

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044169.D
 Acq On : 10 Jun 2021 20:28
 Operator : SY/MD
 Sample : M2658-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:22:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

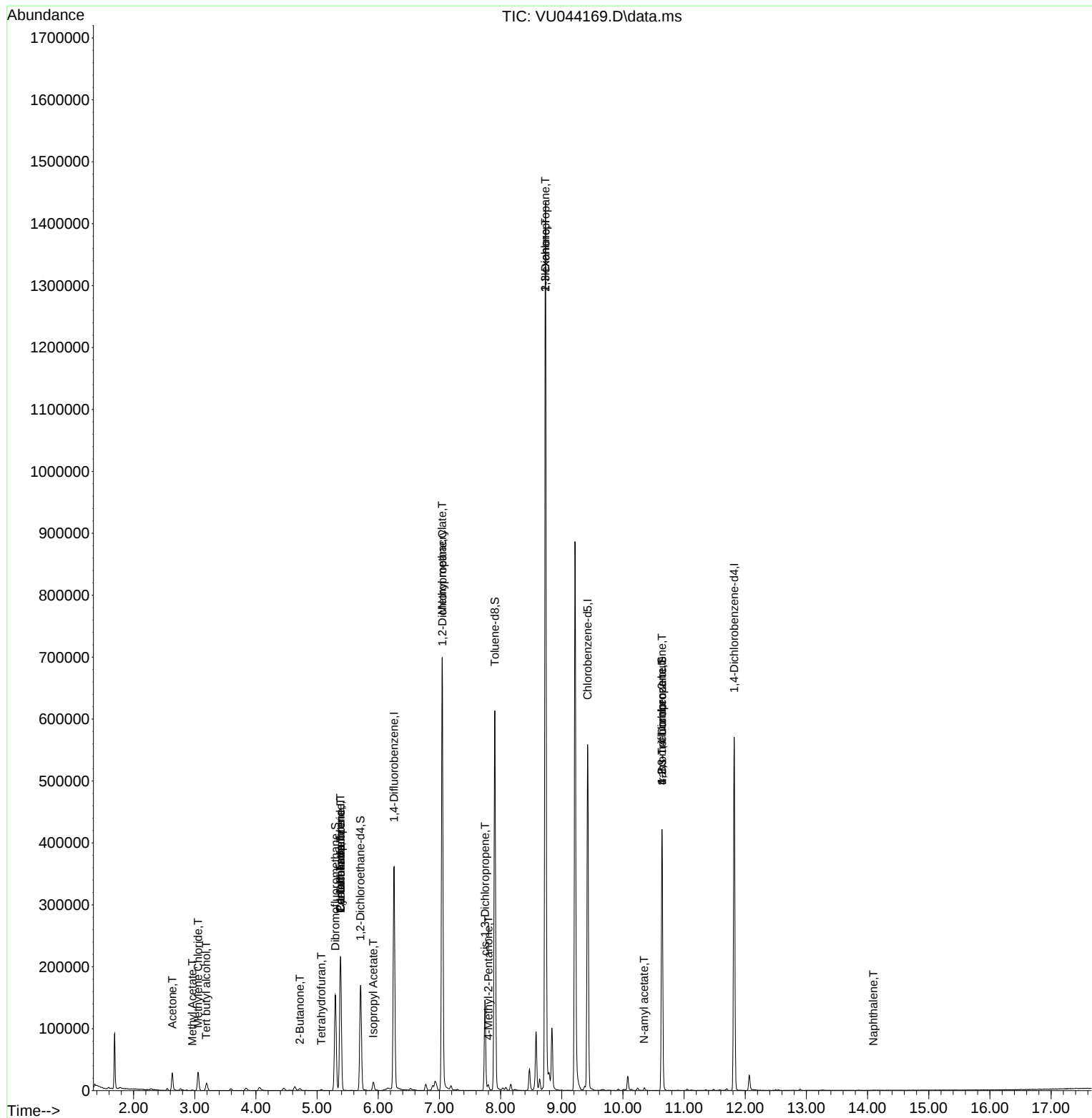
Internal Standards						
1) Pentafluorobenzene	5.385	168	145162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	284491	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	304183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	141855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	125004	54.151	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.300%	
35) Dibromofluoromethane	5.298	113	100624	50.846	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.700%	
50) Toluene-d8	7.906	98	395040	51.977	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.960%	
62) 4-Bromofluorobenzene	10.639	95	143350	47.065	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	423	Below Cal	#	85
6) Chloroethane	1.932	64	158	Below Cal	#	42
11) Tert butyl alcohol	3.189	59	7897	12.717	ug/l #	73
13) Acrolein	2.491	56	43	Below Cal	#	15
16) Acetone	2.633	43	30398	23.564	ug/l	99
18) Methyl Acetate	2.961	43	1132	0.381	ug/l #	67
20) Methylene Chloride	3.054	84	13953	5.644	ug/l	99
25) 2-Butanone	4.719	43	5075	2.634	ug/l	97
29) Tetrahydrofuran	5.070	42	1045	0.998	ug/l #	76
31) Cyclohexane	5.385	56	3050	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	12501	3.950	ug/l #	50
38) Carbon Tetrachloride	5.382	117	14942	5.229	ug/l #	17
43) Isopropyl Acetate	5.919	43	14426	2.683	ug/l	98
45) 1,2-Dichloropropane	7.050	63	865	0.340	ug/l #	43
48) Methyl methacrylate	7.044	41	58392	22.314	ug/l #	36
51) 4-Methyl-2-Pentanone	7.800	43	5826	1.497	ug/l	95
54) cis-1,3-Dichloropropene	7.745	75	26681	6.994	ug/l #	62
57) 1,3-Dichloropropane	8.732	76	15376	3.712	ug/l #	42
59) 2-Hexanone	8.732	43	181089	58.299	ug/l #	49
74) N-amyl acetate	10.346	43	887	0.208	ug/l #	14
76) 1,2,3-Trichloropropane	10.639	75	71247	14.980	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	71247	54.303	ug/l #	13
95) Naphthalene	14.095	128	232	2.858	ug/l #	69

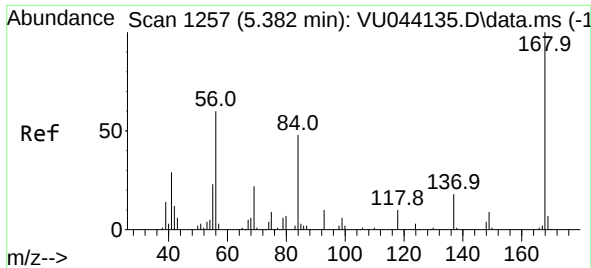
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

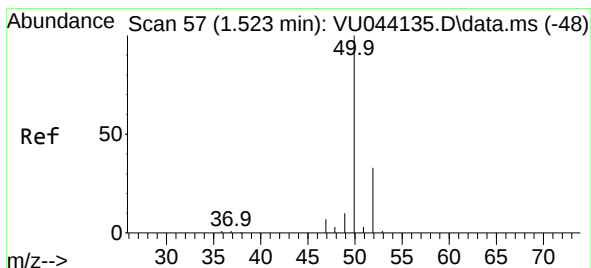
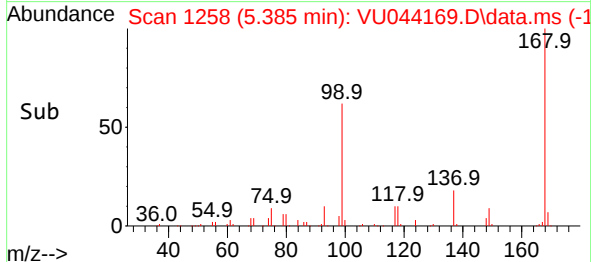
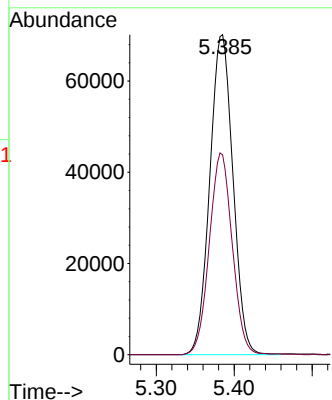
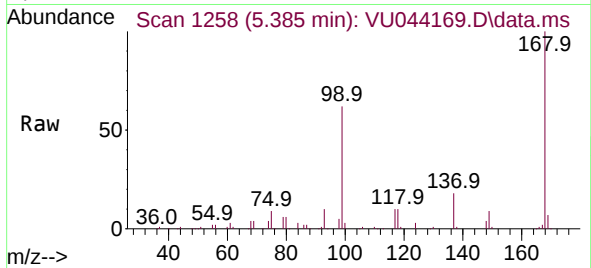




