

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043359.D
 Acq On : 27 Apr 2021 21:47
 Operator : SY/MD
 Sample : M2133-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 28 09:12:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

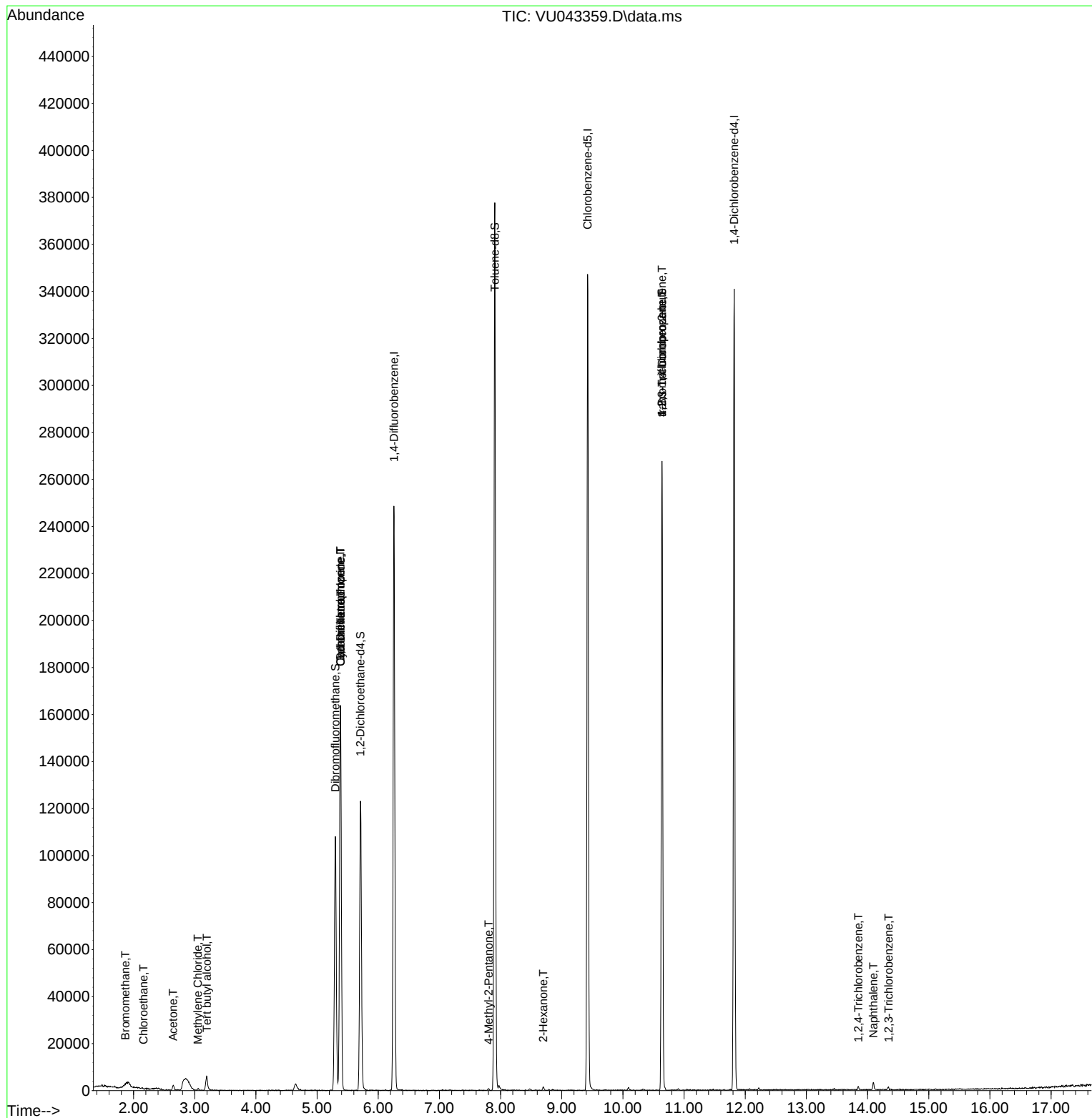
Internal Standards						
1) Pentafluorobenzene	5.382	168	108993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	181035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	172799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	82176	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	96099	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
35) Dibromofluoromethane	5.298	113	66840	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	7.906	98	228552	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	10.639	95	80874	41.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.92%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	627	Below Cal	#	82
5) Bromomethane	1.864	94	176	0.26 ug/l	#	75
6) Chloroethane	2.160	64	204	0.20 ug/l	#	42
11) Tert butyl alcohol	3.199	59	4231	8.96 ug/l	#	94
16) Acetone	2.646	43	2257	1.79 ug/l		92
20) Methylene Chloride	3.051	84	317	0.24 ug/l	#	75
31) Cyclohexane	5.385	56	2817	1.25 ug/l	#	25
36) 1,1-Dichloropropene	5.382	75	9379	4.88 ug/l	#	50
38) Carbon Tetrachloride	5.385	117	10988	5.34 ug/l	#	17
51) 4-Methyl-2-Pentanone	7.806	43	797	0.23 ug/l	#	61
59) 2-Hexanone	8.697	43	1105	0.39 ug/l		76
76) 1,2,3-Trichloropropane	10.639	75	45729	19.04 ug/l	#	36
81) trans-1,4-Dichloro-2-b...	10.639	75	45729	55.96 ug/l	#	7
93) 1,2,4-Trichlorobenzene	13.848	180	506	1.77 ug/l		68
94) Hexachlorobutadiene	14.028	225	89	Below Cal	#	18
95) Naphthalene	14.095	128	3176	3.25 ug/l	#	92
96) 1,2,3-Trichlorobenzene	14.343	180	628	1.79 ug/l	#	89

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

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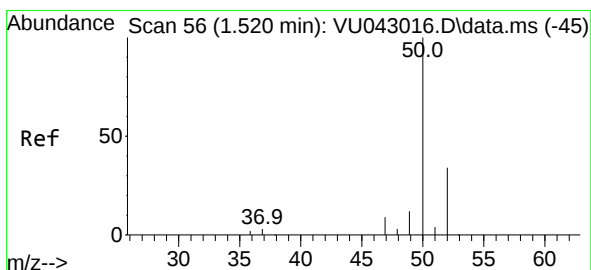
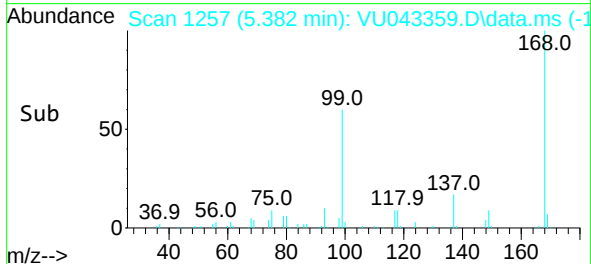
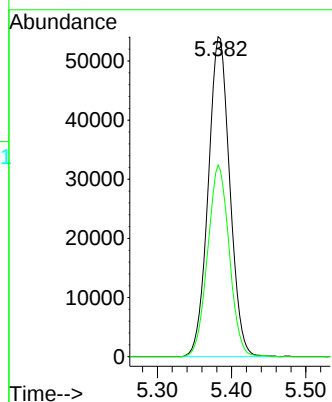
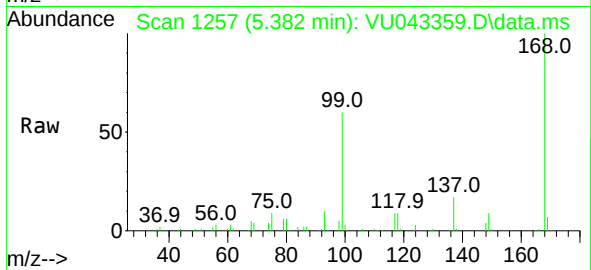




