

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044191.D
 Acq On : 14 Jun 2021 19:01
 Operator : SY/MD
 Sample : M2672-35
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:49:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

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

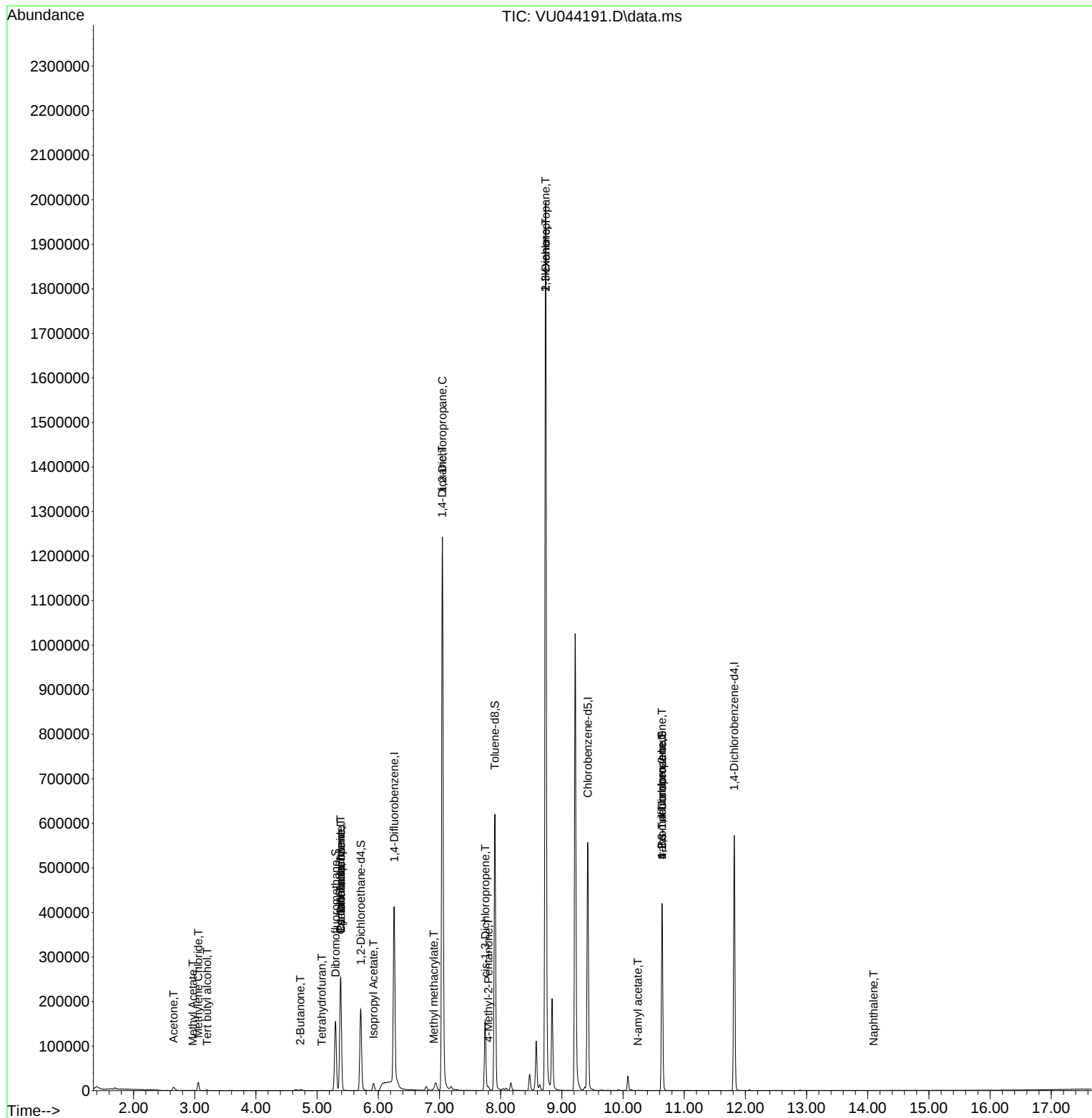
Internal Standards						
1) Pentafluorobenzene	5.385	168	166876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	307772	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	302626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	142039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	136066	51.273	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.540%	
35) Dibromofluoromethane	5.301	113	102843	48.036	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.080%	
50) Toluene-d8	7.906	98	402926	49.004	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.000%	
62) 4-Bromofluorobenzene	10.639	95	142186	43.151	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	276	Below Cal	#	41
6) Chloroethane	1.919	64	222	Below Cal	#	42
11) Tert butyl alcohol	3.202	59	1079	1.511	ug/l #	73
16) Acetone	2.652	43	14588	8.578	ug/l	96
18) Methyl Acetate	2.970	43	1471	0.431	ug/l #	55
20) Methylene Chloride	3.057	84	8684	2.492	ug/l	96
25) 2-Butanone	4.726	43	3784	1.708	ug/l	100
29) Tetrahydrofuran	5.076	42	622	0.517	ug/l #	42
31) Cyclohexane	5.385	56	3803	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	14646	4.277	ug/l #	51
38) Carbon Tetrachloride	5.382	117	17486	5.656	ug/l #	16
43) Isopropyl Acetate	5.922	43	17854	3.069	ug/l	97
45) 1,2-Dichloropropane	7.047	63	1573	0.571	ug/l #	43
48) Methyl methacrylate	6.906	41	6577	2.323	ug/l #	11
49) 1,4-Dioxane	7.044	88	74	0.999	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	4365	1.037	ug/l	99
54) cis-1,3-Dichloropropene	7.748	75	29221	7.081	ug/l #	64
57) 1,3-Dichloropropane	8.735	76	21510	4.799	ug/l #	42
59) 2-Hexanone	8.735	43	274631	81.726	ug/l #	48
74) N-amyl acetate	10.243	43	868	0.203	ug/l #	39
76) 1,2,3-Trichloropropane	10.639	75	72280	15.178	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	72280	55.019	ug/l #	13
95) Naphthalene	14.095	128	104	2.846	ug/l #	69

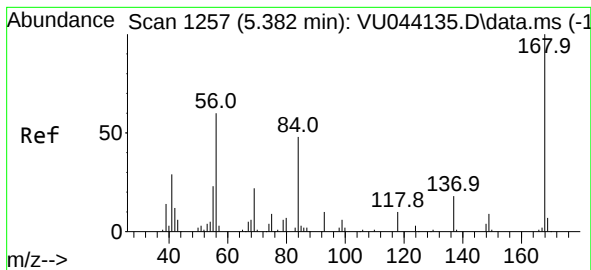
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 02:49:06 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

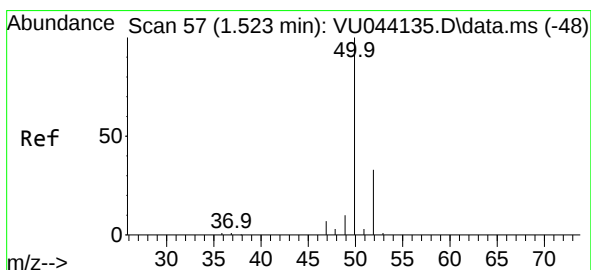
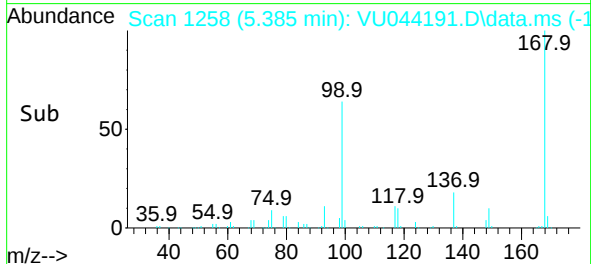
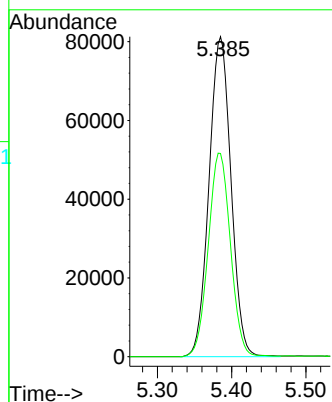
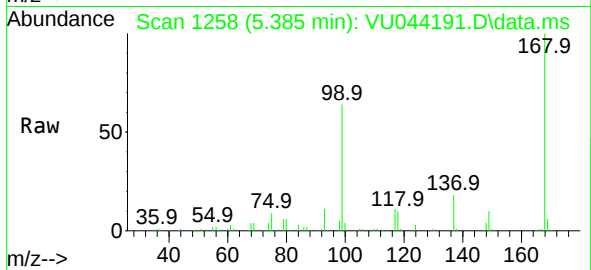




