

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044149.D
 Acq On : 10 Jun 2021 12:39
 Operator : SY/MD
 Sample : M2626-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:19:28 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)

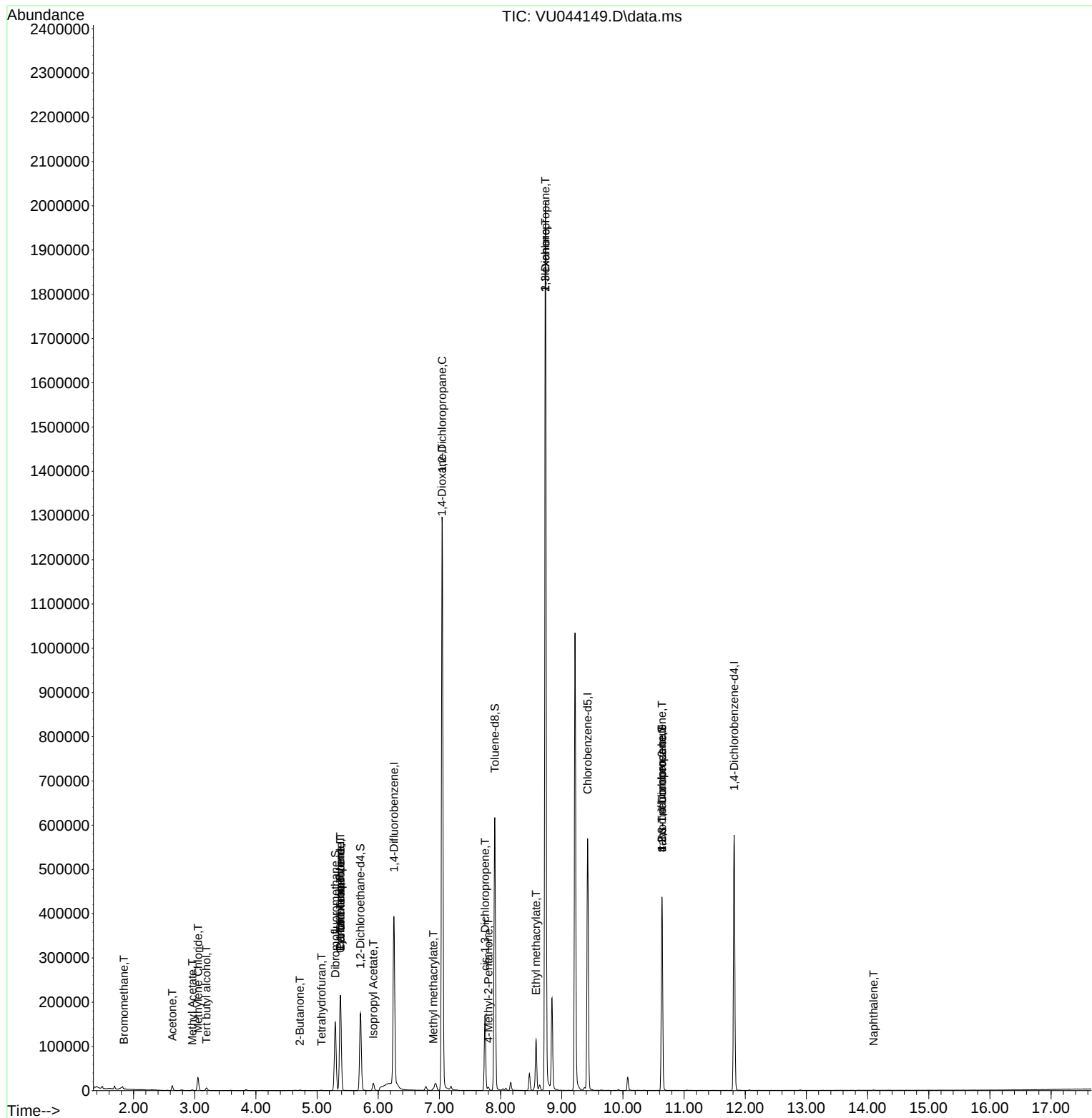
Internal Standards						
1) Pentafluorobenzene	5.382	168	140676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	290608	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	300620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	142499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	127337	56.920	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.840%	
35) Dibromofluoromethane	5.298	113	99799	49.368	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.740%	
50) Toluene-d8	7.906	98	393093	50.632	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.260%	
62) 4-Bromofluorobenzene	10.639	95	151231	48.607	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	740	Below Cal		92
5) Bromomethane	1.842	94	384	0.393 ug/l #		79
6) Chloroethane	1.906	64	48	Below Cal #		42
11) Tert butyl alcohol	3.192	59	4055	6.738 ug/l #		73
13) Acrolein	2.488	56	190	Below Cal #		78
16) Acetone	2.633	43	12246	8.533 ug/l		100
18) Methyl Acetate	2.961	43	2369	0.823 ug/l		91
20) Methylene Chloride	3.054	84	14022	5.898 ug/l		96
25) 2-Butanone	4.716	43	2268	1.215 ug/l #		89
29) Tetrahydrofuran	5.073	42	578	0.569 ug/l #		48
31) Cyclohexane	5.378	56	3232	1.024 ug/l #		1
36) 1,1-Dichloropropene	5.382	75	12581	3.891 ug/l #		50
38) Carbon Tetrachloride	5.382	117	14986	5.134 ug/l #		16
43) Isopropyl Acetate	5.919	43	17864	3.252 ug/l		98
45) 1,2-Dichloropropane	7.044	63	1677	0.644 ug/l #		43
48) Methyl methacrylate	6.899	41	6233	2.332 ug/l #		11
49) 1,4-Dioxane	7.041	88	92	1.316 ug/l #		1
51) 4-Methyl-2-Pentanone	7.800	43	5260	1.323 ug/l		87
54) cis-1,3-Dichloropropene	7.745	75	29931	7.681 ug/l #		64
56) Ethyl methacrylate	8.581	69	1013	0.278 ug/l #		1
57) 1,3-Dichloropropane	8.732	76	20522	4.849 ug/l #		43
59) 2-Hexanone	8.732	43	266494	83.988 ug/l #		48
76) 1,2,3-Trichloropropane	10.639	75	78336	16.396 ug/l #		47
81) trans-1,4-Dichloro-2-b...	10.639	75	78336	59.436 ug/l #		13
95) Naphthalene	14.098	128	1200	2.949 ug/l #		69

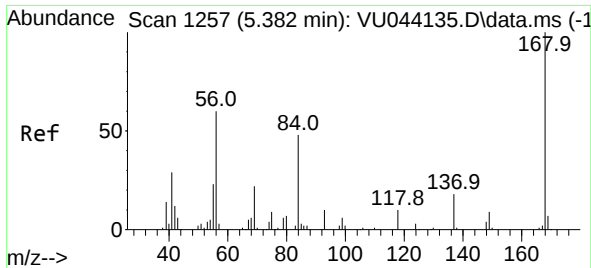
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
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Quant Time: Jun 11 01:19:28 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

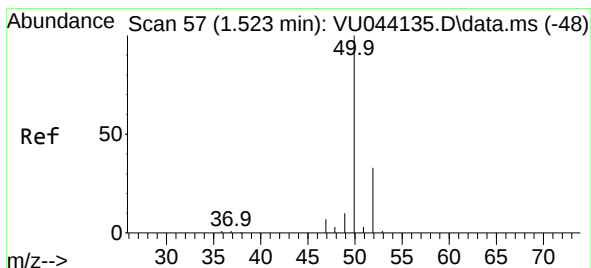
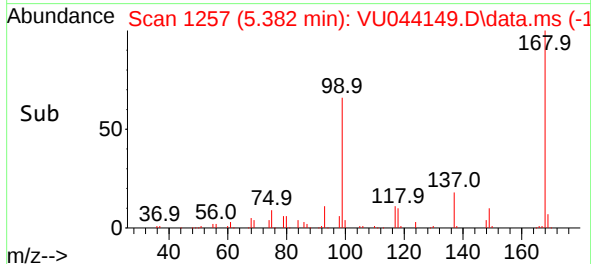
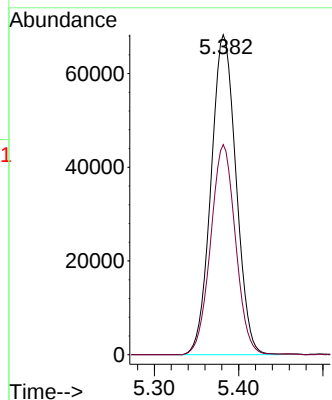
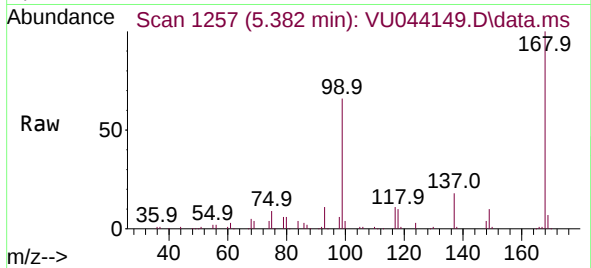




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

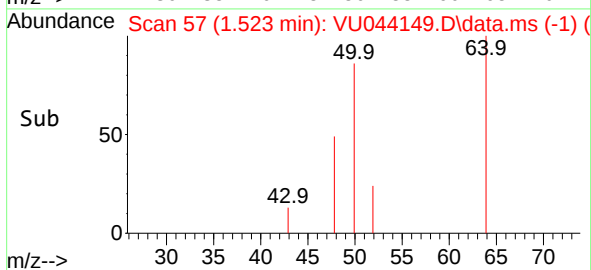
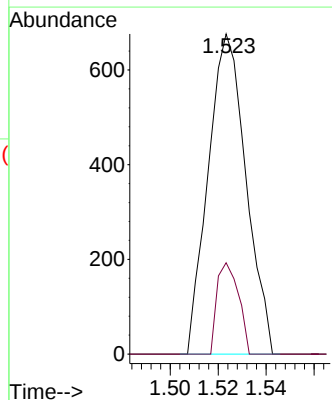
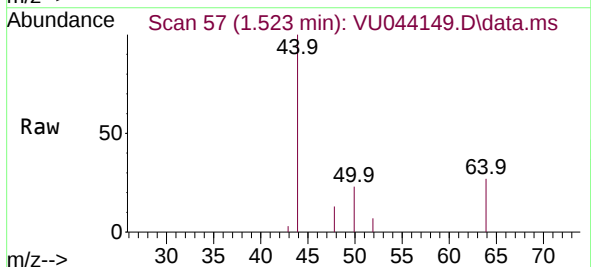
Instrument :
MSVOA_U
ClientSampled :

