

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045536.D
 Acq On : 03 Nov 2021 21:42
 Operator : SY/MD
 Sample : PB140448ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:53:56 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

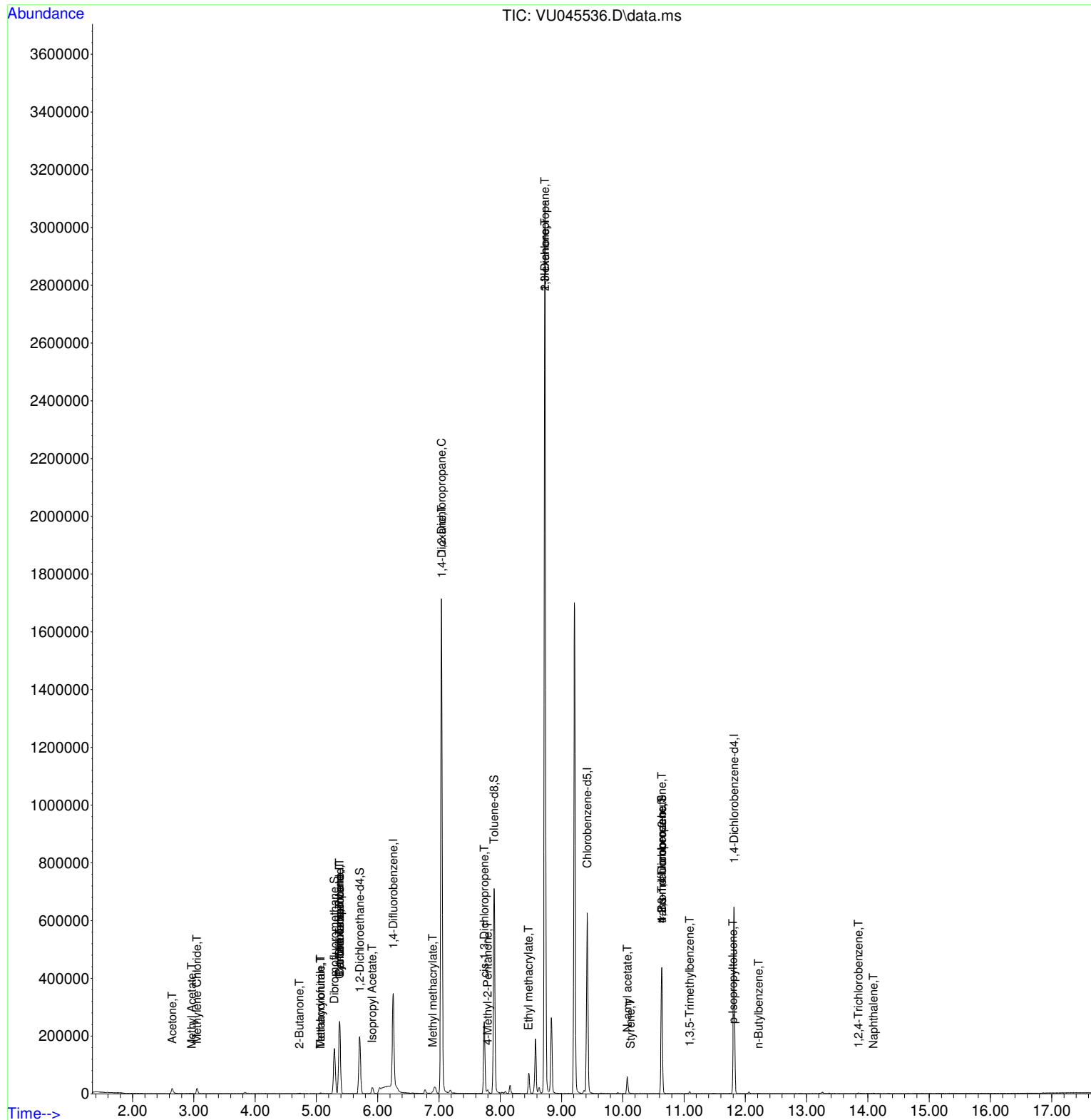
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	178410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	279732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	347273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	166606	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	145205	49.99	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.98%		
35) Dibromofluoromethane	5.292	113	105655	59.40	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	118.80%		
50) Toluene-d8	7.899	98	472084	67.68	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	135.36%#		
62) 4-Bromofluorobenzene	10.636	95	155619	58.55	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.10%		
Target Compounds						
					Qvalue	
16) Acetone	2.646	43	28716	21.78	ug/l	97
18) Methyl Acetate	2.967	43	1231	0.25	ug/l #	65
20) Methylene Chloride	3.051	84	9421	3.59	ug/l	96
25) 2-Butanone	4.719	43	4288	2.15	ug/l	98
29) Tetrahydrofuran	5.067	42	1915	1.48	ug/l	97
31) Cyclohexane	5.375	56	3593	0.83	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	14345	5.39	ug/l #	49
38) Carbon Tetrachloride	5.379	117	17712	7.63	ug/l #	17
41) Methacrylonitrile	5.067	41	1070	0.63	ug/l #	34
43) Isopropyl Acetate	5.909	43	24552	5.05	ug/l	98
45) 1,2-Dichloropropane	7.041	63	2155	1.02	ug/l #	43
48) Methyl methacrylate	6.896	41	8146	3.54	ug/l #	13
49) 1,4-Dioxane	7.044	88	285	4.87	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	7933	2.53	ug/l	93
54) cis-1,3-Dichloropropene	7.739	75	49132	14.89	ug/l #	55
56) Ethyl methacrylate	8.462	69	264	1.71	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	31684	8.97	ug/l #	43
59) 2-Hexanone	8.729	43	409358	168.20	ug/l #	48
70) Styrene	10.121	104	444	1.03	ug/l #	78
74) N-amyl acetate	10.073	43	16423	3.91	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	73993	16.67	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.092	105	4284	0.45	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.636	75	73993	46.75	ug/l #	12
86) p-Isopropyltoluene	11.793	119	550	0.24	ug/l #	25
89) n-Butylbenzene	12.214	91	1016	1.03	ug/l	85
93) 1,2,4-Trichlorobenzene	13.844	180	702	0.20	ug/l	88
95) Naphthalene	14.089	128	1986	0.24	ug/l #	89

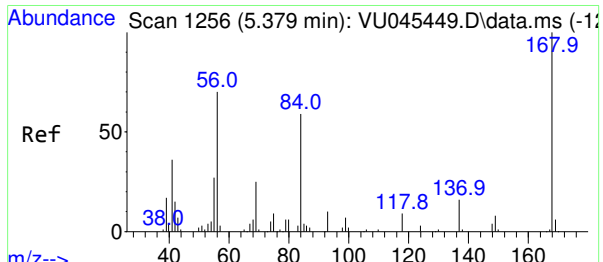
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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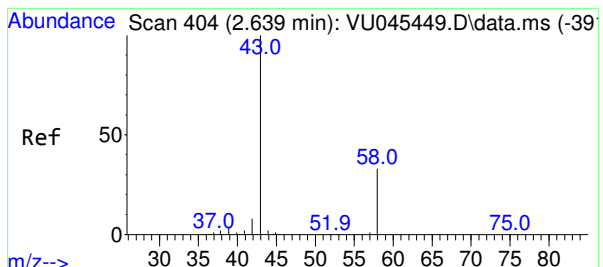
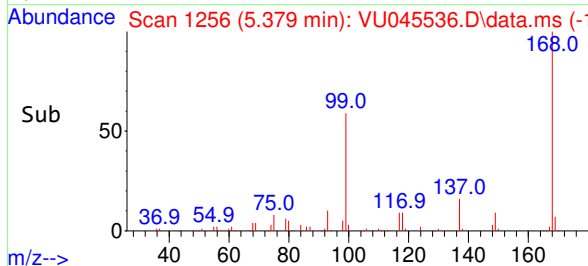
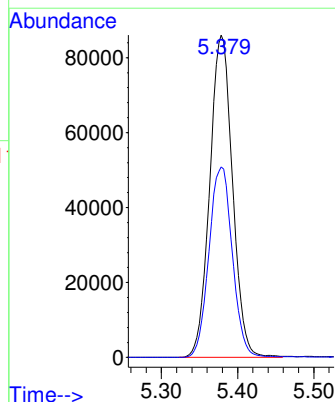
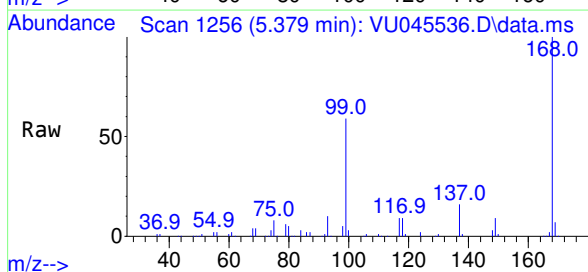




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

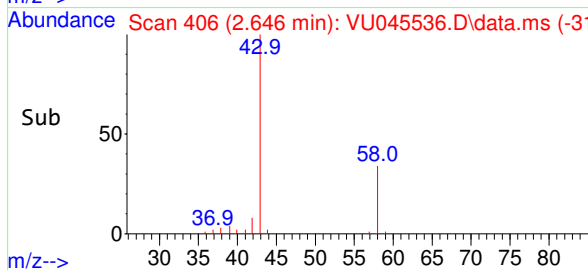
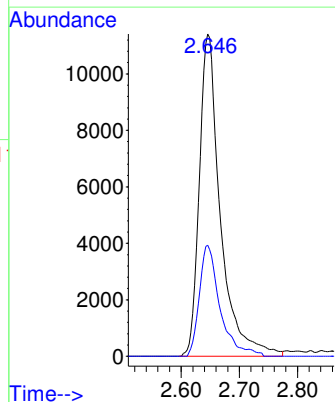
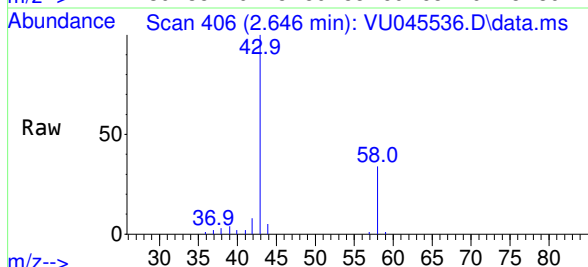
Instrument :
MSVOA_U
ClientSampleId :

