

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044182.D
 Acq On : 14 Jun 2021 15:33
 Operator : SY/MD
 Sample : M2672-26
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:46:05 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)

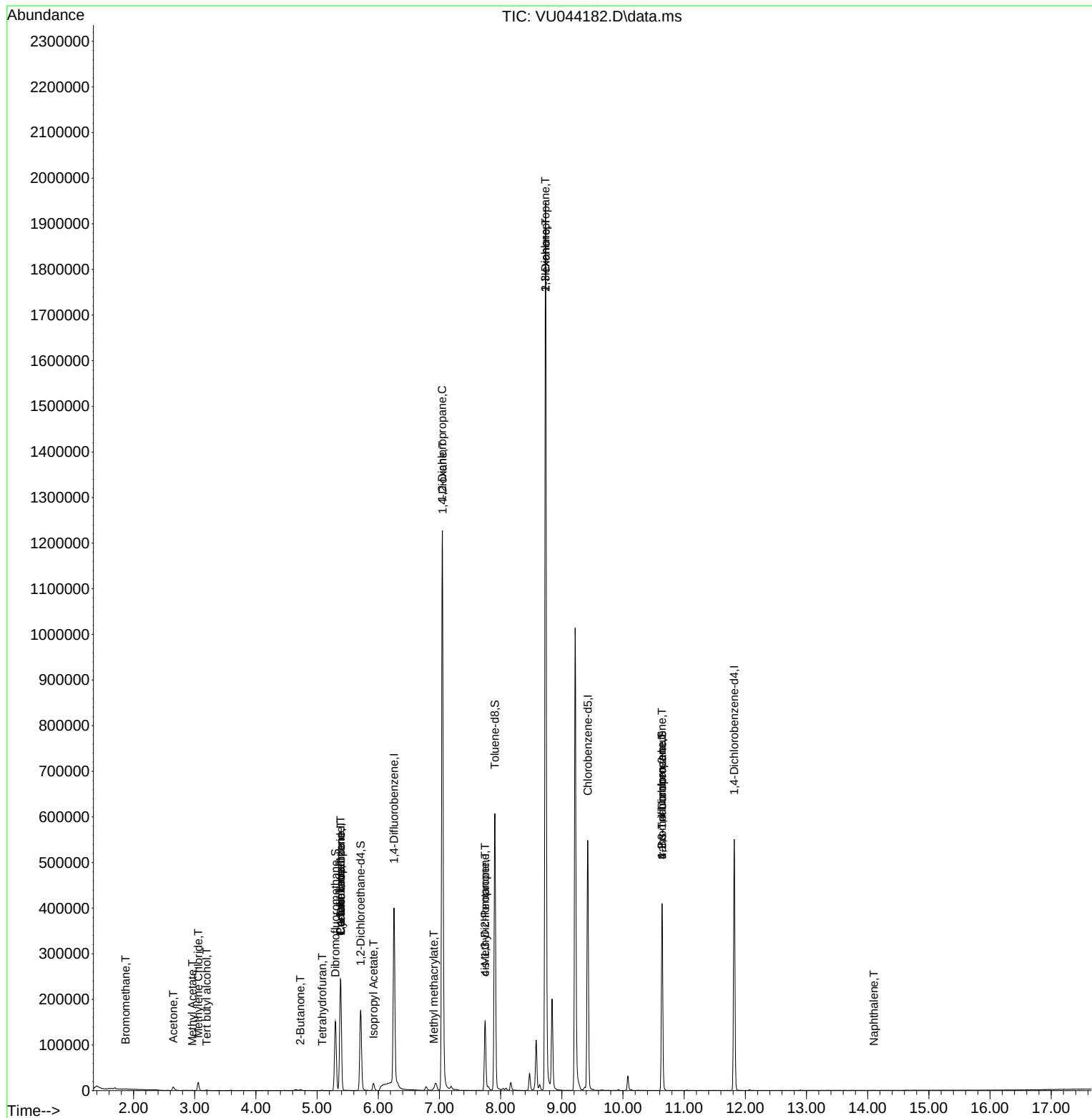
Internal Standards						
1) Pentafluorobenzene	5.382	168	159383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.257	114	298335	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	296063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	137960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	132397	52.236	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.480%	
35) Dibromofluoromethane	5.298	113	99518	47.953	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.900%	
50) Toluene-d8	7.906	98	392074	49.193	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.380%	
62) 4-Bromofluorobenzene	10.639	95	140435	43.968	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.524	50	382	Below Cal	#	41
5) Bromomethane	1.871	94	246	0.222	ug/l	85
6) Chloroethane	1.929	64	270	Below Cal	#	42
11) Tert butyl alcohol	3.196	59	917	1.345	ug/l	# 73
16) Acetone	2.649	43	12540	7.505	ug/l	97
18) Methyl Acetate	2.961	43	1126	0.345	ug/l	# 50
20) Methylene Chloride	3.057	84	8623	2.640	ug/l	97
25) 2-Butanone	4.726	43	4183	1.977	ug/l	99
29) Tetrahydrofuran	5.083	42	569	0.495	ug/l	# 68
31) Cyclohexane	5.385	56	4022	1.124	ug/l	# 1
36) 1,1-Dichloropropene	5.385	75	14538	4.380	ug/l	# 50
38) Carbon Tetrachloride	5.382	117	17428	5.816	ug/l	# 16
43) Isopropyl Acetate	5.922	43	17664	3.132	ug/l	97
45) 1,2-Dichloropropane	7.044	63	1682	0.630	ug/l	# 43
48) Methyl methacrylate	6.906	41	6433	2.344	ug/l	# 11
49) 1,4-Dioxane	7.051	88	74	1.031	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.745	43	54326	13.310	ug/l	# 45
54) cis-1,3-Dichloropropene	7.745	75	29242	7.310	ug/l	# 64
57) 1,3-Dichloropropane	8.732	76	21282	4.899	ug/l	# 42
59) 2-Hexanone	8.736	43	270738	83.116	ug/l	# 48
76) 1,2,3-Trichloropropane	10.639	75	72085	15.584	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.639	75	72085	56.492	ug/l	# 13
95) Naphthalene	14.102	128	403	2.875	ug/l	# 69

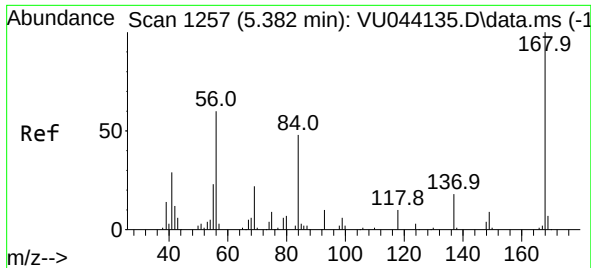
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
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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

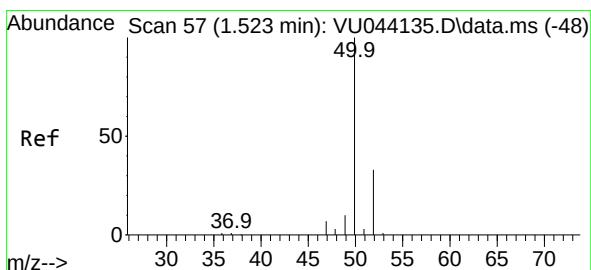
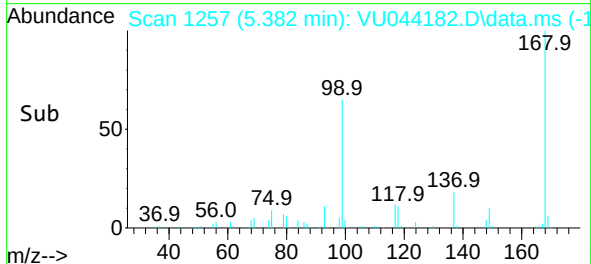
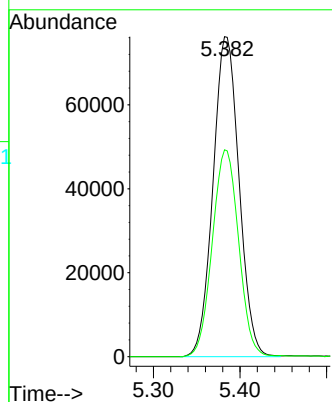
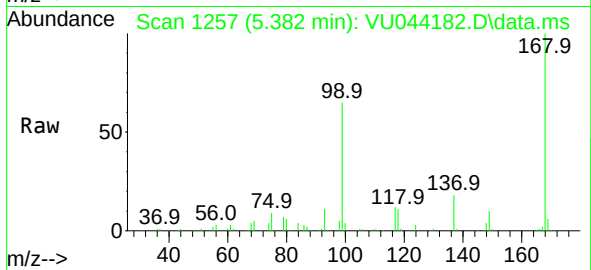




