

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043368.D
 Acq On : 28 Apr 2021 01:13
 Operator : SY/MD
 Sample : M2133-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 28 09:14:21 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)

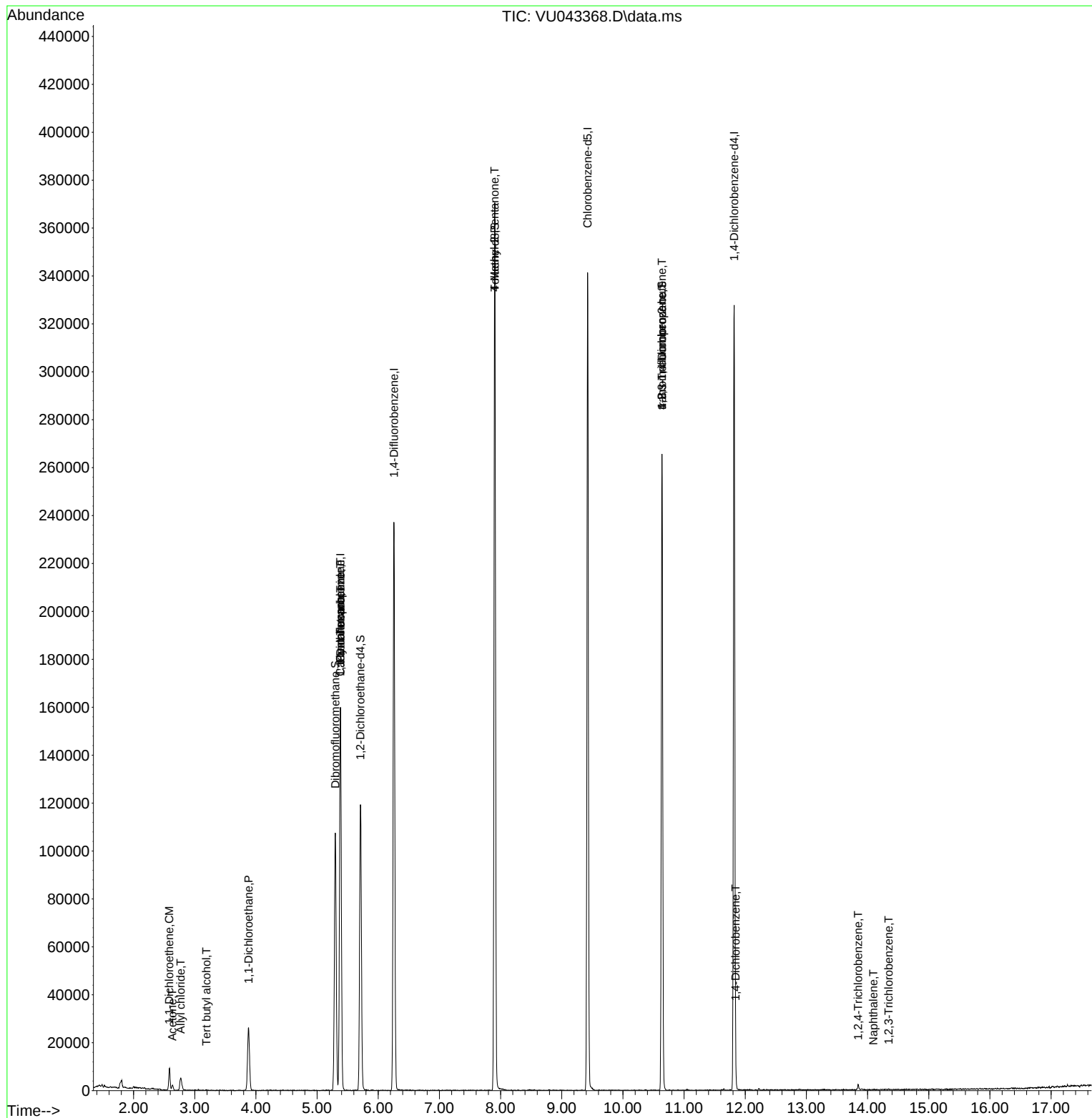
Internal Standards						
1) Pentafluorobenzene	5.382	168	105497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	173981	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	167557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	80108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	93920	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
35) Dibromofluoromethane	5.298	113	65214	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
50) Toluene-d8	7.906	98	223033	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	10.639	95	78600	42.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	513	Below Cal	#	87
11) Tert butyl alcohol	3.192	59	134	0.29 ug/l	#	94
12) 1,1-Dichloroethene	2.584	96	2845	2.88 ug/l		88
14) Allyl chloride	2.771	41	718	0.30 ug/l	#	61
16) Acetone	2.632	43	2504	2.10 ug/l		100
24) 1,1-Dichloroethane	3.880	63	29274	12.63 ug/l		100
31) Cyclohexane	5.382	56	2735	1.25 ug/l	#	21
36) 1,1-Dichloropropene	5.378	75	8707	4.72 ug/l	#	50
38) Carbon Tetrachloride	5.378	117	10738	5.43 ug/l	#	17
51) 4-Methyl-2-Pentanone	7.902	43	1258	0.38 ug/l	#	1
76) 1,2,3-Trichloropropane	10.639	75	44597	19.05 ug/l	#	36
81) trans-1,4-Dichloro-2-b...	10.639	75	44597	55.98 ug/l	#	7
88) 1,4-Dichlorobenzene	11.844	146	1398	0.49 ug/l	#	59
93) 1,2,4-Trichlorobenzene	13.844	180	754	1.90 ug/l		89
95) Naphthalene	14.095	128	40	2.75 ug/l	#	69
96) 1,2,3-Trichlorobenzene	14.343	180	148	1.54 ug/l	#	75

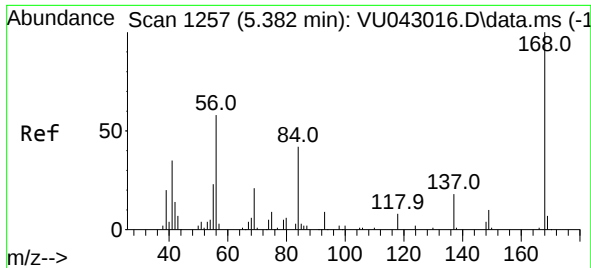
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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Quant Time: Apr 28 09:14:21 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

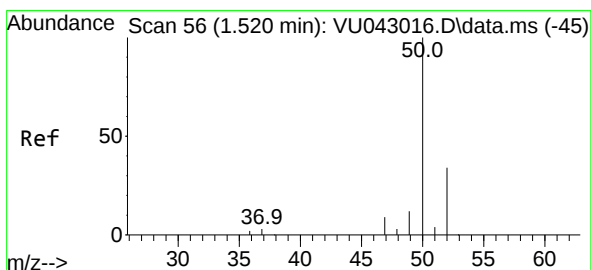
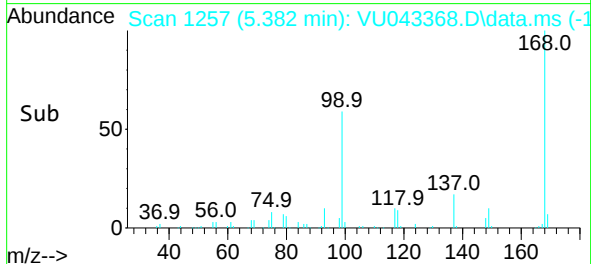
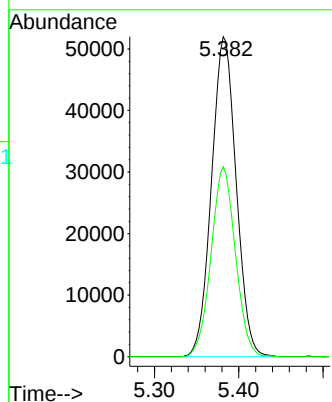
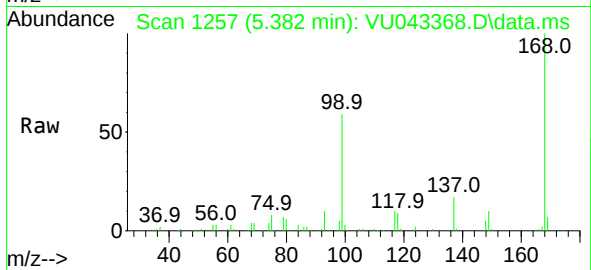




