

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043378.D
 Acq On : 28 Apr 2021 12:13
 Operator : SY/MD
 Sample : M2173-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 08:36:48 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

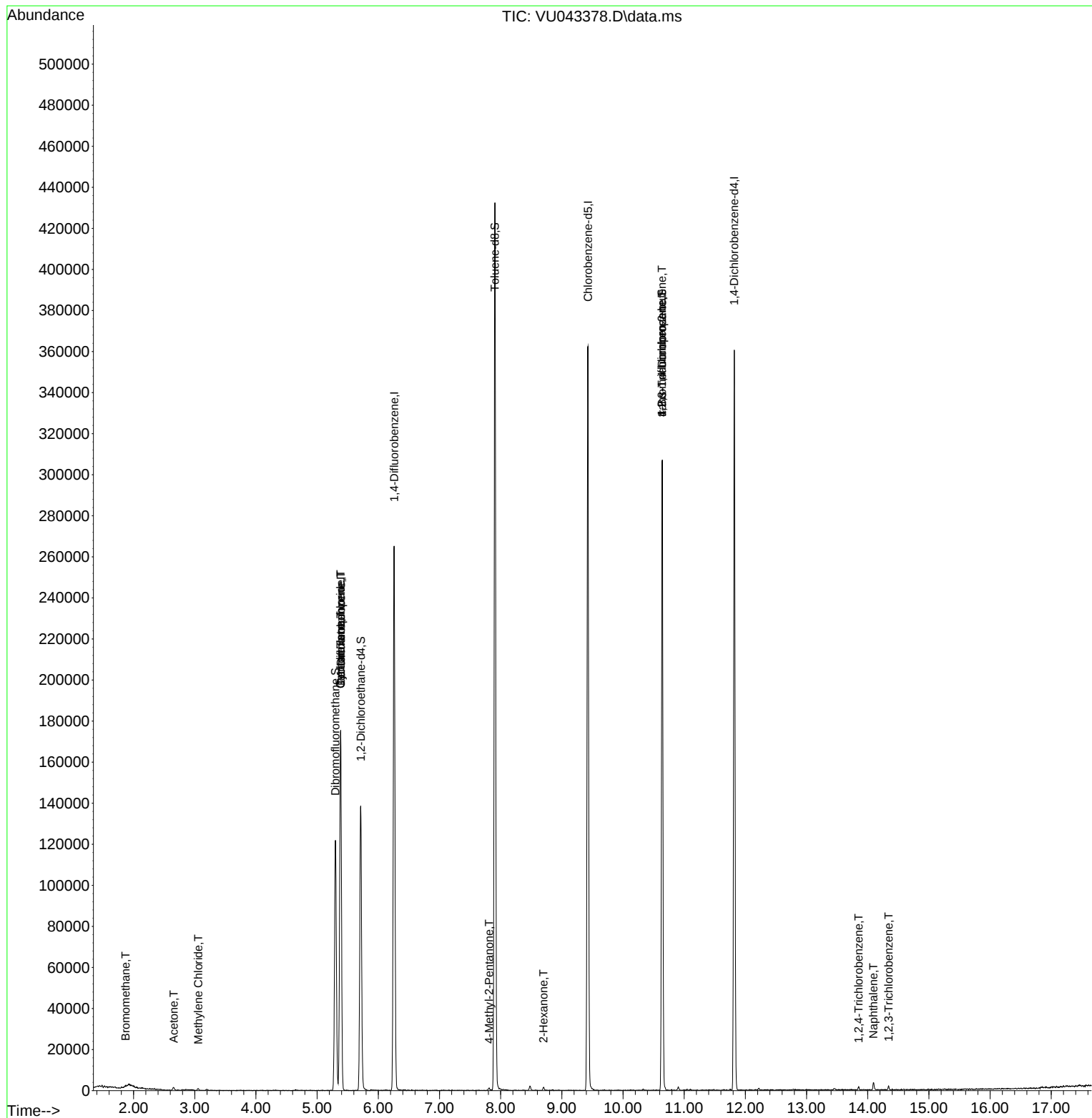
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	118454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	195059	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	183785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	85626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	109381	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	5.298	113	75531	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	7.906	98	265122	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	10.639	95	90284	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	587	Below Cal	#	84
5) Bromomethane	1.871	94	149	0.21	ug/l	98
6) Chloroethane	1.919	64	20	Below Cal	#	42
16) Acetone	2.655	43	2030	1.43	ug/l	92
20) Methylene Chloride	3.057	84	390	0.28	ug/l	# 81
31) Cyclohexane	5.382	56	2941	1.20	ug/l	# 45
36) 1,1-Dichloropropene	5.385	75	10271	4.96	ug/l	# 49
38) Carbon Tetrachloride	5.382	117	12022	5.42	ug/l	# 17
51) 4-Methyl-2-Pentanone	7.813	43	1166	0.31	ug/l	93
59) 2-Hexanone	8.700	43	1477	0.48	ug/l	81
76) 1,2,3-Trichloropropane	10.639	75	51419	20.55	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	10.639	75	51419	60.38	ug/l	# 7
93) 1,2,4-Trichlorobenzene	13.851	180	630	1.82	ug/l	# 89
94) Hexachlorobutadiene	14.034	225	45	Below Cal	#	18
95) Naphthalene	14.092	128	3477	3.27	ug/l	# 92
96) 1,2,3-Trichlorobenzene	14.343	180	795	1.87	ug/l	77

(#) = 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. 0.003 min

Lab File: VU043378.D

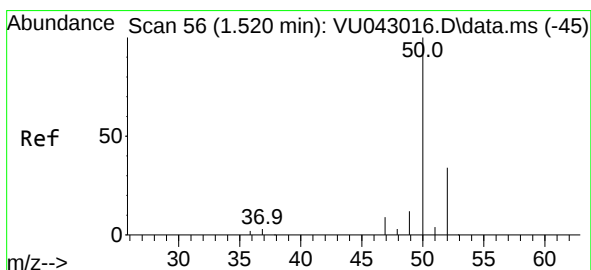
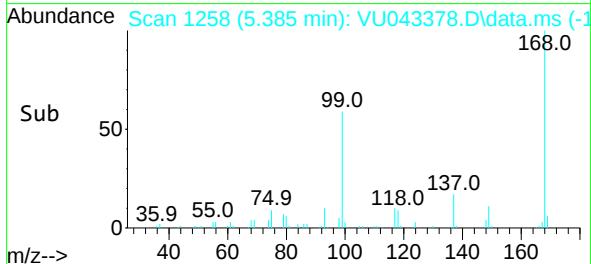
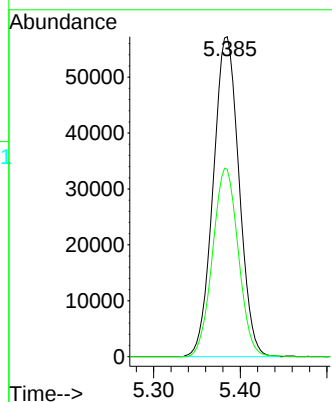
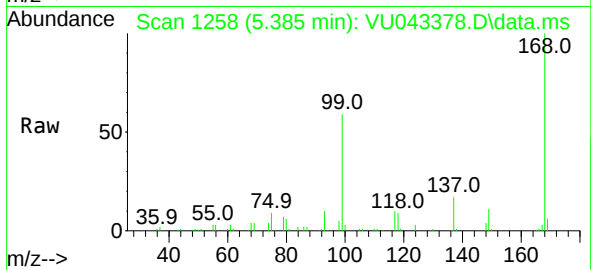
Acq: 28 Apr 2021 12:13

