

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071938.D
 Acq On : 11 Feb 2022 15:51
 Operator : VA/SY
 Sample : N1505-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:58:37 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)

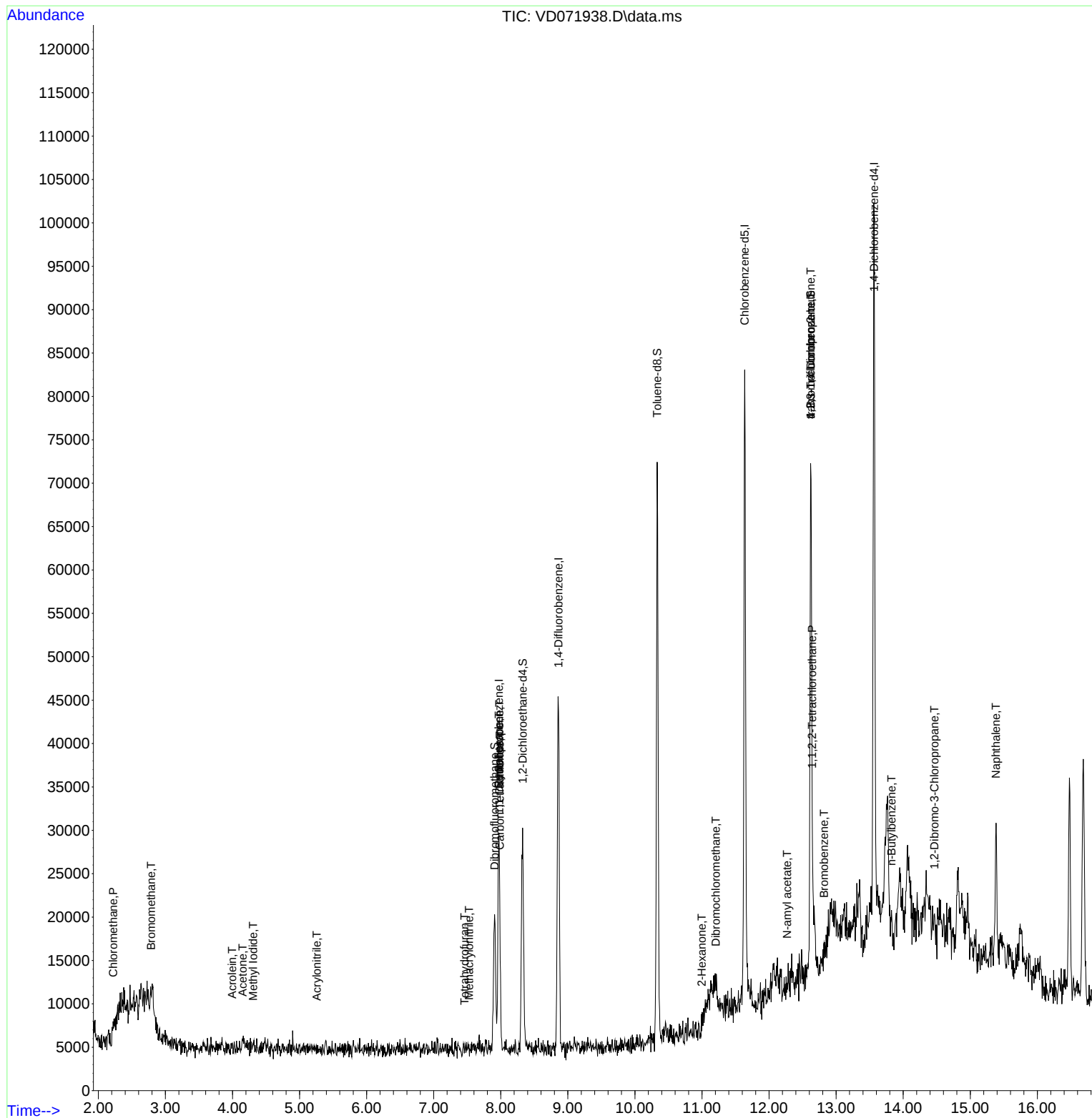
Internal Standards						
1) Pentafluorobenzene	7.973	168	16865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	32908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	37496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	19192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	20341	95.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.840%#	
35) Dibromofluoromethane	7.908	113	11199	51.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.540%	
50) Toluene-d8	10.332	98	42504	52.613	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.220%	
62) 4-Bromofluorobenzene	12.620	95	18760	66.498	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.220	50	417	1.742	ug/l #	40
5) Bromomethane	2.785	94	1644	9.940	ug/l	92
10) Methyl Iodide	4.309	142	853	4.105	ug/l #	46
13) Acrolein	3.997	56	58	3.063	ug/l #	14
15) Acrylonitrile	5.256	53	58	1.204	ug/l #	17
16) Acetone	4.150	43	1265	21.679	ug/l #	47
20) Methylene Chloride	4.973	84	76	Below Cal	#	67
29) Tetrahydrofuran	7.461	42	59	1.466	ug/l #	38
31) Cyclohexane	7.973	56	414	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	1702	4.584	ug/l #	52
38) Carbon Tetrachloride	7.985	117	1952	5.316	ug/l #	13
41) Methacrylonitrile	7.526	41	101	1.034	ug/l #	27
59) 2-Hexanone	10.996	43	723	6.136	ug/l #	27
60) Dibromochloromethane	11.208	129	400	1.804	ug/l	71
74) N-amyl acetate	12.267	43	454	1.242	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.643	83	745	2.709	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	10053	49.703	ug/l #	100
77) Bromobenzene	12.820	156	352	1.065	ug/l #	33
81) trans-1,4-Dichloro-2-b...	12.620	75	10053	122.209	ug/l #	8
89) n-Butylbenzene	13.826	91	1546	1.213	ug/l #	37
92) 1,2-Dibromo-3-Chloropr...	14.467	75	71	1.559	ug/l #	6
95) Naphthalene	15.384	128	12084	19.052	ug/l #	92

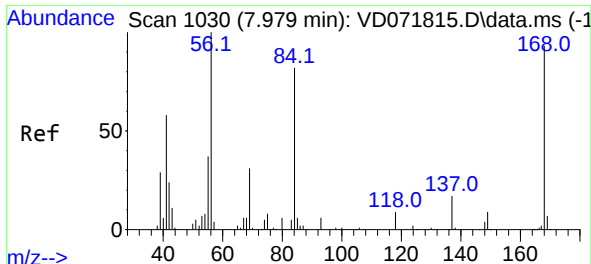
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

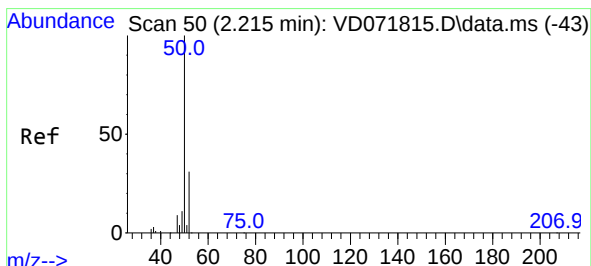
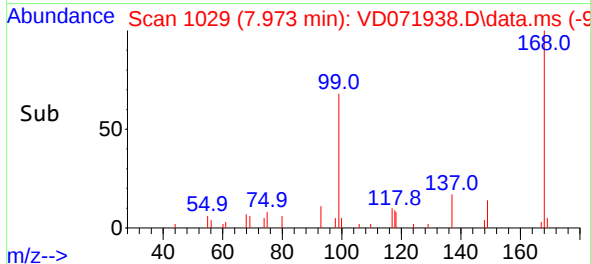
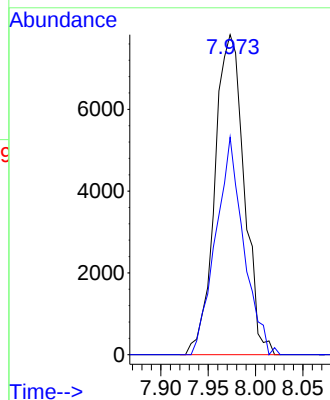
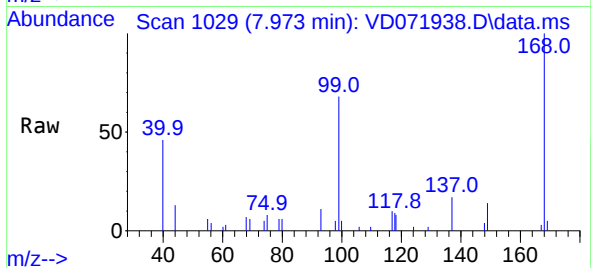




