

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011123\
 Data File : VD075119.D
 Acq On : 11 Jan 2023 12:34
 Operator : KP/SY
 Sample : 01109-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-011023

Quant Time: Jan 12 04:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

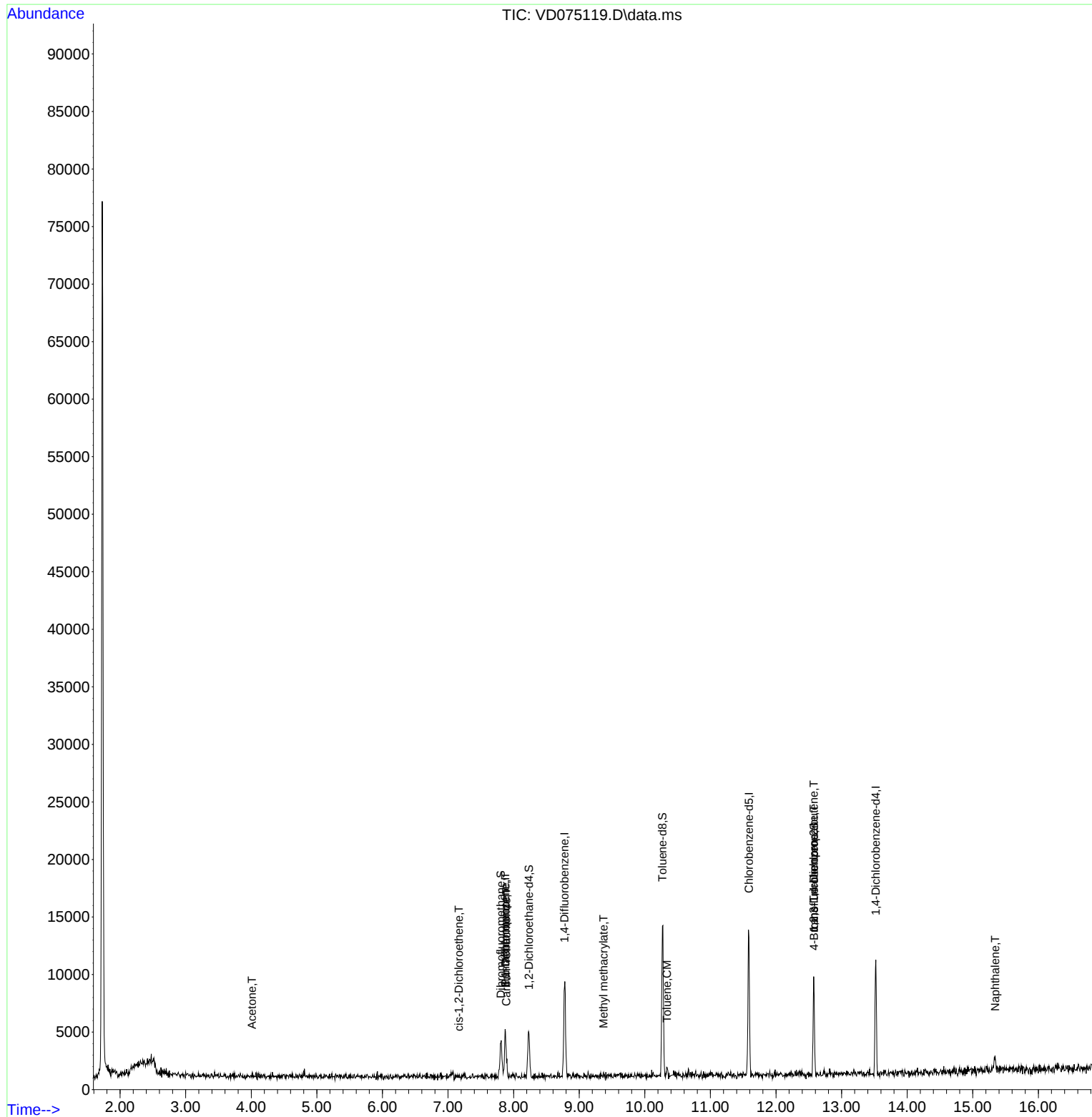
Internal Standards						
1) Pentafluorobenzene	7.875	168	3486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	8405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	7637	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	2965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3281	93.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 187.760%#	
35) Dibromofluoromethane	7.805	113	2449	46.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.640%	
50) Toluene-d8	10.269	98	9923	47.336	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.680%	
62) 4-Bromofluorobenzene	12.581	95	2969	44.125	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.240%	
Target Compounds						
						Qvalue
16) Acetone	4.011	43	147	17.752	ug/l	# 39
20) Methylene Chloride	4.811	84	53	Below Cal	#	10
27) cis-1,2-Dichloroethene	7.163	96	61	1.491	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	72	1.101	ug/l	# 40
38) Carbon Tetrachloride	7.887	117	304	5.305	ug/l	# 12
48) Methyl methacrylate	9.369	41	53	1.869	ug/l	# 10
52) Toluene	10.340	92	248	1.960	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	1556	54.999	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	1556	146.064	ug/l	# 15
95) Naphthalene	15.339	128	1796	16.355	ug/l	# 73