Tgt Ion:168 Resp: 118454

Ion Ratio Lower Upper

168 100

99 58.5 45.0 67.4



#3

Chloromethane

Concen: Below Cal

RT: 1.523 min Scan# 57

Delta R.T. 0.003 min

Lab File: VU043378.D

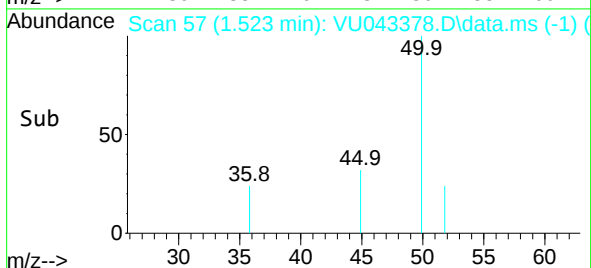
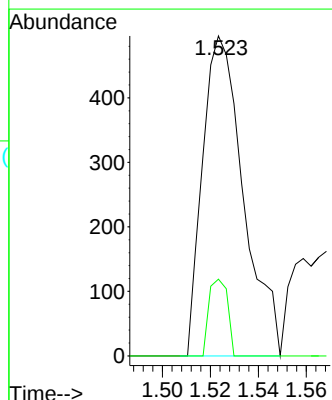
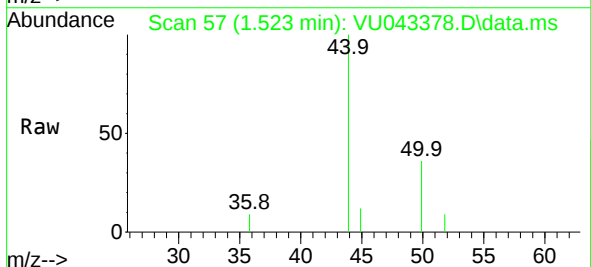
Acq: 28 Apr 2021 12:13

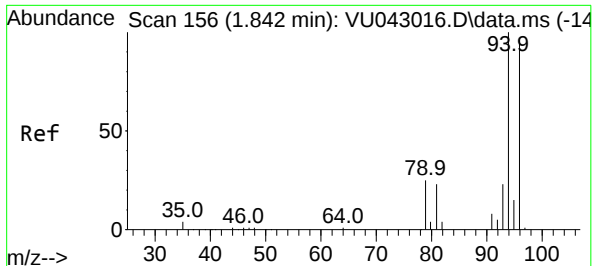
Tgt Ion: 50 Resp: 587

Ion Ratio Lower Upper

50 100

52 24.0 26.6 40.0#

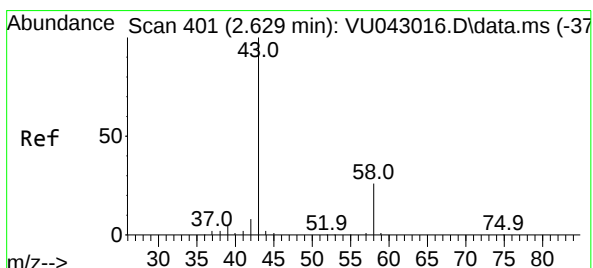
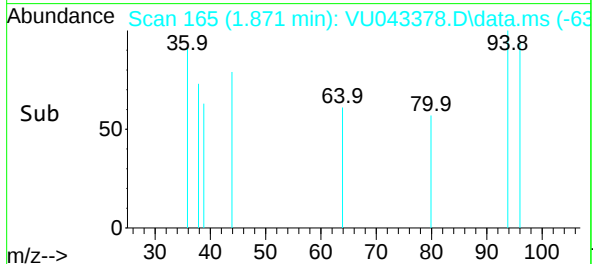
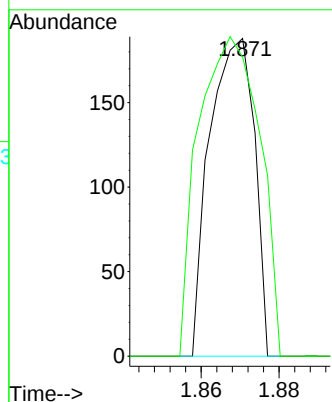
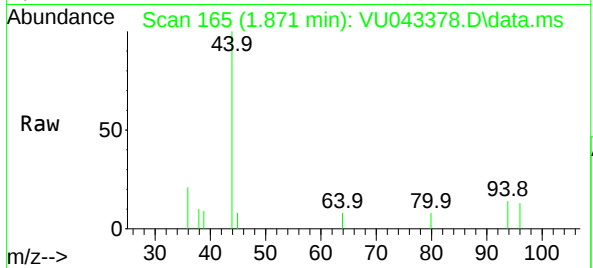




#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.871 min Scan# 165
Delta R.T. 0.029 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

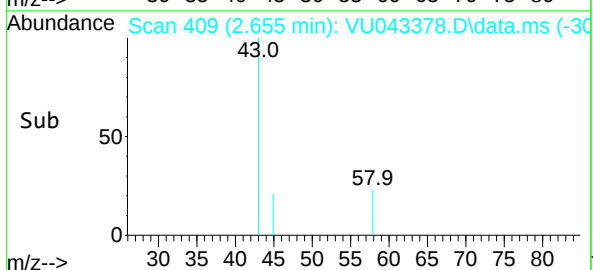
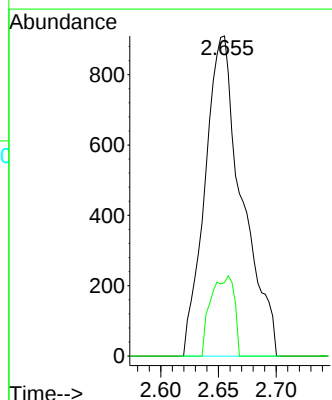
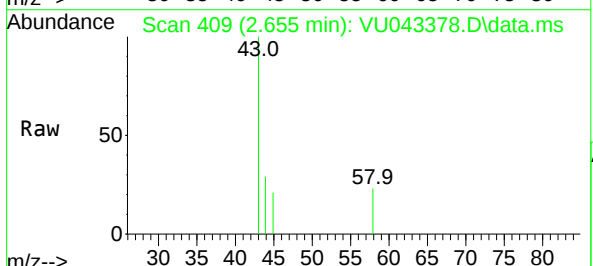
Instrument :
MSVOA_U
ClientSampleId :

