

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073868.D
 Acq On : 19 Jul 2022 18:42
 Operator : VA/SY
 Sample : N3730-05
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-6.5-7.0

Quant Time: Jul 20 01:23:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

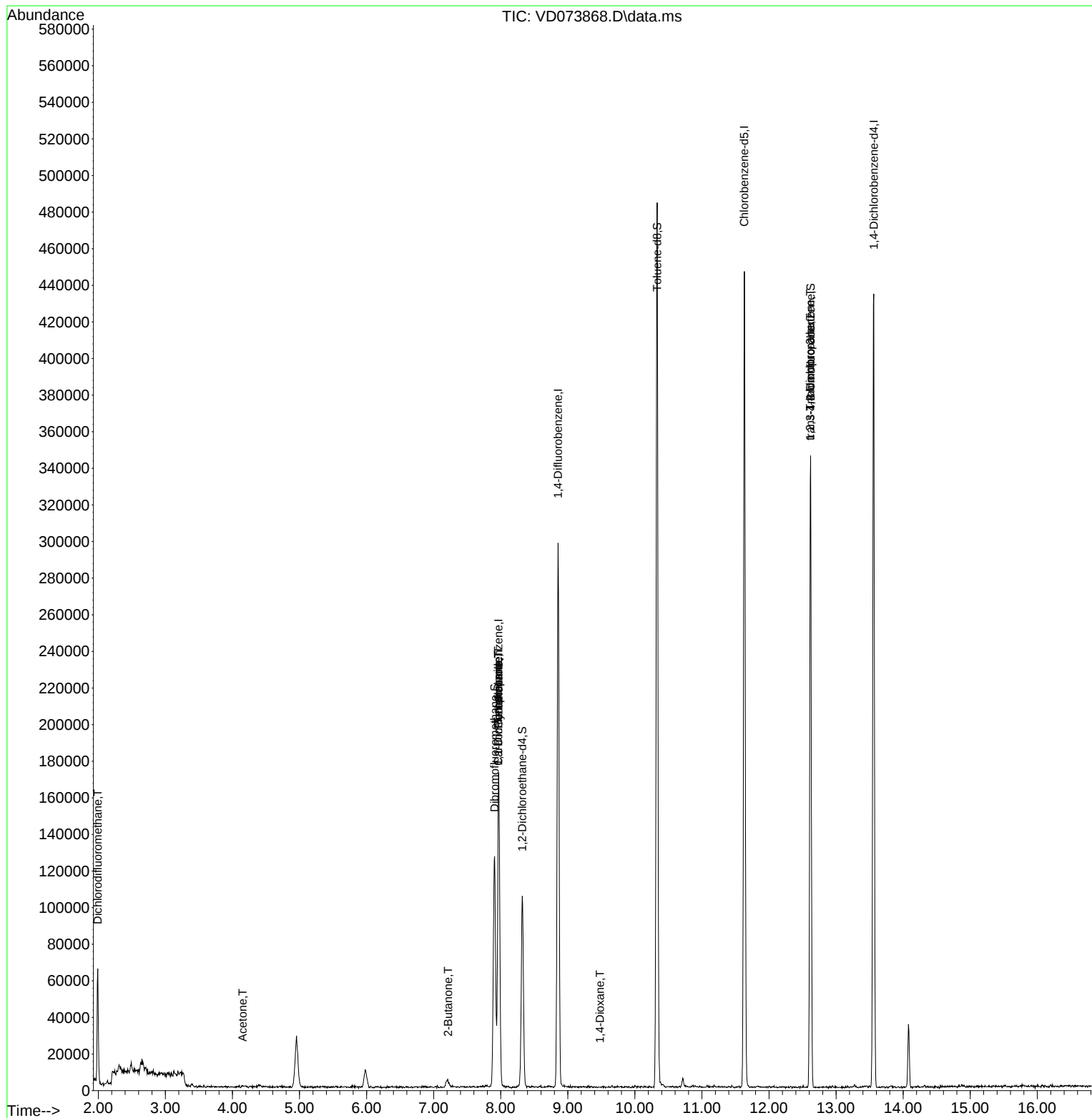
Internal Standards						
1) Pentafluorobenzene	7.967	168	120414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	247364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	245944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	111292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	82451	57.342	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.680%	
35) Dibromofluoromethane	7.909	113	88213	50.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.100%	
50) Toluene-d8	10.332	98	316892	50.022	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.040%	
62) 4-Bromofluorobenzene	12.620	95	108055	49.609	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	43954	39.558	ug/l	97
3) Chloromethane	2.209	50	2928	Below Cal		91
16) Acetone	4.150	43	1264	5.357	ug/l	95
18) Methyl Acetate	4.709	43	88	Below Cal	#	55
20) Methylene Chloride	4.944	84	19576	Below Cal	#	80
25) 2-Butanone	7.214	43	485	1.448	ug/l #	52
31) Cyclohexane	7.967	56	2942	1.288	ug/l #	18
36) 1,1-Dichloropropene	7.962	75	10554	4.192	ug/l #	50
38) Carbon Tetrachloride	7.962	117	13675	4.756	ug/l #	17
49) 1,4-Dioxane	9.479	88	80	7.614	ug/l #	21
76) 1,2,3-Trichloropropane	12.614	75	60316	50.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	60316	136.301	ug/l #	7