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

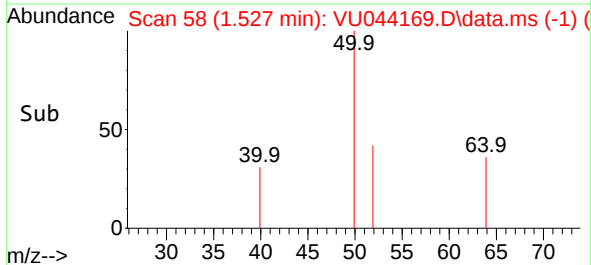
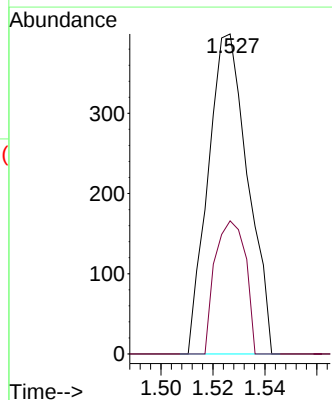
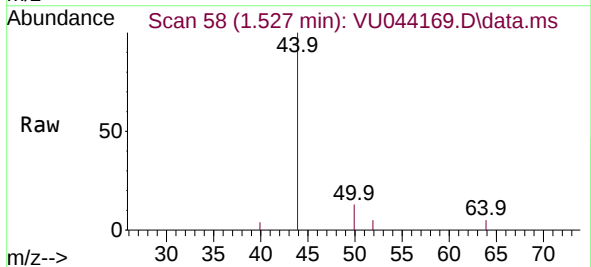
Instrument :
MSVOA_U
ClientSampled :

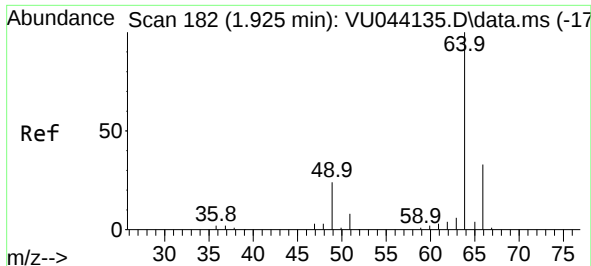
Tgt Ion:168 Resp: 145162
Ion Ratio Lower Upper
168 100
99 62.4 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 41.6 26.6 39.8#

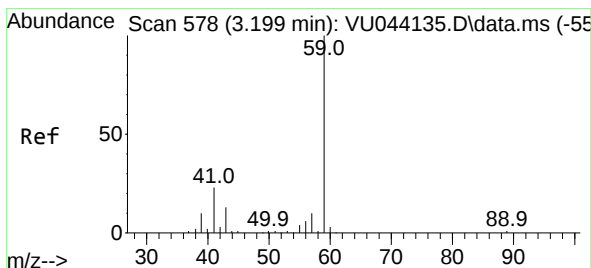
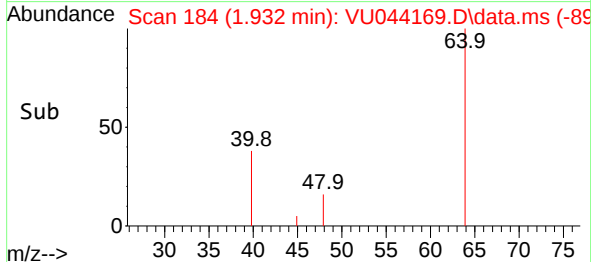
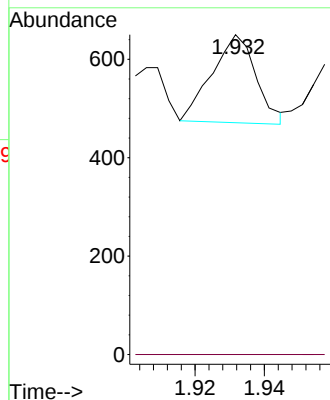
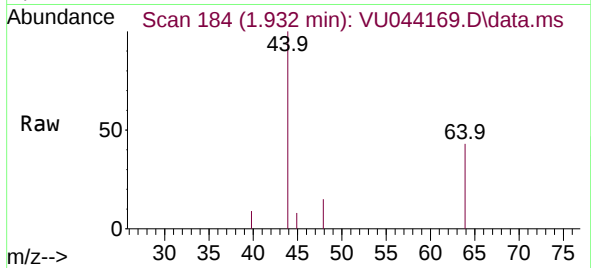




#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. 0.007 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

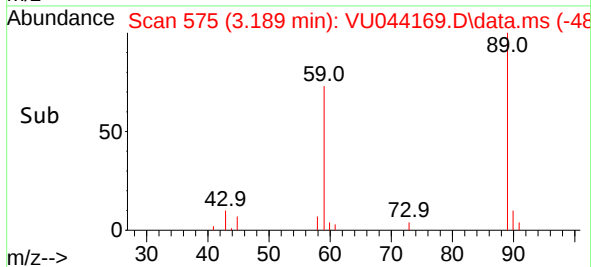
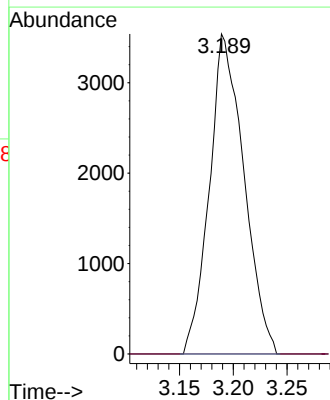
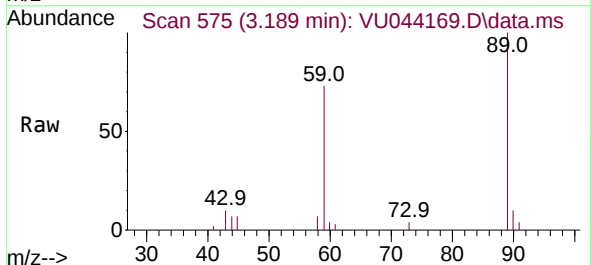
Instrument :
MSVOA_U
ClientSampled :

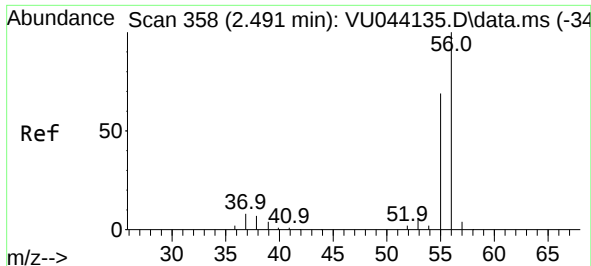
Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 12.717 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.010 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 59 Resp: 7897
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

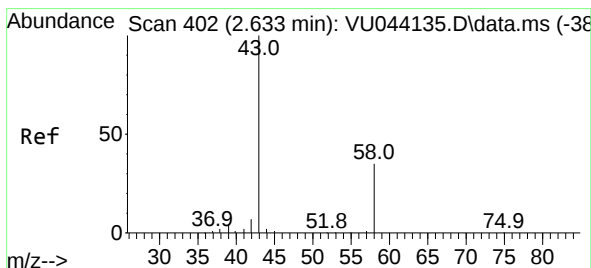
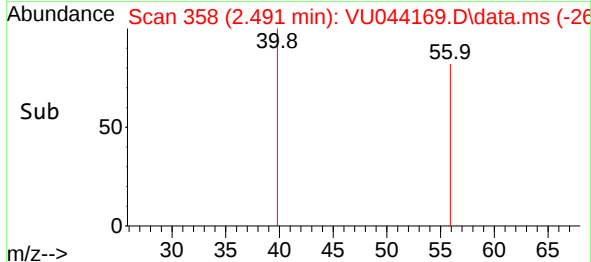
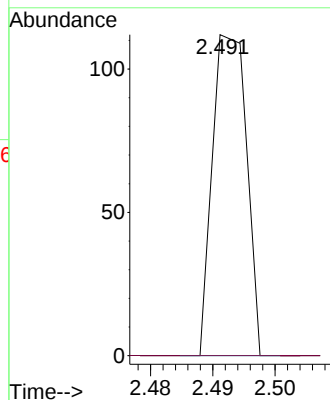
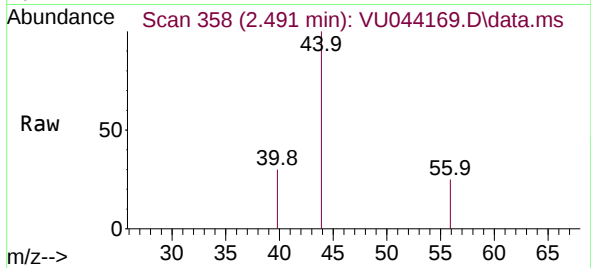




#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

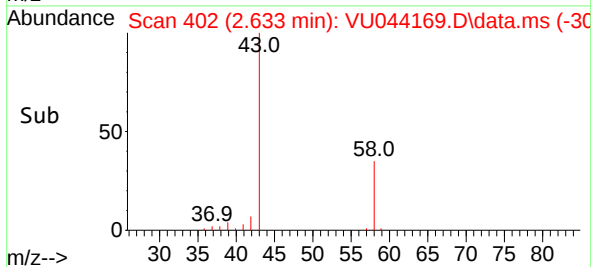
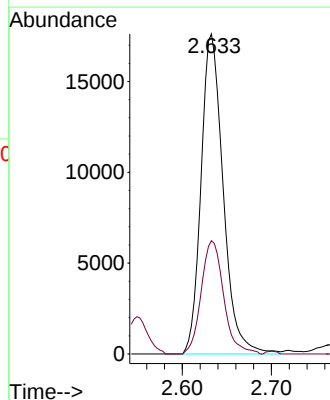
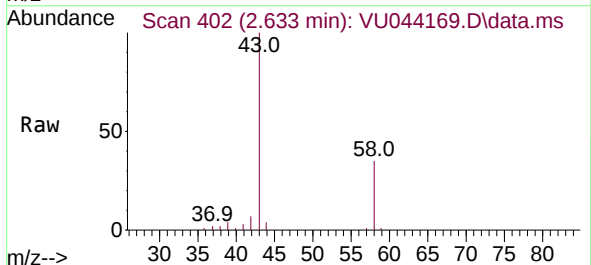
Instrument :
MSVOA_U
ClientSampled :

