

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043208.D
 Acq On : 19 Apr 2021 20:39
 Operator : SY/MD
 Sample : PB135814ZHE#11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

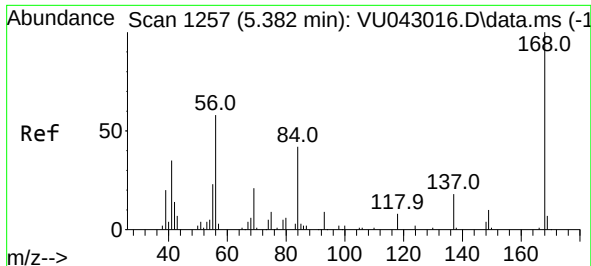
Quant Time: Apr 20 03:00:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	122834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	210776	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	204275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	95125	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	103392	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
35) Dibromofluoromethane	5.298	113	72007	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
50) Toluene-d8	7.906	98	267413	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	10.639	95	94153	41.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.90%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	429	Below Cal	#	41
11) Tert butyl alcohol	3.195	59	837	1.57 ug/l	#	94
16) Acetone	2.636	43	31332	25.51 ug/l		96
18) Methyl Acetate	2.954	43	5528	2.14 ug/l		93
20) Methylene Chloride	3.054	84	4543	3.10 ug/l		91
25) 2-Butanone	4.713	43	4410	2.35 ug/l		100
29) Tetrahydrofuran	5.057	42	261	0.22 ug/l	#	59
31) Cyclohexane	5.379	56	3085	1.21 ug/l	#	22
36) 1,1-Dichloropropene	5.382	75	10103	4.52 ug/l	#	50
37) Ethyl Acetate	4.713	43	4410	1.15 ug/l	#	71
38) Carbon Tetrachloride	5.382	117	11919	4.97 ug/l	#	17
43) Isopropyl Acetate	5.919	43	19389	3.56 ug/l		95
45) 1,2-Dichloropropane	7.044	63	1095	0.62 ug/l	#	43
48) Methyl methacrylate	6.899	41	6858	2.51 ug/l	#	17
51) 4-Methyl-2-Pentanone	7.796	43	5164	1.28 ug/l		95
54) cis-1,3-Dichloropropene	7.745	75	22441	8.01 ug/l	#	70
56) Ethyl methacrylate	8.578	69	839	0.30 ug/l	#	1
57) 1,3-Dichloropropane	8.732	76	14398	4.90 ug/l	#	43
59) 2-Hexanone	8.732	43	266497	80.22 ug/l	#	53
74) N-amyl acetate	10.247	43	942	0.23 ug/l	#	48
76) 1,2,3-Trichloropropane	10.639	75	54241	19.51 ug/l	#	36
81) trans-1,4-Dichloro-2-b...	10.639	75	54241	57.34 ug/l	#	7

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

Quant Time: Apr 20 03:00:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

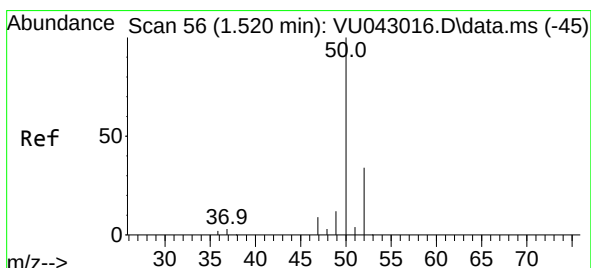
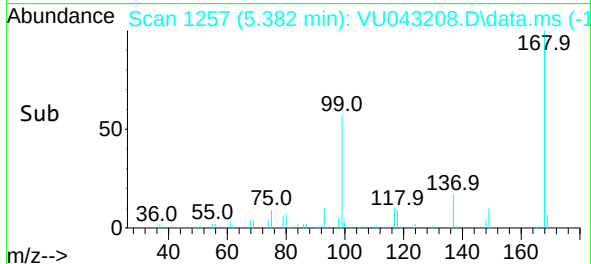
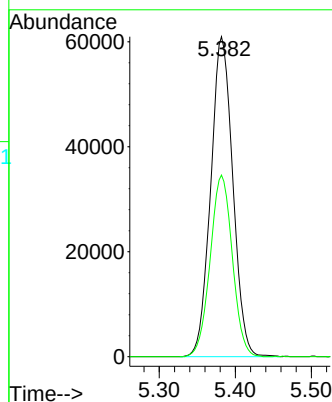
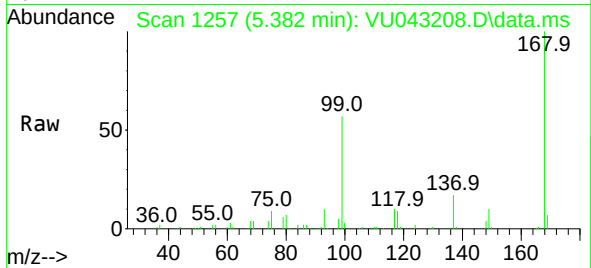




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

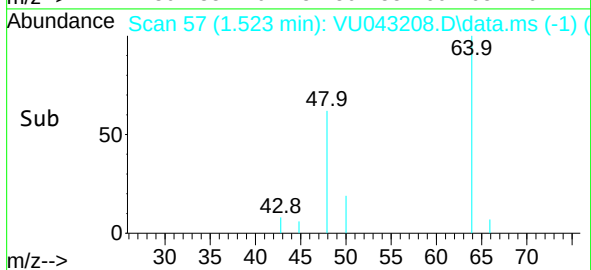
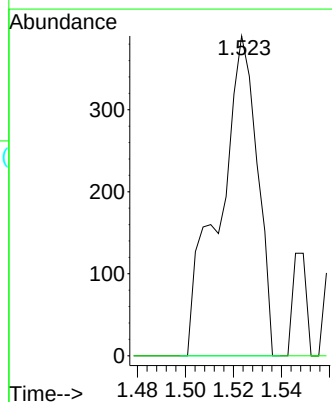
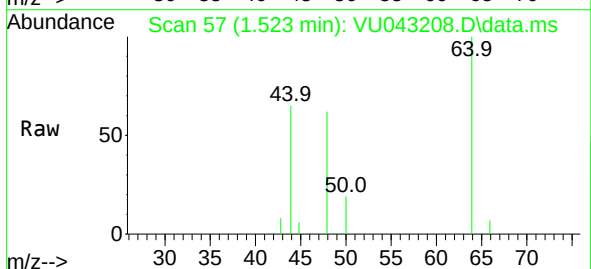
Instrument :
MSVOA_U
ClientSampled :

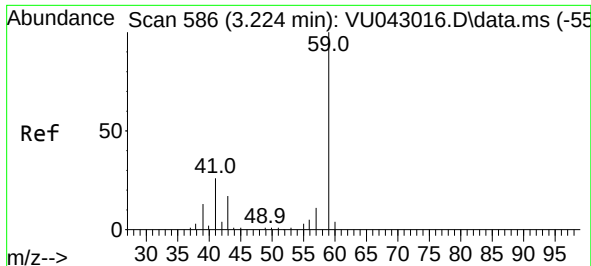
Tgt Ion:168 Resp: 122834
Ion Ratio Lower Upper
168 100
99 56.8 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

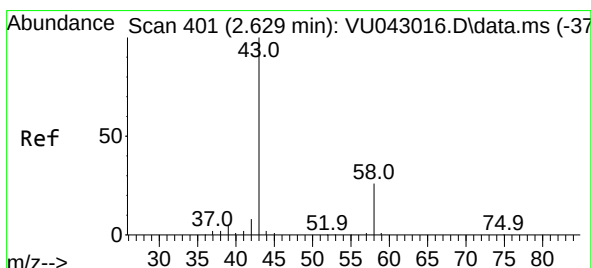
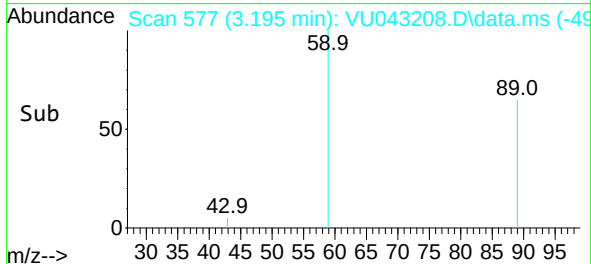
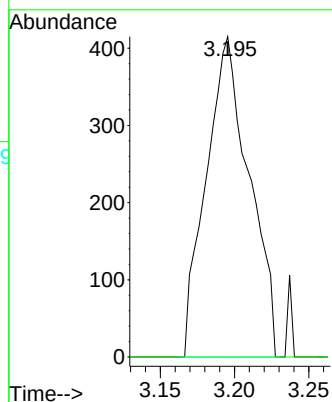
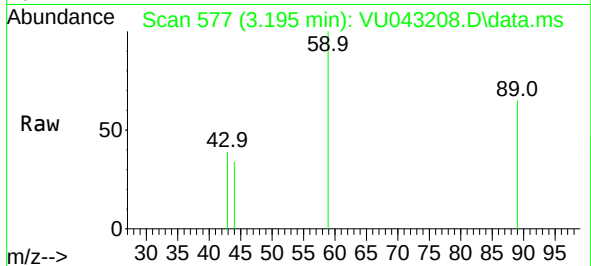




