

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073905.D
 Acq On : 21 Jul 2022 19:40
 Operator : VA/SY
 Sample : N3814-10
 Misc : 5.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-1(0-5)

Quant Time: Jul 22 01:20:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

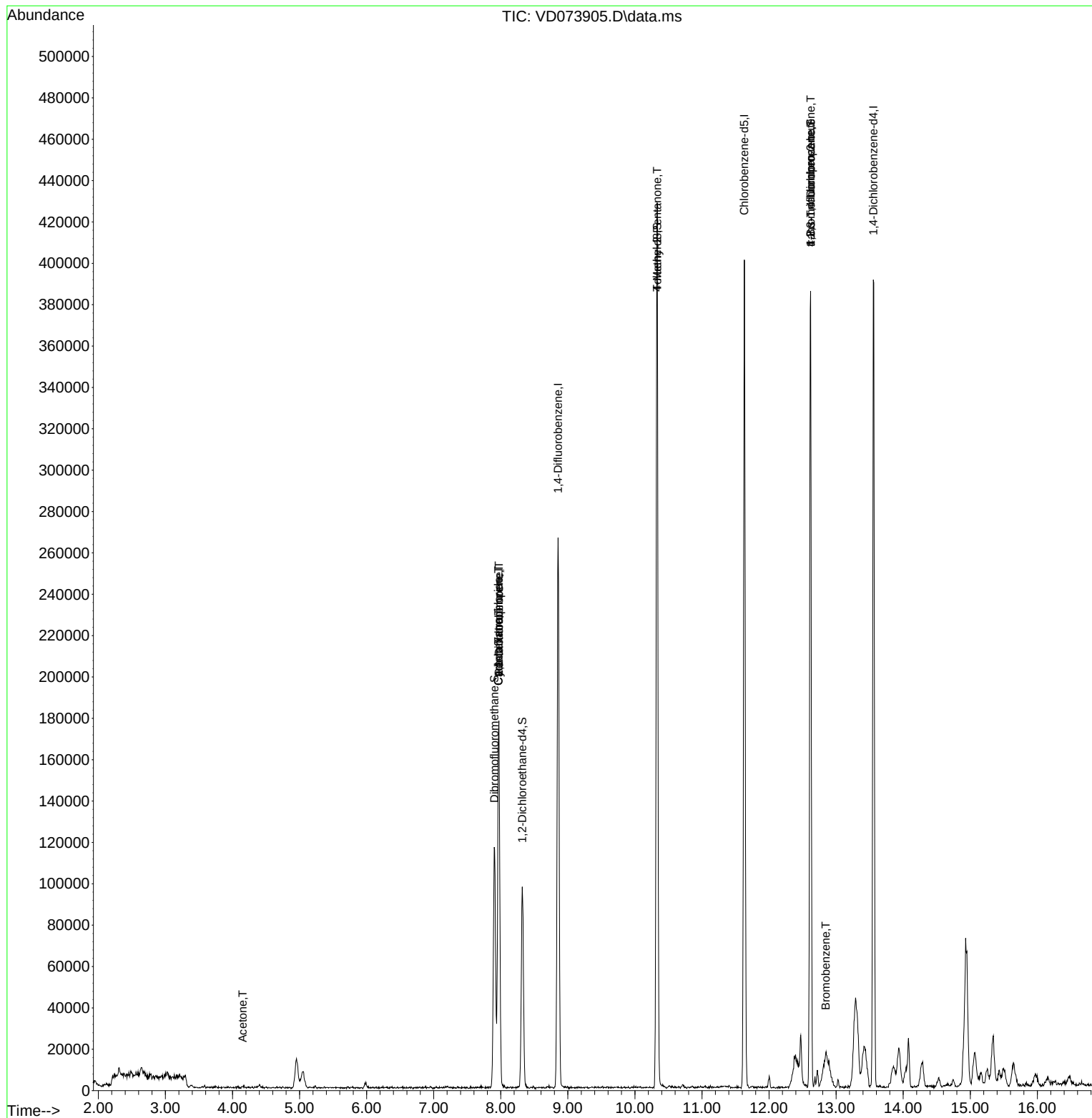
Internal Standards						
1) Pentafluorobenzene	7.973	168	125817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	230255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	218113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	99570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	79012	52.591	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.180%			
35) Dibromofluoromethane	7.903	113	79965	49.227	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.460%			
50) Toluene-d8	10.332	98	282047	47.829	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.620	95	99281	48.967	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.940%			
Target Compounds						
3) Chloromethane	2.209	50	935	Below Cal	#	62
11) Tert butyl alcohol	5.214	59	116	Below Cal	#	74
16) Acetone	4.150	43	341	1.383	ug/l #	47
18) Methyl Acetate	4.726	43	126	Below Cal	#	55
20) Methylene Chloride	4.962	84	10710	Below Cal	#	72
31) Cyclohexane	7.967	56	3452	1.446	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	11081	4.729	ug/l #	52
38) Carbon Tetrachloride	7.967	117	13681	5.112	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	2203	2.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	54922	51.409	ug/l #	100
77) Bromobenzene	12.843	156	18184	10.849	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	54922	138.722	ug/l #	7

