

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072287.D
 Acq On : 18 Mar 2022 13:53
 Operator : VA/SY
 Sample : N1954-01RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-031522RE

Quant Time: Mar 19 05:23:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

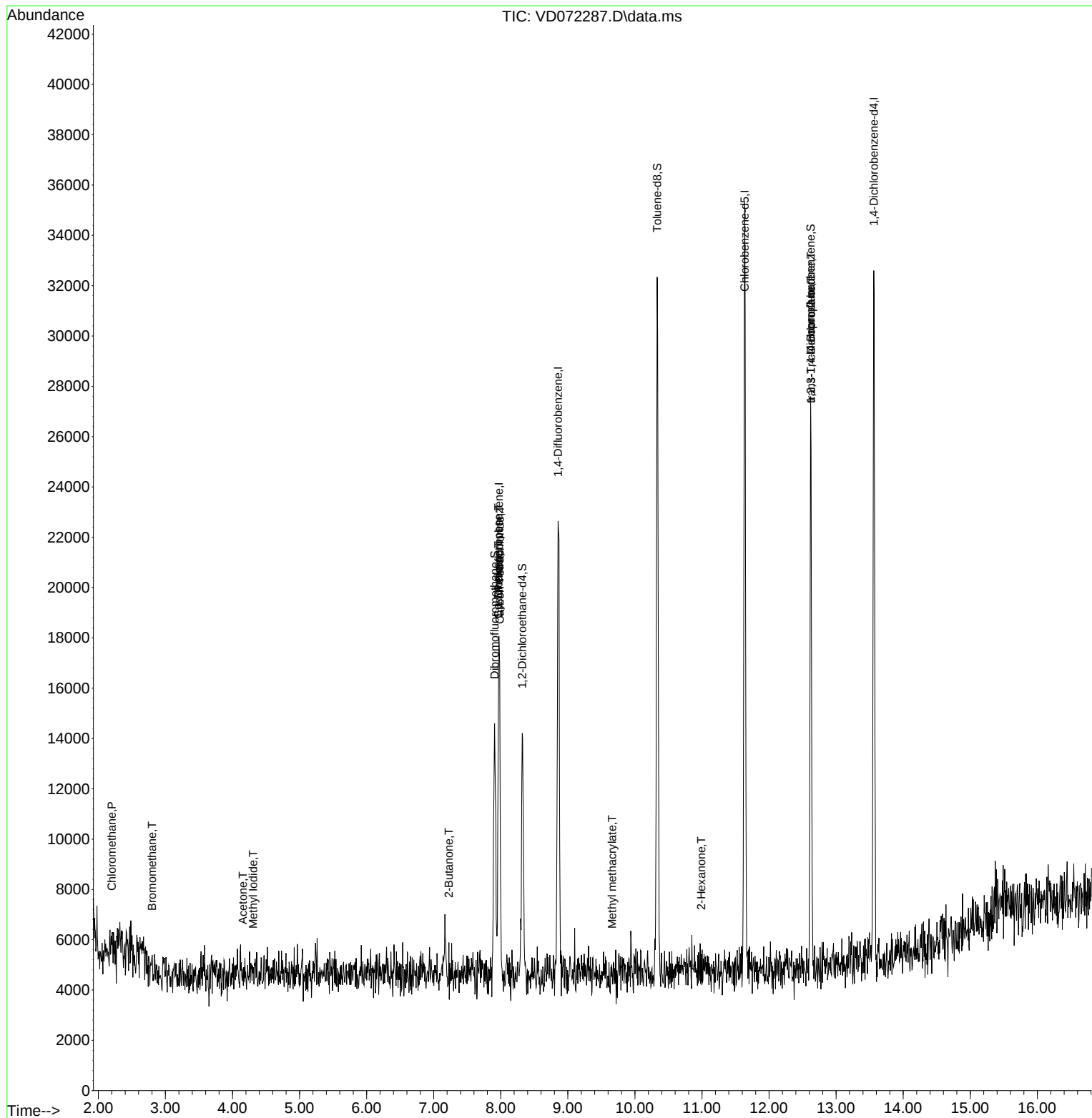
Internal Standards						
1) Pentafluorobenzene	7.973	168	10549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	15930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	7485	63.668	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.340%			
35) Dibromofluoromethane	7.908	113	6849	61.097	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.200%			
50) Toluene-d8	10.332	98	18819	45.911	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.820%			
62) 4-Bromofluorobenzene	12.620	95	6729	42.250	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.500%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	468	5.398	ug/l #	77
5) Bromomethane	2.803	94	427	7.835	ug/l #	1
10) Methyl Iodide	4.309	142	332	5.165	ug/l #	38
16) Acetone	4.156	43	251	9.833	ug/l #	47
25) 2-Butanone	7.226	43	59	1.734	ug/l #	52
31) Cyclohexane	7.967	56	277	1.508	ug/l #	75
36) 1,1-Dichloropropene	7.967	75	784	4.985	ug/l #	43
38) Carbon Tetrachloride	7.985	117	869	4.861	ug/l #	13
48) Methyl methacrylate	9.661	41	73	1.143	ug/l #	19
59) 2-Hexanone	10.991	43	65	1.340	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	4346	51.991	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	4346	128.994	ug/l #	7

