

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072782.D
 Acq On : 04 May 2022 12:07
 Operator : VA/SY
 Sample : N2655-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-050222RE

Quant Time: May 05 01:35:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

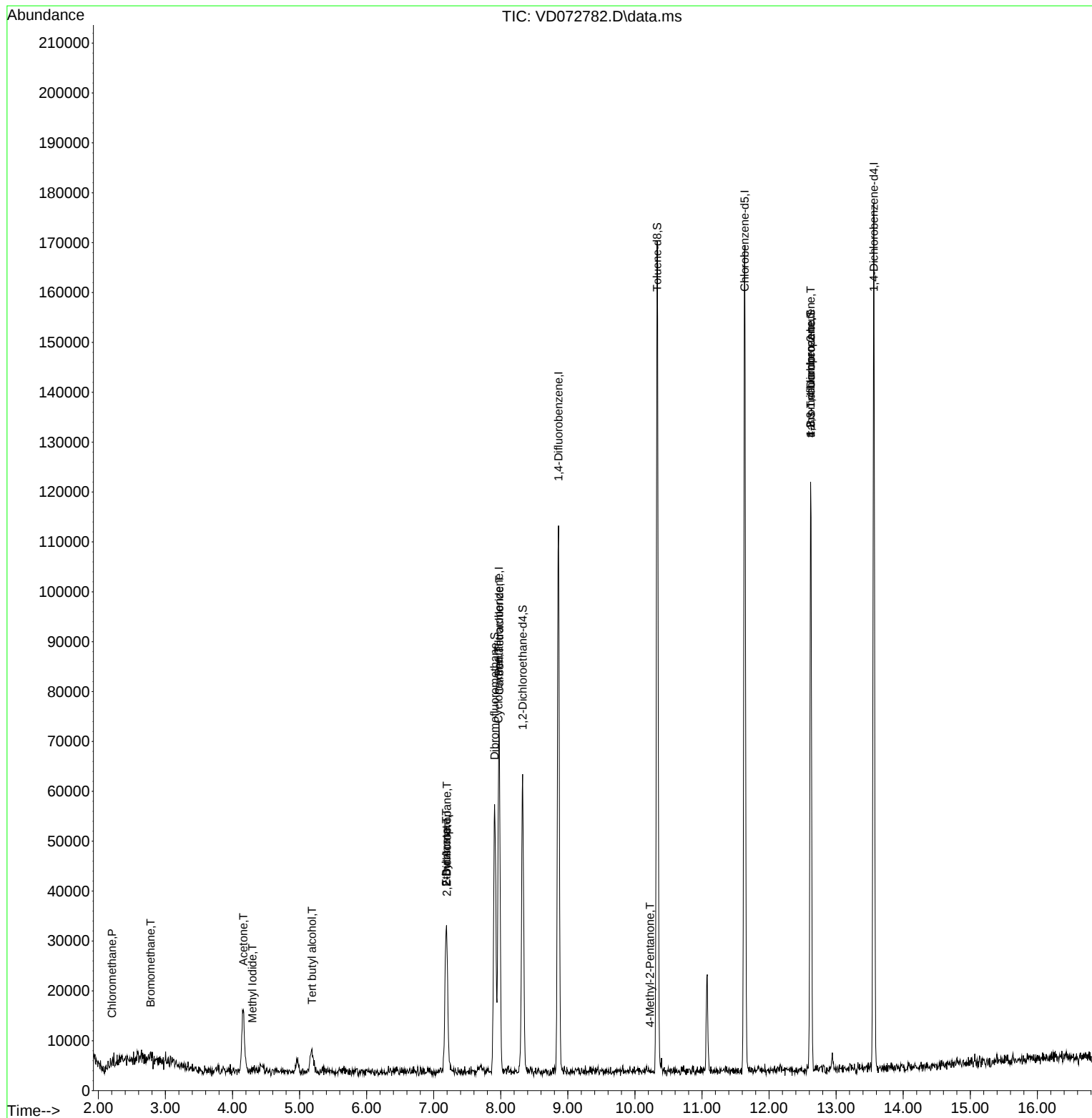
Internal Standards						
1) Pentafluorobenzene	7.973	168	48856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	90283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	98376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	41490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	46984	74.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.180%			
35) Dibromofluoromethane	7.908	113	39816	62.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.580%			
50) Toluene-d8	10.331	98	112289	49.369	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.620	95	40337	47.562	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.120%			
Target Compounds						Qvalue
3) Chloromethane	2.202	50	842	1.199	ug/l	92
5) Bromomethane	2.779	94	1159	1.492	ug/l	82
10) Methyl Iodide	4.297	142	1075	1.635	ug/l #	38
11) Tert butyl alcohol	5.185	59	3251	59.249	ug/l #	74
16) Acetone	4.161	43	21925	180.850	ug/l	100
18) Methyl Acetate	4.714	43	53	Below Cal	#	55
20) Methylene Chloride	4.955	84	1105	Below Cal	#	70
25) 2-Butanone	7.185	43	1913	10.353	ug/l #	52
26) 2,2-Dichloropropane	7.196	77	2368	2.228	ug/l #	54
31) Cyclohexane	7.967	56	1533	1.383	ug/l #	17
37) Ethyl Acetate	7.185	43	1913	4.036	ug/l #	2
38) Carbon Tetrachloride	7.979	117	5241	4.897	ug/l #	19
51) 4-Methyl-2-Pentanone	10.226	43	599	1.318	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	20740	44.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	20740	103.090	ug/l #	7

