

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040621\
 Data File : VU042955.D
 Acq On : 06 Apr 2021 15:26
 Operator : SY/MD
 Sample : M1894-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 07 01:43:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

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

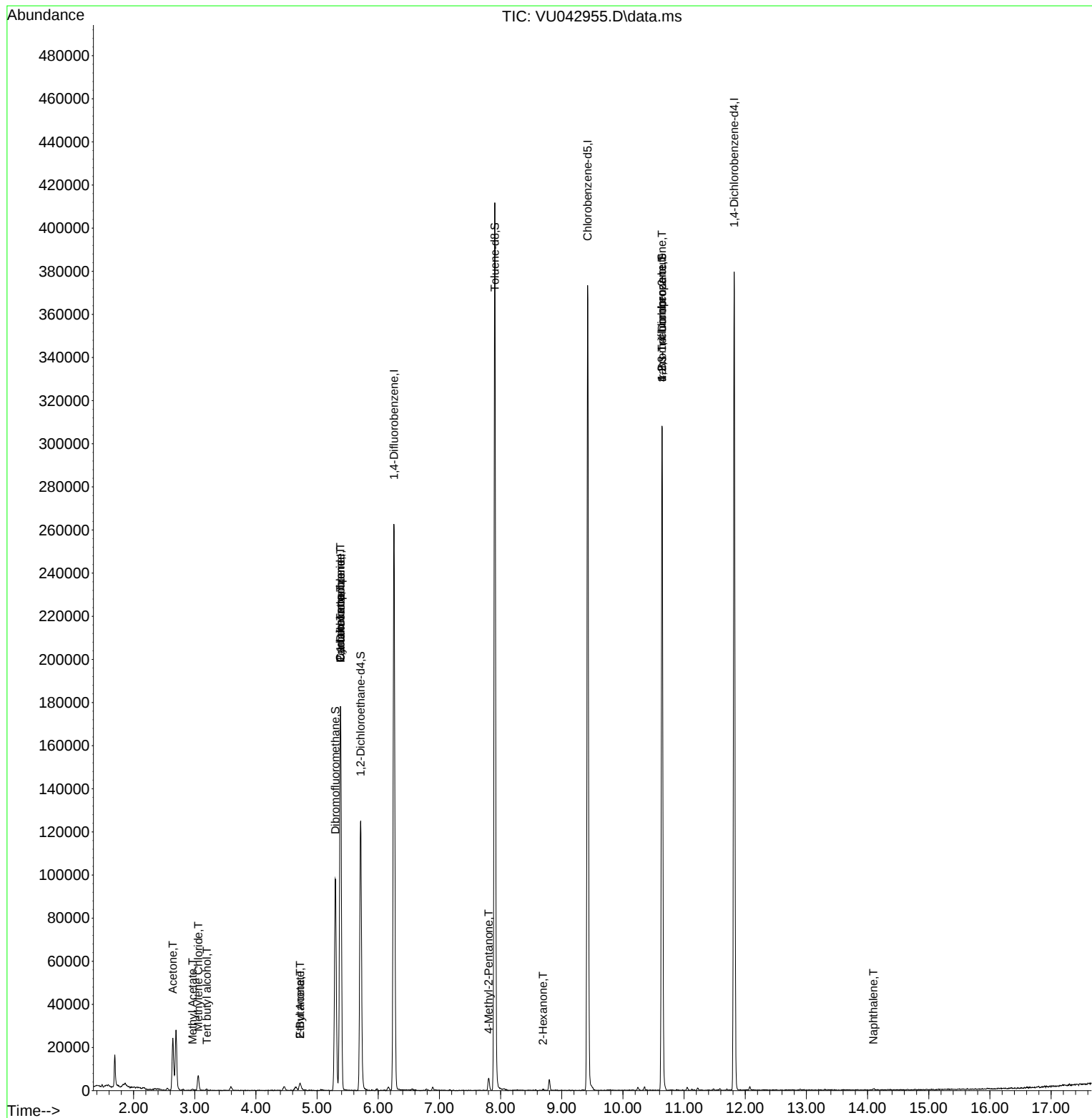
Internal Standards						
1) Pentafluorobenzene	5.385	168	124756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	200377	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	191474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	93797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	99767	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
35) Dibromofluoromethane	5.298	113	60449	40.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.84%	
50) Toluene-d8	7.906	98	251066	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	10.639	95	92133	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
Target Compounds					Qvalue	
5) Bromomethane	1.864	94	202	Below Cal	#	54
6) Chloroethane	1.951	64	81	Below Cal	#	43
11) Tert butyl alcohol	3.198	59	330	0.78	ug/l #	74
13) Acrolein	2.694	56	90	Below Cal	#	15
16) Acetone	2.642	43	31170	18.35	ug/l	98
18) Methyl Acetate	2.967	43	921	0.40	ug/l #	76
20) Methylene Chloride	3.057	84	3112	2.17	ug/l	95
25) 2-Butanone	4.722	43	6074	3.75	ug/l	94
31) Cyclohexane	5.382	56	3026	1.22	ug/l #	22
36) 1,1-Dichloropropene	5.382	75	10149	5.12	ug/l #	46
37) Ethyl Acetate	4.722	43	6074	1.97	ug/l #	72
38) Carbon Tetrachloride	5.382	117	12083	5.34	ug/l #	18
51) 4-Methyl-2-Pentanone	7.806	43	4284	1.32	ug/l	99
59) 2-Hexanone	8.693	43	538	0.21	ug/l	81
76) 1,2,3-Trichloropropane	10.639	75	53422	22.40	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	53422	66.35	ug/l #	6
95) Naphthalene	14.095	128	861	2.70	ug/l #	68

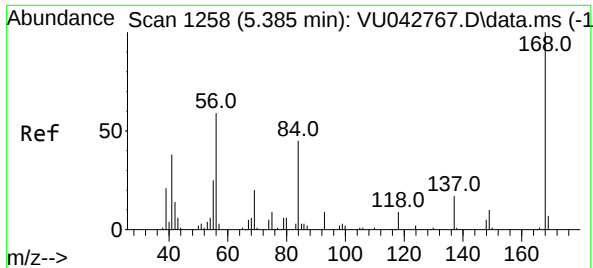
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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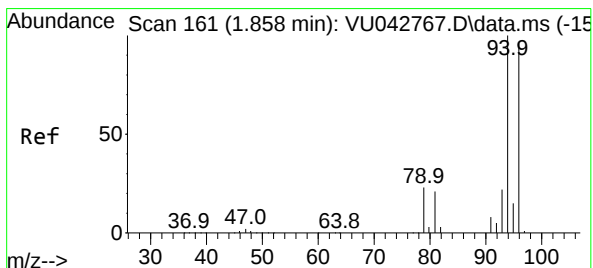
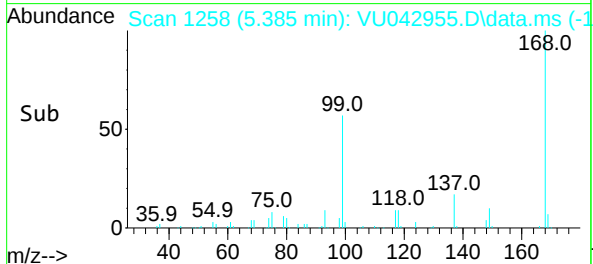
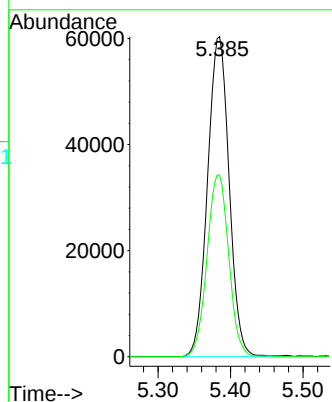
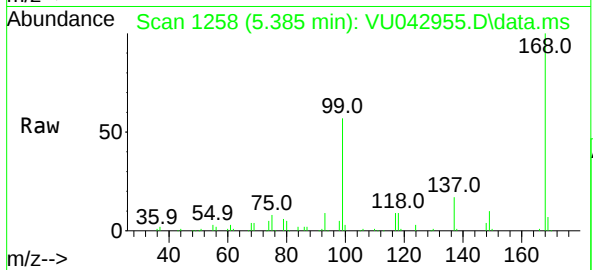