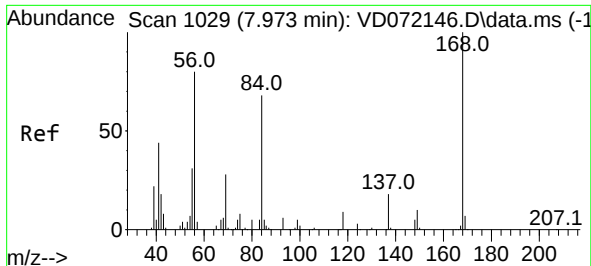
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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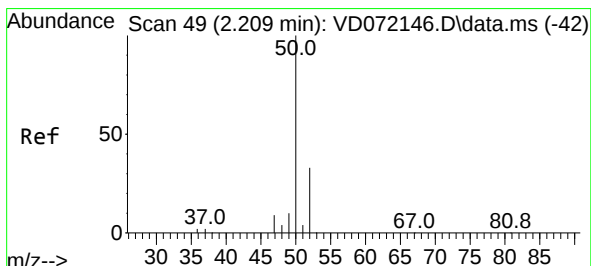
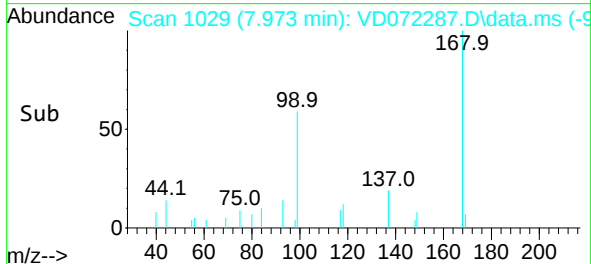
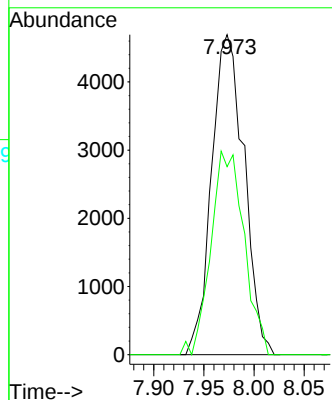
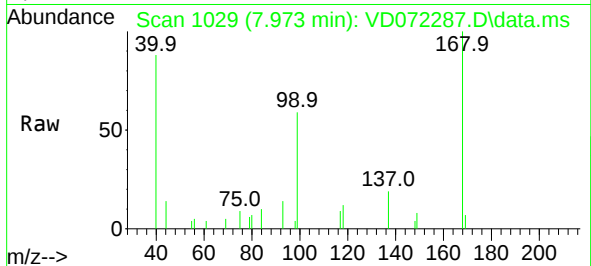




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

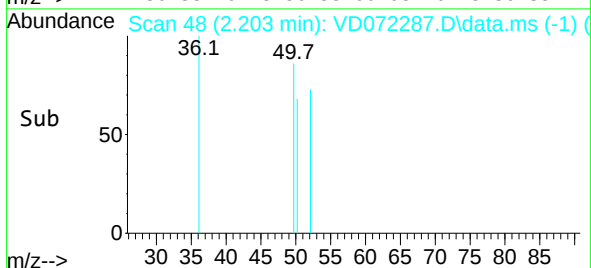
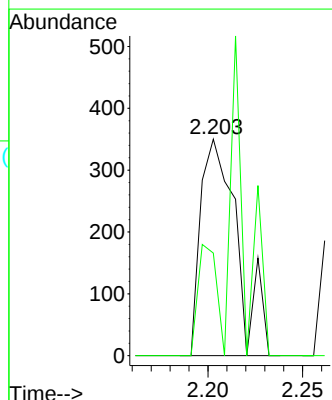
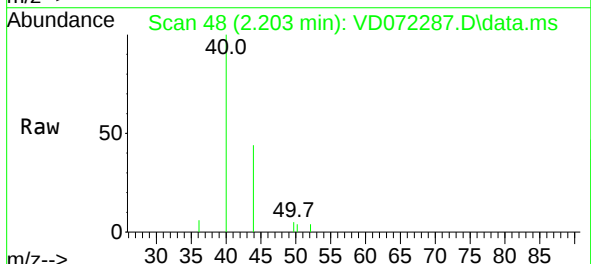
Instrument :
MSVOA_D
ClientSampleId :
CL-02-031522RE

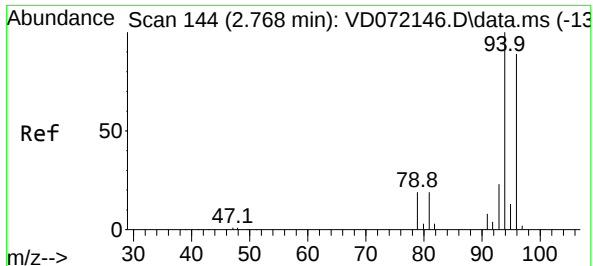
Tgt Ion:168 Resp: 10549
Ion Ratio Lower Upper
168 100
99 58.7 49.8 74.6



#3
Chloromethane
Concen: 5.398 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 50 Resp: 468
Ion Ratio Lower Upper
50 100
52 47.4 27.4 41.0#





#5

Bromomethane

Concen: 7.835 ug/l

RT: 2.803 min Scan# 11

Delta R.T. 0.035 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

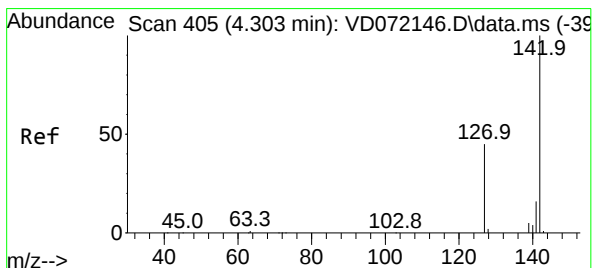
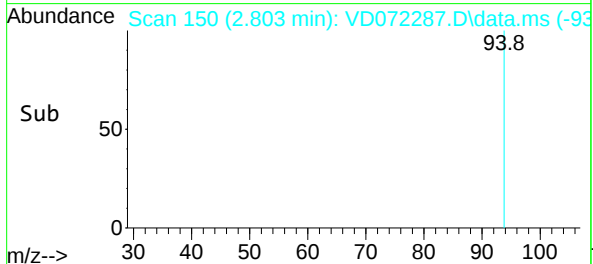
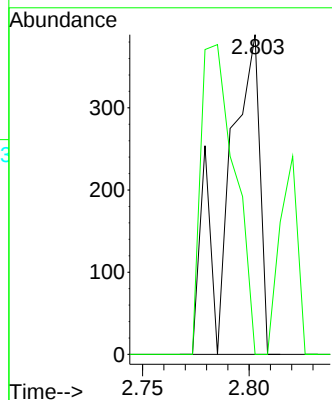
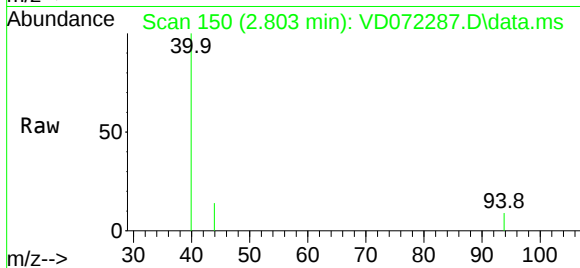
CL-02-031522RE