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

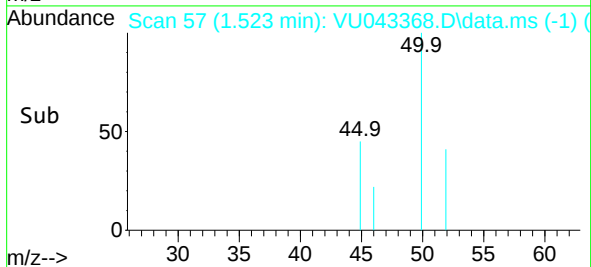
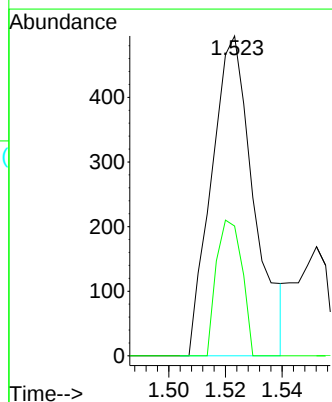
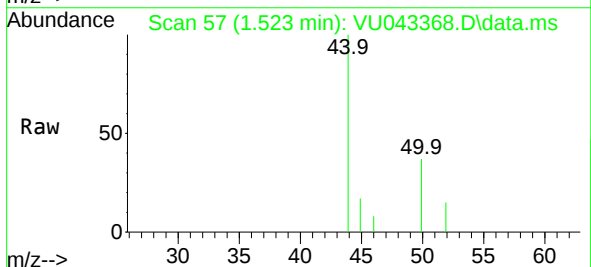
Instrument :
MSVOA_U
ClientSampled :

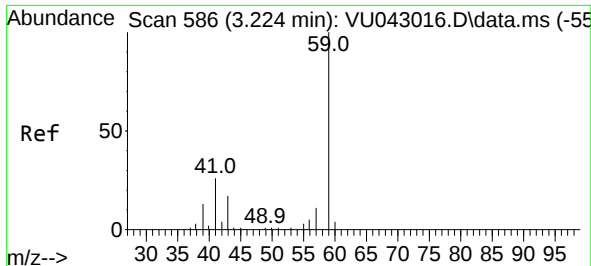
Tgt Ion:168 Resp: 105497
Ion Ratio Lower Upper
168 100
99 59.4 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

Tgt Ion: 50 Resp: 513
Ion Ratio Lower Upper
50 100
52 40.6 26.6 40.0#

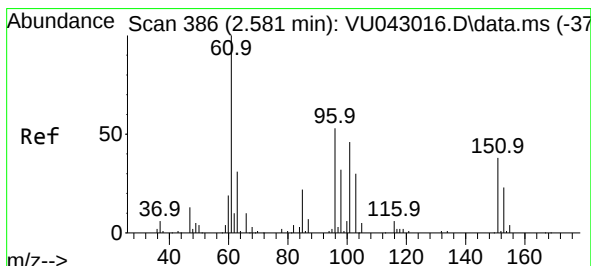
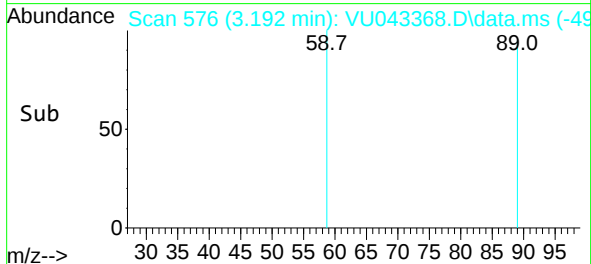
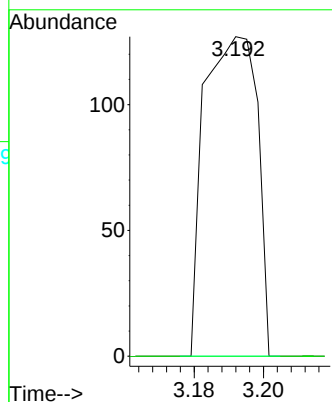
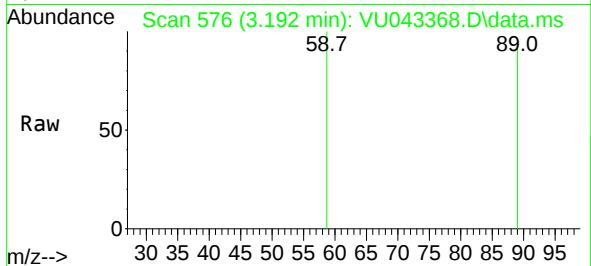




#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.032 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

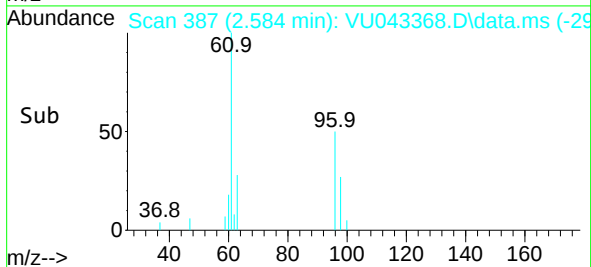
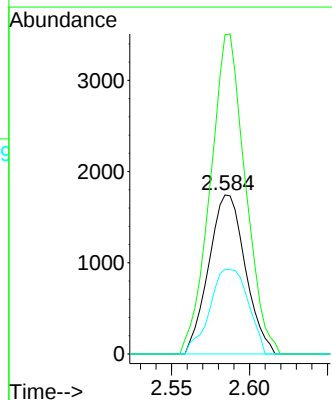
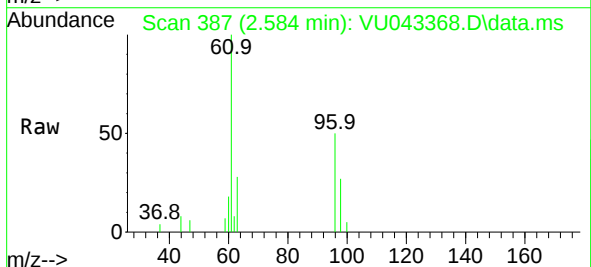
Instrument :
MSVOA_U
ClientSampled :

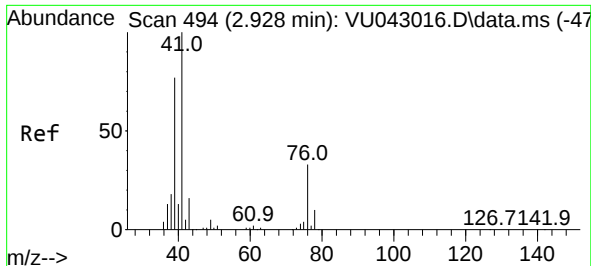
Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#12
1,1-Dichloroethene
Concen: 2.88 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

