

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045546.D
 Acq On : 04 Nov 2021 01:31
 Operator : SY/MD
 Sample : M4472-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:58:26 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)

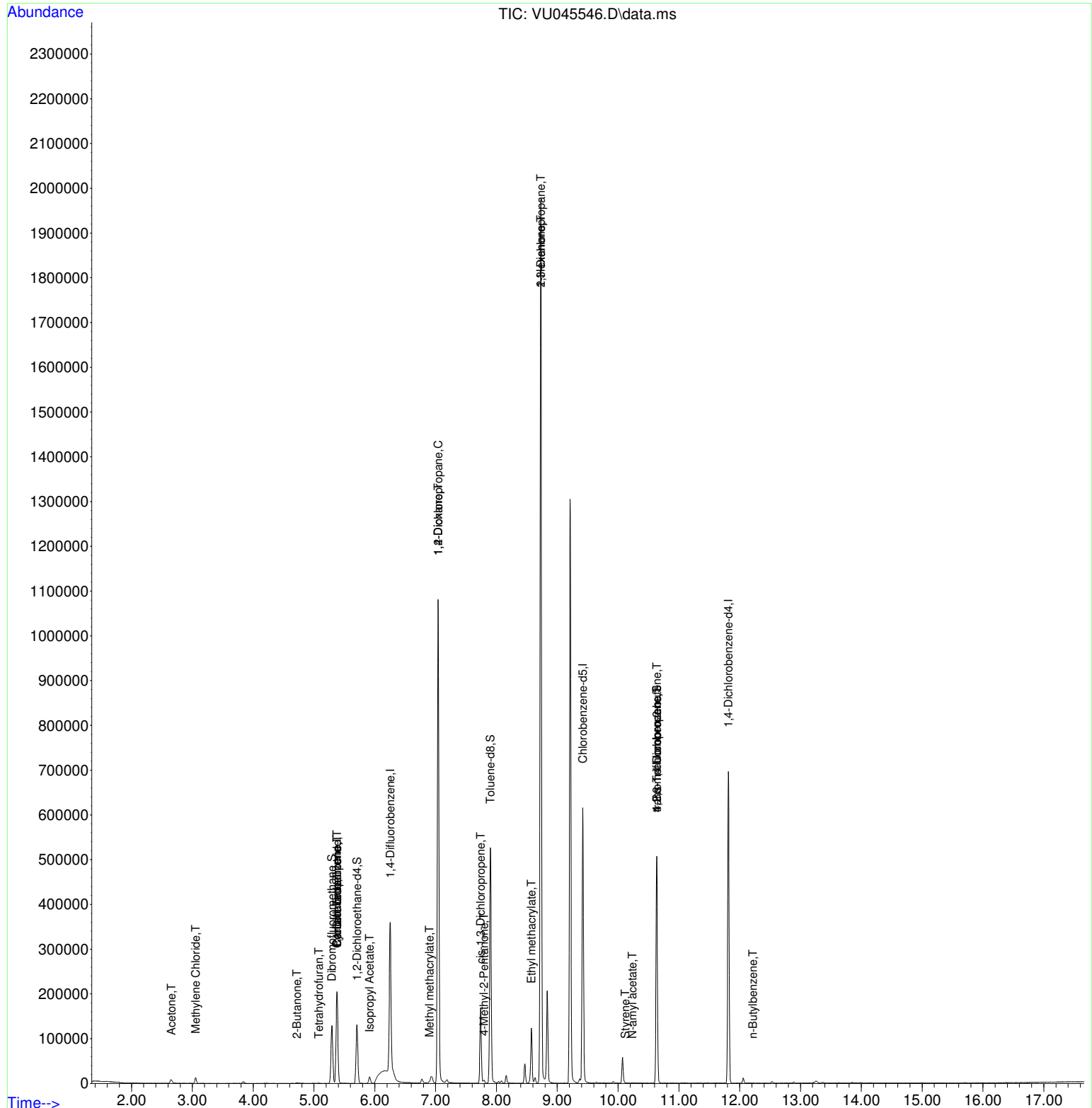
Internal Standards						
1) Pentafluorobenzene	5.379	168	153134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	291496	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	340642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	174695	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	95799	38.43	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	76.86%#		
35) Dibromofluoromethane	5.292	113	85606	46.19	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.38%		
50) Toluene-d8	7.900	98	361797	49.78	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.56%		
62) 4-Bromofluorobenzene	10.636	95	180607	65.21	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	130.42%#		
Target Compounds						
						Qvalue
16) Acetone	2.652	43	14013	12.38	ug/l	95
20) Methylene Chloride	3.051	84	7129	3.16	ug/l	87
25) 2-Butanone	4.716	43	1301	0.76	ug/l	96
29) Tetrahydrofuran	5.077	42	510	0.46	ug/l #	53
31) Cyclohexane	5.376	56	2464	0.66	ug/l #	1
36) 1,1-Dichloropropene	5.376	75	10458	3.77	ug/l #	50
38) Carbon Tetrachloride	5.379	117	13698	5.66	ug/l #	18
43) Isopropyl Acetate	5.913	43	15563	3.07	ug/l #	93
45) 1,2-Dichloropropane	7.041	63	1473	0.67	ug/l #	43
48) Methyl methacrylate	6.896	41	5225	2.18	ug/l #	13
49) 1,4-Dioxane	7.041	88	193	3.16	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	4301	1.31	ug/l	92
54) cis-1,3-Dichloropropene	7.739	75	34338	9.99	ug/l #	55
56) Ethyl methacrylate	8.575	69	731	1.83	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	21811	5.92	ug/l #	42
59) 2-Hexanone	8.729	43	238534	94.05	ug/l #	50
70) Styrene	10.115	104	198	1.00	ug/l #	25
74) N-amyl acetate	10.234	43	1279	1.36	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	89064	19.13	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	89064	53.27	ug/l #	12
89) n-Butylbenzene	12.215	91	200	0.96	ug/l #	54

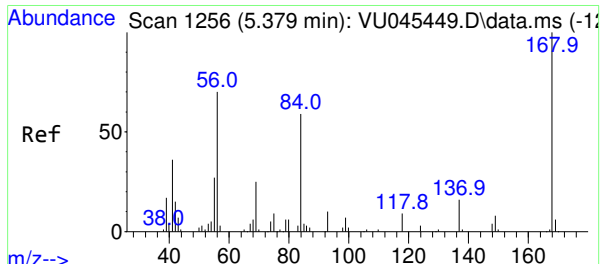
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_U
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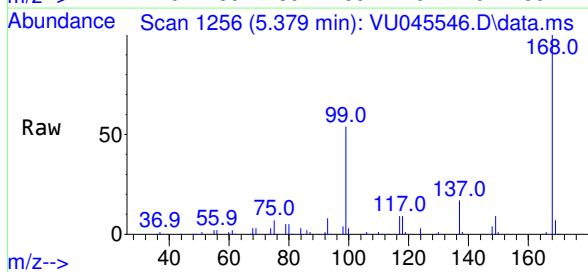
Quant Time: Nov 05 13:58:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
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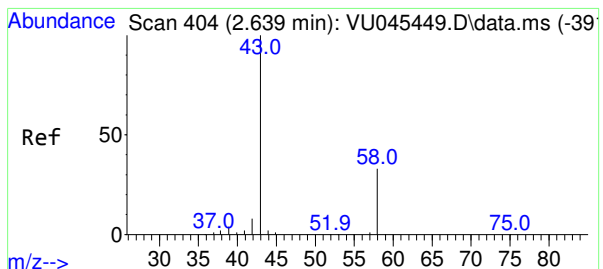
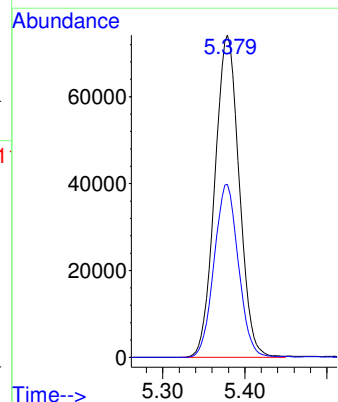
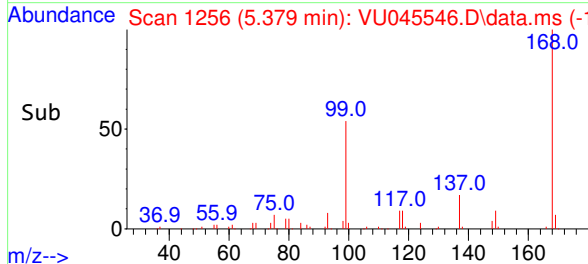


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

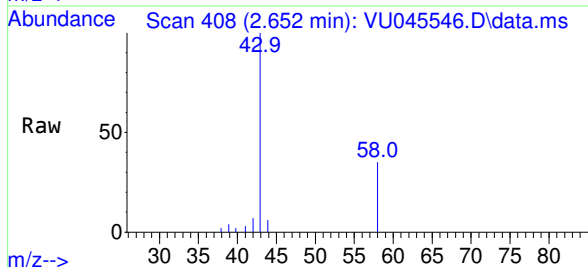
Instrument :
MSVOA_U
ClientSampleId :



