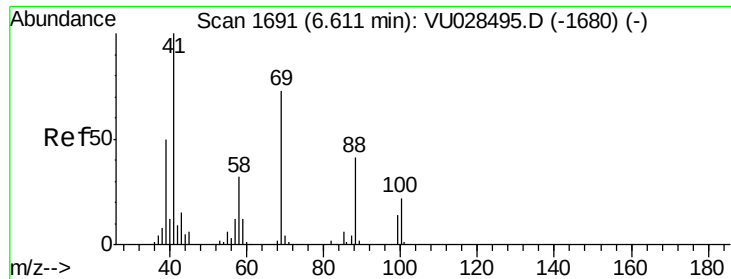
MMDadoda
 12/20/2018 8:58:34 AM



#48
 Methyl methacrylate
 Concen: 45.664 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.4	60.4	90.6
39	49.3	41.1	61.7





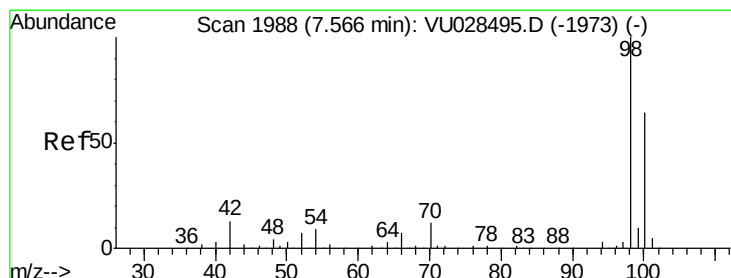
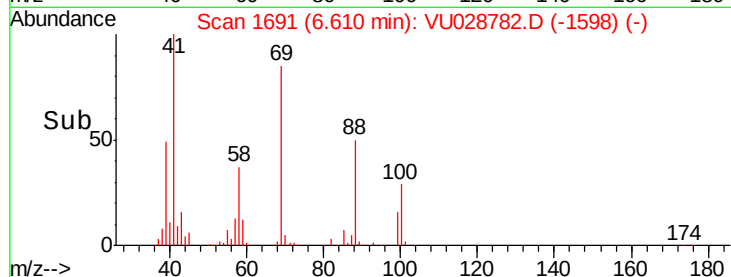
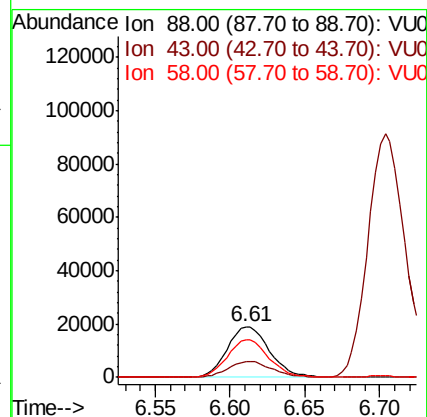
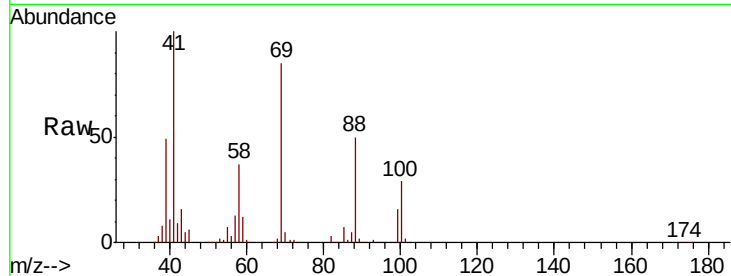
#49
1,4-Dioxane
Concen: 1166.761 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	30.9	46.3
58	73.3	62.4	93.6

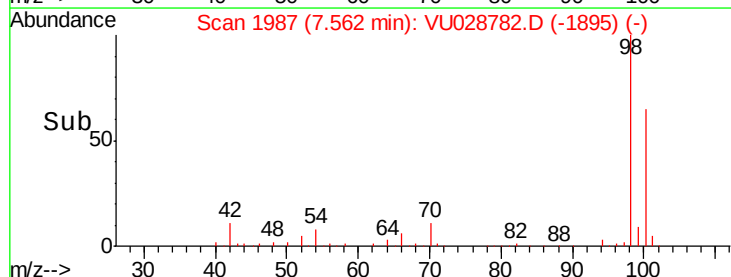
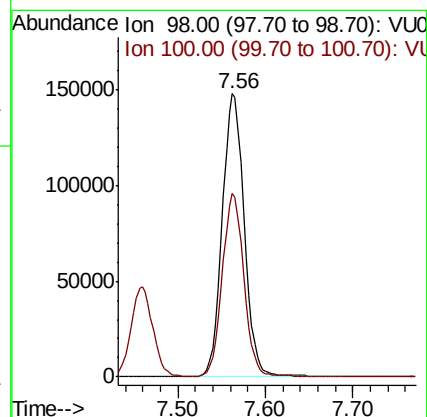
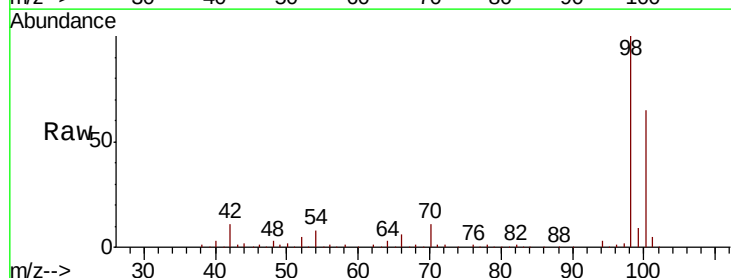
Manual Integrations
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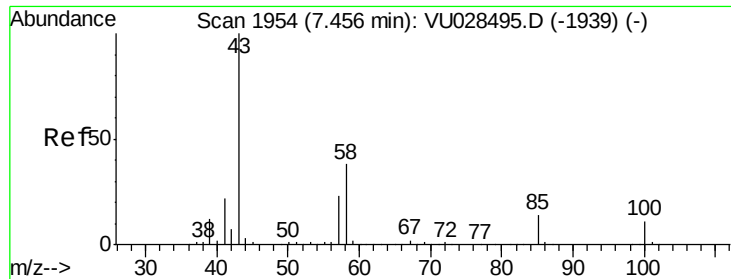
MMDadoda
12/20/2018 8:58:34 AM



#50
Toluene-d8
Concen: 56.857 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 227.279 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 585440

Ion Ratio Lower Upper

43 100

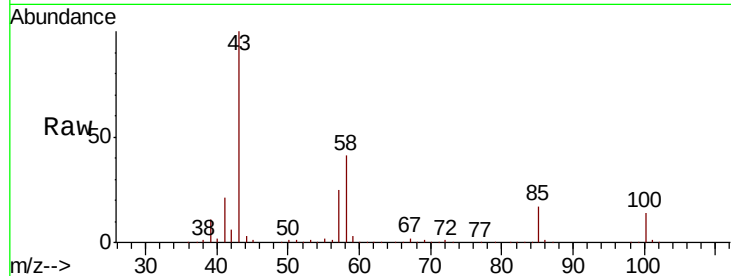
58 41.3 30.2 45.2

Manual Integrations

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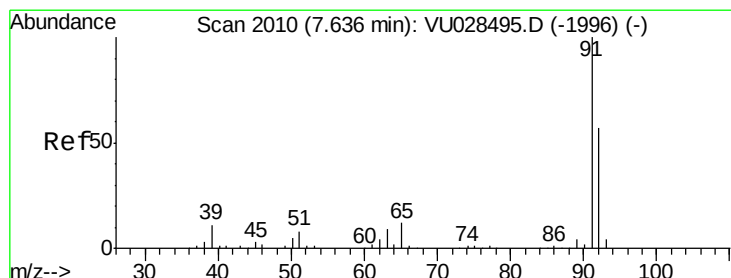
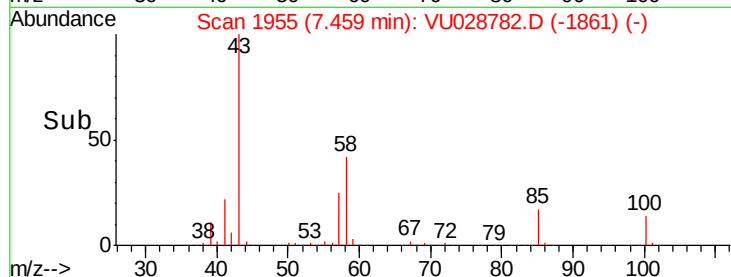
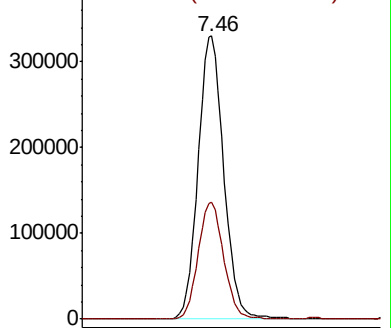
MMDadoda

12/20/2018 8:58:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 56.028 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028782.D

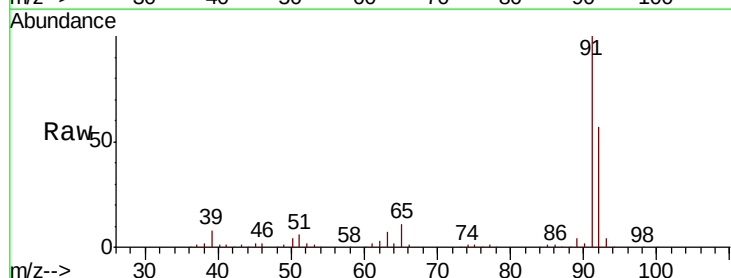
Acq: 19 Dec 2018 09:49

Tgt Ion: 92 Resp: 193978

Ion Ratio Lower Upper

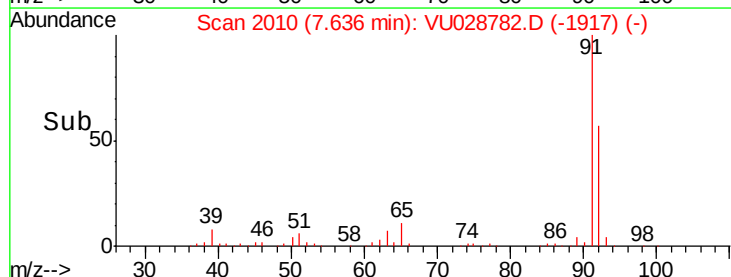
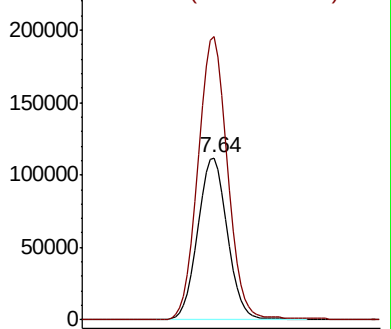
92 100

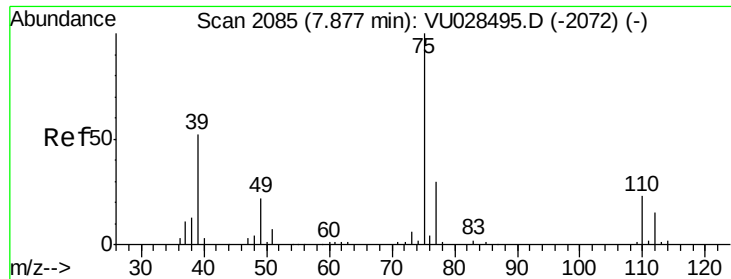
91 174.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 52.713 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 119912

Ion Ratio Lower Upper

75 100

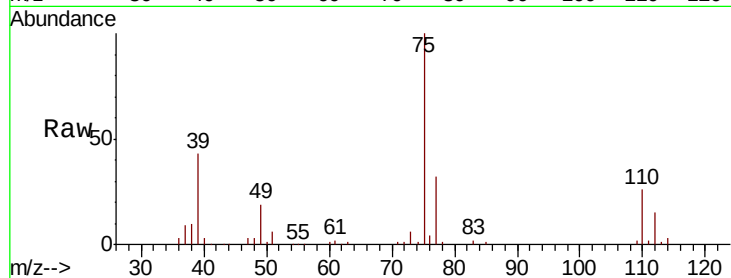
77 31.7 24.2 36.4

Manual Integrations

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12/20/2018 8:58:34 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

80000

60000

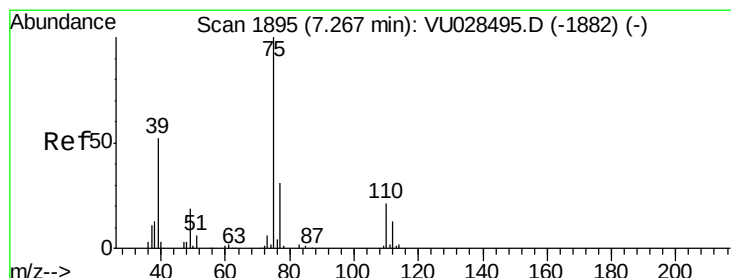
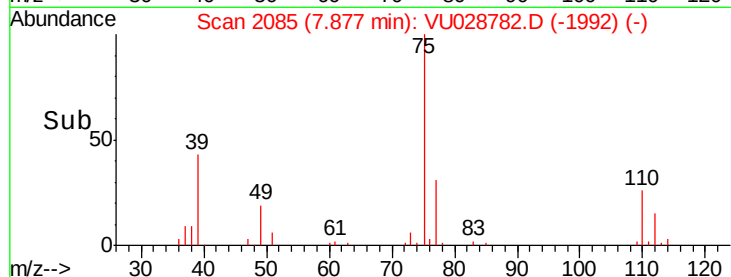
40000

20000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.192 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

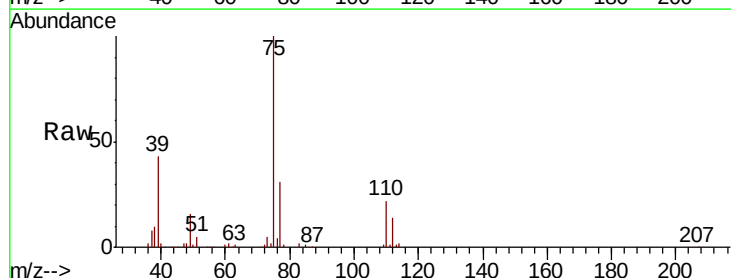
Tgt Ion: 75 Resp: 131280

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 42.6 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

