

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044163.D
 Acq On : 10 Jun 2021 18:08
 Operator : SY/MD
 Sample : PB136963TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:21:38 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)

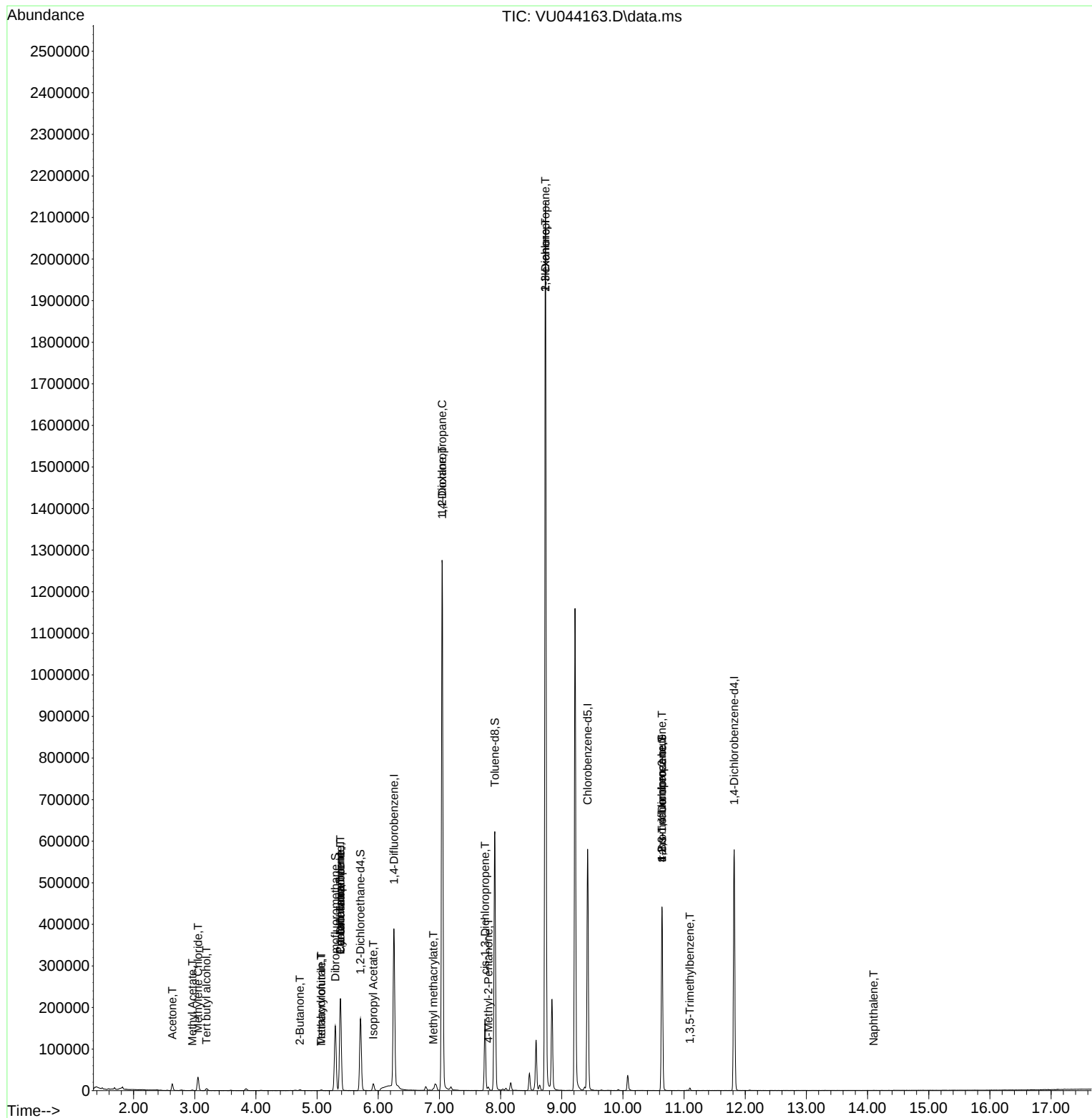
Internal Standards						
1) Pentafluorobenzene	5.382	168	145634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	296045	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	312696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	148734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	126143	54.467	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.940%	
35) Dibromofluoromethane	5.298	113	100673	48.885	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.780%	
50) Toluene-d8	7.906	98	401966	50.824	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.640%	
62) 4-Bromofluorobenzene	10.639	95	151121	47.680	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.360%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	478	Below Cal	#	79
6) Chloroethane	1.932	64	81	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	3220	5.168	ug/l #	73
16) Acetone	2.633	43	17513	12.612	ug/l	100
18) Methyl Acetate	2.961	43	1905	0.639	ug/l #	88
20) Methylene Chloride	3.054	84	15515	6.388	ug/l	99
25) 2-Butanone	4.719	43	3223	1.667	ug/l	91
29) Tetrahydrofuran	5.067	42	1183	1.126	ug/l #	75
31) Cyclohexane	5.382	56	3066	0.938	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	12403	3.766	ug/l #	51
38) Carbon Tetrachloride	5.382	117	15474	5.204	ug/l #	17
41) Methacrylonitrile	5.070	41	576	0.285	ug/l #	25
43) Isopropyl Acetate	5.919	43	16993	3.037	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1637	0.618	ug/l #	43
48) Methyl methacrylate	6.899	41	6110	2.244	ug/l #	11
49) 1,4-Dioxane	7.047	88	42	0.590	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	5093	1.257	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	29992	7.556	ug/l #	63
57) 1,3-Dichloropropane	8.732	76	22214	5.153	ug/l #	42
59) 2-Hexanone	8.732	43	274793	85.013	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	77124	15.466	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.095	105	3897	0.440	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.639	75	77124	56.063	ug/l #	13
95) Naphthalene	14.098	128	167	2.851	ug/l #	69

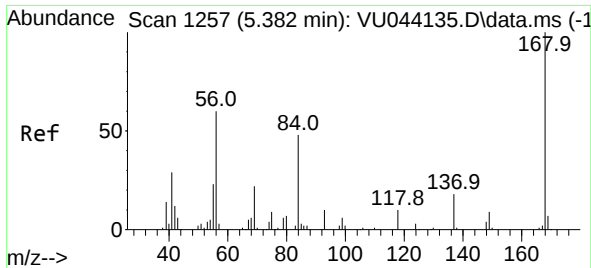
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

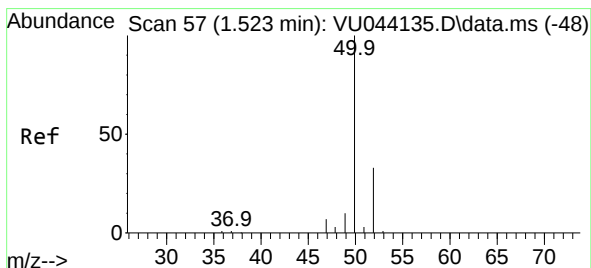
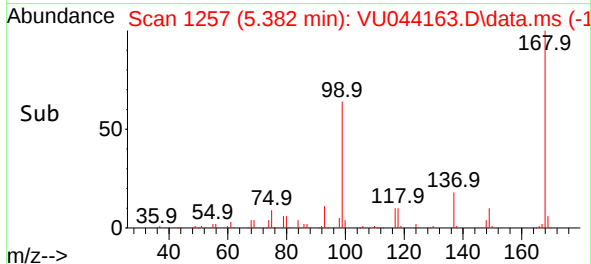
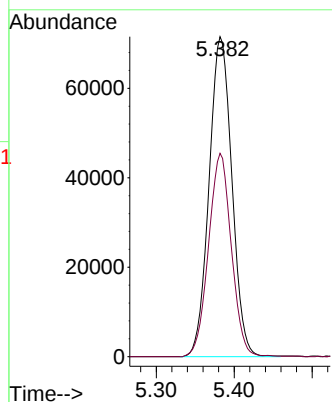
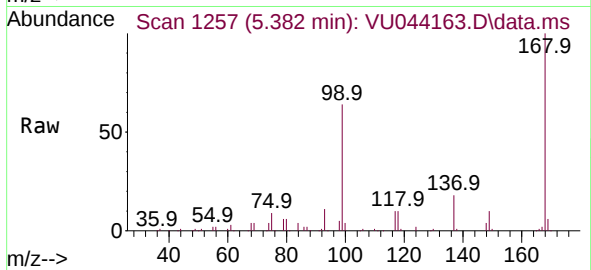




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

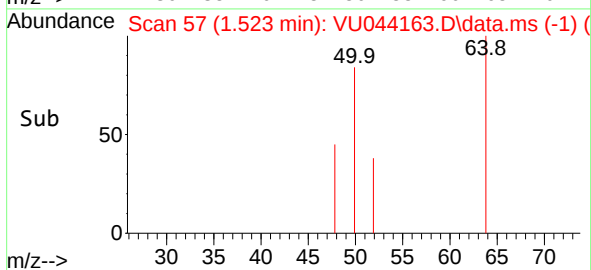
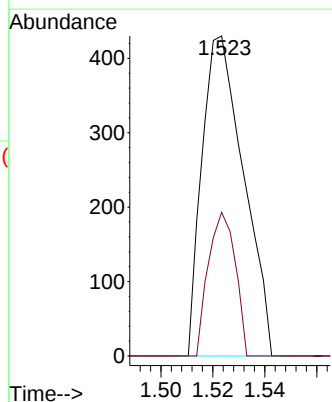
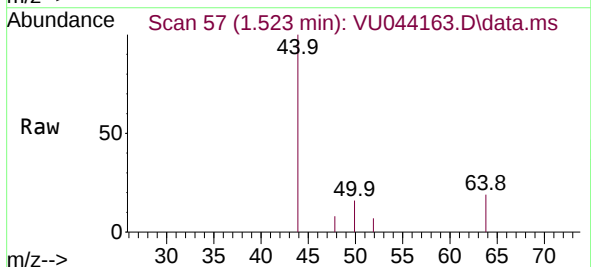
Instrument :
MSVOA_U
ClientSampleId :