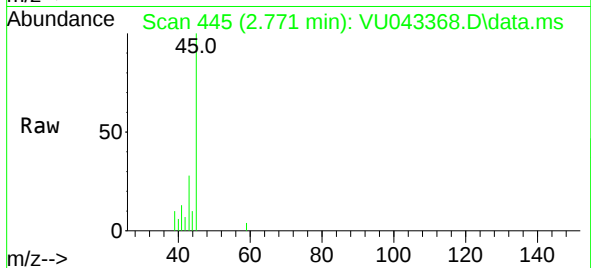
Tgt Ion: 96 Resp: 2845
Ion Ratio Lower Upper
96 100
61 200.7 147.4 221.0
98 53.2 51.4 77.2



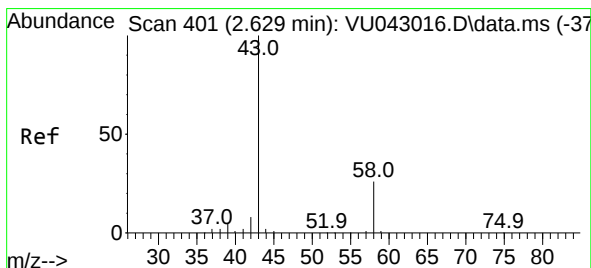
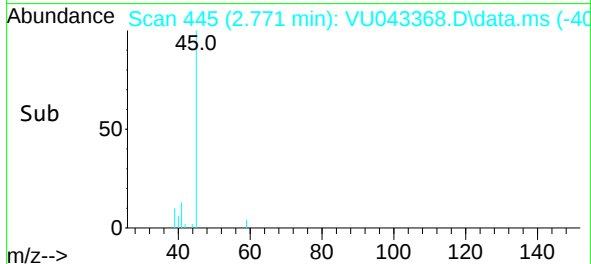
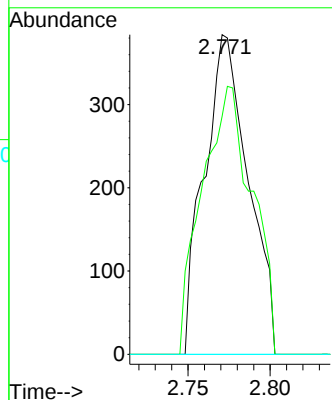


#14
 Allyl chloride
 Concen: 0.30 ug/l
 RT: 2.771 min Scan# 445
 Delta R.T. -0.157 min
 Lab File: VU043368.D
 Acq: 28 Apr 2021 01:13

Instrument :
 MSVOA_U
 ClientSampled :

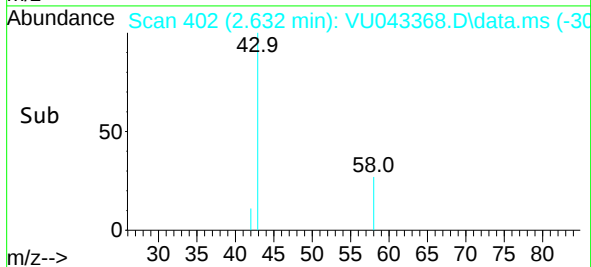
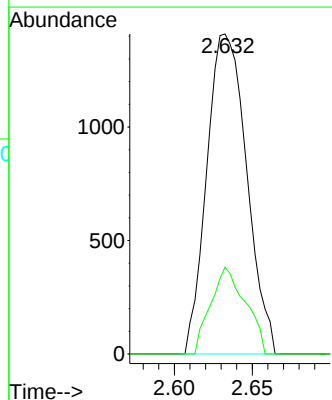
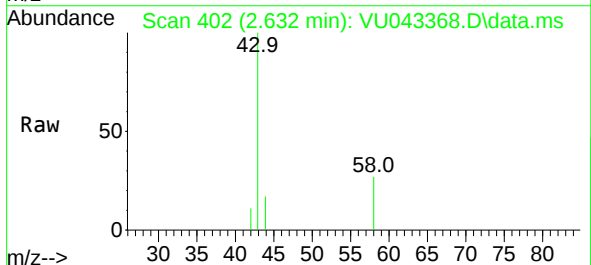


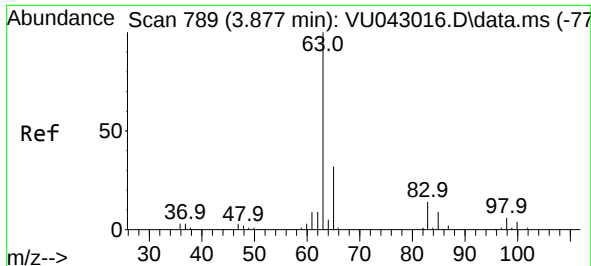
Tgt Ion: 41 Resp: 718
 Ion Ratio Lower Upper
 41 100
 39 95.3 54.9 82.3#
 76 0.0 22.5 33.7#



#16
 Acetone
 Concen: 2.10 ug/l
 RT: 2.632 min Scan# 402
 Delta R.T. 0.003 min
 Lab File: VU043368.D
 Acq: 28 Apr 2021 01:13

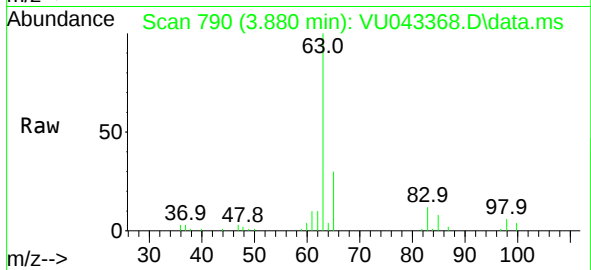
Tgt Ion: 43 Resp: 2504
 Ion Ratio Lower Upper
 43 100
 58 27.1 21.5 32.3



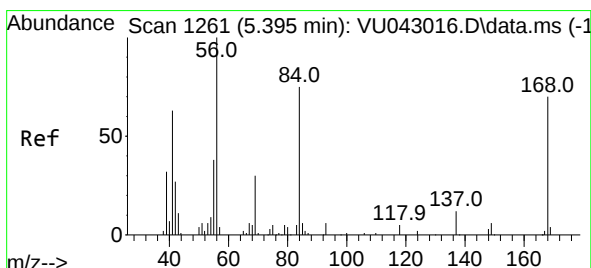
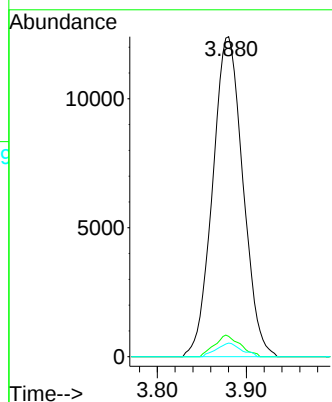
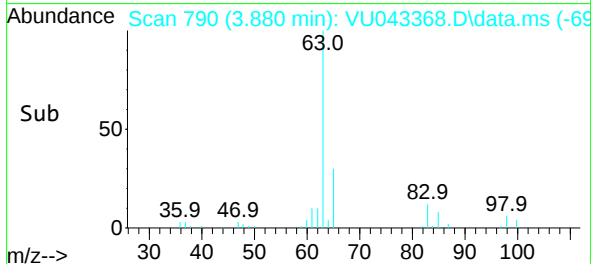