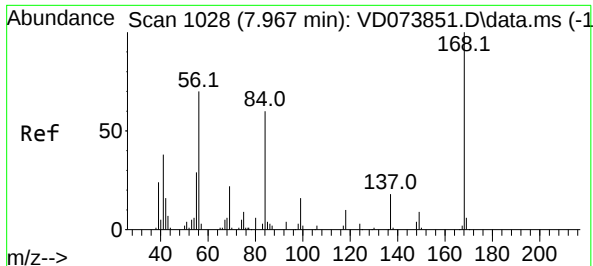
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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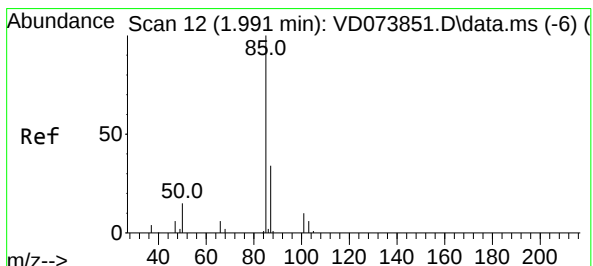
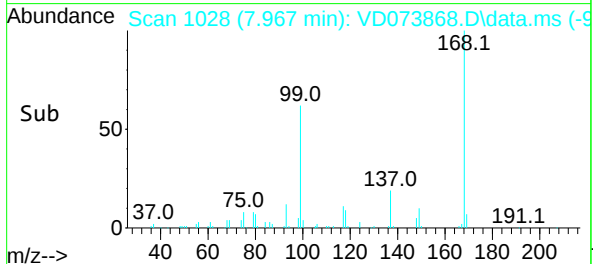
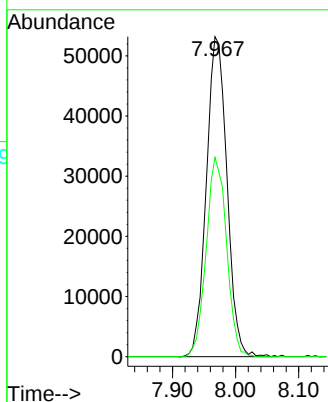
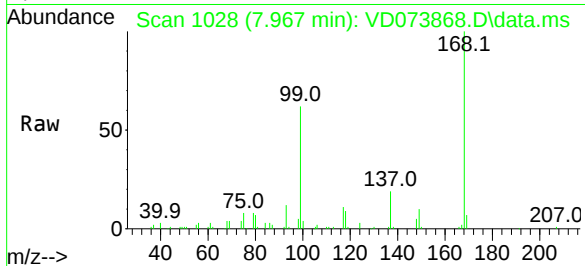




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

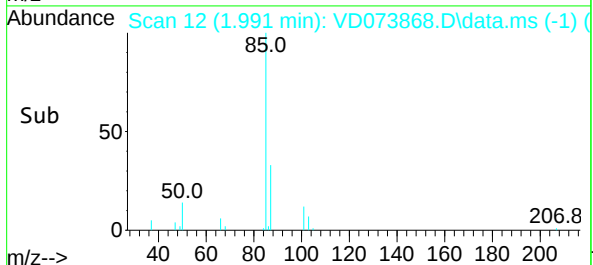
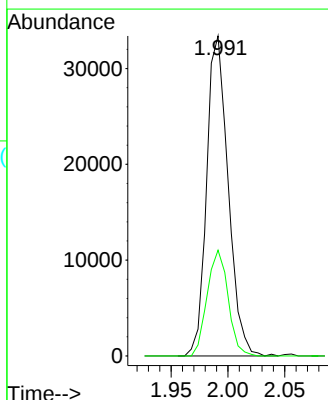
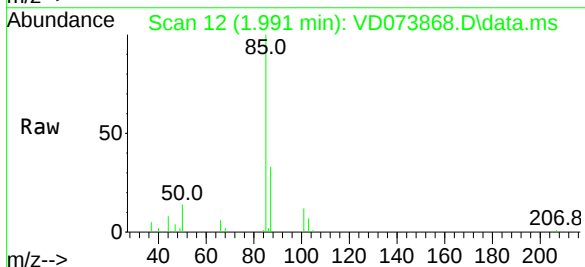
Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

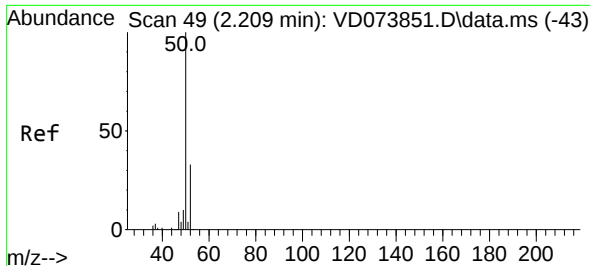
Tgt Ion:168 Resp: 120414
Ion Ratio Lower Upper
168 100
99 62.3 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 39.558 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 85 Resp: 43954
Ion Ratio Lower Upper
85 100
87 33.1 15.7 47.0

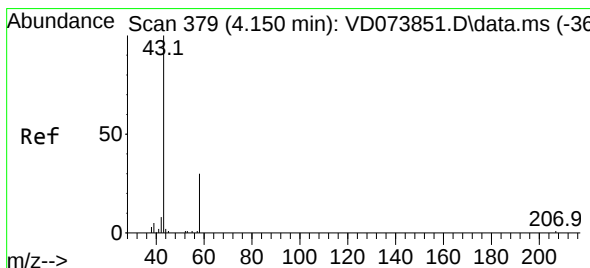
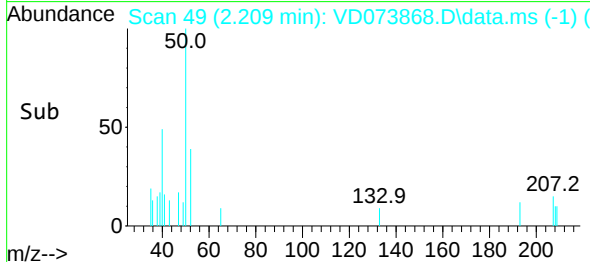
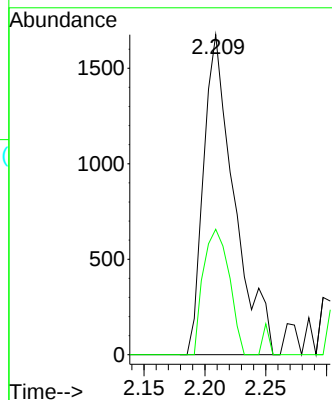
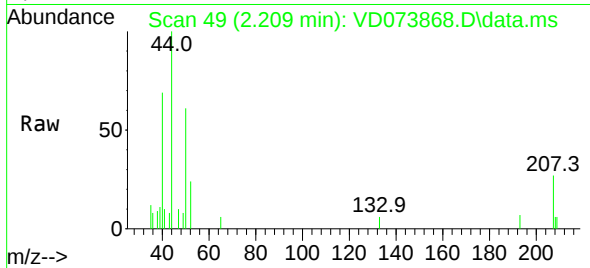