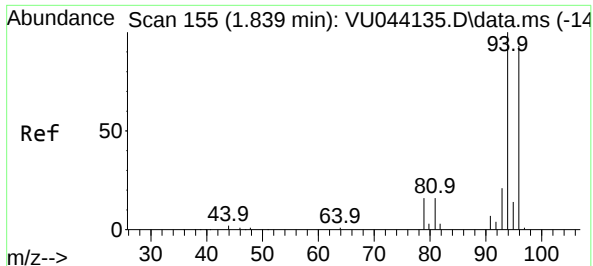
Tgt Ion:168 Resp: 140676
Ion Ratio Lower Upper
168 100
99 65.7 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 28.6 26.6 39.8

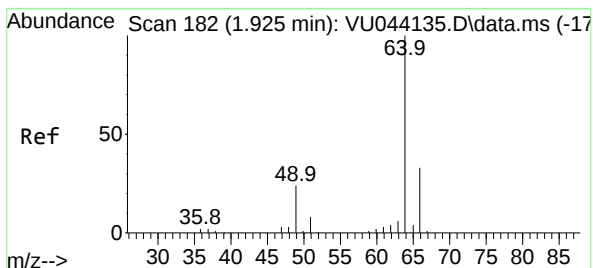
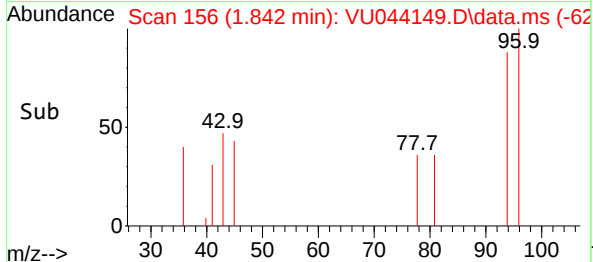
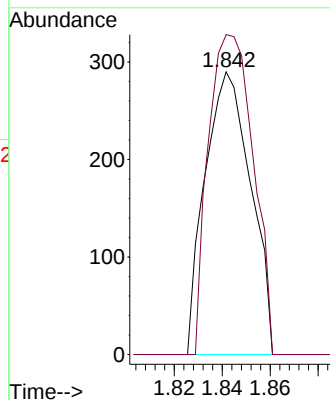
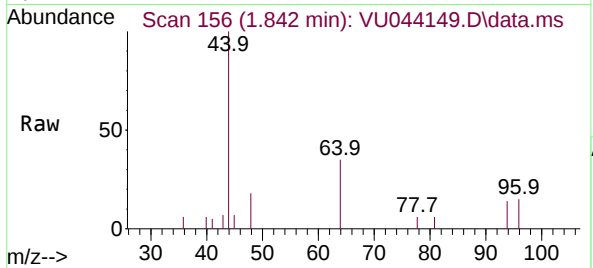




#5
Bromomethane
Concen: 0.393 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.003 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

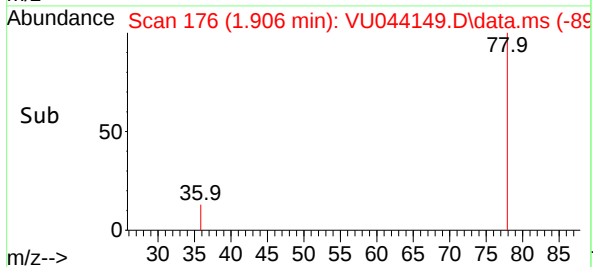
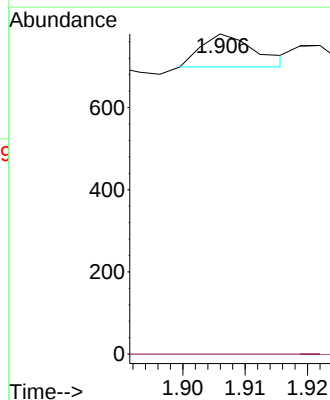
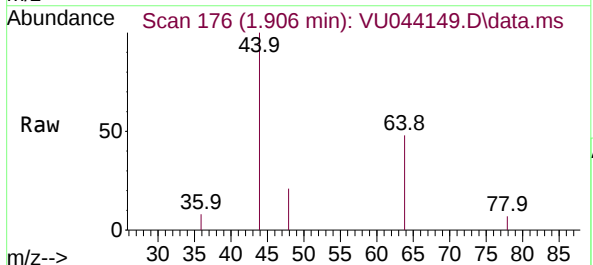
Instrument :
MSVOA_U
ClientSampleId :

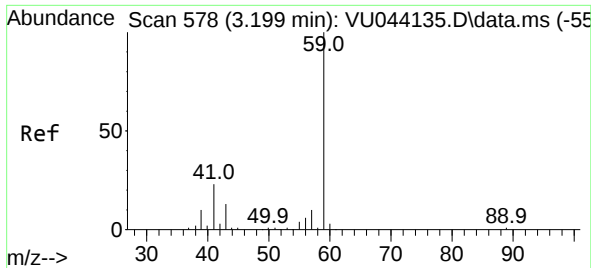
Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 113.1 74.1 111.1#



#6
Chloroethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. -0.019 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 64 Resp: 48
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



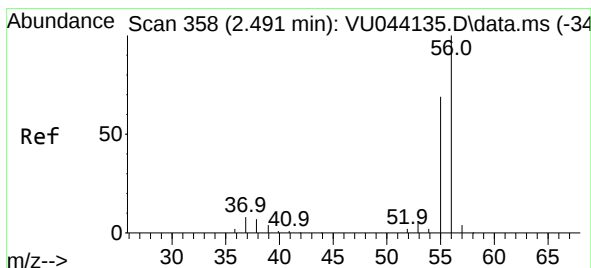
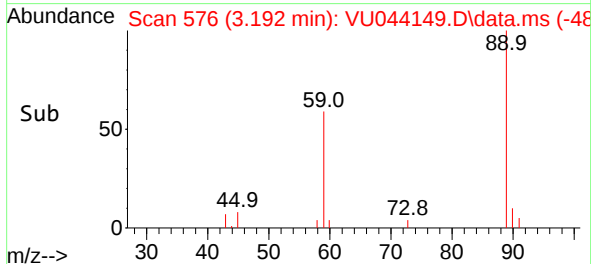
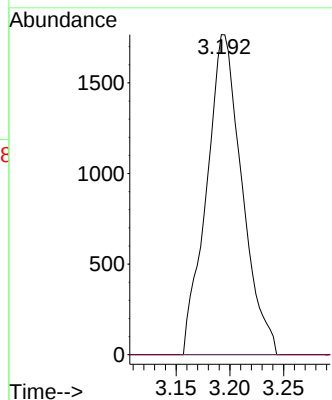
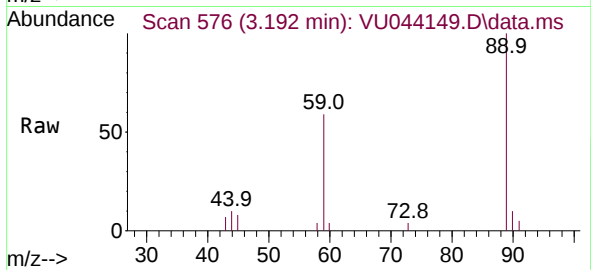


#11

Tert butyl alcohol
Concen: 6.738 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :

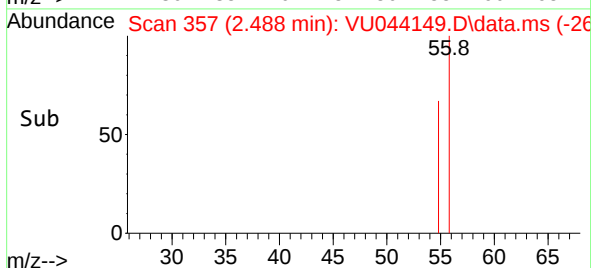
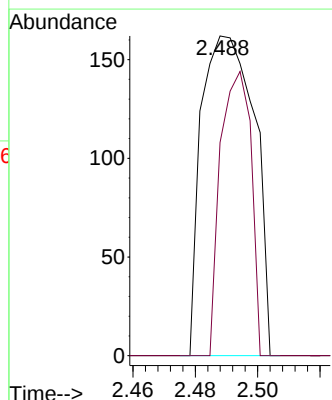
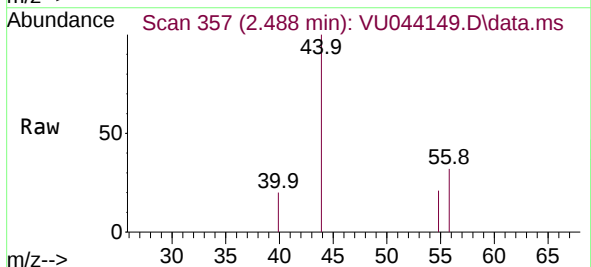
Tgt Ion: 59 Resp: 4055
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