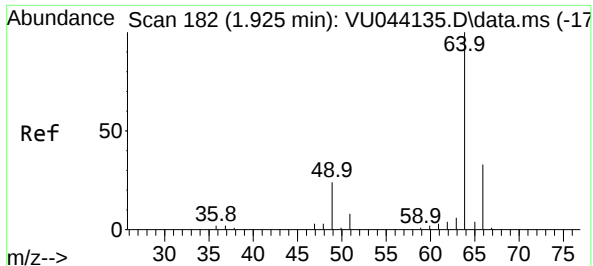
Tgt Ion:168 Resp: 145634
Ion Ratio Lower Upper
168 100
99 63.6 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 50 Resp: 478
Ion Ratio Lower Upper
50 100
52 44.9 26.6 39.8#

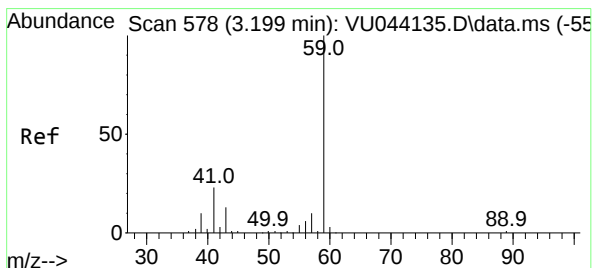
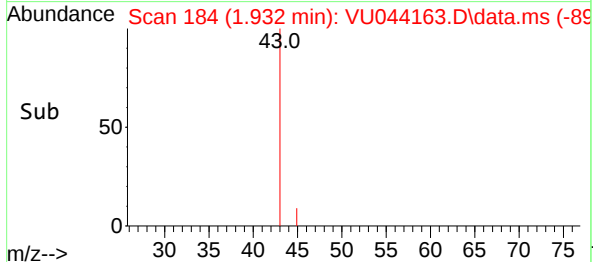
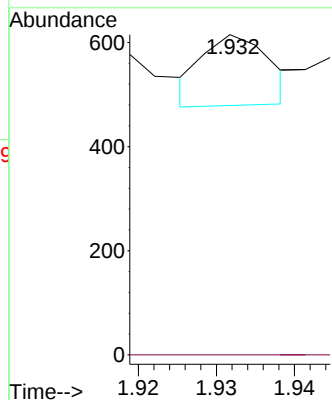
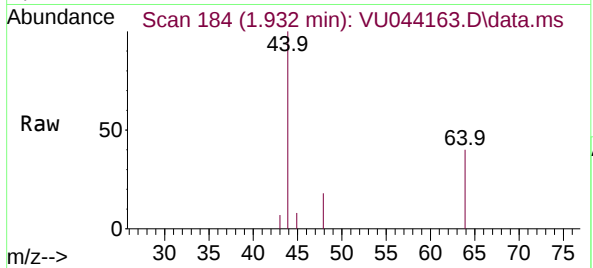




#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. 0.007 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

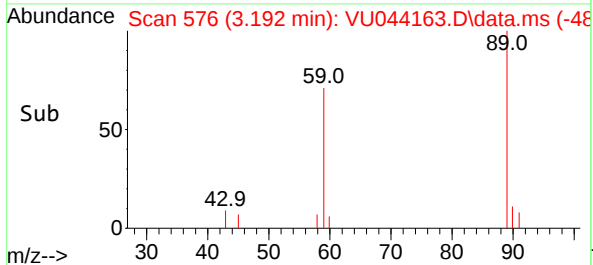
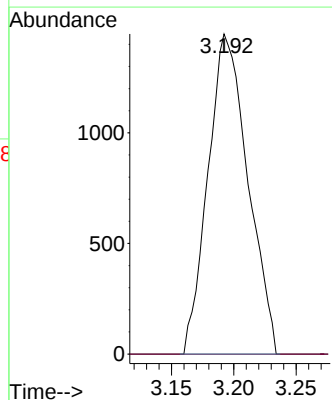
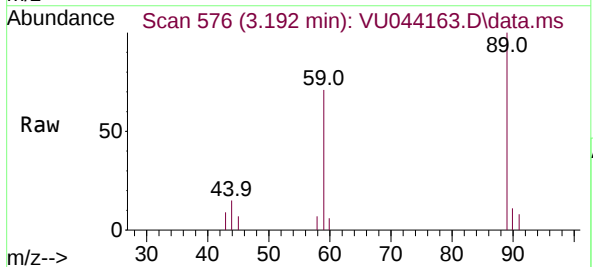
Instrument :
MSVOA_U
ClientSampled :

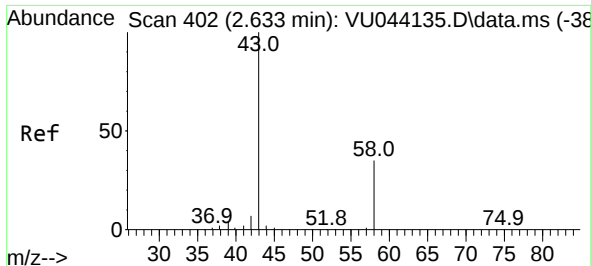
Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 5.168 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 59 Resp: 3220
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

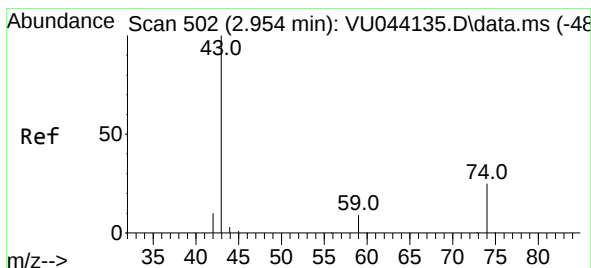
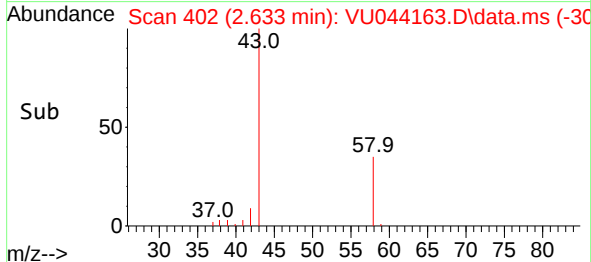
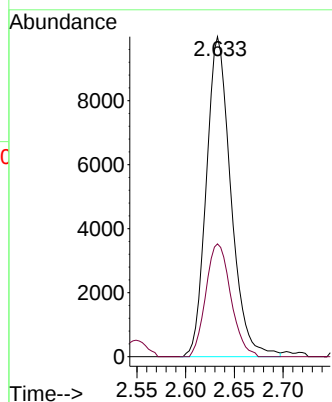
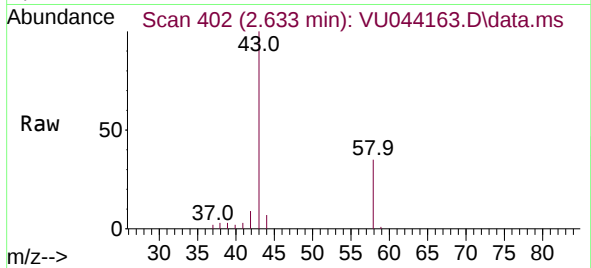




#16
Acetone
Concen: 12.612 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

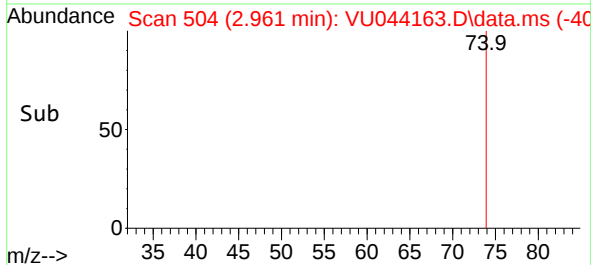
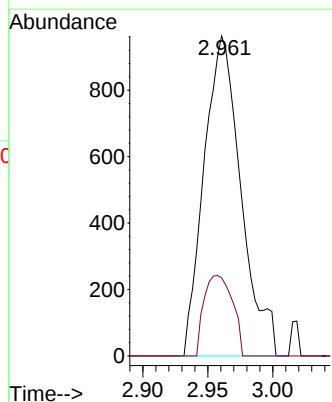
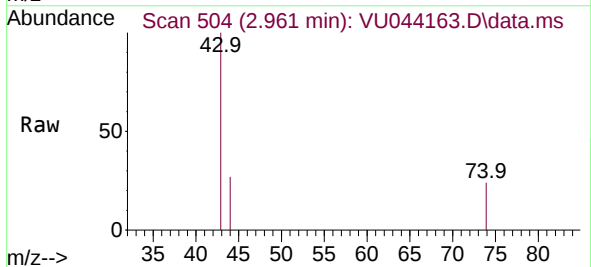
Instrument :
MSVOA_U
ClientSampled :

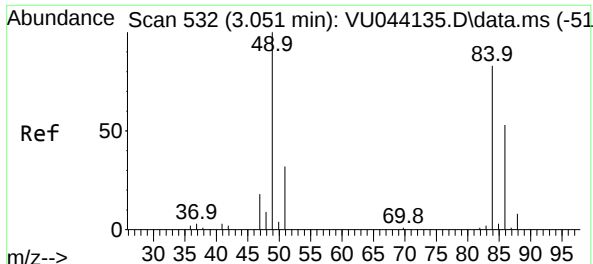
Tgt Ion: 43 Resp: 17513
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0