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

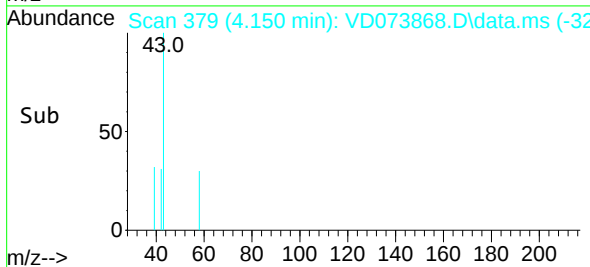
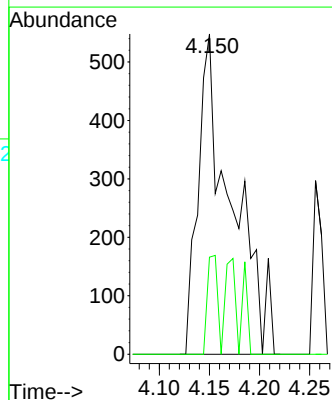
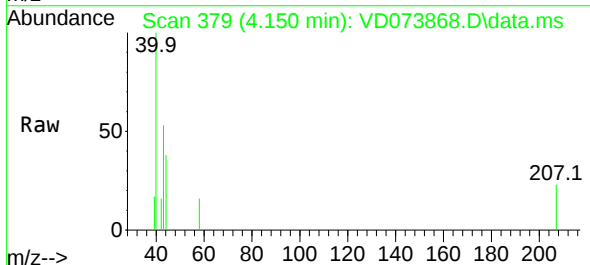
Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

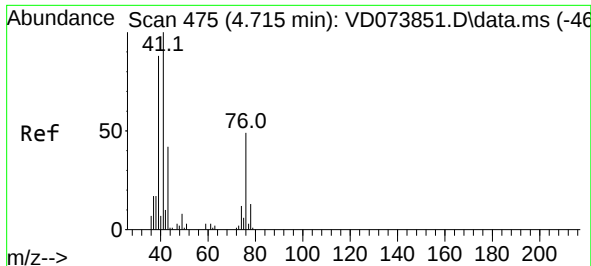
Tgt Ion: 50 Resp: 2928
Ion Ratio Lower Upper
50 100
52 39.2 27.4 41.0



#16
Acetone
Concen: 5.357 ug/l
RT: 4.150 min Scan# 379
Delta R.T. 0.000 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 30.3 22.1 33.1

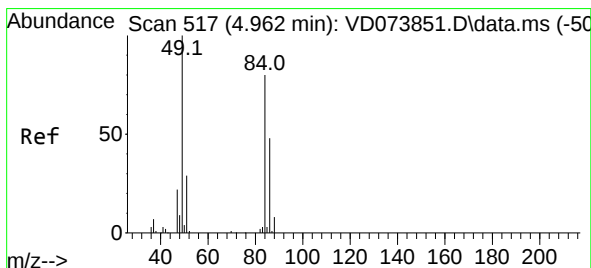
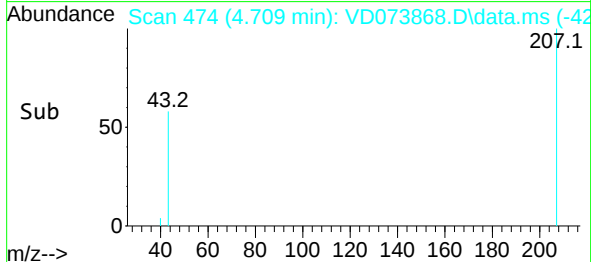
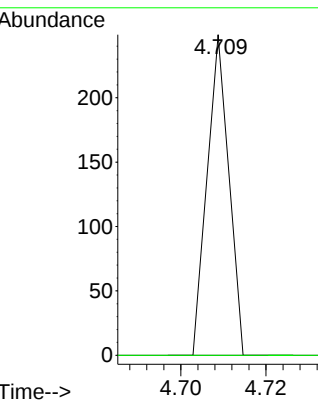
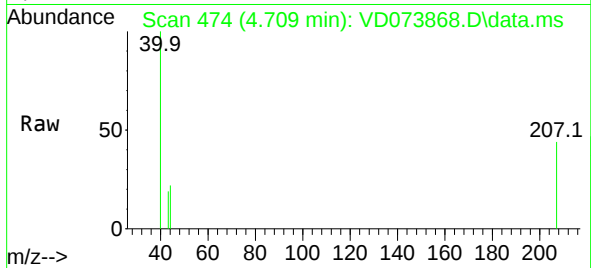




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

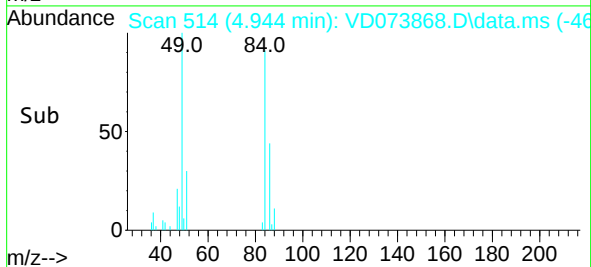
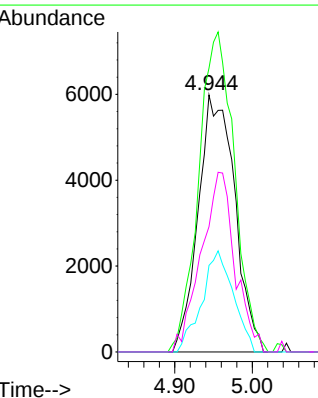
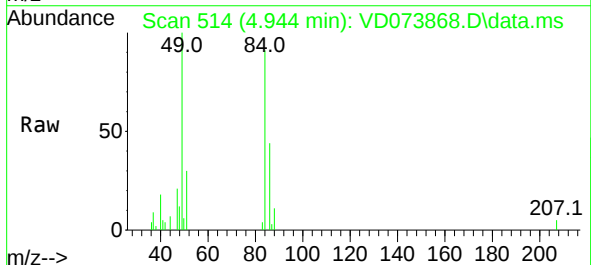
Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