#24
1,1-Dichloroethane
Concen: 12.63 ug/l
RT: 3.880 min Scan# 790
Delta R.T. 0.003 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

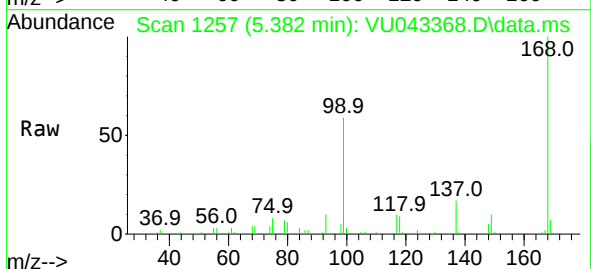
Instrument :
MSVOA_U
ClientSampleId :



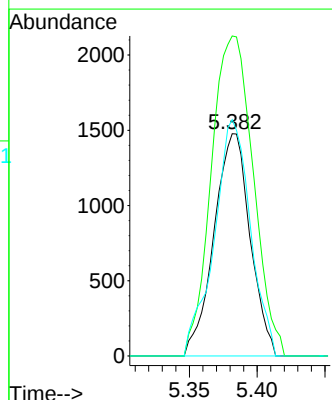
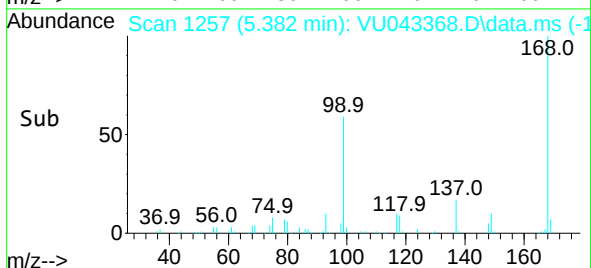
Tgt Ion: 63	Resp: 29274
Ion Ratio	Lower Upper
63 100	
98 6.4	3.1 9.3
100 4.3	2.1 6.2

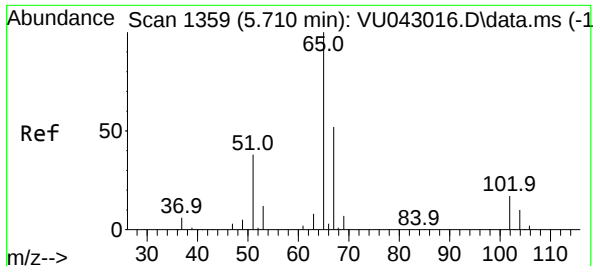


#31
Cyclohexane
Concen: 1.25 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13



Tgt Ion: 56	Resp: 2735
Ion Ratio	Lower Upper
56 100	
69 144.0	24.9 37.3#
84 106.4	63.7 95.5#





#33

1,2-Dichloroethane-d4

Concen: 52.96 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043368.D

Acq: 28 Apr 2021 01:13

Tgt Ion: 65 Resp: 93920

Ion Ratio Lower Upper

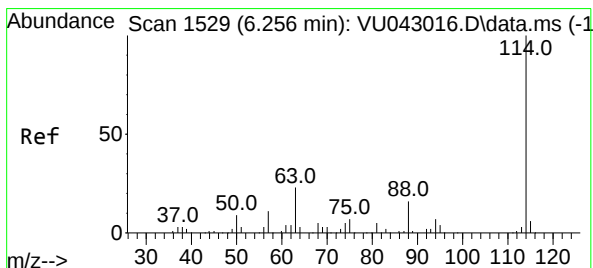
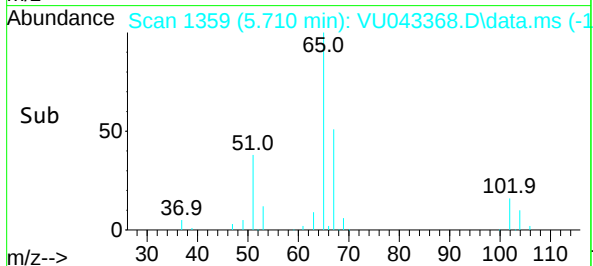
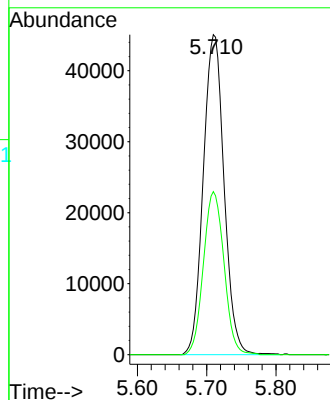
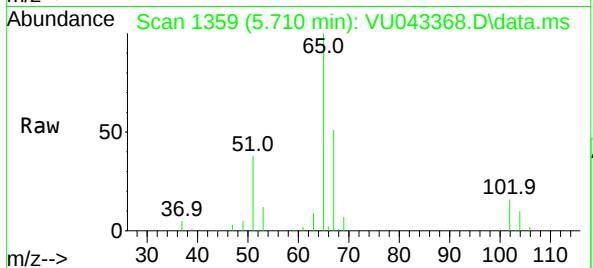
65 100

67 50.4 0.0 99.8

Instrument :

MSVOA_U

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043368.D

Acq: 28 Apr 2021 01:13

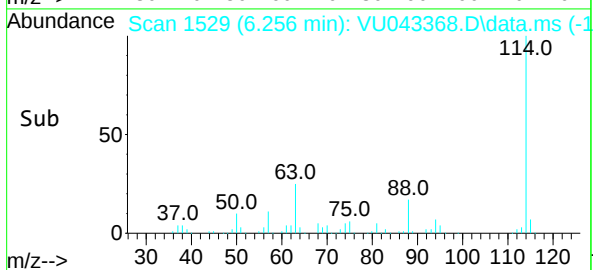
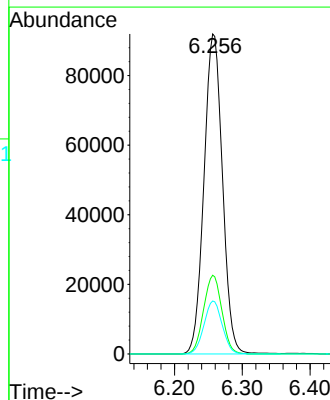
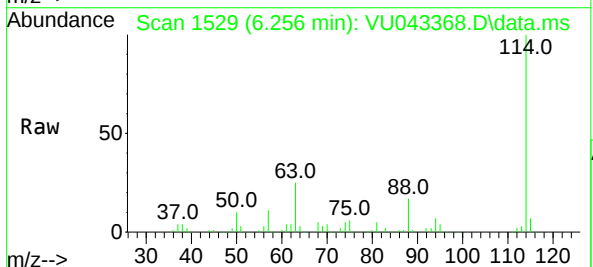
Tgt Ion: 114 Resp: 173981

Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.2

88 16.6 0.0 33.4

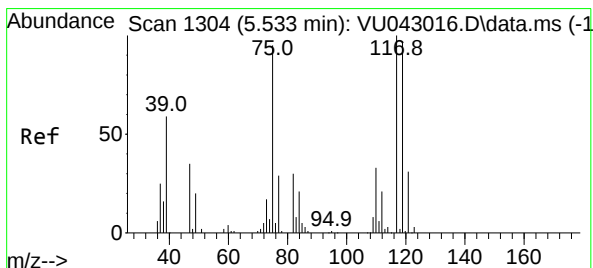
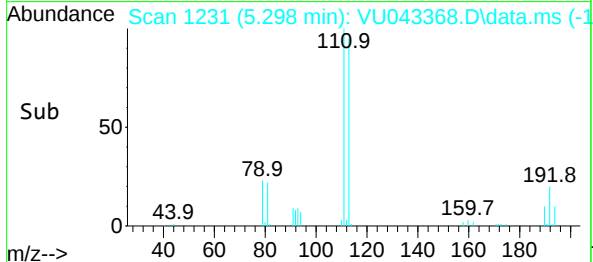
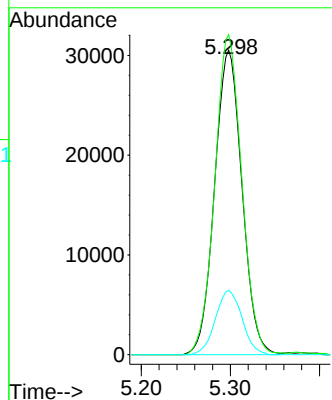
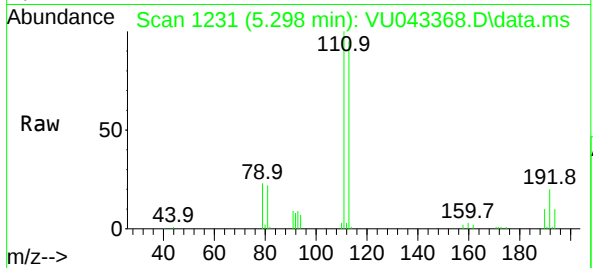




#35
Dibromofluoromethane
Concen: 49.88 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

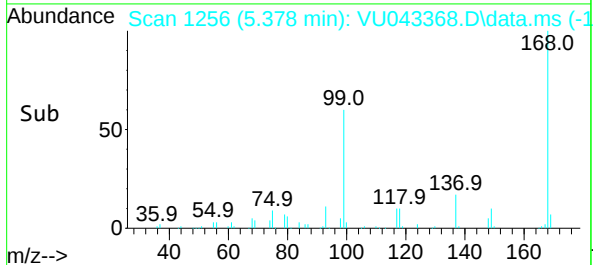
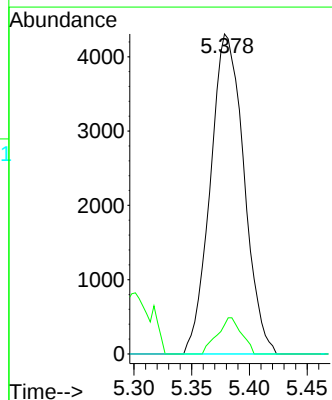
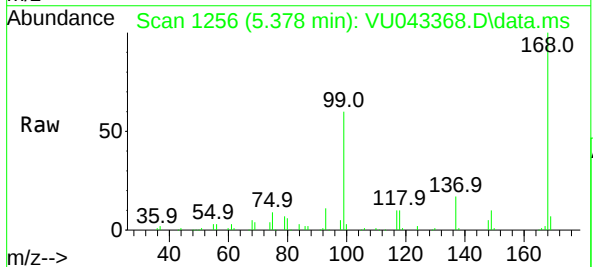
Instrument :
MSVOA_U
ClientSampleId :

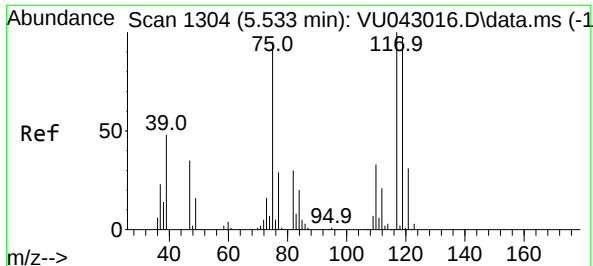
Tgt Ion:113 Resp: 65214
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 20.5 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

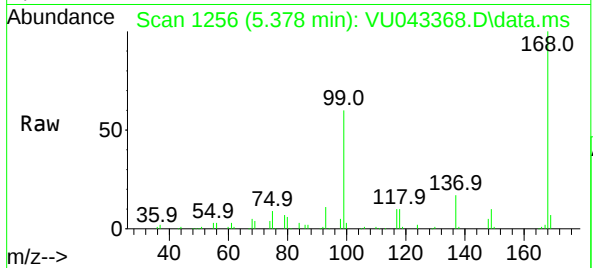
Tgt Ion: 75 Resp: 8707
Ion Ratio Lower Upper
75 100
110 8.1 16.8 50.3#
77 0.0 24.8 37.2#



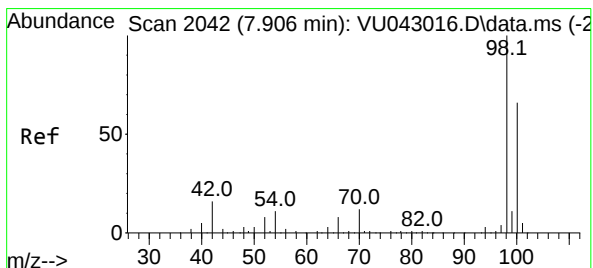
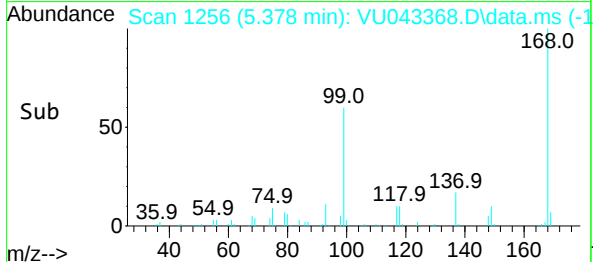
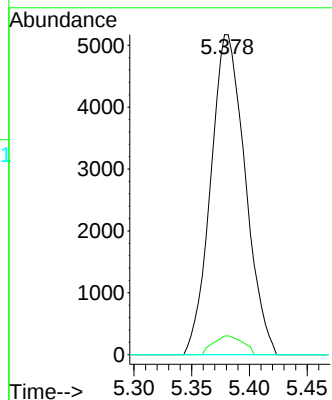


#38
Carbon Tetrachloride
Concen: 5.43 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

Instrument :
MSVOA_U
ClientSampleId :

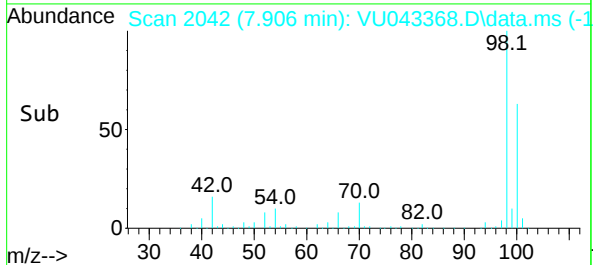
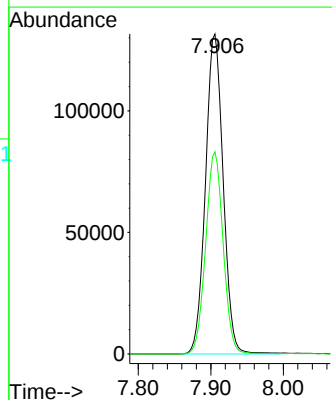
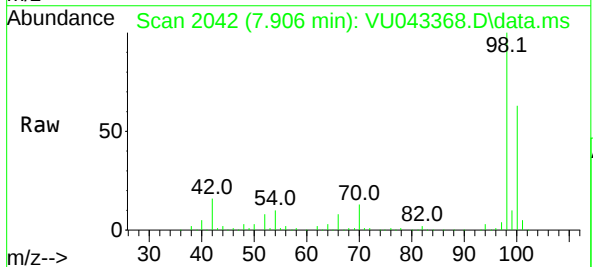