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

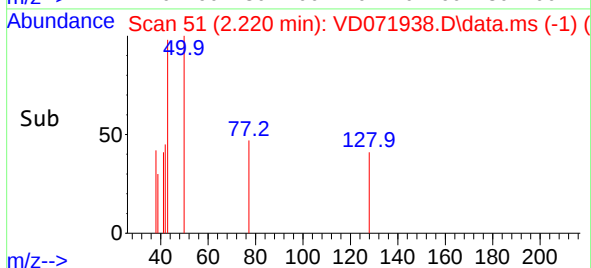
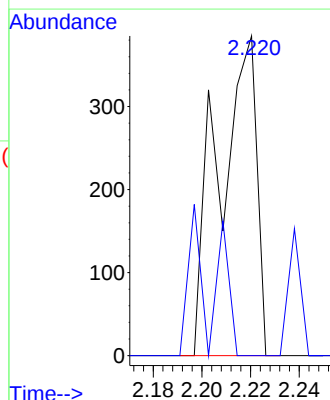
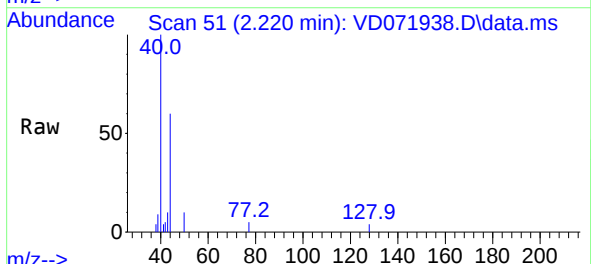
Instrument :
MSVOA_D
ClientSampleId :

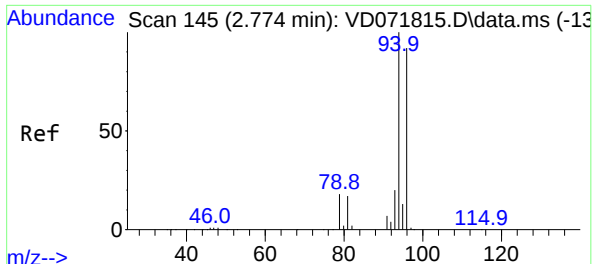
Tgt Ion:168 Resp: 16865
Ion Ratio Lower Upper
168 100
99 68.0 49.8 74.6



#3
Chloromethane
Concen: 1.742 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

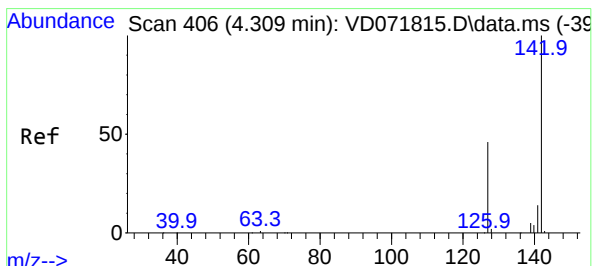
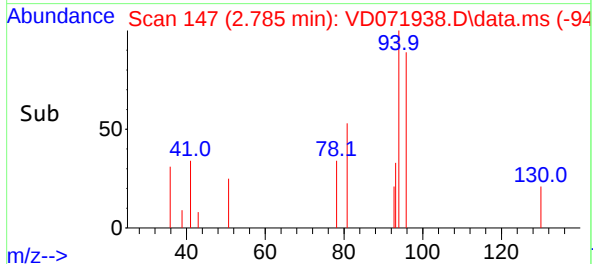
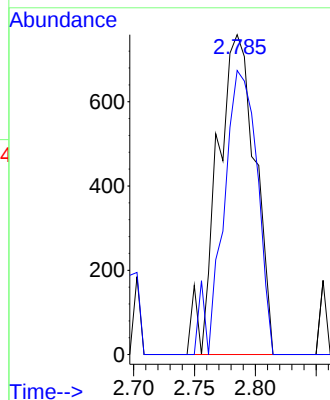
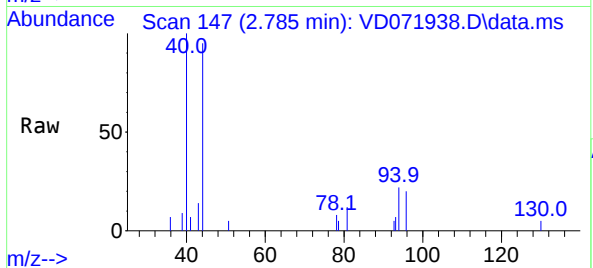




#5
Bromomethane
Concen: 9.940 ug/l
RT: 2.785 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

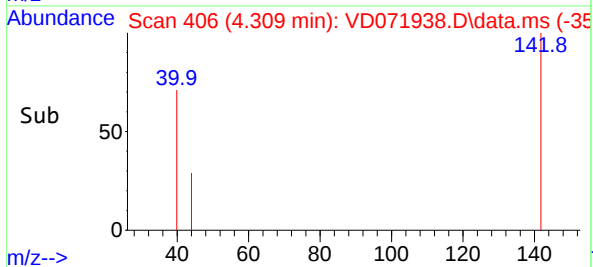
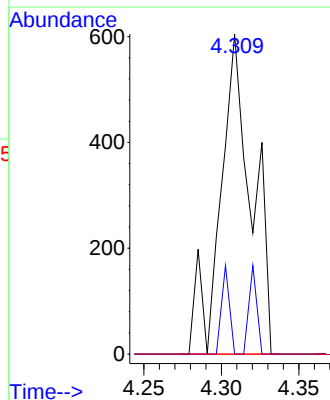
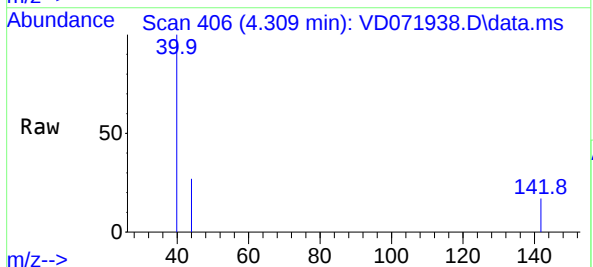
Instrument :
MSVOA_D
ClientSampleId :

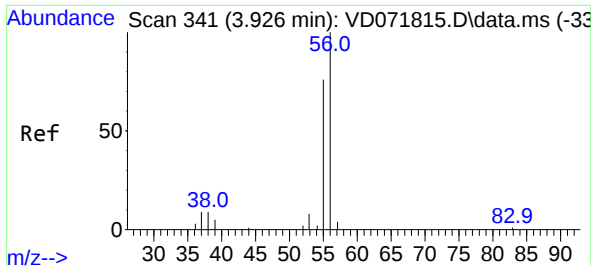
Tgt Ion: 94 Resp: 1644
Ion Ratio Lower Upper
94 100
96 88.8 77.6 116.4



#10
Methyl Iodide
Concen: 4.105 ug/l
RT: 4.309 min Scan# 406
Delta R.T. -0.000 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

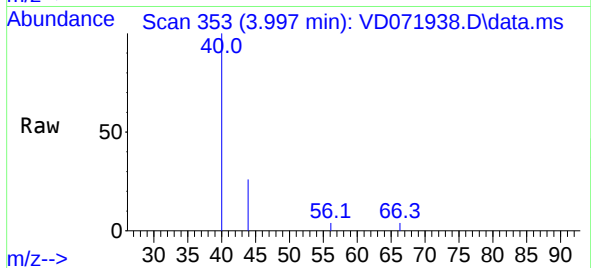
Tgt Ion:142 Resp: 853
Ion Ratio Lower Upper
142 100
127 6.9 37.3 55.9#
141 0.0 11.7 17.5#



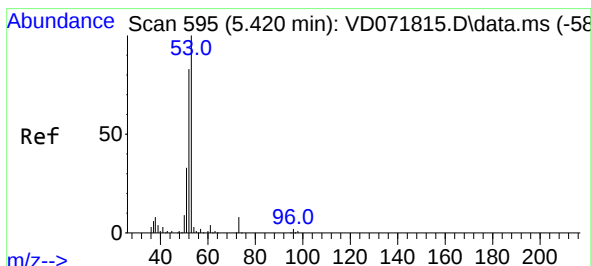
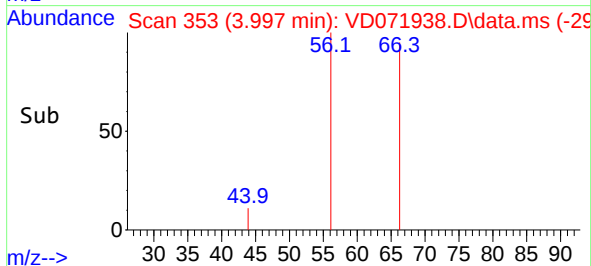
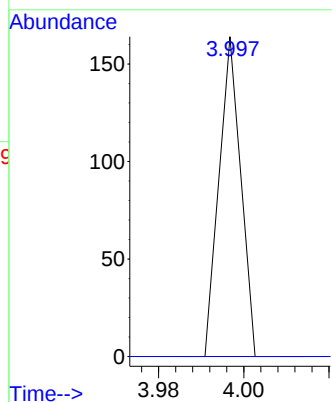


#13
Acrolein
Concen: 3.063 ug/l
RT: 3.997 min Scan# 31
Delta R.T. 0.070 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :