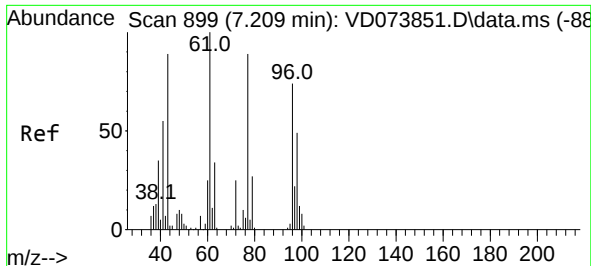
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.018 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 84 Resp: 19576
Ion Ratio Lower Upper
84 100
49 110.5 112.8 169.2#
51 33.7 32.6 48.8
86 48.7 47.9 71.9

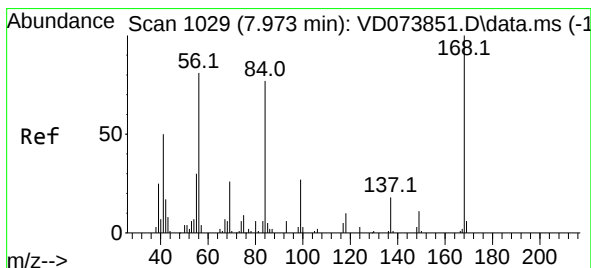
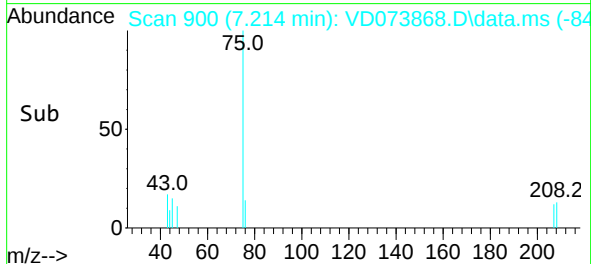
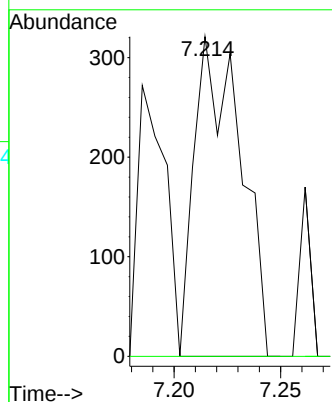
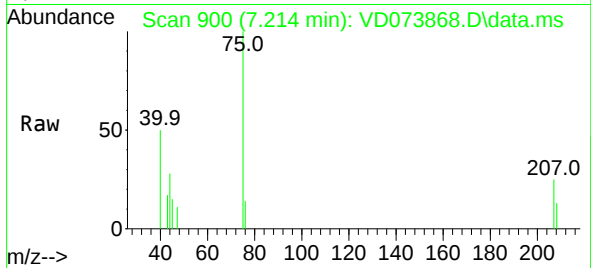




#25
2-Butanone
Concen: 1.448 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

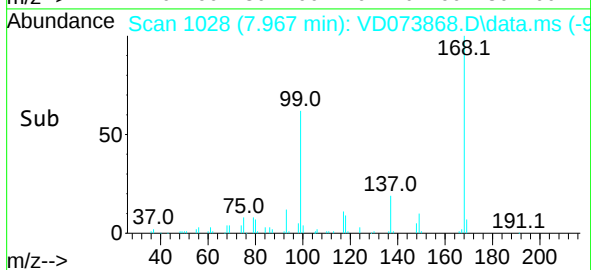
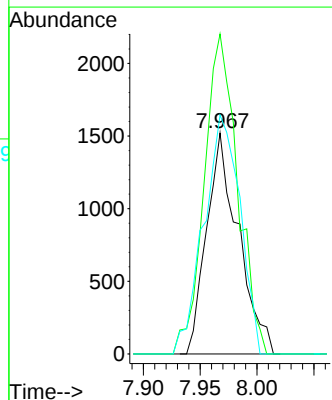
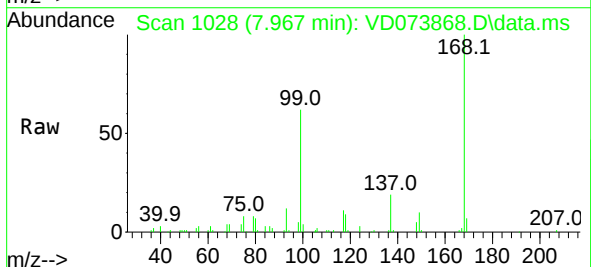
Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

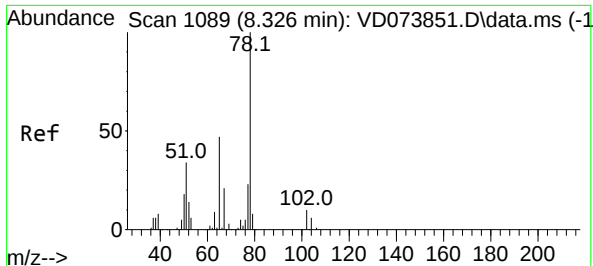
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 56 Resp: 2942
Ion Ratio Lower Upper
56 100
69 144.8 25.4 38.2#
84 108.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 57.342 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073868.D

