

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045541.D
 Acq On : 03 Nov 2021 23:36
 Operator : SY/MD
 Sample : M4470-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

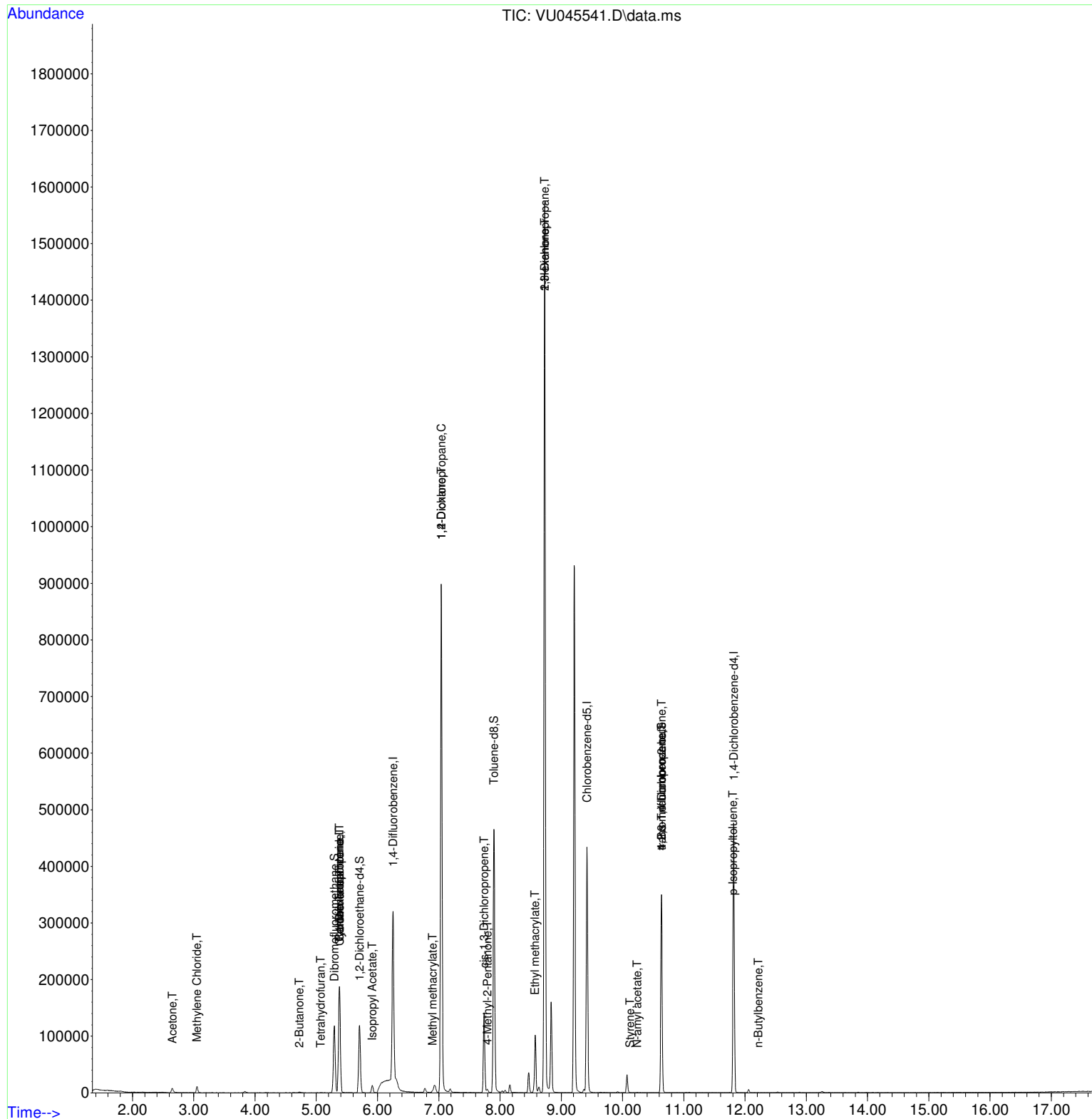
Quant Time: Nov 05 13:57:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

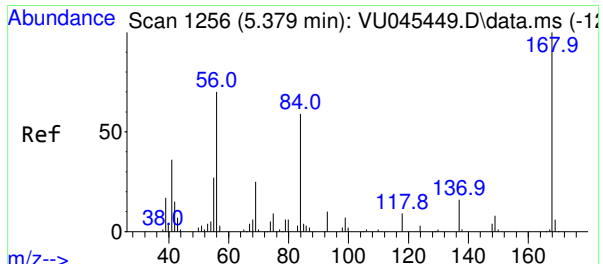
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	145137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	264567	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	264694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	135000	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	86784	36.73	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	73.46%#		
35) Dibromofluoromethane	5.295	113	78473	46.65	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.30%		
50) Toluene-d8	7.899	98	320701	48.62	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.24%		
62) 4-Bromofluorobenzene	10.636	95	121131	48.19	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.38%		
Target Compounds						
					Qvalue	
16) Acetone	2.649	43	12526	11.68	ug/l	90
20) Methylene Chloride	3.051	84	5955	2.79	ug/l #	84
25) 2-Butanone	4.719	43	1873	1.16	ug/l	93
29) Tetrahydrofuran	5.070	42	336	0.32	ug/l #	46
31) Cyclohexane	5.382	56	2128	0.60	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	9411	3.74	ug/l #	50
38) Carbon Tetrachloride	5.378	117	13074	5.95	ug/l #	15
43) Isopropyl Acetate	5.912	43	13110	2.85	ug/l #	89
45) 1,2-Dichloropropane	7.041	63	1206	0.60	ug/l #	43
48) Methyl methacrylate	6.899	41	4233	1.94	ug/l #	13
49) 1,4-Dioxane	7.041	88	20	0.36	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	3733	1.26	ug/l	94
54) cis-1,3-Dichloropropene	7.739	75	29521	9.46	ug/l #	53
56) Ethyl methacrylate	8.571	69	585	1.81	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	18112	5.42	ug/l #	42
59) 2-Hexanone	8.729	43	188303	81.81	ug/l #	51
70) Styrene	10.118	104	141	1.00	ug/l #	25
74) N-amyl acetate	10.237	43	458	1.25	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	54694	15.21	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	54694	42.89	ug/l #	12
86) p-Isopropyltoluene	11.803	119	120	0.20	ug/l #	1
89) n-Butylbenzene	12.214	91	215	0.96	ug/l #	33

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

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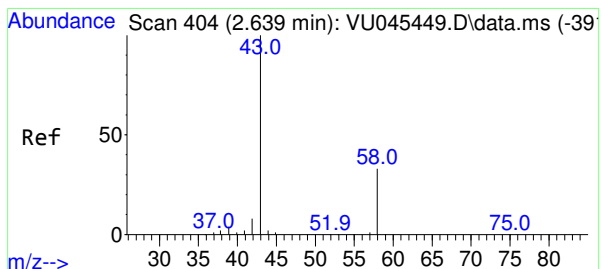
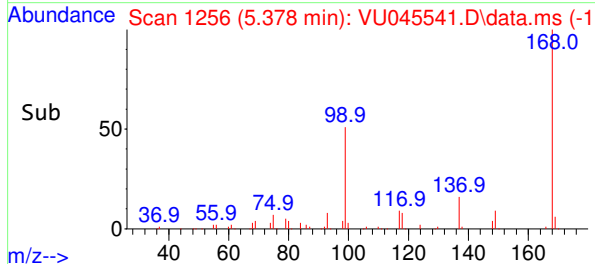
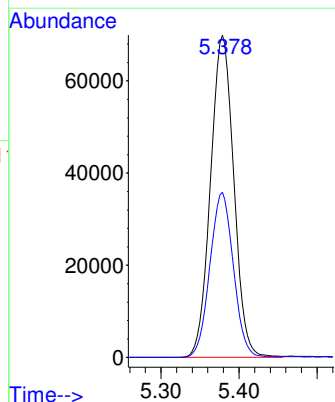
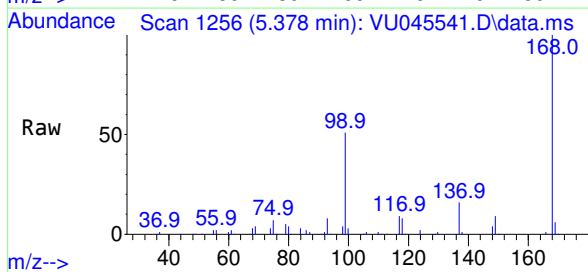