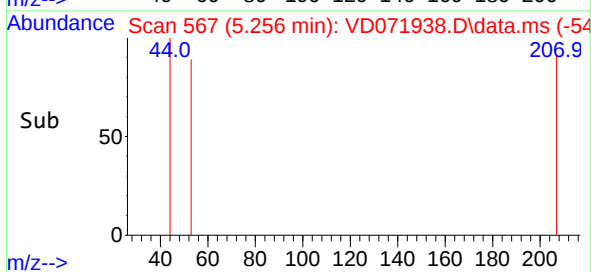
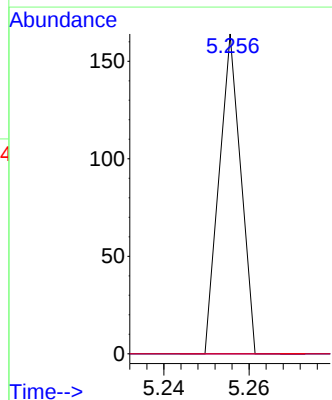
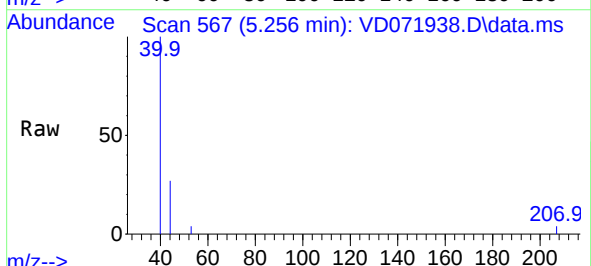


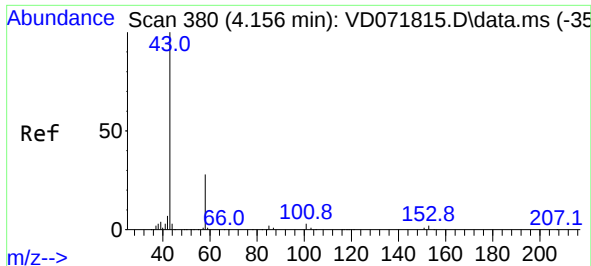
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#15
Acrylonitrile
Concen: 1.204 ug/l
RT: 5.256 min Scan# 567
Delta R.T. -0.165 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Tgt Ion: 53 Resp: 58
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 0.0 30.3 45.5#

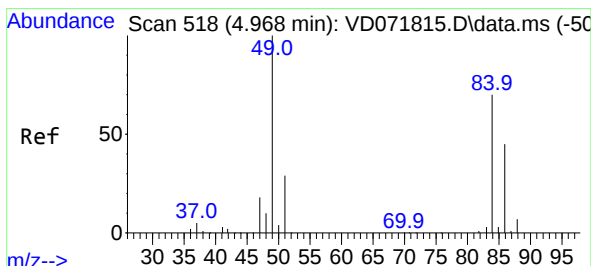
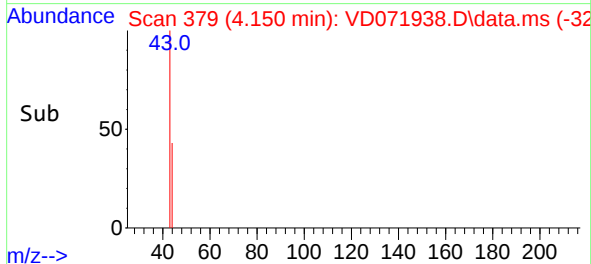
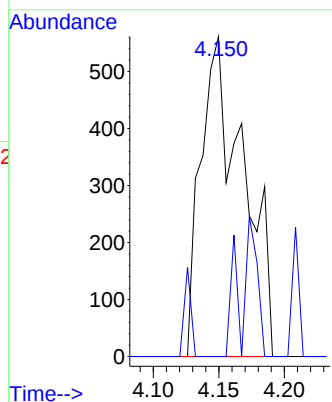
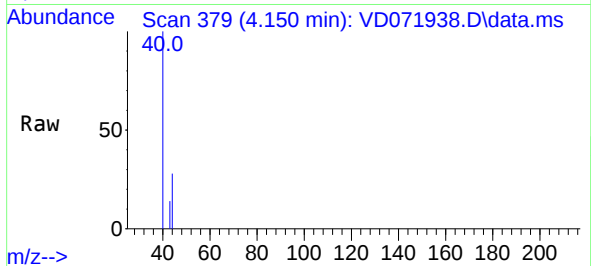




#16
Acetone
Concen: 21.679 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

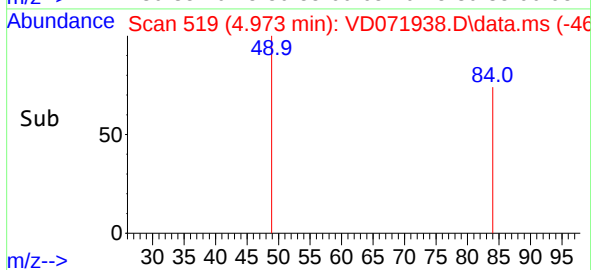
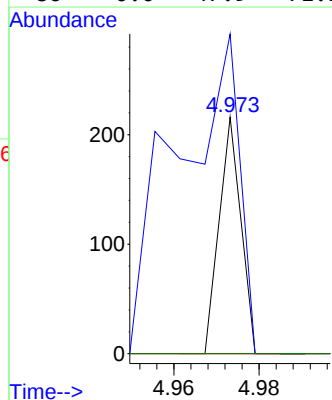
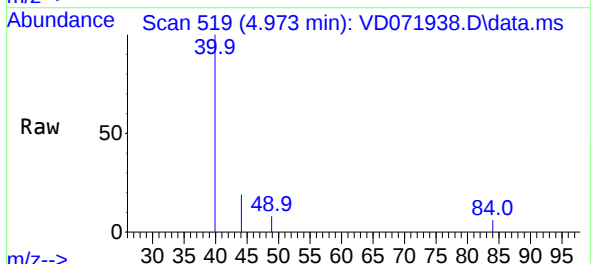
Instrument :
MSVOA_D
ClientSampleId :

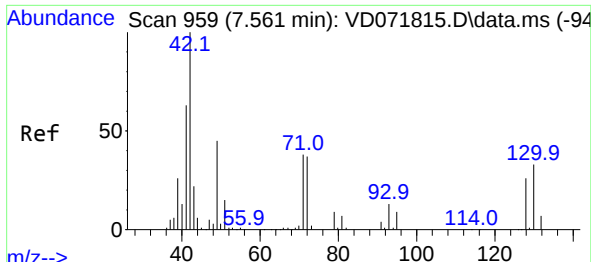
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

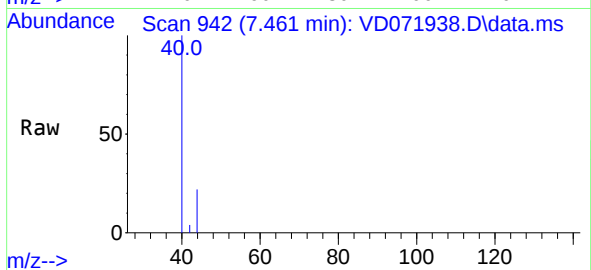
Tgt Ion: 84 Resp: 76
Ion Ratio Lower Upper
84 100
49 135.2 112.8 169.2
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#



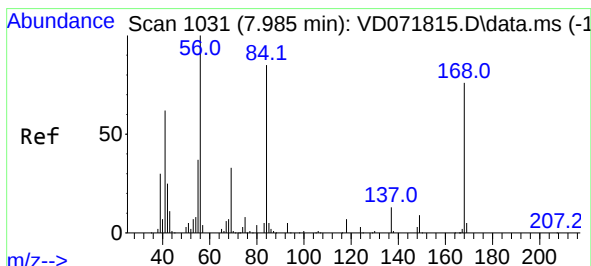
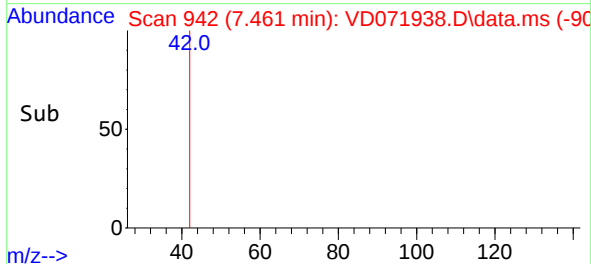
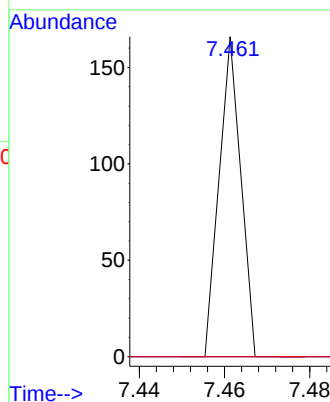


#29
Tetrahydrofuran
Concen: 1.466 ug/l
RT: 7.461 min Scan# 94
Delta R.T. -0.100 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :

