

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012822\
 Data File : VD071833.D
 Acq On : 28 Jan 2022 19:33
 Operator : VA/SY
 Sample : N1314-01RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-012722

Quant Time: Jan 29 04:53:09 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)

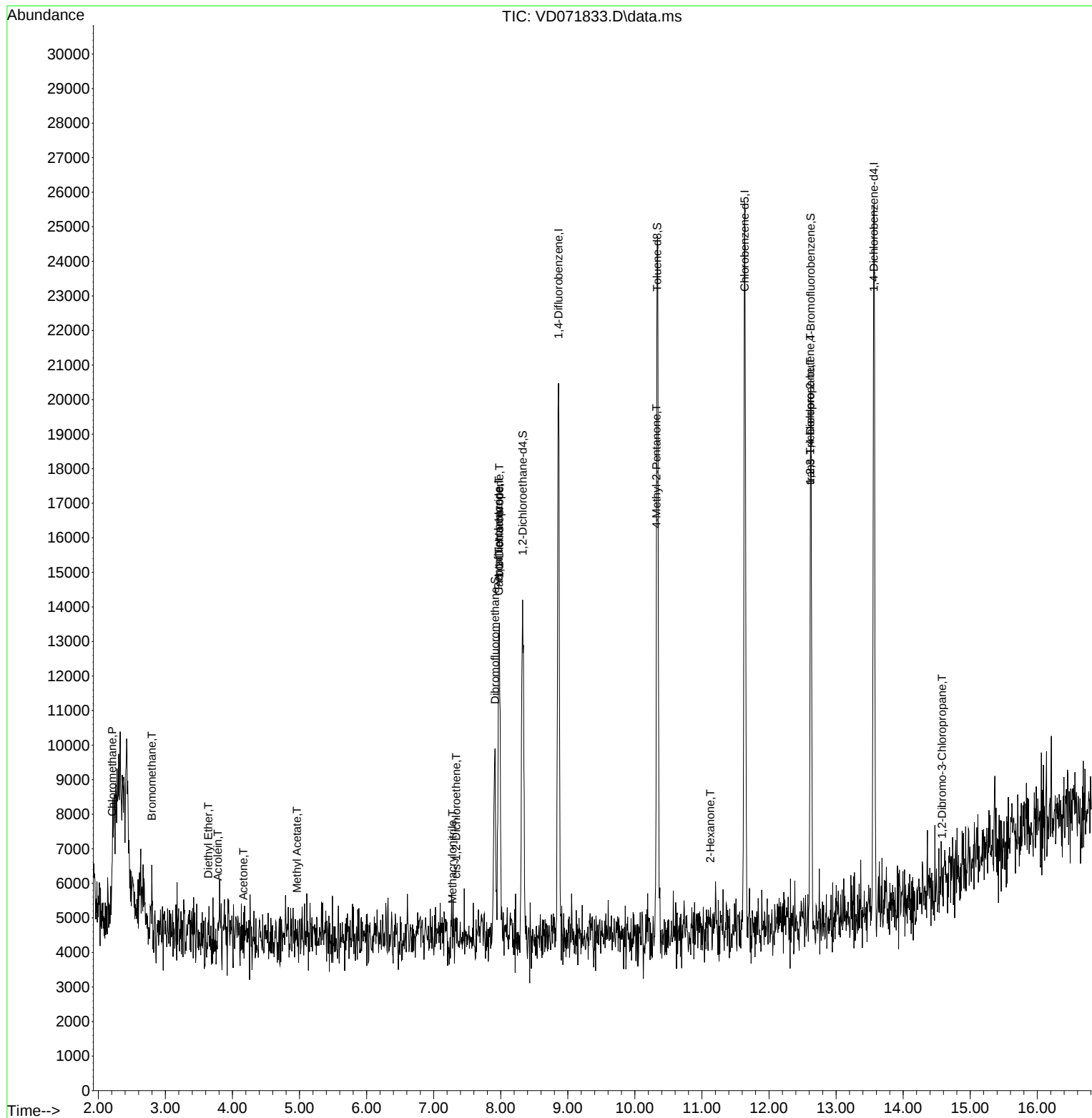
Internal Standards						
1) Pentafluorobenzene	7.967	168	8317	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	13142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	12065	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8060	76.672	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.340%	
35) Dibromofluoromethane	7.914	113	3681	42.611	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.220%	
50) Toluene-d8	10.332	98	13935	43.193	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.380%	
62) 4-Bromofluorobenzene	12.620	95	5334	47.344	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	368	3.117	ug/l	99
5) Bromomethane	2.797	94	609	7.466	ug/l	83
8) Diethyl Ether	3.638	74	55	1.177	ug/l #	1
13) Acrolein	3.779	56	71	7.604	ug/l #	14
16) Acetone	4.162	43	150	5.213	ug/l #	47
18) Methyl Acetate	4.962	43	67	1.077	ug/l #	55
27) cis-1,2-Dichloroethene	7.338	96	121	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	322	2.172	ug/l #	43
38) Carbon Tetrachloride	7.973	117	592	4.037	ug/l #	13
41) Methacrylonitrile	7.279	41	61	1.564	ug/l #	30
51) 4-Methyl-2-Pentanone	10.320	43	161	2.483	ug/l #	65
59) 2-Hexanone	11.126	43	67	1.424	ug/l #	27
76) 1,2,3-Trichloropropane	12.614	75	2861	48.556	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	2861	119.387	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.579	75	56	4.221	ug/l #	6

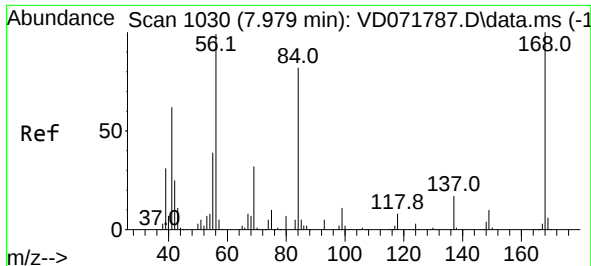
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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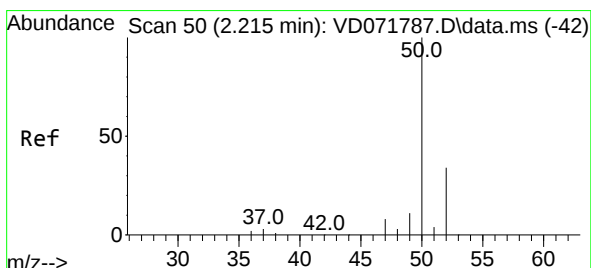
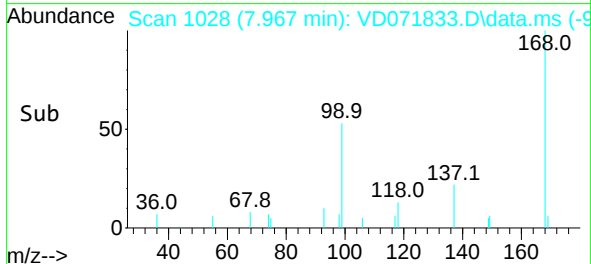
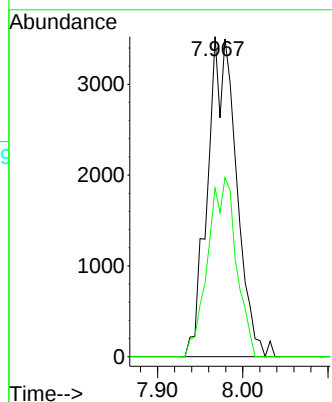
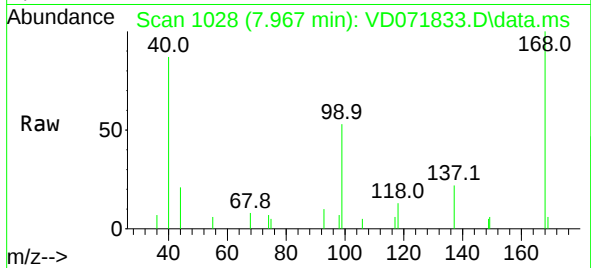