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

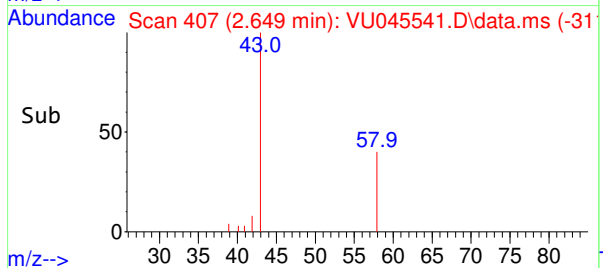
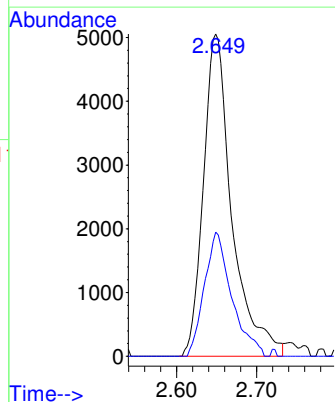
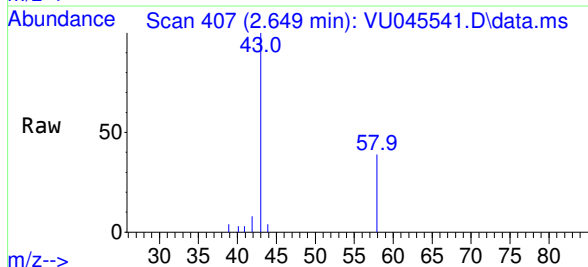
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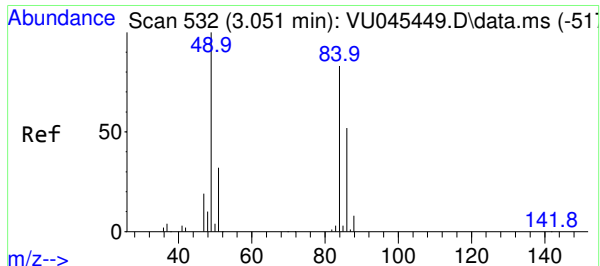
Tgt Ion:168 Resp: 145137
Ion Ratio Lower Upper
168 100
99 51.2 51.0 76.6



#16
Acetone
Concen: 11.68 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.010 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

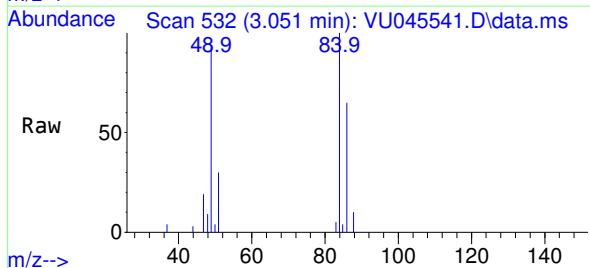
Tgt Ion: 43 Resp: 12526
Ion Ratio Lower Upper
43 100
58 38.6 26.2 39.2



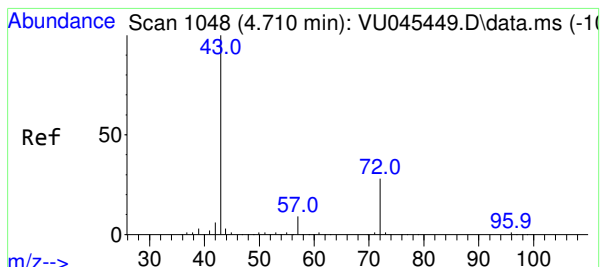
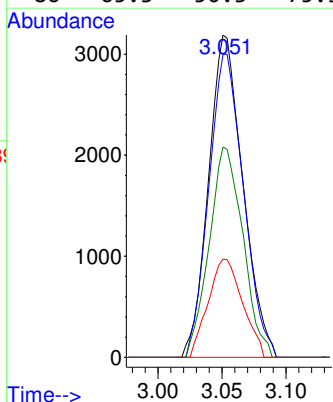
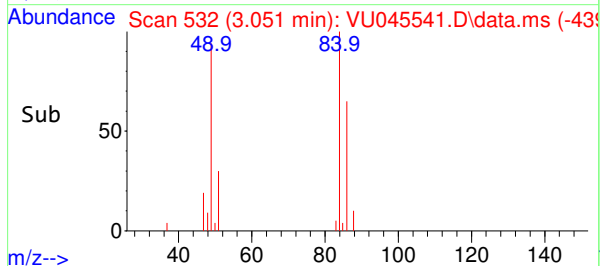


#20
Methylene Chloride
Concen: 2.79 ug/l
RT: 3.051 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Instrument :
MSVOA_U
ClientSampleId :

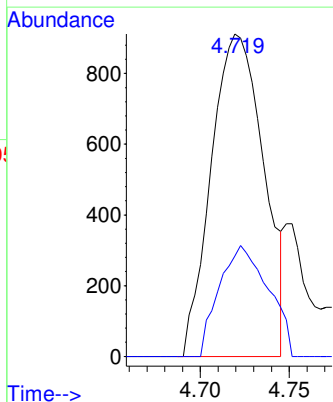
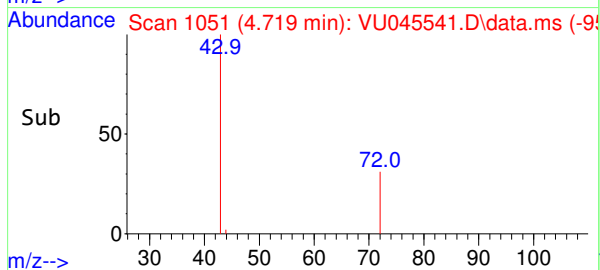
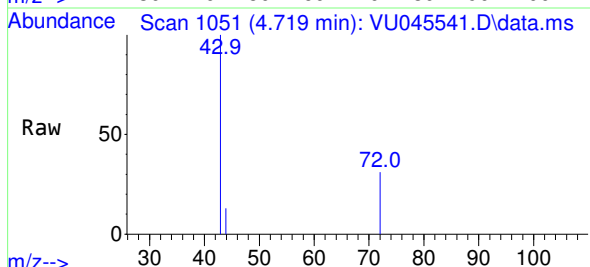


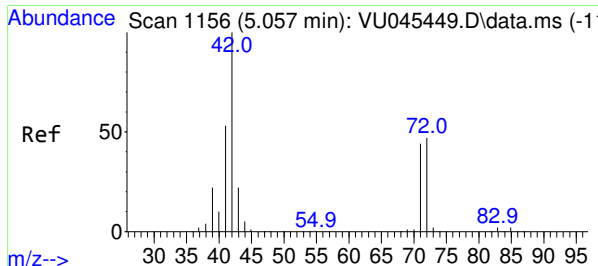
Tgt Ion:	84	Resp:	5955
Ion	Ratio	Lower	Upper
84	100		
49	94.0	96.4	144.6#
51	30.4	30.5	45.7#
86	65.3	50.3	75.5



#25
2-Butanone
Concen: 1.16 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion:	43	Resp:	1873
Ion	Ratio	Lower	Upper
43	100		
72	31.1	22.0	33.0

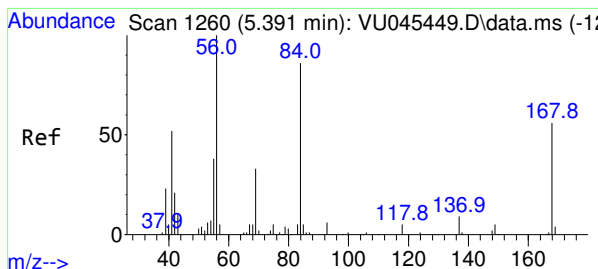
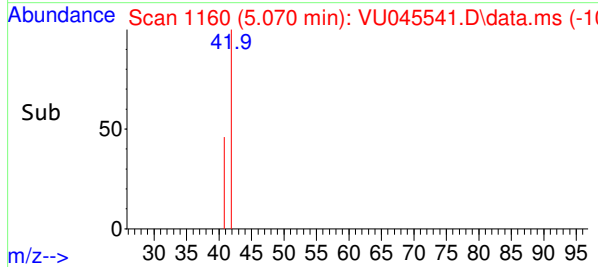
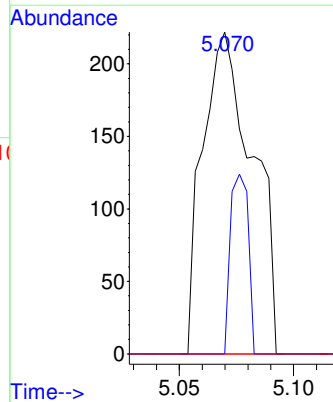
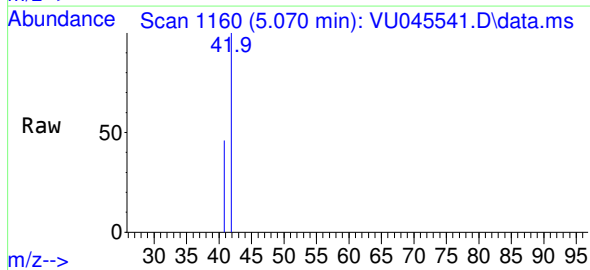




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.070 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