100000

80000

60000

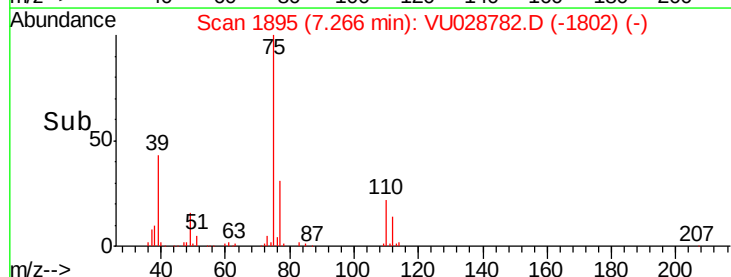
40000

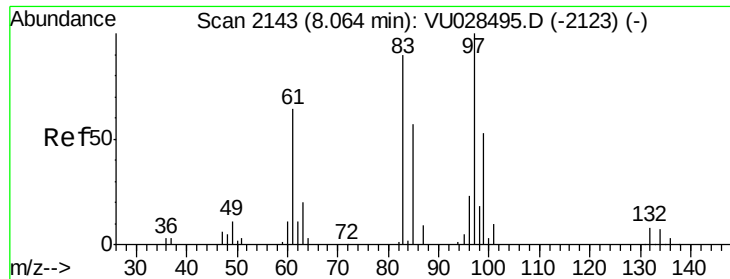
20000

0

7.20 7.25 7.30 7.35

Time-->





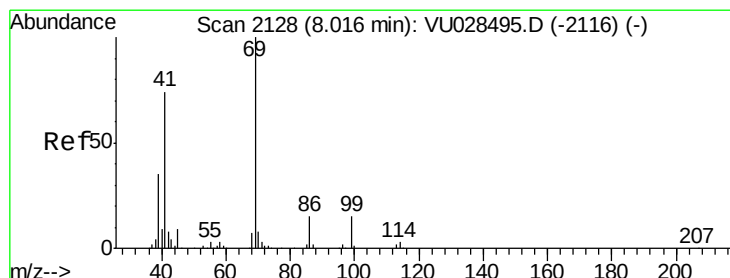
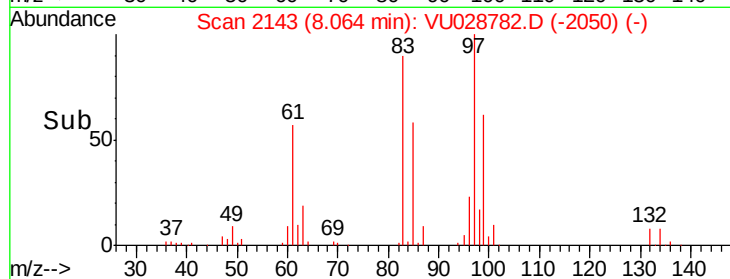
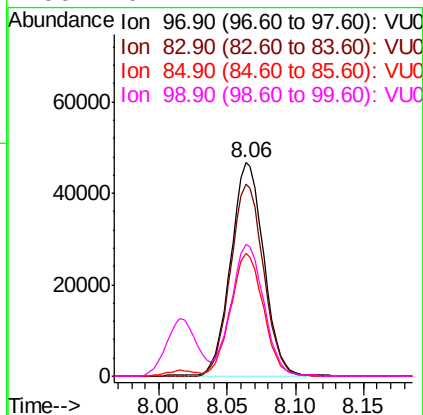
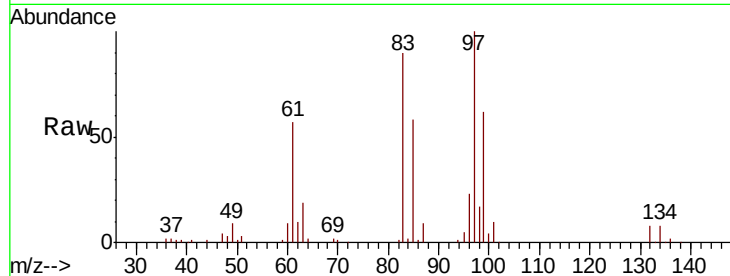
#55
 1,1,2-Trichloroethane
 Concen: 57.719 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	78993
Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.4	108.6
85	57.6	46.0	69.0
99	61.4	47.4	71.2

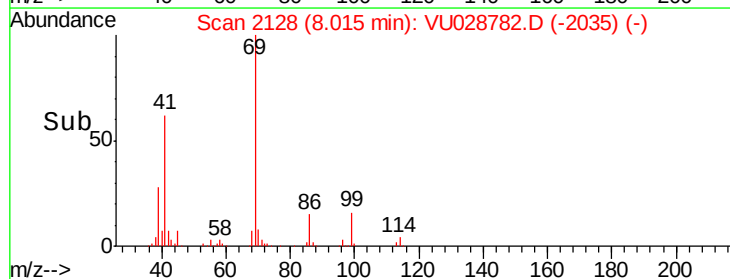
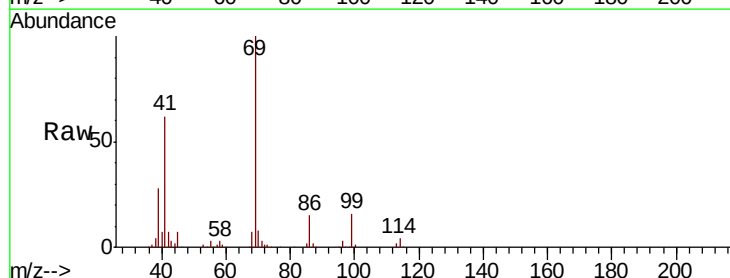
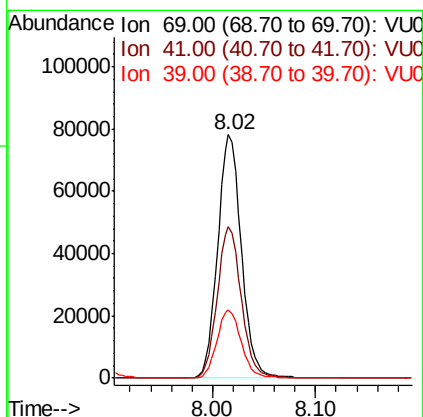
Manual Integrations
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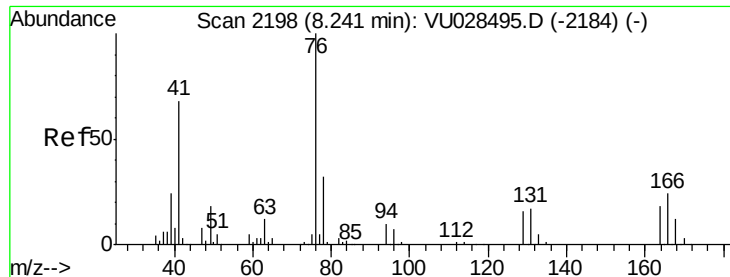
MMDadoda
 12/20/2018 8:58:34 AM



#56
 Ethyl methacrylate
 Concen: 53.311 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion:	69	Resp:	124940
Ion	Ratio	Lower	Upper
69	100		
41	63.1	59.1	88.7
39	28.9	28.4	42.6





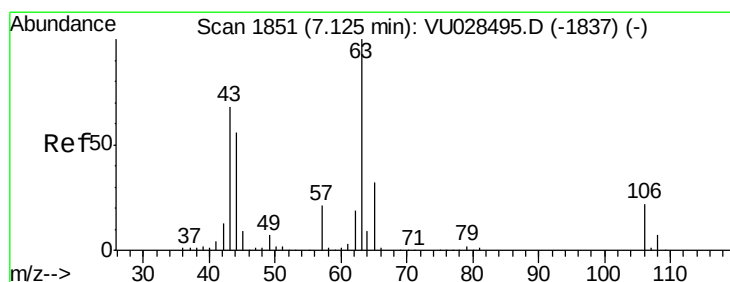
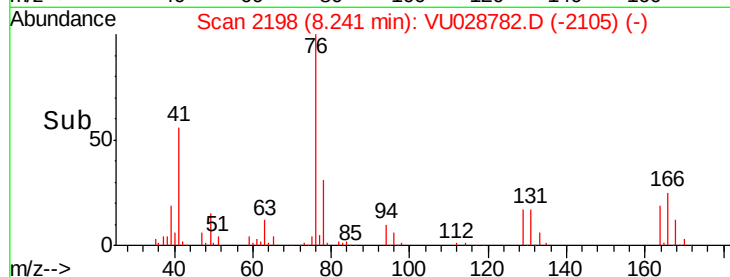
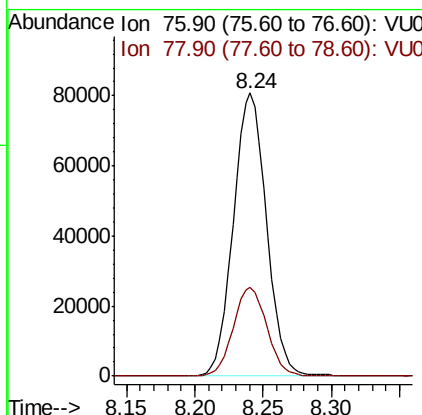
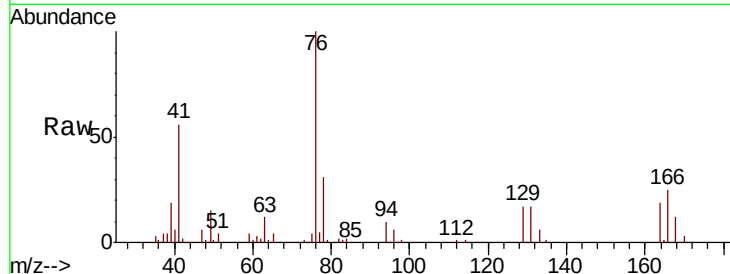
#57
 1,3-Dichloropropane
 Concen: 53.546 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 136033
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

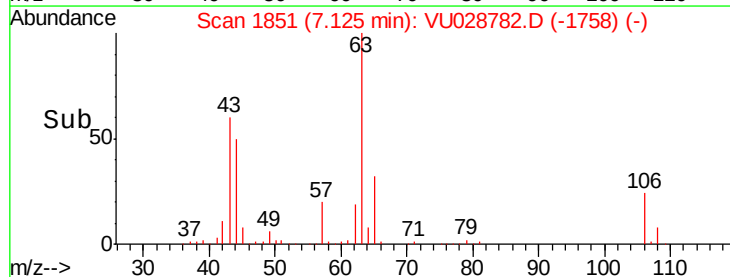
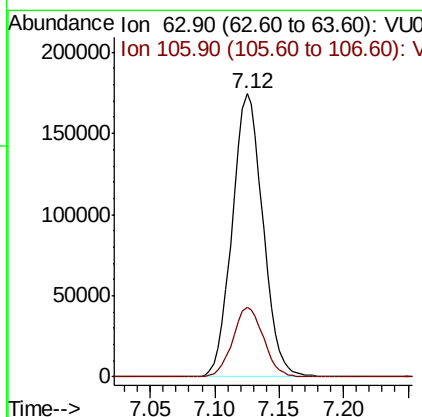
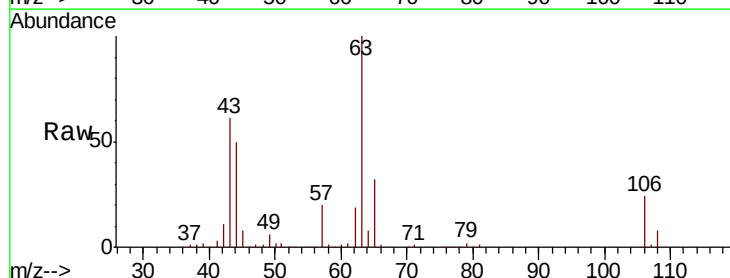
Manual Integrations
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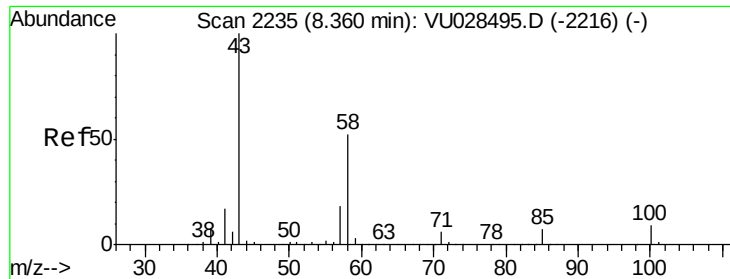
MMDadoda
 12/20/2018 8:58:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.482 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion: 63 Resp: 288676
 Ion Ratio Lower Upper
 63 100
 106 24.5 17.8 26.6





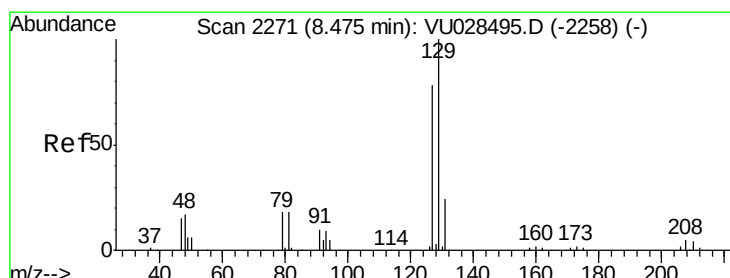
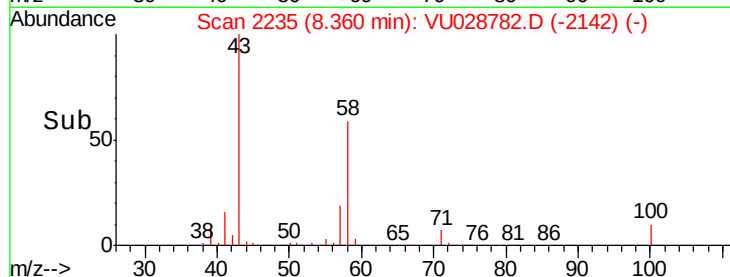
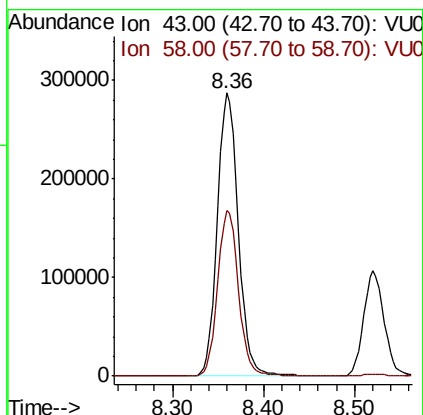
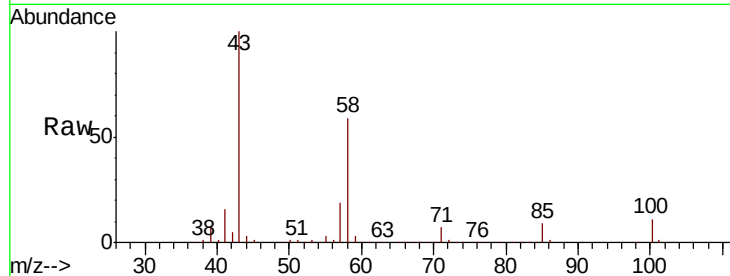
#59
2-Hexanone
Concen: 225.178 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 459735
Ion Ratio Lower Upper
43 100
58 58.4 25.9 77.6

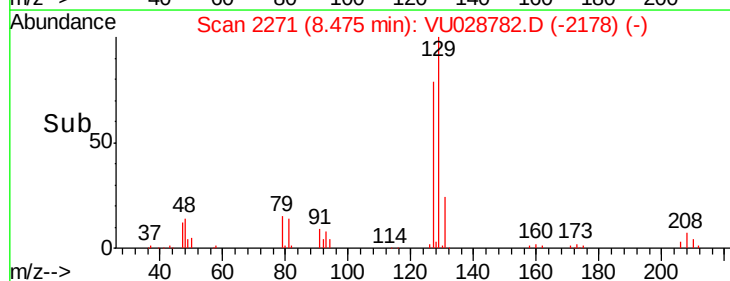
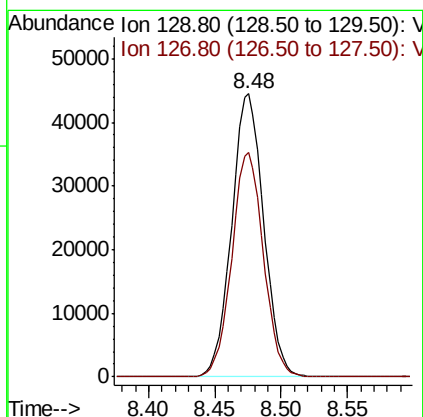
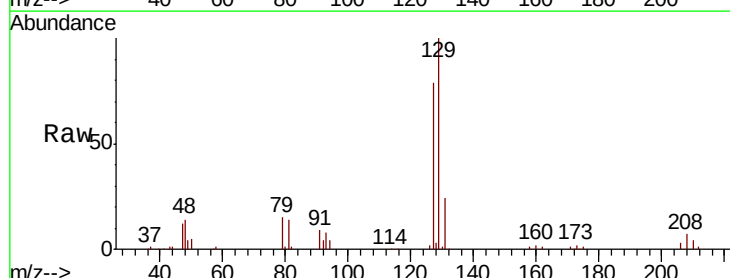
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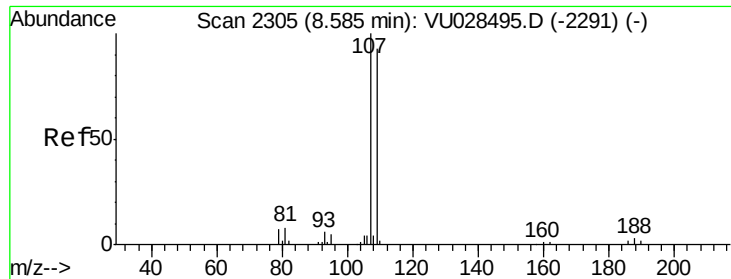
MMDadoda
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#60
Dibromochloromethane
Concen: 55.776 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 129 Resp: 74735
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





