

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020822\
 Data File : VD071922.D
 Acq On : 08 Feb 2022 17:15
 Operator : VA/SY
 Sample : N1423-02RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21RE

Quant Time: Feb 09 04:00:39 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)

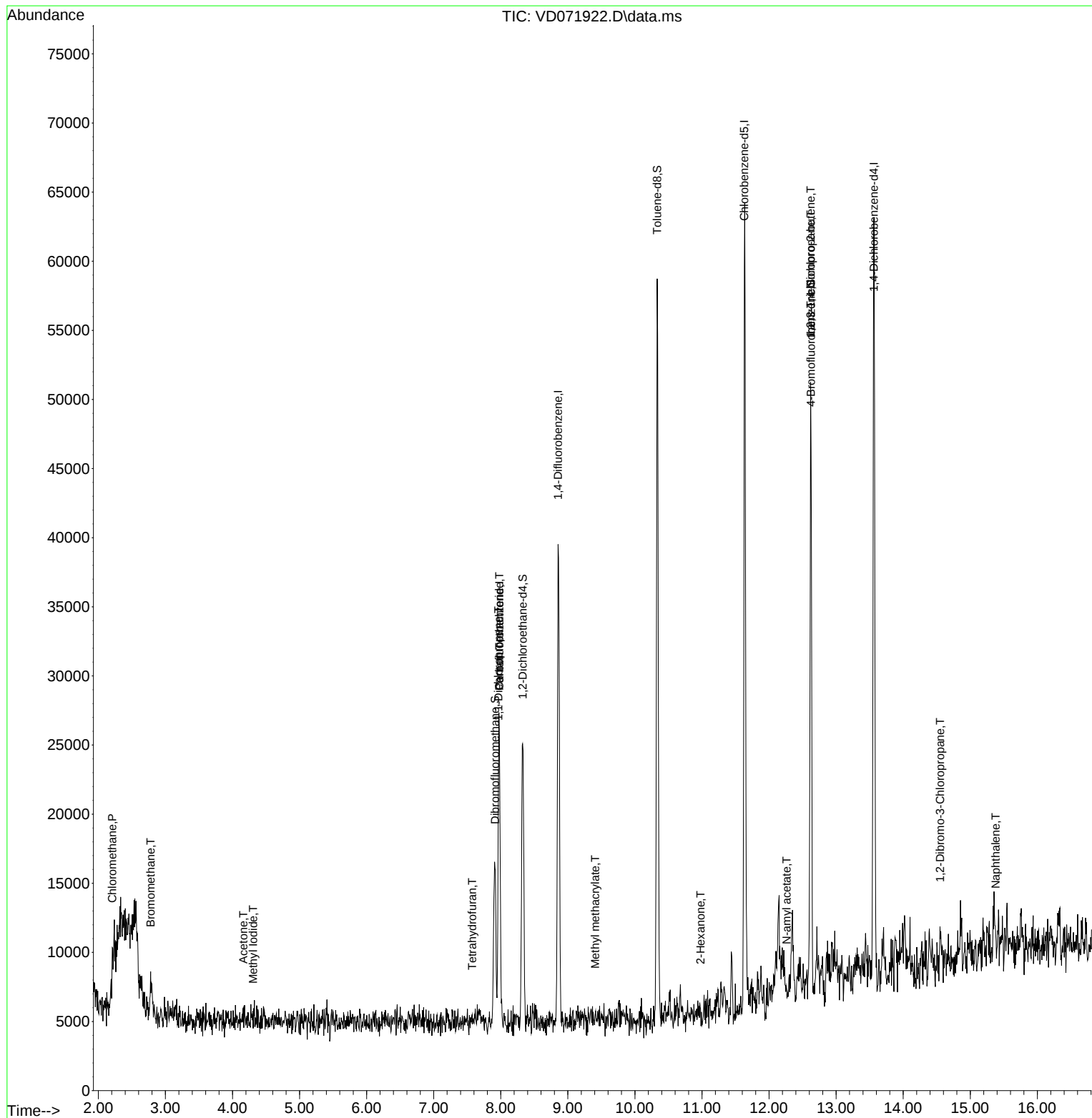
Internal Standards						
1) Pentafluorobenzene	7.979	168	15059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	26668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	30132	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	13153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	17015	89.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 178.780%#	
35) Dibromofluoromethane	7.914	113	8084	46.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.240%	
50) Toluene-d8	10.332	98	33996	51.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.626	95	13549	59.264	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	875	4.093	ug/l #	77
5) Bromomethane	2.779	94	1924	13.028	ug/l	99
10) Methyl Iodide	4.308	142	818	4.409	ug/l #	76
16) Acetone	4.161	43	292	5.604	ug/l #	47
29) Tetrahydrofuran	7.573	42	69	1.920	ug/l #	38
36) 1,1-Dichloropropene	7.967	75	977	3.247	ug/l #	43
38) Carbon Tetrachloride	7.979	117	1762	5.922	ug/l #	13
48) Methyl methacrylate	9.408	41	320	2.405	ug/l #	34
59) 2-Hexanone	10.979	43	154	1.613	ug/l #	27
74) N-amyl acetate	12.261	43	631	2.519	ug/l #	51
76) 1,2,3-Trichloropropane	12.620	75	8112	58.521	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	8112	143.890	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.549	75	70	2.243	ug/l #	54
95) Naphthalene	15.378	128	162	1.798	ug/l #	70

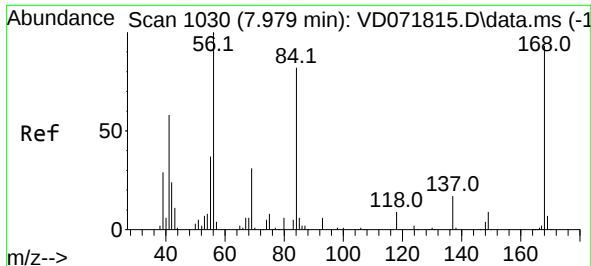
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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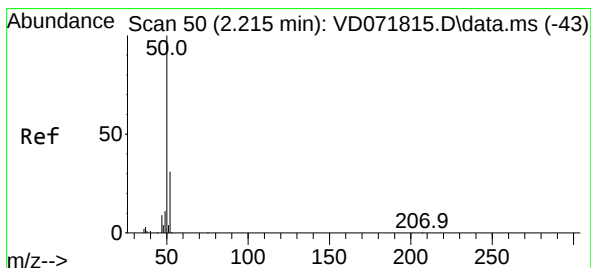
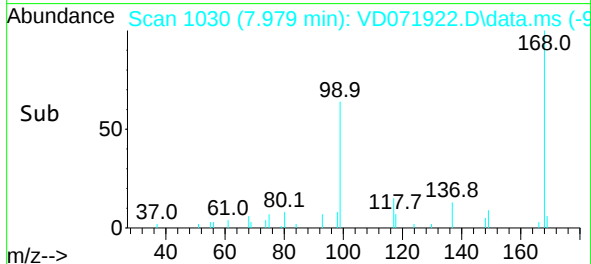
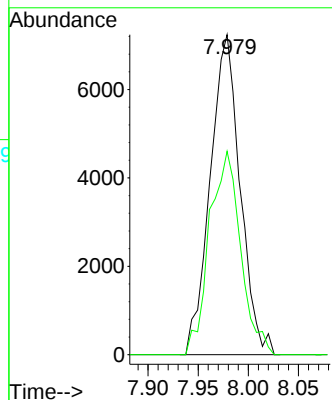
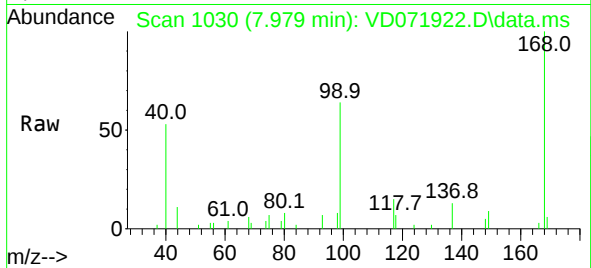