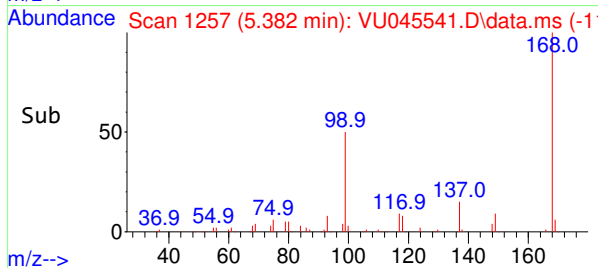
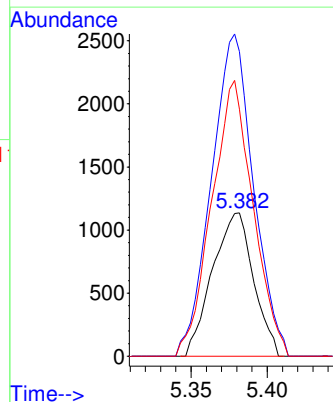
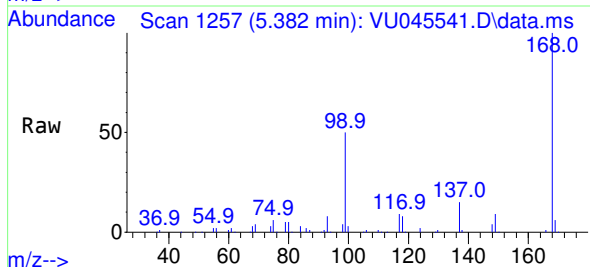
Instrument :
MSVOA_U
ClientSampleId :

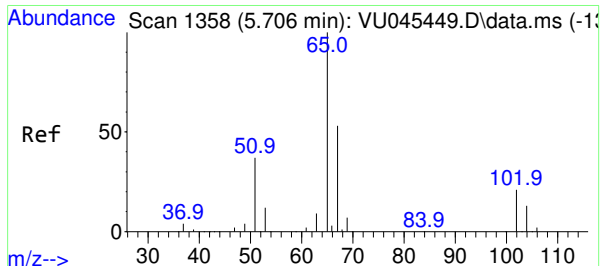
Tgt Ion:	42	Resp:	336
Ion	Ratio	Lower	Upper
42	100		
72	19.9	38.2	57.4#
71	0.0	35.4	53.2#



#31
Cyclohexane
Concen: 0.60 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion:	56	Resp:	2128
Ion	Ratio	Lower	Upper
56	100		
69	201.9	26.4	39.6#
84	162.9	68.4	102.6#

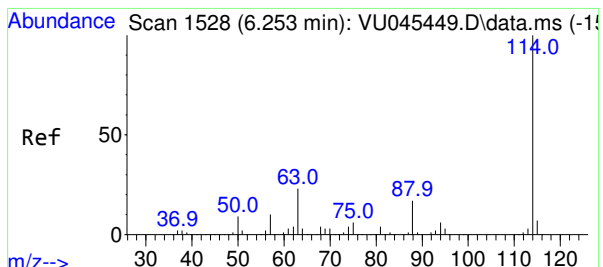
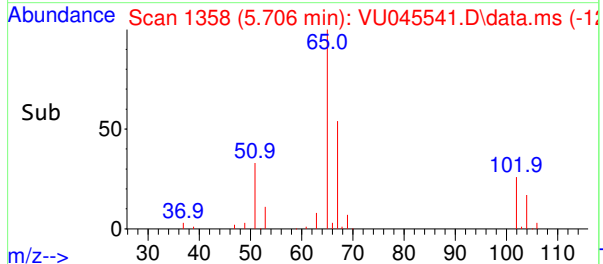
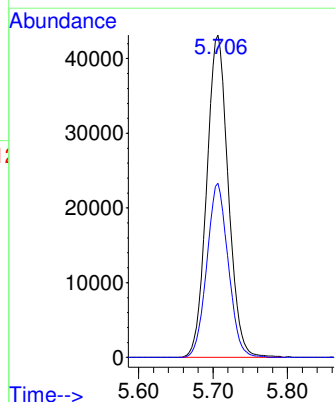
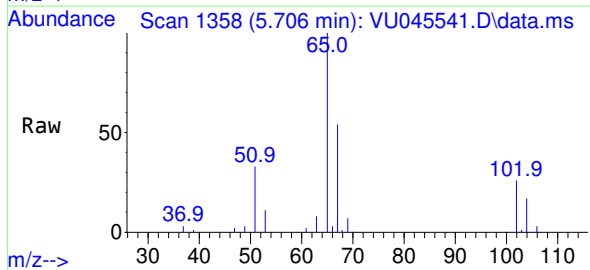




#33
1,2-Dichloroethane-d4
Concen: 36.73 ug/l
RT: 5.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

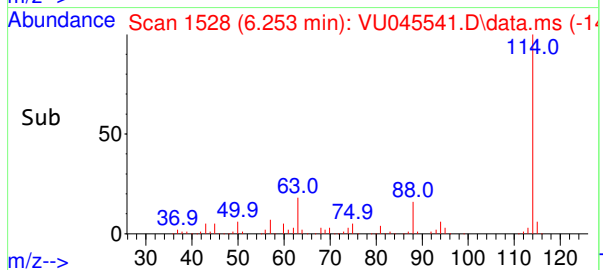
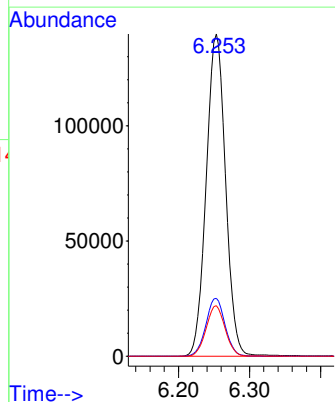
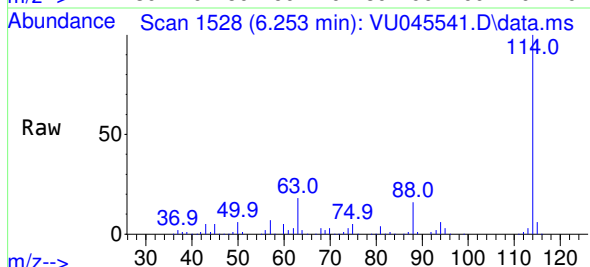
Instrument :
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ClientSampleId :

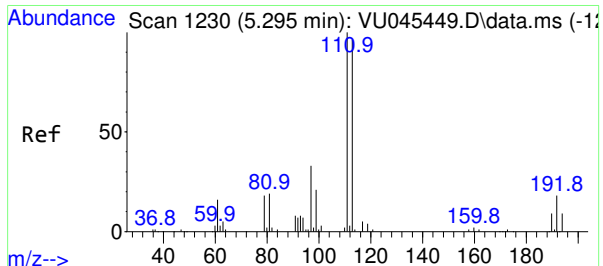
Tgt Ion: 65 Resp: 86784
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 114 Resp: 264567
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.6
88 15.7 0.0 33.8

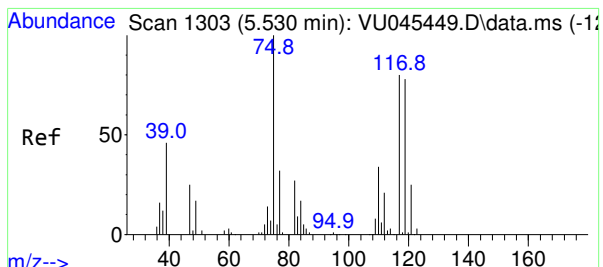
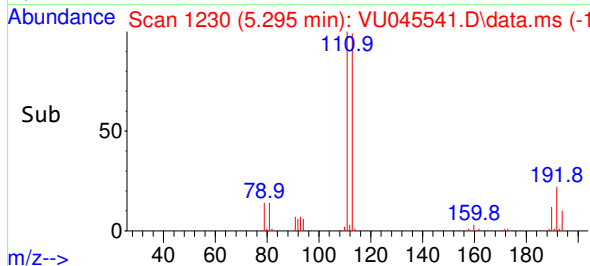
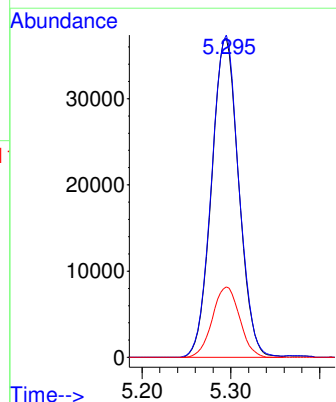
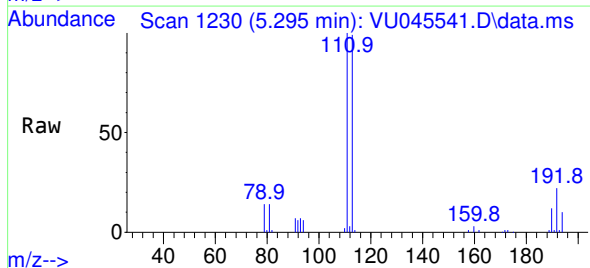




#35
Dibromofluoromethane
Concen: 46.65 ug/l
RT: 5.295 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