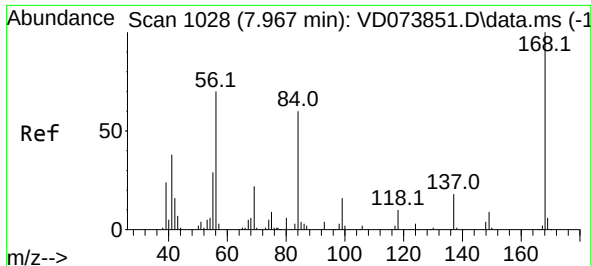
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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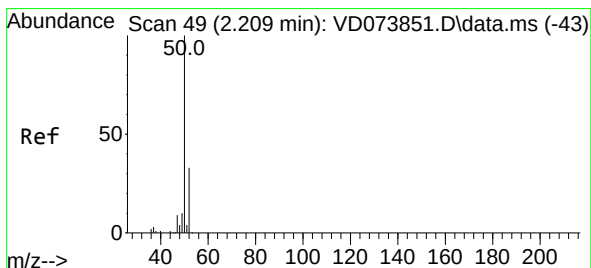
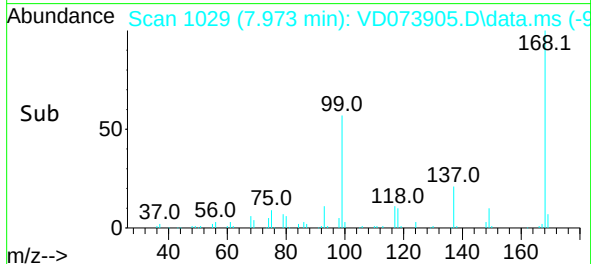
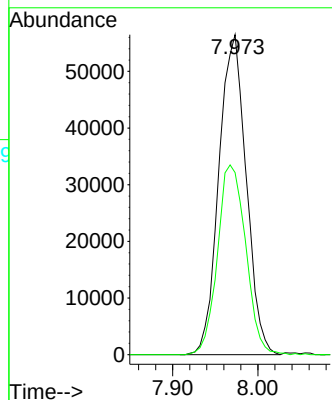
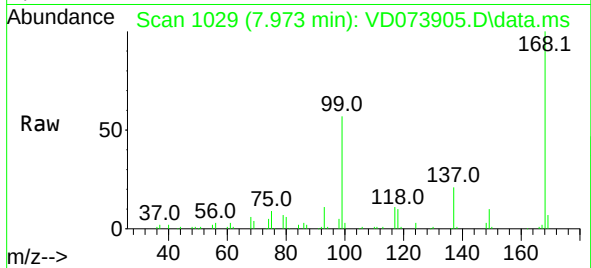




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

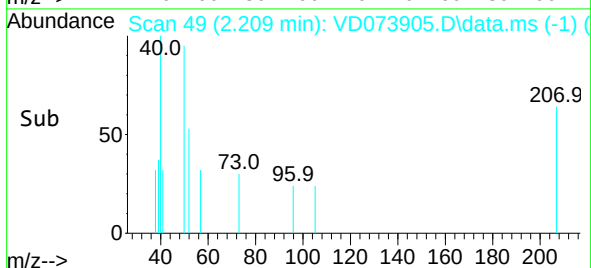
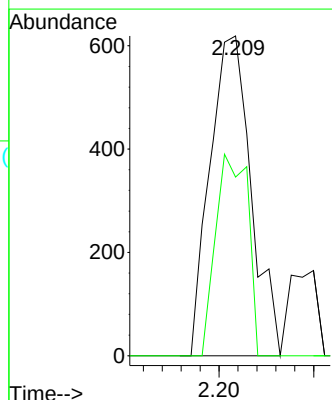
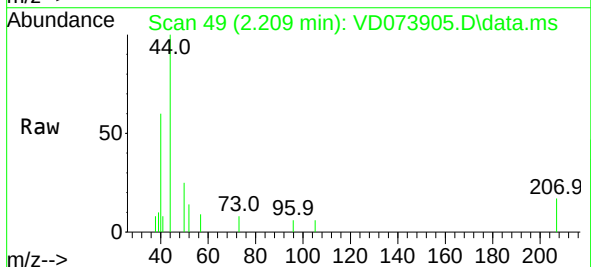
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

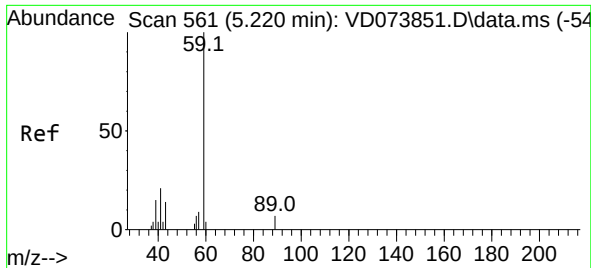
Tgt Ion:168 Resp: 125817
Ion Ratio Lower Upper
168 100
99 56.9 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion: 50 Resp: 935
Ion Ratio Lower Upper
50 100
52 55.9 27.4 41.0#

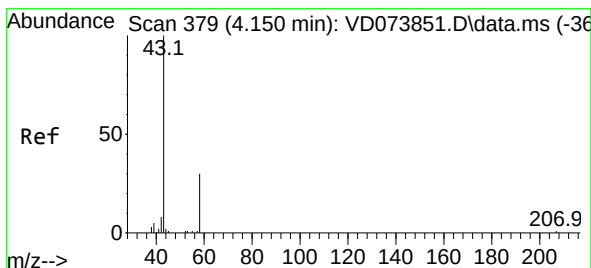
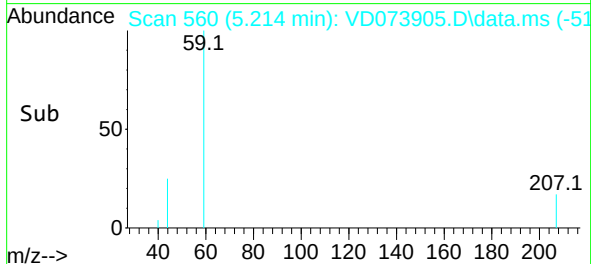
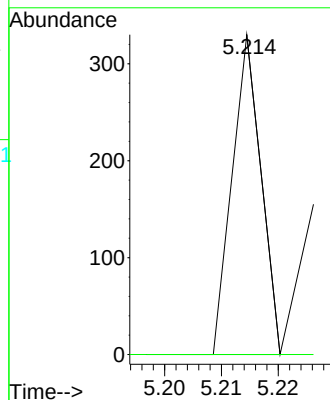
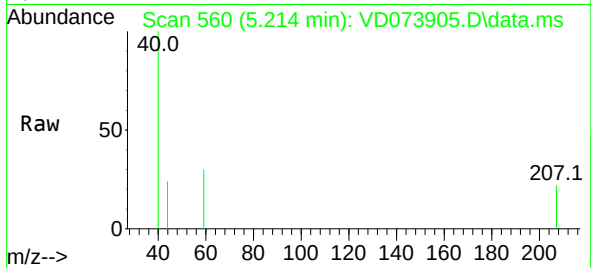