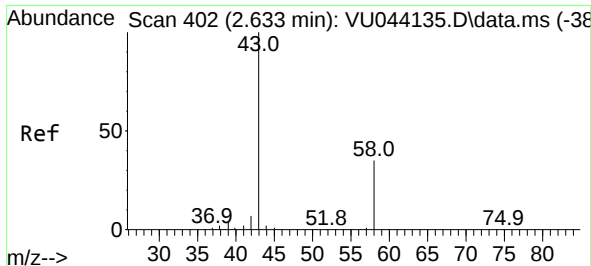


#13

Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 51.1 55.1 82.7#

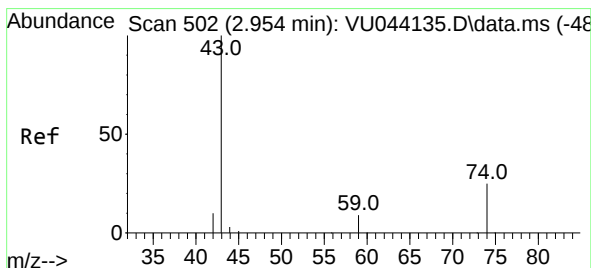
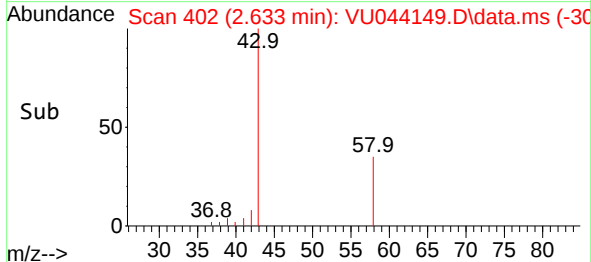
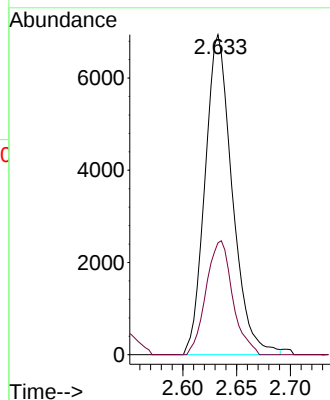
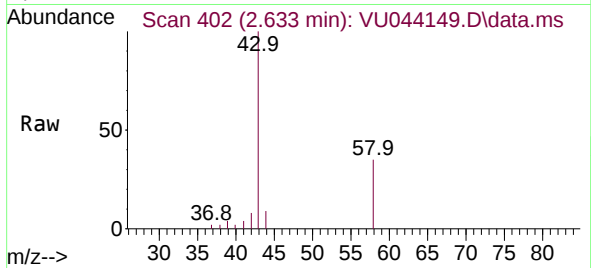




#16
Acetone
Concen: 8.533 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

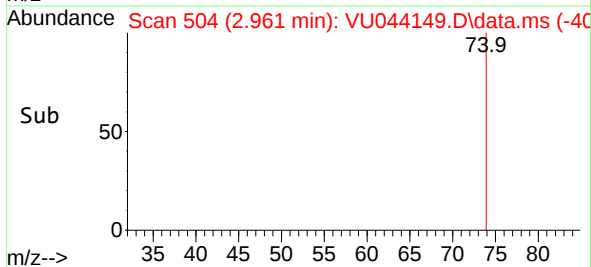
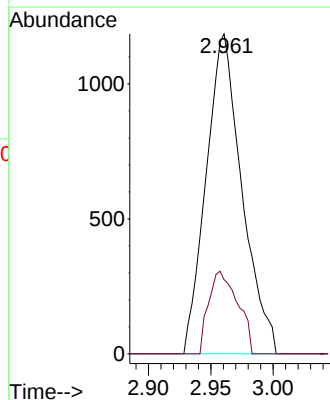
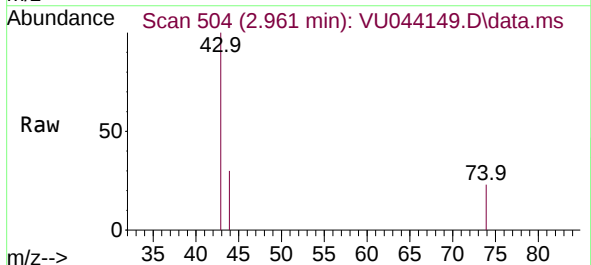
Instrument :
MSVOA_U
ClientSampleId :

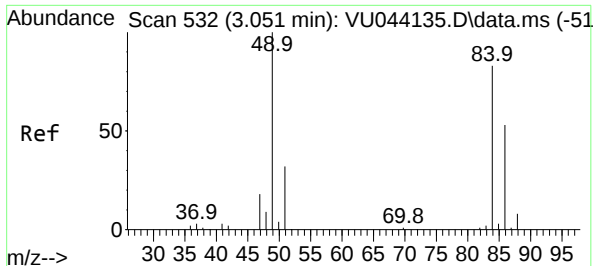
Tgt Ion: 43 Resp: 12246
Ion Ratio Lower Upper
43 100
58 35.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

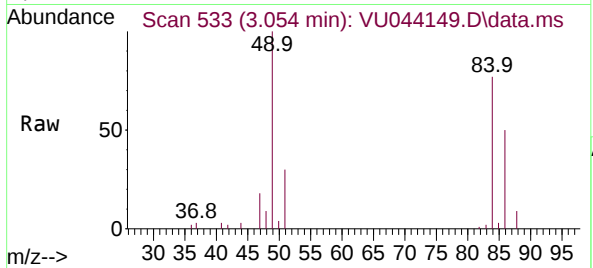
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
74 20.9 20.3 30.5



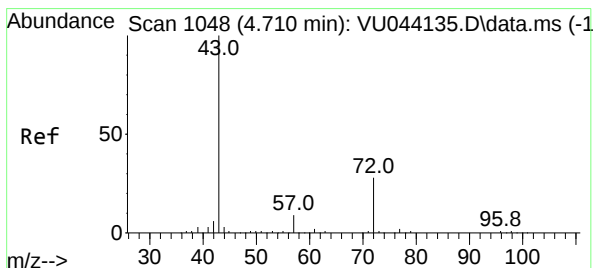
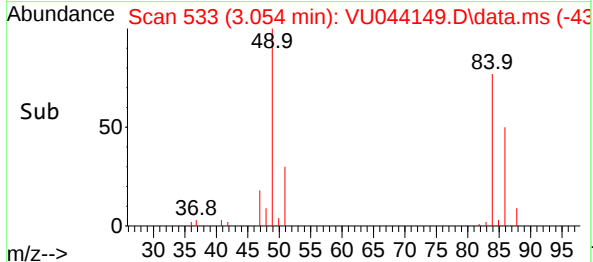
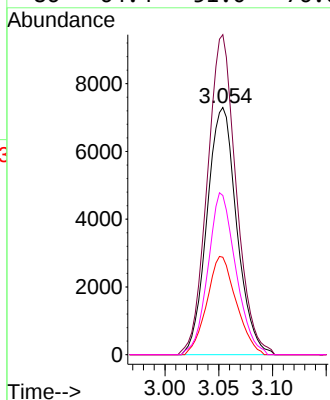


#20
Methylene Chloride
Concen: 5.898 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :

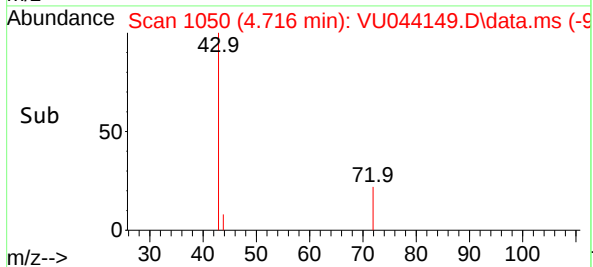
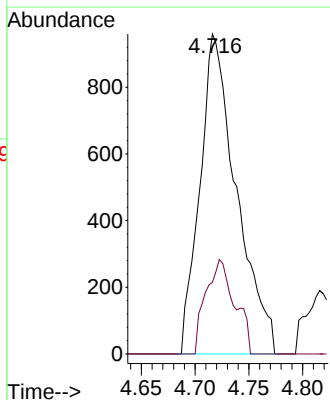
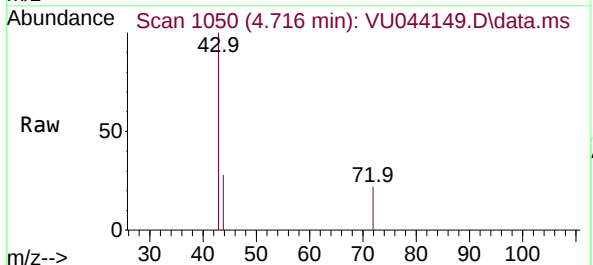


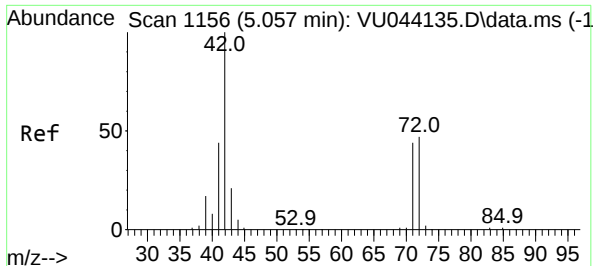
Tgt Ion: 84	Resp: 14022
Ion Ratio	Lower Upper
84 100	
49 129.4	96.9 145.3
51 39.4	31.0 46.6
86 64.4	51.0 76.6



#25
2-Butanone
Concen: 1.215 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 43	Resp: 2268
Ion Ratio	Lower Upper
43 100	
72 22.4	22.6 33.8#





