

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043197.D
 Acq On : 19 Apr 2021 16:26
 Operator : SY/MD
 Sample : PB135814TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 20 02:56:41 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

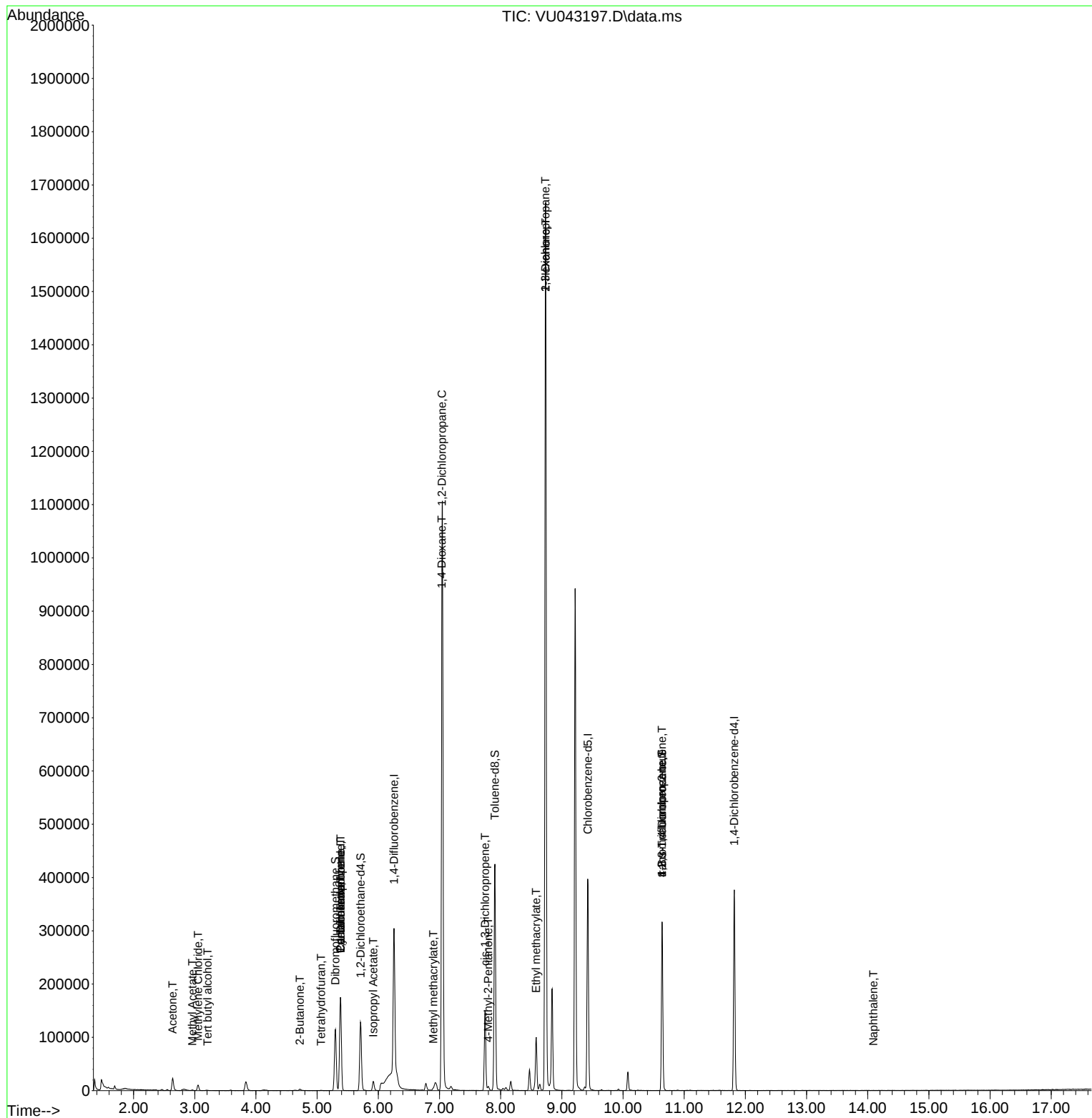
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	118271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	201176	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	199096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	92496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	99660	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
35) Dibromofluoromethane	5.298	113	70491	46.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.26%	
50) Toluene-d8	7.906	98	256608	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.94%	
62) 4-Bromofluorobenzene	10.639	95	90792	42.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.78%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	483	Below Cal	#	41
11) Tert butyl alcohol	3.211	59	222	0.43	ug/l #	94
16) Acetone	2.639	43	29934	25.31	ug/l	98
18) Methyl Acetate	2.961	43	1676	0.67	ug/l #	78
20) Methylene Chloride	3.054	84	4484	3.18	ug/l	92
25) 2-Butanone	4.716	43	4833	2.68	ug/l	97
29) Tetrahydrofuran	5.063	42	568	0.50	ug/l #	37
31) Cyclohexane	5.382	56	3178	1.30	ug/l #	44
36) 1,1-Dichloropropene	5.382	75	9788	4.59	ug/l #	50
38) Carbon Tetrachloride	5.382	117	12035	5.26	ug/l #	16
43) Isopropyl Acetate	5.919	43	18710	3.59	ug/l	100
45) 1,2-Dichloropropane	7.041	63	1229	0.72	ug/l #	43
48) Methyl methacrylate	6.899	41	7020	2.69	ug/l #	17
49) 1,4-Dioxane	7.038	88	118	2.25	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	5379	1.40	ug/l	91
54) cis-1,3-Dichloropropene	7.745	75	22490	8.41	ug/l #	68
56) Ethyl methacrylate	8.581	69	701	0.26	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	15060	5.38	ug/l #	43
59) 2-Hexanone	8.735	43	262966	82.94	ug/l #	53
76) 1,2,3-Trichloropropane	10.639	75	54226	20.06	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.639	75	54226	58.95	ug/l #	7
95) Naphthalene	14.092	128	46	2.75	ug/l #	69

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

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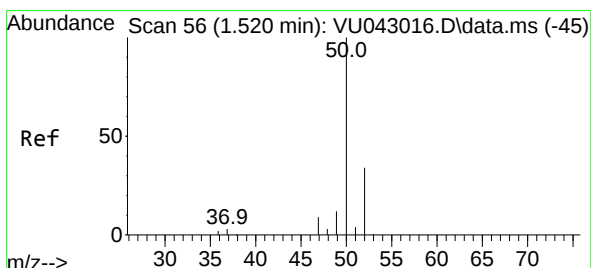
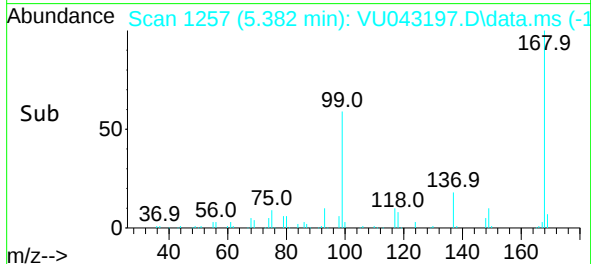
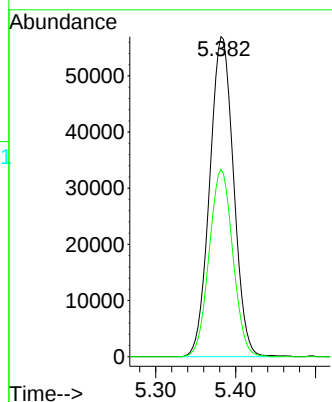
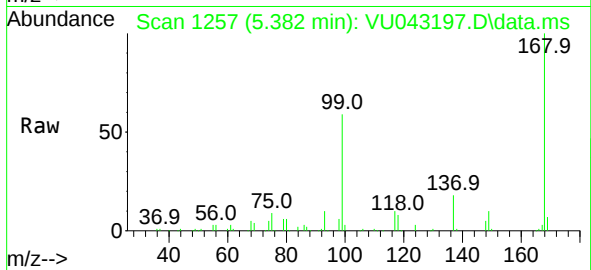




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

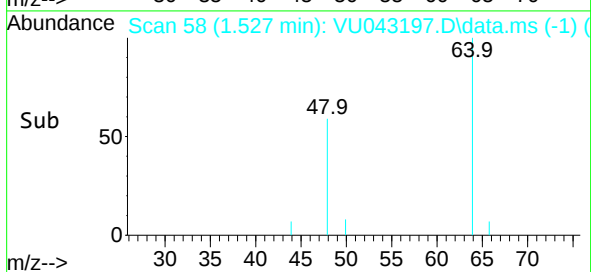
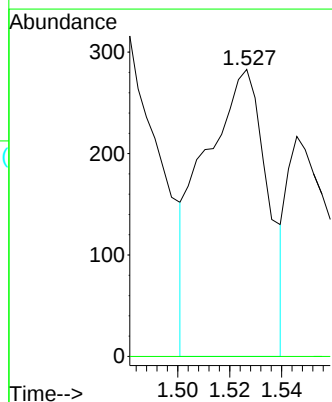
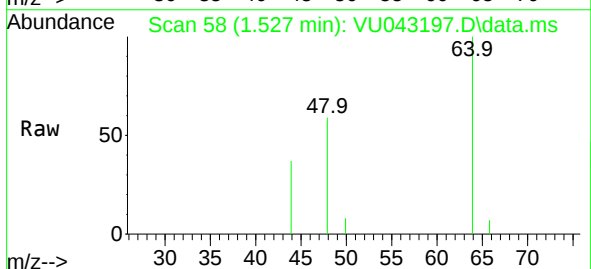
Instrument :
MSVOA_U
ClientSampleId :