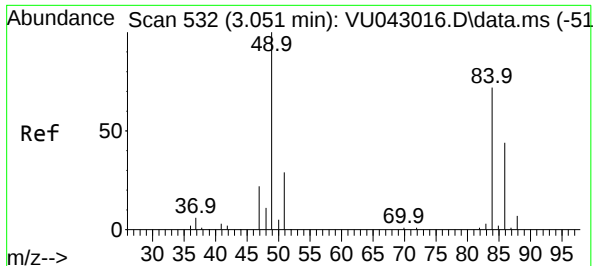
Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 94.1 76.6 115.0



#16
Acetone
Concen: 1.43 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.026 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
58 23.0 21.5 32.3





#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU043378.D

Acq: 28 Apr 2021 12:13

Tgt Ion: 84 Resp: 390

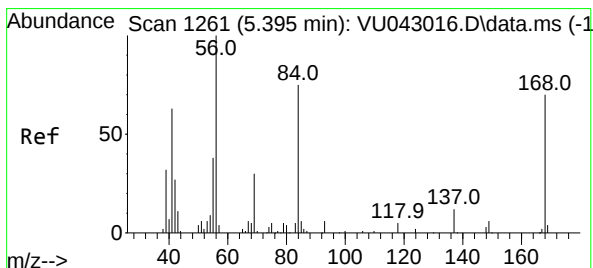
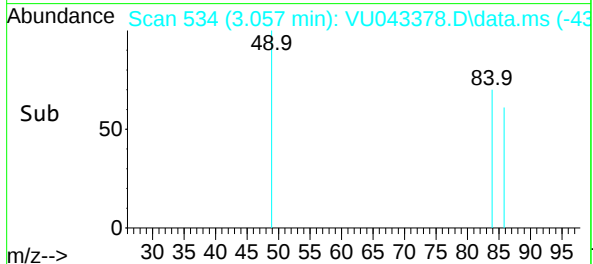
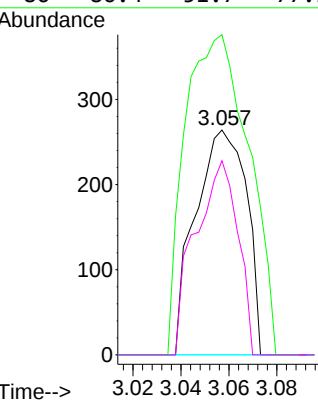
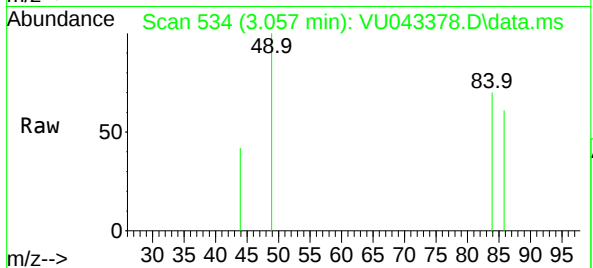
Ion Ratio Lower Upper

84 100

49 142.4 112.6 169.0

51 0.0 33.7 50.5#

86 86.4 51.7 77.5#



#31

Cyclohexane

Concen: 1.20 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU043378.D

Acq: 28 Apr 2021 12:13

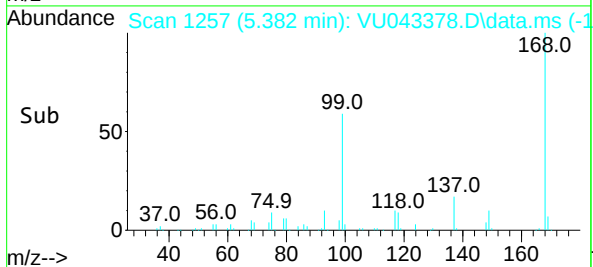
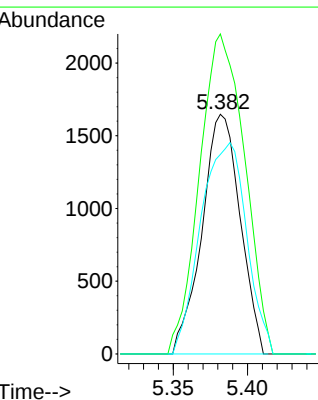
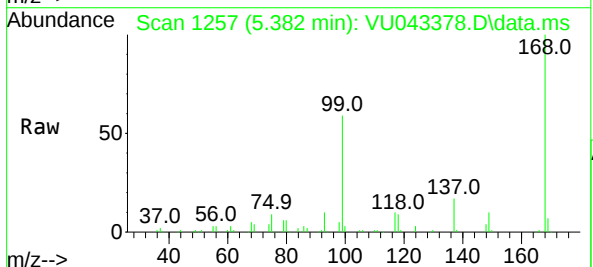
Tgt Ion: 56 Resp: 2941

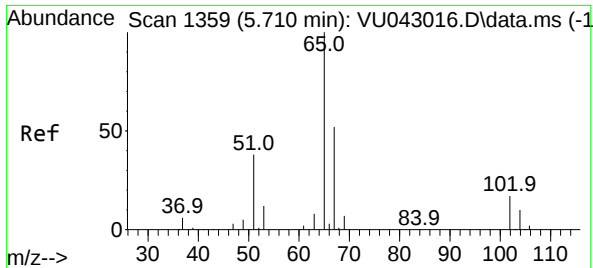
Ion Ratio Lower Upper

56 100

69 133.5 24.9 37.3#

84 83.3 63.7 95.5

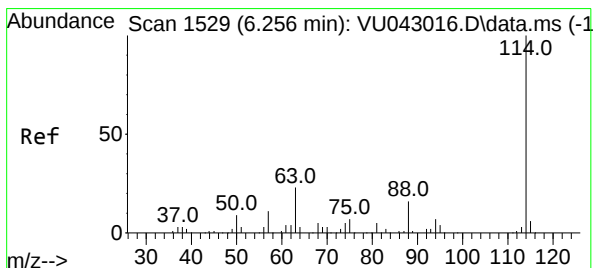
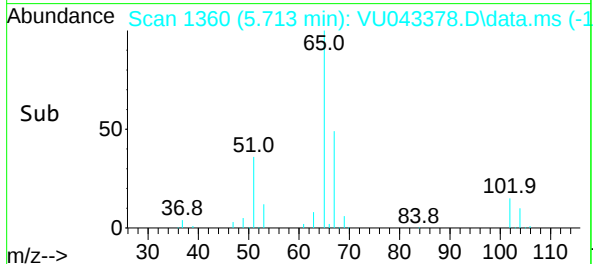
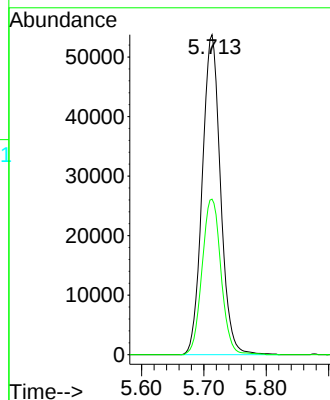
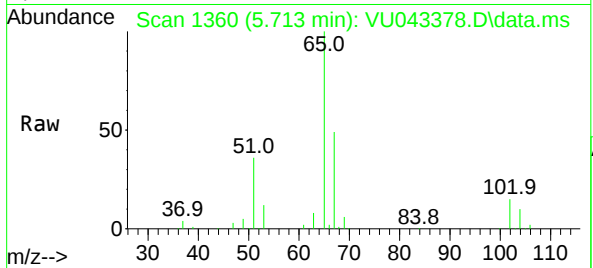