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

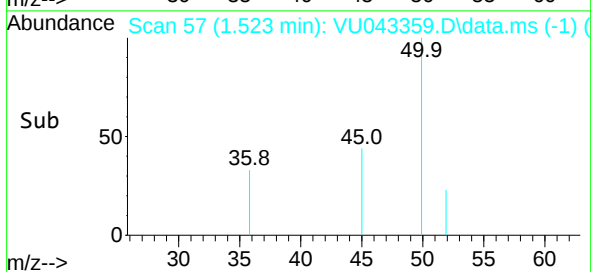
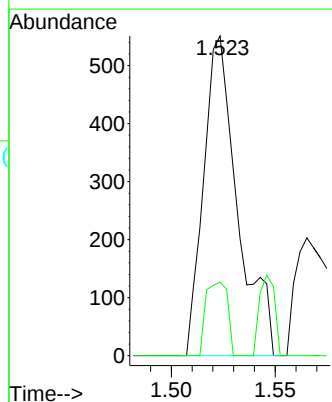
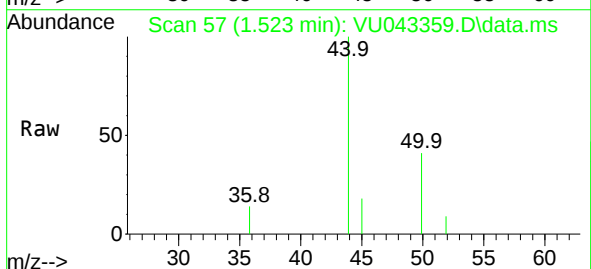
Instrument :
MSVOA_U
ClientSampleId :

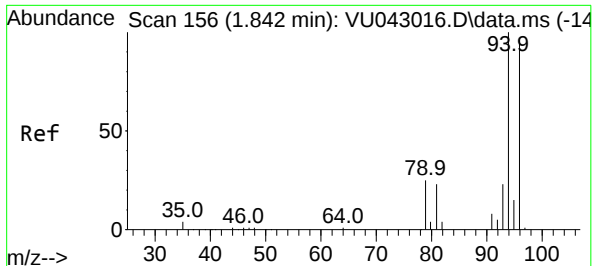
Tgt Ion:168 Resp: 108993
Ion Ratio Lower Upper
168 100
99 59.9 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

Tgt Ion: 50 Resp: 627
Ion Ratio Lower Upper
50 100
52 23.0 26.6 40.0#

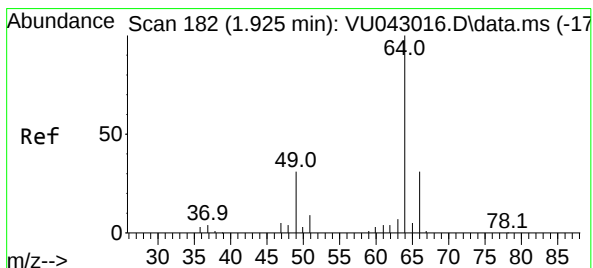
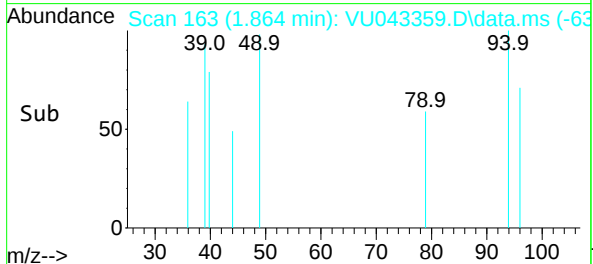
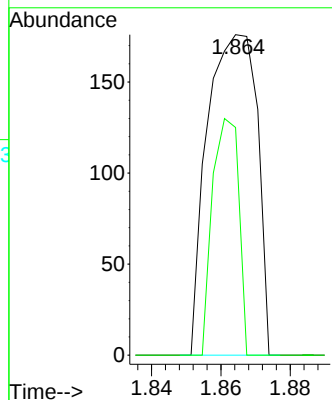
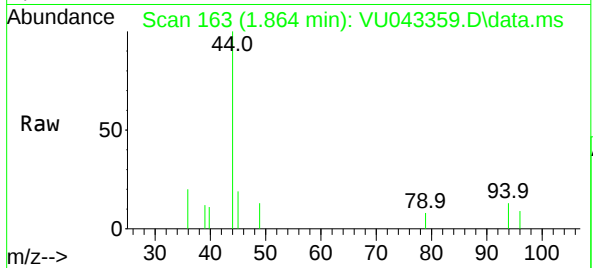




#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.864 min Scan# 163
Delta R.T. 0.022 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

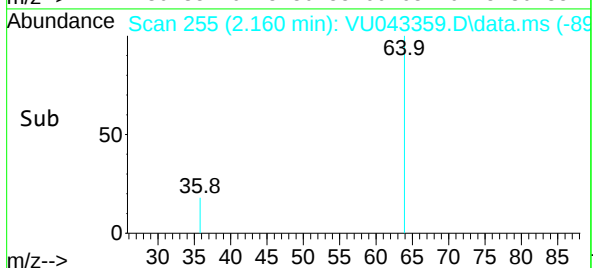
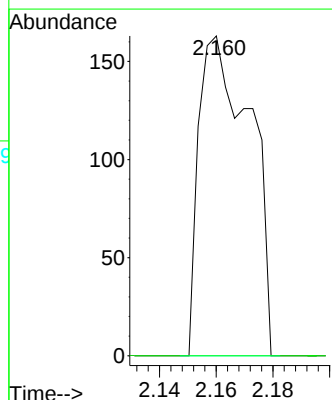
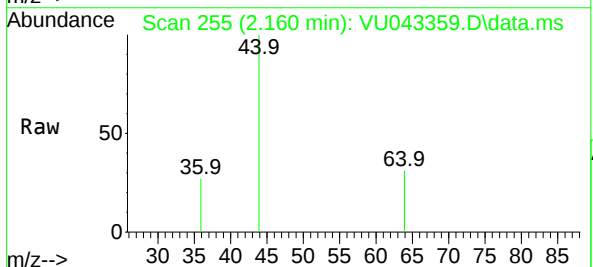
Instrument :
MSVOA_U
ClientSampleId :

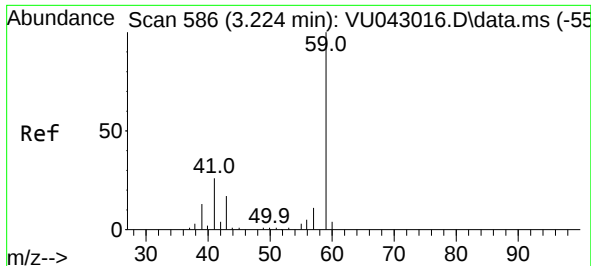
Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 71.0 76.6 115.0#



#6
Chloroethane
Concen: 0.20 ug/l
RT: 2.160 min Scan# 255
Delta R.T. 0.235 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