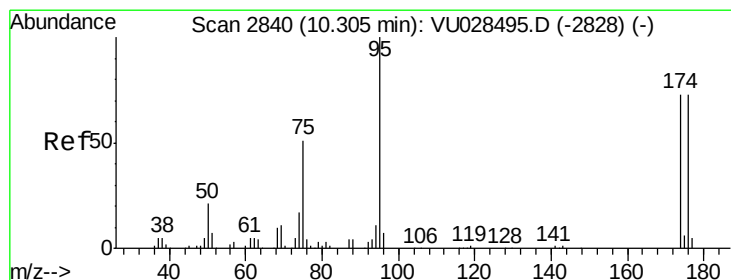
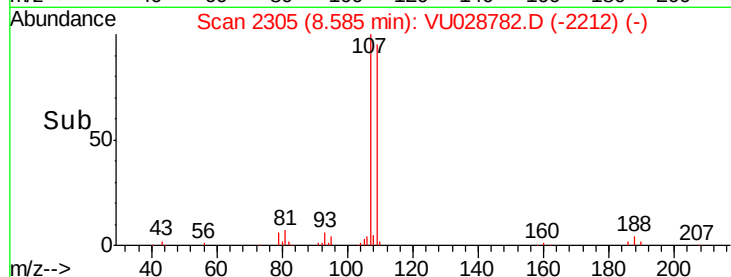
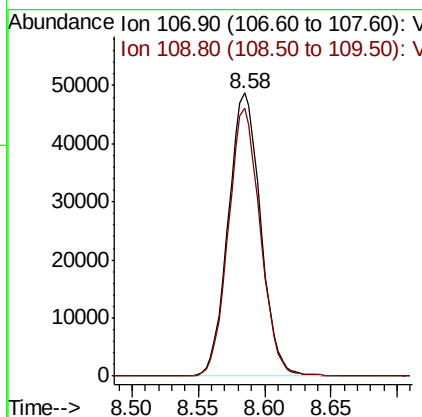
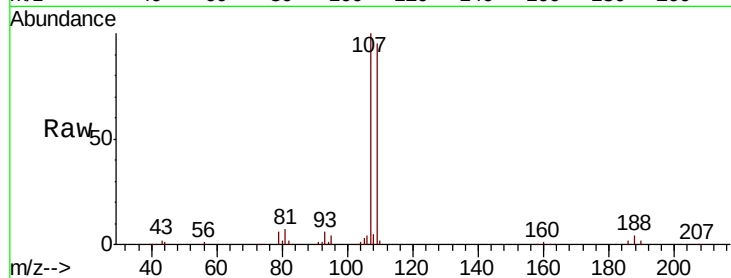
#61
 1,2-Dibromoethane
 Concen: 57.533 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 82569
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.5 111.7

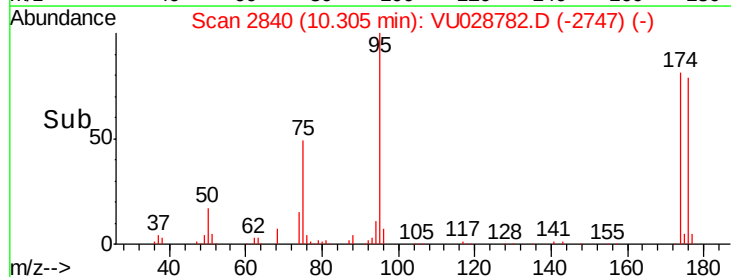
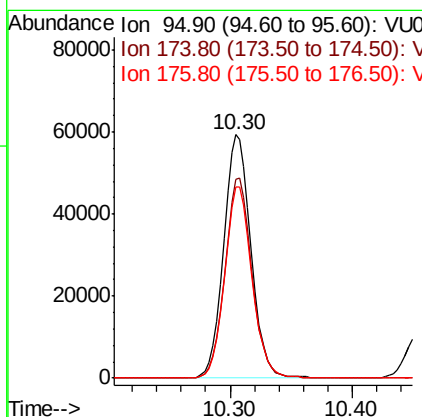
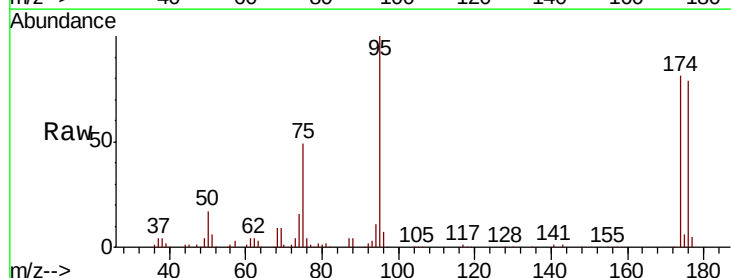
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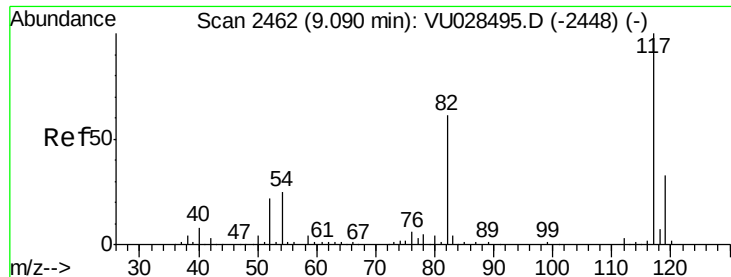
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#62
 4-Bromofluorobenzene
 Concen: 54.763 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion: 95 Resp: 93009
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 150.4
 176 78.8 0.0 145.2





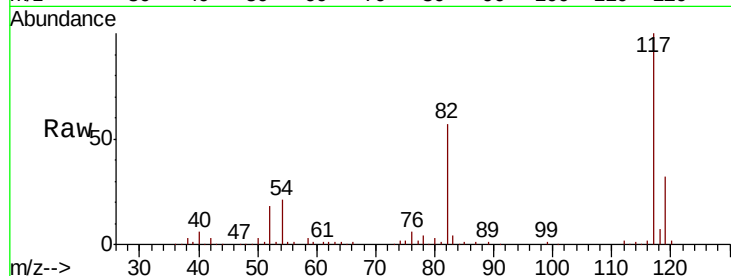
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	48.9	73.3
119	31.9	26.2	39.4

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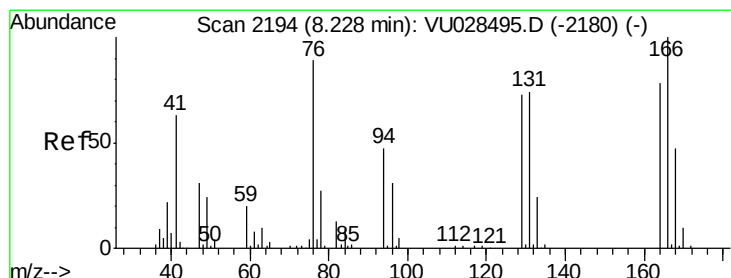
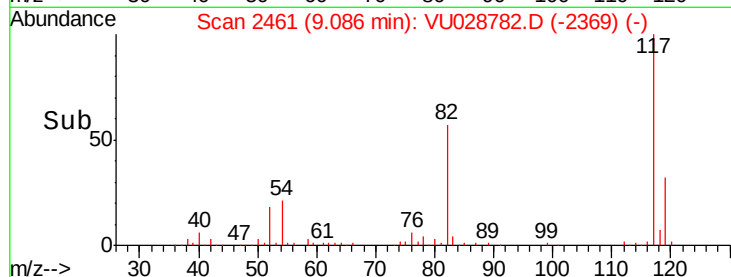
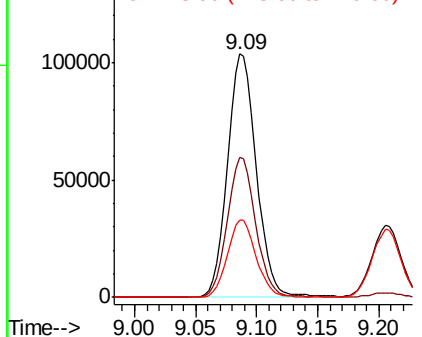


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 58.075 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.9	152.9
129	94.5	74.9	112.3
131	91.0	75.4	113.0

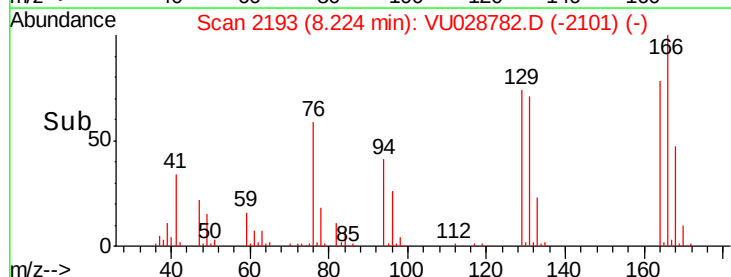
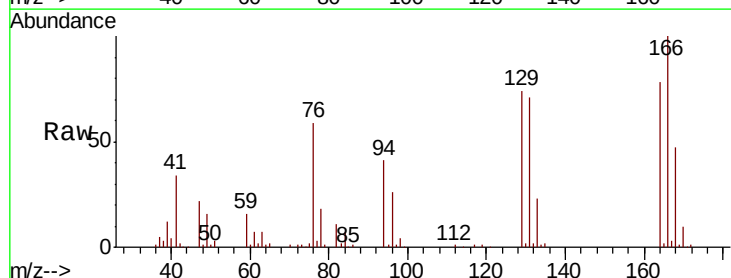
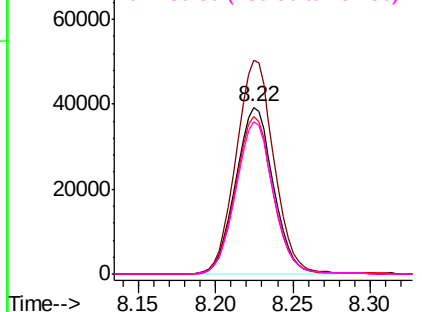
Abundance

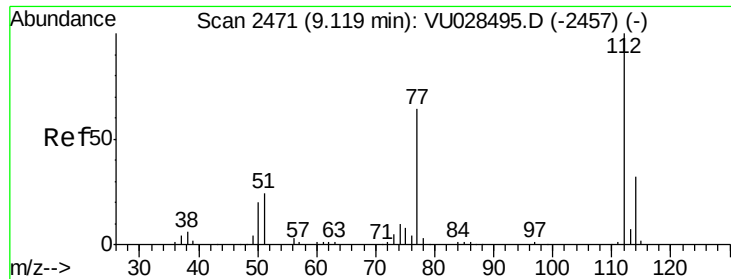
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





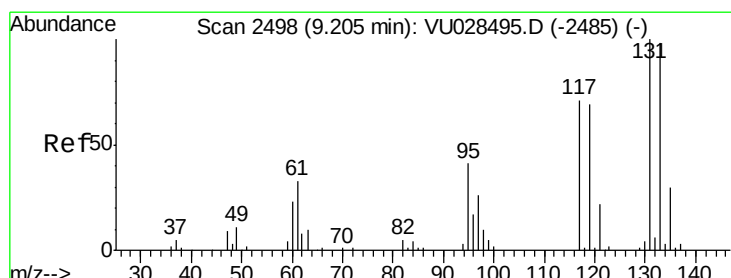
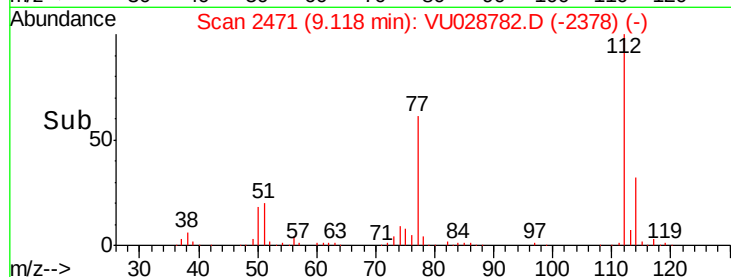
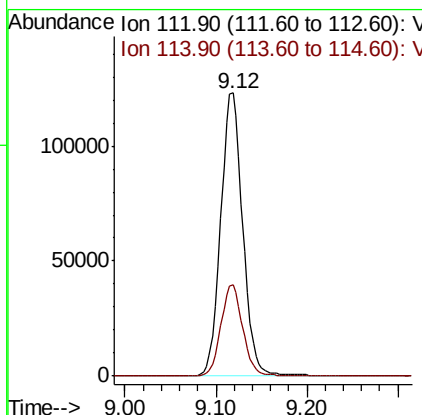
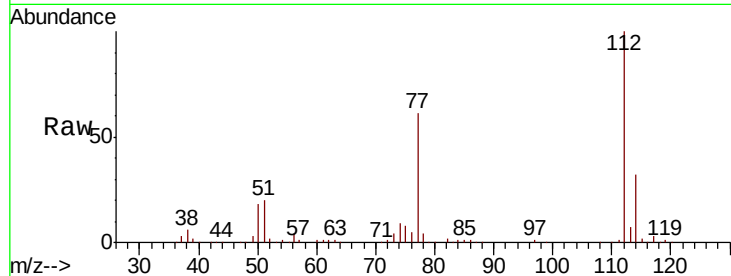
#65
Chlorobenzene
Concen: 56.531 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 207133
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