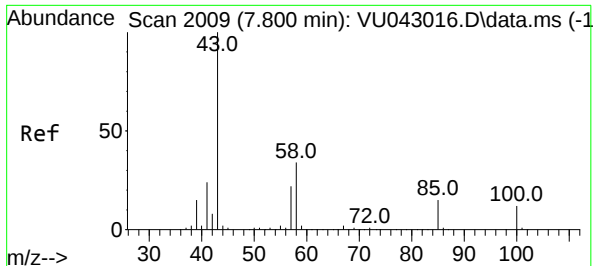
Tgt Ion: 117 Resp: 10738
Ion Ratio Lower Upper
117 100
119 5.8 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.21 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

Tgt Ion: 98 Resp: 223033
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.2

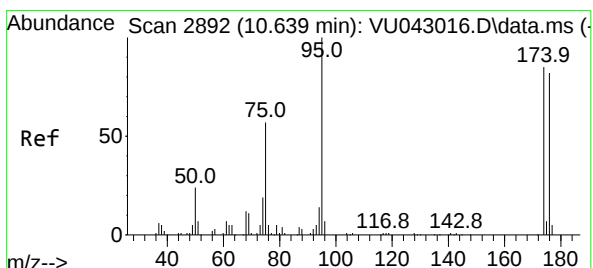
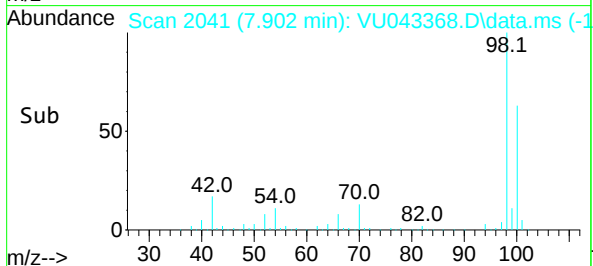
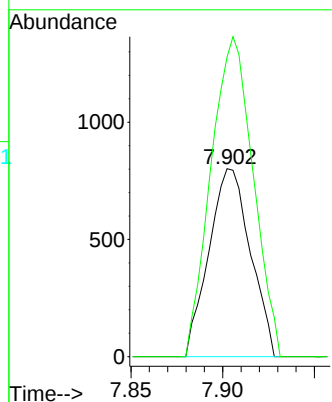
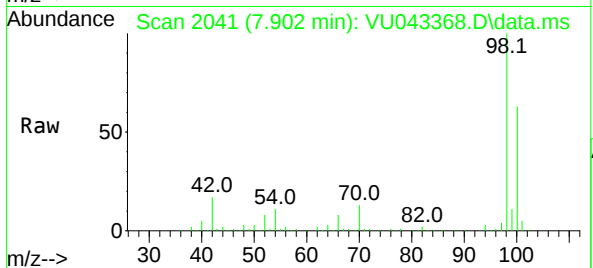




#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.102 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

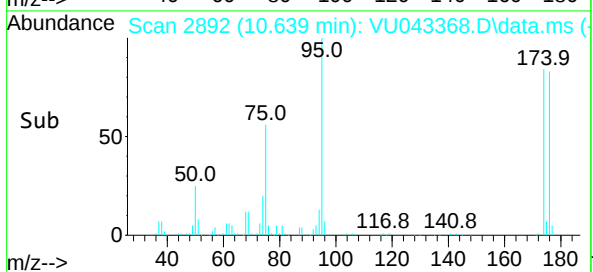
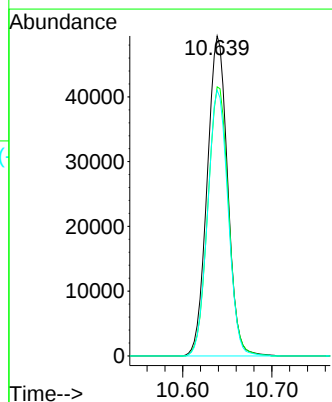
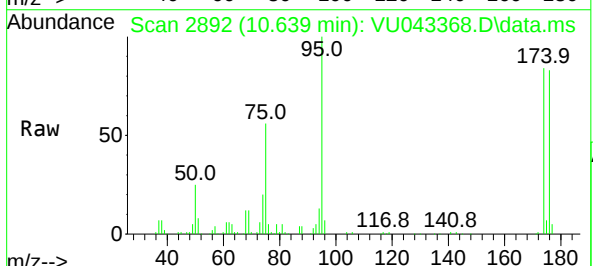
Instrument :
MSVOA_U
ClientSampled :

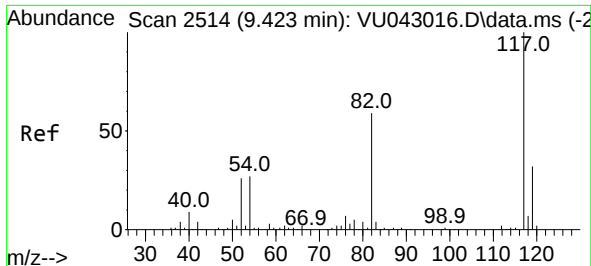
Tgt Ion: 43 Resp: 1258
Ion Ratio Lower Upper
43 100
58 173.1 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 42.43 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

Tgt Ion: 95 Resp: 78600
Ion Ratio Lower Upper
95 100
174 85.2 0.0 172.2
176 82.8 0.0 168.8

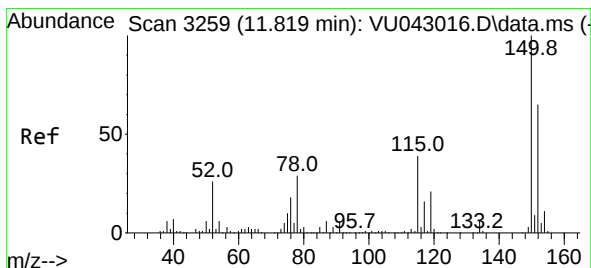
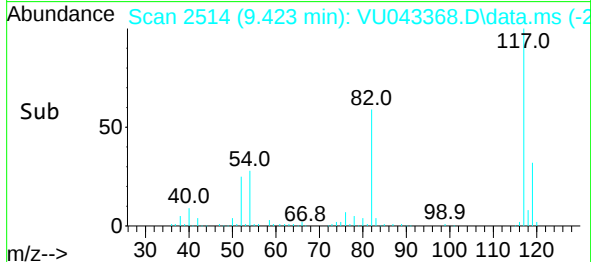
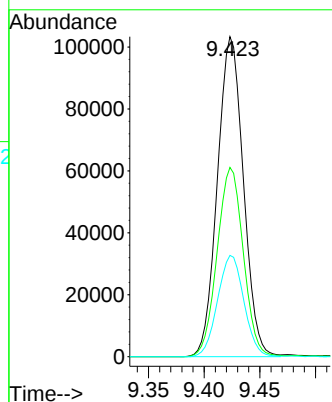
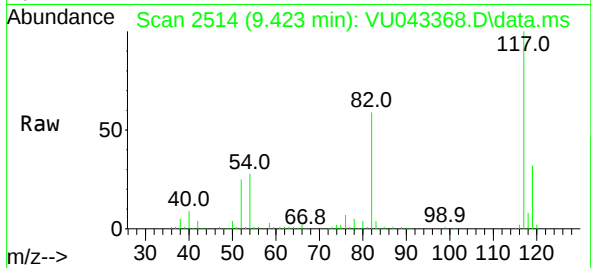