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

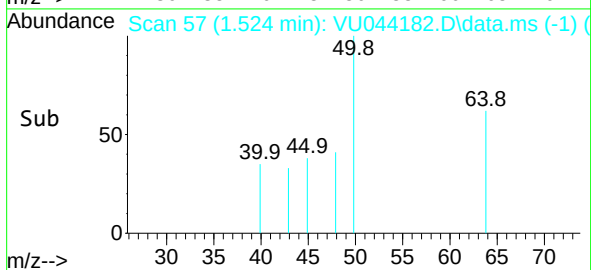
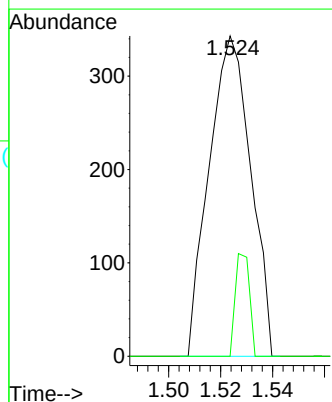
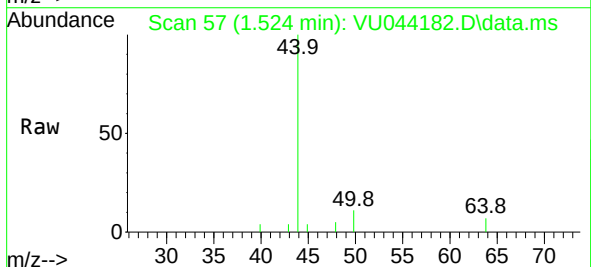
Instrument :
MSVOA_U
ClientSampleId :

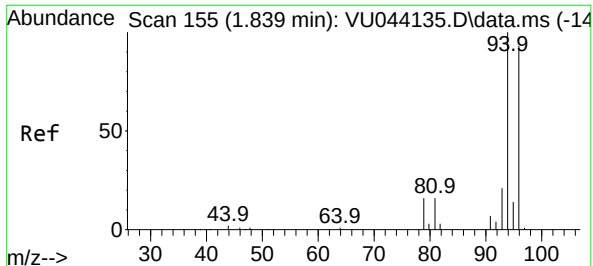
Tgt Ion:168 Resp: 159383
Ion Ratio Lower Upper
168 100
99 64.7 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.001 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 50 Resp: 382
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

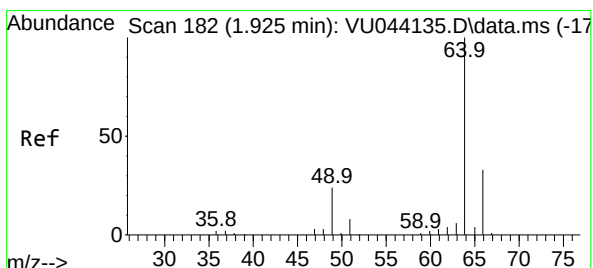
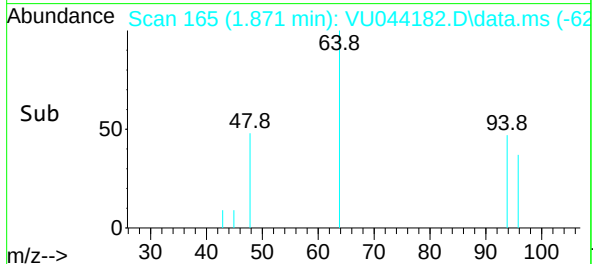
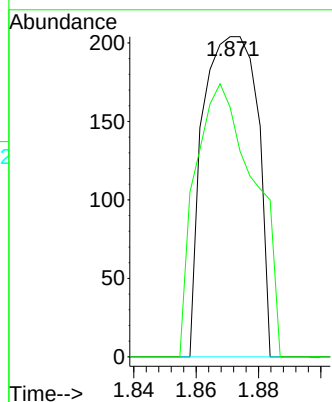
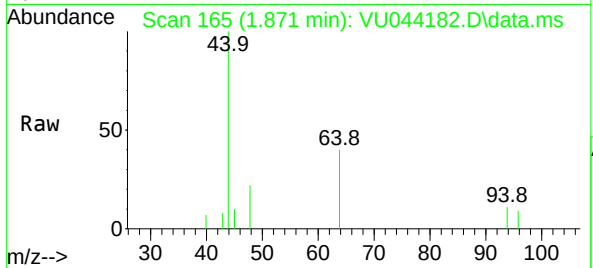




#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.871 min Scan# 165
Delta R.T. 0.032 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

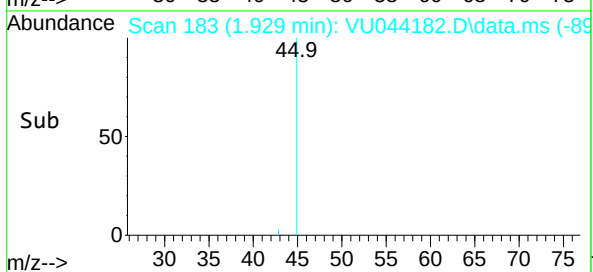
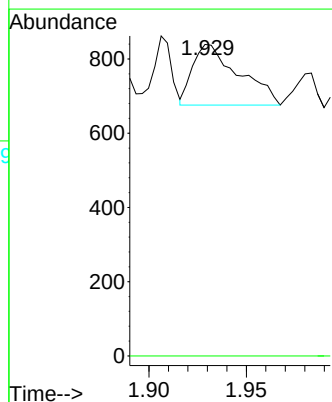
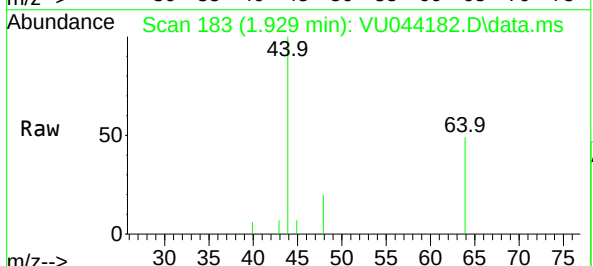
Instrument :
MSVOA_U
ClientSampleId :

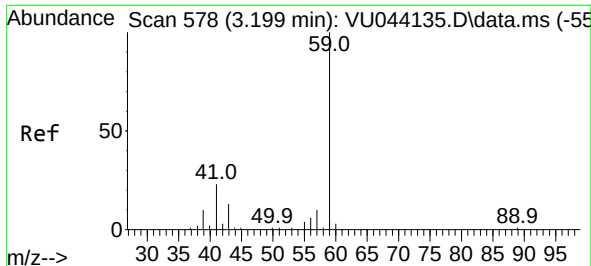
Tgt Ion: 94 Resp: 246
Ion Ratio Lower Upper
94 100
96 77.9 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.929 min Scan# 183
Delta R.T. 0.004 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

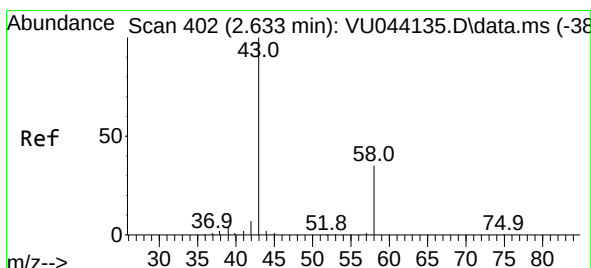
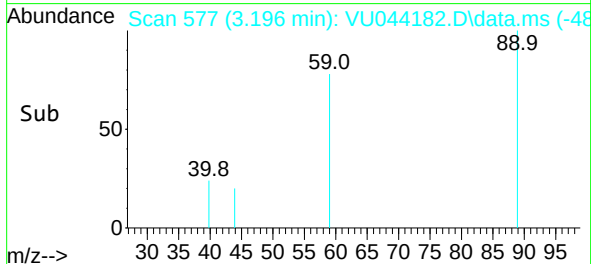
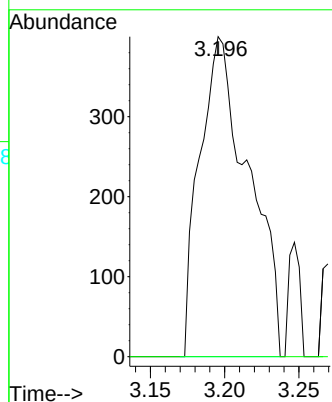
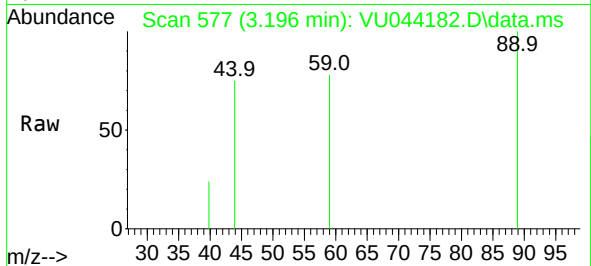




#11
Tert butyl alcohol
Concen: 1.345 ug/l
RT: 3.196 min Scan# 577
Delta R.T. -0.003 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

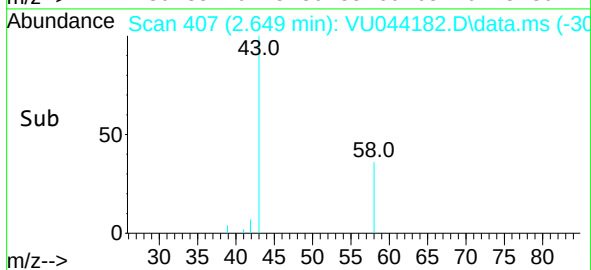
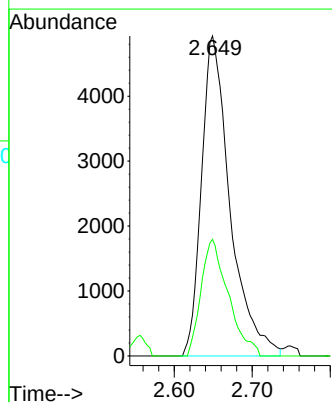
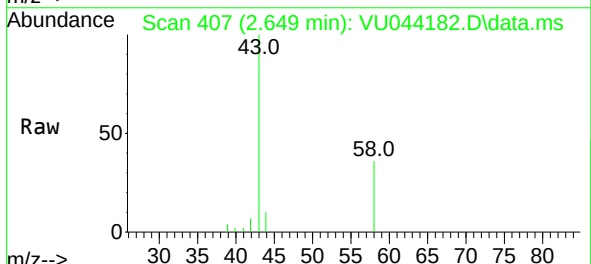
Instrument :
MSVOA_U
ClientSampled :