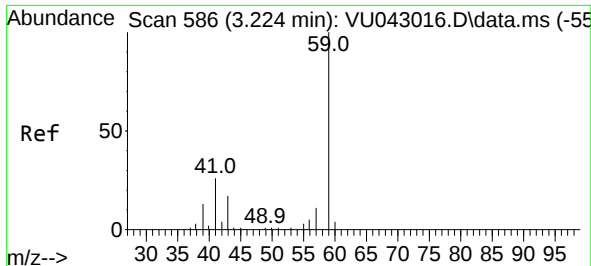
Tgt Ion:168 Resp: 118271
Ion Ratio Lower Upper
168 100
99 58.6 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.007 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

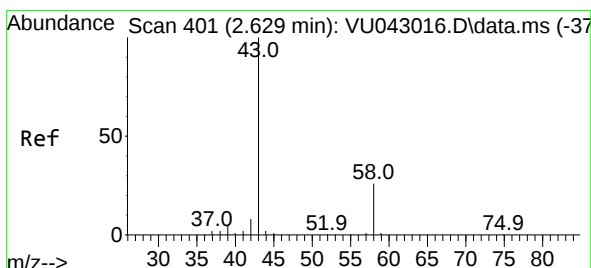
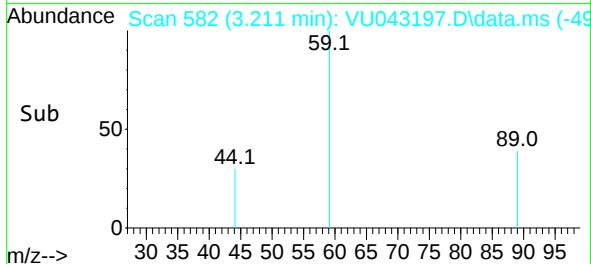
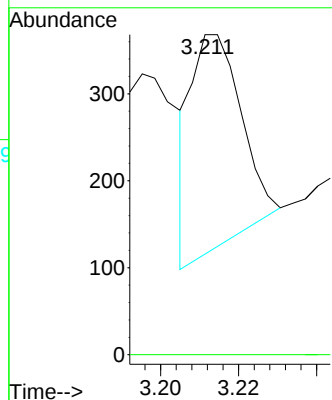
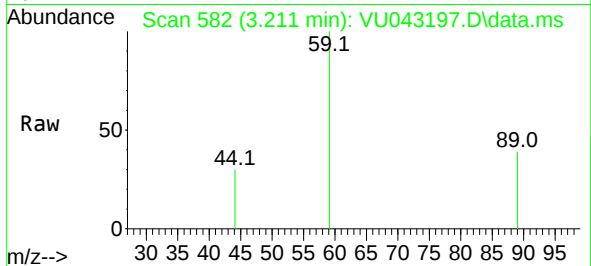




#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.211 min Scan# 582
Delta R.T. -0.013 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

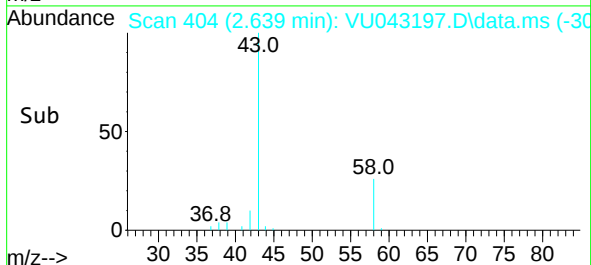
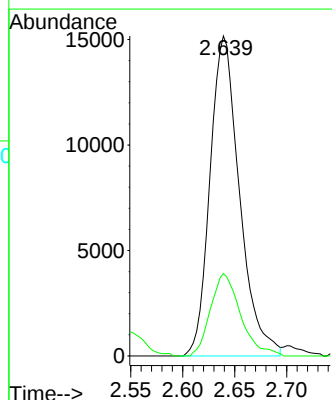
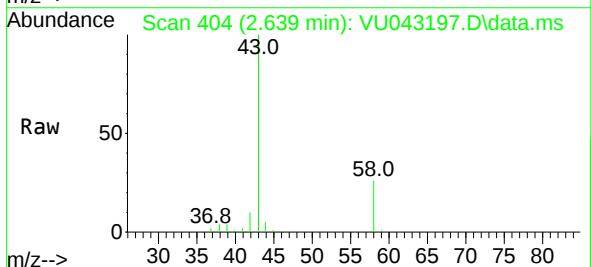
Instrument :
MSVOA_U
ClientSampleId :

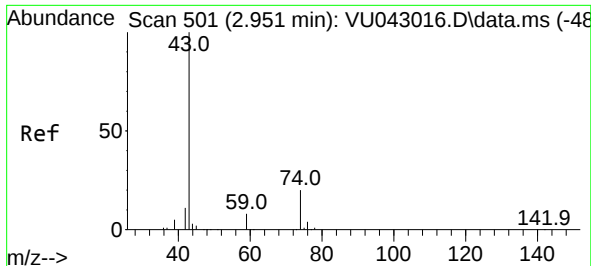
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 25.31 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 43 Resp: 29934
Ion Ratio Lower Upper
43 100
58 25.8 21.5 32.3

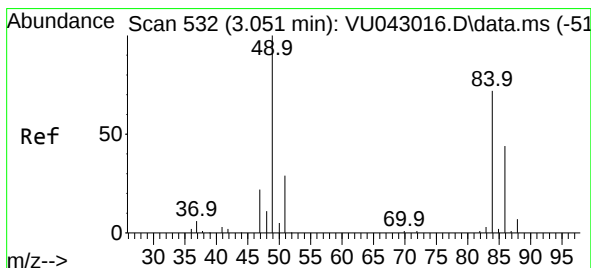
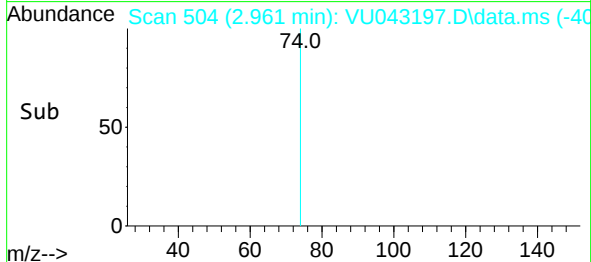
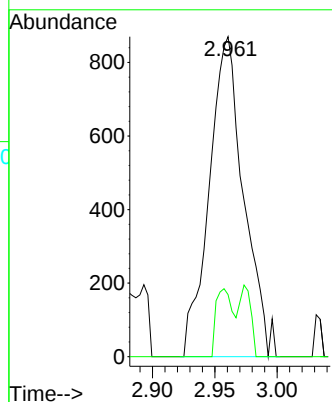
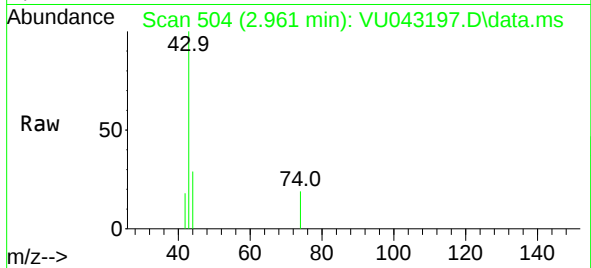




#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.010 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

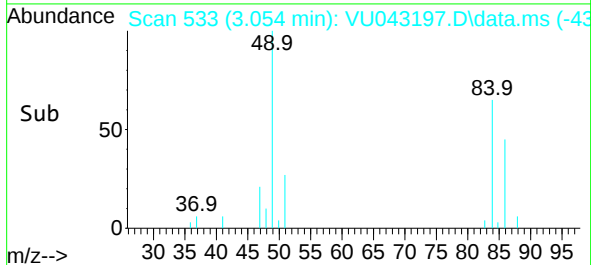
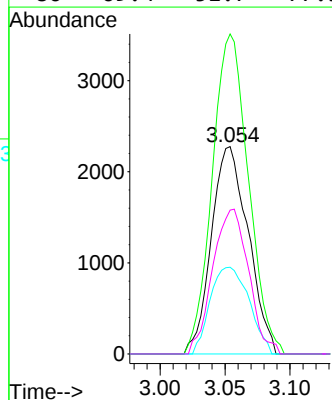
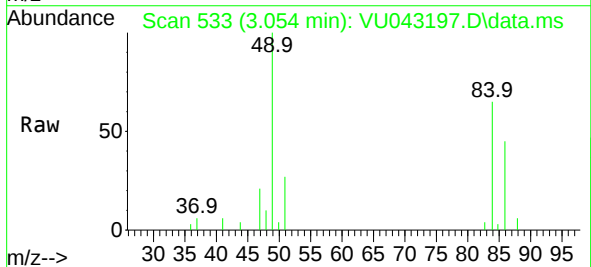
Instrument :
MSVOA_U
ClientSampled :