#33
1,2-Dichloroethane-d4
Concen: 54.93 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

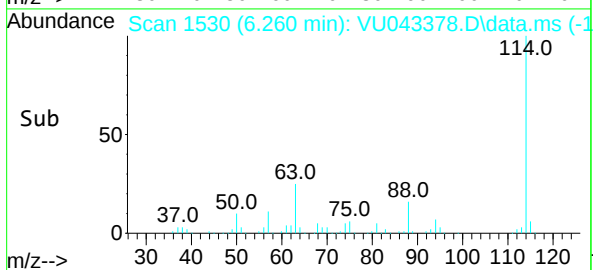
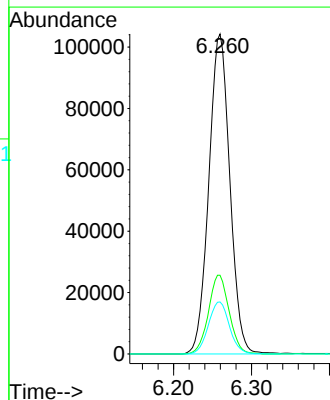
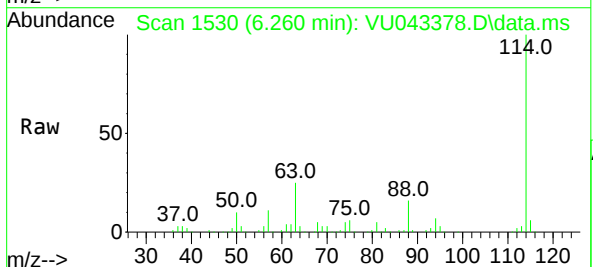
Instrument :
MSVOA_U
ClientSampled :

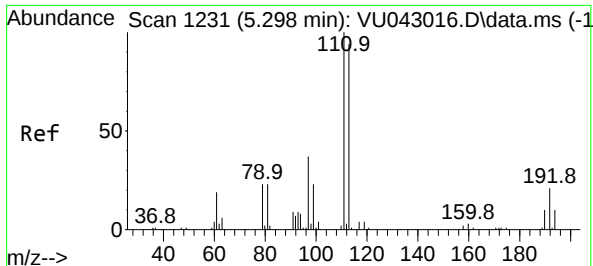
Tgt Ion: 65 Resp: 109381
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

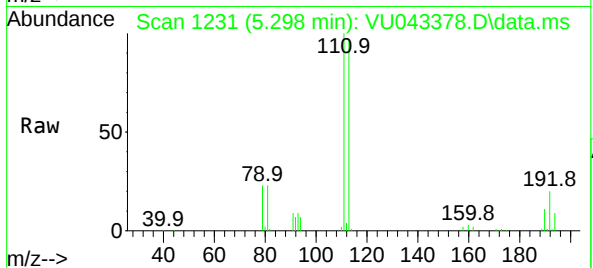
Tgt Ion: 114 Resp: 195059
Ion Ratio Lower Upper
114 100
63 24.6 0.0 44.2
88 16.3 0.0 33.4



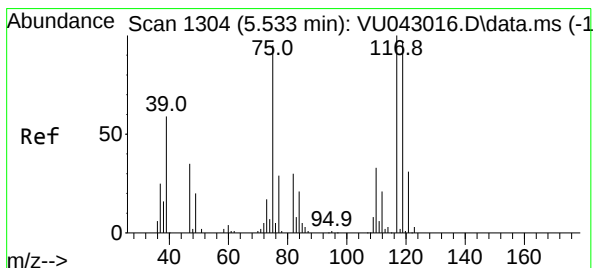
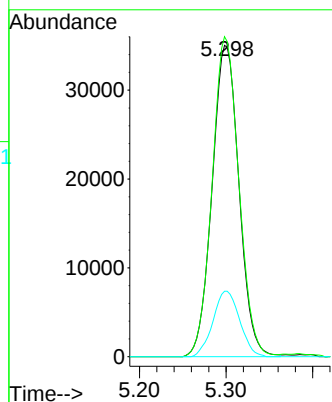
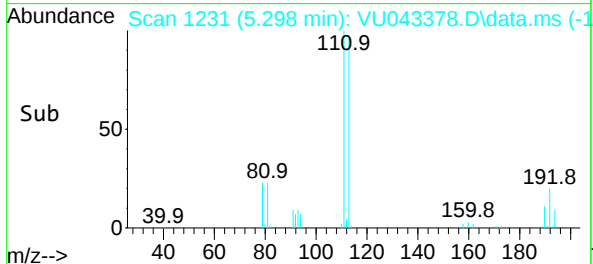


#35
Dibromofluoromethane
Concen: 51.53 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

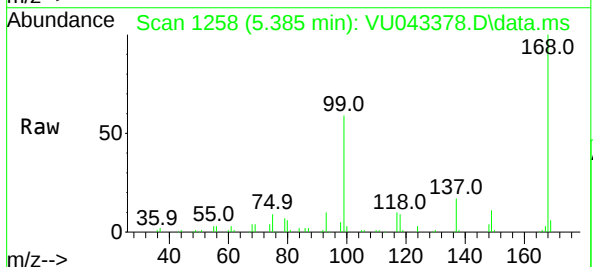
Instrument :
MSVOA_U
ClientSampleId :



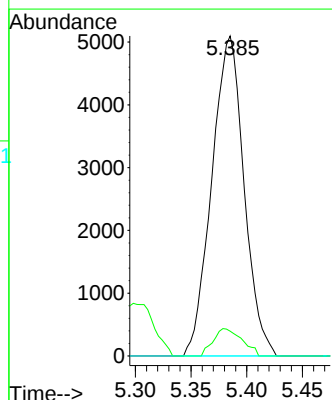
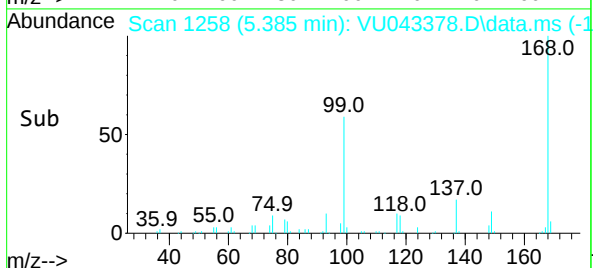
Tgt Ion:113 Resp: 75531
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 20.9 17.2 25.8

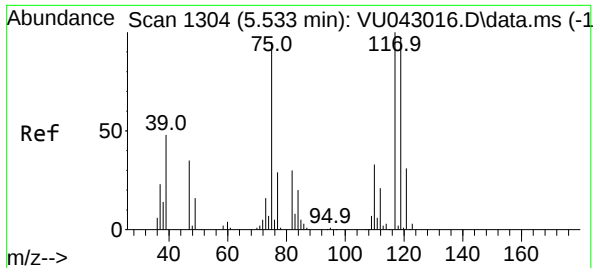


#36
1,1-Dichloropropene
Concen: 4.96 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13



