

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073900.D
 Acq On : 21 Jul 2022 17:03
 Operator : VA/SY
 Sample : N3814-05
 Misc : 5.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-3(5-10)

Quant Time: Jul 22 01:19:57 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)

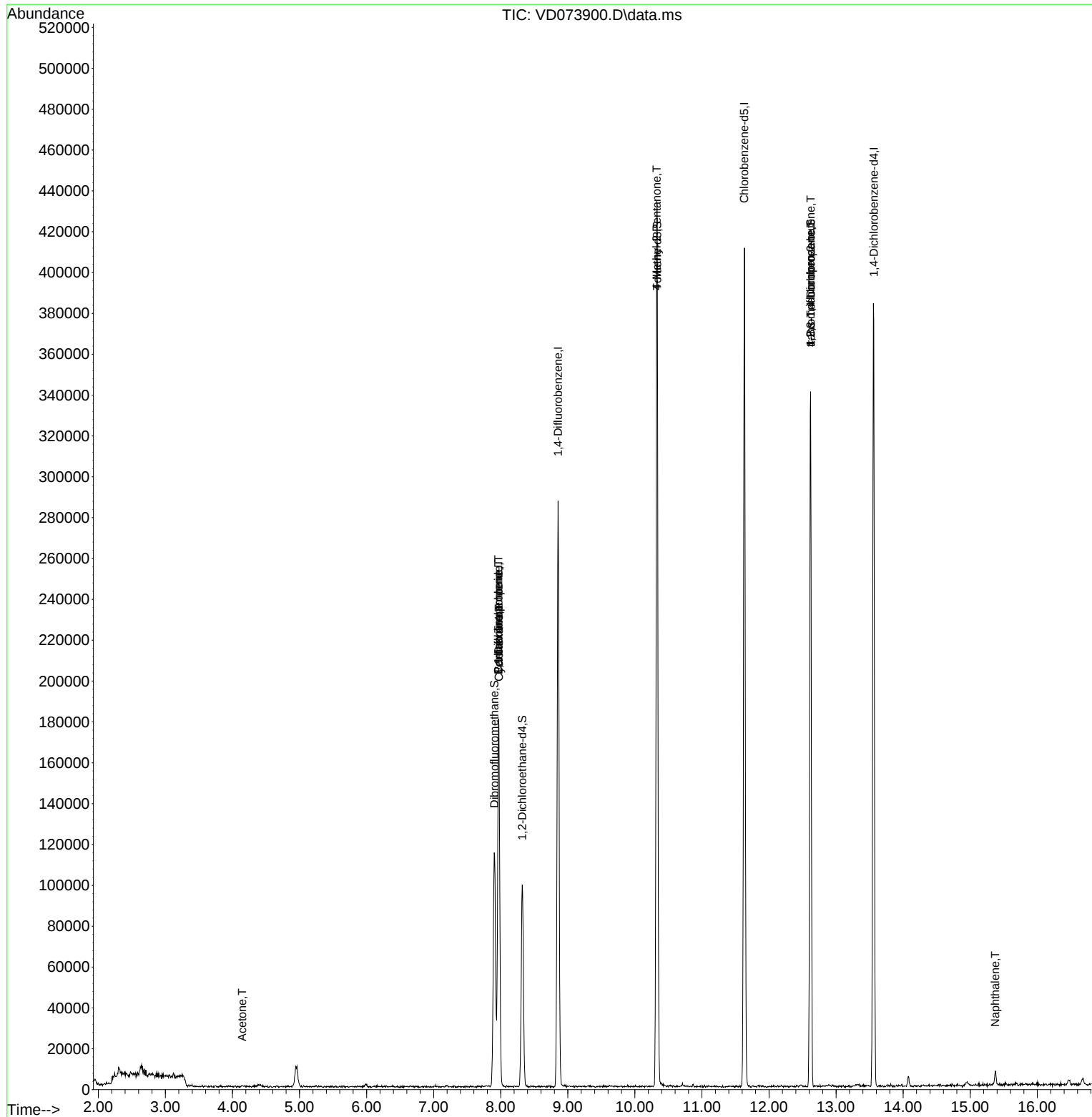
Internal Standards						
1) Pentafluorobenzene	7.967	168	123900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	236441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	227069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	100280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	79702	53.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.740%			
35) Dibromofluoromethane	7.903	113	80991	48.554	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.100%			
50) Toluene-d8	10.332	98	291969	48.217	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.620	95	98824	47.467	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.940%			
Target Compounds						
3) Chloromethane	2.203	50	566	Below Cal	#	40
11) Tert butyl alcohol	5.226	59	71	Below Cal	#	74
16) Acetone	4.144	43	310	1.277	ug/l #	47
18) Methyl Acetate	4.720	43	116	Below Cal	#	55
20) Methylene Chloride	4.950	84	7976	Below Cal	#	71
31) Cyclohexane	7.973	56	3558	1.513	ug/l #	58
36) 1,1-Dichloropropene	7.967	75	11062	4.597	ug/l #	52
38) Carbon Tetrachloride	7.967	117	14208	5.170	ug/l #	16
51) 4-Methyl-2-Pentanone	10.326	43	1400	1.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	57348	53.299	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	57348	143.824	ug/l #	7
95) Naphthalene	15.373	128	6262	1.869	ug/l	97