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 50
Delta R.T. -0.006 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

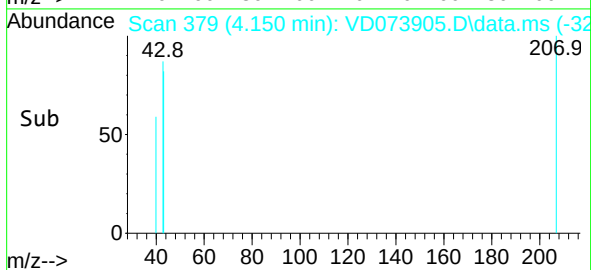
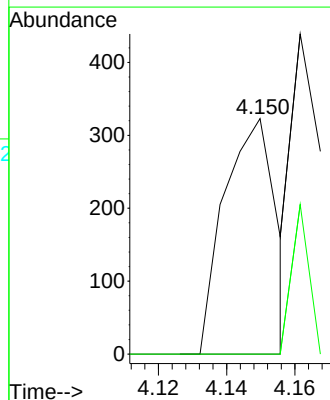
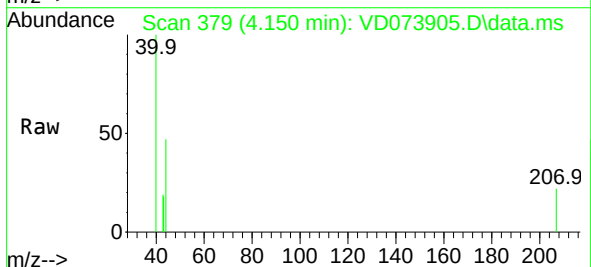
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

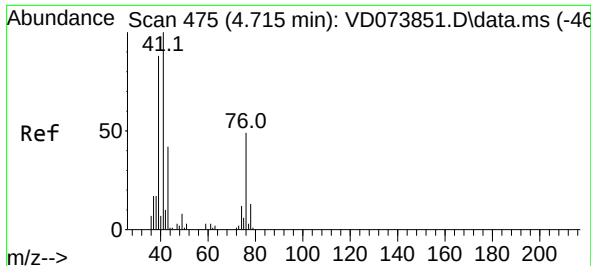
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.383 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

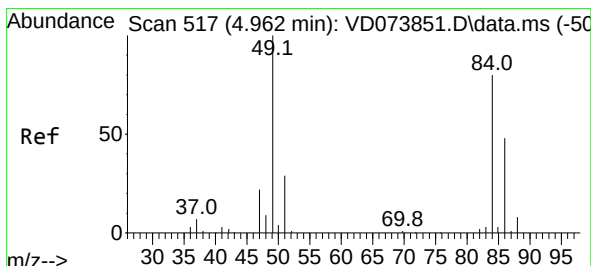
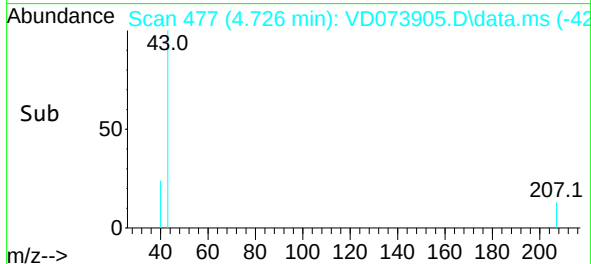
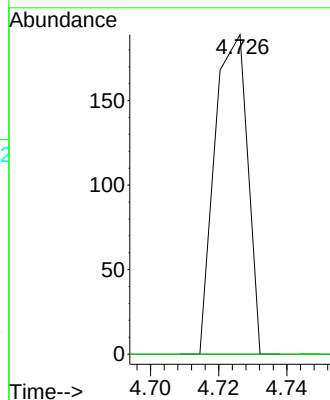
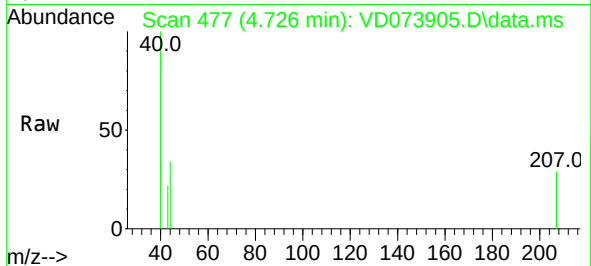




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

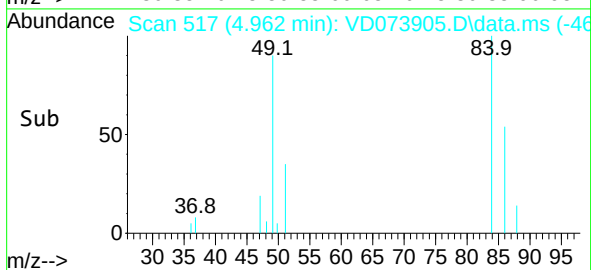
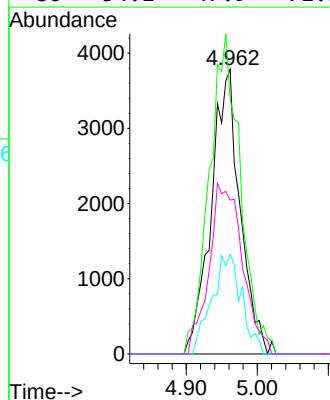
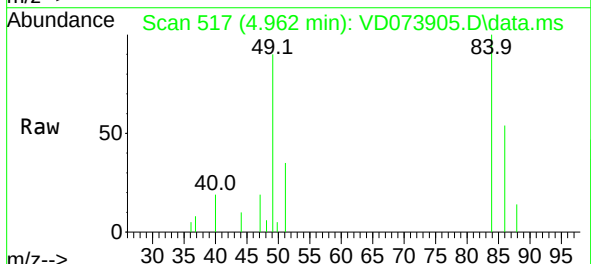
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