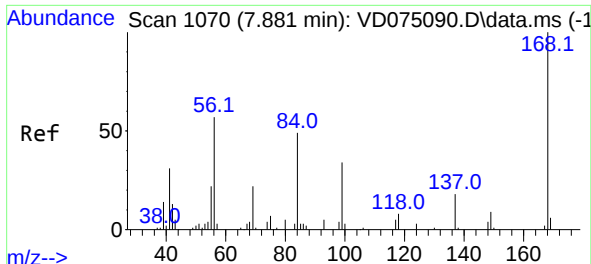
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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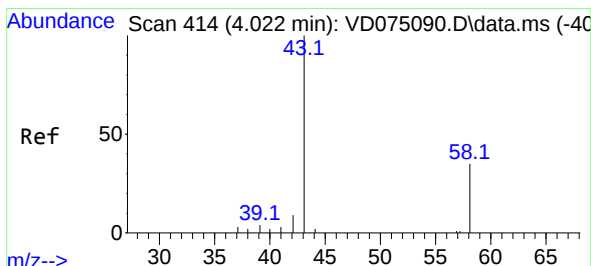
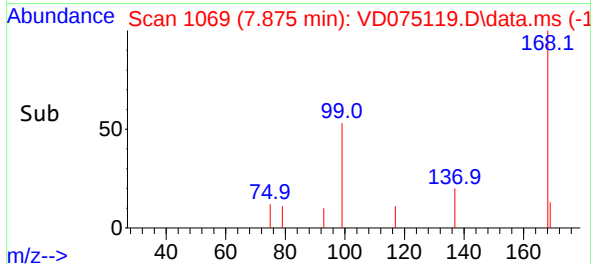
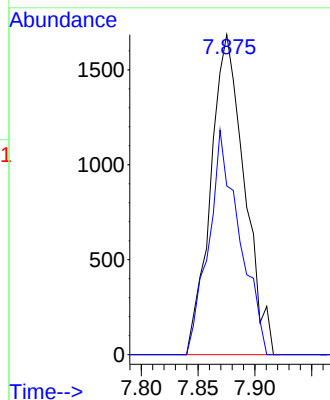
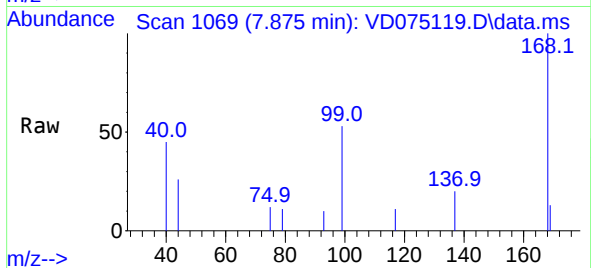




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

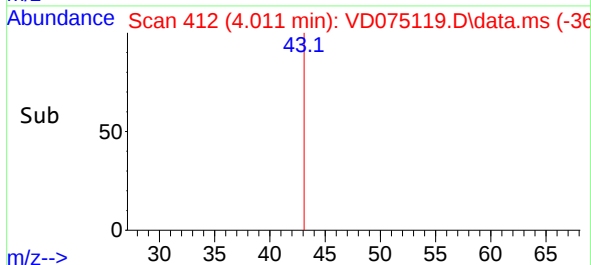
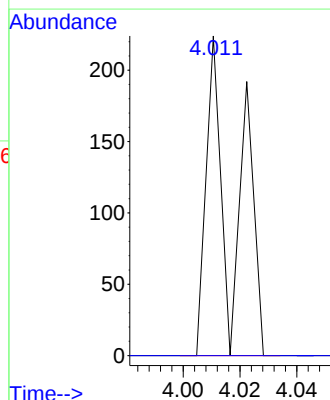
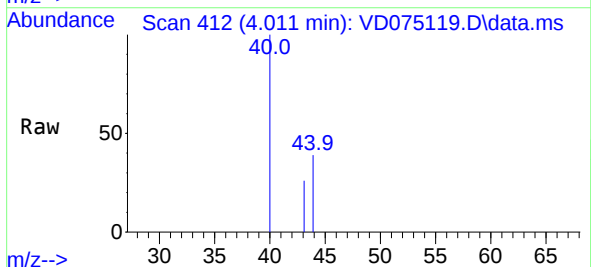
Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

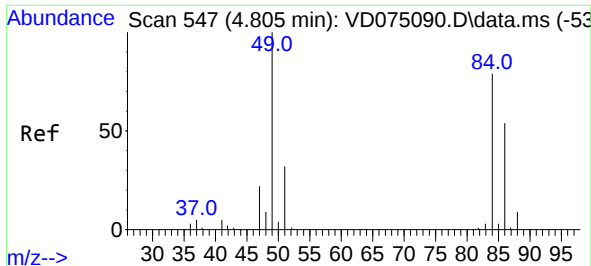
Tgt Ion:168 Resp: 3486
Ion Ratio Lower Upper
168 100
99 52.8 43.2 64.8



#16
Acetone
Concen: 17.752 ug/l
RT: 4.011 min Scan# 412
Delta R.T. -0.012 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#