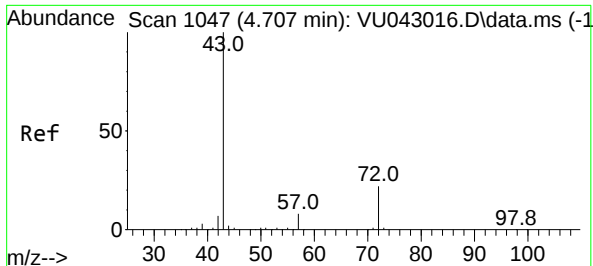
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
74 10.5 16.6 25.0#



#20
Methylene Chloride
Concen: 3.18 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 84 Resp: 4484
Ion Ratio Lower Upper
84 100
49 154.3 112.6 169.0
51 41.8 33.7 50.5
86 69.4 51.7 77.5





#25

2-Butanone

Concen: 2.68 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.009 min

Lab File: VU043197.D

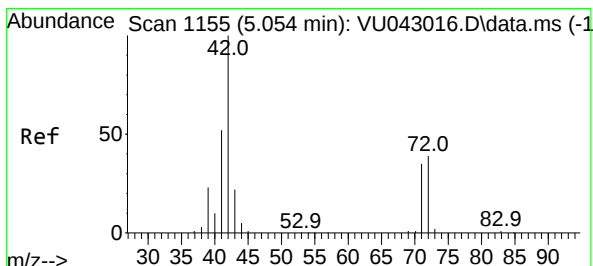
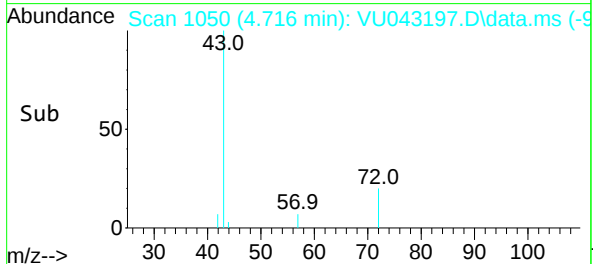
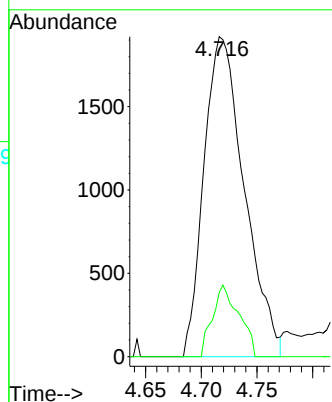
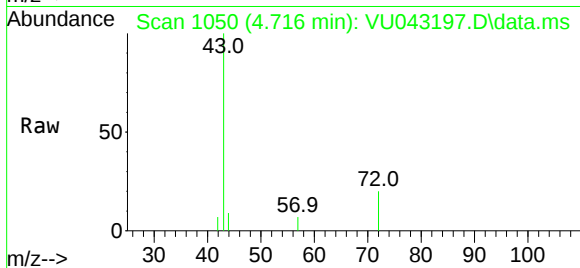
Acq: 19 Apr 2021 16:26

Tgt Ion: 43 Resp: 4833

Ion Ratio Lower Upper

43 100

72 20.1 17.4 26.0



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.009 min

Lab File: VU043197.D

Acq: 19 Apr 2021 16:26

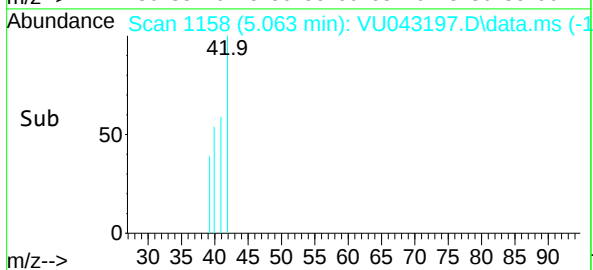
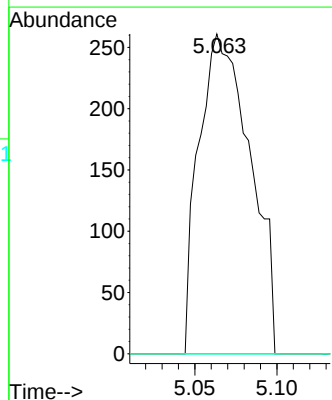
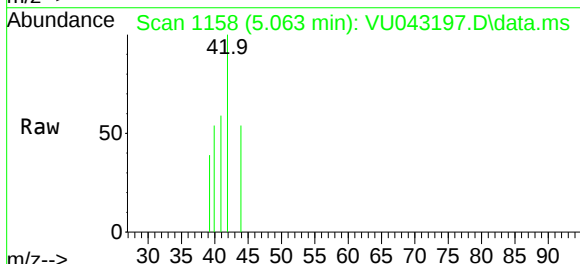
Tgt Ion: 42 Resp: 568

Ion Ratio Lower Upper

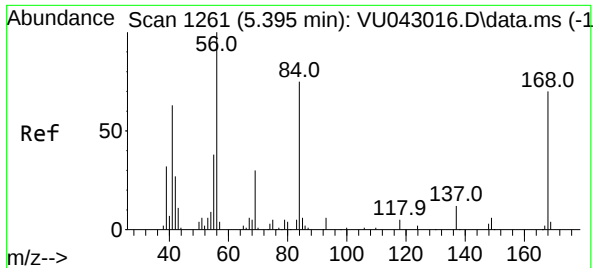
42 100

72 0.0 31.5 47.3#

71 0.0 29.5 44.3#



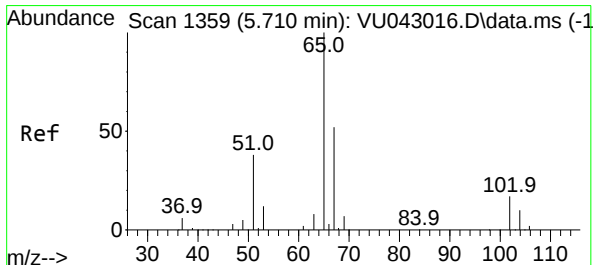
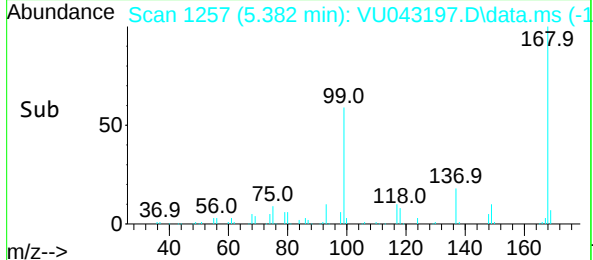
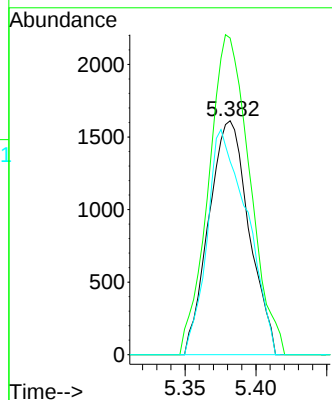
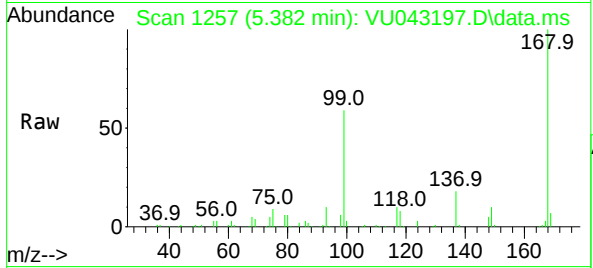
Instrument :
MSVOA_U
ClientSampleId :



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

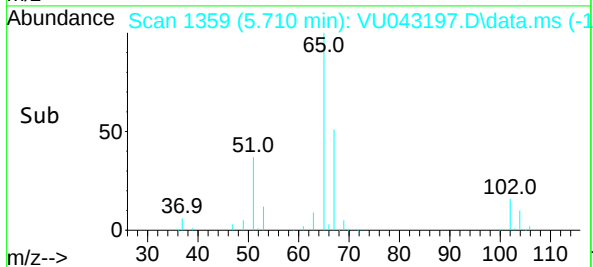
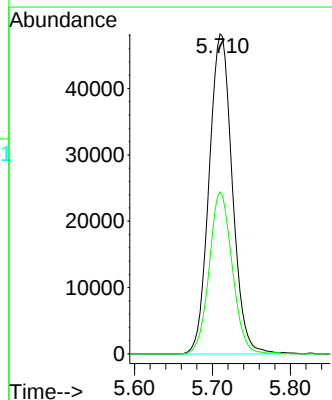
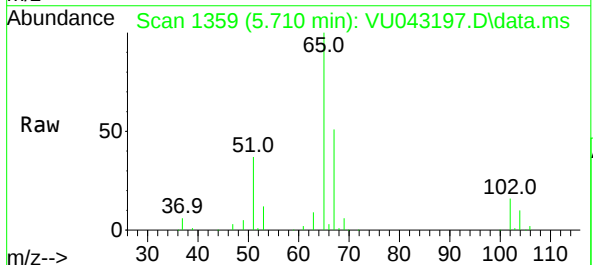
Instrument :
MSVOA_U
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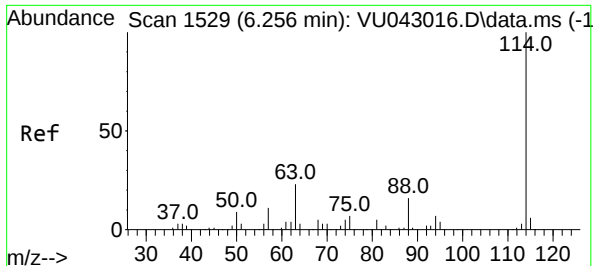
Tgt Ion: 56 Resp: 3178
Ion Ratio Lower Upper
56 100
69 135.4 24.9 37.3#
84 82.6 63.7 95.5