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

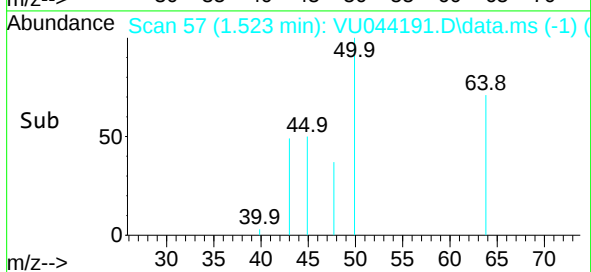
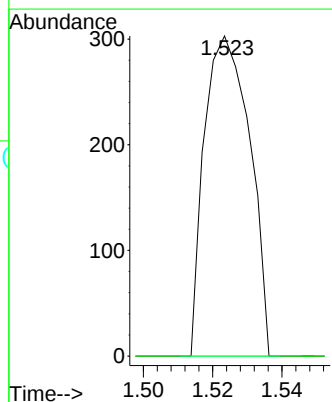
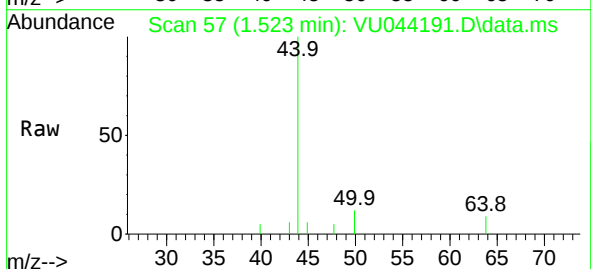
Instrument :
MSVOA_U
ClientSampled :

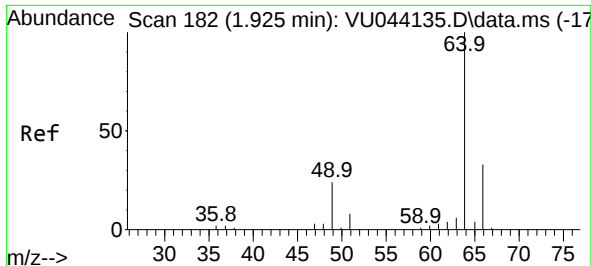
Tgt Ion:168 Resp: 166876
Ion Ratio Lower Upper
168 100
99 63.5 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

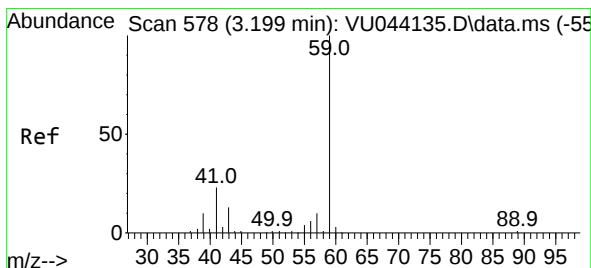
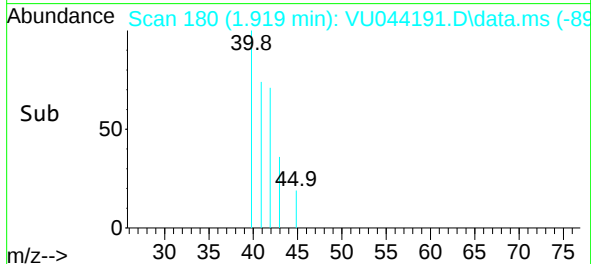
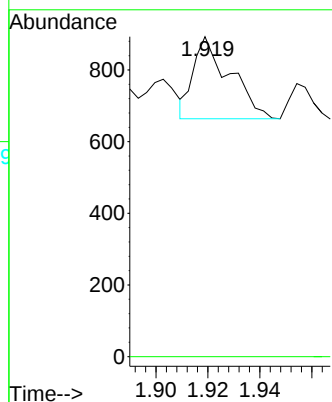
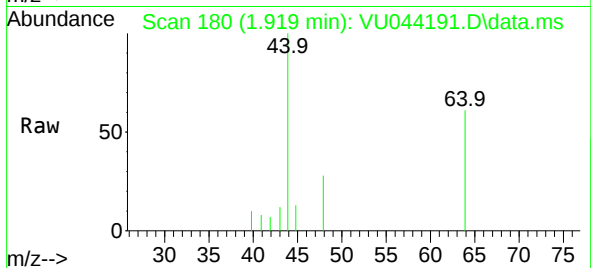




#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 180
Delta R.T. -0.006 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

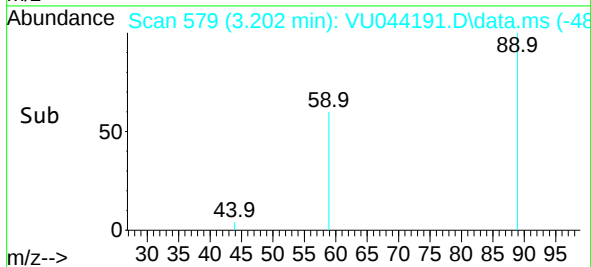
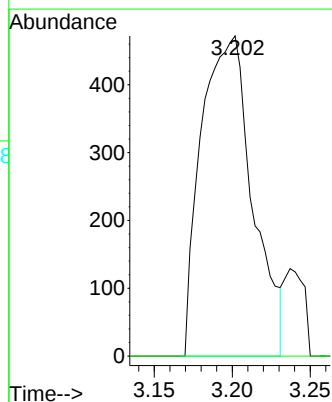
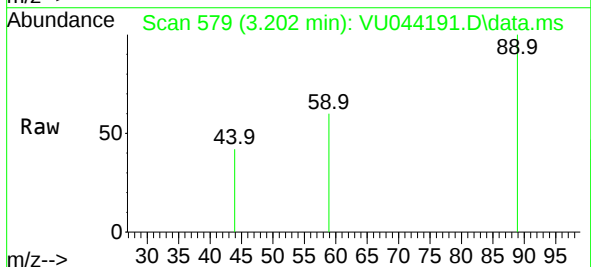
Instrument :
MSVOA_U
ClientSampleId :

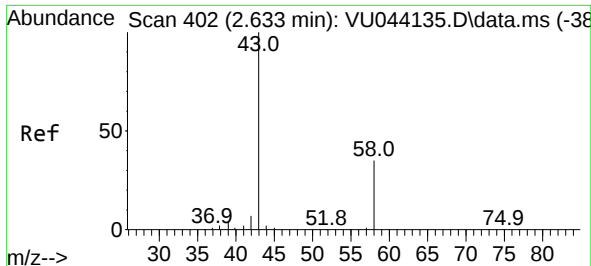
Tgt Ion: 64 Resp: 222
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 1.511 ug/l
RT: 3.202 min Scan# 579
Delta R.T. 0.003 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 59 Resp: 1079
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

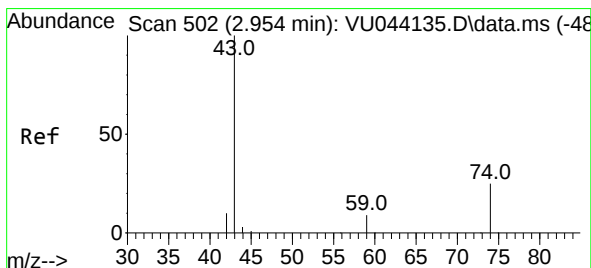
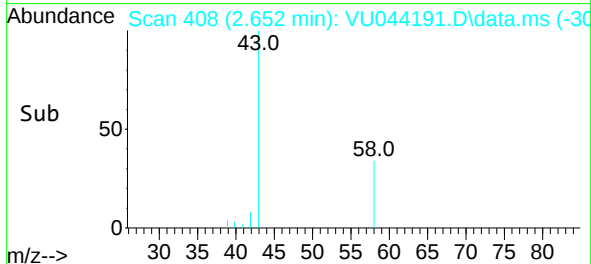
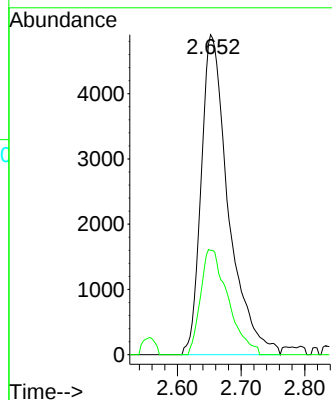
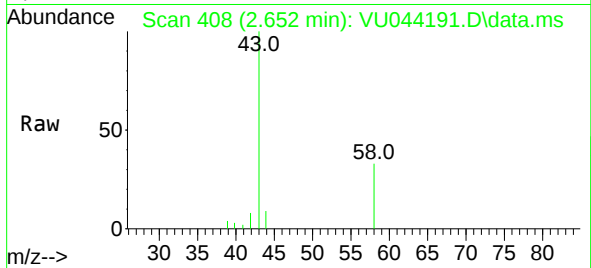




#16
Acetone
Concen: 8.578 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.019 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

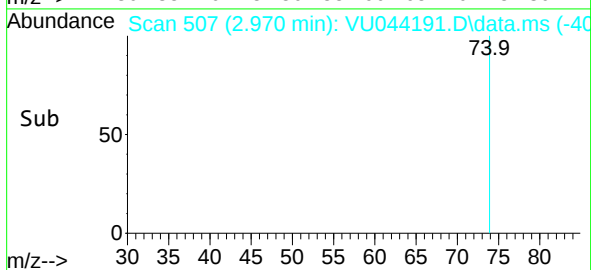
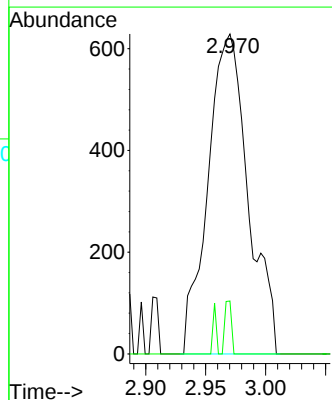
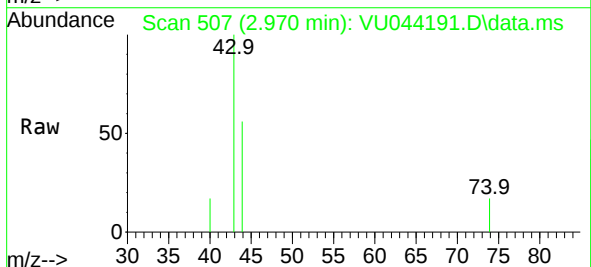
Instrument :
MSVOA_U
ClientSampled :