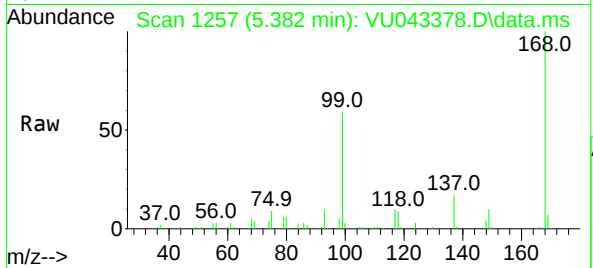
Tgt Ion: 75 Resp: 10271
Ion Ratio Lower Upper
75 100
110 7.6 16.8 50.3#
77 0.0 24.8 37.2#



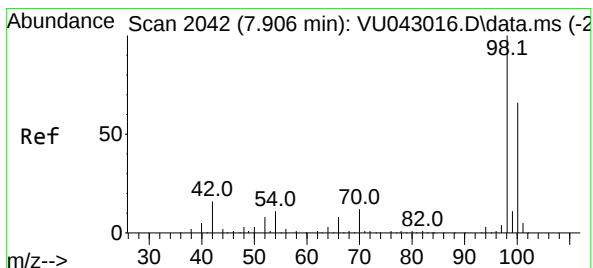
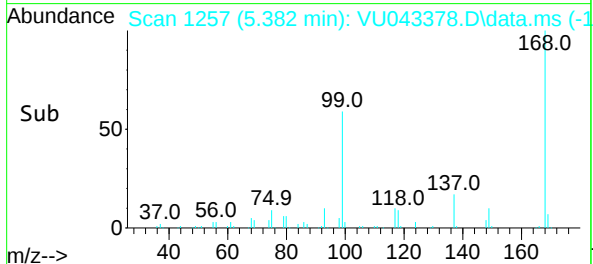
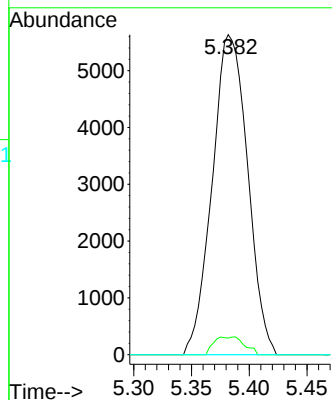


#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Instrument :
MSVOA_U
ClientSampleId :

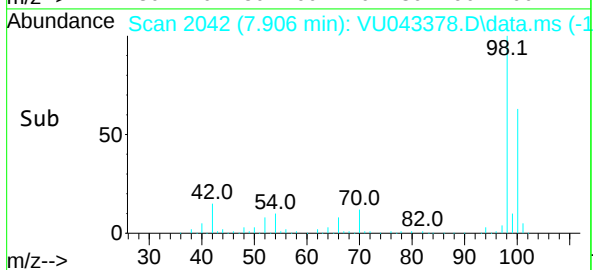
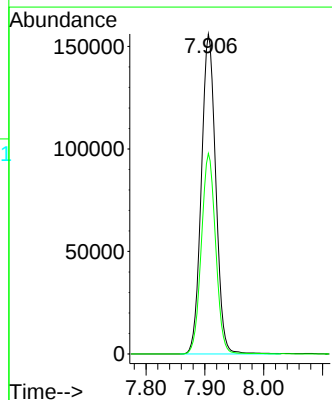
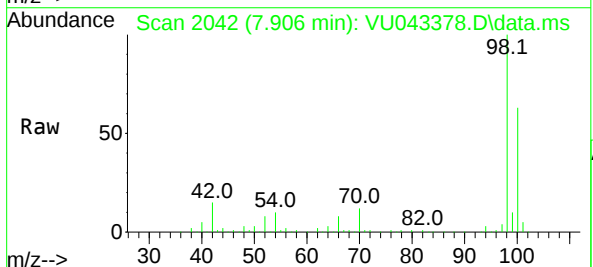


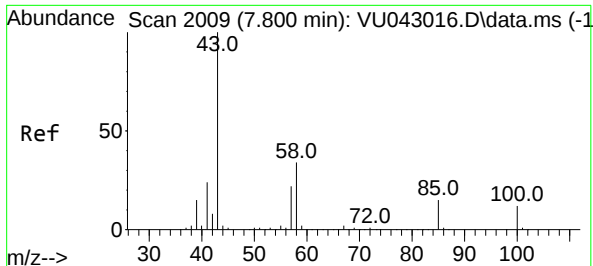
Tgt Ion:117 Resp: 12022
Ion Ratio Lower Upper
117 100
119 5.2 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.12 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Tgt Ion: 98 Resp: 265122
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2

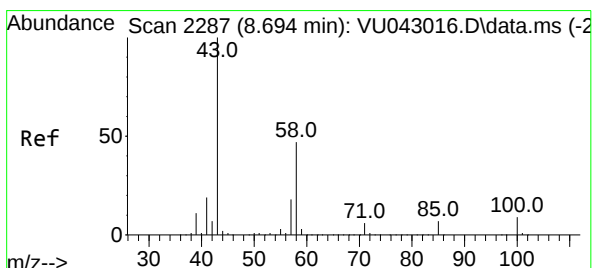
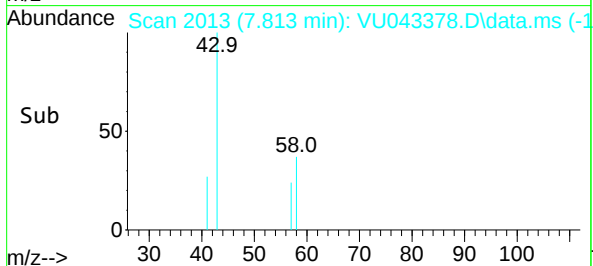
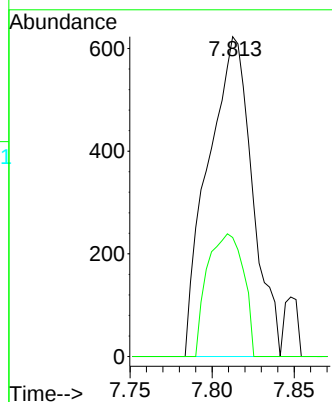
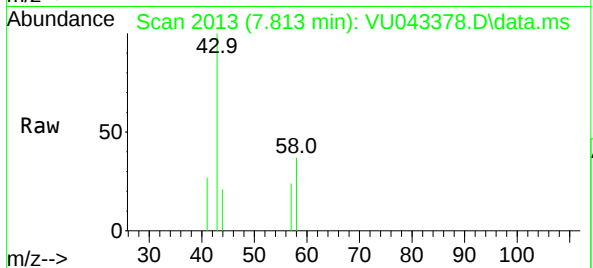




#51
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 7.813 min Scan# 2013
Delta R.T. 0.013 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