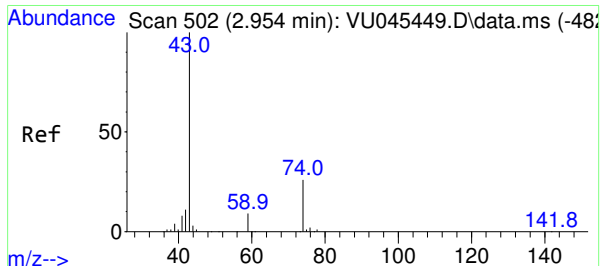
Tgt Ion:168 Resp: 178410
Ion Ratio Lower Upper
168 100
99 59.1 51.0 76.6



#16
Acetone
Concen: 21.78 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.006 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 43 Resp: 28716
Ion Ratio Lower Upper
43 100
58 34.5 26.2 39.2

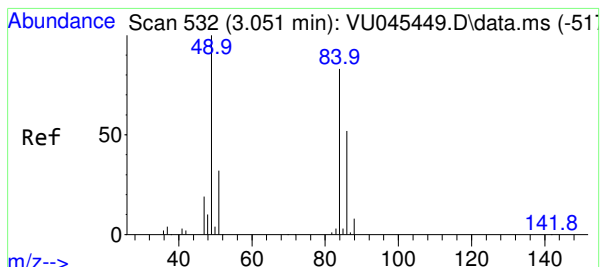
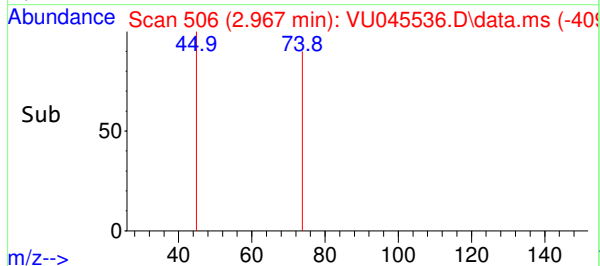
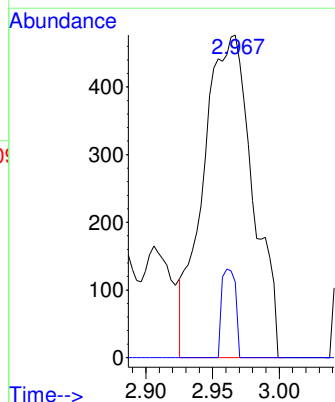
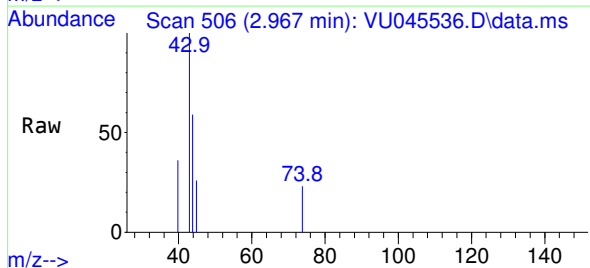




#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.967 min Scan# 51
Delta R.T. 0.013 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

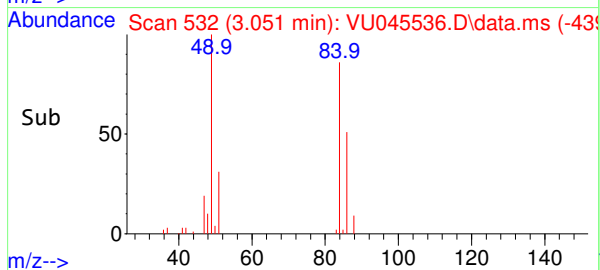
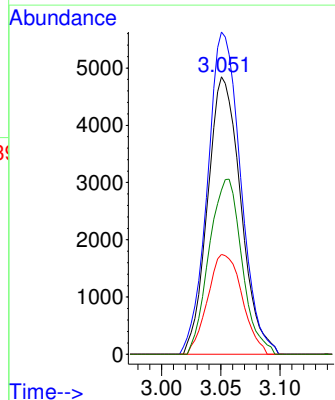
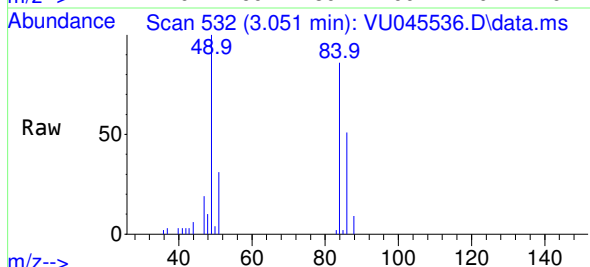
Instrument :
MSVOA_U
ClientSampleId :

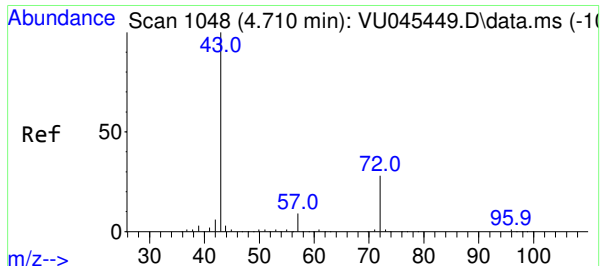
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
74 7.7 20.2 30.2#



#20
Methylene Chloride
Concen: 3.59 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 84 Resp: 9421
Ion Ratio Lower Upper
84 100
49 116.2 96.4 144.6
51 36.0 30.5 45.7
86 59.2 50.3 75.5

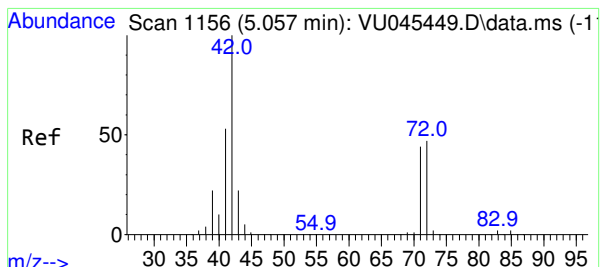
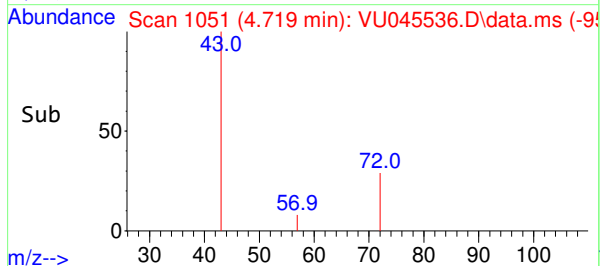
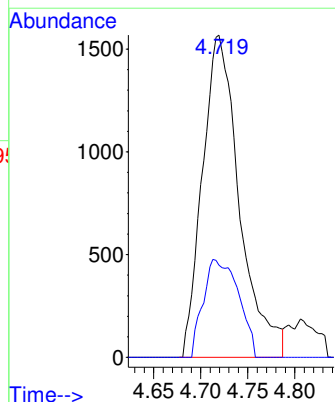
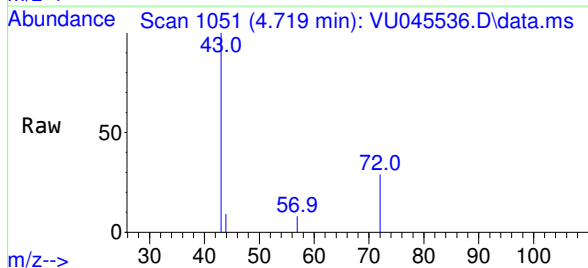




#25
2-Butanone
Concen: 2.15 ug/l
RT: 4.719 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

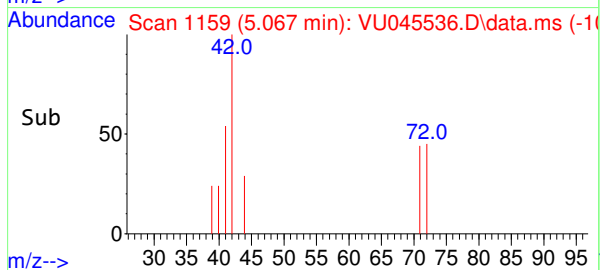
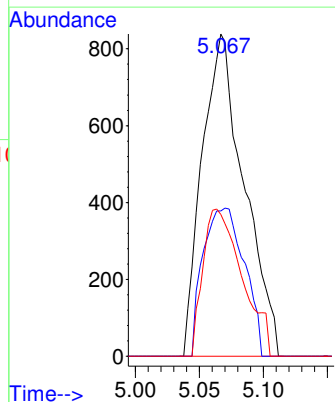
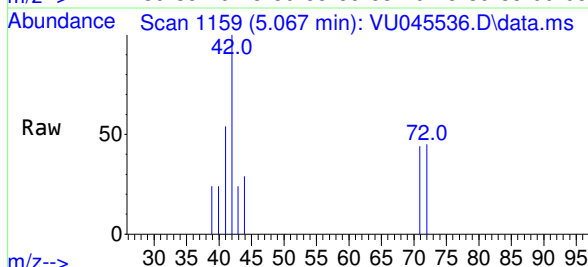
Instrument :
MSVOA_U
ClientSampleId :

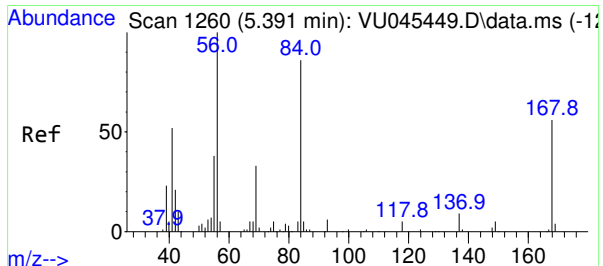
Tgt Ion: 43 Resp: 4288
Ion Ratio Lower Upper
43 100
72 28.6 22.0 33.0



#29
Tetrahydrofuran
Concen: 1.48 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 42 Resp: 1915
Ion Ratio Lower Upper
42 100
72 45.1 38.2 57.4
71 42.7 35.4 53.2