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

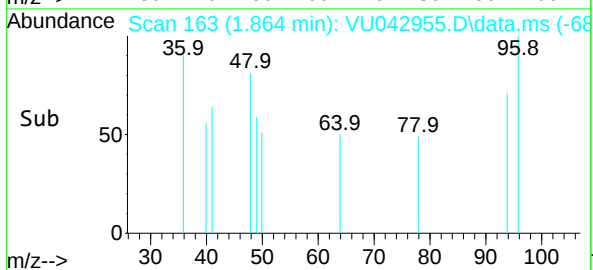
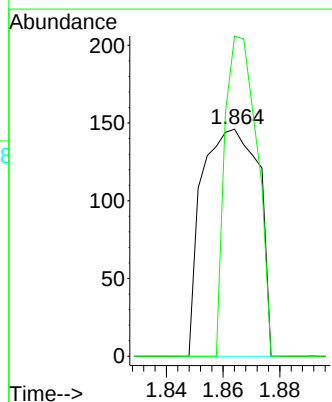
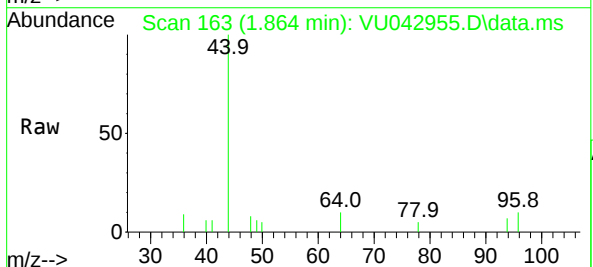
Instrument :
MSVOA_U
ClientSampleId :

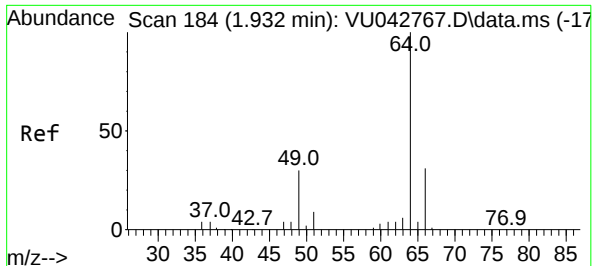
Tgt Ion:168 Resp: 124756
Ion Ratio Lower Upper
168 100
99 56.7 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. 0.006 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 141.1 77.1 115.7#

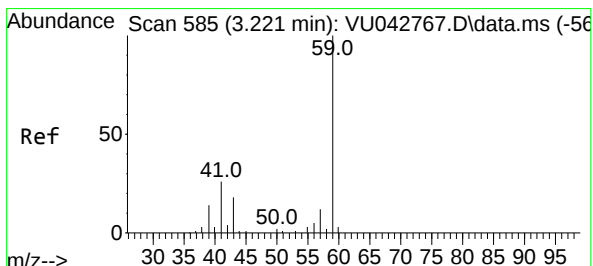
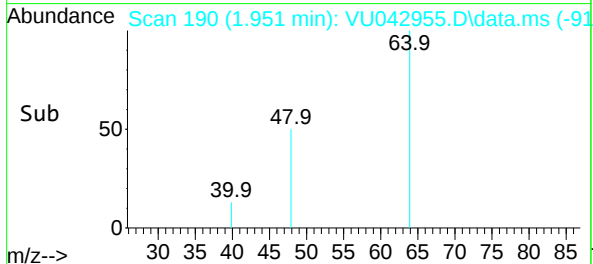
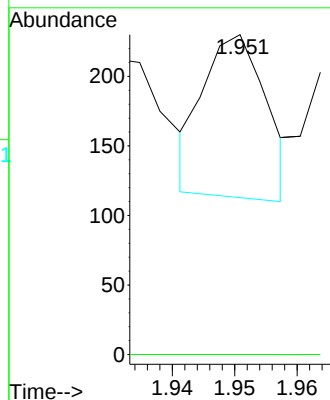
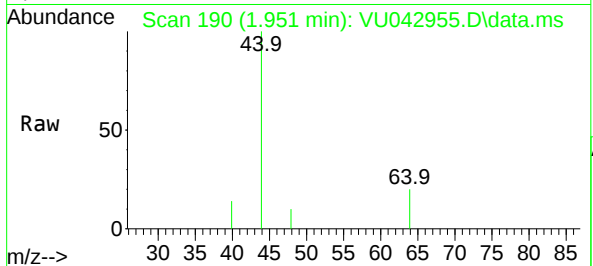




#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.019 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

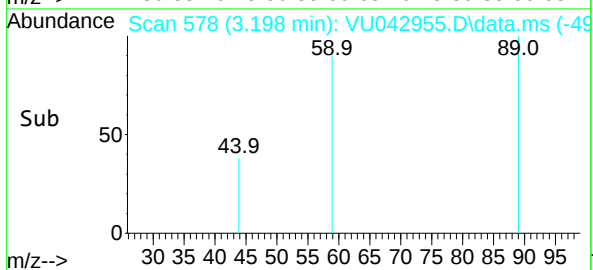
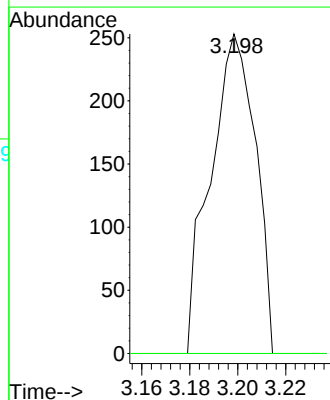
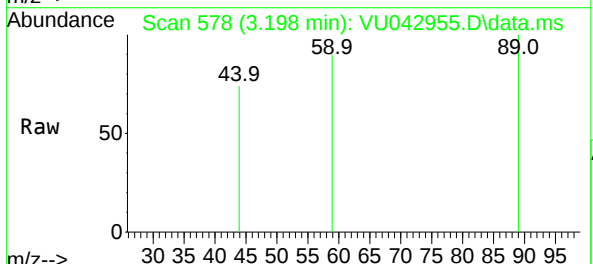
Instrument :
MSVOA_U
ClientSampled :

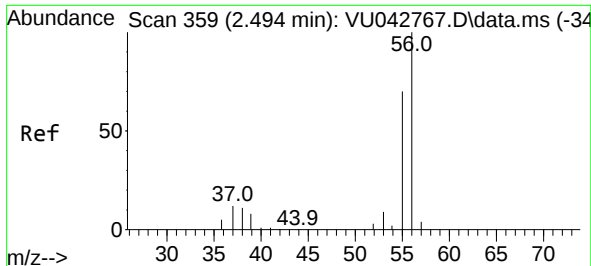
Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#11
Tert butyl alcohol
Concen: 0.78 ug/l
RT: 3.198 min Scan# 578
Delta R.T. -0.023 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 59 Resp: 330
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