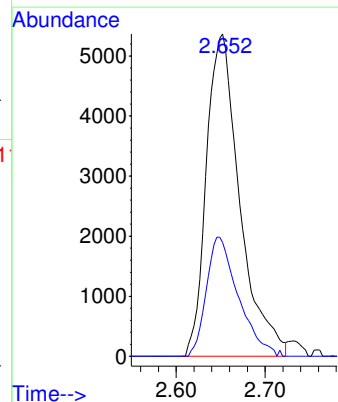
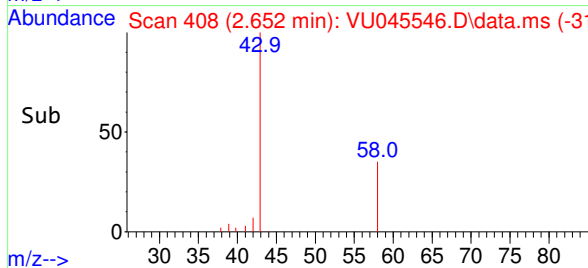
Tgt Ion:168 Resp: 153134
Ion Ratio Lower Upper
168 100
99 53.7 51.0 76.6

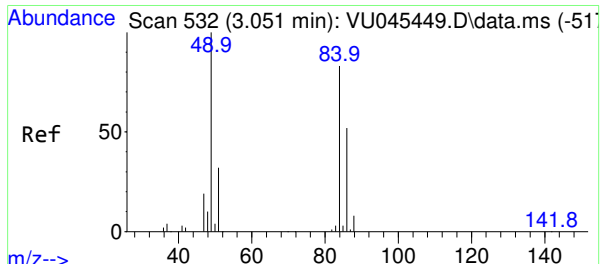


#16
Acetone
Concen: 12.38 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.013 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31



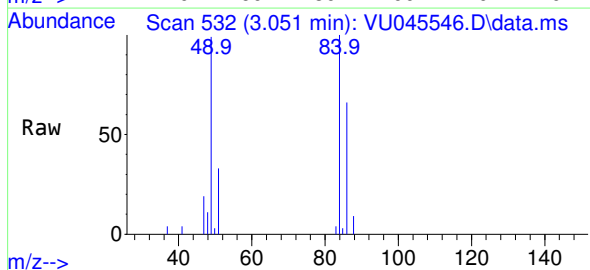
Tgt Ion: 43 Resp: 14013
Ion Ratio Lower Upper
43 100
58 35.3 26.2 39.2





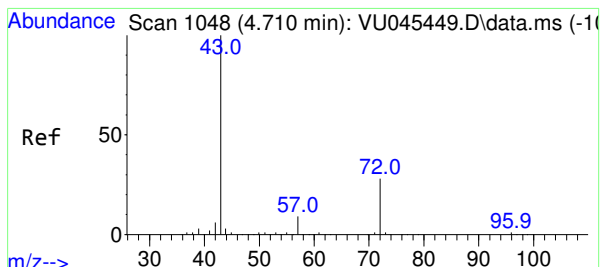
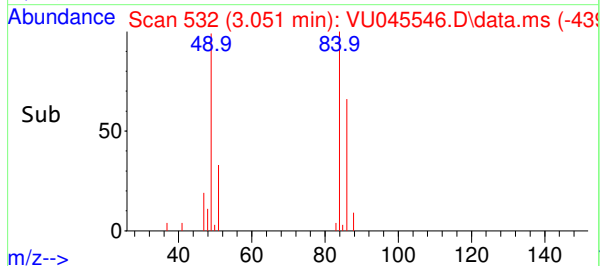
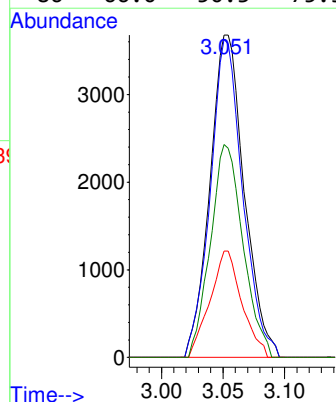
#20
Methylene Chloride
Concen: 3.16 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 7129

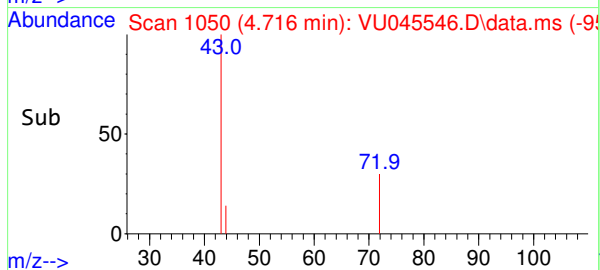
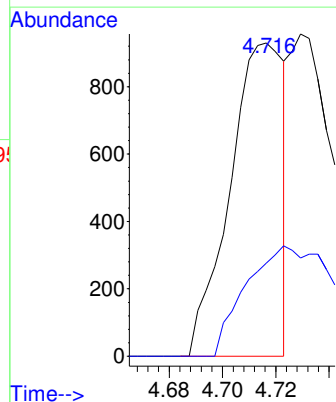
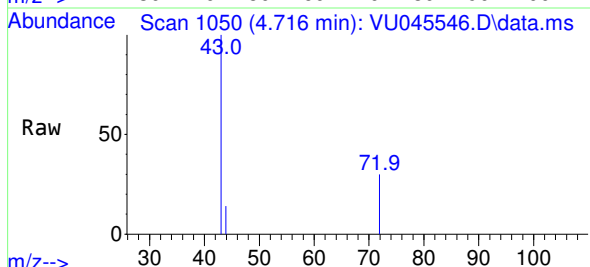
Ion	Ratio	Lower	Upper
84	100		
49	98.6	96.4	144.6
51	32.9	30.5	45.7
86	66.0	50.3	75.5

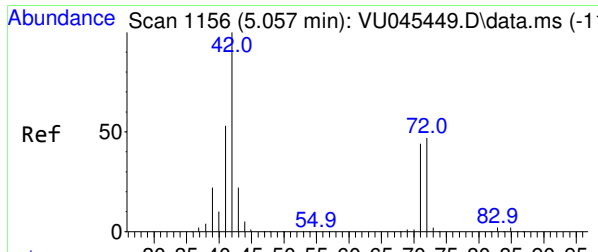


#25
2-Butanone
Concen: 0.76 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.007 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 43 Resp: 1301

Ion	Ratio	Lower	Upper
43	100		
72	29.7	22.0	33.0

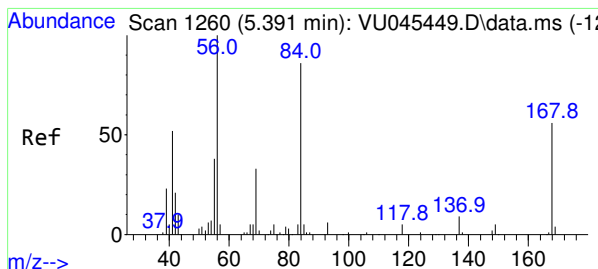
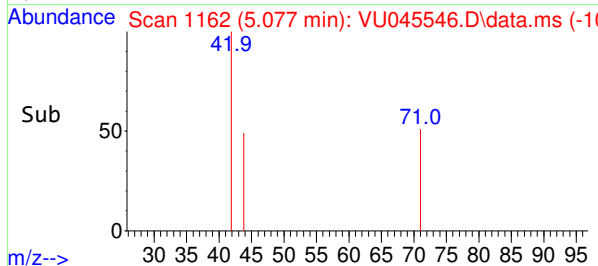
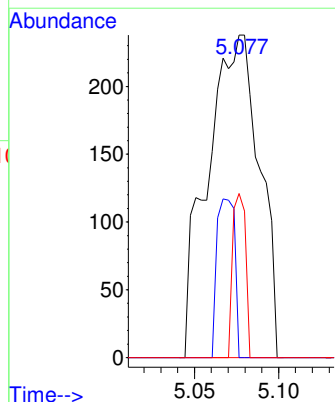
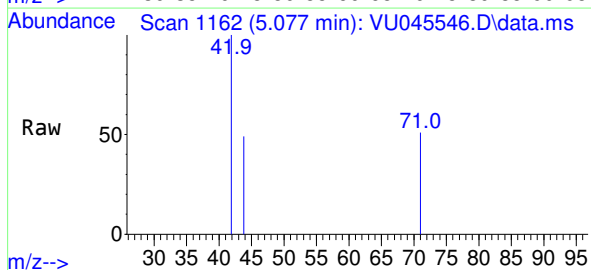




#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 5.077 min Scan# 1
Delta R.T. 0.020 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