#18
Methyl Acetate
Concen: 0.639 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
74 19.3 20.3 30.5#





#20

Methylene Chloride

Concen: 6.388 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU044163.D

Acq: 10 Jun 2021 18:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 15515

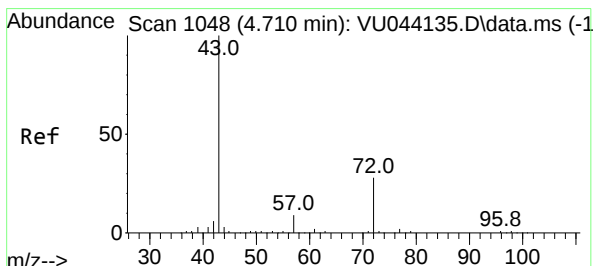
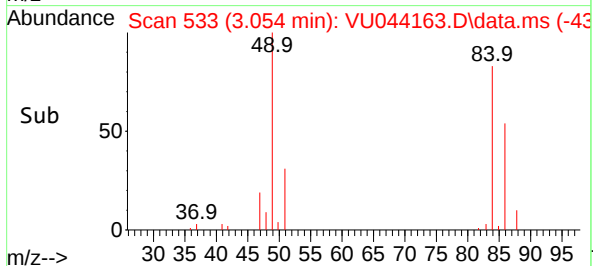
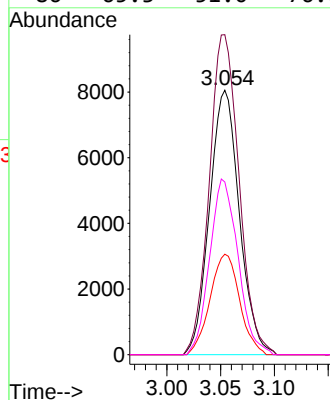
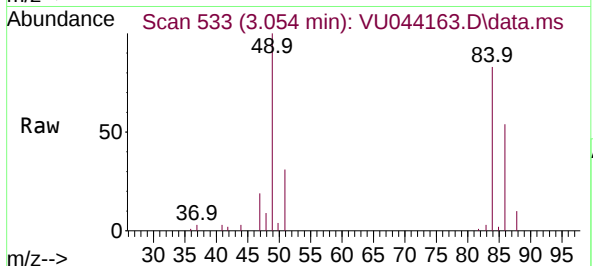
Ion Ratio Lower Upper

84 100

49 121.0 96.9 145.3

51 38.0 31.0 46.6

86 65.3 51.0 76.6



#25

2-Butanone

Concen: 1.667 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.009 min

Lab File: VU044163.D

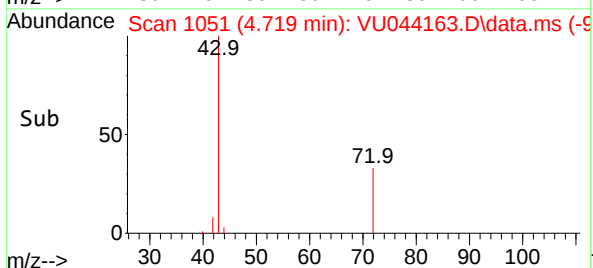
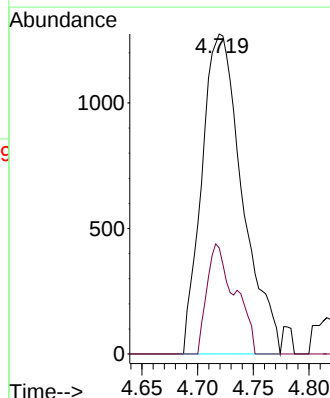
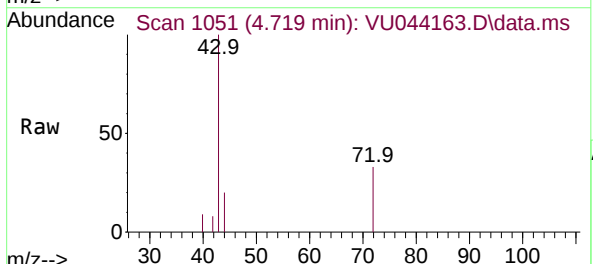
Acq: 10 Jun 2021 18:08

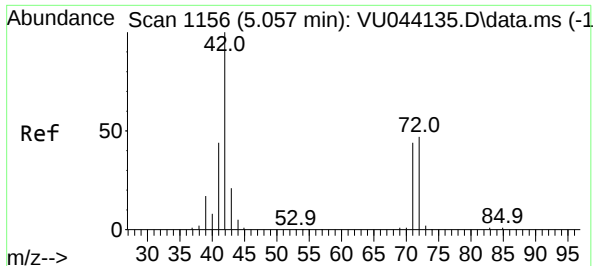
Tgt Ion: 43 Resp: 3223

Ion Ratio Lower Upper

43 100

72 33.1 22.6 33.8





#29

Tetrahydrofuran

Concen: 1.126 ug/l

RT: 5.067 min Scan# 1159

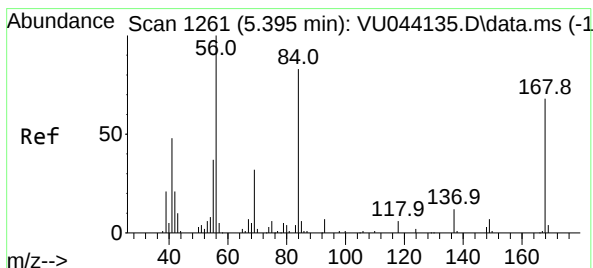
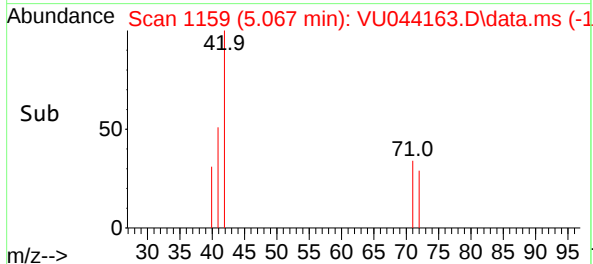
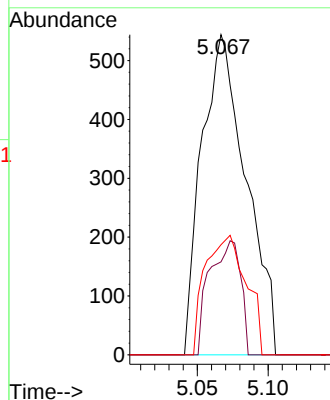
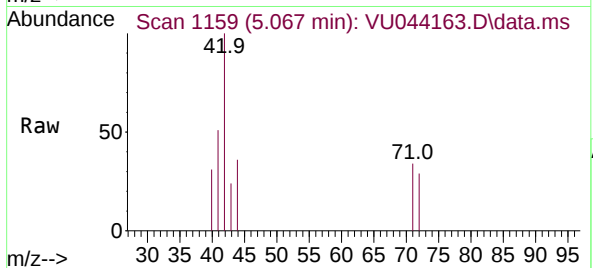
Delta R.T. 0.010 min

Lab File: VU044163.D

Acq: 10 Jun 2021 18:08

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 42	Resp: 1183
Ion Ratio	Lower Upper
42 100	
72 24.9	38.6 57.8#
71 34.5	35.5 53.3#



#31

Cyclohexane

Concen: 0.938 ug/l

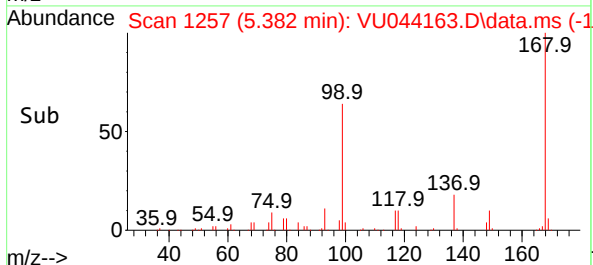
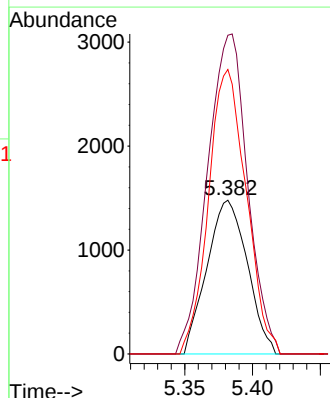
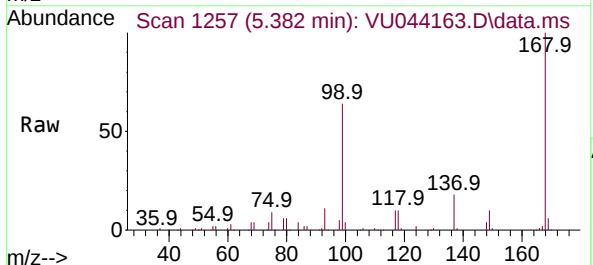
RT: 5.382 min Scan# 1257

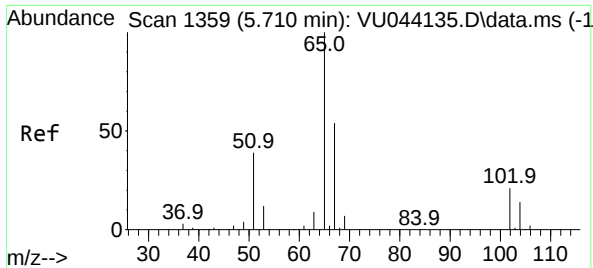
Delta R.T. -0.013 min

Lab File: VU044163.D

Acq: 10 Jun 2021 18:08

Tgt Ion: 56	Resp: 3066
Ion Ratio	Lower Upper
56 100	
69 207.3	25.5 38.3#
84 185.1	66.3 99.5#