Tgt Ion: 94 Resp: 427

Ion Ratio Lower Upper

94 100

96 0.0 77.6 116.4#



#10

Methyl Iodide

Concen: 5.165 ug/l

RT: 4.309 min Scan# 406

Delta R.T. 0.006 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

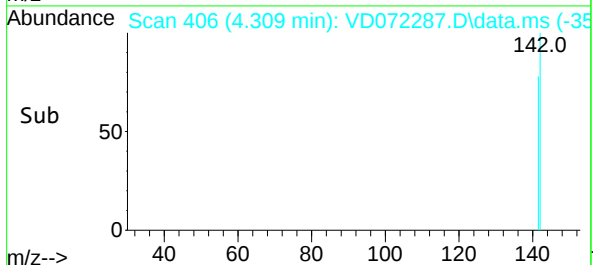
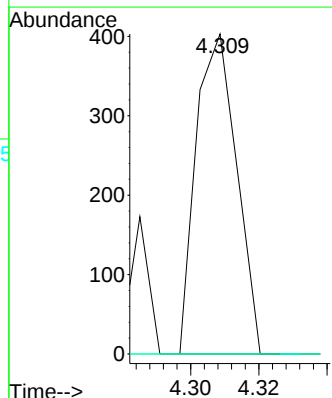
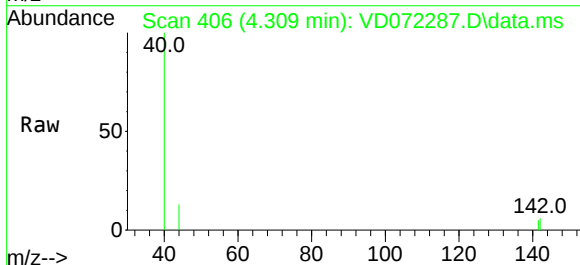
Tgt Ion:142 Resp: 332

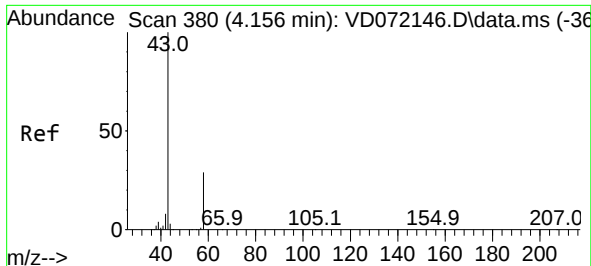
Ion Ratio Lower Upper

142 100

127 0.0 37.3 55.9#

141 0.0 11.7 17.5#

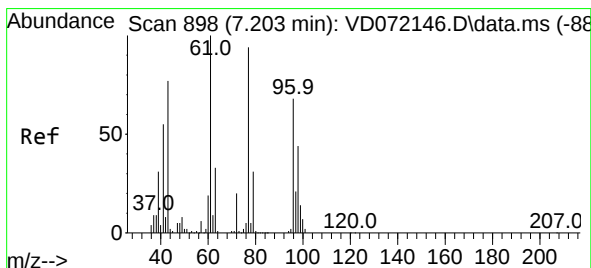
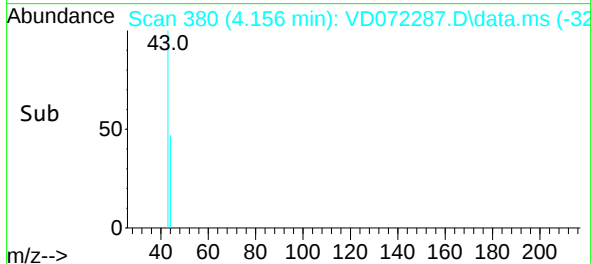
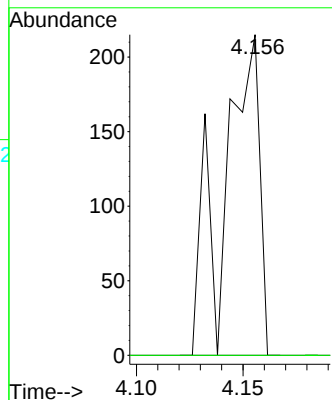
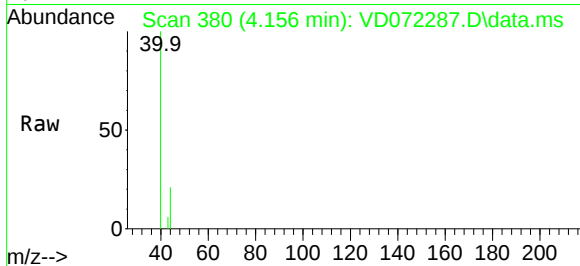




#16
Acetone
Concen: 9.833 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

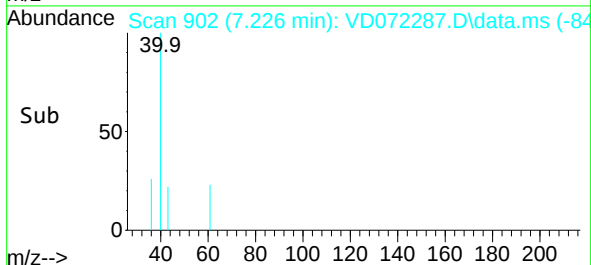
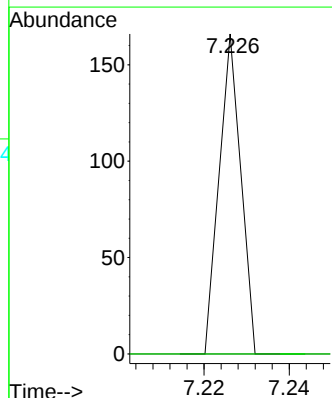
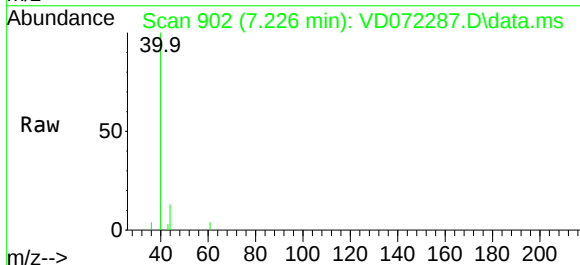
Instrument :
MSVOA_D
ClientSampleId :
CL-02-031522RE