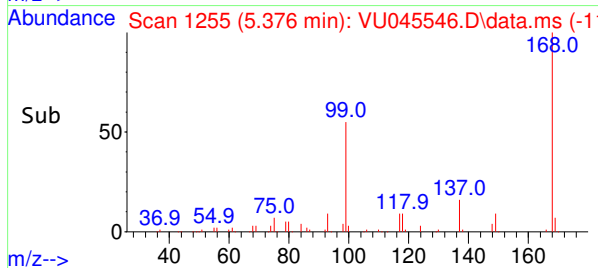
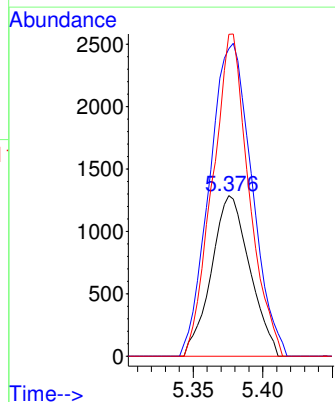
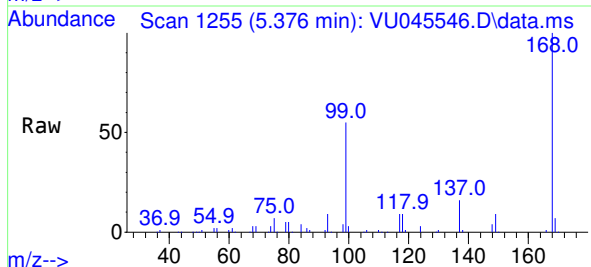
Instrument :
MSVOA_U
ClientSampleId :

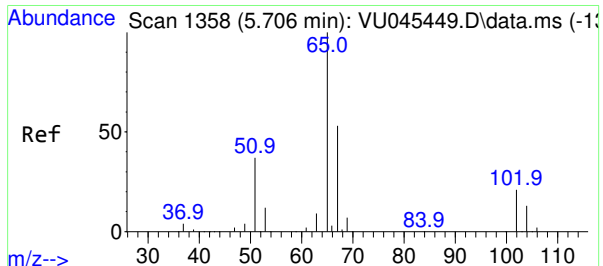
Tgt Ion: 42 Resp: 510
Ion Ratio Lower Upper
42 100
72 16.9 38.2 57.4#
71 12.7 35.4 53.2#



#31
Cyclohexane
Concen: 0.66 ug/l
RT: 5.376 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 56 Resp: 2464
Ion Ratio Lower Upper
56 100
69 191.6 26.4 39.6#
84 200.4 68.4 102.6#

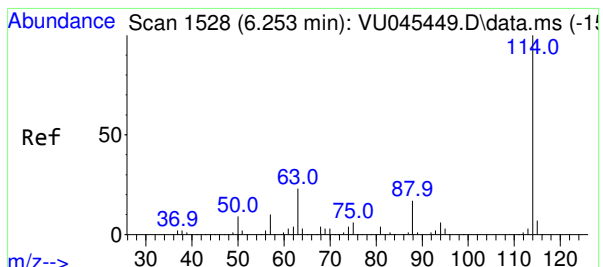
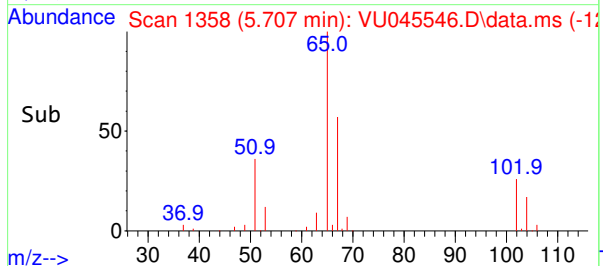
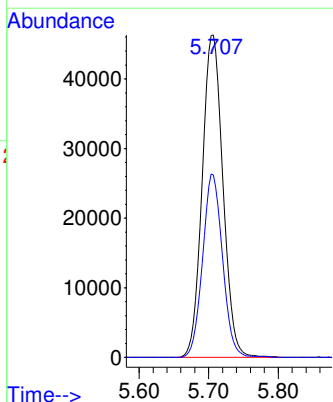
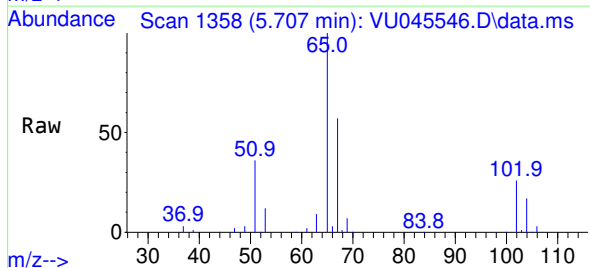




#33
1,2-Dichloroethane-d4
Concen: 38.43 ug/l
RT: 5.707 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

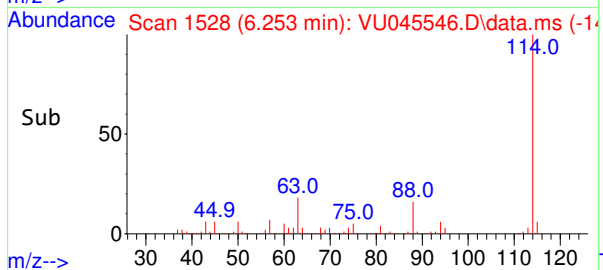
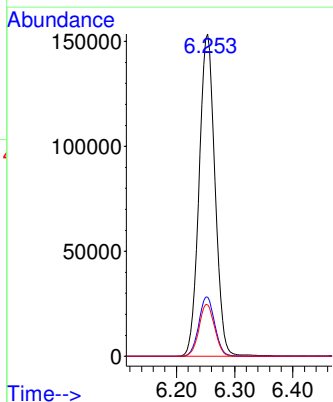
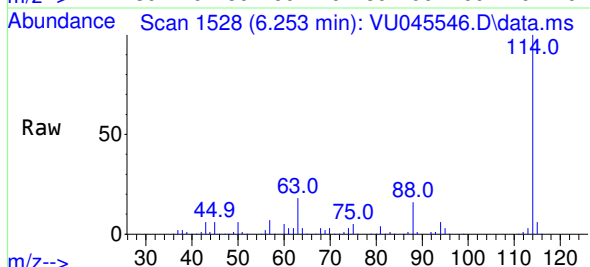
Instrument :
MSVOA_U
ClientSampleId :

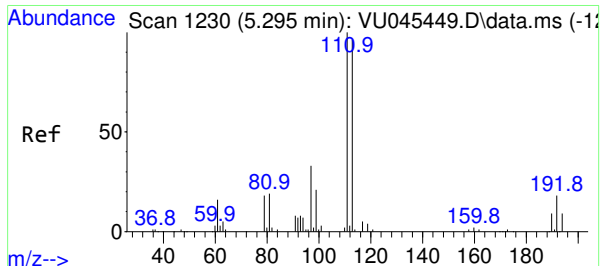
Tgt Ion: 65 Resp: 95799
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 114 Resp: 291496
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.6
88 16.0 0.0 33.8

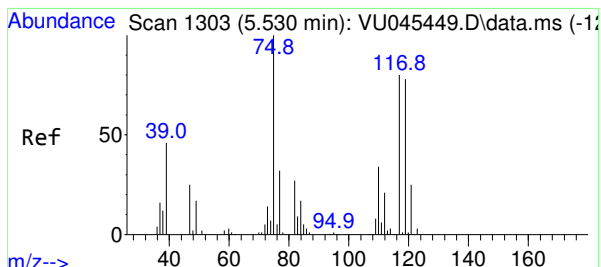
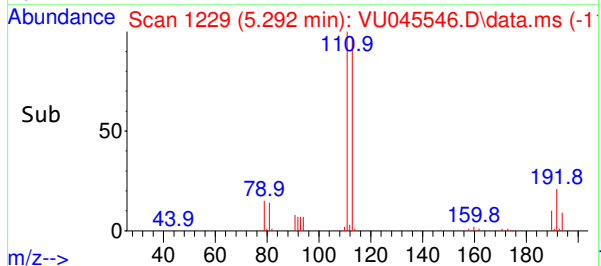
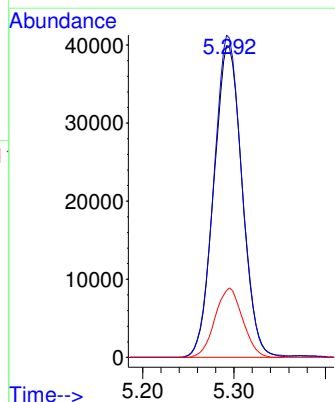
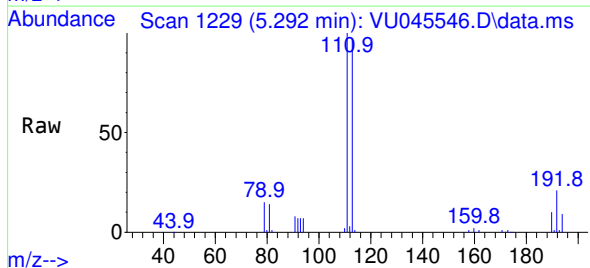