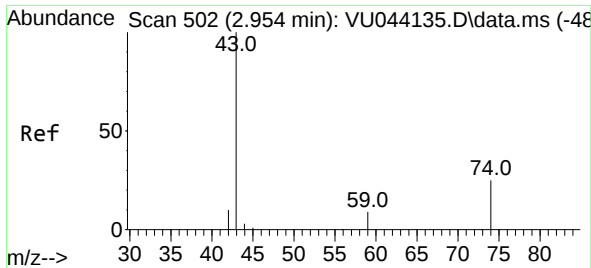
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 23.564 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 43 Resp: 30398
Ion Ratio Lower Upper
43 100
58 35.4 28.0 42.0

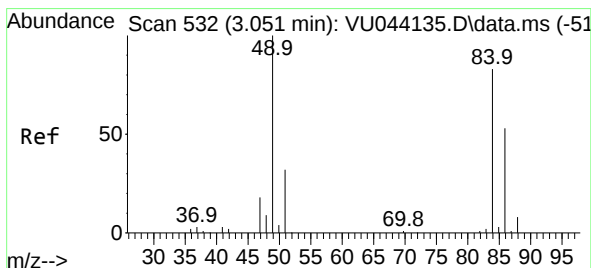
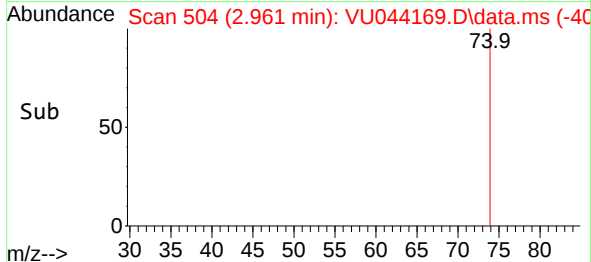
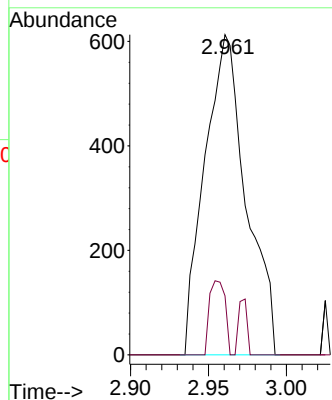
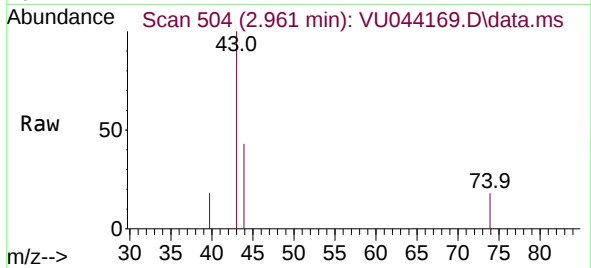




#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

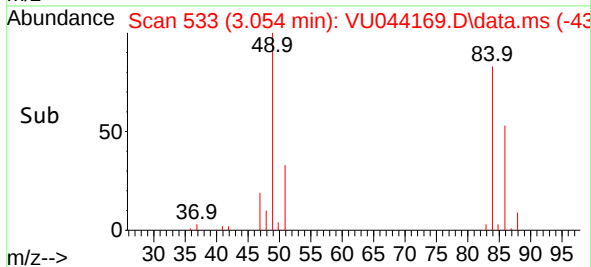
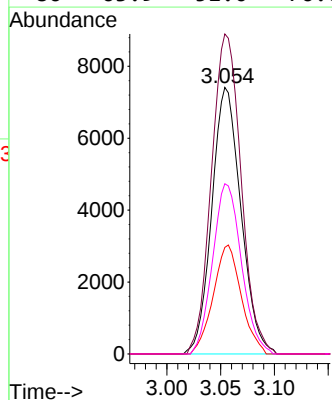
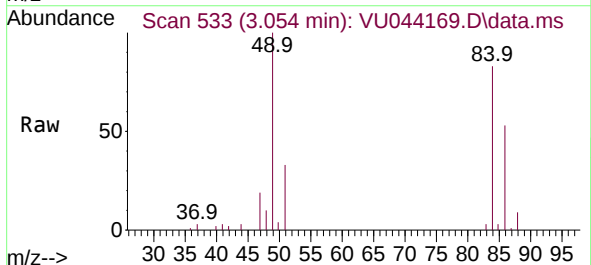
Instrument :
MSVOA_U
ClientSampled :

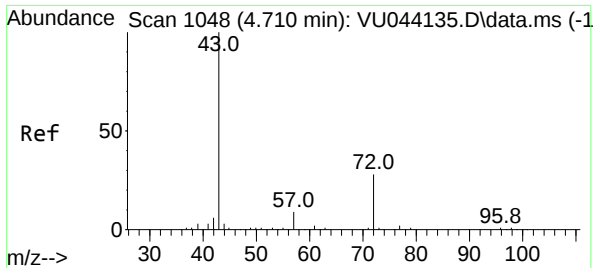
Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
74 8.7 20.3 30.5#



#20
Methylene Chloride
Concen: 5.644 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 84 Resp: 13953
Ion Ratio Lower Upper
84 100
49 120.1 96.9 145.3
51 40.0 31.0 46.6
86 63.9 51.0 76.6

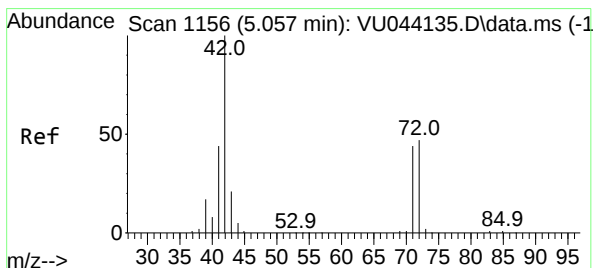
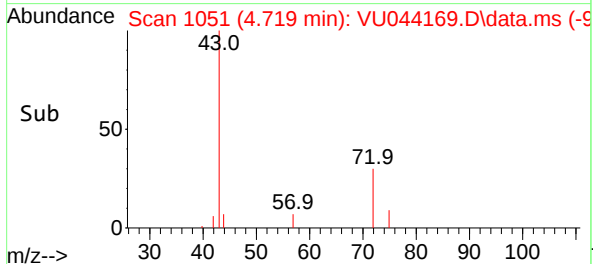
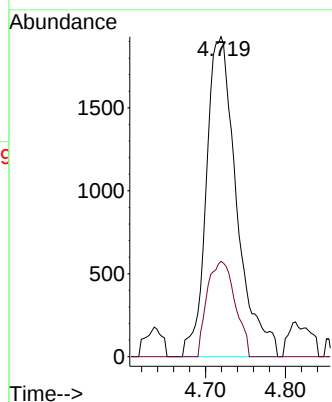
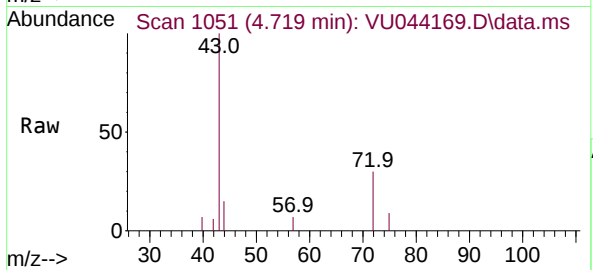




#25
2-Butanone
Concen: 2.634 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

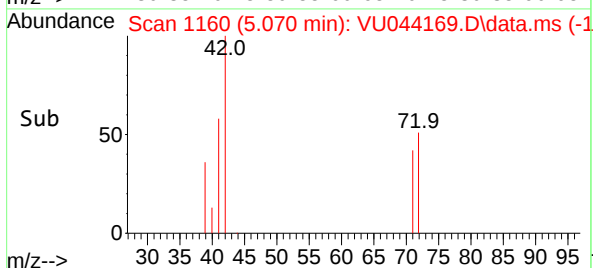
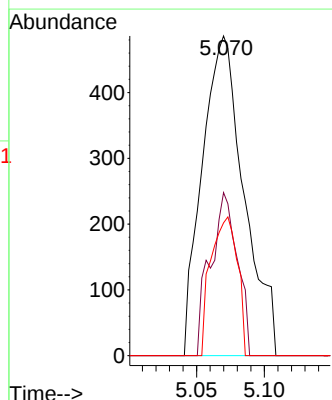
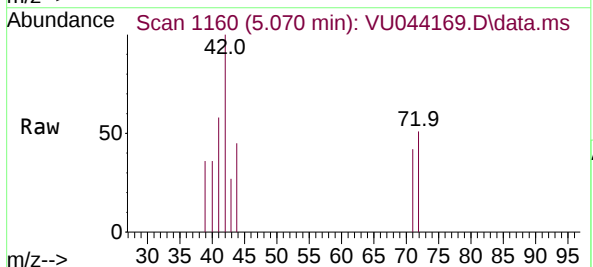
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MSVOA_U
ClientSampled :

