

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071939.D
 Acq On : 11 Feb 2022 16:19
 Operator : VA/SY
 Sample : N1505-03RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:58:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

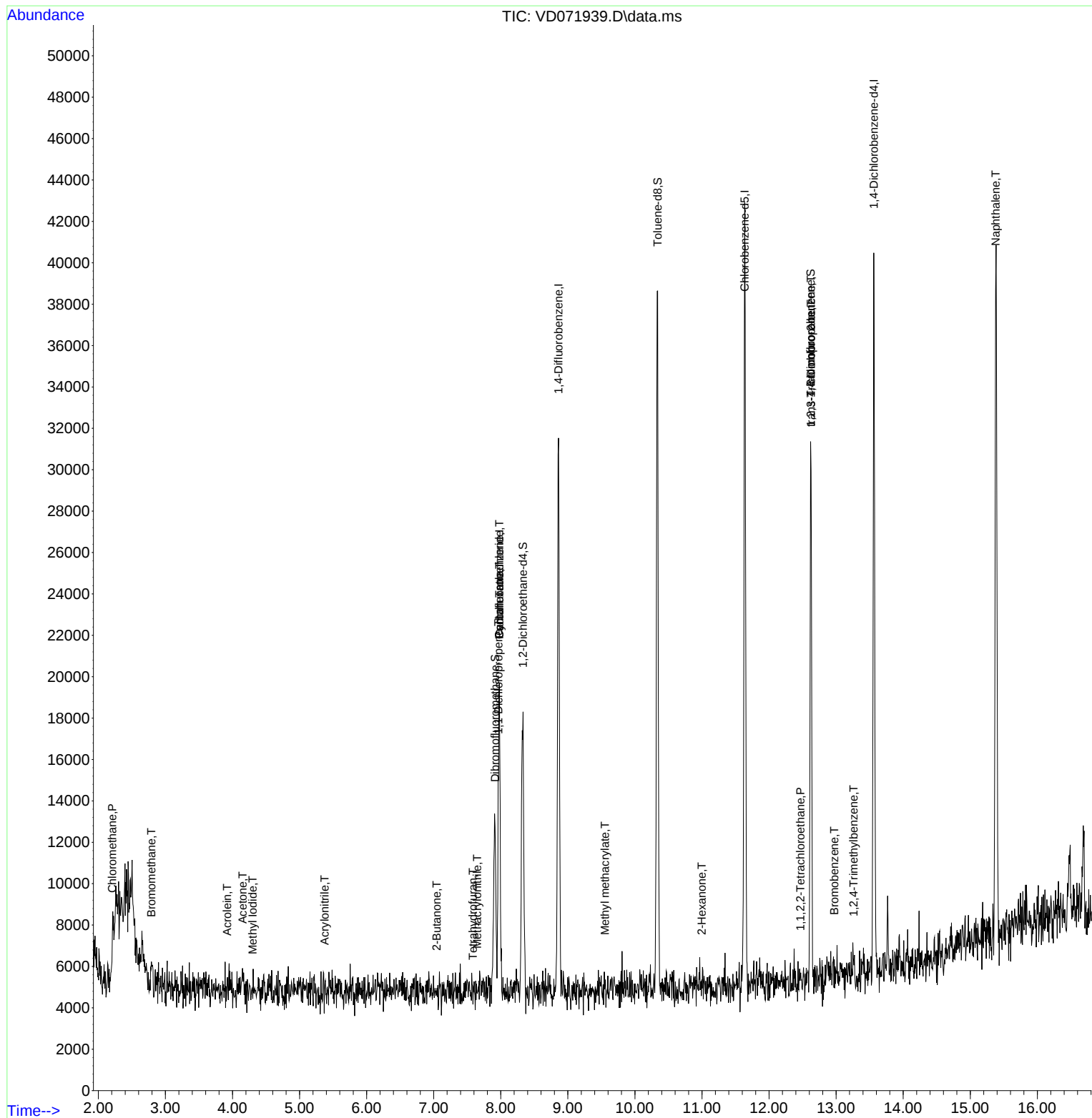
Internal Standards						
1) Pentafluorobenzene	7.979	168	10227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	19865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	20433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	8829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	11936	92.338	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.680%#	
35) Dibromofluoromethane	7.914	113	6339	48.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.100%	
50) Toluene-d8	10.338	98	22320	45.769	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.540%	
62) 4-Bromofluorobenzene	12.620	95	7861	46.160	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	180	1.240	ug/l #	40
5) Bromomethane	2.791	94	726	7.238	ug/l	83
10) Methyl Iodide	4.303	142	190	1.508	ug/l #	38
13) Acrolein	3.920	56	70	6.097	ug/l #	14
15) Acrylonitrile	5.373	53	84	2.875	ug/l #	20
16) Acetone	4.150	43	963	27.215	ug/l #	78
25) 2-Butanone	7.044	43	60	1.455	ug/l #	52
29) Tetrahydrofuran	7.585	42	96	3.933	ug/l #	38
31) Cyclohexane	7.979	56	276	1.118	ug/l #	62
36) 1,1-Dichloropropene	7.967	75	563	2.512	ug/l #	43
38) Carbon Tetrachloride	7.979	117	729	3.289	ug/l #	13
41) Methacrylonitrile	7.650	41	71	1.204	ug/l #	27
48) Methyl methacrylate	9.555	41	111	1.120	ug/l #	19
59) 2-Hexanone	10.996	43	141	1.982	ug/l #	27
75) 1,1,2,2-Tetrachloroethane	12.467	83	186	1.470	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	5246	56.380	ug/l #	100
77) Bromobenzene	12.973	156	412	2.709	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	5246	138.626	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	569	1.020	ug/l	68
95) Naphthalene	15.379	128	27499	88.508	ug/l	97

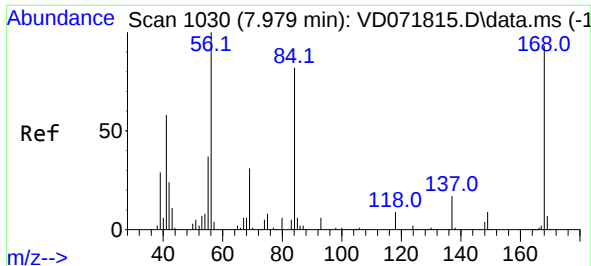
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

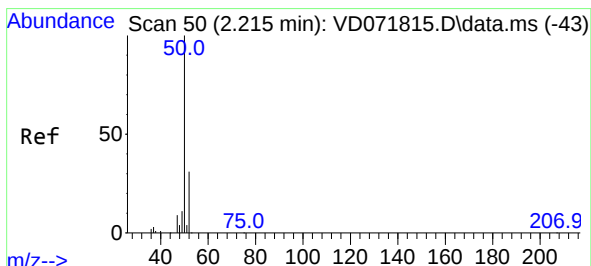
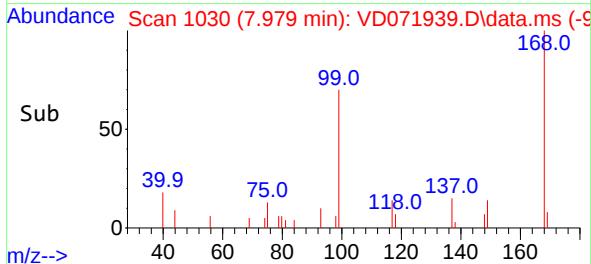
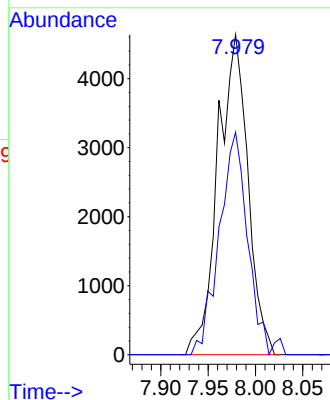
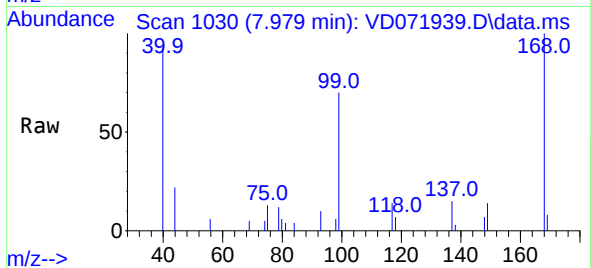