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

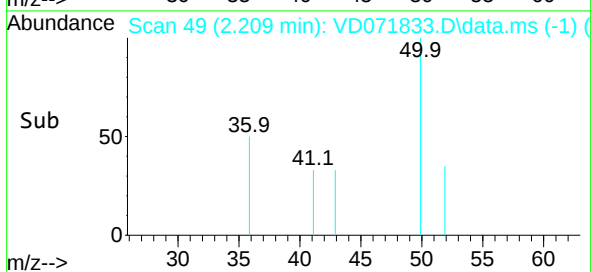
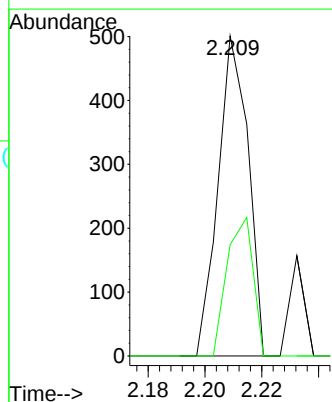
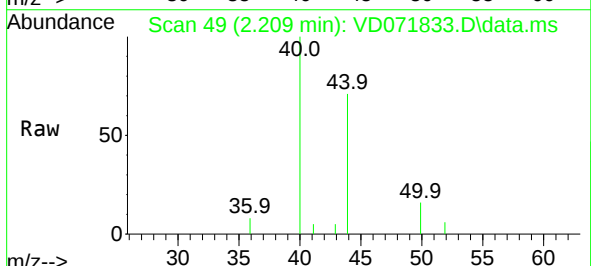
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

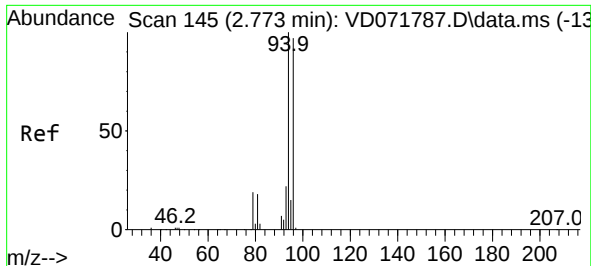
Tgt Ion:168 Resp: 8317
Ion Ratio Lower Upper
168 100
99 52.7 49.8 74.6



#3
Chloromethane
Concen: 3.117 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 34.7 27.4 41.0

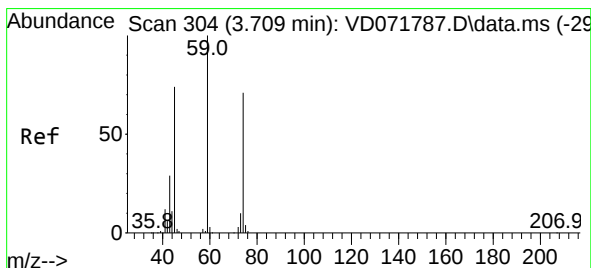
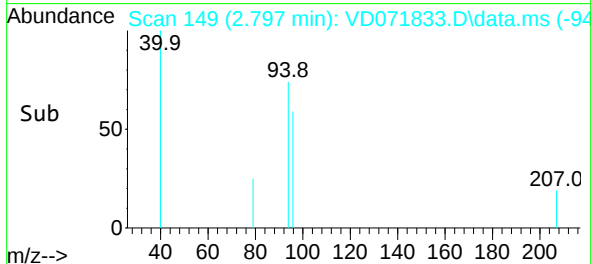
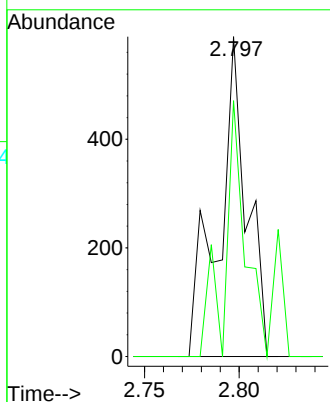
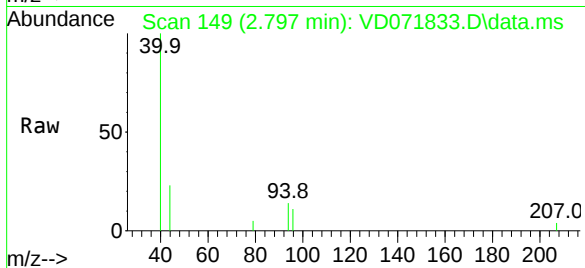




#5
Bromomethane
Concen: 7.466 ug/l
RT: 2.797 min Scan# 145
Delta R.T. 0.024 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

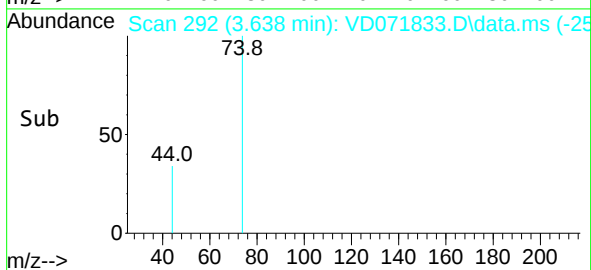
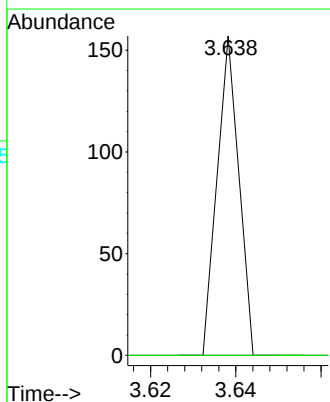
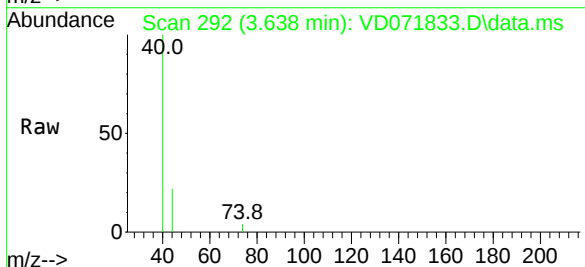
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