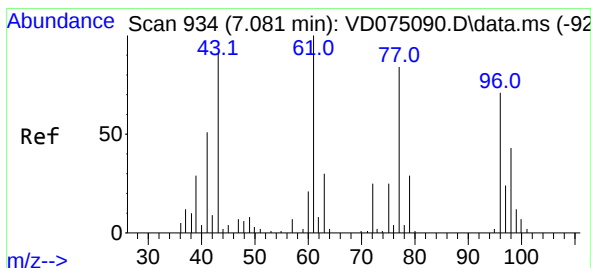
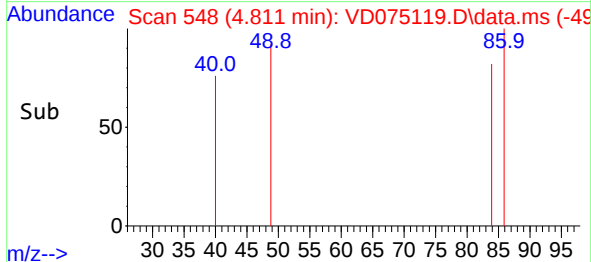
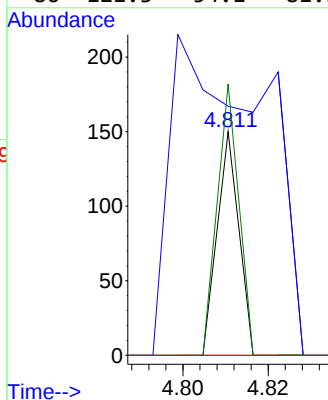
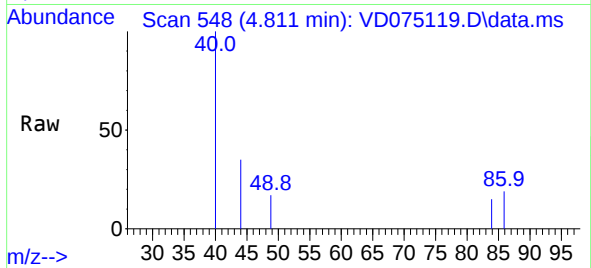




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

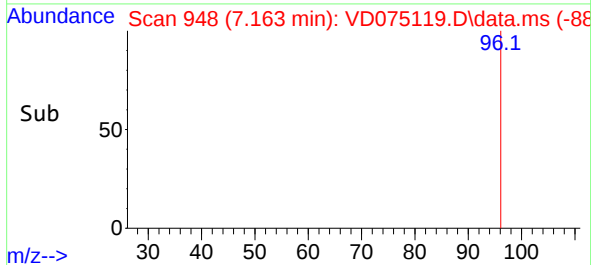
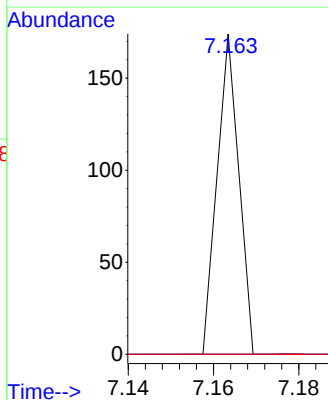
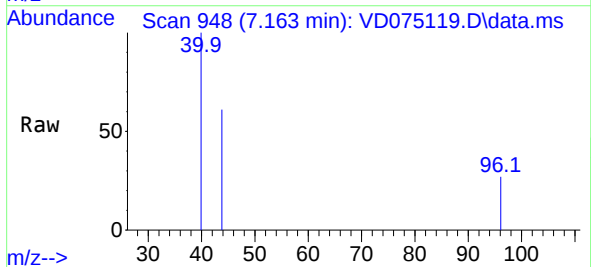
Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

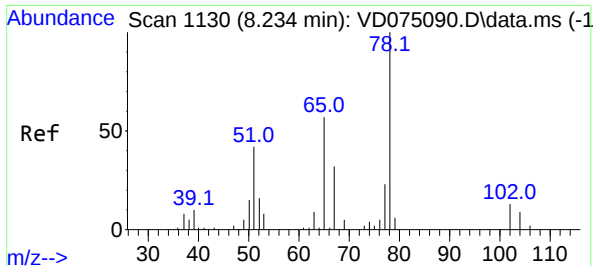
Tgt Ion:	84	Resp:	53
Ion	Ratio	Lower	Upper
84	100		
49	0.0	100.6	151.0#
51	0.0	31.8	47.8#
86	121.3	54.1	81.1#



#27
cis-1,2-Dichloroethene
Concen: 1.491 ug/l
RT: 7.163 min Scan# 948
Delta R.T. 0.083 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion:	96	Resp:	61
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	282.4
98	0.0	0.0	126.2

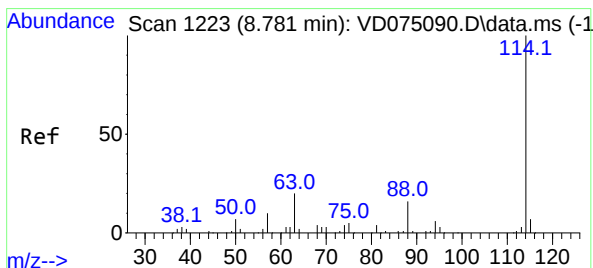
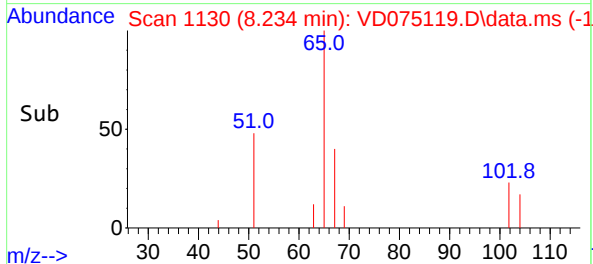
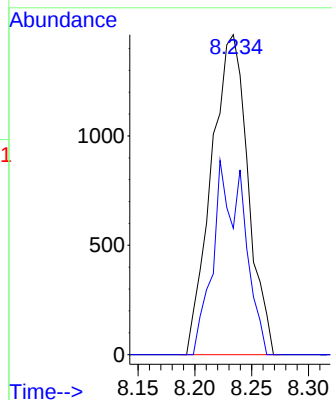
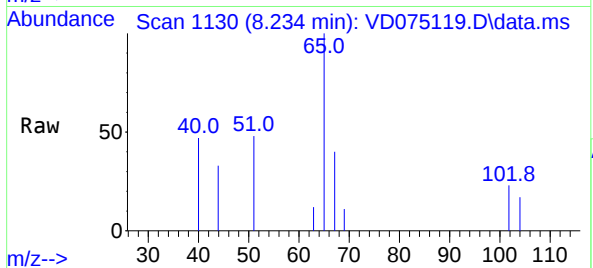