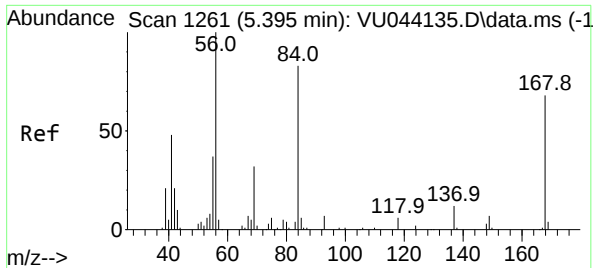
Tgt Ion: 43 Resp: 5075
Ion Ratio Lower Upper
43 100
72 29.8 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.998 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.013 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

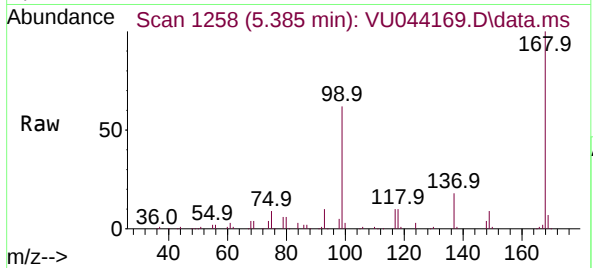
Tgt Ion: 42 Resp: 1045
Ion Ratio Lower Upper
42 100
72 32.9 38.6 57.8#
71 27.6 35.5 53.3#



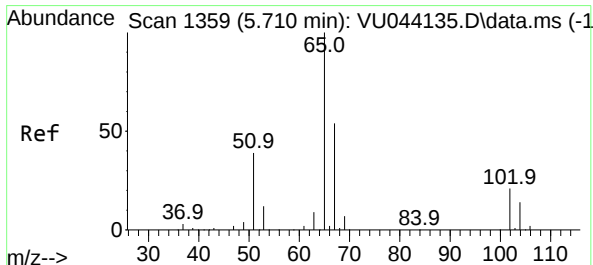
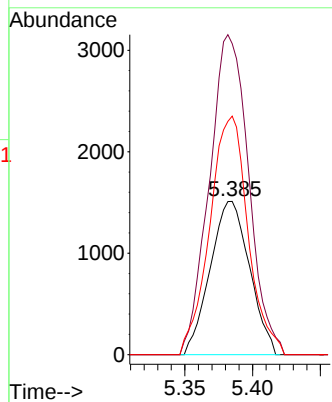
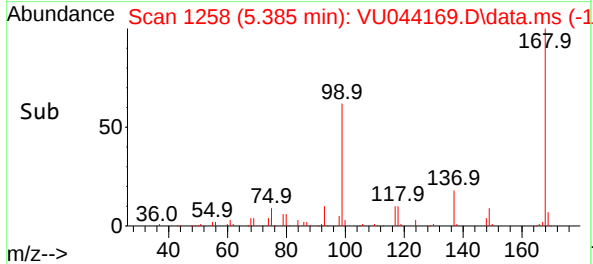


#31
Cyclohexane
Concen: 0.936 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.010 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

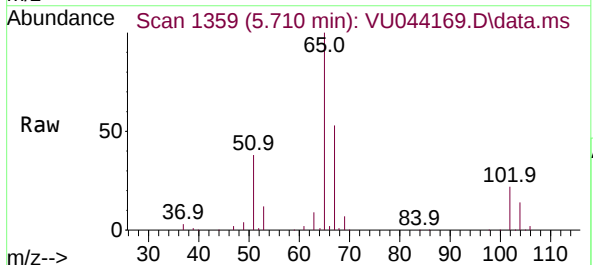
Instrument :
MSVOA_U
ClientSampled :



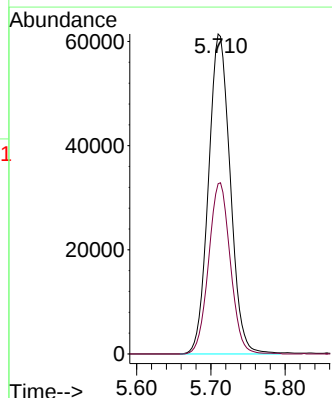
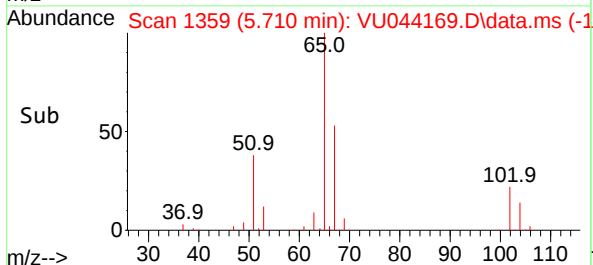
Tgt Ion: 56 Resp: 3050
Ion Ratio Lower Upper
56 100
69 202.8 25.5 38.3#
84 155.7 66.3 99.5#

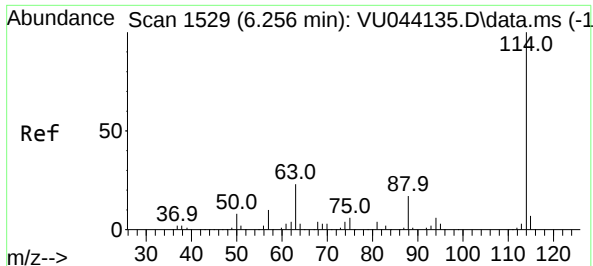


#33
1,2-Dichloroethane-d4
Concen: 54.151 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28



Tgt Ion: 65 Resp: 125004
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

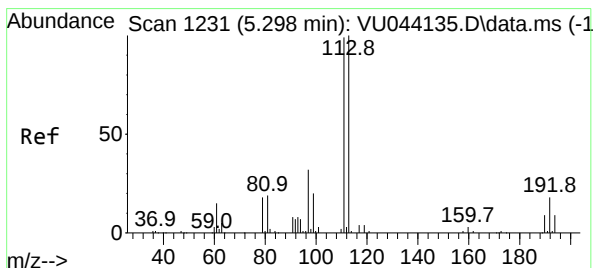
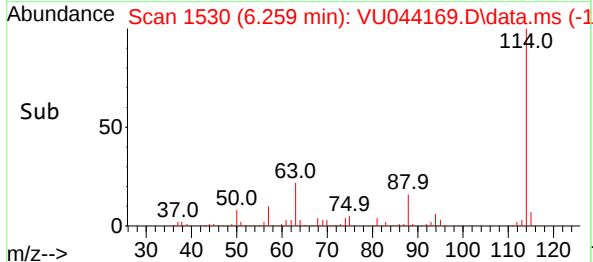
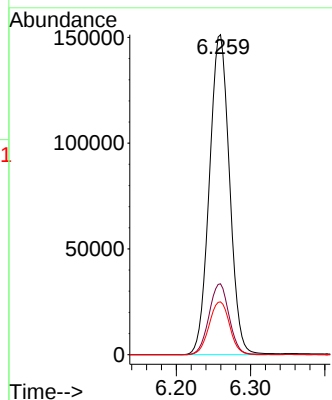
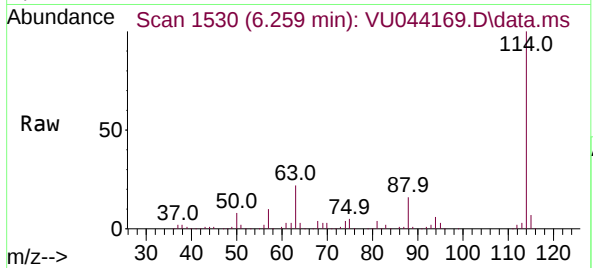




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

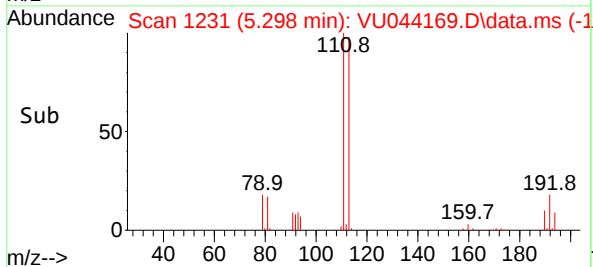
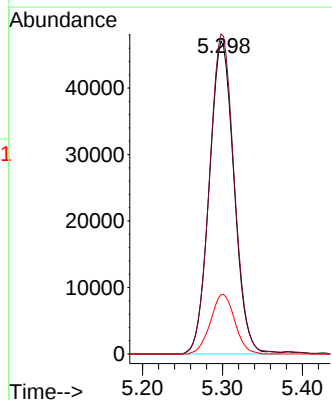
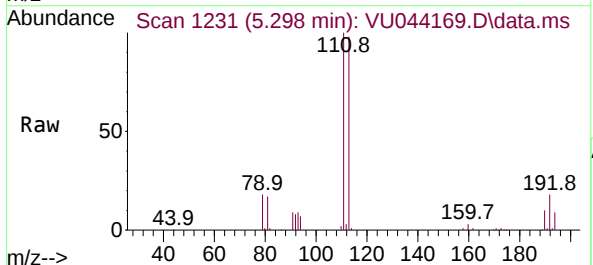
Instrument :
MSVOA_U
ClientSampleId :