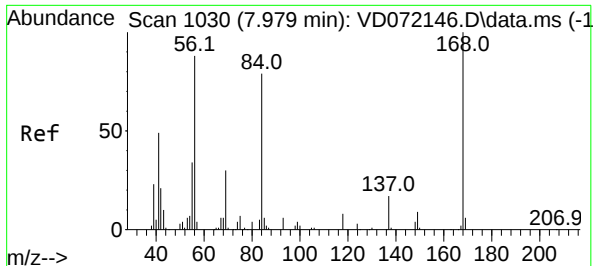
Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#25
2-Butanone
Concen: 1.734 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.023 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.508 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072287.D

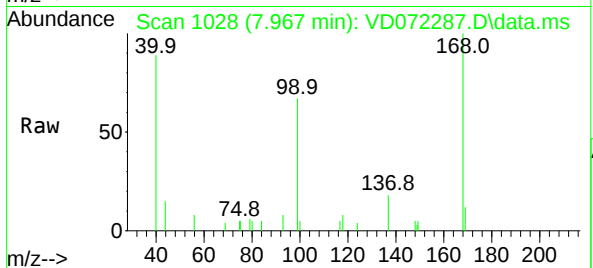
Acq: 18 Mar 2022 13:53

Instrument :

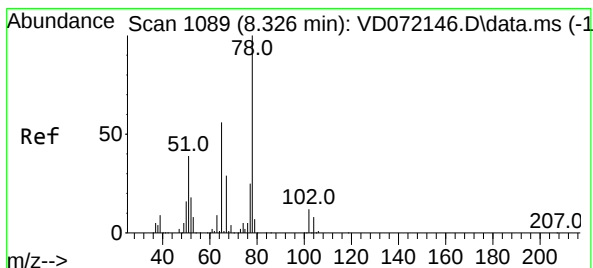
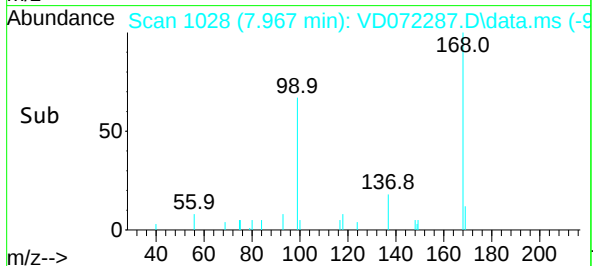
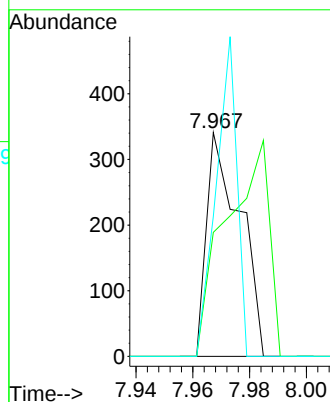
MSVOA_D

ClientSampleId :

CL-02-031522RE



Tgt Ion:	56	Resp:	277
Ion Ratio	100	Lower	Upper
56	100		
69	55.4	25.4	38.2#
84	62.5	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 63.668 ug/l

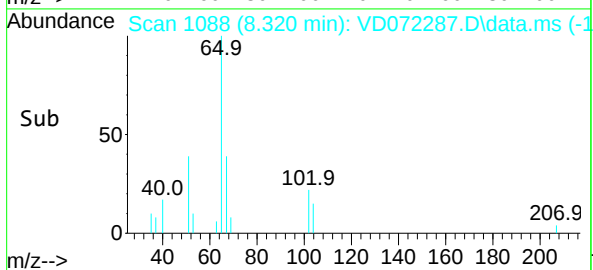
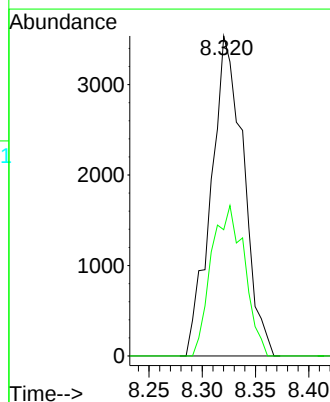
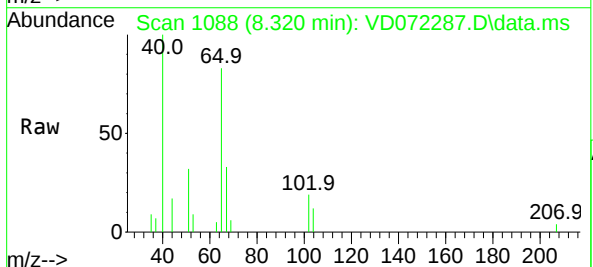
RT: 8.320 min Scan# 1088

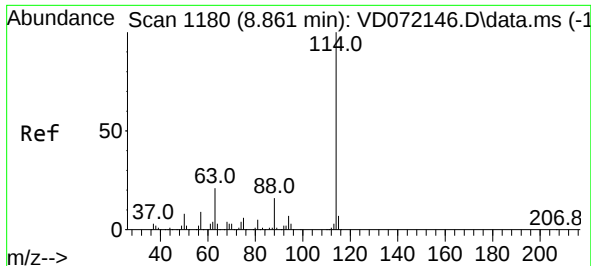
Delta R.T. -0.006 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

Tgt Ion:	65	Resp:	7485
Ion Ratio	100	Lower	Upper
65	100		
67	48.0	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

