

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073904.D
 Acq On : 21 Jul 2022 19:08
 Operator : VA/SY
 Sample : N3814-09
 Misc : 6.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-2(10-15)

Quant Time: Jul 22 01:20:30 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)

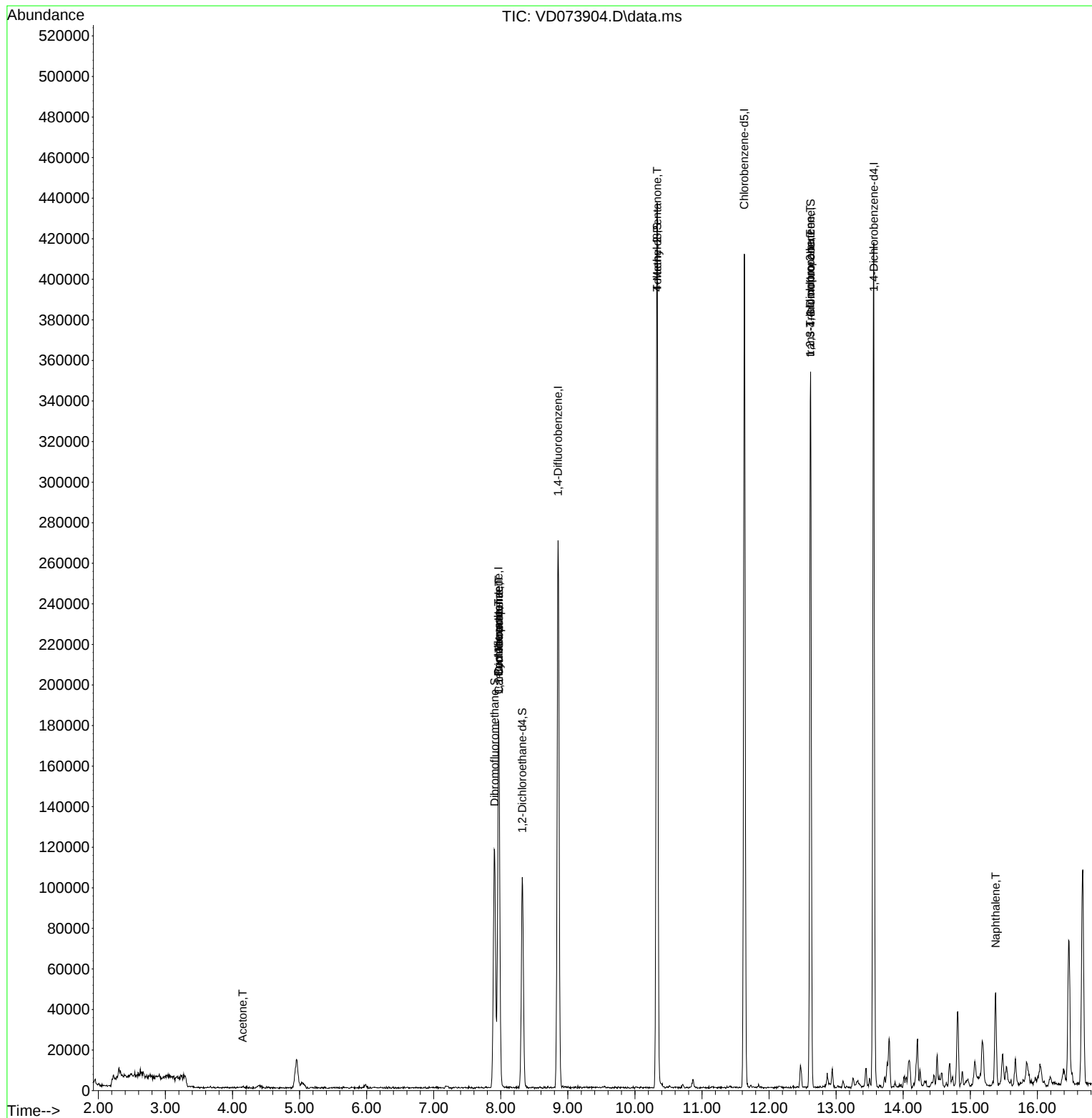
Internal Standards						
1) Pentafluorobenzene	7.967	168	126067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	231345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	223258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	102326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	81570	54.185	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.380%	
35) Dibromofluoromethane	7.908	113	81589	49.990	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.980%	
50) Toluene-d8	10.332	98	289427	48.850	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.700%	
62) 4-Bromofluorobenzene	12.620	95	102064	50.103	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.200%	
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	1136	Below Cal		98
11) Tert butyl alcohol	5.232	59	425	Below Cal	#	74
16) Acetone	4.150	43	849	3.437	ug/l #	47
18) Methyl Acetate	4.967	43	130	Below Cal	#	55
20) Methylene Chloride	4.950	84	10358	Below Cal	#	72
31) Cyclohexane	7.967	56	3422	1.431	ug/l #	43
36) 1,1-Dichloropropene	7.973	75	10795	4.585	ug/l #	52
38) Carbon Tetrachloride	7.973	117	14047	5.224	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	1559	1.843	ug/l #	1
76) 1,2,3-Trichloropropane	12.614	75	55294	50.363	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	55294	135.900	ug/l #	7
95) Naphthalene	15.378	128	38120	11.147	ug/l	98