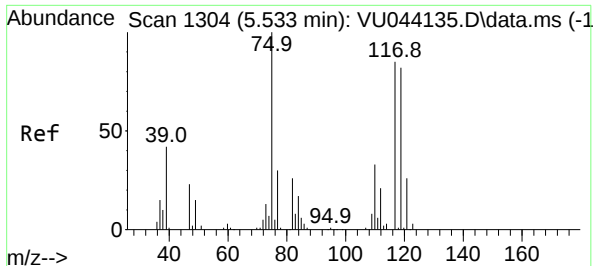
Tgt Ion:114 Resp: 284491
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.8
88 16.5 0.0 34.0



#35
Dibromofluoromethane
Concen: 50.846 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion:113 Resp: 100624
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.4
192 18.8 14.3 21.5



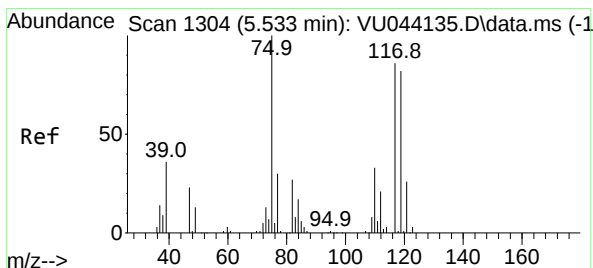
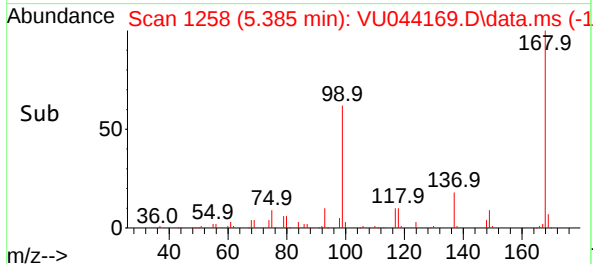
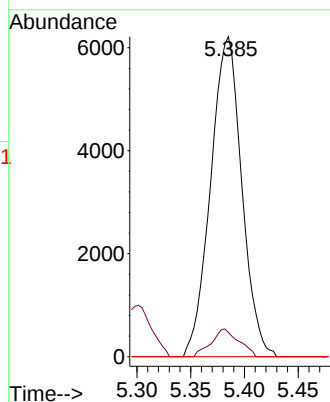
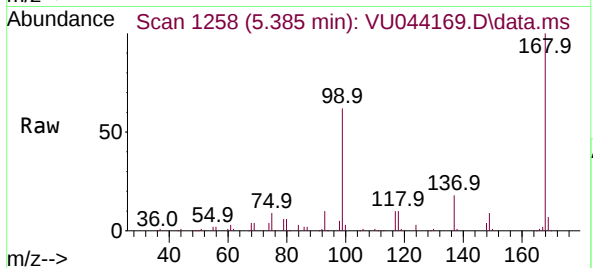


#36

1,1-Dichloropropene
Concen: 3.950 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Instrument :
MSVOA_U
ClientSampled :

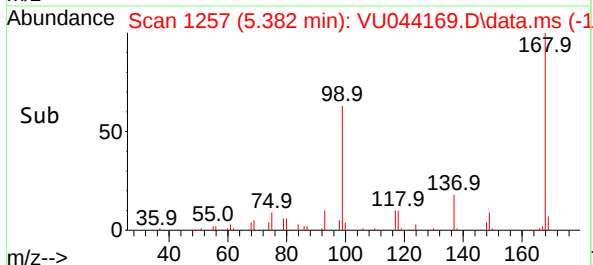
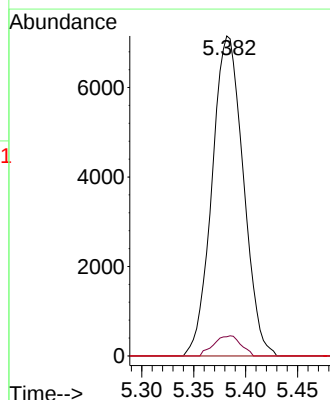
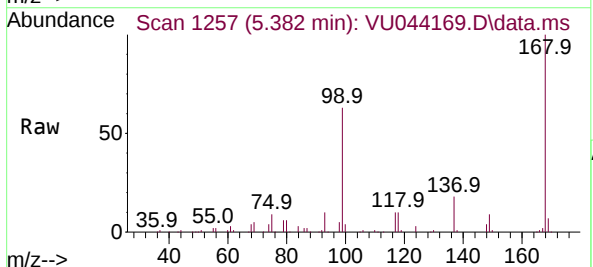
Tgt Ion: 75 Resp: 12501
Ion Ratio Lower Upper
75 100
110 7.7 16.4 49.4#
77 0.0 24.7 37.1#

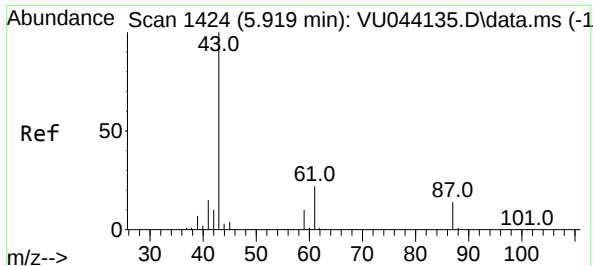


#38

Carbon Tetrachloride
Concen: 5.229 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 117 Resp: 14942
Ion Ratio Lower Upper
117 100
119 6.0 76.6 114.8#
121 0.0 24.6 36.8#

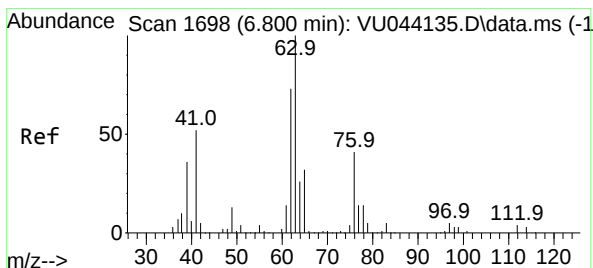
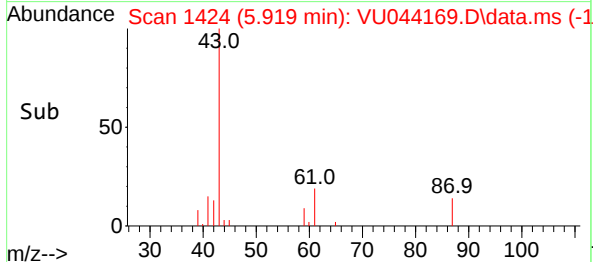
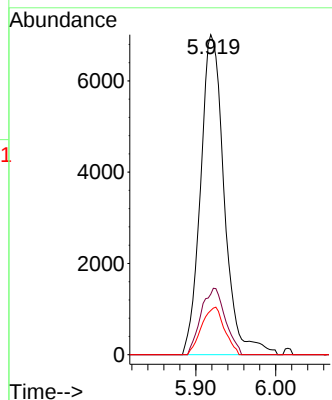
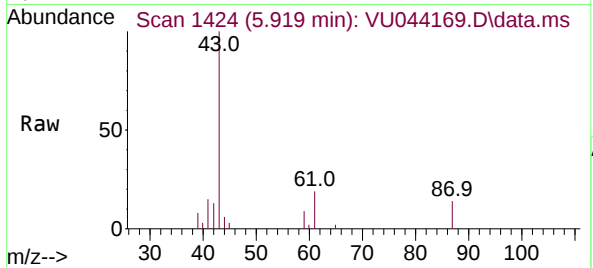




#43
Isopropyl Acetate
Concen: 2.683 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

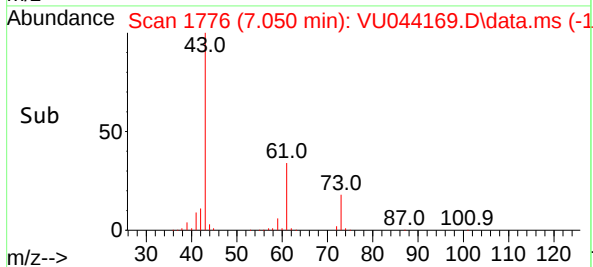
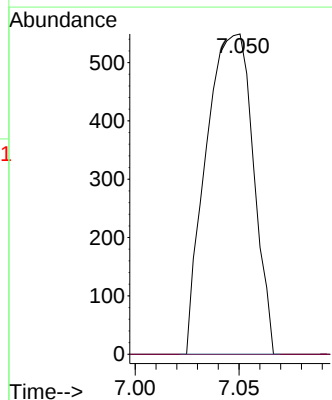
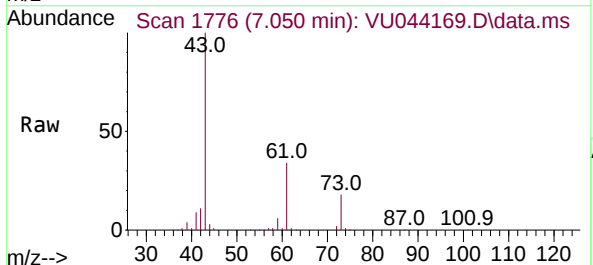
Instrument :
MSVOA_U
ClientSampled :