CL-02-031522RE

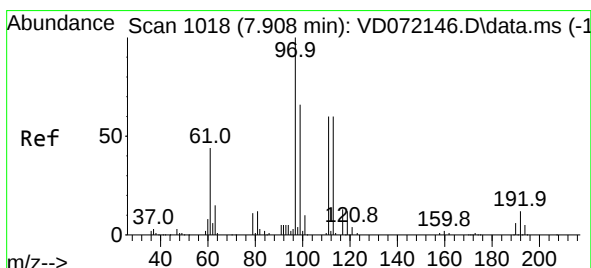
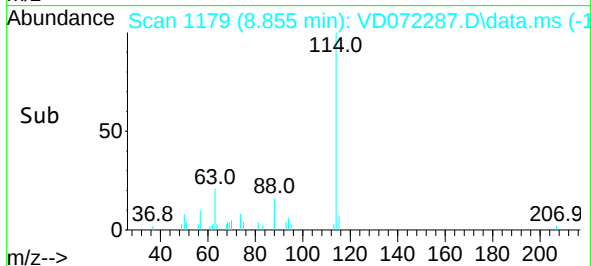
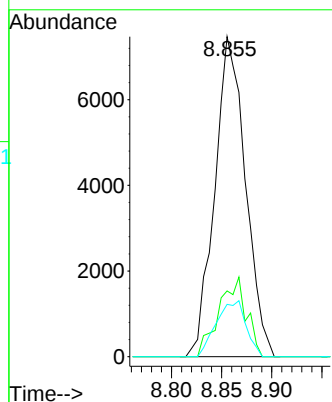
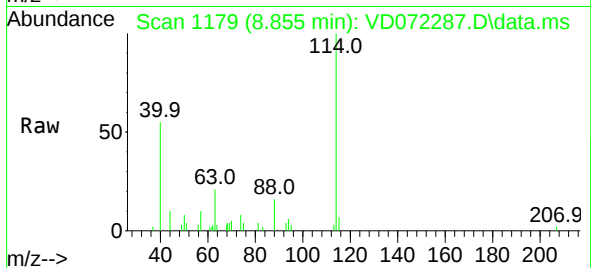
Tgt Ion:114 Resp: 15930

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 61.097 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

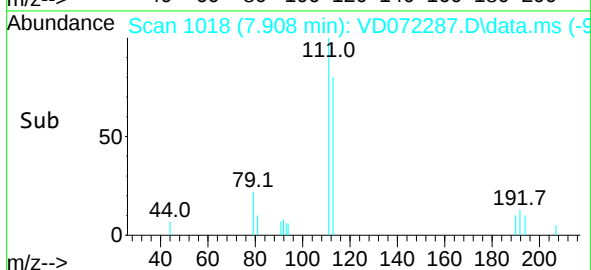
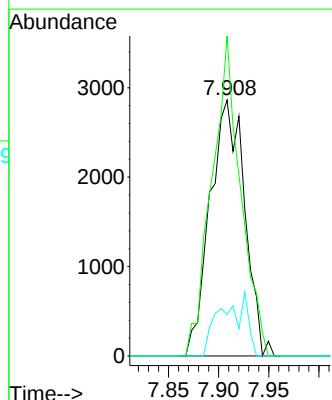
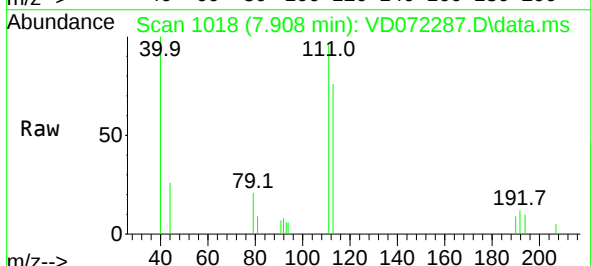
Tgt Ion:113 Resp: 6849

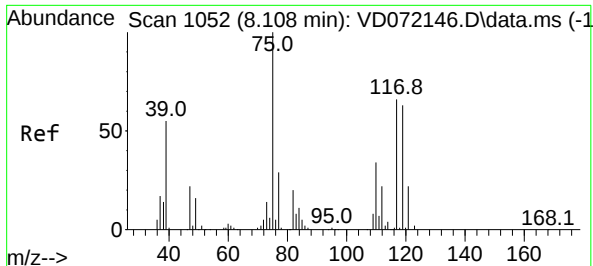
Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.6

192 9.2 14.6 21.8#





#36

1,1-Dichloropropene

Concen: 4.985 ug/l

RT: 7.967 min Scan# 1031

Delta R.T. -0.141 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

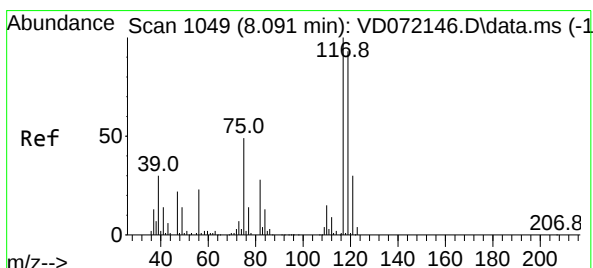
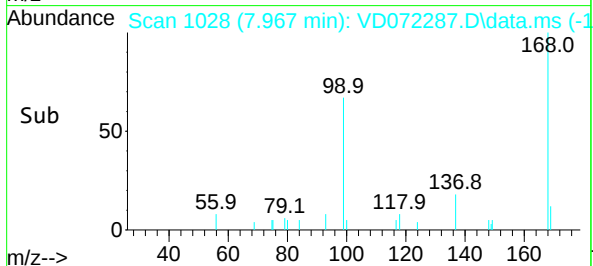
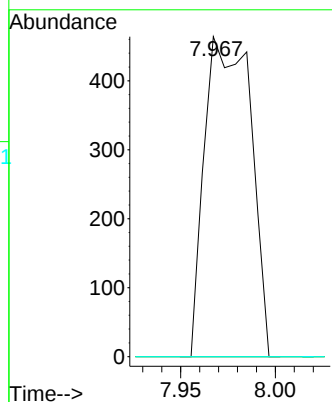
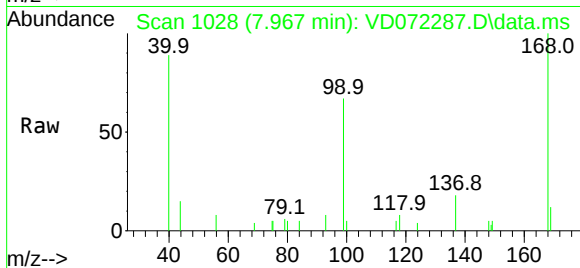
Instrument :

MSVOA_D

ClientSampleId :