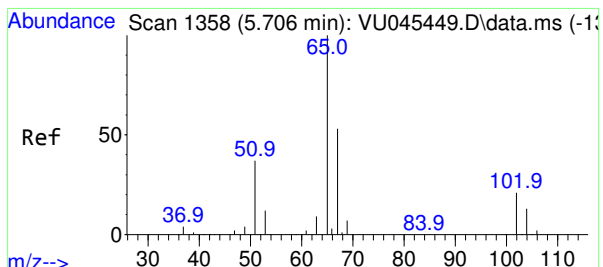
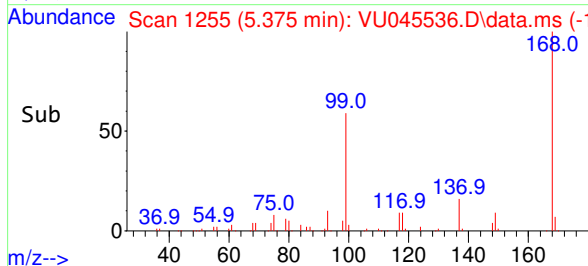
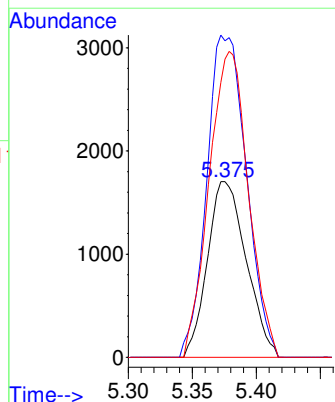
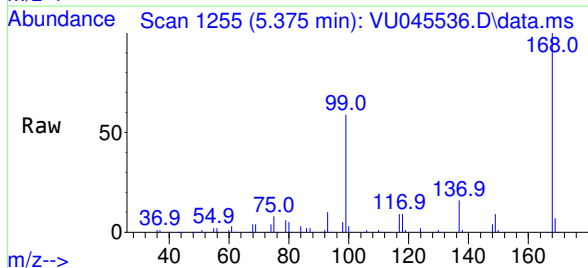




#31
Cyclohexane
Concen: 0.83 ug/l
RT: 5.375 min Scan# 1
Delta R.T. -0.016 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

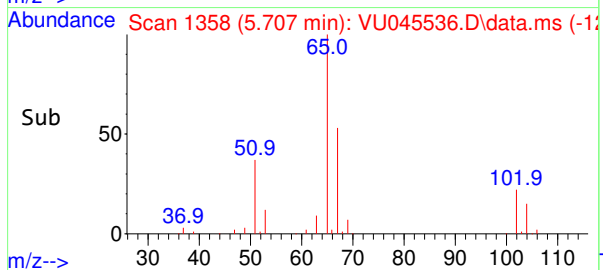
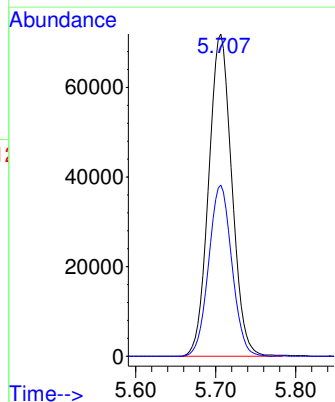
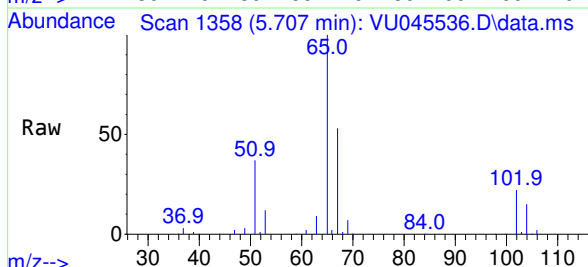
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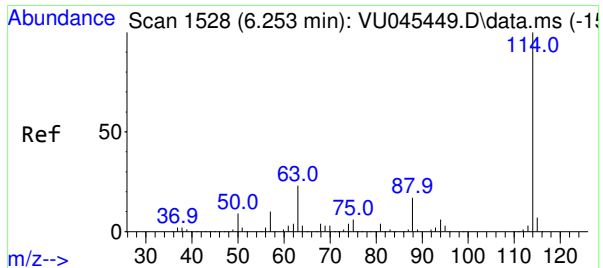
Tgt Ion: 56 Resp: 3593
Ion Ratio Lower Upper
56 100
69 180.2 26.4 39.6#
84 169.8 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 49.99 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 65 Resp: 145205
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

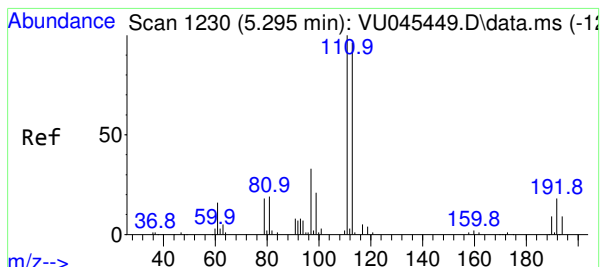
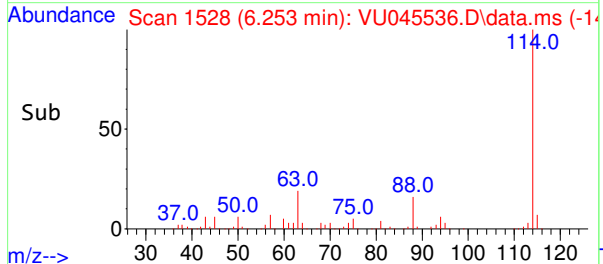
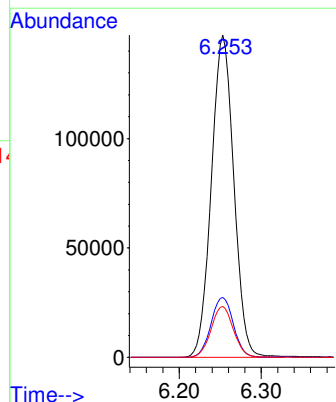
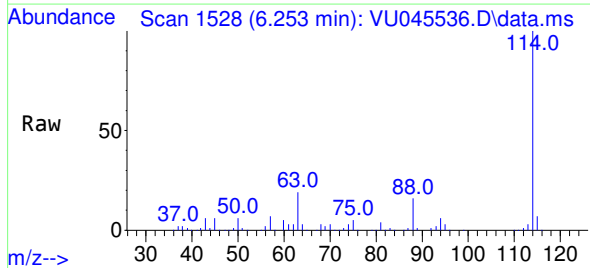




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

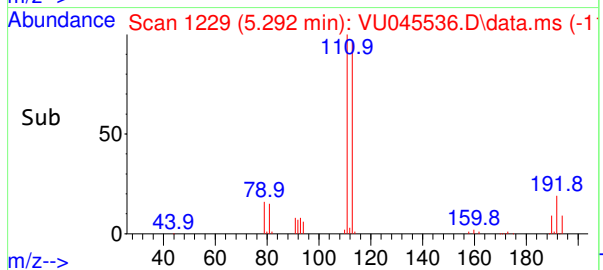
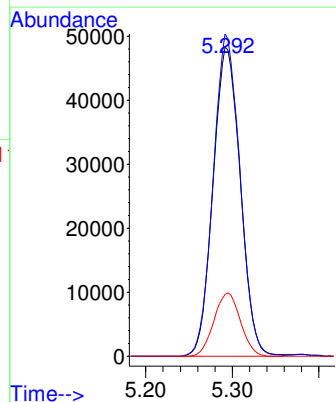
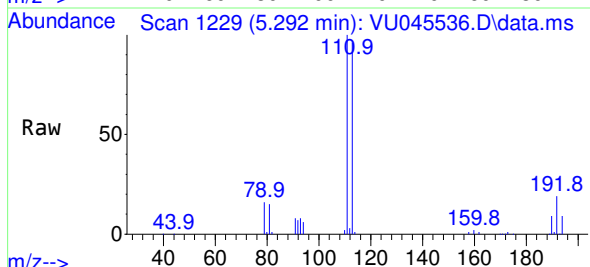
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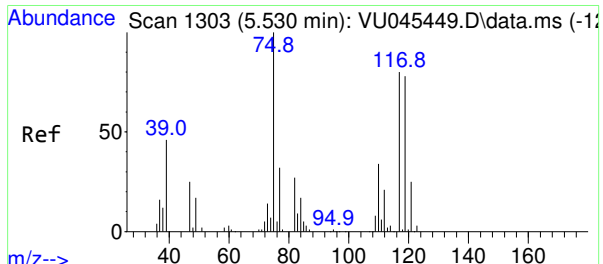
Tgt Ion:	114	Resp:	279732
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	45.6
88	15.9	0.0	33.8



#35
Dibromofluoromethane
Concen: 59.40 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.003 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:	113	Resp:	105655
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	20.0	14.8	22.2

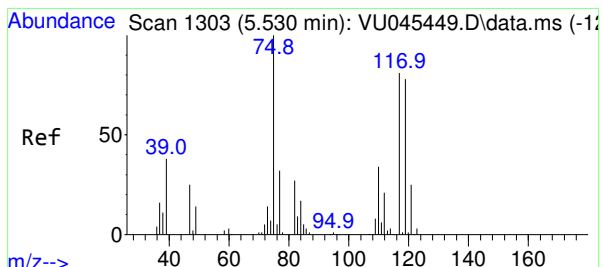
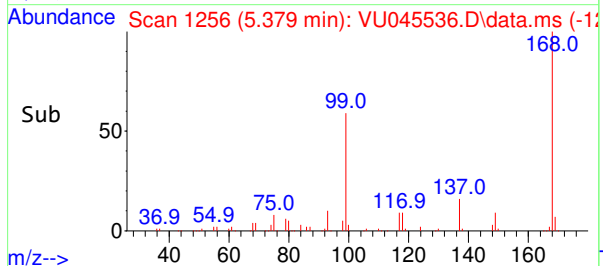
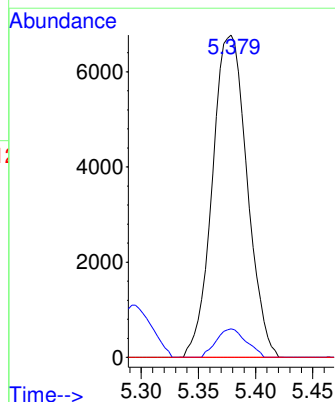
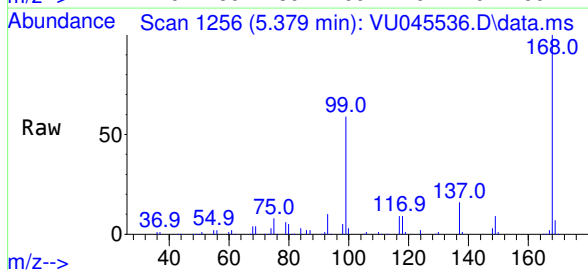




#36
1,1-Dichloropropene
Concen: 5.39 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

