

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
 Data File : VD071686.D
 Acq On : 12 Jan 2022 15:08
 Operator : VA/SY
 Sample : N1097-10
 Misc : 4.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2D

Quant Time: Jan 13 05:29:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

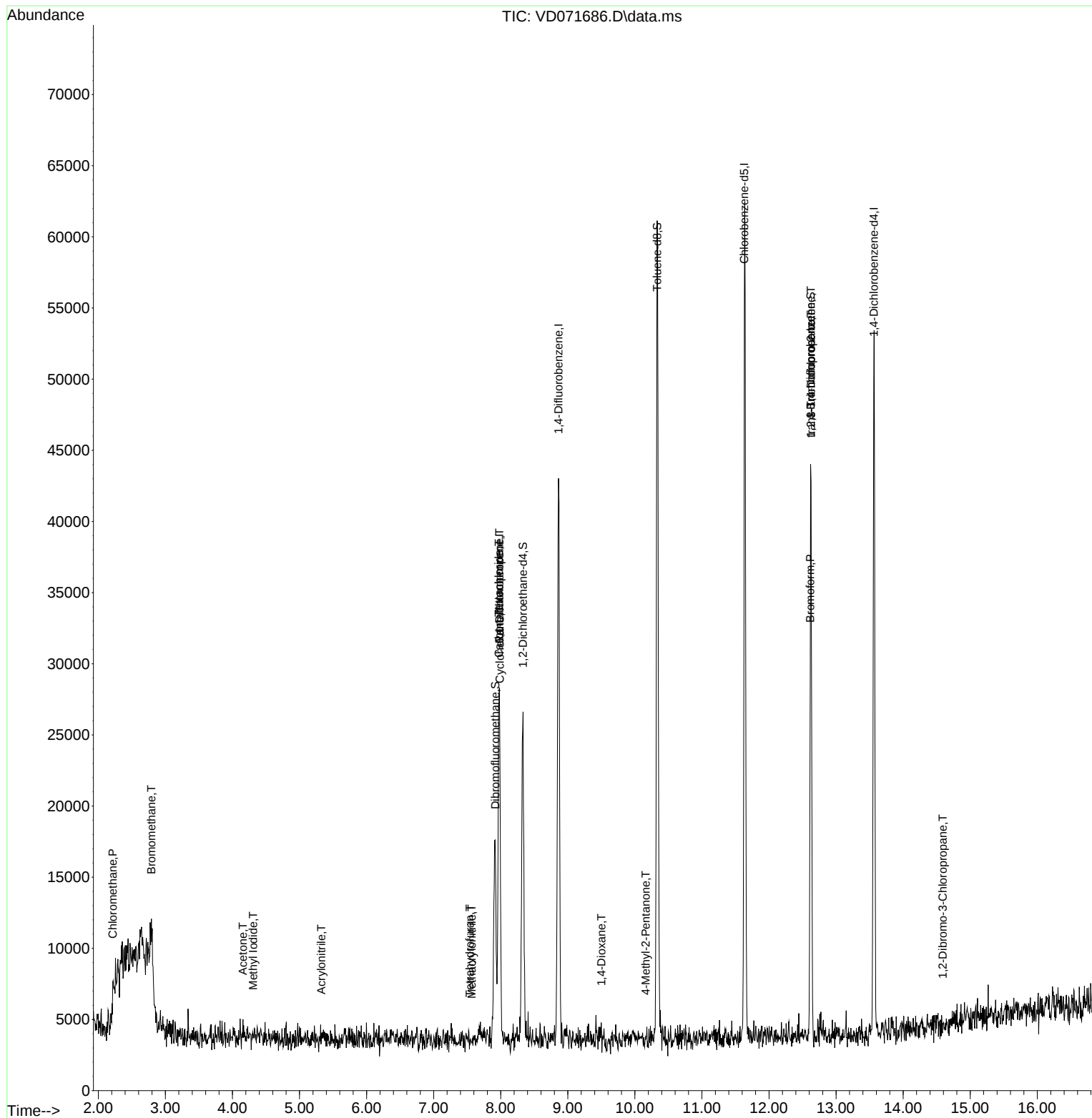
Internal Standards						
1) Pentafluorobenzene	7.979	168	17792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	30666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	29557	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	18073	78.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.880%	
35) Dibromofluoromethane	7.920	113	10533	51.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.940%	
50) Toluene-d8	10.332	98	36928	48.677	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.360%	
62) 4-Bromofluorobenzene	12.620	95	12141	45.417	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	558	2.160	ug/l #	1
5) Bromomethane	2.791	94	1231	7.742	ug/l #	47
10) Methyl Iodide	4.309	142	715	4.080	ug/l #	75
15) Acrylonitrile	5.326	53	55	1.262	ug/l #	59
16) Acetone	4.156	43	842	15.930	ug/l #	49
18) Methyl Acetate	4.803	43	57	Below Cal	#	56
20) Methylene Chloride	4.962	84	122	Below Cal	#	1
29) Tetrahydrofuran	7.538	42	57	1.587	ug/l #	39
31) Cyclohexane	7.985	56	687	2.475	ug/l #	11
36) 1,1-Dichloropropene	7.979	75	1967	6.804	ug/l #	43
38) Carbon Tetrachloride	7.973	117	1604	5.479	ug/l #	14
41) Methacrylonitrile	7.567	41	64	1.887	ug/l #	25
49) 1,4-Dioxane	9.502	88	67	60.637	ug/l #	6
51) 4-Methyl-2-Pentanone	10.161	43	195	1.462	ug/l #	40
71) Bromoform	12.614	173	133	1.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	7032	58.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	7032	162.114	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.590	75	54	2.108	ug/l #	9

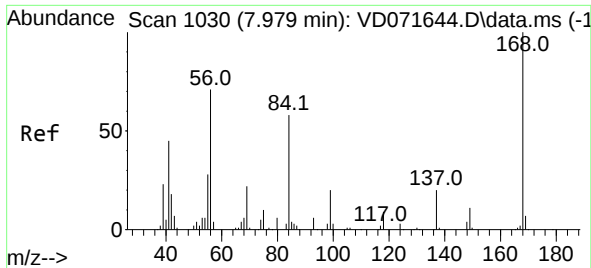
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

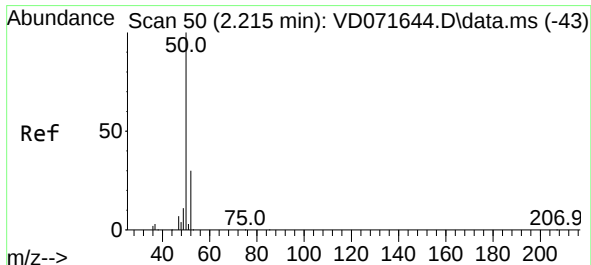
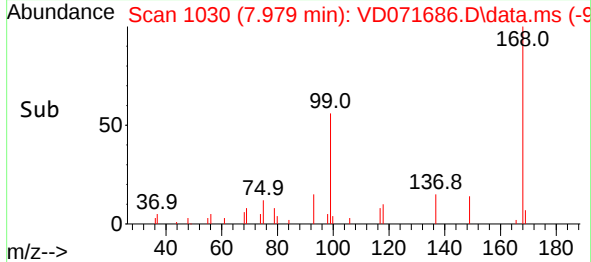
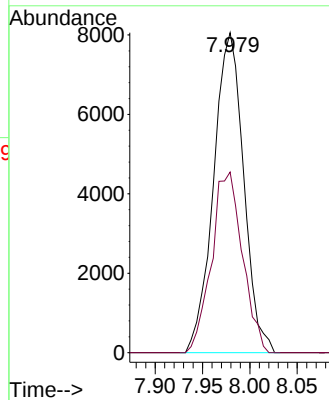
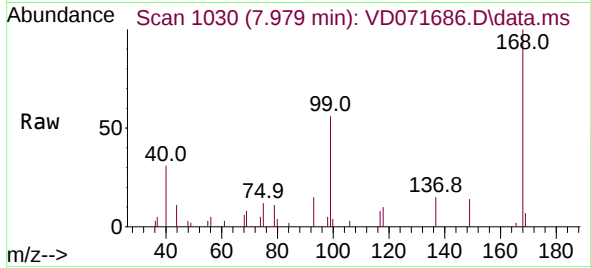