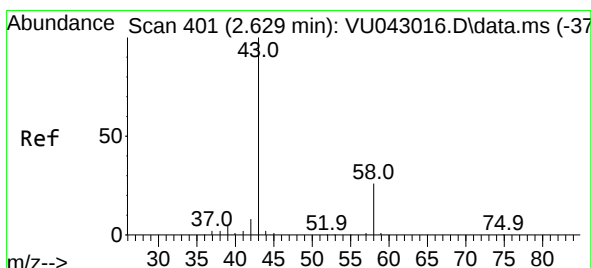
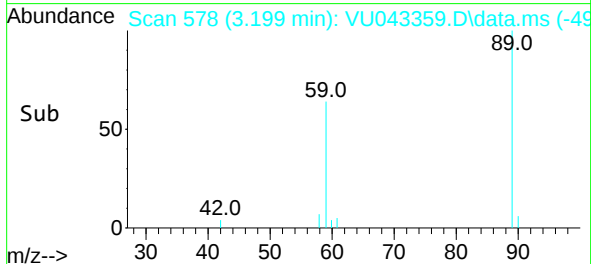
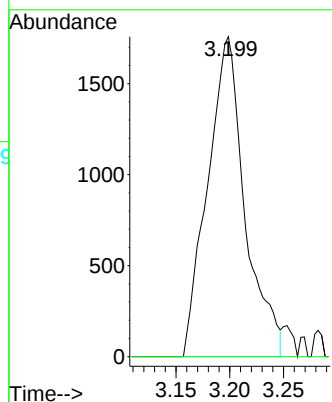
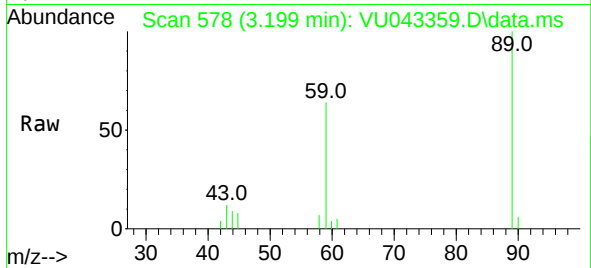




#11
Tert butyl alcohol
Concen: 8.96 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.025 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

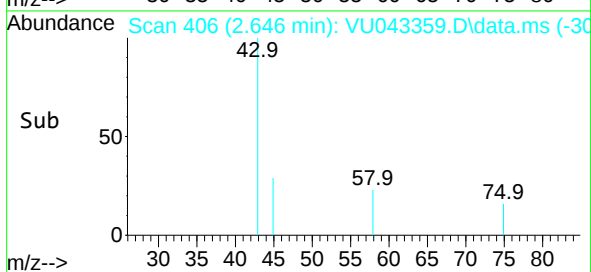
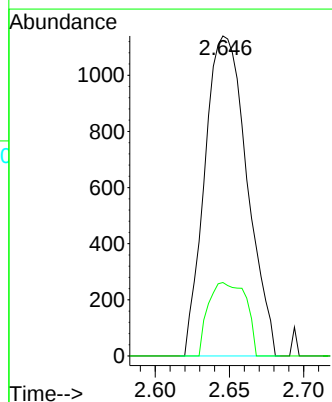
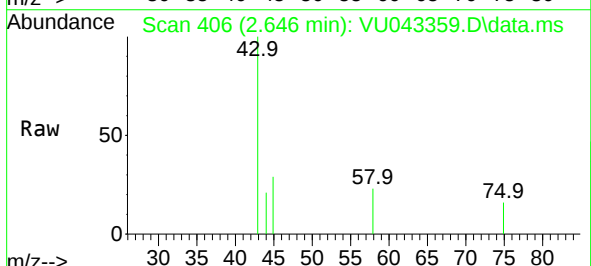
Instrument :
MSVOA_U
ClientSampleId :

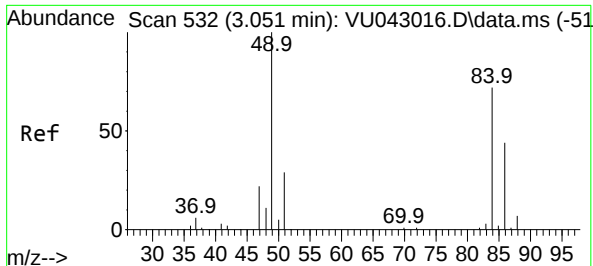
Tgt Ion: 59 Resp: 4231
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 1.79 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.017 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

Tgt Ion: 43 Resp: 2257
Ion Ratio Lower Upper
43 100
58 23.0 21.5 32.3





#20

Methylene Chloride

Concen: 0.24 ug/l

RT: 3.051 min Scan# 532

Delta R.T. -0.000 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

Tgt Ion: 84 Resp: 317

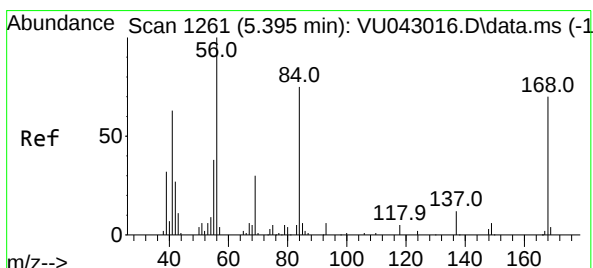
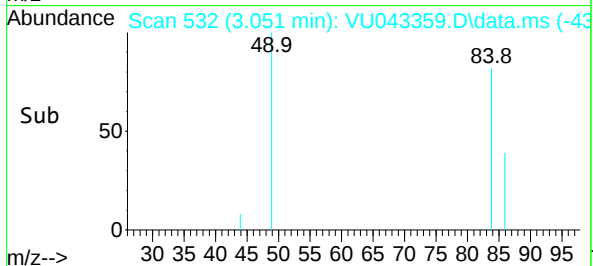
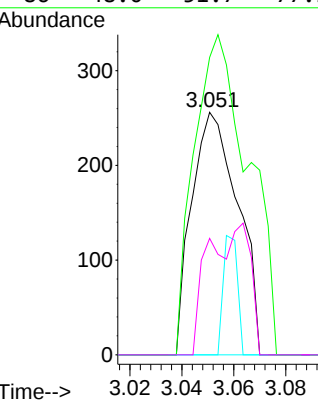
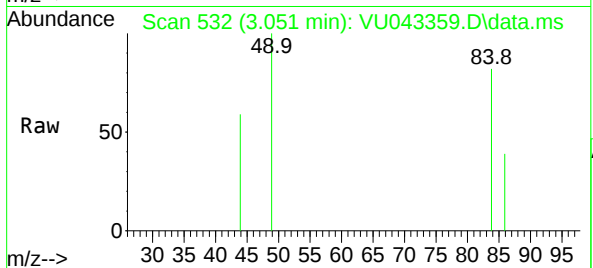
Ion Ratio Lower Upper

84 100

49 122.7 112.6 169.0

51 0.0 33.7 50.5#

86 48.0 51.7 77.5#



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.010 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

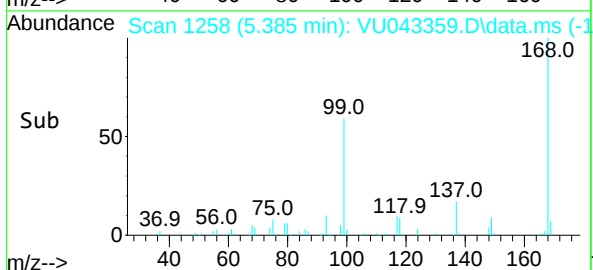
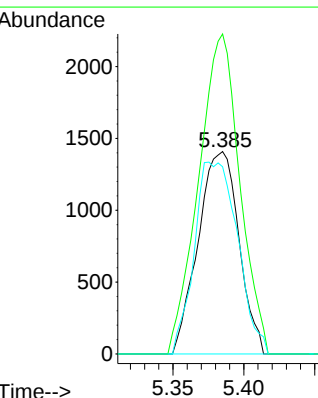
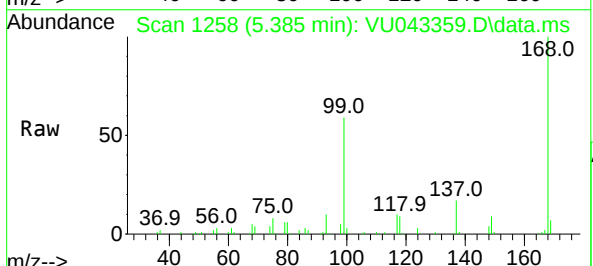
Tgt Ion: 56 Resp: 2817