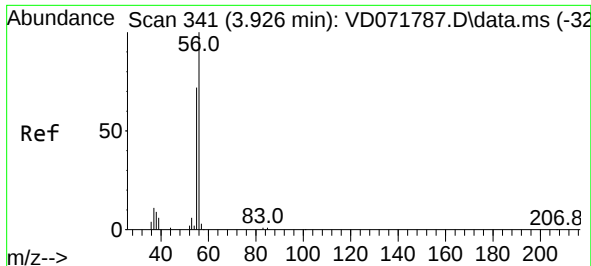
Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 80.0 77.6 116.4



#8
Diethyl Ether
Concen: 1.177 ug/l
RT: 3.638 min Scan# 292
Delta R.T. -0.071 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 74 Resp: 55
Ion Ratio Lower Upper
74 100
45 0.0 52.6 157.8#

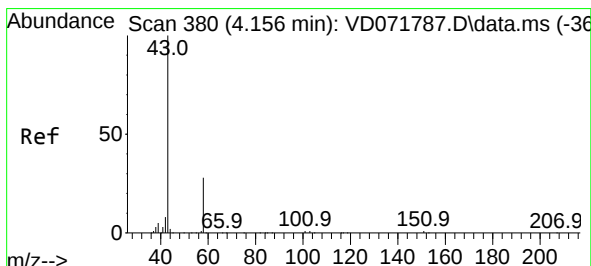
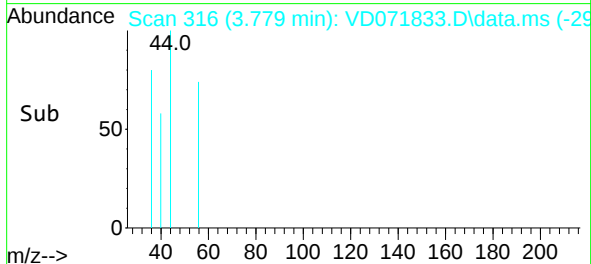
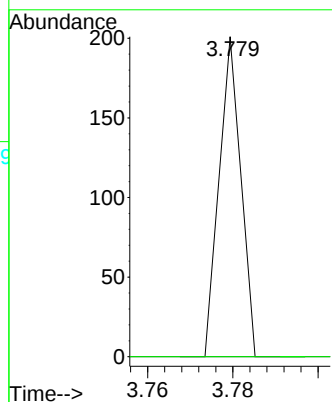
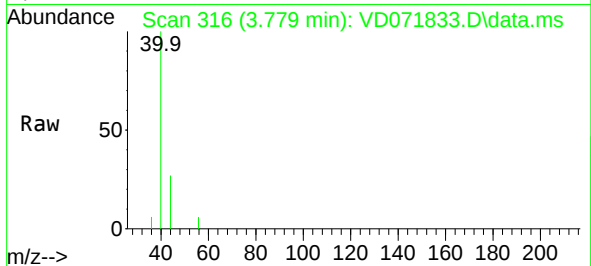




#13
Acrolein
Concen: 7.604 ug/l
RT: 3.779 min Scan# 316
Delta R.T. -0.147 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

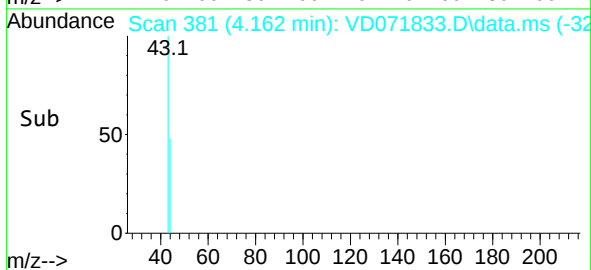
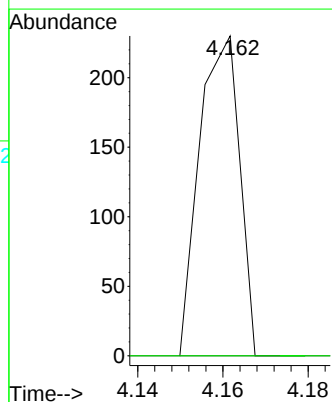
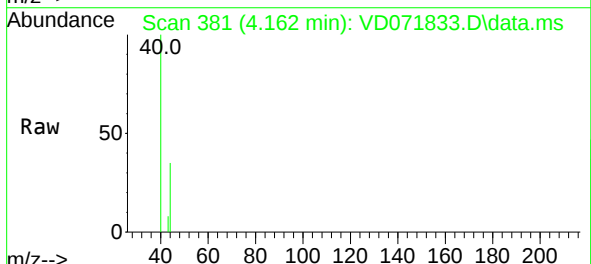
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

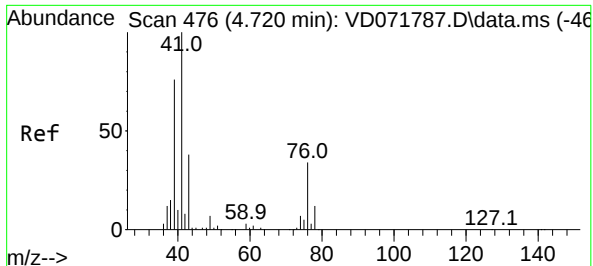
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 5.213 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#18

Methyl Acetate

Concen: 1.077 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.241 min

Lab File: VD071833.D

Acq: 28 Jan 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

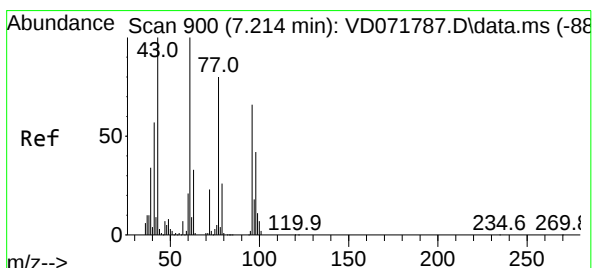
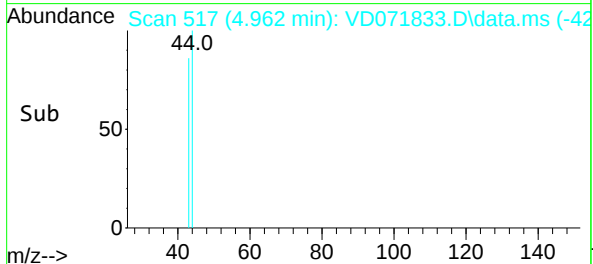
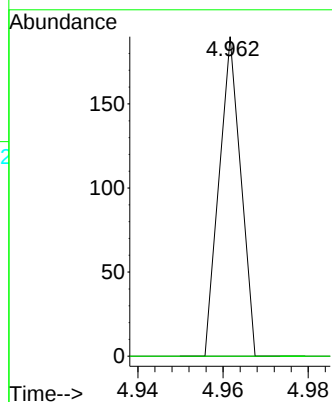
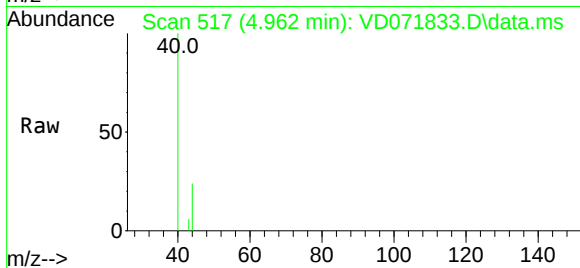
CL-01-012722