#33
1,2-Dichloroethane-d4
Concen: 50.12 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 65 Resp: 99660
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.8

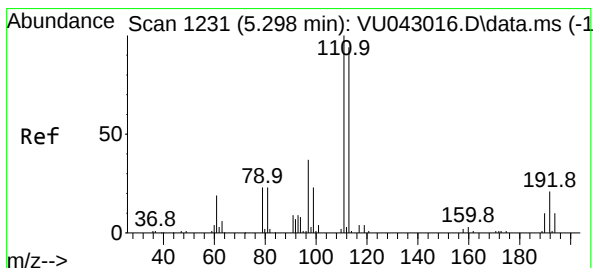
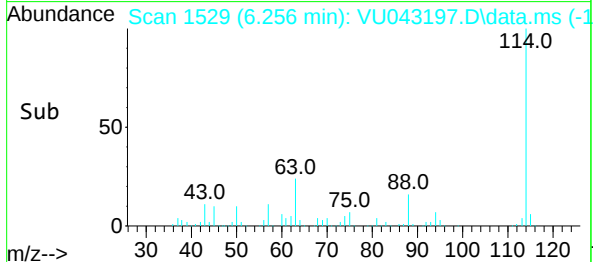
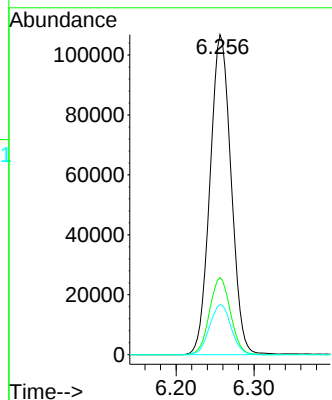
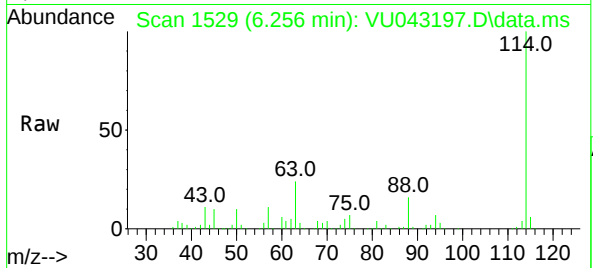




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

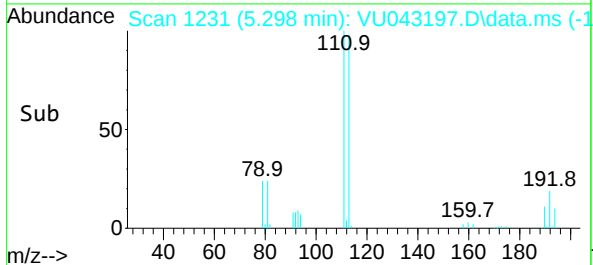
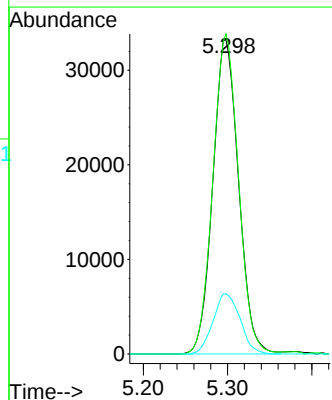
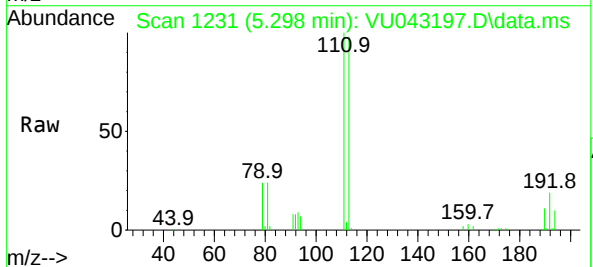
Instrument :
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ClientSampleId :

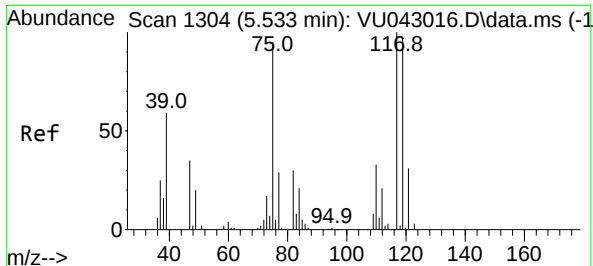
Tgt Ion:114 Resp: 201176
Ion Ratio Lower Upper
114 100
63 24.1 0.0 44.2
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.63 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion:113 Resp: 70491
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.8
192 20.1 17.2 25.8





#36

1,1-Dichloropropene

Concen: 4.59 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU043197.D

Acq: 19 Apr 2021 16:26

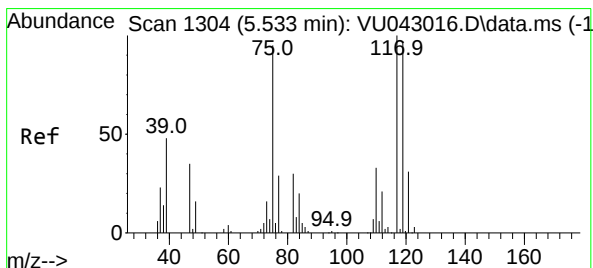
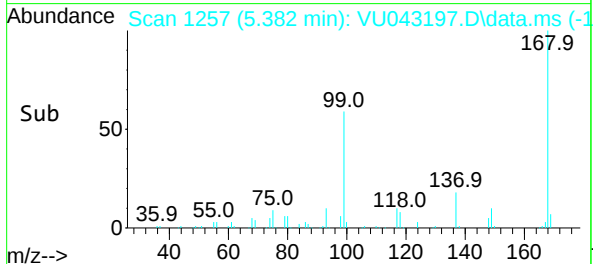
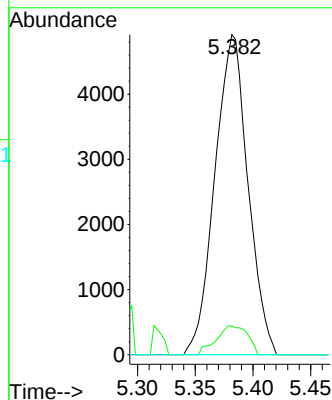
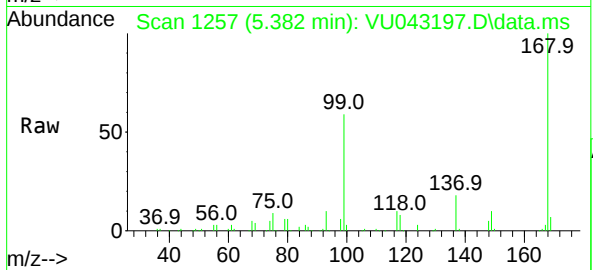
Tgt Ion: 75 Resp: 9788

Ion Ratio Lower Upper

75 100

110 8.5 16.8 50.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU043197.D

Acq: 19 Apr 2021 16:26

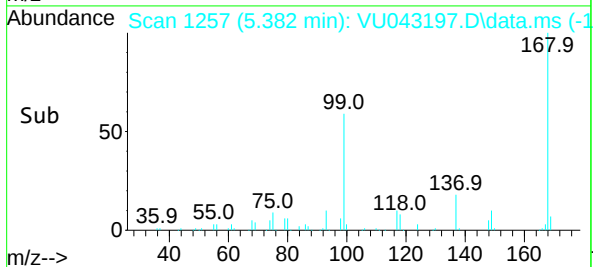
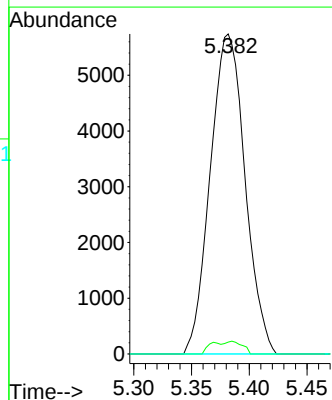
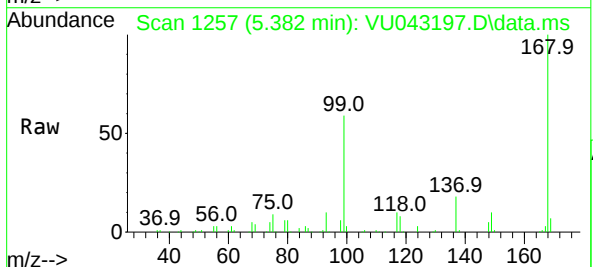
Tgt Ion: 117 Resp: 12035