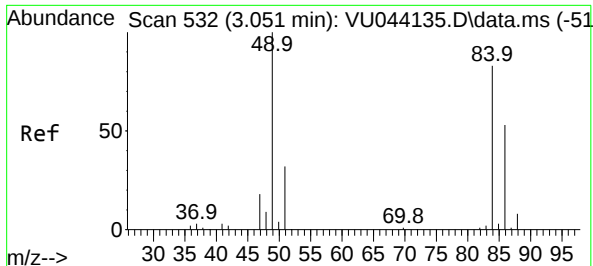
Tgt Ion: 43 Resp: 14588
Ion Ratio Lower Upper
43 100
58 32.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.431 ug/l
RT: 2.970 min Scan# 507
Delta R.T. 0.016 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
74 2.7 20.3 30.5#





#20

Methylene Chloride

Concen: 2.492 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044191.D

Acq: 14 Jun 2021 19:01

Tgt Ion: 84 Resp: 8684

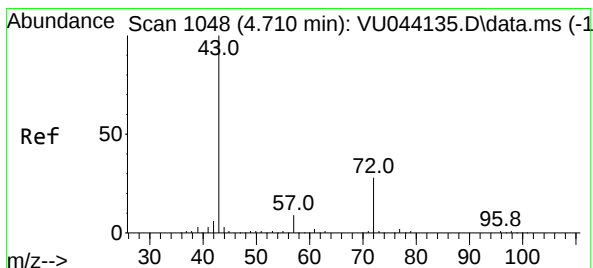
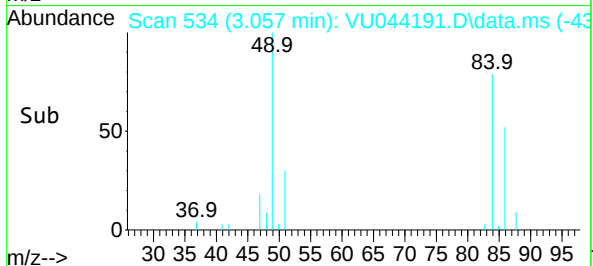
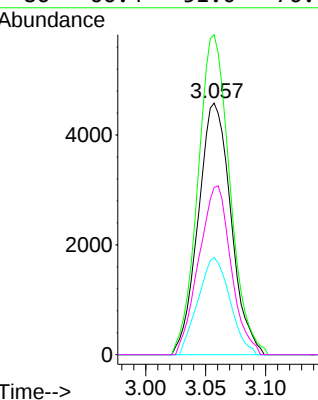
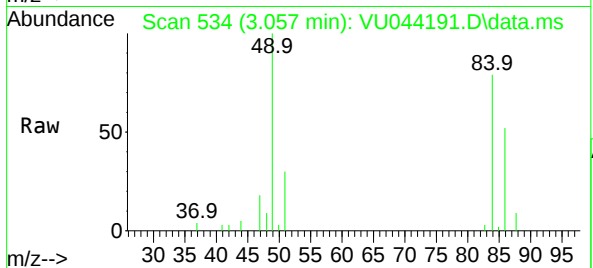
Ion Ratio Lower Upper

84 100

49 127.2 96.9 145.3

51 38.7 31.0 46.6

86 66.4 51.0 76.6



#25

2-Butanone

Concen: 1.708 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.016 min

Lab File: VU044191.D

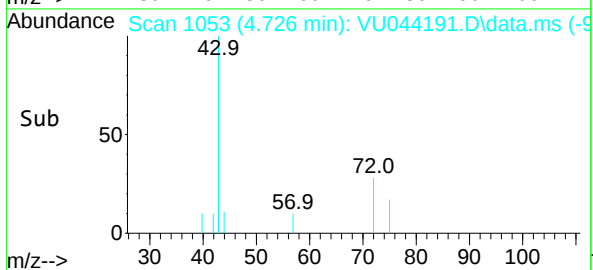
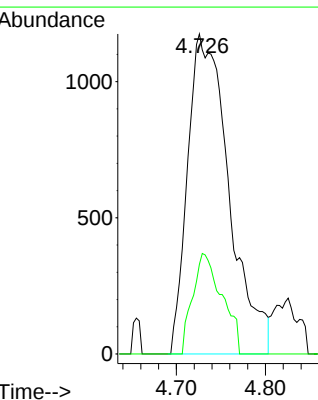
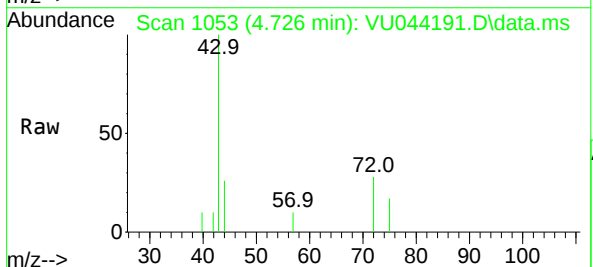
Acq: 14 Jun 2021 19:01

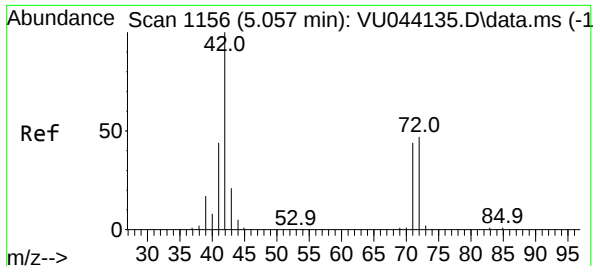
Tgt Ion: 43 Resp: 3784

Ion Ratio Lower Upper

43 100

72 28.0 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.517 ug/l

RT: 5.076 min Scan# 1162

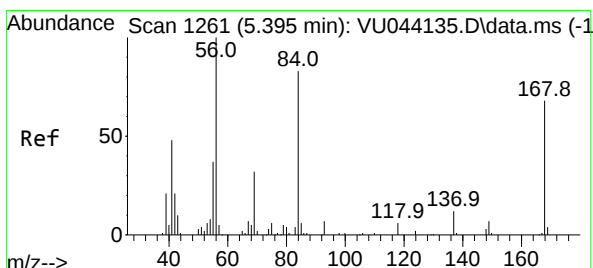
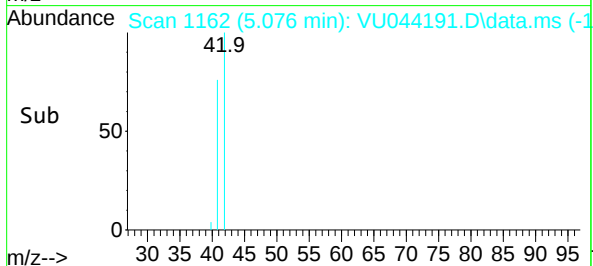
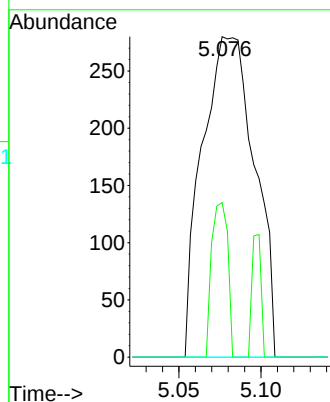
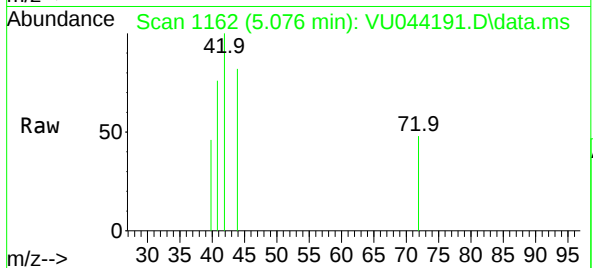
Delta R.T. 0.019 min

Lab File: VU044191.D

Acq: 14 Jun 2021 19:01

Tgt Ion:	42	Resp:	622
Ion	Ratio	Lower	Upper
42	100		
72	14.8	38.6	57.8#
71	0.0	35.5	53.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.015 ug/l

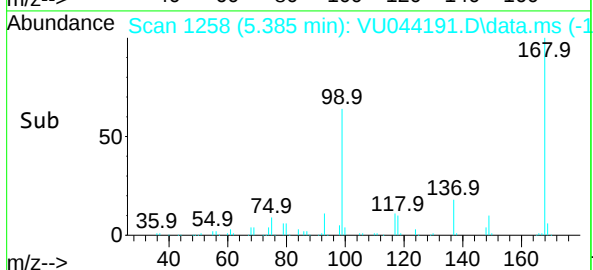
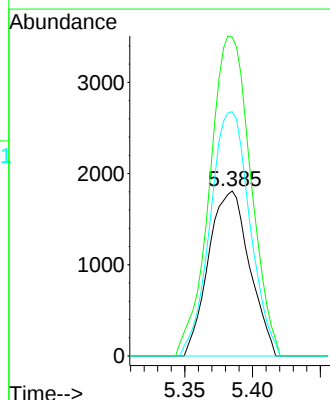
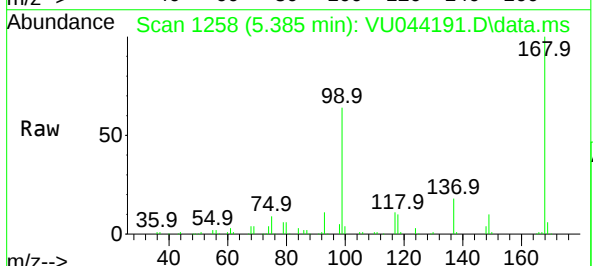
RT: 5.385 min Scan# 1258