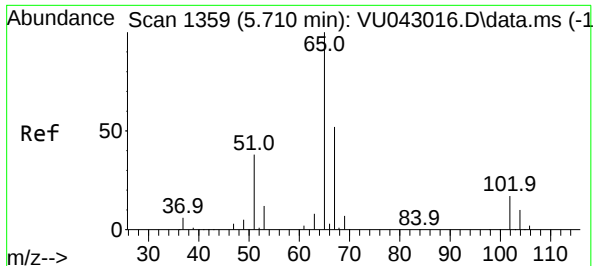
Ion Ratio Lower Upper

56 100

69 158.2 24.9 37.3#

84 92.5 63.7 95.5





#33

1,2-Dichloroethane-d4

Concen: 52.45 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

Tgt Ion: 65 Resp: 96099

Ion Ratio Lower Upper

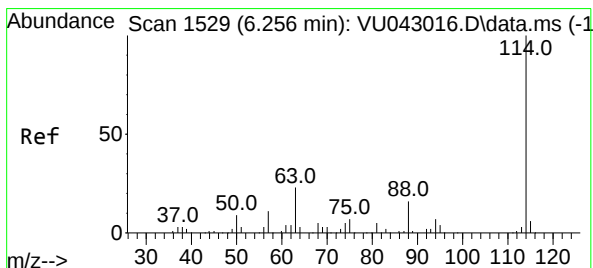
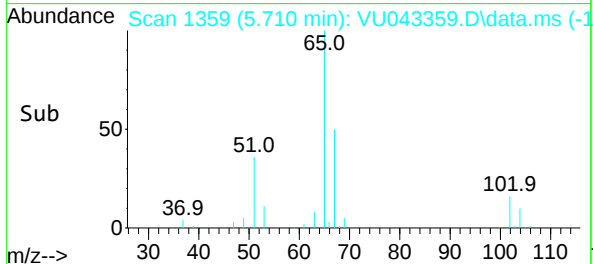
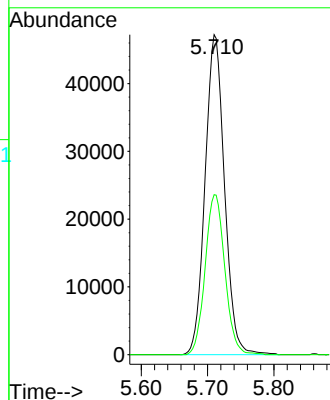
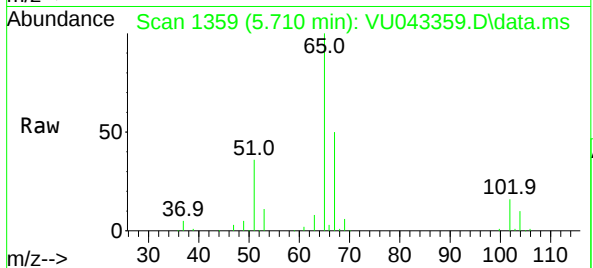
65 100

67 50.7 0.0 99.8

Instrument :

MSVOA_U

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

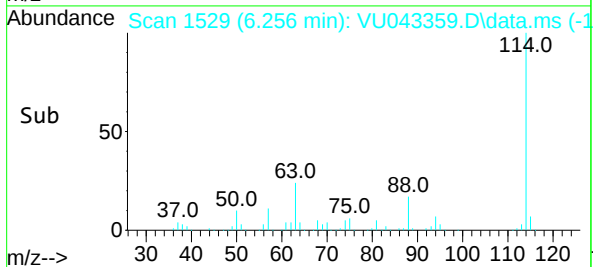
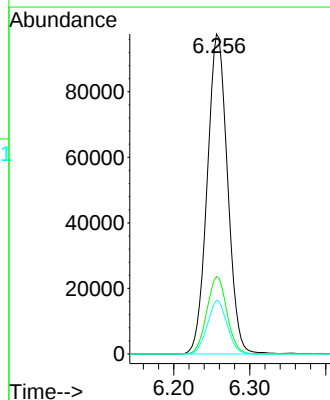
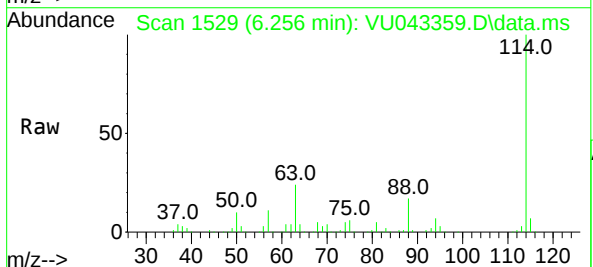
Tgt Ion: 114 Resp: 181035

Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.2

88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.13 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

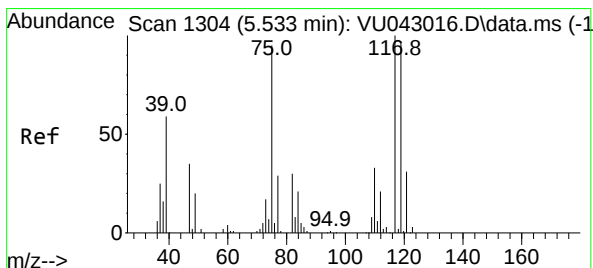
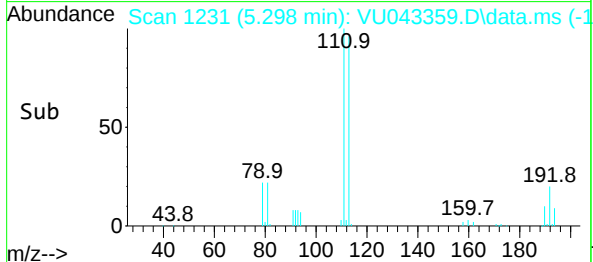
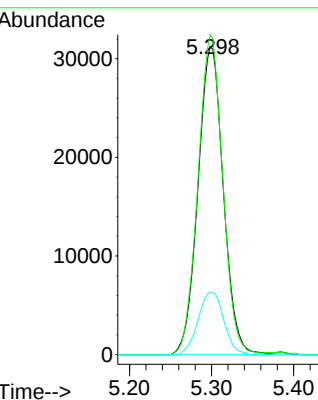
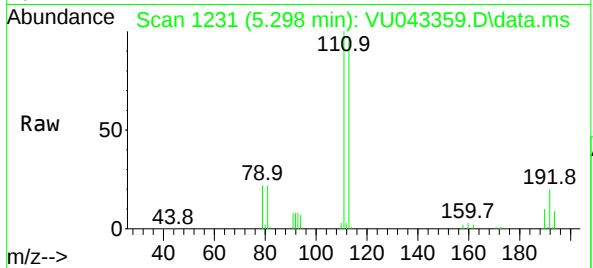
Tgt Ion:113 Resp: 66840