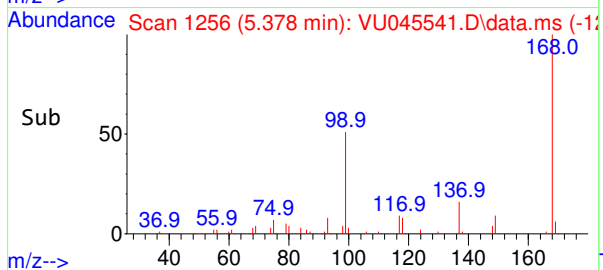
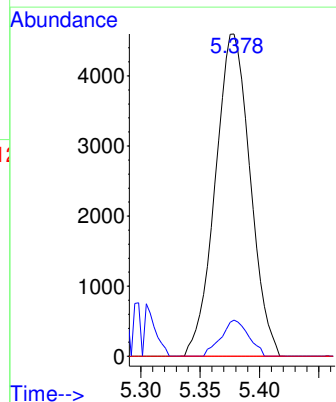
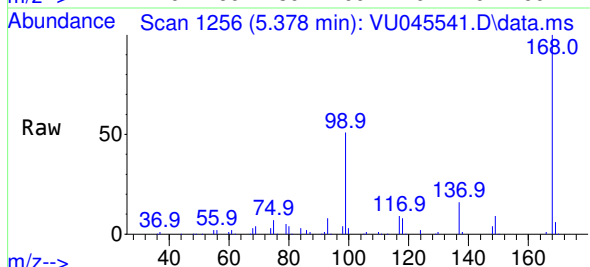
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MSVOA_U
ClientSampleId :

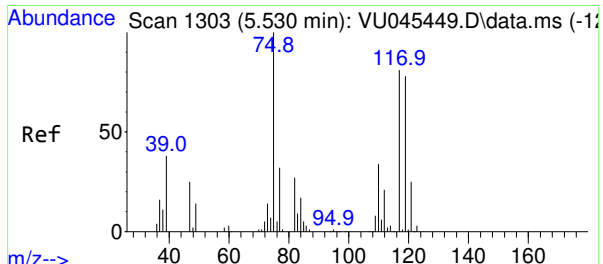
Tgt Ion: 113 Resp: 78473
Ion Ratio Lower Upper
113 100
111 101.4 82.8 124.2
192 22.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.74 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 75 Resp: 9411
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.0#
77 0.0 25.0 37.4#

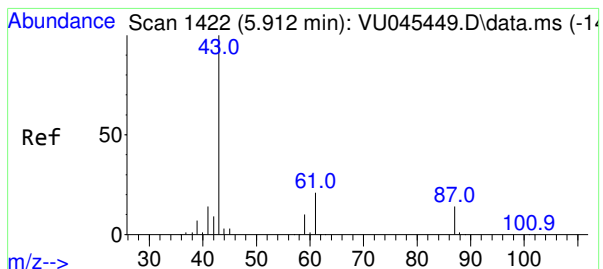
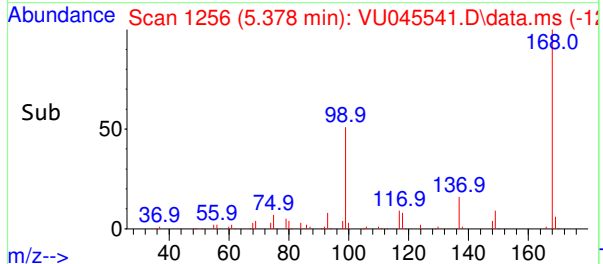
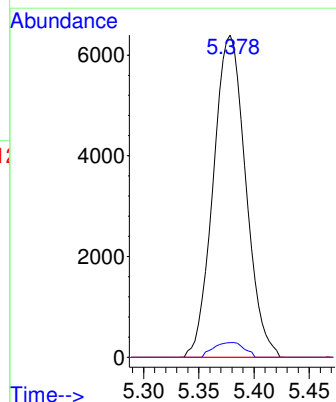
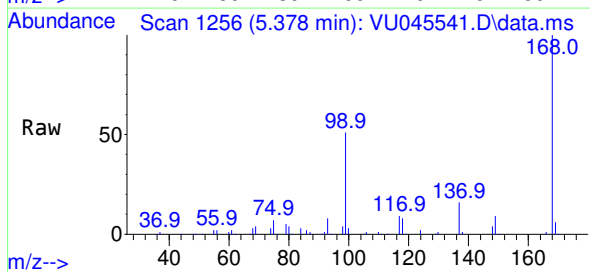




#38
Carbon Tetrachloride
Concen: 5.95 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.151 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

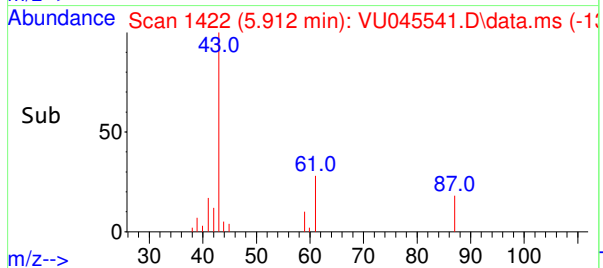
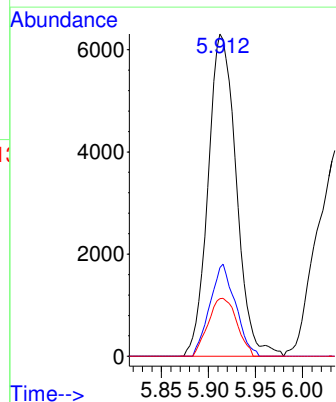
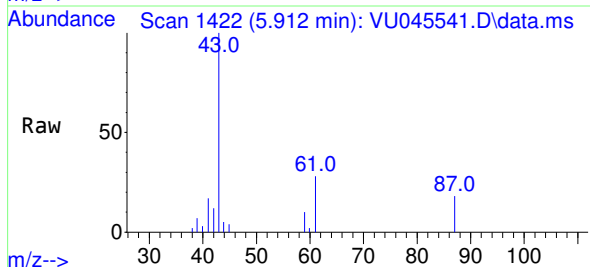
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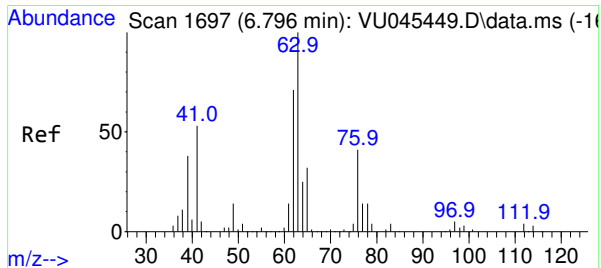
Tgt Ion: 117 Resp: 13074
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.85 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 43 Resp: 13110
Ion Ratio Lower Upper
43 100
61 26.1 16.9 25.3#
87 18.3 11.0 16.4#

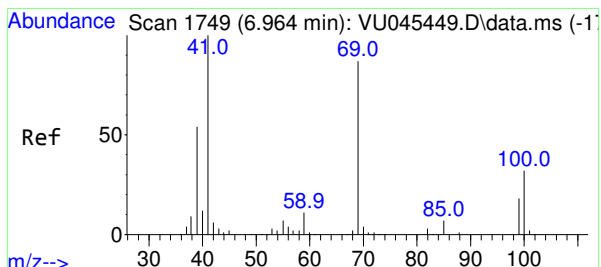
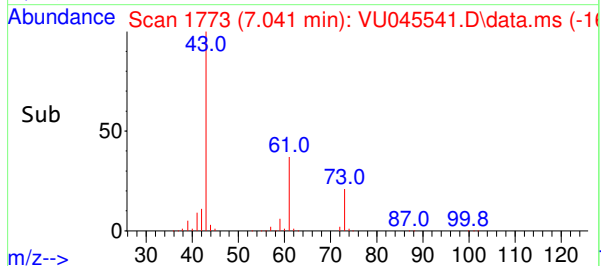
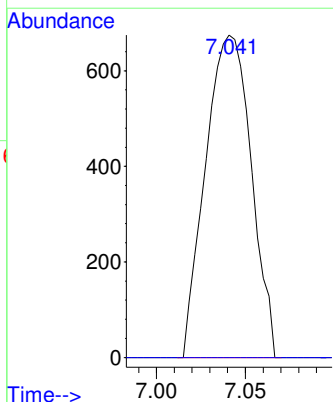
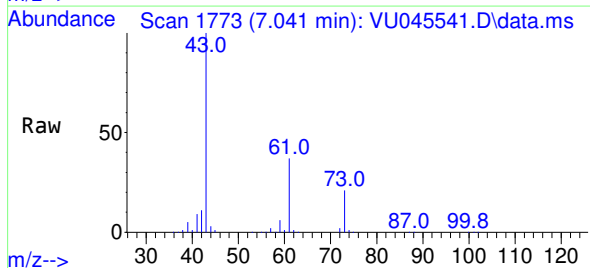




#45
1,2-Dichloropropane
Concen: 0.60 ug/l
RT: 7.041 min Scan# 1
Delta R.T. 0.244 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