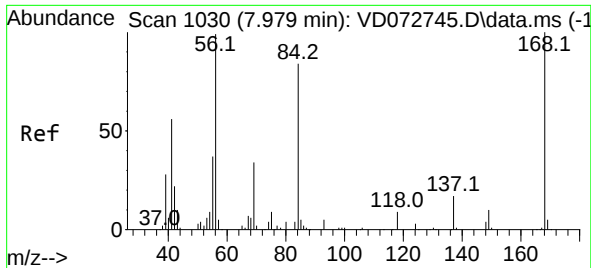
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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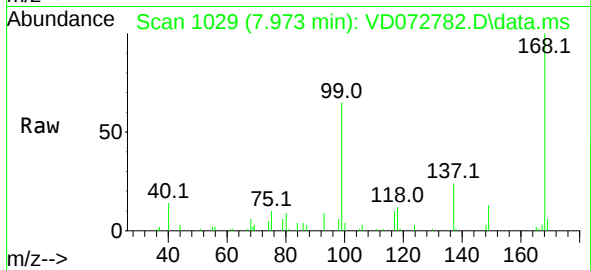
Quant Time: May 05 01:35:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
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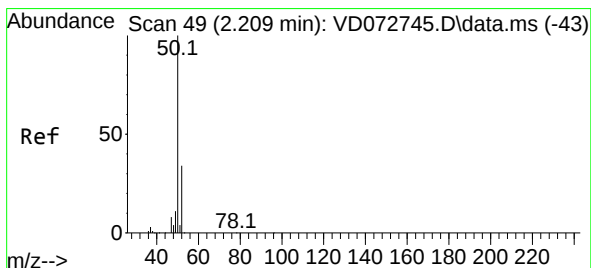
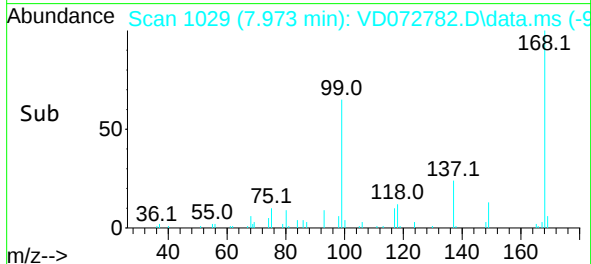
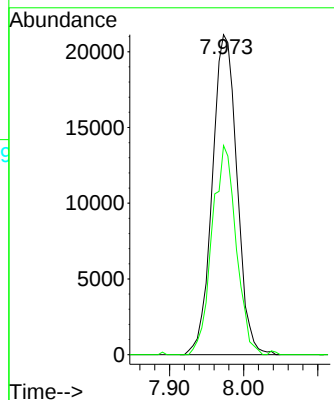


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Instrument :
MSVOA_D
ClientSampleId :
CL-01-050222RE

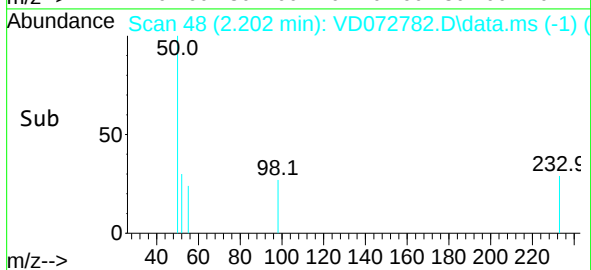
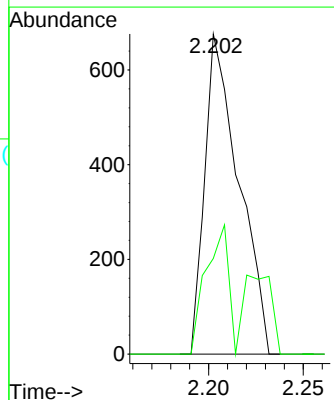
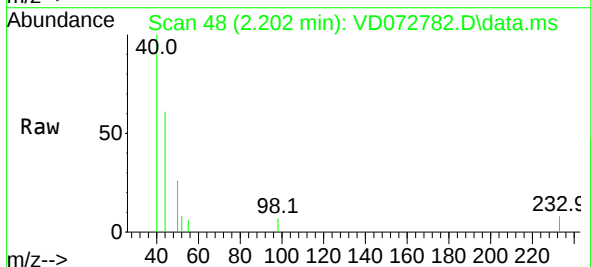


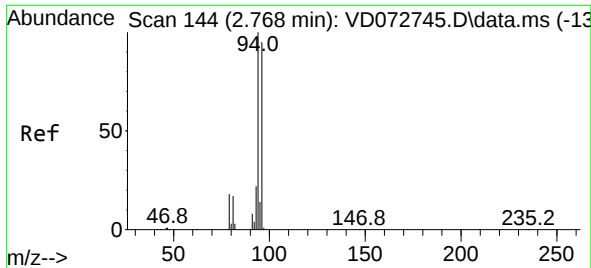
Tgt Ion:168 Resp: 48856
Ion Ratio Lower Upper
168 100
99 65.3 49.8 74.6



#3
Chloromethane
Concen: 1.199 ug/l
RT: 2.202 min Scan# 48
Delta R.T. -0.007 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Tgt Ion: 50 Resp: 842
Ion Ratio Lower Upper
50 100
52 29.9 27.4 41.0

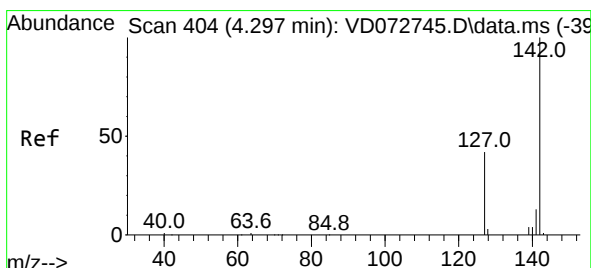
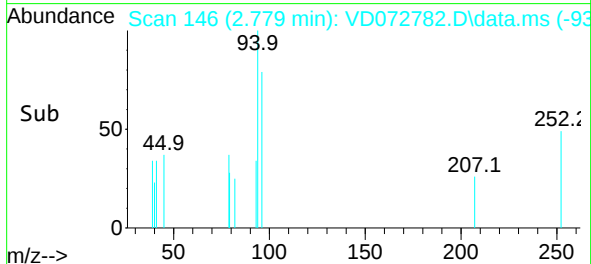
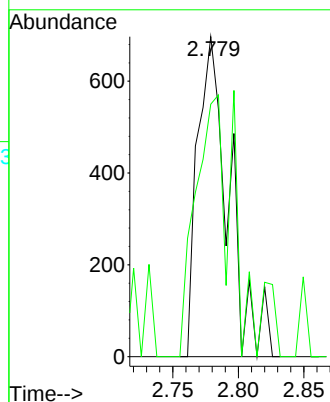
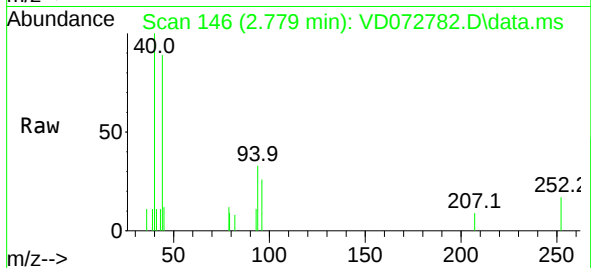




#5
Bromomethane
Concen: 1.492 ug/l
RT: 2.779 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