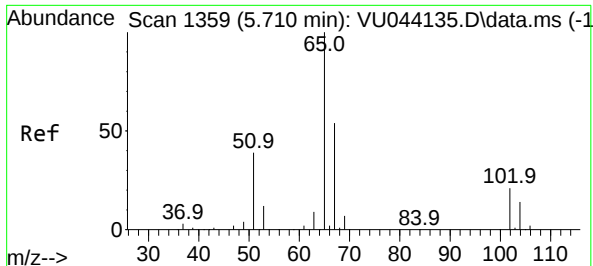
Delta R.T. -0.010 min

Lab File: VU044191.D

Acq: 14 Jun 2021 19:01

Tgt Ion:	56	Resp:	3803
Ion	Ratio	Lower	Upper
56	100		
69	193.3	25.5	38.3#
84	148.1	66.3	99.5#



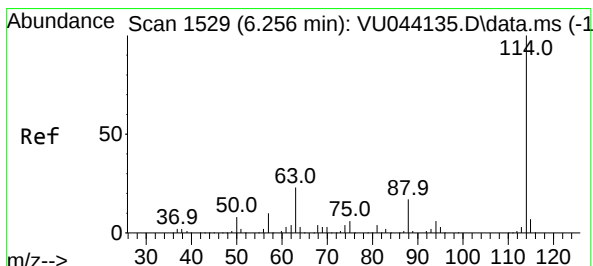
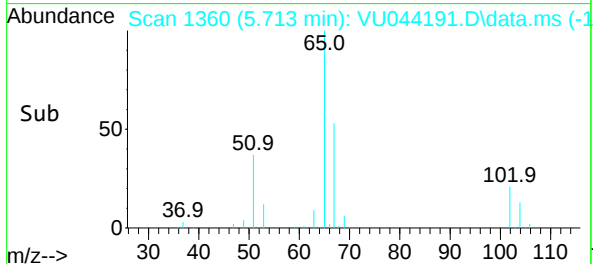
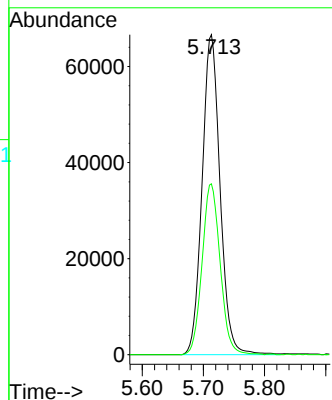
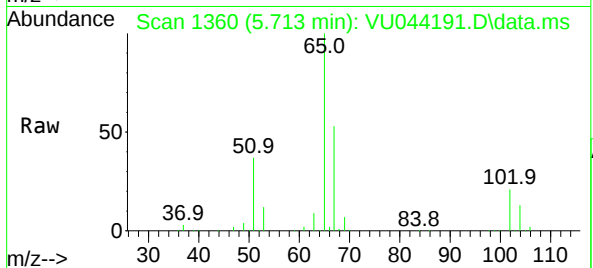


#33

1,2-Dichloroethane-d4
Concen: 51.273 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Instrument :
MSVOA_U
ClientSampleId :

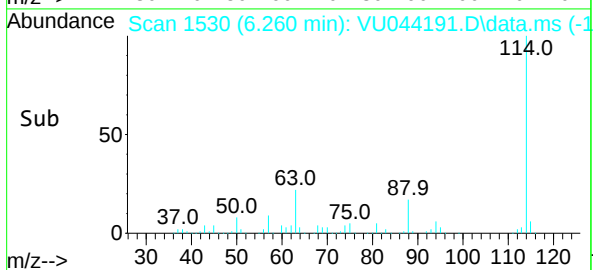
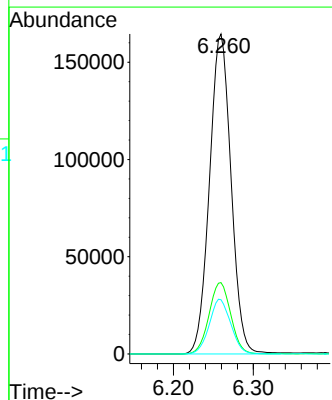
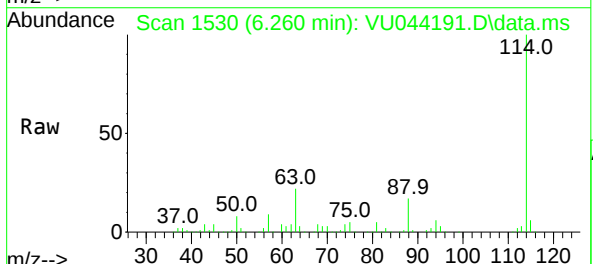
Tgt Ion: 65 Resp: 136066
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6

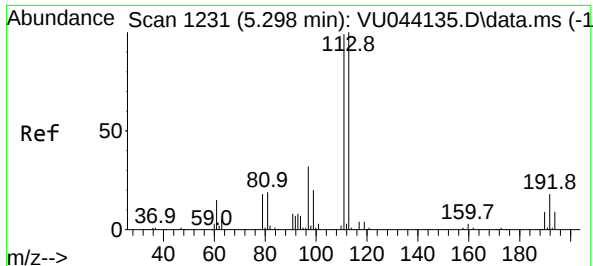


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.004 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 114 Resp: 307772
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.8
88 16.9 0.0 34.0

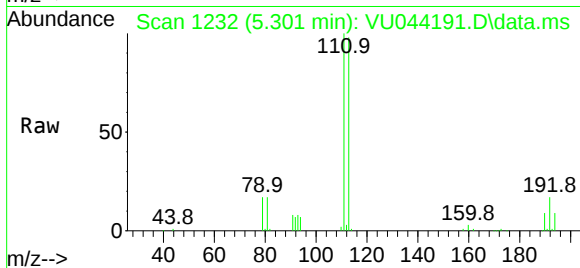




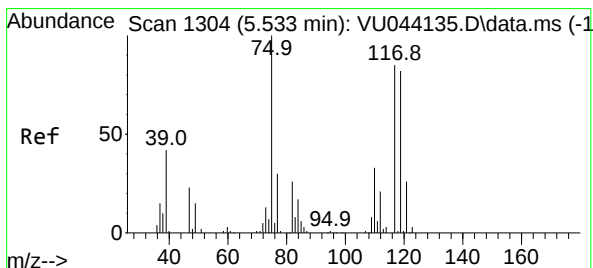
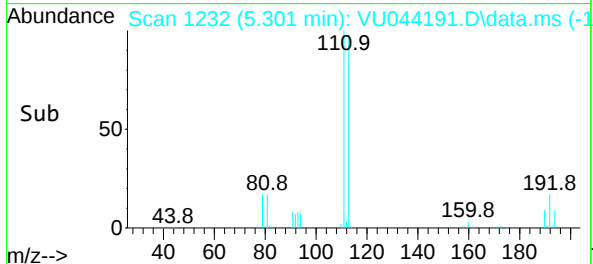
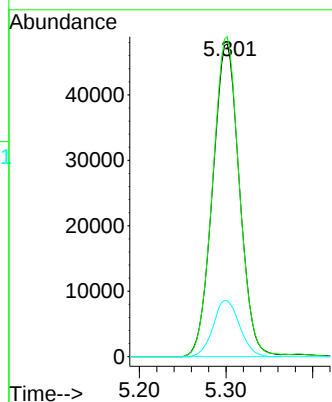
#35

Dibromofluoromethane
Concen: 48.036 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Instrument :
MSVOA_U
ClientSampleId :



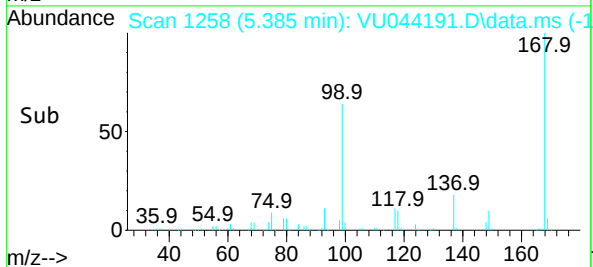
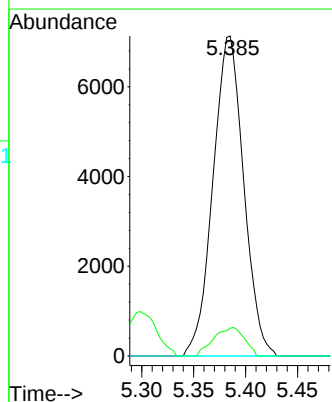
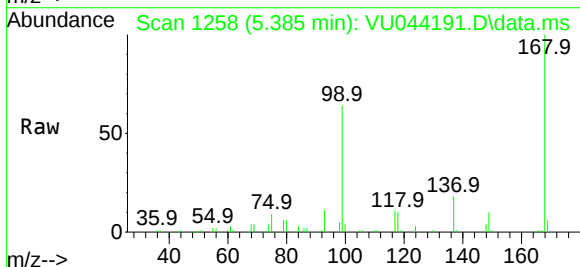
Tgt Ion:113 Resp: 102843
Ion Ratio Lower Upper
113 100
111 101.5 81.0 121.4
192 17.8 14.3 21.5