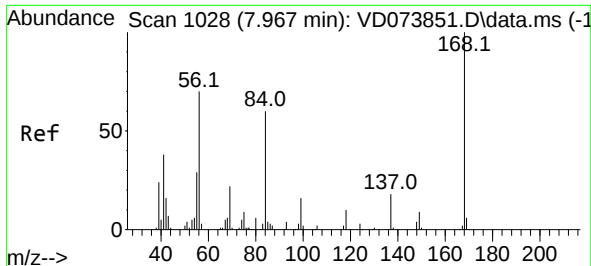
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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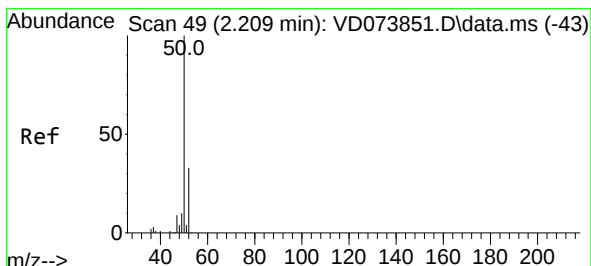
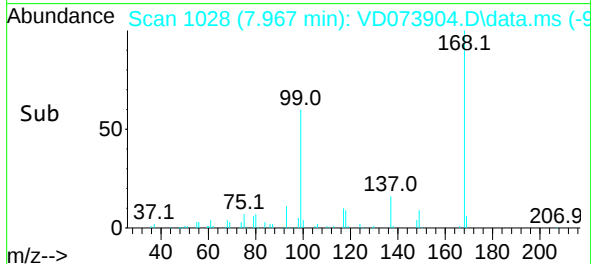
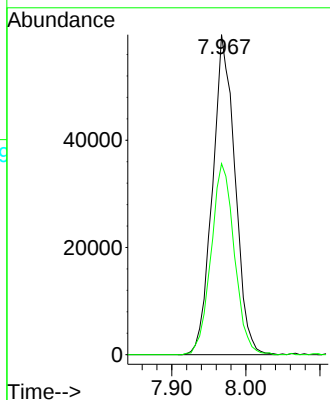
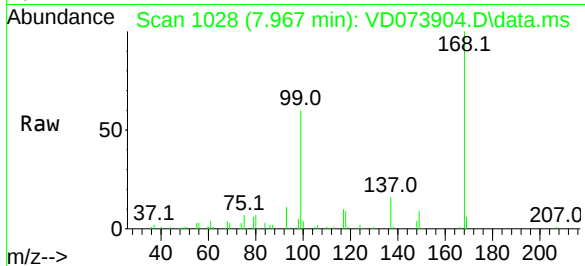




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

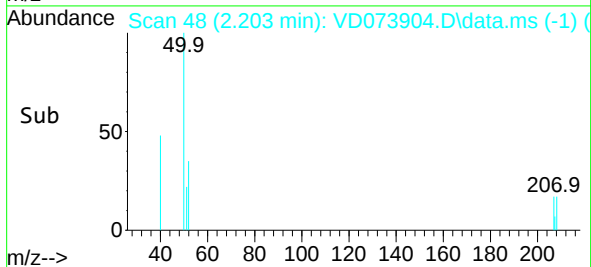
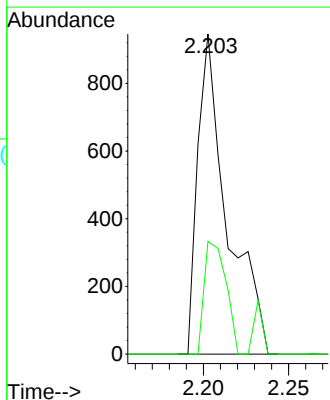
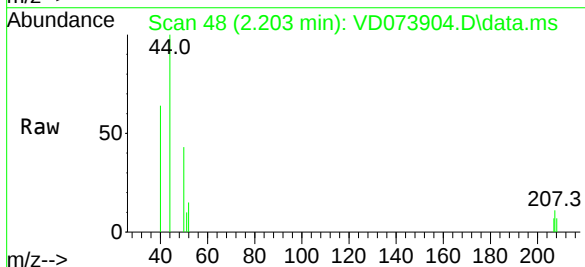
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

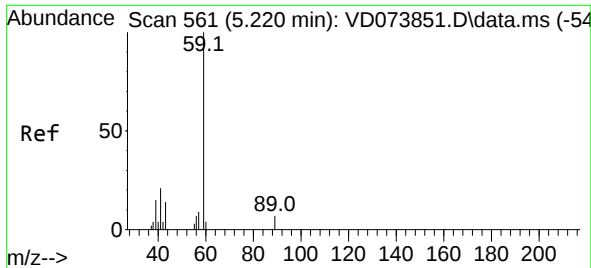
Tgt Ion:168 Resp: 126067
Ion Ratio Lower Upper
168 100
99 59.7 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion: 50 Resp: 1136
Ion Ratio Lower Upper
50 100
52 35.2 27.4 41.0

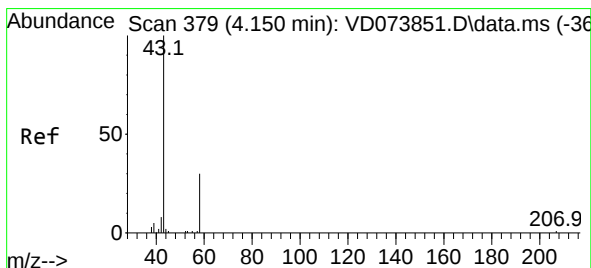
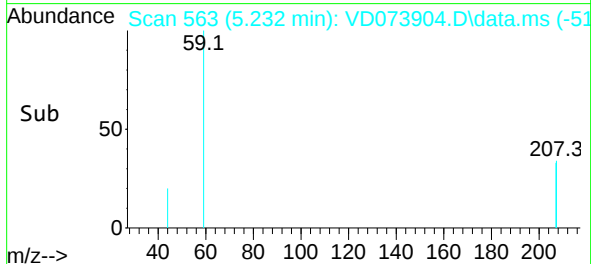
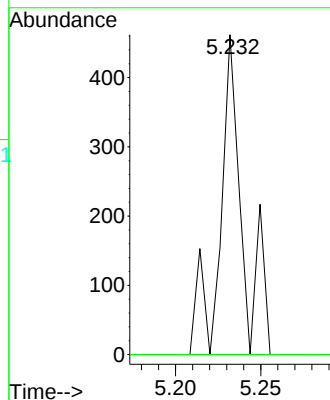
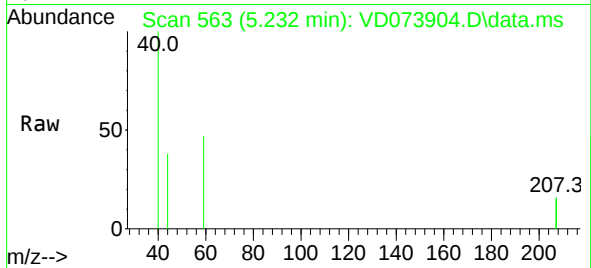