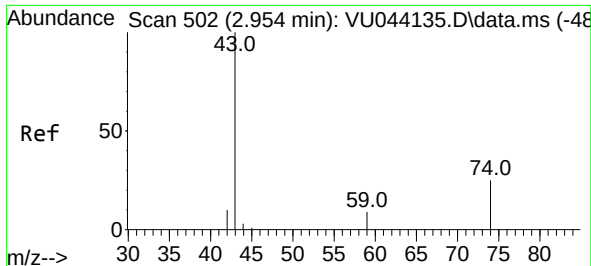
Tgt Ion: 59 Resp: 917
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 7.505 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.016 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 43 Resp: 12540
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0

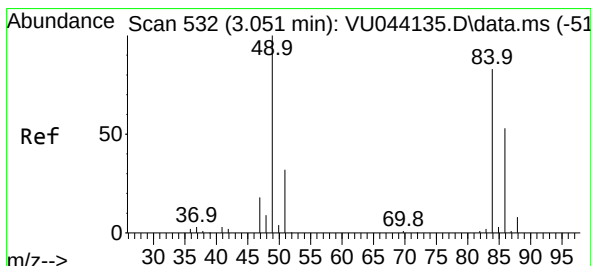
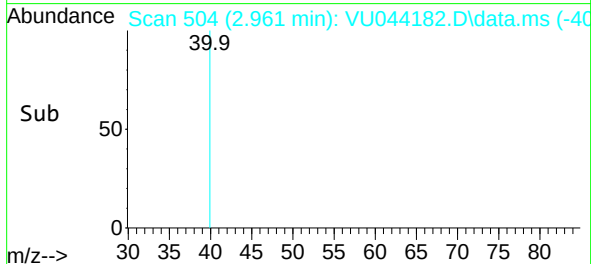
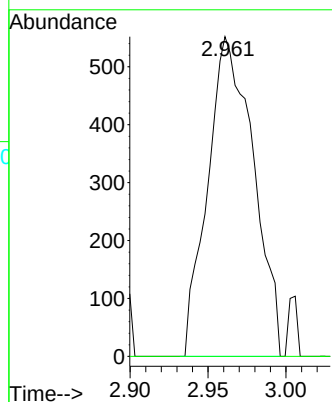
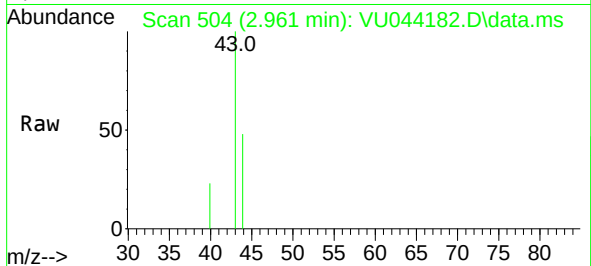




#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

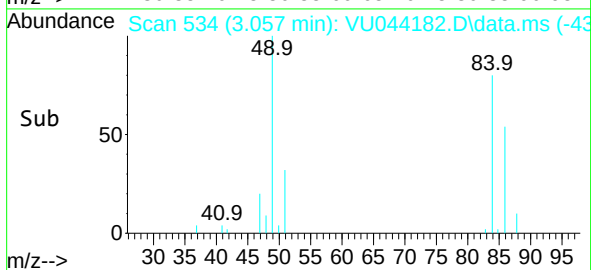
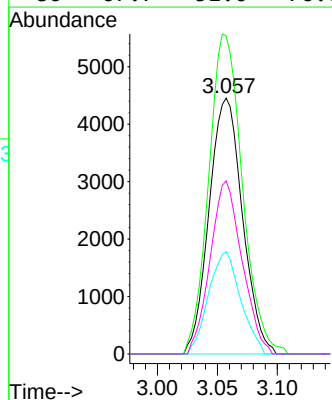
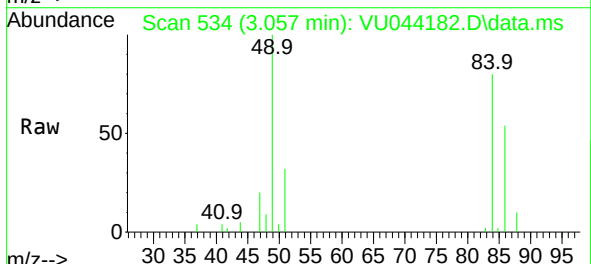
Instrument :
MSVOA_U
ClientSampled :

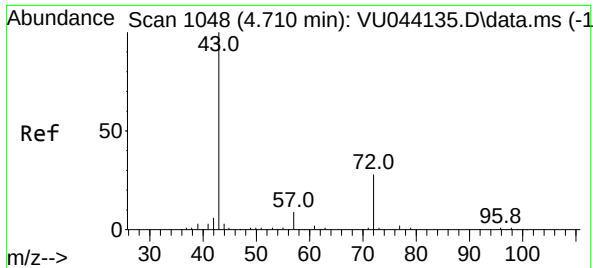
Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 2.640 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 84 Resp: 8623
Ion Ratio Lower Upper
84 100
49 124.4 96.9 145.3
51 40.0 31.0 46.6
86 67.7 51.0 76.6

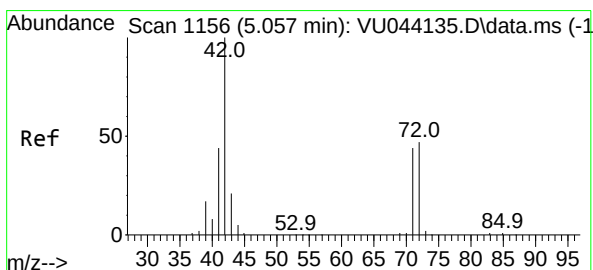
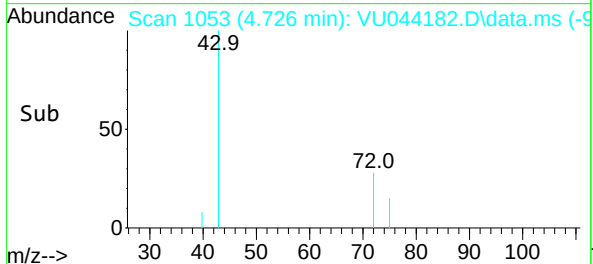
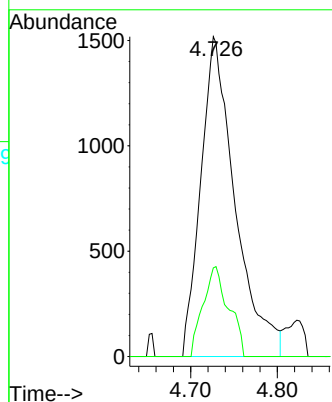
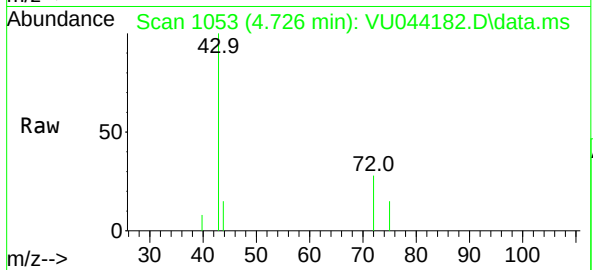




#25
2-Butanone
Concen: 1.977 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.016 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

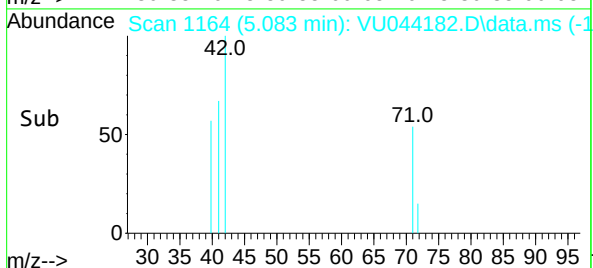
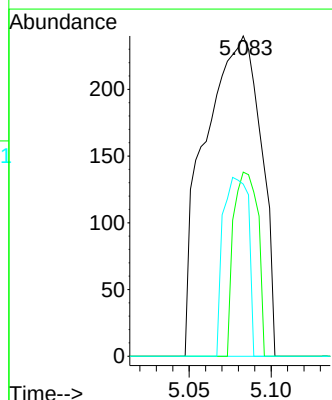
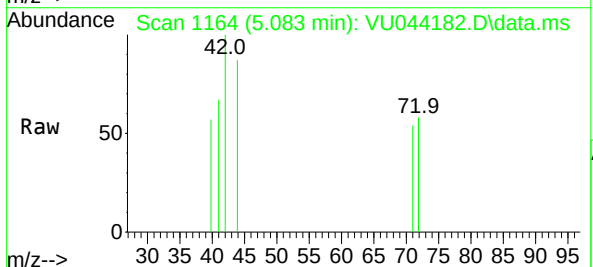
Instrument :
MSVOA_U
ClientSampled :