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 20.6 17.2 25.8



#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

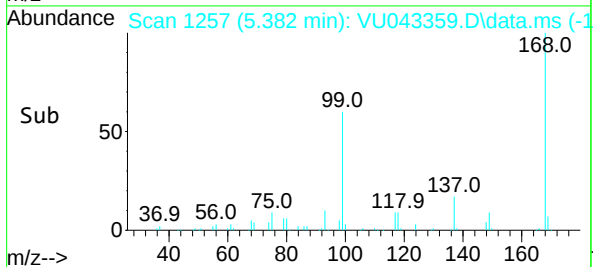
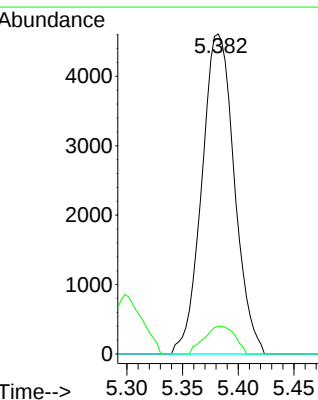
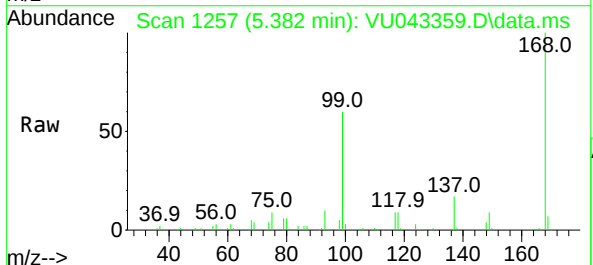
Tgt Ion: 75 Resp: 9379

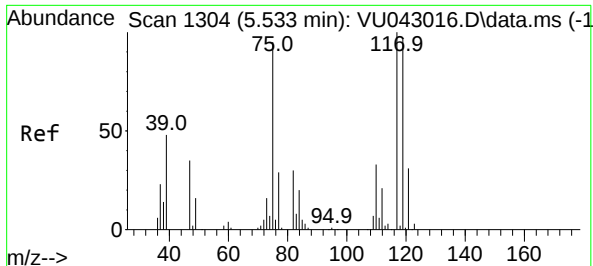
Ion Ratio Lower Upper

75 100

110 8.2 16.8 50.3#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.34 ug/l

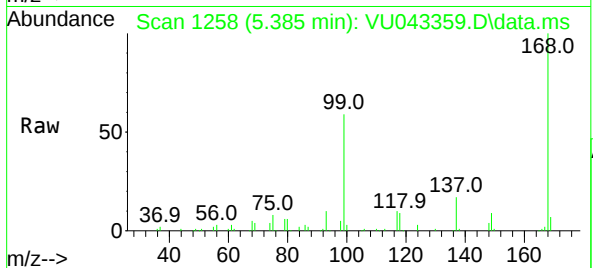
RT: 5.385 min Scan# 1258

Delta R.T. -0.148 min

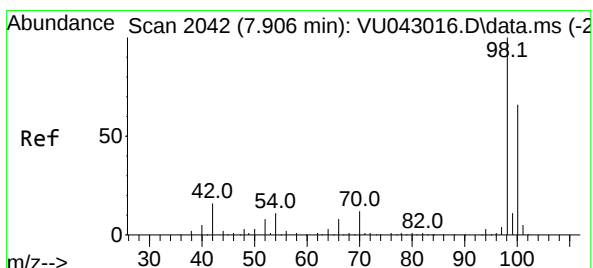
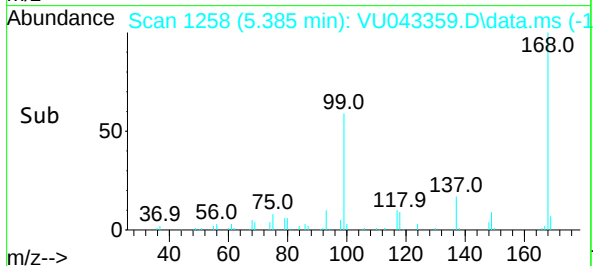
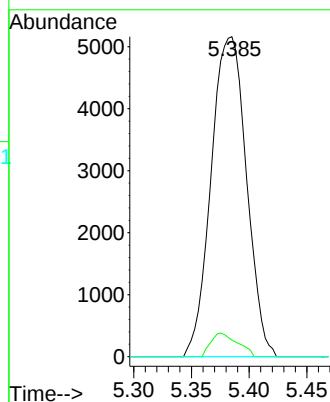
Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:	117	Resp:	10988
Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.5	113.3#
121	0.0	24.7	37.1#



#50

Toluene-d8

Concen: 47.48 ug/l

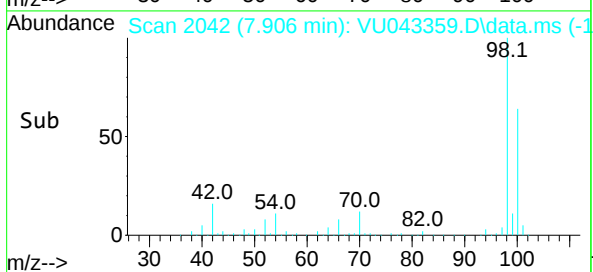
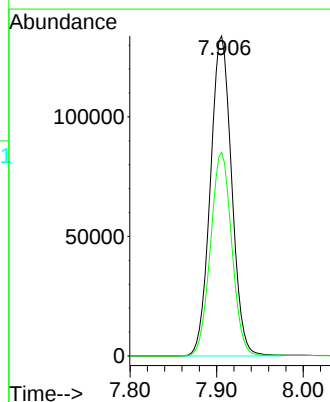
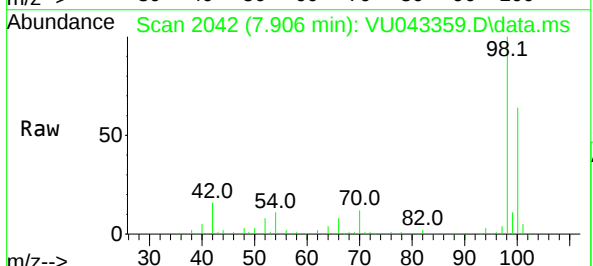
RT: 7.906 min Scan# 2042

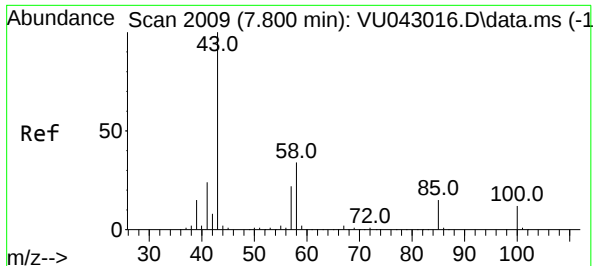
Delta R.T. -0.000 min

Lab File: VU043359.D

Acq: 27 Apr 2021 21:47

Tgt Ion:	98	Resp:	228552
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.2	75.2