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 50
Delta R.T. 0.012 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

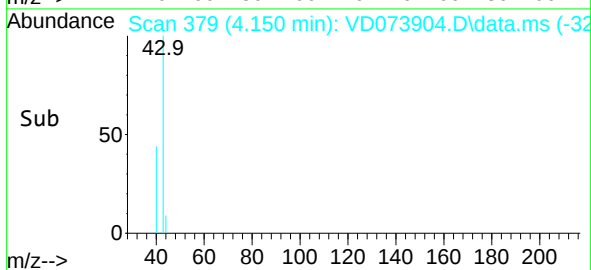
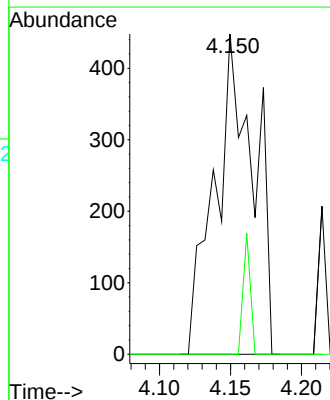
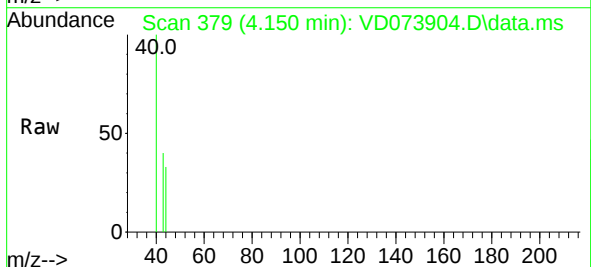
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

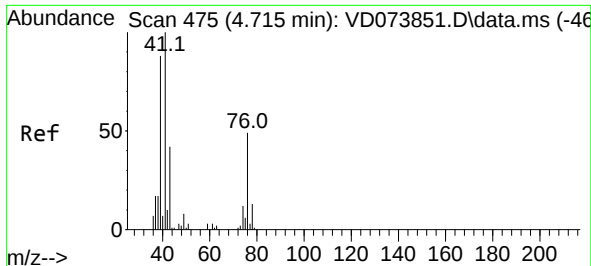
Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.437 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

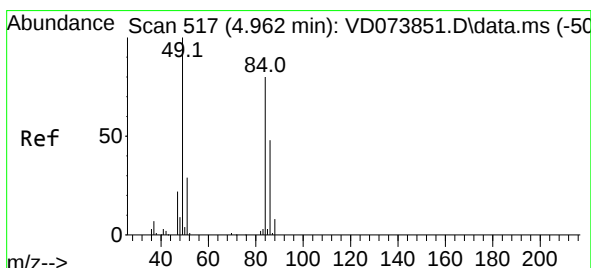
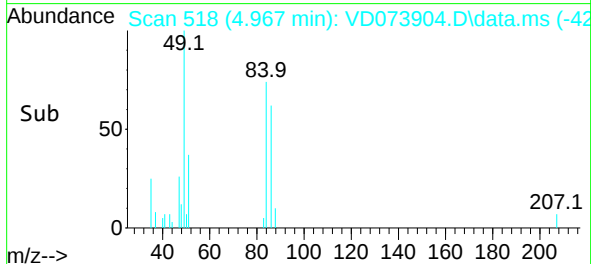
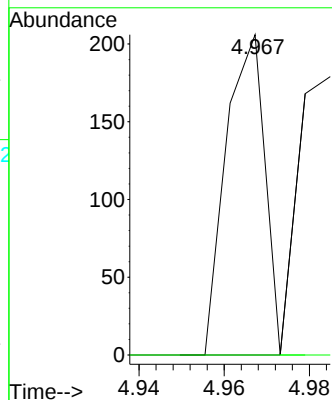
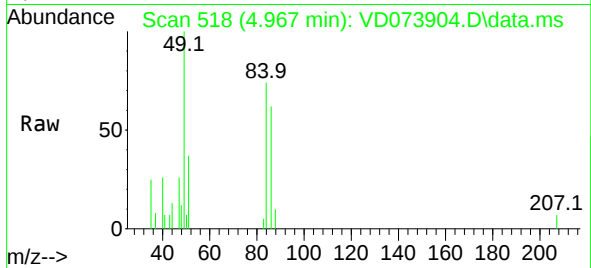




#18
Methyl Acetate
Concen: Below Cal
RT: 4.967 min Scan# 515
Delta R.T. 0.252 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

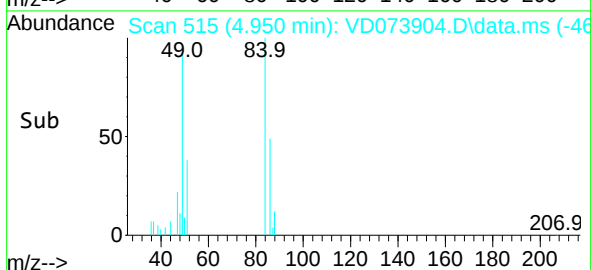
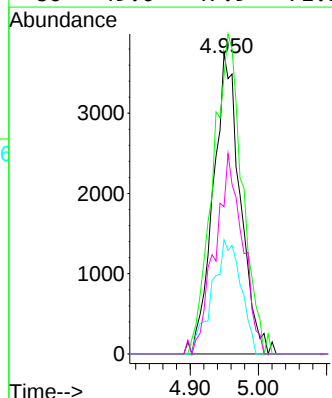
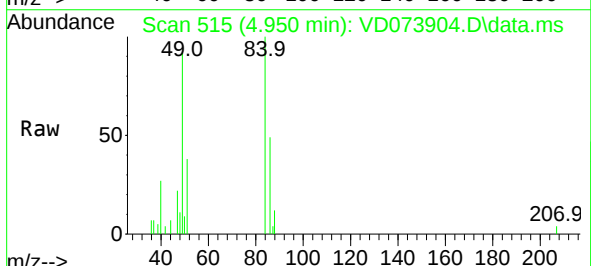
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