#35
Dibromofluoromethane
Concen: 46.19 ug/l
RT: 5.292 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

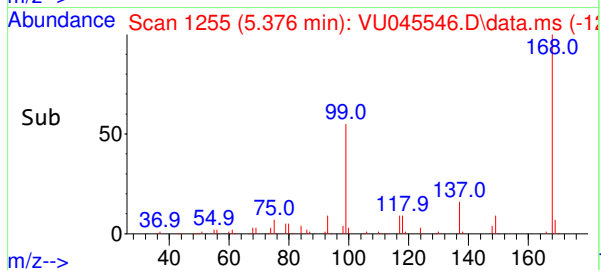
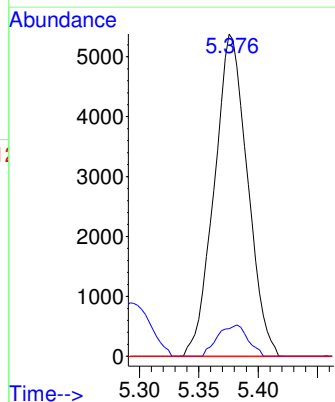
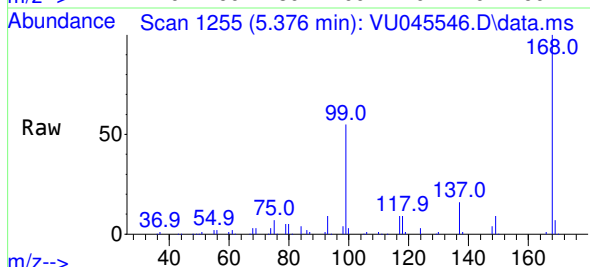
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ClientSampleId :

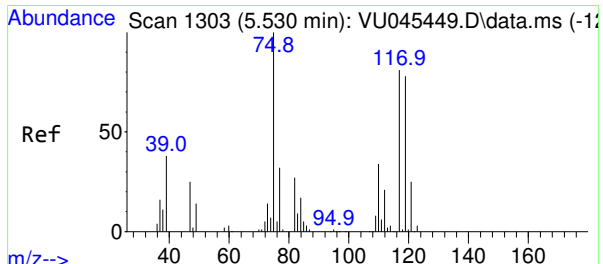
Tgt Ion:	113	Resp:	85606
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	21.8	14.8	22.2



#36
1,1-Dichloropropene
Concen: 3.77 ug/l
RT: 5.376 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

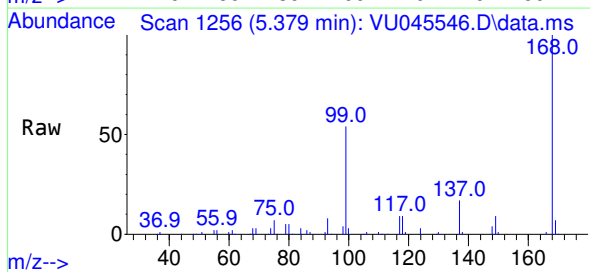
Tgt Ion:	75	Resp:	10458
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.7	50.0#
77	0.0	25.0	37.4#



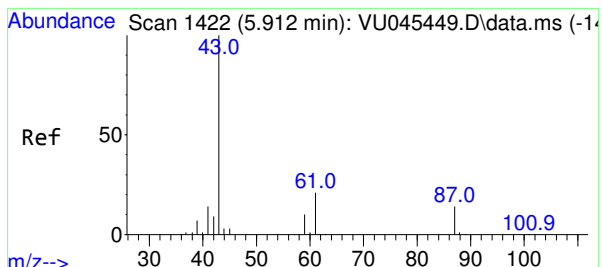
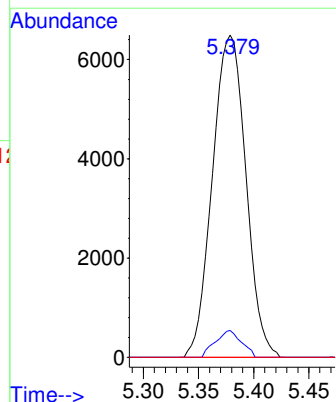
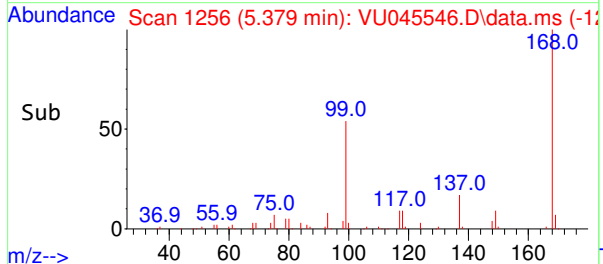


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.151 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Instrument :
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ClientSampleId :

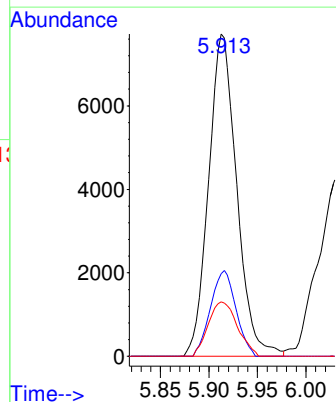
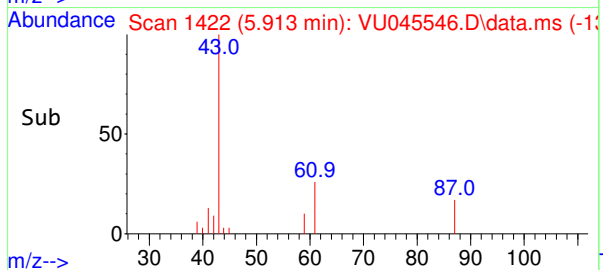
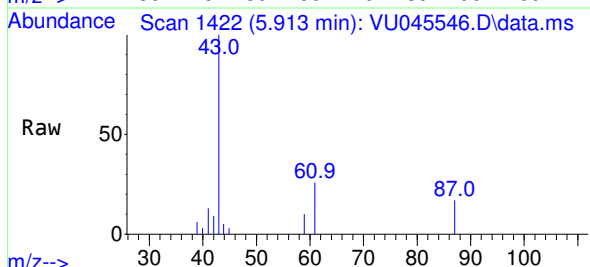


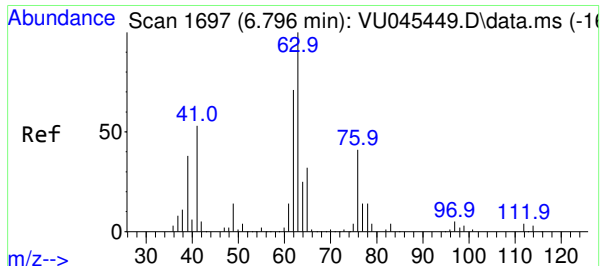
Tgt Ion: 117 Resp: 13698
Ion Ratio Lower Upper
117 100
119 8.3 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.07 ug/l
RT: 5.913 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 43 Resp: 15563
Ion Ratio Lower Upper
43 100
61 24.0 16.9 25.3
87 17.5 11.0 16.4#

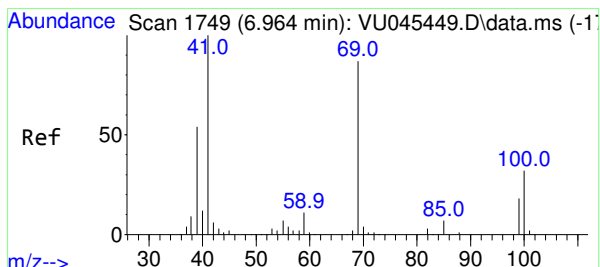
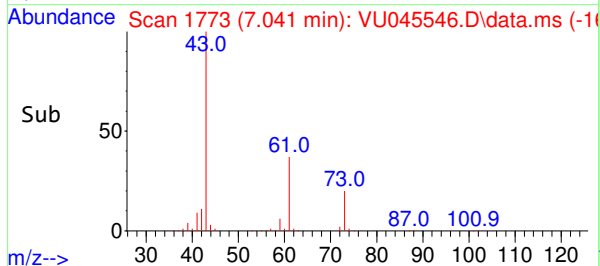
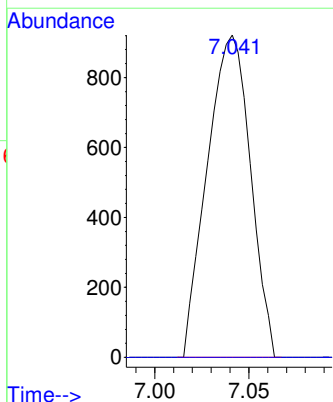
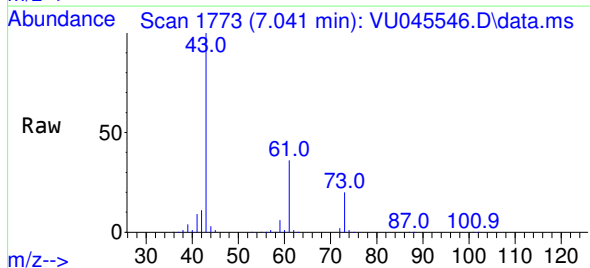