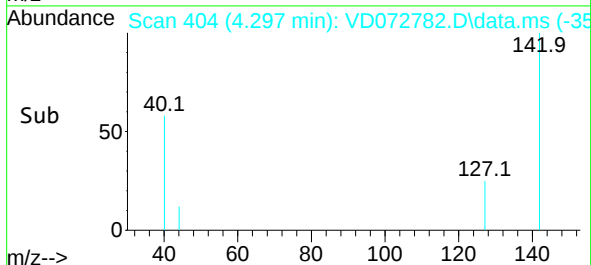
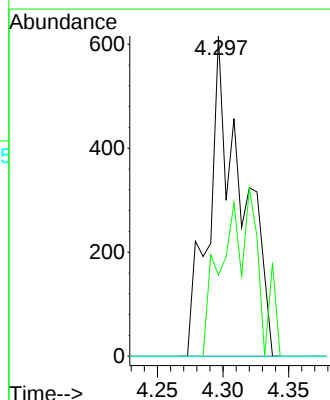
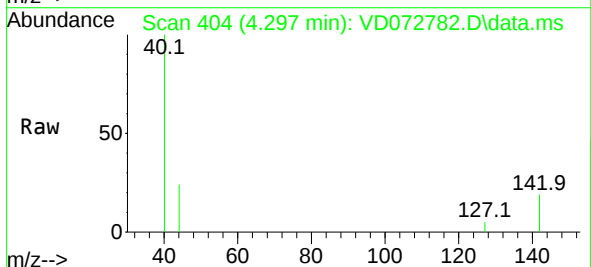
Instrument :
MSVOA_D
ClientSampleId :
CL-01-050222RE

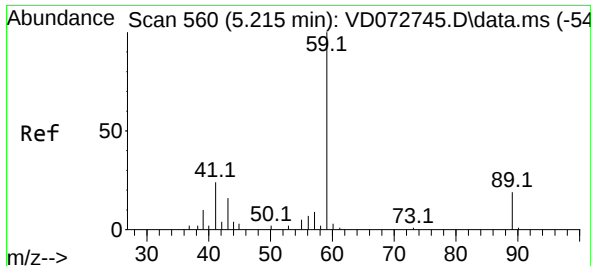
Tgt Ion: 94 Resp: 1159
Ion Ratio Lower Upper
94 100
96 78.9 77.6 116.4



#10
Methyl Iodide
Concen: 1.635 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Tgt Ion: 142 Resp: 1075
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 59.249 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

Instrument :

MSVOA_D

ClientSampleId :

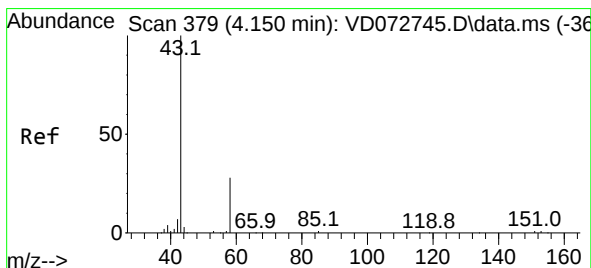
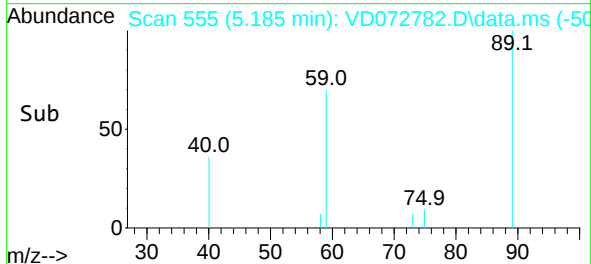
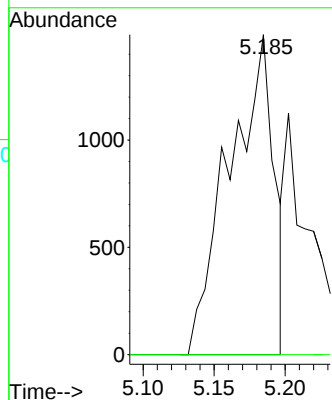
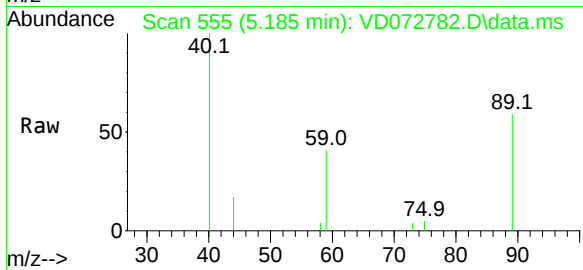
CL-01-050222RE

Tgt Ion: 59 Resp: 3251

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 180.850 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.011 min

Lab File: VD072782.D

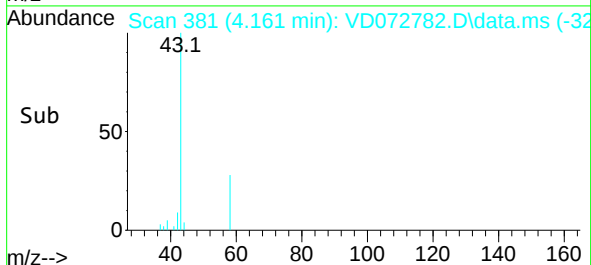
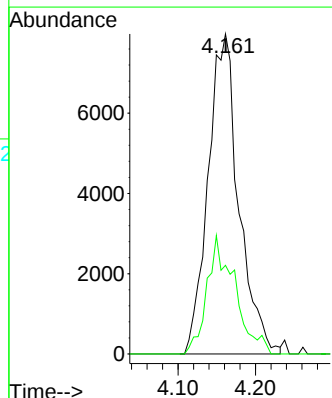
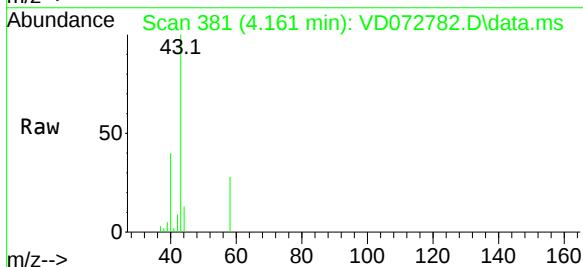
Acq: 04 May 2022 12:07