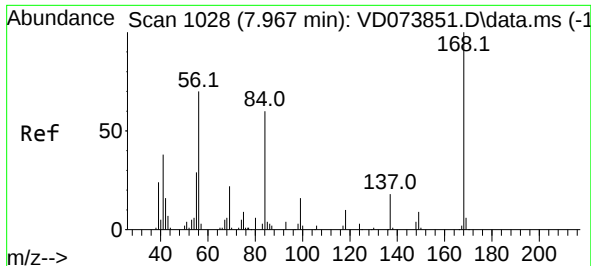
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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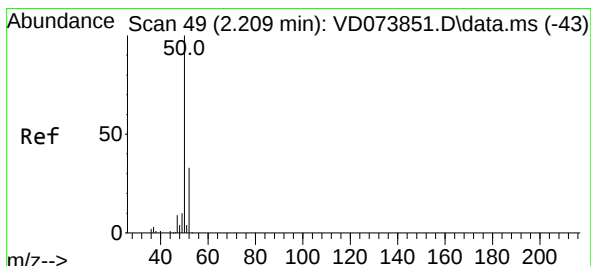
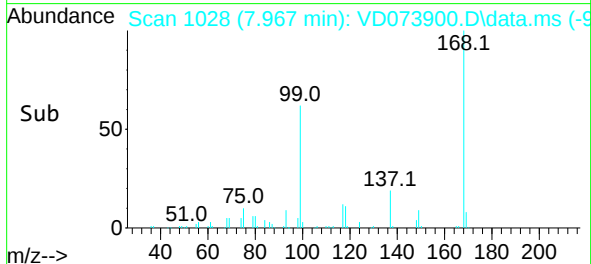
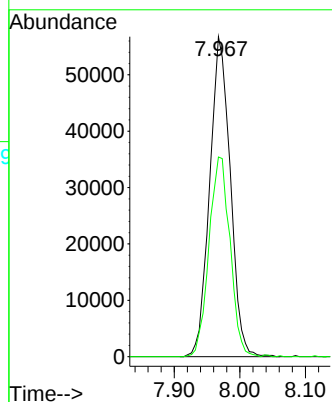
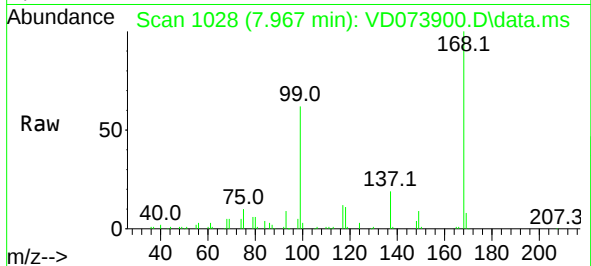




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

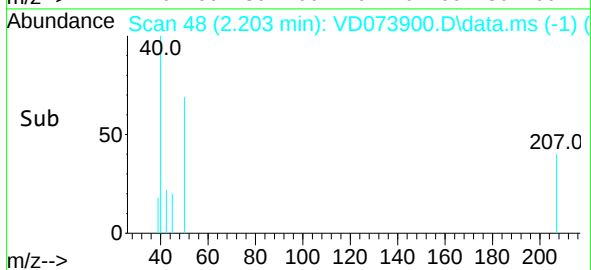
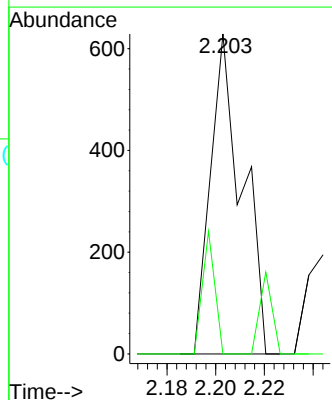
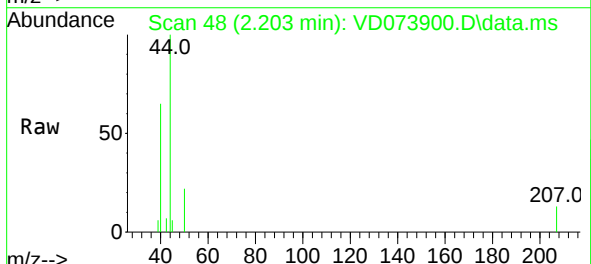
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

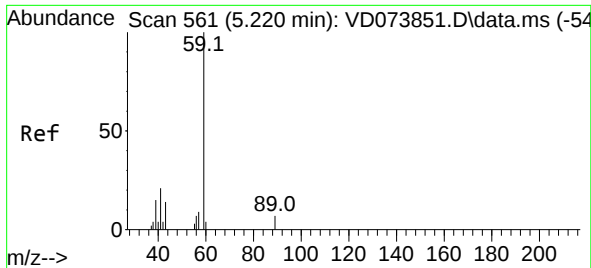
Tgt Ion:168 Resp: 123900
Ion Ratio Lower Upper
168 100
99 62.4 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 50 Resp: 566
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

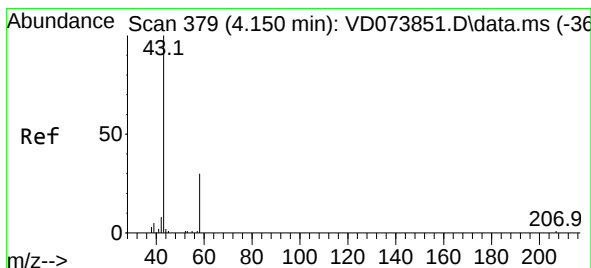
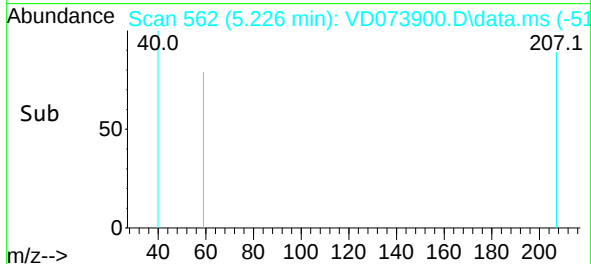
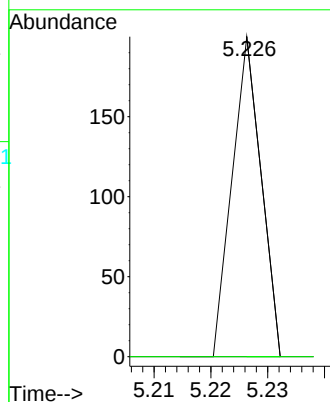
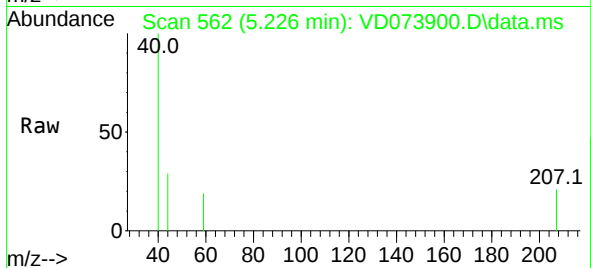