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#27

cis-1,2-Dichloroethene

Concen: 1.059 ug/l

RT: 7.338 min Scan# 921

Delta R.T. 0.124 min

Lab File: VD071833.D

Acq: 28 Jan 2022 19:33

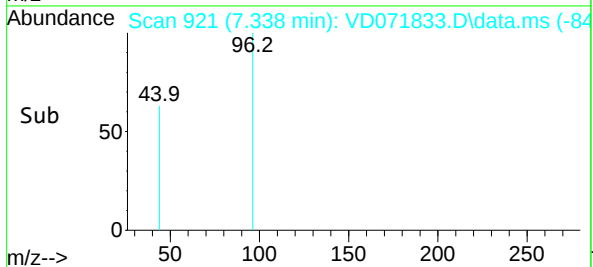
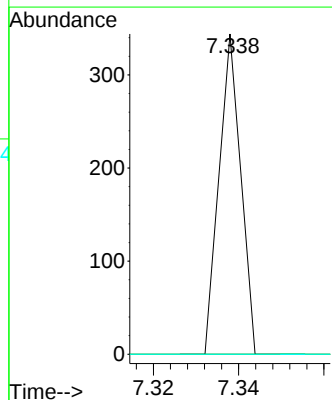
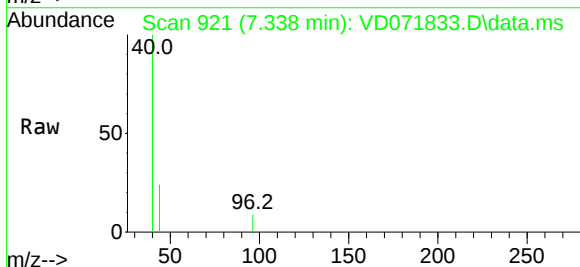
Tgt Ion: 96 Resp: 121

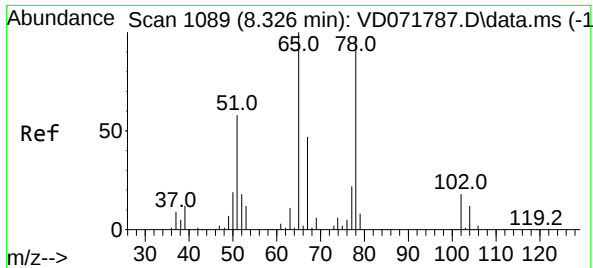
Ion Ratio Lower Upper

96 100

61 0.0 0.0 313.8

98 0.0 0.0 128.8

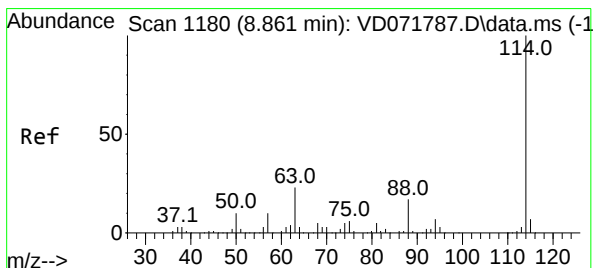
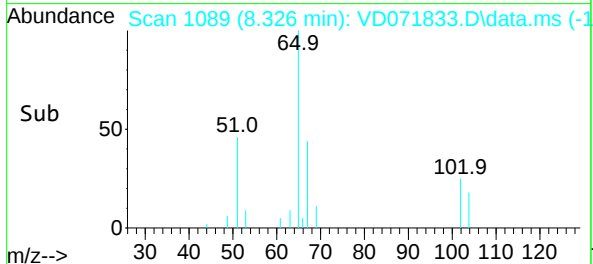
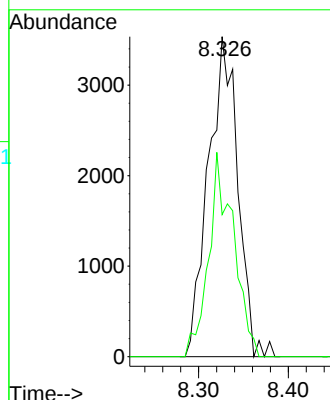
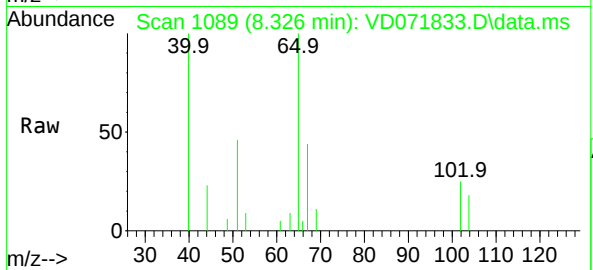




#33
 1,2-Dichloroethane-d4
 Concen: 76.672 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD071833.D
 Acq: 28 Jan 2022 19:33

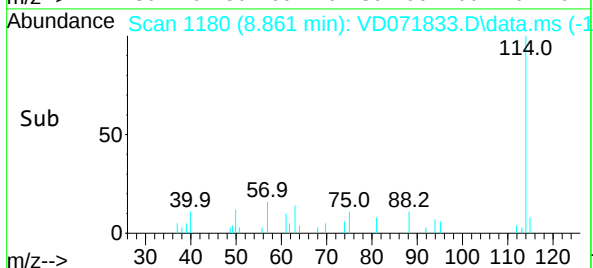
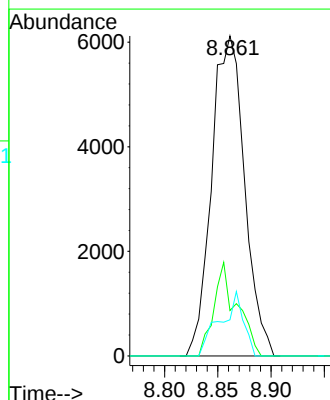
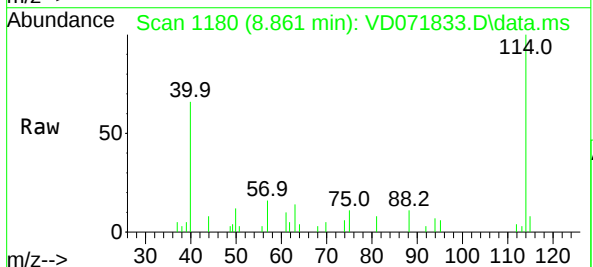
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-012722