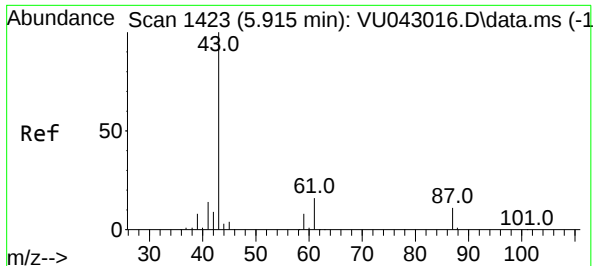
Ion Ratio Lower Upper

117 100

119 3.7 75.5 113.3#

121 0.0 24.7 37.1#



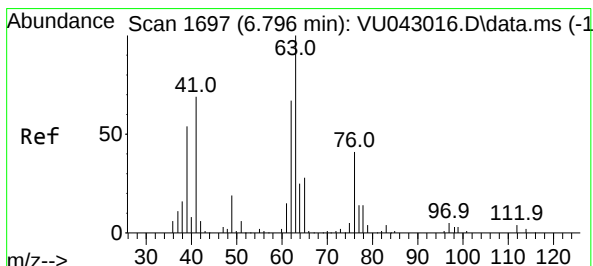
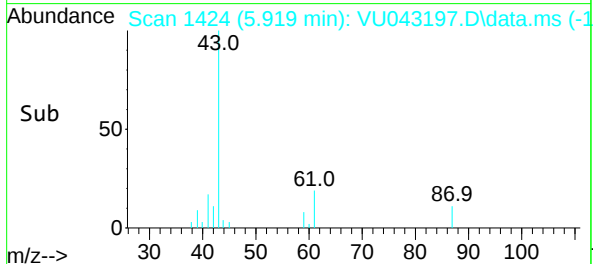
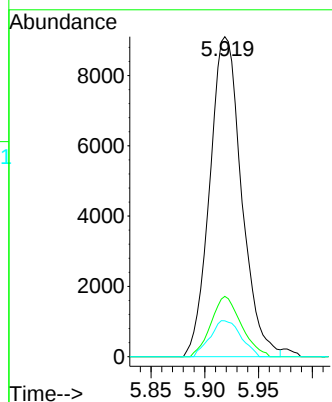
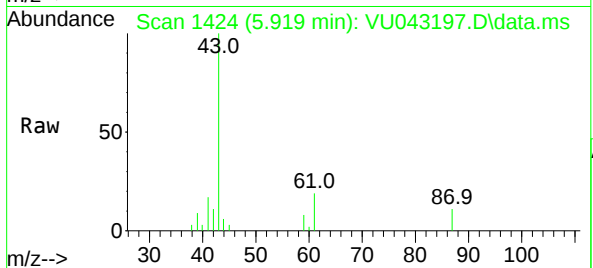


#43

Isopropyl Acetate
 Concen: 3.59 ug/l
 RT: 5.919 min Scan# 1424
 Delta R.T. 0.004 min
 Lab File: VU043197.D
 Acq: 19 Apr 2021 16:26

Instrument :
 MSVOA_U
 ClientSampled :

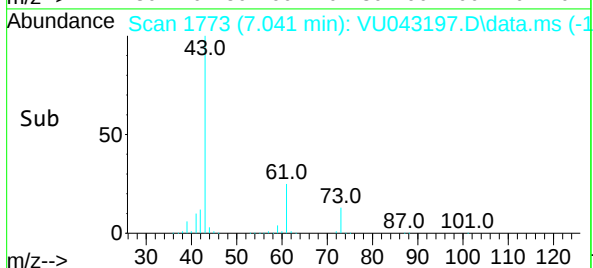
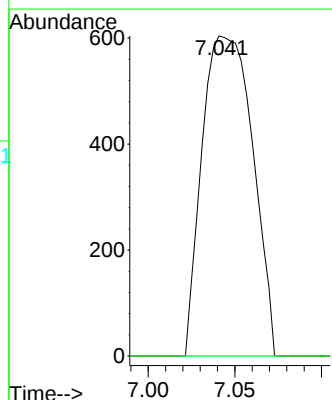
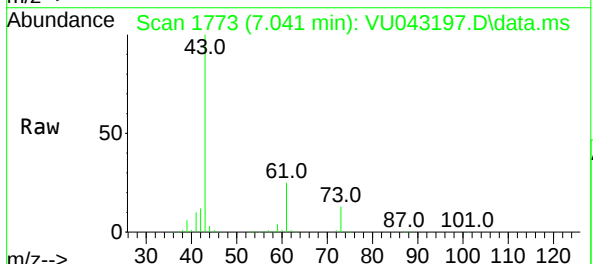
Tgt Ion: 43 Resp: 18710
 Ion Ratio Lower Upper
 43 100
 61 18.0 14.4 21.6
 87 10.9 8.8 13.2

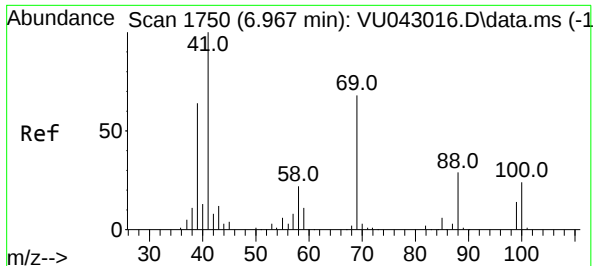


#45

1,2-Dichloropropane
 Concen: 0.72 ug/l
 RT: 7.041 min Scan# 1773
 Delta R.T. 0.245 min
 Lab File: VU043197.D
 Acq: 19 Apr 2021 16:26

Tgt Ion: 63 Resp: 1229
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 2.69 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.068 min

Lab File: VU043197.D

Acq: 19 Apr 2021 16:26

Tgt Ion: 41 Resp: 7020

Ion Ratio Lower Upper

41 100

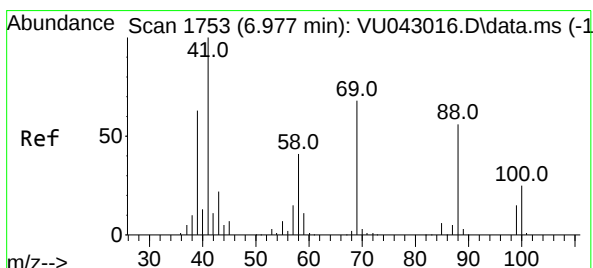
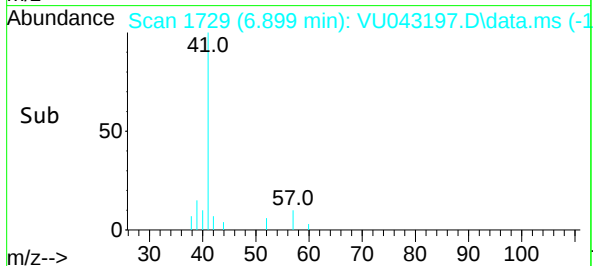
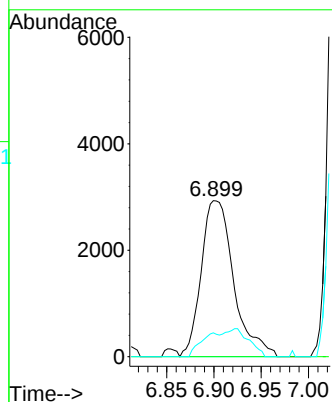
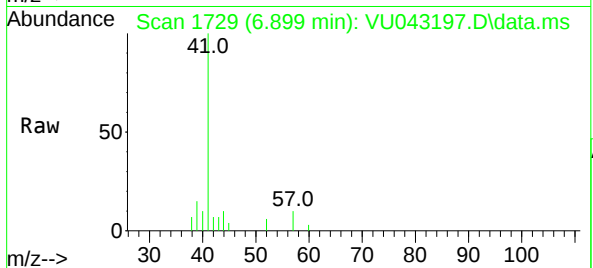
69 0.0 57.0 85.6#

39 0.0 48.4 72.6#

Instrument :

MSVOA_U

ClientSampled :