CL-02-031522RE

Tgt Ion: 75	Resp:	784
Ion Ratio	Lower	Upper
75	100	
110	0.0	16.4 49.1#
77	0.0	24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.861 ug/l

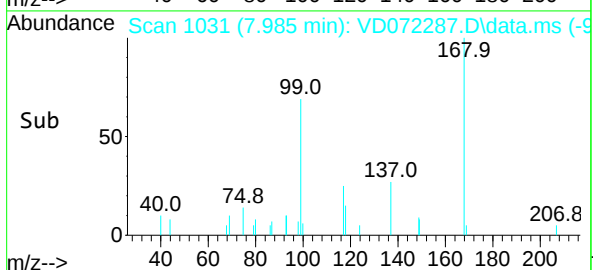
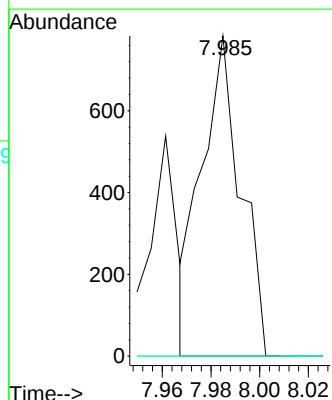
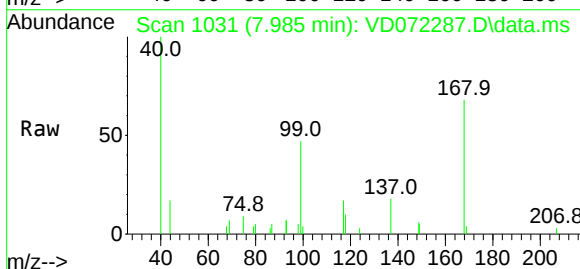
RT: 7.985 min Scan# 1031

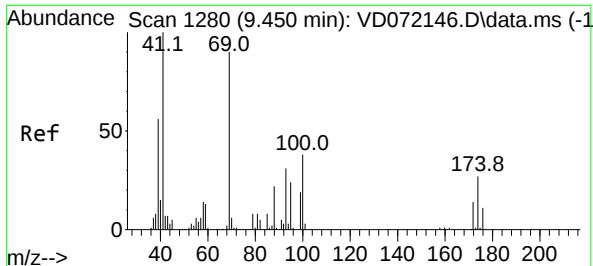
Delta R.T. -0.106 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

Tgt Ion: 117	Resp:	869
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#





#48

Methyl methacrylate

Concen: 1.143 ug/l

RT: 9.661 min Scan# 11

Delta R.T. 0.212 min

Lab File: VD072287.D

Acq: 18 Mar 2022 13:53

Instrument :

MSVOA_D

ClientSampleId :

CL-02-031522RE

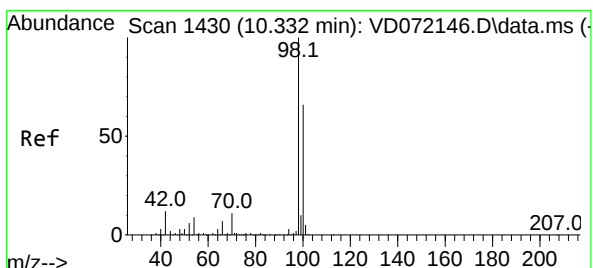
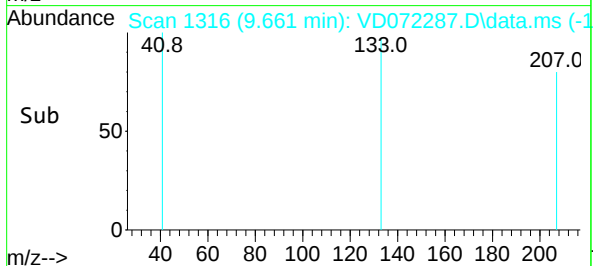
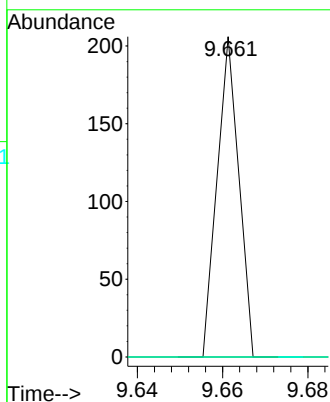
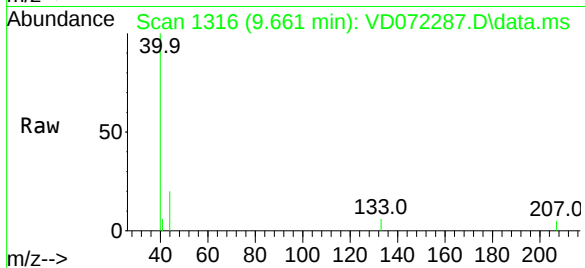
Tgt Ion: 41 Resp: 73

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 45.911 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072287.D

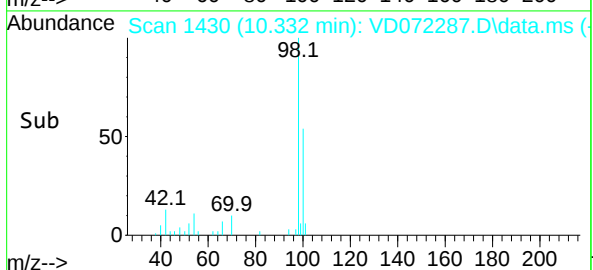
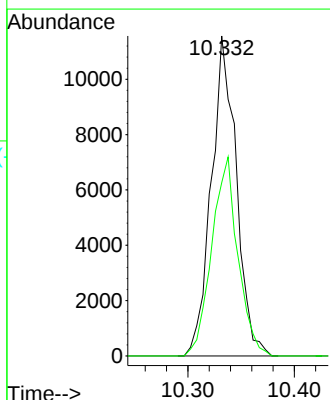
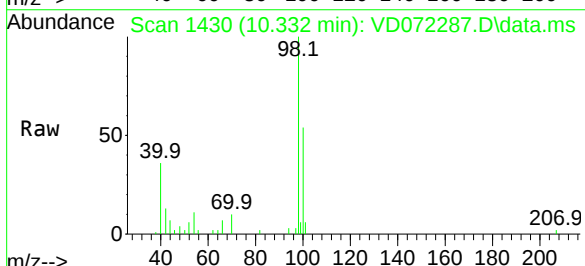
Acq: 18 Mar 2022 13:53