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

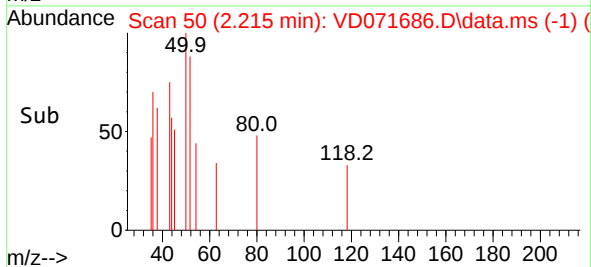
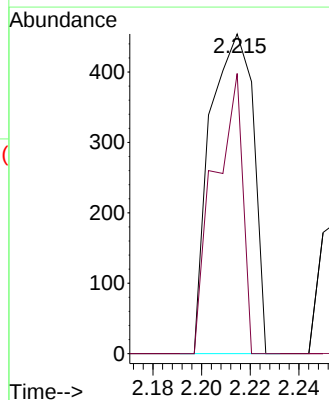
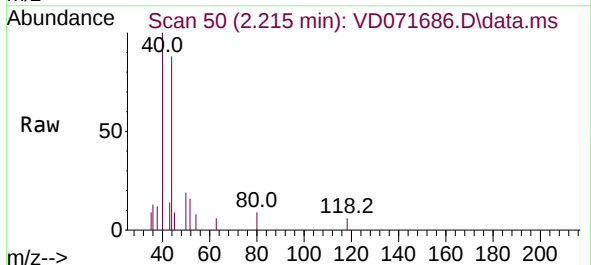
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

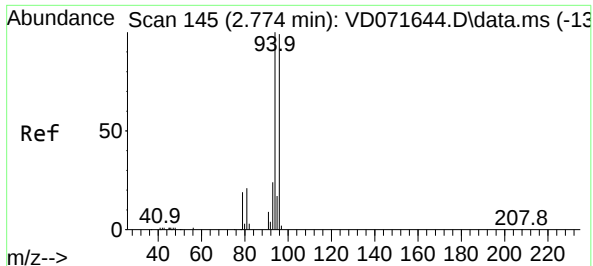
Tgt Ion:168 Resp: 17792
Ion Ratio Lower Upper
168 100
99 56.5 51.8 77.6



#3
Chloromethane
Concen: 2.160 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.001 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 87.7 25.4 38.0#

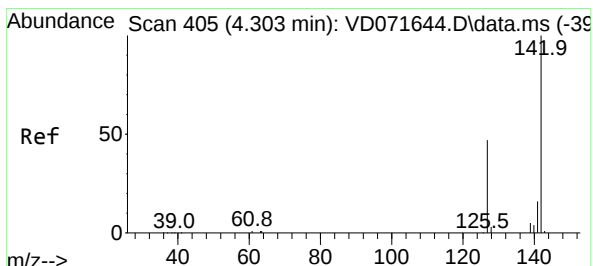
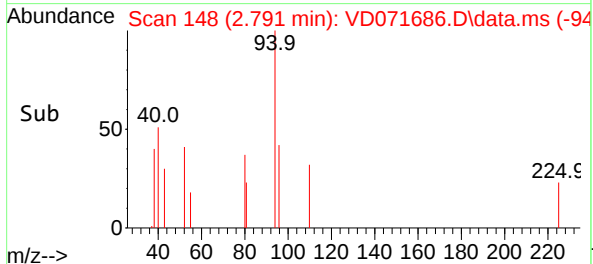
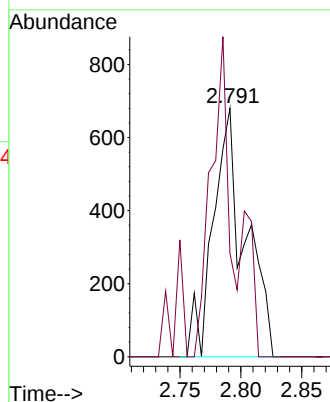
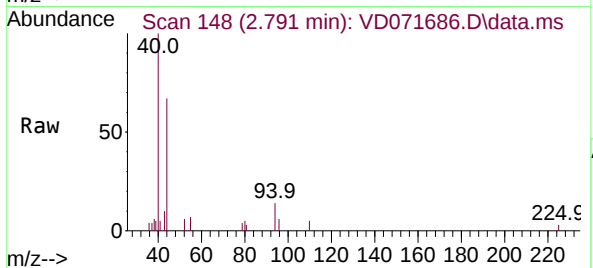




#5
Bromomethane
Concen: 7.742 ug/l
RT: 2.791 min Scan# 145
Delta R.T. 0.018 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

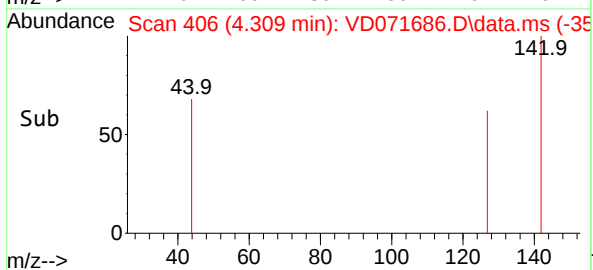
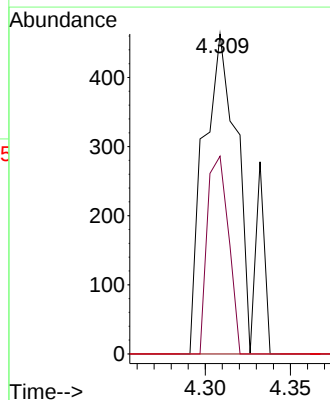
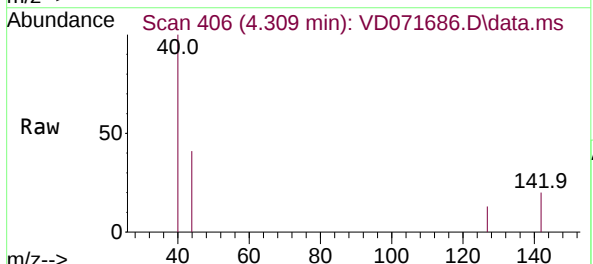
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

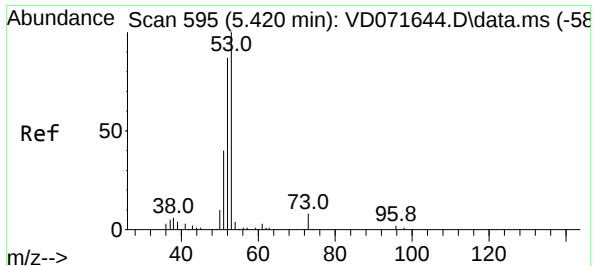
Tgt Ion: 94 Resp: 1231
Ion Ratio Lower Upper
94 100
96 41.6 73.7 110.5#



#10
Methyl Iodide
Concen: 4.080 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 142 Resp: 715
Ion Ratio Lower Upper
142 100
127 34.7 39.4 59.2#
141 0.0 11.9 17.9#