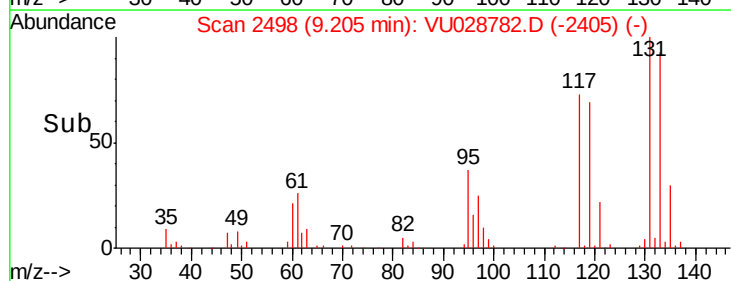
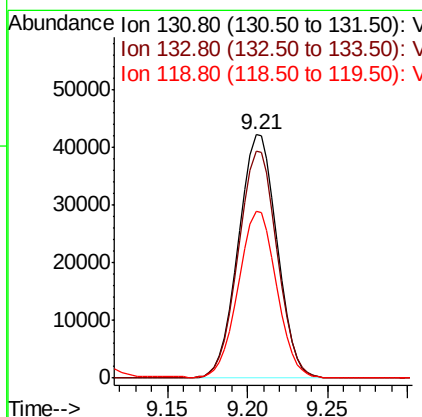
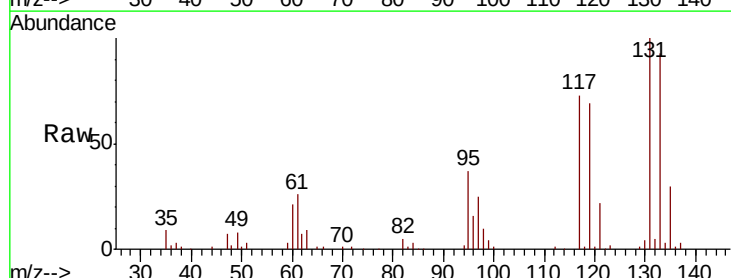
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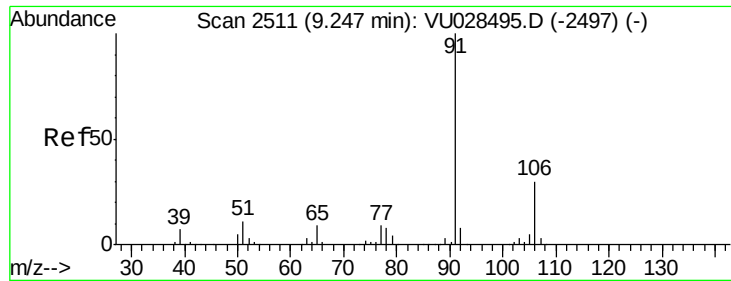
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.282 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:131 Resp: 69363
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.0
119 68.1 34.6 103.9





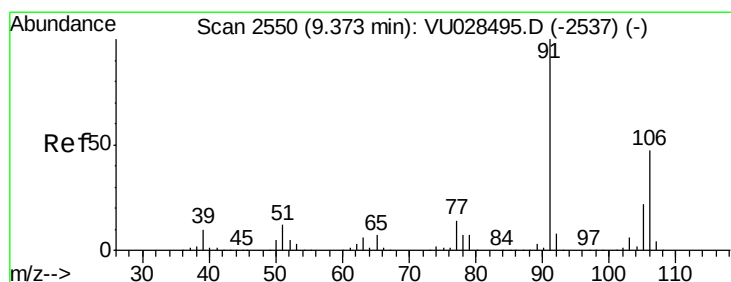
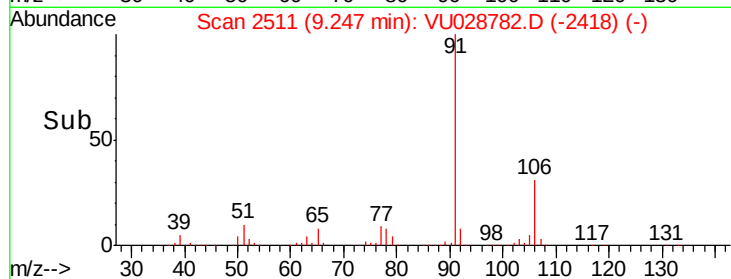
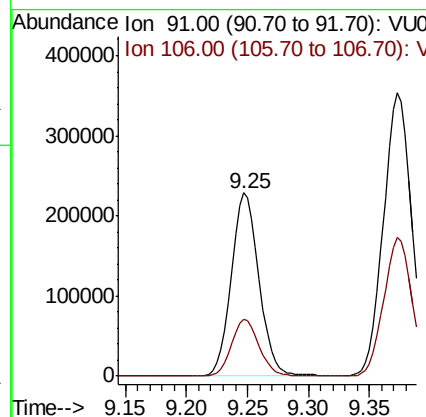
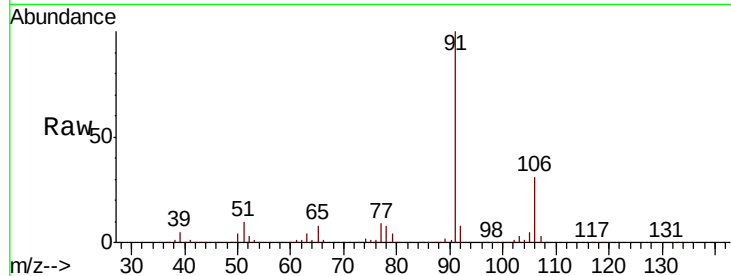
#67
Ethyl Benzene
Concen: 54.347 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 366064
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

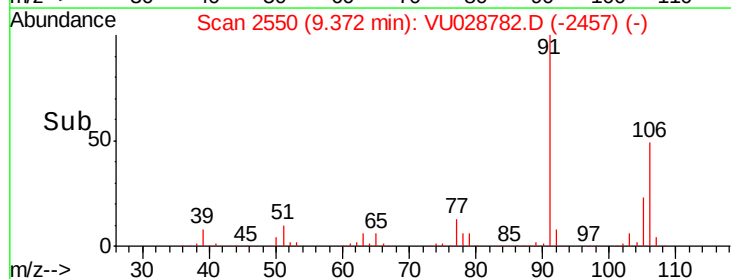
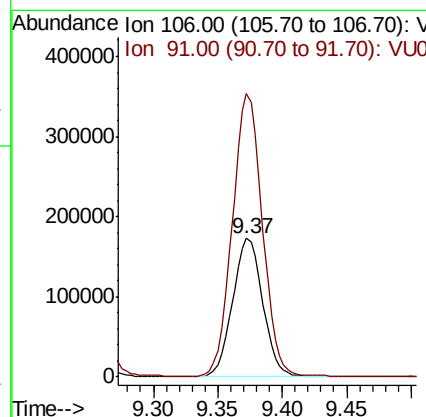
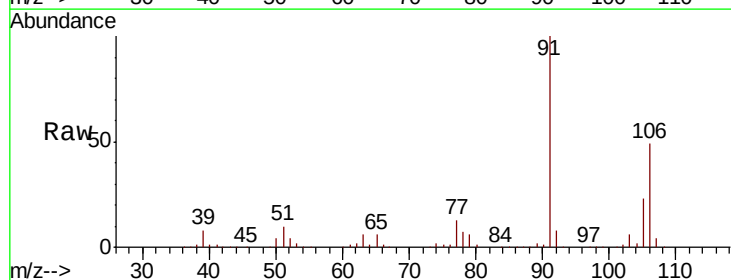
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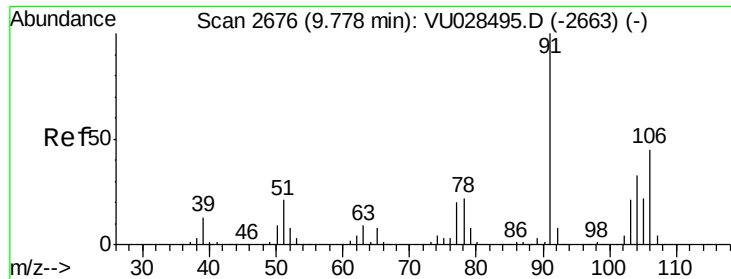
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#68
m/p-Xylenes
Concen: 114.077 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion: 106 Resp: 279595
Ion Ratio Lower Upper
106 100
91 205.3 167.4 251.0





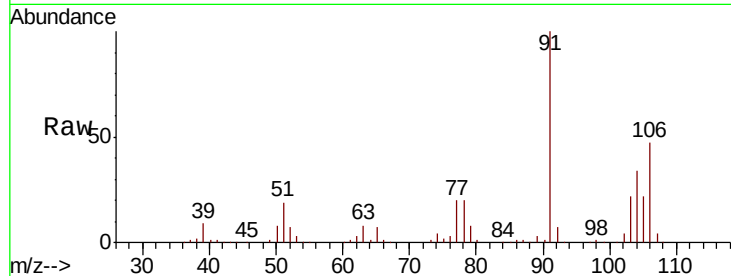
#69
o-Xylene
Concen: 57.132 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

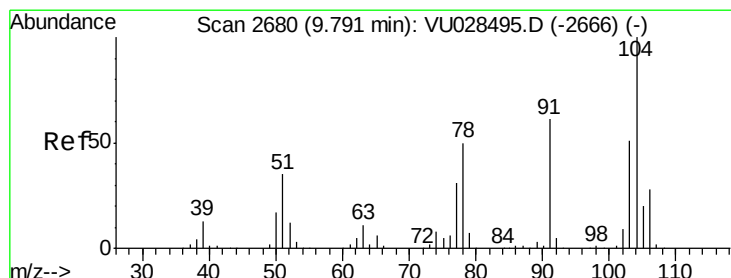
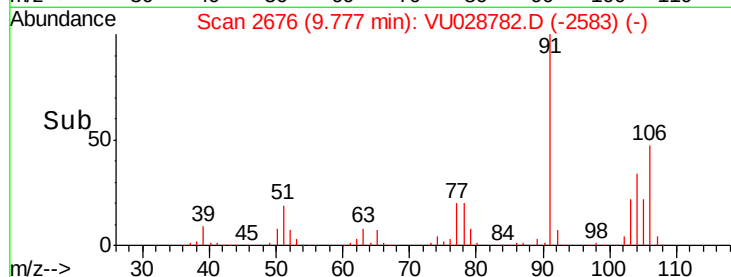
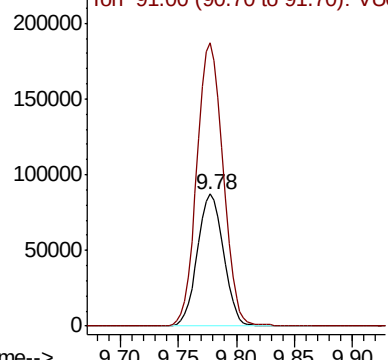
Tot Ion:106 Resp: 136079
Ion Ratio Lower Upper
106 100
91 215.1 111.3 334.0

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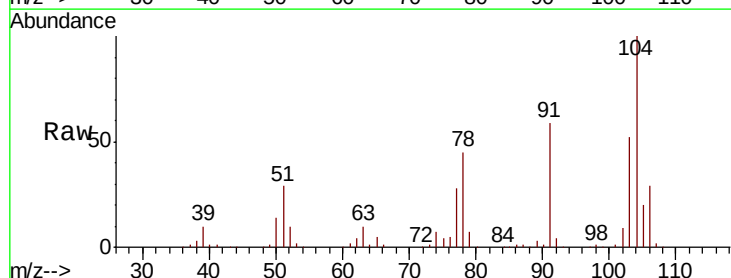


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

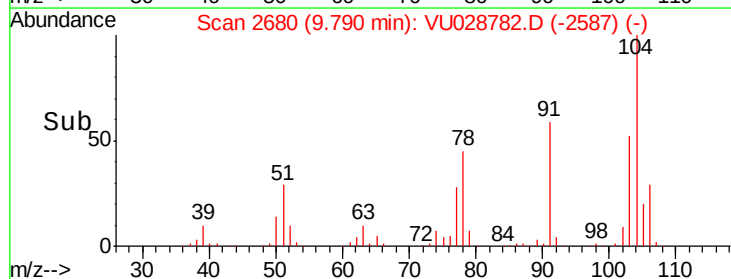
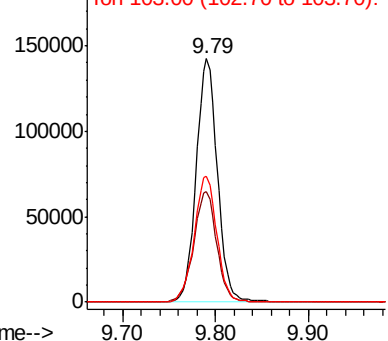


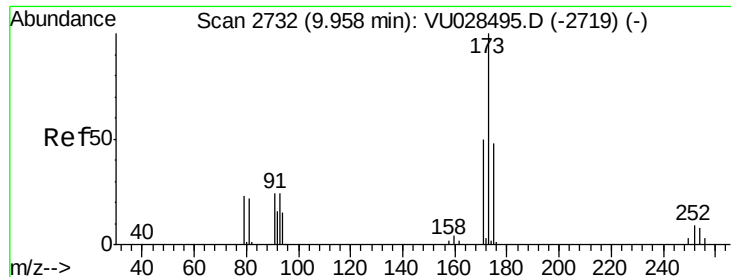
#70
Styrene
Concen: 57.355 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion:104 Resp: 226079
Ion Ratio Lower Upper
104 100
78 49.4 43.0 64.6
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 59.274 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 58998

Ion Ratio Lower Upper

173 100

175 47.2 23.9 71.8

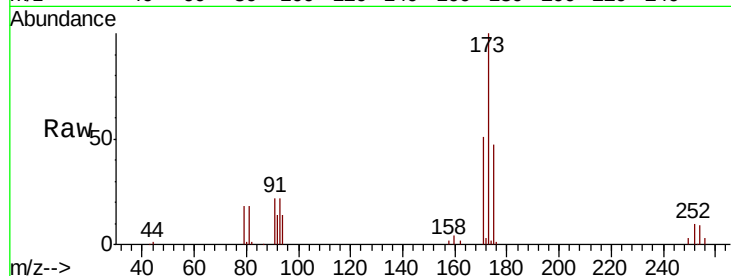
254 0.0 0.0 0.0

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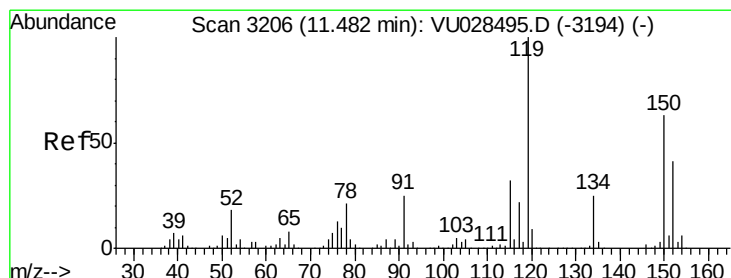
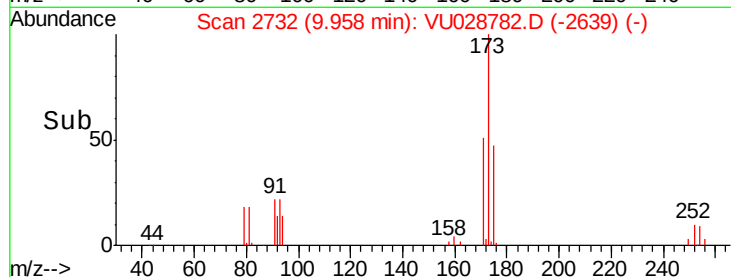
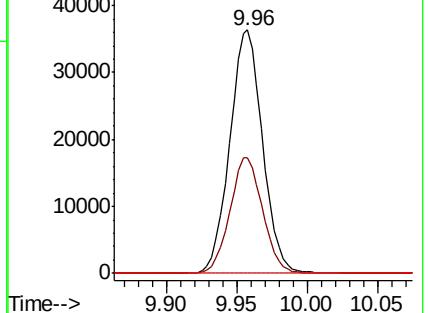
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