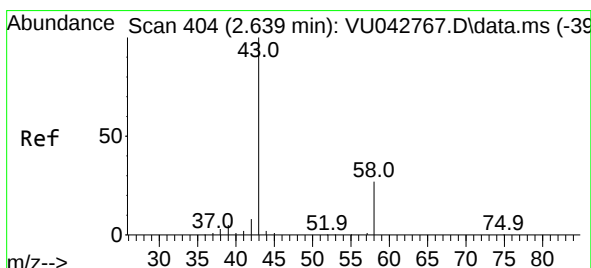
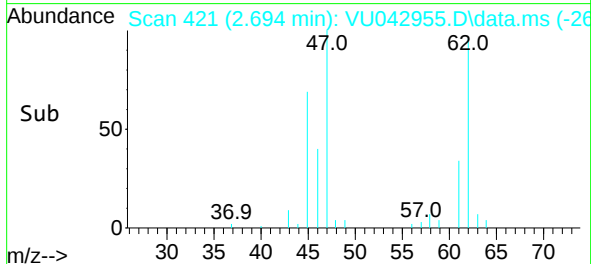
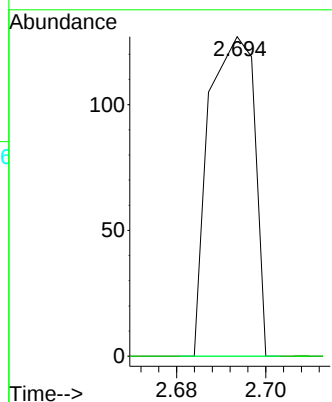
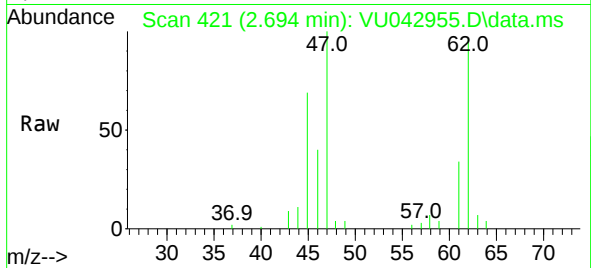




#13
Acrolein
Concen: Below Cal
RT: 2.694 min Scan# 421
Delta R.T. 0.200 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

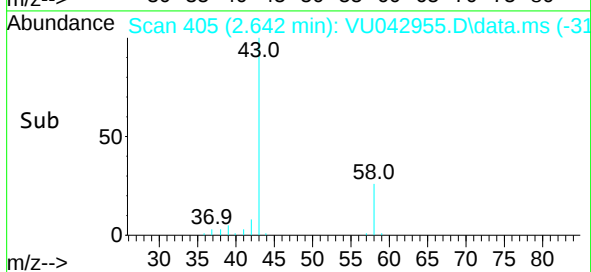
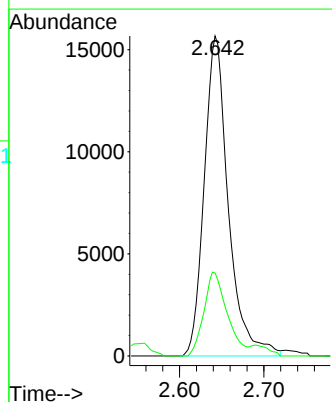
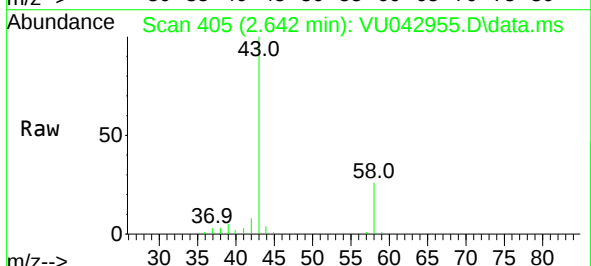
Instrument :
MSVOA_U
ClientSampled :

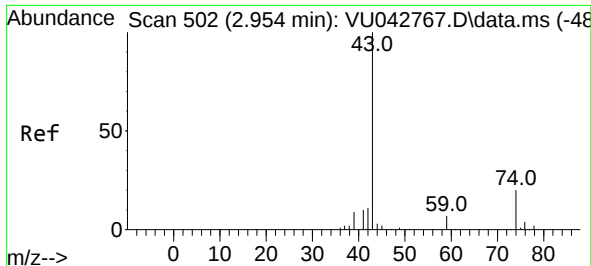
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 18.35 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.003 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 43 Resp: 31170
Ion Ratio Lower Upper
43 100
58 25.9 21.6 32.4

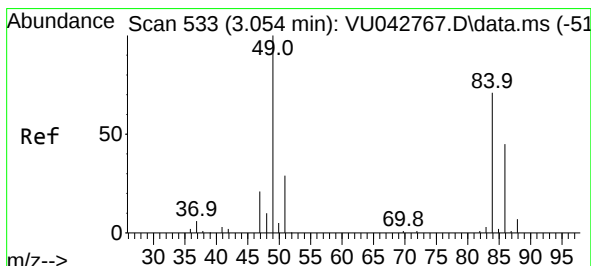
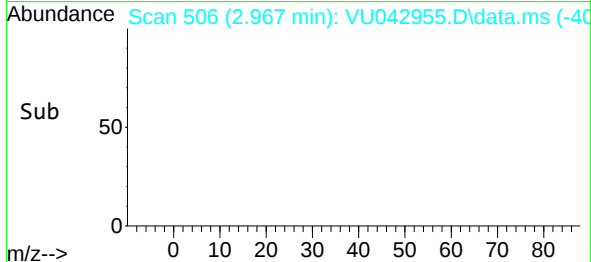
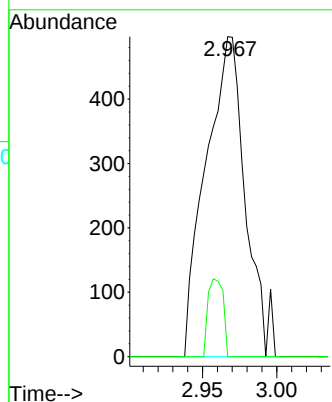
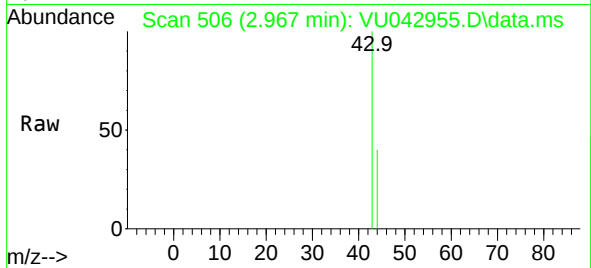




#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.013 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

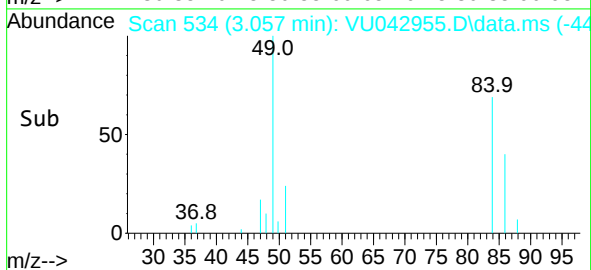
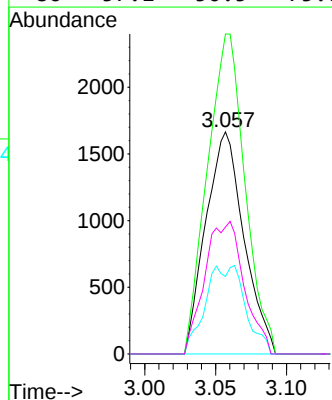
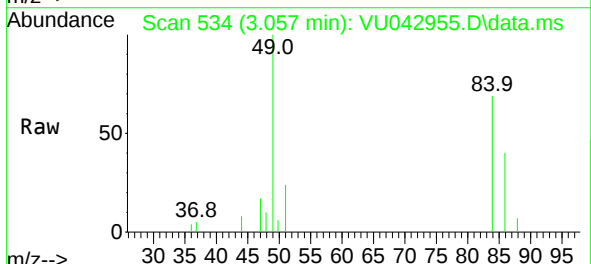
Instrument :
MSVOA_U
ClientSampled :