#29

Tetrahydrofuran

Concen: 0.569 ug/l

RT: 5.073 min Scan# 1161

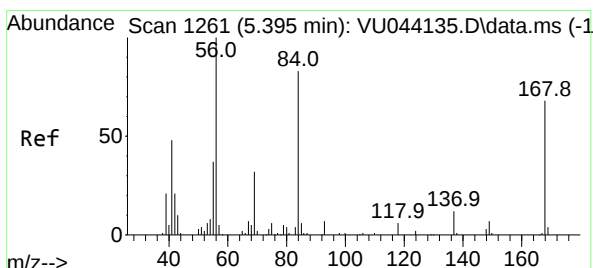
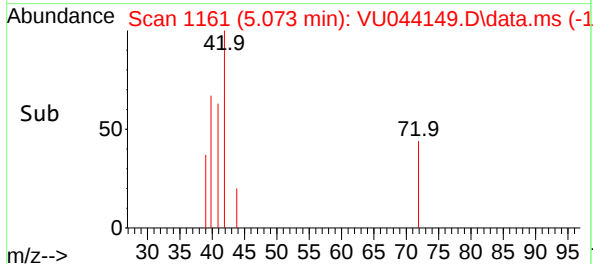
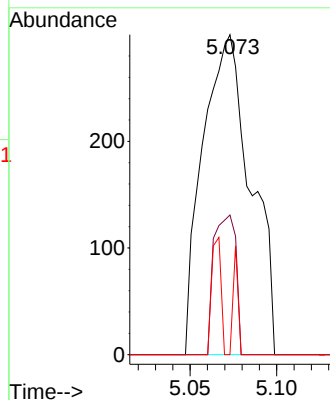
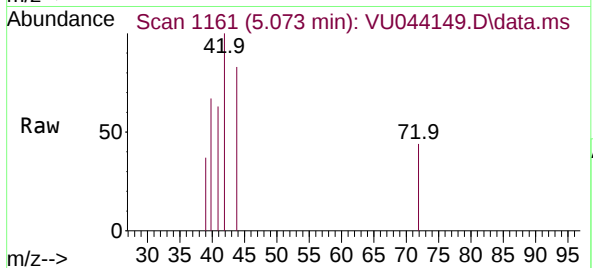
Delta R.T. 0.016 min

Lab File: VU044149.D

Acq: 10 Jun 2021 12:39

Tgt Ion:	42	Resp:	578
Ion	Ratio	Lower	Upper
42	100		
72	19.9	38.6	57.8#
71	3.5	35.5	53.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.024 ug/l

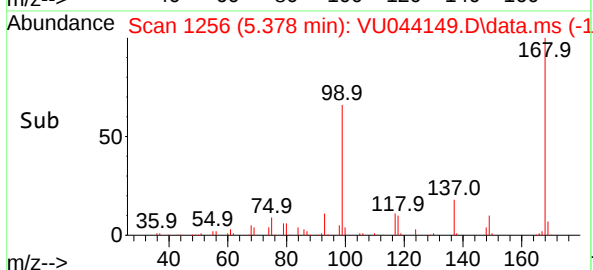
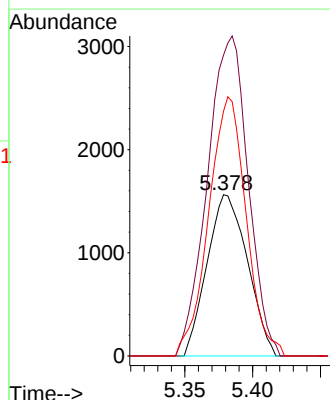
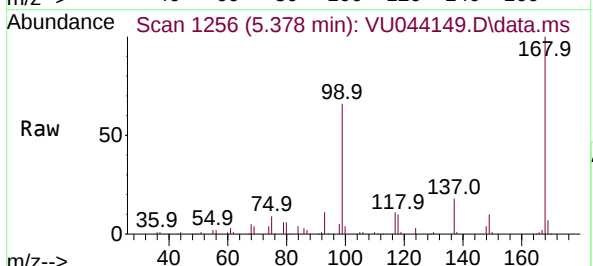
RT: 5.378 min Scan# 1256

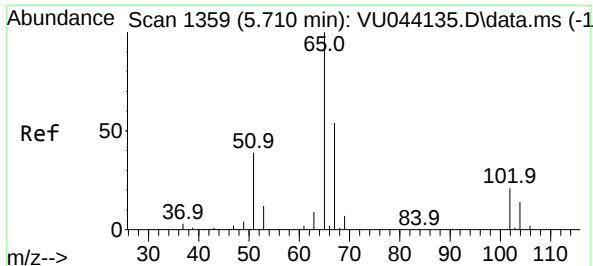
Delta R.T. -0.017 min

Lab File: VU044149.D

Acq: 10 Jun 2021 12:39

Tgt Ion:	56	Resp:	3232
Ion	Ratio	Lower	Upper
56	100		
69	186.5	25.5	38.3#
84	145.3	66.3	99.5#



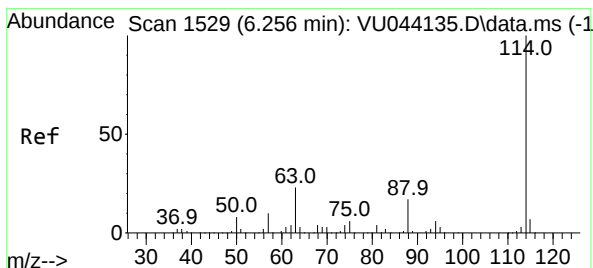
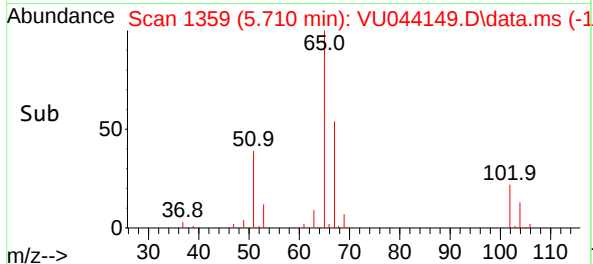
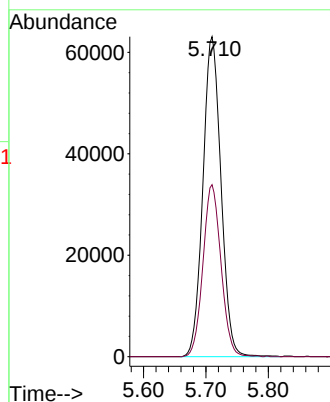
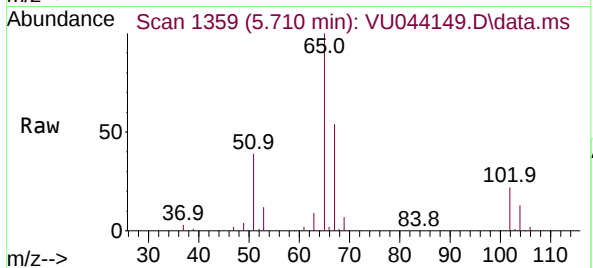


#33

1,2-Dichloroethane-d4
Concen: 56.920 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :

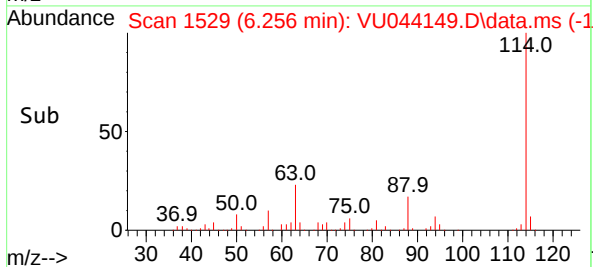
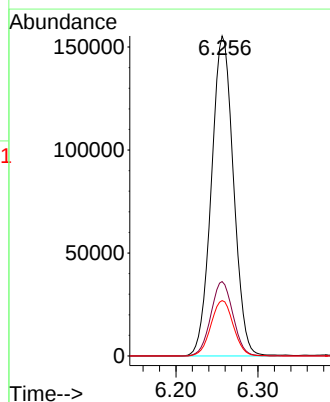
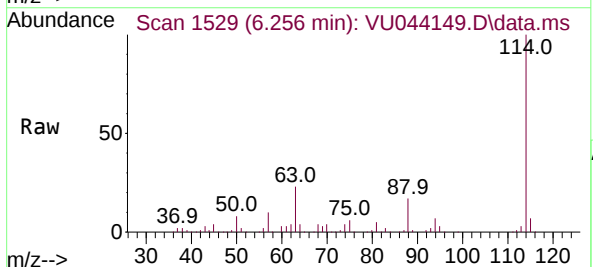
Tgt Ion: 65 Resp: 127337
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6

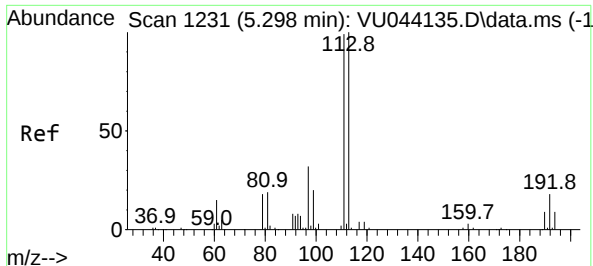


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 114 Resp: 290608
Ion Ratio Lower Upper
114 100
63 23.3 0.0 45.8
88 17.3 0.0 34.0

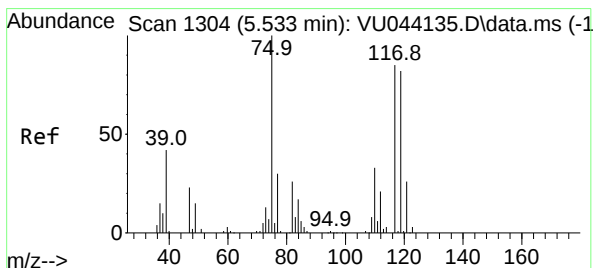
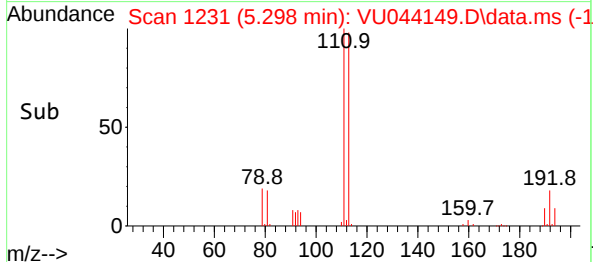
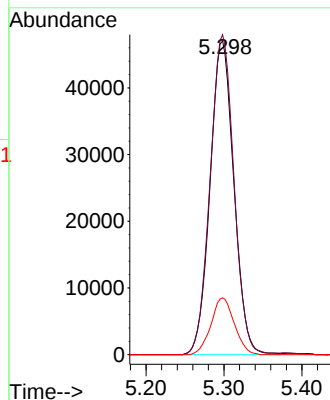
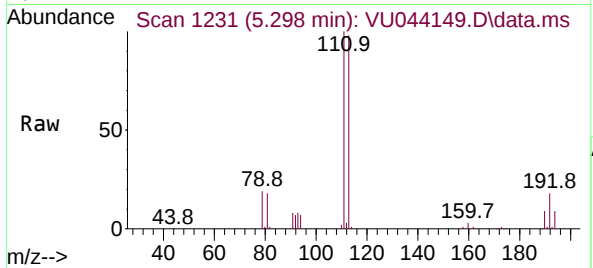