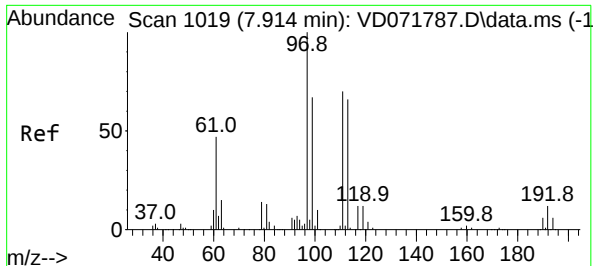
Tgt Ion: 65 Resp: 8060
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD071833.D
 Acq: 28 Jan 2022 19:33

Tgt Ion: 114 Resp: 13142
 Ion Ratio Lower Upper
 114 100
 63 14.2 0.0 46.6
 88 11.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 42.611 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071833.D

Acq: 28 Jan 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

CL-01-012722

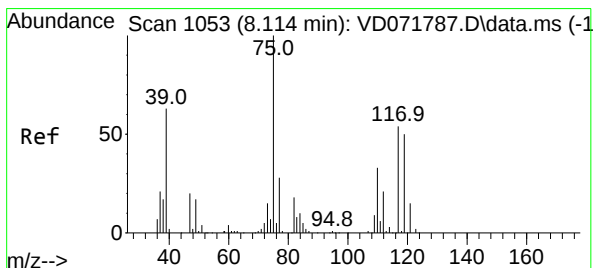
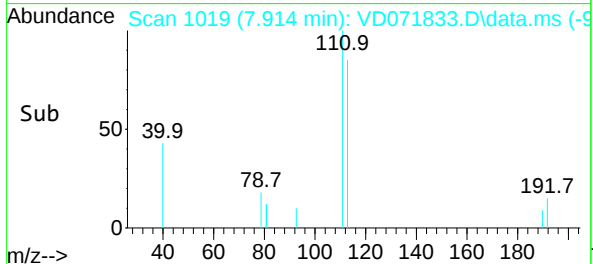
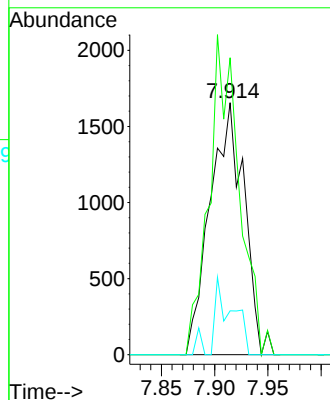
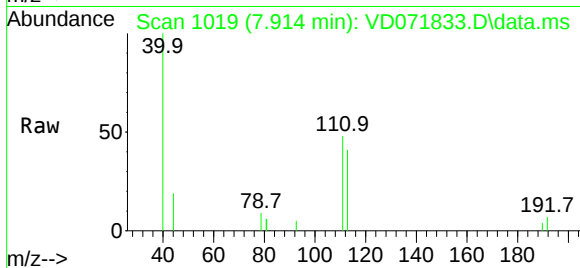
Tgt Ion:113 Resp: 3681

Ion Ratio Lower Upper

113 100

111 111.9 83.8 125.6

192 17.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 2.172 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071833.D

Acq: 28 Jan 2022 19:33

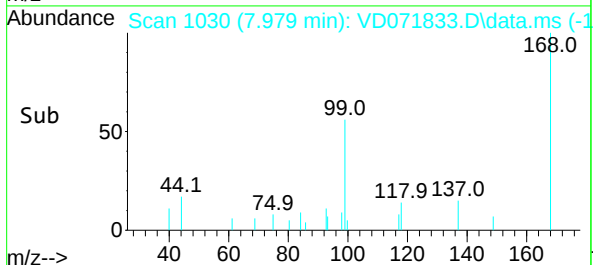
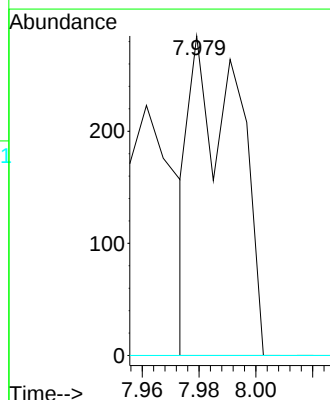
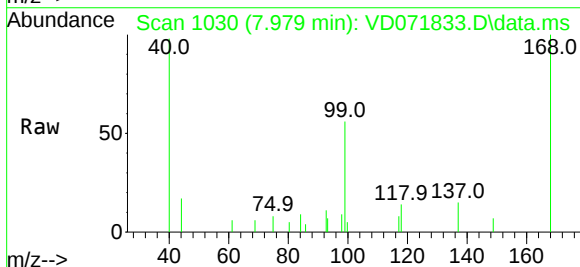
Tgt Ion: 75 Resp: 322

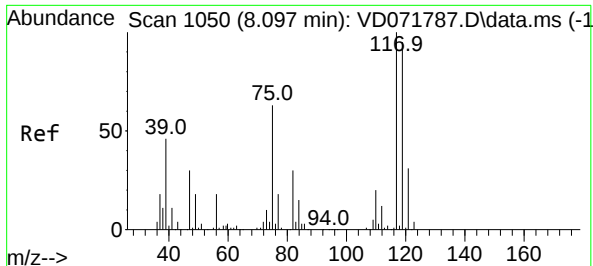
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

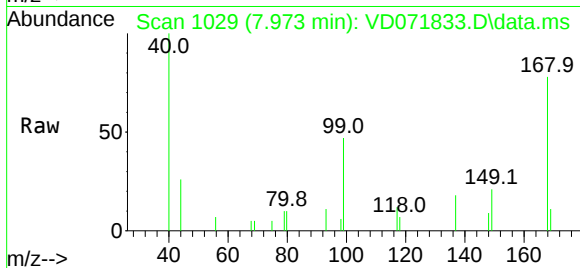
77 0.0 24.2 36.2#



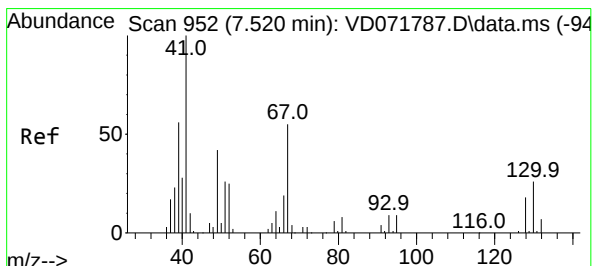
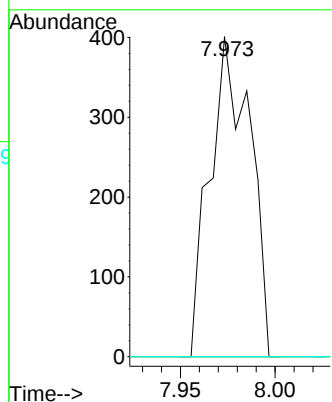
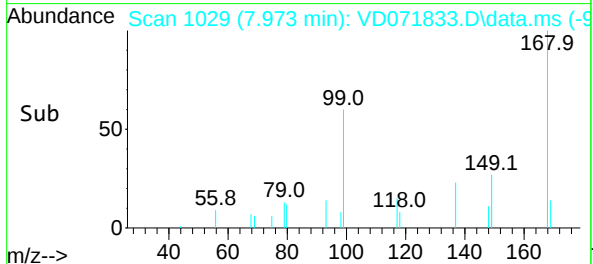