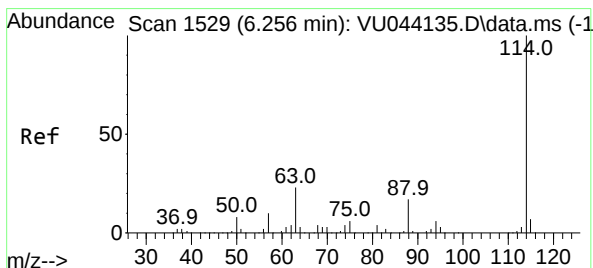
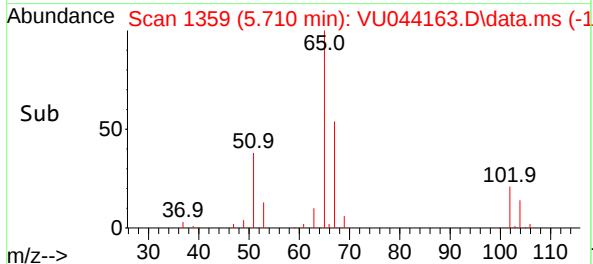
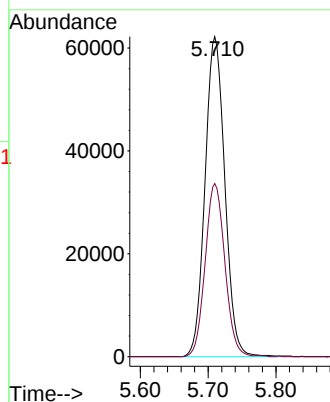
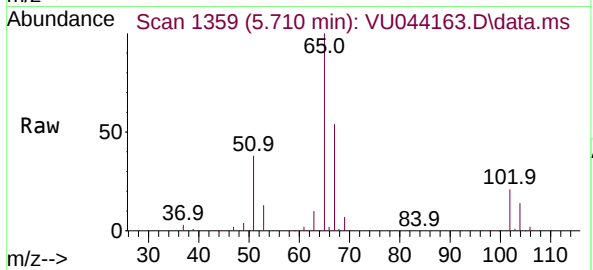


#33

1,2-Dichloroethane-d4
Concen: 54.467 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Instrument :
MSVOA_U
ClientSampled :

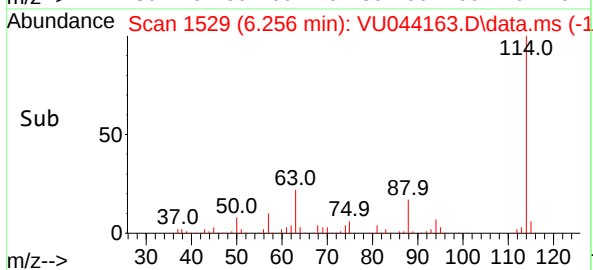
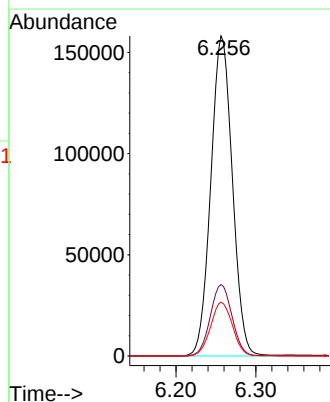
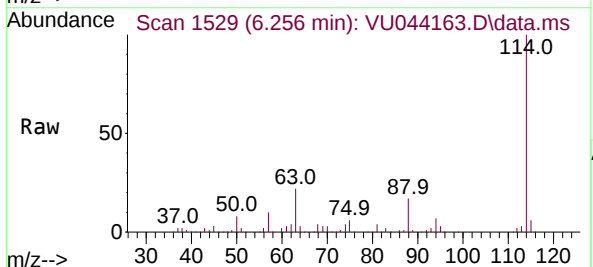
Tgt Ion: 65 Resp: 126143
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6

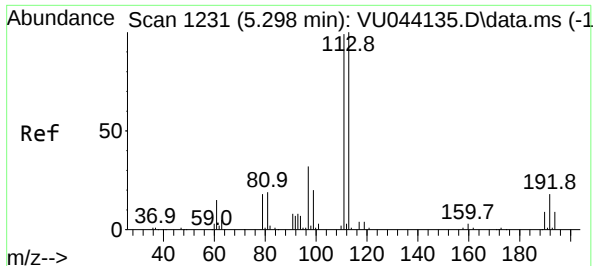


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 114 Resp: 296045
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.8
88 16.8 0.0 34.0

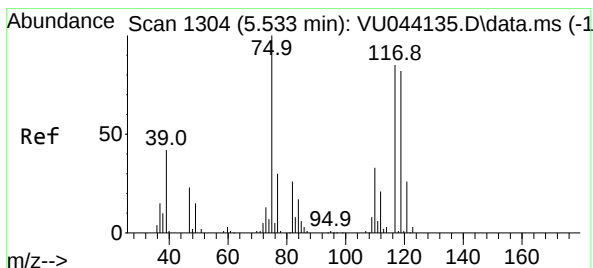
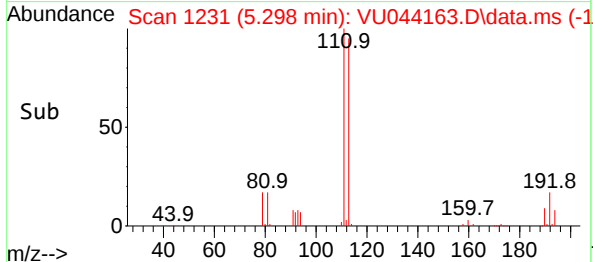
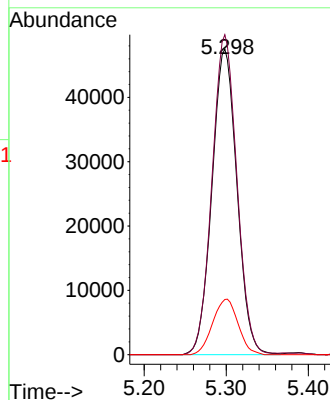
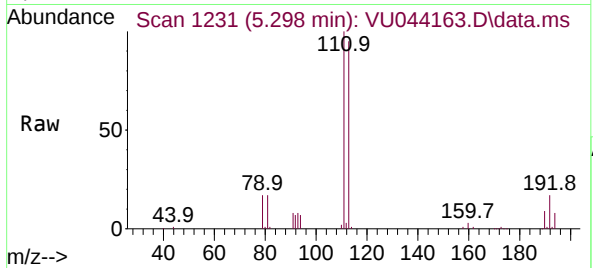




#35
Dibromofluoromethane
Concen: 48.885 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

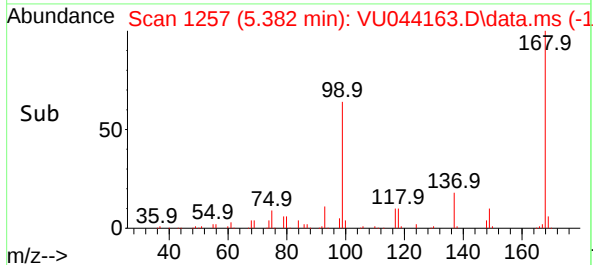
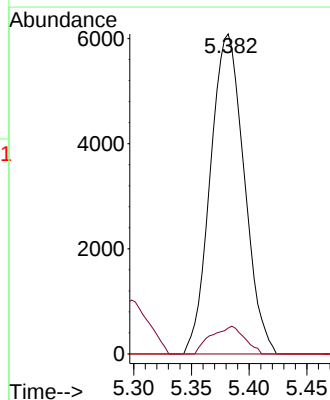
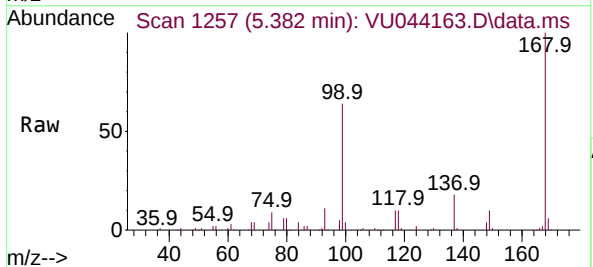
Instrument :
MSVOA_U
ClientSampleId :

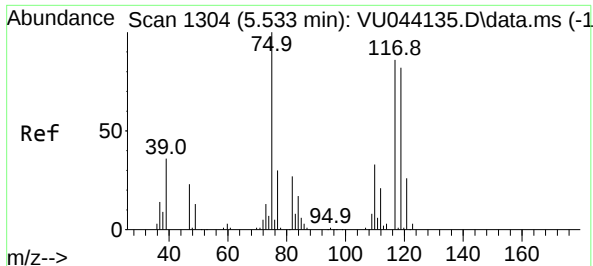
Tgt Ion:113 Resp: 100673
Ion Ratio Lower Upper
113 100
111 104.2 81.0 121.4
192 18.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 3.766 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