#35
Dibromofluoromethane
Concen: 49.368 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

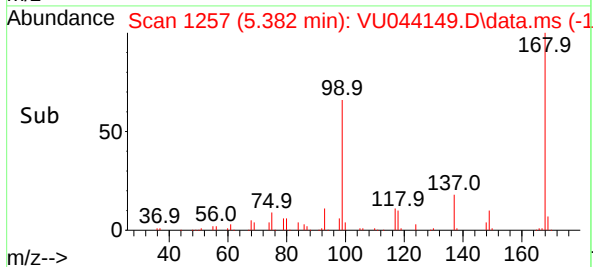
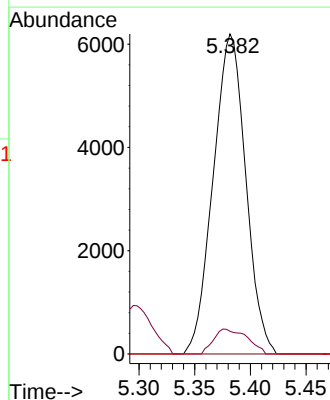
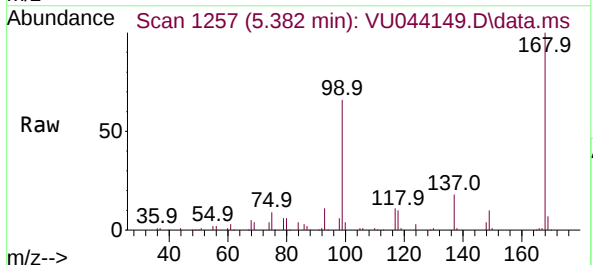
Instrument :
MSVOA_U
ClientSampleId :

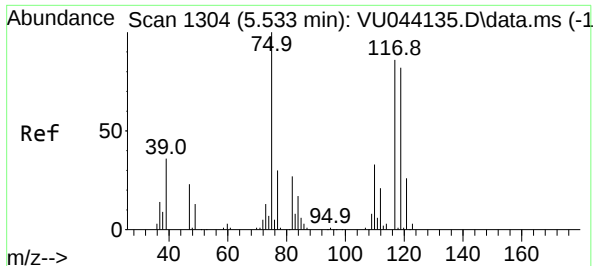
Tgt Ion:	113	Resp:	99799
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.4
192	17.8	14.3	21.5



#36
1,1-Dichloropropene
Concen: 3.891 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

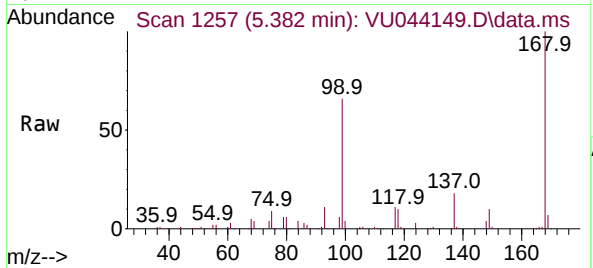
Tgt Ion:	75	Resp:	12581
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.4	49.4#
77	0.0	24.7	37.1#



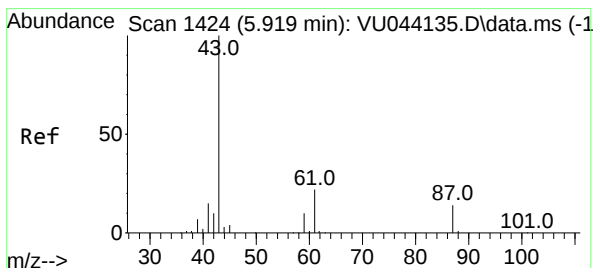
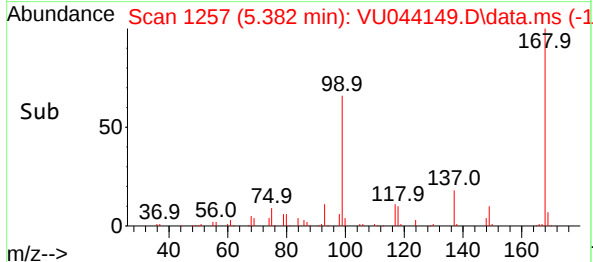
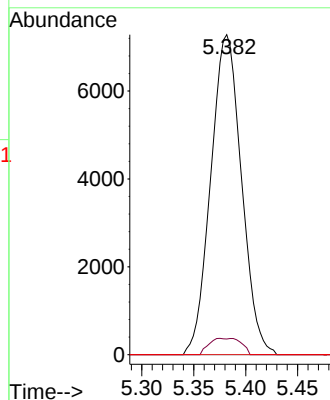


#38
Carbon Tetrachloride
Concen: 5.134 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :

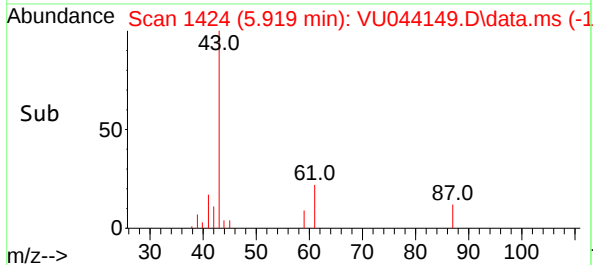
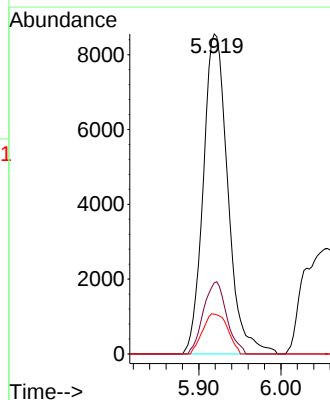
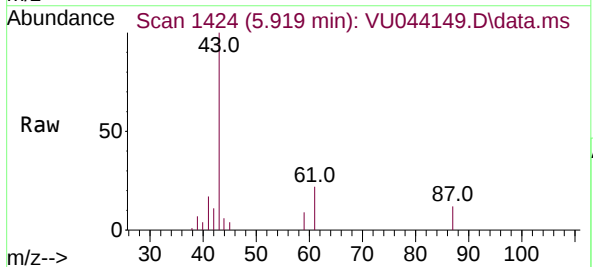


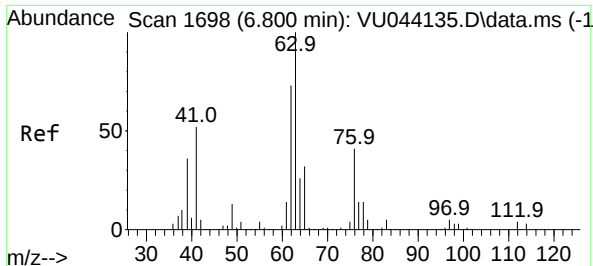
Tgt Ion:117 Resp: 14986
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 3.252 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 43 Resp: 17864
Ion Ratio Lower Upper
43 100
61 21.3 17.8 26.8
87 12.7 11.1 16.7



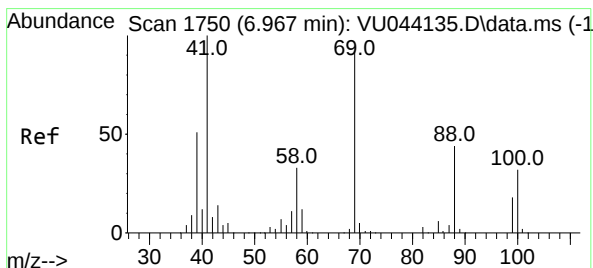
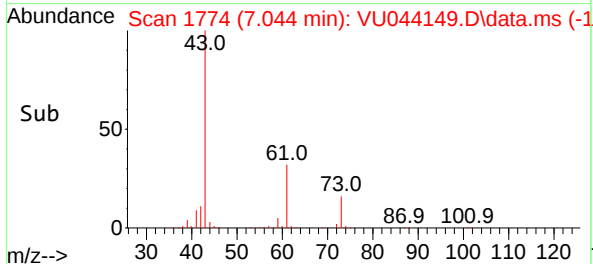
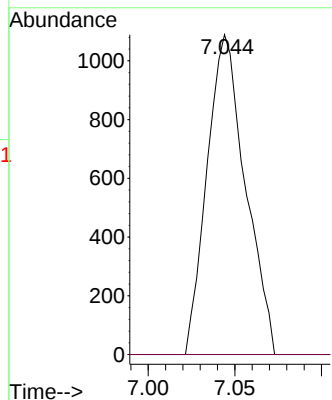
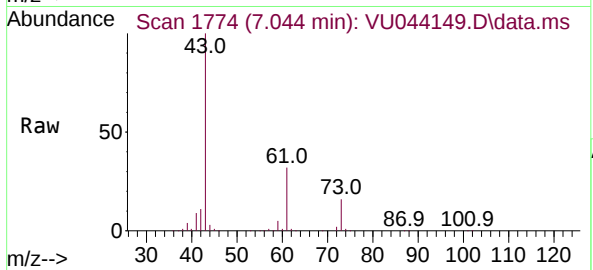


#45

1,2-Dichloropropane
Concen: 0.644 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Instrument :
MSVOA_U
ClientSampled :