#33
1,2-Dichloroethane-d4
Concen: 93.880 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

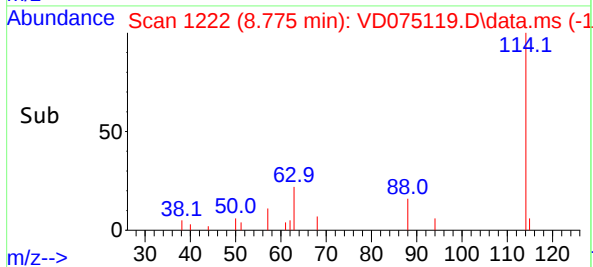
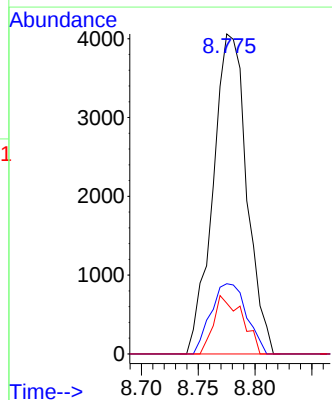
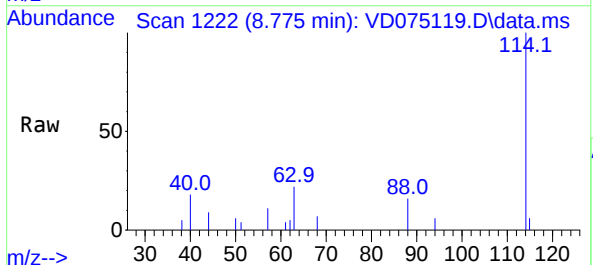
Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

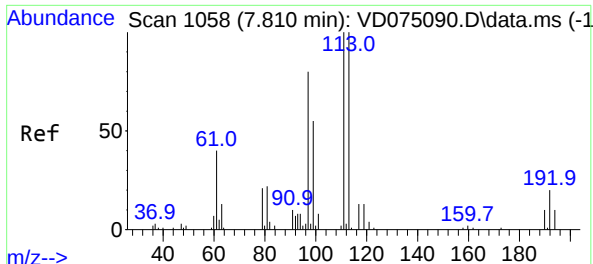
Tgt Ion: 65 Resp: 3281
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion: 114 Resp: 8405
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.0
88 15.8 0.0 31.2

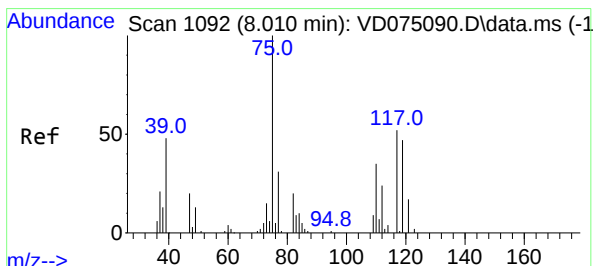
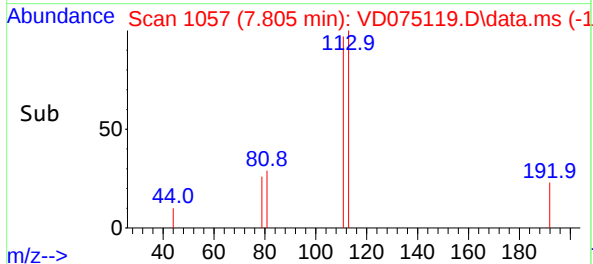
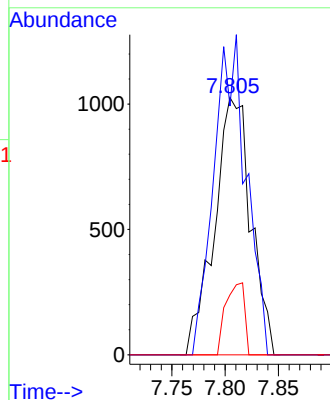
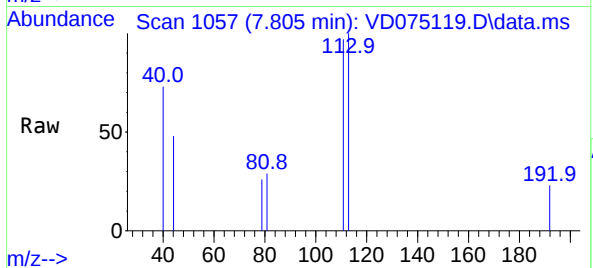




#35
Dibromofluoromethane
Concen: 46.321 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

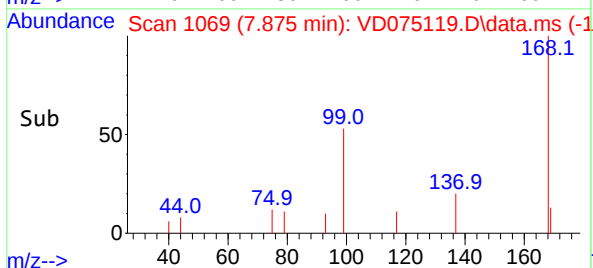
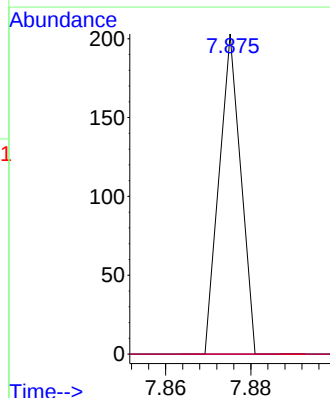
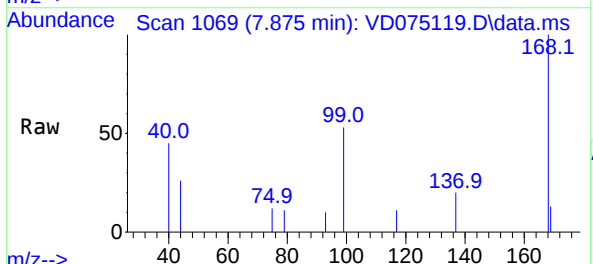
Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