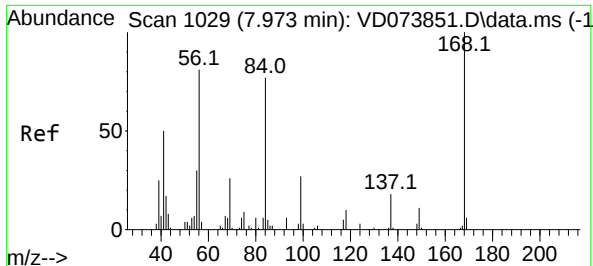
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion: 84 Resp: 10358
Ion Ratio Lower Upper
84 100
49 92.4 112.8 169.2#
51 38.0 32.6 48.8
86 49.0 47.9 71.9

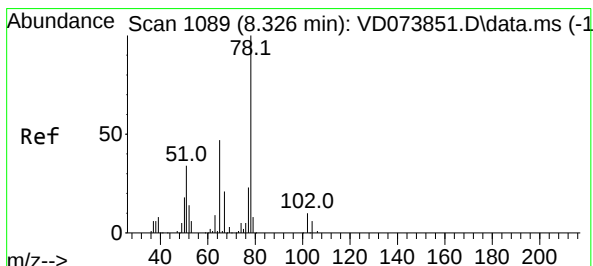
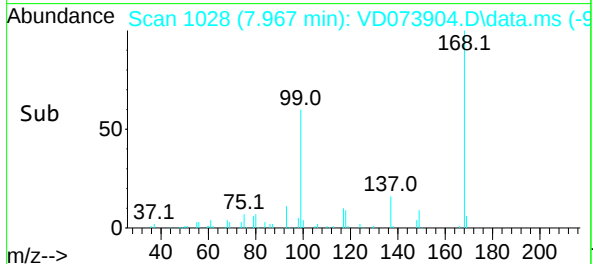
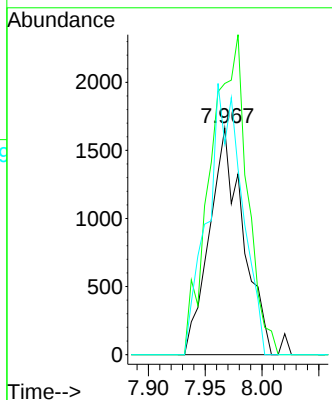
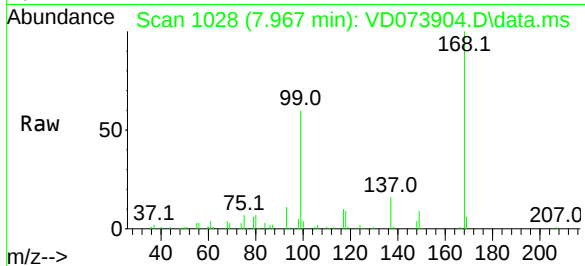




#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

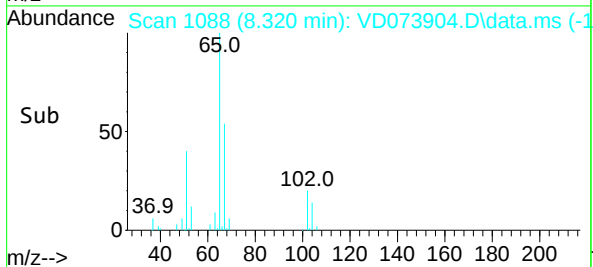
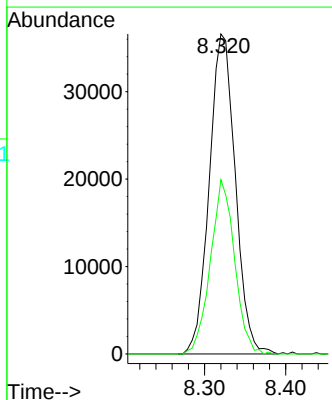
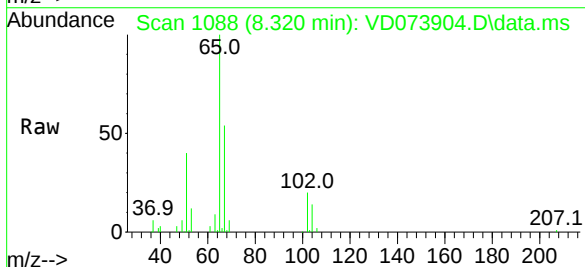
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

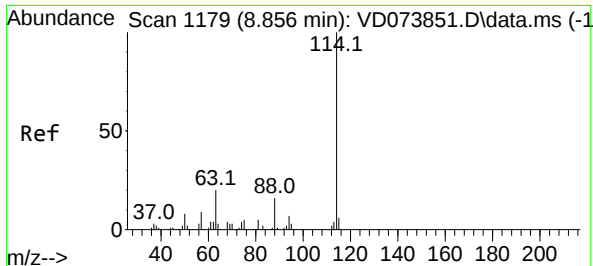
Tgt Ion: 56 Resp: 3422
Ion Ratio Lower Upper
56 100
69 119.7 25.4 38.2#
84 93.0 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 54.185 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion: 65 Resp: 81570
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.4