#11
Tert butyl alcohol
Concen: 1.57 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.029 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

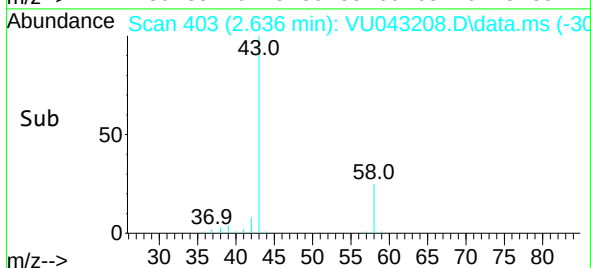
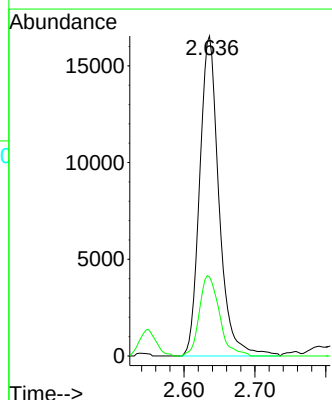
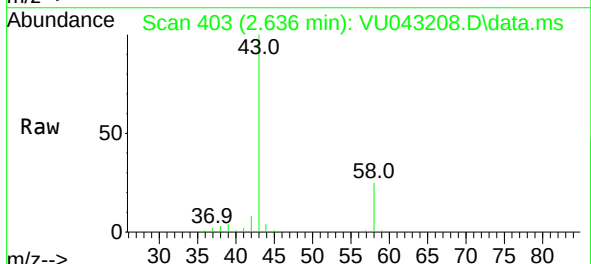
Instrument :
MSVOA_U
ClientSampled :

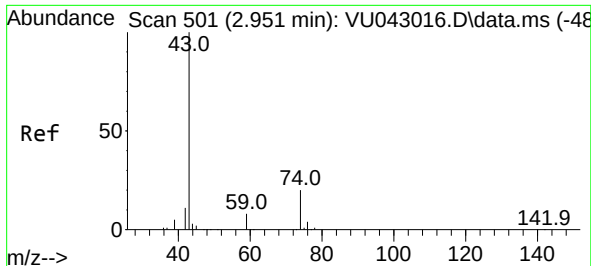
Tgt Ion: 59 Resp: 837
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 25.51 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.007 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

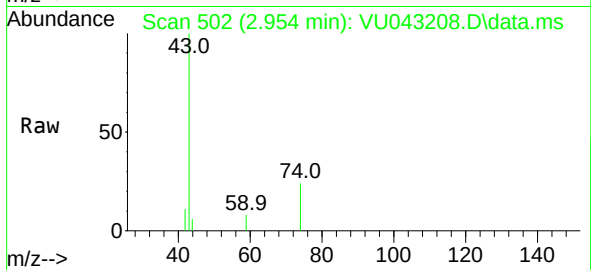
Tgt Ion: 43 Resp: 31332
Ion Ratio Lower Upper
43 100
58 24.7 21.5 32.3



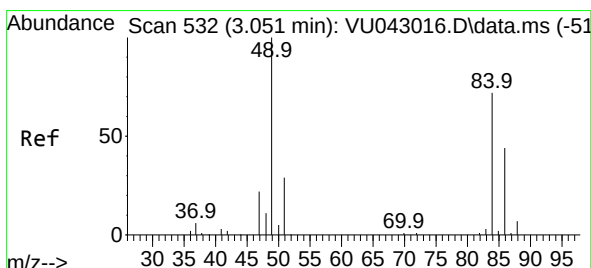
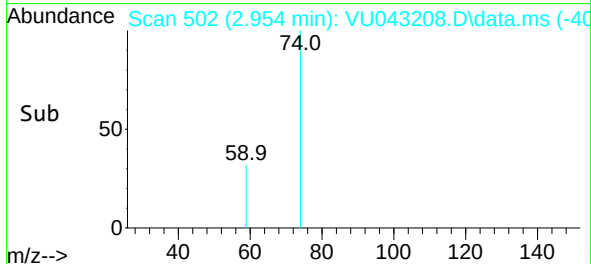
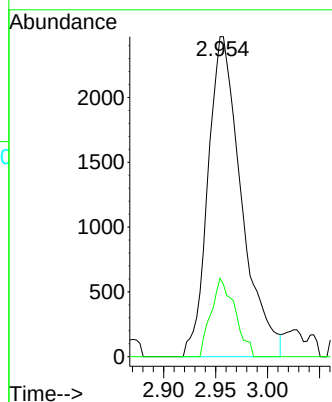


#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Instrument :
MSVOA_U
ClientSampled :

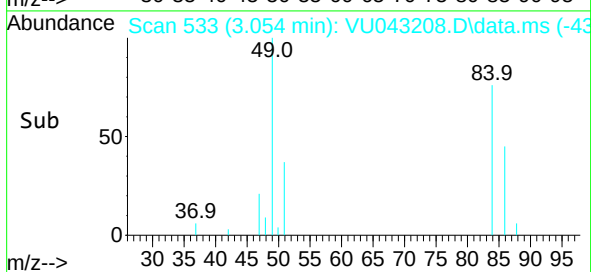
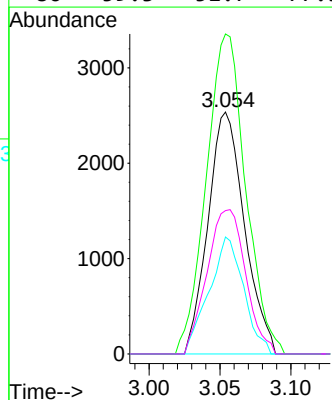
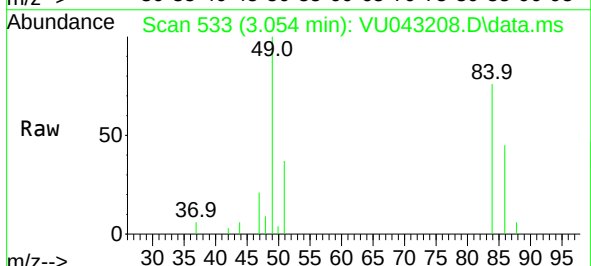


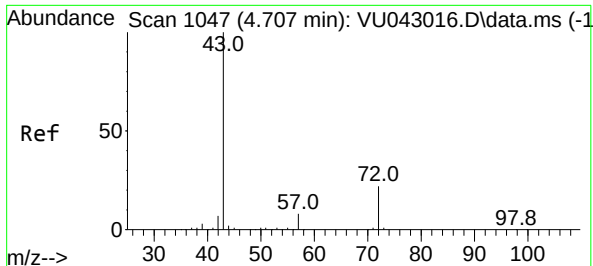
Tgt Ion: 43 Resp: 5528
Ion Ratio Lower Upper
43 100
74 17.4 16.6 25.0



#20
Methylene Chloride
Concen: 3.10 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 84 Resp: 4543
Ion Ratio Lower Upper
84 100
49 128.2 112.6 169.0
51 48.3 33.7 50.5
86 59.3 51.7 77.5