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

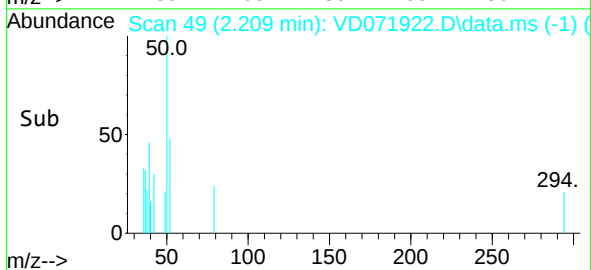
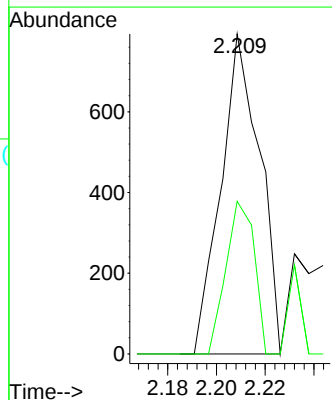
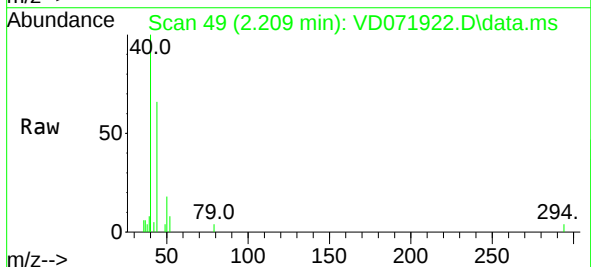
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE

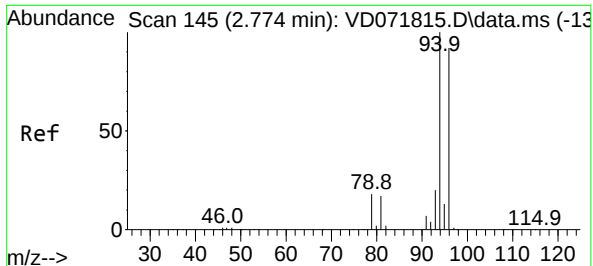
Tgt Ion:168 Resp: 15059
Ion Ratio Lower Upper
168 100
99 63.6 49.8 74.6



#3
Chloromethane
Concen: 4.093 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 47.7 27.4 41.0#

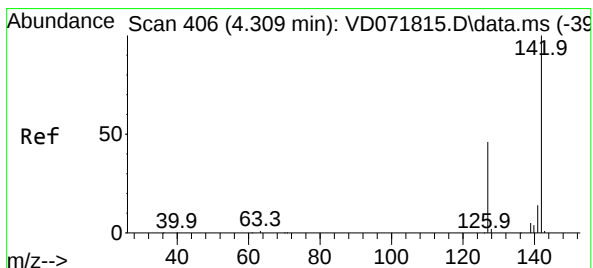
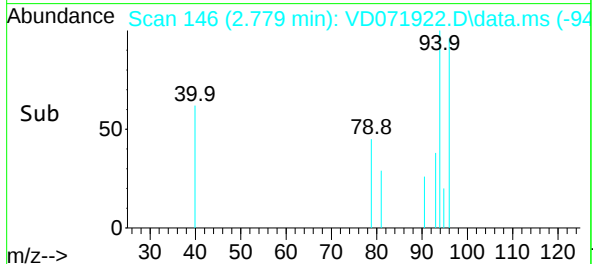
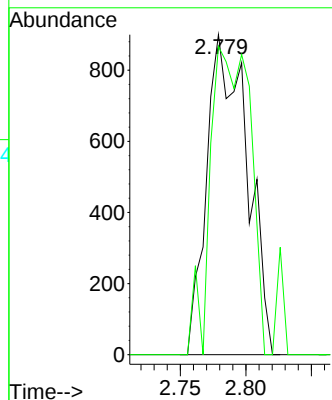
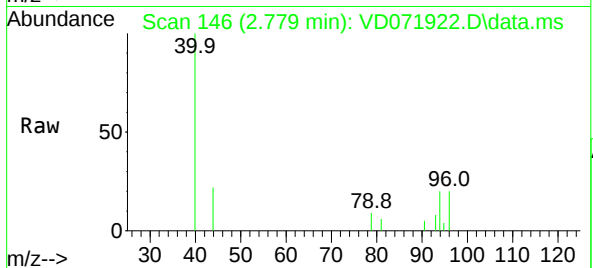




#5
Bromomethane
Concen: 13.028 ug/l
RT: 2.779 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

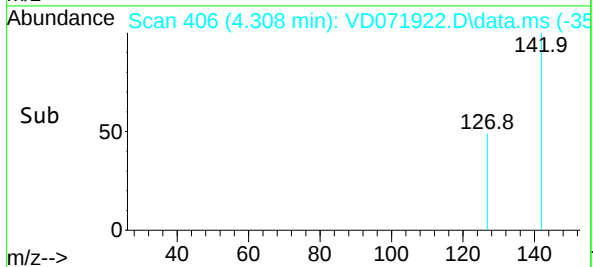
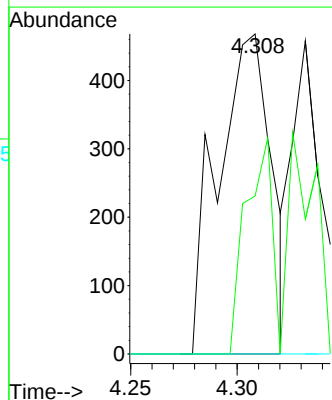
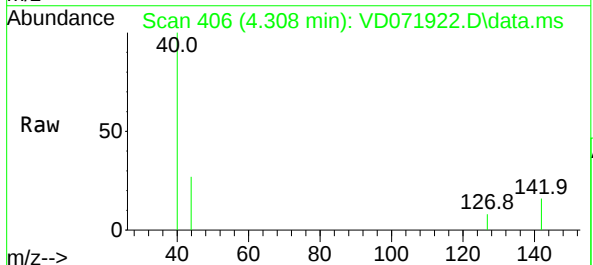
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE