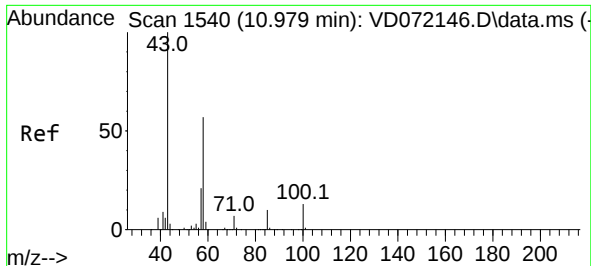
Tgt Ion: 98 Resp: 18819

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6

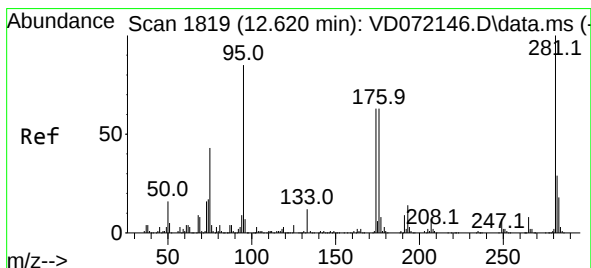
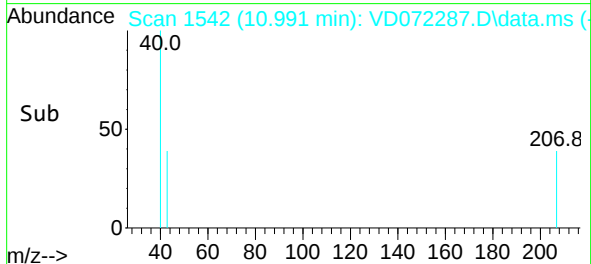
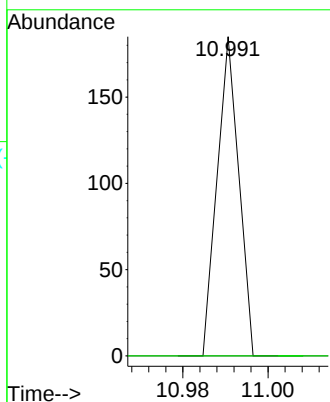
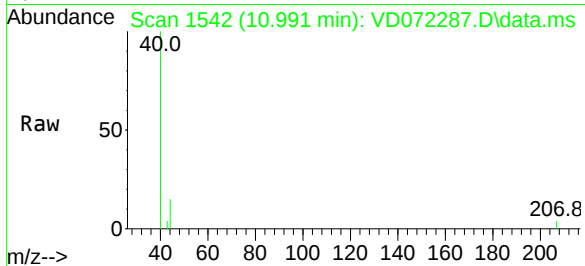




#59
2-Hexanone
Concen: 1.340 ug/l
RT: 10.991 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

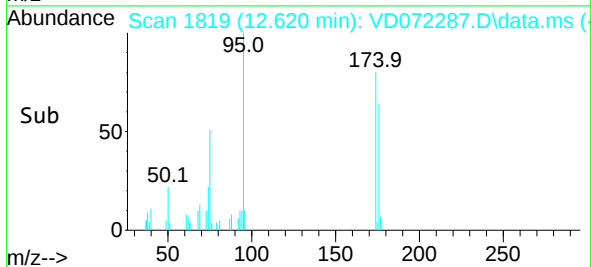
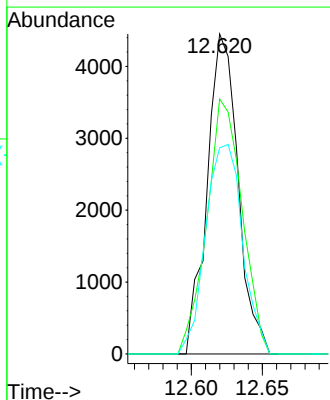
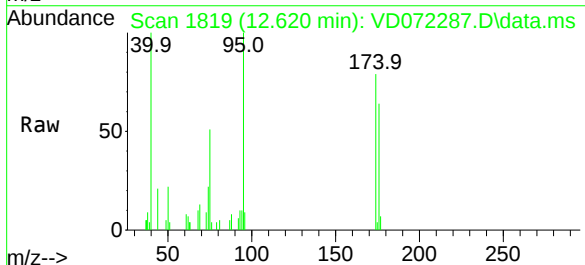
Instrument :
MSVOA_D
ClientSampleId :
CL-02-031522RE

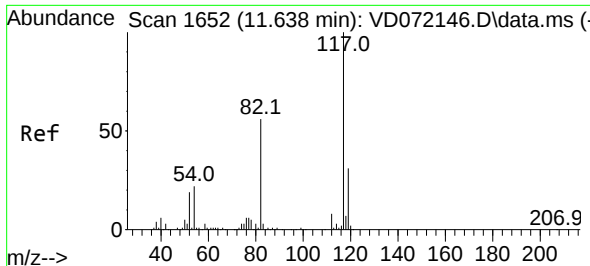
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 42.250 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 95 Resp: 6729
Ion Ratio Lower Upper
95 100
174 91.3 0.0 152.8
176 78.3 0.0 145.4