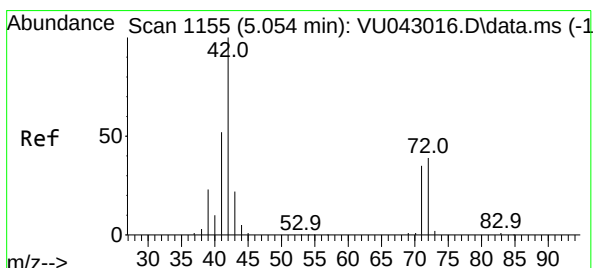
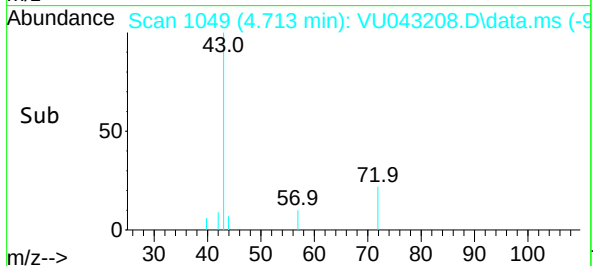
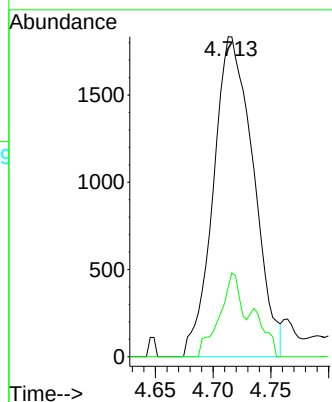
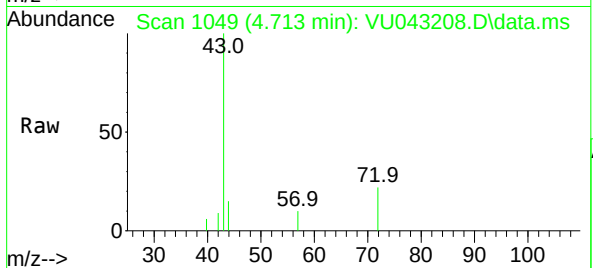




#25
2-Butanone
Concen: 2.35 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

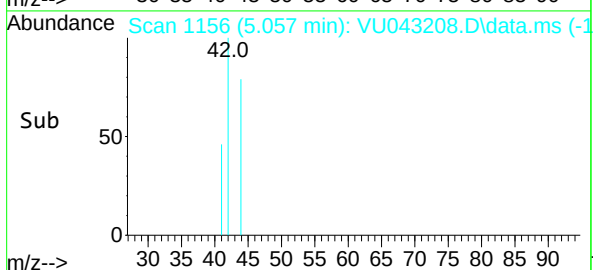
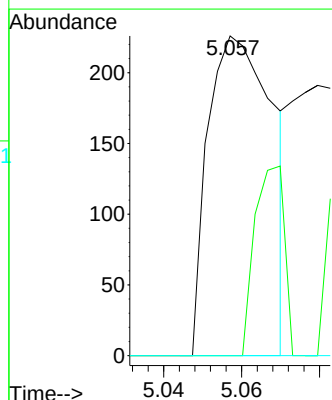
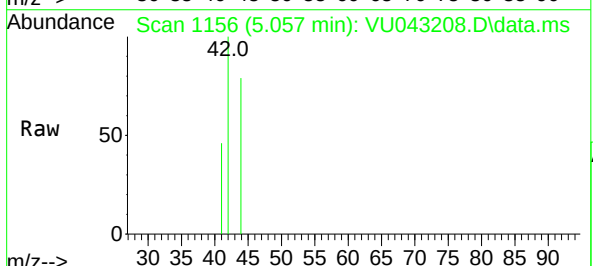
Instrument :
MSVOA_U
ClientSampled :

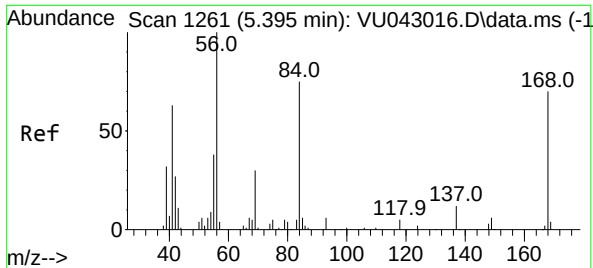
Tgt Ion: 43 Resp: 4410
Ion Ratio Lower Upper
43 100
72 21.7 17.4 26.0



#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 5.057 min Scan# 1156
Delta R.T. 0.003 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 42 Resp: 261
Ion Ratio Lower Upper
42 100
72 26.8 31.5 47.3#
71 0.0 29.5 44.3#

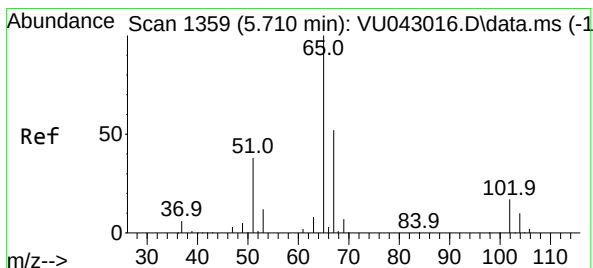
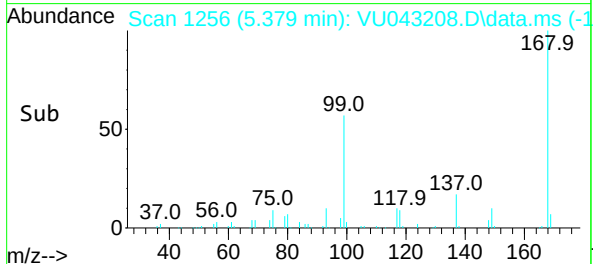
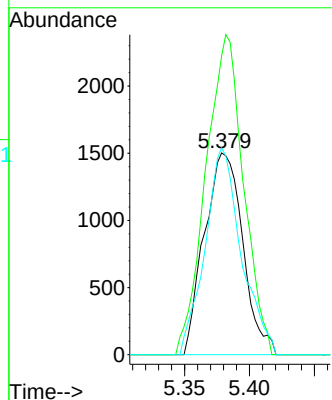
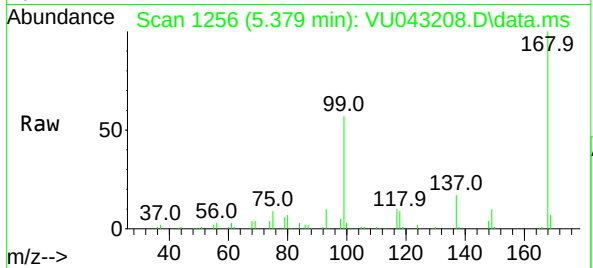




#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

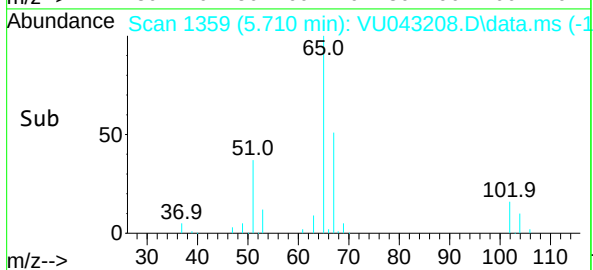
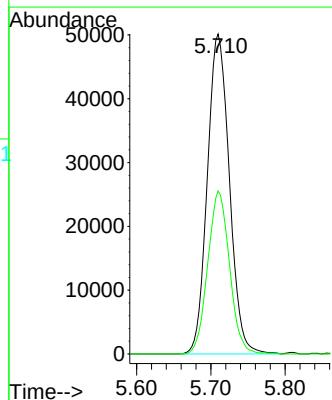
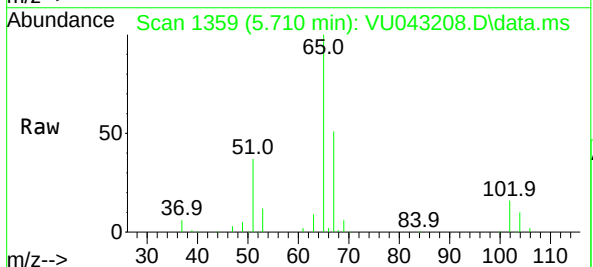
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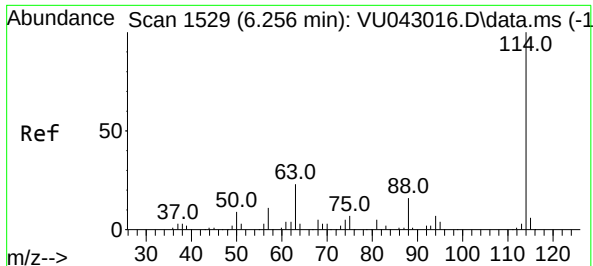
Tgt Ion: 56 Resp: 3085
Ion Ratio Lower Upper
56 100
69 148.1 24.9 37.3#
84 102.5 63.7 95.5#



#33
1,2-Dichloroethane-d4
Concen: 50.07 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 65 Resp: 103392
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.8