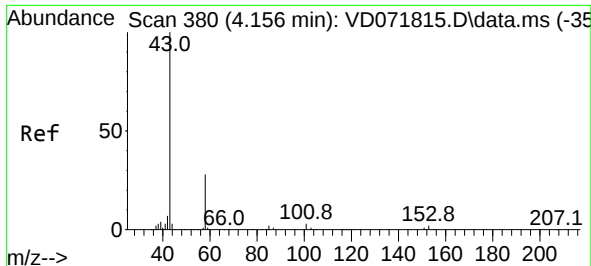
Tgt Ion: 94 Resp: 1924
Ion Ratio Lower Upper
94 100
96 96.3 77.6 116.4



#10
Methyl Iodide
Concen: 4.409 ug/l
RT: 4.308 min Scan# 406
Delta R.T. -0.000 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion:142 Resp: 818
Ion Ratio Lower Upper
142 100
127 33.1 37.3 55.9#
141 0.0 11.7 17.5#

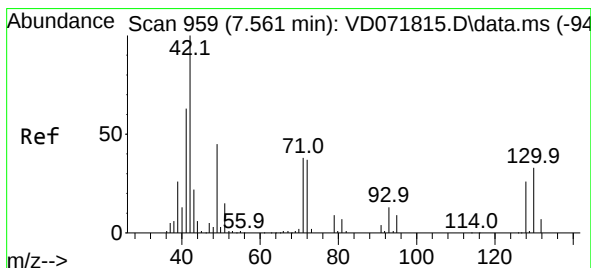
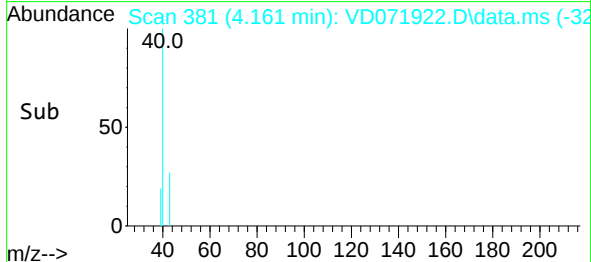
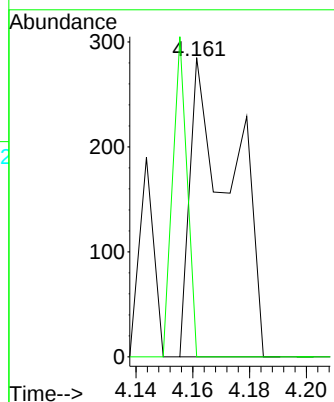
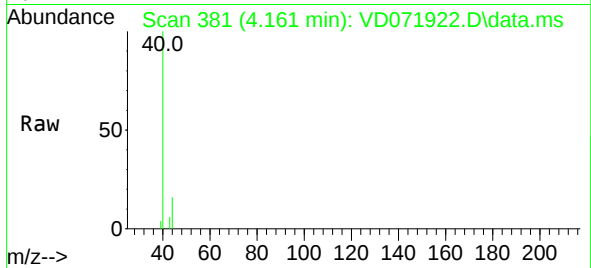




#16
Acetone
Concen: 5.604 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

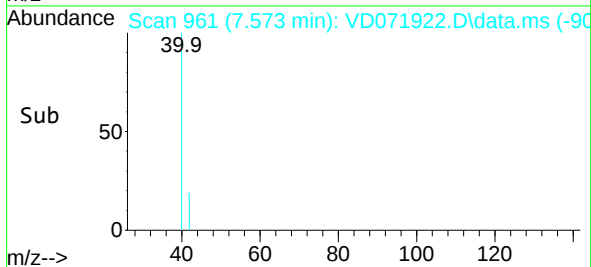
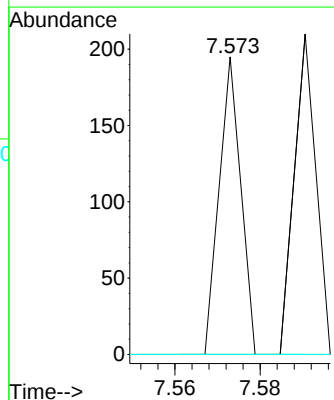
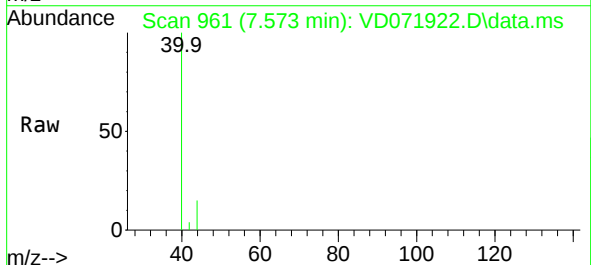
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE

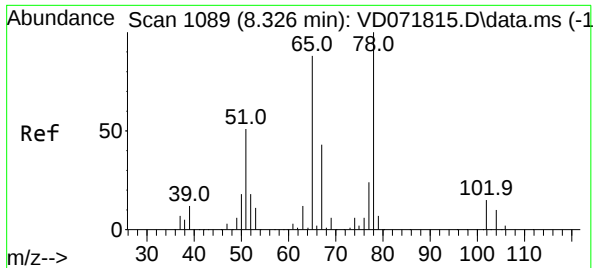
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#29
Tetrahydrofuran
Concen: 1.920 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.011 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion: 42 Resp: 69
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 89.394 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD071922.D

Acq: 08 Feb 2022 17:15

Instrument :

MSVOA_D

ClientSampleId :