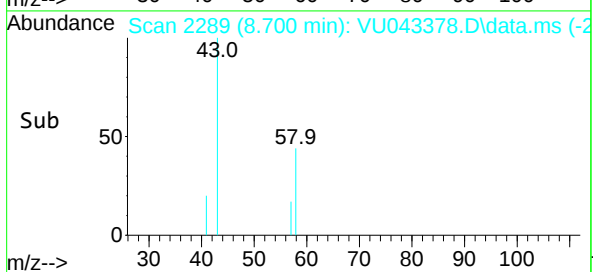
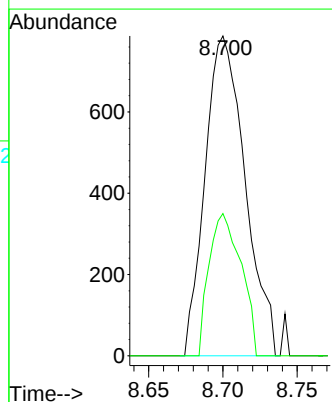
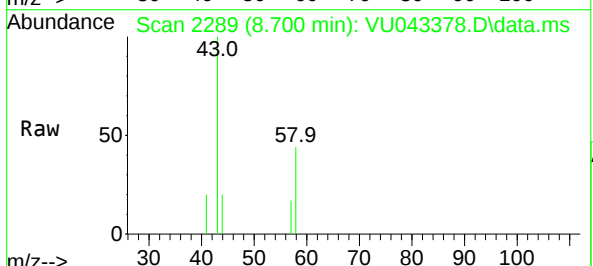
Instrument :
MSVOA_U
ClientSampled :

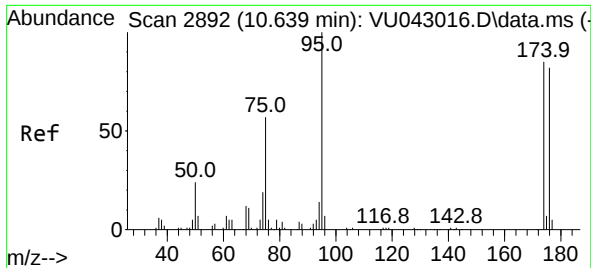
Tgt Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 31.3 28.1 42.1



#59
2-Hexanone
Concen: 0.48 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
58 35.3 24.0 72.0

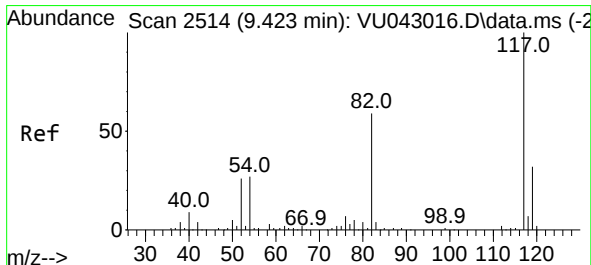
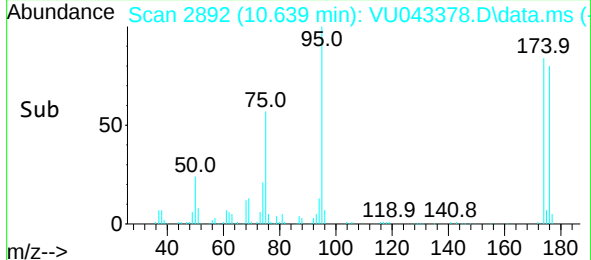
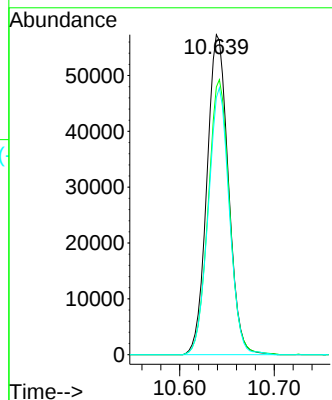
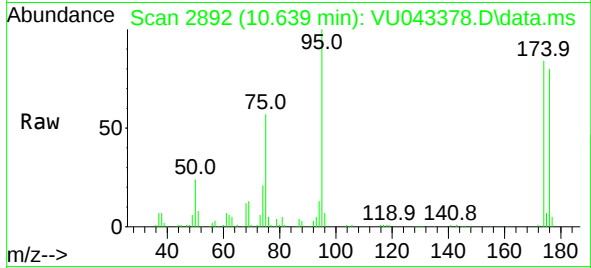




#62
4-Bromofluorobenzene
Concen: 43.47 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

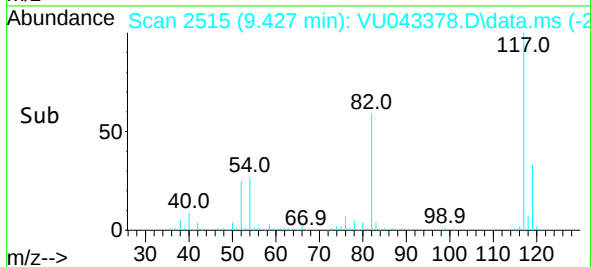
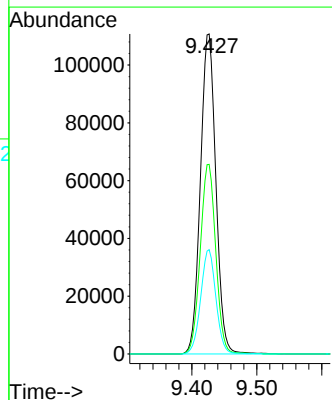
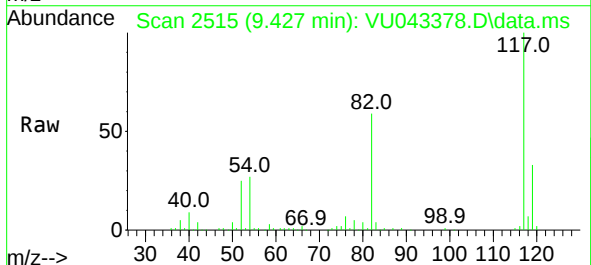
Instrument :
MSVOA_U
ClientSampleId :

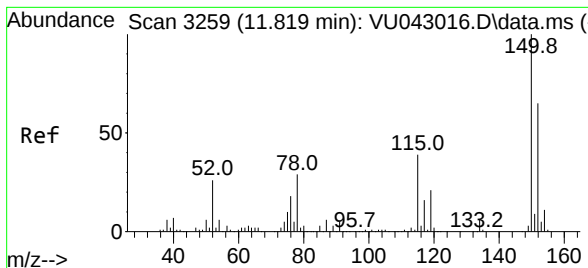
Tgt Ion: 95 Resp: 90284
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.2
176 82.1 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Tgt Ion: 117 Resp: 183785
Ion Ratio Lower Upper
117 100
82 59.3 45.8 68.6
119 32.6 25.8 38.8