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

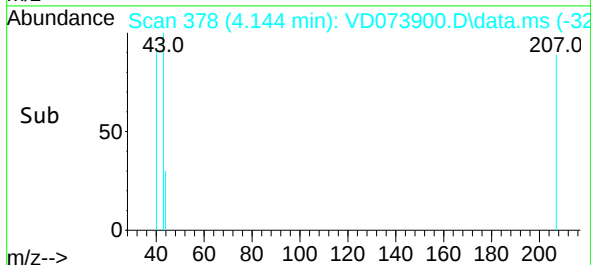
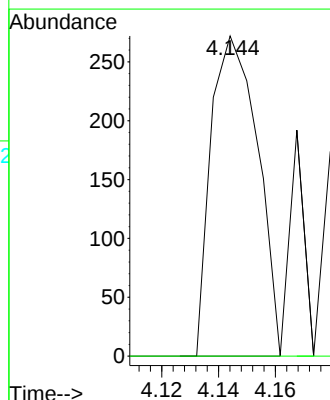
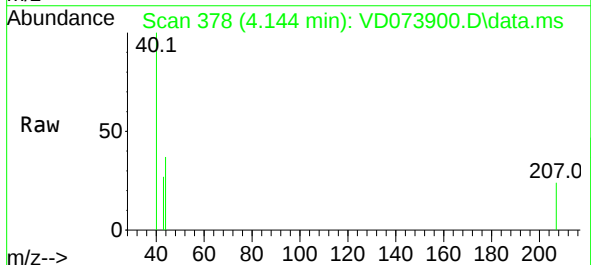
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

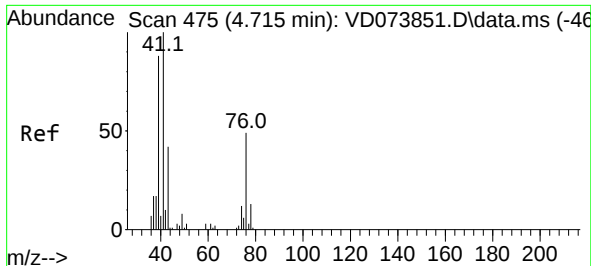
Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.277 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.006 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

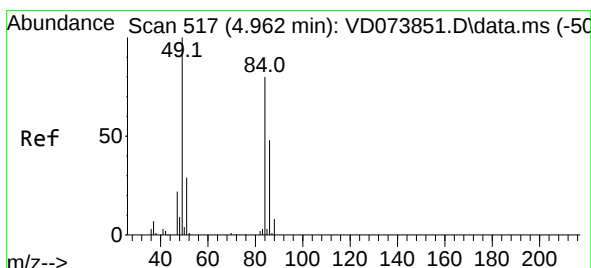
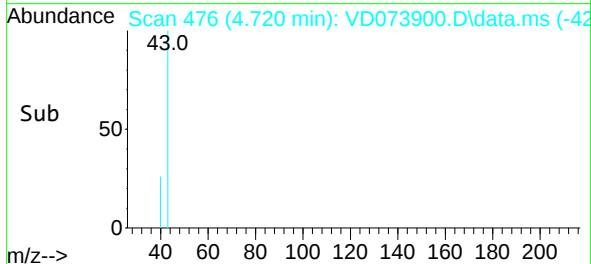
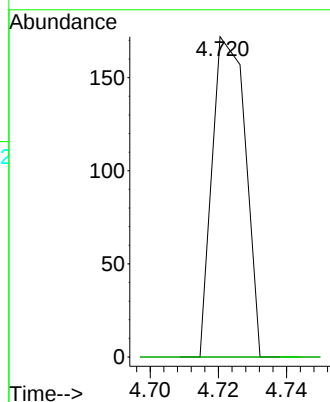
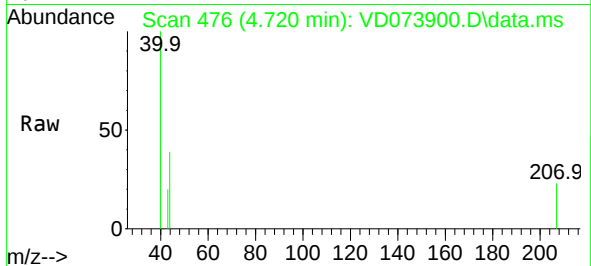




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

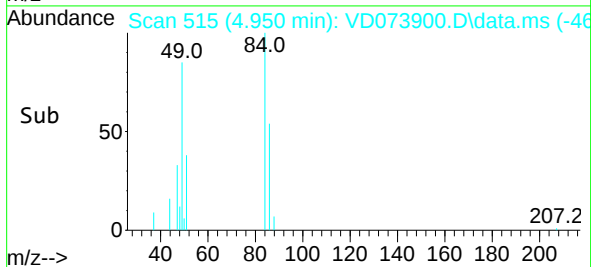
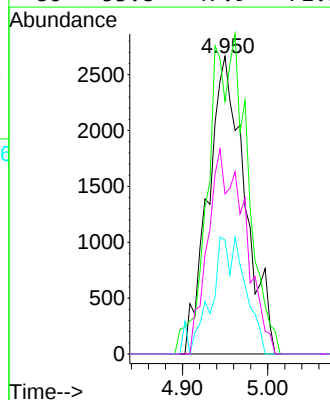
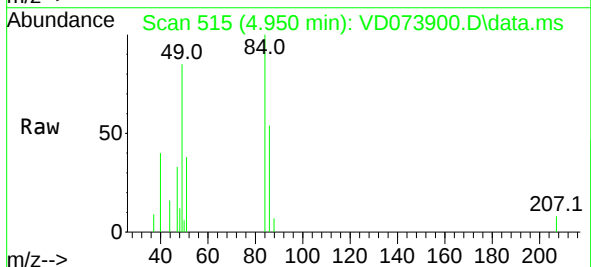
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