Acq: 19 Jul 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

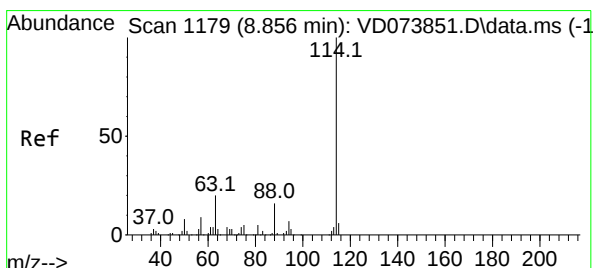
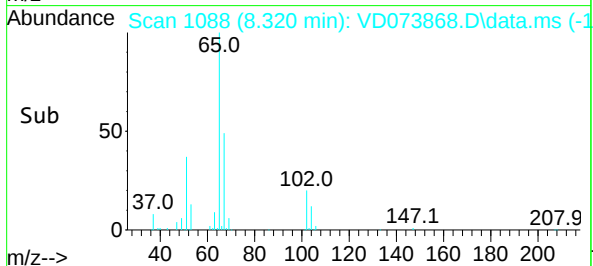
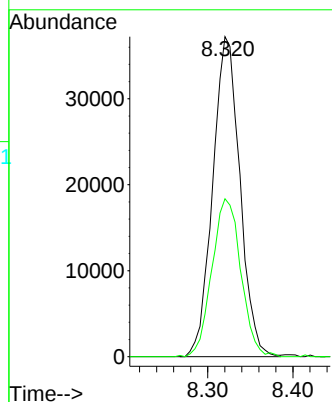
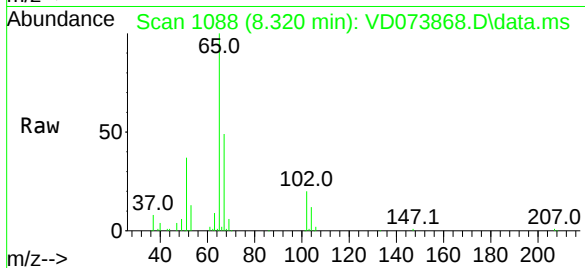
SB-03-6.5-7.0

Tgt Ion: 65 Resp: 82451

Ion Ratio Lower Upper

65 100

67 52.5 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: VD073868.D

Acq: 19 Jul 2022 18:42

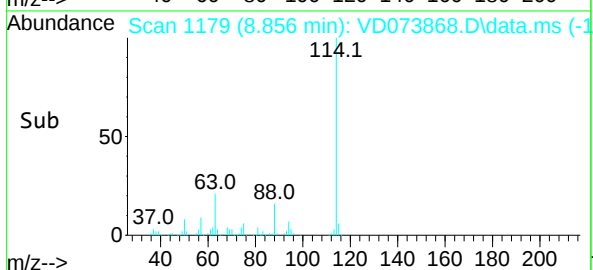
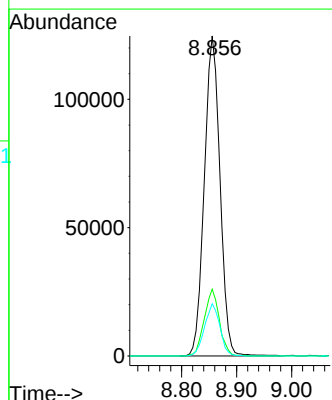
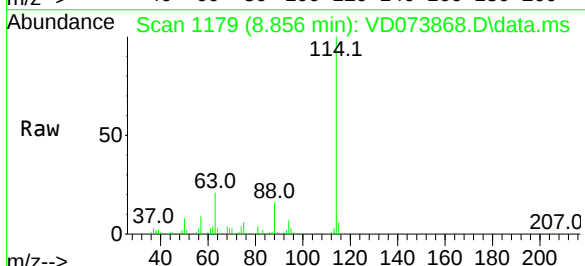
Tgt Ion: 114 Resp: 247364

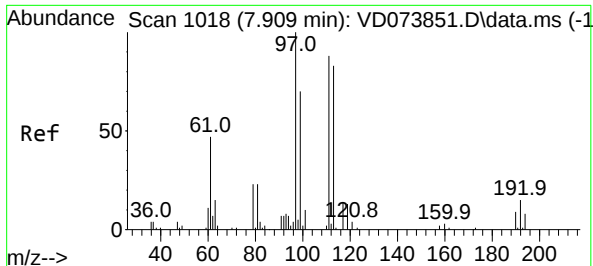
Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.549 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073868.D

Acq: 19 Jul 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

SB-03-6.5-7.0

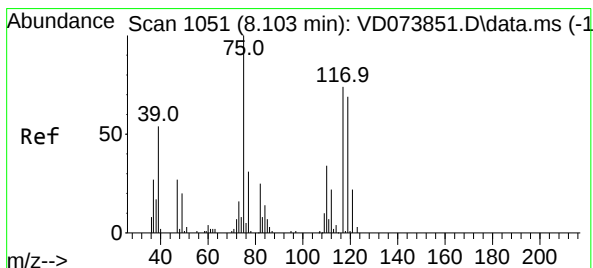
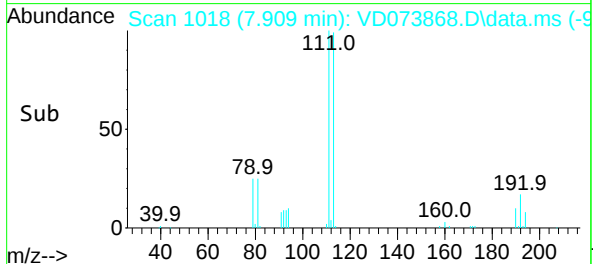
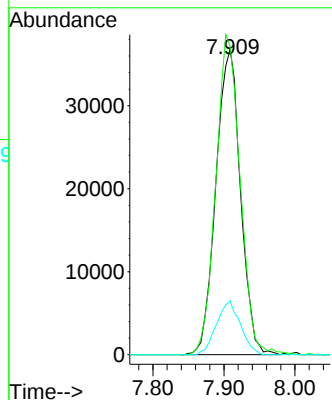
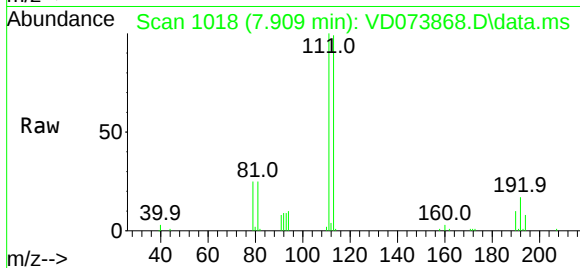
Tgt Ion:113 Resp: 88213

Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 17.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.192 ug/l