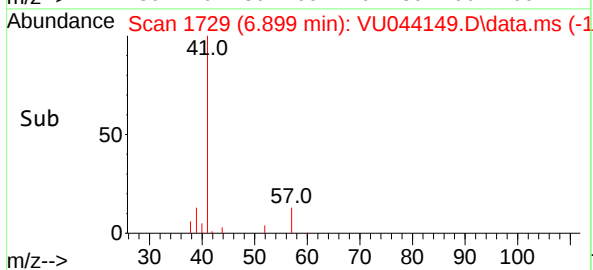
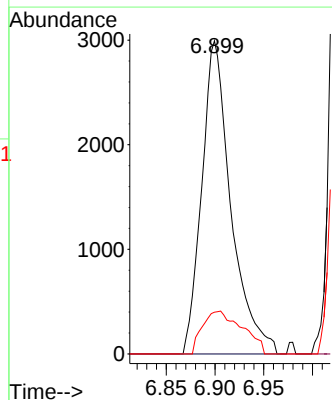
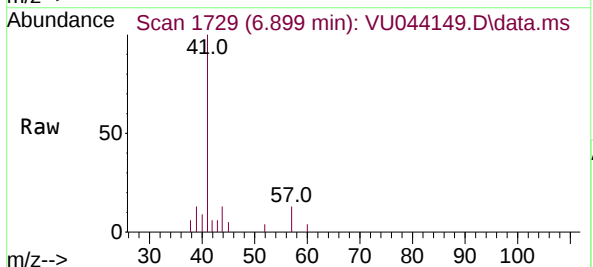
Tgt Ion: 63 Resp: 1677
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

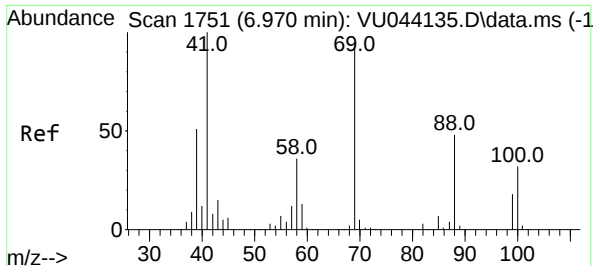


#48

Methyl methacrylate
Concen: 2.332 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 41 Resp: 6233
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: 1.316 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

Lab File: VU044149.D

Acq: 10 Jun 2021 12:39

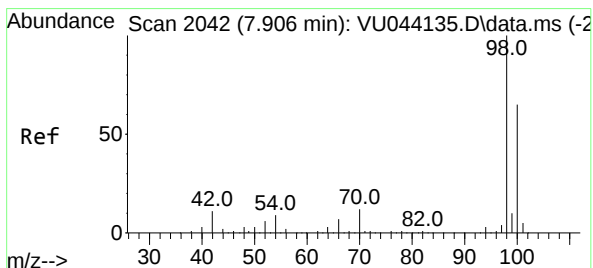
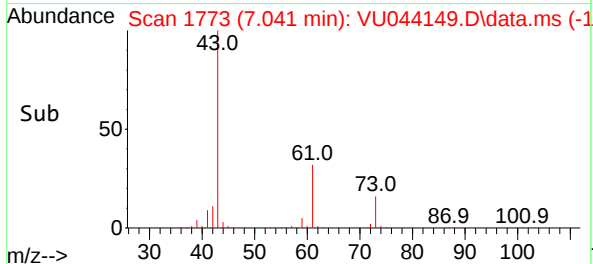
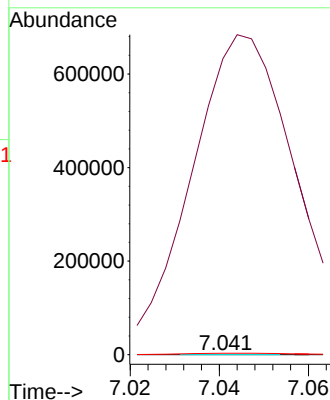
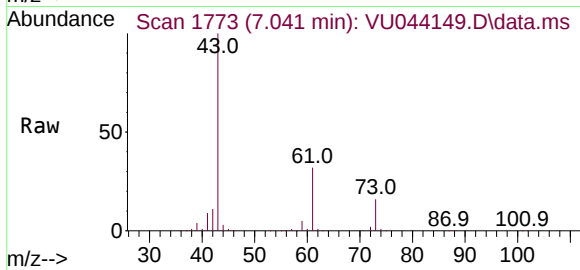
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 1260420.7 23.4 35.0#

58 6397.8 58.1 87.1#



#50

Toluene-d8

Concen: 50.632 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044149.D

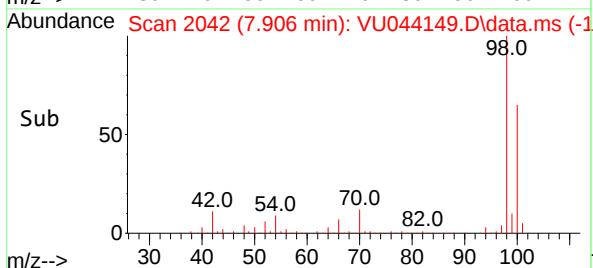
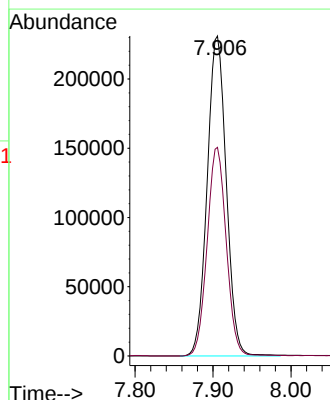
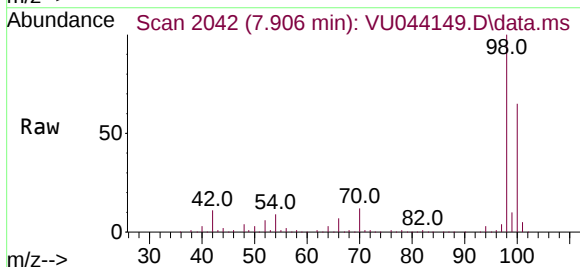
Acq: 10 Jun 2021 12:39

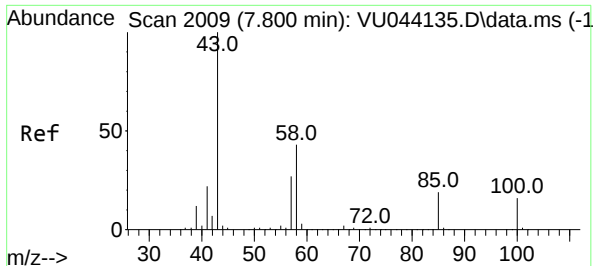
Tgt Ion: 98 Resp: 393093

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4

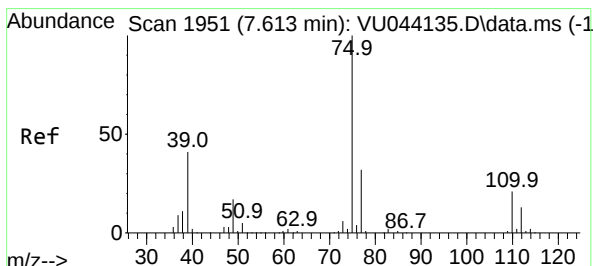
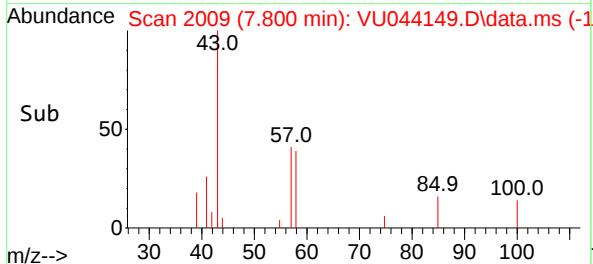
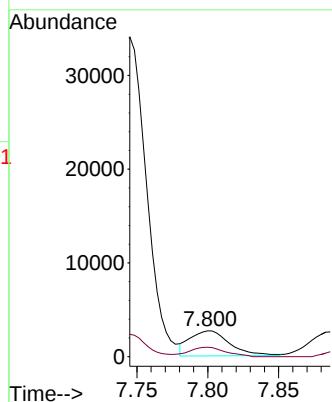
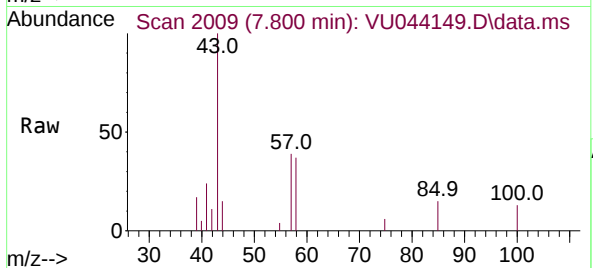




#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

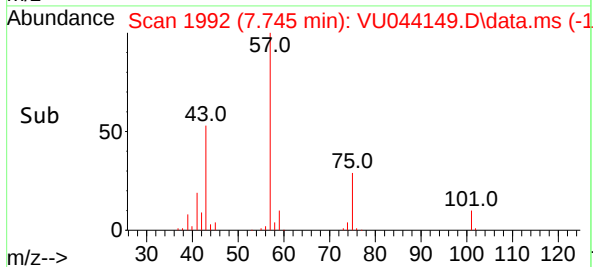
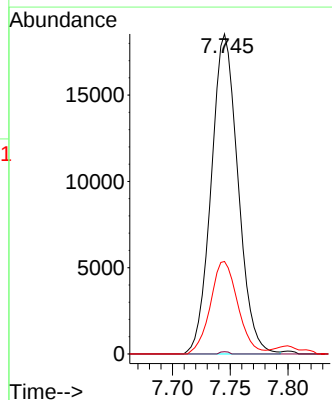
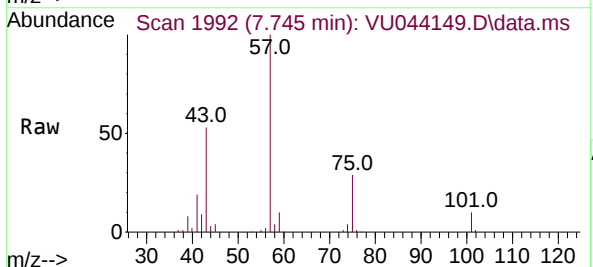
Instrument :
MSVOA_U
ClientSampled :