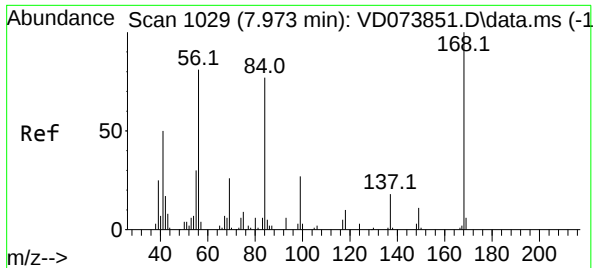
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 84 Resp: 7976
Ion Ratio Lower Upper
84 100
49 84.9 112.8 169.2#
51 38.3 32.6 48.8
86 53.8 47.9 71.9

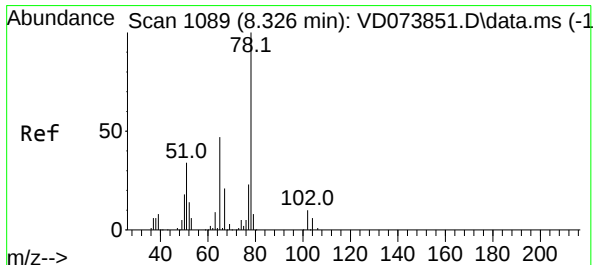
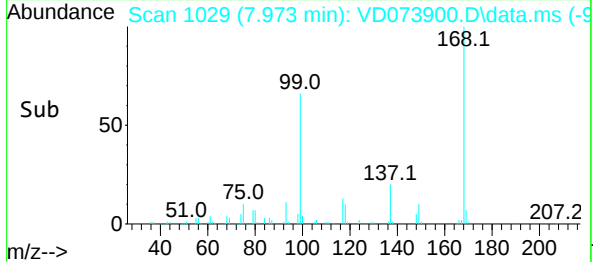
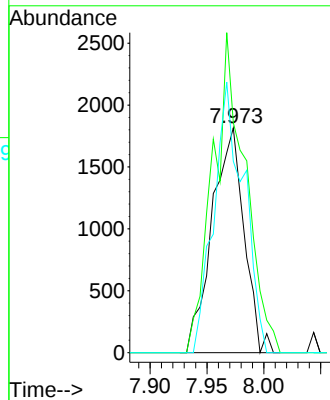
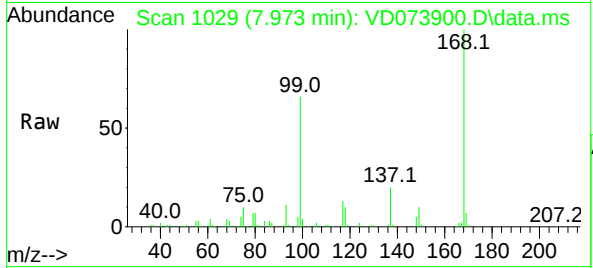




#31
Cyclohexane
Concen: 1.513 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

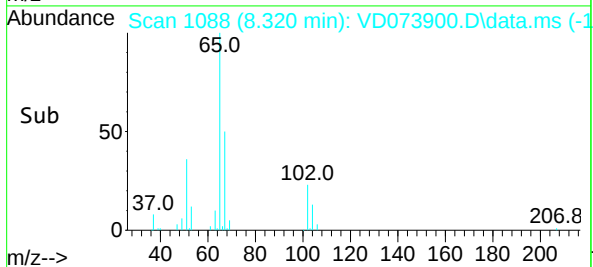
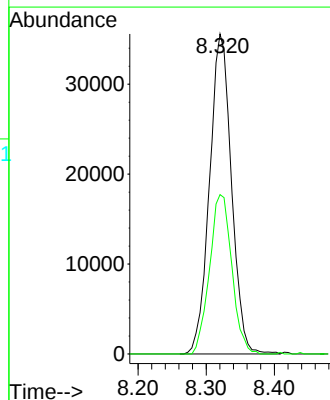
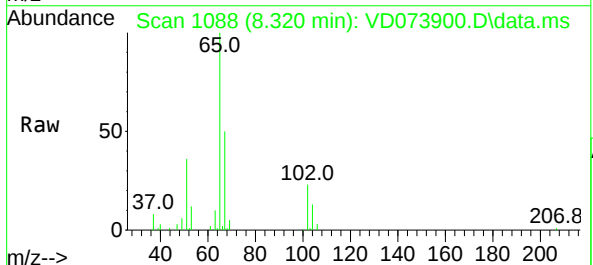
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

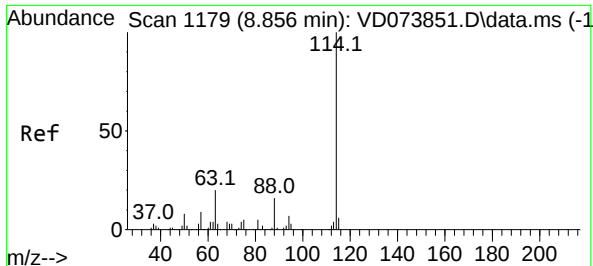
Tgt Ion: 56 Resp: 3558
Ion Ratio Lower Upper
56 100
69 102.4 25.4 38.2#
84 85.1 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 53.871 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 65 Resp: 79702
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073900.D

Acq: 21 Jul 2022 17:03

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-3(5-10)