#49

1,4-Dioxane

Concen: 2.25 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.061 min

Lab File: VU043197.D

Acq: 19 Apr 2021 16:26

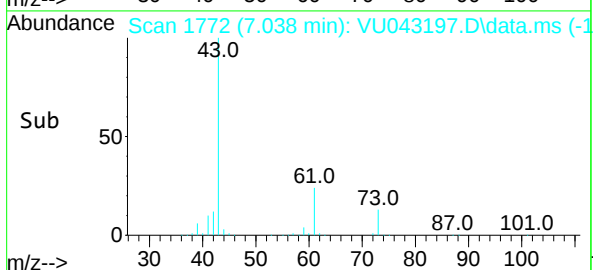
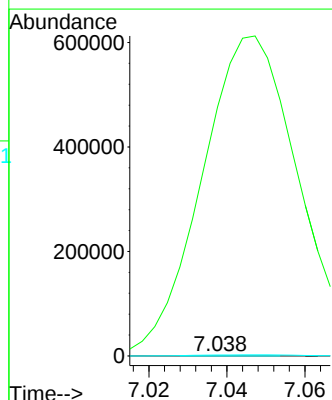
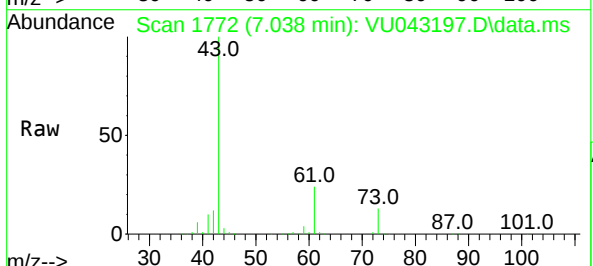
Tgt Ion: 88 Resp: 118

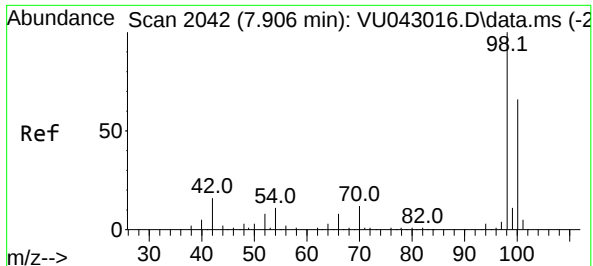
Ion Ratio Lower Upper

88 100

43 917768.6 0.0 0.0#

58 3399.2 60.4 90.6#

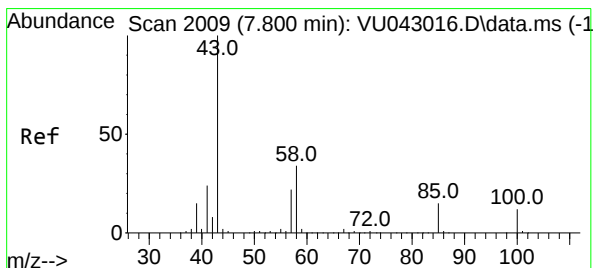
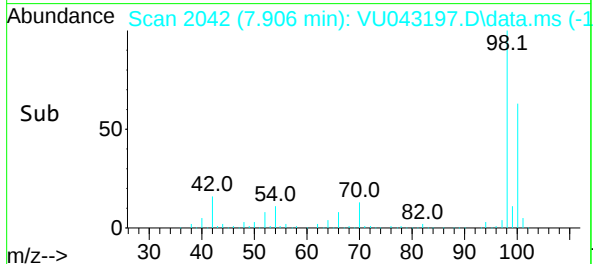
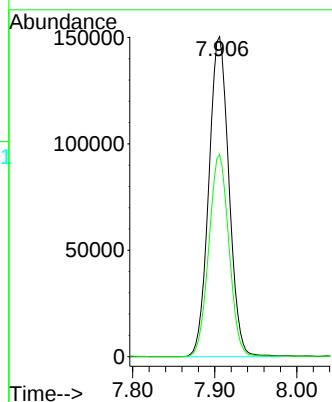
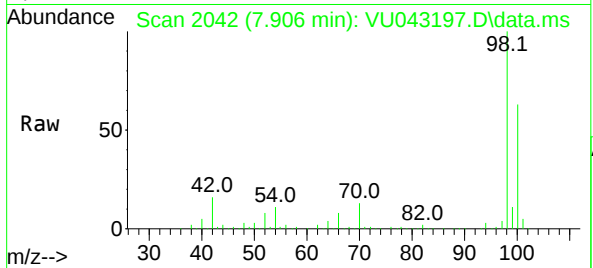




#50
Toluene-d8
Concen: 47.97 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

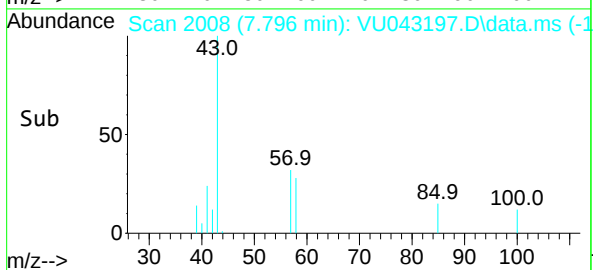
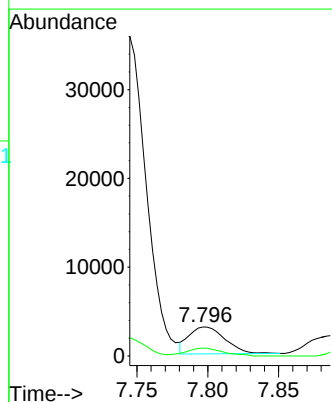
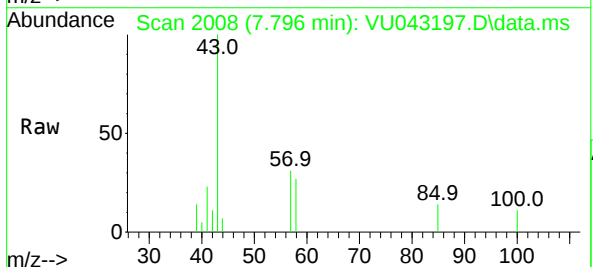
Instrument :
MSVOA_U
ClientSampled :

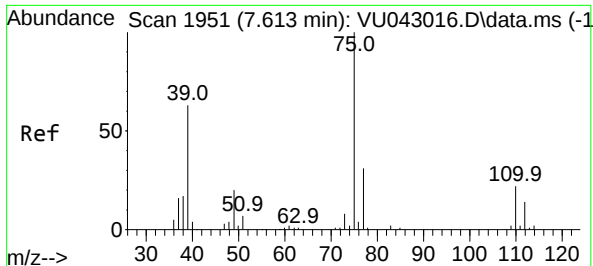
Tgt Ion: 98 Resp: 256608
Ion Ratio Lower Upper
98 100
100 63.1 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.40 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 43 Resp: 5379
Ion Ratio Lower Upper
43 100
58 29.7 28.1 42.1

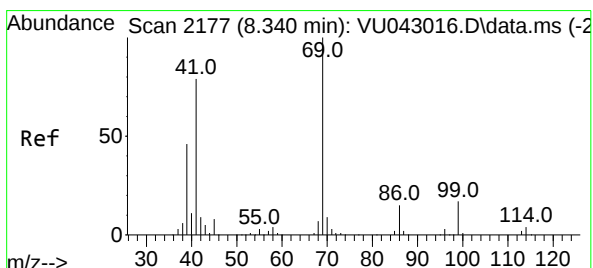
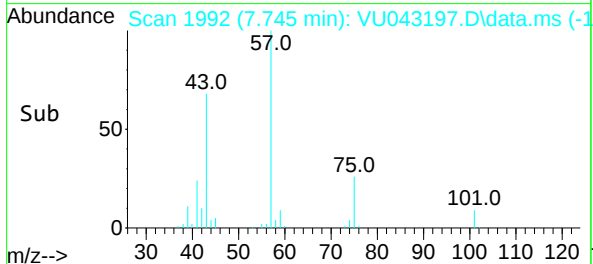
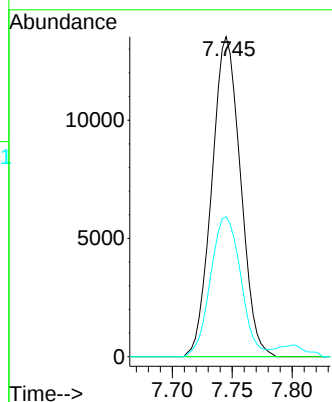
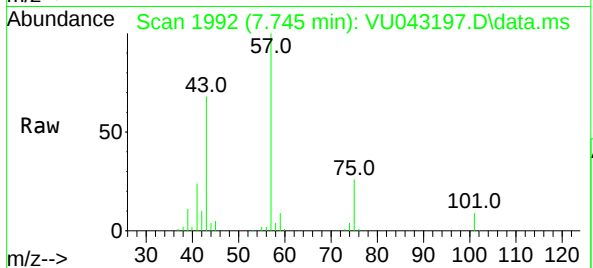




#54
cis-1,3-Dichloropropene
Concen: 8.41 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