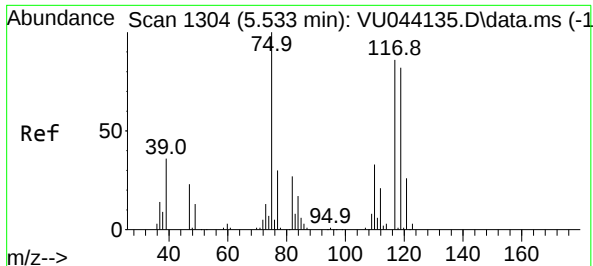


#36

1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

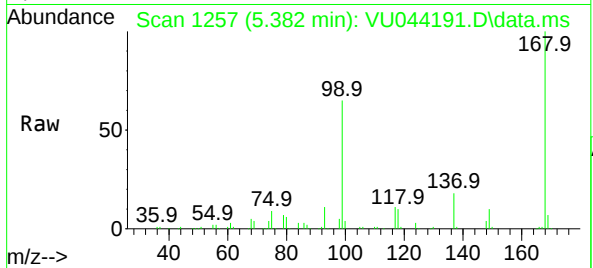
Tgt Ion: 75 Resp: 14646
Ion Ratio Lower Upper
75 100
110 8.9 16.4 49.4#
77 0.0 24.7 37.1#



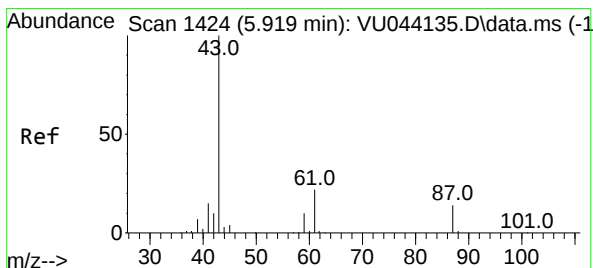
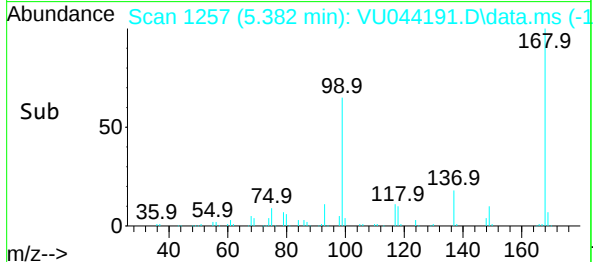
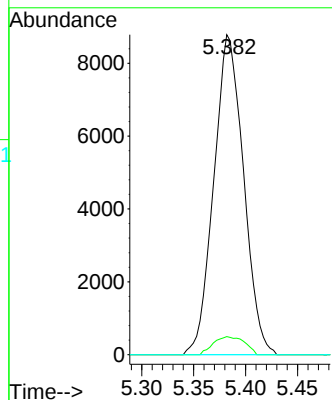


#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

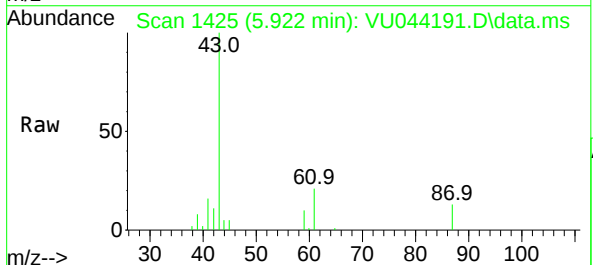
Instrument :
MSVOA_U
ClientSampled :



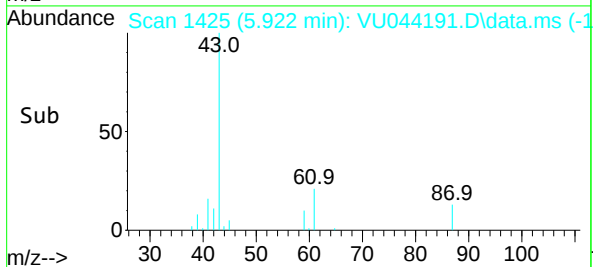
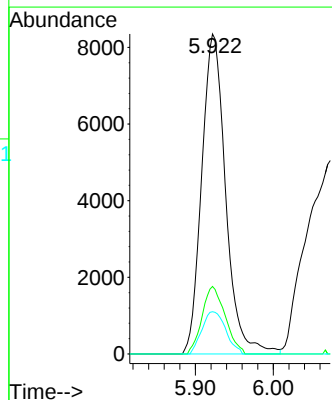
Tgt Ion:117 Resp: 17486
Ion Ratio Lower Upper
117 100
119 5.7 76.6 114.8#
121 0.0 24.6 36.8#

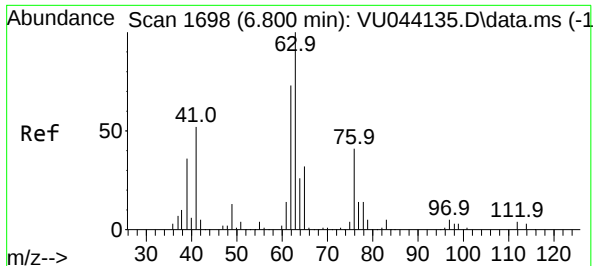


#43
Isopropyl Acetate
Concen: 3.069 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01



Tgt Ion: 43 Resp: 17854
Ion Ratio Lower Upper
43 100
61 20.3 17.8 26.8
87 13.1 11.1 16.7



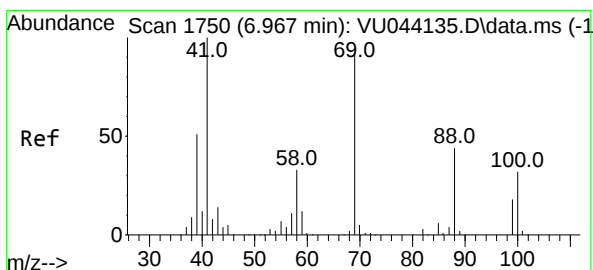
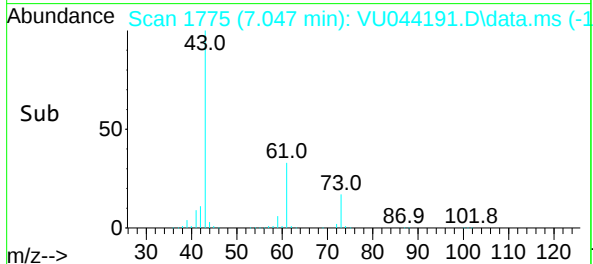
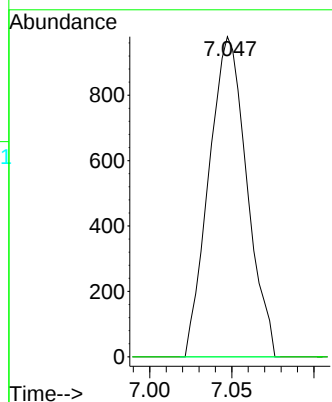
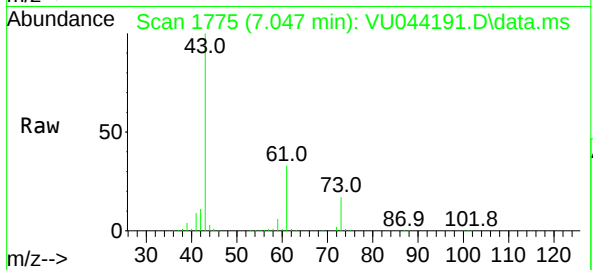


#45

1,2-Dichloropropane
Concen: 0.571 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Instrument :
MSVOA_U
ClientSampled :

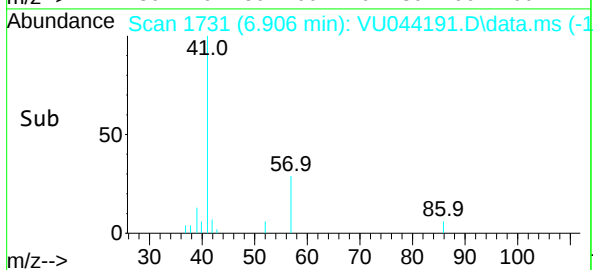
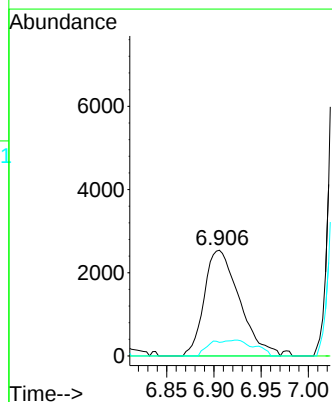
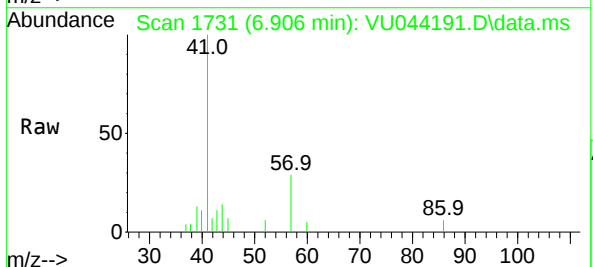
Tgt Ion: 63 Resp: 1573
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