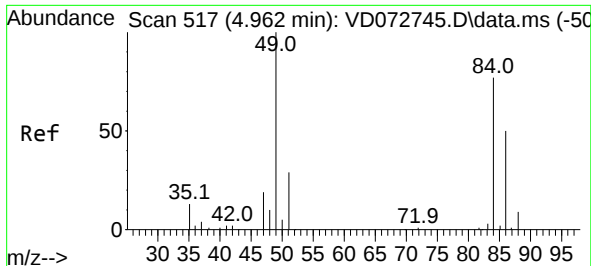
Tgt Ion: 43 Resp: 21925

Ion Ratio Lower Upper

43 100

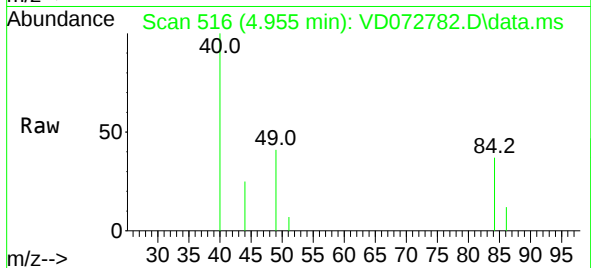
58 27.7 22.1 33.1



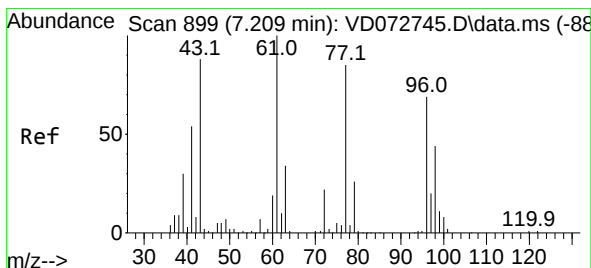
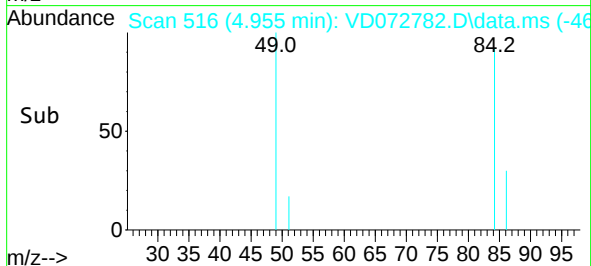
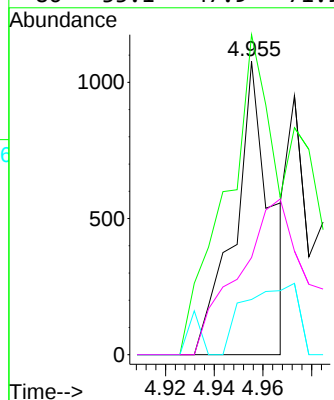


#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Instrument :
MSVOA_D
ClientSampleId :
CL-01-050222RE

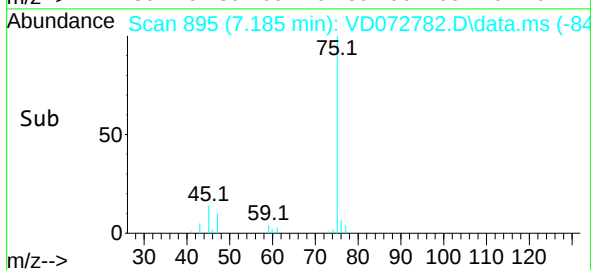
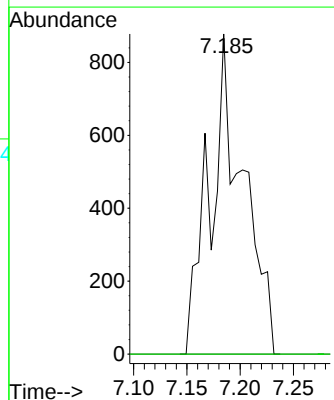
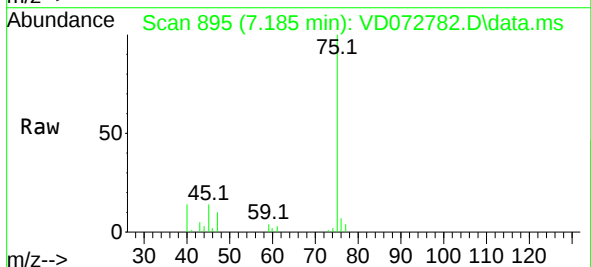


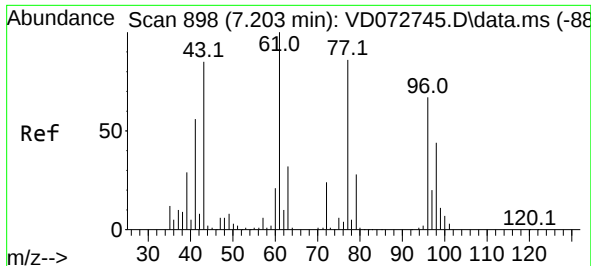
Tgt Ion:	84	Resp:	1105
Ion	Ratio	Lower	Upper
84	100		
49	109.1	112.8	169.2#
51	18.8	32.6	48.8#
86	33.1	47.9	71.9#



#25
2-Butanone
Concen: 10.353 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Tgt Ion:	43	Resp:	1913
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#26

2,2-Dichloropropane

Concen: 2.228 ug/l

RT: 7.196 min Scan# 89

Delta R.T. -0.007 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

Instrument :

MSVOA_D

ClientSampleId :

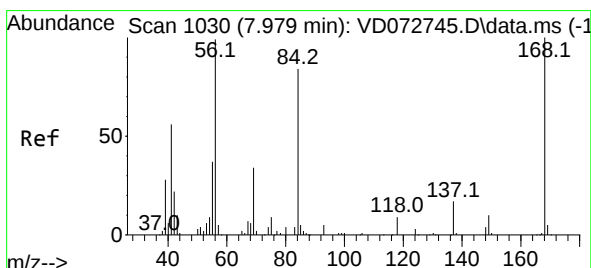
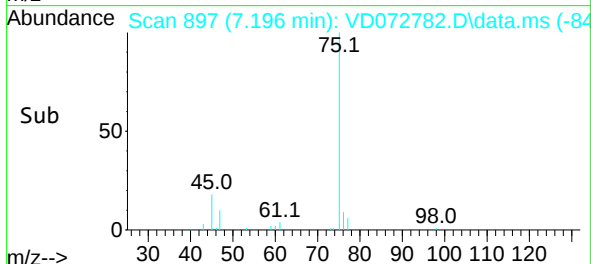
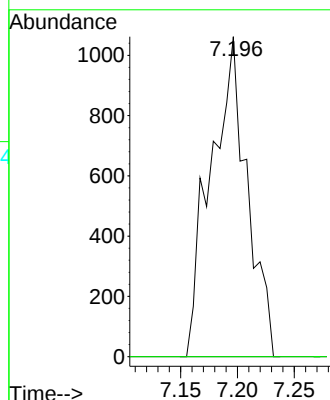
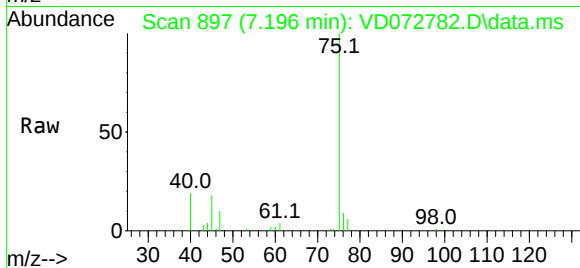
CL-01-050222RE

Tgt Ion: 77 Resp: 2368

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.383 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