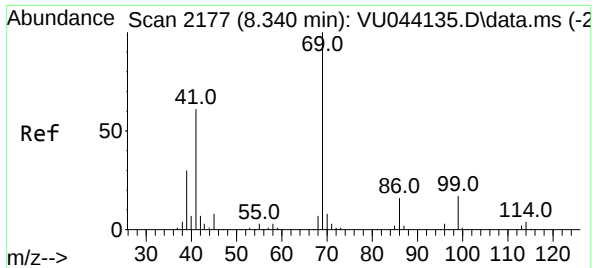
Tgt Ion: 43 Resp: 5260
Ion Ratio Lower Upper
43 100
58 34.8 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.681 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 75 Resp: 29931
Ion Ratio Lower Upper
75 100
77 0.7 25.9 38.9#
39 28.9 33.2 49.8#

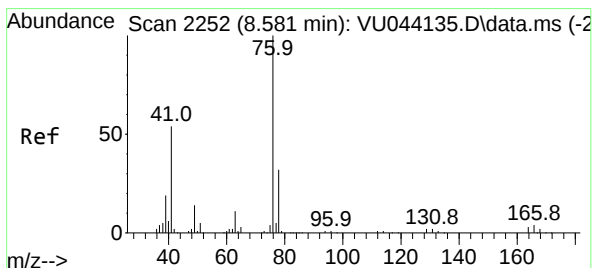
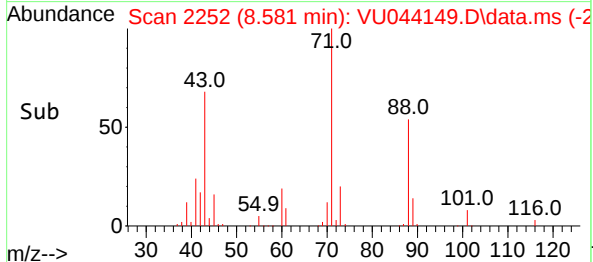
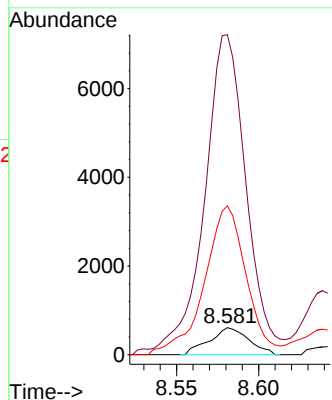
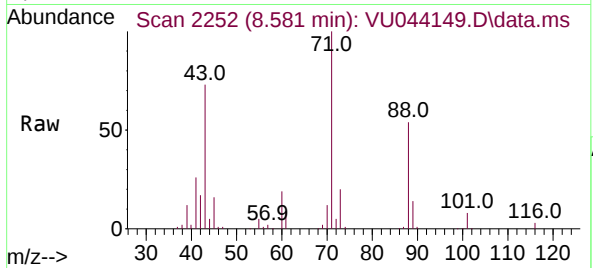




#56
Ethyl methacrylate
Concen: 0.278 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.241 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

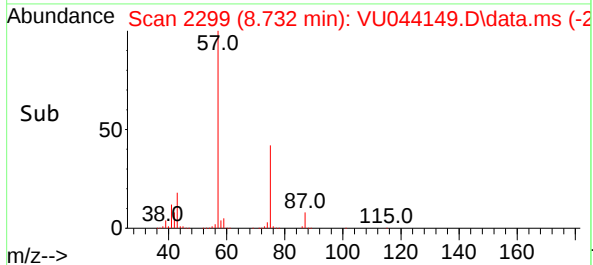
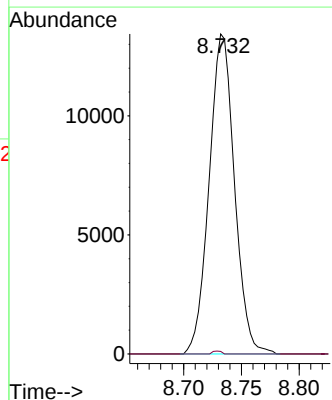
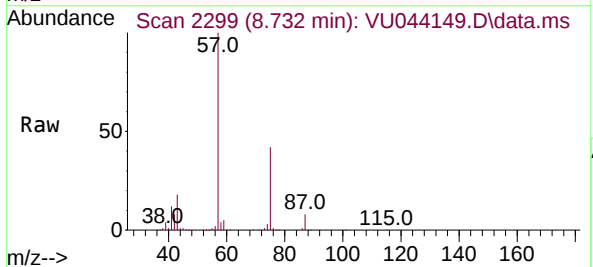
Instrument :
MSVOA_U
ClientSampleId :

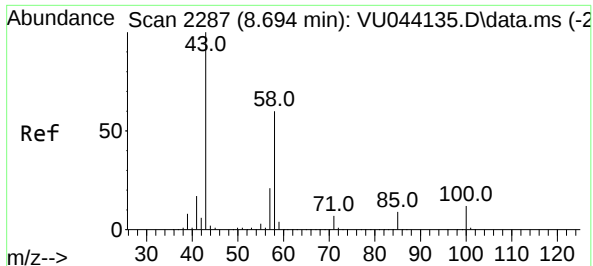
Tgt Ion: 69 Resp: 1013
Ion Ratio Lower Upper
69 100
41 1261.8 48.4 72.6#
39 584.1 23.6 35.4#



#57
1,3-Dichloropropane
Concen: 4.849 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 76 Resp: 20522
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#

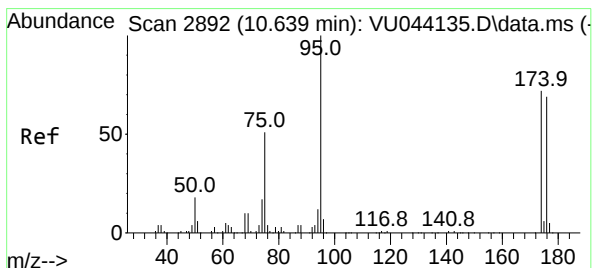
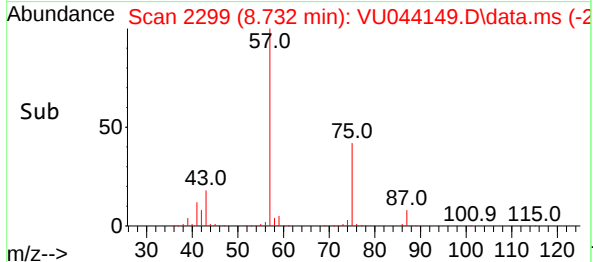
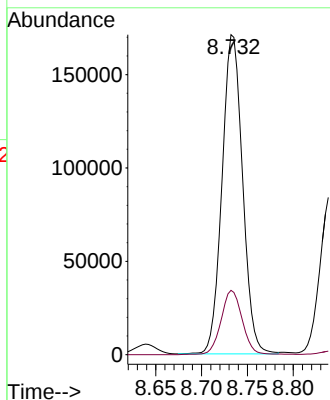
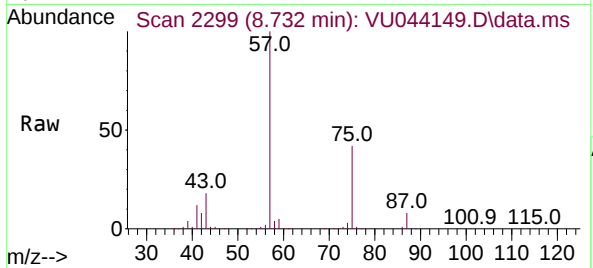




#59
2-Hexanone
Concen: 83.988 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

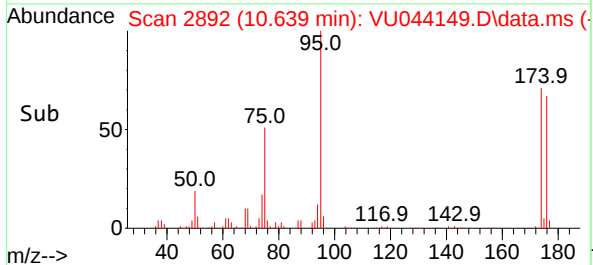
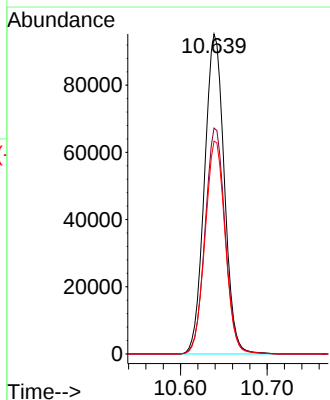
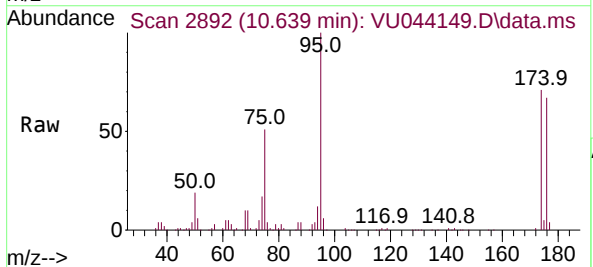
Instrument :
MSVOA_U
ClientSampled :

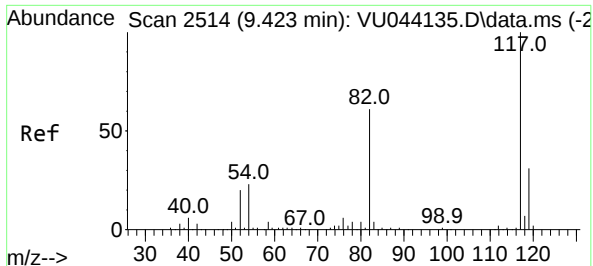
Tgt Ion: 43 Resp: 266494
Ion Ratio Lower Upper
43 100
58 20.9 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 48.607 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion: 95 Resp: 151231
Ion Ratio Lower Upper
95 100
174 71.5 0.0 144.4
176 67.6 0.0 138.0