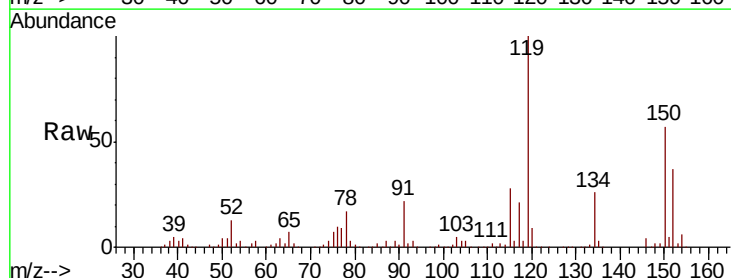
Tgt Ion:152 Resp: 88297

Ion Ratio Lower Upper

152 100

115 83.6 42.7 128.1

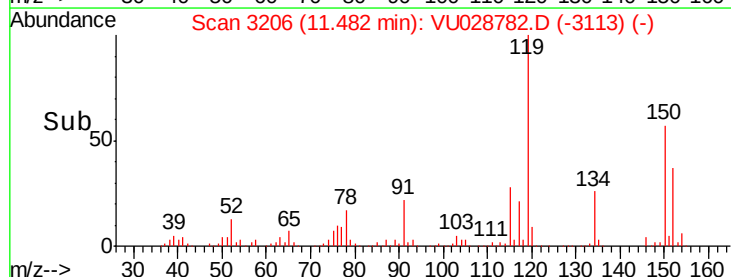
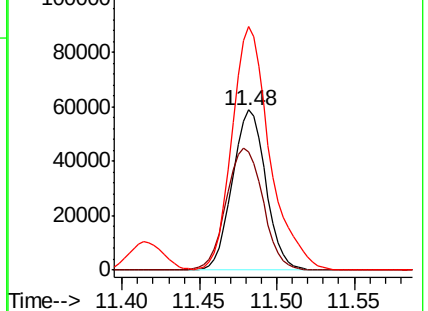
150 171.6 0.0 346.0

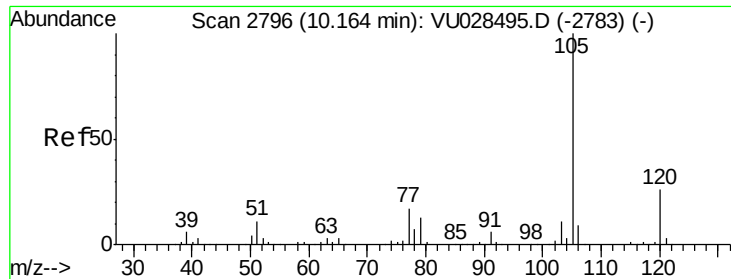


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.658 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 356777

Ion Ratio Lower Upper

105 100

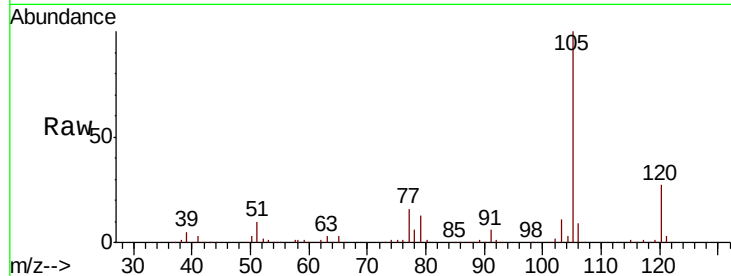
120 26.4 12.9 38.6

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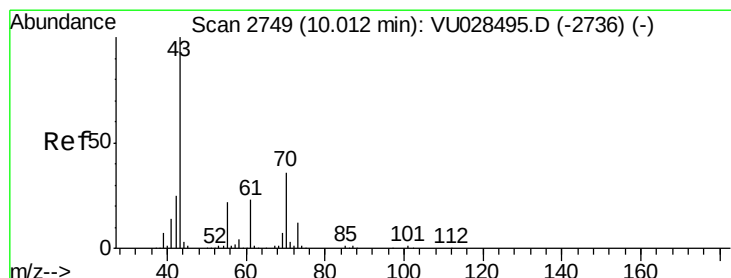
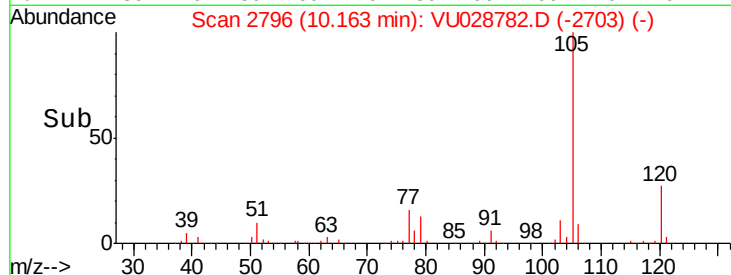
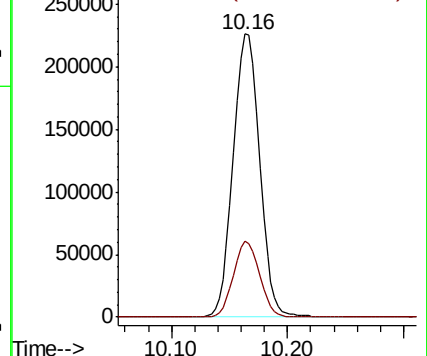
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.160 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion: 43 Resp: 164772

Ion Ratio Lower Upper

43 100

70 43.3 29.3 43.9

55 24.9 18.0 27.0

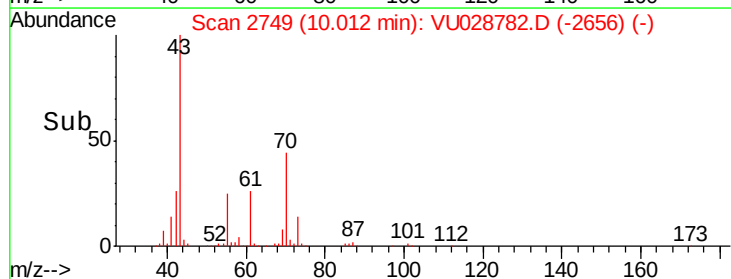
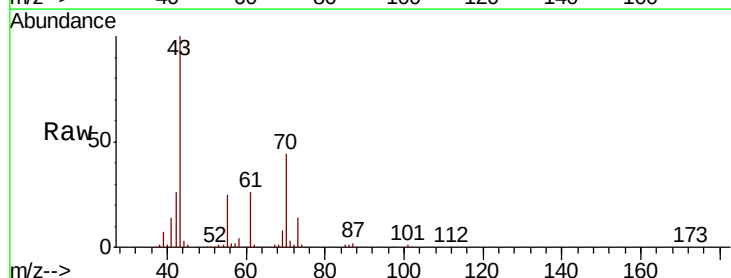
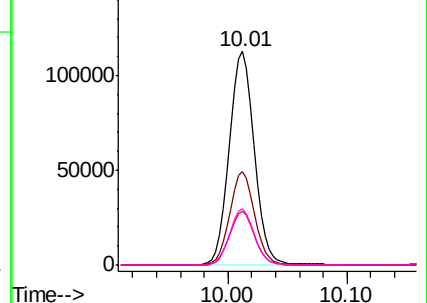
61 25.9 18.3 27.5

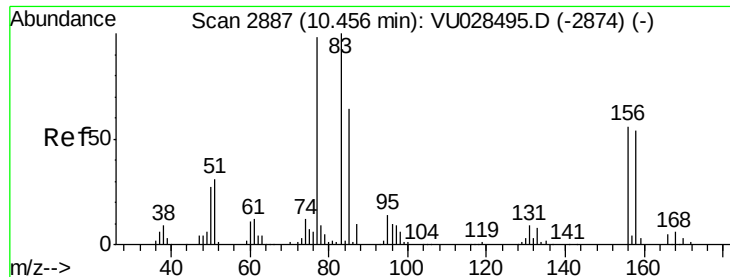
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.848 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

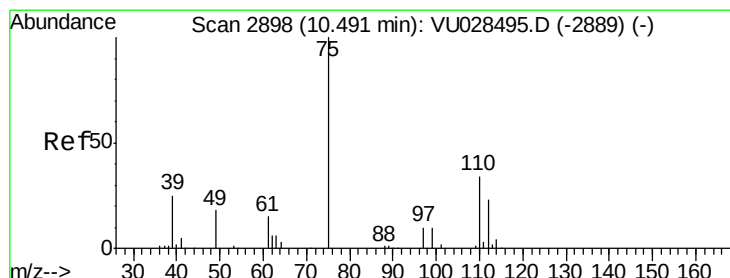
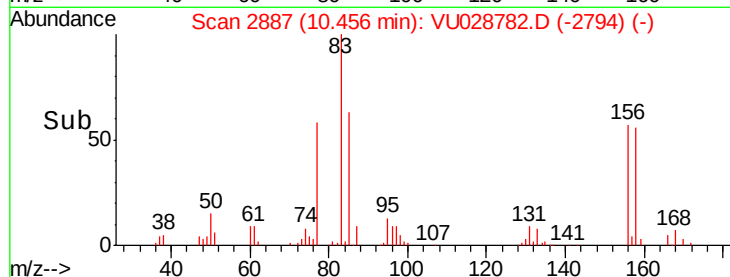
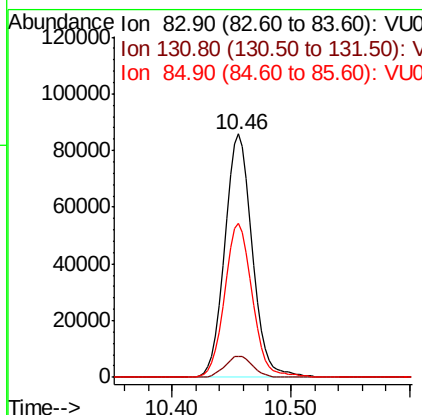
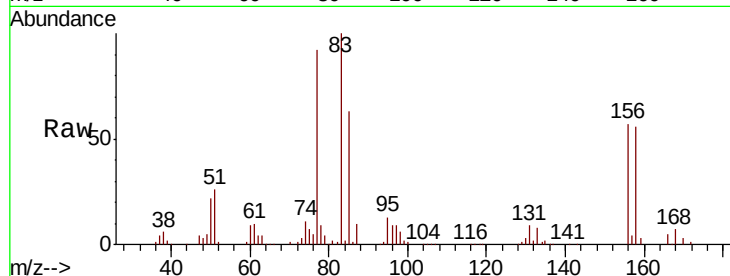
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	137547
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.2	12.4
85	63.7	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 51.939 ug/l m

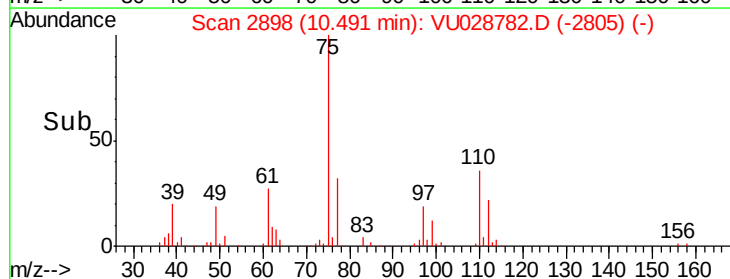
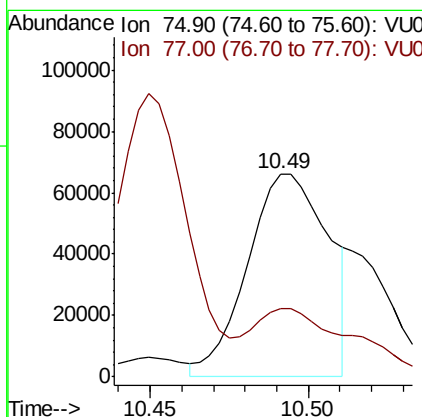
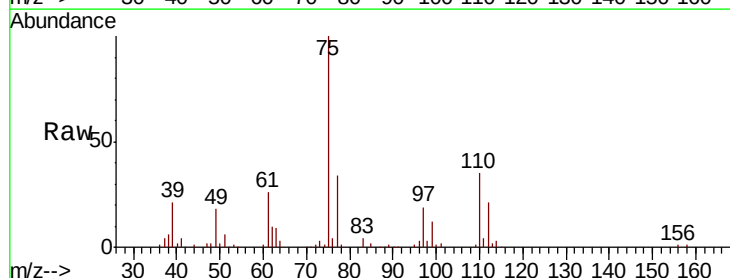
RT: 10.49 min Scan# 2898

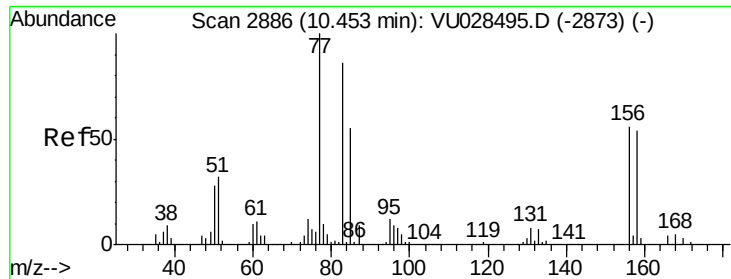
Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion:	75	Resp:	117106
Ion Ratio	Lower	Upper	
75	100		
77	41.4	20.8	62.4





#77

Bromobenzene

Concen: 55.608 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

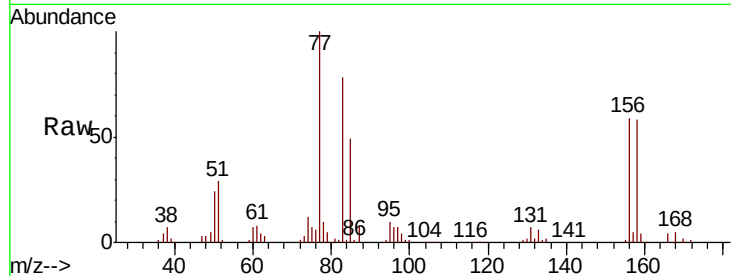
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.2	92.4	277.2
158	97.3	48.4	145.3

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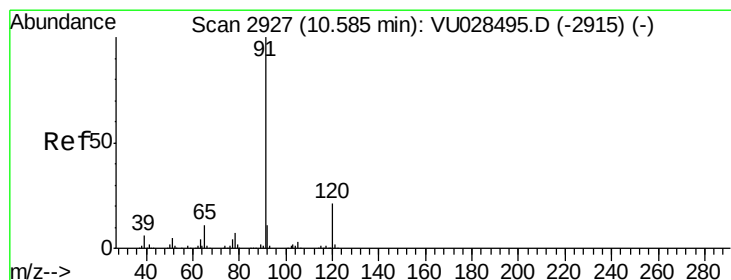
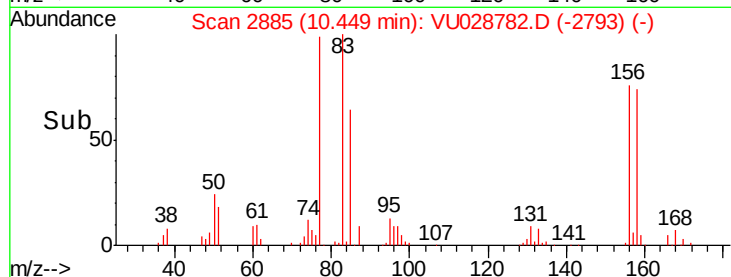
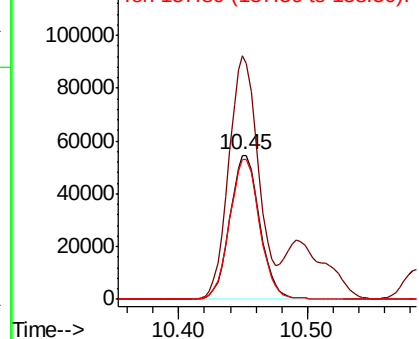


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.556 ug/l

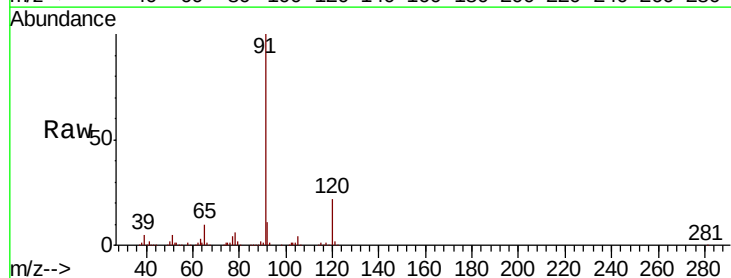
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