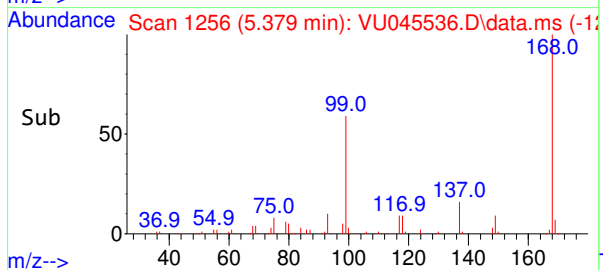
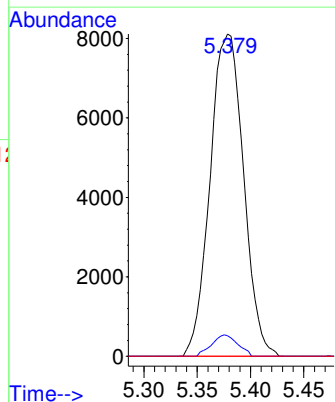
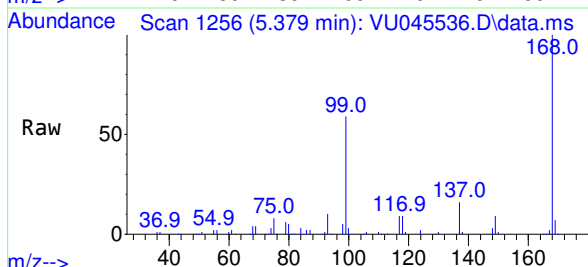
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MSVOA_U
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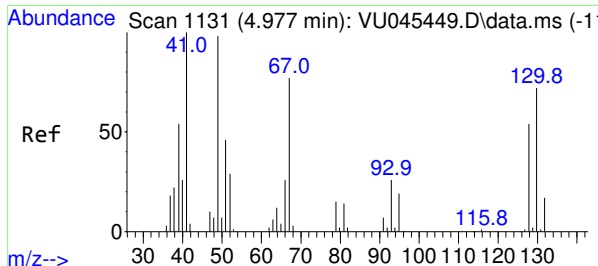
Tgt Ion:	75	Resp:	14345
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.7	50.0#
77	0.0	25.0	37.4#



#38
Carbon Tetrachloride
Concen: 7.63 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:	117	Resp:	17712
Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	24.8	37.2#

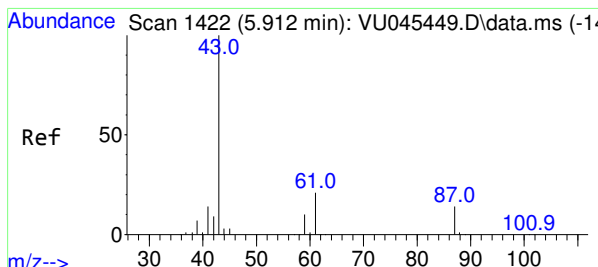
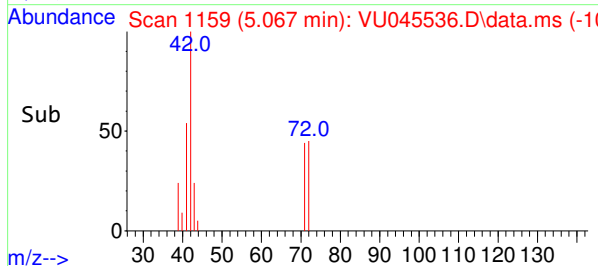
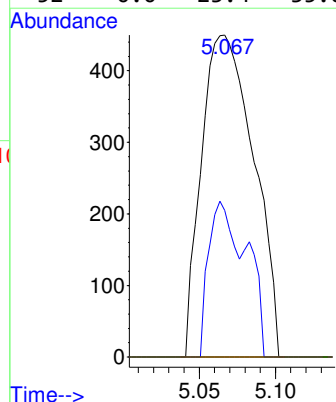
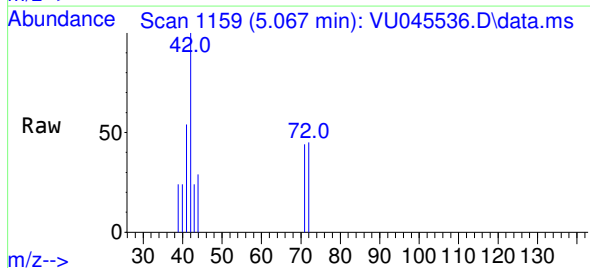




#41
Methacrylonitrile
Concen: 0.63 ug/l
RT: 5.067 min Scan# 1
Delta R.T. 0.090 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

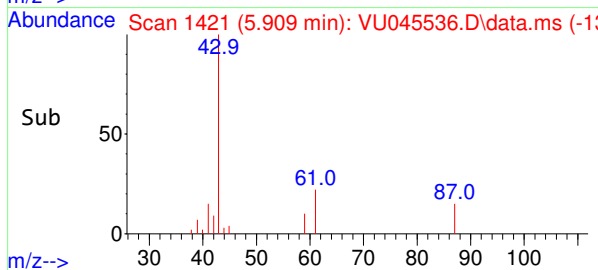
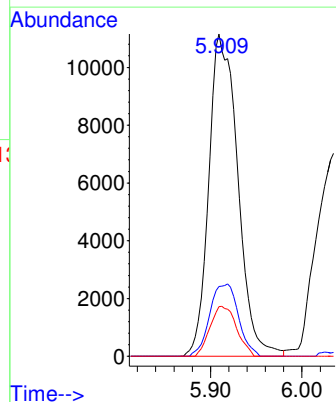
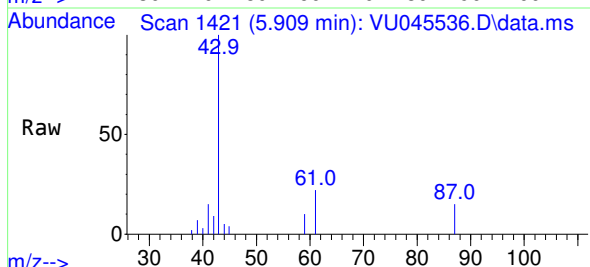
Instrument :
MSVOA_U
ClientSampleId :

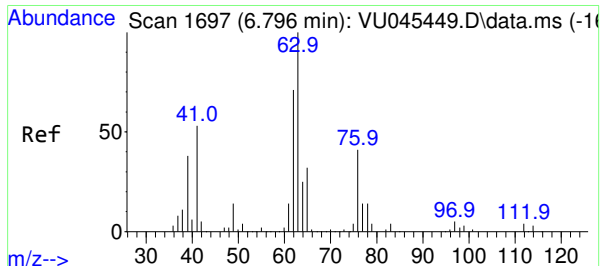
Tgt Ion:	41	Resp:	1070
Ion	Ratio	Lower	Upper
41	100		
39	24.7	43.4	65.0#
67	0.0	61.0	91.4#
52	0.0	23.4	35.0#



#43
Isopropyl Acetate
Concen: 5.05 ug/l
RT: 5.909 min Scan# 1421
Delta R.T. -0.003 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:	43	Resp:	24552
Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.9	25.3
87	14.2	11.0	16.4

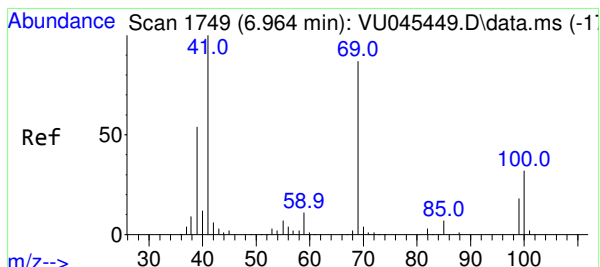
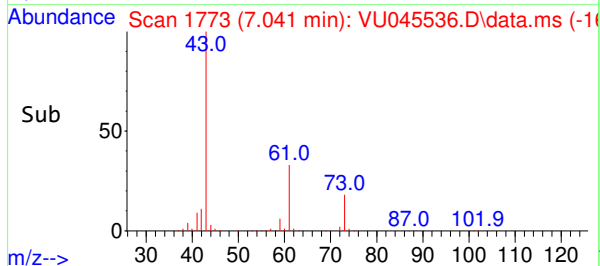
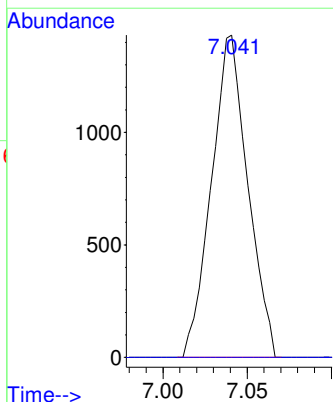
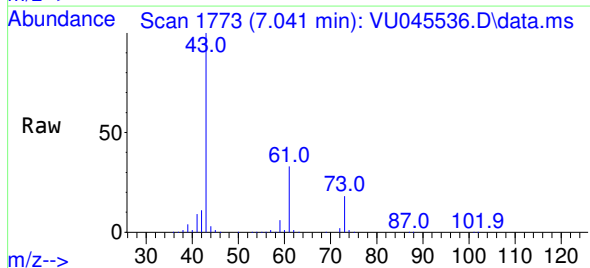




#45
1,2-Dichloropropane
Concen: 1.02 ug/l
RT: 7.041 min Scan# 1
Delta R.T. 0.244 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

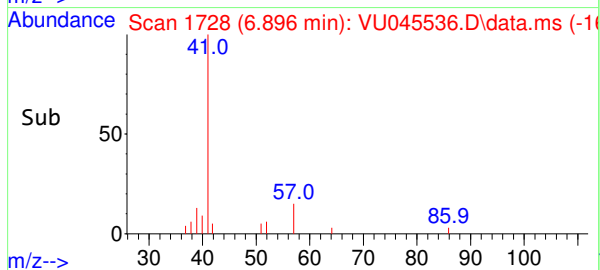
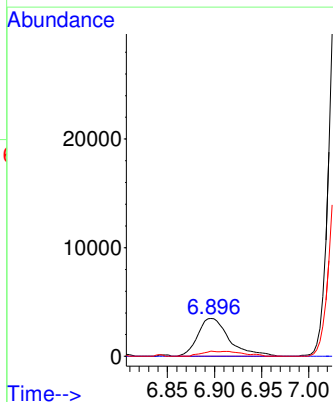
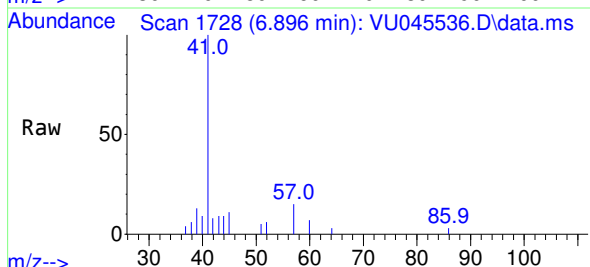
Instrument :
MSVOA_U
ClientSampleId :