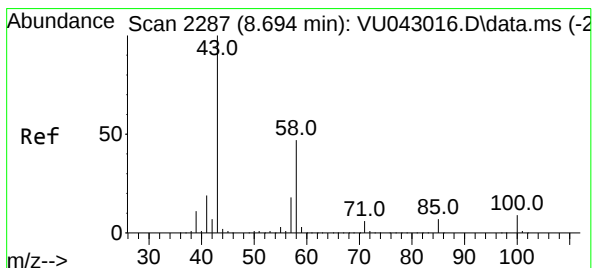
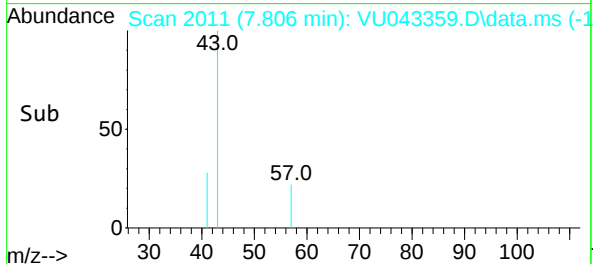
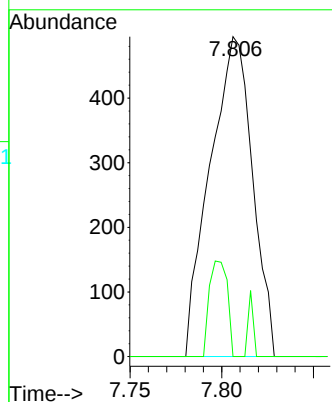
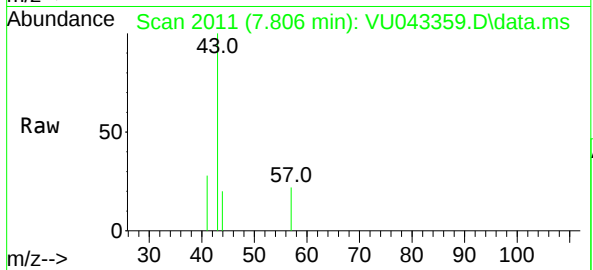




#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

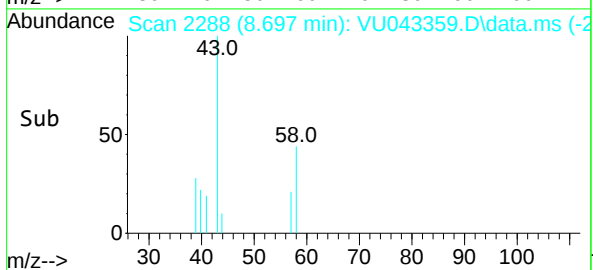
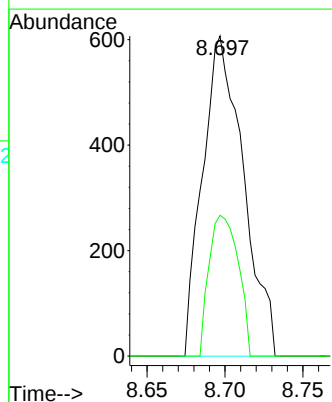
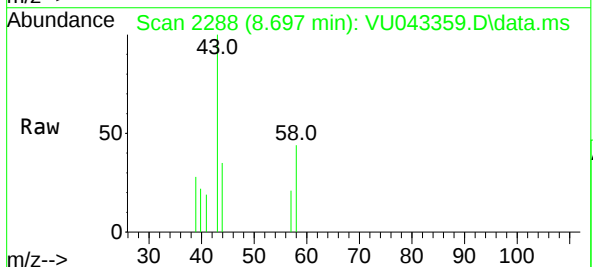
Instrument :
MSVOA_U
ClientSampled :

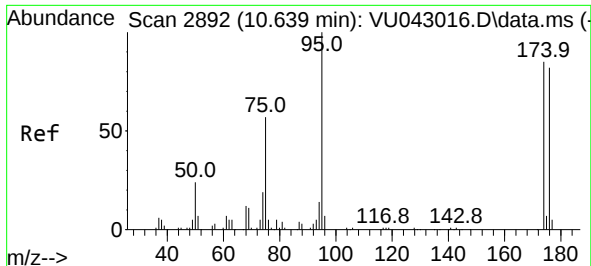
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
58 12.7 28.1 42.1#



#59
2-Hexanone
Concen: 0.39 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 31.5 24.0 72.0

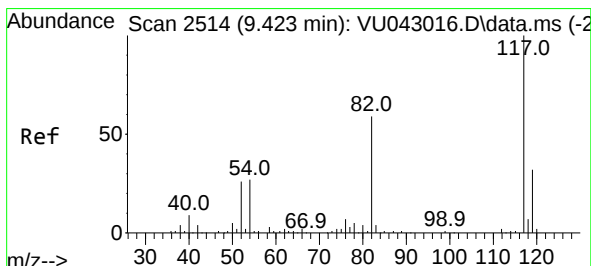
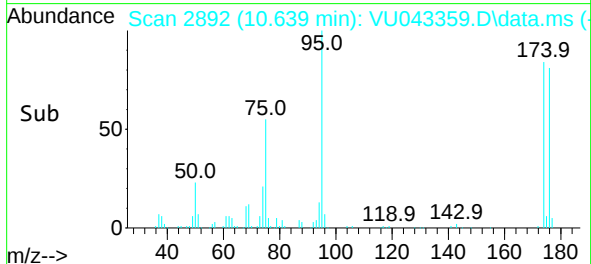
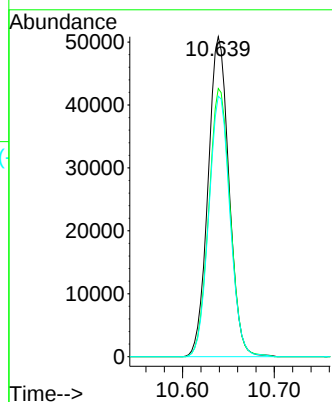
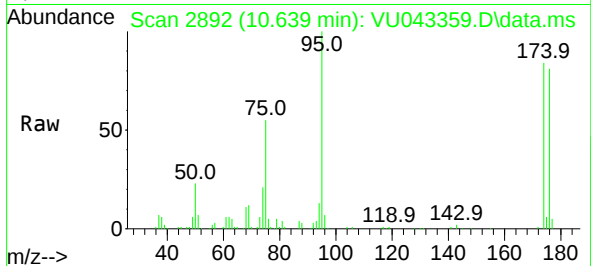




#62
4-Bromofluorobenzene
Concen: 41.96 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

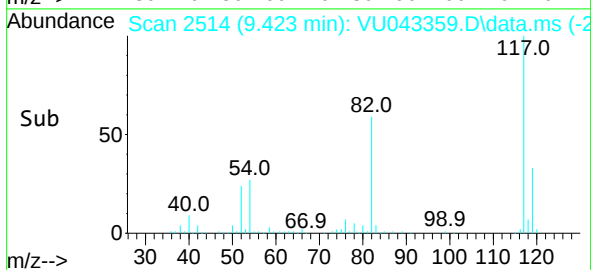
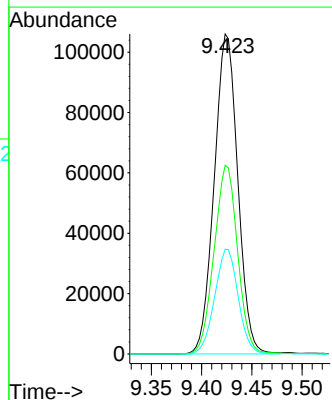
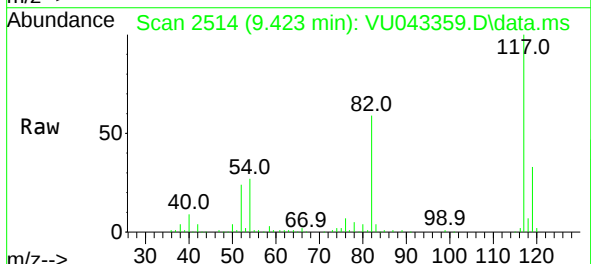
Instrument :
MSVOA_U
ClientSampleId :