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

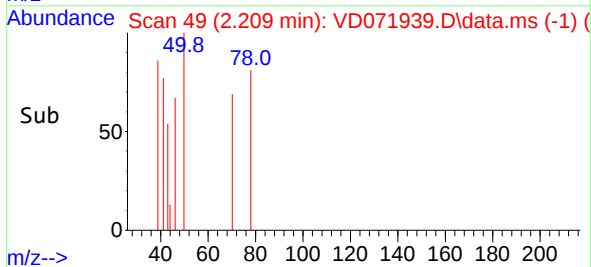
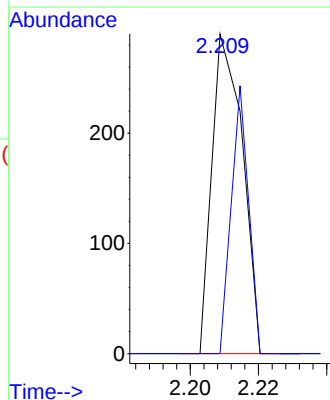
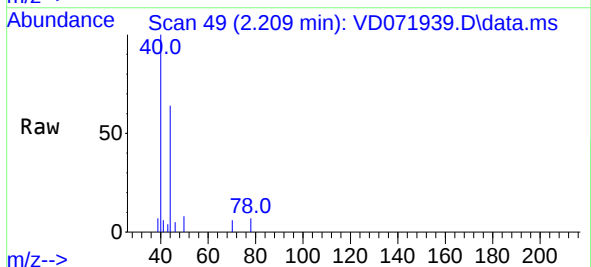
Instrument :
MSVOA_D
ClientSampleId :

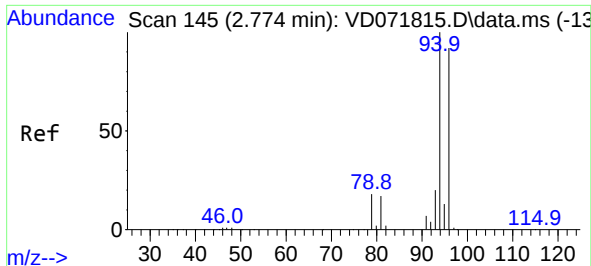
Tgt Ion:168 Resp: 10227
Ion Ratio Lower Upper
168 100
99 69.6 49.8 74.6



#3
Chloromethane
Concen: 1.240 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

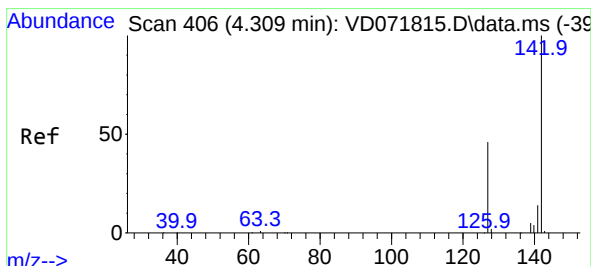
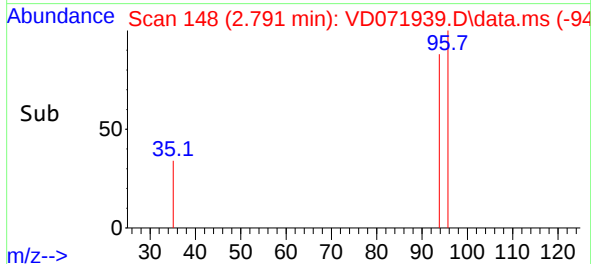
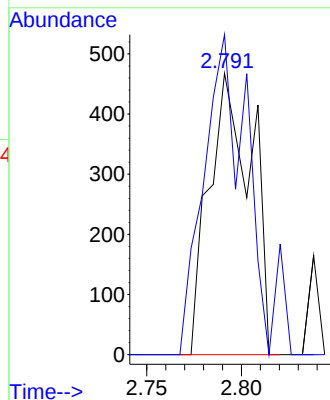
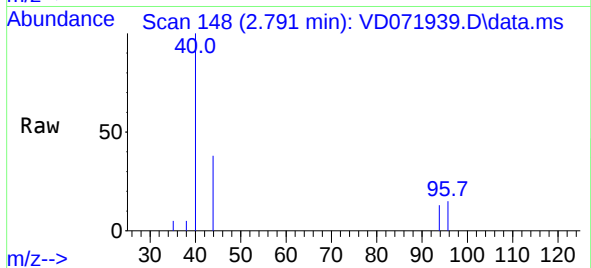




#5
Bromomethane
Concen: 7.238 ug/l
RT: 2.791 min Scan# 145
Delta R.T. 0.018 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

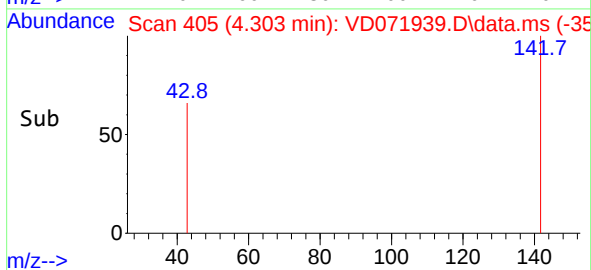
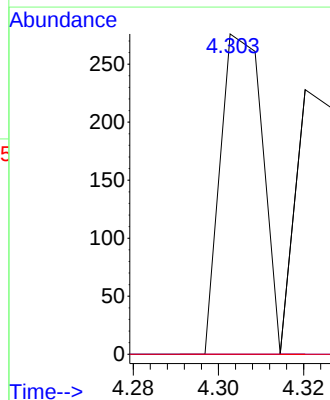
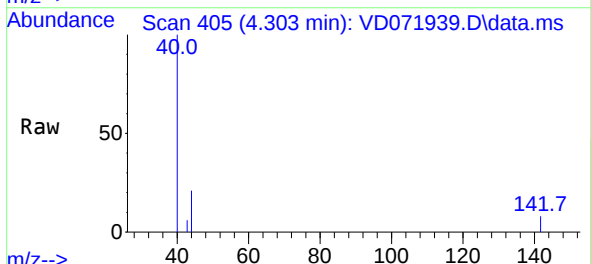
Instrument :
MSVOA_D
ClientSampleId :

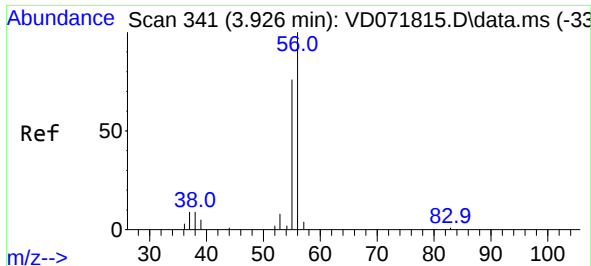
Tgt Ion: 94 Resp: 726
Ion Ratio Lower Upper
94 100
96 113.7 77.6 116.4



#10
Methyl Iodide
Concen: 1.508 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 142 Resp: 190
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

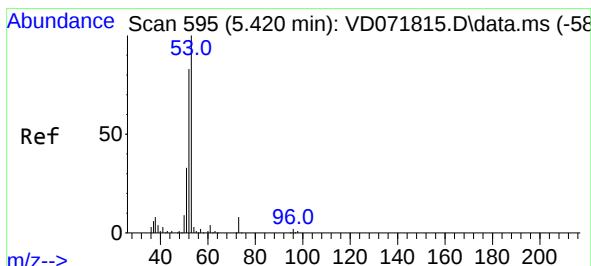
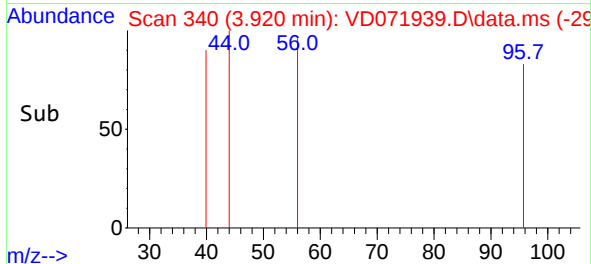
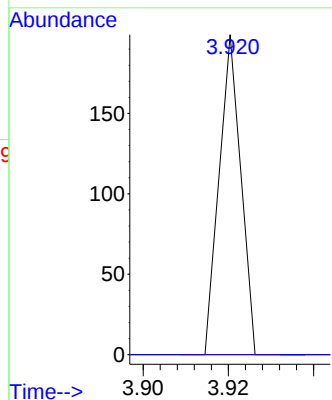
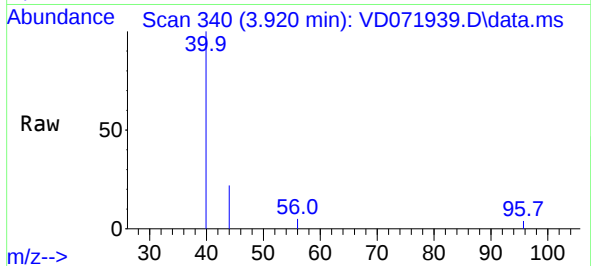