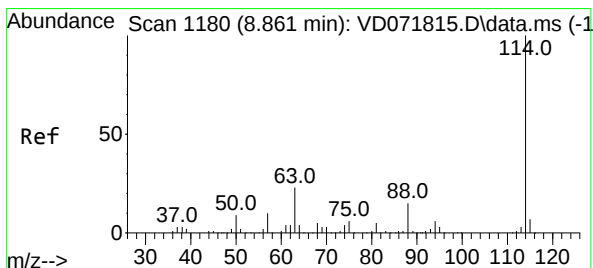
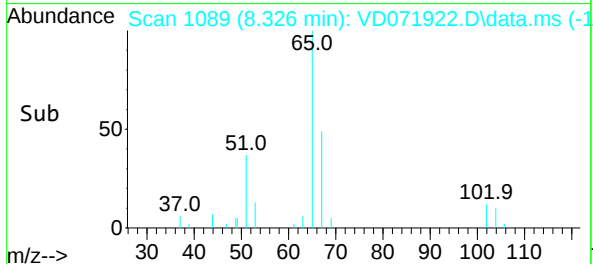
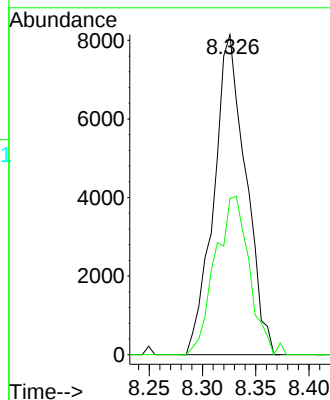
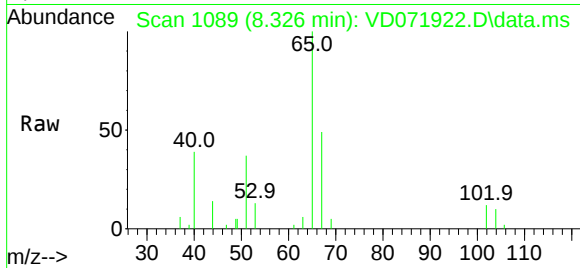
TP-21RE

Tgt Ion: 65 Resp: 17015

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD071922.D

Acq: 08 Feb 2022 17:15

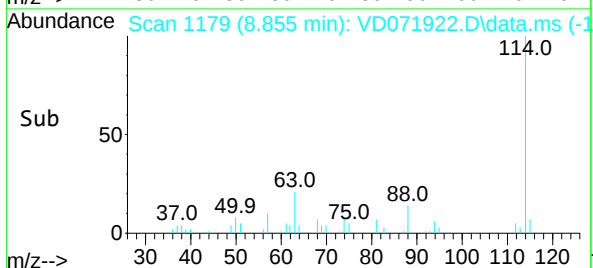
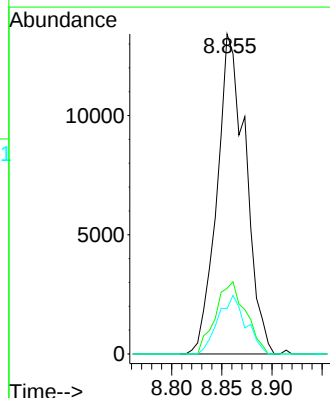
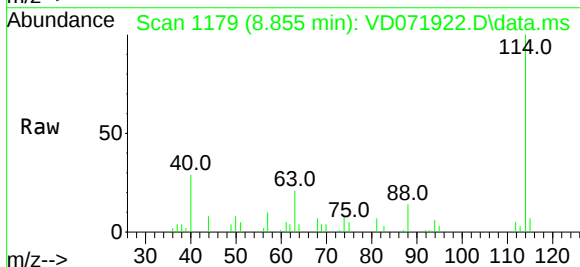
Tgt Ion: 114 Resp: 26668

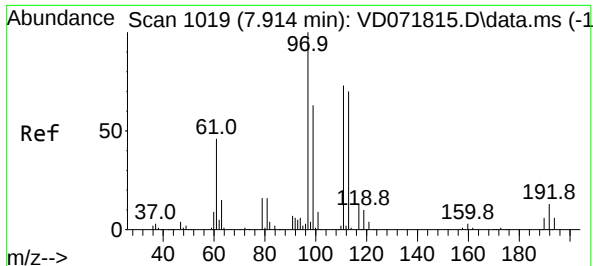
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 14.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.116 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071922.D

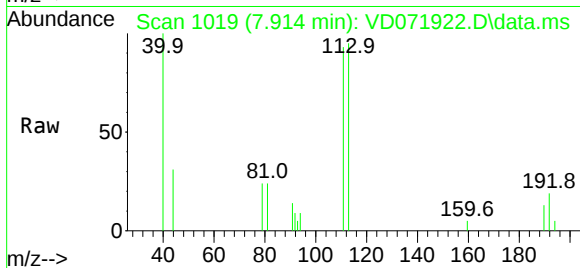
Acq: 08 Feb 2022 17:15

Instrument :

MSVOA_D

ClientSampleId :

TP-21RE



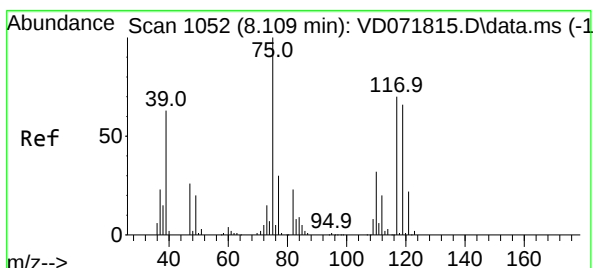
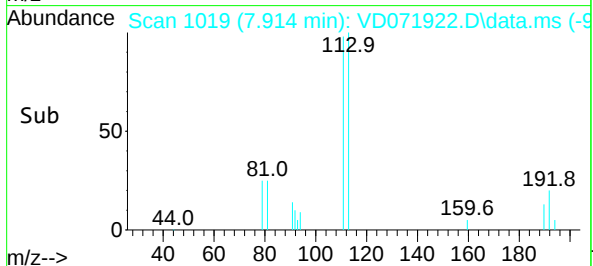
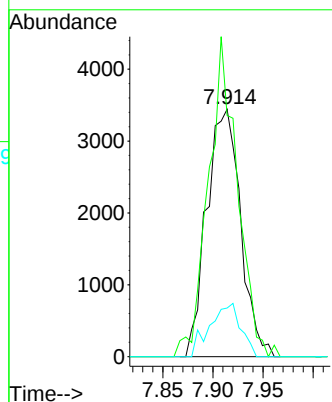
Tgt Ion:113 Resp: 8084

Ion Ratio Lower Upper

113 100

111 111.3 83.8 125.6

192 19.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.247 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071922.D