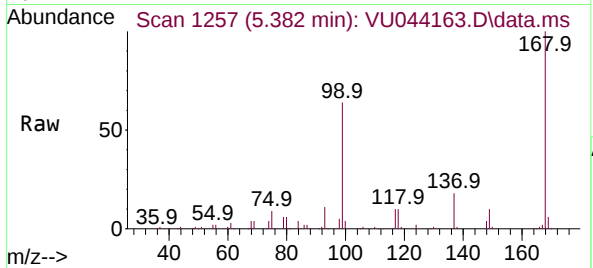
Tgt Ion: 75 Resp: 12403
Ion Ratio Lower Upper
75 100
110 8.6 16.4 49.4#
77 0.0 24.7 37.1#



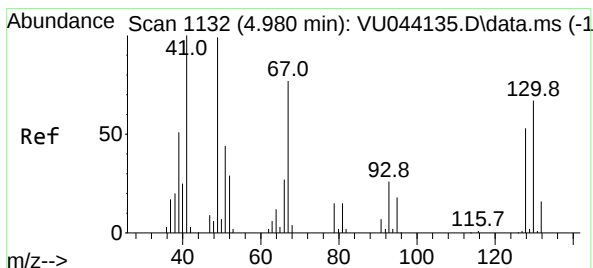
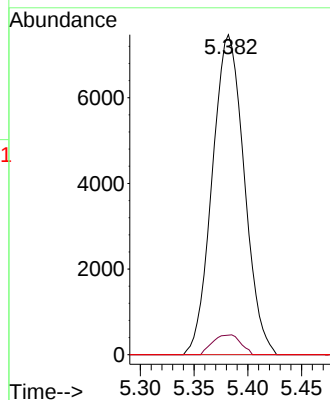
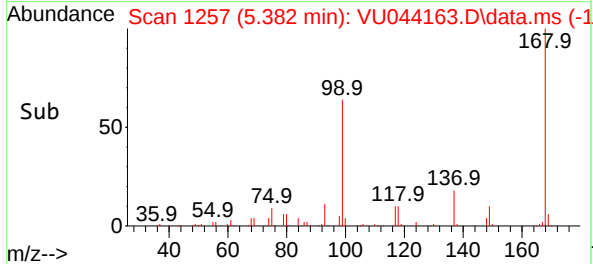


#38
Carbon Tetrachloride
Concen: 5.204 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

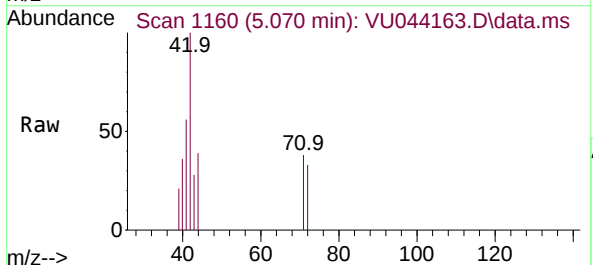
Instrument :
MSVOA_U
ClientSampled :



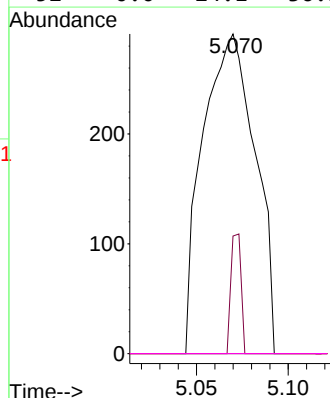
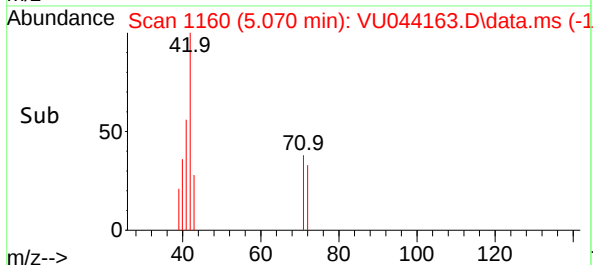
Tgt Ion:117 Resp: 15474
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.6 36.8#

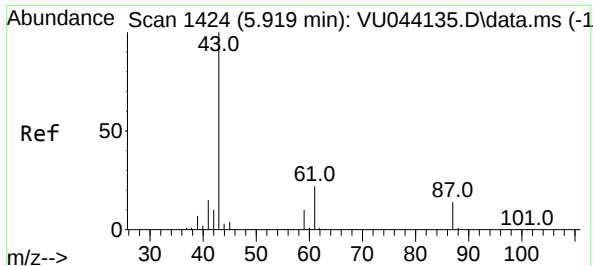


#41
Methacrylonitrile
Concen: 0.285 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.090 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08



Tgt Ion: 41 Resp: 576
Ion Ratio Lower Upper
41 100
39 7.3 41.4 62.0#
67 0.0 62.6 93.8#
52 0.0 24.1 36.1#

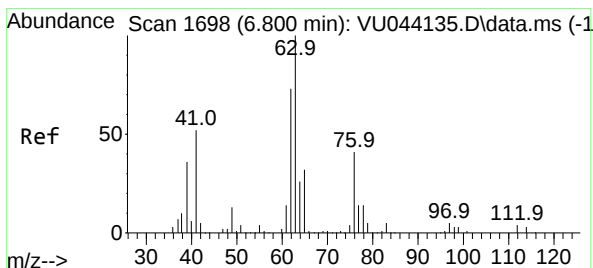
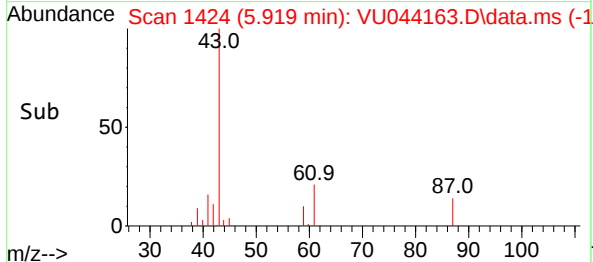
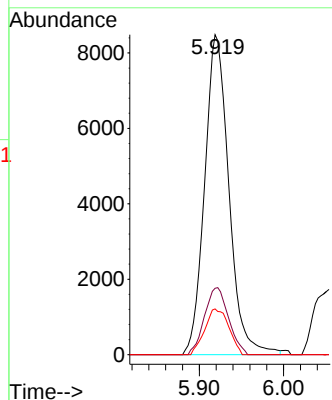
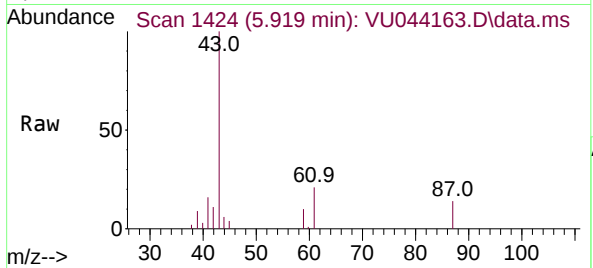




#43
Isopropyl Acetate
Concen: 3.037 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

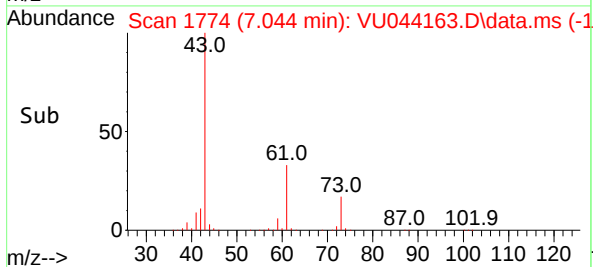
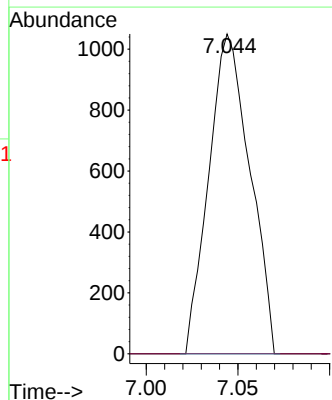
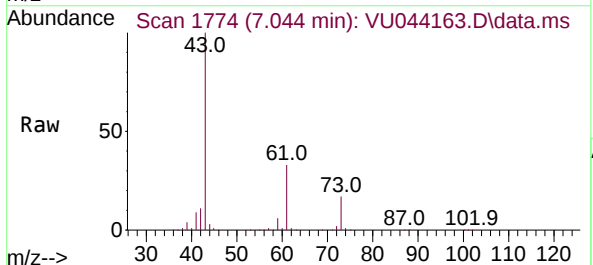
Instrument :
MSVOA_U
ClientSampled :

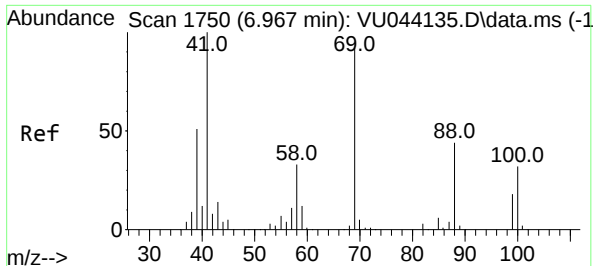
Tgt Ion:	43	Resp:	16993
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.8	26.8
87	14.2	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.618 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion:	63	Resp:	1637
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5#