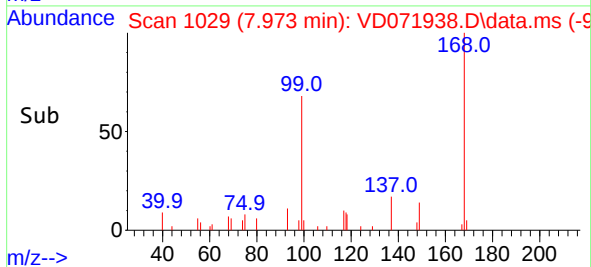
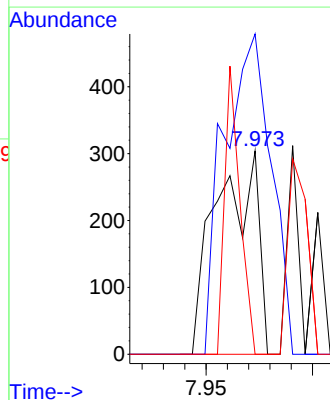
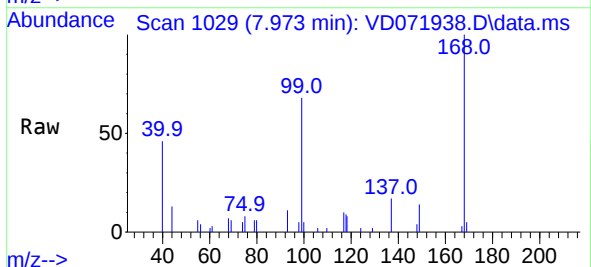


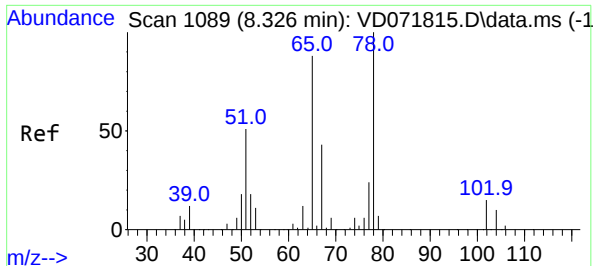
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Tgt Ion: 56 Resp: 414
Ion Ratio Lower Upper
56 100
69 157.6 25.4 38.2#
84 0.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 95.424 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071938.D

Acq: 11 Feb 2022 15:51

Instrument :

MSVOA_D

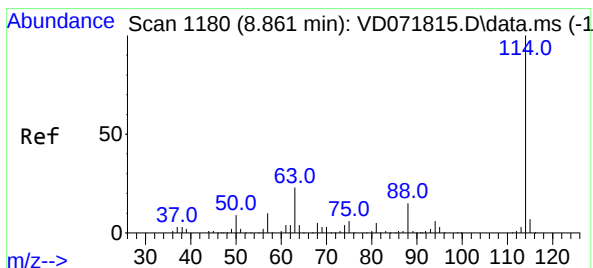
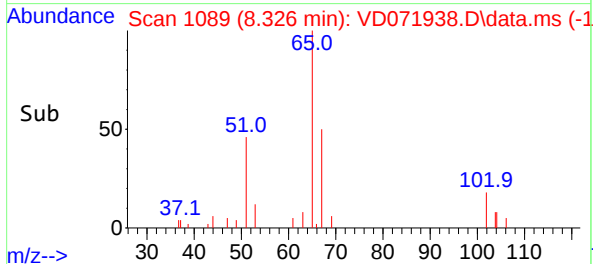
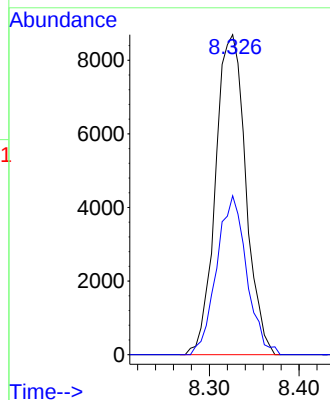
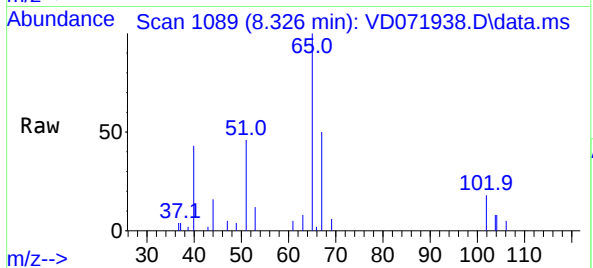
ClientSampleId :

Tgt Ion: 65 Resp: 20341

Ion Ratio Lower Upper

65 100

67 49.3 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: VD071938.D

Acq: 11 Feb 2022 15:51

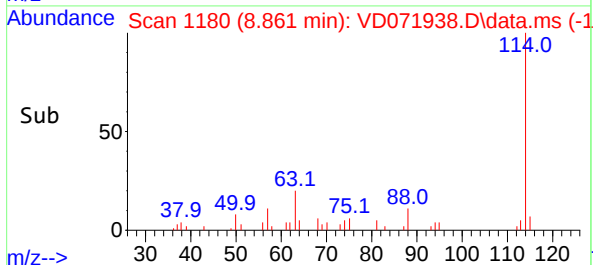
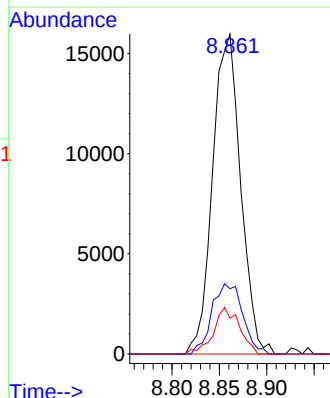
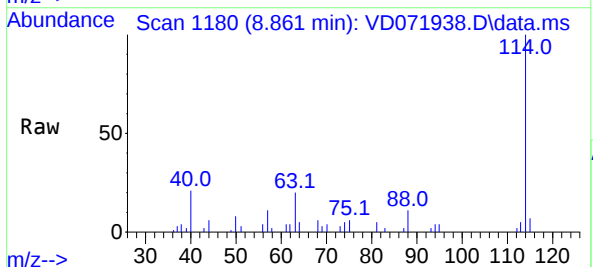
Tgt Ion: 114 Resp: 32908

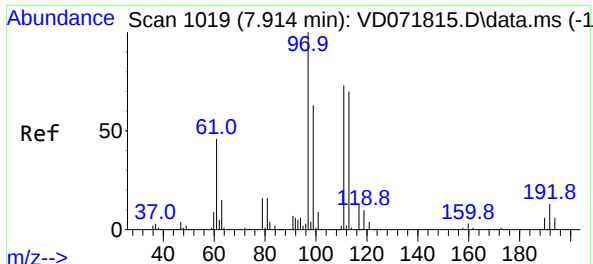
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

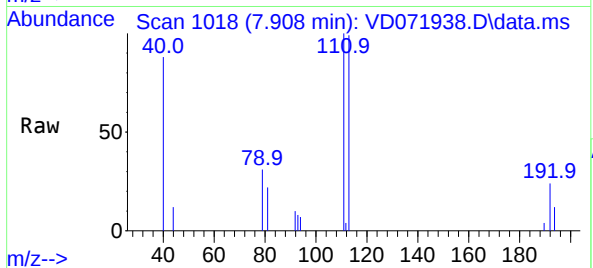
88 11.2 0.0 33.2



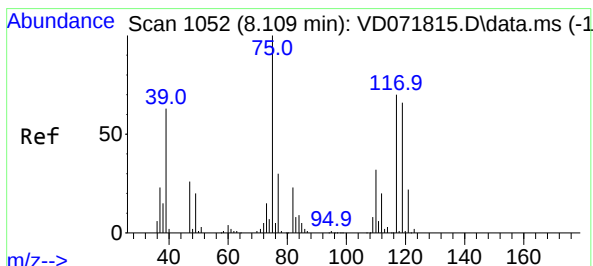
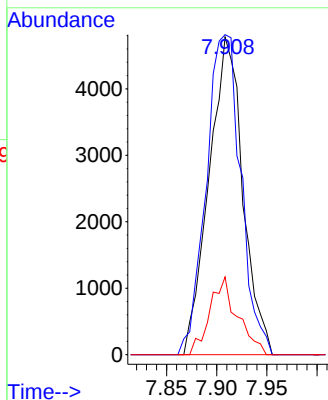
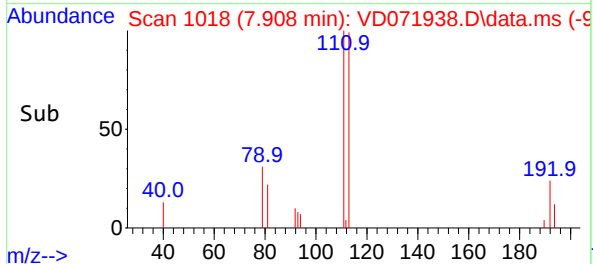


#35
Dibromofluoromethane
Concen: 51.772 ug/l
RT: 7.908 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