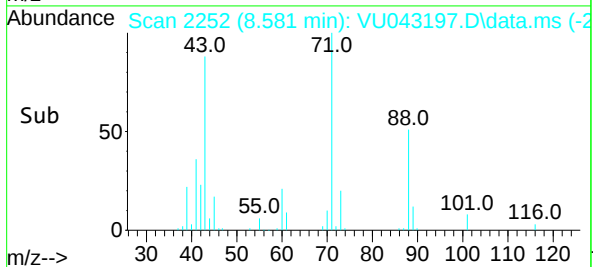
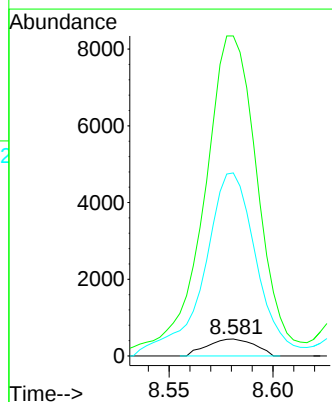
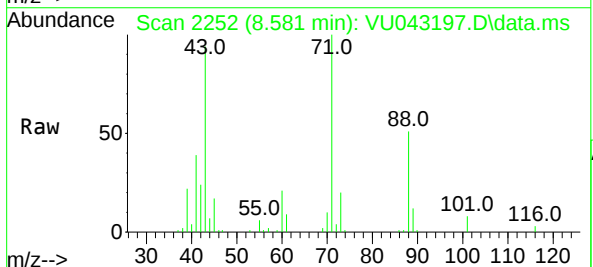
Instrument :
MSVOA_U
ClientSampleId :

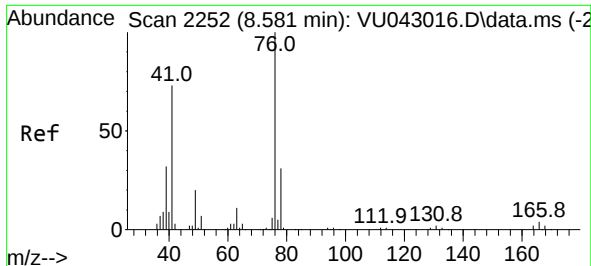
Tgt Ion: 75 Resp: 22490
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 43.7 46.1 69.1#



#56
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.241 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 69 Resp: 701
Ion Ratio Lower Upper
69 100
41 2156.6 62.8 94.2#
39 1195.3 36.2 54.2#

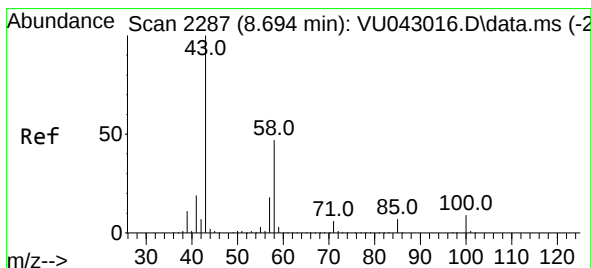
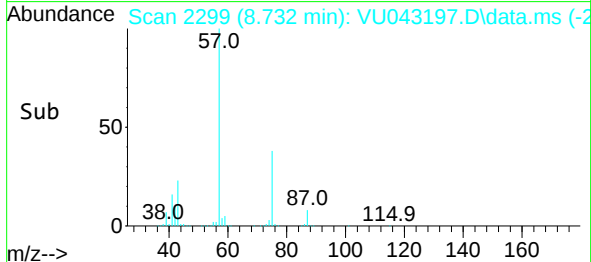
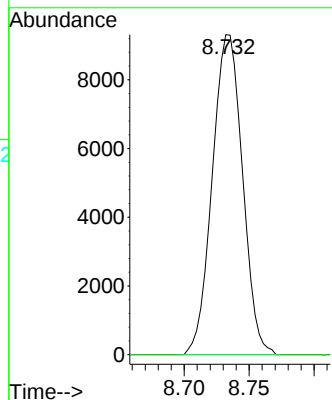
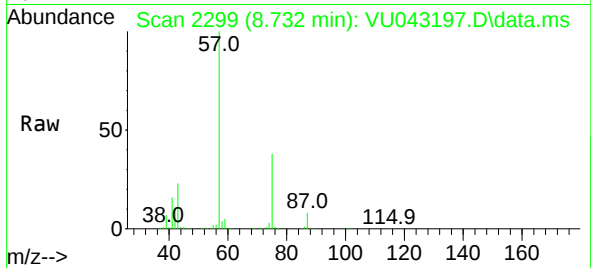




#57
1,3-Dichloropropane
Concen: 5.38 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

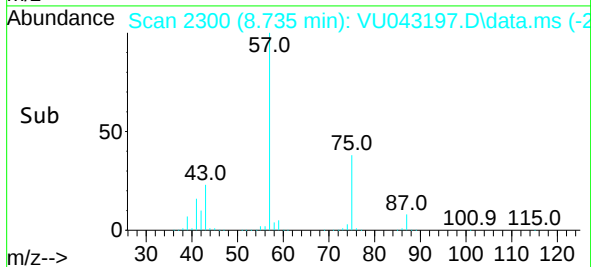
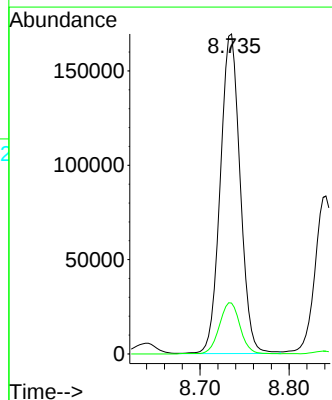
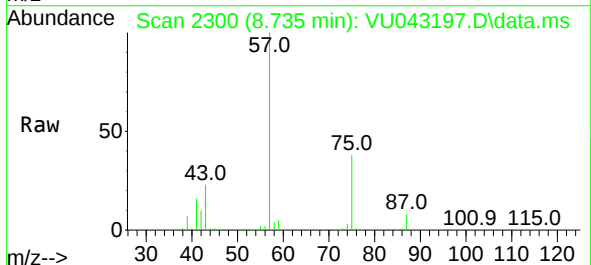
Instrument :
MSVOA_U
ClientSampleId :

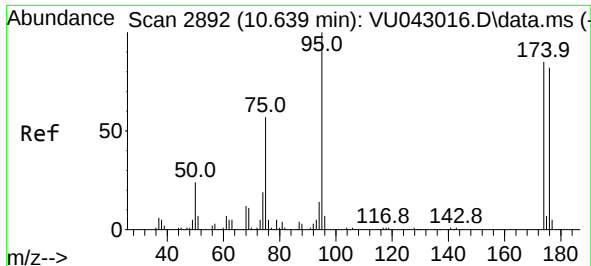
Tgt Ion: 76 Resp: 15060
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 82.94 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 43 Resp: 262966
Ion Ratio Lower Upper
43 100
58 16.4 24.0 72.0#

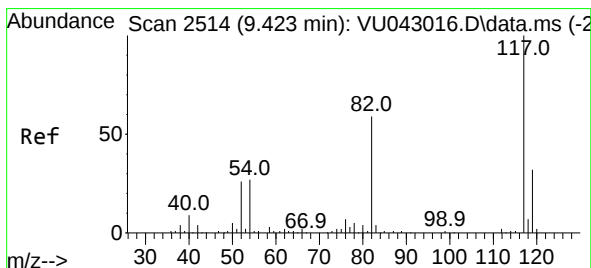
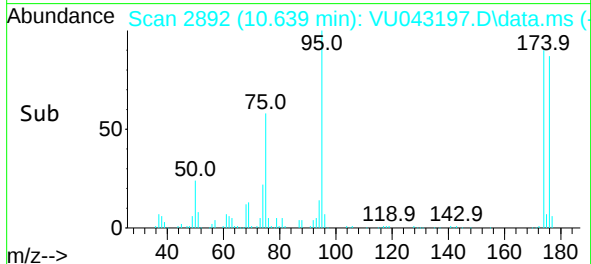
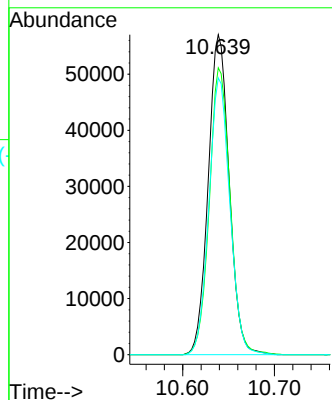
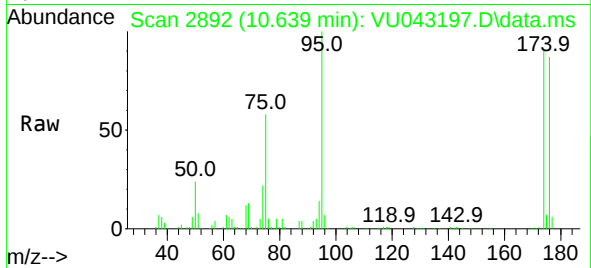




#62
4-Bromofluorobenzene
Concen: 42.39 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