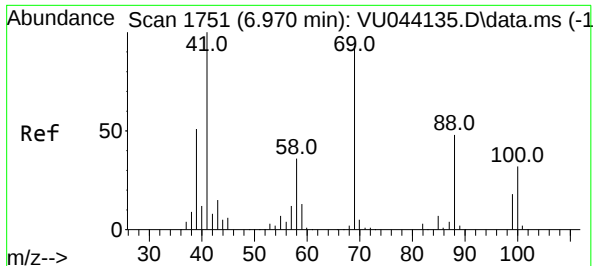


#48

Methyl methacrylate
Concen: 2.323 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 41 Resp: 6577
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: 0.999 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044191.D

Acq: 14 Jun 2021 19:01

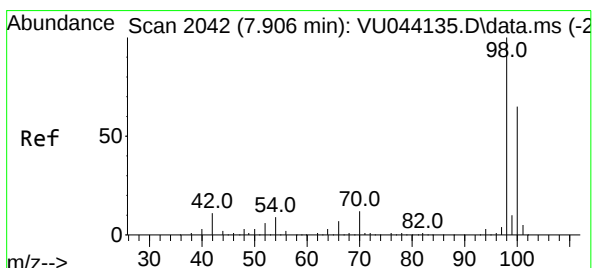
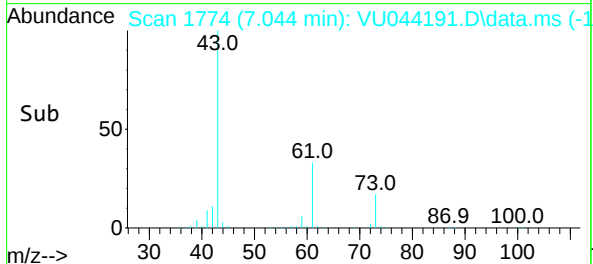
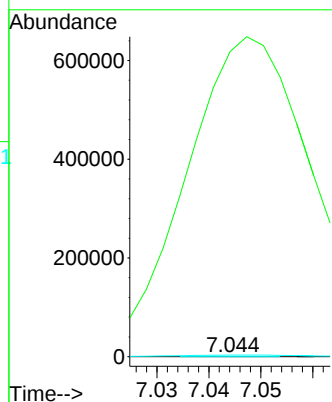
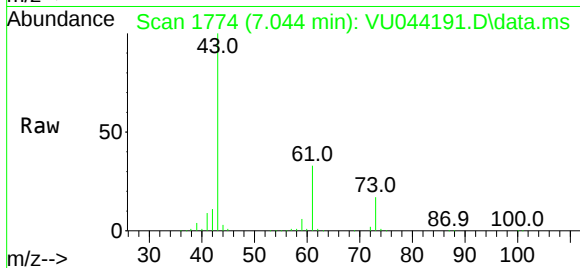
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 1585964.9 23.4 35.0#

58 8597.3 58.1 87.1#



#50

Toluene-d8

Concen: 49.004 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044191.D

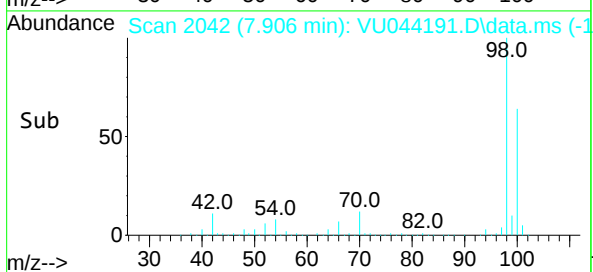
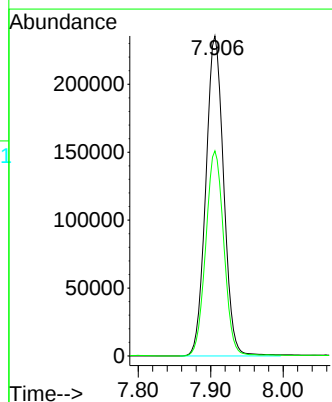
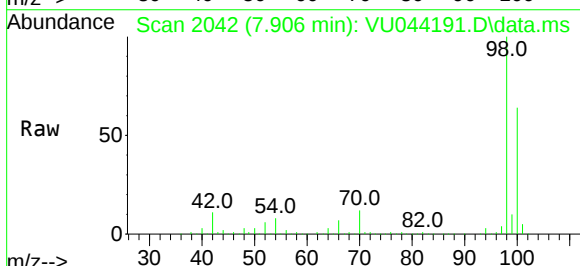
Acq: 14 Jun 2021 19:01

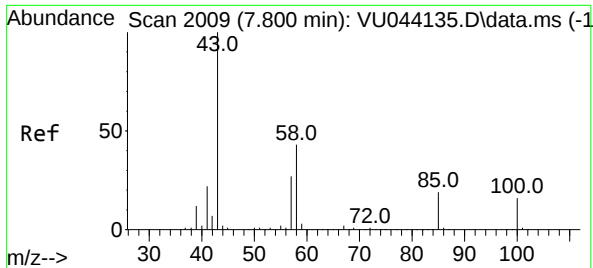
Tgt Ion: 98 Resp: 402926

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4

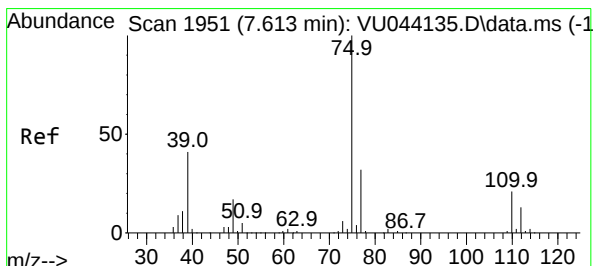
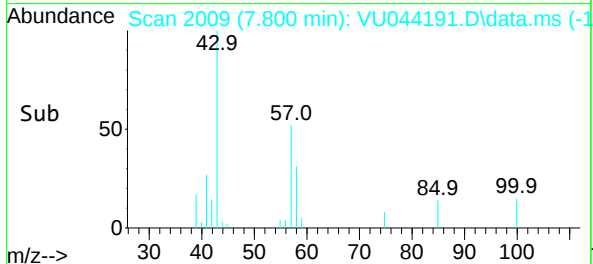
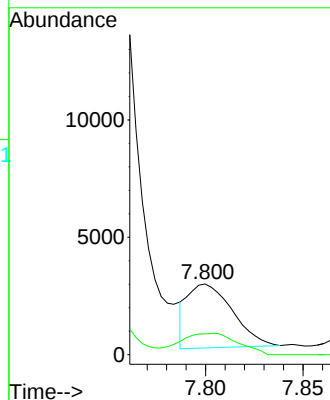
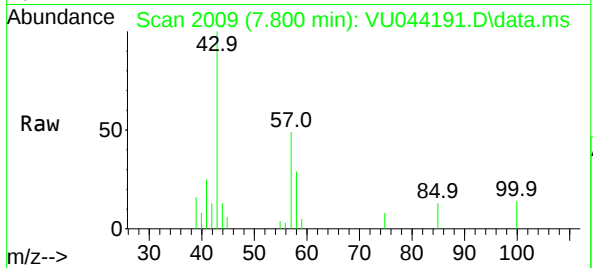




#51
4-Methyl-2-Pentanone
Concen: 1.037 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

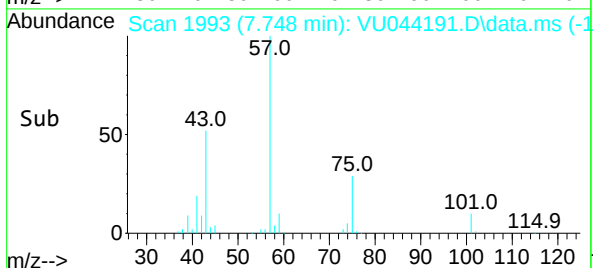
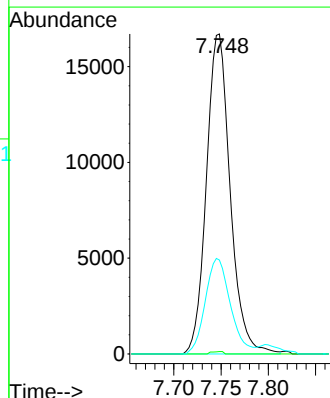
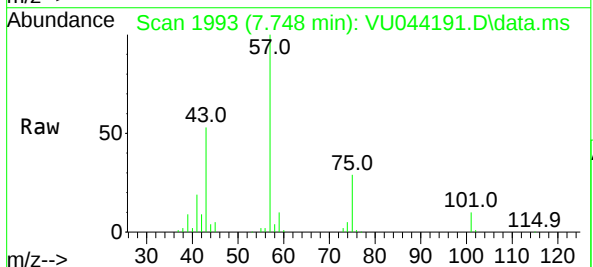
Instrument :
MSVOA_U
ClientSampled :

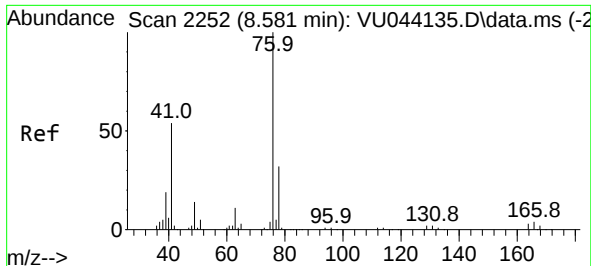
Tgt Ion: 43 Resp: 4365
Ion Ratio Lower Upper
43 100
58 42.7 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.081 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.135 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 75 Resp: 29221
Ion Ratio Lower Upper
75 100
77 0.8 25.9 38.9#
39 29.4 33.2 49.8#