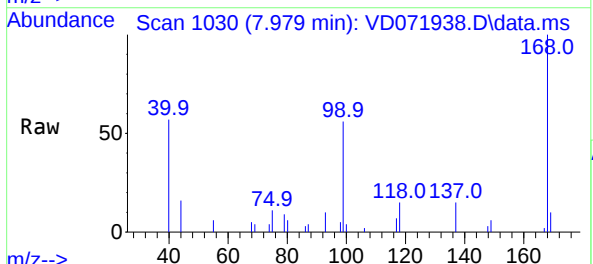
Instrument :
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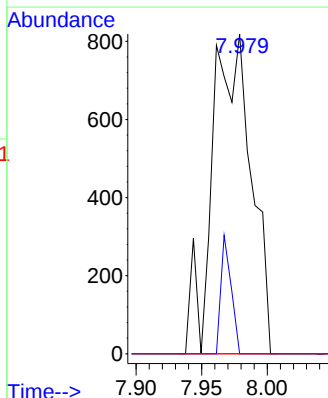
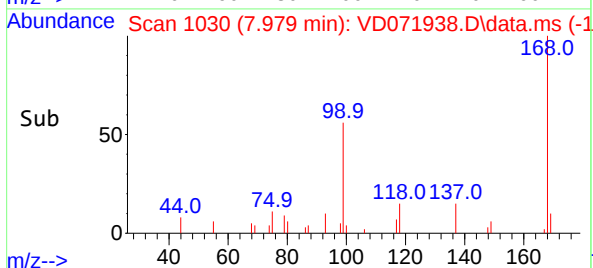
Tgt Ion:113 Resp: 11199
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.6
192 20.1 14.6 21.8

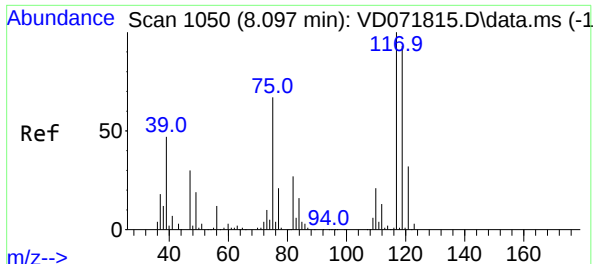


#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51



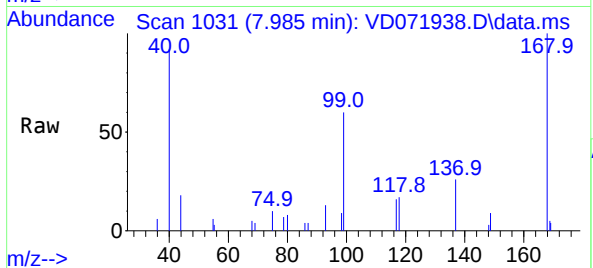
Tgt Ion: 75 Resp: 1702
Ion Ratio Lower Upper
75 100
110 9.6 16.4 49.1#
77 0.0 24.2 36.2#



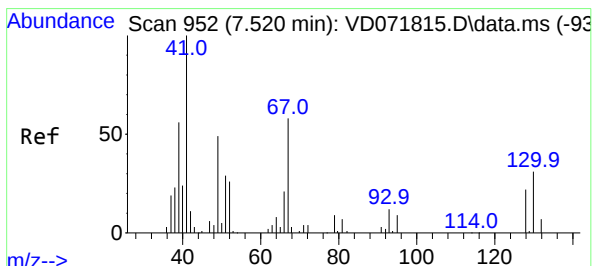
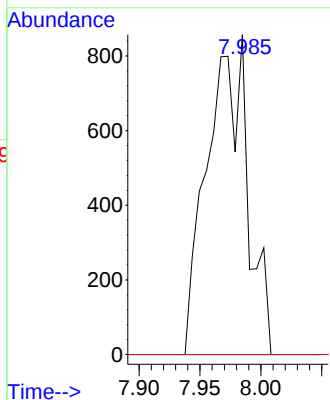
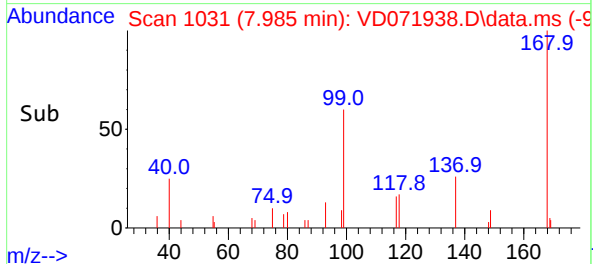


#38
Carbon Tetrachloride
Concen: 5.316 ug/l
RT: 7.985 min Scan# 1050
Delta R.T. -0.112 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

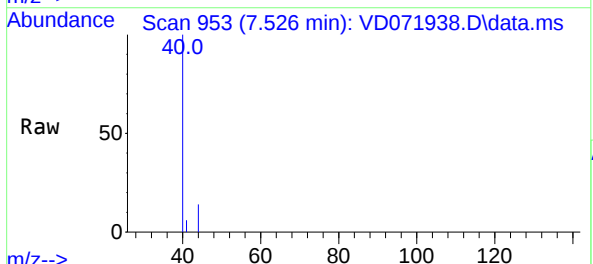
Instrument :
MSVOA_D
ClientSampleId :



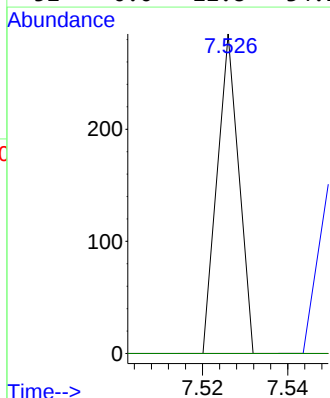
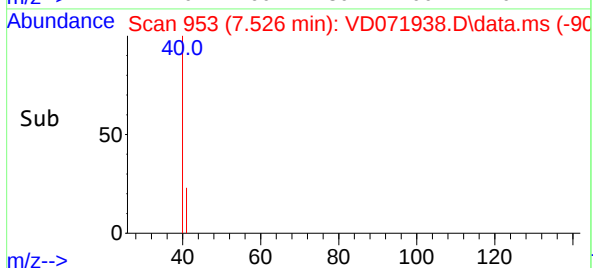
Tgt Ion:117 Resp: 1952
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

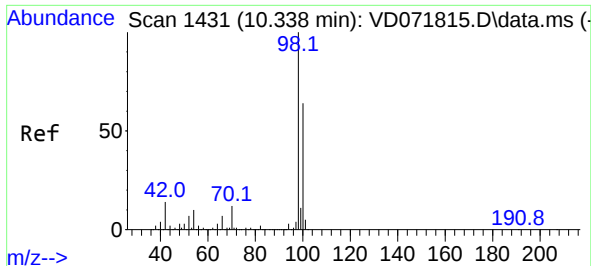


#41
Methacrylonitrile
Concen: 1.034 ug/l
RT: 7.526 min Scan# 953
Delta R.T. 0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51



Tgt Ion: 41 Resp: 101
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#

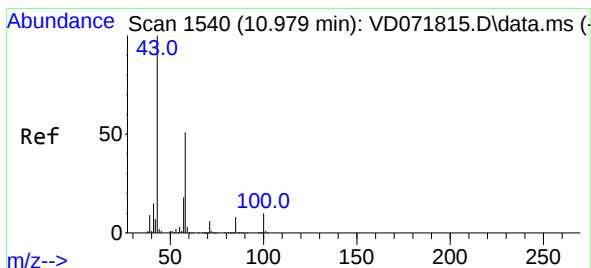
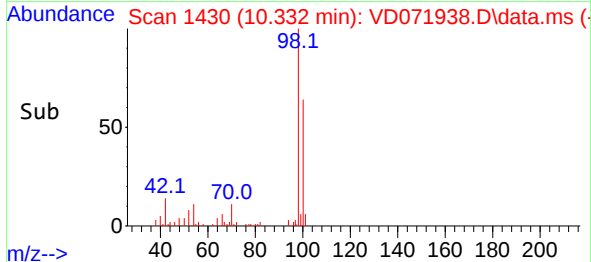
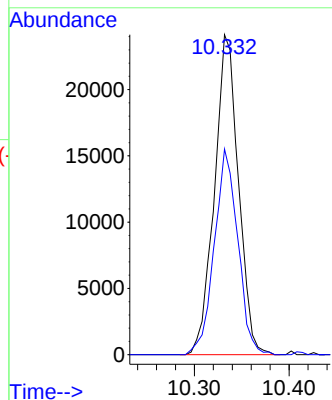
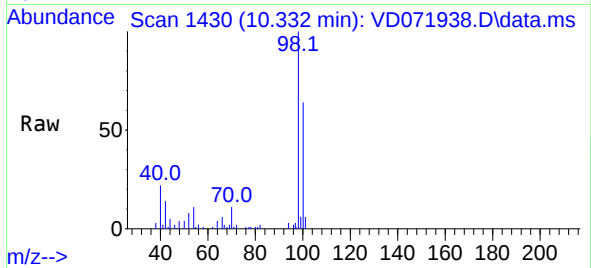




#50
Toluene-d8
Concen: 52.613 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