RT: 7.962 min Scan# 1027

Delta R.T. -0.141 min

Lab File: VD073868.D

Acq: 19 Jul 2022 18:42

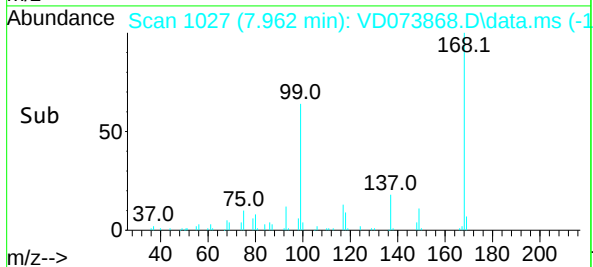
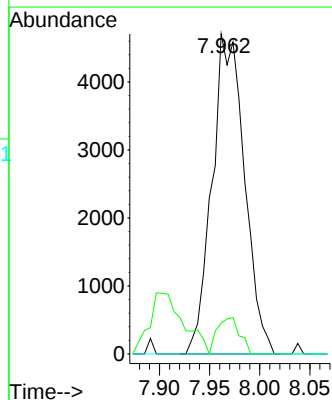
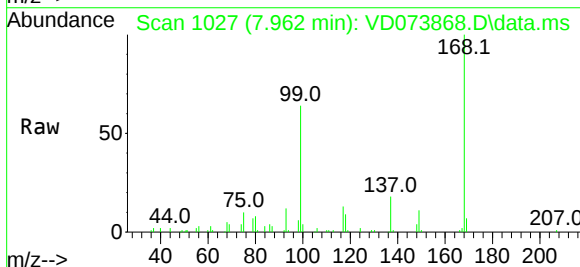
Tgt Ion: 75 Resp: 10554

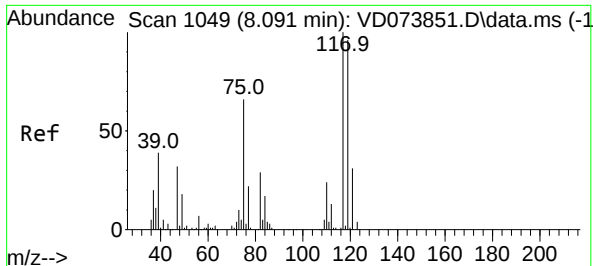
Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

77 0.0 24.2 36.2#

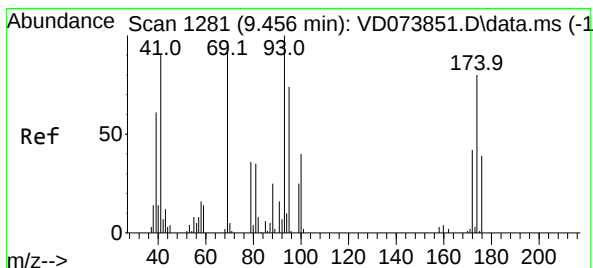
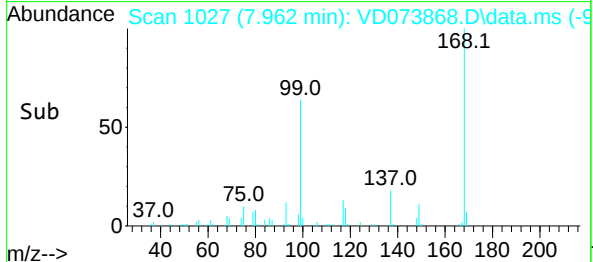
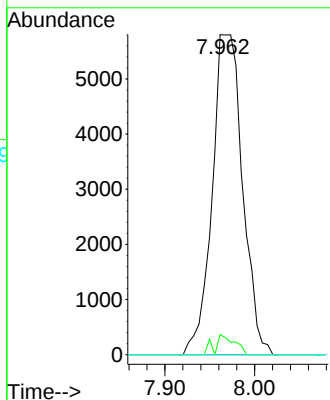
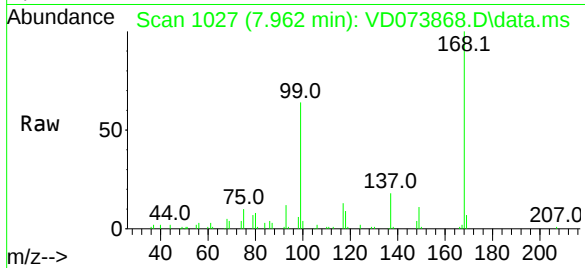




#38
Carbon Tetrachloride
Concen: 4.756 ug/l
RT: 7.962 min Scan# 1027
Delta R.T. -0.129 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

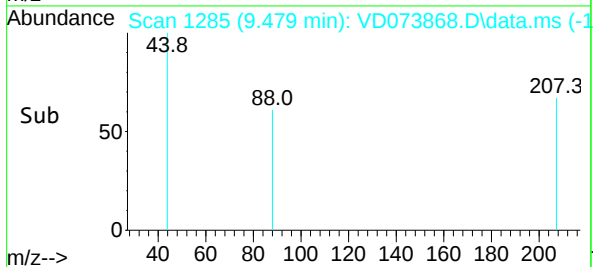
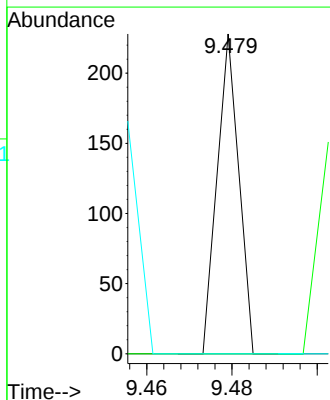
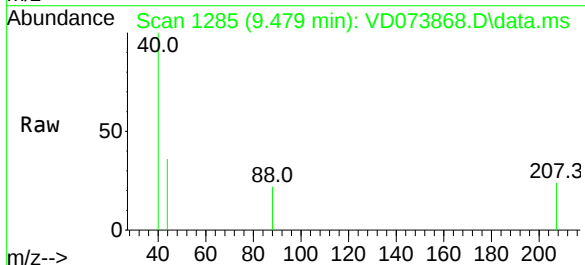
Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