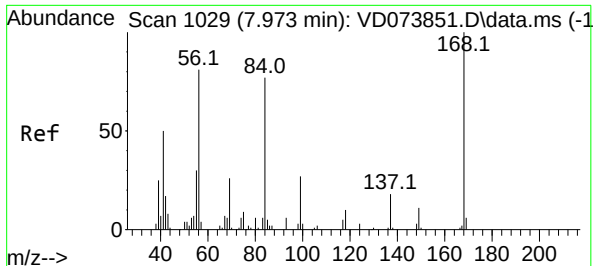
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion: 84 Resp: 10710
Ion Ratio Lower Upper
84 100
49 89.5 112.8 169.2#
51 35.0 32.6 48.8
86 54.1 47.9 71.9

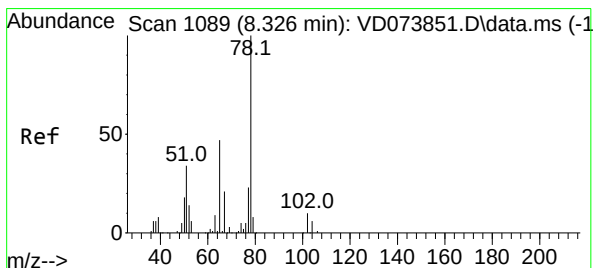
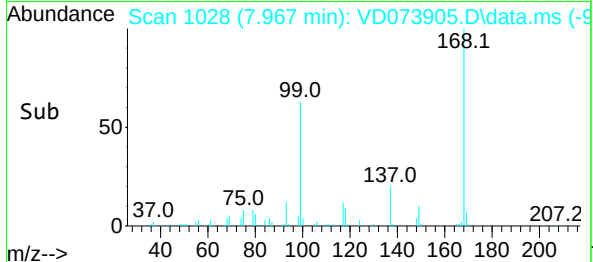
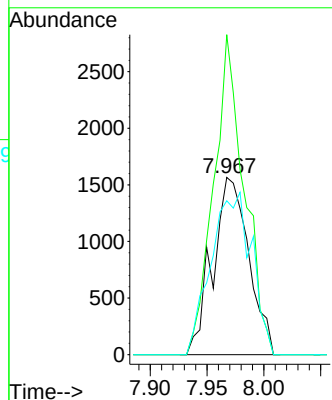
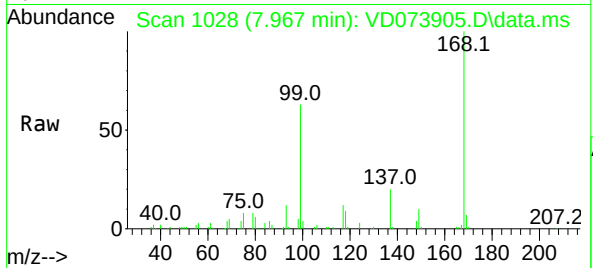




#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

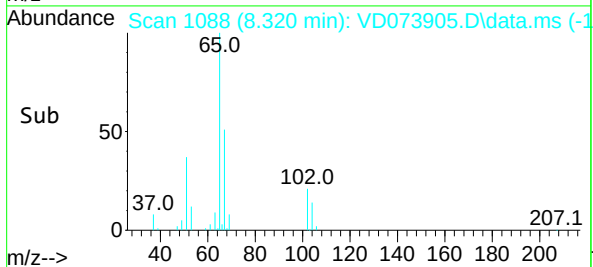
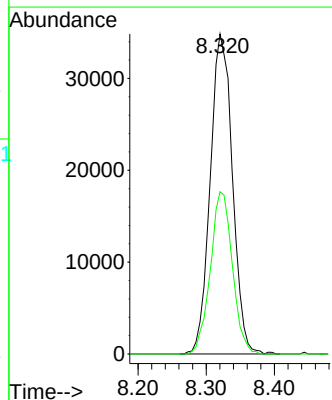
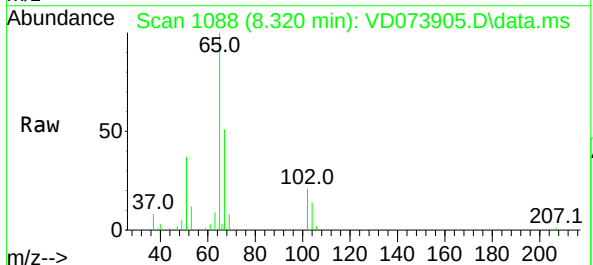
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

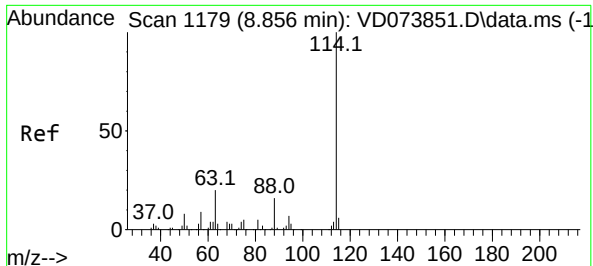
Tgt Ion: 56 Resp: 3452
Ion Ratio Lower Upper
56 100
69 180.5 25.4 38.2#
84 86.8 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 52.591 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion: 65 Resp: 79012
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.4