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

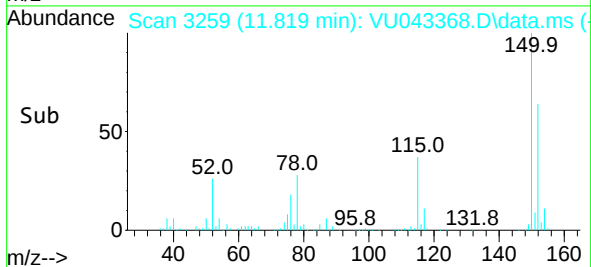
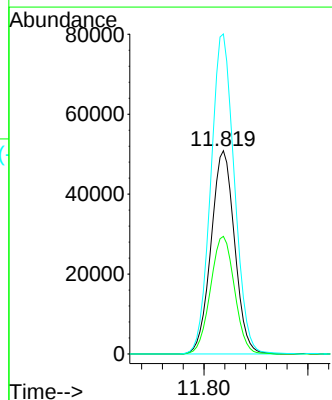
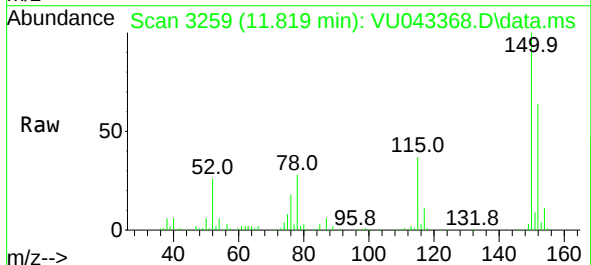
Instrument :
MSVOA_U
ClientSampled :

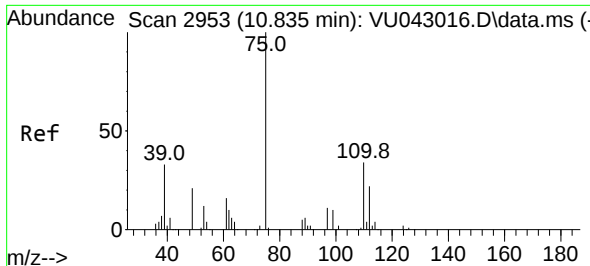
Tgt Ion:117 Resp: 167557
Ion Ratio Lower Upper
117 100
82 59.1 45.8 68.6
119 31.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

Tgt Ion:152 Resp: 80108
Ion Ratio Lower Upper
152 100
115 59.0 41.5 124.6
150 157.8 0.0 342.4

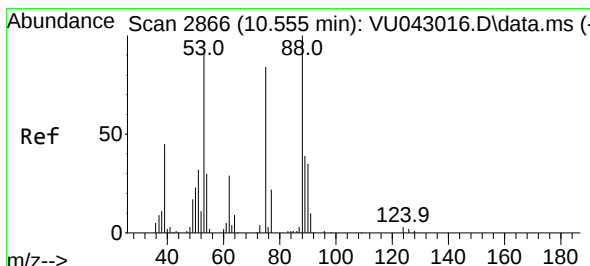
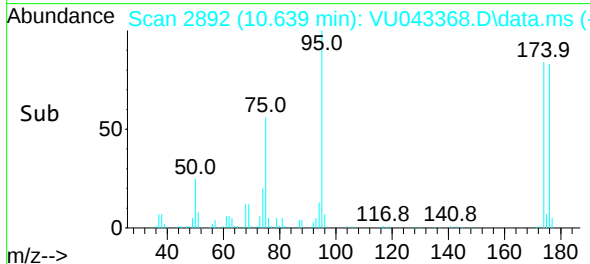
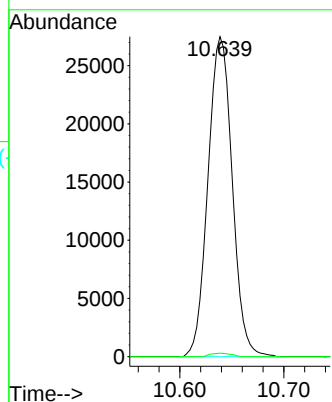
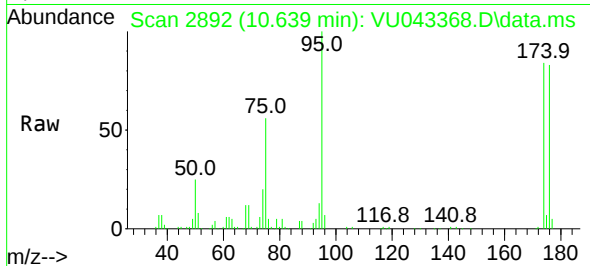




#76
1,2,3-Trichloropropane
Concen: 19.05 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

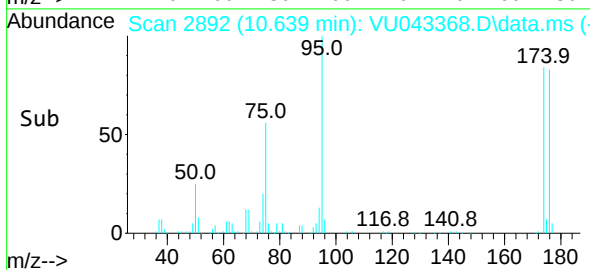
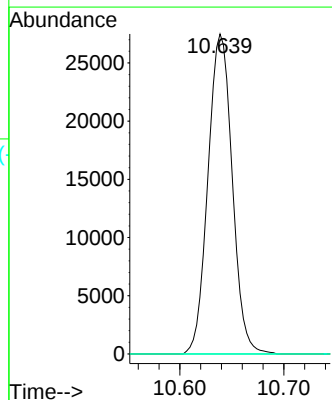
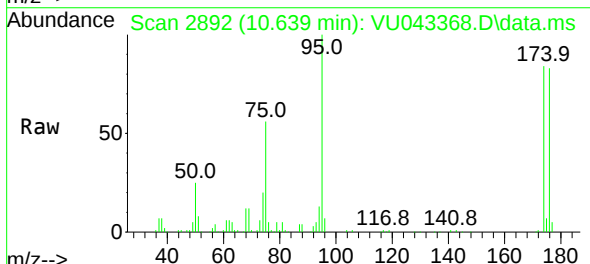
Instrument :
MSVOA_U
ClientSampled :

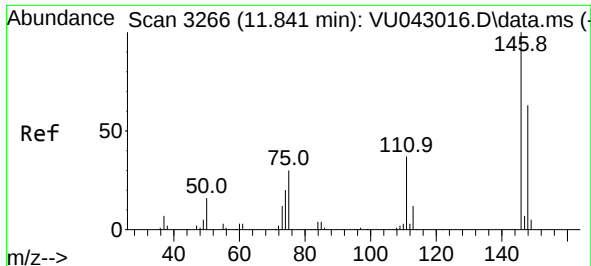
Tgt Ion: 75 Resp: 44597
Ion Ratio Lower Upper
75 100
77 0.9 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.98 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