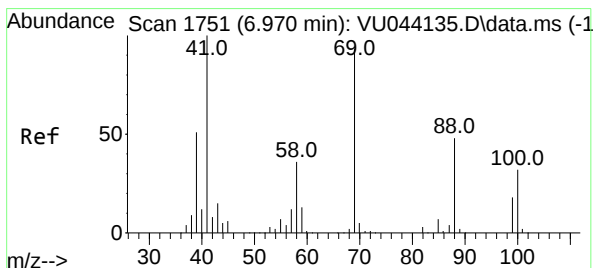
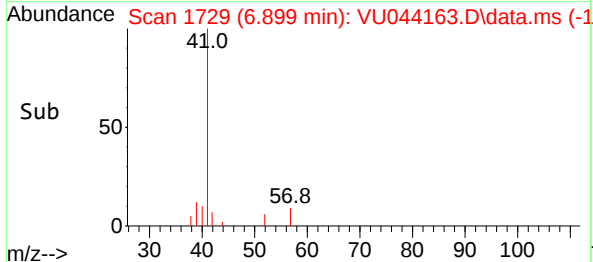
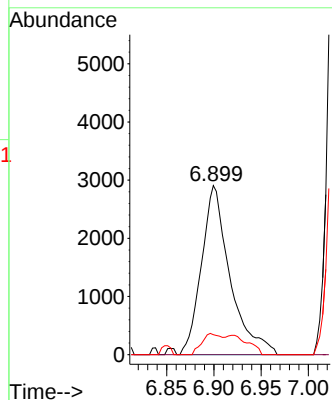
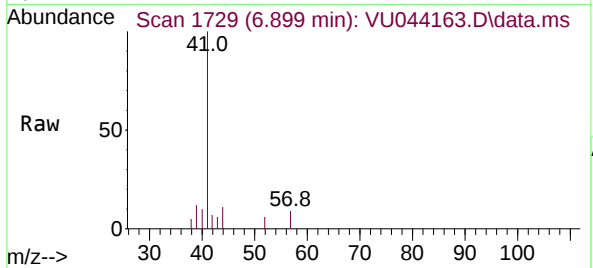




#48
Methyl methacrylate
Concen: 2.244 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

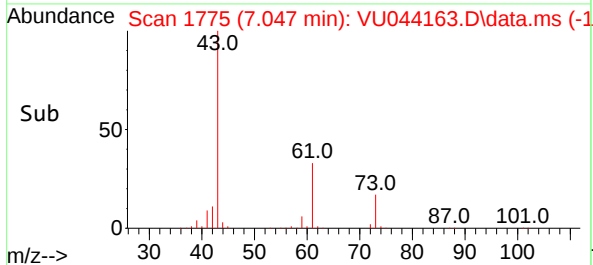
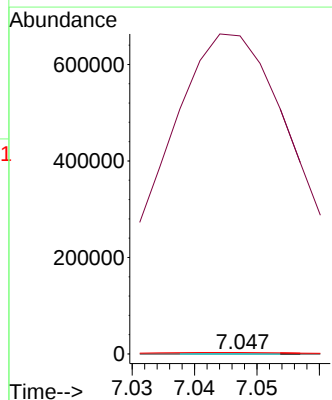
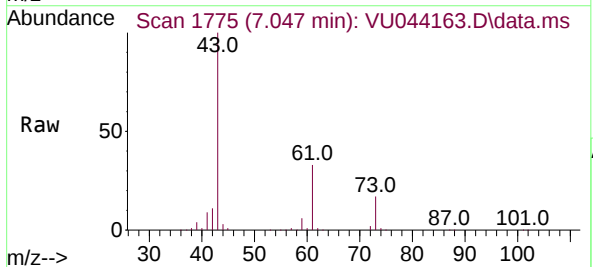
Instrument :
MSVOA_U
ClientSampled :

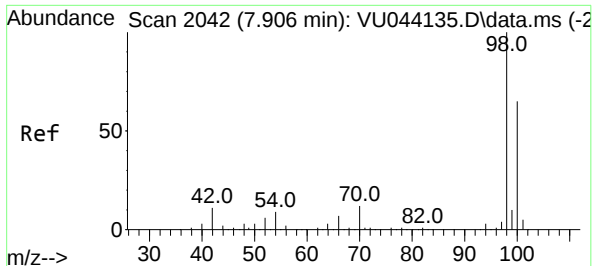
Tgt Ion: 41 Resp: 6110
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 0.590 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.077 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 2676219.0 23.4 35.0#
58 13821.4 58.1 87.1#

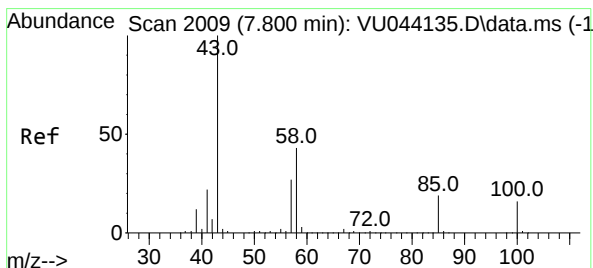
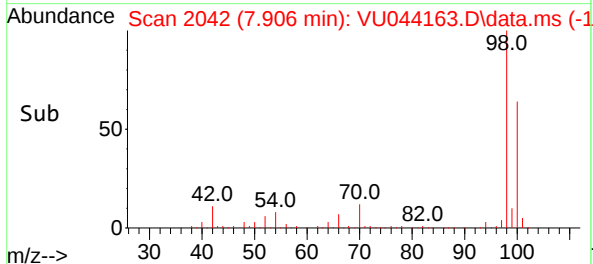
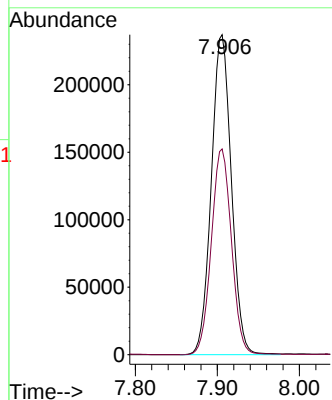
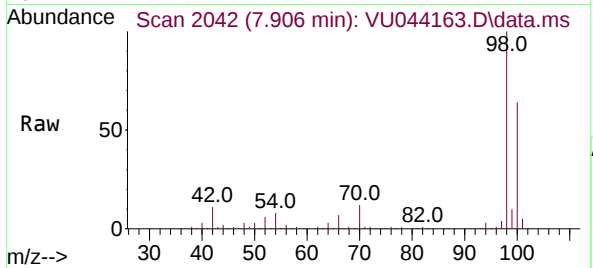




#50
Toluene-d8
Concen: 50.824 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

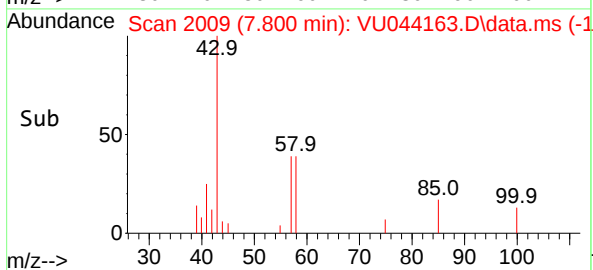
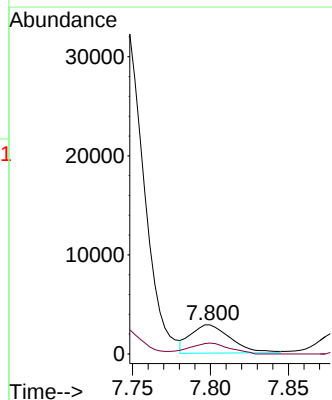
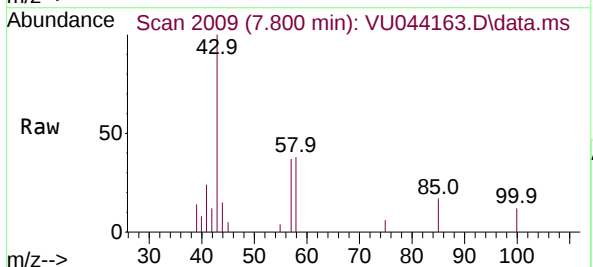
Instrument :
MSVOA_U
ClientSampled :

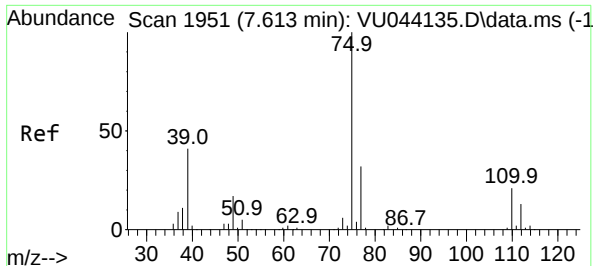
Tgt Ion: 98 Resp: 401966
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.257 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 43 Resp: 5093
Ion Ratio Lower Upper
43 100
58 38.3 34.5 51.7

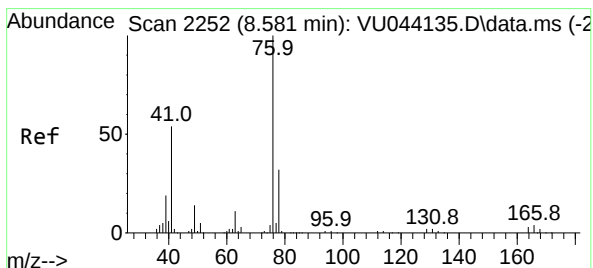
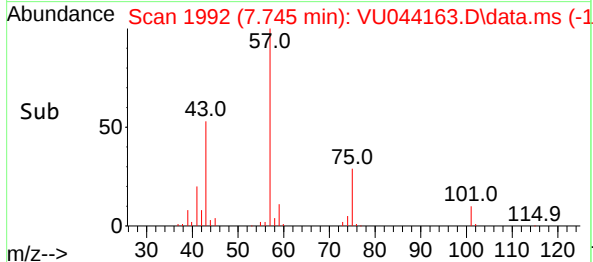
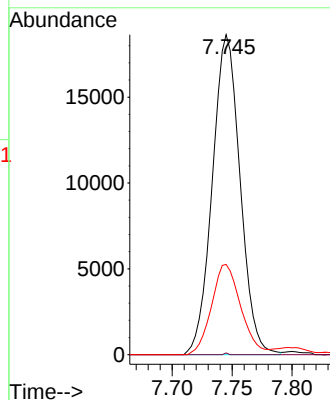
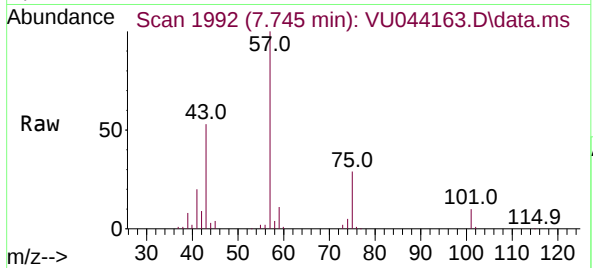