#13
Acrolein
Concen: 6.097 ug/l
RT: 3.920 min Scan# 341
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

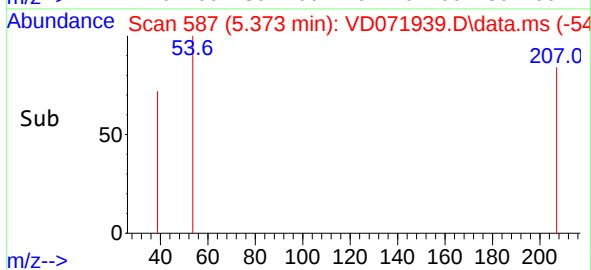
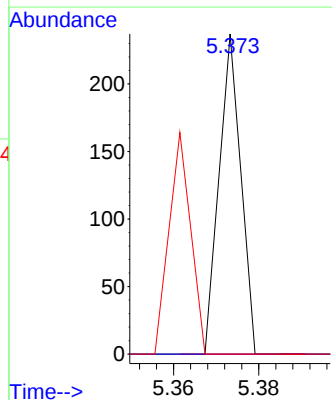
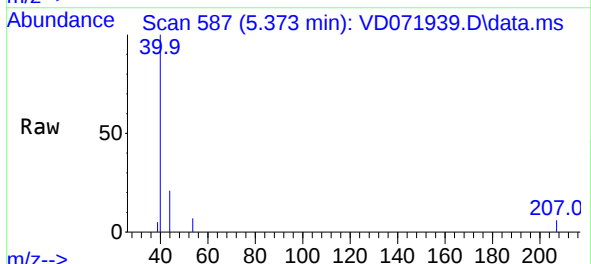
Instrument :
MSVOA_D
ClientSampleId :

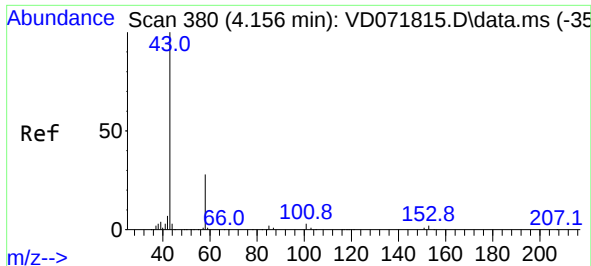
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#15
Acrylonitrile
Concen: 2.875 ug/l
RT: 5.373 min Scan# 587
Delta R.T. -0.047 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 53 Resp: 84
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 69.0 30.3 45.5#

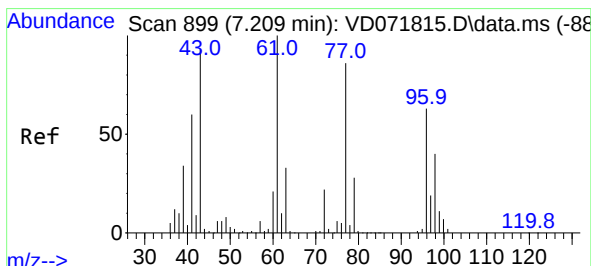
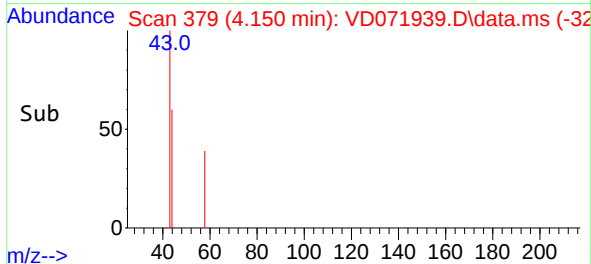
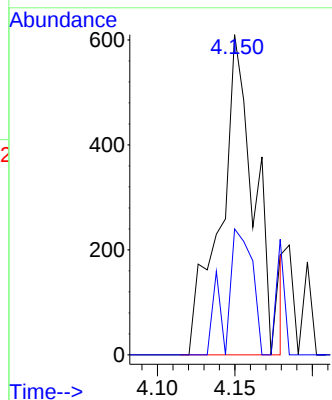
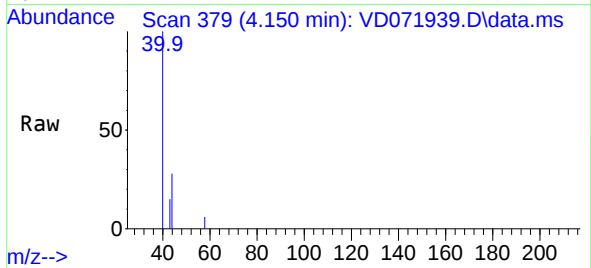




#16
Acetone
Concen: 27.215 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

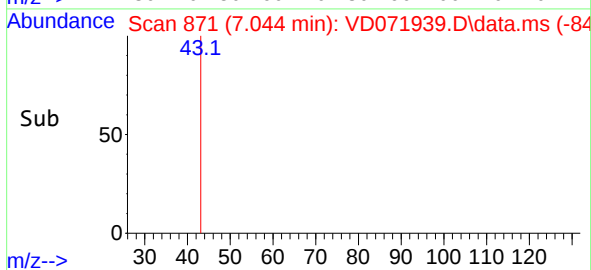
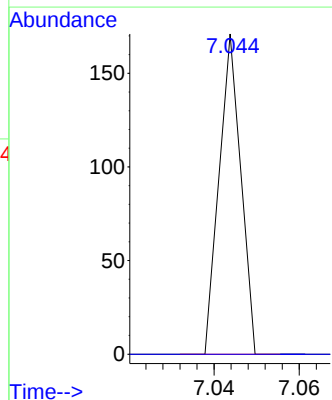
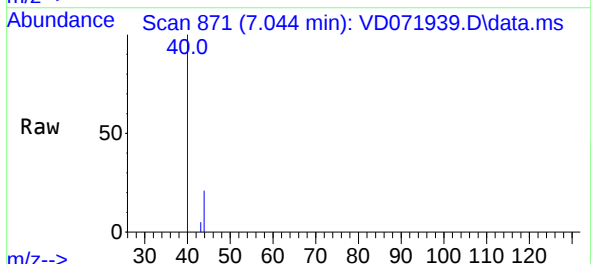
Instrument :
MSVOA_D
ClientSampleId :

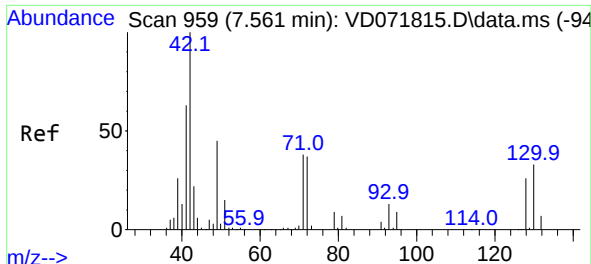
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 39.3 22.1 33.1#



#25
2-Butanone
Concen: 1.455 ug/l
RT: 7.044 min Scan# 871
Delta R.T. -0.171 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

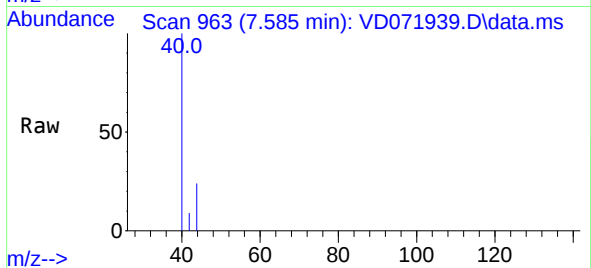
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