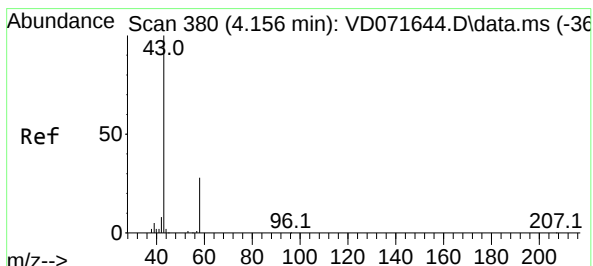
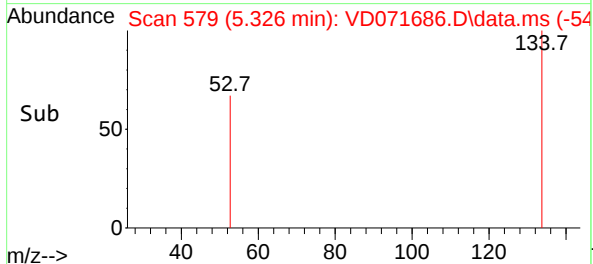
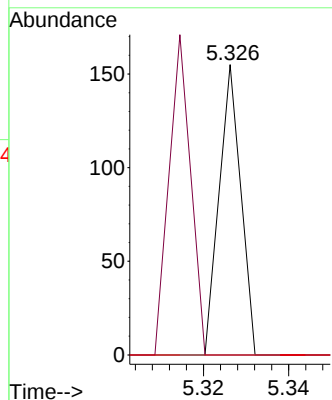
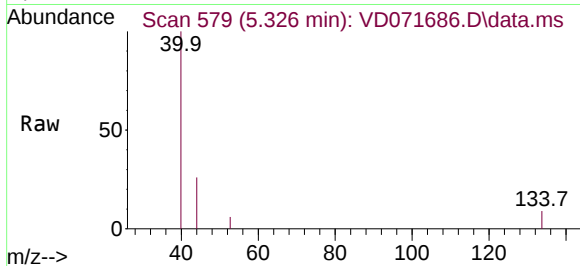




#15
Acrylonitrile
Concen: 1.262 ug/l
RT: 5.326 min Scan# 51
Delta R.T. -0.094 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

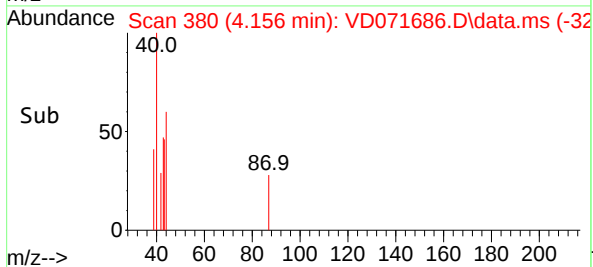
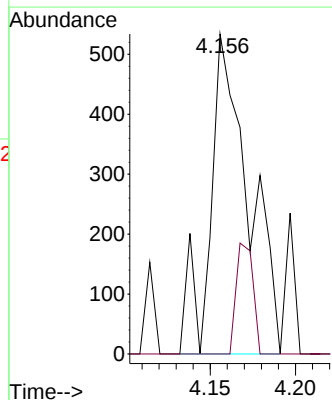
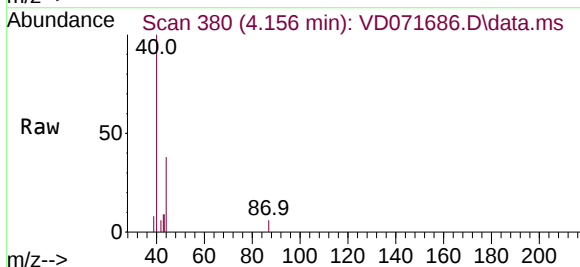
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

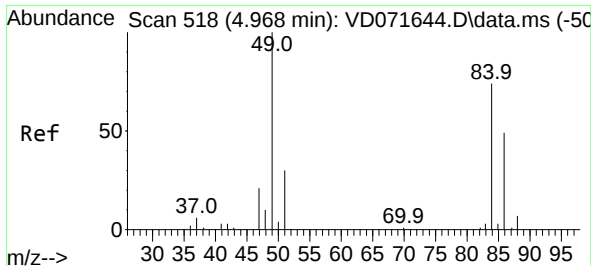
Tgt Ion: 53 Resp: 55
Ion Ratio Lower Upper
53 100
52 109.1 65.6 98.4#
51 0.0 31.2 46.8#



#16
Acetone
Concen: 15.930 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#

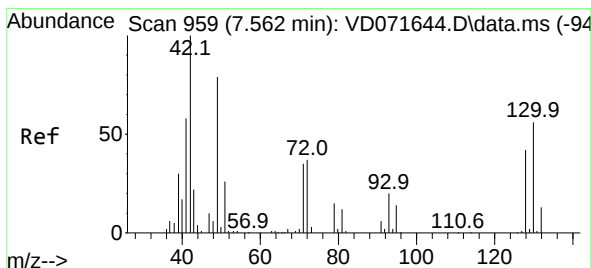
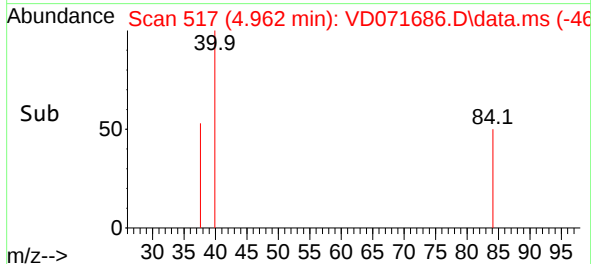
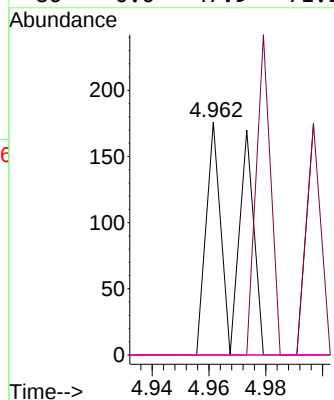
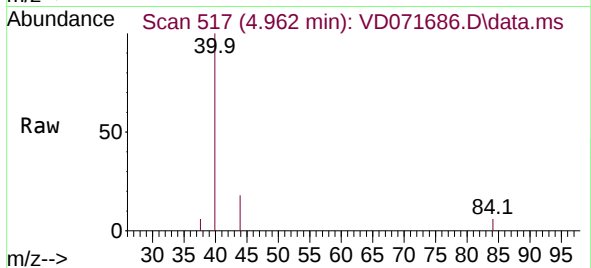




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

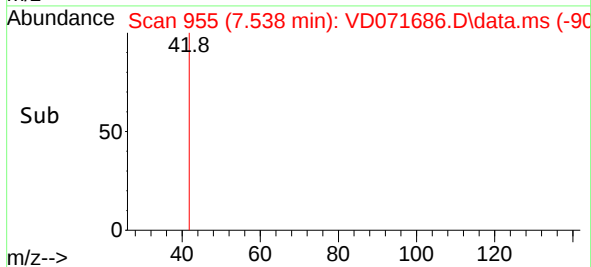
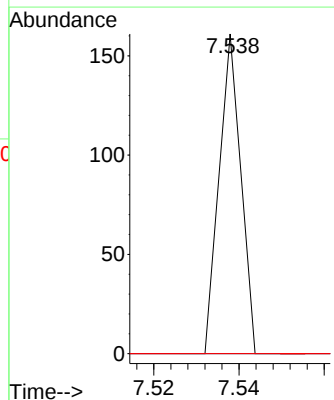
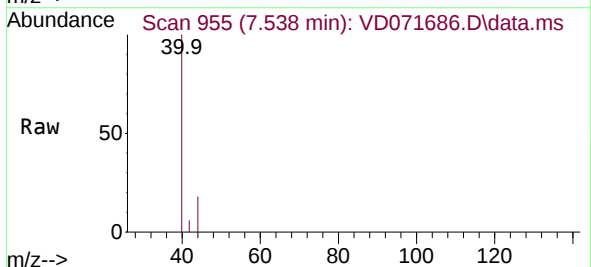
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