#38
Carbon Tetrachloride
Concen: 4.037 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.123 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

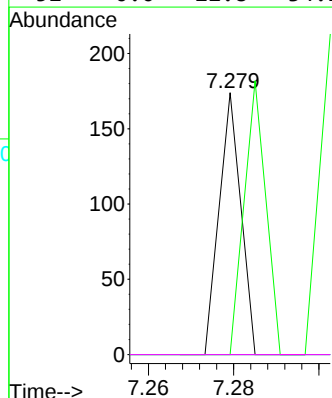
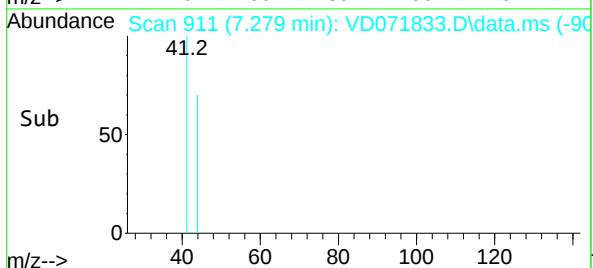
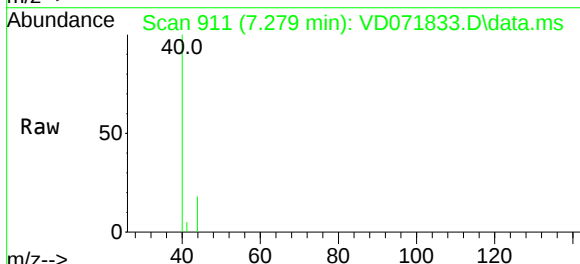


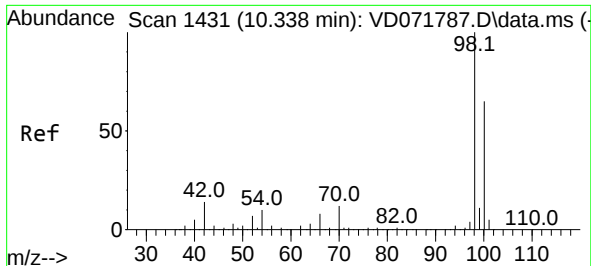
Tgt Ion:117 Resp: 592
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.564 ug/l
RT: 7.279 min Scan# 911
Delta R.T. -0.241 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
39 104.9 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

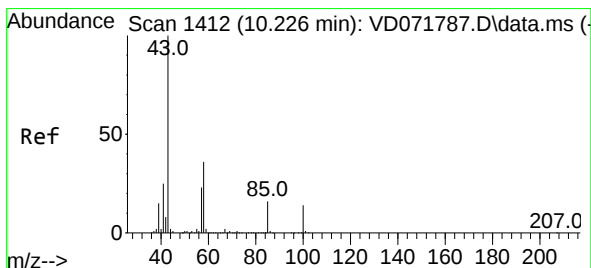
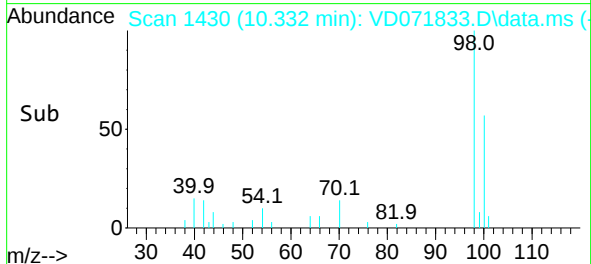
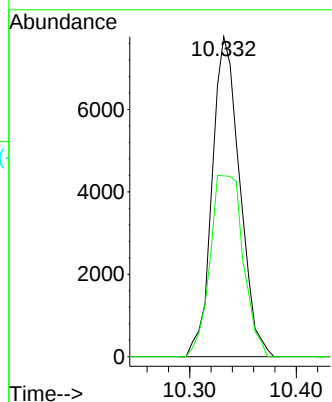
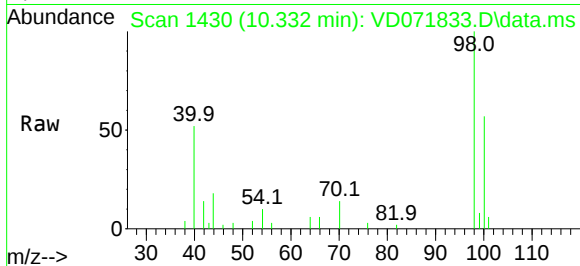




#50
Toluene-d8
Concen: 43.193 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

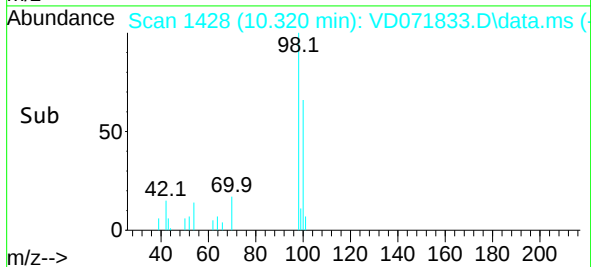
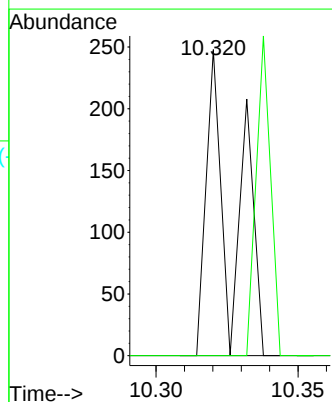
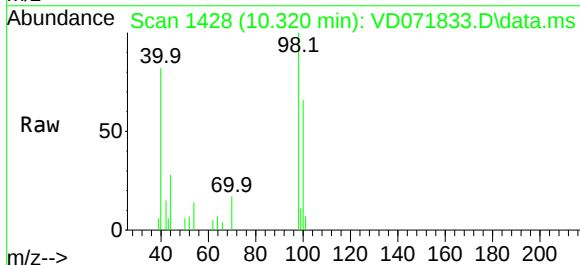
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

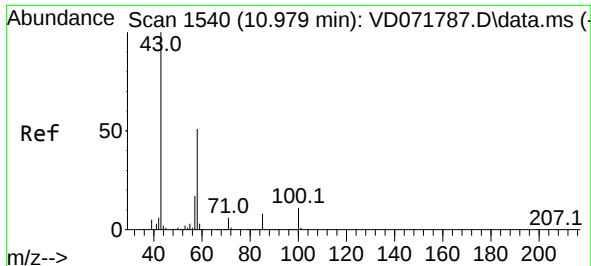
Tgt Ion: 98 Resp: 13935
Ion Ratio Lower Upper
98 100
100 68.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.483 ug/l
RT: 10.320 min Scan# 1428
Delta R.T. 0.094 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 56.5 28.6 43.0#