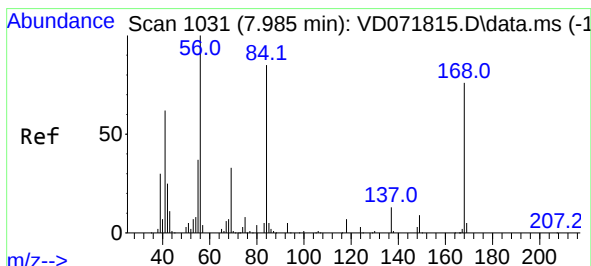
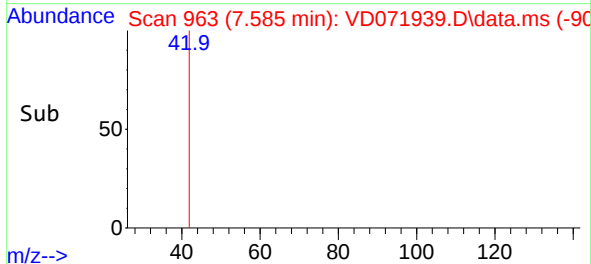
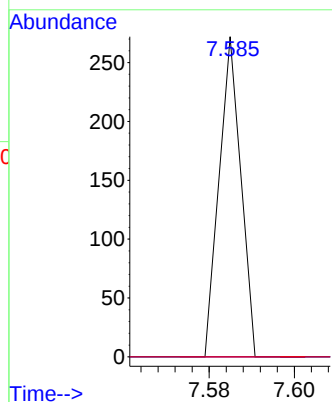
#29
Tetrahydrofuran
Concen: 3.933 ug/l
RT: 7.585 min Scan# 96
Delta R.T. 0.023 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 42 Resp: 96

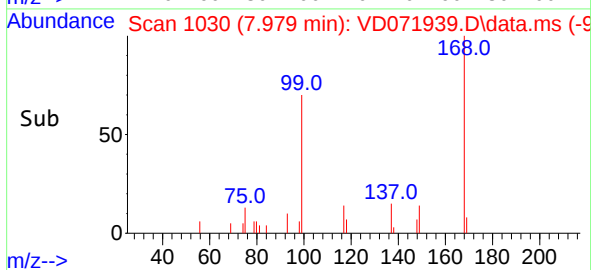
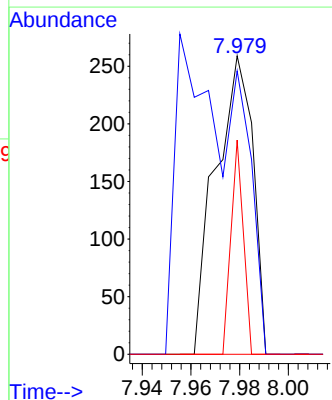
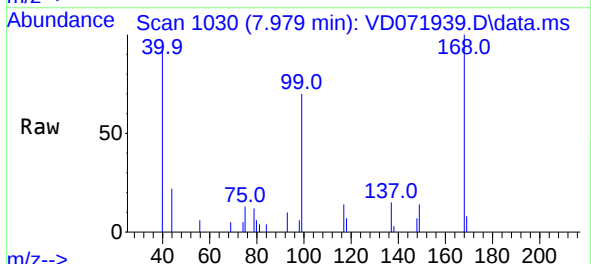
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#

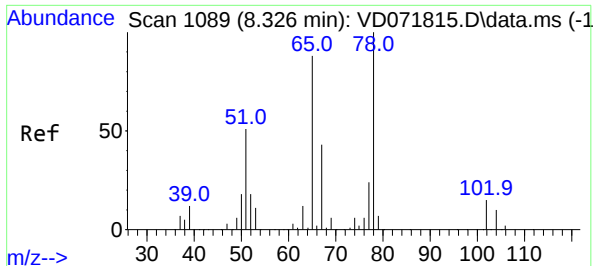


#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 56 Resp: 276

Ion	Ratio	Lower	Upper
56	100		
69	95.0	25.4	38.2#
84	71.8	63.0	94.4





#33

1,2-Dichloroethane-d4

Concen: 92.338 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071939.D

Acq: 11 Feb 2022 16:19

Instrument :

MSVOA_D

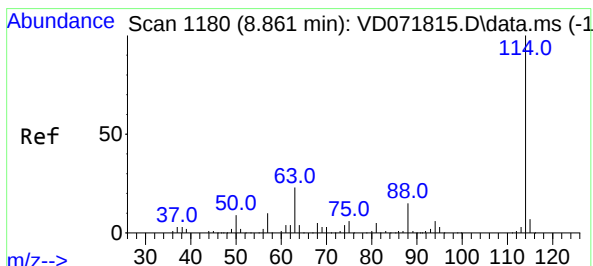
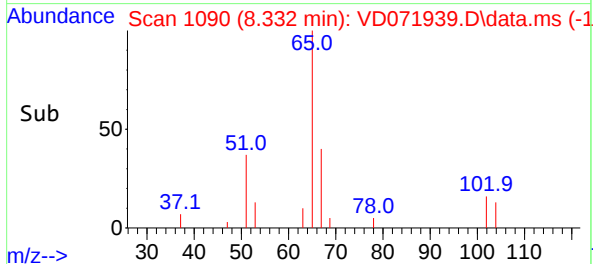
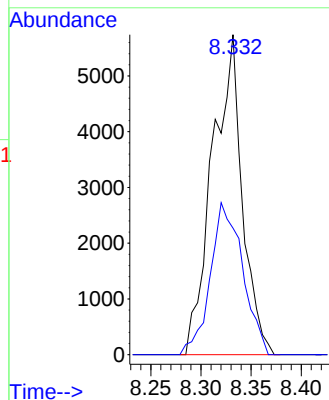
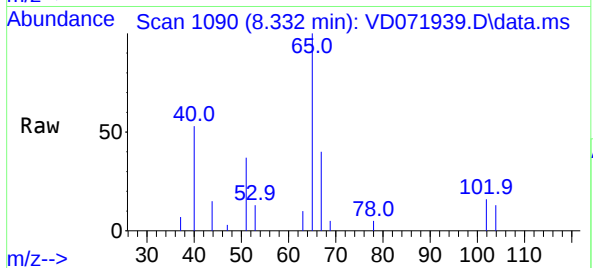
ClientSampleId :

Tgt Ion: 65 Resp: 11936

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071939.D

Acq: 11 Feb 2022 16:19

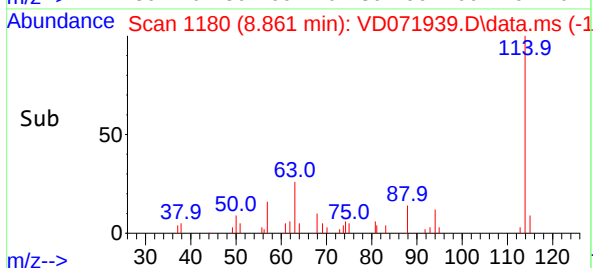
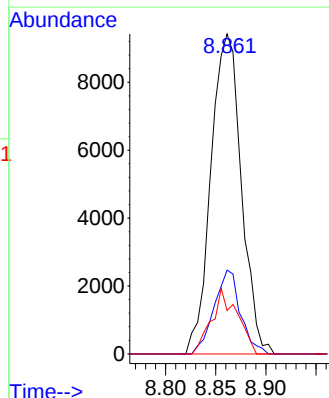
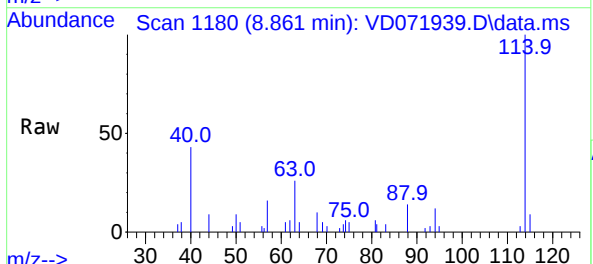
Tgt Ion: 114 Resp: 19865