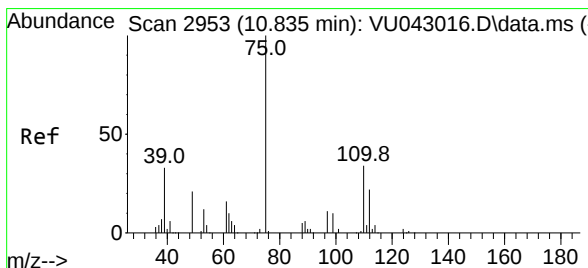
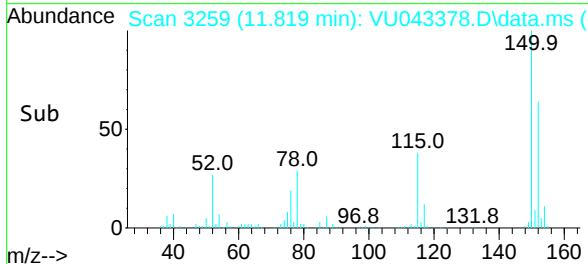
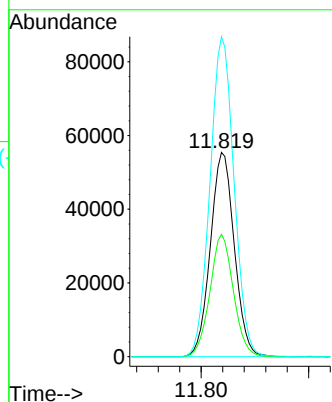
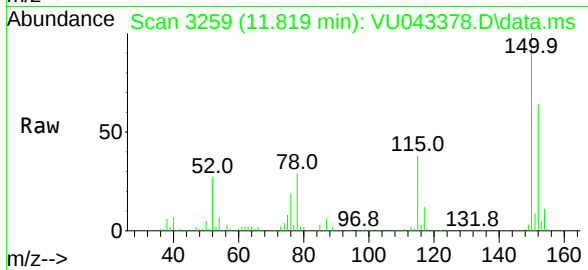




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

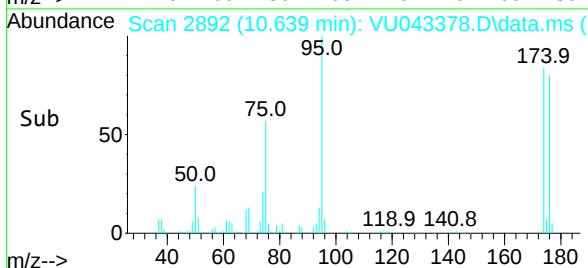
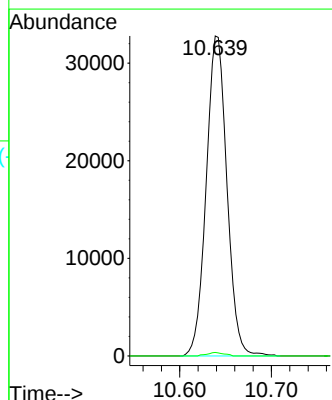
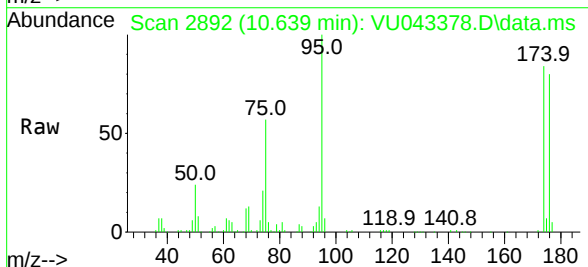
Instrument :
MSVOA_U
ClientSampleId :

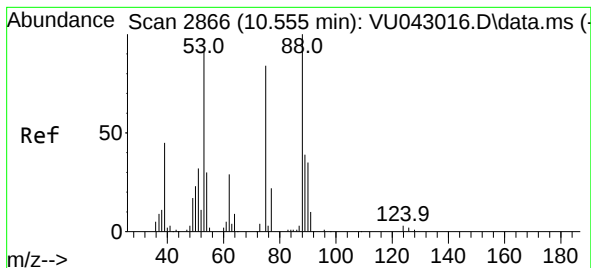
Tgt Ion:152 Resp: 85626
Ion Ratio Lower Upper
152 100
115 58.6 41.5 124.6
150 157.4 0.0 342.4



#76
1,2,3-Trichloropropane
Concen: 20.55 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Tgt Ion: 75 Resp: 51419
Ion Ratio Lower Upper
75 100
77 0.9 20.2 60.5#

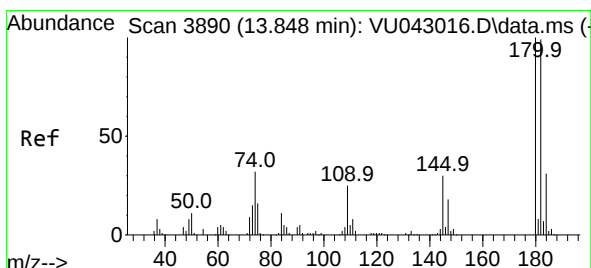
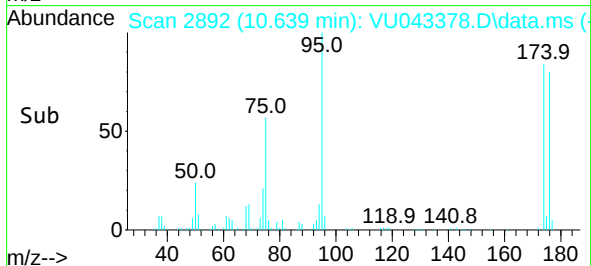
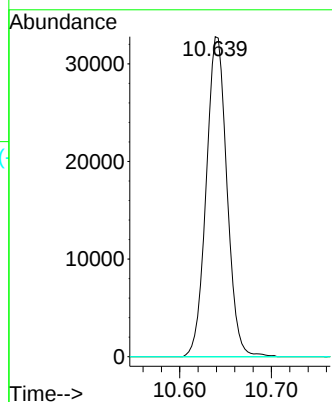
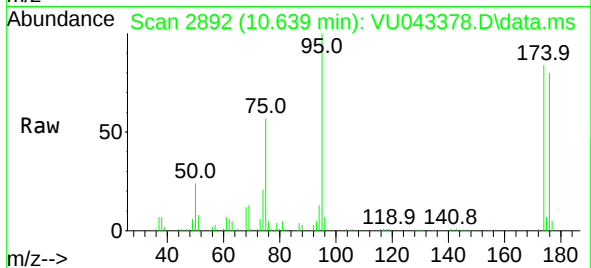




#81
trans-1,4-Dichloro-2-butene
Concen: 60.38 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