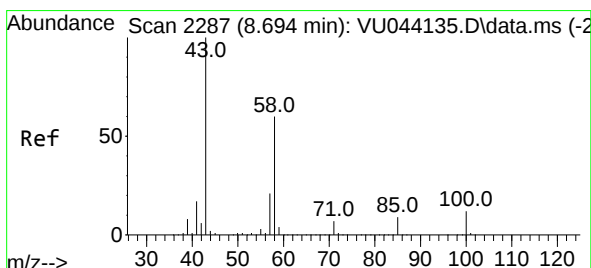
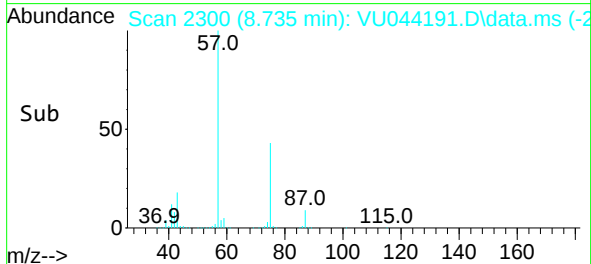
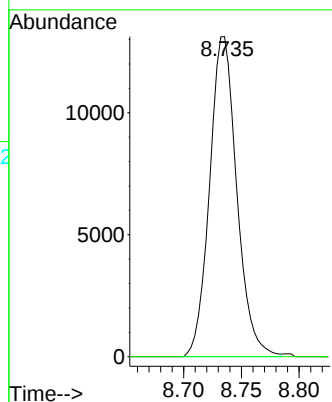
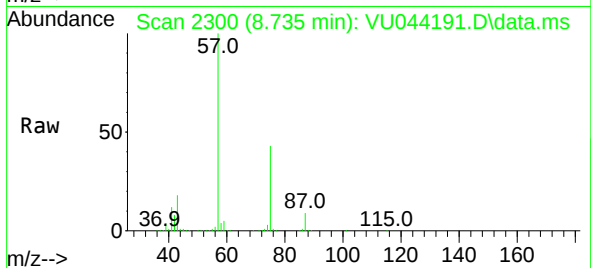


#57

1,3-Dichloropropane
Concen: 4.799 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Instrument :
MSVOA_U
ClientSampled :

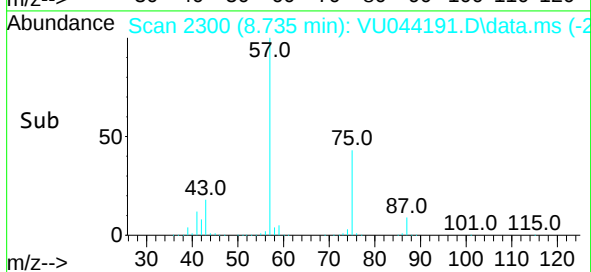
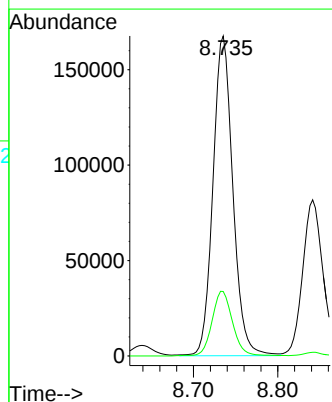
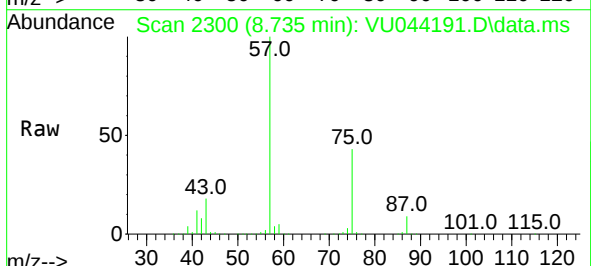
Tgt Ion: 76 Resp: 21510
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

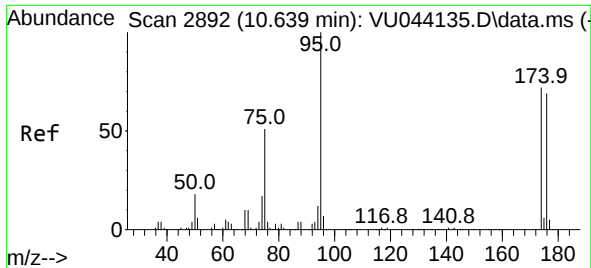


#59

2-Hexanone
Concen: 81.726 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 43 Resp: 274631
Ion Ratio Lower Upper
43 100
58 21.0 30.0 90.1#

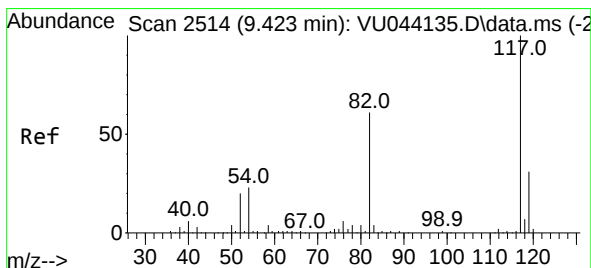
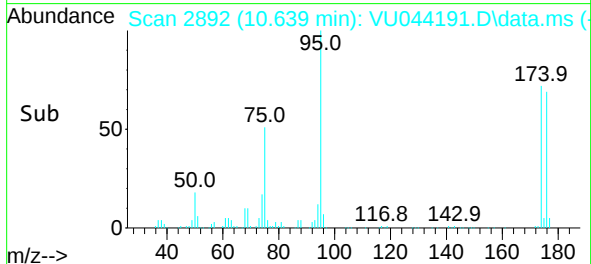
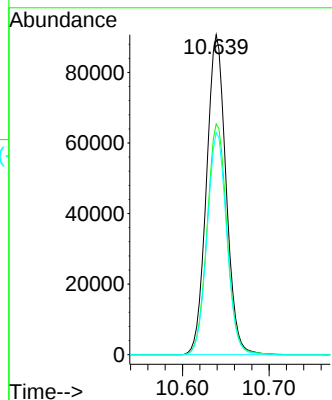
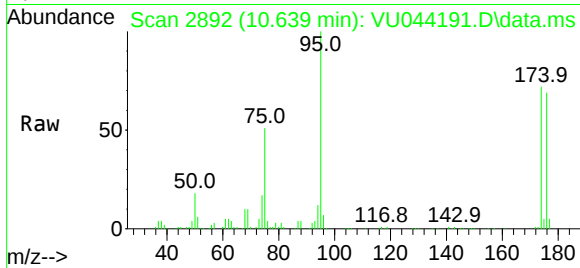




#62
4-Bromofluorobenzene
Concen: 43.151 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

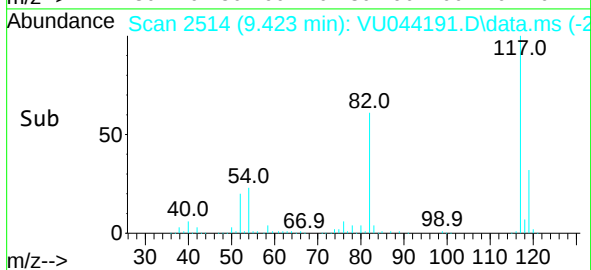
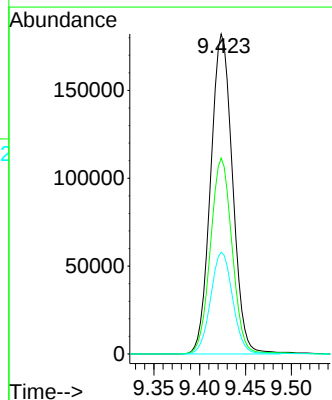
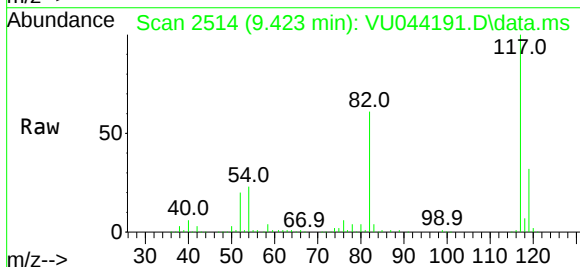
Instrument :
MSVOA_U
ClientSampleId :

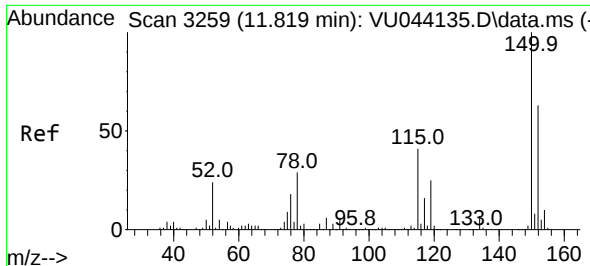
Tgt Ion: 95 Resp: 142186
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.4
176 69.8 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 117 Resp: 302626
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 31.8 25.0 37.6