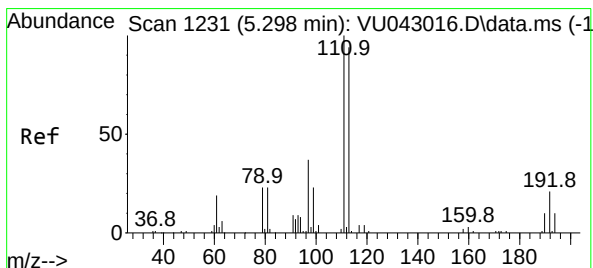
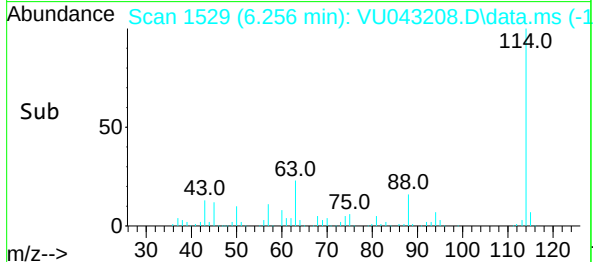
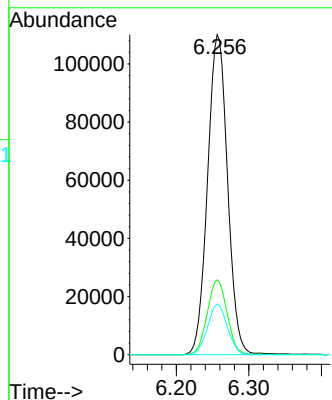
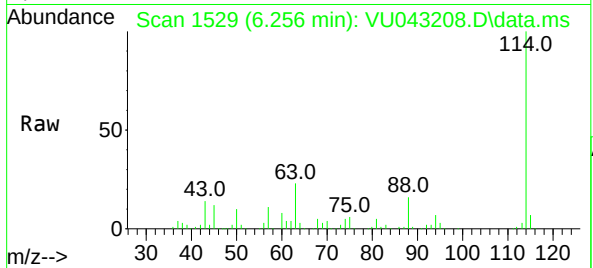




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

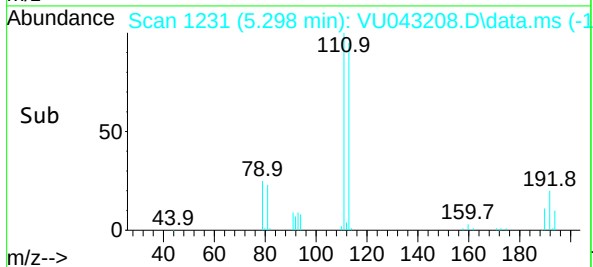
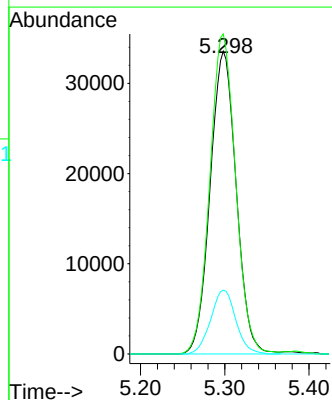
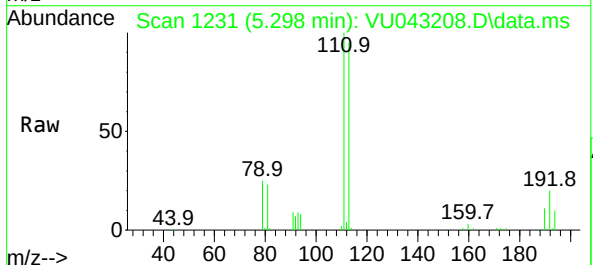
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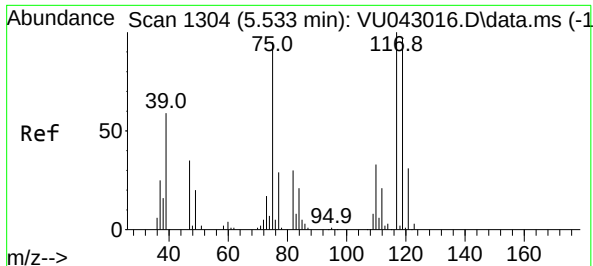
Tgt Ion:114 Resp: 210776
Ion Ratio Lower Upper
114 100
63 23.4 0.0 44.2
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.46 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion:113 Resp: 72007
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.8
192 20.4 17.2 25.8

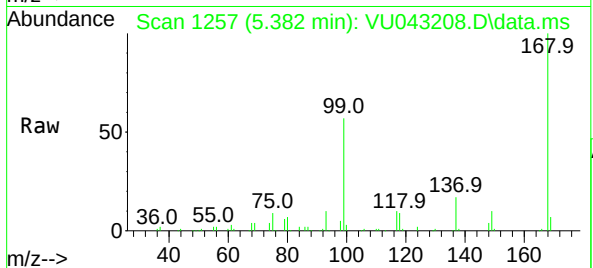




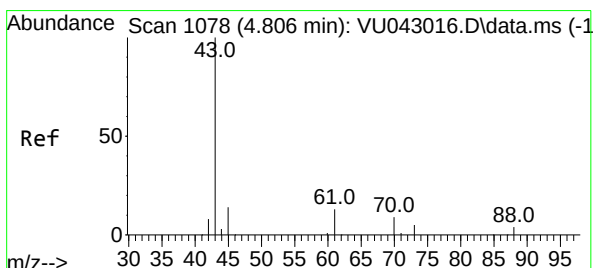
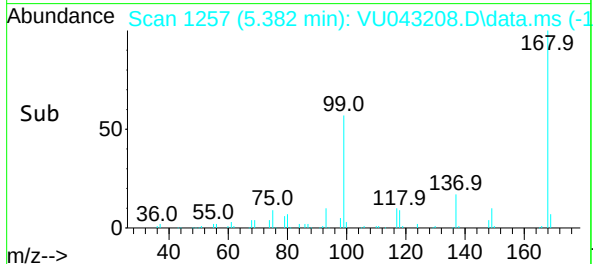
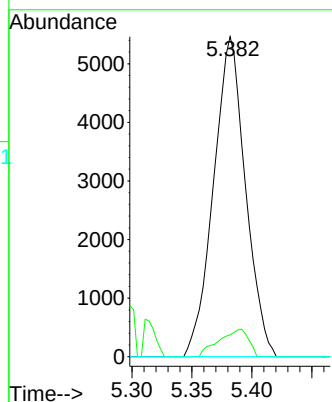
#36

1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Instrument :
MSVOA_U
ClientSampled :

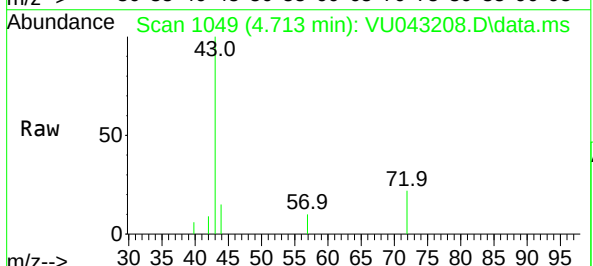


Tgt Ion:	75	Resp:	10103
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.8	50.3#
77	0.0	24.8	37.2#

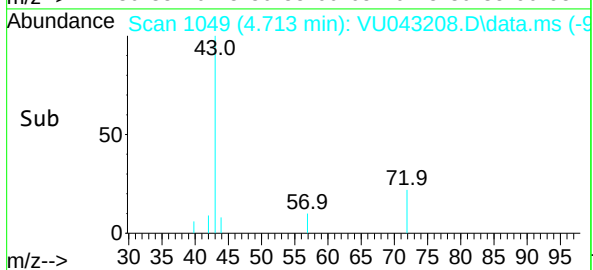
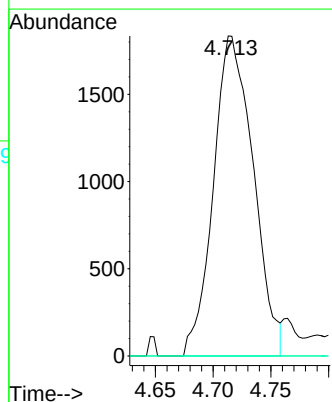


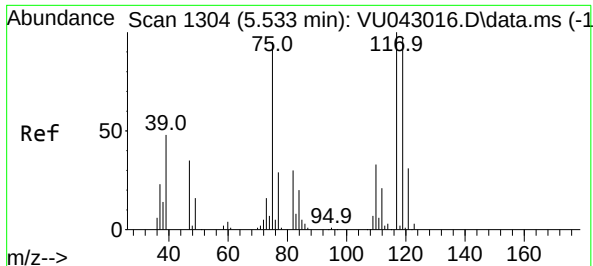
#37

Ethyl Acetate
Concen: 1.15 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39