#54
 cis-1,3-Dichloropropene
 Concen: 7.556 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044163.D
 Acq: 10 Jun 2021 18:08

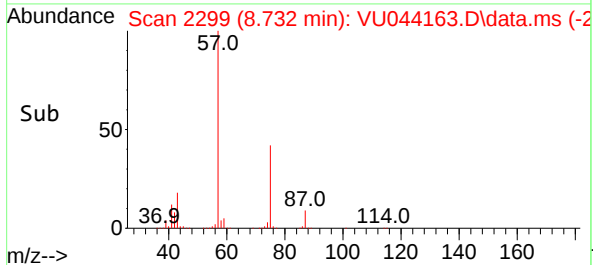
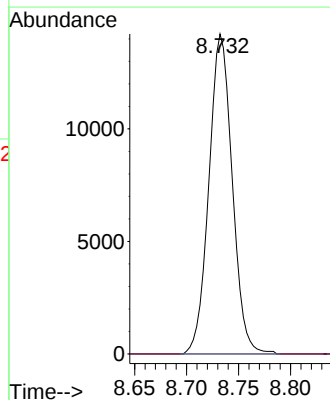
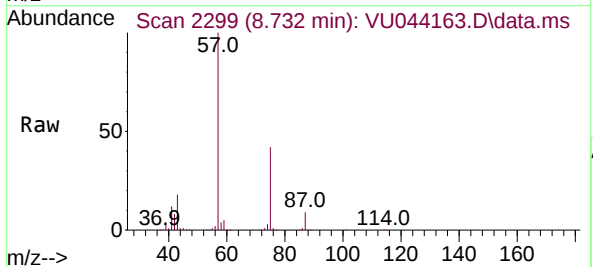
Instrument :
 MSVOA_U
 ClientSampled :

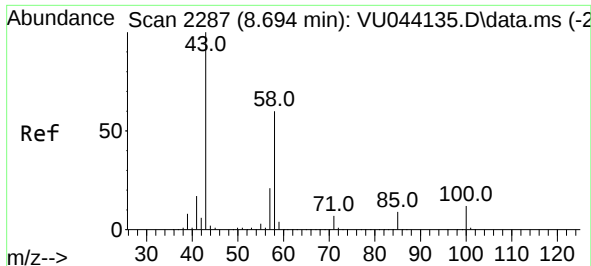
Tgt Ion: 75 Resp: 29992
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.9 38.9#
 39 28.2 33.2 49.8#



#57
 1,3-Dichloropropane
 Concen: 5.153 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.151 min
 Lab File: VU044163.D
 Acq: 10 Jun 2021 18:08

Tgt Ion: 76 Resp: 22214
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

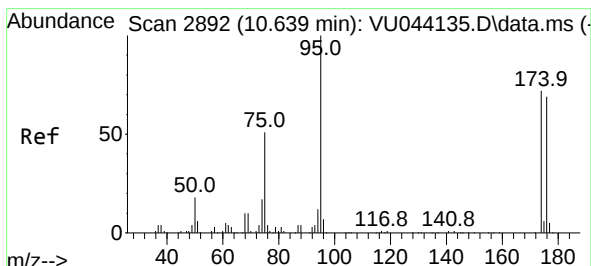
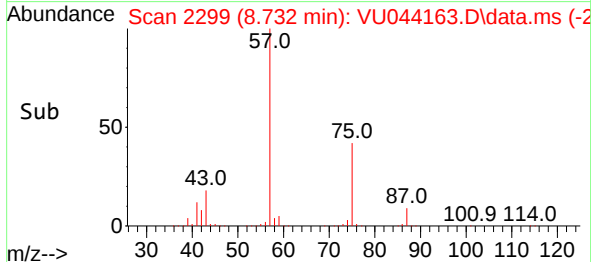
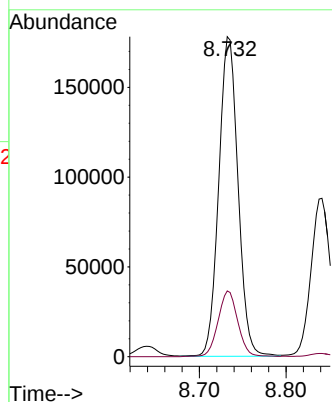
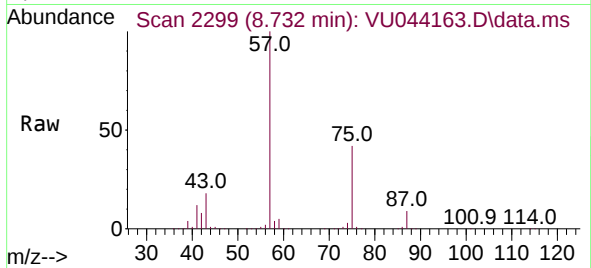




#59
2-Hexanone
Concen: 85.013 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

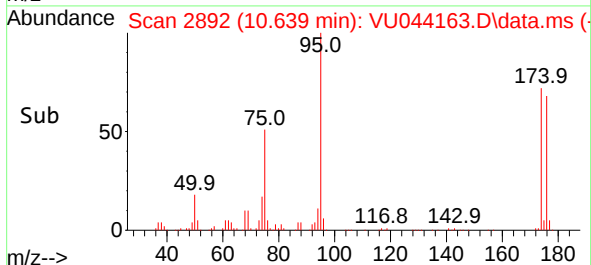
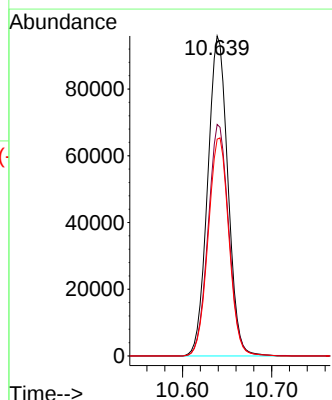
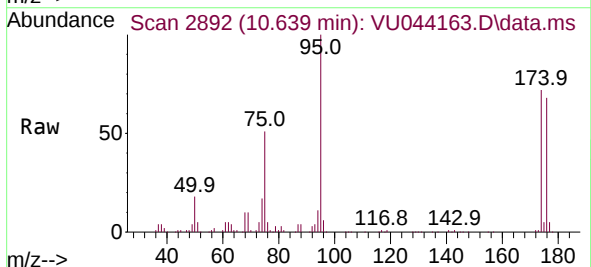
Instrument :
MSVOA_U
ClientSampled :

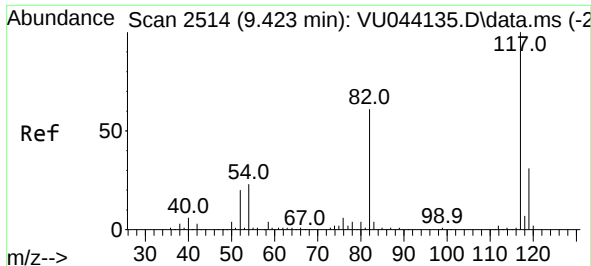
Tgt Ion: 43 Resp: 274793
Ion Ratio Lower Upper
43 100
58 21.1 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 47.680 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion: 95 Resp: 151121
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.4
176 69.8 0.0 138.0

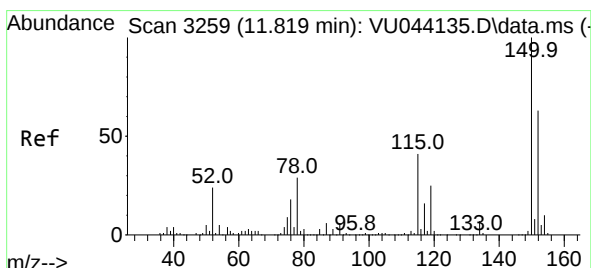
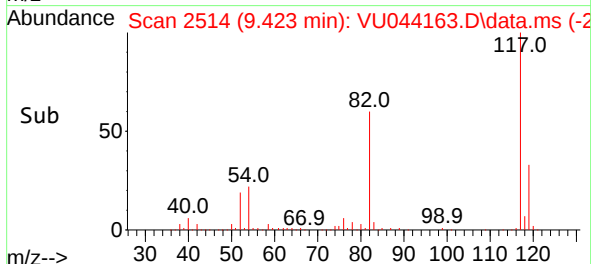
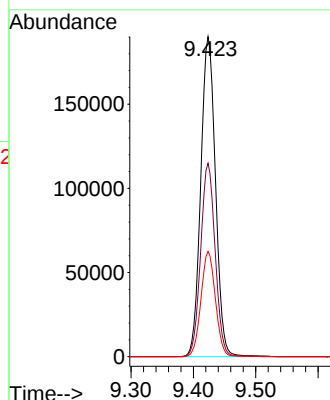
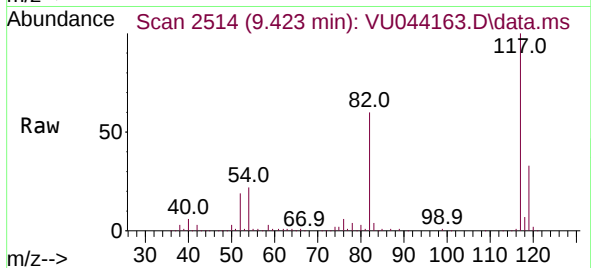