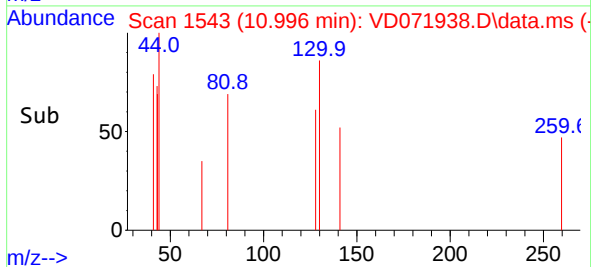
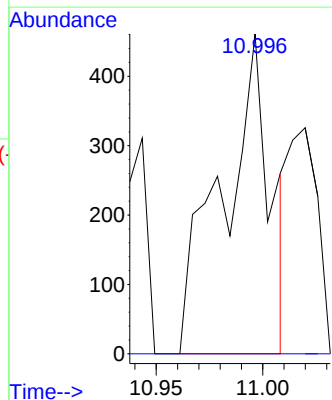
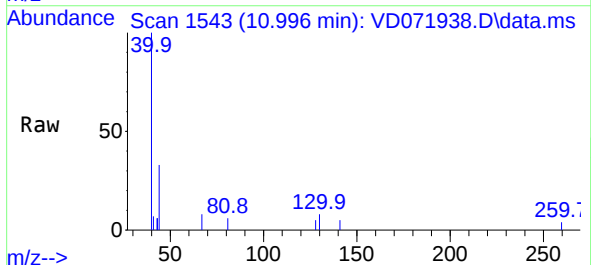
Instrument :
MSVOA_D
ClientSampleId :

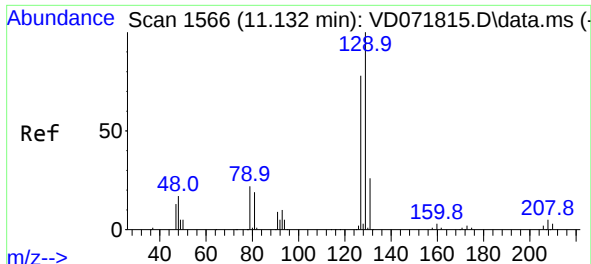
Tgt Ion: 98 Resp: 42504
Ion Ratio Lower Upper
98 100
100 62.9 52.4 78.6



#59
2-Hexanone
Concen: 6.136 ug/l
RT: 10.996 min Scan# 1543
Delta R.T. 0.017 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

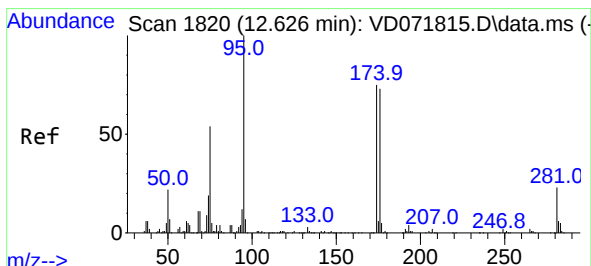
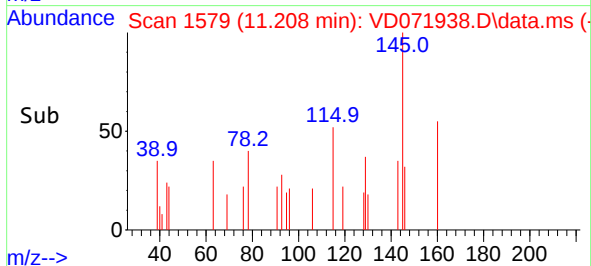
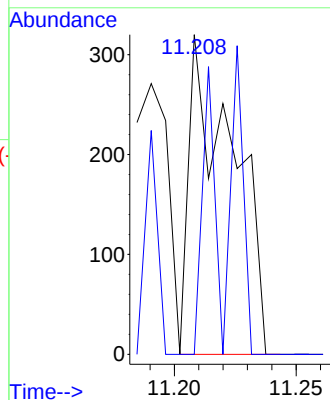
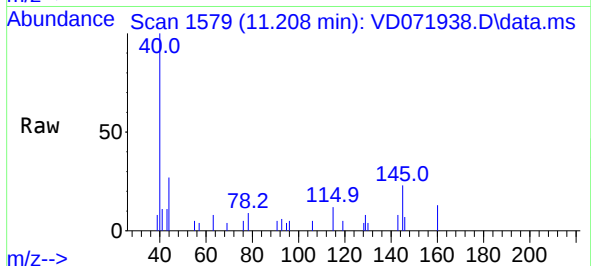




#60
Dibromochloromethane
Concen: 1.804 ug/l
RT: 11.208 min Scan# 11
Delta R.T. 0.076 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

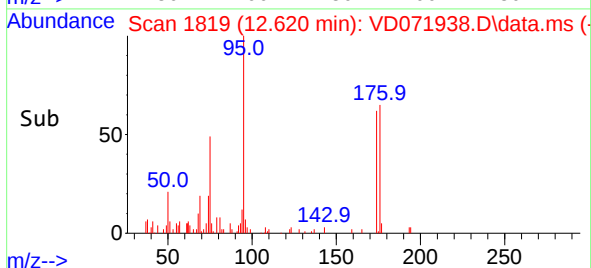
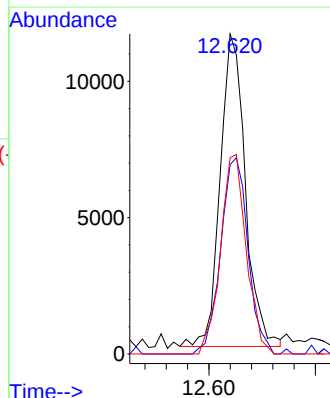
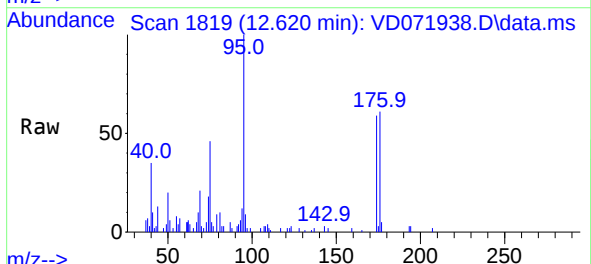
Instrument :
MSVOA_D
ClientSampleId :

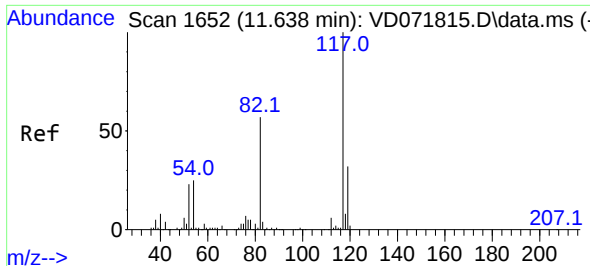
Tgt Ion:129 Resp: 400
Ion Ratio Lower Upper
129 100
127 52.8 39.2 117.6



#62
4-Bromofluorobenzene
Concen: 66.498 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

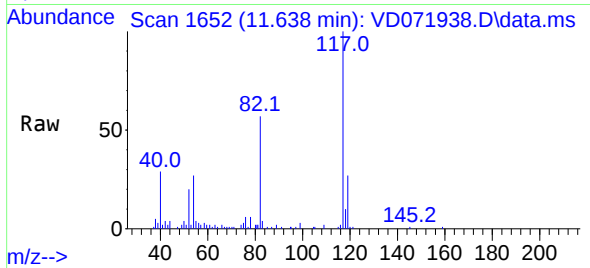
Tgt Ion: 95 Resp: 18760
Ion Ratio Lower Upper
95 100
174 68.1 0.0 152.8
176 65.4 0.0 145.4



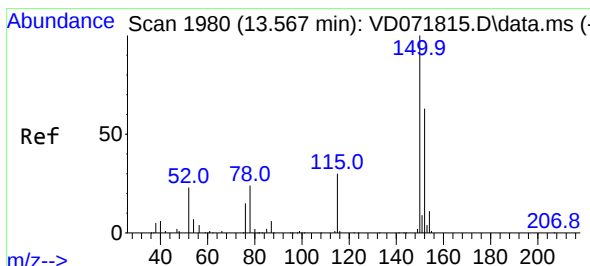
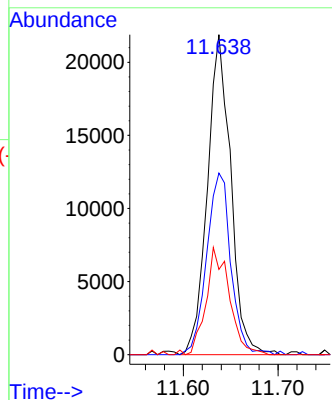
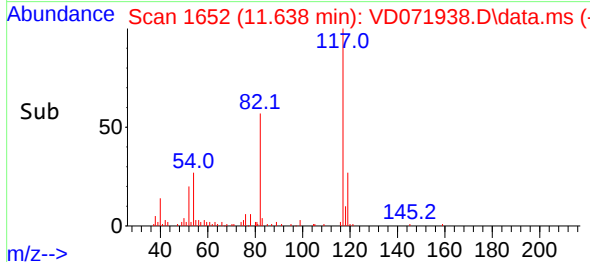


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

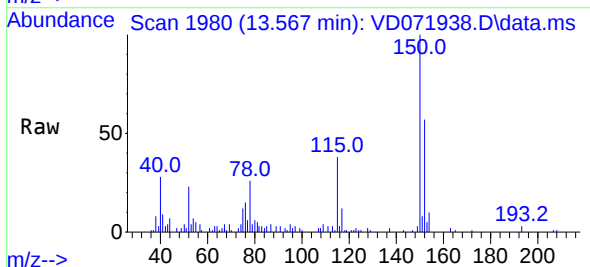
Instrument :
MSVOA_D
ClientSampleId :