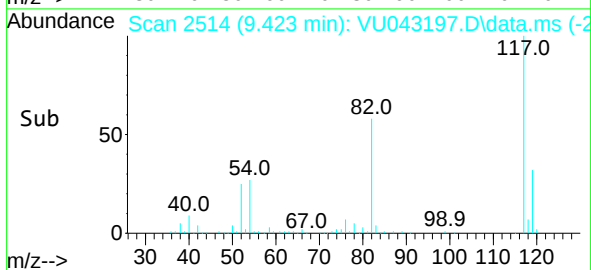
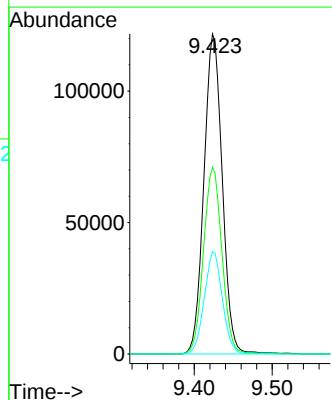
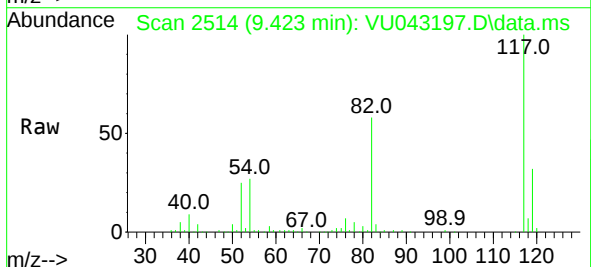
Instrument :
MSVOA_U
ClientSampleId :

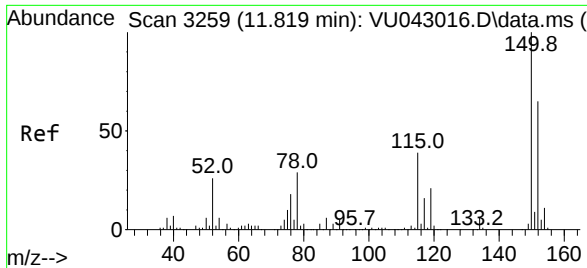
Tgt Ion: 95 Resp: 90792
Ion Ratio Lower Upper
95 100
174 89.0 0.0 172.2
176 86.4 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

Tgt Ion: 117 Resp: 199096
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.6
119 32.0 25.8 38.8

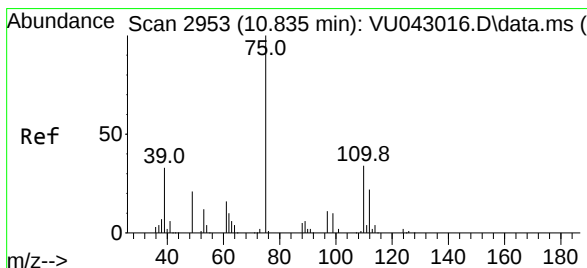
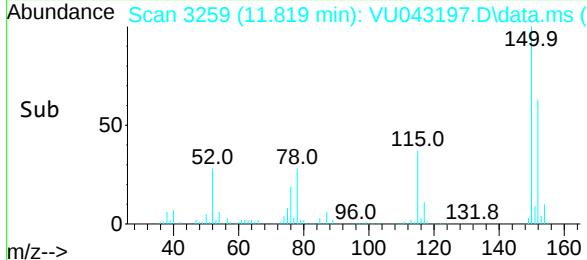
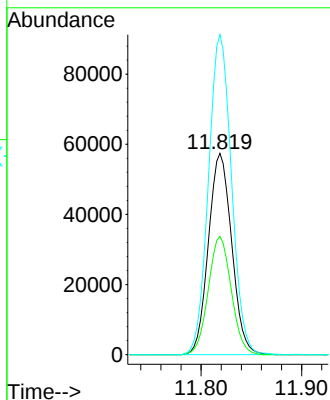
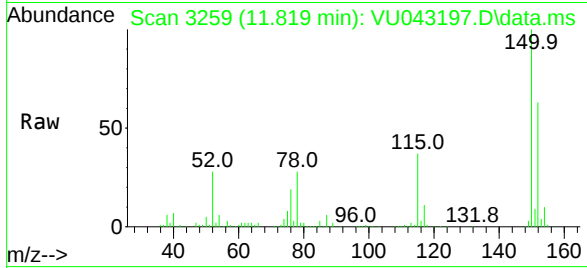




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043197.D
 Acq: 19 Apr 2021 16:26

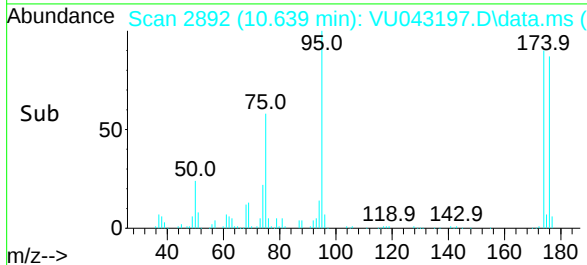
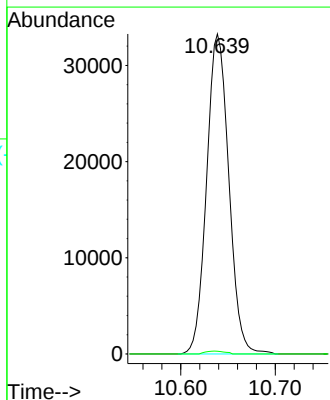
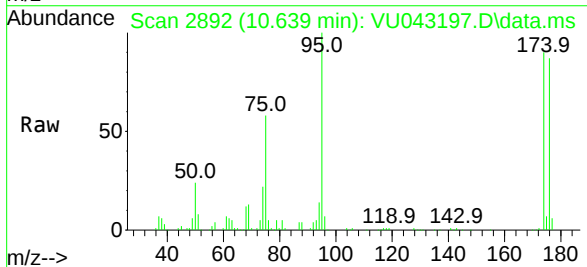
Instrument :
 MSVOA_U
 ClientSampled :

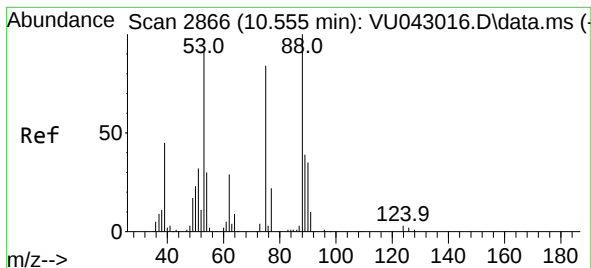
Tgt Ion:152 Resp: 92496
 Ion Ratio Lower Upper
 152 100
 115 57.8 41.5 124.6
 150 157.1 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 20.06 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043197.D
 Acq: 19 Apr 2021 16:26

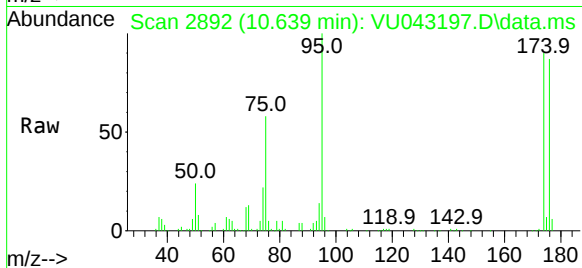
Tgt Ion: 75 Resp: 54226
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.2 60.5#



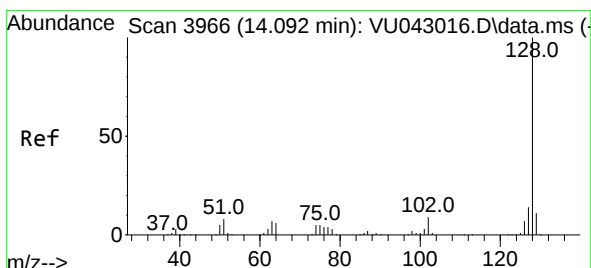
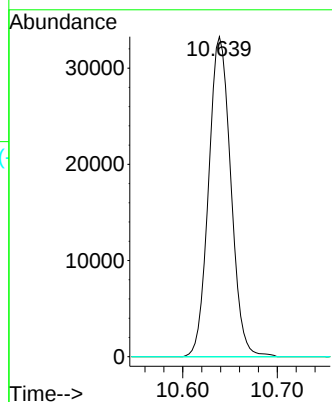
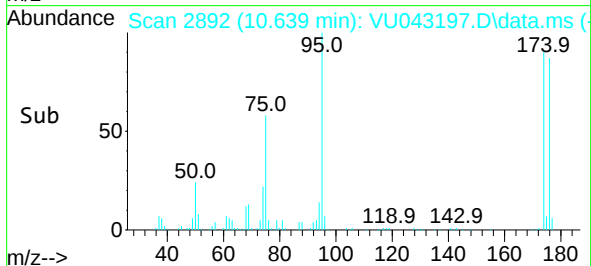


#81
trans-1,4-Dichloro-2-butene
Concen: 58.95 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26

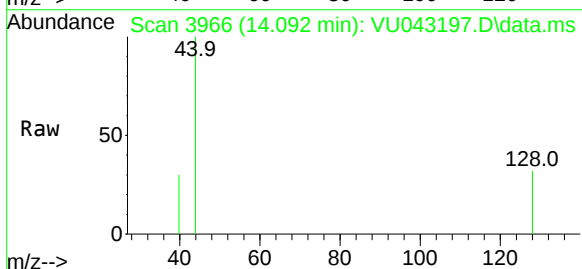
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 54226
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 2.75 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU043197.D
Acq: 19 Apr 2021 16:26



Tgt Ion: 128 Resp: 46
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