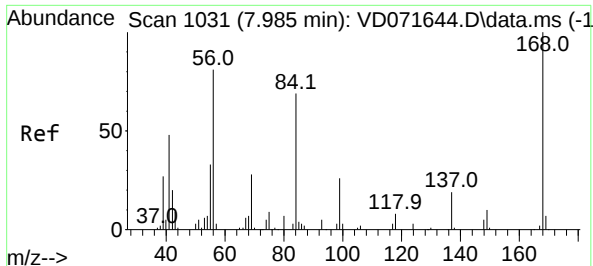
Tgt Ion:	84	Resp:	122
Ion	Ratio	Lower	Upper
84	100		
49	0.0	118.6	178.0#
51	0.0	37.8	56.6#
86	0.0	47.9	71.9#



#29
Tetrahydrofuran
Concen: 1.587 ug/l
RT: 7.538 min Scan# 955
Delta R.T. -0.023 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

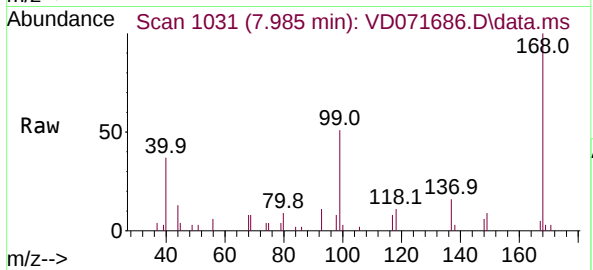
Tgt Ion:	42	Resp:	57
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.6	44.4#
71	0.0	27.3	40.9#



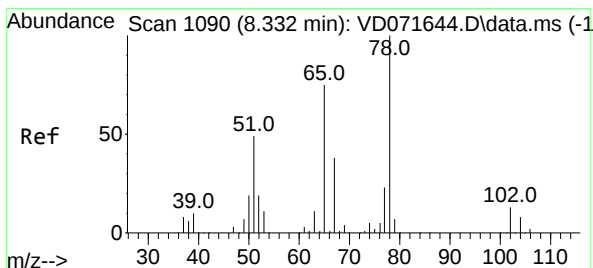
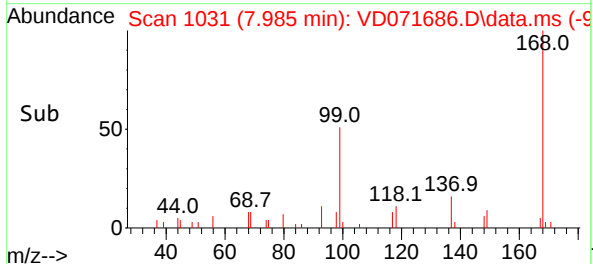
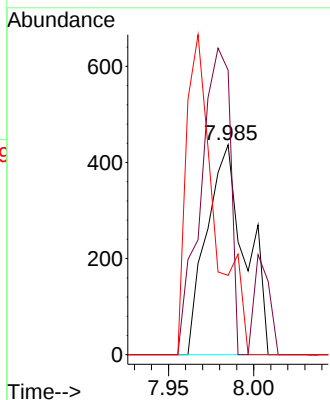


#31
Cyclohexane
Concen: 2.475 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Instrument :
MSVOA_D
ClientSampleId :
TP-2D

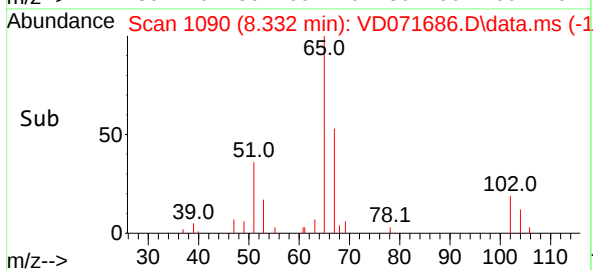
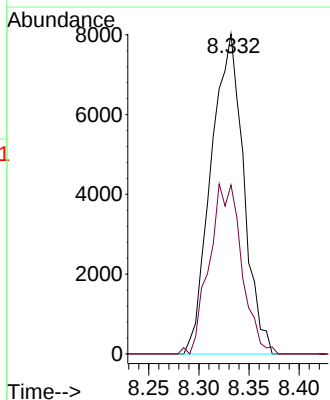
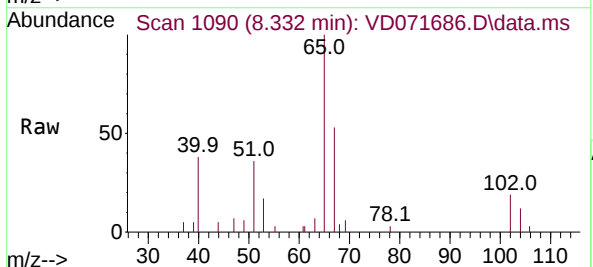


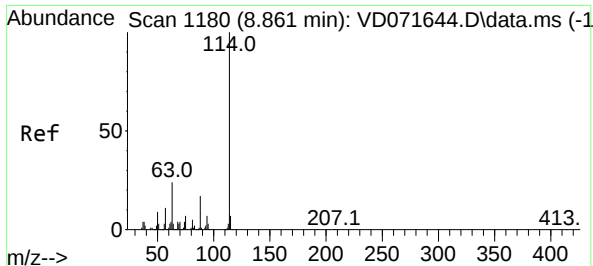
Tgt Ion: 56 Resp: 687
Ion Ratio Lower Upper
56 100
69 135.5 21.7 32.5#
84 37.8 65.7 98.5#



#33
1,2-Dichloroethane-d4
Concen: 78.945 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 65 Resp: 18073
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.2

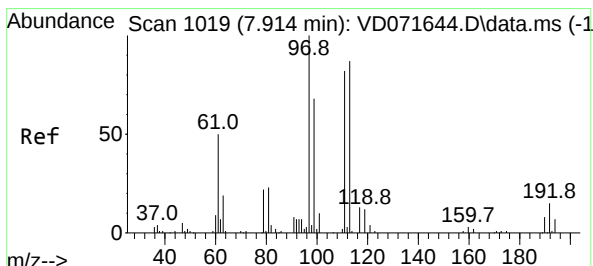
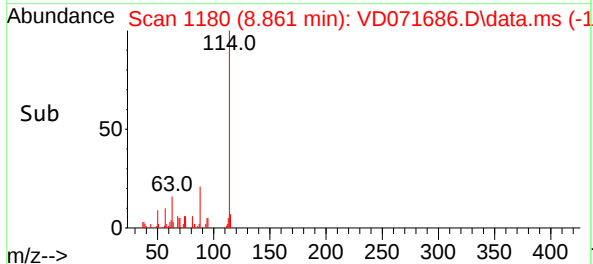
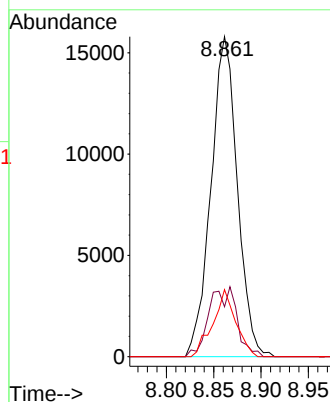
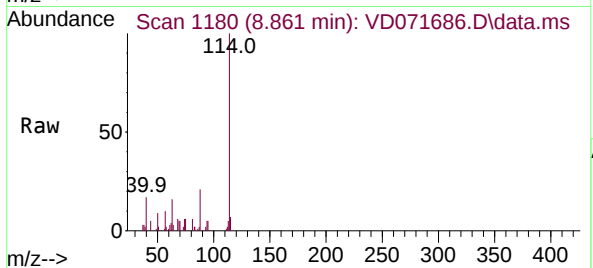