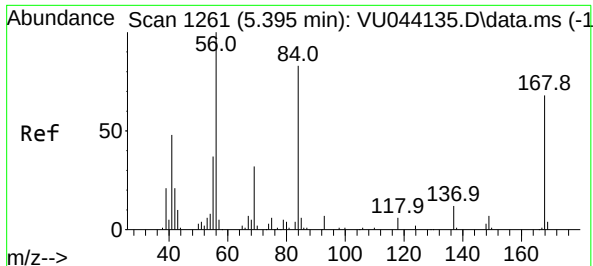
Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
72 27.7 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.495 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. 0.026 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 42 Resp: 569
Ion Ratio Lower Upper
42 100
72 24.6 38.6 57.8#
71 25.1 35.5 53.3#

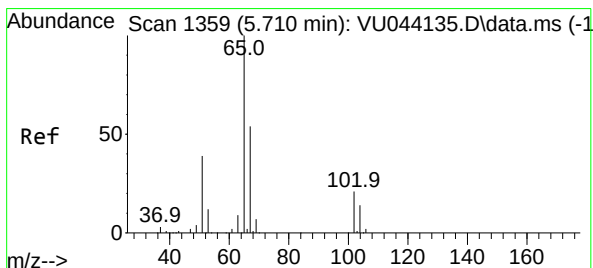
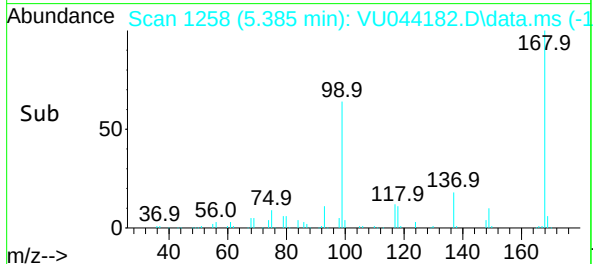
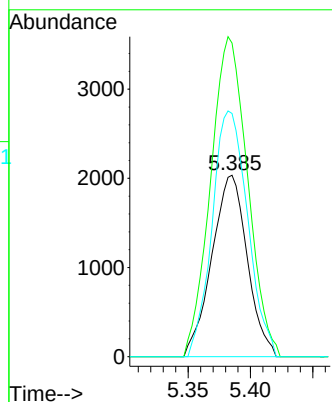
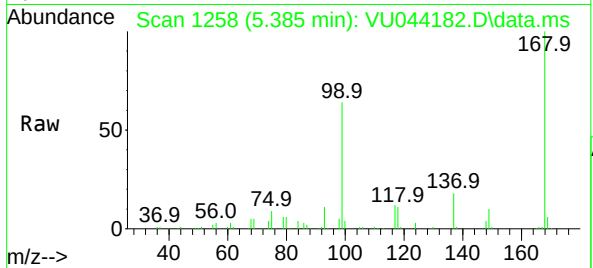




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.010 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

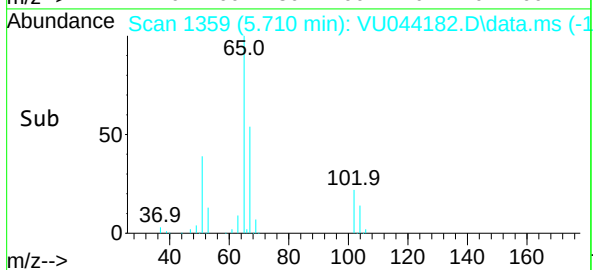
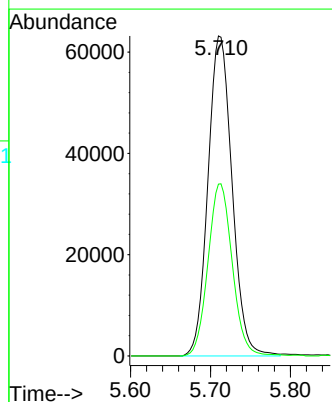
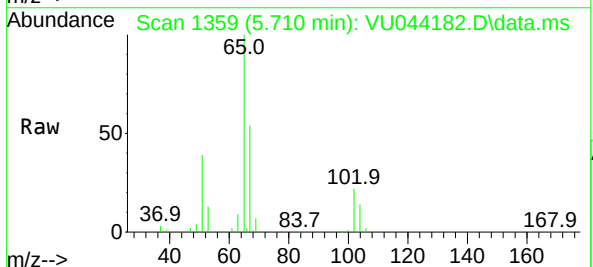
Instrument :
MSVOA_U
ClientSampled :

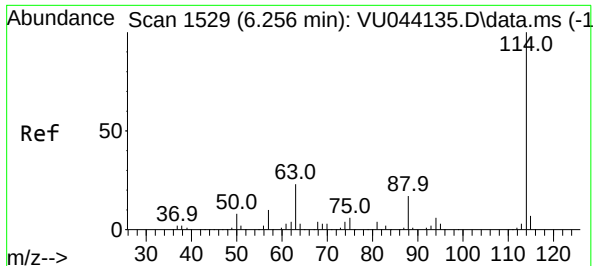
Tgt Ion: 56 Resp: 4022
Ion Ratio Lower Upper
56 100
69 173.0 25.5 38.3#
84 134.1 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 52.236 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 65 Resp: 132397
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.257 min Scan# 1529

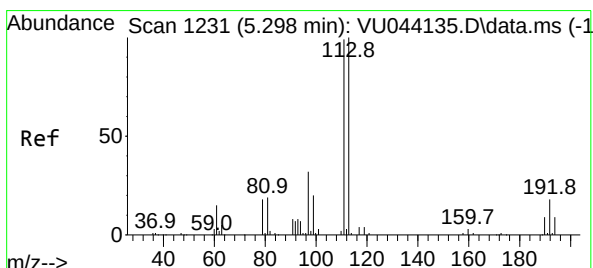
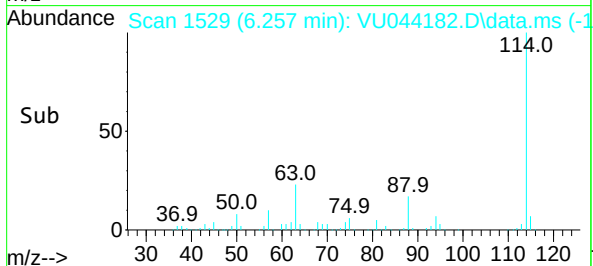
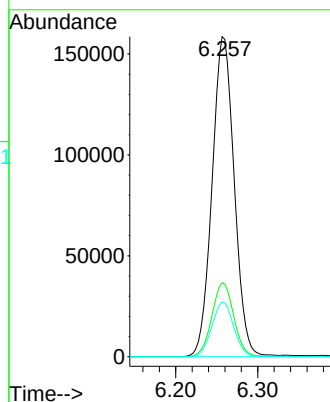
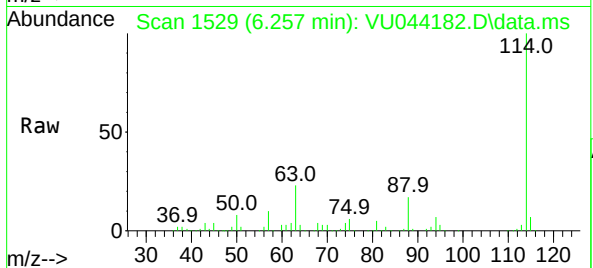
Delta R.T. 0.001 min

Lab File: VU044182.D

Acq: 14 Jun 2021 15:33

Tgt Ion:	114	Resp:	298335
Ion Ratio	Lower	Upper	
114	100		
63	23.1	0.0	45.8
88	17.0	0.0	34.0

Instrument :
MSVOA_U
ClientSampleId :



#35

Dibromofluoromethane

Concen: 47.953 ug/l

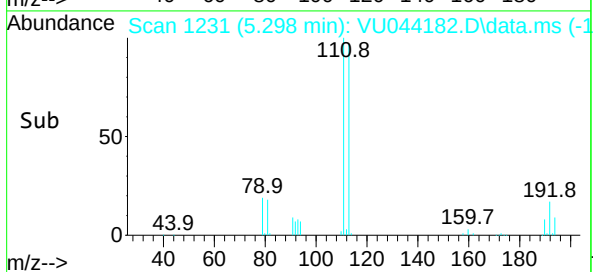
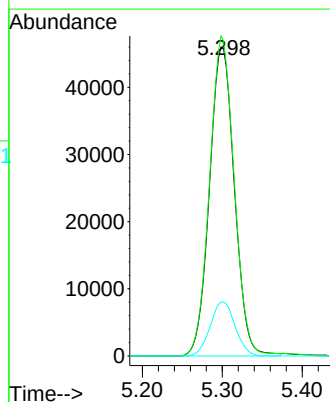
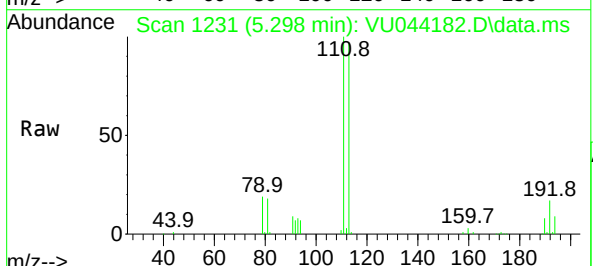
RT: 5.298 min Scan# 1231

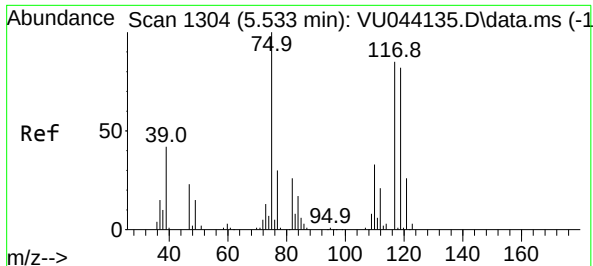
Delta R.T. 0.000 min

Lab File: VU044182.D

Acq: 14 Jun 2021 15:33

Tgt Ion:	113	Resp:	99518
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.0	121.4
192	17.5	14.3	21.5