Acq: 08 Feb 2022 17:15

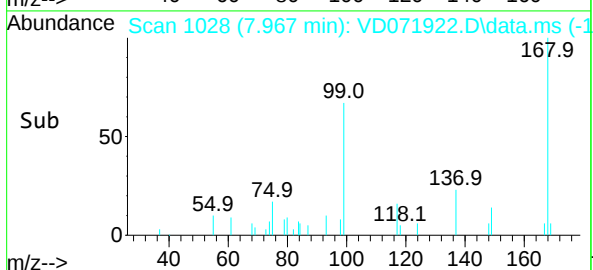
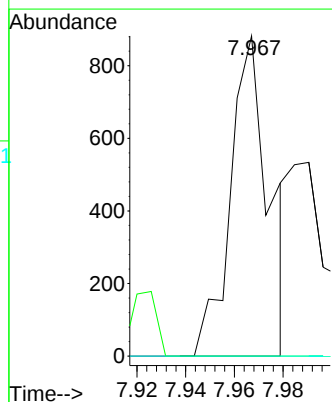
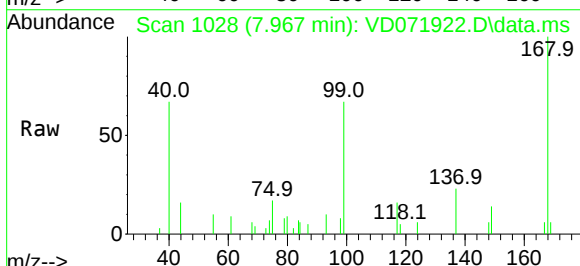
Tgt Ion: 75 Resp: 977

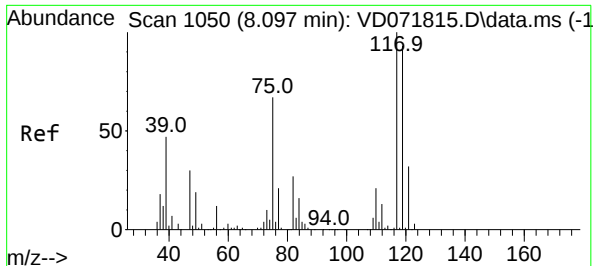
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

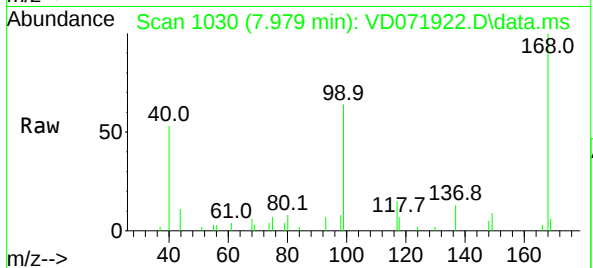
77 0.0 24.2 36.2#



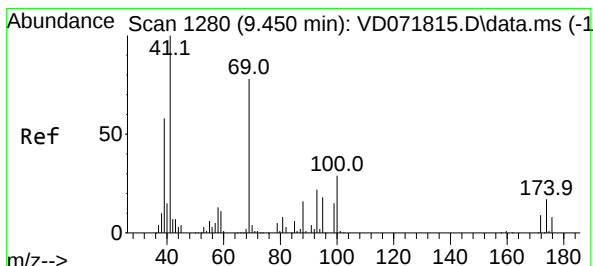
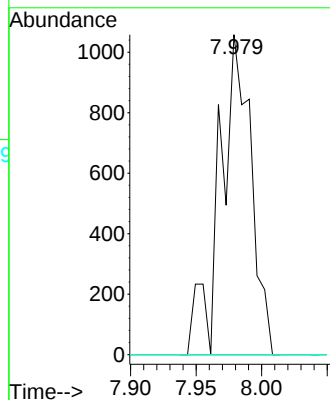
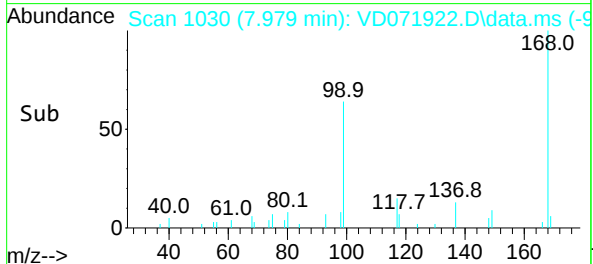


#38
Carbon Tetrachloride
Concen: 5.922 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

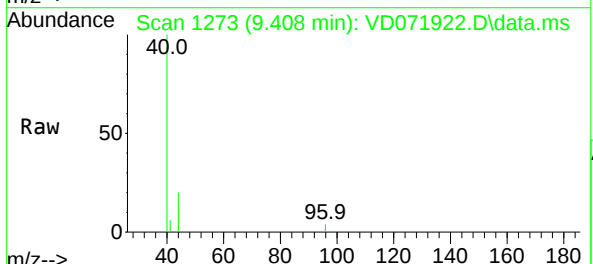
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE



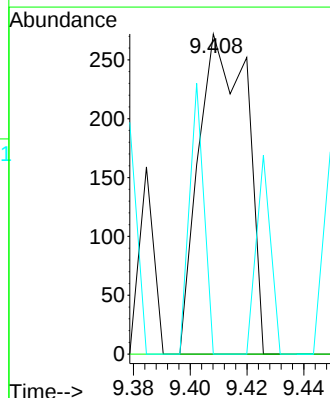
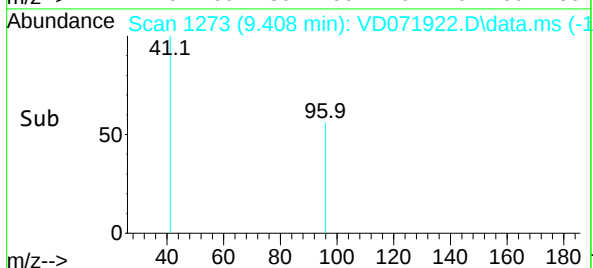
Tgt Ion:117 Resp: 1762
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

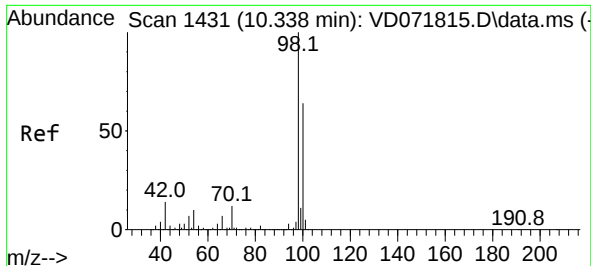


#48
Methyl methacrylate
Concen: 2.405 ug/l
RT: 9.408 min Scan# 1273
Delta R.T. -0.041 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15



Tgt Ion: 41 Resp: 320
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 25.3 42.7 64.1#