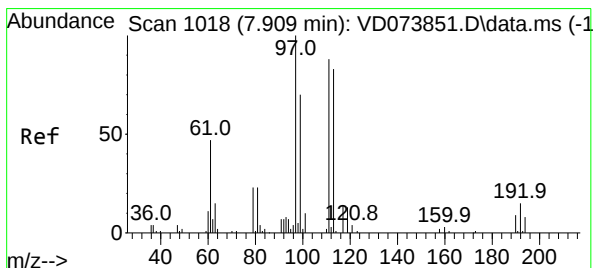
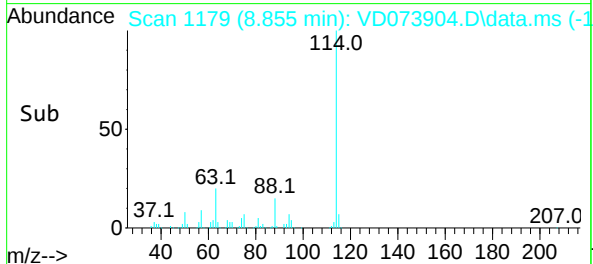
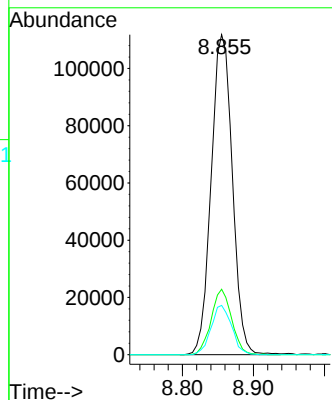
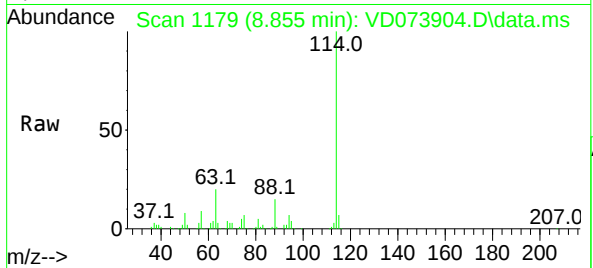




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

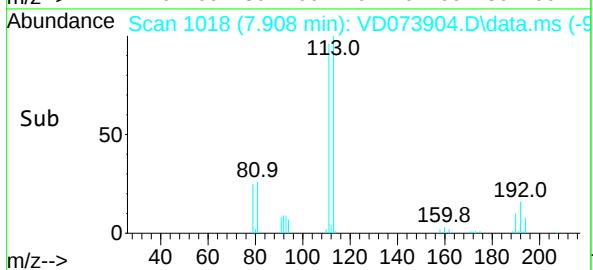
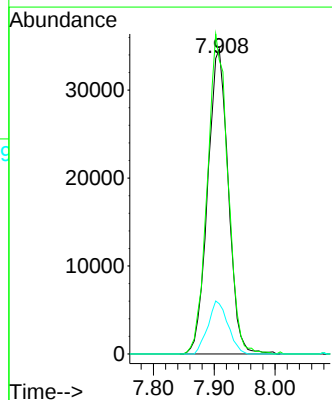
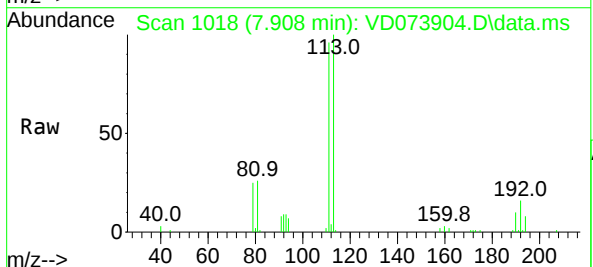
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

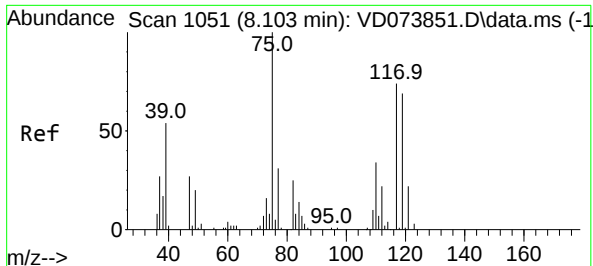
Tgt Ion:114 Resp: 231345
Ion Ratio Lower Upper
114 100
63 20.4 0.0 46.6
88 15.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.990 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion:113 Resp: 81589
Ion Ratio Lower Upper
113 100
111 104.8 83.8 125.6
192 16.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.585 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073904.D

Acq: 21 Jul 2022 19:08

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-2(10-15)

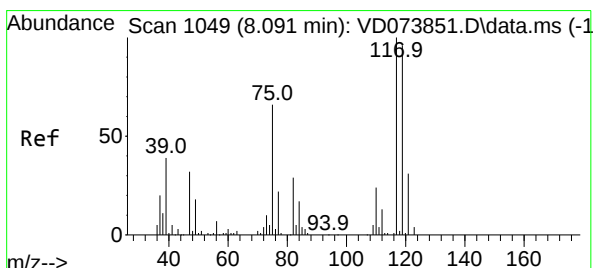
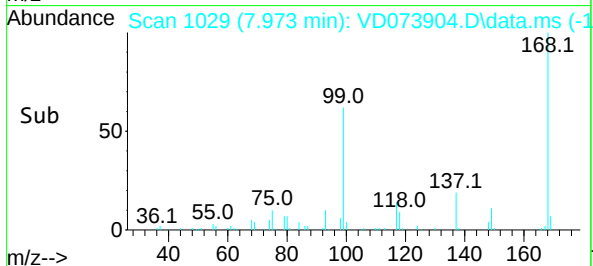
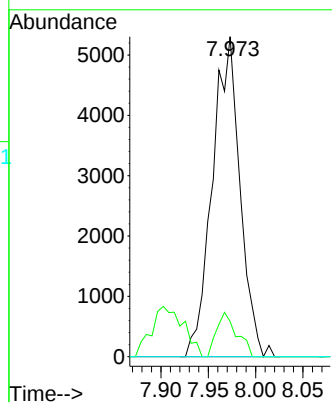
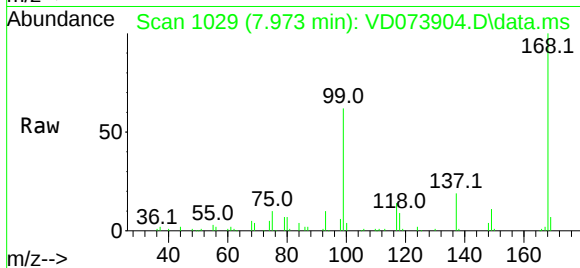
Tgt Ion: 75 Resp: 10795

Ion Ratio Lower Upper

75 100

110 10.2 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.224 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073904.D