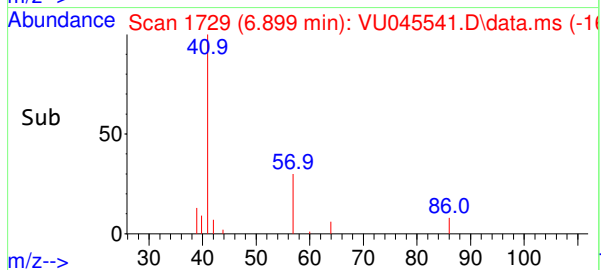
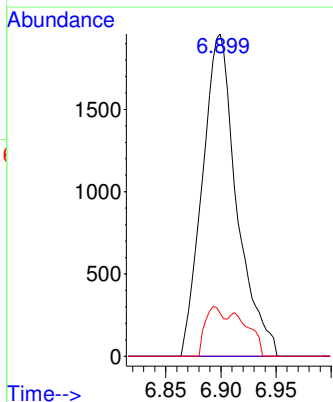
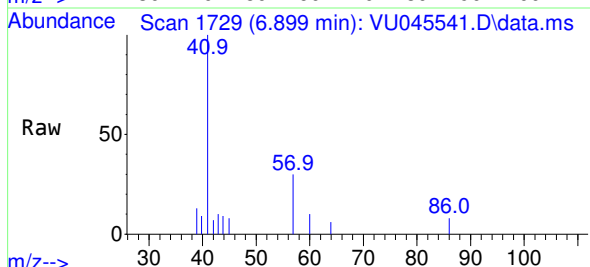
Instrument :
MSVOA_U
ClientSampleId :

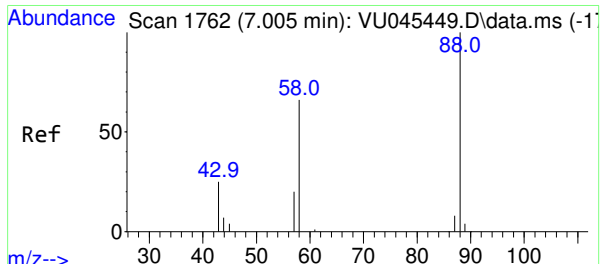
Tgt Ion: 63 Resp: 1206
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 1.94 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.064 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 41 Resp: 4233
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#

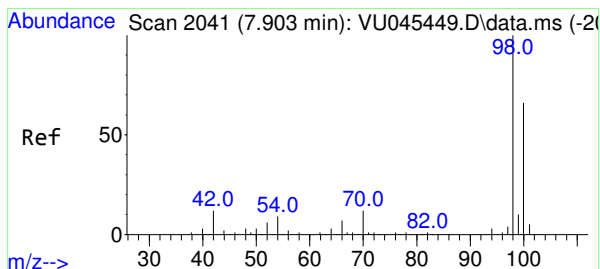
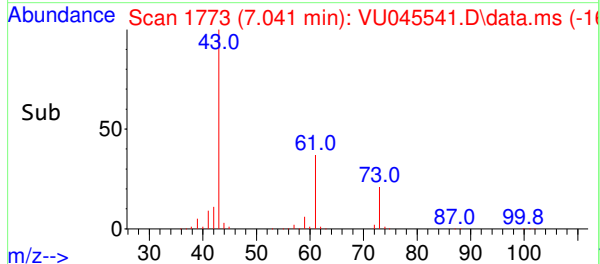
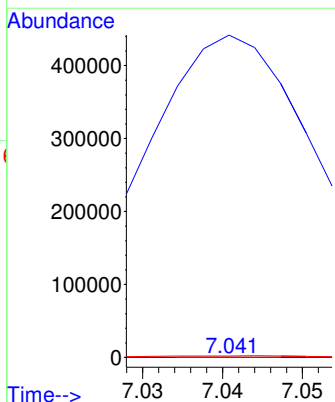
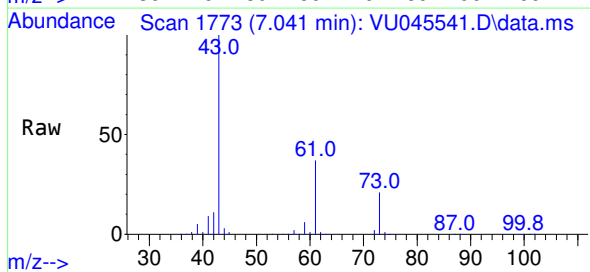




#49
1,4-Dioxane
Concen: 0.36 ug/l
RT: 7.041 min Scan# 1
Delta R.T. 0.035 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

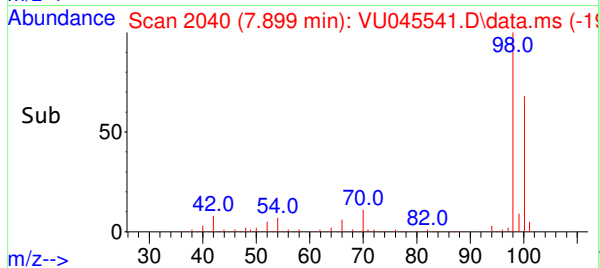
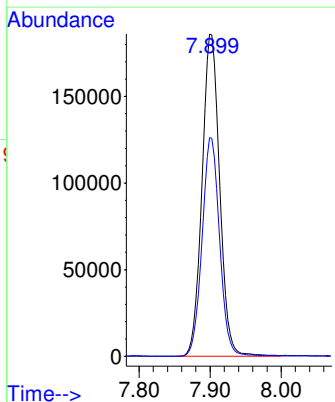
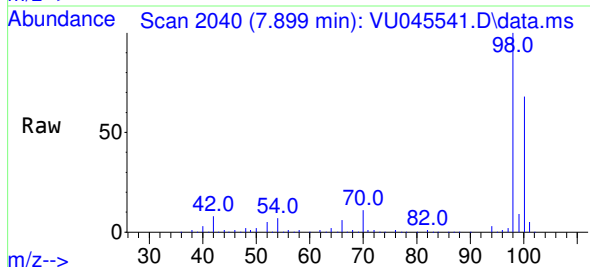
Instrument :
MSVOA_U
ClientSampleId :

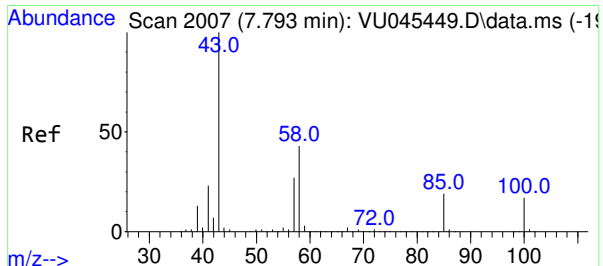
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 3802790.0 0.0 0.0#
58 18475.0 58.7 88.1#



#50
Toluene-d8
Concen: 48.62 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 98 Resp: 320701
Ion Ratio Lower Upper
98 100
100 67.2 52.5 78.7

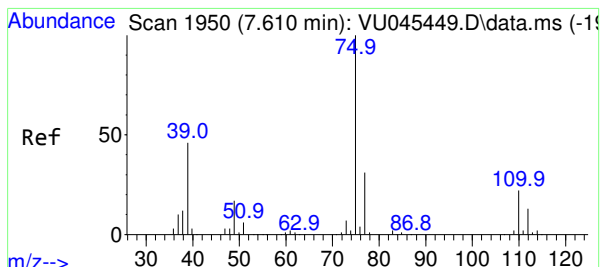
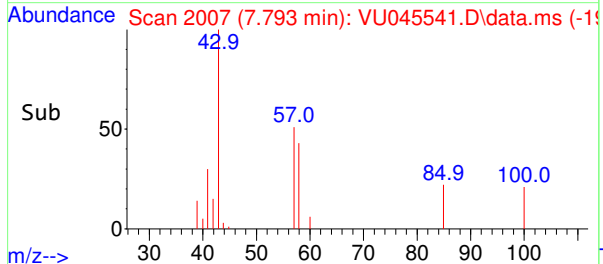
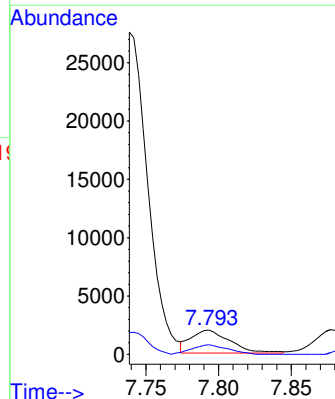
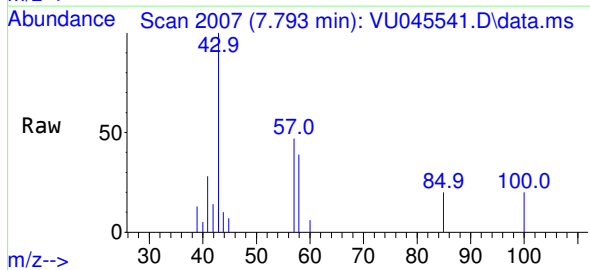




#51
4-Methyl-2-Pentanone
Concen: 1.26 ug/l
RT: 7.793 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