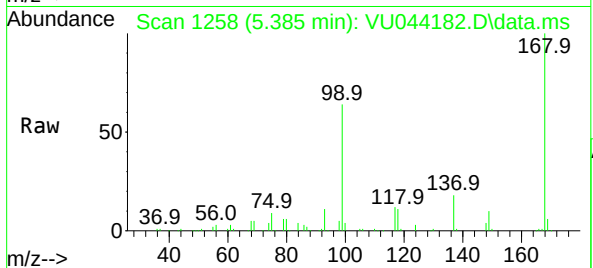




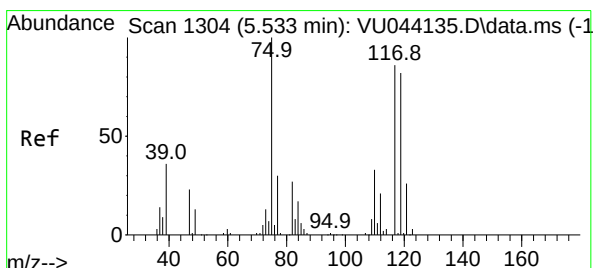
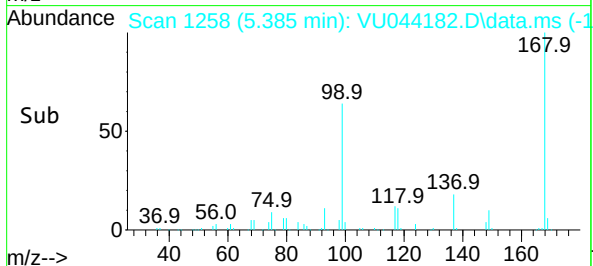
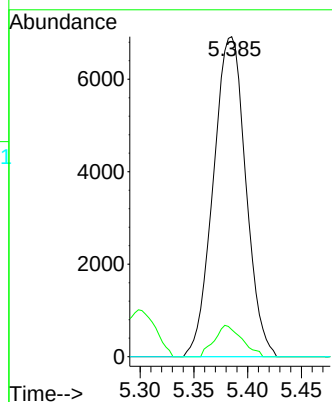
#36

1,1-Dichloropropene
Concen: 4.380 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Instrument :
MSVOA_U
ClientSampled :

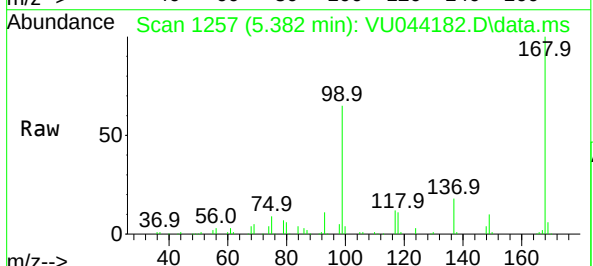


Tgt Ion: 75 Resp: 14538
Ion Ratio Lower Upper
75 100
110 8.2 16.4 49.4#
77 0.0 24.7 37.1#

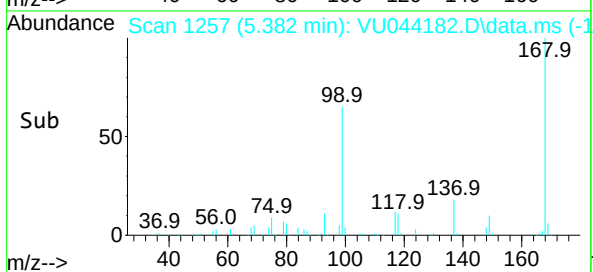
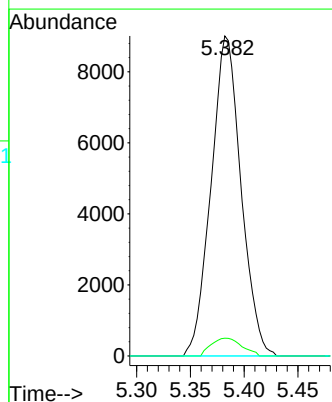


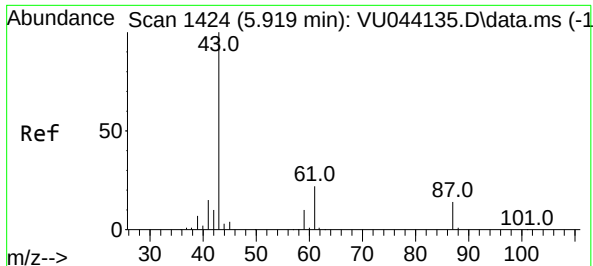
#38

Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33



Tgt Ion: 117 Resp: 17428
Ion Ratio Lower Upper
117 100
119 5.6 76.6 114.8#
121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 3.132 ug/l

RT: 5.922 min Scan# 1425

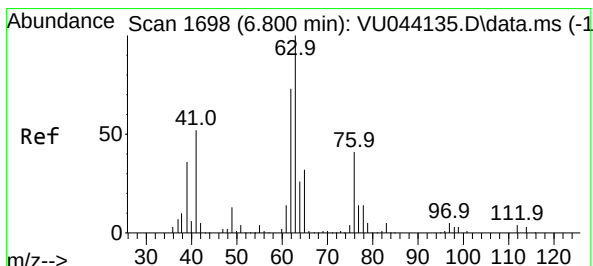
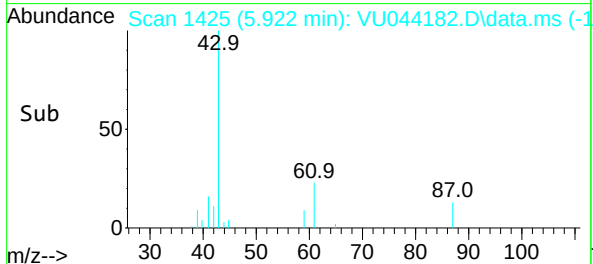
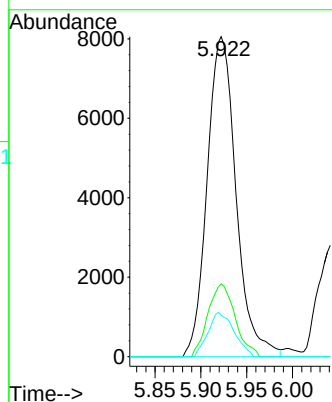
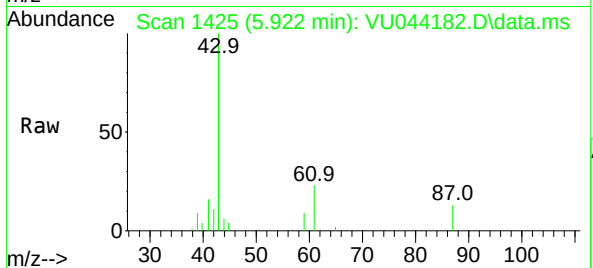
Delta R.T. 0.003 min

Lab File: VU044182.D

Acq: 14 Jun 2021 15:33

Tgt Ion: 43	Resp: 17664
Ion Ratio	Lower Upper
43 100	
61 21.4	17.8 26.8
87 12.4	11.1 16.7

Instrument :
MSVOA_U
ClientSampled :



#45

1,2-Dichloropropane

Concen: 0.630 ug/l

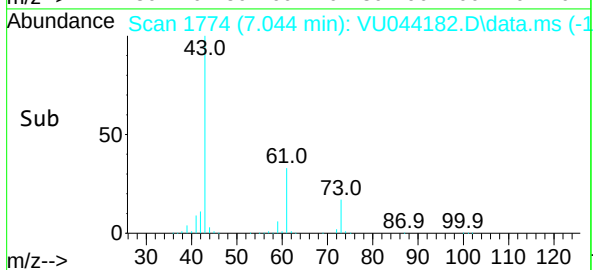
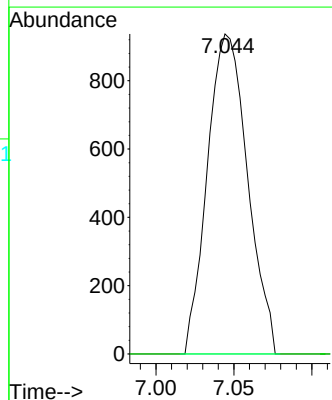
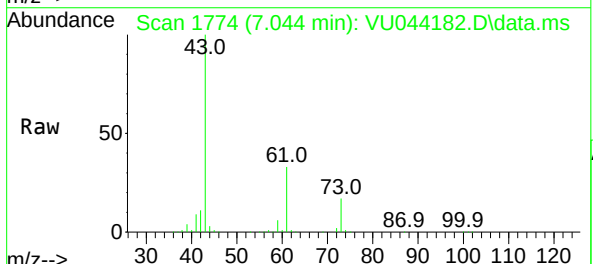
RT: 7.044 min Scan# 1774