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

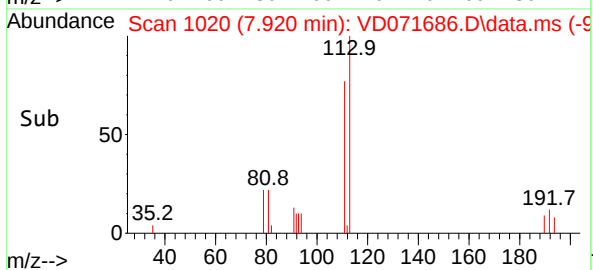
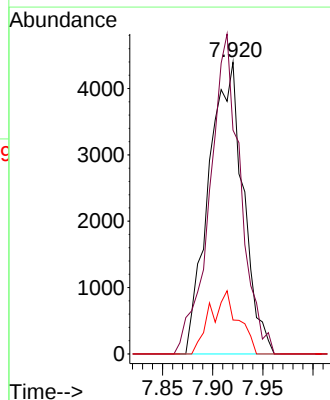
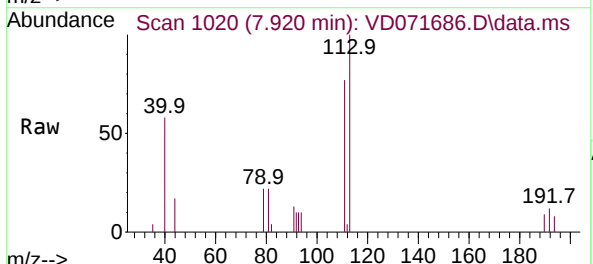
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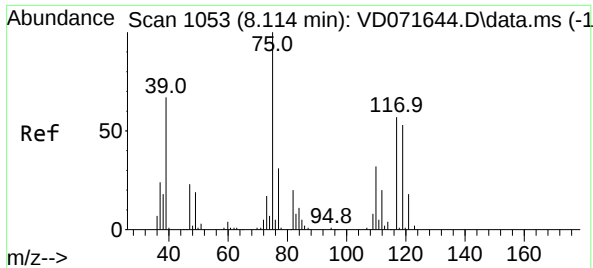
Tgt Ion:	114	Resp:	30666
Ion Ratio	Lower	Upper	
114	100		
63	15.6	0.0	46.2
88	21.0	0.0	32.0



#35
Dibromofluoromethane
Concen: 51.973 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion:	113	Resp:	10533
Ion Ratio	Lower	Upper	
113	100		
111	97.4	82.2	123.4
192	17.5	14.2	21.2

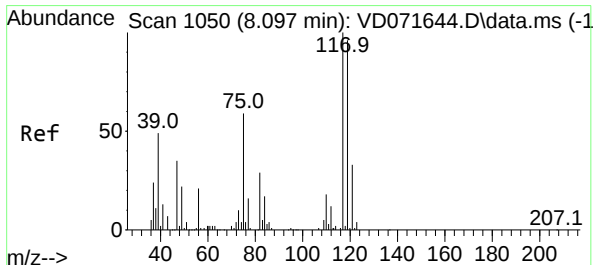
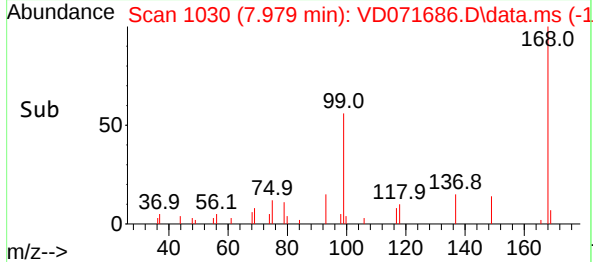
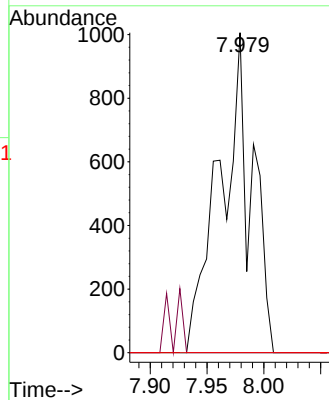
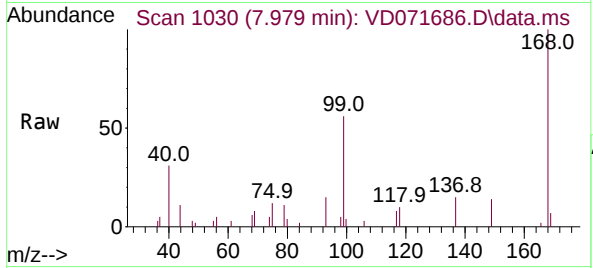




#36
1,1-Dichloropropene
Concen: 6.804 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

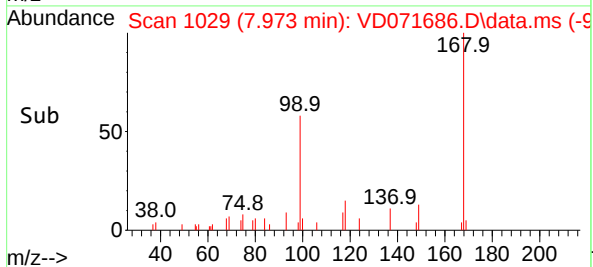
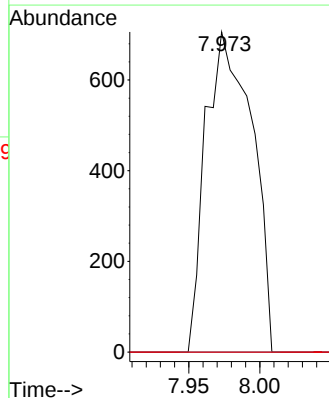
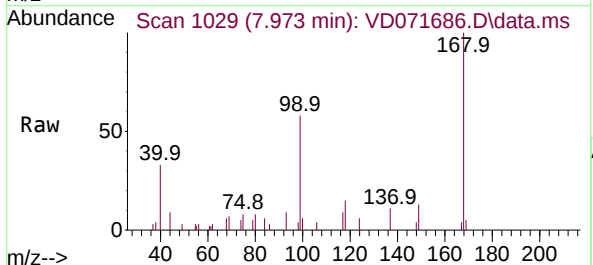
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

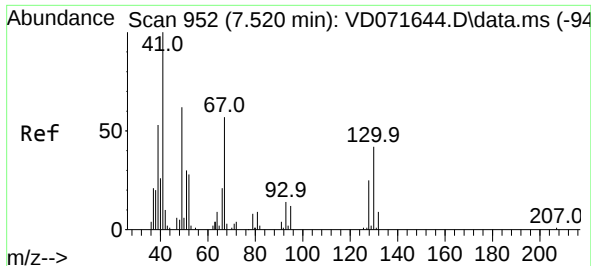
Tgt Ion: 75 Resp: 1967
Ion Ratio Lower Upper
75 100
110 0.0 16.0 48.0#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