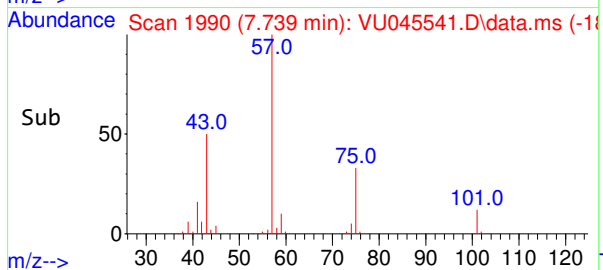
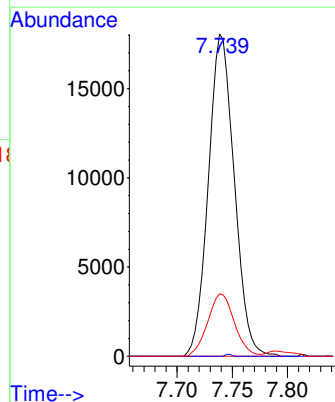
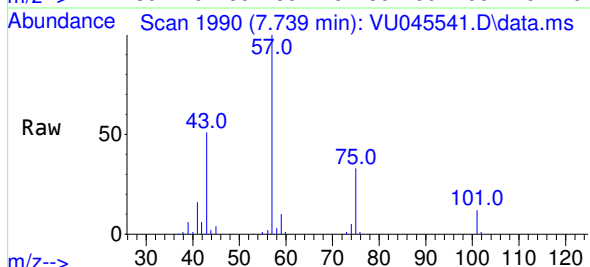
Instrument :
MSVOA_U
ClientSampleId :

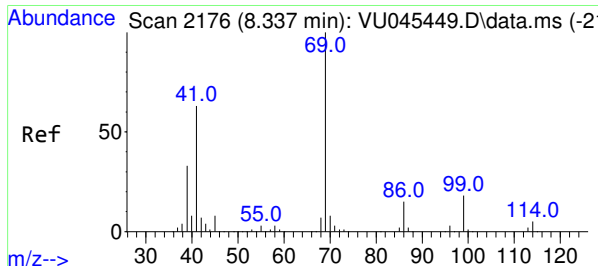
Tgt Ion: 43 Resp: 3733
Ion Ratio Lower Upper
43 100
58 38.3 33.8 50.8



#54
cis-1,3-Dichloropropene
Concen: 9.46 ug/l
RT: 7.739 min Scan# 1990
Delta R.T. 0.129 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 75 Resp: 29521
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 19.3 37.1 55.7#

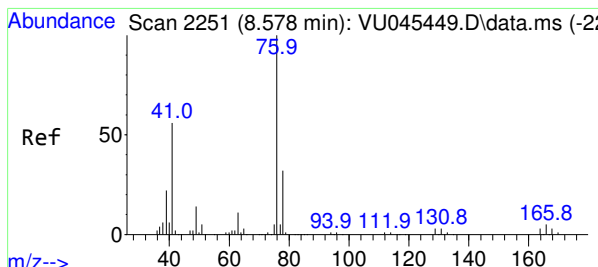
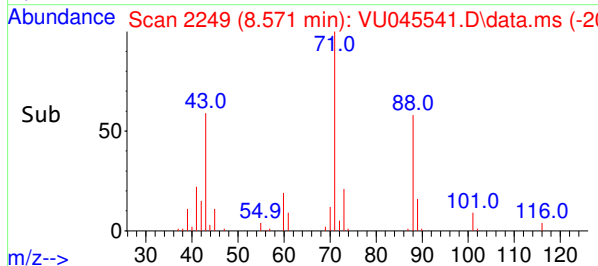
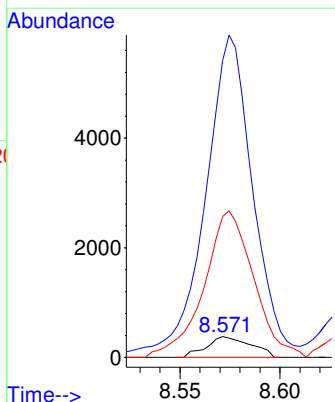
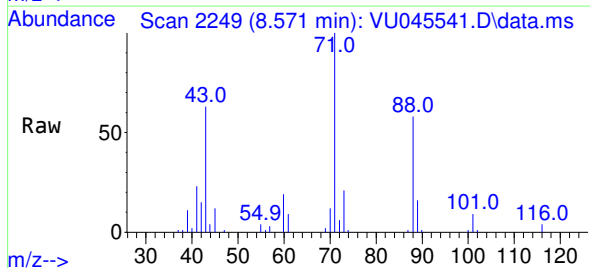




#56
Ethyl methacrylate
Concen: 1.81 ug/l
RT: 8.571 min Scan# 2176
Delta R.T. 0.234 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

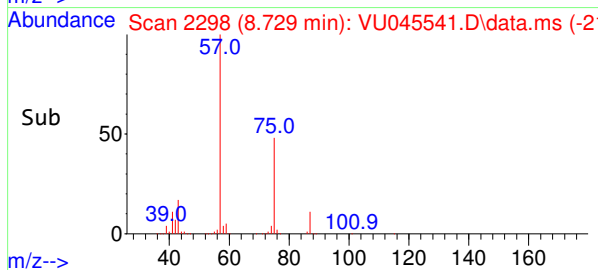
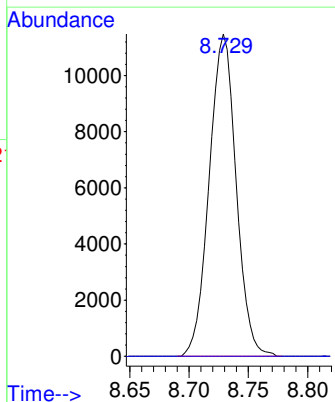
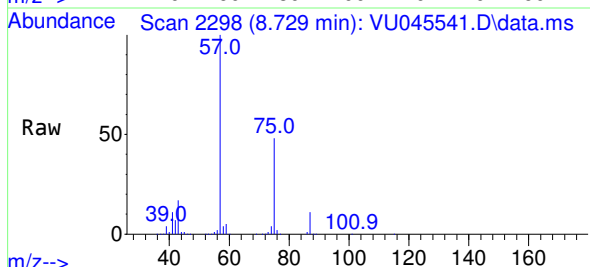
Instrument :
MSVOA_U
ClientSampleId :

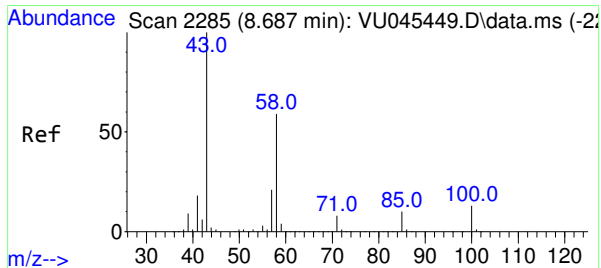
Tgt Ion: 69 Resp: 585
Ion Ratio Lower Upper
69 100
41 1668.5 51.0 76.4#
39 788.7 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.42 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 76 Resp: 18112
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

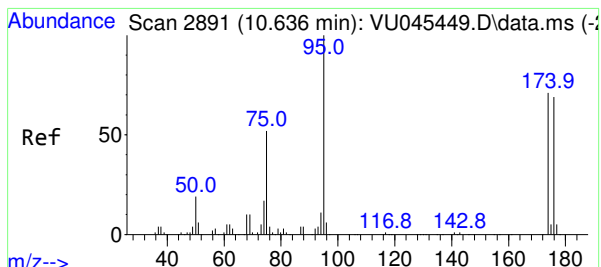
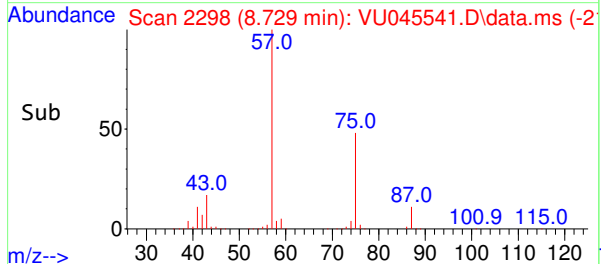
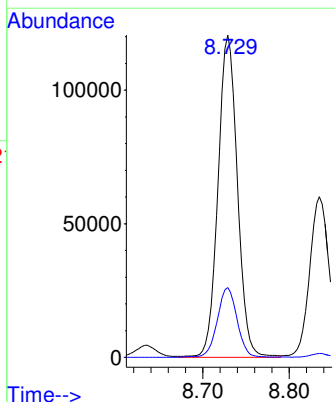
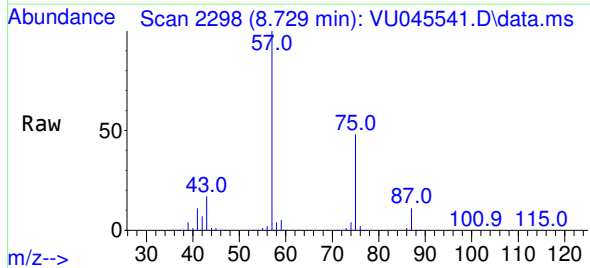




#59
2-Hexanone
Concen: 81.81 ug/l
RT: 8.729 min Scan# 2188
Delta R.T. 0.042 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