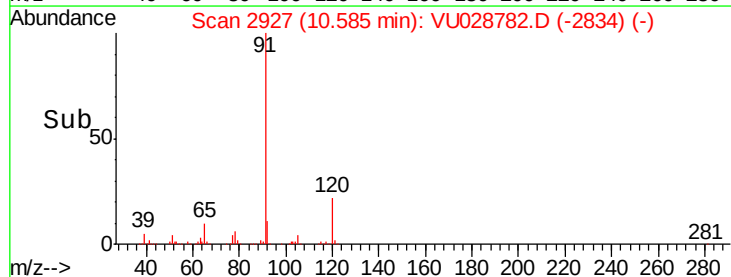
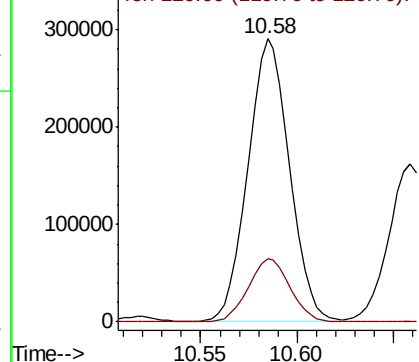
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.6	31.8

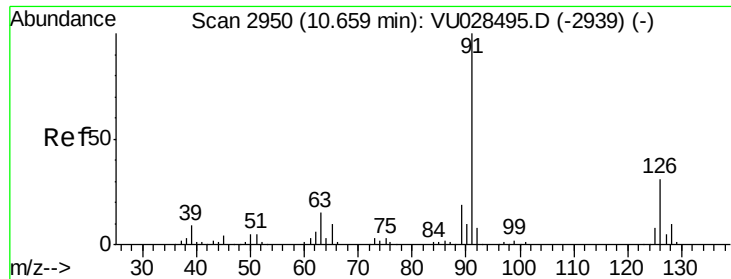


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.644 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 250450

Ion Ratio Lower Upper

91 100

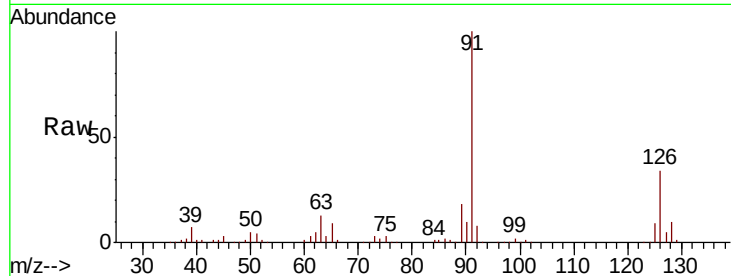
126 34.2 15.6 46.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

300000

200000

100000

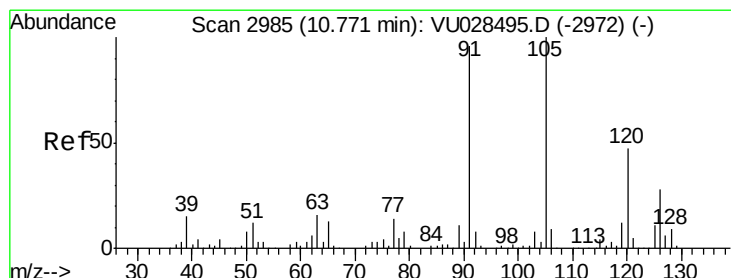
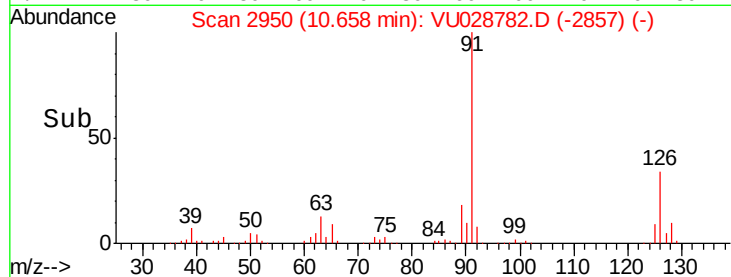
0

10.66

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.531 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028782.D

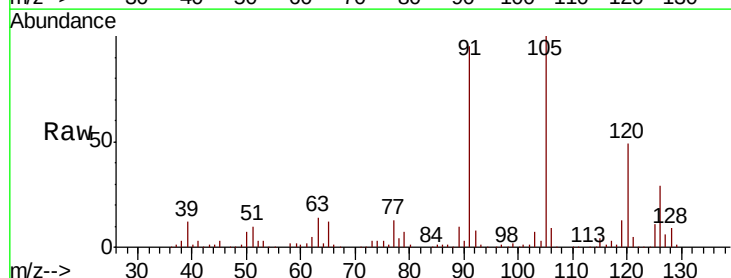
Acq: 19 Dec 2018 09:49

Tgt Ion: 105 Resp: 300222

Ion Ratio Lower Upper

105 100

120 49.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

200000

150000

100000

50000

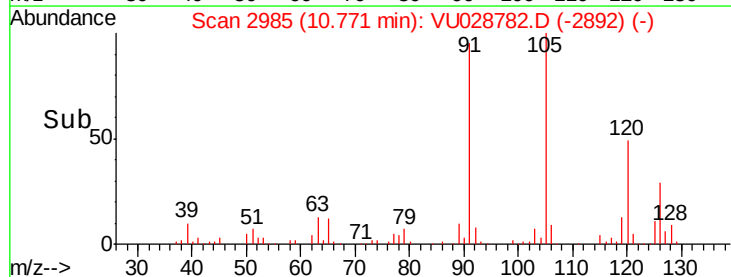
0

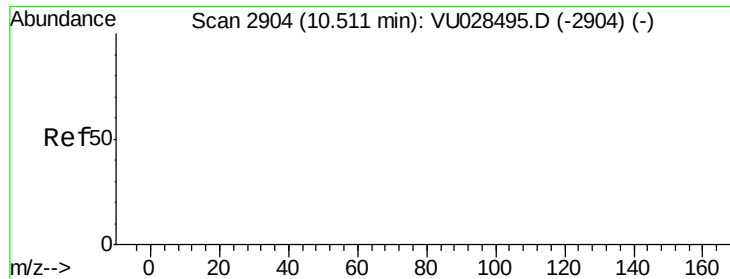
10.77

10.70

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.081 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028782.D

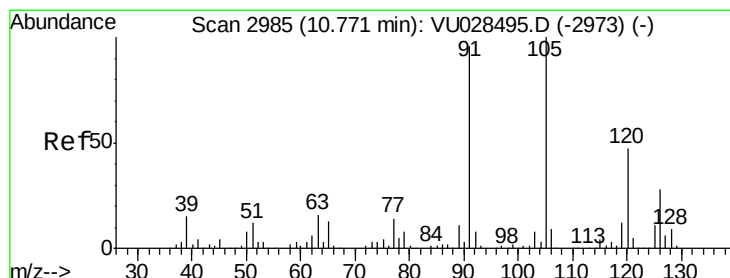
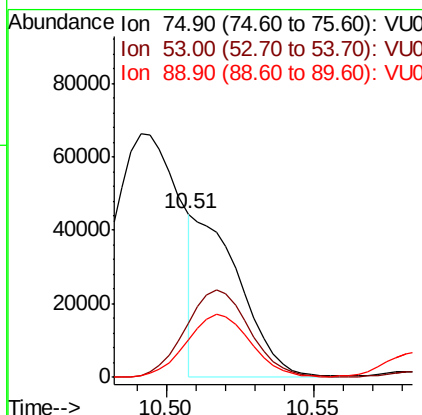
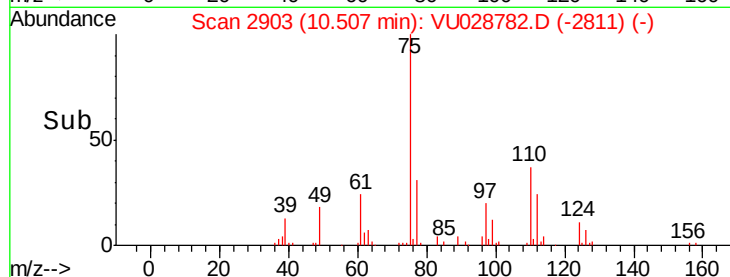
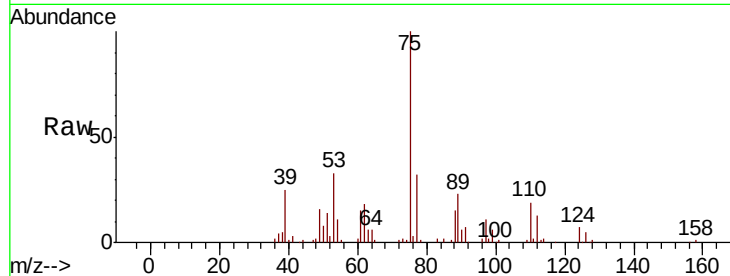
Acq: 19 Dec 2018 09:49

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.999 ug/l

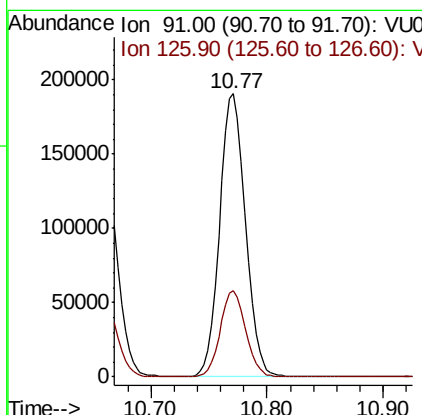
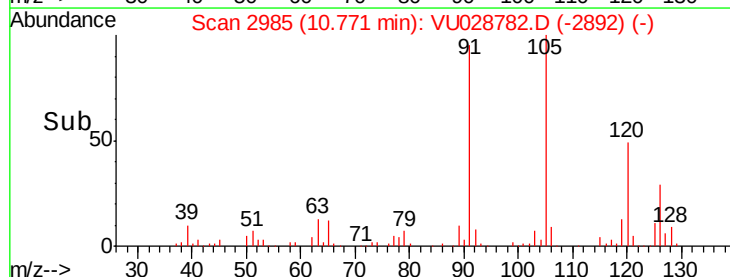
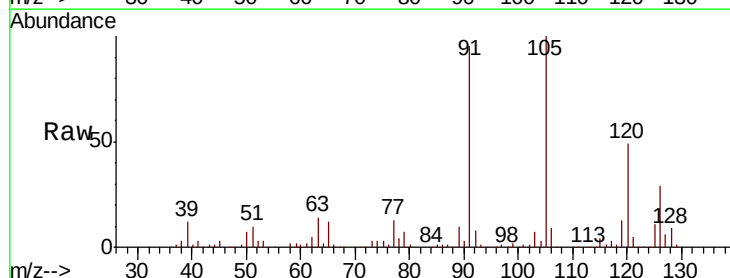
RT: 10.77 min Scan# 2985

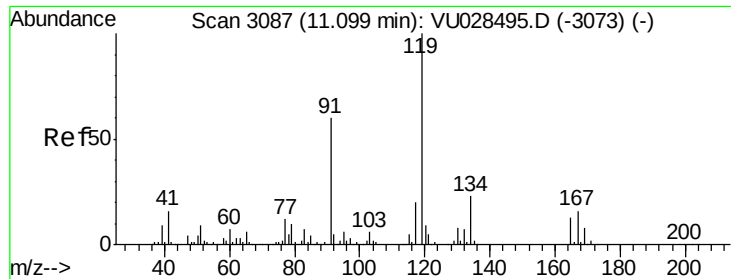
Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.1	42.3





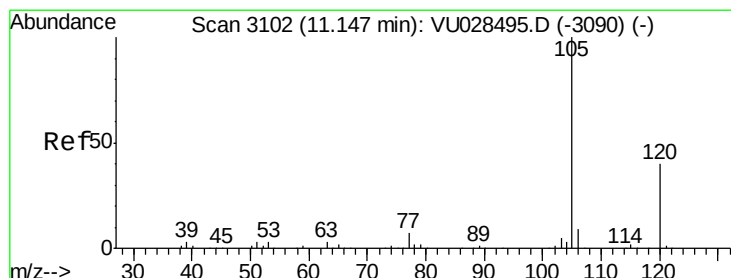
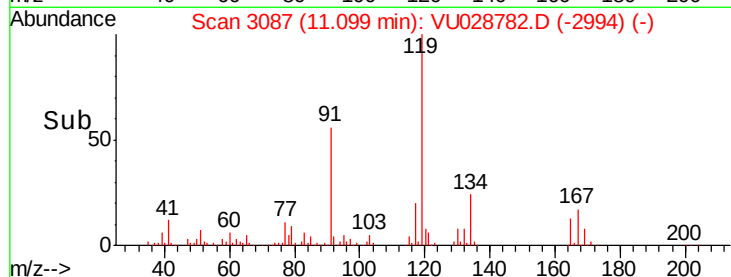
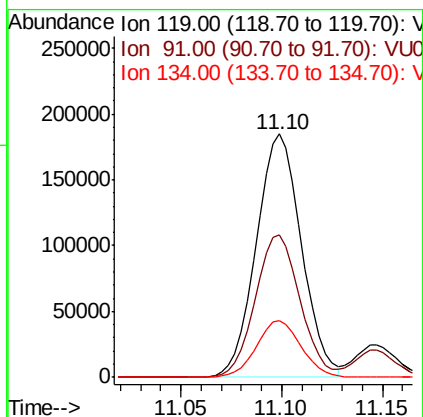
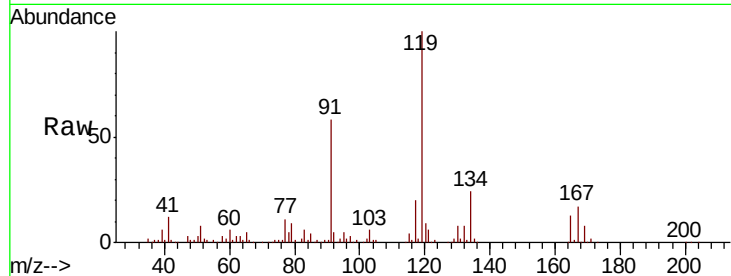
#83
 tert-Butylbenzene
 Concen: 53.459 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288984		
91	58.2		30.3	91.0
134	23.0		11.2	33.5