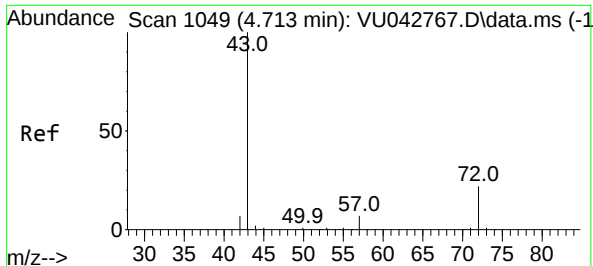
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
74 9.2 16.2 24.4#



#20
Methylene Chloride
Concen: 2.17 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 84 Resp: 3112
Ion Ratio Lower Upper
84 100
49 144.1 113.0 169.4
51 34.9 32.9 49.3
86 57.1 50.5 75.7





#25

2-Butanone

Concen: 3.75 ug/l

RT: 4.722 min Scan# 1052

Delta R.T. 0.009 min

Lab File: VU042955.D

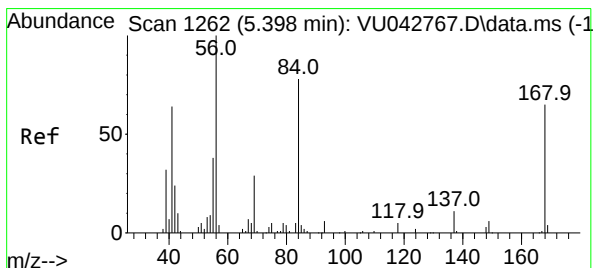
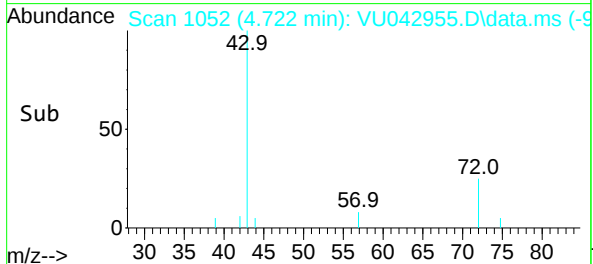
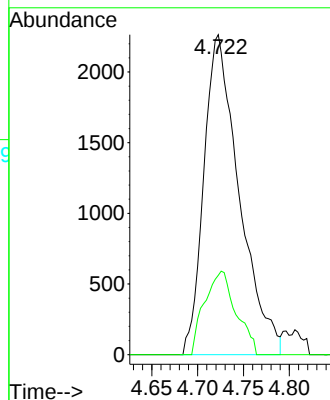
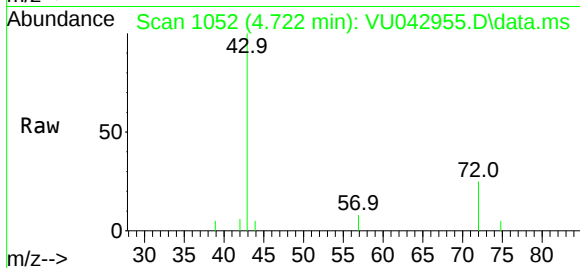
Acq: 06 Apr 2021 15:26

Tgt Ion: 43 Resp: 6074

Ion Ratio Lower Upper

43 100

72 24.8 17.7 26.5



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.016 min

Lab File: VU042955.D

Acq: 06 Apr 2021 15:26

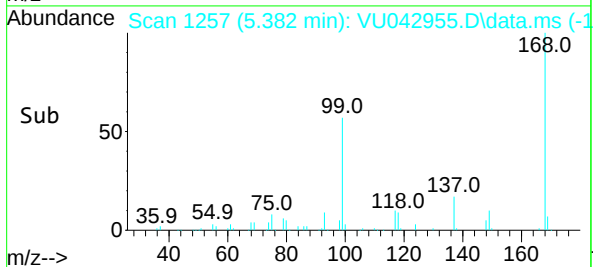
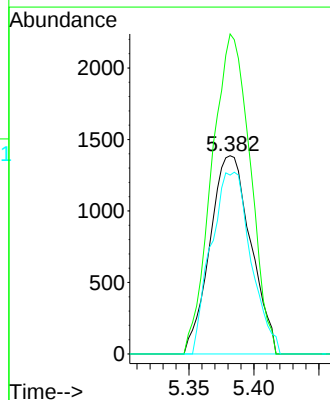
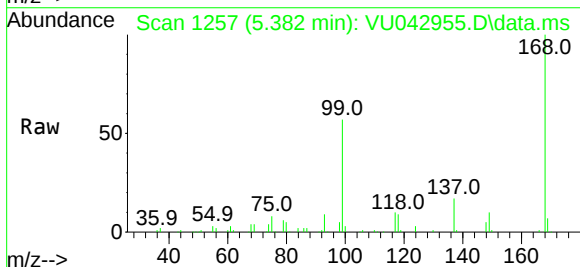
Tgt Ion: 56 Resp: 3026

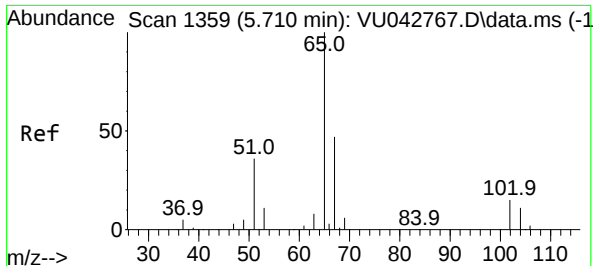
Ion Ratio Lower Upper

56 100

69 161.4 23.3 34.9#

84 90.2 62.2 93.4





#33

1,2-Dichloroethane-d4

Concen: 50.16 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU042955.D

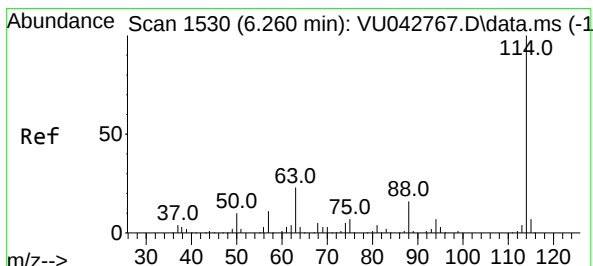
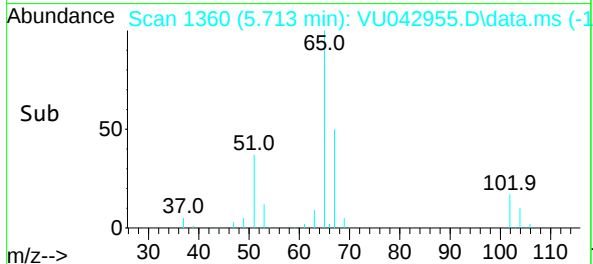
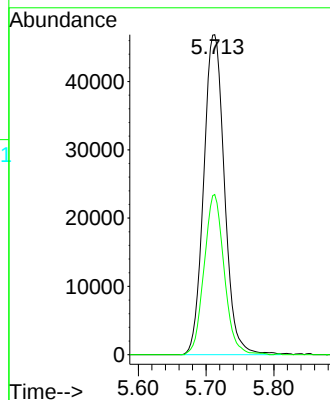
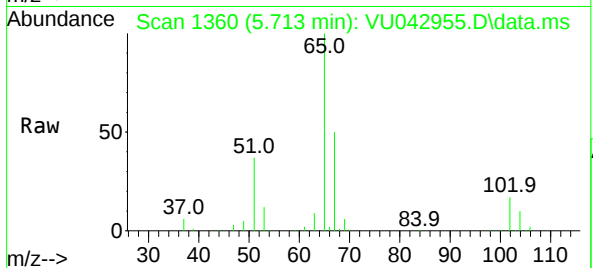
Acq: 06 Apr 2021 15:26