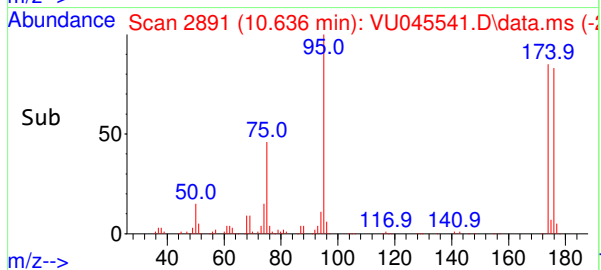
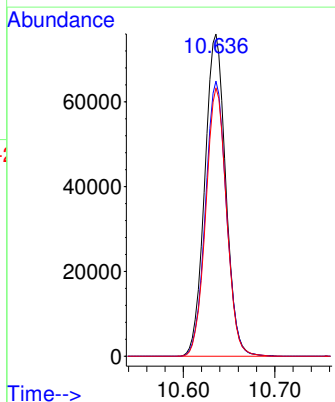
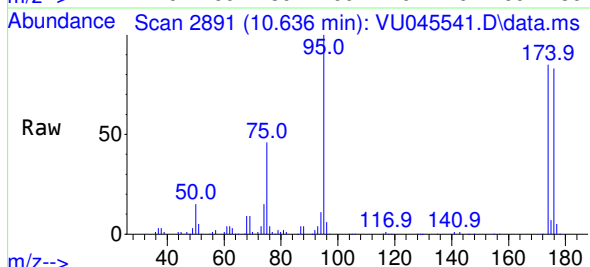
Instrument :
MSVOA_U
ClientSampleId :

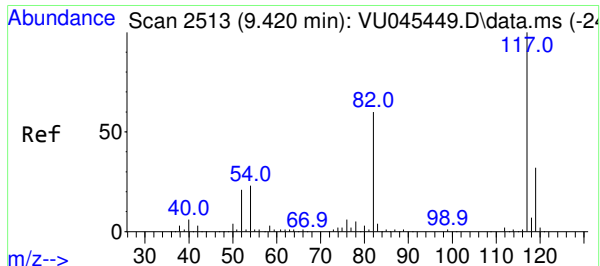
Tgt Ion: 43 Resp: 188303
Ion Ratio Lower Upper
43 100
58 22.2 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 48.19 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 95 Resp: 121131
Ion Ratio Lower Upper
95 100
174 85.2 0.0 141.8
176 82.4 0.0 138.2

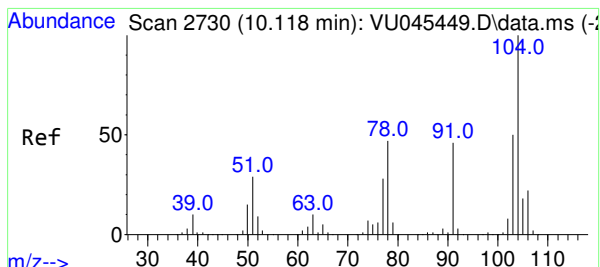
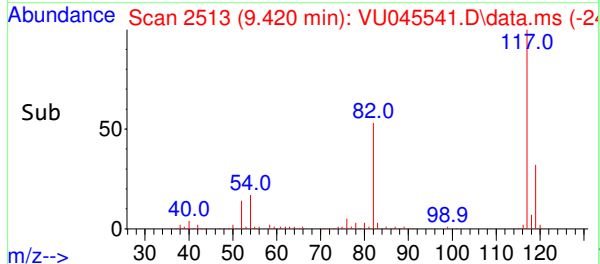
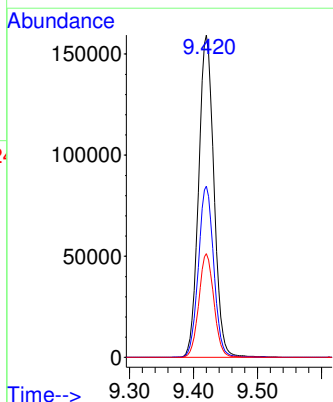
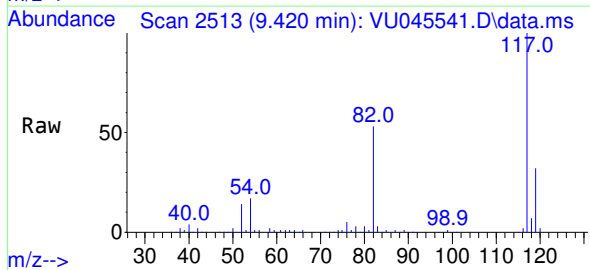




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

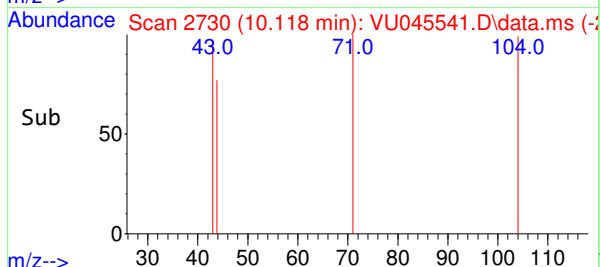
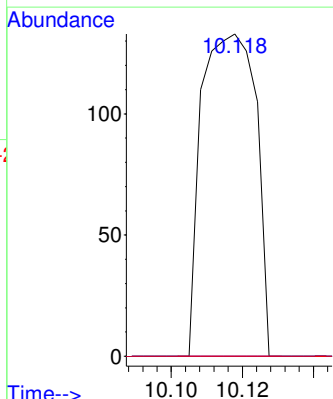
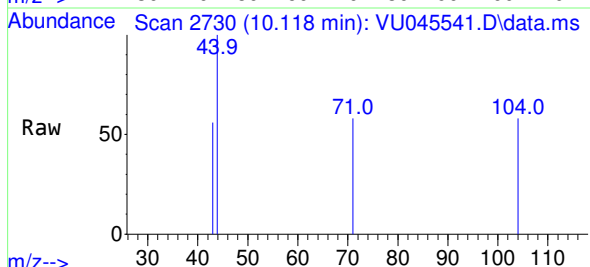
Instrument :
MSVOA_U
ClientSampleId :

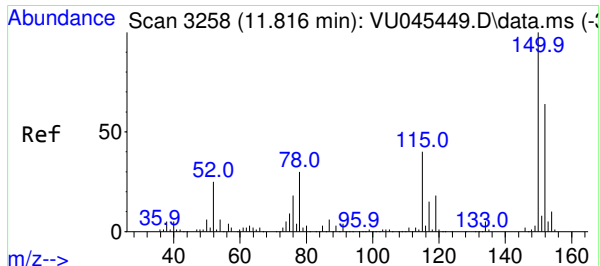
Tgt Ion:117 Resp: 264694
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.8
119 32.2 25.8 38.8



#70
Styrene
Concen: 1.00 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

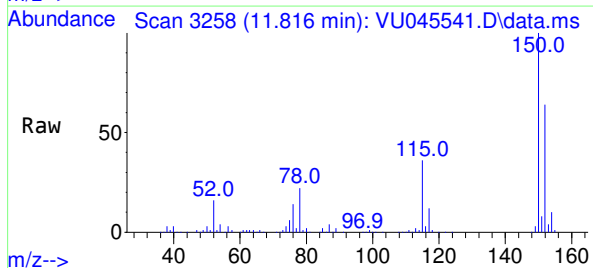
Tgt Ion:104 Resp: 141
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.6#
103 0.0 43.8 65.6#



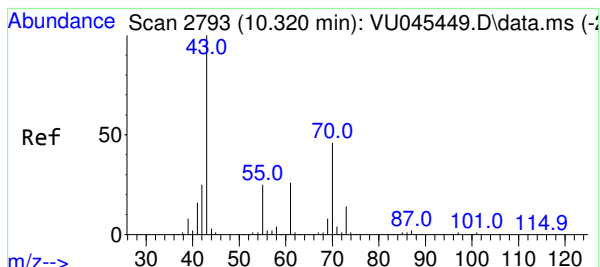
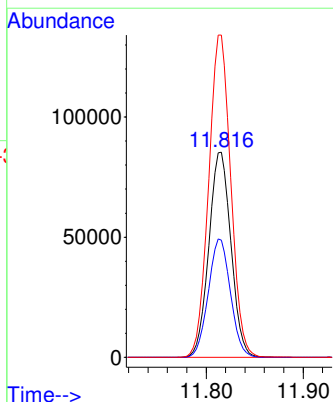
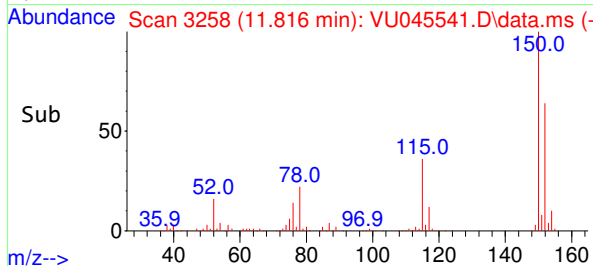


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.816 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Instrument :
MSVOA_U
ClientSampleId :