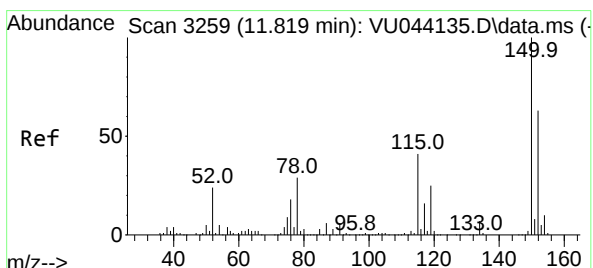
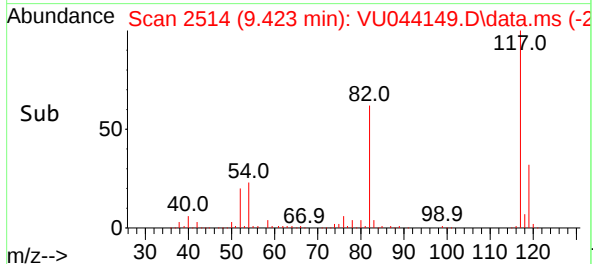
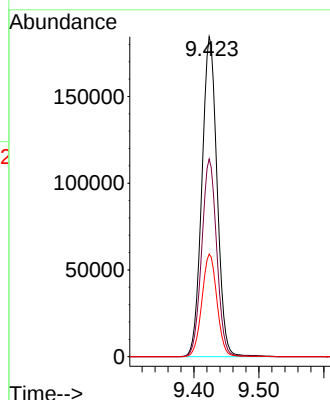
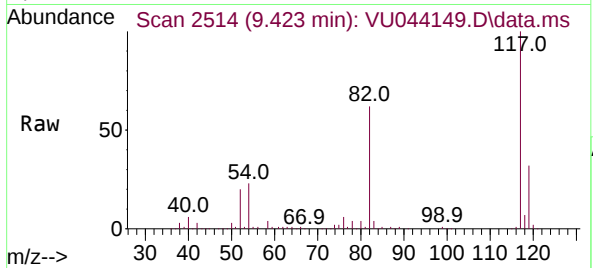




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

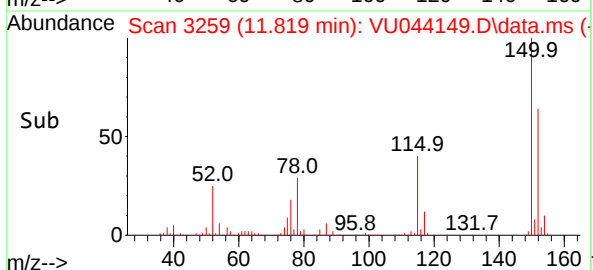
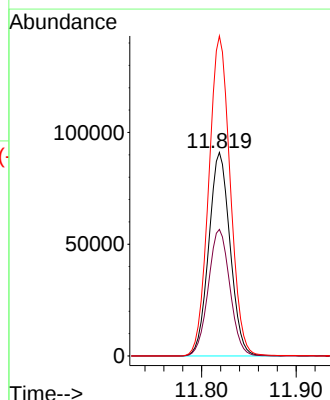
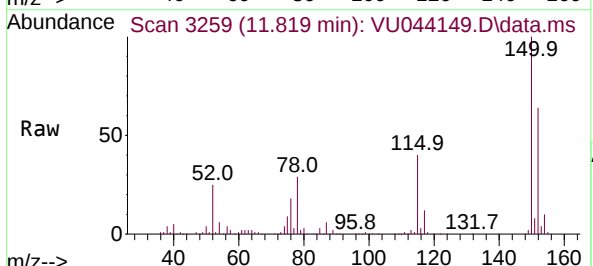
Instrument :
MSVOA_U
ClientSampled :

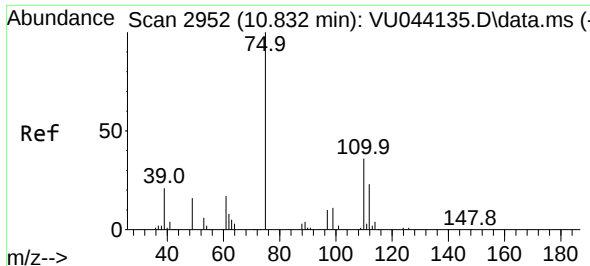
Tgt Ion:117 Resp: 300620
Ion Ratio Lower Upper
117 100
82 61.8 48.8 73.2
119 32.1 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Tgt Ion:152 Resp: 142499
Ion Ratio Lower Upper
152 100
115 63.0 43.8 131.3
150 158.2 0.0 350.6

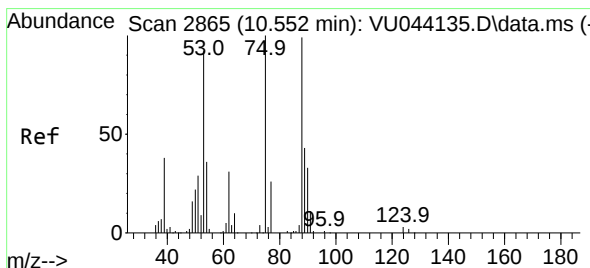
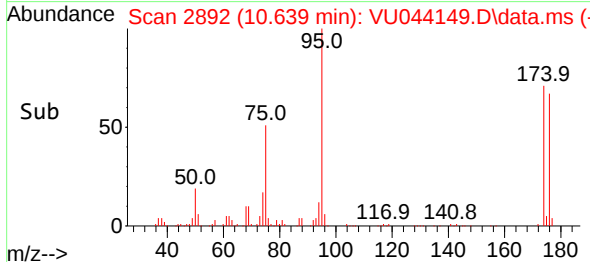
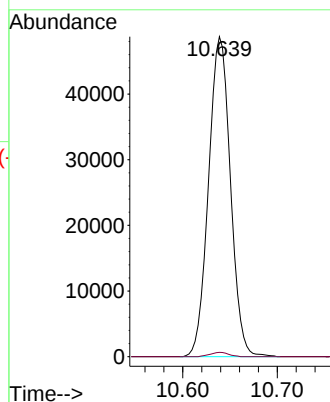
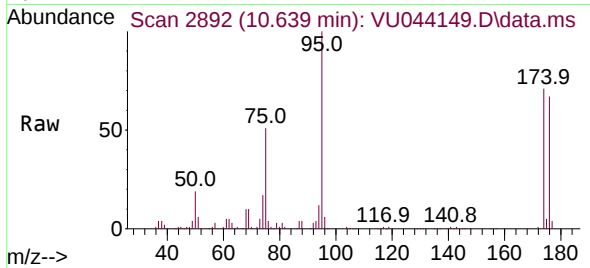




#76
1,2,3-Trichloropropane
Concen: 16.396 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

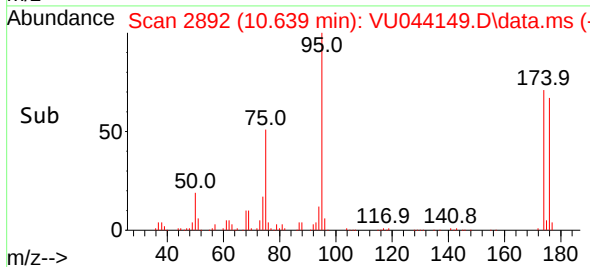
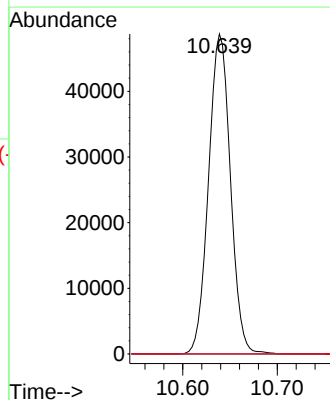
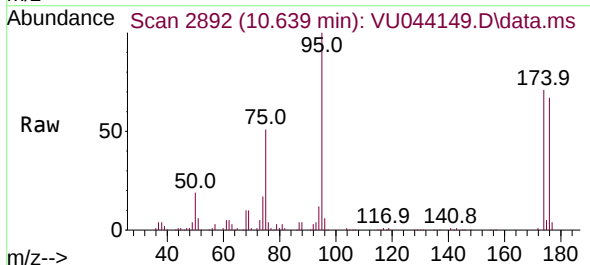
Instrument :
MSVOA_U
ClientSampled :

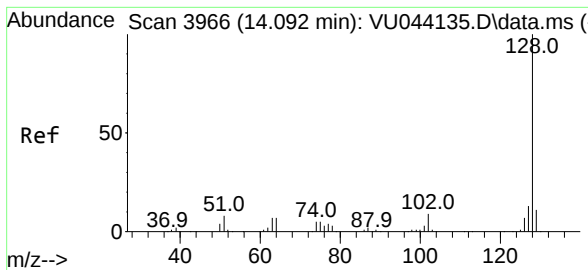
Tgt Ion: 75 Resp: 78336
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.436 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

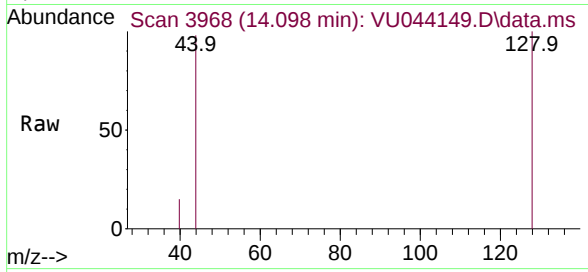
Tgt Ion: 75 Resp: 78336
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.949 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044149.D
Acq: 10 Jun 2021 12:39

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1200
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