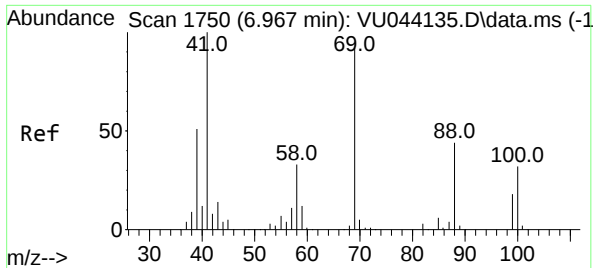
Tgt Ion: 43	Resp: 14426
Ion Ratio	Lower Upper
43 100	
61 21.3	17.8 26.8
87 14.3	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.340 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.250 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 63	Resp: 865
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

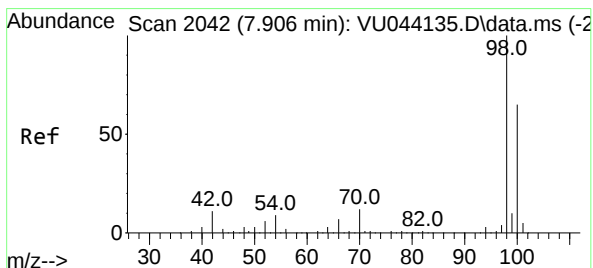
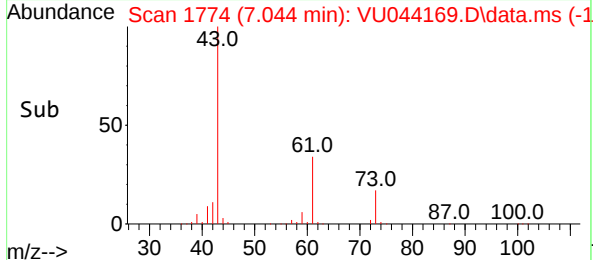
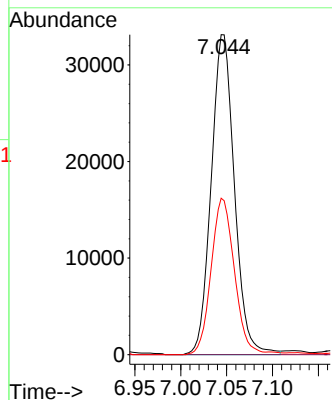
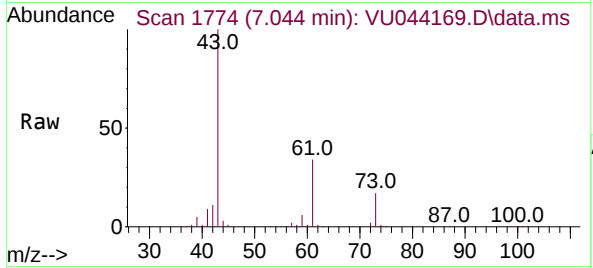




#48
Methyl methacrylate
Concen: 22.314 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.077 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

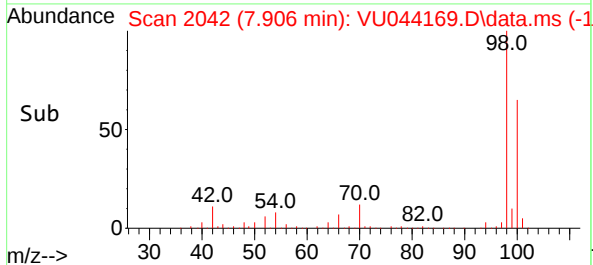
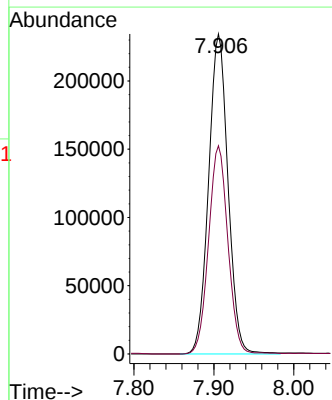
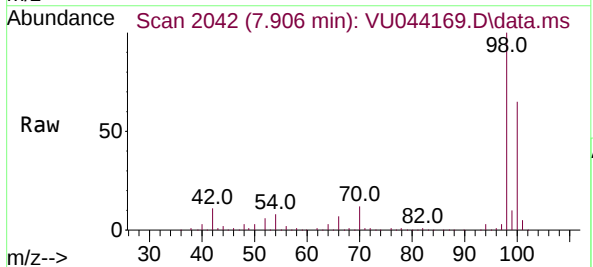
Instrument :
MSVOA_U
ClientSampled :

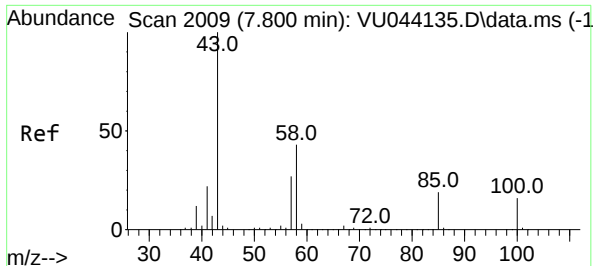
Tgt Ion: 41 Resp: 58392
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 48.8 41.5 62.3



#50
Toluene-d8
Concen: 51.977 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 98 Resp: 395040
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

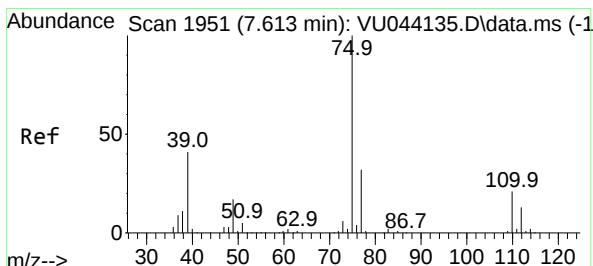
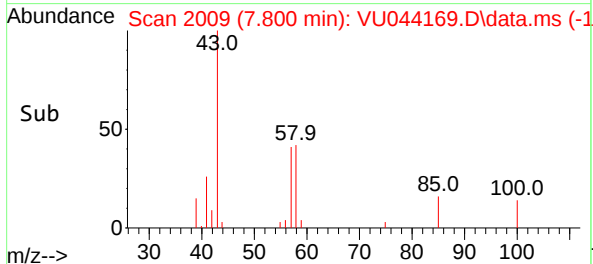
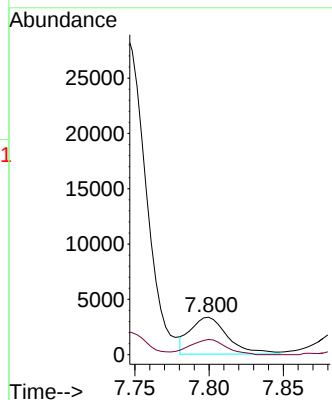
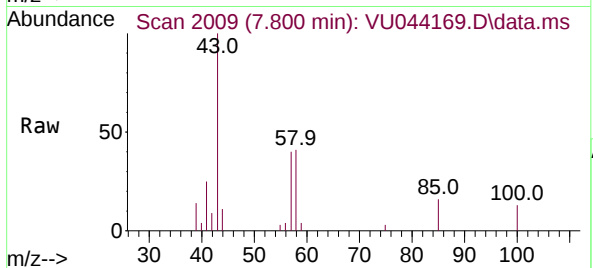




#51
4-Methyl-2-Pentanone
Concen: 1.497 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

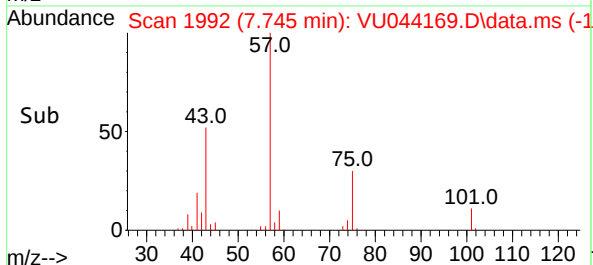
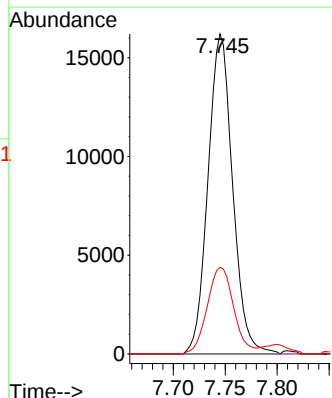
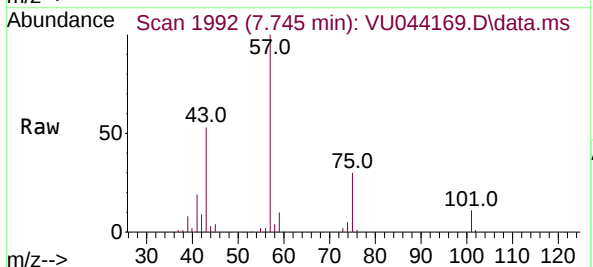
Instrument :
MSVOA_U
ClientSampled :

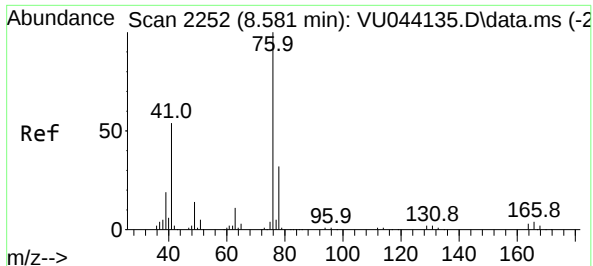
Tgt Ion: 43 Resp: 5826
Ion Ratio Lower Upper
43 100
58 39.8 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 6.994 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 75 Resp: 26681
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 27.1 33.2 49.8#