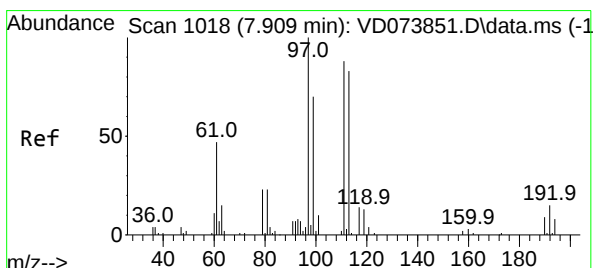
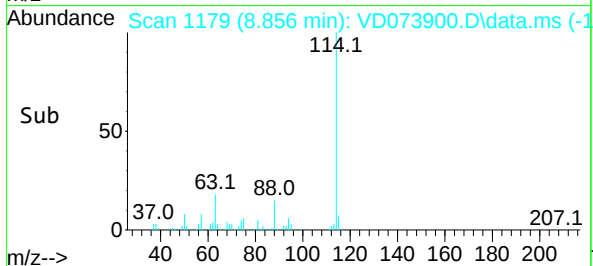
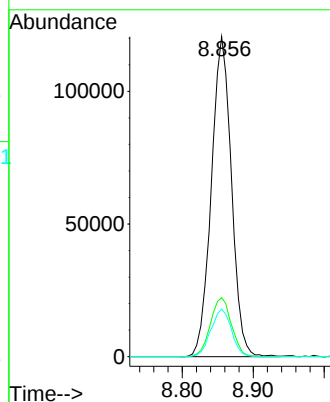
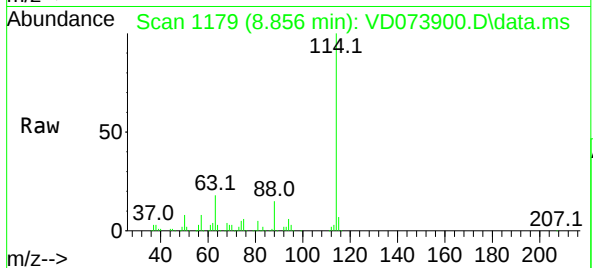
Tgt Ion:114 Resp: 236441

Ion Ratio Lower Upper

114 100

63 18.4 0.0 46.6

88 14.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.554 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073900.D

Acq: 21 Jul 2022 17:03

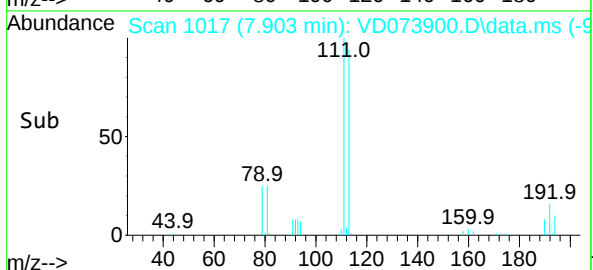
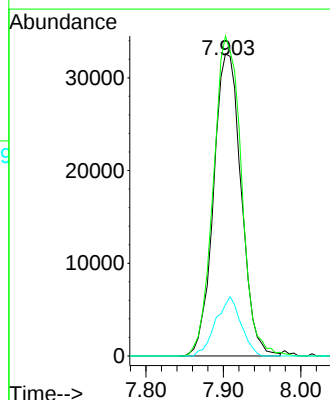
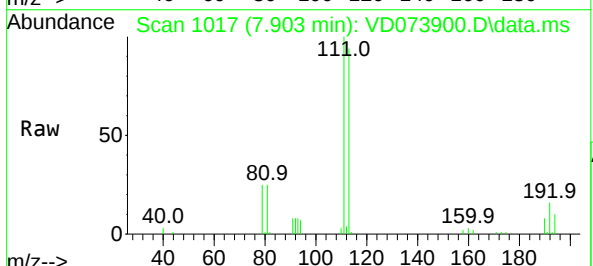
Tgt Ion:113 Resp: 80991

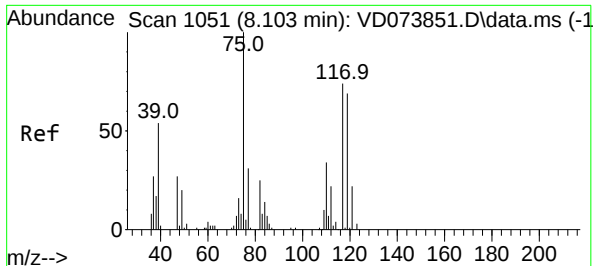
Ion Ratio Lower Upper

113 100

111 107.1 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.597 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073900.D

Acq: 21 Jul 2022 17:03

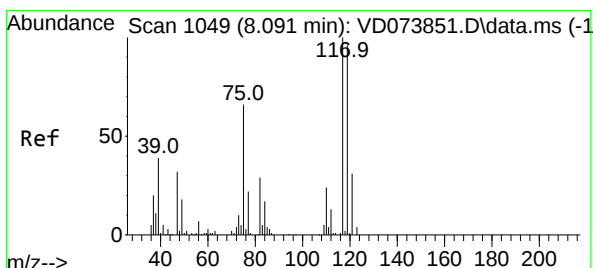
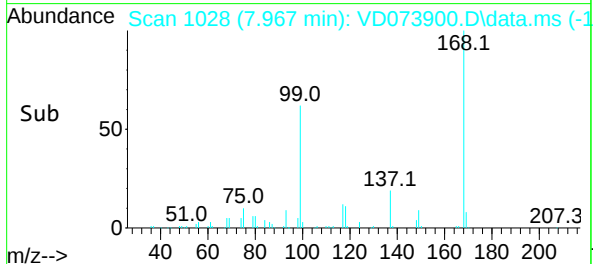
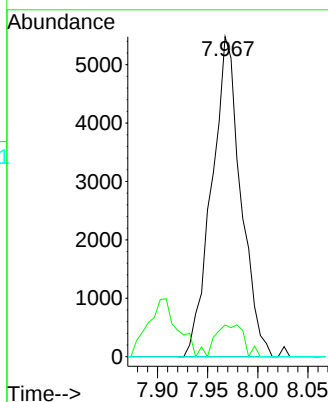
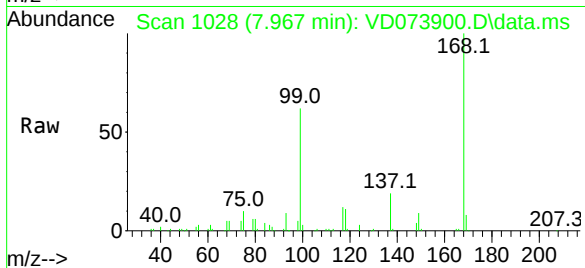
Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-3(5-10)