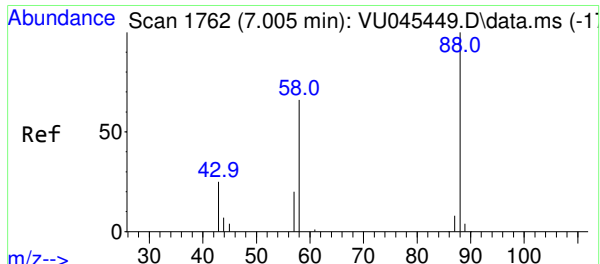
Tgt Ion: 63 Resp: 2155
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 3.54 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.067 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 41 Resp: 8146
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#

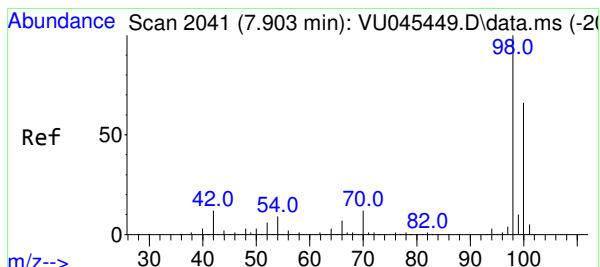
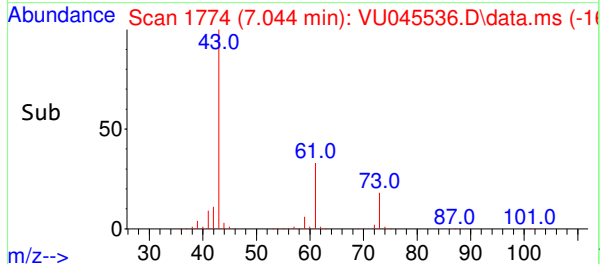
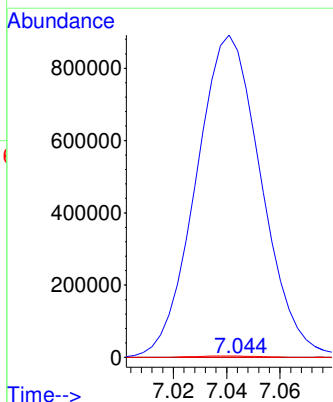
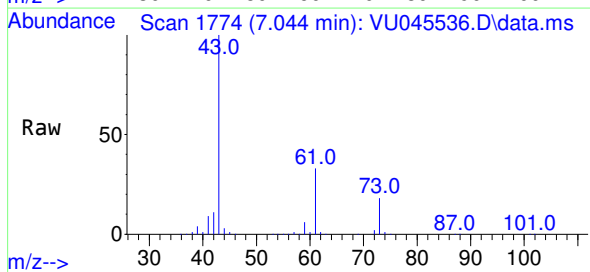




#49
1,4-Dioxane
Concen: 4.87 ug/l
RT: 7.044 min Scan# 1
Delta R.T. 0.039 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

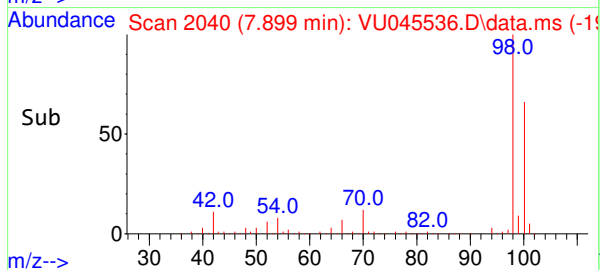
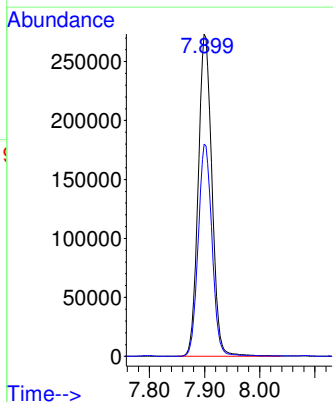
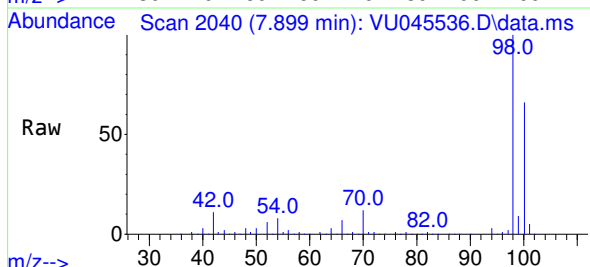
Instrument :
MSVOA_U
ClientSampleId :

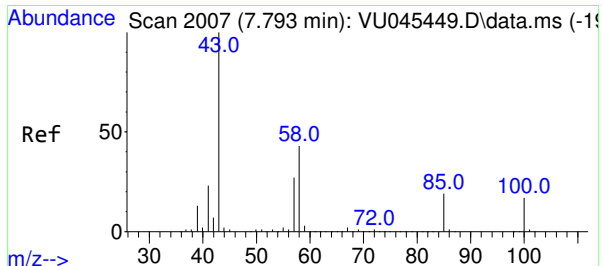
Tgt Ion: 88 Resp: 285
Ion Ratio Lower Upper
88 100
43 538974.4 0.0 0.0#
58 2467.4 58.7 88.1#



#50
Toluene-d8
Concen: 67.68 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 98 Resp: 472084
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

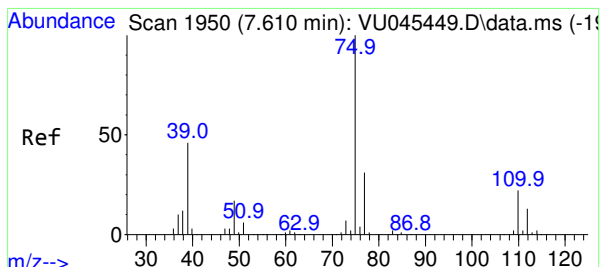
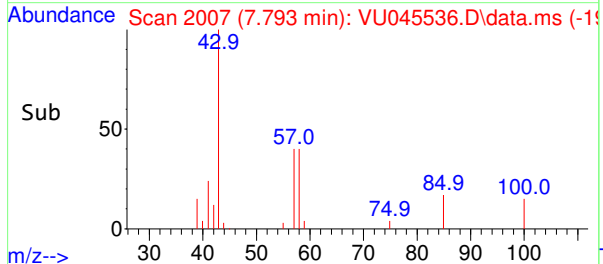
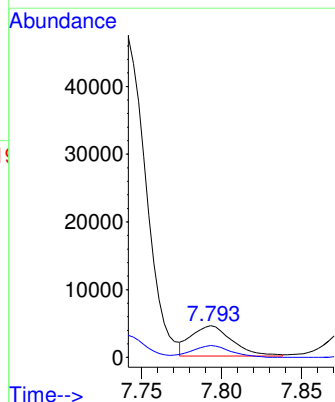
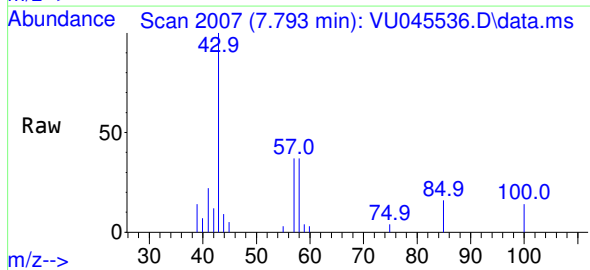




#51
4-Methyl-2-Pentanone
Concen: 2.53 ug/l
RT: 7.793 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

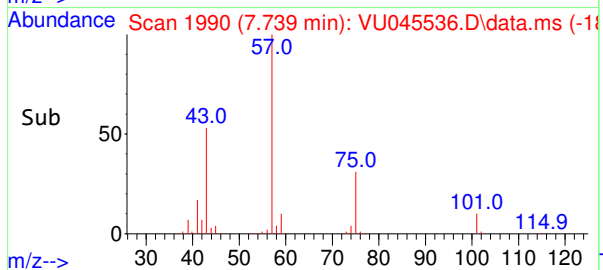
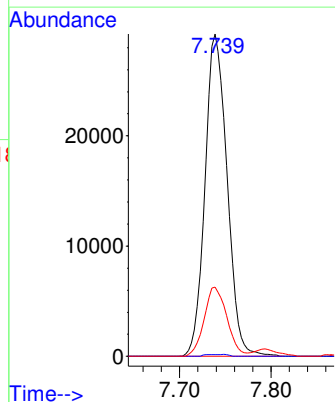
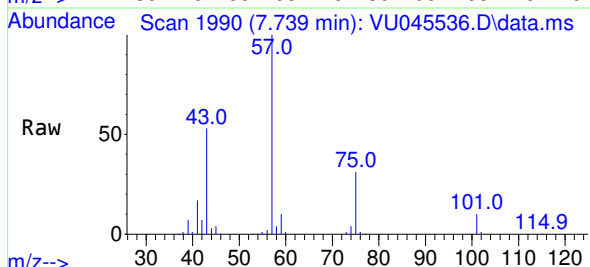
Instrument :
MSVOA_U
ClientSampleId :

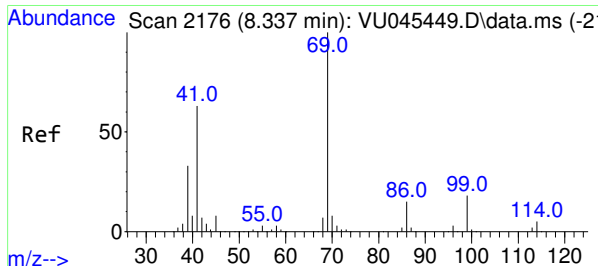
Tgt Ion: 43 Resp: 7933
Ion Ratio Lower Upper
43 100
58 37.7 33.8 50.8



#54
cis-1,3-Dichloropropene
Concen: 14.89 ug/l
RT: 7.739 min Scan# 1990
Delta R.T. 0.129 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 75 Resp: 49132
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 21.4 37.1 55.7#