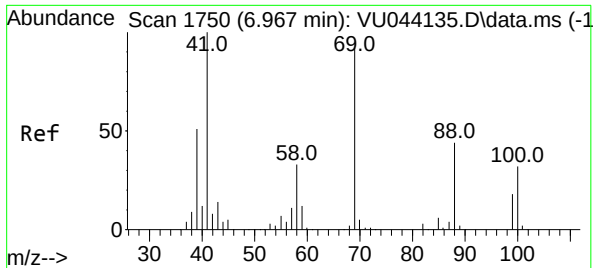
Delta R.T. 0.244 min

Lab File: VU044182.D

Acq: 14 Jun 2021 15:33

Tgt Ion: 63	Resp: 1682
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

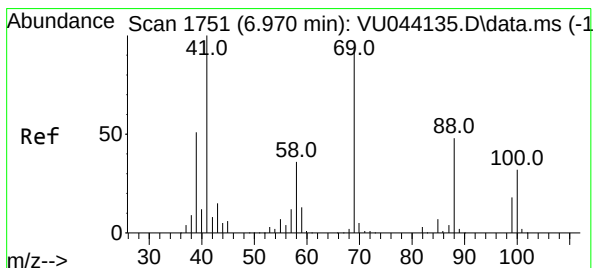
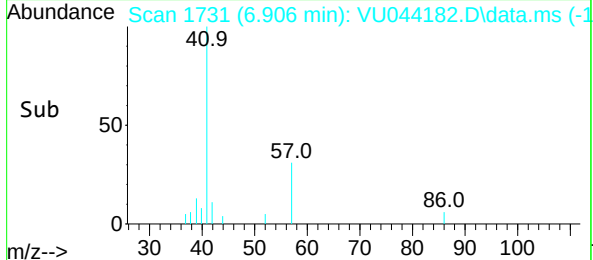
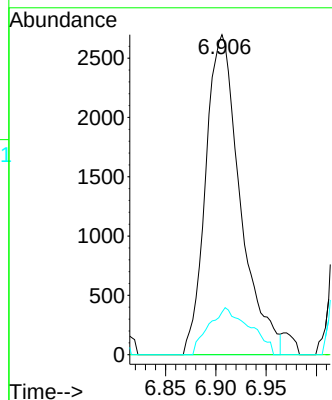
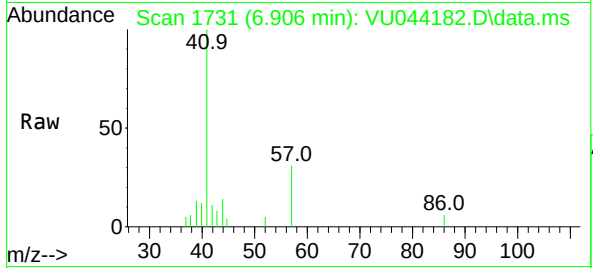




#48
Methyl methacrylate
Concen: 2.344 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

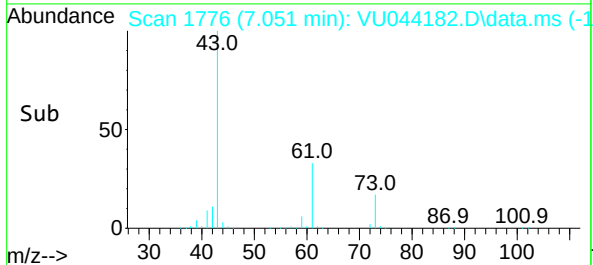
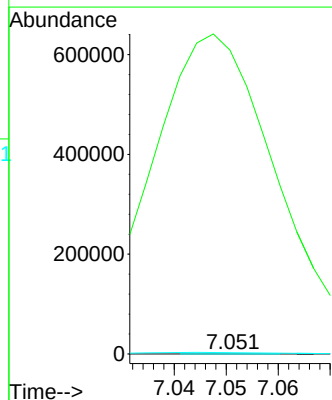
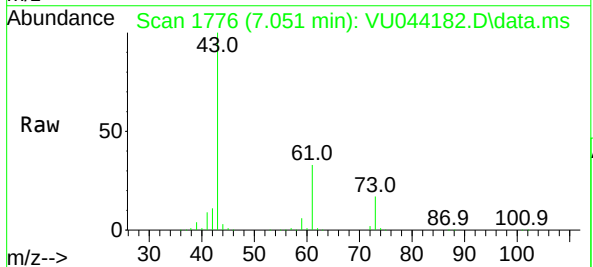
Instrument :
MSVOA_U
ClientSampled :

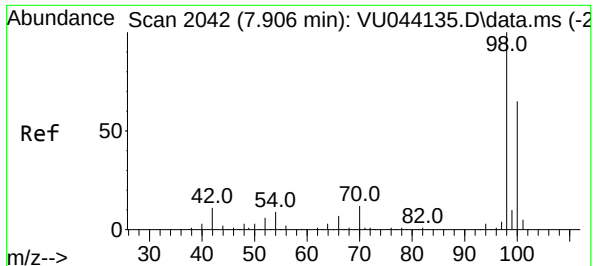
Tgt Ion: 41 Resp: 6433
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 1.031 ug/l
RT: 7.051 min Scan# 1776
Delta R.T. 0.081 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 1560854.1 23.4 35.0#
58 8183.8 58.1 87.1#

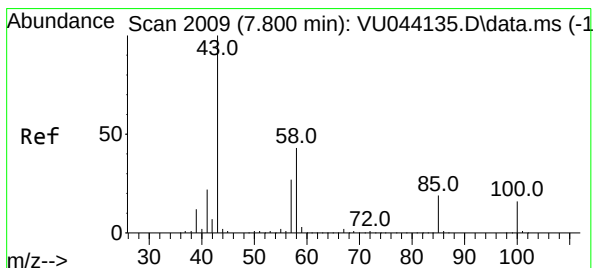
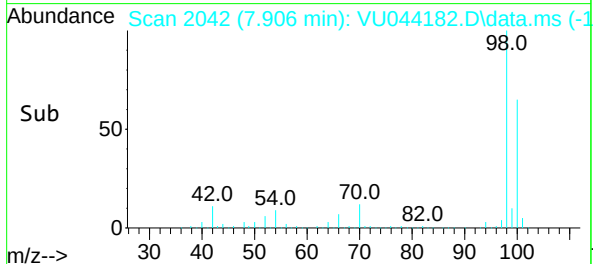
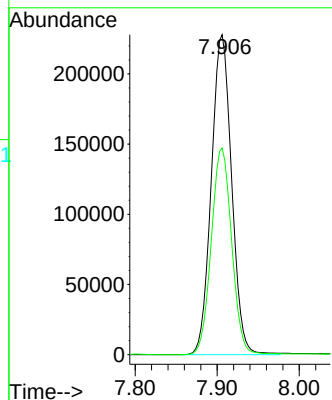
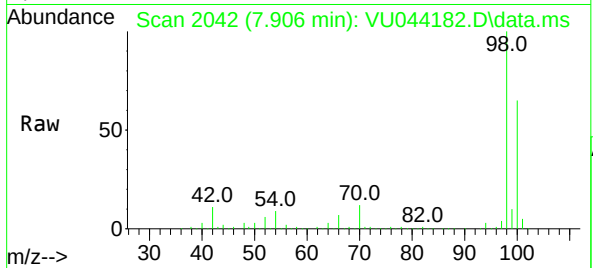




#50
Toluene-d8
Concen: 49.193 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

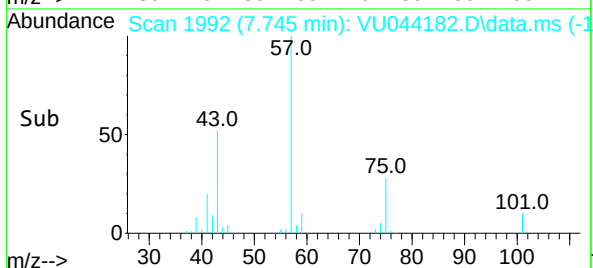
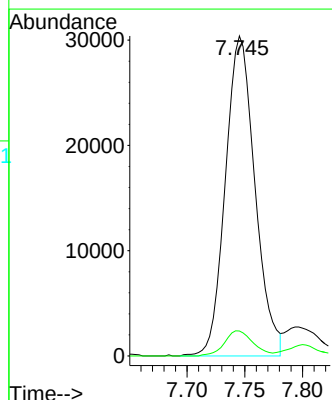
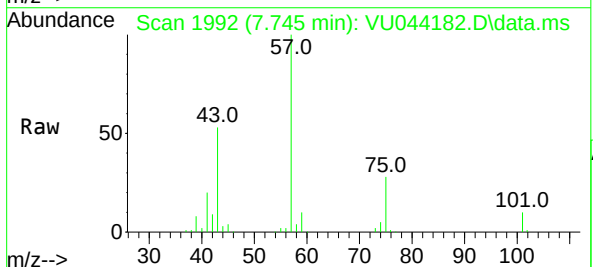
Instrument :
MSVOA_U
ClientSampled :

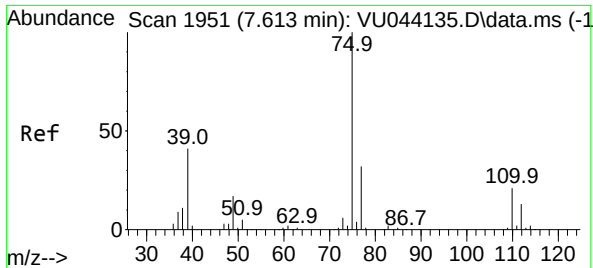
Tgt Ion: 98 Resp: 392074
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 13.310 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. -0.055 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 43 Resp: 54326
Ion Ratio Lower Upper
43 100
58 7.6 34.5 51.7#