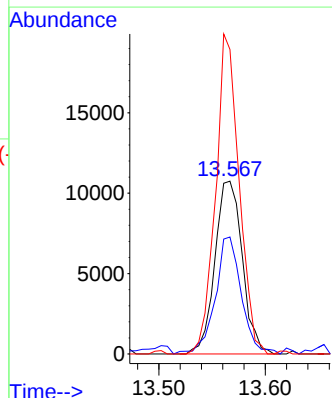
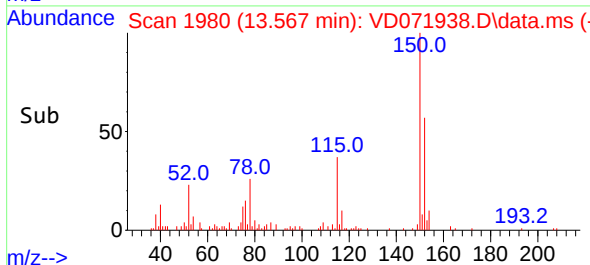
Tgt Ion:117 Resp: 37496
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 26.7 26.6 40.0

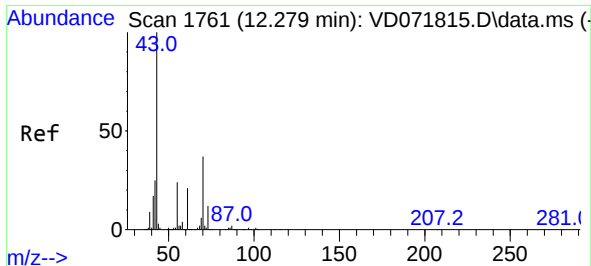


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51



Tgt Ion:152 Resp: 19192
Ion Ratio Lower Upper
152 100
115 64.2 31.3 93.8
150 159.0 0.0 348.6



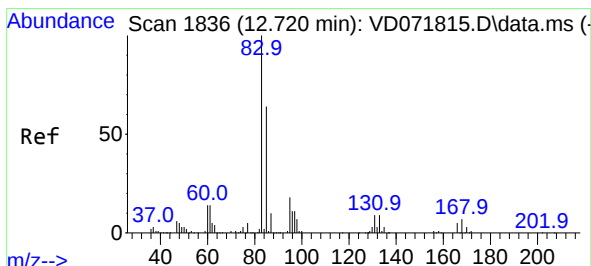
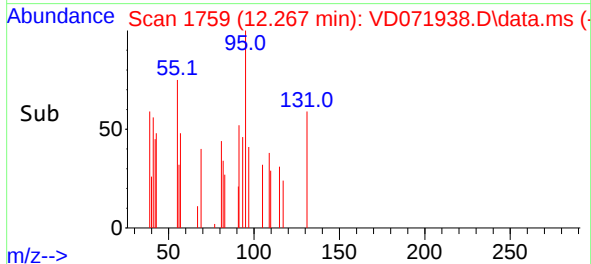
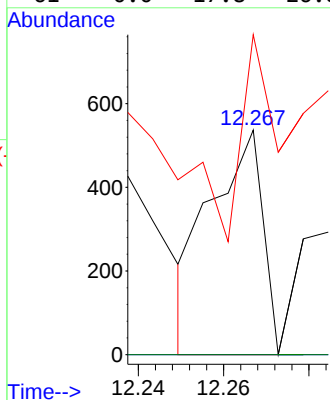
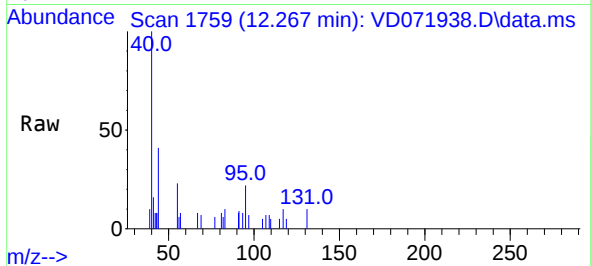


#74
N-amy1 acetate
Concen: 1.242 ug/l
RT: 12.267 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 454

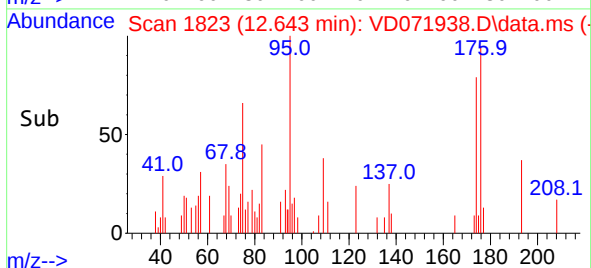
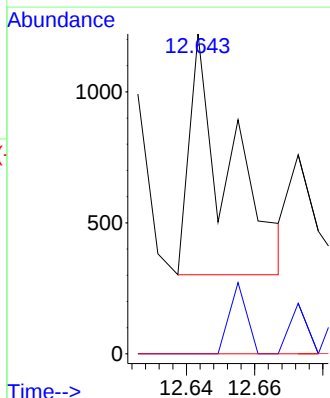
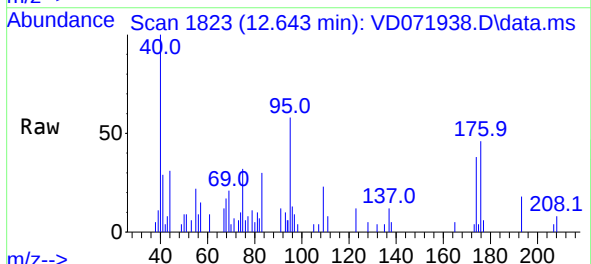
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	78.9	20.0	30.0#
61	0.0	17.8	26.8#

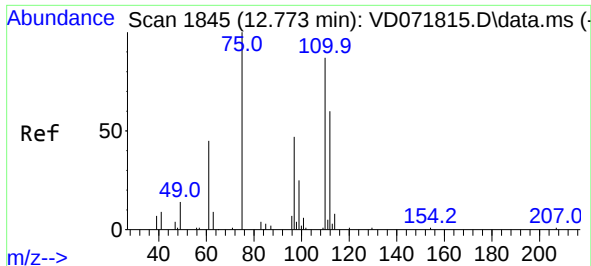


#75
1,1,2,2-Tetrachloroethane
Concen: 2.709 ug/l
RT: 12.643 min Scan# 1823
Delta R.T. -0.077 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Tgt Ion: 83 Resp: 745

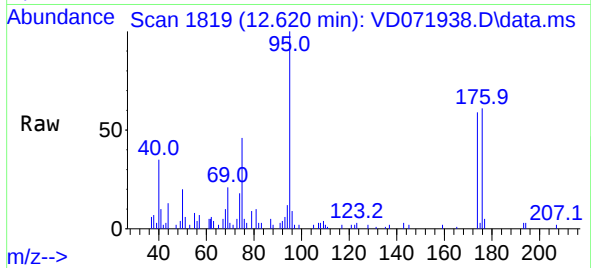
Ion	Ratio	Lower	Upper
83	100		
131	12.9	5.0	14.9
85	0.0	32.6	98.0#



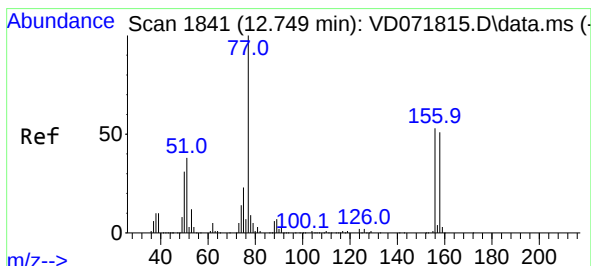
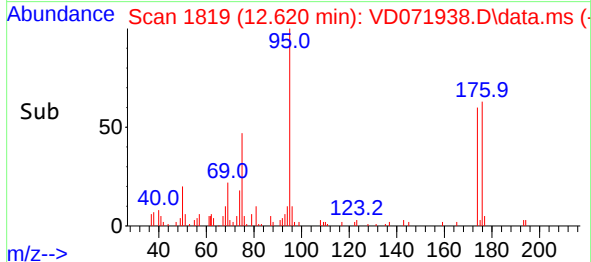
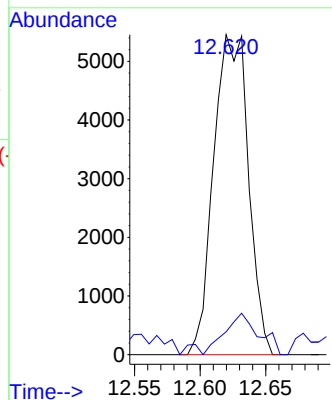


#76
1,2,3-Trichloropropane
Concen: 49.703 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :