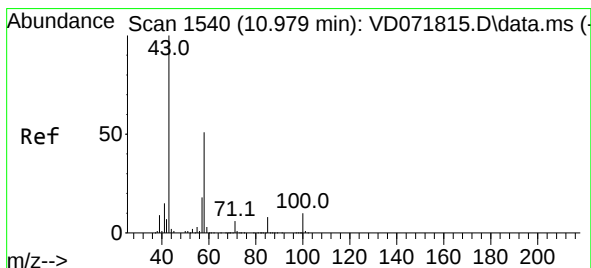
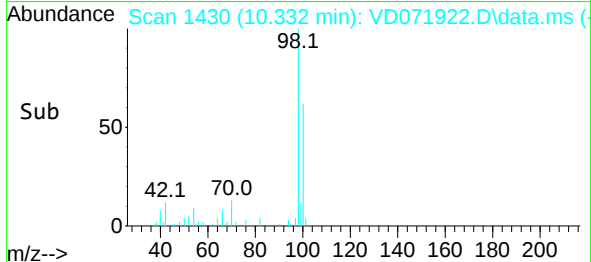
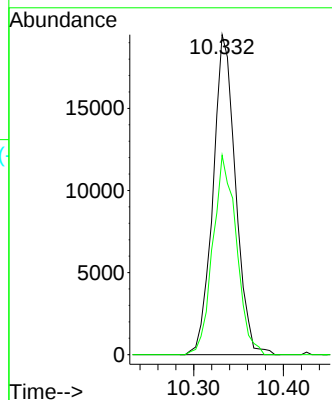
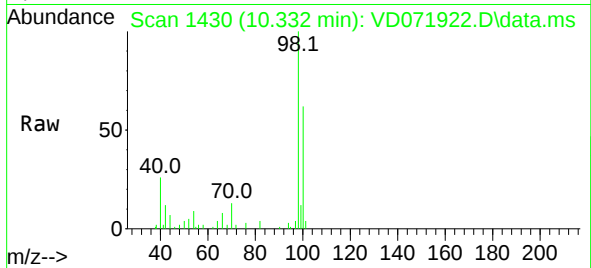




#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

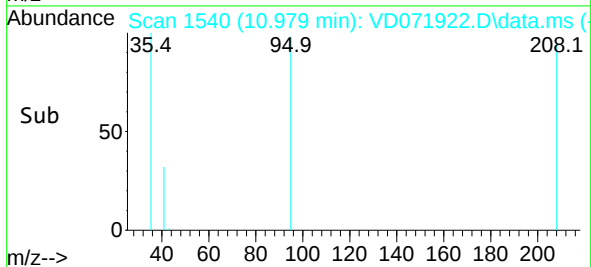
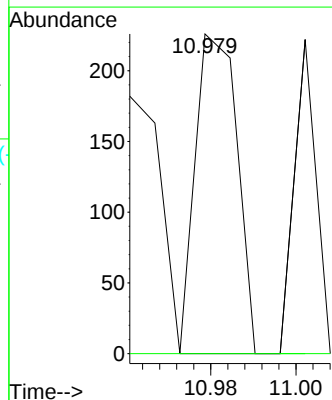
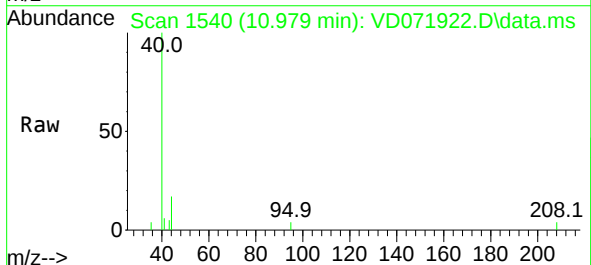
Instrument :
MSVOA_D
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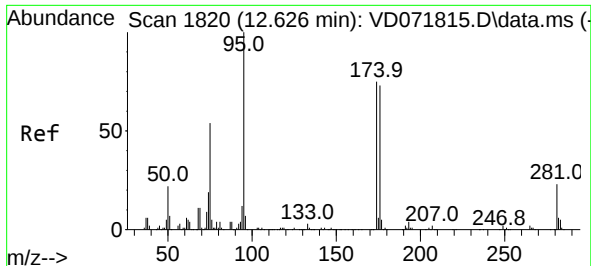
Tgt Ion: 98 Resp: 33996
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#59
2-Hexanone
Concen: 1.613 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

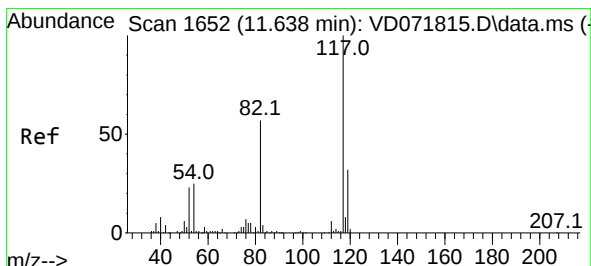
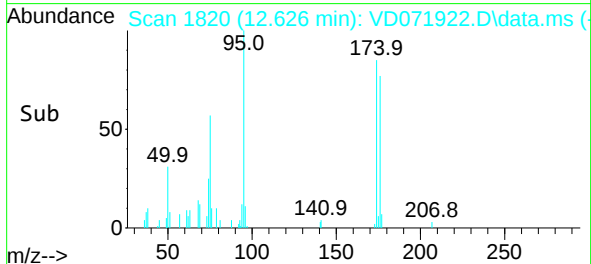
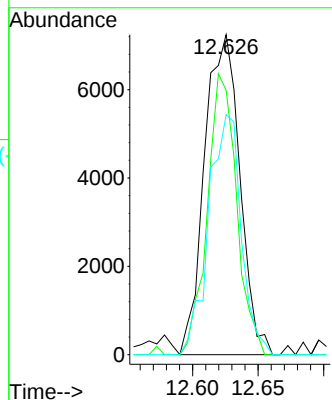
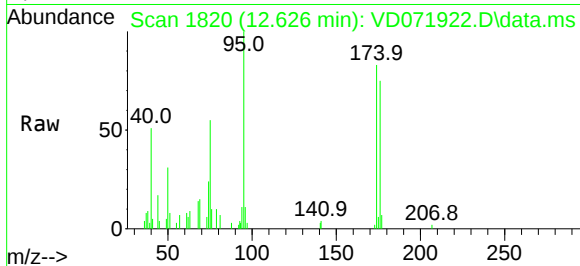




#62
4-Bromofluorobenzene
Concen: 59.264 ug/l
RT: 12.626 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