Tgt Ion:	75	Resp:	11062
Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.170 ug/l

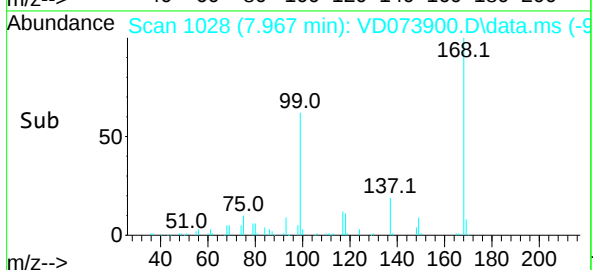
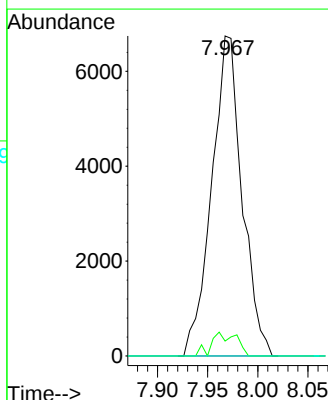
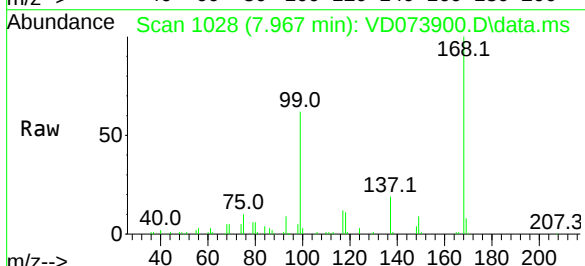
RT: 7.967 min Scan# 1028

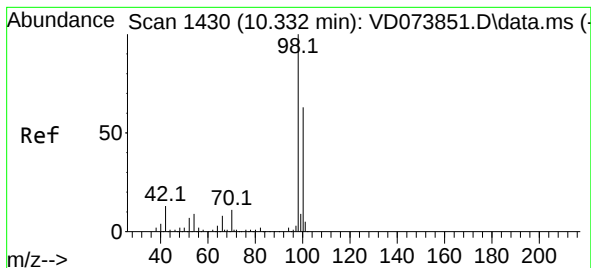
Delta R.T. -0.124 min

Lab File: VD073900.D

Acq: 21 Jul 2022 17:03

Tgt Ion:	117	Resp:	14208
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.6#
121	0.0	24.5	36.7#

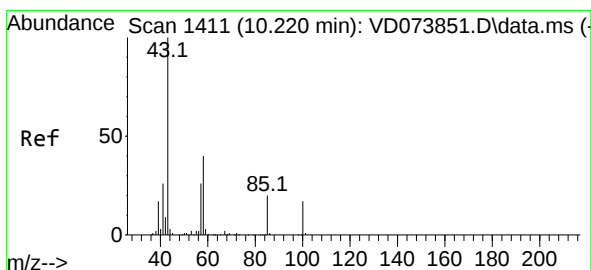
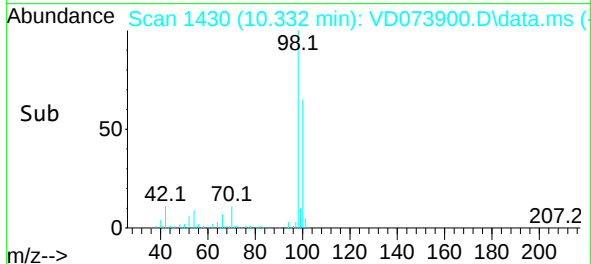
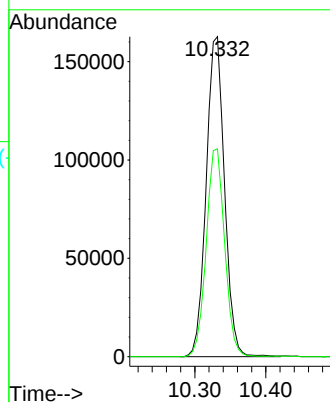
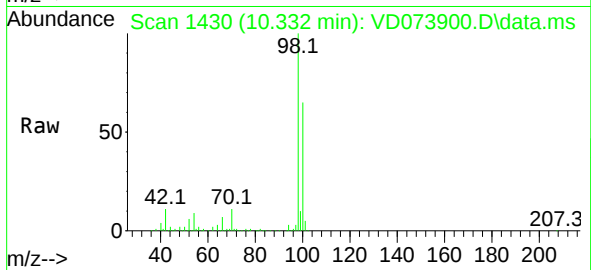




#50
Toluene-d8
Concen: 48.217 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

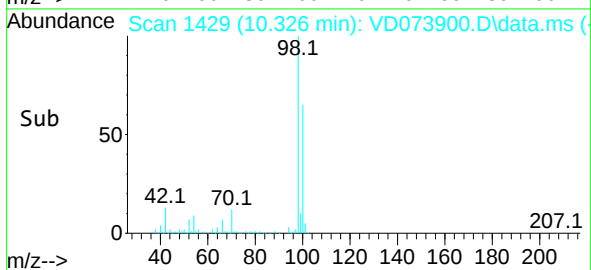
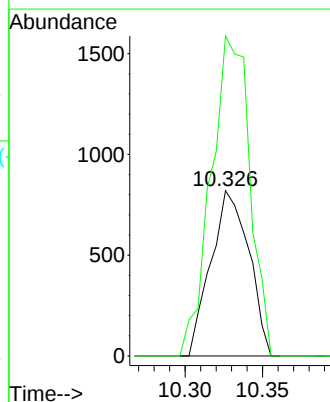
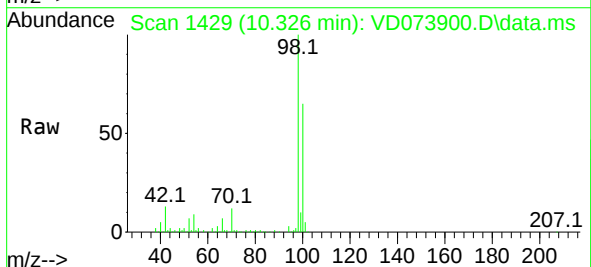
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