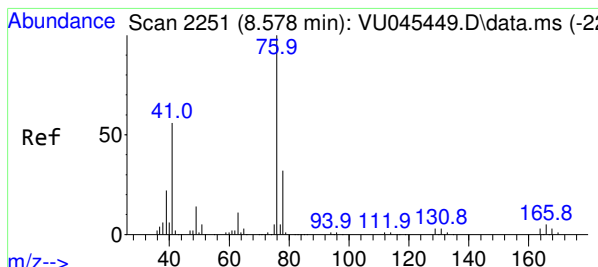
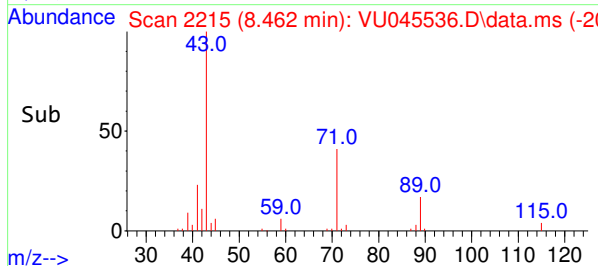
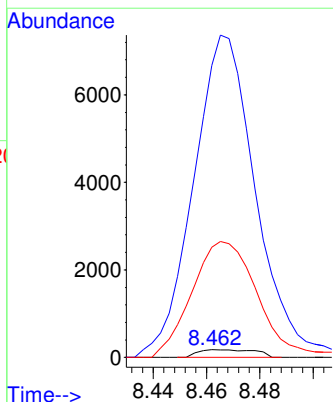
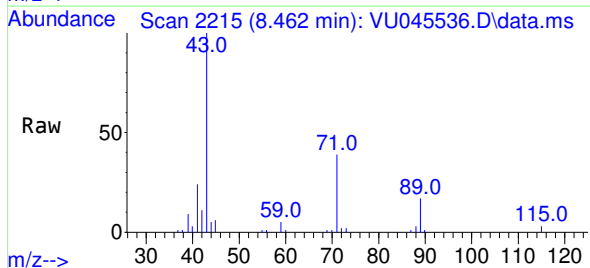




#56
Ethyl methacrylate
Concen: 1.71 ug/l
RT: 8.462 min Scan# 2176
Delta R.T. 0.125 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

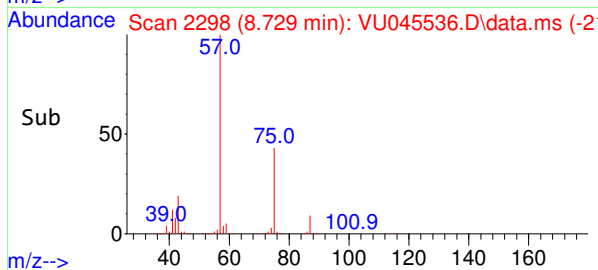
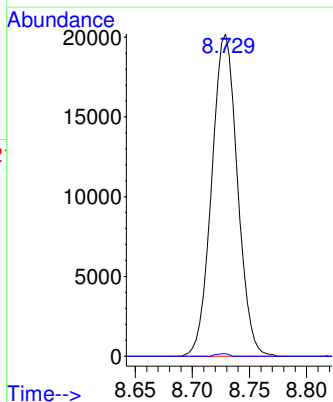
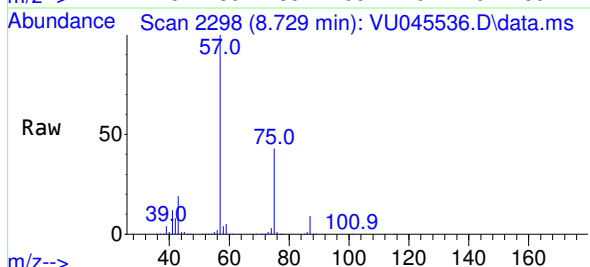
Instrument :
MSVOA_U
ClientSampleId :

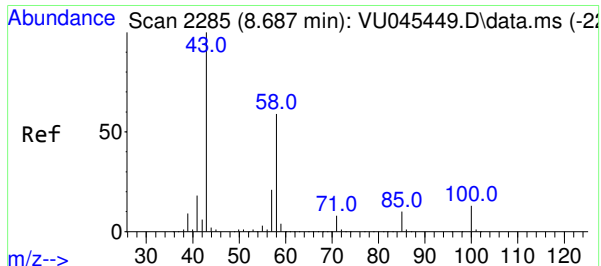
Tgt Ion: 69 Resp: 264
Ion Ratio Lower Upper
69 100
41 4531.1 51.0 76.4#
39 1706.8 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 8.97 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 76 Resp: 31684
Ion Ratio Lower Upper
76 100
78 0.4 25.8 38.8#

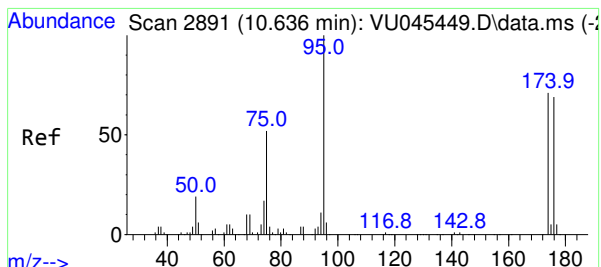
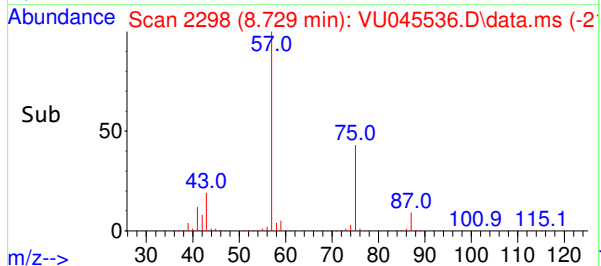
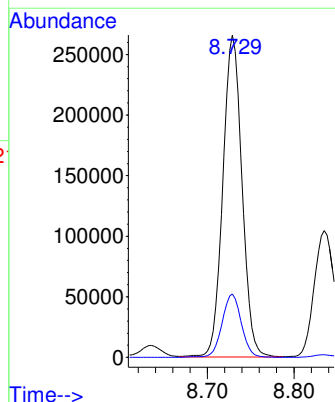
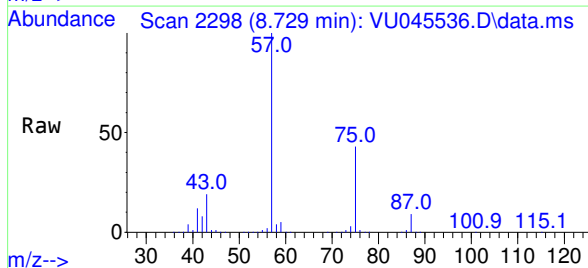




#59
2-Hexanone
Concen: 168.20 ug/l
RT: 8.729 min Scan# 2
Delta R.T. 0.042 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

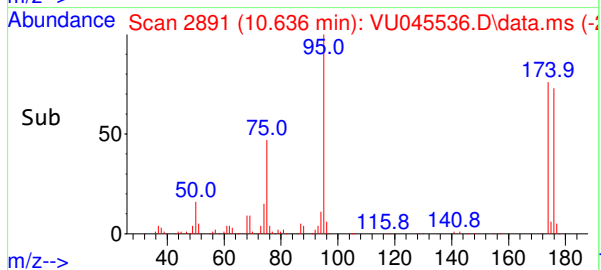
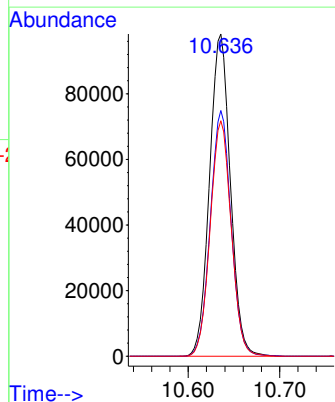
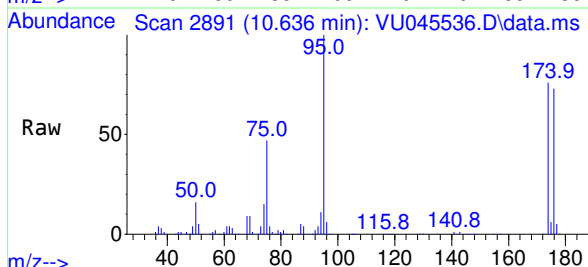
Instrument :
MSVOA_U
ClientSampleId :

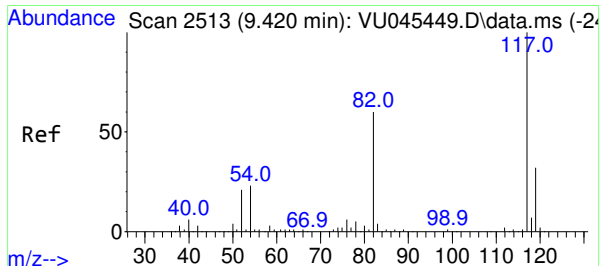
Tgt Ion: 43 Resp: 409358
Ion Ratio Lower Upper
43 100
58 19.9 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 58.55 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 95 Resp: 155619
Ion Ratio Lower Upper
95 100
174 76.2 0.0 141.8
176 73.6 0.0 138.2

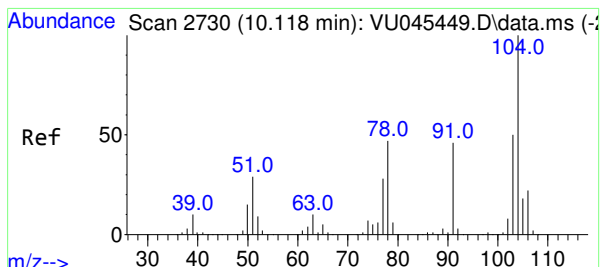
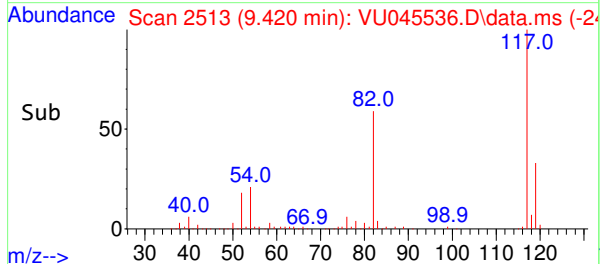
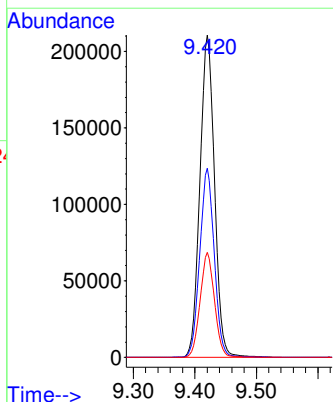
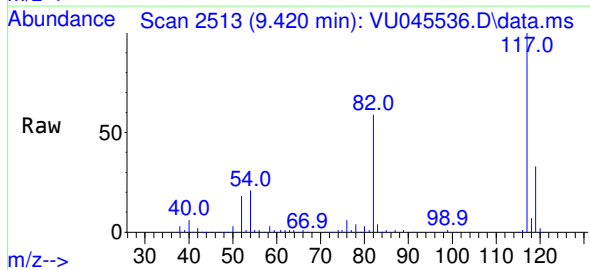