Tgt Ion: 65 Resp: 99767

Ion Ratio Lower Upper

65 100

67 48.4 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.004 min

Lab File: VU042955.D

Acq: 06 Apr 2021 15:26

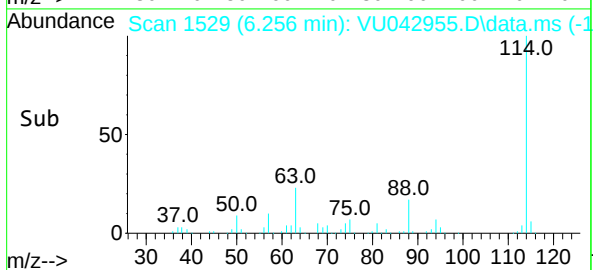
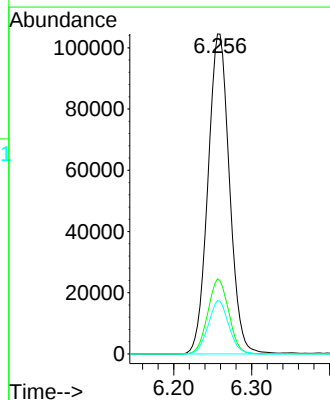
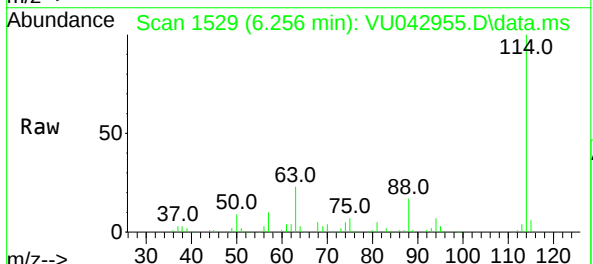
Tgt Ion: 114 Resp: 200377

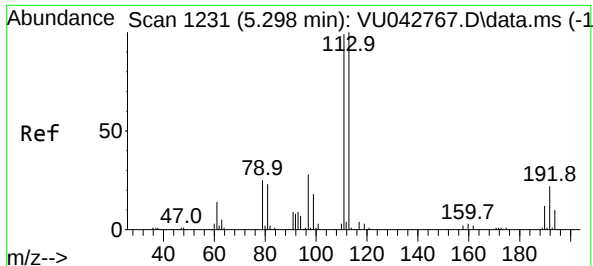
Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.8

88 16.8 0.0 32.2

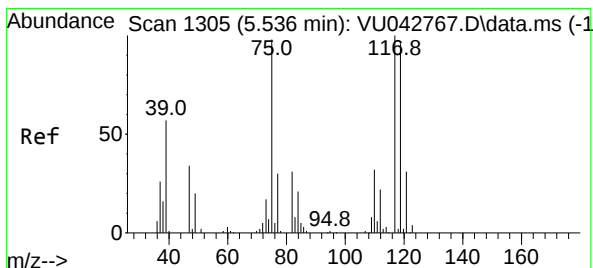
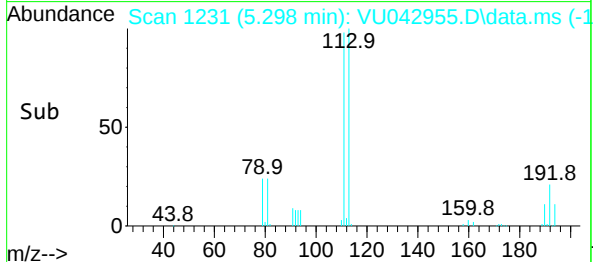
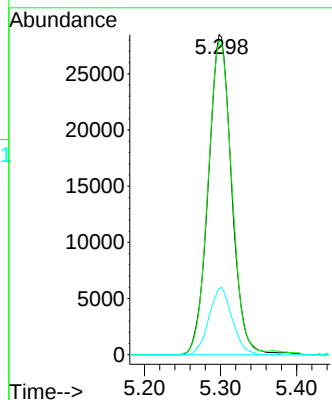
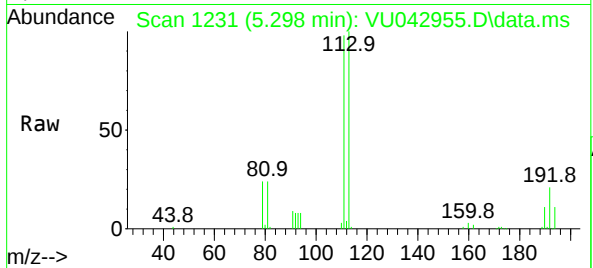




#35
Dibromofluoromethane
Concen: 40.42 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

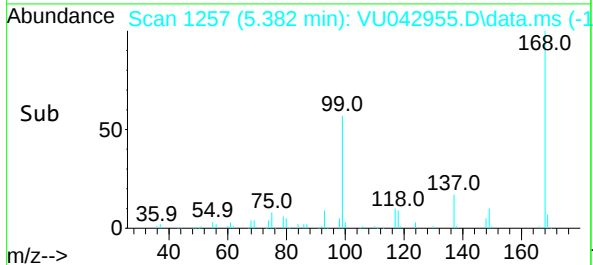
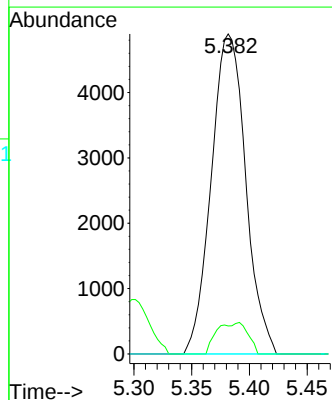
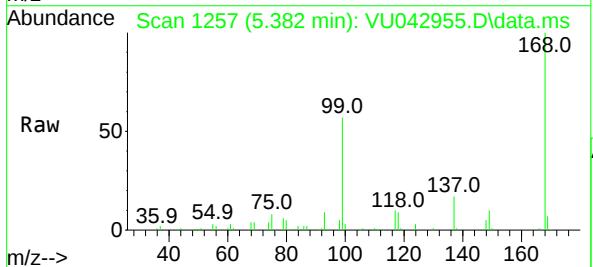
Instrument :
MSVOA_U
ClientSampleId :

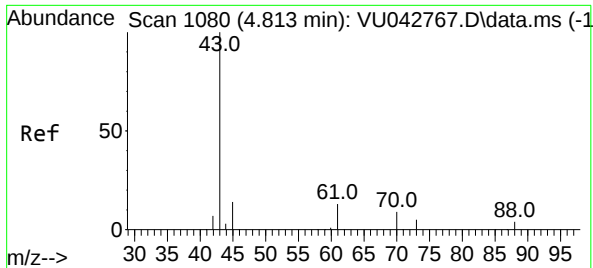
Tgt Ion:113 Resp: 60449
Ion Ratio Lower Upper
113 100
111 99.8 82.1 123.1
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 75 Resp: 10149
Ion Ratio Lower Upper
75 100
110 4.0 16.6 49.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.97 ug/l