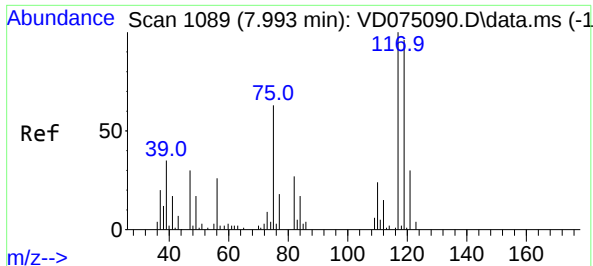
Tgt Ion:113 Resp: 2449
Ion Ratio Lower Upper
113 100
111 110.1 83.2 124.8
192 14.3 15.0 22.6#



#36
1,1-Dichloropropene
Concen: 1.101 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

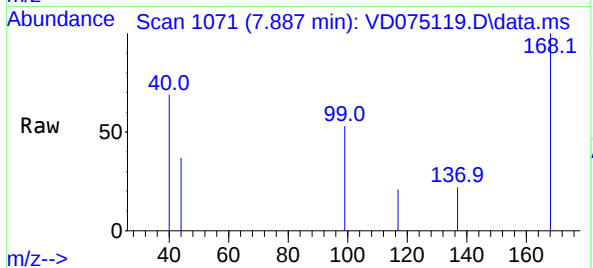
Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.3#
77 0.0 25.3 37.9#



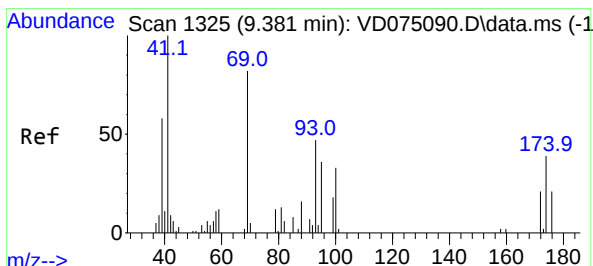
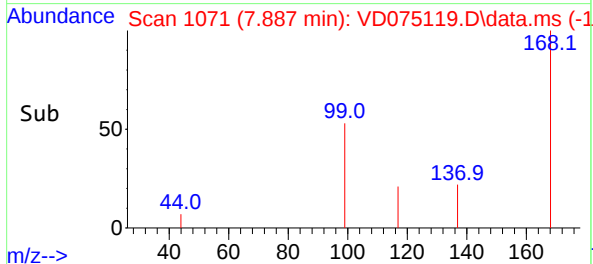
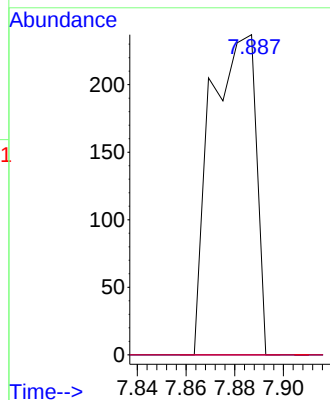


#38
Carbon Tetrachloride
Concen: 5.305 ug/l
RT: 7.887 min Scan# 1089
Delta R.T. -0.106 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

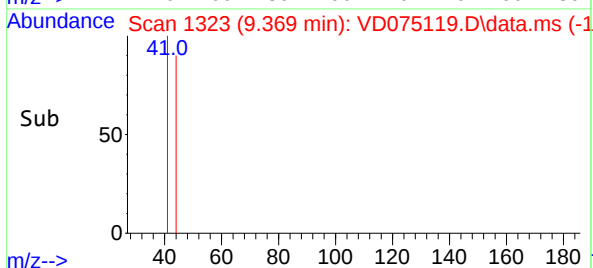
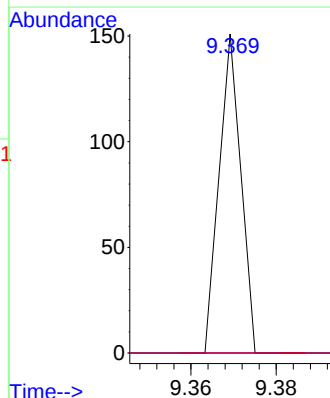
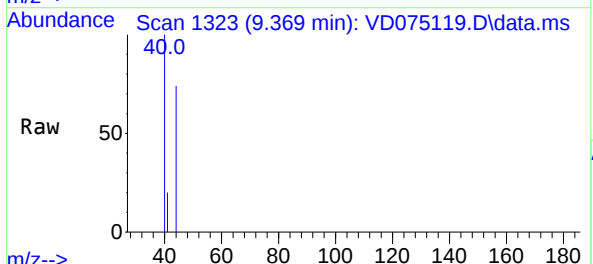