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

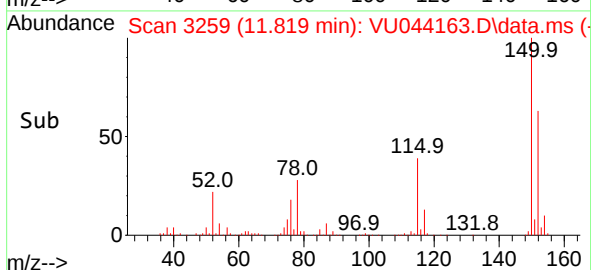
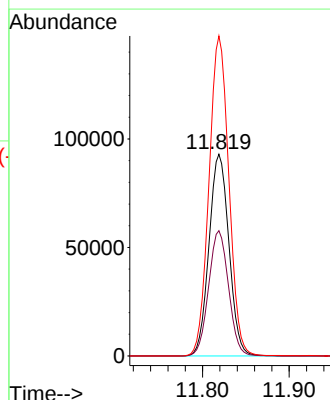
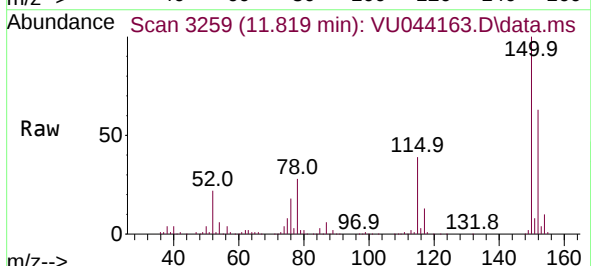
Instrument :
MSVOA_U
ClientSampleId :

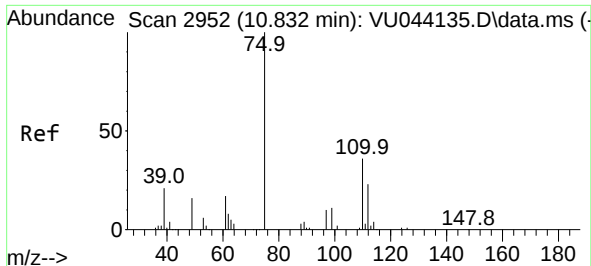
Tgt Ion:117 Resp: 312696
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 32.9 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion:152 Resp: 148734
Ion Ratio Lower Upper
152 100
115 62.0 43.8 131.3
150 157.8 0.0 350.6

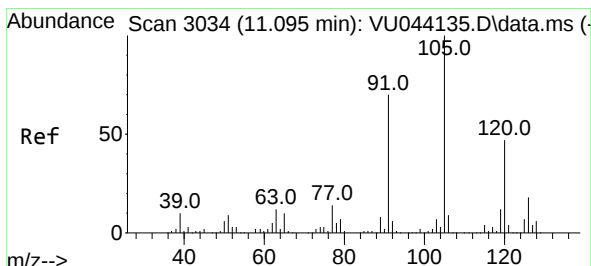
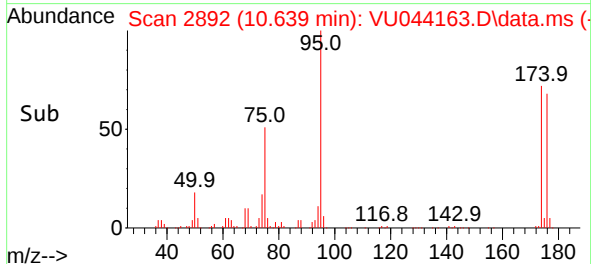
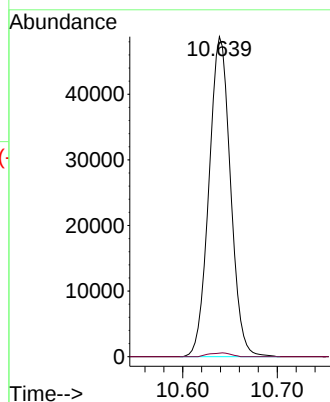
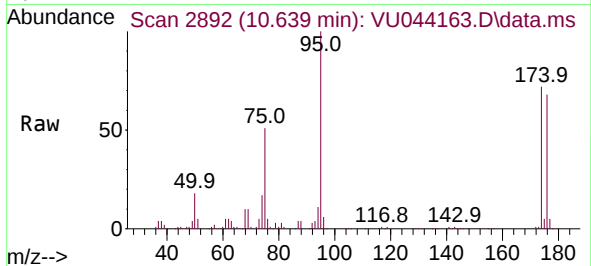




#76
1,2,3-Trichloropropane
Concen: 15.466 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

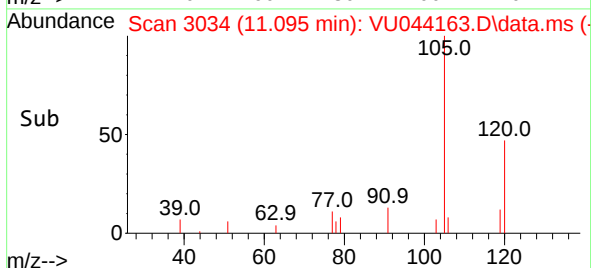
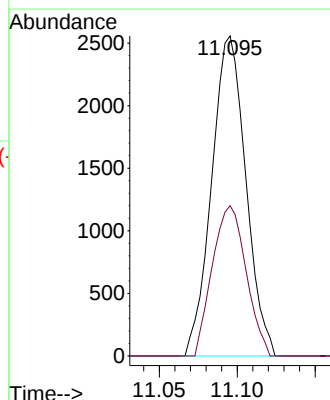
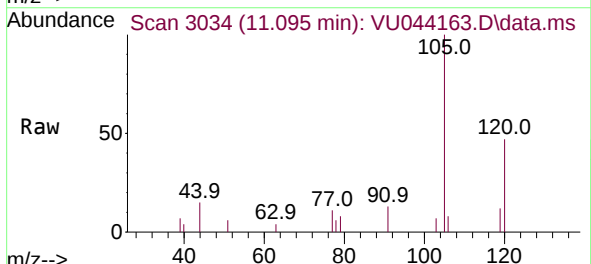
Instrument :
MSVOA_U
ClientSampled :

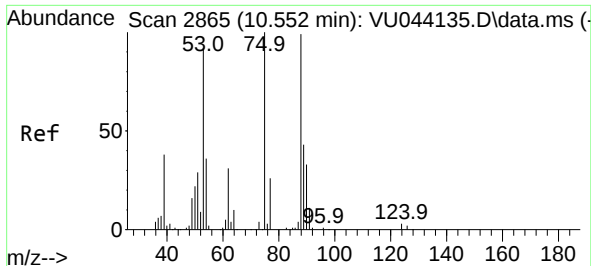
Tgt Ion: 75 Resp: 77124
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.440 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU044163.D
Acq: 10 Jun 2021 18:08

Tgt Ion:105 Resp: 3897
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5

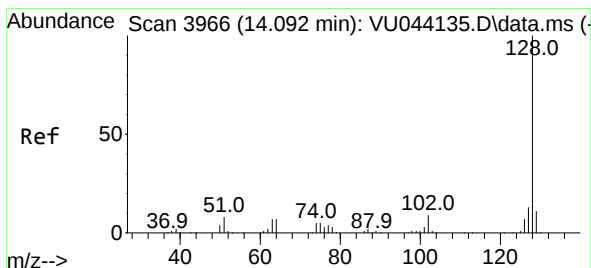
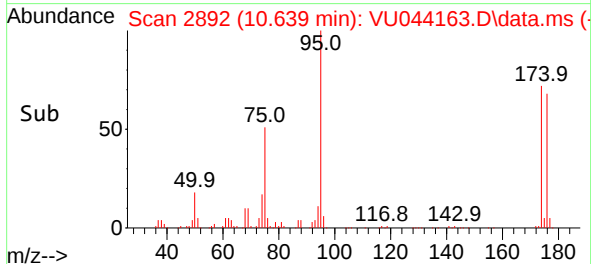
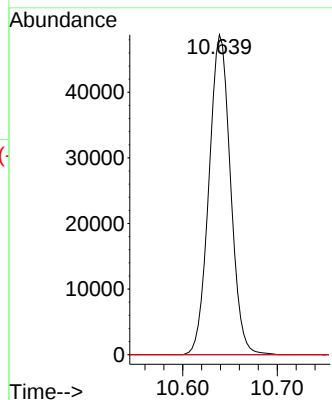
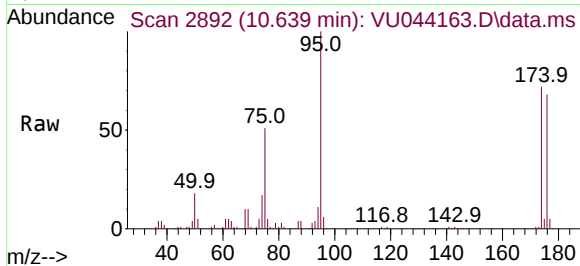




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.063 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044163.D
 Acq: 10 Jun 2021 18:08

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion: 75 Resp: 77124
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.2#
 89 0.0 35.0 52.6#



#95
 Naphthalene
 Concen: 2.851 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.006 min
 Lab File: VU044163.D
 Acq: 10 Jun 2021 18:08

Tgt Ion:128 Resp: 167
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 13.0#