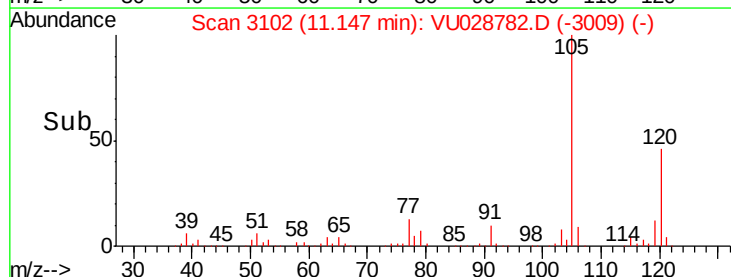
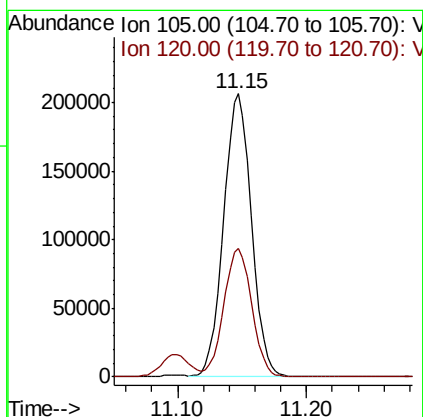
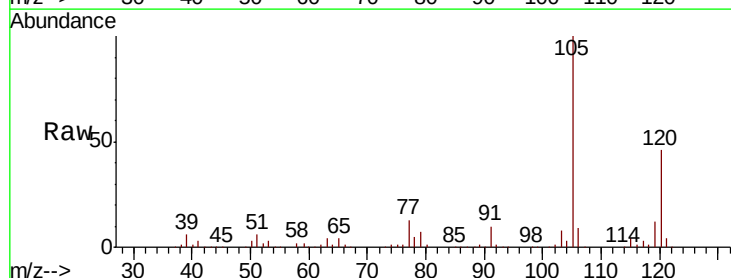
Manual Integrations
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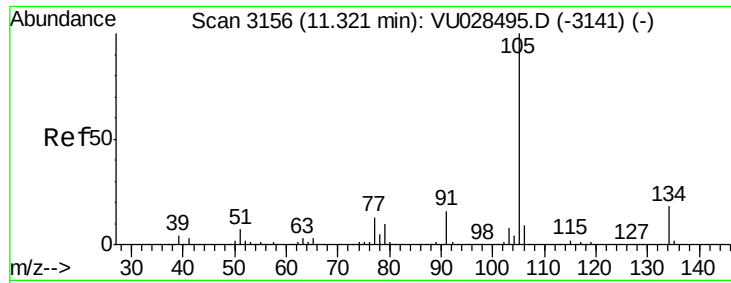
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.420 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	308767		
120	45.4		21.8	65.4





#85

sec-Butylbenzene

Concen: 52.913 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 367458

Ion Ratio Lower Upper

105 100

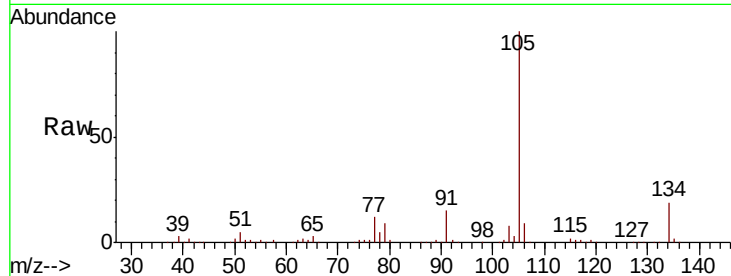
134 19.5 9.2 27.6

Manual Integrations

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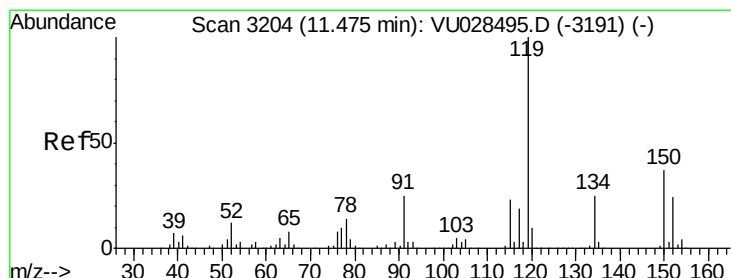
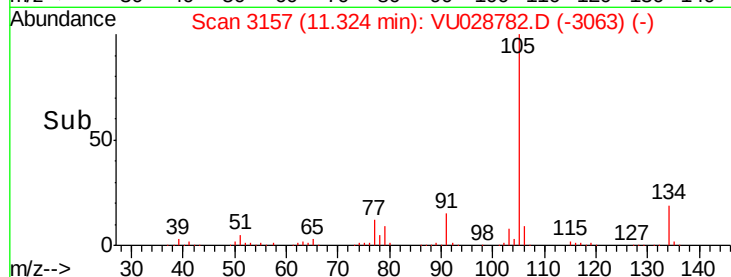
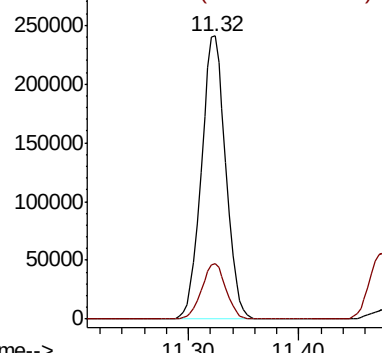
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.536 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028782.D

Acq: 19 Dec 2018 09:49

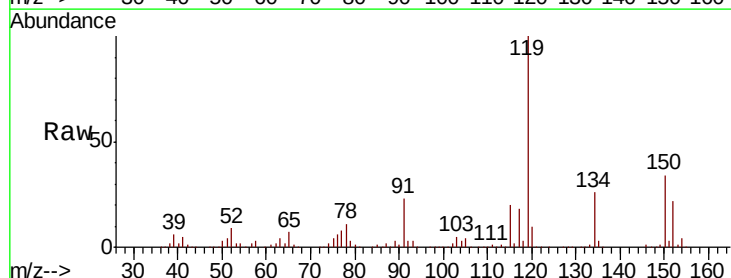
Tgt Ion:119 Resp: 315822

Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.1

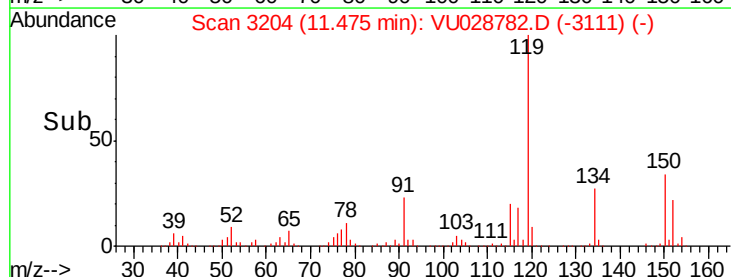
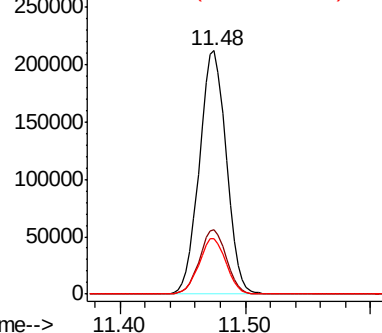
91 23.1 12.6 37.6

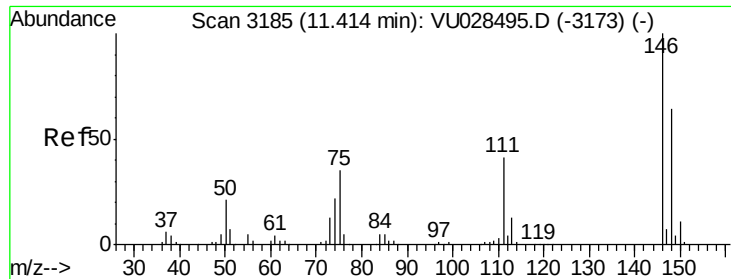


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





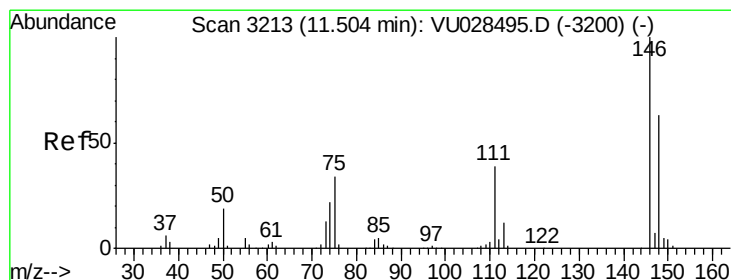
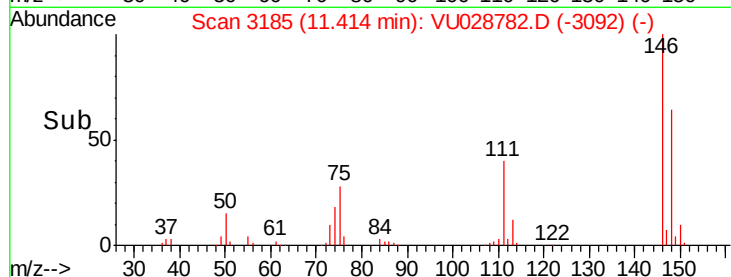
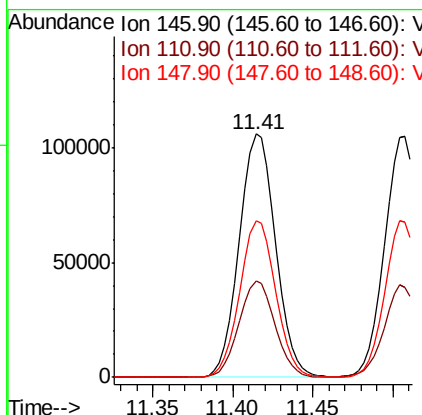
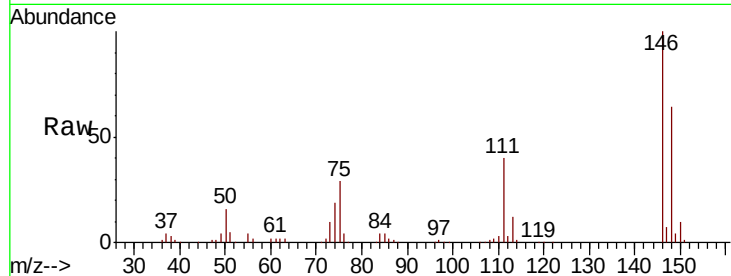
#87
 1,3-Dichlorobenzene
 Concen: 54.750 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.7	62.1
148	63.7	31.9	95.7

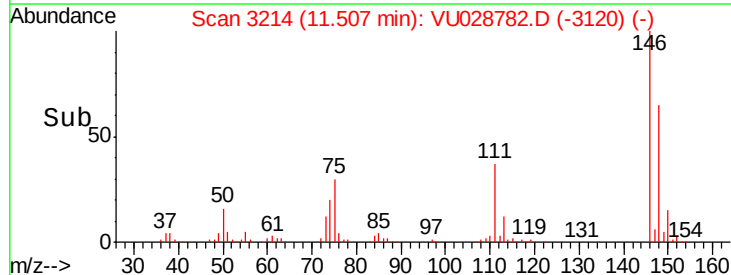
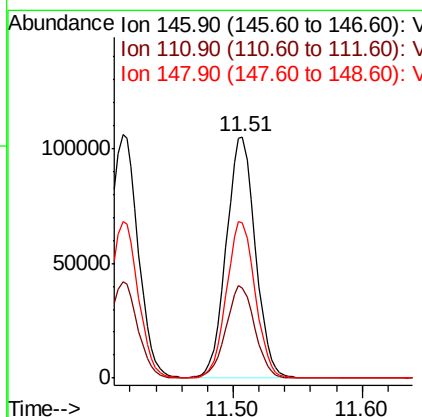
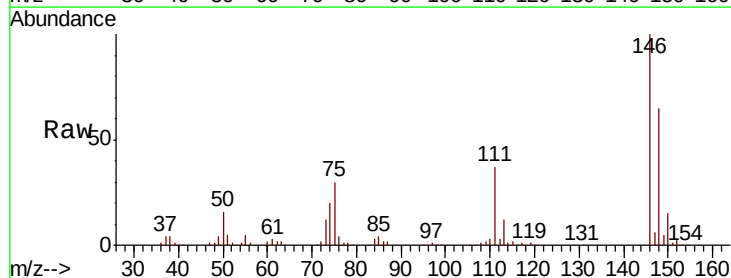
Manual Integrations
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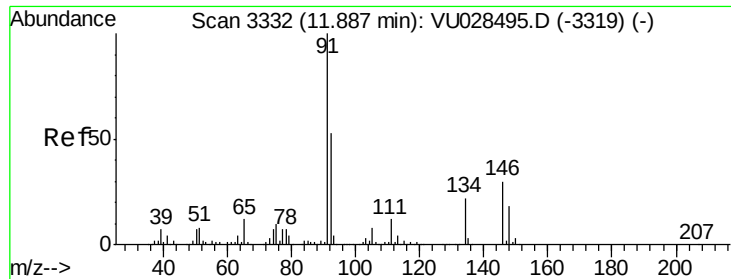
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 12/20/2018 8:58:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.036 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.2	60.5
148	64.3	31.6	95.0





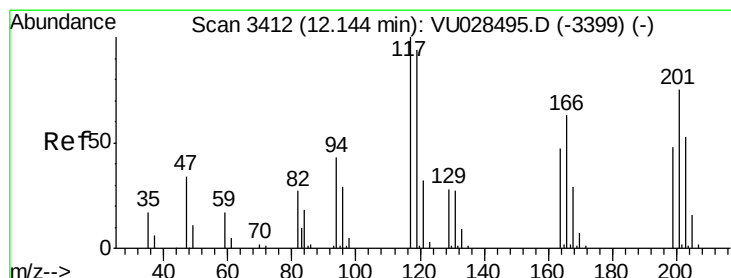
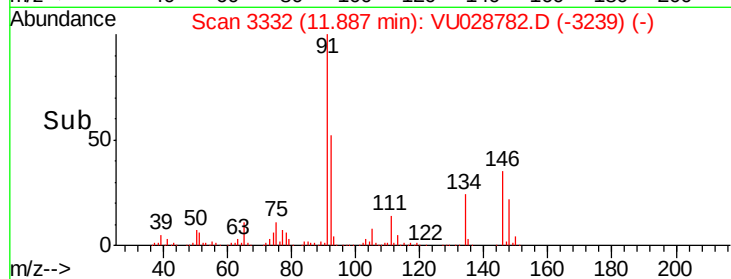
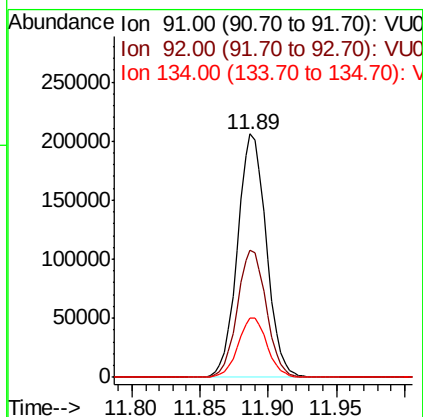
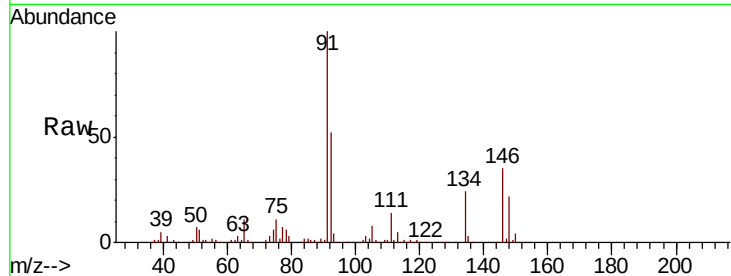
#89
n-Butylbenzene
Concen: 50.576 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	24.5	11.3	33.8