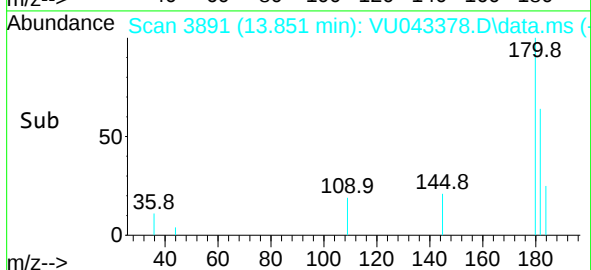
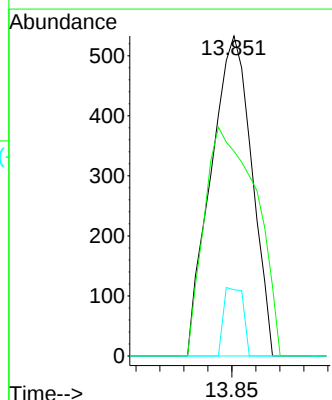
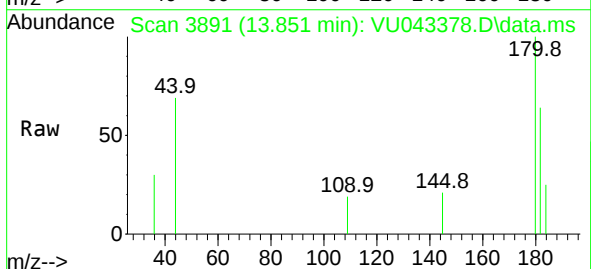
Instrument :
MSVOA_U
ClientSampled :

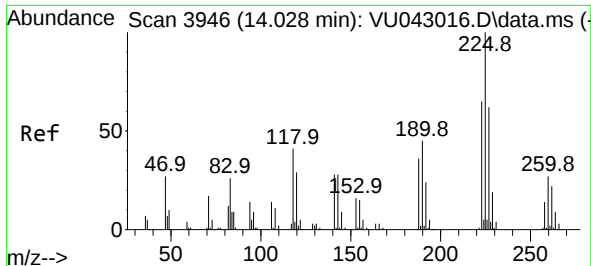
Tgt Ion: 75 Resp: 51419
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.82 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

Tgt Ion:180 Resp: 630
Ion Ratio Lower Upper
180 100
182 90.6 46.9 140.8
145 10.2 14.4 43.4#

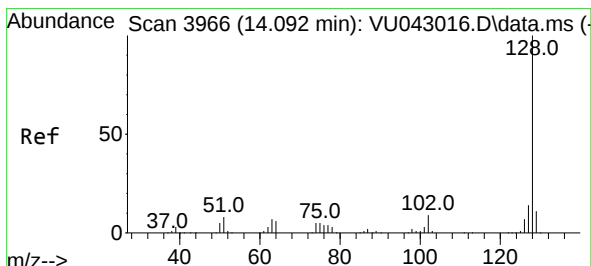
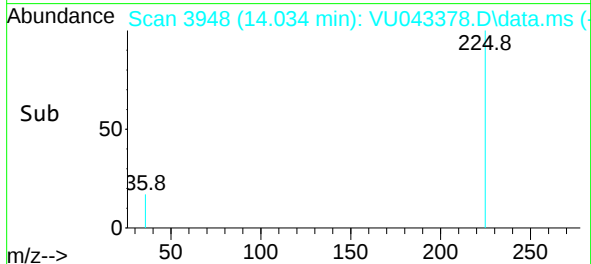
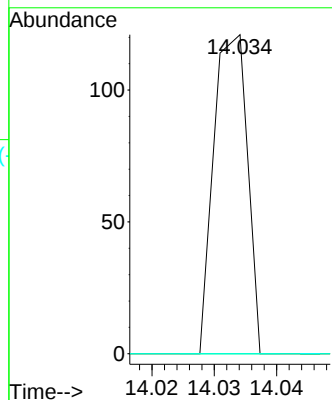
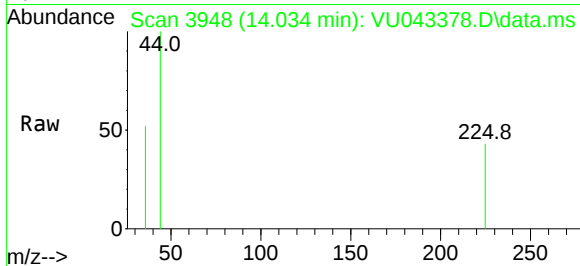




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.034 min Scan# 3948
Delta R.T. 0.006 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

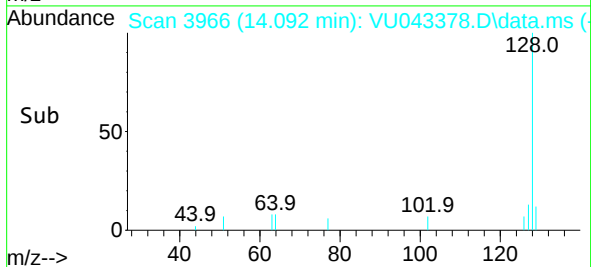
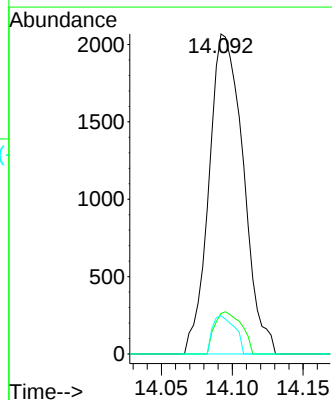
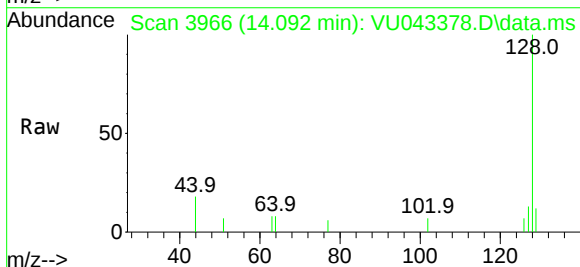
Instrument :
MSVOA_U
ClientSampleId :

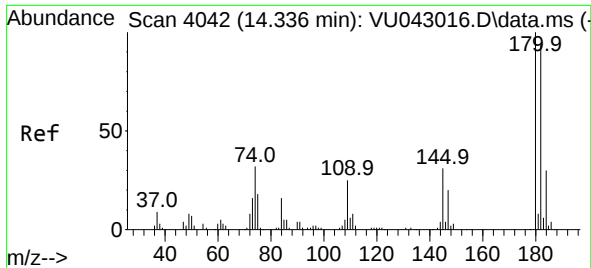
Tgt Ion:225 Resp: 45
Ion Ratio Lower Upper
225 100
223 0.0 32.3 96.9#
227 0.0 31.8 95.4#



#95
Naphthalene
Concen: 3.27 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU043378.D
Acq: 28 Apr 2021 12:13

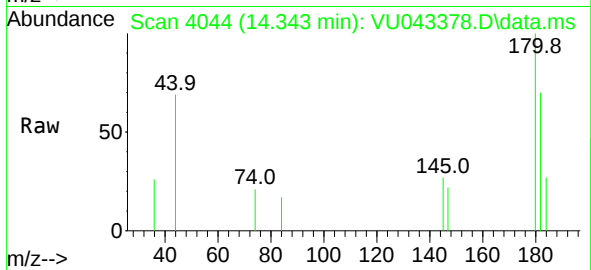
Tgt Ion:128 Resp: 3477
Ion Ratio Lower Upper
128 100
127 10.4 10.8 16.2#
129 7.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.87 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.007 min
 Lab File: VU043378.D
 Acq: 28 Apr 2021 12:13

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 795

Ion	Ratio	Lower	Upper
180	100		
182	74.2	48.0	144.0
145	17.9	15.5	46.5