#45
1,2-Dichloropropane
Concen: 0.67 ug/l
RT: 7.041 min Scan# 1
Delta R.T. 0.245 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

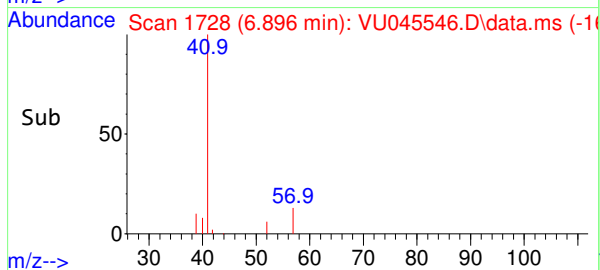
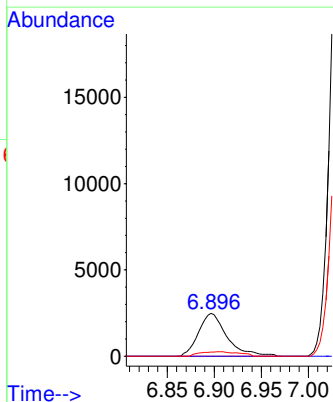
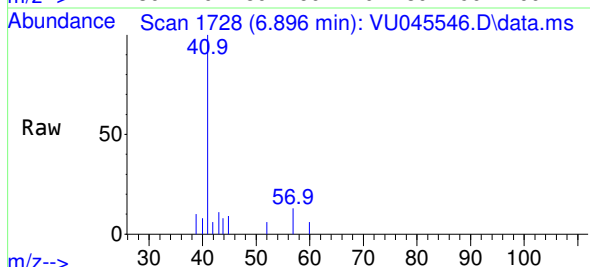
Instrument :
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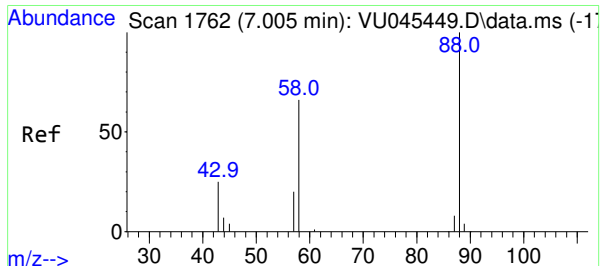
Tgt Ion: 63 Resp: 1473
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 2.18 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.067 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 41 Resp: 5225
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#

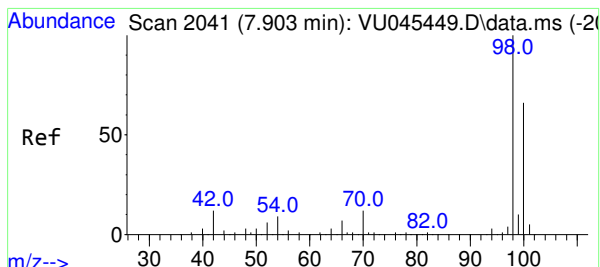
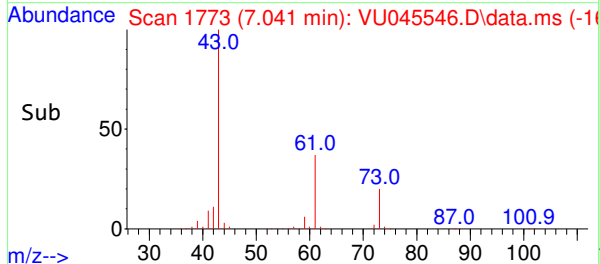
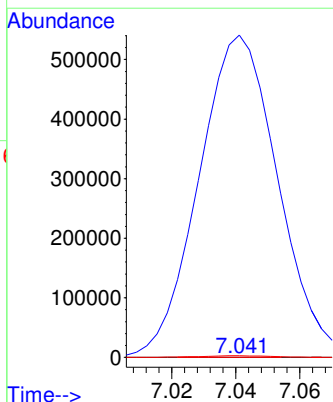
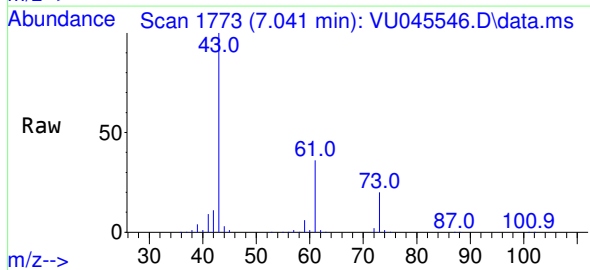




#49
1,4-Dioxane
Concen: 3.16 ug/l
RT: 7.041 min Scan# 1
Delta R.T. 0.036 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

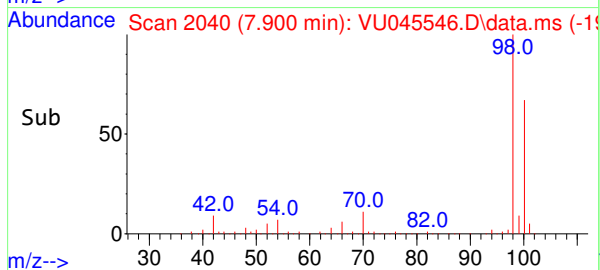
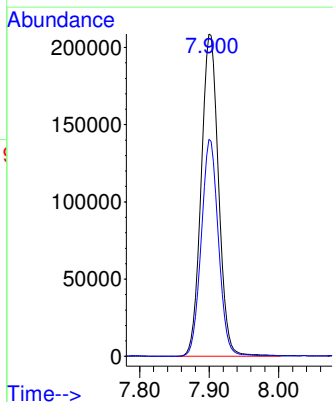
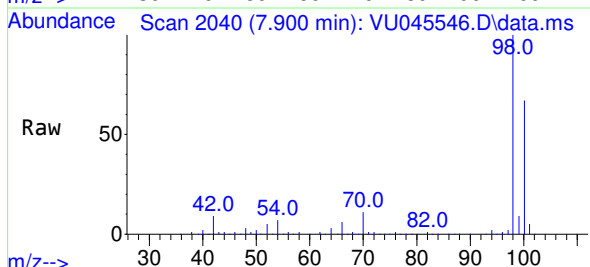
Instrument :
MSVOA_U
ClientSampleId :

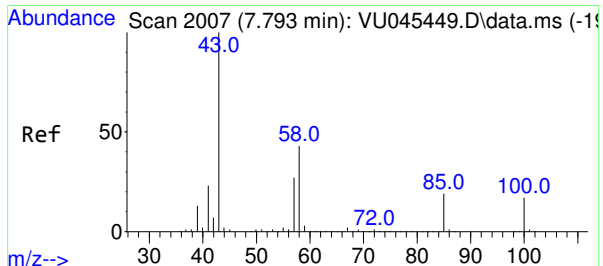
Tgt Ion: 88 Resp: 193
Ion Ratio Lower Upper
88 100
43 487294.8 0.0 0.0#
58 2451.3 58.7 88.1#



#50
Toluene-d8
Concen: 49.78 ug/l
RT: 7.900 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 98 Resp: 361797
Ion Ratio Lower Upper
98 100
100 66.7 52.5 78.7

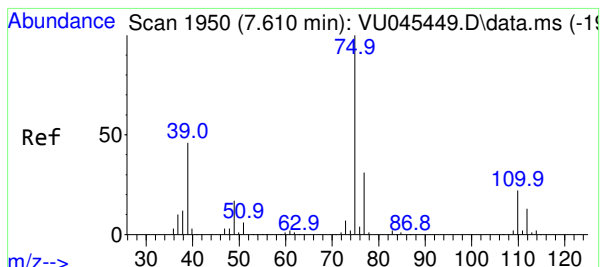
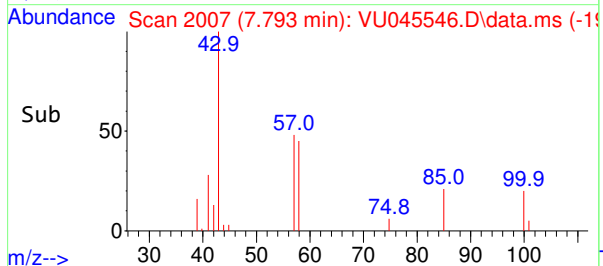
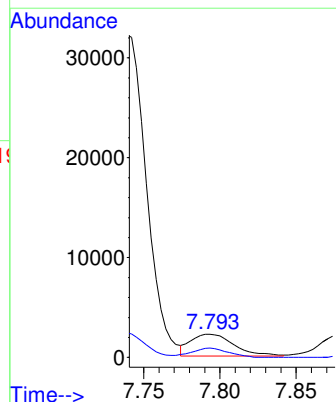
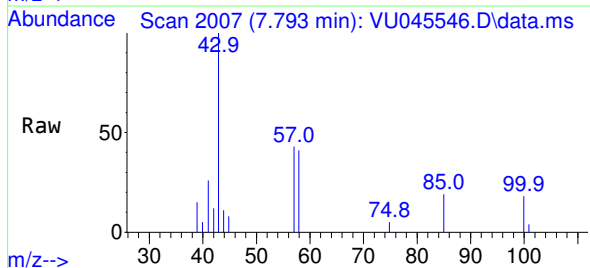