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

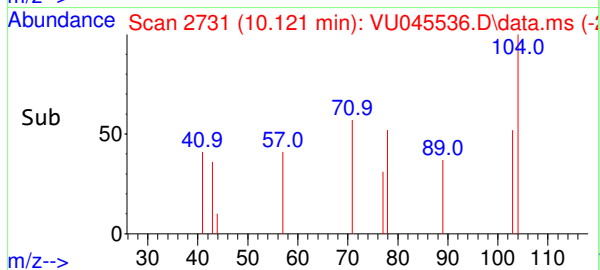
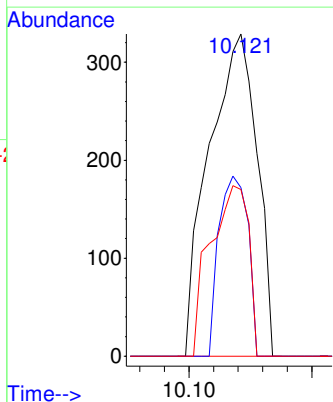
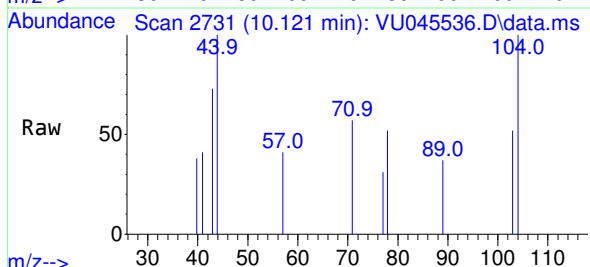
Instrument :
MSVOA_U
ClientSampleId :

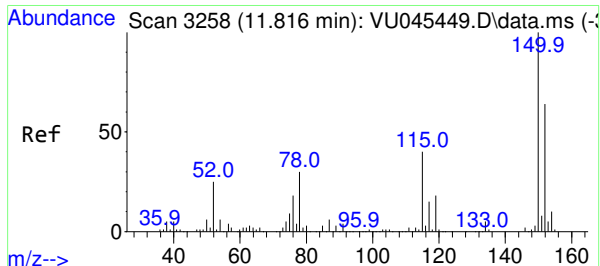
Tgt Ion:117 Resp: 347273
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 32.5 25.8 38.8



#70
Styrene
Concen: 1.03 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:104 Resp: 444
Ion Ratio Lower Upper
104 100
78 33.8 41.8 62.6#
103 42.1 43.8 65.6#

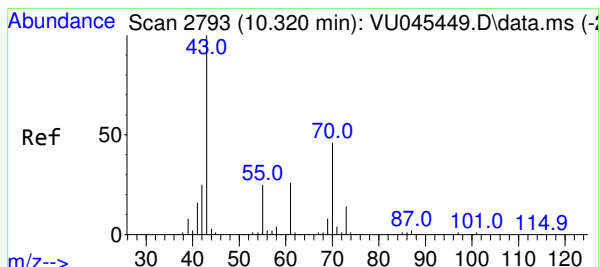
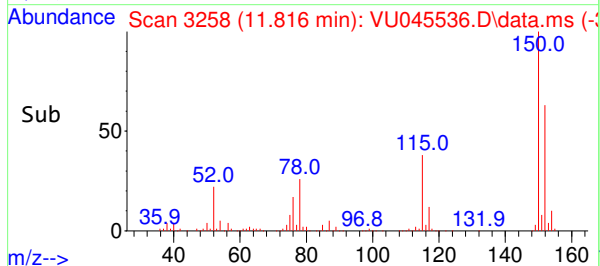
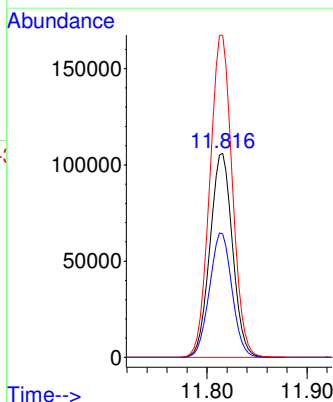
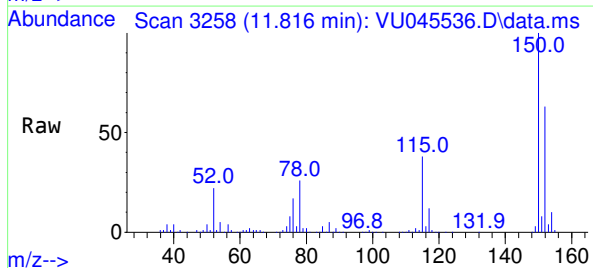




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.816 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

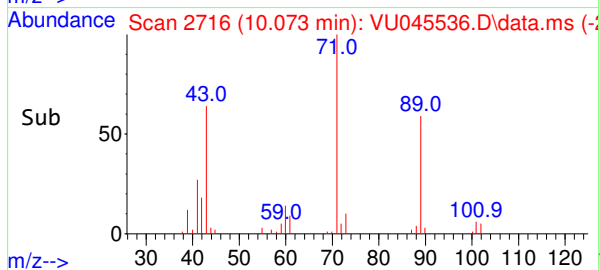
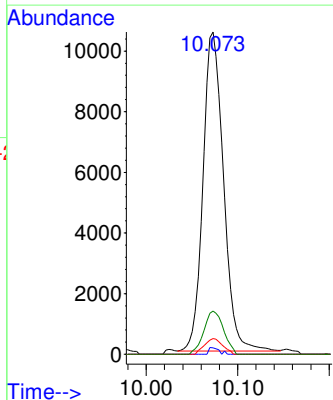
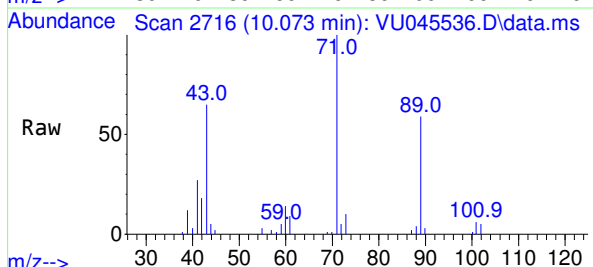
Instrument :
MSVOA_U
ClientSampleId :

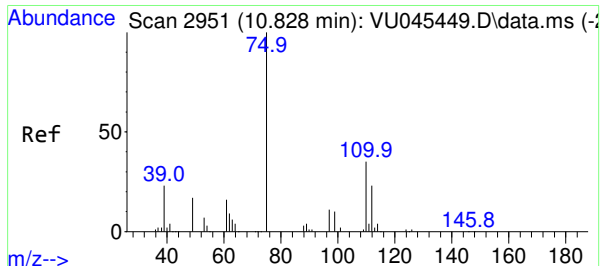
Tgt Ion:	152	Resp:	166606
Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.7	128.1
150	157.6	0.0	346.8



#74
N-ethyl acetate
Concen: 3.91 ug/l
RT: 10.073 min Scan# 2716
Delta R.T. -0.247 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:	43	Resp:	16423
Ion	Ratio	Lower	Upper
43	100		
70	1.0	36.9	55.3#
55	4.4	20.6	31.0#
61	13.0	20.5	30.7#

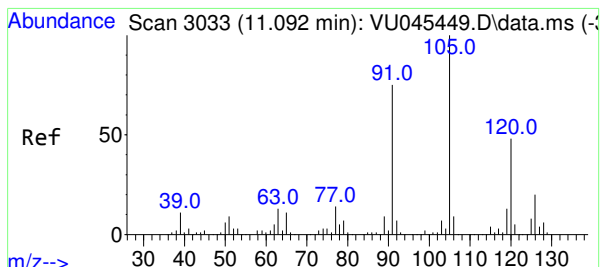
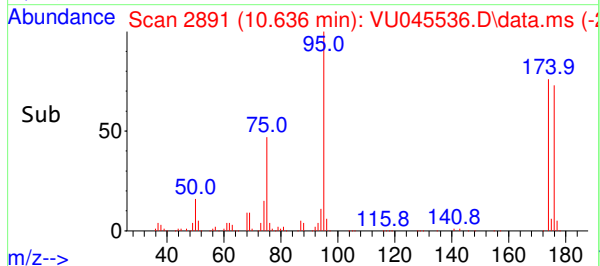
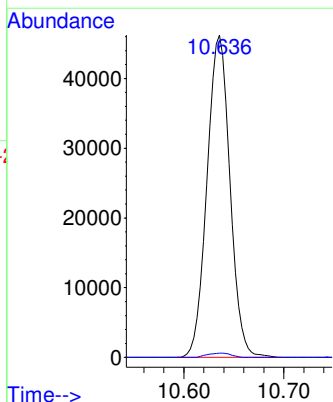
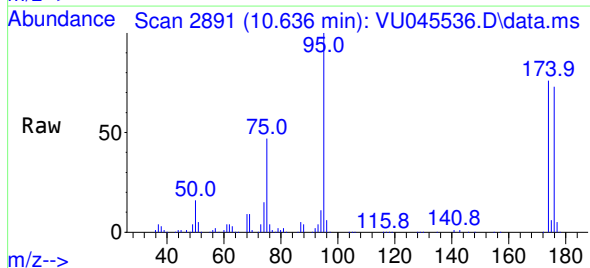




#76
1,2,3-Trichloropropane
Concen: 16.67 ug/l
RT: 10.636 min Scan# 2
Delta R.T. -0.193 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

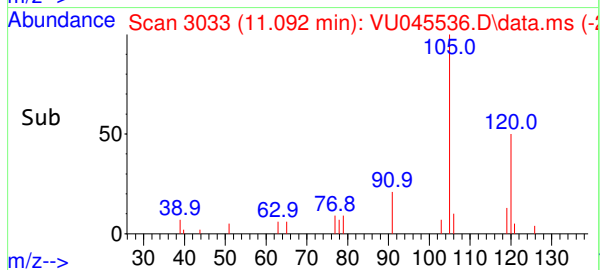
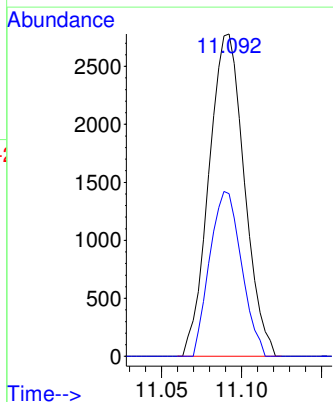
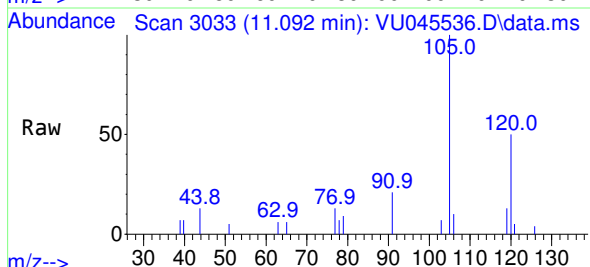
Instrument :
MSVOA_U
ClientSampleId :