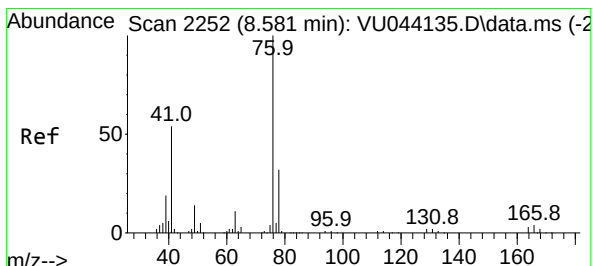
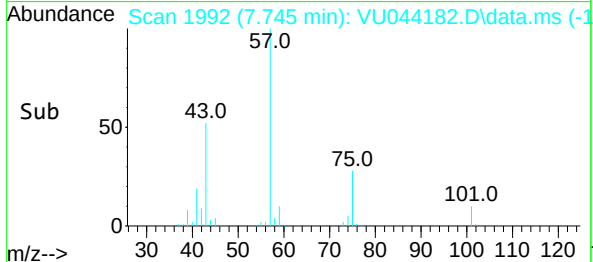
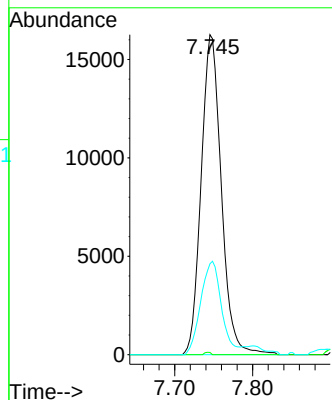
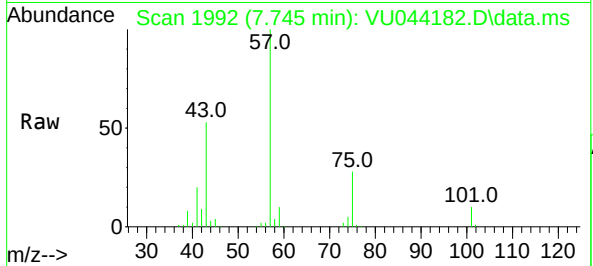




#54
 cis-1,3-Dichloropropene
 Concen: 7.310 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044182.D
 Acq: 14 Jun 2021 15:33

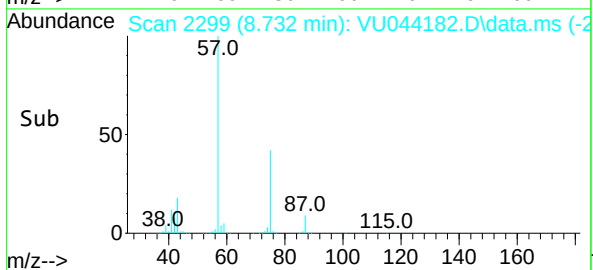
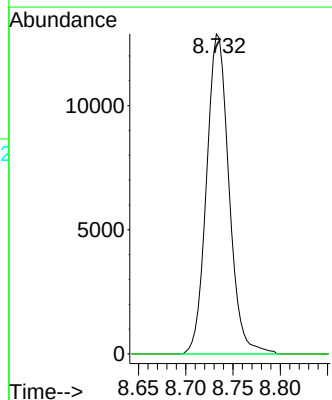
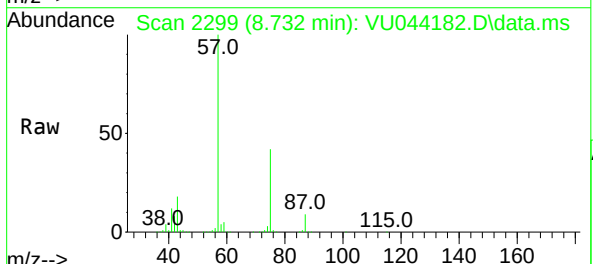
Instrument :
 MSVOA_U
 ClientSampled :

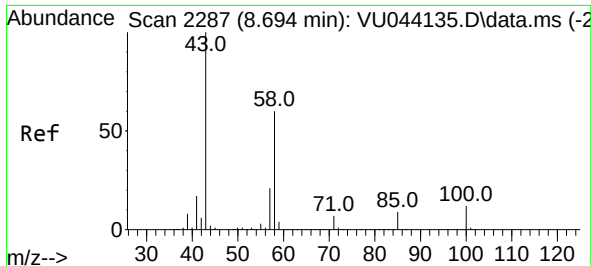
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.7	25.9	38.9#
39	28.4	33.2	49.8#



#57
 1,3-Dichloropropane
 Concen: 4.899 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.151 min
 Lab File: VU044182.D
 Acq: 14 Jun 2021 15:33

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

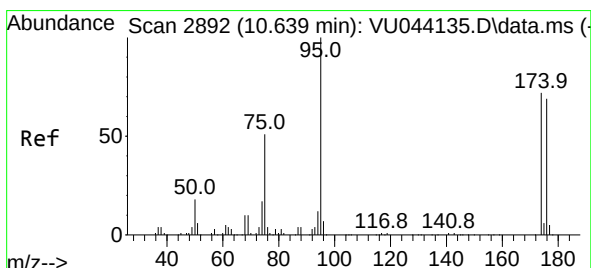
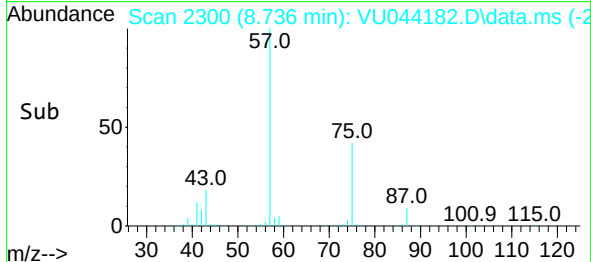
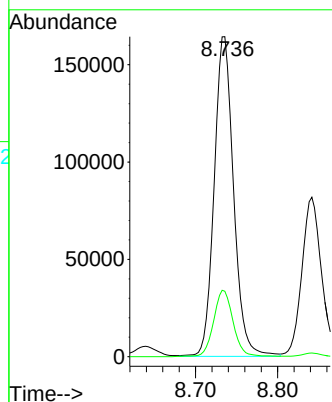
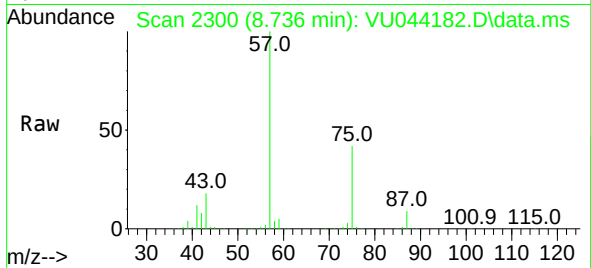




#59
2-Hexanone
Concen: 83.116 ug/l
RT: 8.736 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

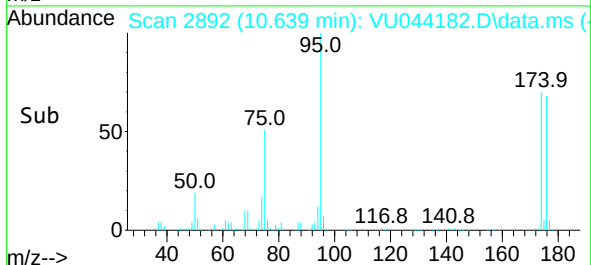
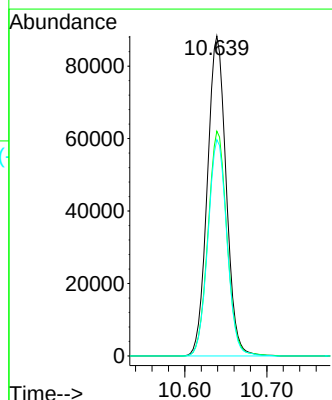
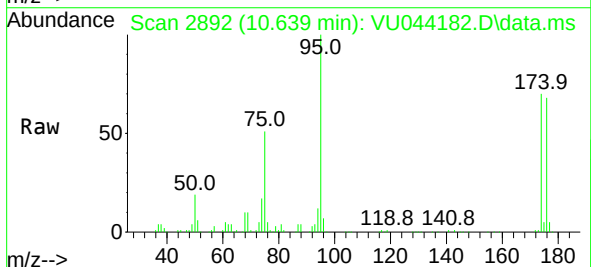
Instrument :
MSVOA_U
ClientSampled :

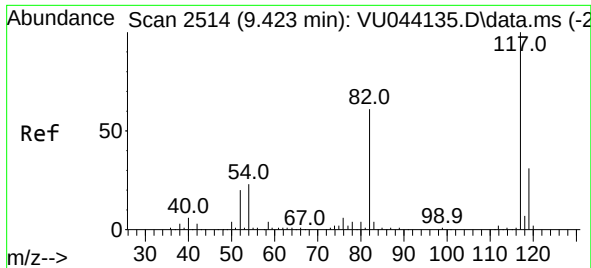
Tgt Ion: 43 Resp: 270738
Ion Ratio Lower Upper
43 100
58 21.1 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 43.968 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion: 95 Resp: 140435
Ion Ratio Lower Upper
95 100
174 70.9 0.0 144.4
176 68.2 0.0 138.0