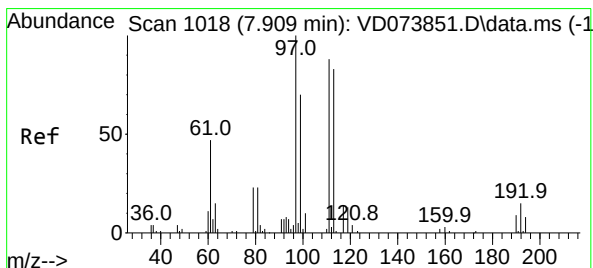
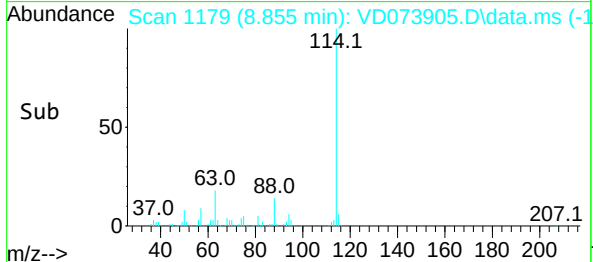
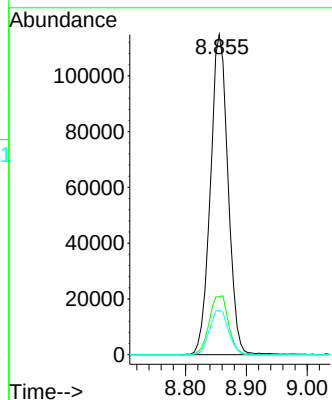
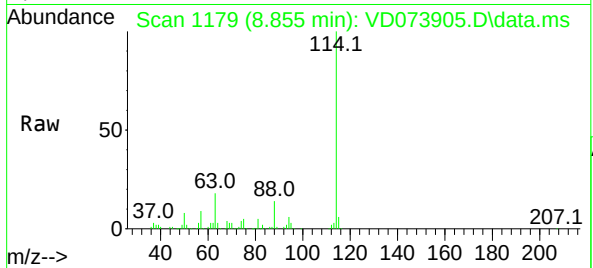




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

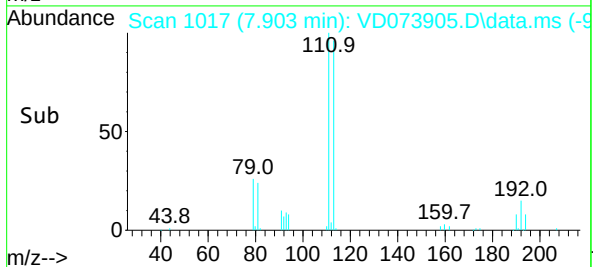
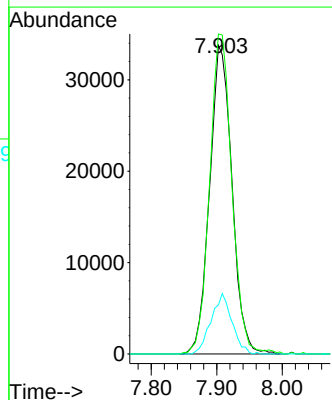
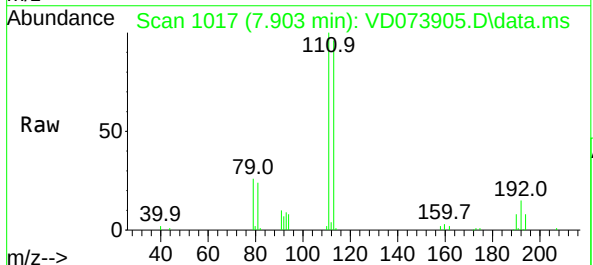
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

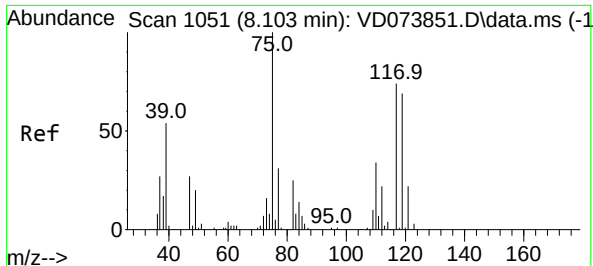
Tgt Ion:114 Resp: 230255
Ion Ratio Lower Upper
114 100
63 18.2 0.0 46.6
88 13.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.227 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion:113 Resp: 79965
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 18.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.729 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073905.D

Acq: 21 Jul 2022 19:40

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-1(0-5)

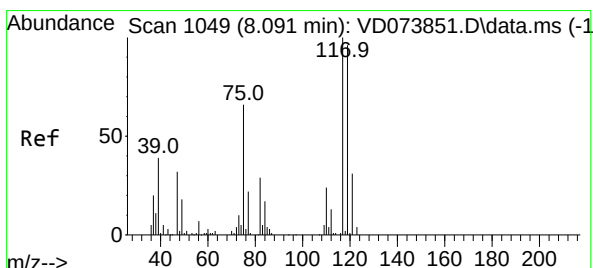
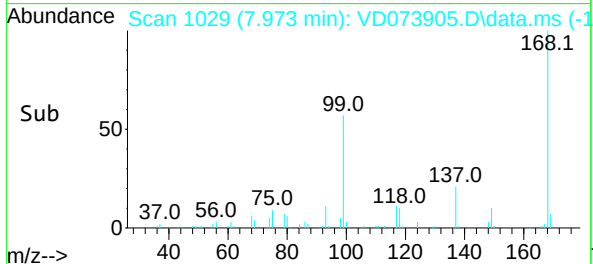
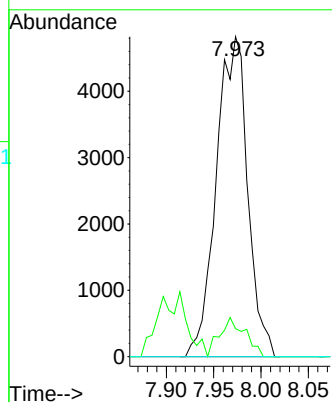
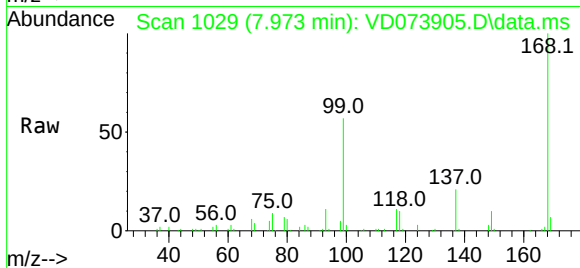
Tgt Ion: 75 Resp: 11081

Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.112 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073905.D