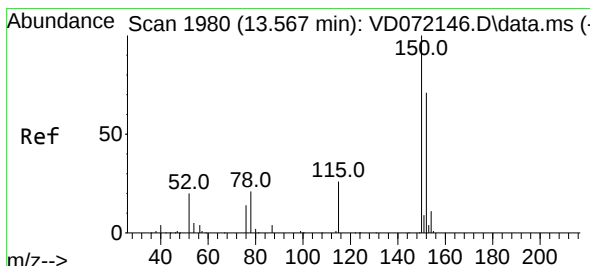
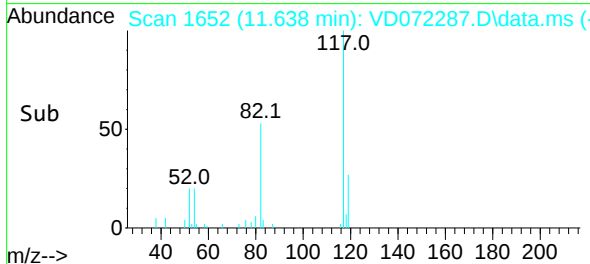
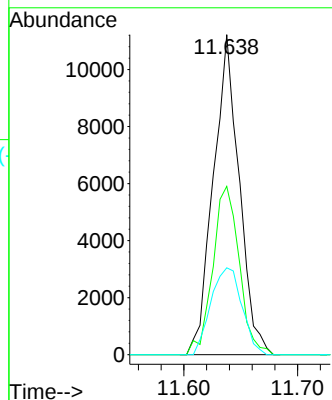
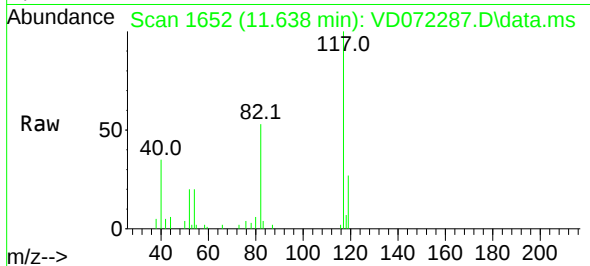




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117789
Delta R.T. -0.000 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

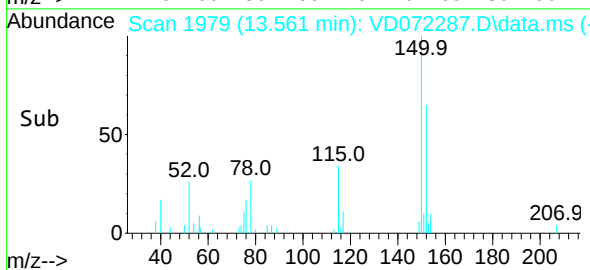
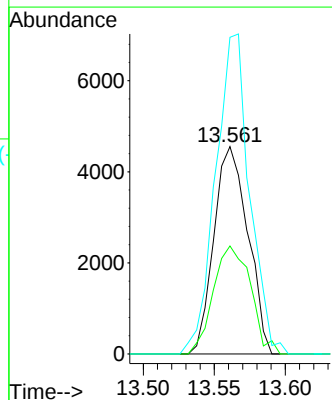
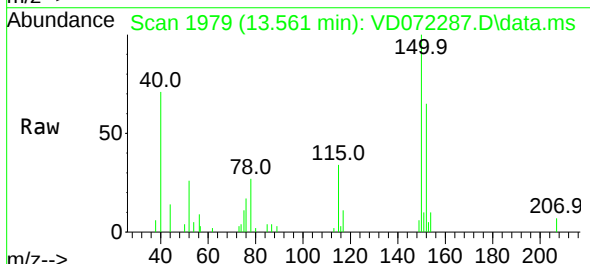
Instrument :
MSVOA_D
ClientSampleId :
CL-02-031522RE

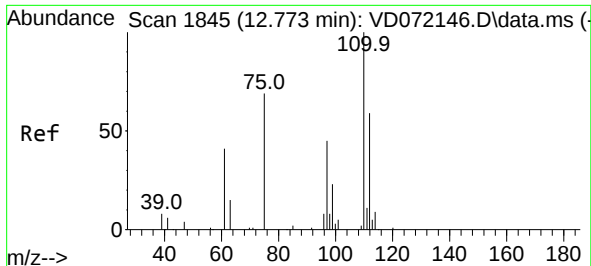
Tgt Ion:	117	Resp:	17789
Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.3	67.9
119	27.2	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

Tgt Ion:	152	Resp:	7578
Ion	Ratio	Lower	Upper
152	100		
115	57.0	31.3	93.8
150	154.7	0.0	348.6

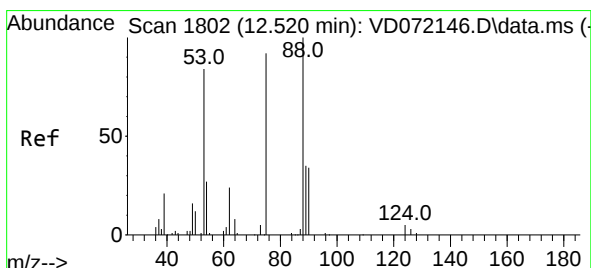
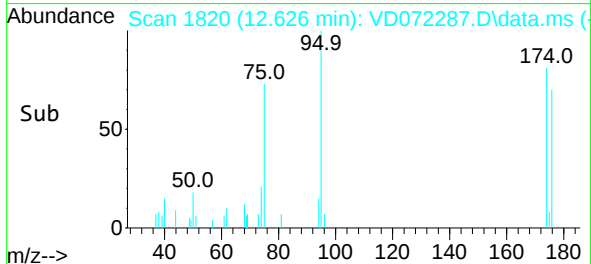
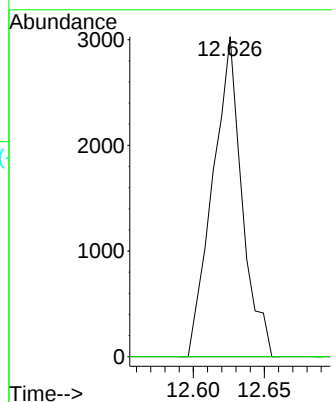
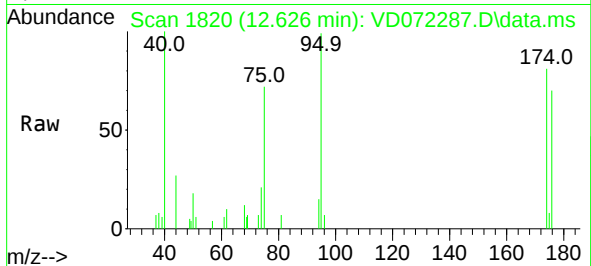




#76
1,2,3-Trichloropropane
Concen: 51.991 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

Instrument :
MSVOA_D
ClientSampleId :
CL-02-031522RE

Tgt Ion: 75 Resp: 4346
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 128.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072287.D
Acq: 18 Mar 2022 13:53

Tgt Ion: 75 Resp: 4346
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