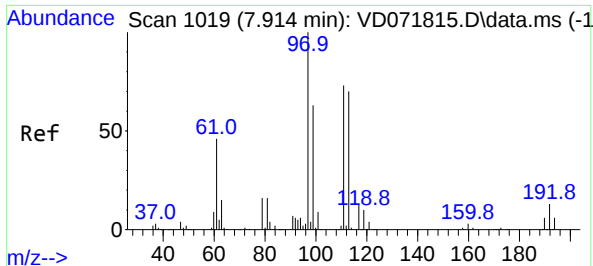
Ion Ratio Lower Upper

114 100

63 26.2 0.0 46.6

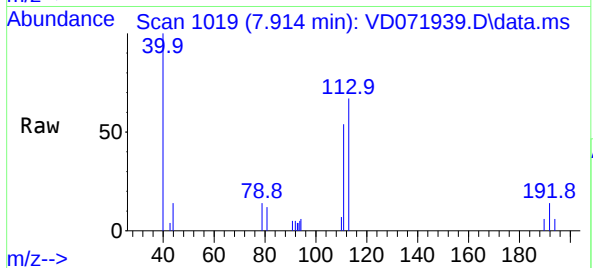
88 13.6 0.0 33.2



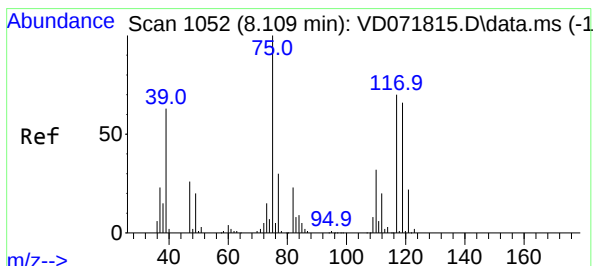
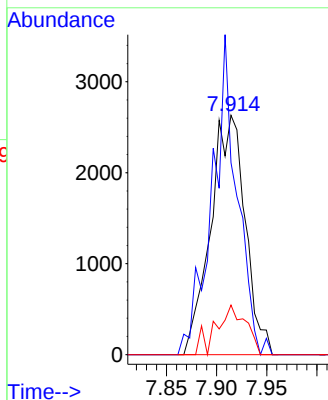
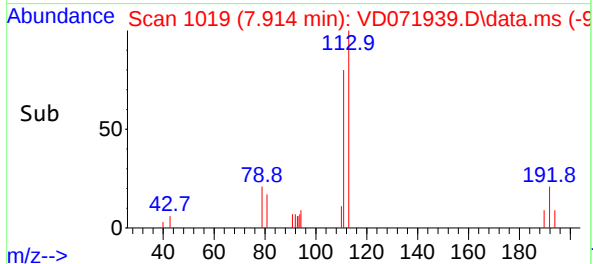


#35
Dibromofluoromethane
Concen: 48.546 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

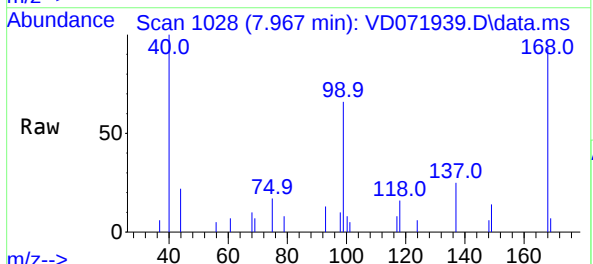
Instrument :
MSVOA_D
ClientSampleId :



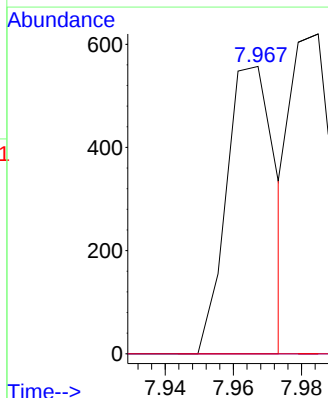
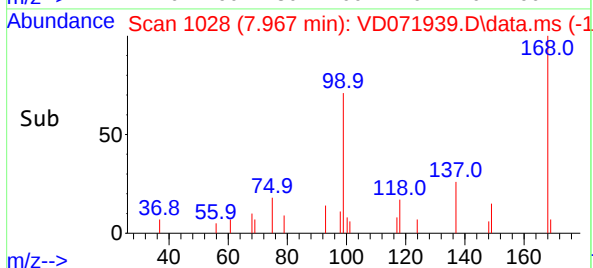
Tgt Ion:113 Resp: 6339
Ion Ratio Lower Upper
113 100
111 96.4 83.8 125.6
192 17.8 14.6 21.8

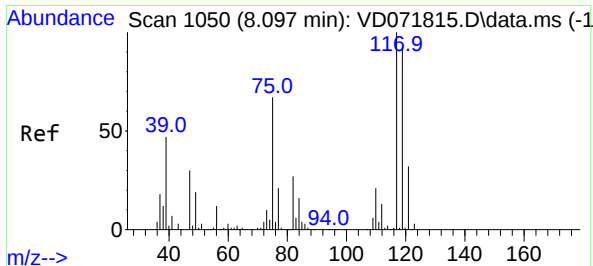


#36
1,1-Dichloropropene
Concen: 2.512 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.147 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19



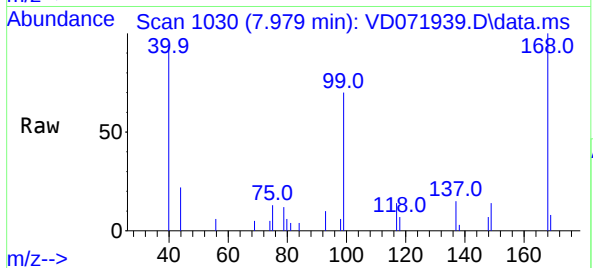
Tgt Ion: 75 Resp: 563
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#



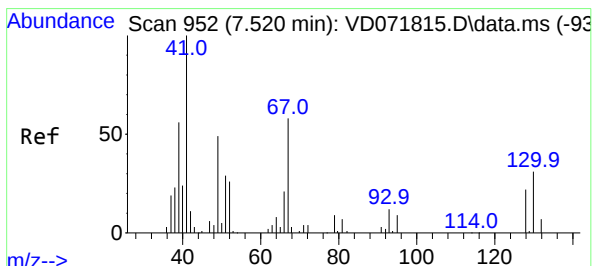
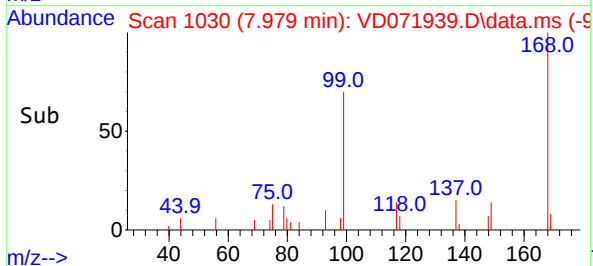
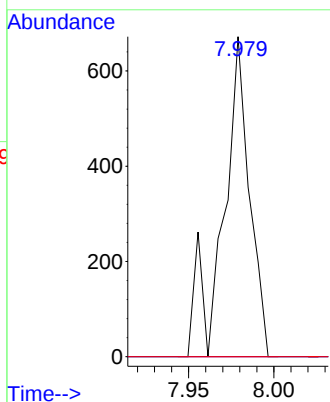


#38
Carbon Tetrachloride
Concen: 3.289 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

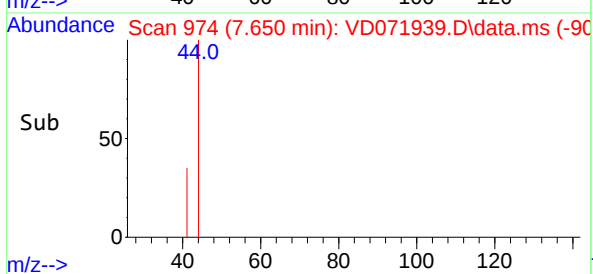
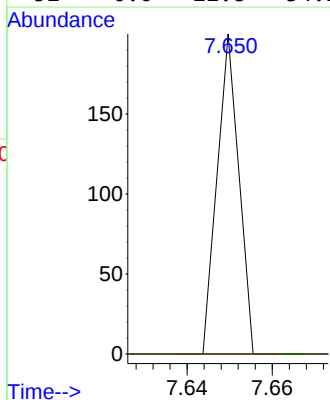
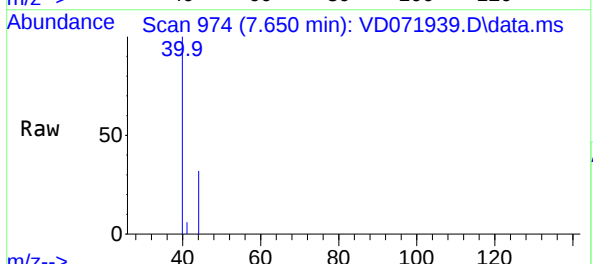