Tgt Ion: 75 Resp: 44597
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

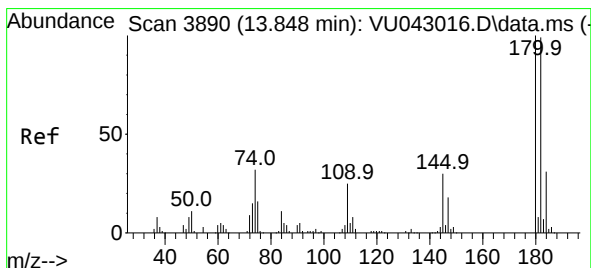
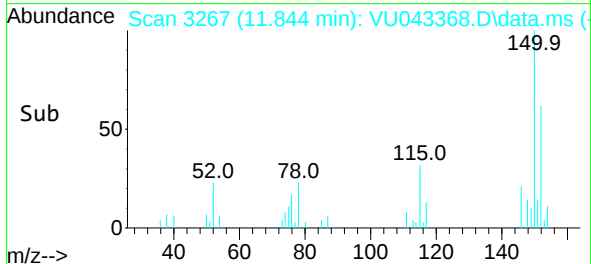
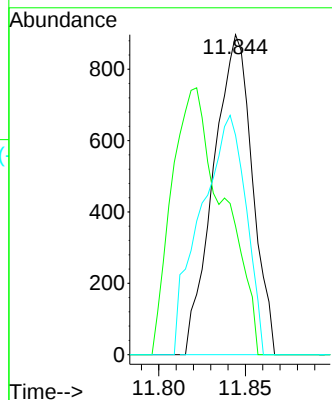
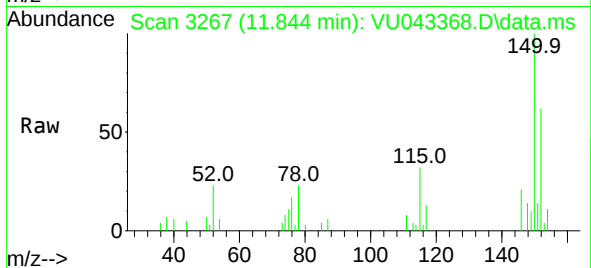




#88
1,4-Dichlorobenzene
Concen: 0.49 ug/l
RT: 11.844 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

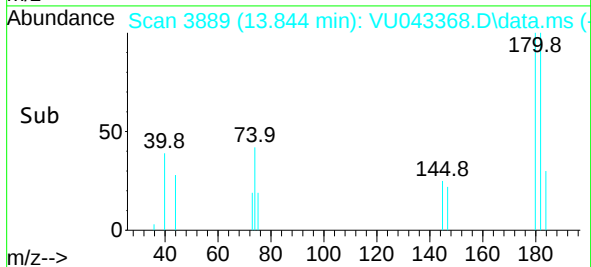
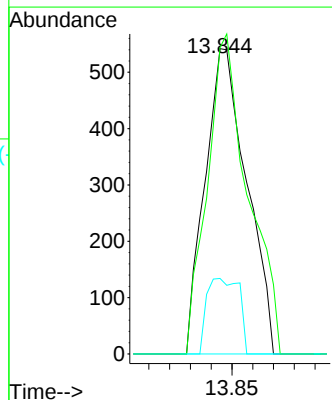
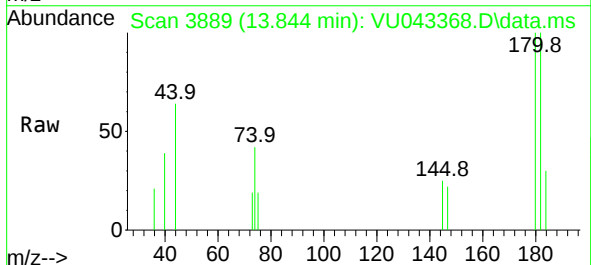
Instrument :
MSVOA_U
ClientSampled :

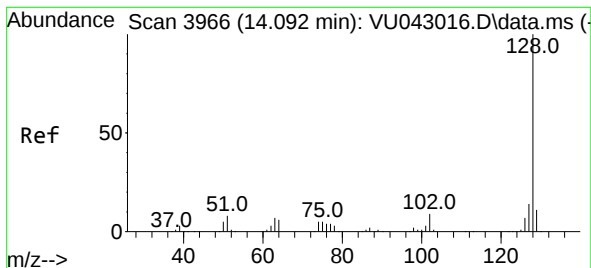
Tgt Ion:146 Resp: 1398
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 87.3 32.8 98.3



#93
1,2,4-Trichlorobenzene
Concen: 1.90 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. -0.004 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

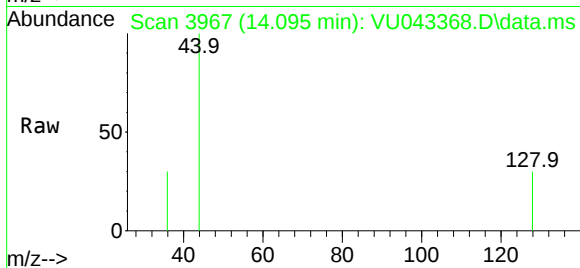
Tgt Ion:180 Resp: 754
Ion Ratio Lower Upper
180 100
182 102.4 46.9 140.8
145 19.1 14.4 43.4



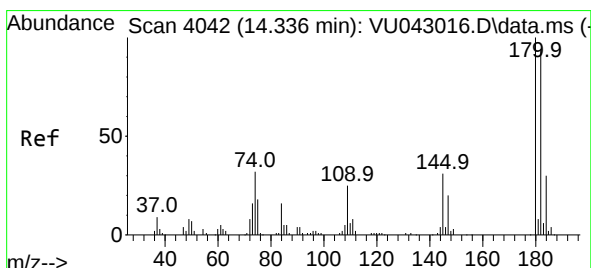
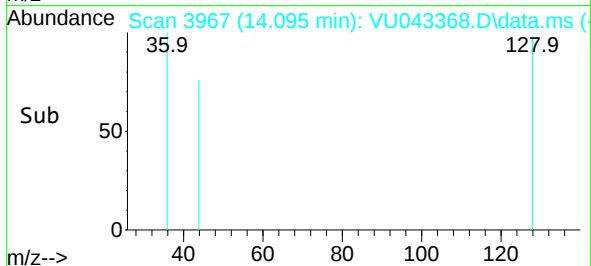
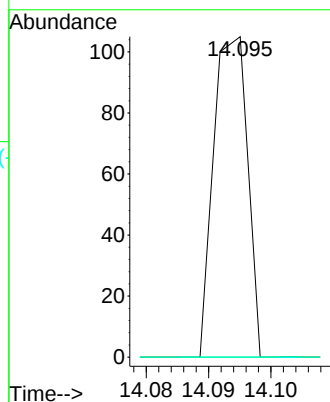


#95
Naphthalene
Concen: 2.75 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13

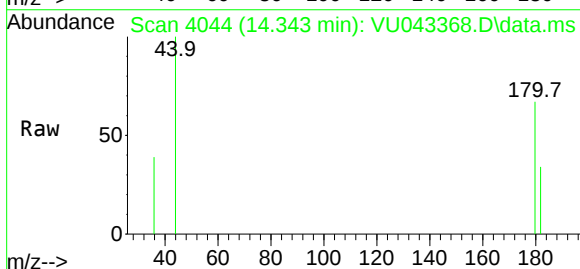
Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 40
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.54 ug/l
RT: 14.343 min Scan# 4044
Delta R.T. 0.007 min
Lab File: VU043368.D
Acq: 28 Apr 2021 01:13



Tgt Ion:180 Resp: 148
Ion Ratio Lower Upper
180 100
182 81.1 48.0 144.0
145 0.0 15.5 46.5#