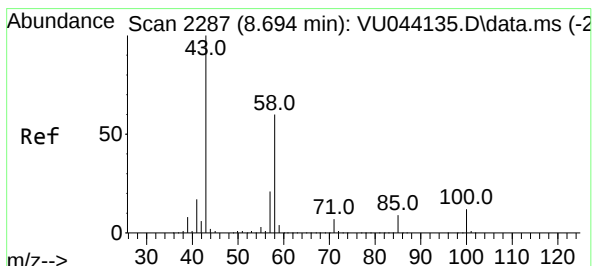
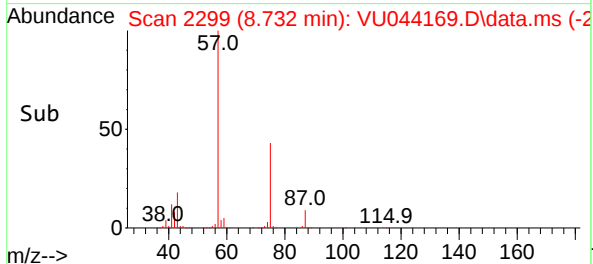
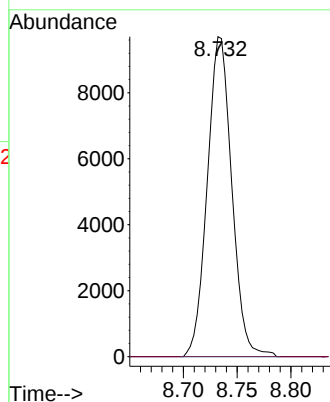
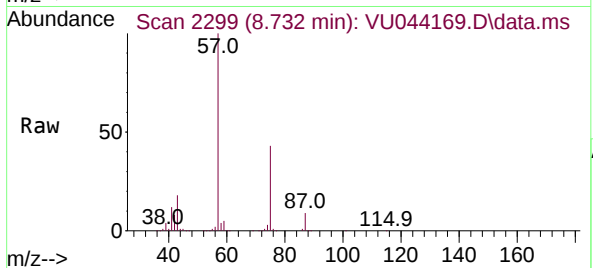


#57

1,3-Dichloropropane
Concen: 3.712 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Instrument :
MSVOA_U
ClientSampled :

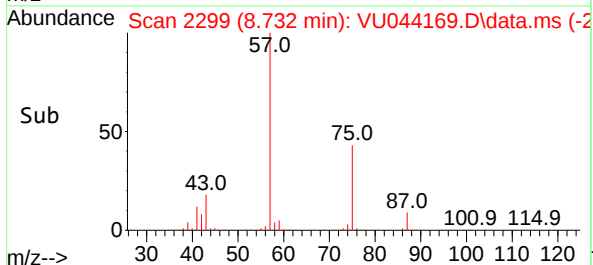
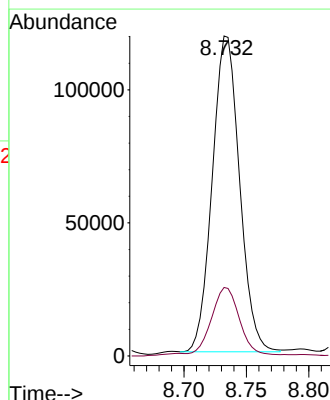
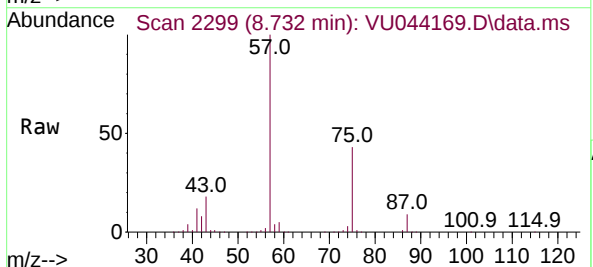
Tgt Ion: 76 Resp: 15376
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

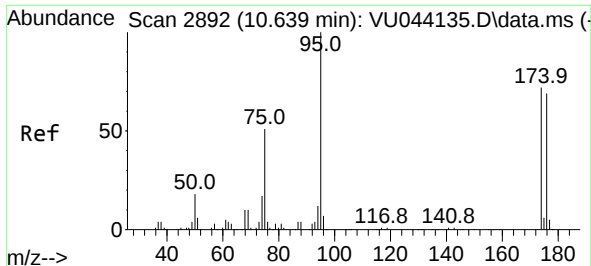


#59

2-Hexanone
Concen: 58.299 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 43 Resp: 181089
Ion Ratio Lower Upper
43 100
58 21.8 30.0 90.1#

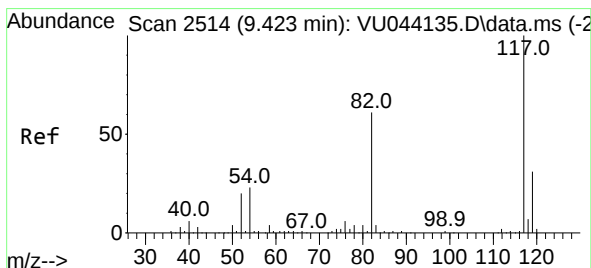
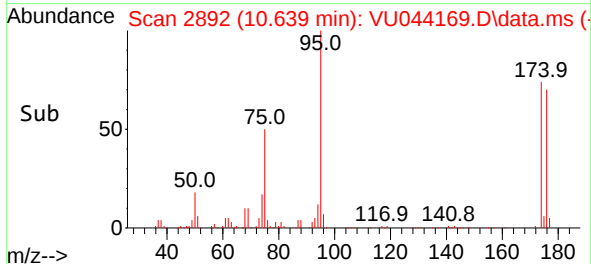
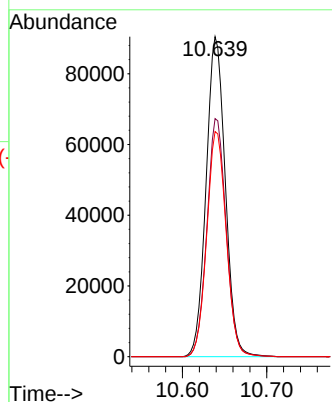
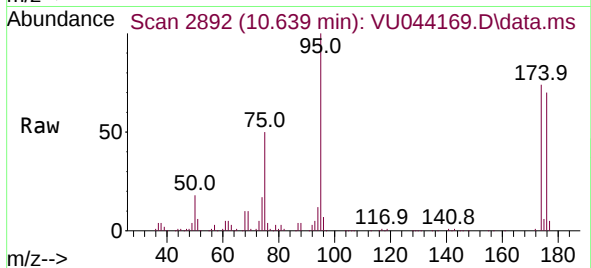




#62
4-Bromofluorobenzene
Concen: 47.065 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

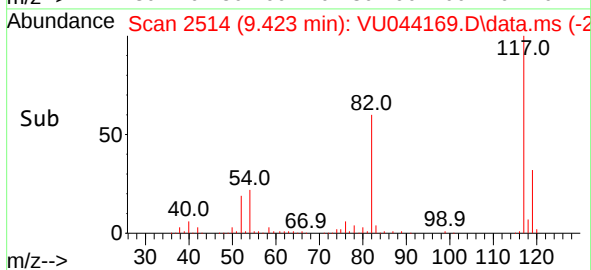
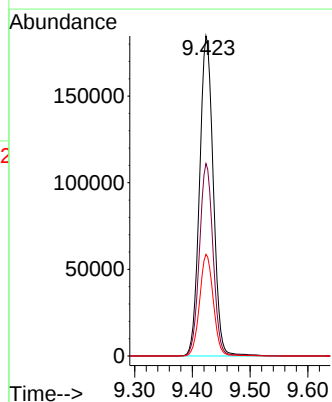
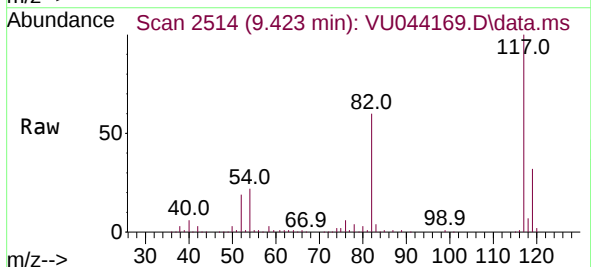
Instrument :
MSVOA_U
ClientSampleId :

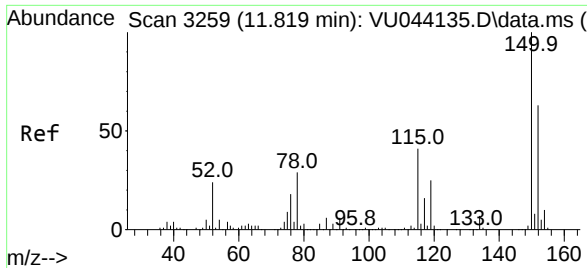
Tgt Ion: 95 Resp: 143350
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.4
176 71.4 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 117 Resp: 304183
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 31.7 25.0 37.6