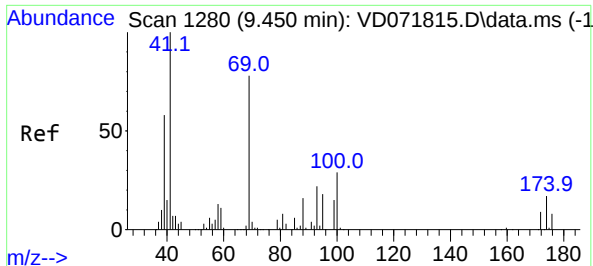
Tgt Ion:117 Resp: 729
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.204 ug/l
RT: 7.650 min Scan# 974
Delta R.T. 0.129 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#





#48

Methyl methacrylate

Concen: 1.120 ug/l

RT: 9.555 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD071939.D

Acq: 11 Feb 2022 16:19

Instrument :

MSVOA_D

ClientSampleId :

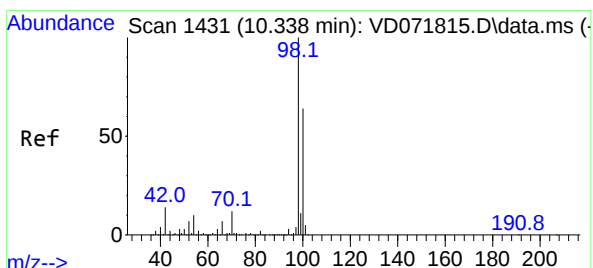
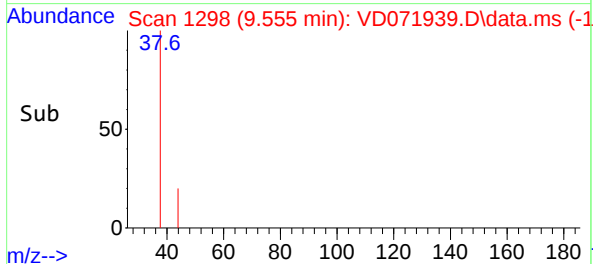
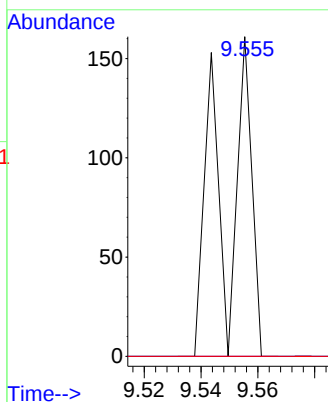
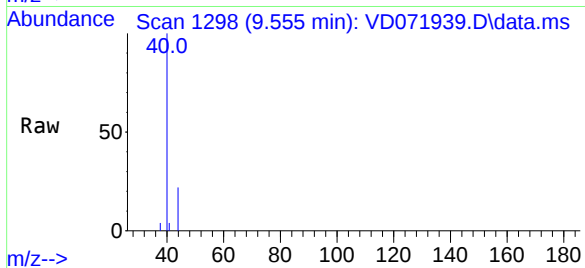
Tgt Ion: 41 Resp: 111

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 45.769 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071939.D

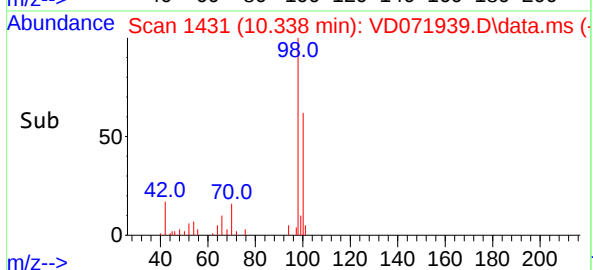
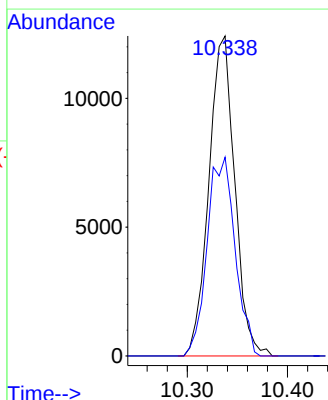
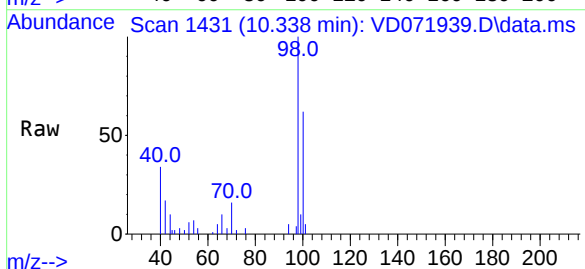
Acq: 11 Feb 2022 16:19

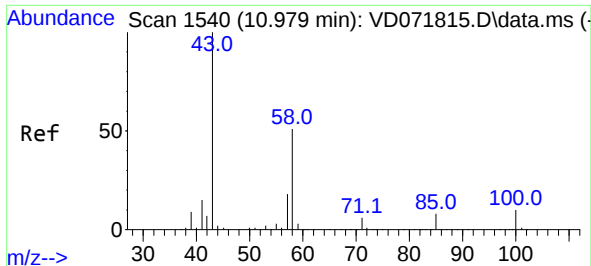
Tgt Ion: 98 Resp: 22320

Ion Ratio Lower Upper

98 100

100 67.0 52.4 78.6

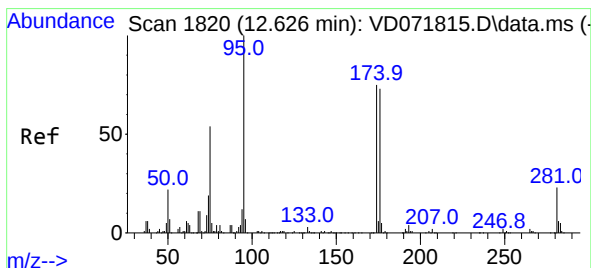
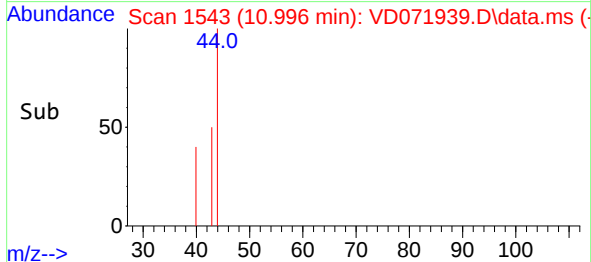
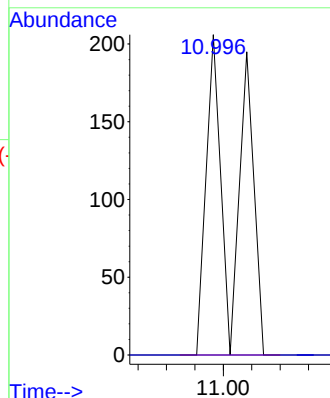
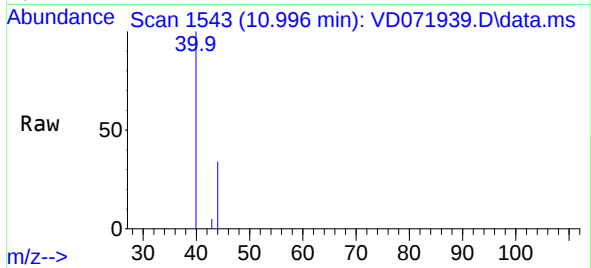




#59
2-Hexanone
Concen: 1.982 ug/l
RT: 10.996 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

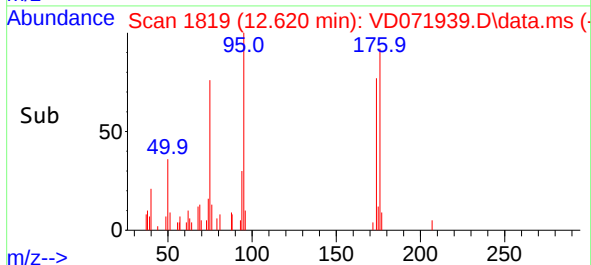
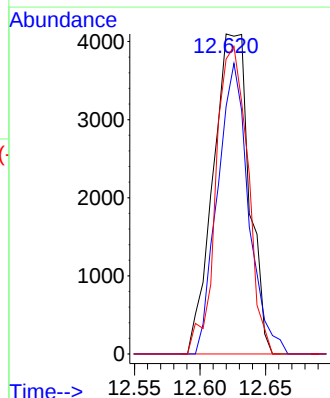
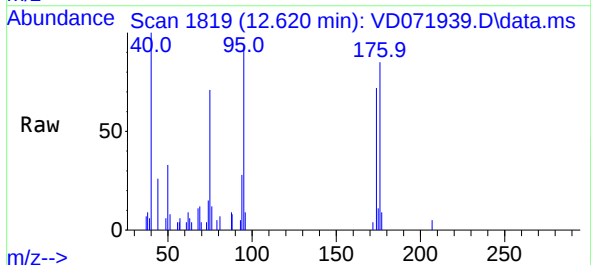
Instrument :
MSVOA_D
ClientSampleId :