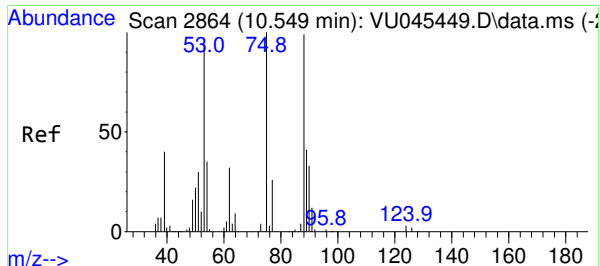
Tgt Ion: 75 Resp: 73993
Ion Ratio Lower Upper
75 100
77 1.4 17.1 51.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.45 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:105 Resp: 4284
Ion Ratio Lower Upper
105 100
120 45.9 23.9 71.8

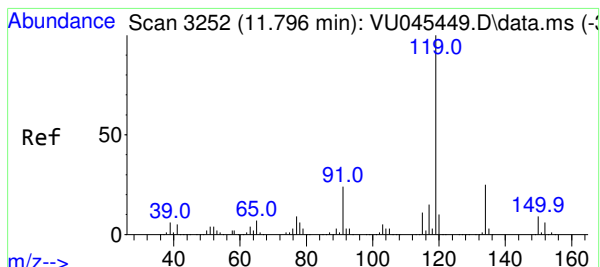
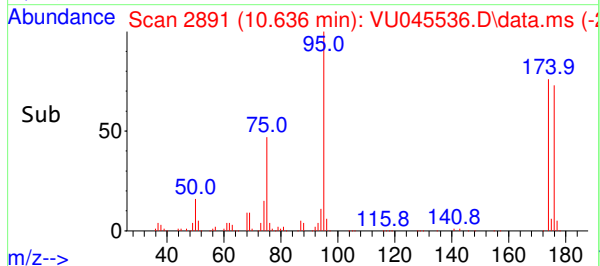
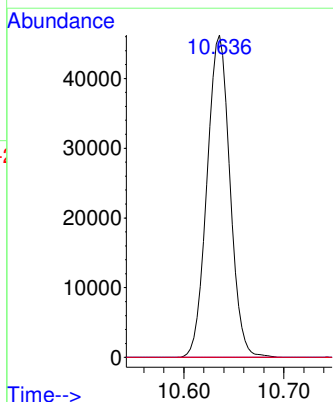
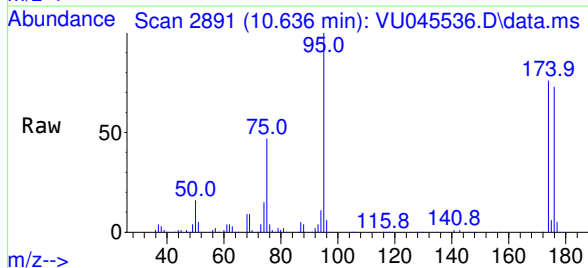




#81
trans-1,4-Dichloro-2-butene
Concen: 46.75 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

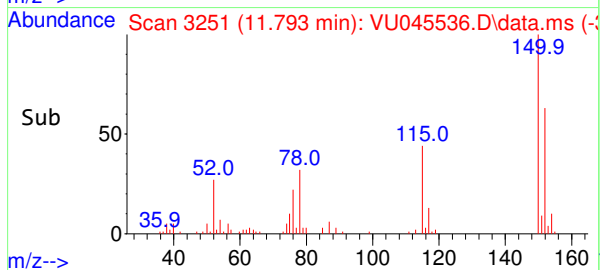
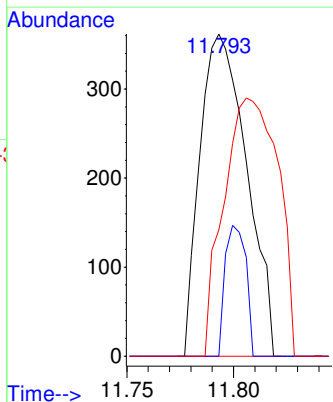
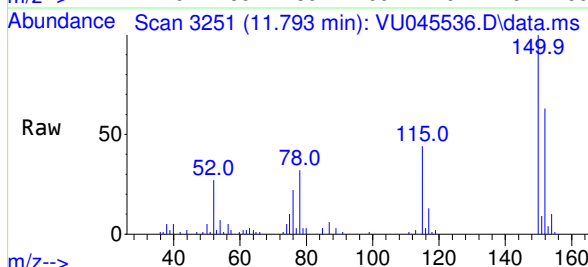
Instrument :
MSVOA_U
ClientSampleId :

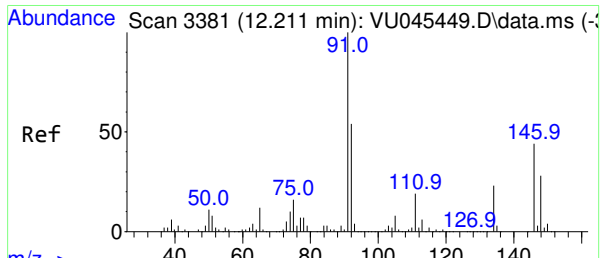
Tgt Ion: 75 Resp: 73993
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#86
p-Isopropyltoluene
Concen: 0.24 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. -0.003 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion: 119 Resp: 550
Ion Ratio Lower Upper
119 100
134 18.0 12.7 38.1
91 93.1 12.2 36.4#

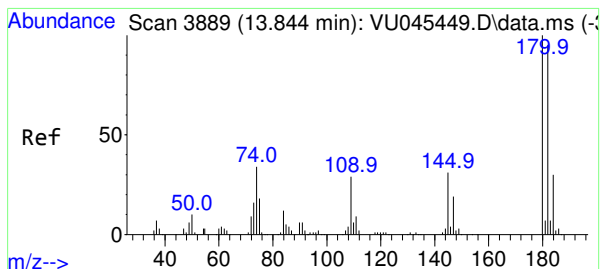
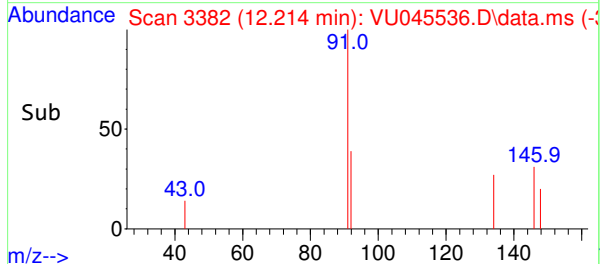
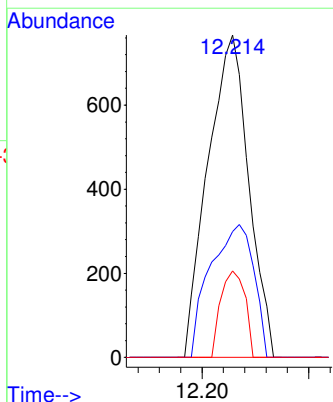
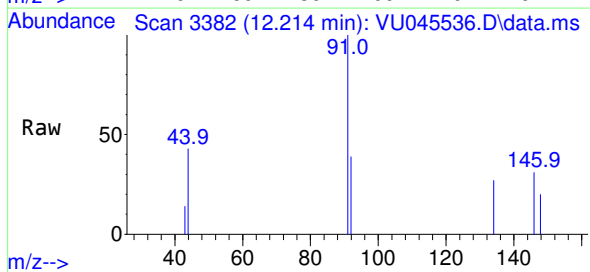




#89
n-Butylbenzene
Concen: 1.03 ug/l
RT: 12.214 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

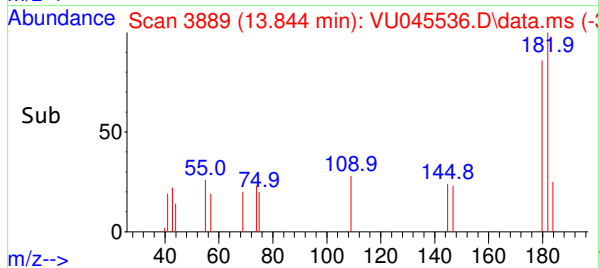
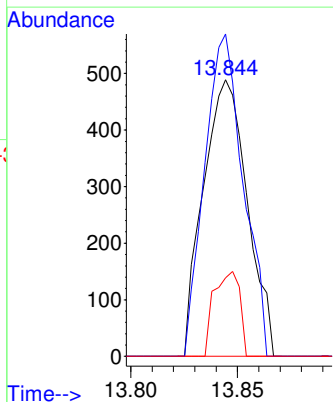
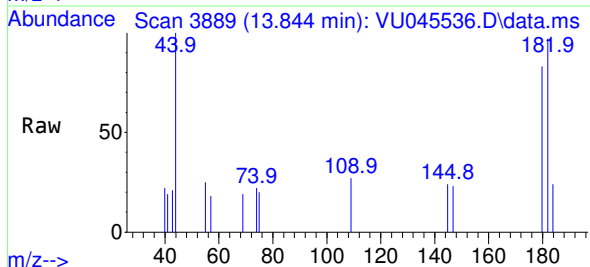
Instrument :
MSVOA_U
ClientSampleId :

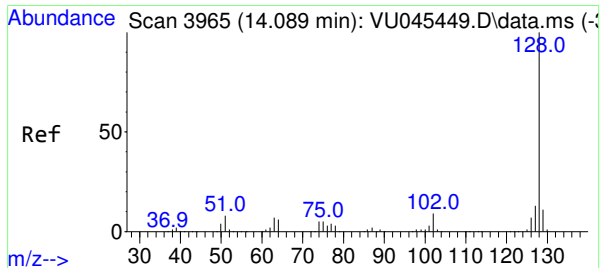
Tgt Ion:	91	Resp:	1016
Ion	Ratio	Lower	Upper
91	100		
92	44.1	27.1	81.2
134	15.8	11.8	35.4



#93
1,2,4-Trichlorobenzene
Concen: 0.20 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Tgt Ion:	180	Resp:	702
Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.0	141.2
145	17.8	15.6	46.7





#95
Naphthalene
Concen: 0.24 ug/l
RT: 14.089 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU045536.D
Acq: 03 Nov 2021 21:42

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1986
Ion Ratio Lower Upper
128 100
127 10.8 10.6 15.8
129 4.5 8.6 13.0#