RT: 4.722 min Scan# 1052

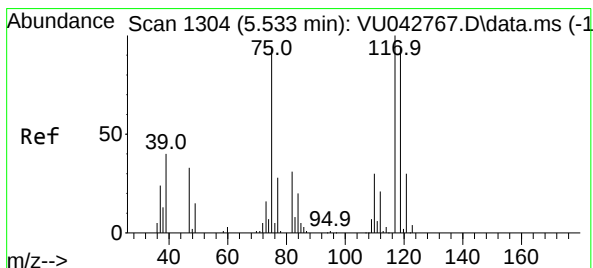
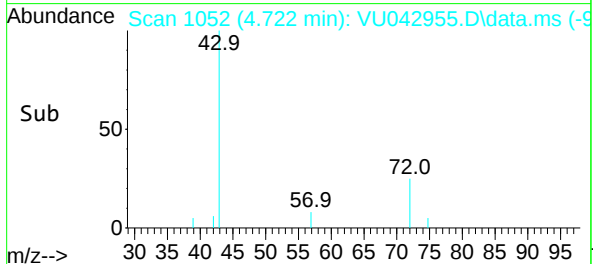
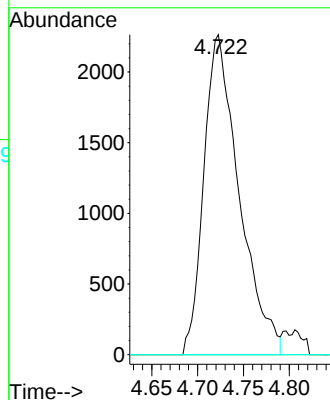
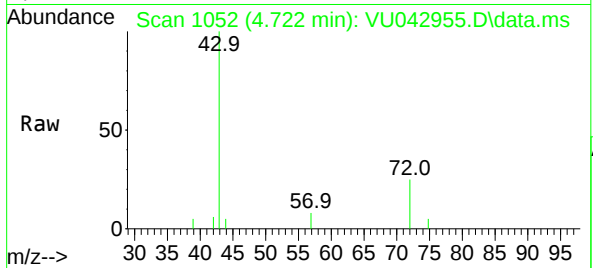
Delta R.T. -0.090 min

Lab File: VU042955.D

Acq: 06 Apr 2021 15:26

Tgt Ion: 43	Resp: 6074
Ion Ratio	Lower Upper
43 100	
61 0.0	9.7 14.5#
70 0.0	6.6 9.8#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.34 ug/l

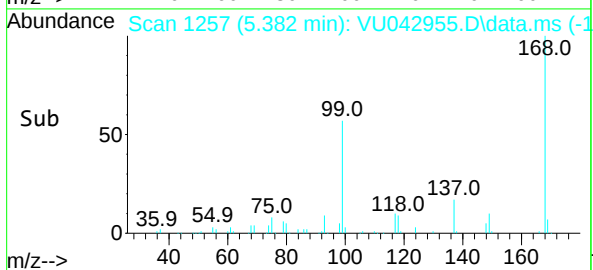
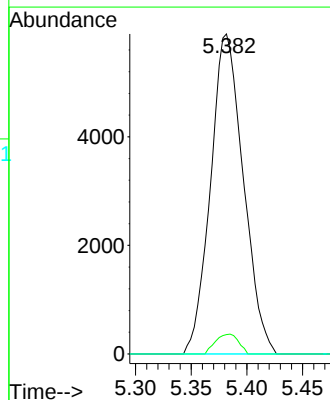
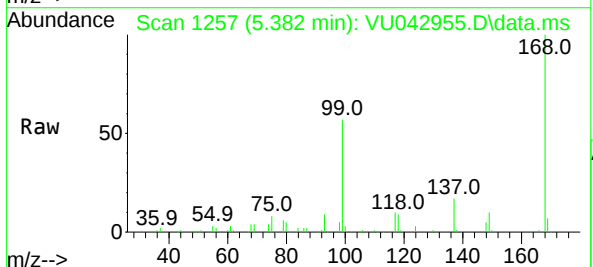
RT: 5.382 min Scan# 1257

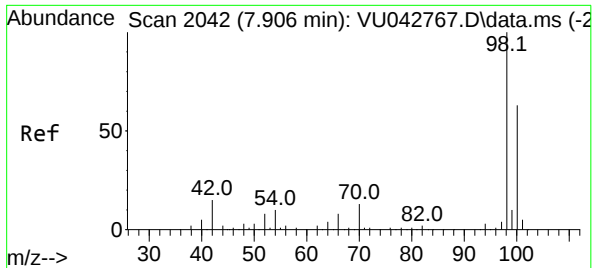
Delta R.T. -0.151 min

Lab File: VU042955.D

Acq: 06 Apr 2021 15:26

Tgt Ion: 117	Resp: 12083
Ion Ratio	Lower Upper
117 100	
119 6.0	75.2 112.8#
121 0.0	24.2 36.4#

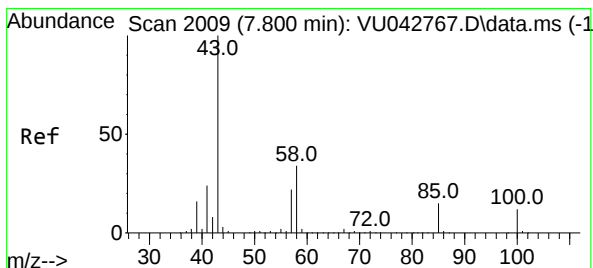
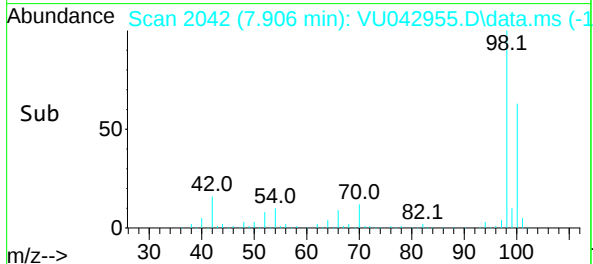
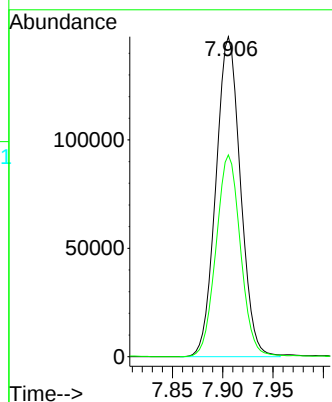
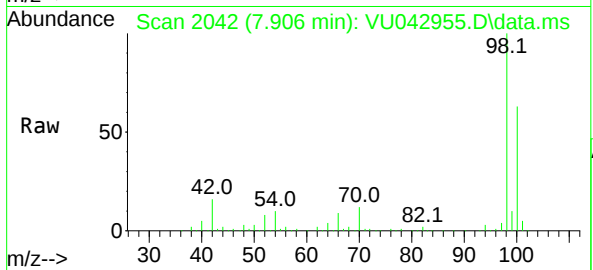




#50
Toluene-d8
Concen: 47.72 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

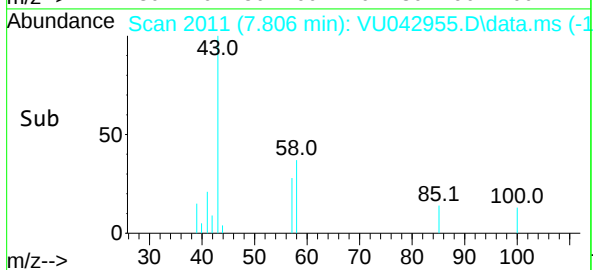
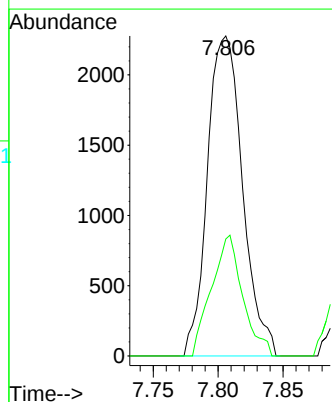
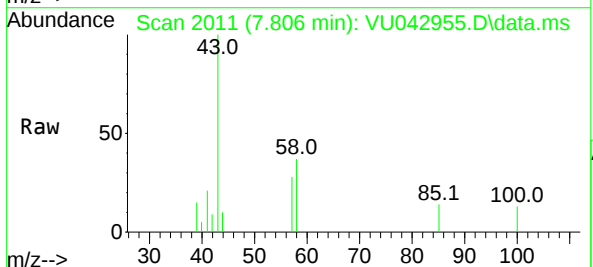
Instrument :
MSVOA_U
ClientSampled :