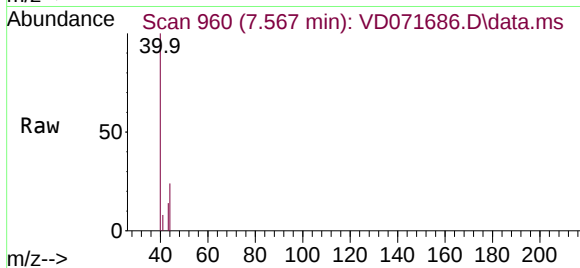
Tgt Ion: 117 Resp: 1604
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 23.9 35.9#



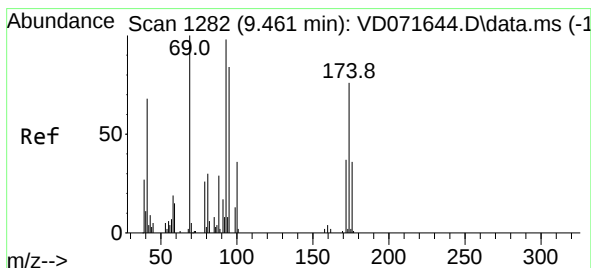
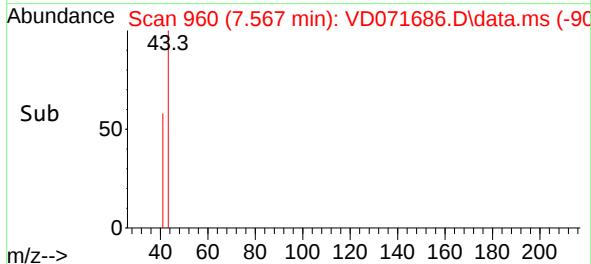
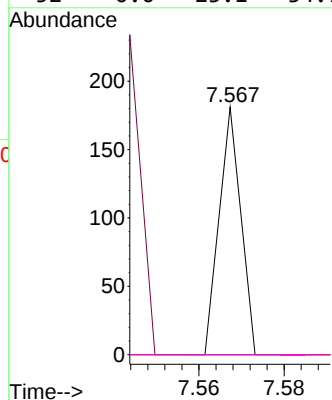


#41
Methacrylonitrile
Concen: 1.887 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.047 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Instrument :
MSVOA_D
ClientSampleId :
TP-2D

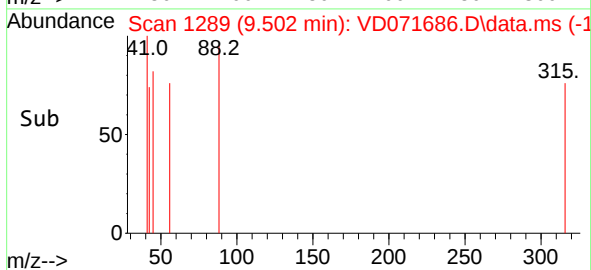
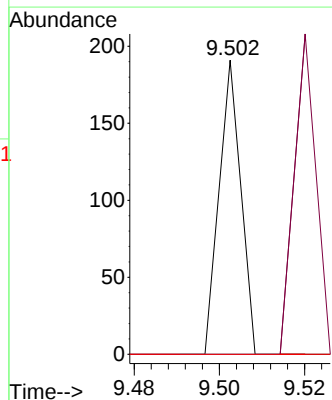
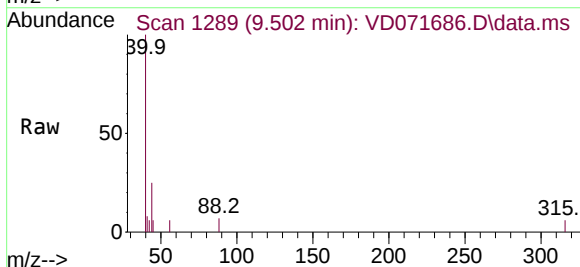


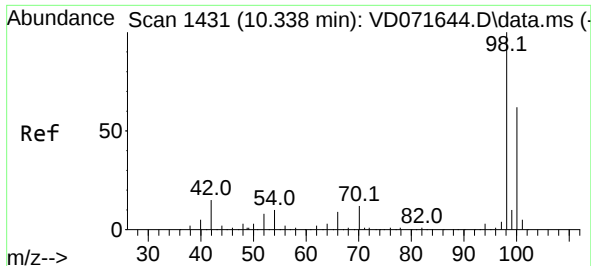
Tgt Ion: 41	Resp: 64
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#49
1,4-Dioxane
Concen: 60.637 ug/l
RT: 9.502 min Scan# 1289
Delta R.T. 0.047 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 88	Resp: 67		
Ion Ratio	Lower	Upper	
88 100			
43 109.0	34.6	52.0#	
58 0.0	62.0	93.0#	

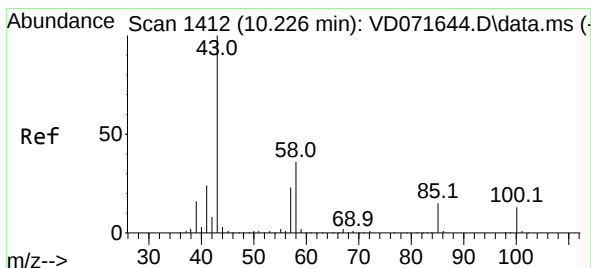
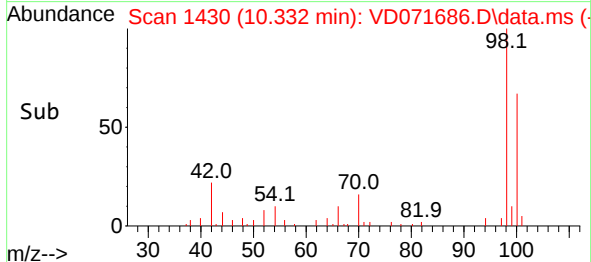
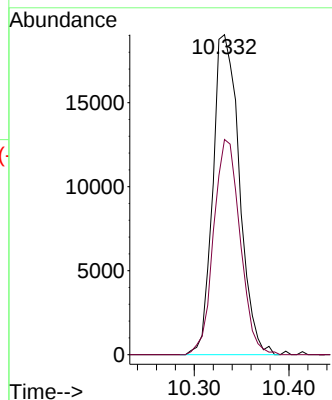
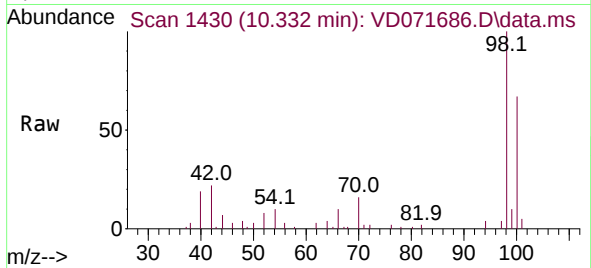




#50
Toluene-d8
Concen: 48.677 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

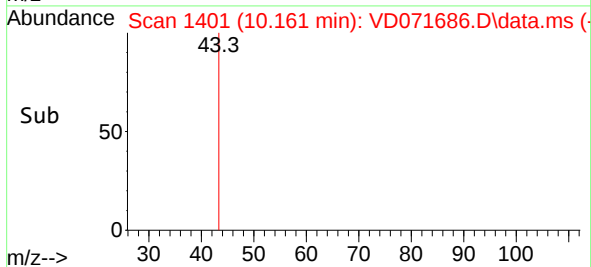
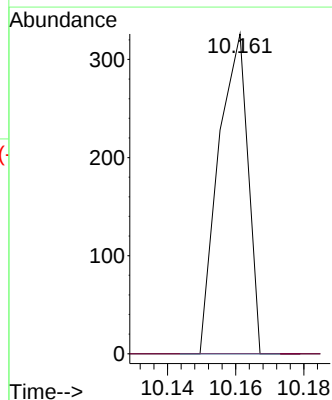
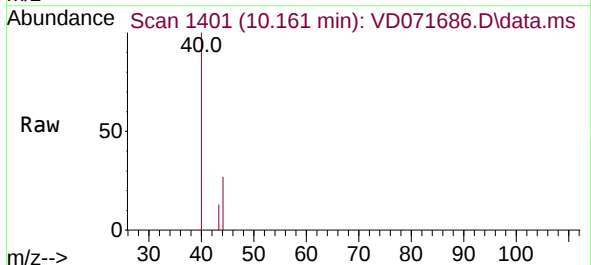
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