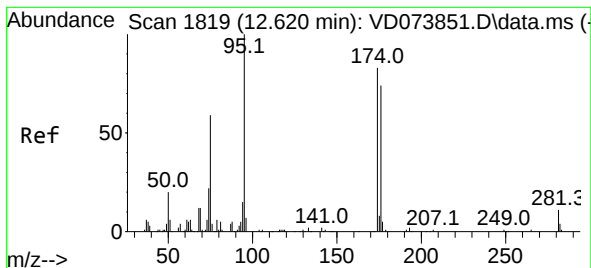
Tgt Ion: 98 Resp: 291969
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.620 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 197.4 28.6 43.0#

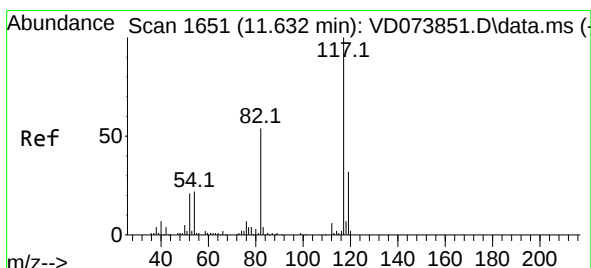
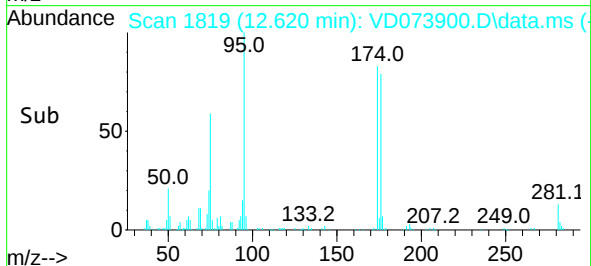
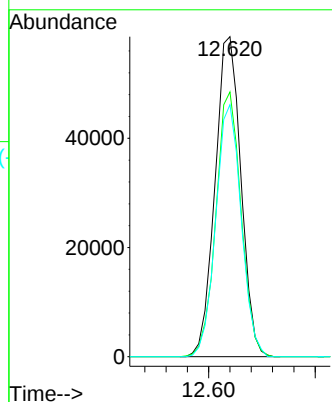
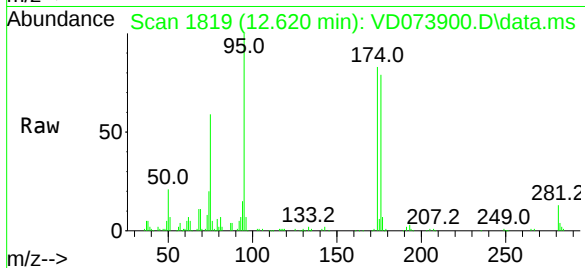




#62
4-Bromofluorobenzene
Concen: 47.467 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

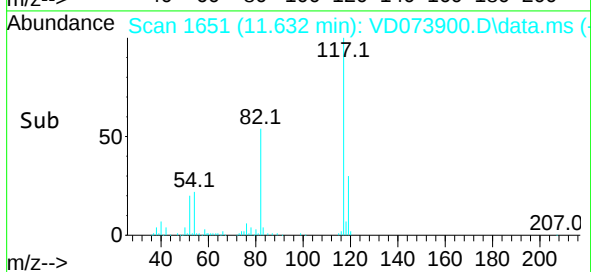
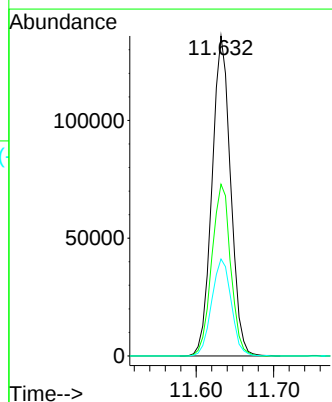
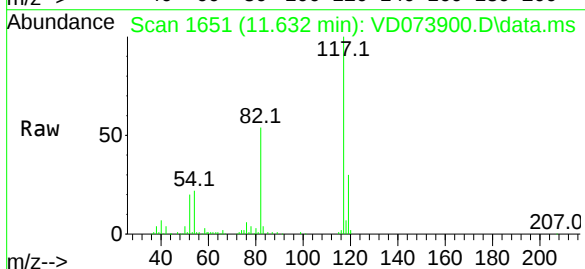
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

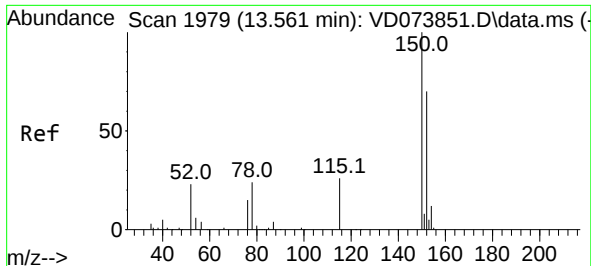
Tgt Ion: 95 Resp: 98824
Ion Ratio Lower Upper
95 100
174 80.5 0.0 152.8
176 77.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 117 Resp: 227069
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 30.3 26.6 40.0