#51
4-Methyl-2-Pentanone
Concen: 1.31 ug/l
RT: 7.793 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

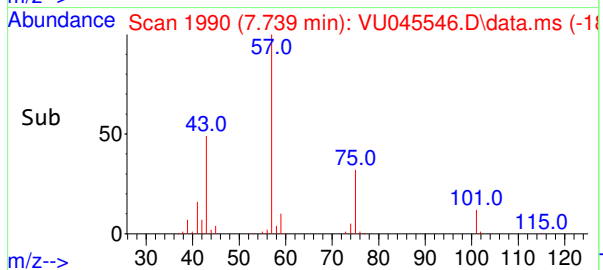
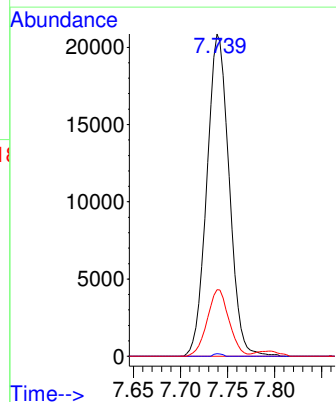
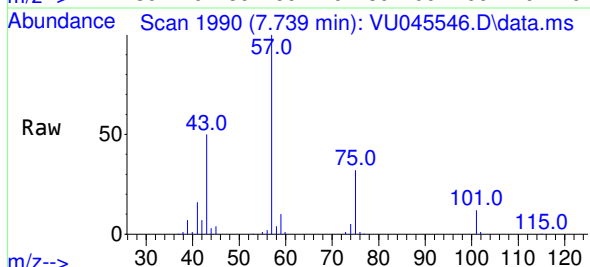
Instrument :
MSVOA_U
ClientSampleId :

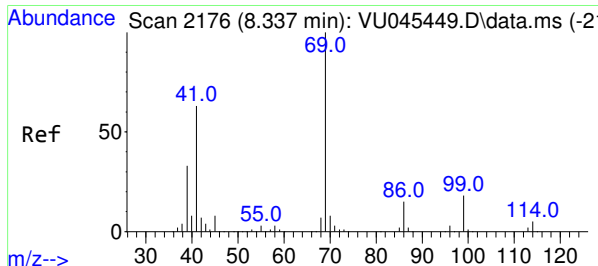
Tgt Ion: 43 Resp: 4301
Ion Ratio Lower Upper
43 100
58 37.0 33.8 50.8



#54
cis-1,3-Dichloropropene
Concen: 9.99 ug/l
RT: 7.739 min Scan# 1990
Delta R.T. 0.129 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 75 Resp: 34338
Ion Ratio Lower Upper
75 100
77 0.8 24.6 37.0#
39 20.7 37.1 55.7#

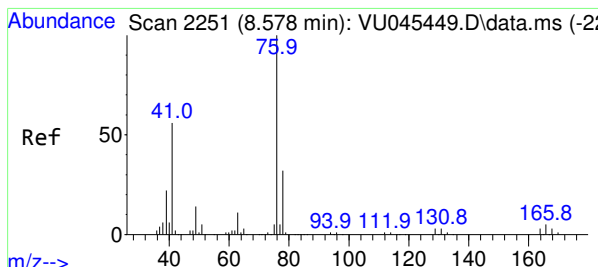
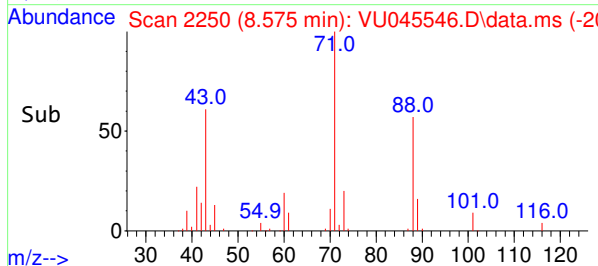
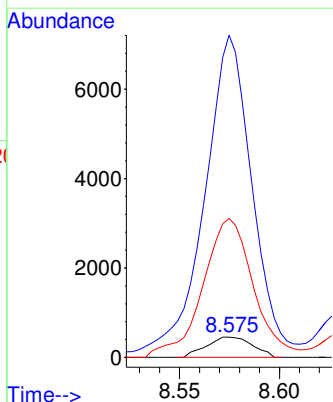
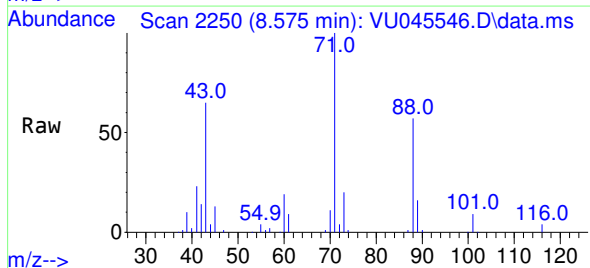




#56
Ethyl methacrylate
Concen: 1.83 ug/l
RT: 8.575 min Scan# 2176
Delta R.T. 0.238 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

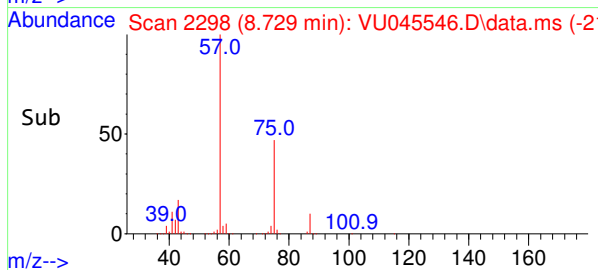
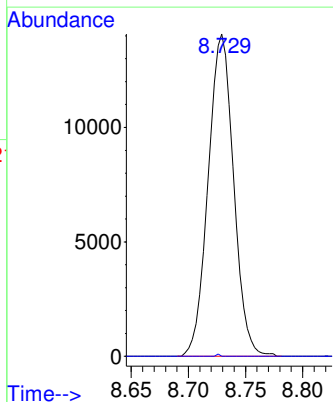
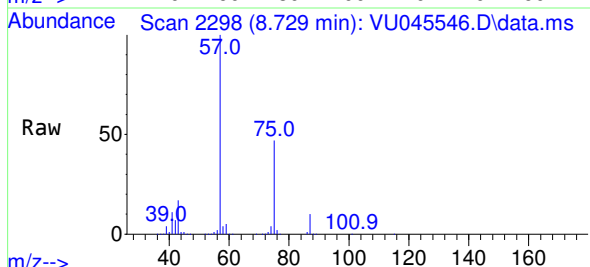
Instrument :
MSVOA_U
ClientSampleId :

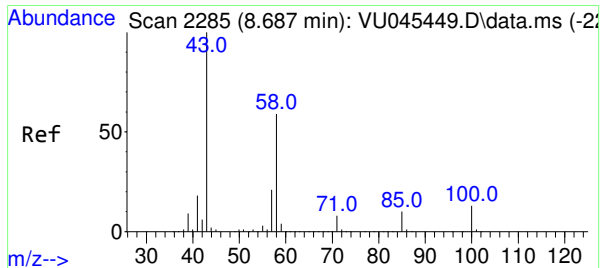
Tgt Ion: 69 Resp: 731
Ion Ratio Lower Upper
69 100
41 1657.2 51.0 76.4#
39 749.7 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.92 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 76 Resp: 21811
Ion Ratio Lower Upper
76 100
78 0.1 25.8 38.8#

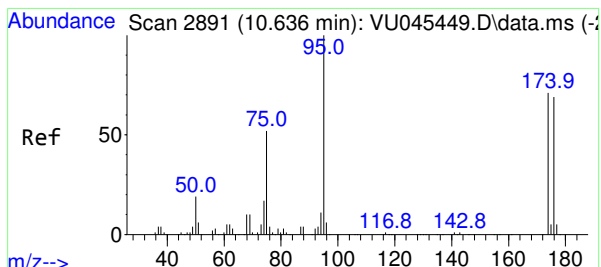
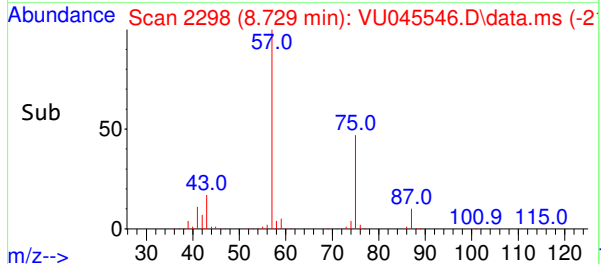
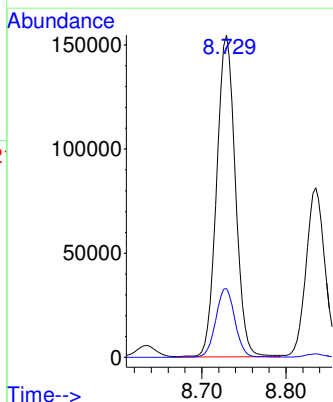
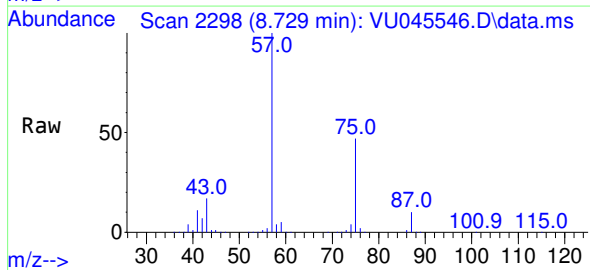