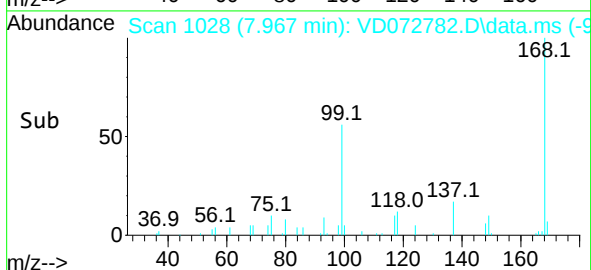
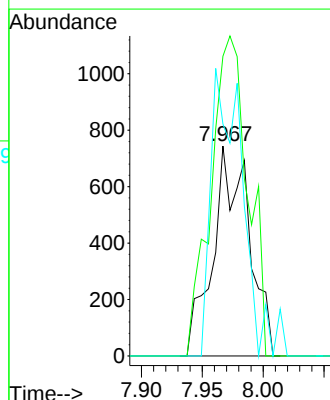
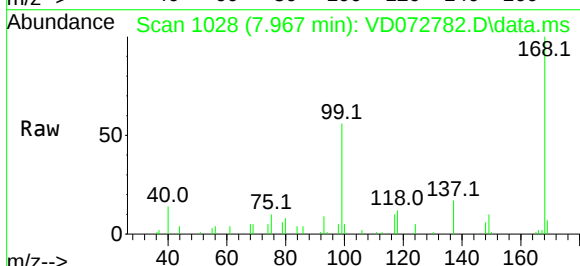
Tgt Ion: 56 Resp: 1533

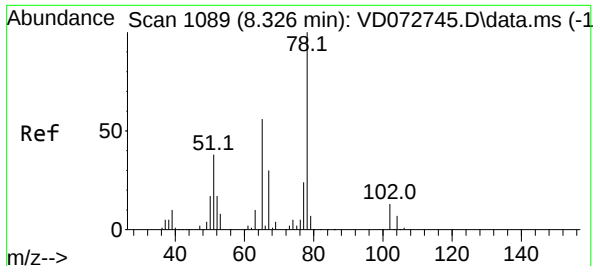
Ion Ratio Lower Upper

56 100

69 142.7 25.4 38.2#

84 110.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 74.085 ug/l

RT: 8.326 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

Instrument :

MSVOA_D

ClientSampleId :

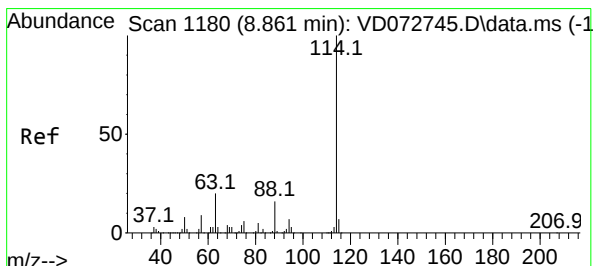
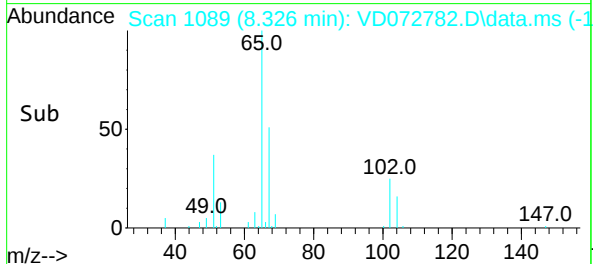
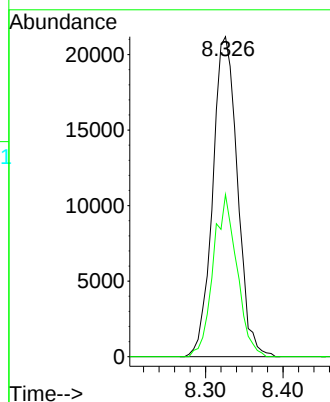
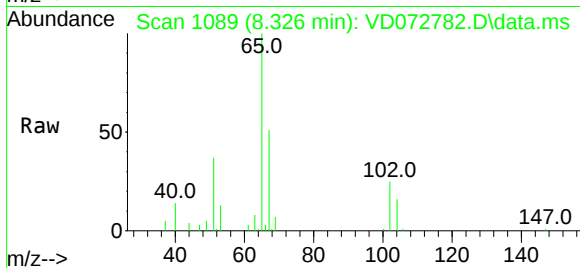
CL-01-050222RE

Tgt Ion: 65 Resp: 46984

Ion Ratio Lower Upper

65 100

67 48.5 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: VD072782.D

Acq: 04 May 2022 12:07

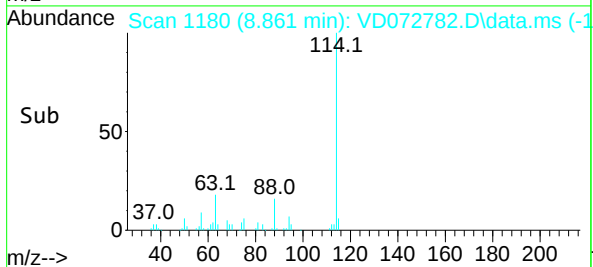
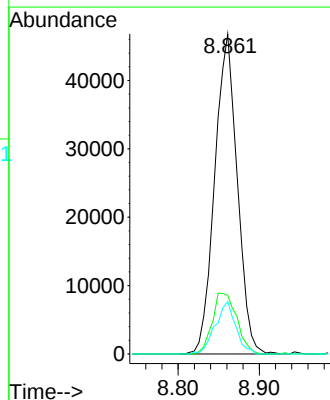
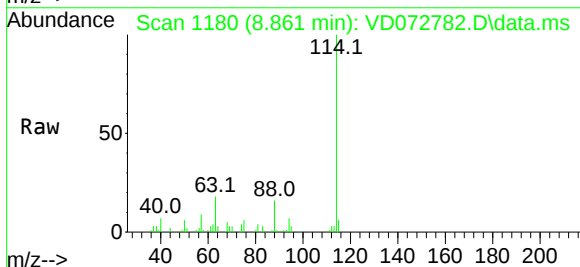
Tgt Ion: 114 Resp: 90283

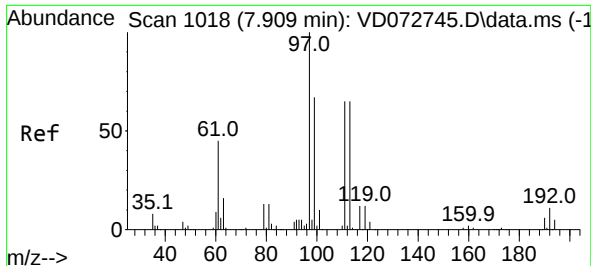
Ion Ratio Lower Upper

114 100

63 18.4 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 62.795 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072782.D