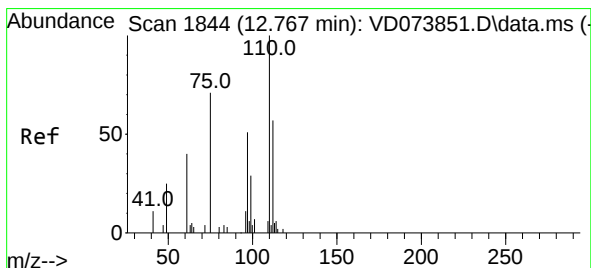
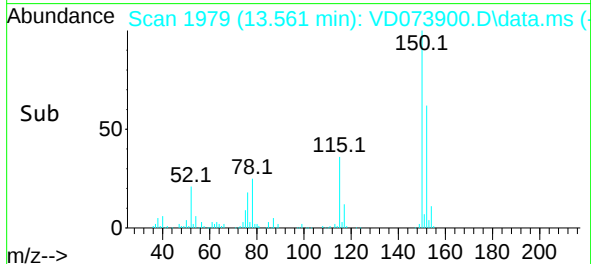
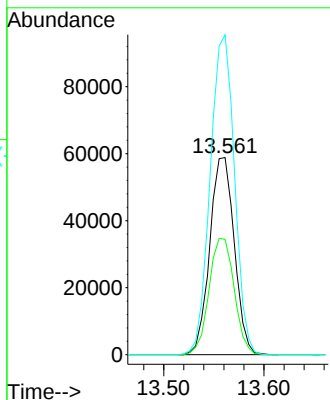
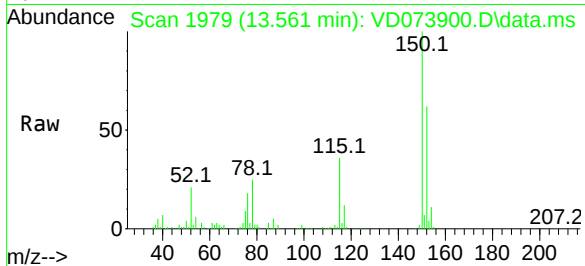




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

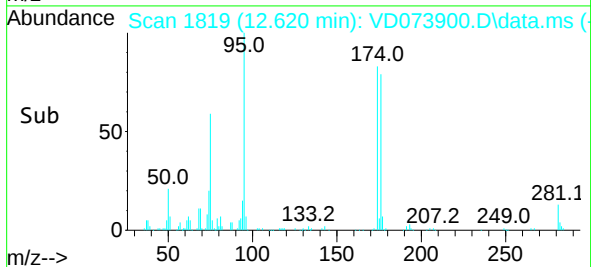
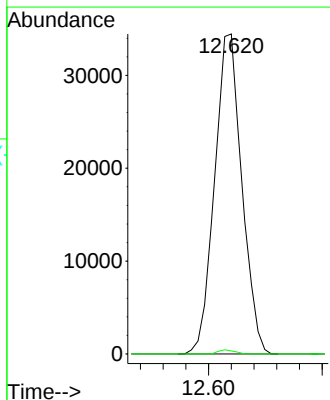
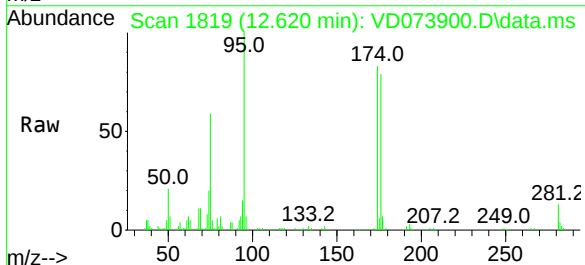
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

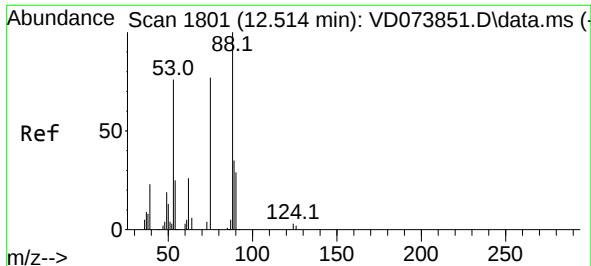
Tgt Ion:152 Resp: 100280
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 160.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 53.299 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 75 Resp: 57348
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

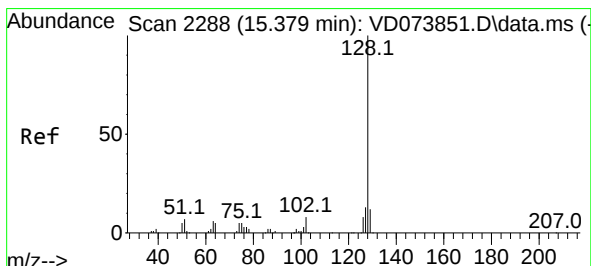
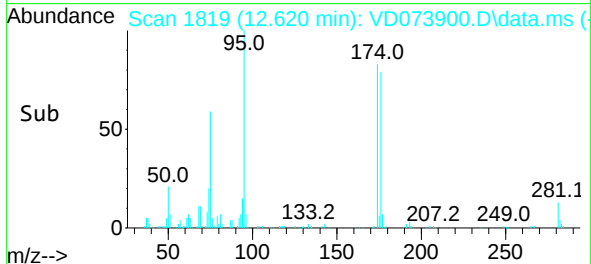
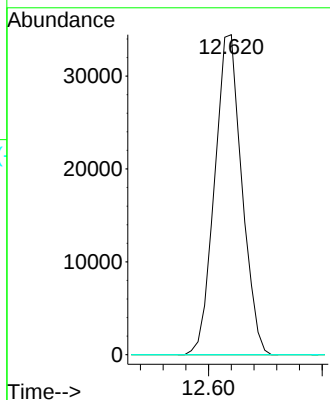
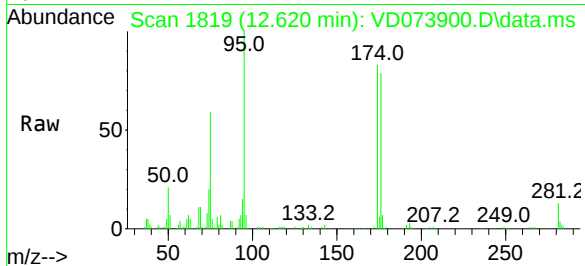




#81
trans-1,4-Dichloro-2-butene
Concen: 143.824 ug/l
RT: 12.620 min Scan# 1801
Delta R.T. 0.106 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-3(5-10)

Tgt Ion: 75 Resp: 57348
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.869 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.006 min
Lab File: VD073900.D
Acq: 21 Jul 2022 17:03

Tgt Ion: 128 Resp: 6262
Ion Ratio Lower Upper
128 100
127 14.6 10.3 15.5
129 9.7 8.4 12.6