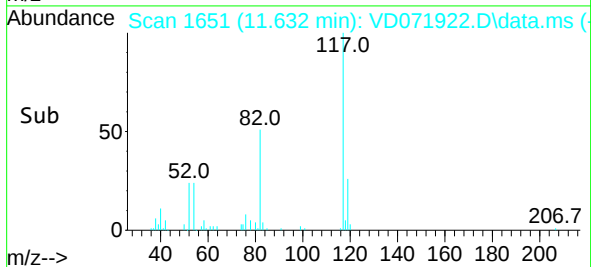
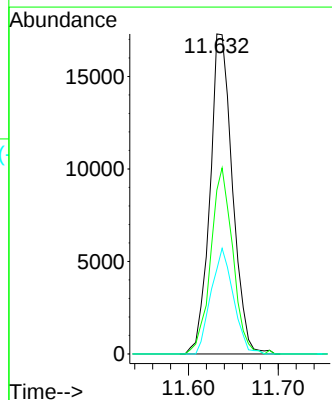
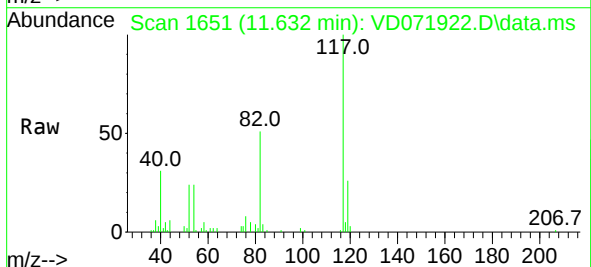
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE

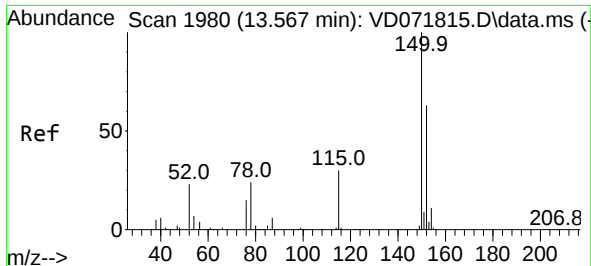
Tgt Ion: 95 Resp: 13549
Ion Ratio Lower Upper
95 100
174 72.8 0.0 152.8
176 69.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion: 117 Resp: 30132
Ion Ratio Lower Upper
117 100
82 51.2 45.3 67.9
119 26.5 26.6 40.0#

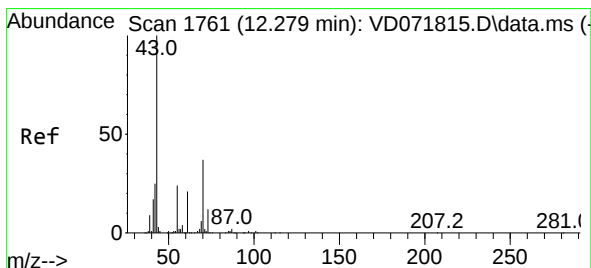
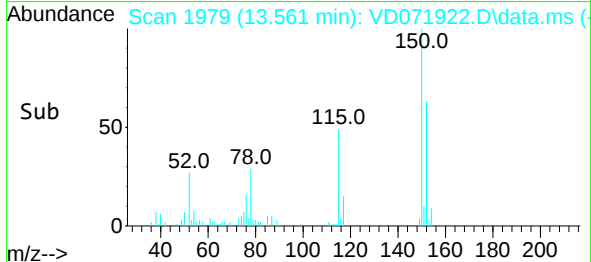
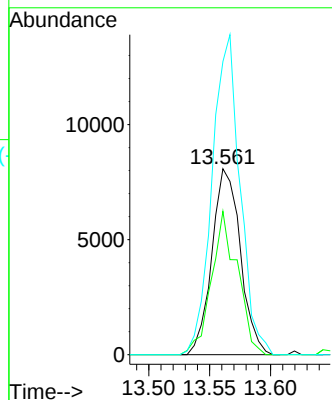
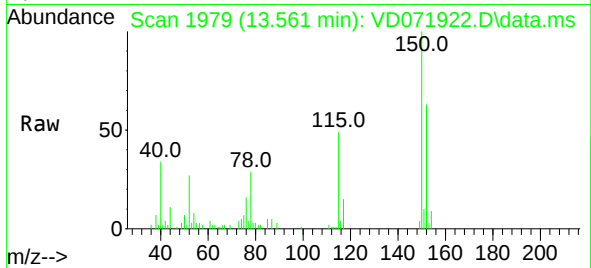




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

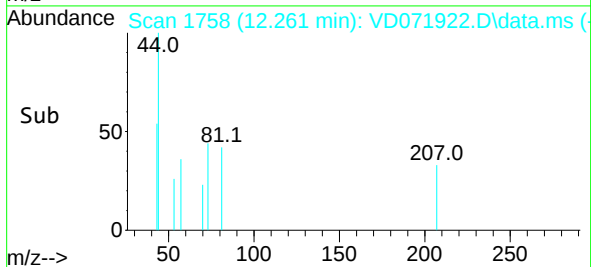
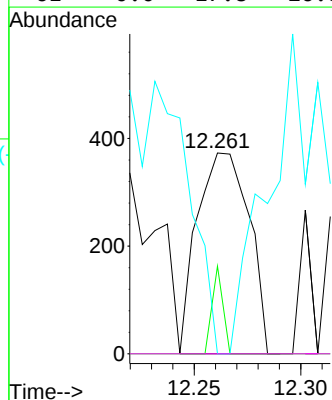
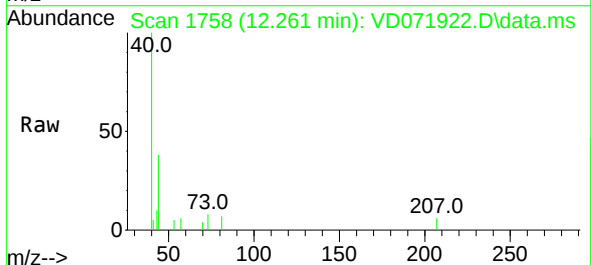
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE

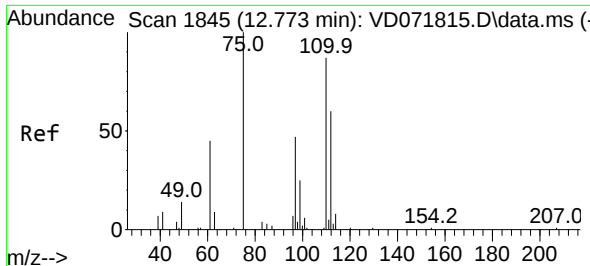
Tgt Ion:152 Resp: 13153
Ion Ratio Lower Upper
152 100
115 70.3 31.3 93.8
150 168.4 0.0 348.6



#74
N-ethyl acetate
Concen: 2.519 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
70 9.2 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