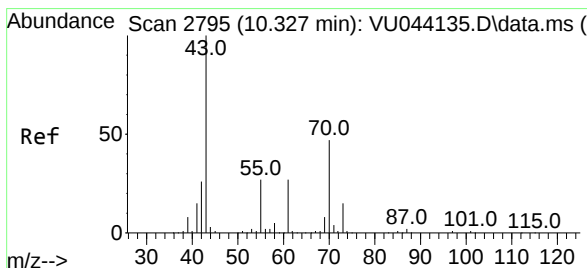
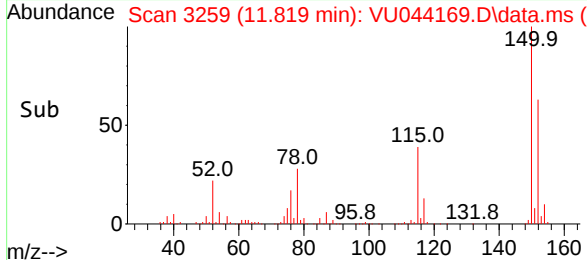
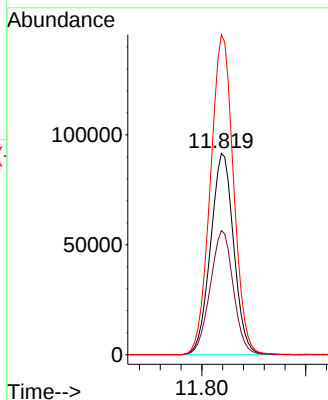
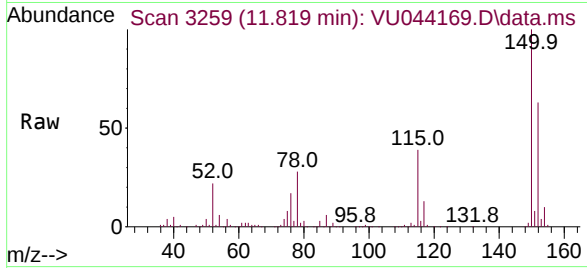




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044169.D
 Acq: 10 Jun 2021 20:28

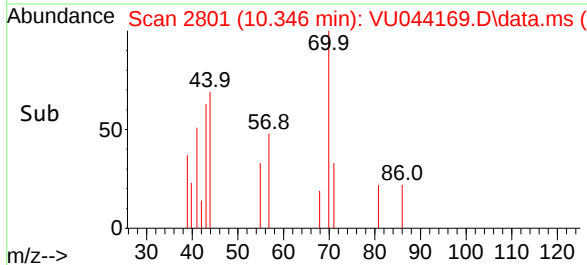
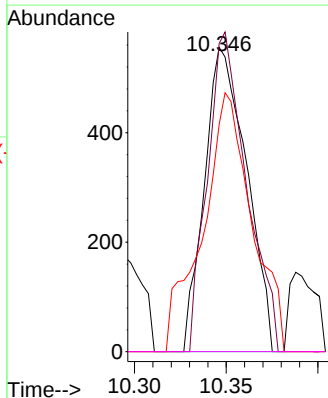
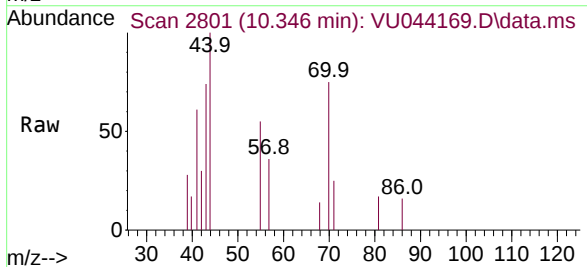
Instrument :
 MSVOA_U
 ClientSampleId :

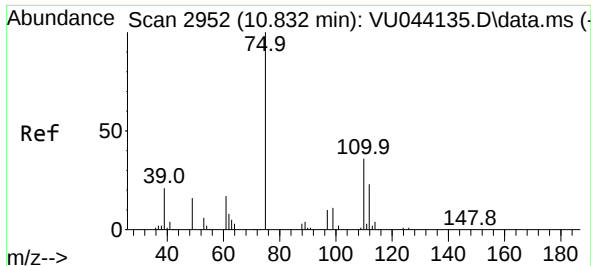
Tgt Ion:152 Resp: 141855
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.8 131.3
 150 158.6 0.0 350.6



#74
 N-ethyl acetate
 Concen: 0.208 ug/l
 RT: 10.346 min Scan# 2801
 Delta R.T. 0.019 min
 Lab File: VU044169.D
 Acq: 10 Jun 2021 20:28

Tgt Ion: 43 Resp: 887
 Ion Ratio Lower Upper
 43 100
 70 97.7 37.7 56.5#
 55 99.4 22.4 33.6#
 61 0.0 21.5 32.3#

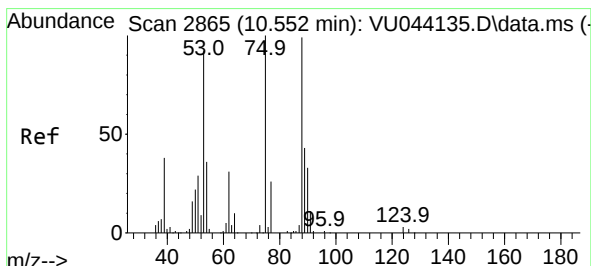
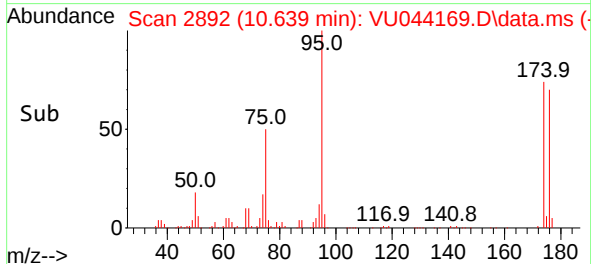
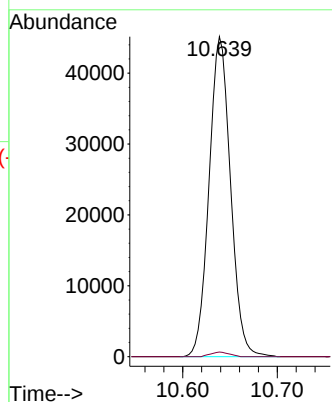
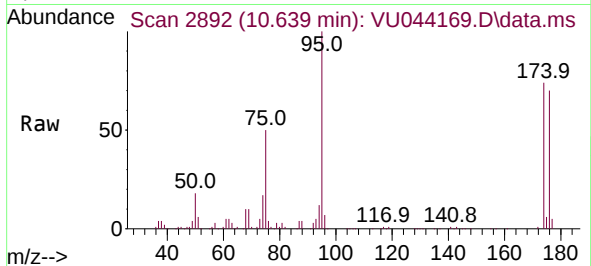




#76
1,2,3-Trichloropropane
Concen: 14.980 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

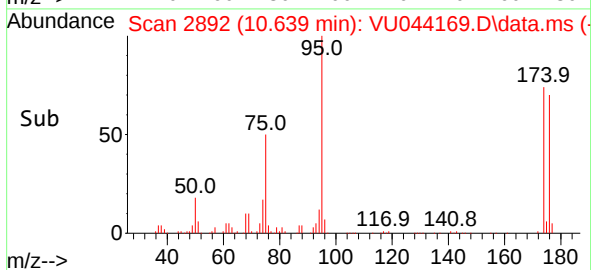
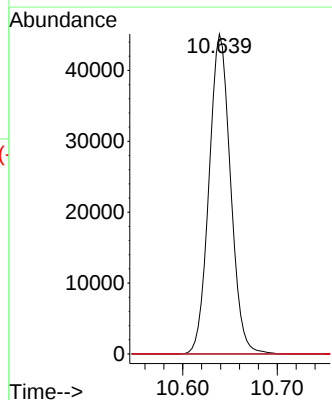
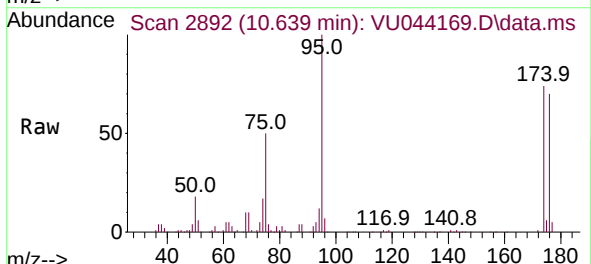
Instrument :
MSVOA_U
ClientSampled :

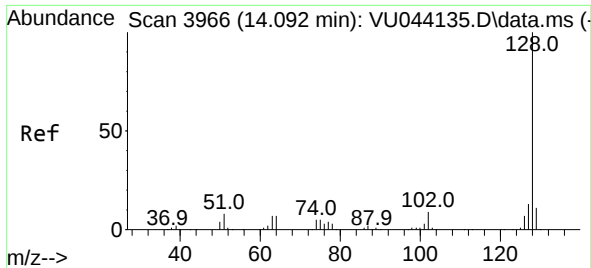
Tgt Ion: 75 Resp: 71247
Ion Ratio Lower Upper
75 100
77 1.3 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.303 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Tgt Ion: 75 Resp: 71247
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.858 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044169.D
Acq: 10 Jun 2021 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 232
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