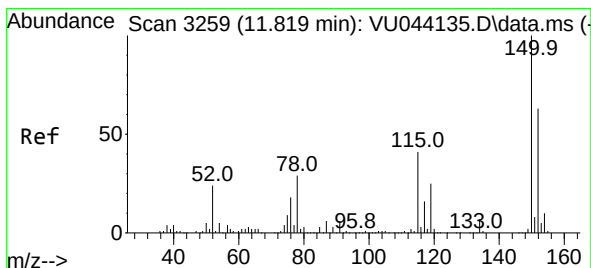
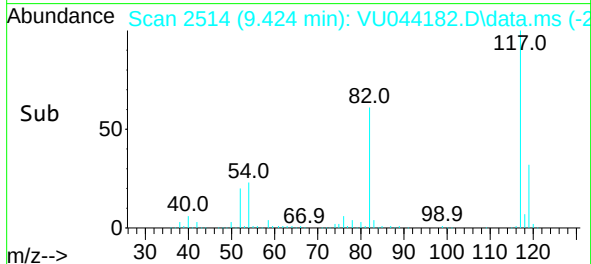
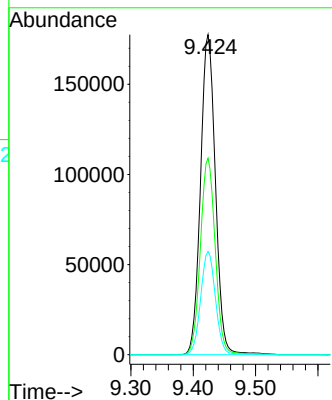
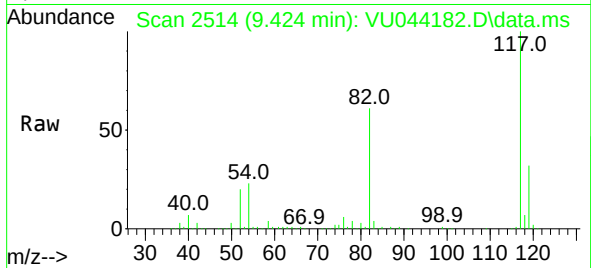




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

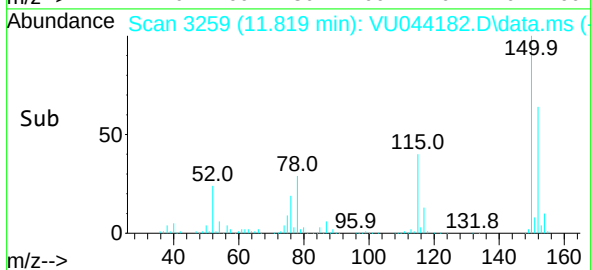
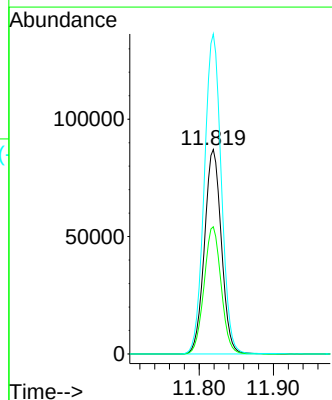
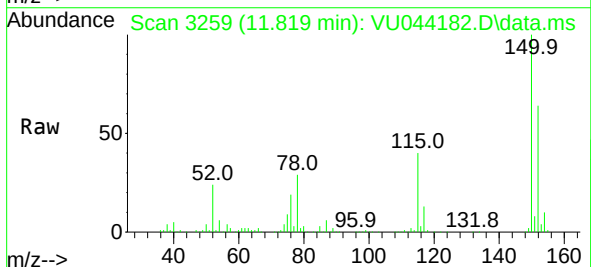
Instrument :
MSVOA_U
ClientSampleId :

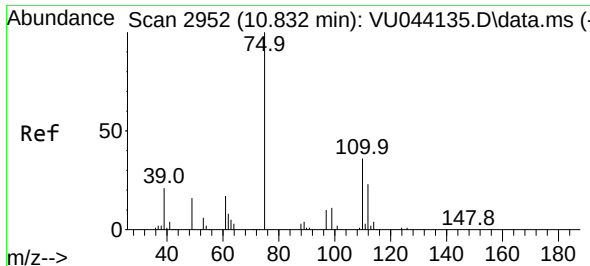
Tgt Ion:117 Resp: 296063
Ion Ratio Lower Upper
117 100
82 61.4 48.8 73.2
119 32.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

Tgt Ion:152 Resp: 137960
Ion Ratio Lower Upper
152 100
115 62.6 43.8 131.3
150 157.1 0.0 350.6

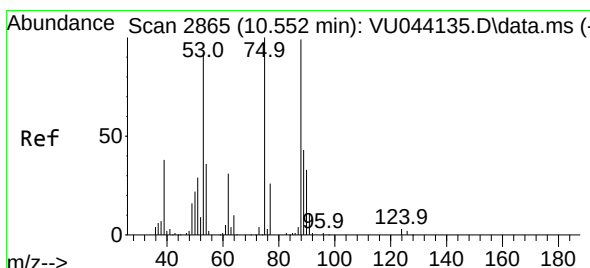
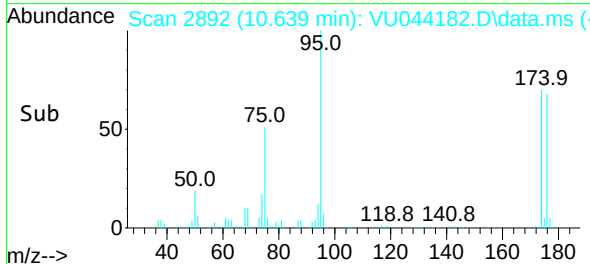
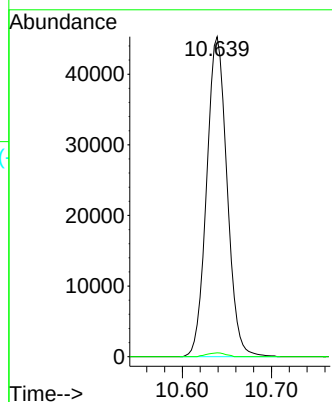
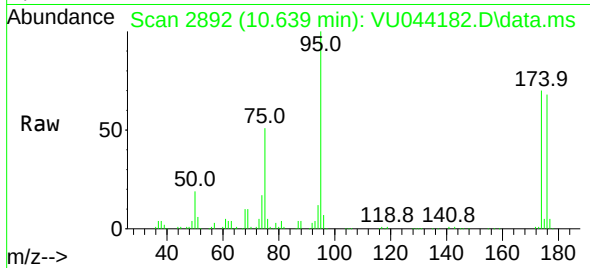




#76
1,2,3-Trichloropropane
Concen: 15.584 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

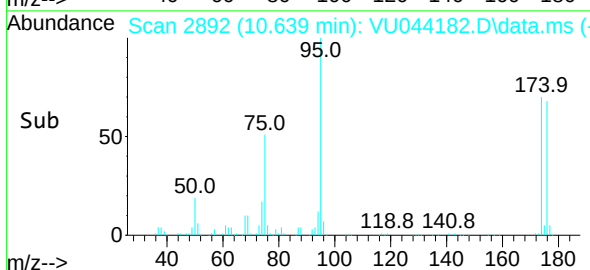
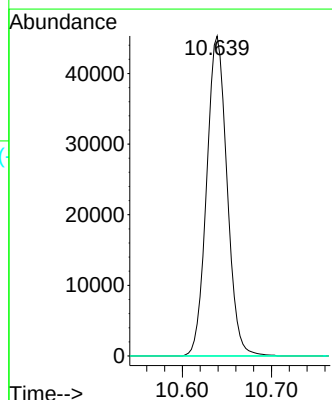
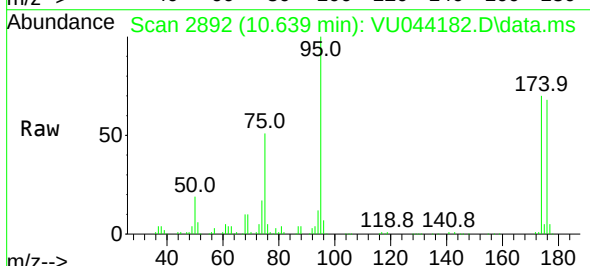
Instrument :
MSVOA_U
ClientSampled :

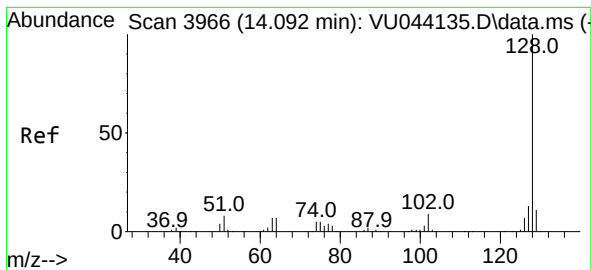
Tgt Ion: 75 Resp: 72085
Ion Ratio Lower Upper
75 100
77 1.1 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.492 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044182.D
Acq: 14 Jun 2021 15:33

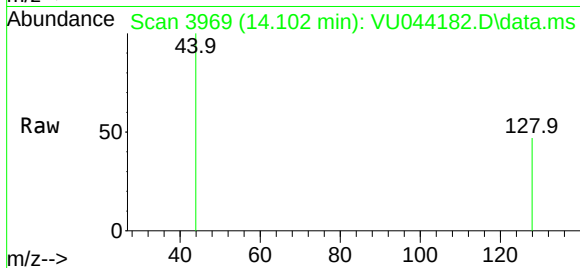
Tgt Ion: 75 Resp: 72085
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
 Naphthalene
 Concen: 2.875 ug/l
 RT: 14.102 min Scan# 3969
 Delta R.T. 0.010 min
 Lab File: VU044182.D
 Acq: 14 Jun 2021 15:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 403
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 13.0#