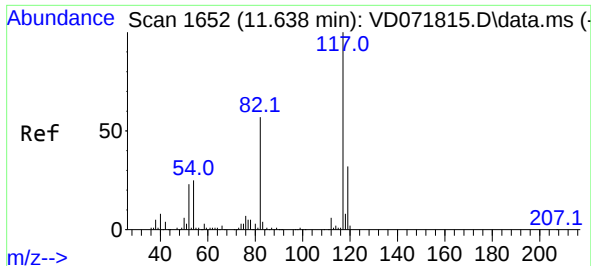
Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 46.160 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

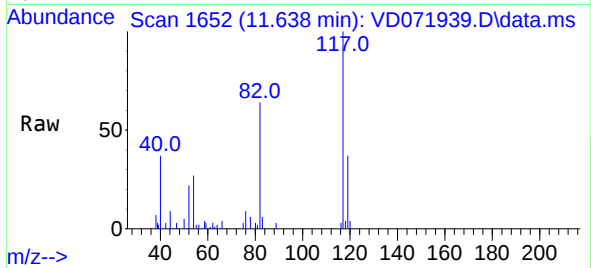
Tgt Ion: 95 Resp: 7861
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 84.3 0.0 145.4



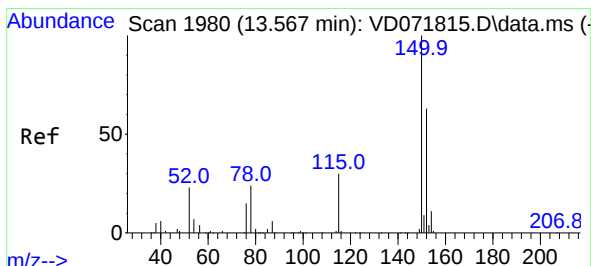
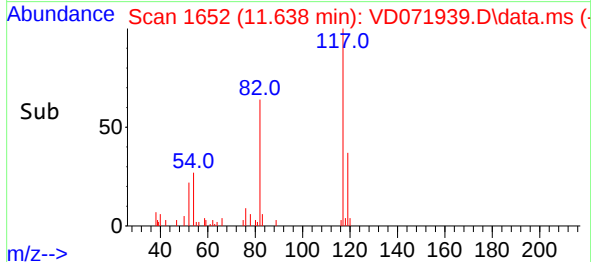
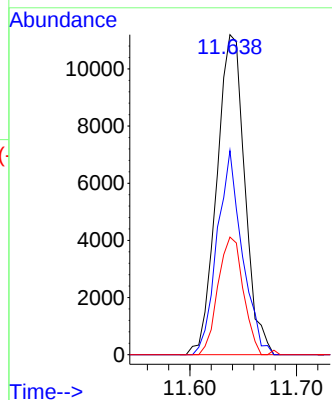


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

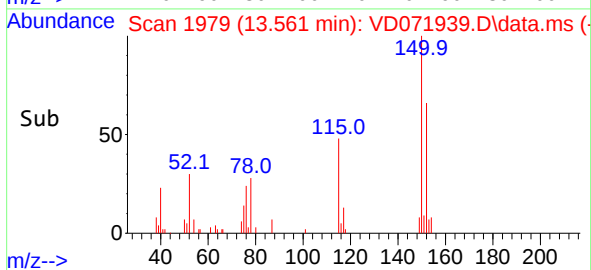
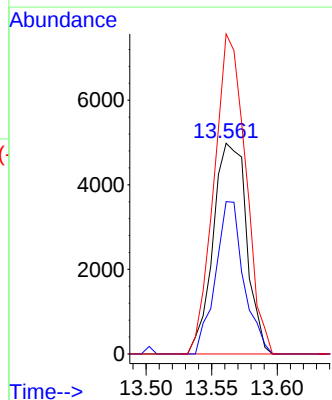
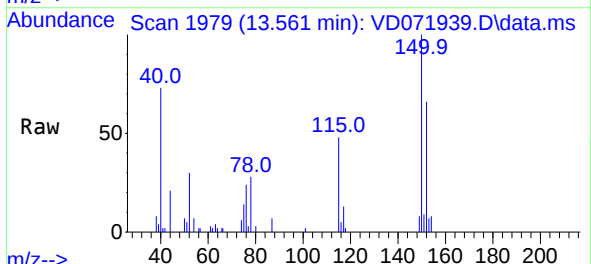


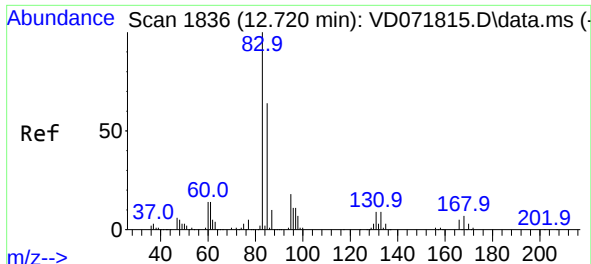
Tgt Ion:	117	Resp:	20433
Ion Ratio	Lower	Upper	
117	100		
82	63.8	45.3	67.9
119	36.8	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion:	152	Resp:	8829
Ion Ratio	Lower	Upper	
152	100		
115	61.1	31.3	93.8
150	143.5	0.0	348.6

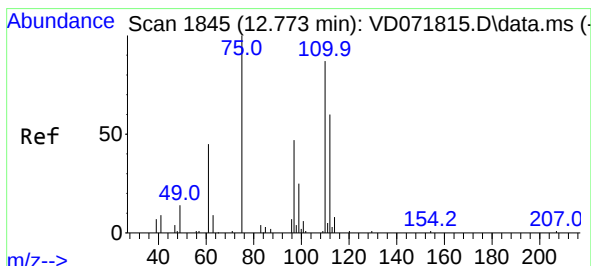
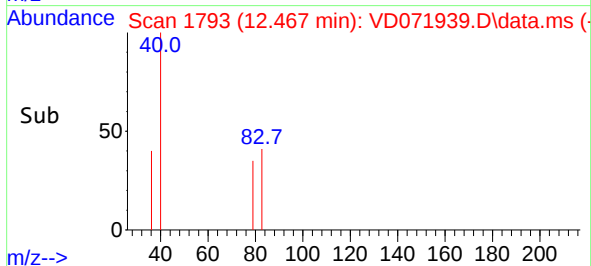
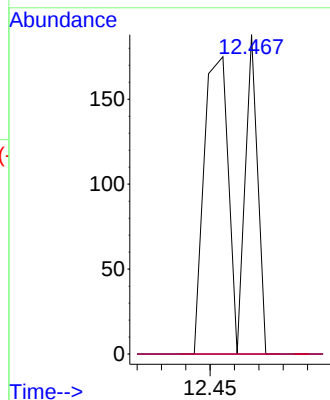
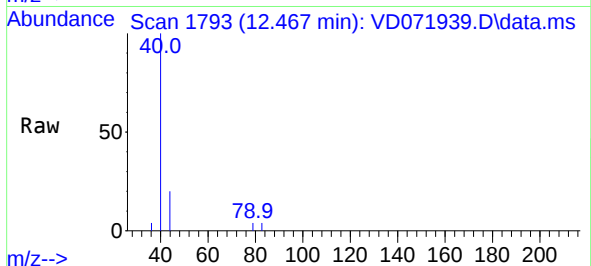




#75
1,1,2,2-Tetrachloroethane
Concen: 1.470 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.253 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