Acq: 21 Jul 2022 19:08

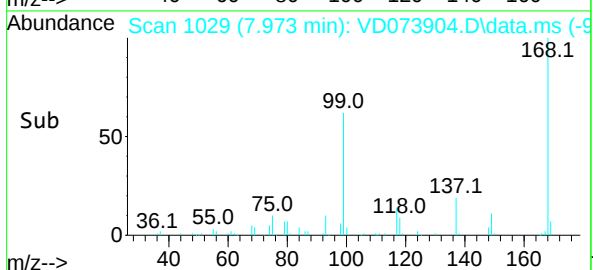
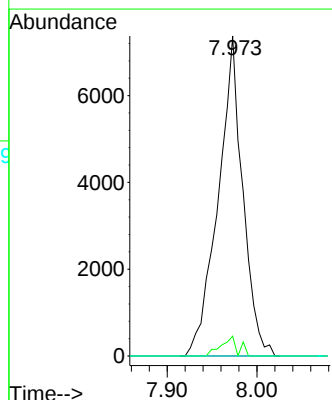
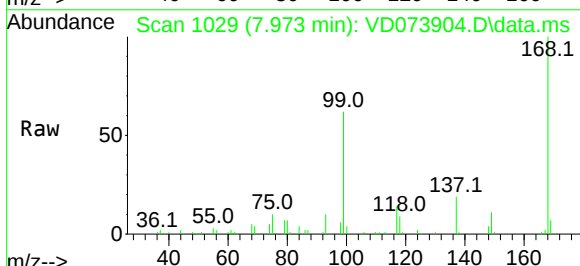
Tgt Ion: 117 Resp: 14047

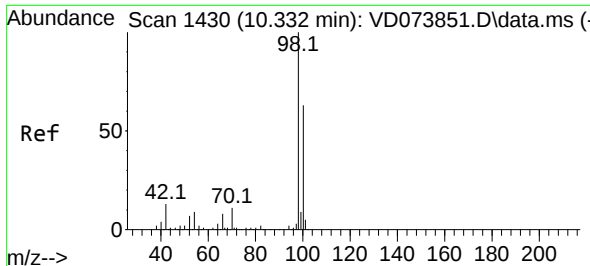
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

121 0.0 24.5 36.7#

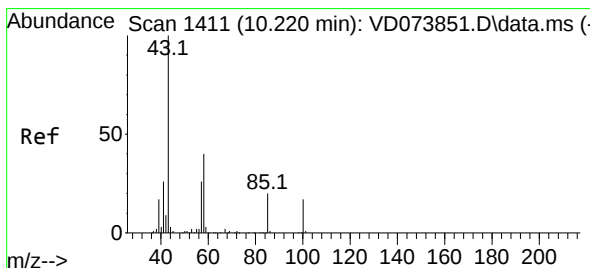
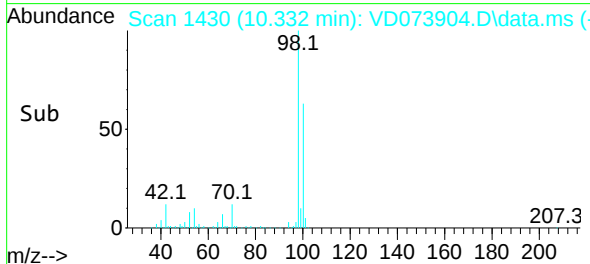
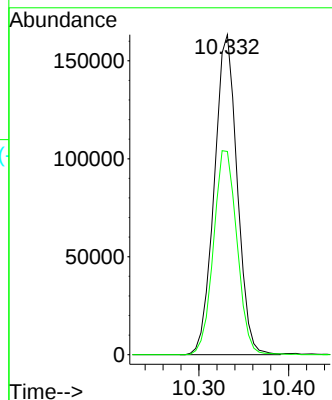
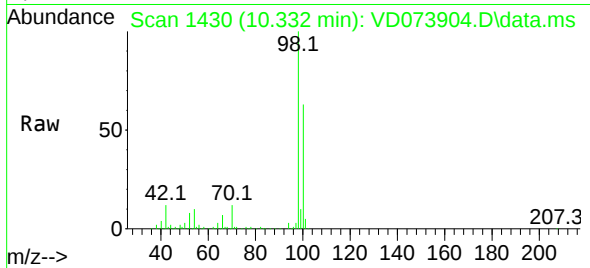




#50
Toluene-d8
Concen: 48.850 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

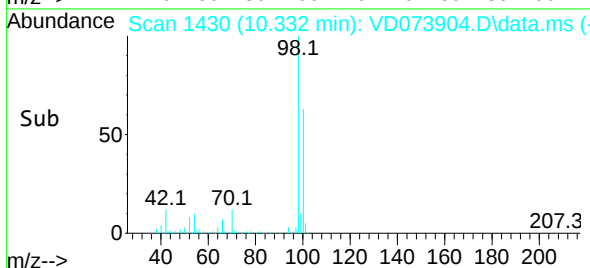
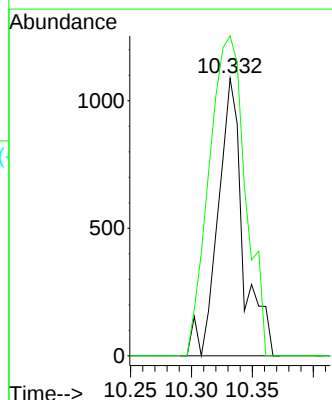
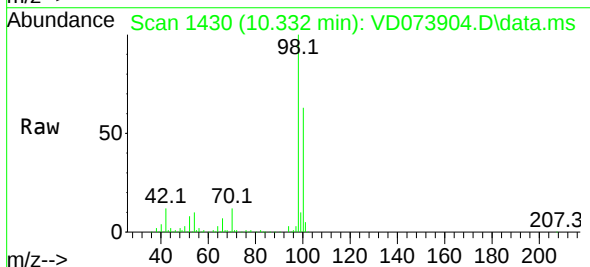
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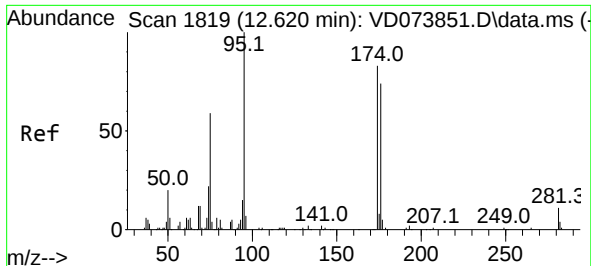
Tgt Ion: 98 Resp: 289427
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.843 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.111 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 167.1 28.6 43.0#