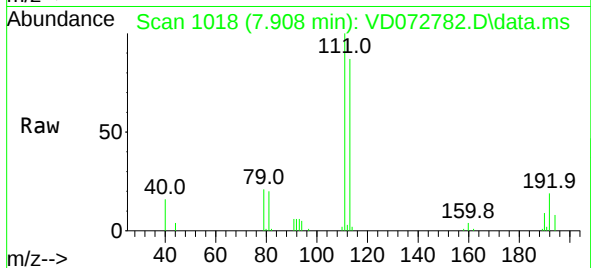
Acq: 04 May 2022 12:07

Instrument :

MSVOA_D

ClientSampleId :

CL-01-050222RE



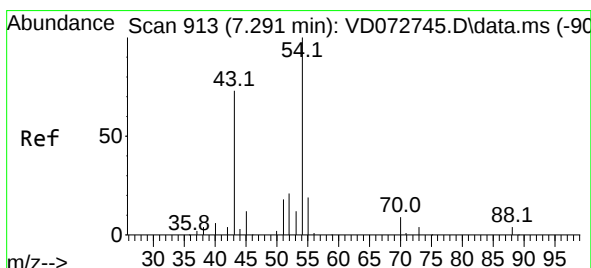
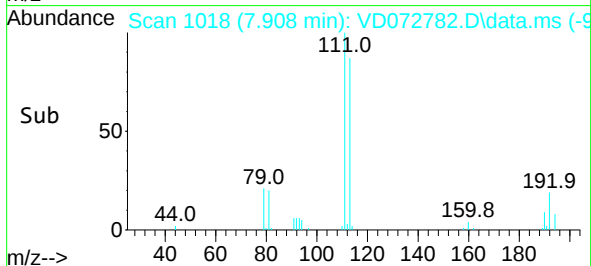
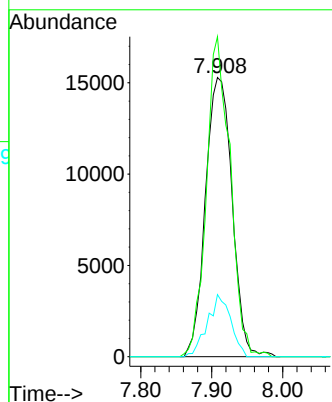
Tgt Ion:113 Resp: 39816

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 19.4 14.6 21.8



#37

Ethyl Acetate

Concen: 4.036 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.106 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

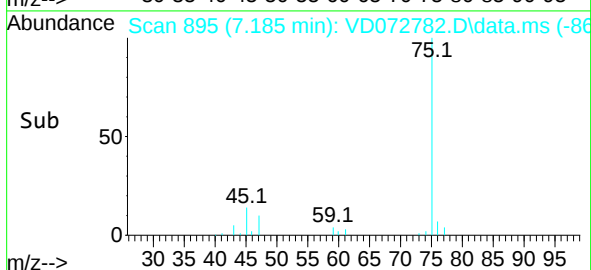
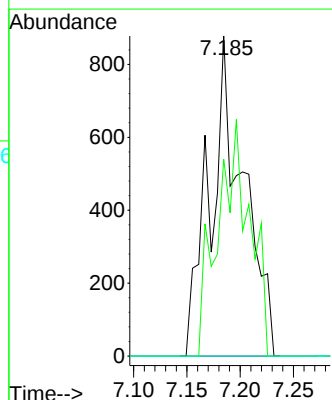
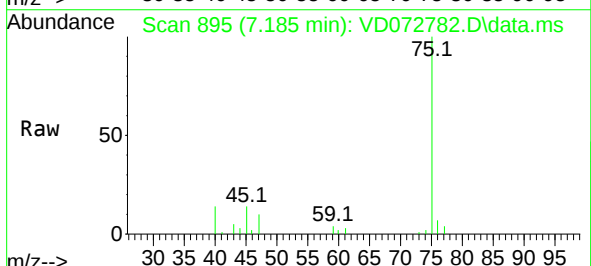
Tgt Ion: 43 Resp: 1913

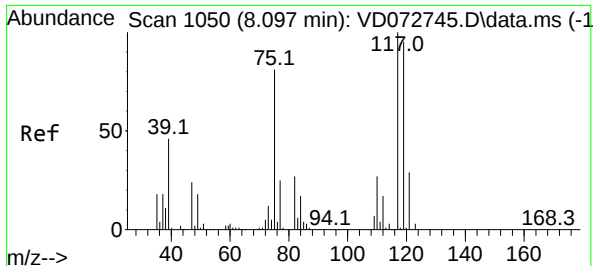
Ion Ratio Lower Upper

43 100

61 71.2 9.8 14.8#

70 0.0 6.9 10.3#

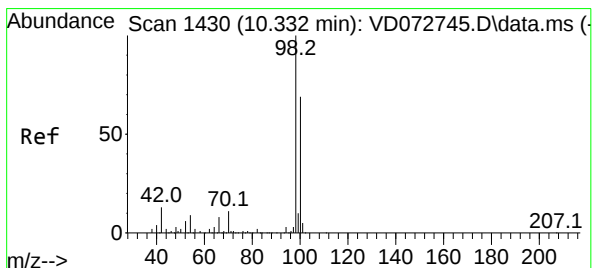
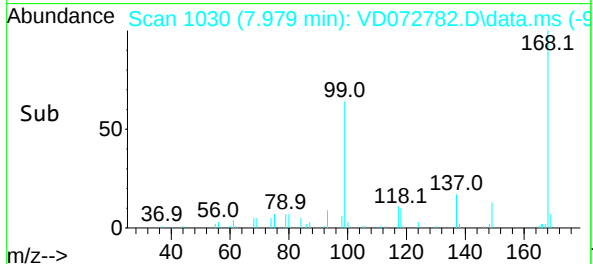
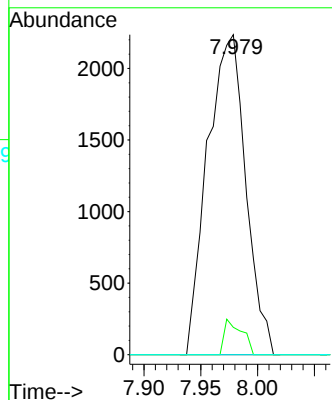
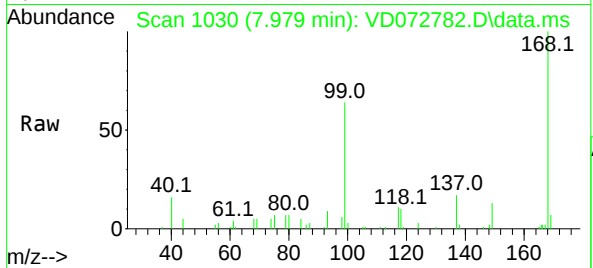




#38
Carbon Tetrachloride
Concen: 4.897 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