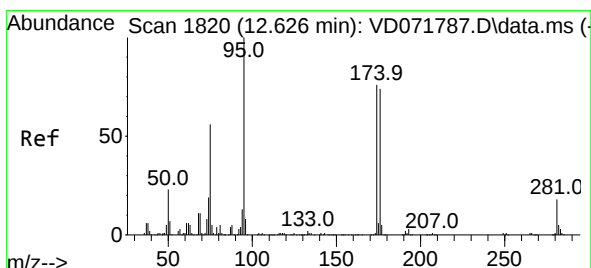
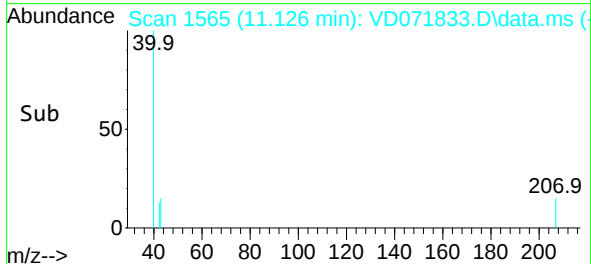
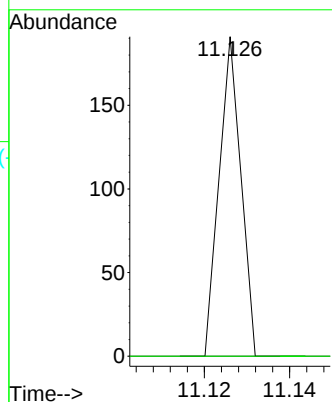
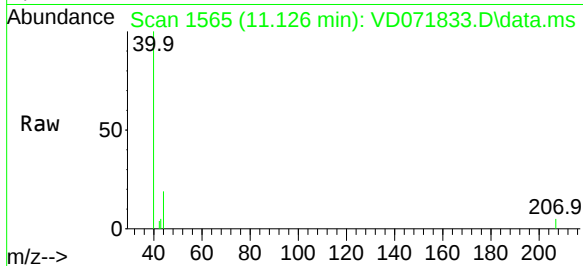




#59
2-Hexanone
Concen: 1.424 ug/l
RT: 11.126 min Scan# 11
Delta R.T. 0.147 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

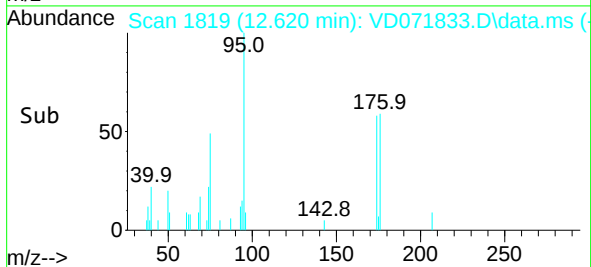
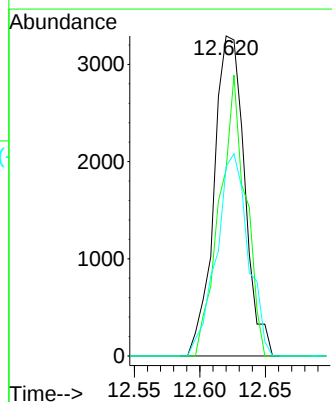
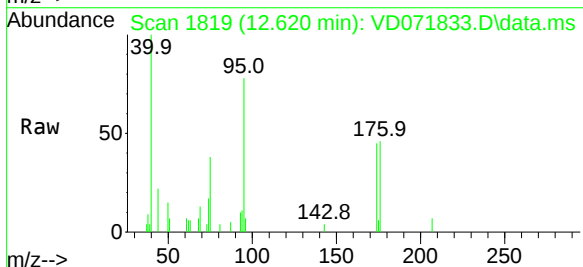
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

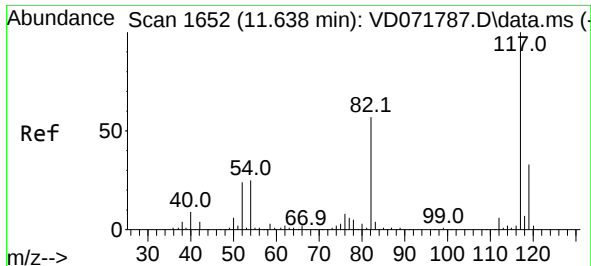
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 47.344 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 95 Resp: 5334
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 65.8 0.0 145.4

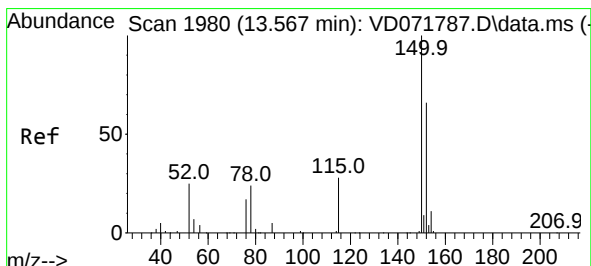
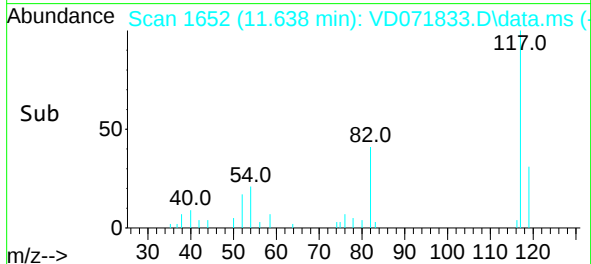
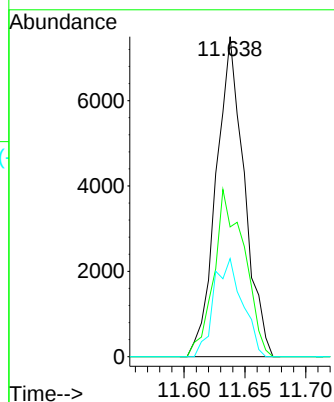
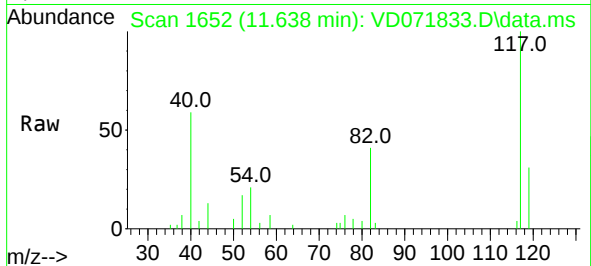