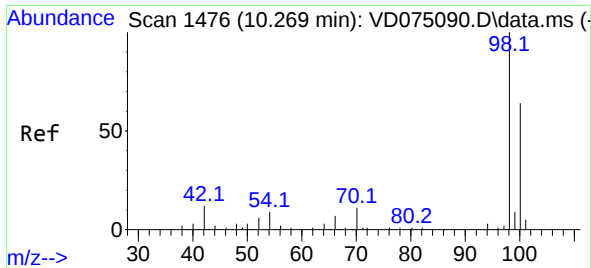
Tgt Ion:117 Resp: 304
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 23.8 35.8#



#48
Methyl methacrylate
Concen: 1.869 ug/l
RT: 9.369 min Scan# 1323
Delta R.T. -0.012 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 50.6 76.0#

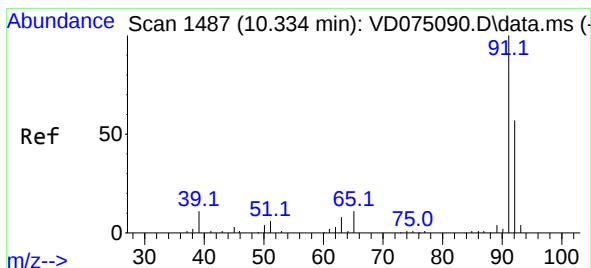
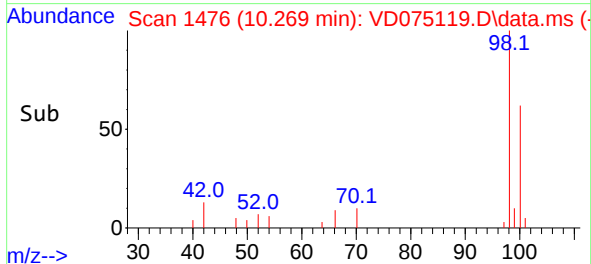
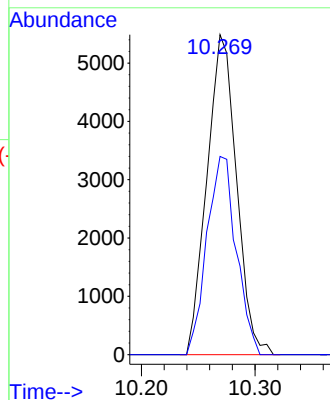
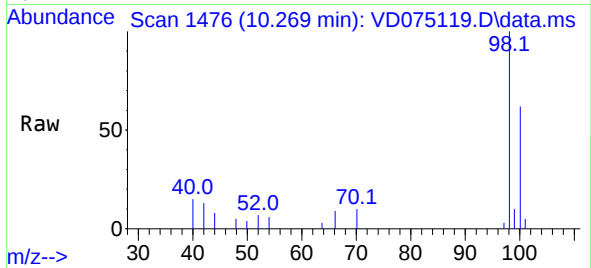




#50
Toluene-d8
Concen: 47.336 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

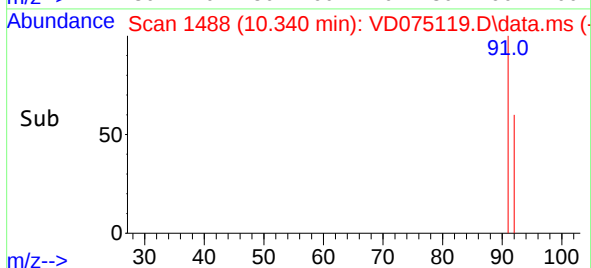
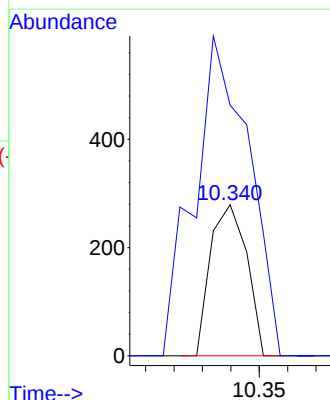
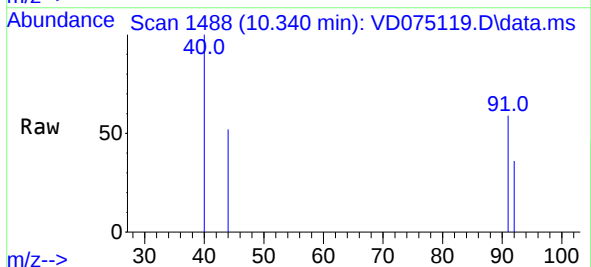
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MSVOA_D
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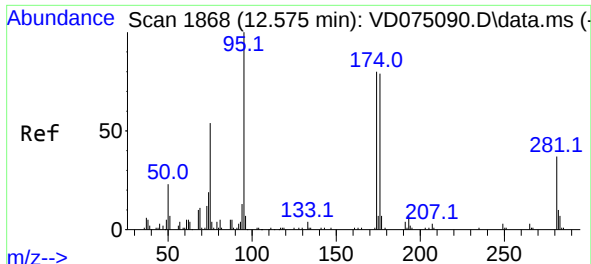
Tgt Ion: 98 Resp: 9923
Ion Ratio Lower Upper
98 100
100 61.5 52.4 78.6



#52
Toluene
Concen: 1.960 ug/l
RT: 10.340 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion: 92 Resp: 248
Ion Ratio Lower Upper
92 100
91 318.1 140.1 210.1#