#59
2-Hexanone
Concen: 94.05 ug/l
RT: 8.729 min Scan# 2
Delta R.T. 0.042 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

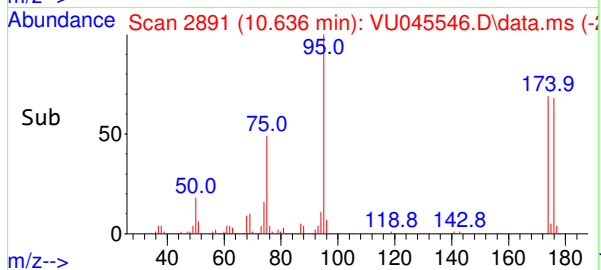
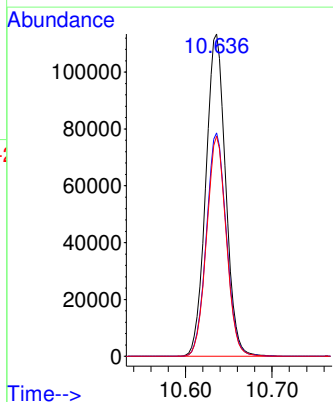
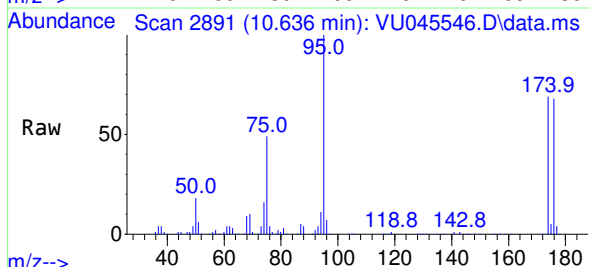
Instrument :
MSVOA_U
ClientSampleId :

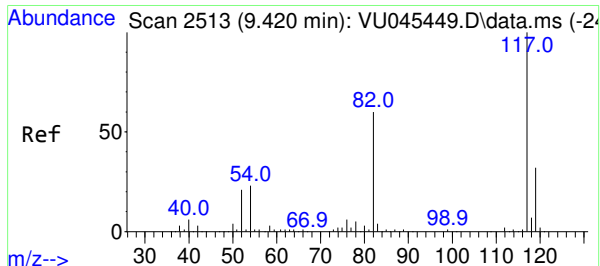
Tgt Ion: 43 Resp: 238534
Ion Ratio Lower Upper
43 100
58 21.5 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 65.21 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 95 Resp: 180607
Ion Ratio Lower Upper
95 100
174 69.9 0.0 141.8
176 67.7 0.0 138.2

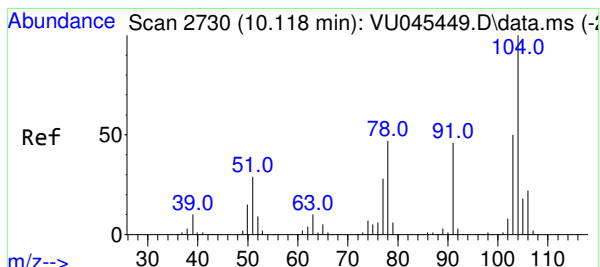
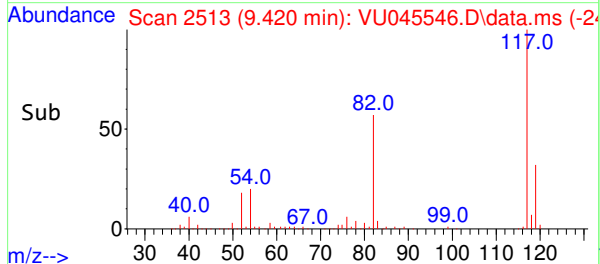
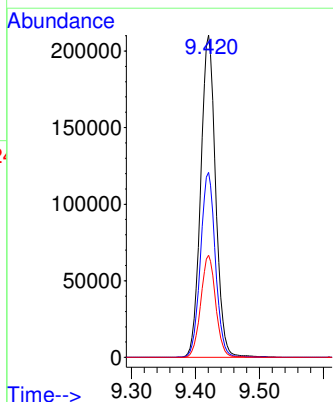
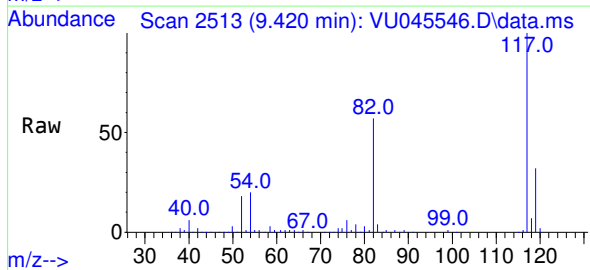




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

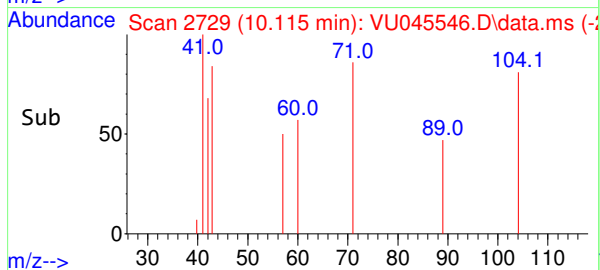
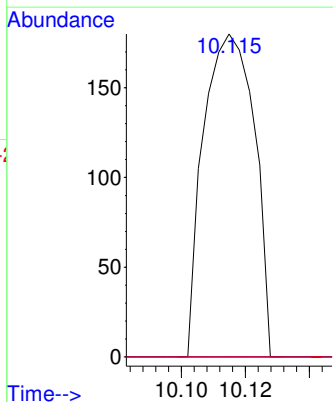
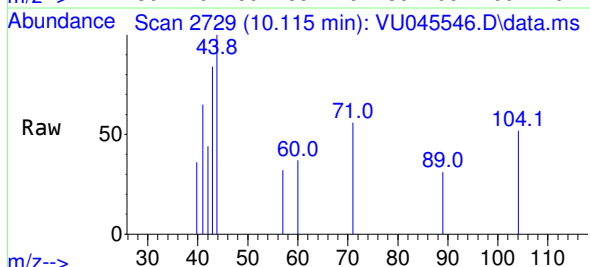
Instrument :
MSVOA_U
ClientSampleId :

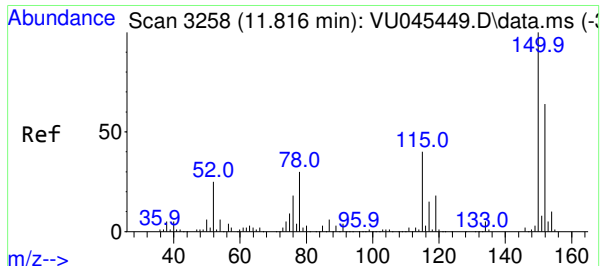
Tgt Ion:117 Resp: 340642
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.8
119 31.7 25.8 38.8



#70
Styrene
Concen: 1.00 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion:104 Resp: 198
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.6#
103 0.0 43.8 65.6#