Acq: 21 Jul 2022 19:40

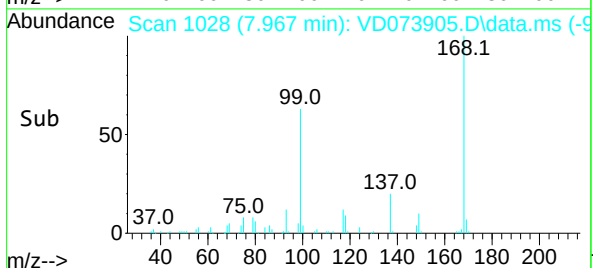
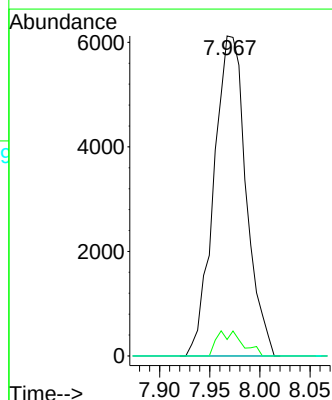
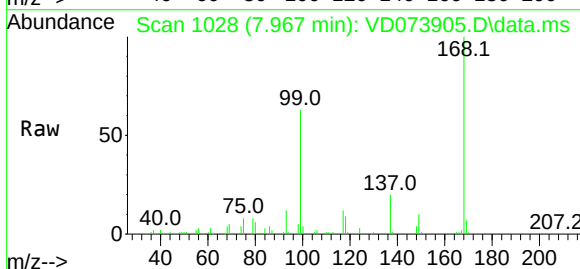
Tgt Ion: 117 Resp: 13681

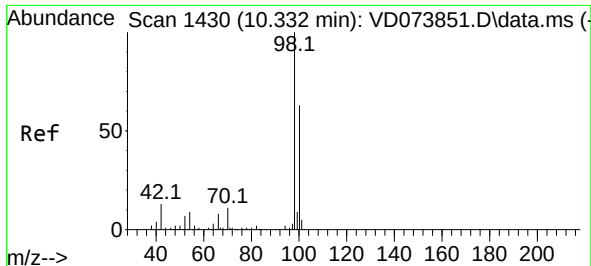
Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

121 0.0 24.5 36.7#

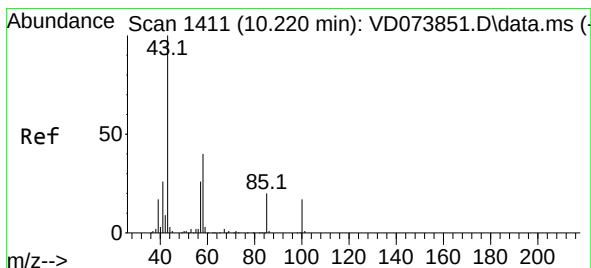
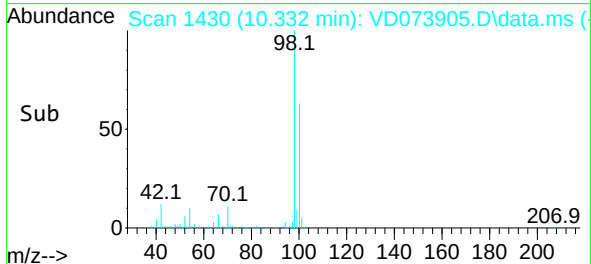
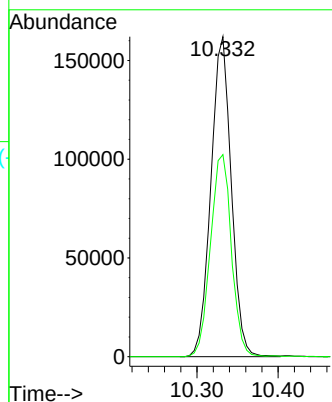
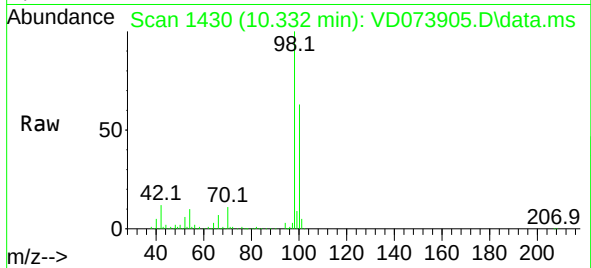




#50
Toluene-d8
Concen: 47.829 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

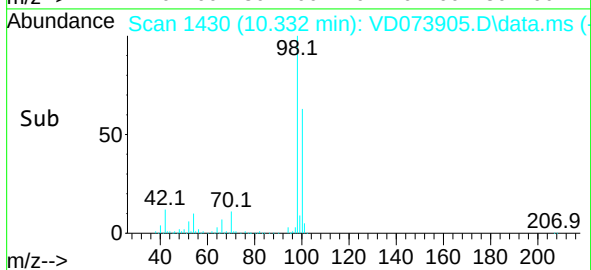
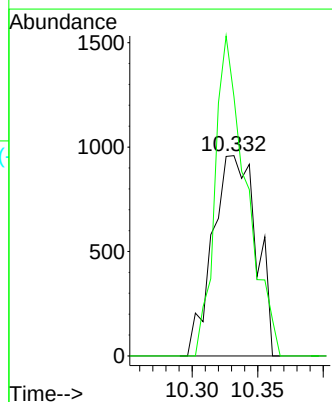
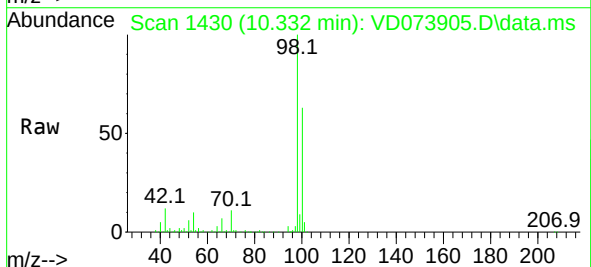
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

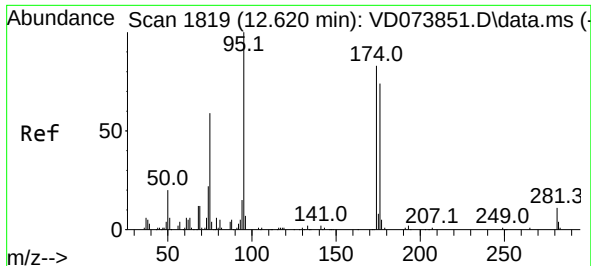
Tgt Ion: 98 Resp: 282047
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.617 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 114.9 28.6 43.0#