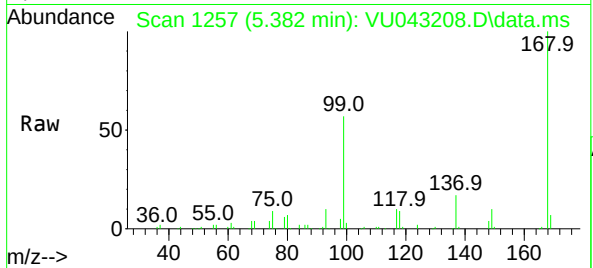
Tgt Ion:	43	Resp:	4410
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.2	10.8#



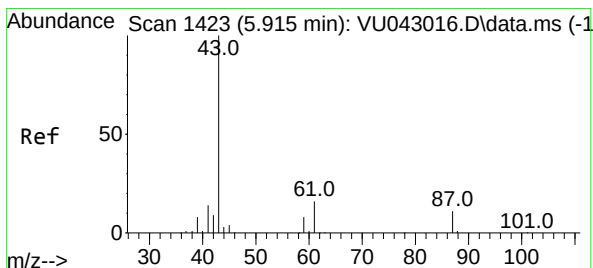
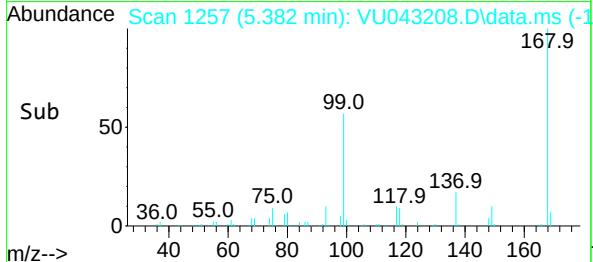
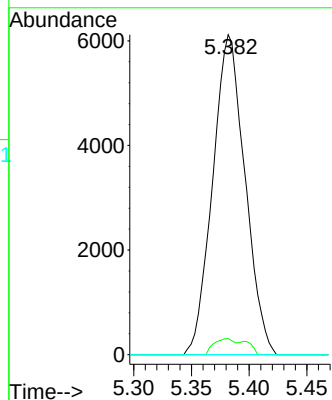


#38
Carbon Tetrachloride
Concen: 4.97 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Instrument :
MSVOA_U
ClientSampled :

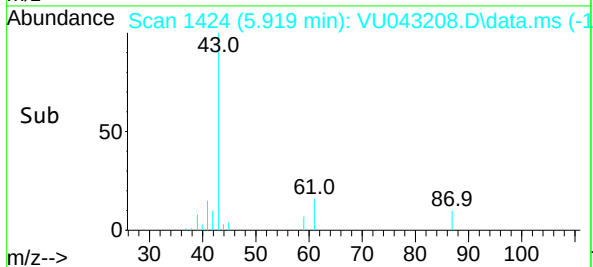
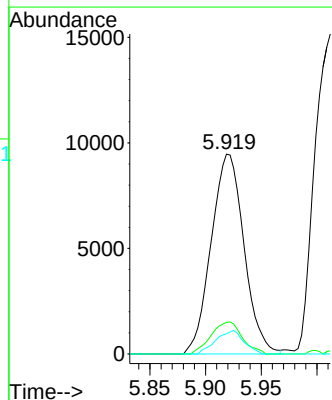
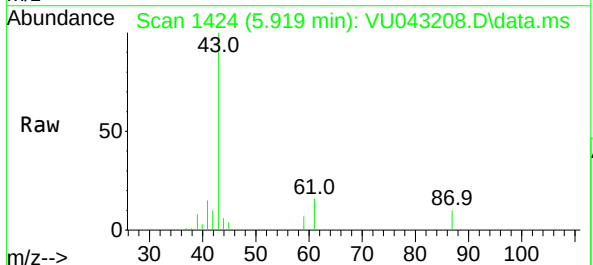


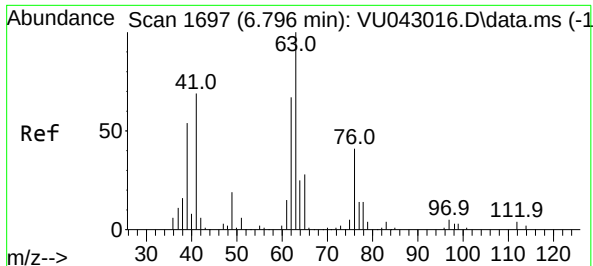
Tgt Ion:117 Resp: 11919
Ion Ratio Lower Upper
117 100
119 5.0 75.5 113.3#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 3.56 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 43 Resp: 19389
Ion Ratio Lower Upper
43 100
61 15.2 14.4 21.6
87 10.0 8.8 13.2

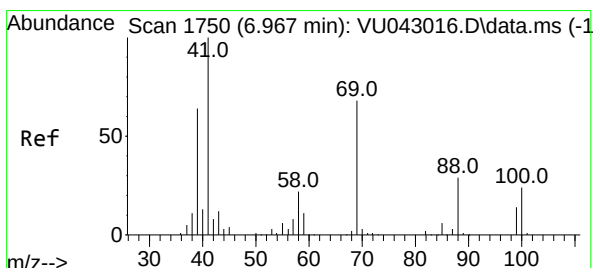
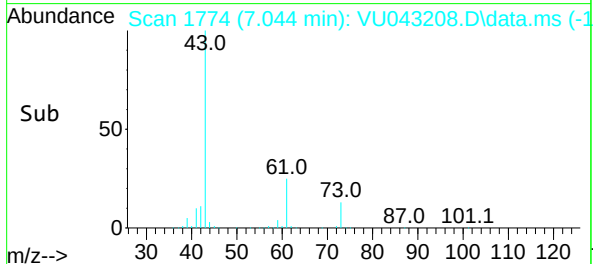
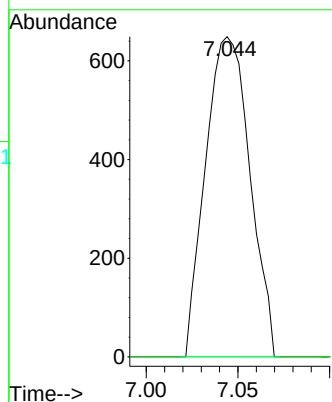
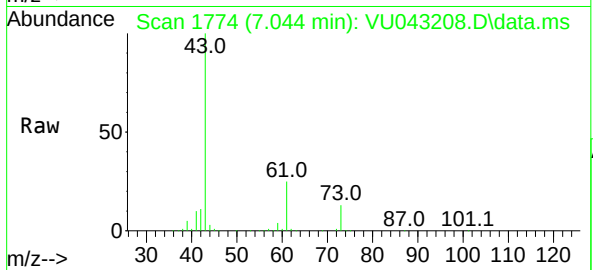




#45
1,2-Dichloropropane
Concen: 0.62 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

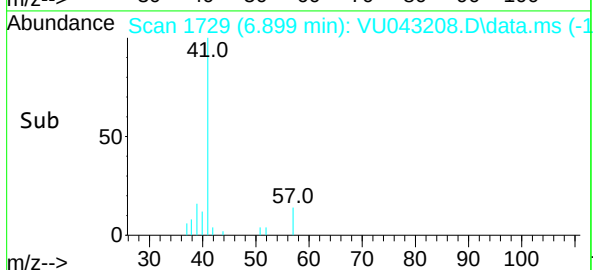
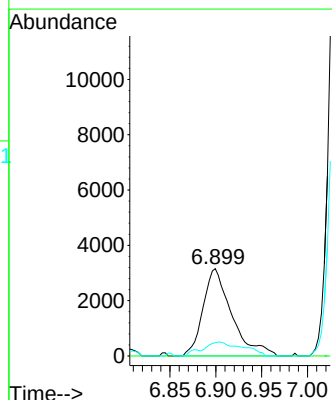
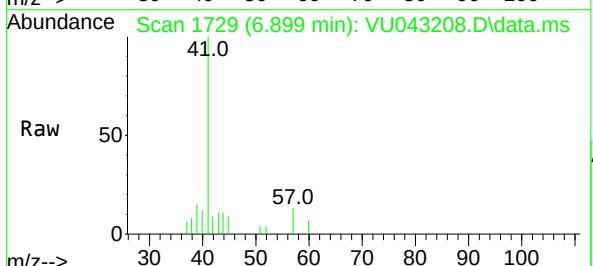
Instrument :
MSVOA_U
ClientSampled :