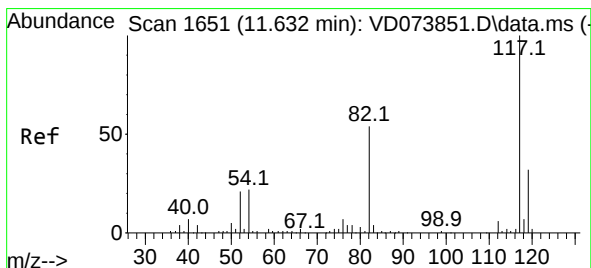
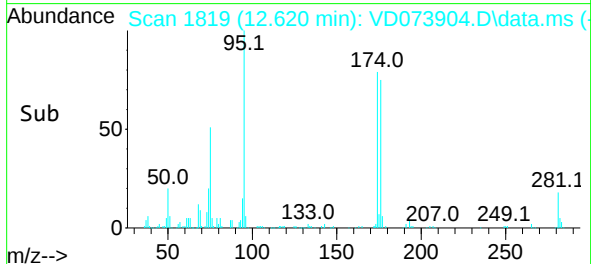
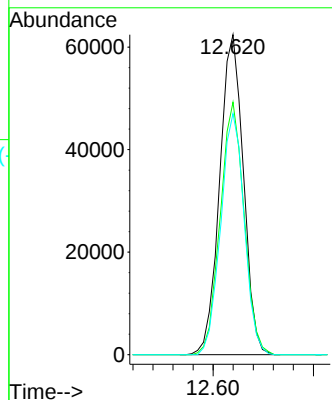
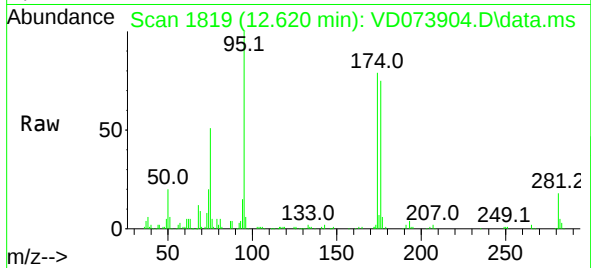




#62
4-Bromofluorobenzene
Concen: 50.103 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

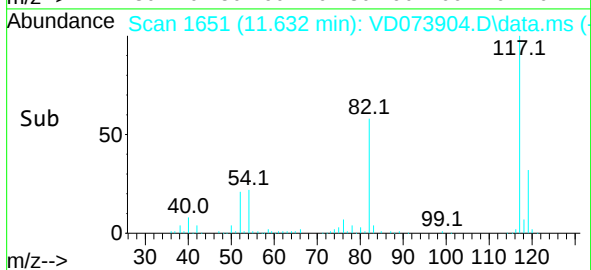
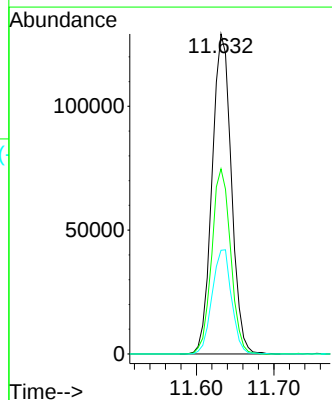
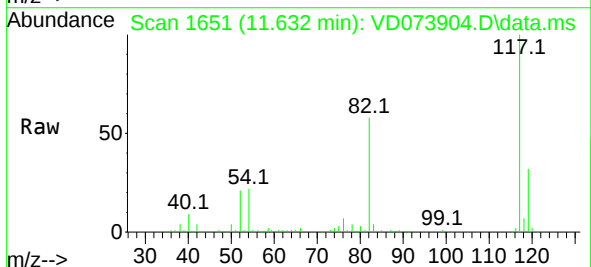
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

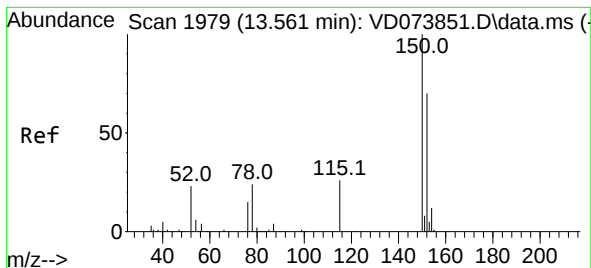
Tgt Ion: 95 Resp: 102064
Ion Ratio Lower Upper
95 100
174 79.4 0.0 152.8
176 74.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion: 117 Resp: 223258
Ion Ratio Lower Upper
117 100
82 57.9 45.3 67.9
119 32.4 26.6 40.0