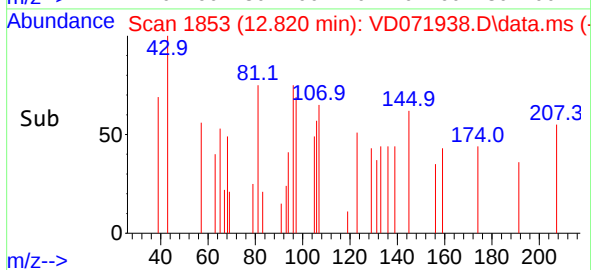
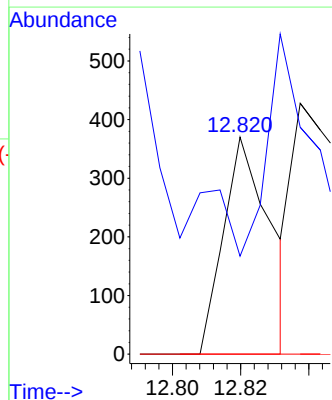
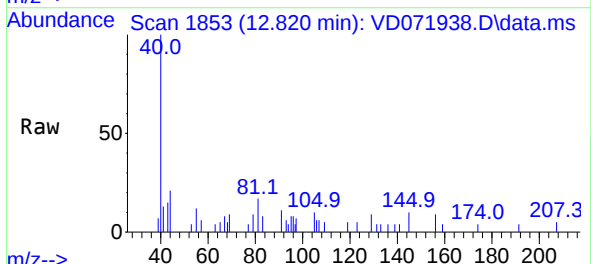


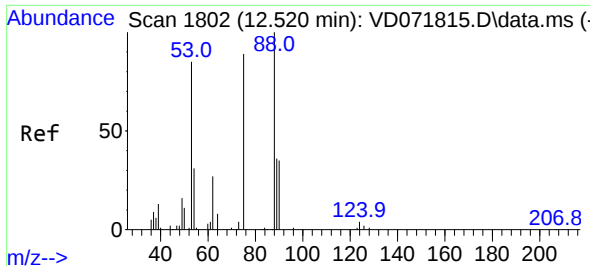
Tgt Ion: 75 Resp: 10053
Ion Ratio Lower Upper
75 100
77 12.7 0.0 0.0#



#77
Bromobenzene
Concen: 1.065 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.070 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

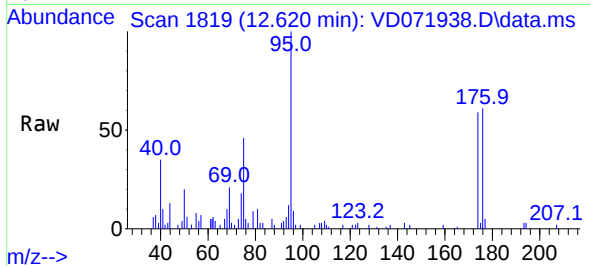
Tgt Ion:156 Resp: 352
Ion Ratio Lower Upper
156 100
77 124.7 102.8 308.3
158 0.0 48.7 146.1#



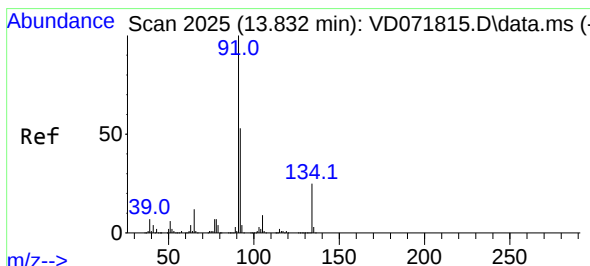
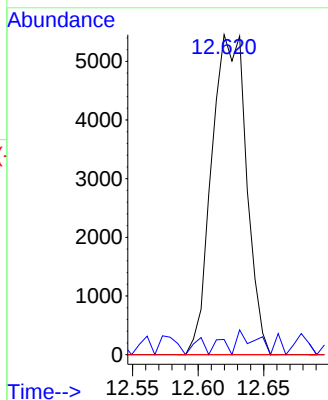
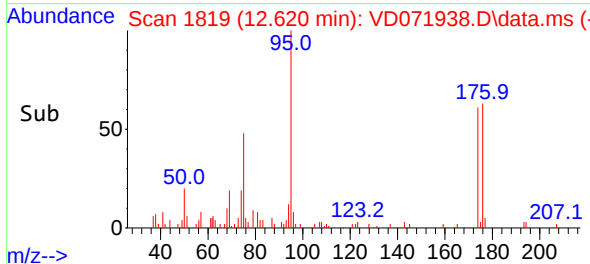


#81
trans-1,4-Dichloro-2-butene
Concen: 122.209 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

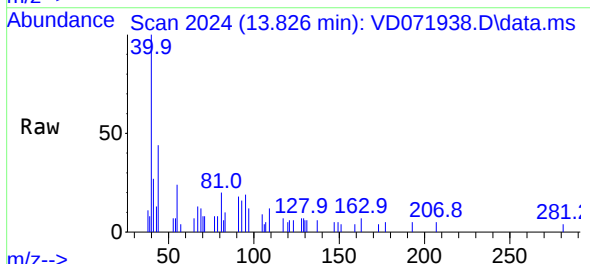
Instrument :
MSVOA_D
ClientSampleId :



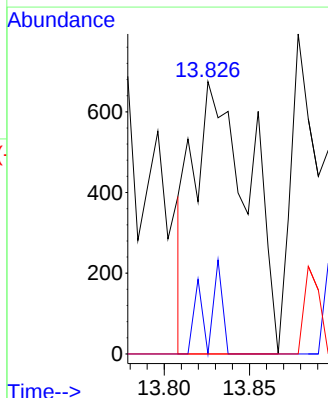
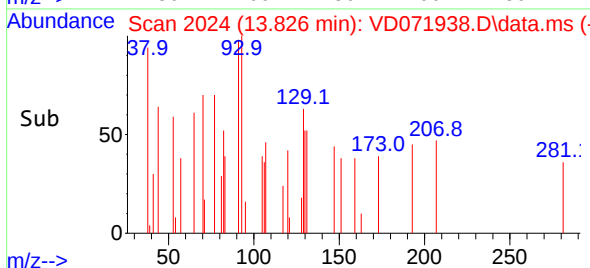
Tgt Ion: 75 Resp: 10053
Ion Ratio Lower Upper
75 100
53 1.8 86.5 129.7#
89 0.0 33.9 50.9#

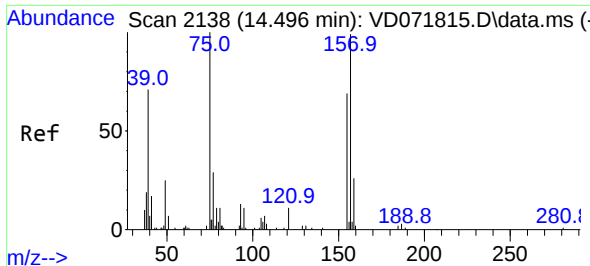


#89
n-Butylbenzene
Concen: 1.213 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51



Tgt Ion: 91 Resp: 1546
Ion Ratio Lower Upper
91 100
92 4.2 26.6 79.8#
134 0.0 12.3 36.9#

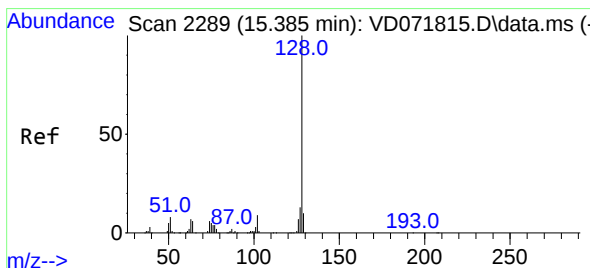
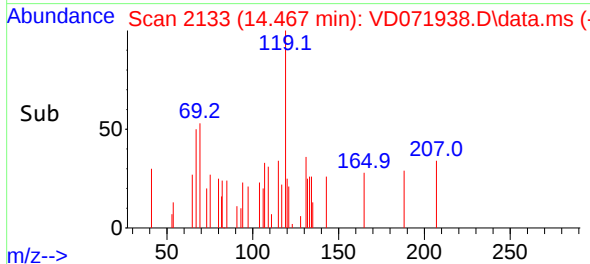
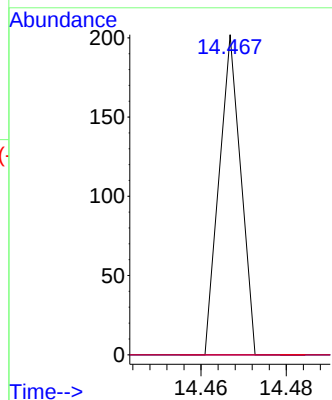
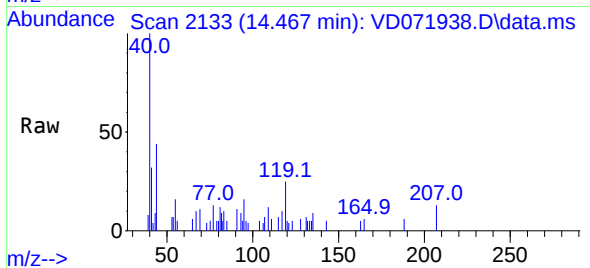




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.559 ug/l
RT: 14.467 min Scan# 2138
Delta R.T. -0.024 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 71
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 19.052 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071938.D
Acq: 11 Feb 2022 15:51

Tgt Ion:128 Resp: 12084
Ion Ratio Lower Upper
128 100
127 15.6 10.3 15.5#
129 14.0 8.4 12.6#