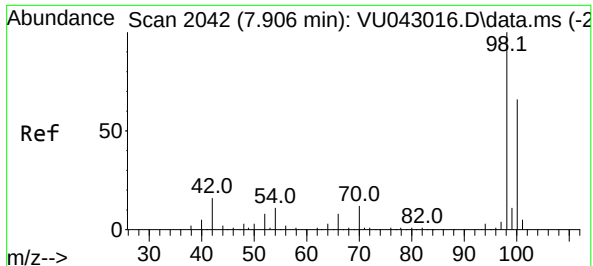
Tgt Ion: 63 Resp: 1095
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 2.51 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 41 Resp: 6858
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 0.0 48.4 72.6#

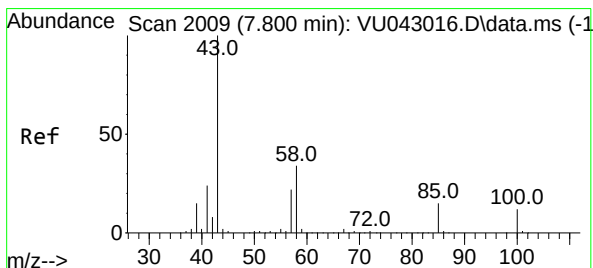
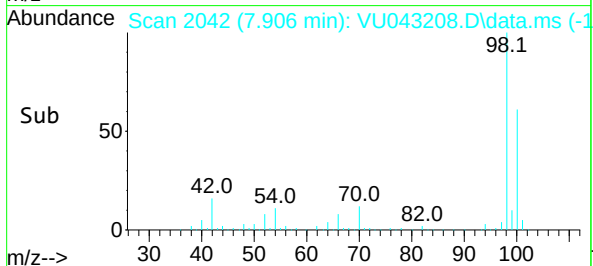
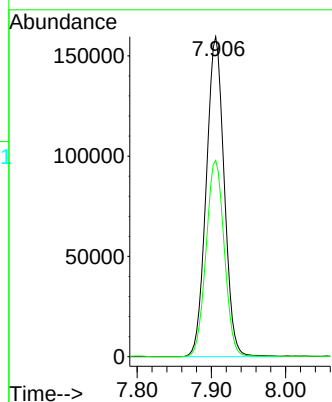
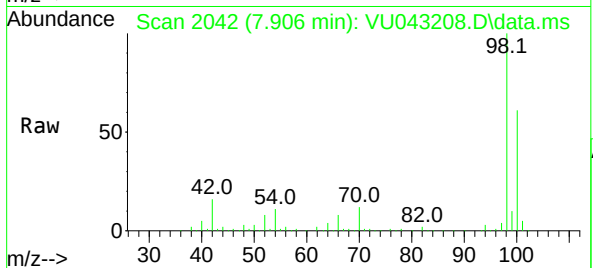




#50
Toluene-d8
Concen: 47.72 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

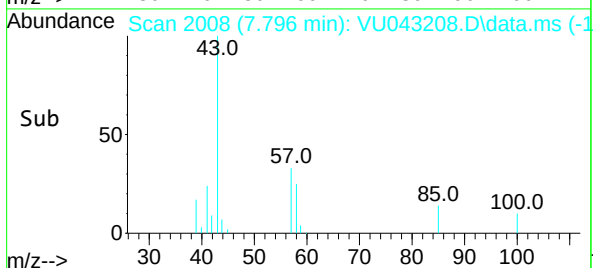
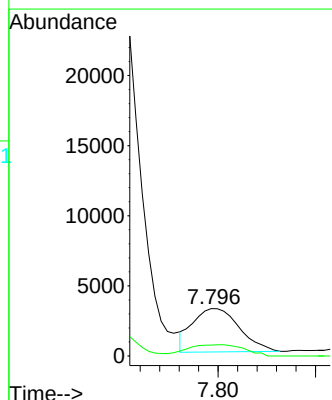
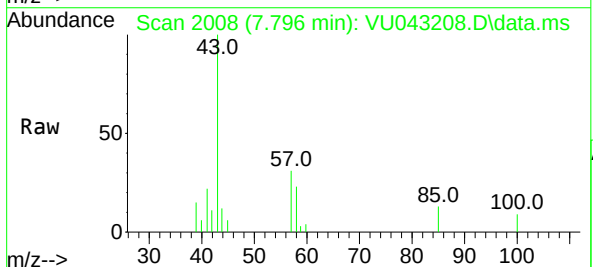
Instrument :
MSVOA_U
ClientSampled :

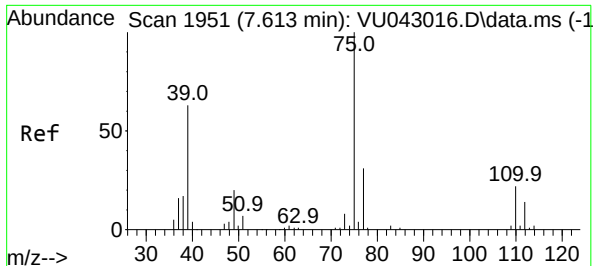
Tgt Ion: 98 Resp: 267413
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.28 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 43 Resp: 5164
Ion Ratio Lower Upper
43 100
58 31.9 28.1 42.1

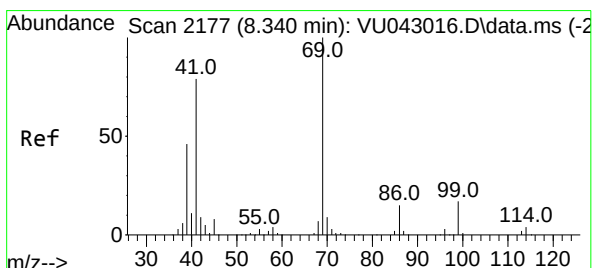
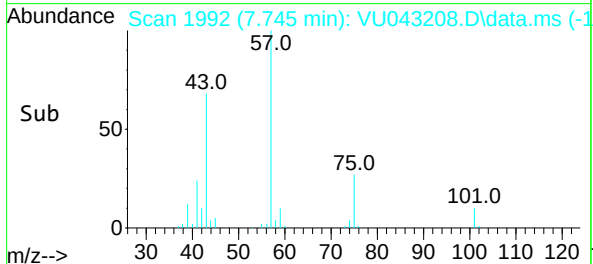
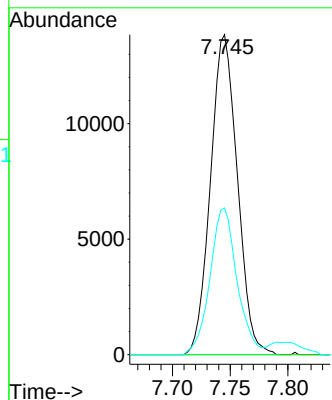
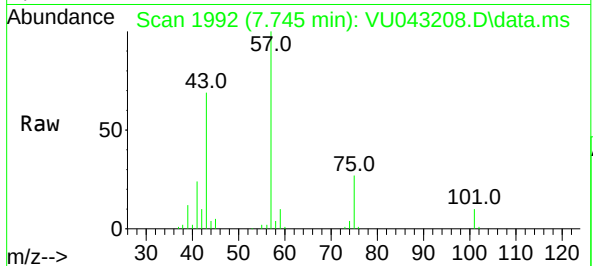




#54
cis-1,3-Dichloropropene
Concen: 8.01 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

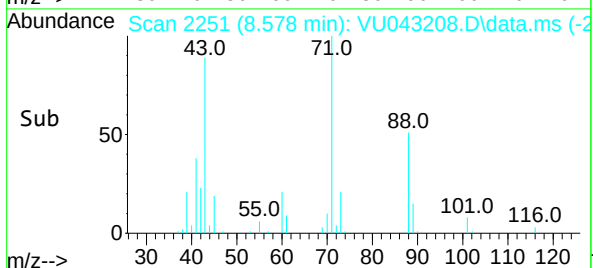
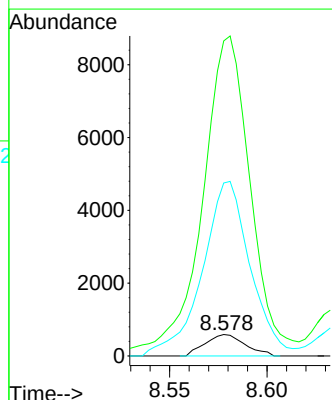
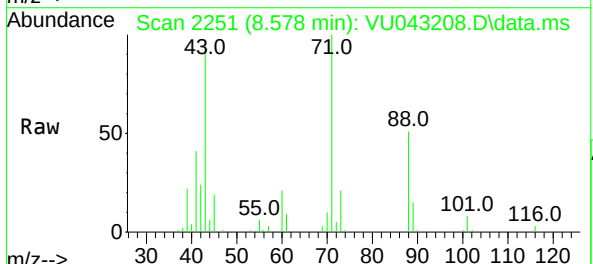
Instrument :
MSVOA_U
ClientSampled :