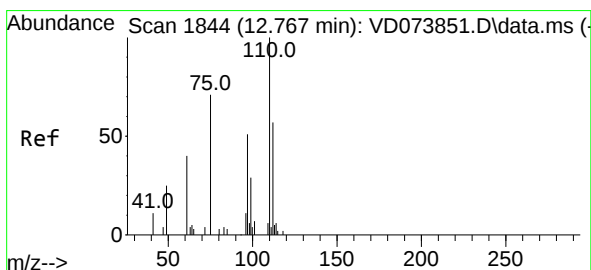
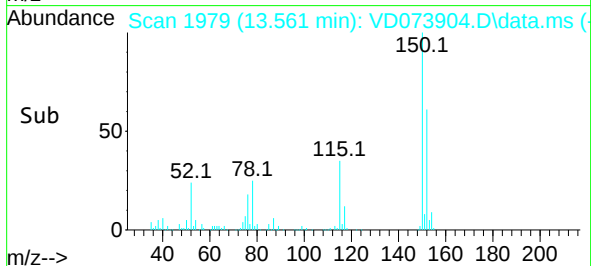
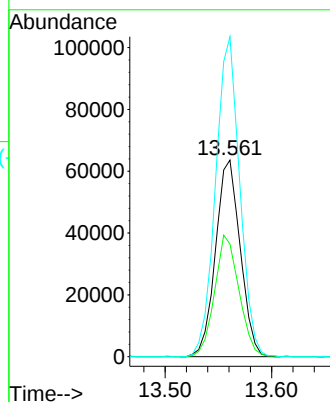
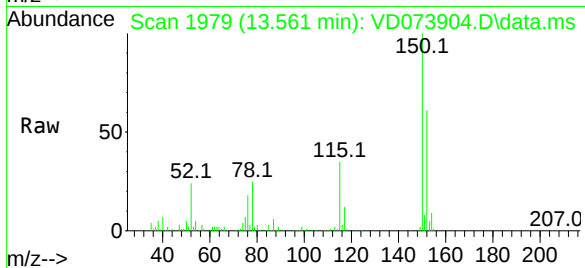




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073904.D
 Acq: 21 Jul 2022 19:08

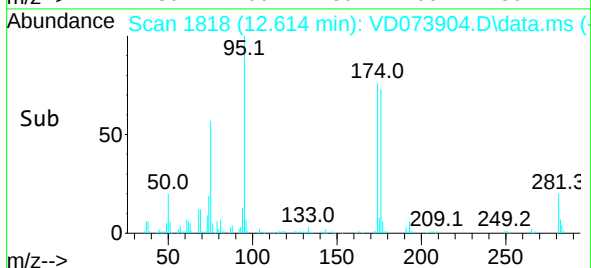
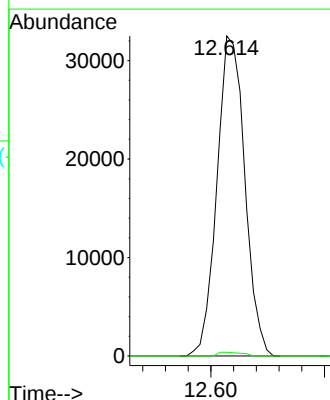
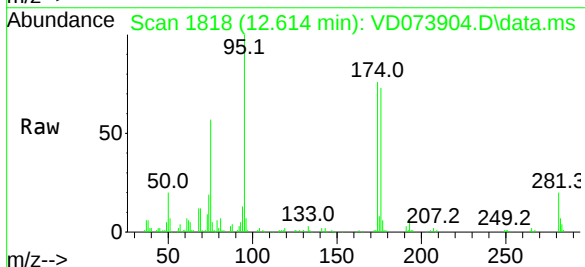
Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-2(10-15)

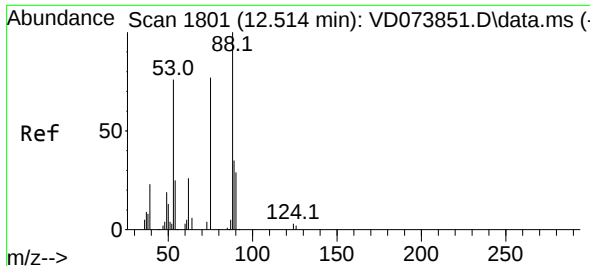
Tgt Ion:152 Resp: 102326
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.3 93.8
 150 159.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 50.363 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD073904.D
 Acq: 21 Jul 2022 19:08

Tgt Ion: 75 Resp: 55294
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

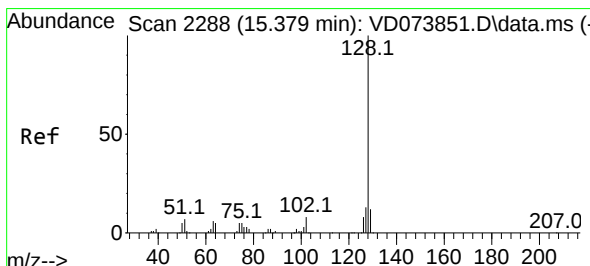
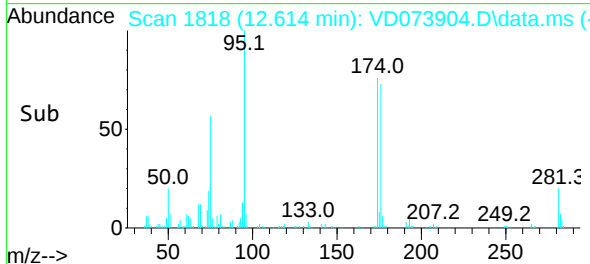
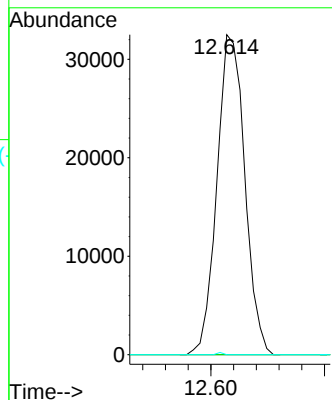
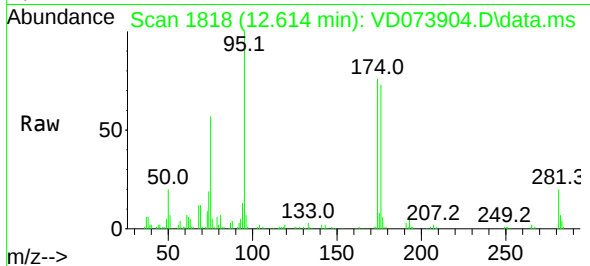




#81
trans-1,4-Dichloro-2-butene
Concen: 135.900 ug/l
RT: 12.614 min Scan# 1801
Delta R.T. 0.100 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(10-15)

Tgt Ion: 75 Resp: 55294
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 11.147 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD073904.D
Acq: 21 Jul 2022 19:08

Tgt Ion:128 Resp: 38120
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.6 8.4 12.6