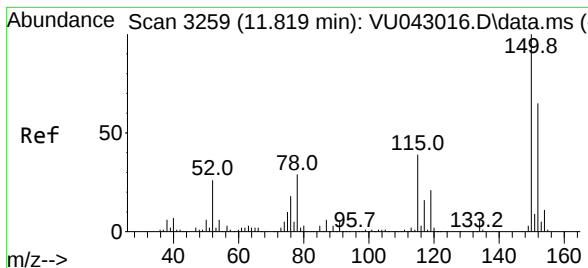
Tgt Ion: 95 Resp: 80874
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.2
176 82.5 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

Tgt Ion: 117 Resp: 172799
Ion Ratio Lower Upper
117 100
82 59.0 45.8 68.6
119 32.7 25.8 38.8

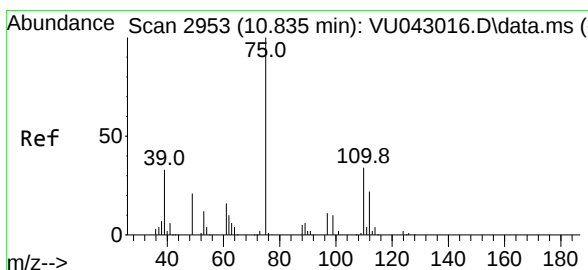
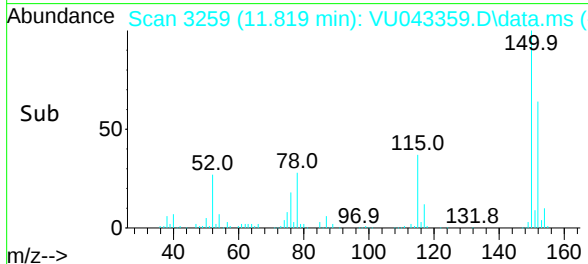
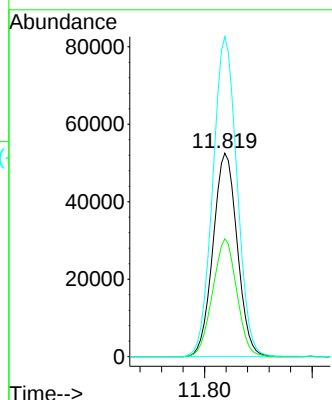
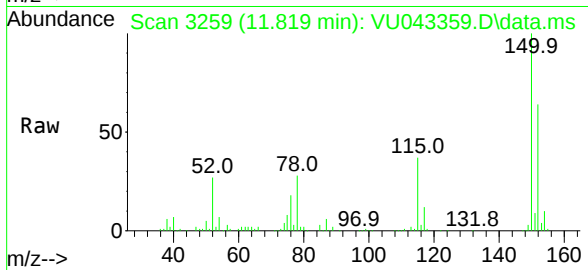




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043359.D
 Acq: 27 Apr 2021 21:47

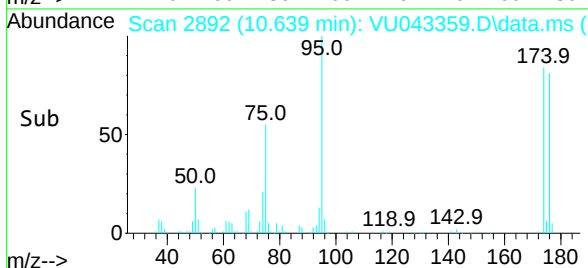
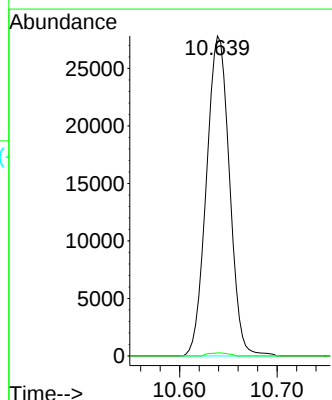
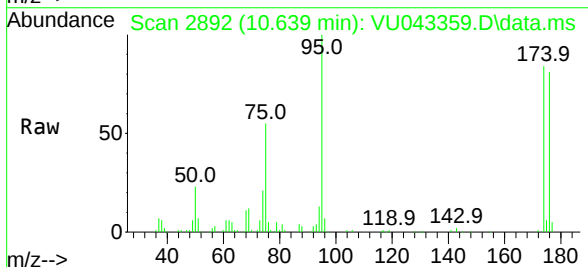
Instrument :
 MSVOA_U
 ClientSampleId :

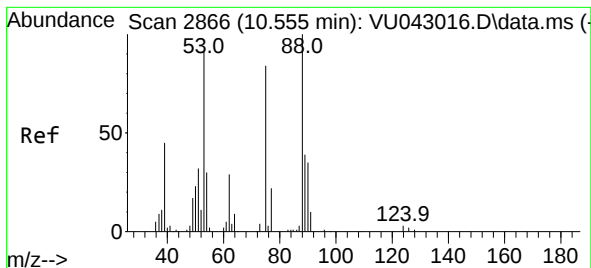
Tgt Ion:152 Resp: 82176
 Ion Ratio Lower Upper
 152 100
 115 57.7 41.5 124.6
 150 157.5 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 19.04 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043359.D
 Acq: 27 Apr 2021 21:47

Tgt Ion: 75 Resp: 45729
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.2 60.5#

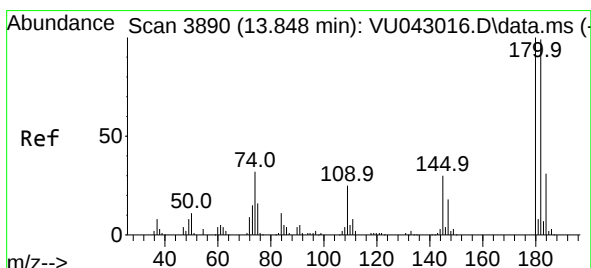
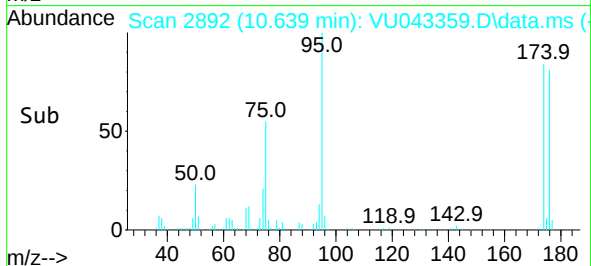
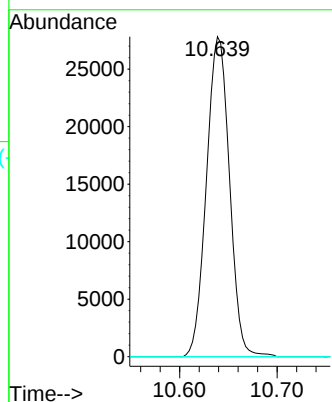
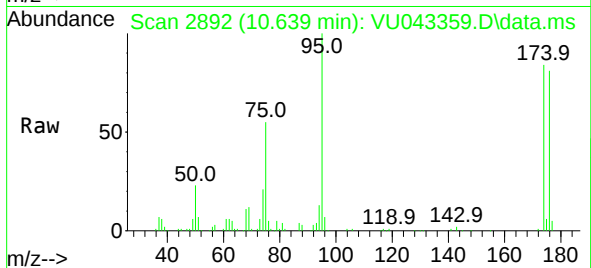




#81
trans-1,4-Dichloro-2-butene
Concen: 55.96 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