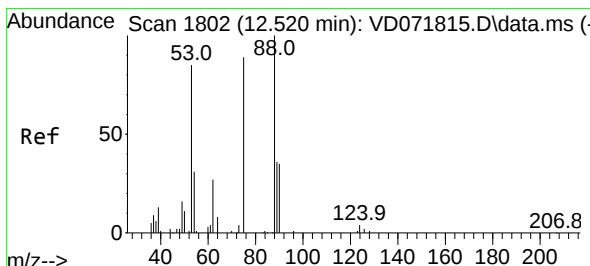
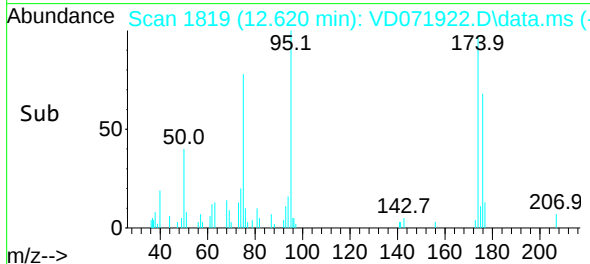
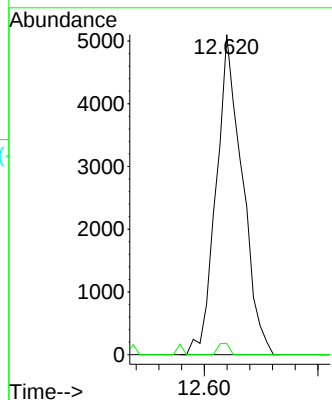
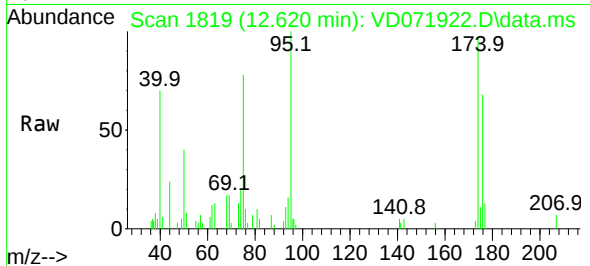




#76
1,2,3-Trichloropropane
Concen: 58.521 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

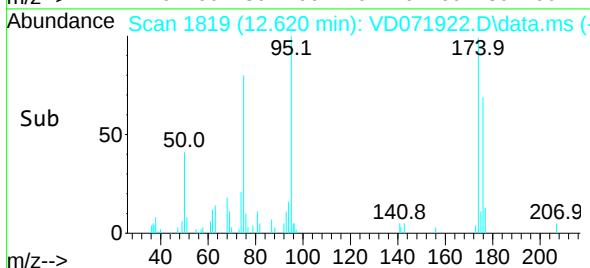
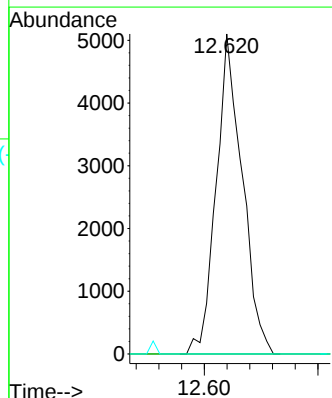
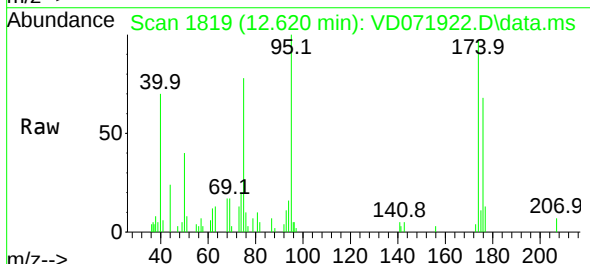
Instrument :
MSVOA_D
ClientSampleId :
TP-21RE

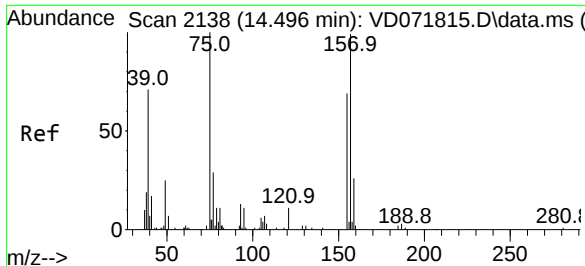
Tgt Ion: 75 Resp: 8112
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.890 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071922.D
Acq: 08 Feb 2022 17:15

Tgt Ion: 75 Resp: 8112
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.243 ug/l

RT: 14.549 min Scan# 2138

Delta R.T. 0.059 min

Lab File: VD071922.D

Acq: 08 Feb 2022 17:15

Instrument :

MSVOA_D

ClientSampleId :

TP-21RE

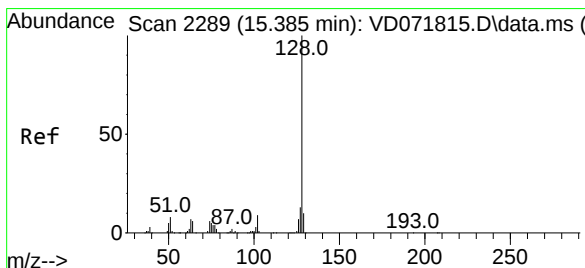
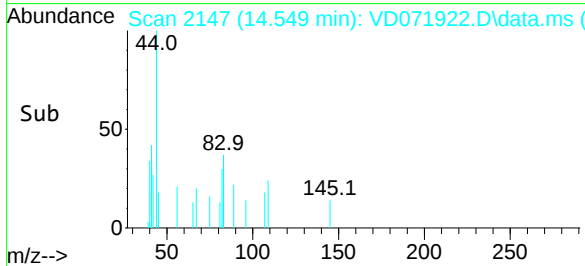
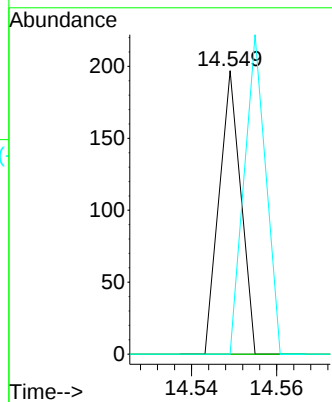
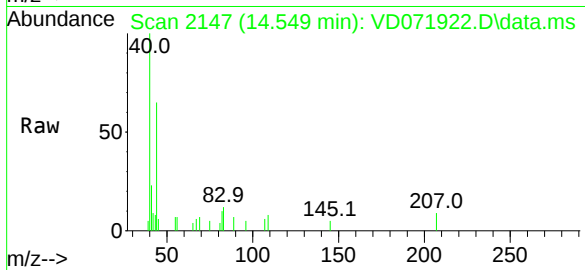
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 111.4 48.4 145.0



#95

Naphthalene

Concen: 1.798 ug/l

RT: 15.378 min Scan# 2288

Delta R.T. -0.006 min

Lab File: VD071922.D

Acq: 08 Feb 2022 17:15

Tgt Ion: 128 Resp: 162

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