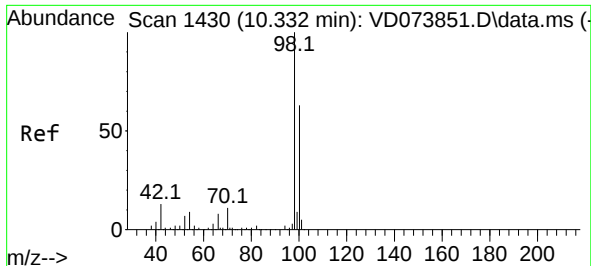
Tgt Ion:117 Resp: 13675
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 7.614 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.024 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

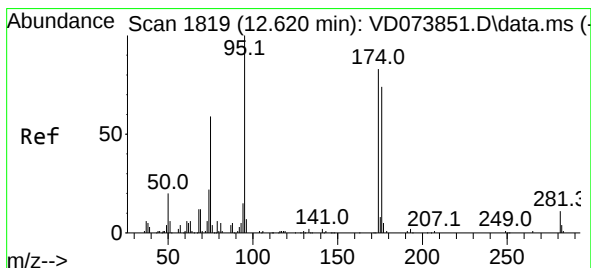
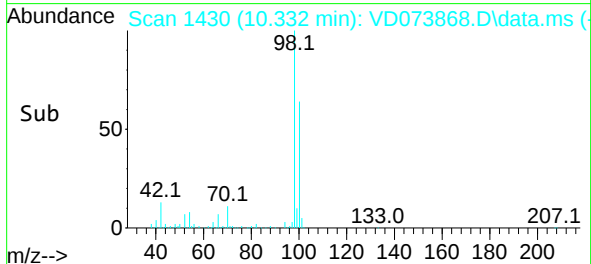
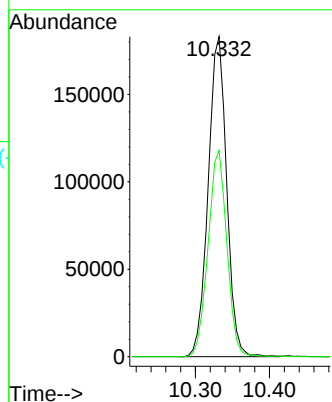
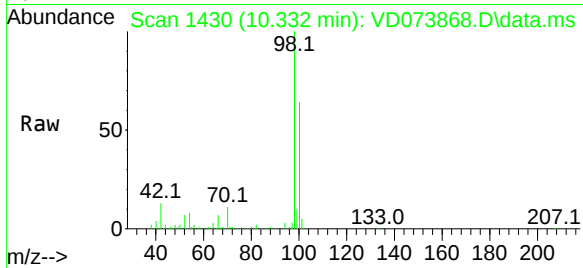




#50
Toluene-d8
Concen: 50.022 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

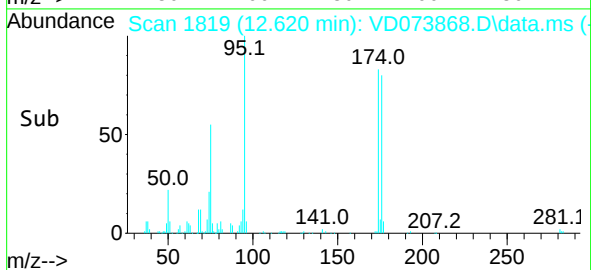
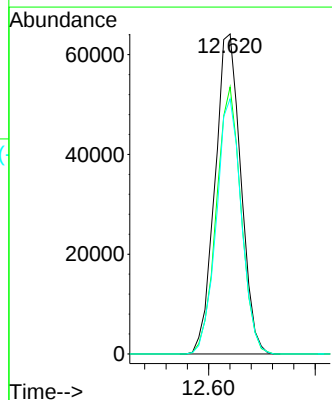
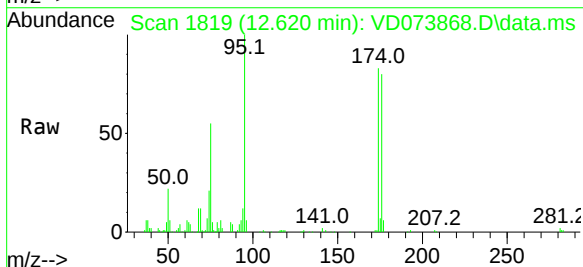
Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

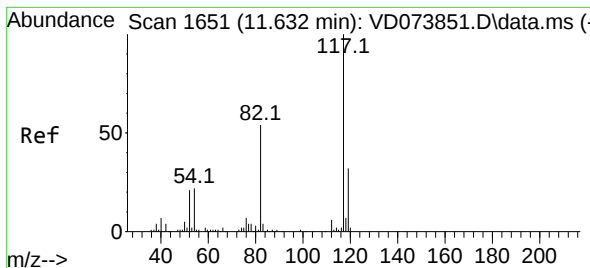
Tgt Ion: 98 Resp: 316892
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.609 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 95 Resp: 108055
Ion Ratio Lower Upper
95 100
174 79.4 0.0 152.8
176 76.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073868.D