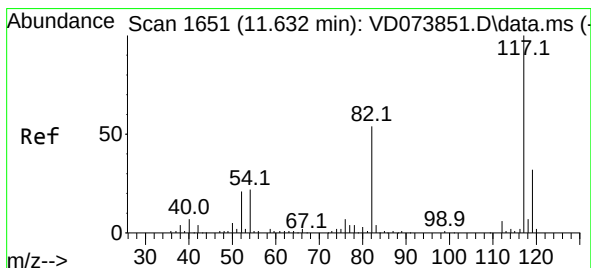
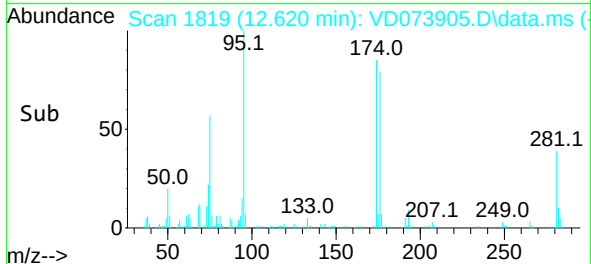
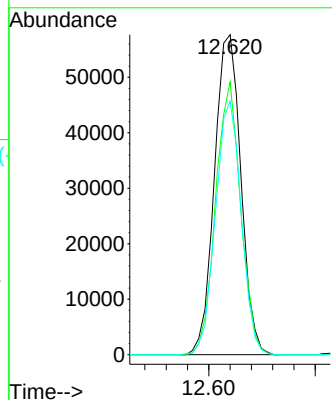
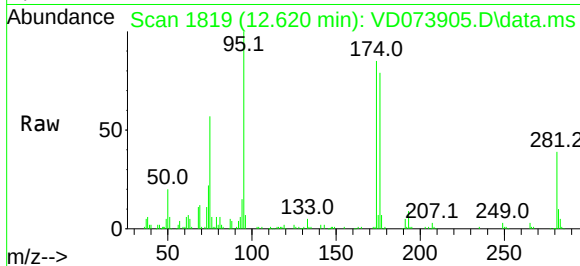




#62
4-Bromofluorobenzene
Concen: 48.967 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

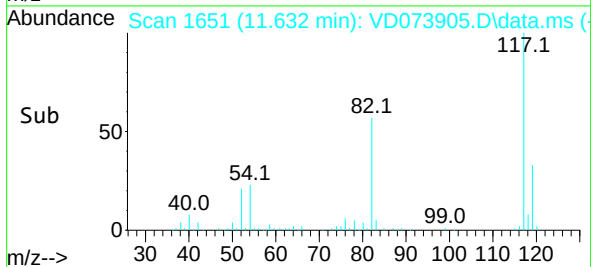
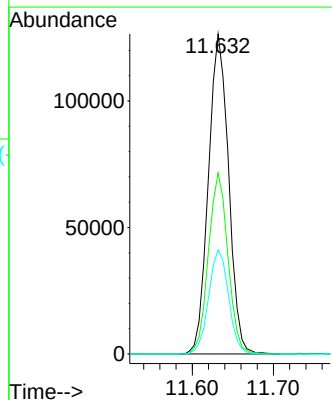
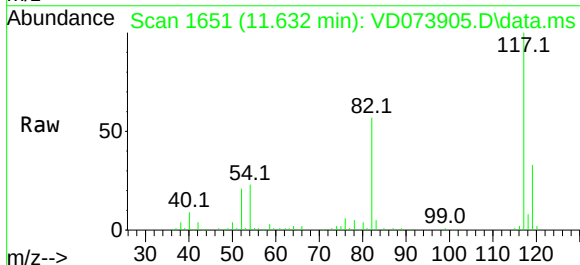
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-1(0-5)

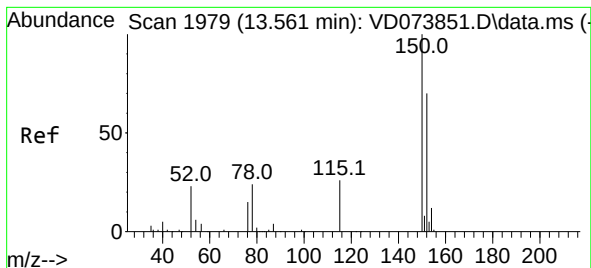
Tgt Ion: 95 Resp: 99281
Ion Ratio Lower Upper
95 100
174 80.7 0.0 152.8
176 77.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073905.D
Acq: 21 Jul 2022 19:40

Tgt Ion: 117 Resp: 218113
Ion Ratio Lower Upper
117 100
82 56.5 45.3 67.9
119 32.5 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD073905.D

Acq: 21 Jul 2022 19:40

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-1(0-5)