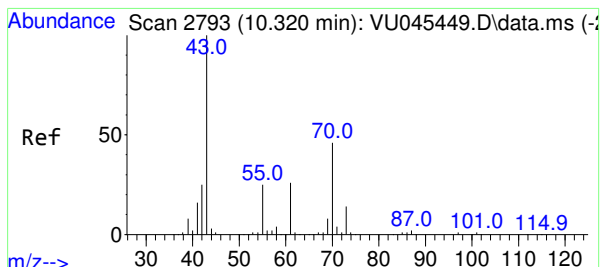
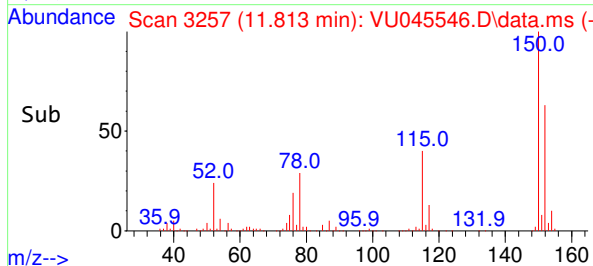
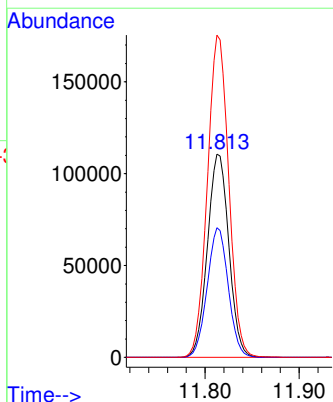
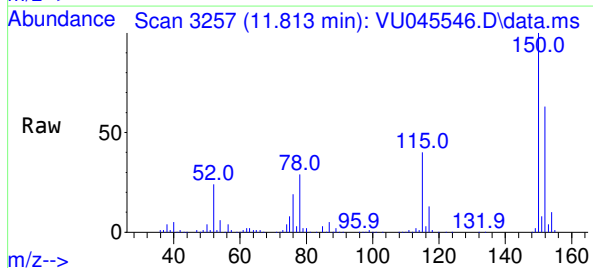




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.813 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

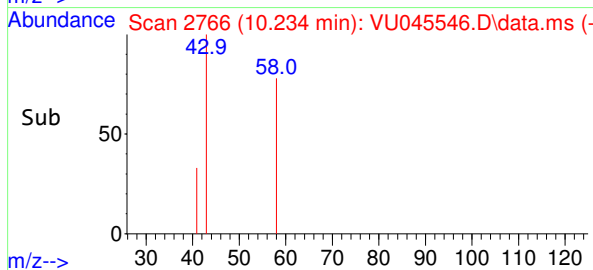
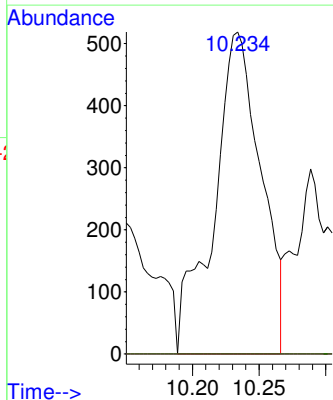
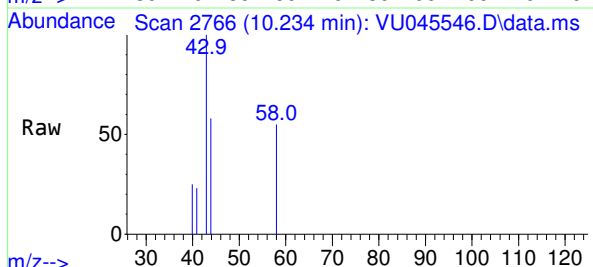
Instrument :
MSVOA_U
ClientSampleId :

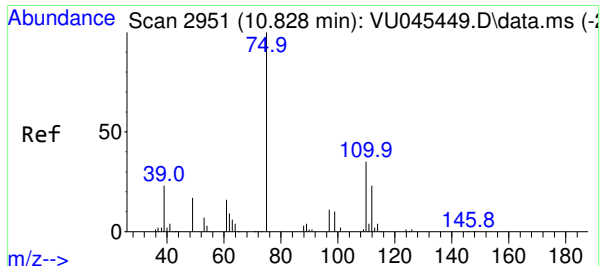
Tgt Ion:152 Resp: 174695
Ion Ratio Lower Upper
152 100
115 62.8 42.7 128.1
150 158.0 0.0 346.8



#74
N-ethyl acetate
Concen: 1.36 ug/l
RT: 10.234 min Scan# 2766
Delta R.T. -0.086 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

Tgt Ion: 43 Resp: 1279
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#

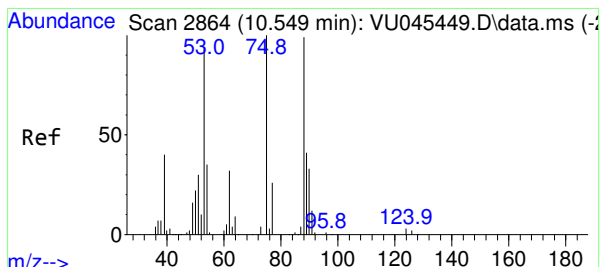
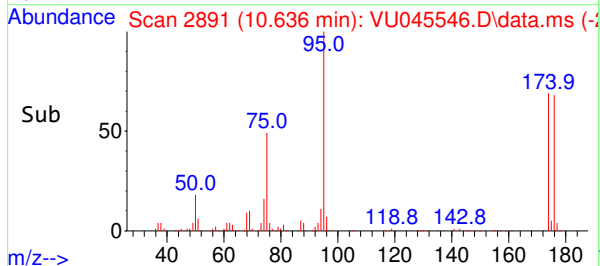
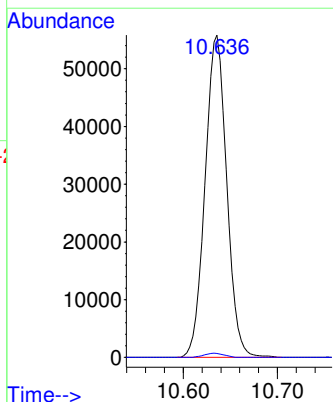
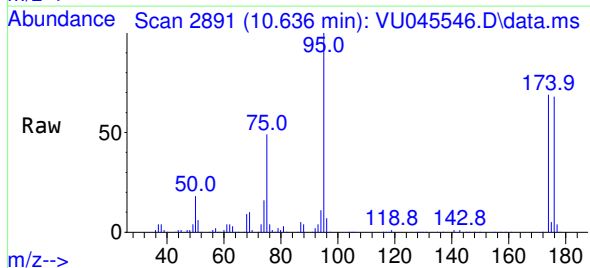




#76
1,2,3-Trichloropropane
Concen: 19.13 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

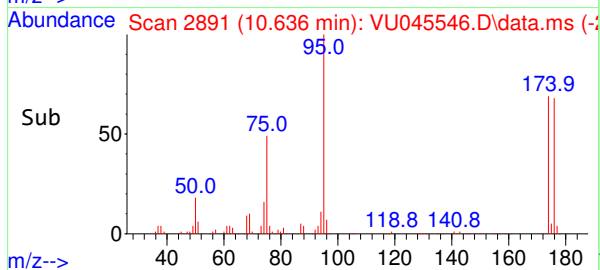
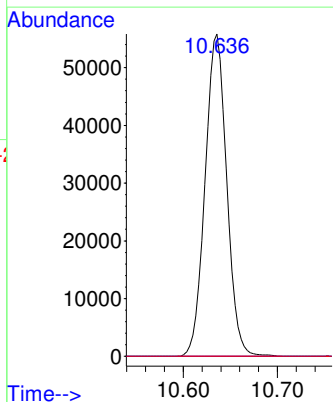
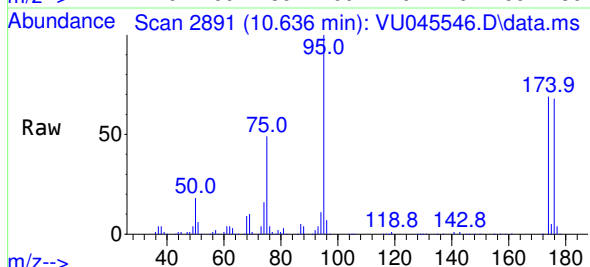
Instrument :
MSVOA_U
ClientSampleId :

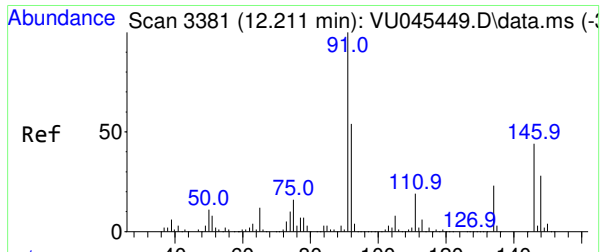
Tgt Ion: 75 Resp: 89064
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.27 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045546.D
Acq: 04 Nov 2021 01:31

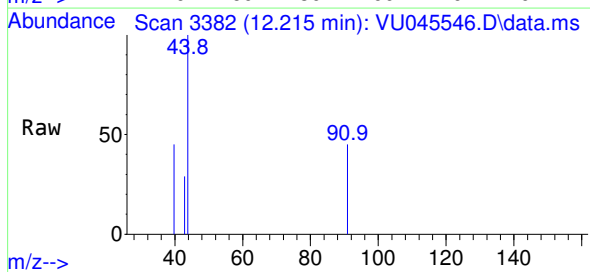
Tgt Ion: 75 Resp: 89064
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#89
 n-Butylbenzene
 Concen: 0.96 ug/l
 RT: 12.215 min Scan# 3
 Delta R.T. 0.004 min
 Lab File: VU045546.D
 Acq: 04 Nov 2021 01:31

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 91 Resp: 200

Ion	Ratio	Lower	Upper
91	100		
92	21.5	27.1	81.2#
134	0.0	11.8	35.4#