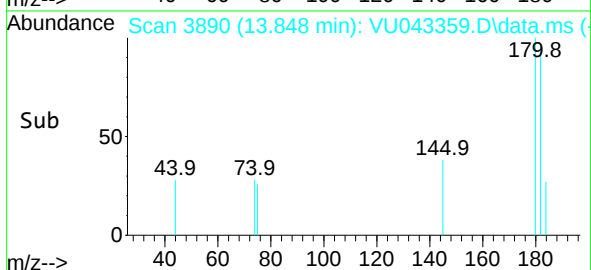
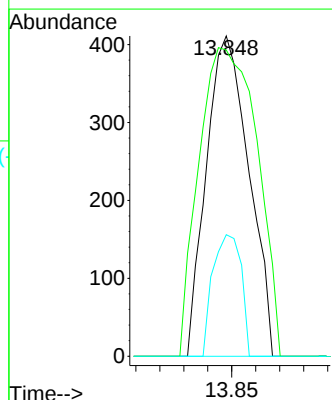
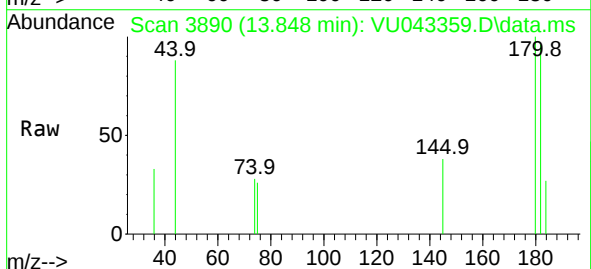
Instrument :
MSVOA_U
ClientSampleId :

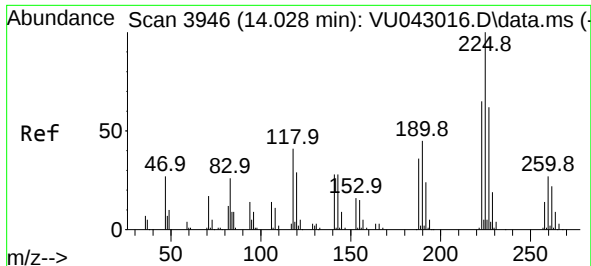
Tgt Ion: 75 Resp: 45729
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.77 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

Tgt Ion:180 Resp: 506
Ion Ratio Lower Upper
180 100
182 131.8 46.9 140.8
145 25.1 14.4 43.4

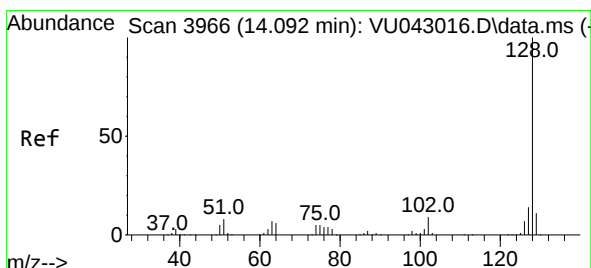
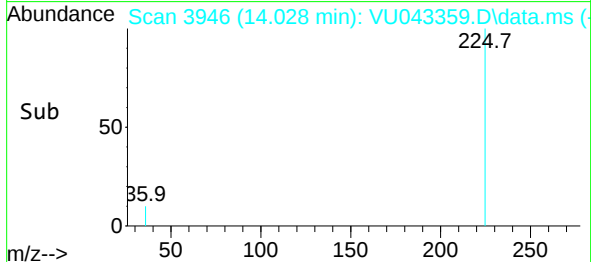
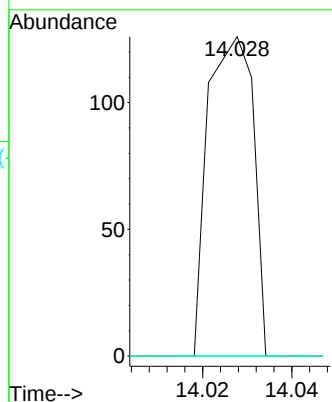
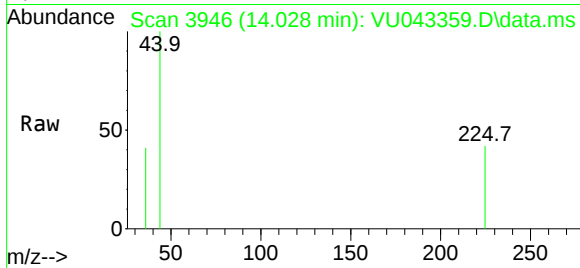




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.028 min Scan# 3946
Delta R.T. -0.000 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

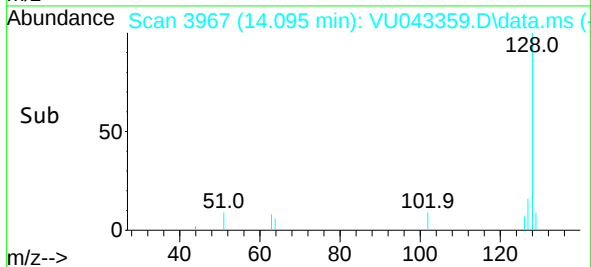
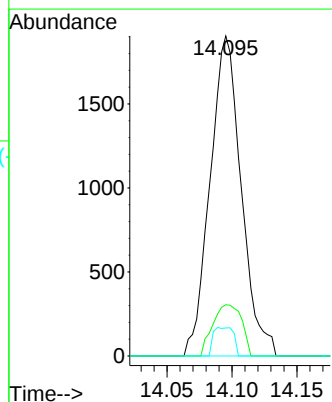
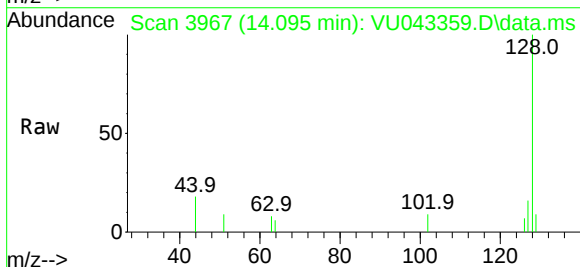
Instrument :
MSVOA_U
ClientSampleId :

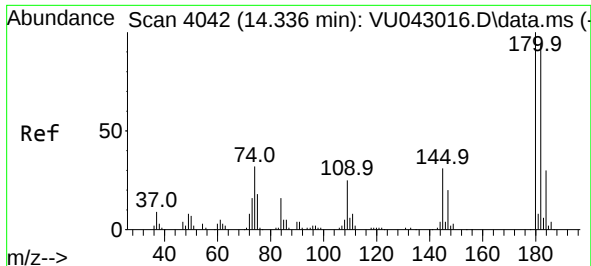
Tgt Ion:225 Resp: 89
Ion Ratio Lower Upper
225 100
223 0.0 32.3 96.9#
227 0.0 31.8 95.4#



#95
Naphthalene
Concen: 3.25 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043359.D
Acq: 27 Apr 2021 21:47

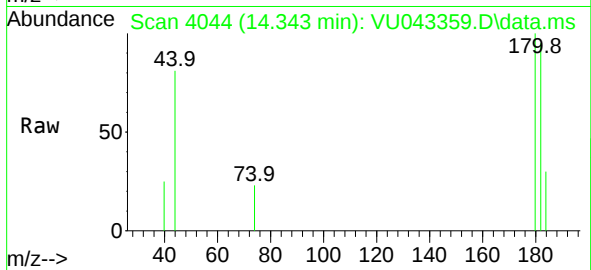
Tgt Ion:128 Resp: 3176
Ion Ratio Lower Upper
128 100
127 14.8 10.8 16.2
129 5.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.79 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.007 min
 Lab File: VU043359.D
 Acq: 27 Apr 2021 21:47

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 628
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.0 144.0
 145 12.4 15.5 46.5#