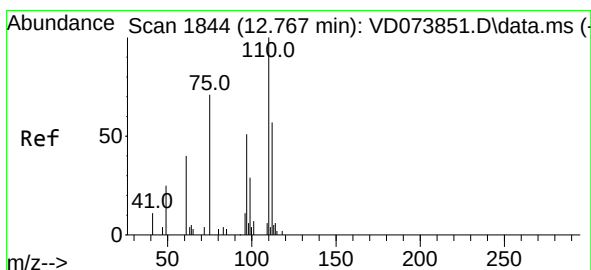
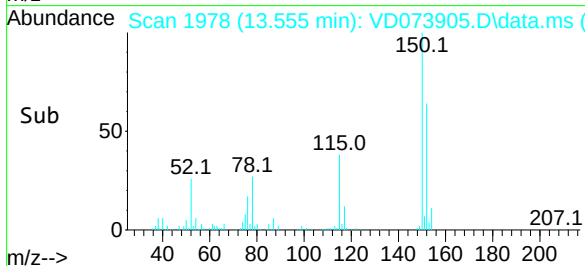
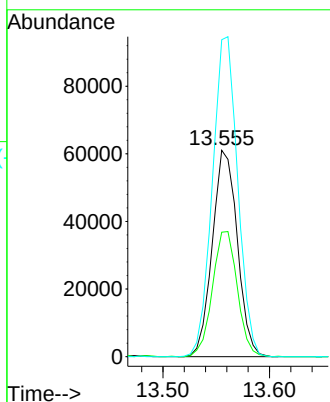
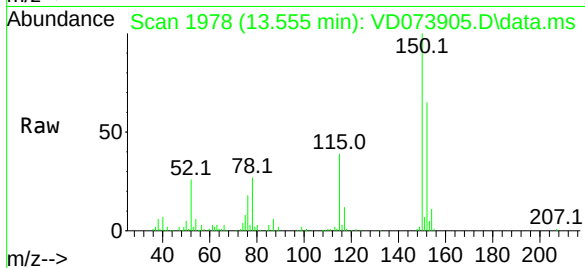
Tgt Ion:152 Resp: 99570

Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 156.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 51.409 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073905.D

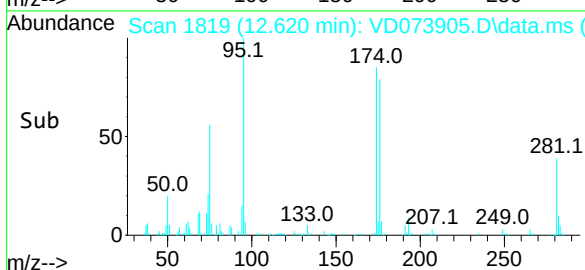
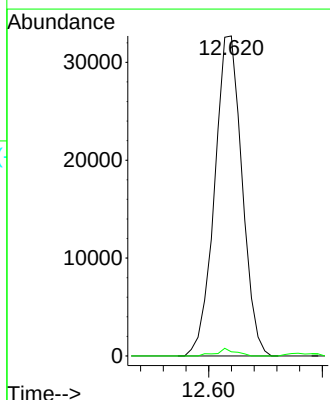
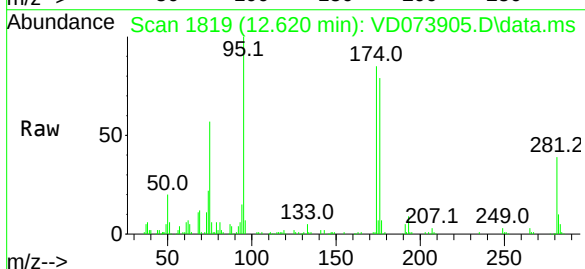
Acq: 21 Jul 2022 19:40

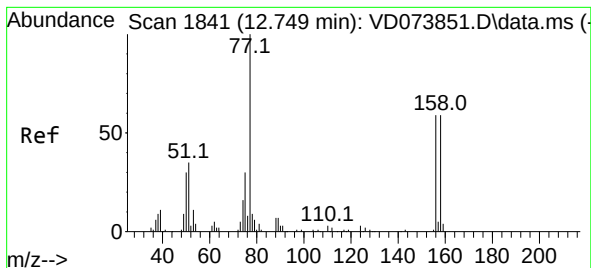
Tgt Ion: 75 Resp: 54922

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#77

Bromobenzene

Concen: 10.849 ug/l

RT: 12.843 min Scan# 1857

Delta R.T. 0.094 min

Lab File: VD073905.D

Acq: 21 Jul 2022 19:40

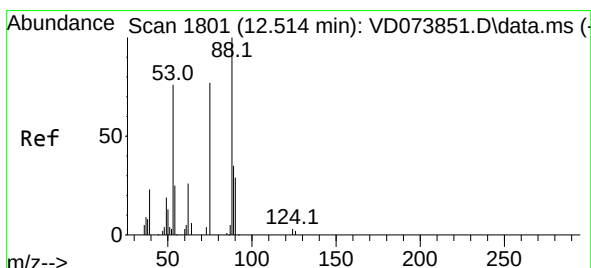
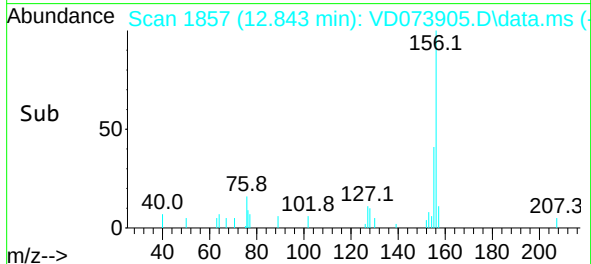
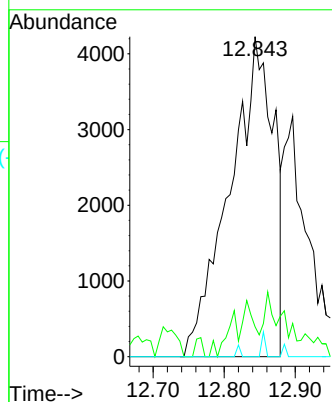
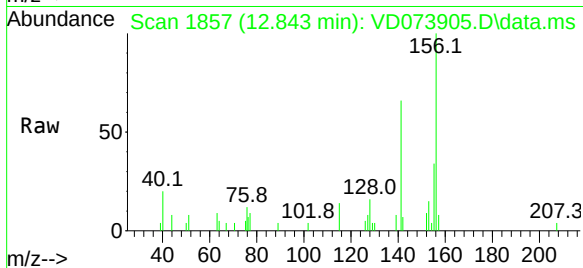
Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-1(0-5)

Tgt Ion:	156	Resp:	18184
Ion Ratio	Lower	Upper	
156	100		
77	2.1	102.8	308.3#
158	0.6	48.7	146.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.722 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.106 min

Lab File: VD073905.D

Acq: 21 Jul 2022 19:40

Tgt Ion:	75	Resp:	54922
Ion Ratio	Lower	Upper	
75	100		
53	0.0	86.5	129.7#
89	0.4	33.9	50.9#