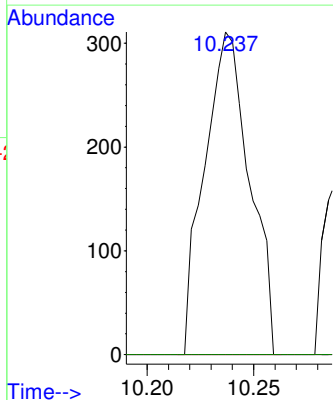
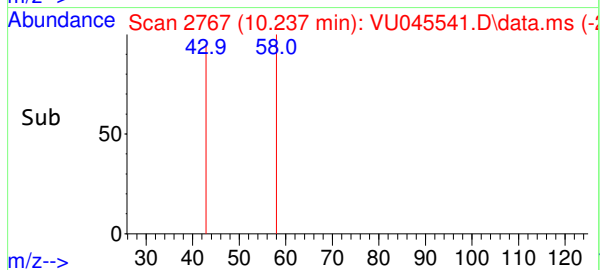
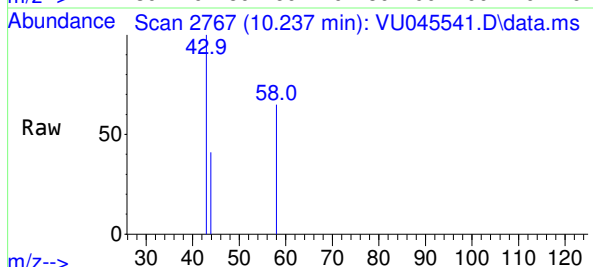


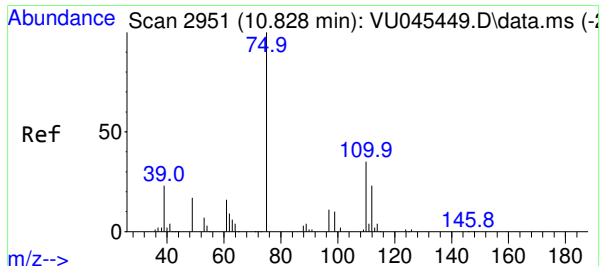
Tgt Ion:152 Resp: 135000
Ion Ratio Lower Upper
152 100
115 57.9 42.7 128.1
150 157.0 0.0 346.8



#74
N-ethyl acetate
Concen: 1.25 ug/l
RT: 10.237 min Scan# 2767
Delta R.T. -0.083 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
70 0.0 36.9 55.3#
55 0.0 20.6 31.0#
61 0.0 20.5 30.7#

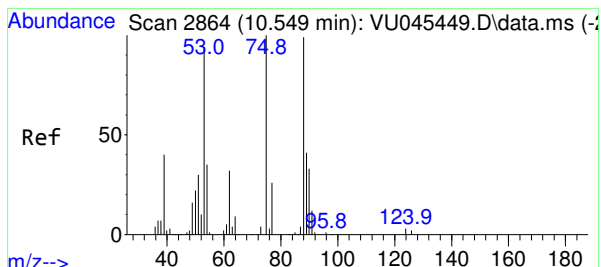
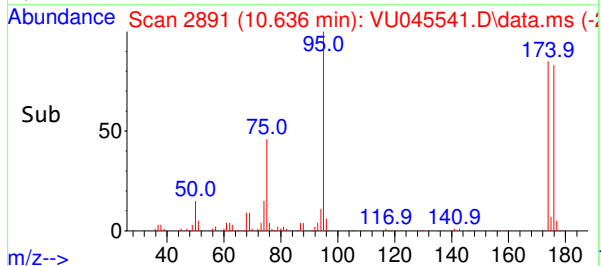
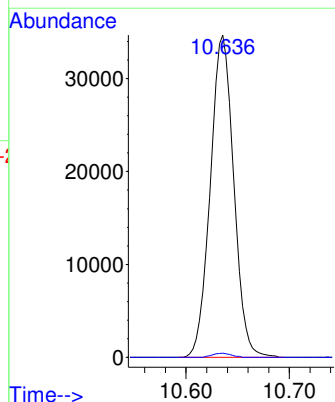
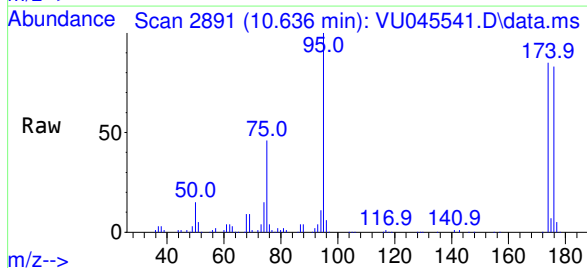




#76
1,2,3-Trichloropropane
Concen: 15.21 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

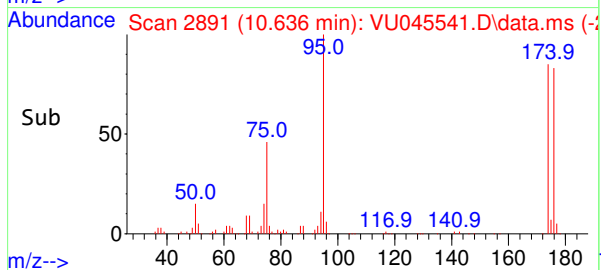
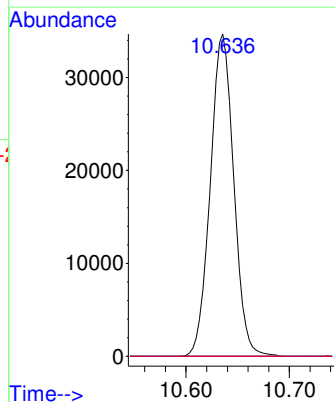
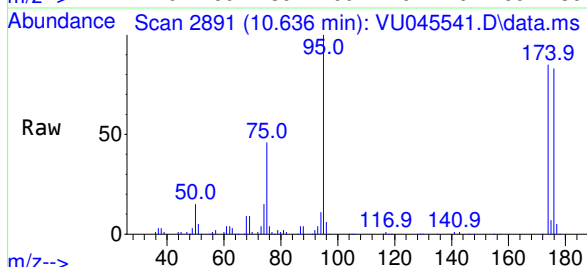
Instrument :
MSVOA_U
ClientSampleId :

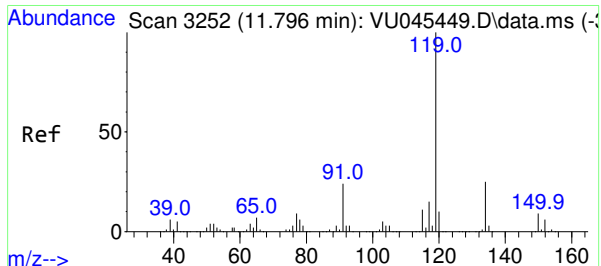
Tgt Ion: 75 Resp: 54694
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 42.89 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 75 Resp: 54694
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

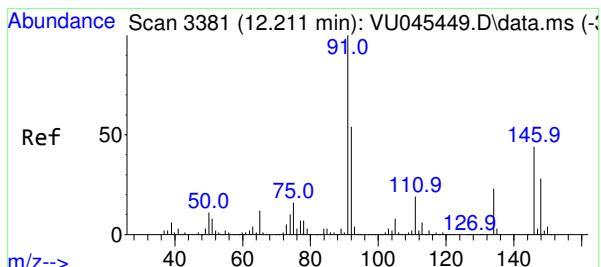
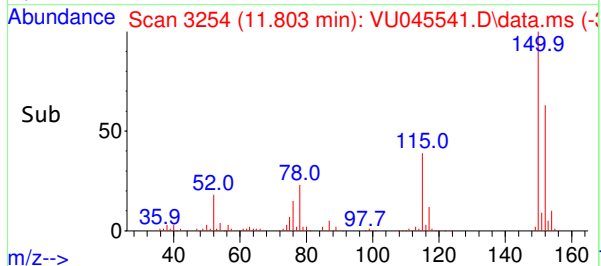
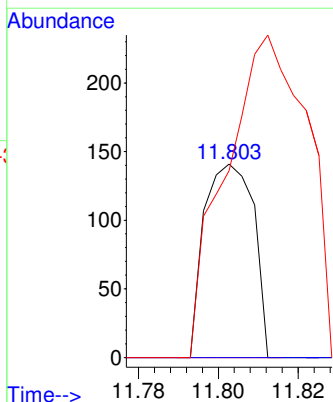
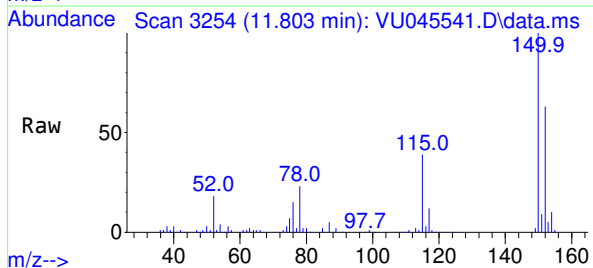




#86
p-Isopropyltoluene
Concen: 0.20 ug/l
RT: 11.803 min Scan# 3
Delta R.T. 0.007 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 119 Resp: 120
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.1#
91 275.8 12.2 36.4#



#89
n-Butylbenzene
Concen: 0.96 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045541.D
Acq: 03 Nov 2021 23:36

Tgt Ion: 91 Resp: 215
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 11.8 35.4#