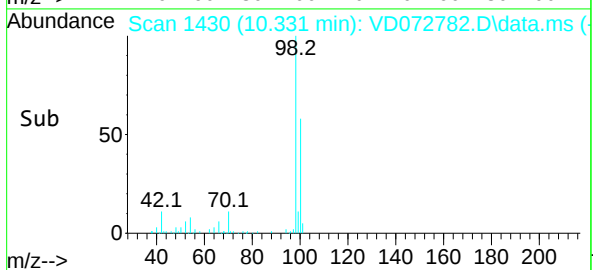
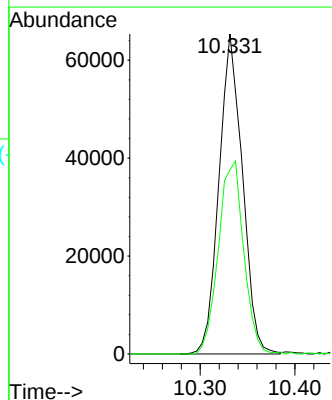
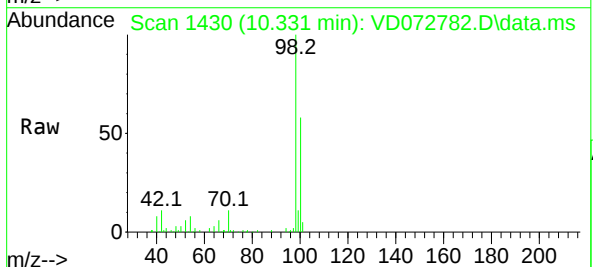
Instrument :
MSVOA_D
ClientSampleId :
CL-01-050222RE

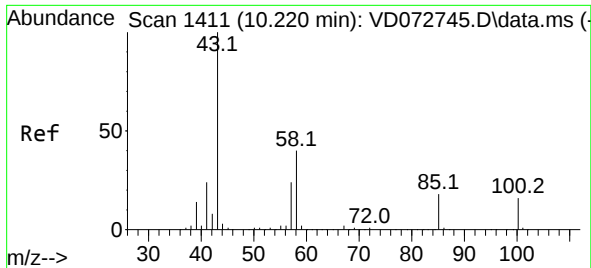
Tgt Ion:117 Resp: 5241
Ion Ratio Lower Upper
117 100
119 8.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.369 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.001 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Tgt Ion: 98 Resp: 112289
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6

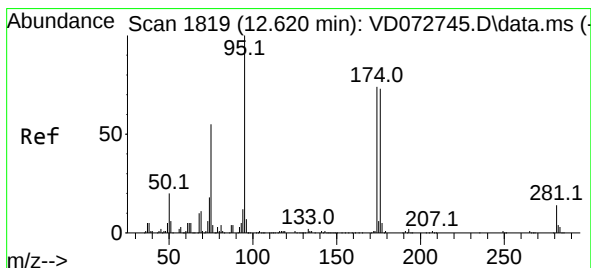
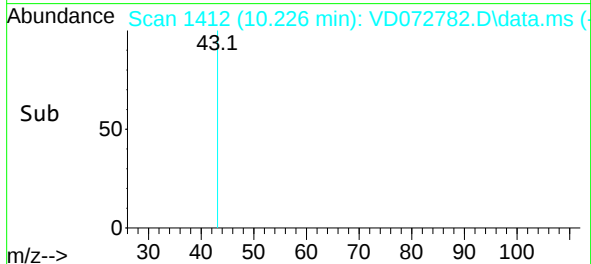
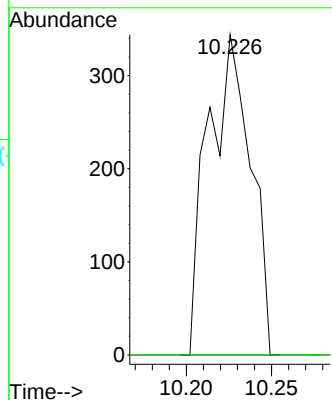
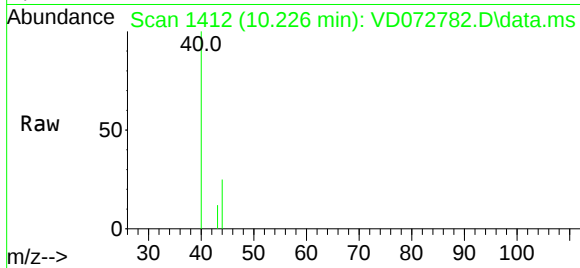




#51
4-Methyl-2-Pentanone
Concen: 1.318 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

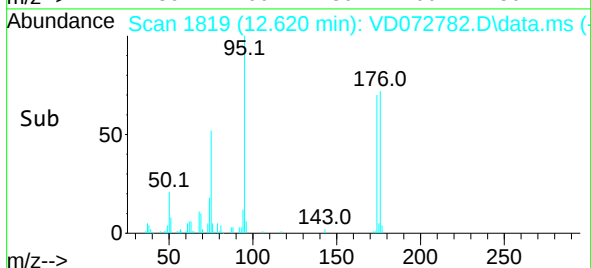
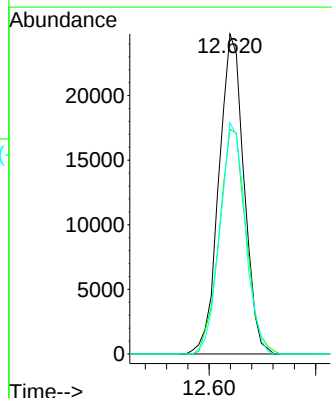
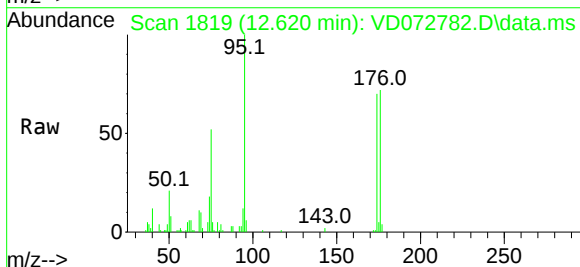
Instrument :
MSVOA_D
ClientSampleId :
CL-01-050222RE

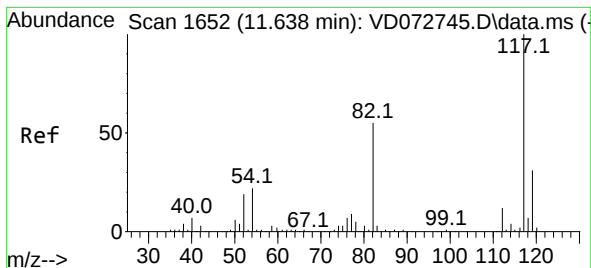
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 47.562 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072782.D
Acq: 04 May 2022 12:07

Tgt Ion: 95 Resp: 40337
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 73.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.637 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD072782.D