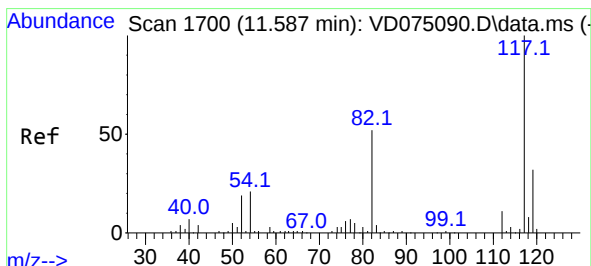
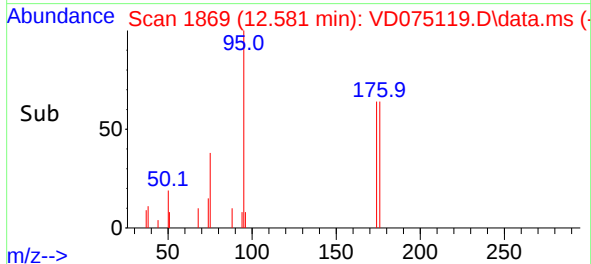
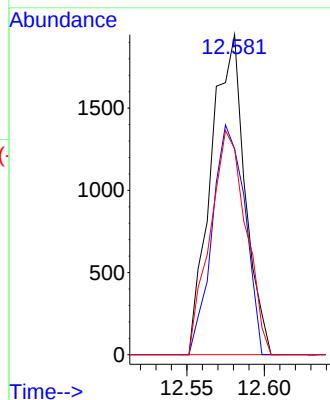
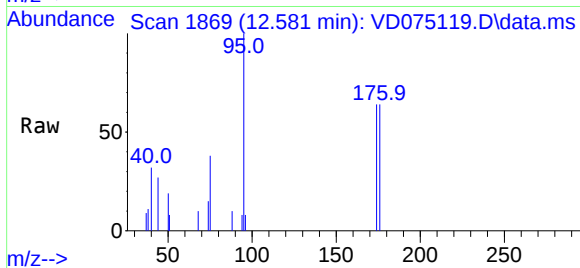




#62
4-Bromofluorobenzene
Concen: 44.125 ug/l
RT: 12.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

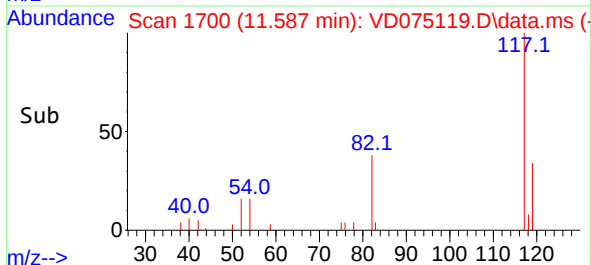
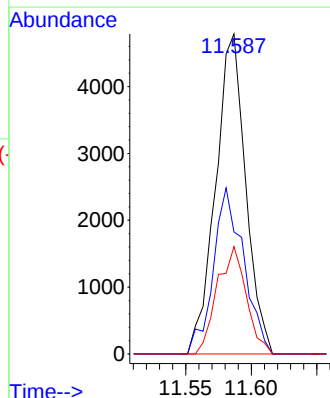
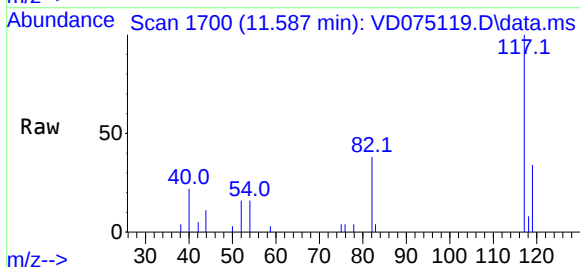
Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

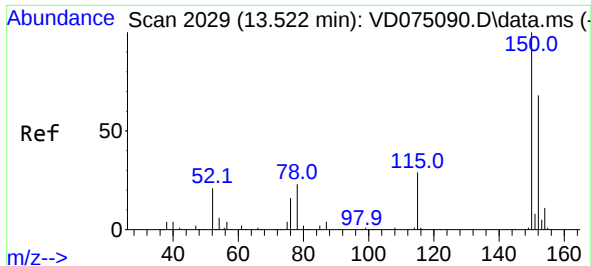
Tgt Ion:	95	Resp:	2969
Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	168.4
176	74.0	0.0	163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion:	117	Resp:	7637
Ion	Ratio	Lower	Upper
117	100		
82	38.2	41.3	61.9#
119	33.5	25.8	38.6

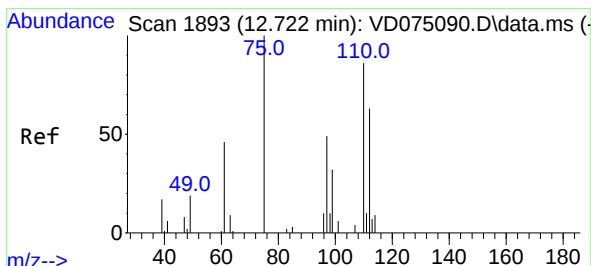
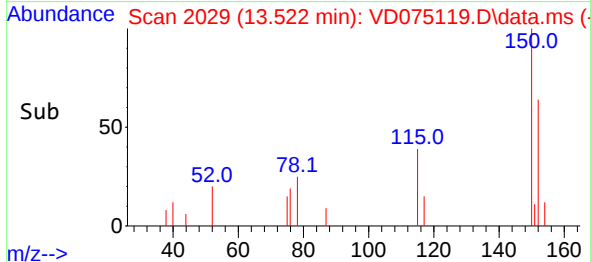
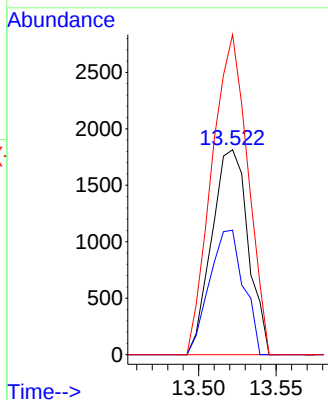
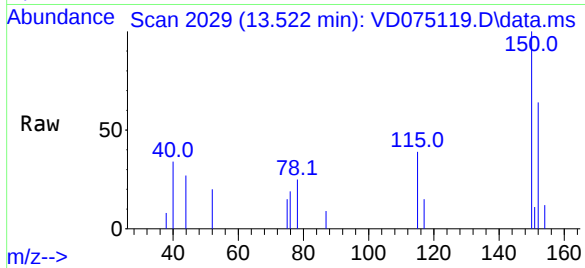