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

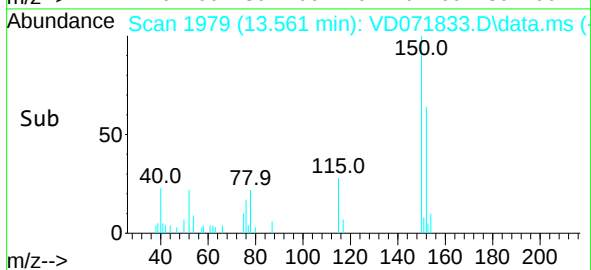
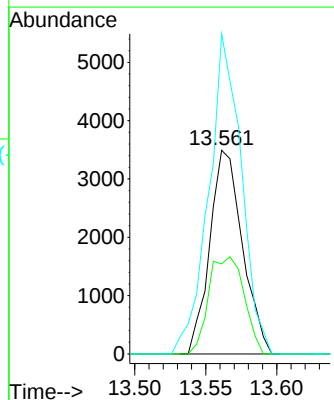
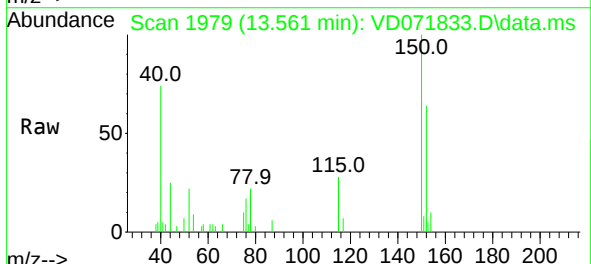
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

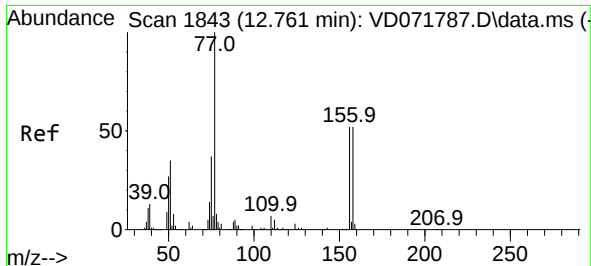
Tgt Ion:117 Resp: 12065
Ion Ratio Lower Upper
117 100
82 40.5 45.3 67.9#
119 30.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion:152 Resp: 5591
Ion Ratio Lower Upper
152 100
115 51.6 31.3 93.8
150 156.7 0.0 348.6

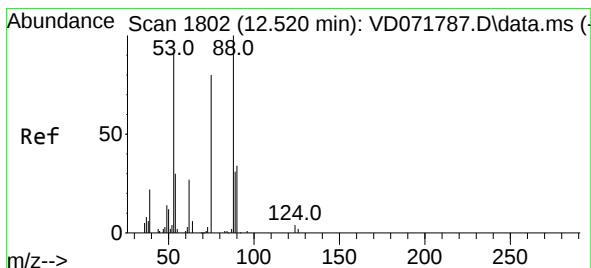
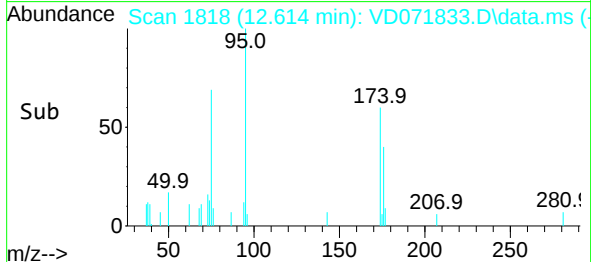
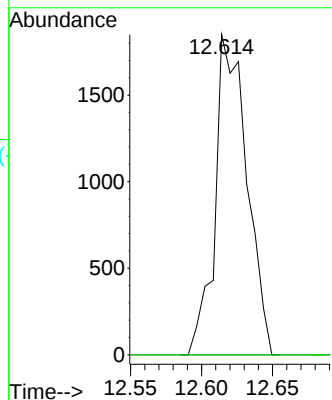
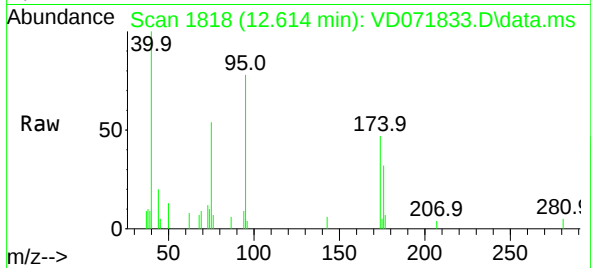




#76
1,2,3-Trichloropropane
Concen: 48.556 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.159 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

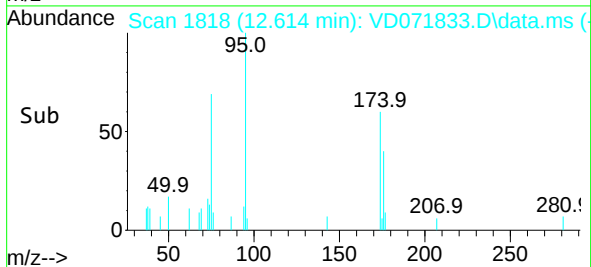
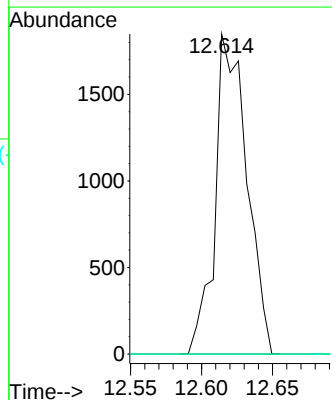
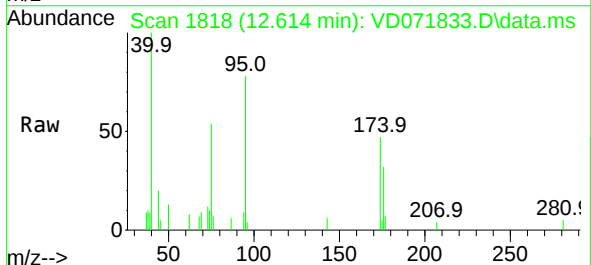
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

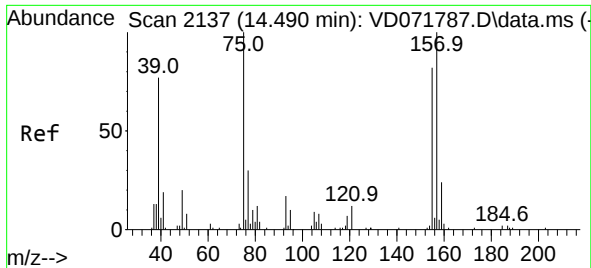
Tgt Ion: 75 Resp: 2861
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.387 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD071833.D
Acq: 28 Jan 2022 19:33

Tgt Ion: 75 Resp: 2861
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: 4.221 ug/l

RT: 14.579 min Scan# 21

Delta R.T. 0.088 min

Lab File: VD071833.D

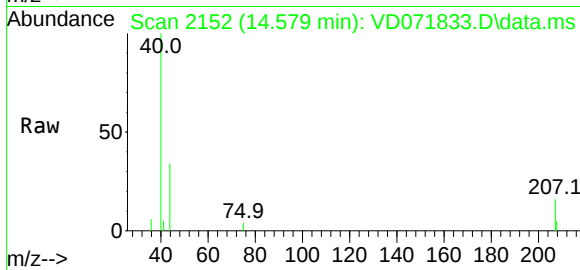
Acq: 28 Jan 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

CL-01-012722



Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 0.0 48.4 145.0#