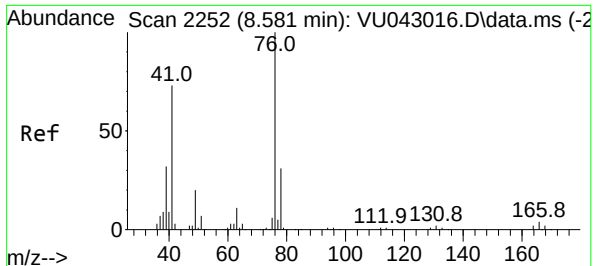
Tgt Ion: 75 Resp: 22441
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 45.8 46.1 69.1#



#56
Ethyl methacrylate
Concen: 0.30 ug/l
RT: 8.578 min Scan# 2251
Delta R.T. 0.238 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 69 Resp: 839
Ion Ratio Lower Upper
69 100
41 1684.0 62.8 94.2#
39 975.9 36.2 54.2#

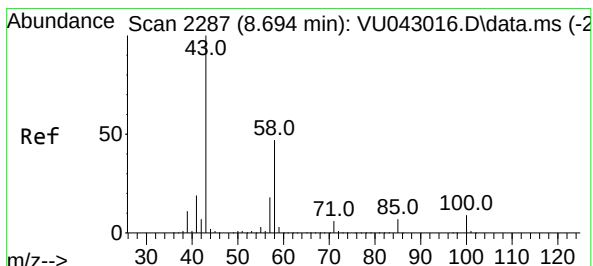
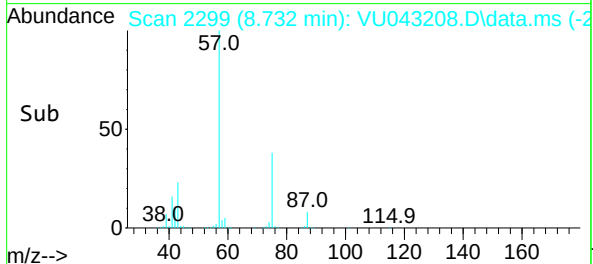
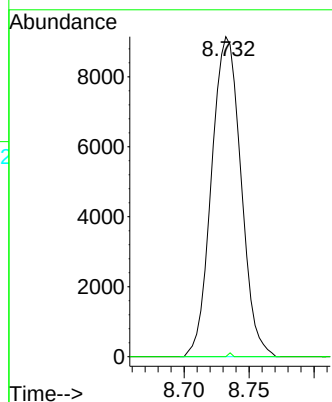
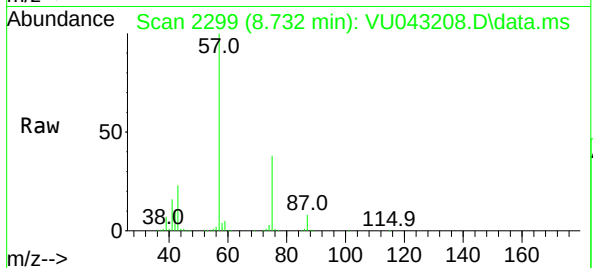




#57
1,3-Dichloropropane
Concen: 4.90 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

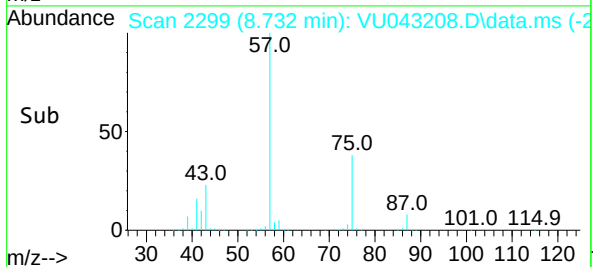
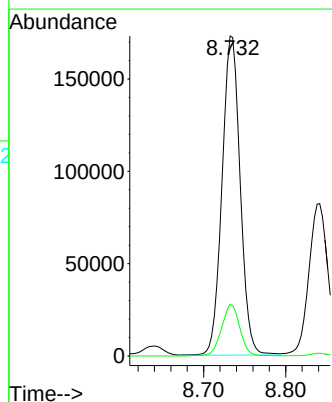
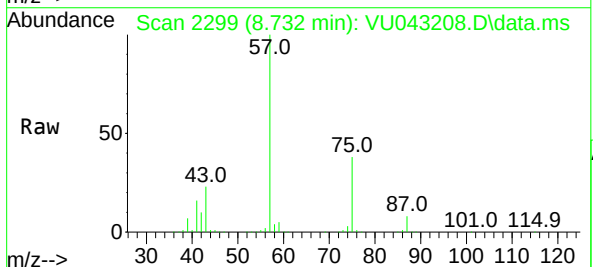
Instrument :
MSVOA_U
ClientSampled :

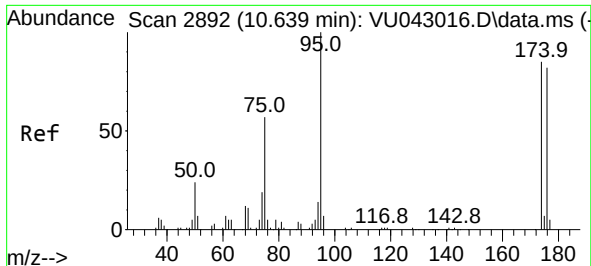
Tgt Ion: 76 Resp: 14398
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 80.22 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 43 Resp: 266497
Ion Ratio Lower Upper
43 100
58 16.5 24.0 72.0#

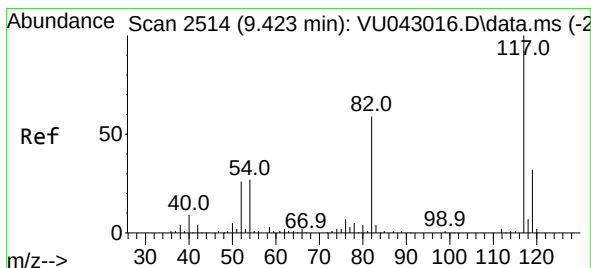
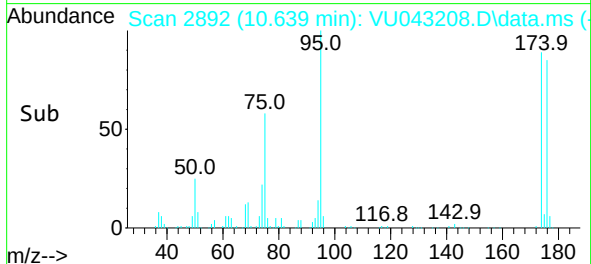
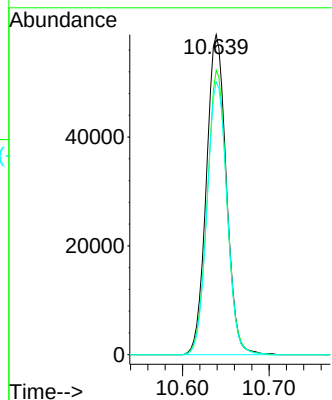
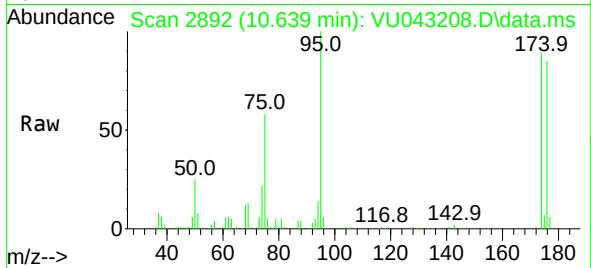




#62
4-Bromofluorobenzene
Concen: 41.95 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

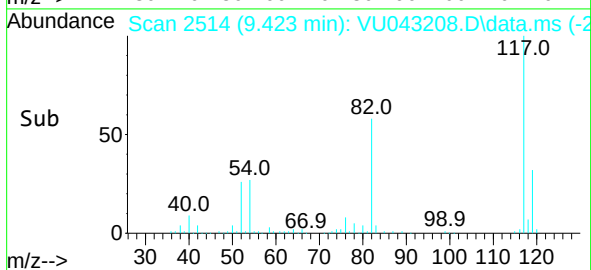
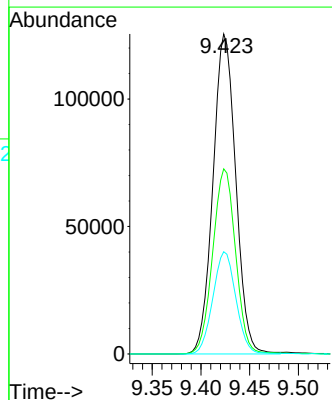
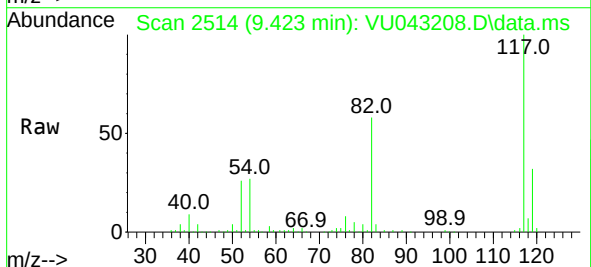
Instrument :
MSVOA_U
ClientSampleId :