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

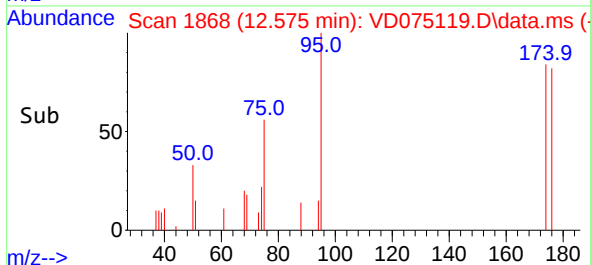
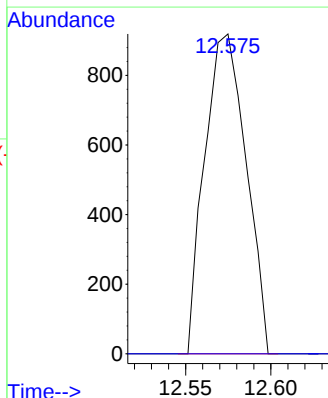
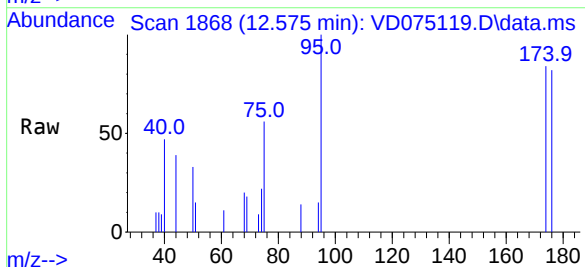
Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

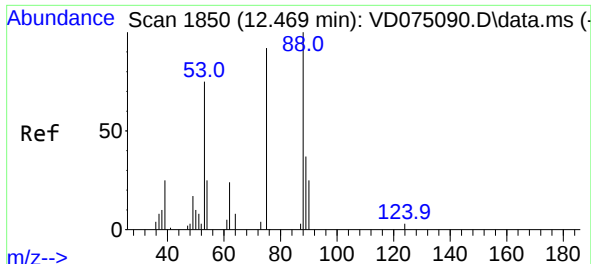
Tgt Ion:152 Resp: 2965
Ion Ratio Lower Upper
152 100
115 57.2 28.7 86.1
150 154.6 0.0 343.2



#76
1,2,3-Trichloropropane
Concen: 54.999 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion: 75 Resp: 1556
Ion Ratio Lower Upper
75 100
77 0.0 149.0 447.1#

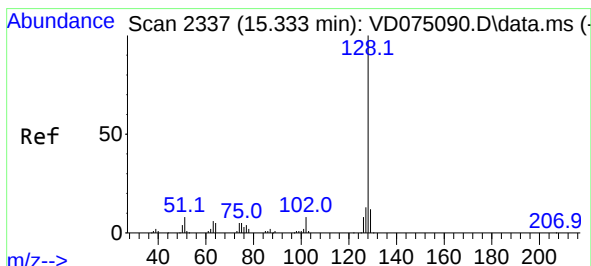
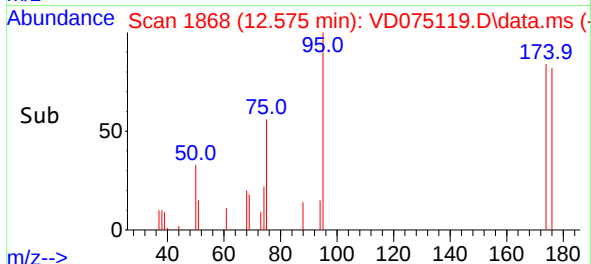
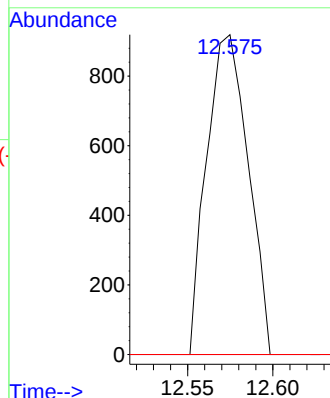
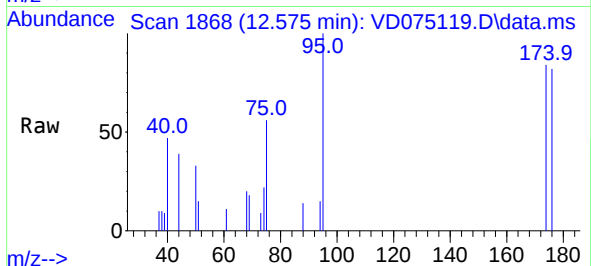




#81
trans-1,4-Dichloro-2-butene
Concen: 146.064 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Instrument :
MSVOA_D
ClientSampleId :
OR-03-011023

Tgt Ion: 75 Resp: 1556
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#



#95
Naphthalene
Concen: 16.355 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD075119.D
Acq: 11 Jan 2023 12:34

Tgt Ion: 128 Resp: 1796
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.1 8.9 13.3#