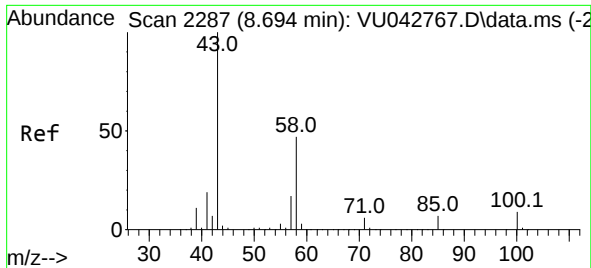
Tgt Ion: 98 Resp: 251066
Ion Ratio Lower Upper
98 100
100 62.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.32 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
58 33.6 27.4 41.2

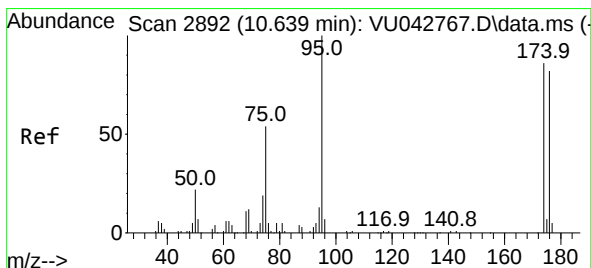
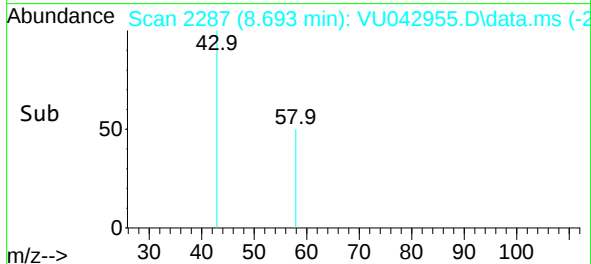
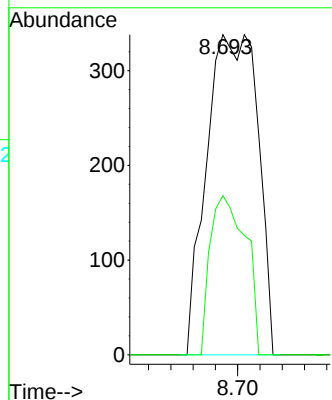
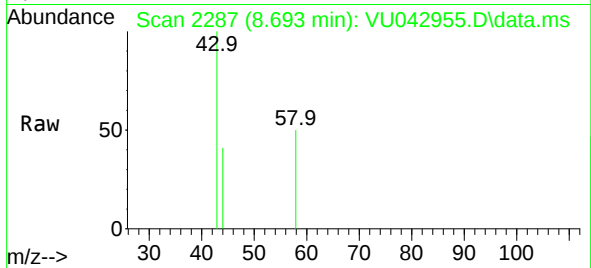




#59
2-Hexanone
Concen: 0.21 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

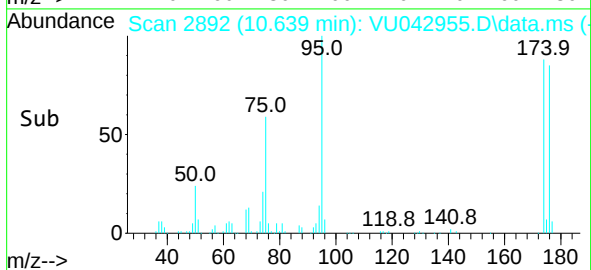
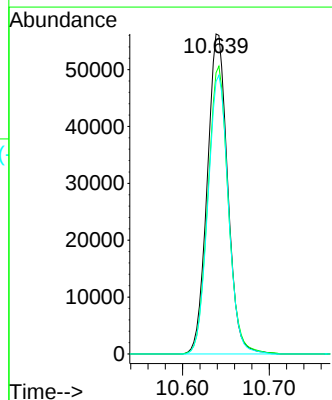
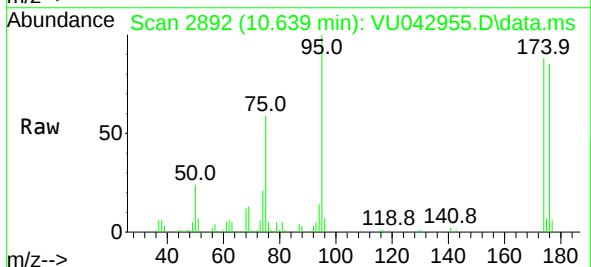
Instrument :
MSVOA_U
ClientSampled :

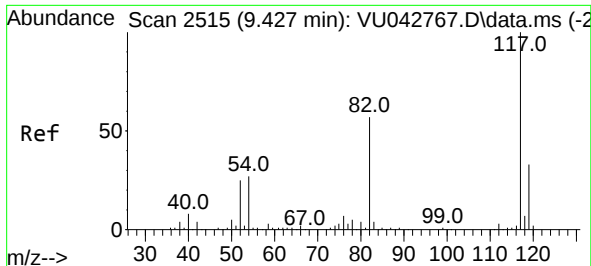
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 34.6 23.8 71.2



#62
4-Bromofluorobenzene
Concen: 45.06 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion: 95 Resp: 92133
Ion Ratio Lower Upper
95 100
174 89.8 0.0 175.2
176 87.2 0.0 167.4

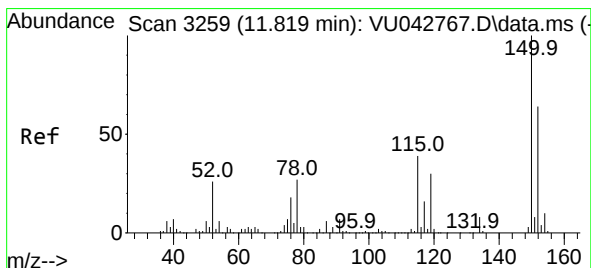
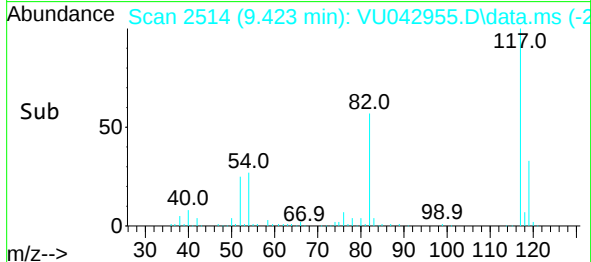
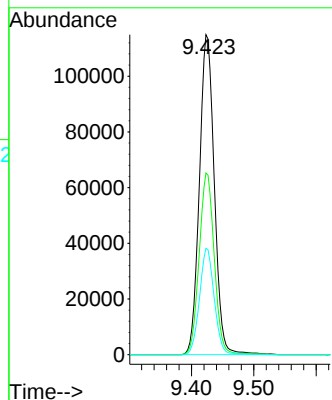
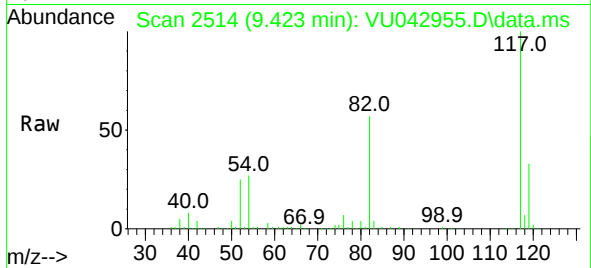