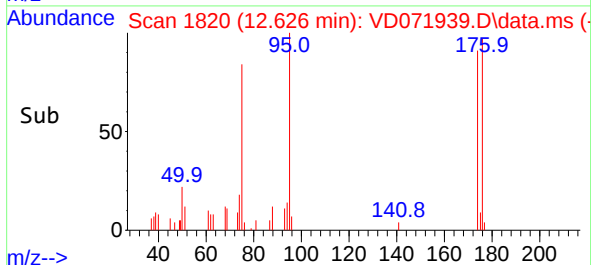
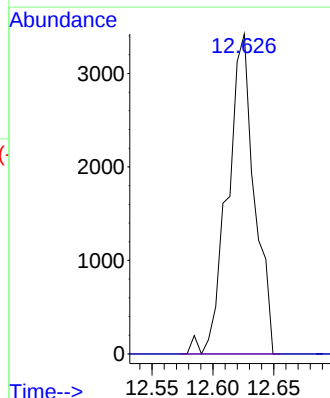
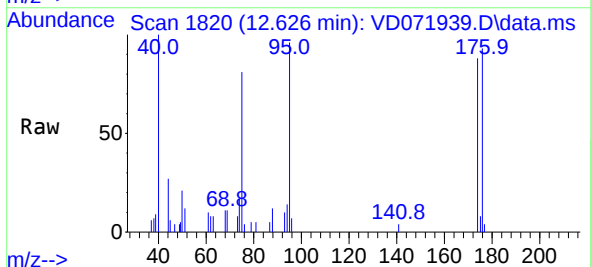
Instrument :
MSVOA_D
ClientSampleId :

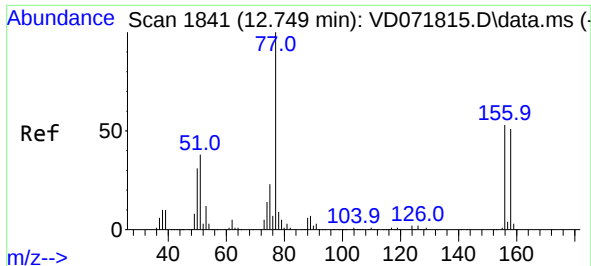
Tgt Ion: 83 Resp: 186
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 56.380 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 75 Resp: 5246
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

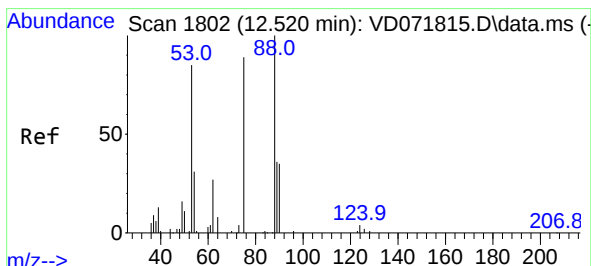
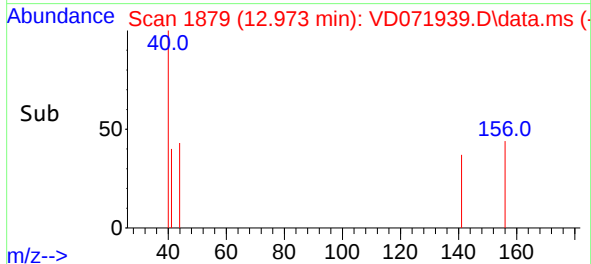
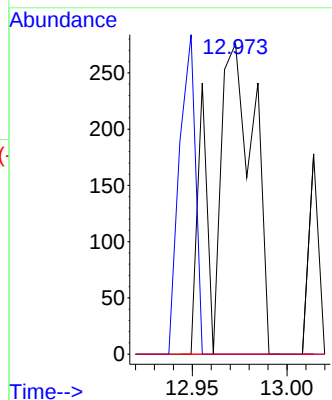
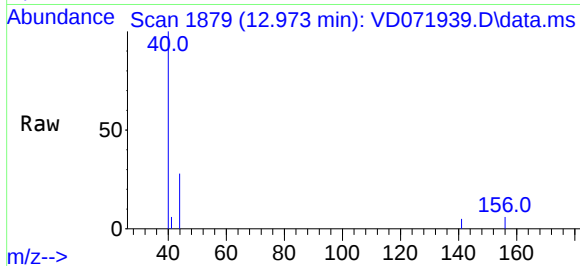




#77
Bromobenzene
Concen: 2.709 ug/l
RT: 12.973 min Scan# 1879
Delta R.T. 0.223 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

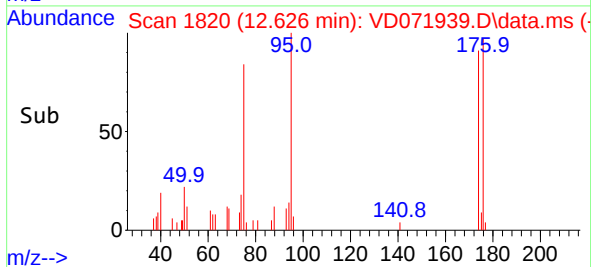
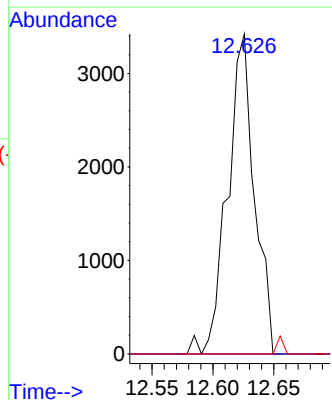
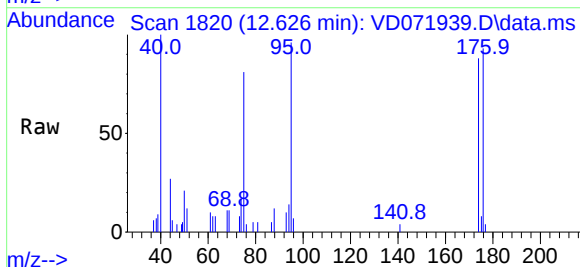
Instrument :
MSVOA_D
ClientSampleId :

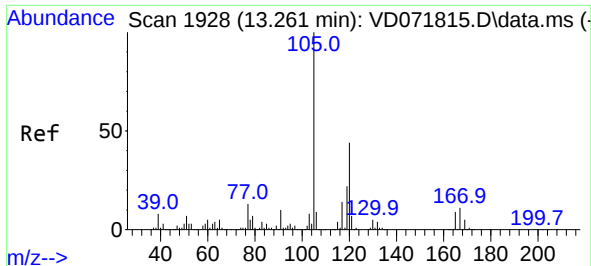
Tgt Ion:156 Resp: 412
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.626 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion: 75 Resp: 5246
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

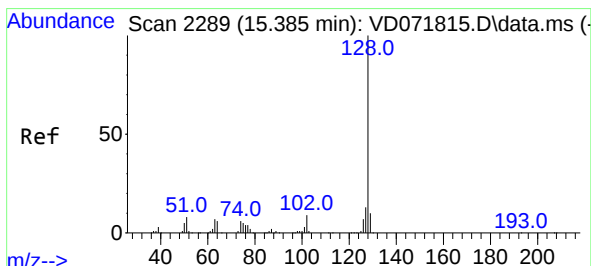
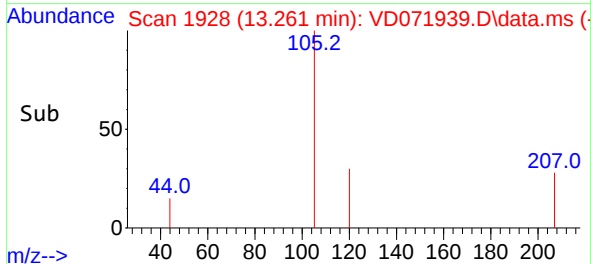
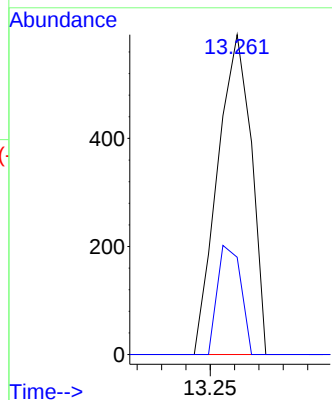
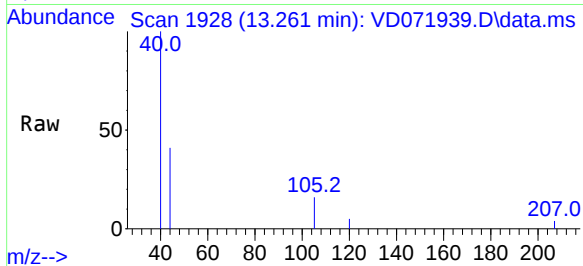




#84
1,2,4-Trimethylbenzene
Concen: 1.020 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 569
Ion Ratio Lower Upper
105 100
120 23.7 22.3 66.8



#95
Naphthalene
Concen: 88.508 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD071939.D
Acq: 11 Feb 2022 16:19

Tgt Ion:128 Resp: 27499
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 12.0 8.4 12.6