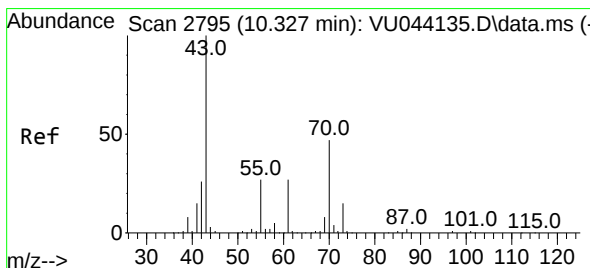
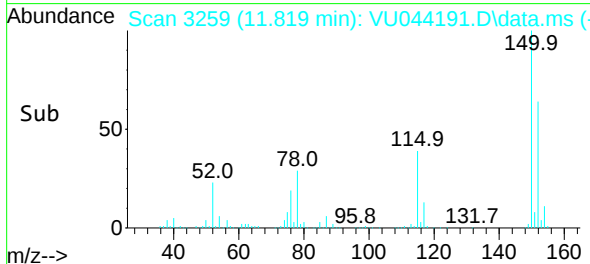
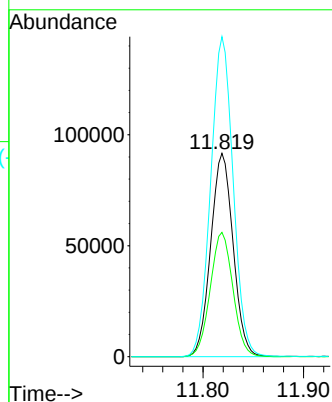
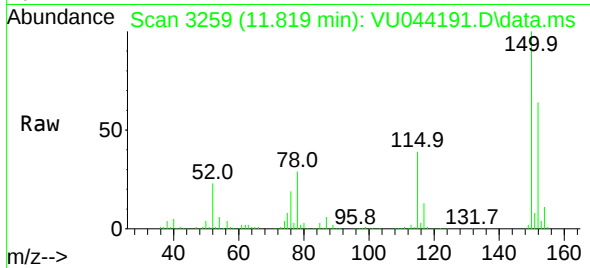




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

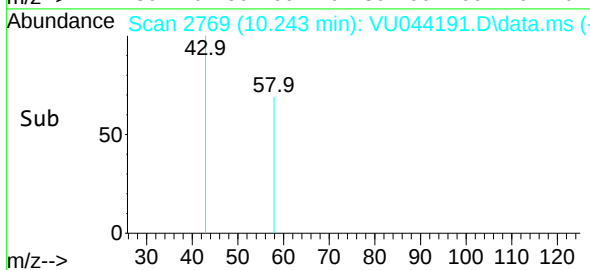
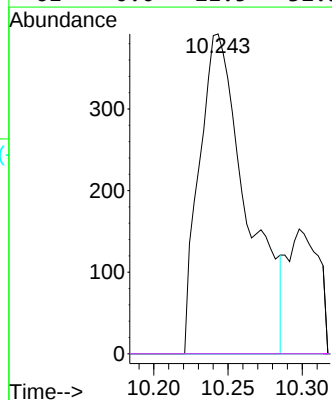
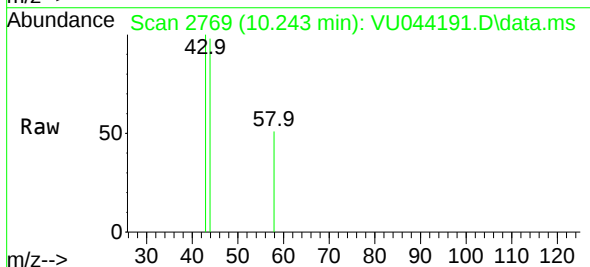
Instrument :
MSVOA_U
ClientSampled :

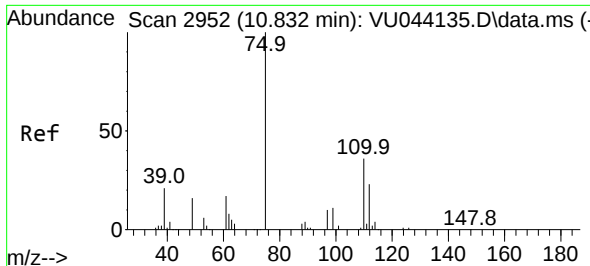
Tgt Ion:152 Resp: 142039
Ion Ratio Lower Upper
152 100
115 61.7 43.8 131.3
150 157.9 0.0 350.6



#74
N-ethyl acetate
Concen: 0.203 ug/l
RT: 10.243 min Scan# 2769
Delta R.T. -0.084 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
70 0.0 37.7 56.5#
55 0.0 22.4 33.6#
61 0.0 21.5 32.3#

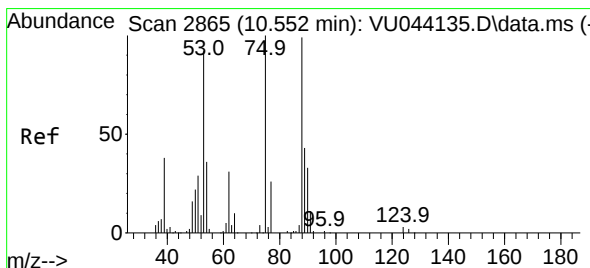
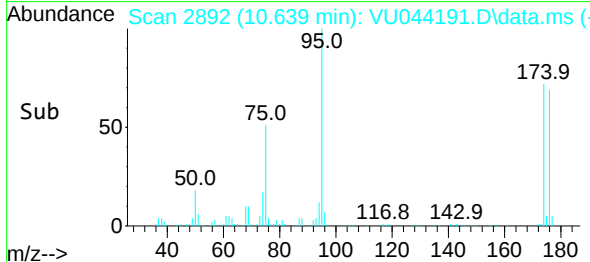
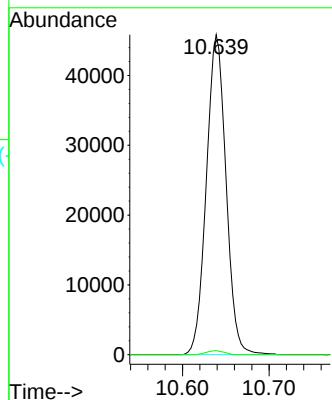
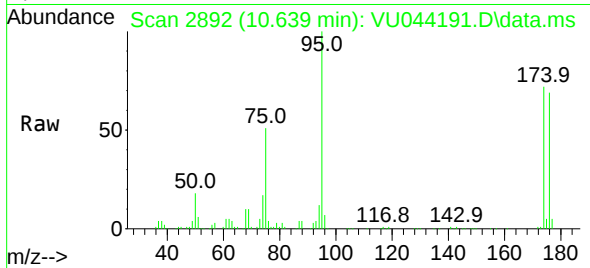




#76
1,2,3-Trichloropropane
Concen: 15.178 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

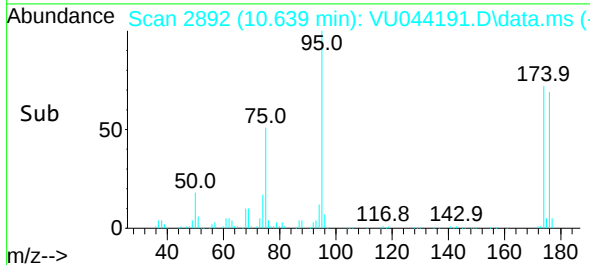
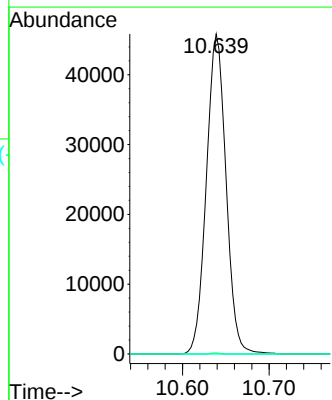
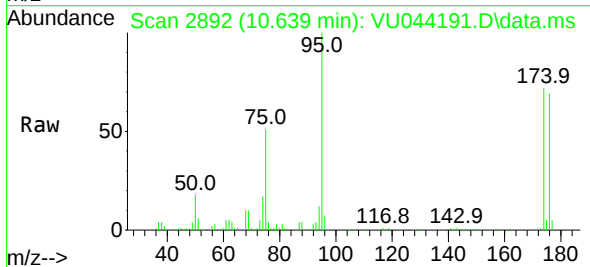
Instrument :
MSVOA_U
ClientSampled :

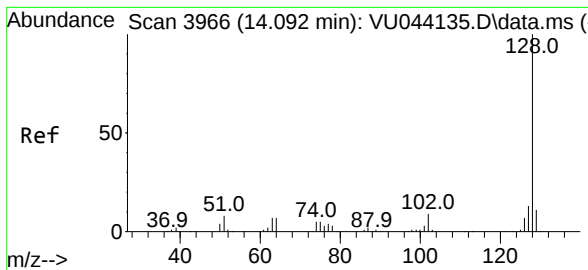
Tgt Ion: 75 Resp: 72280
Ion Ratio Lower Upper
75 100
77 1.1 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.019 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

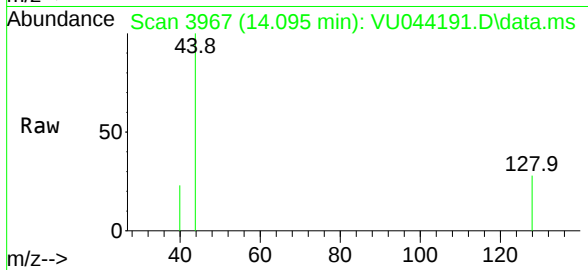
Tgt Ion: 75 Resp: 72280
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.846 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044191.D
Acq: 14 Jun 2021 19:01

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 104
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