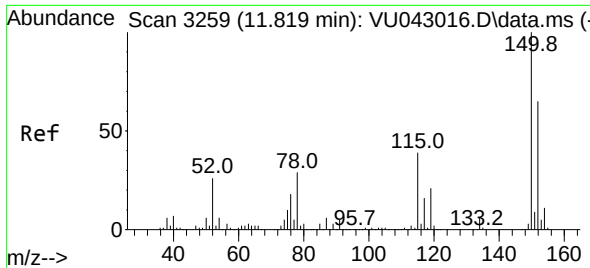
Tgt Ion: 95 Resp: 94153
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.2
176 85.6 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 117 Resp: 204275
Ion Ratio Lower Upper
117 100
82 57.8 45.8 68.6
119 31.9 25.8 38.8

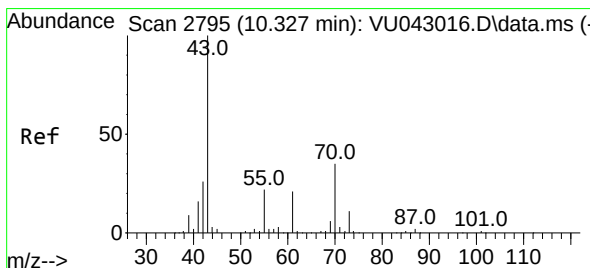
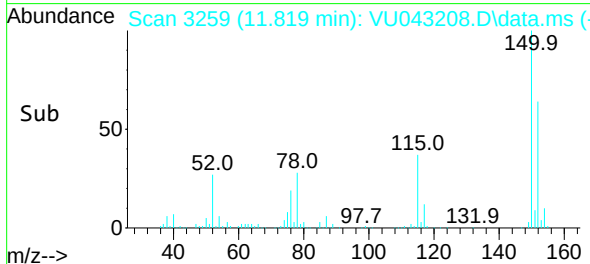
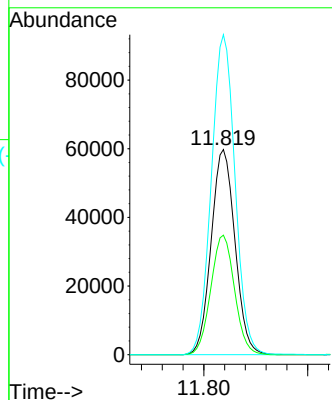
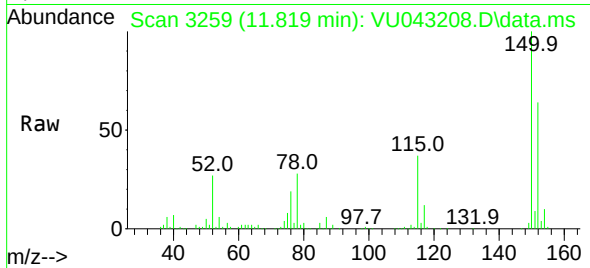




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

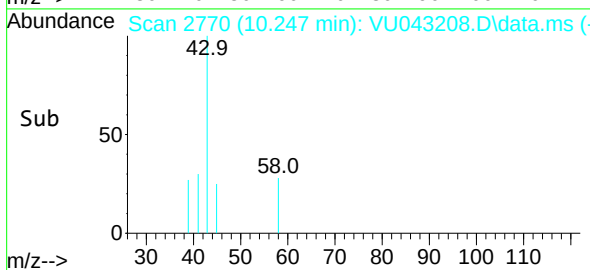
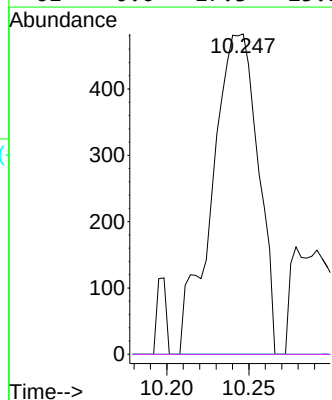
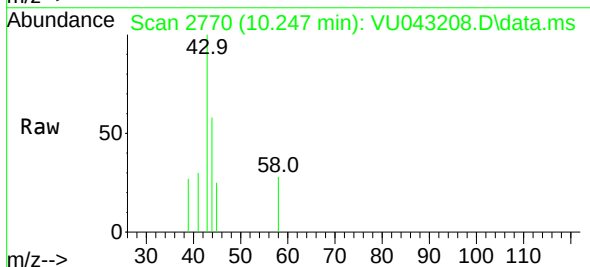
Instrument :
MSVOA_U
ClientSampleId :

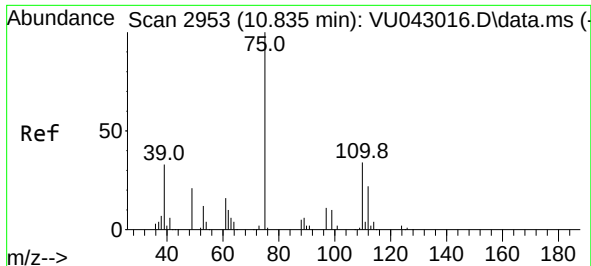
Tgt Ion:152 Resp: 95125
Ion Ratio Lower Upper
152 100
115 58.0 41.5 124.6
150 155.5 0.0 342.4



#74
N-ethyl acetate
Concen: 0.23 ug/l
RT: 10.247 min Scan# 2770
Delta R.T. -0.080 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
70 0.0 28.3 42.5#
55 0.0 17.2 25.8#
61 0.0 17.3 25.9#

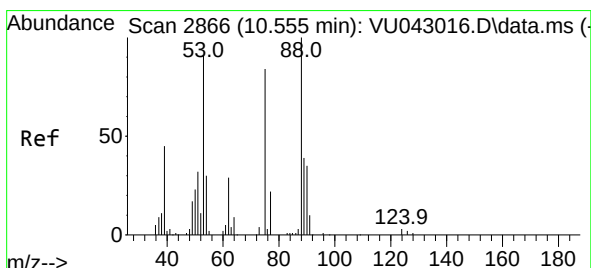
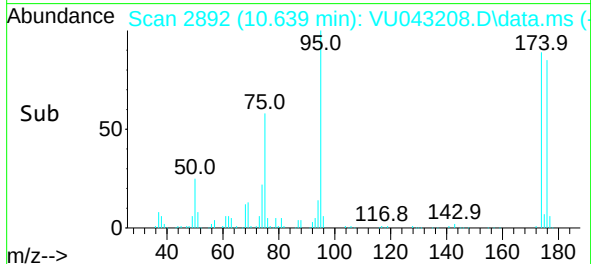
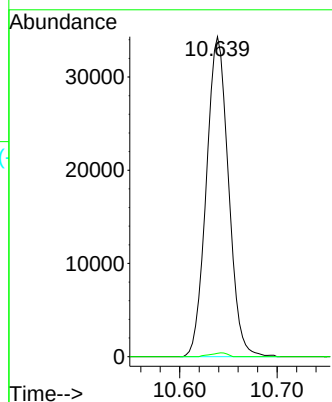
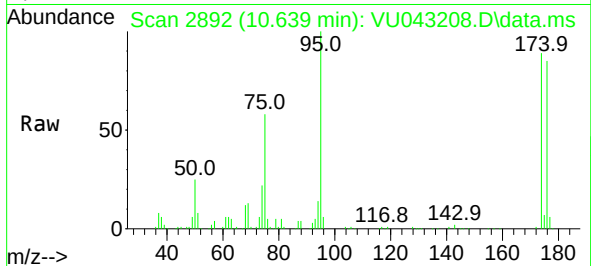




#76
1,2,3-Trichloropropane
Concen: 19.51 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 54241
Ion Ratio Lower Upper
75 100
77 0.9 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.34 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043208.D
Acq: 19 Apr 2021 20:39

Tgt Ion: 75 Resp: 54241
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