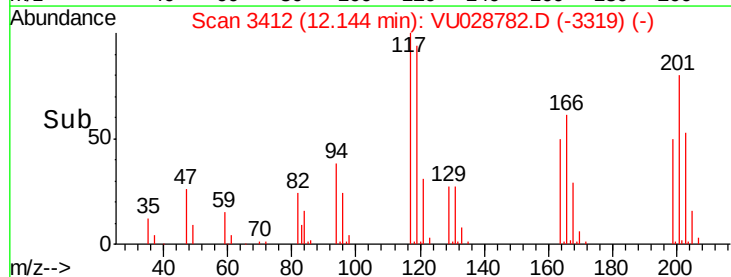
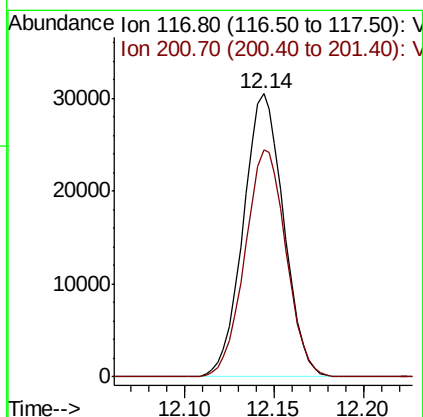
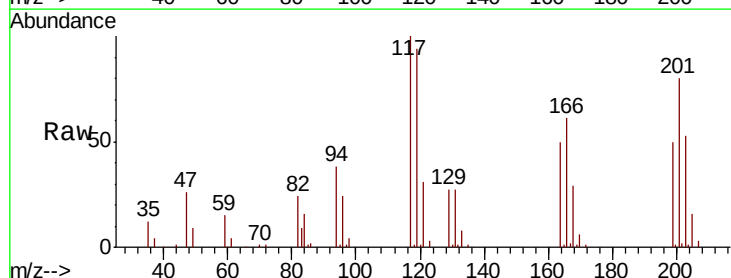
Manual Integrations
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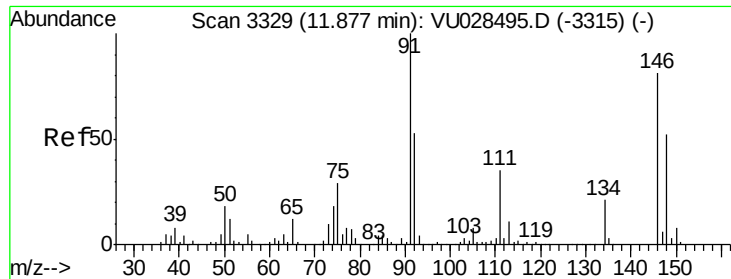
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#90
Hexachloroethane
Concen: 54.235 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	38.1	114.5





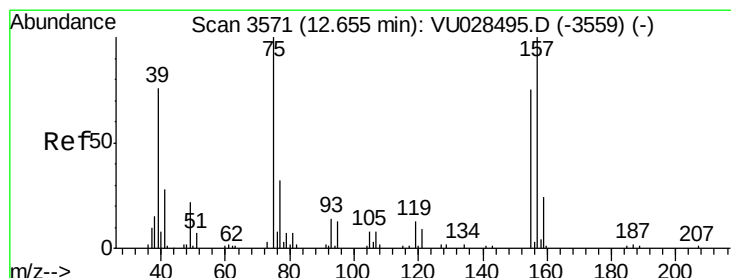
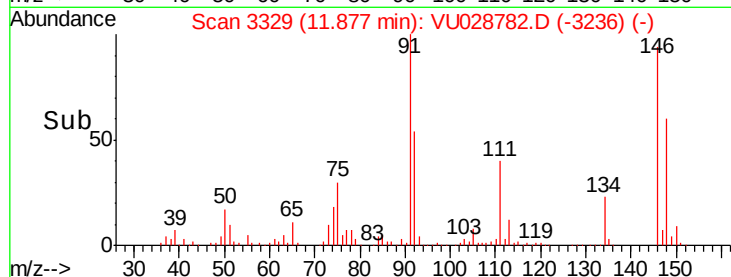
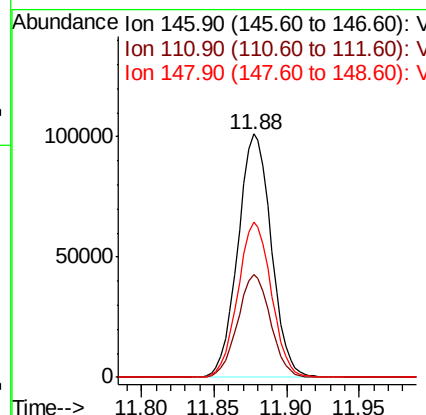
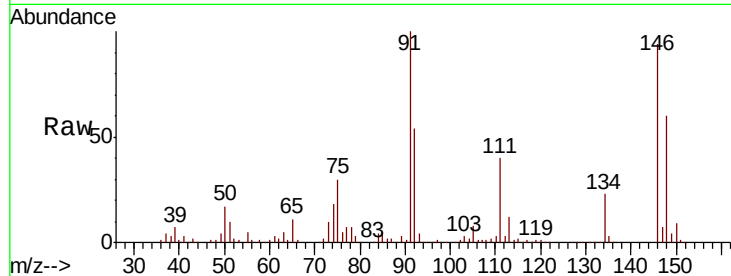
#91
 1,2-Dichlorobenzene
 Concen: 53.986 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.4
148	63.8	31.4	94.2

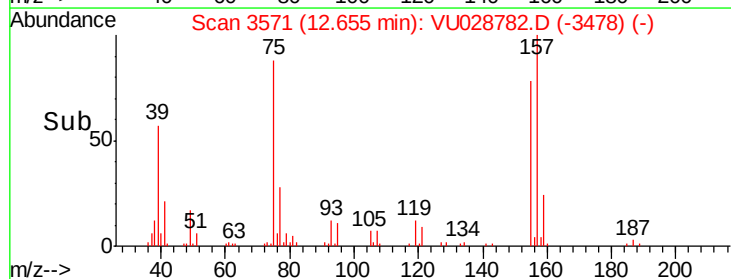
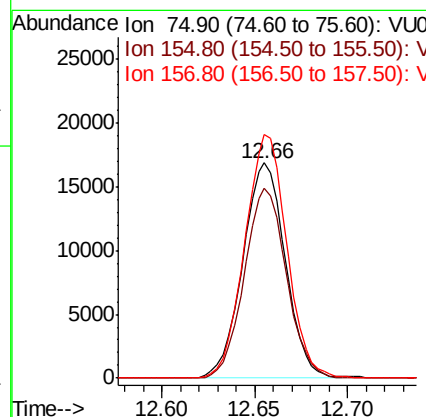
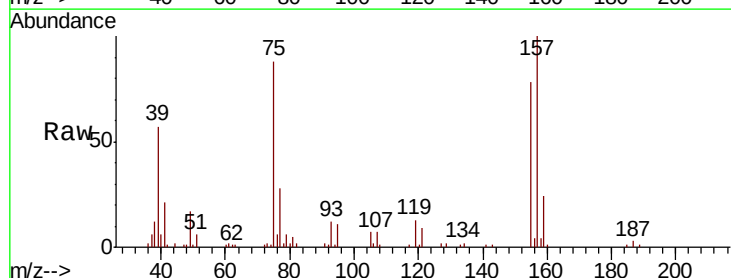
Manual Integrations
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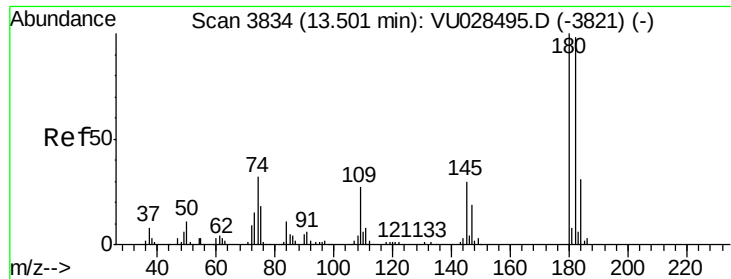
MMDadoda
 12/20/2018 8:58:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.824 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	38.1	114.5
157	112.0	48.7	146.1





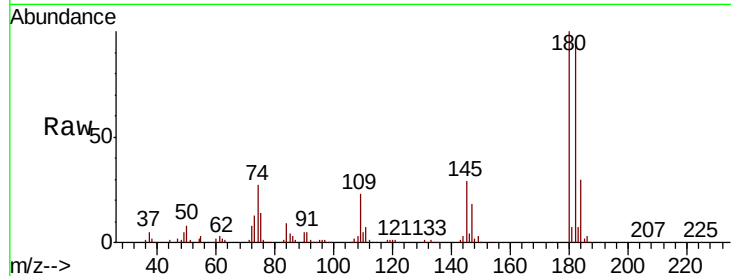
#93
 1,2,4-Trichlorobenzene
 Concen: 53.360 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109860		
182	94.9	47.9	143.8	
145	28.8	15.0	45.1	

Manual Integrations
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MMDadoda
 12/20/2018 8:58:34 AM

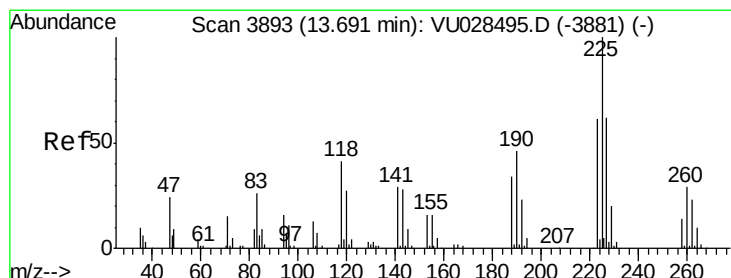
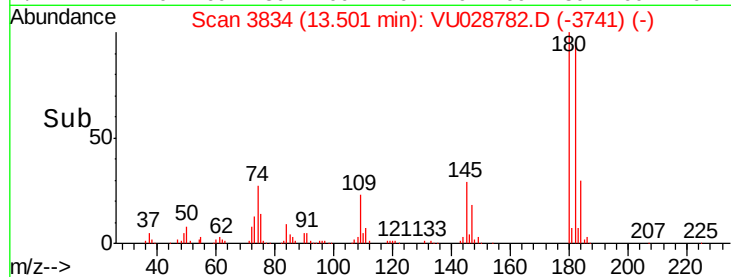
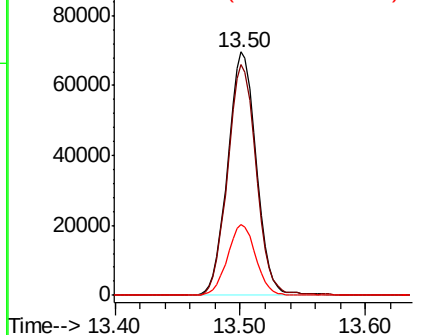


Abundance

Ion 179.80 (179.50 to 180.50): V

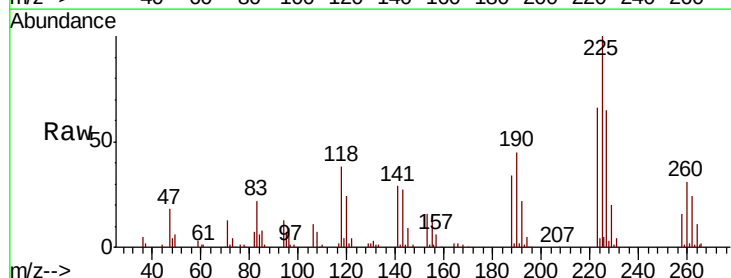
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.626 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028782.D
 Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49633		
223	65.9	30.4	91.2	
227	64.0	30.7	92.1	

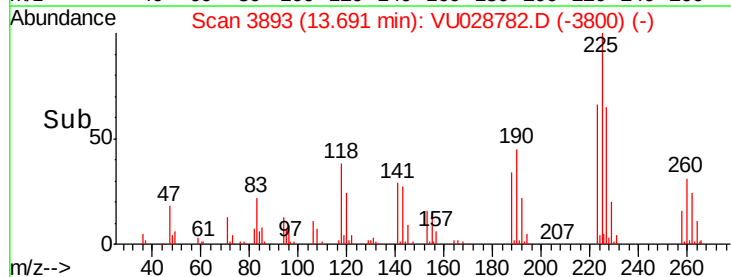
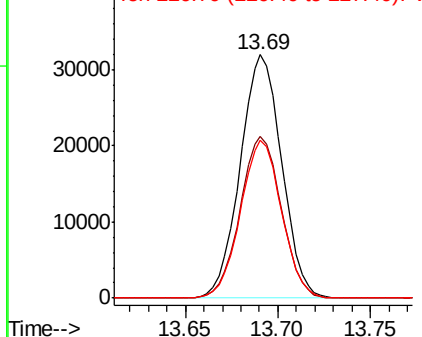


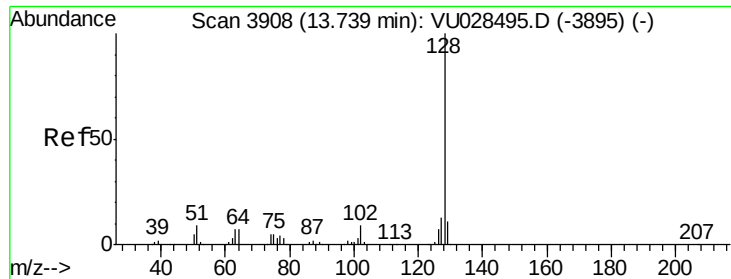
Abundance

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





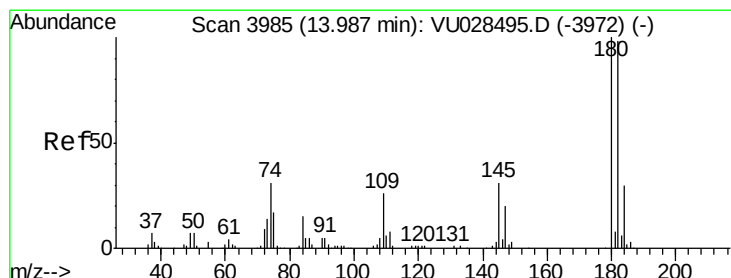
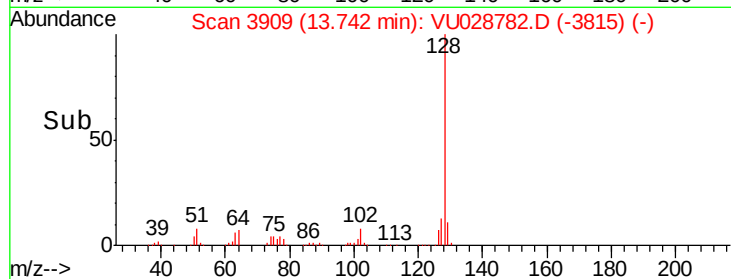
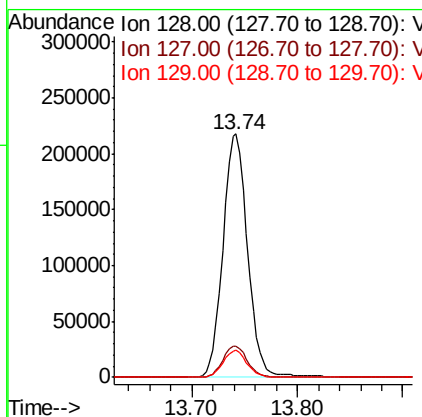
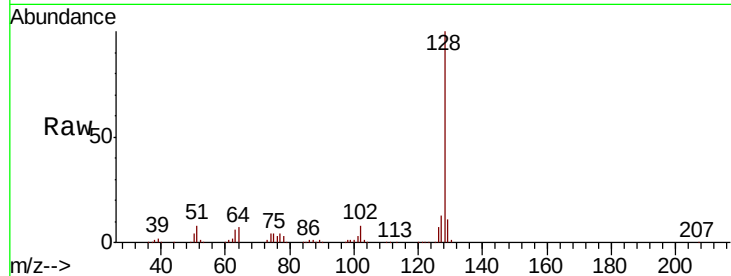
#95
Naphthalene
Concen: 48.963 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
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12/20/2018 8:58:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.599 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028782.D
Acq: 19 Dec 2018 09:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.2	144.6
145	30.1	15.8	47.3