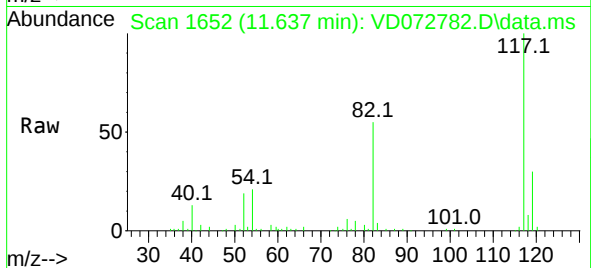
Acq: 04 May 2022 12:07

Instrument :

MSVOA_D

ClientSampleId :

CL-01-050222RE



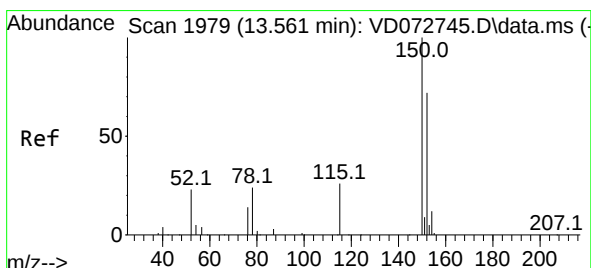
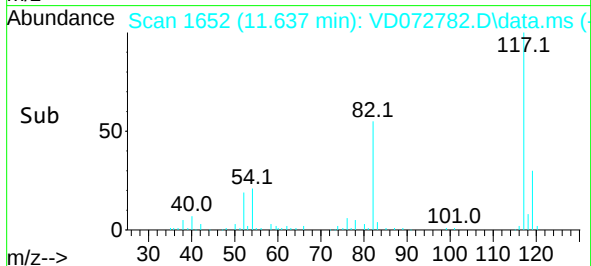
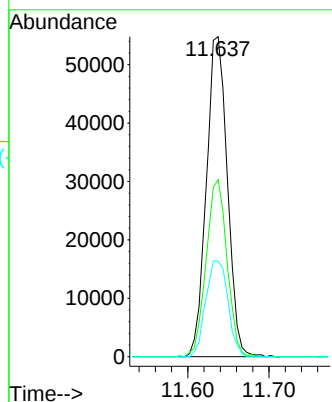
Tgt Ion:117 Resp: 98376

Ion Ratio Lower Upper

117 100

82 55.3 45.3 67.9

119 29.8 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

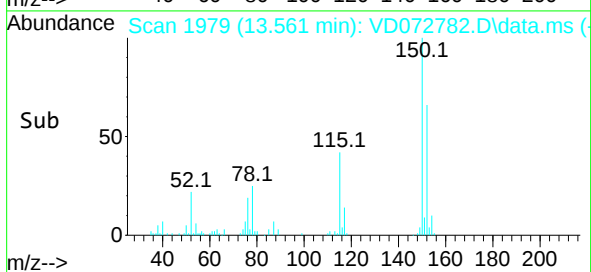
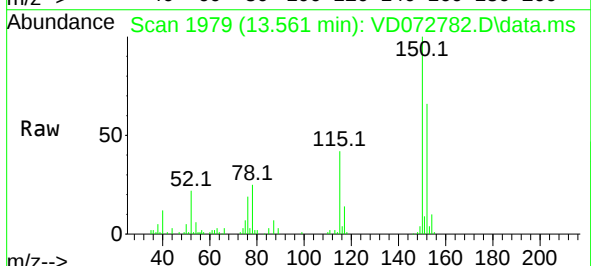
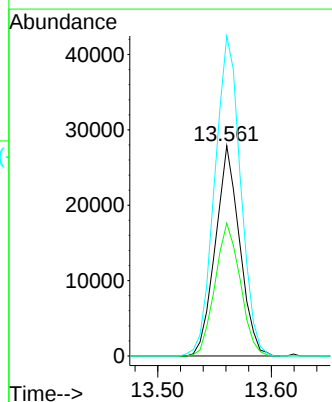
Tgt Ion:152 Resp: 41490

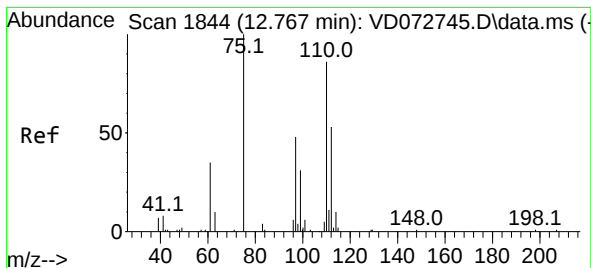
Ion Ratio Lower Upper

152 100

115 65.4 31.3 93.8

150 161.8 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 44.830 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

Instrument :

MSVOA_D

ClientSampleId :

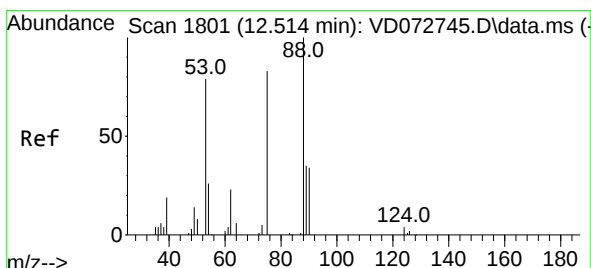
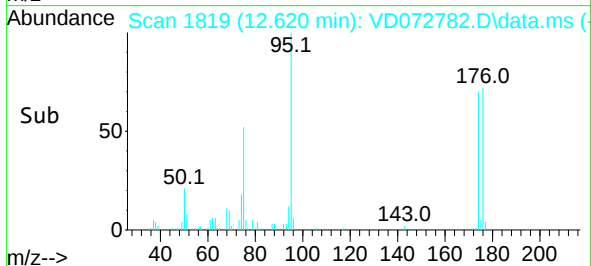
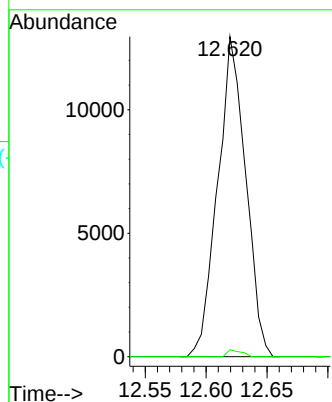
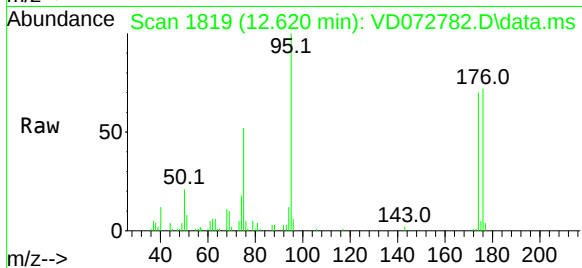
CL-01-050222RE

Tgt Ion: 75 Resp: 20740

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.090 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.106 min

Lab File: VD072782.D

Acq: 04 May 2022 12:07

Tgt Ion: 75 Resp: 20740

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 33.9 50.9#