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

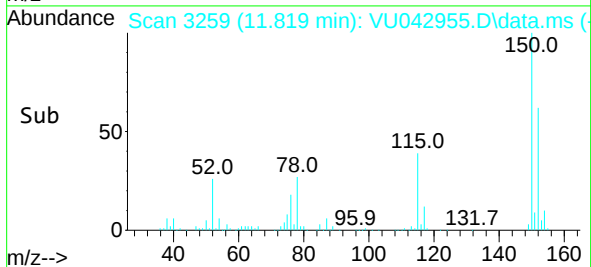
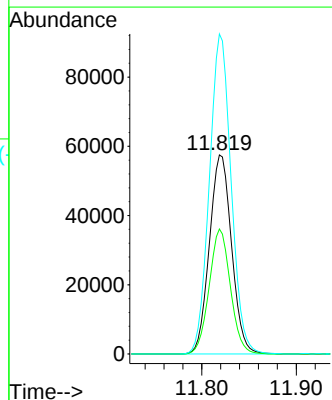
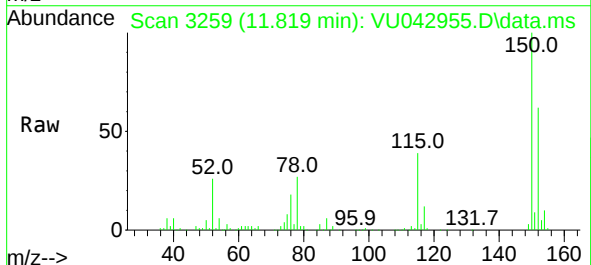
Instrument :
MSVOA_U
ClientSampleId :

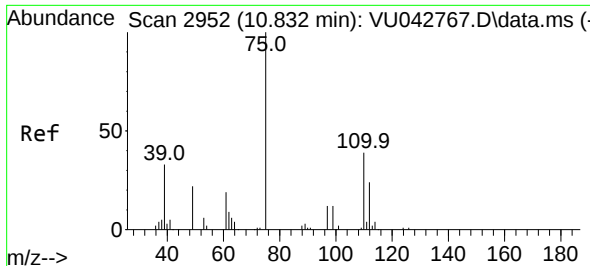
Tgt Ion:117 Resp: 191474
Ion Ratio Lower Upper
117 100
82 56.8 45.5 68.3
119 33.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Tgt Ion:152 Resp: 93797
Ion Ratio Lower Upper
152 100
115 59.9 41.0 123.0
150 157.3 0.0 341.0

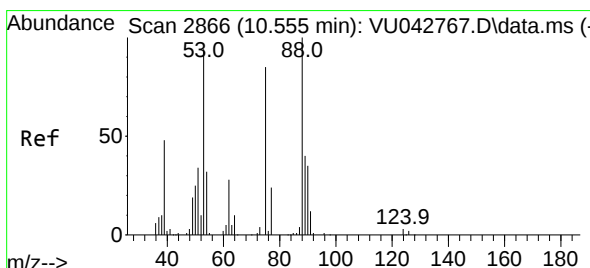
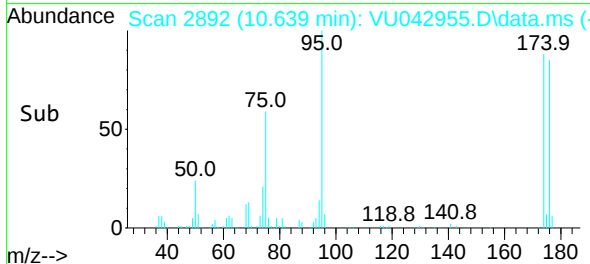
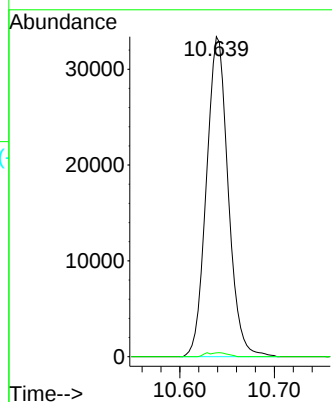
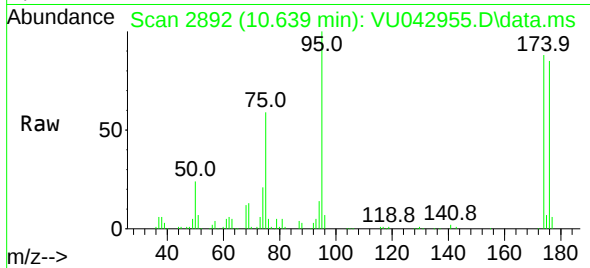




#76
1,2,3-Trichloropropane
Concen: 22.40 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

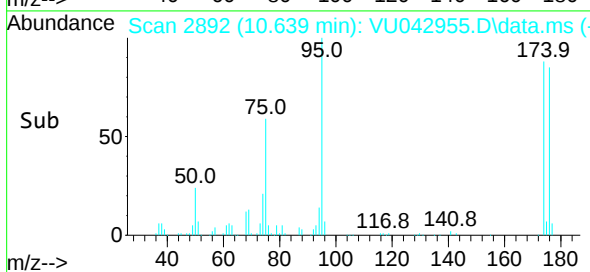
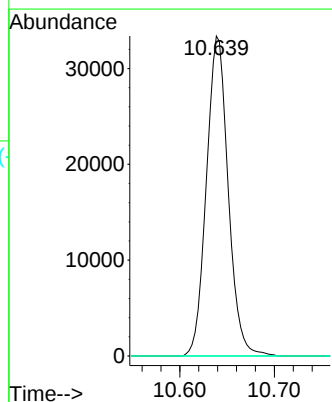
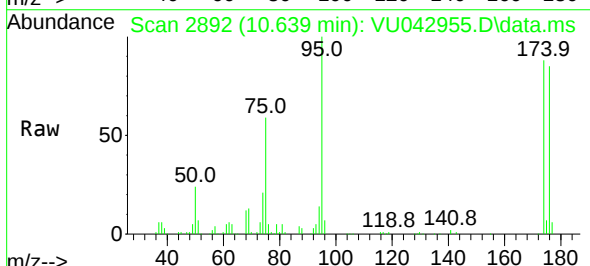
Instrument :
MSVOA_U
ClientSampled :

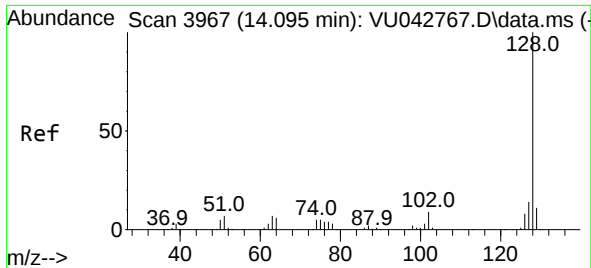
Tgt Ion: 75 Resp: 53422
Ion Ratio Lower Upper
75 100
77 0.7 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.35 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

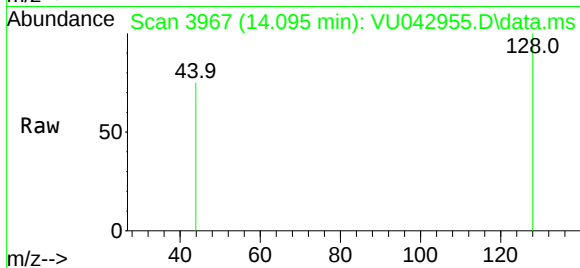
Tgt Ion: 75 Resp: 53422
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 2.70 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042955.D
Acq: 06 Apr 2021 15:26

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 861
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.7 13.1#