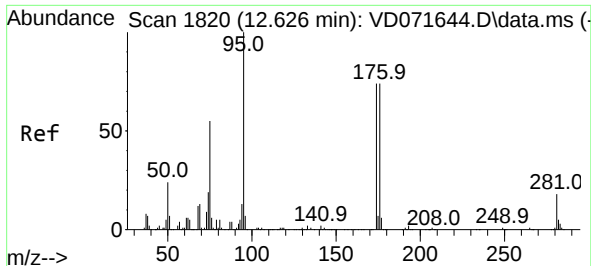
Tgt Ion: 98 Resp: 36928
Ion Ratio Lower Upper
98 100
100 67.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.462 ug/l
RT: 10.161 min Scan# 1401
Delta R.T. -0.065 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

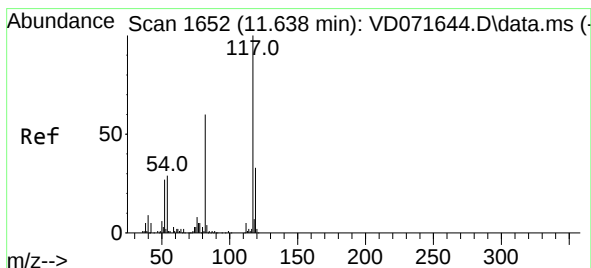
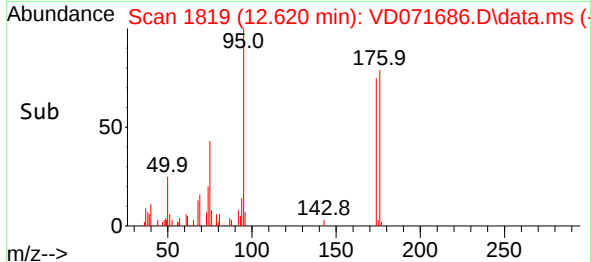
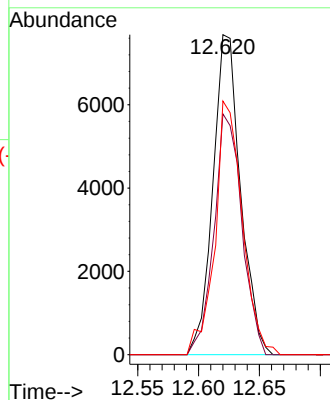
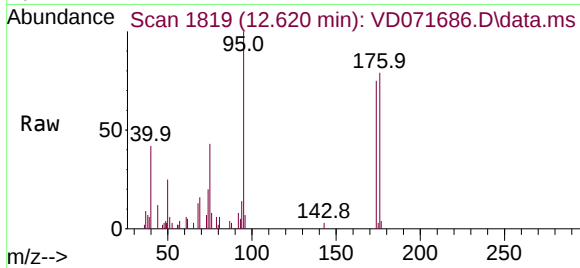




#62
4-Bromofluorobenzene
Concen: 45.417 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

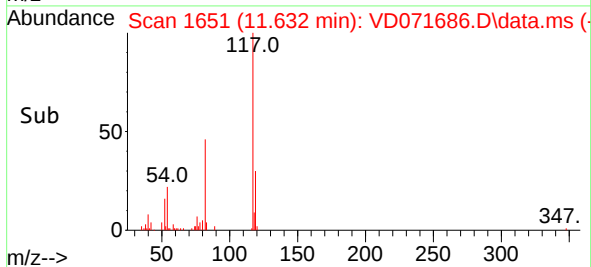
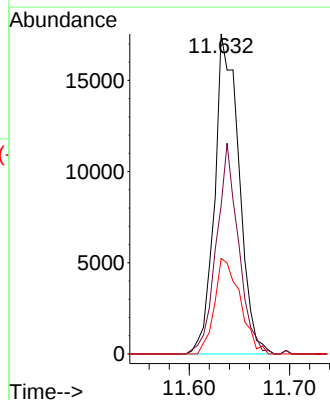
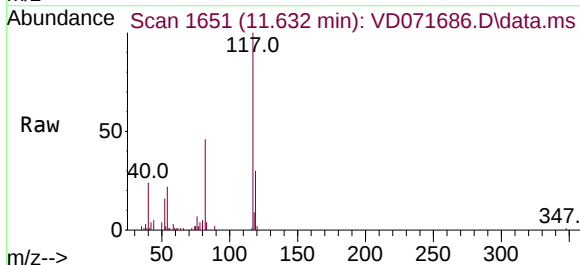
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

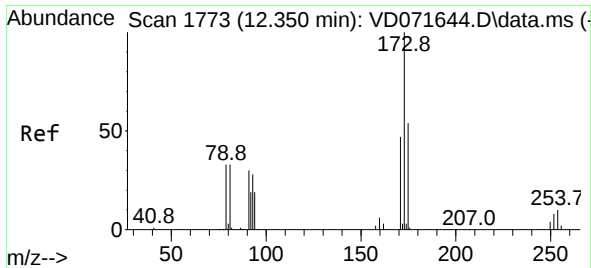
Tgt Ion: 95 Resp: 12141
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.0
176 78.2 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.005 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 117 Resp: 29557
Ion Ratio Lower Upper
117 100
82 46.5 46.9 70.3#
119 29.9 26.6 39.8

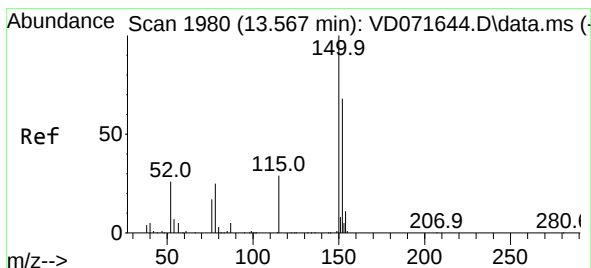
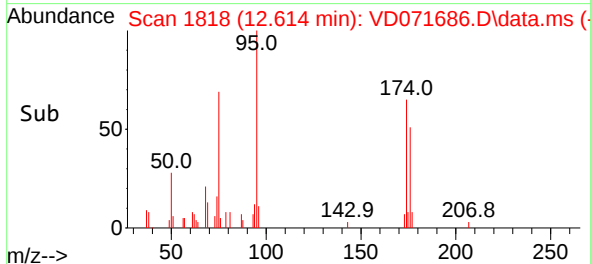
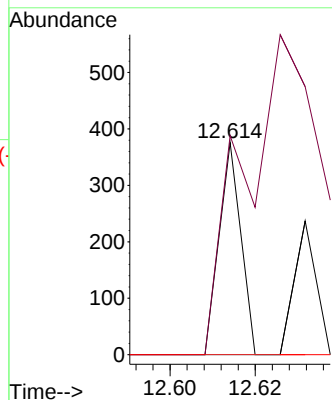
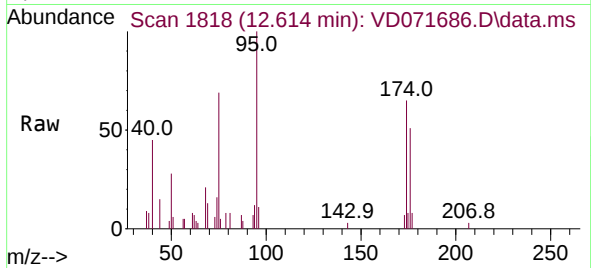