Acq: 19 Jul 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

SB-03-6.5-7.0

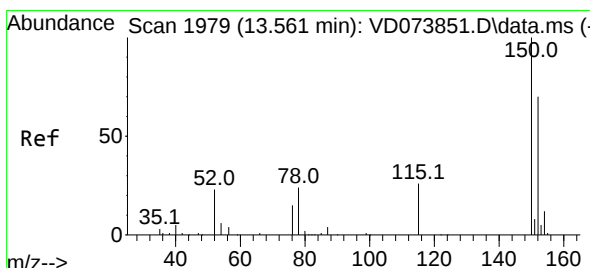
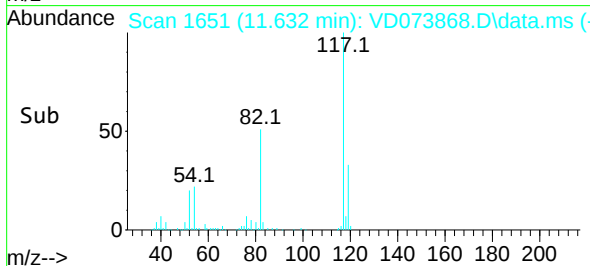
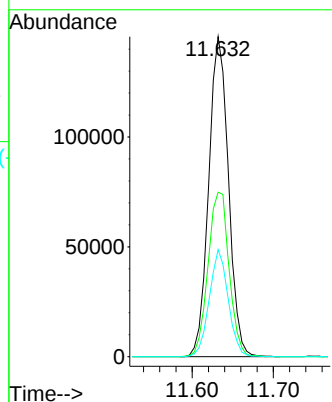
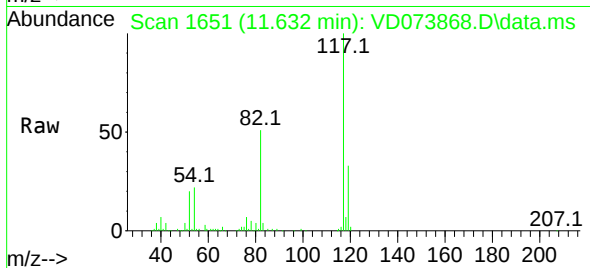
Tgt Ion:117 Resp: 245944

Ion Ratio Lower Upper

117 100

82 51.4 45.3 67.9

119 33.4 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: VD073868.D

Acq: 19 Jul 2022 18:42

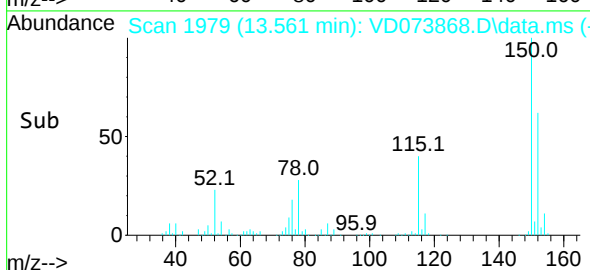
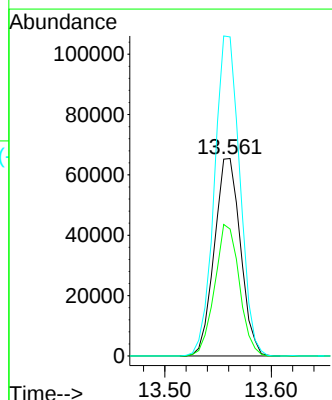
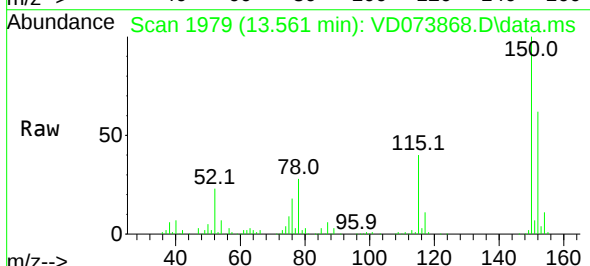
Tgt Ion:152 Resp: 111292

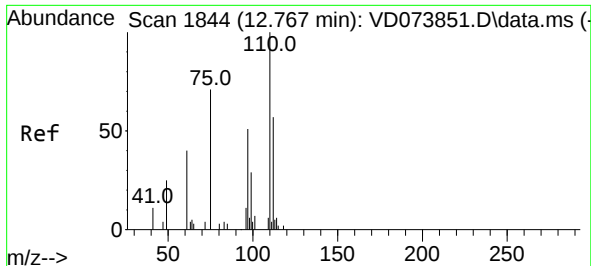
Ion Ratio Lower Upper

152 100

115 63.0 31.3 93.8

150 158.1 0.0 348.6

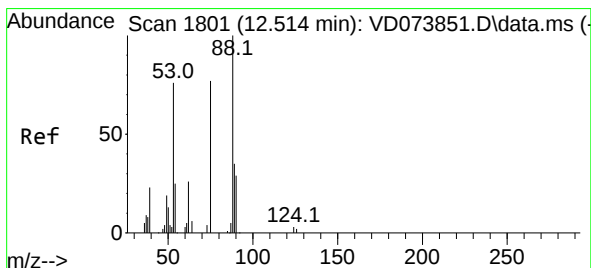
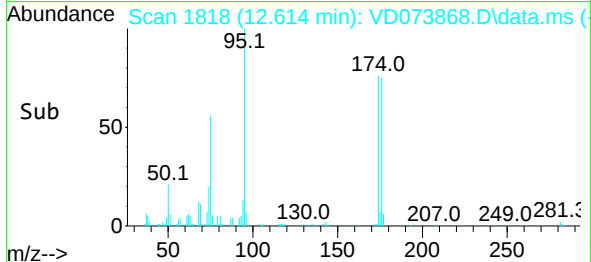
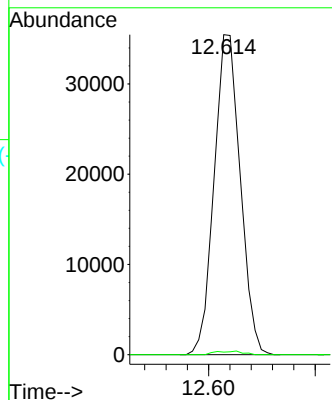
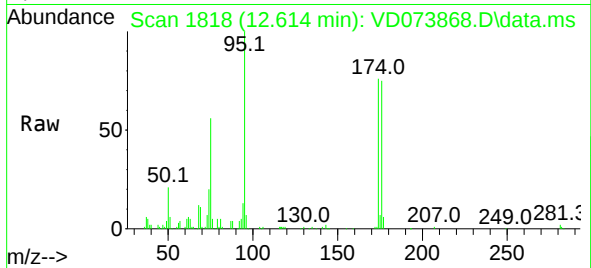




#76
1,2,3-Trichloropropane
Concen: 50.511 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Instrument :
MSVOA_D
ClientSampleId :
SB-03-6.5-7.0

Tgt Ion: 75 Resp: 60316
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.301 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073868.D
Acq: 19 Jul 2022 18:42

Tgt Ion: 75 Resp: 60316
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