#71
Bromoform
Concen: 1.270 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.259 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

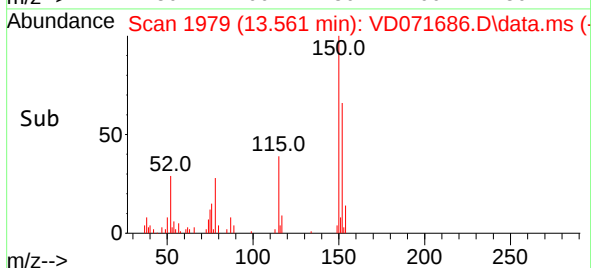
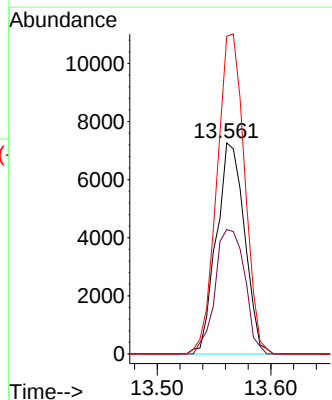
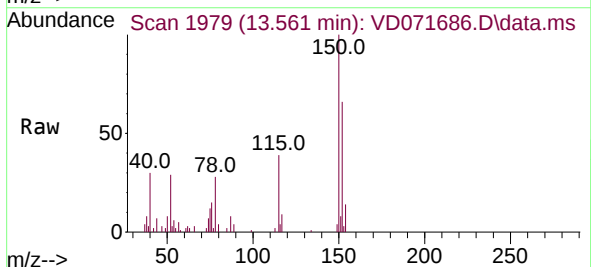
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

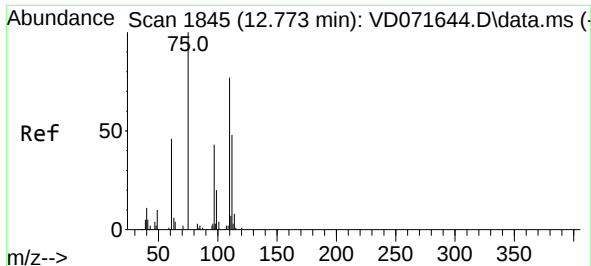
Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 448.9 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion:152 Resp: 12515
Ion Ratio Lower Upper
152 100
115 62.1 31.5 94.5
150 148.9 0.0 348.0

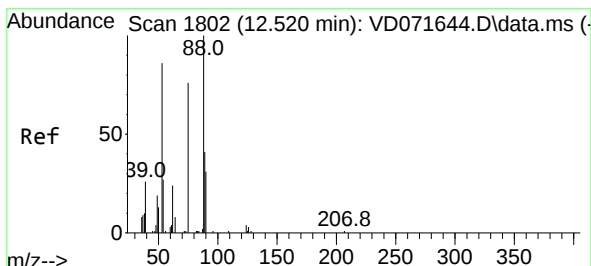
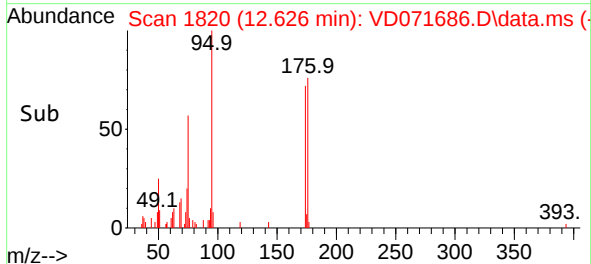
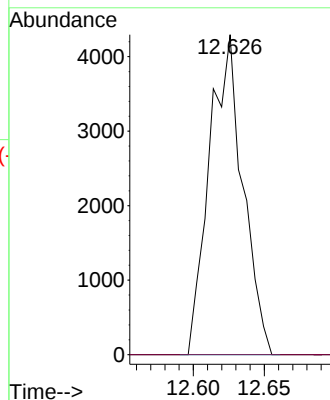
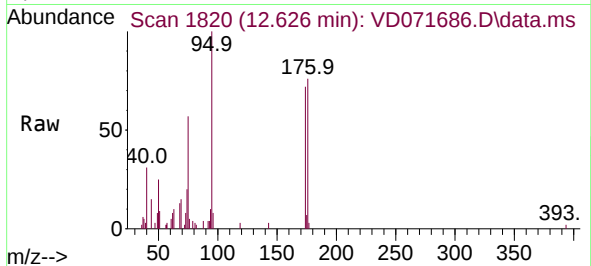




#76
1,2,3-Trichloropropane
Concen: 58.150 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

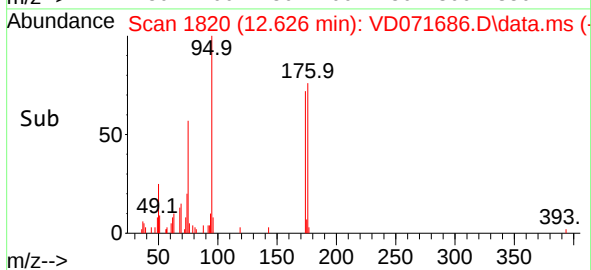
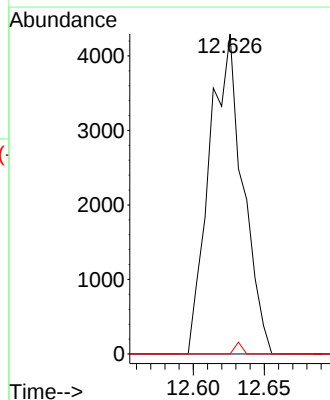
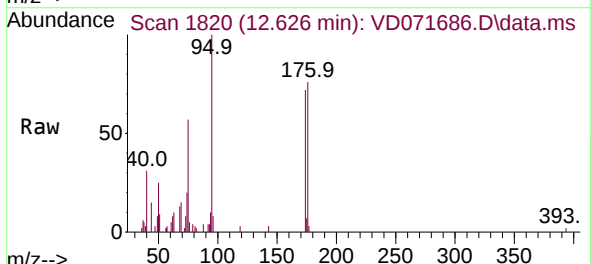
Instrument :
MSVOA_D
ClientSampleId :
TP-2D

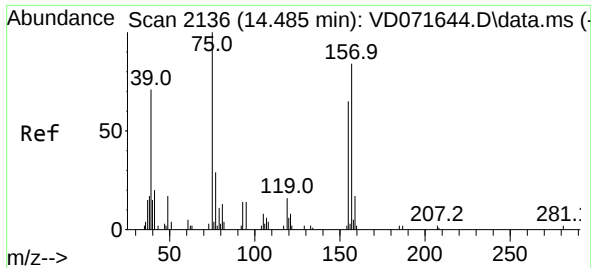
Tgt Ion: 75 Resp: 7032
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 162.114 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Tgt Ion: 75 Resp: 7032
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.8 37.2 55.8#





#92
1,2-Dibromo-3-Chloropropane
Concen: 2.108 ug/l
RT: 14.590 min Scan# 21
Delta R.T. 0.100 min
Lab File: VD071686.D
Acq: 12 Jan 2022 15:08

Instrument :
MSVOA_D
ClientSampleId :
TP-2D

Tgt Ion:	75	Resp:	54
Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.4	106.1#
157	0.0	44.9	134.5#

