

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070122\
 Data File : VD073769.D
 Acq On : 01 Jul 2022 17:38
 Operator : VA/SY
 Sample : N3562-06
 Misc : 4.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9B

Quant Time: Jul 05 05:09:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D063022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 05 04:59:39 2022
 Response via : Initial Calibration

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

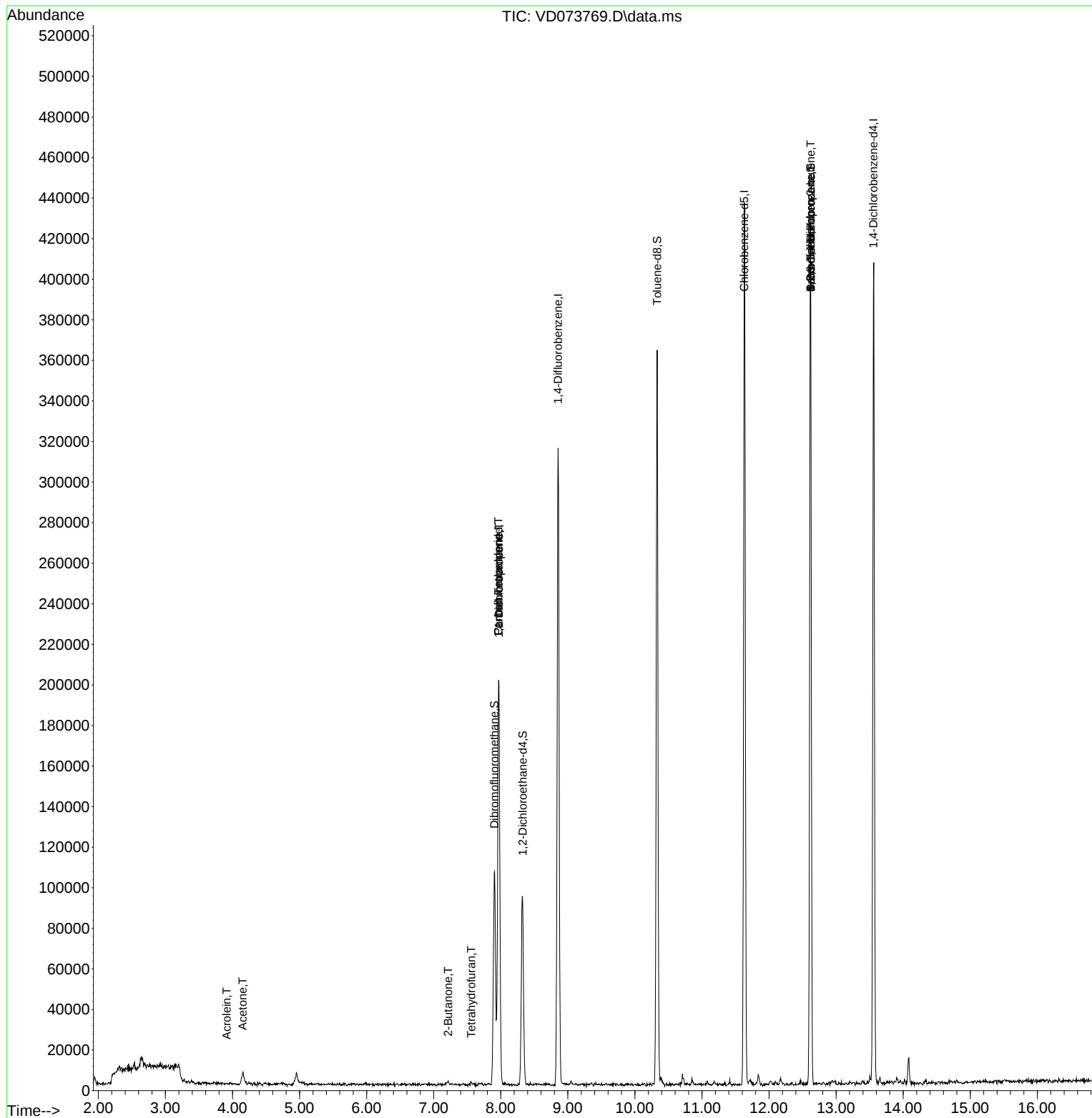
Internal Standards						
1) Pentafluorobenzene	7.967	168	135428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	263452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	236865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	99466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	73619	55.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.440%			
35) Dibromofluoromethane	7.903	113	74623	52.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.280%			
50) Toluene-d8	10.332	98	235460	44.851	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.700%			
62) 4-Bromofluorobenzene	12.620	95	97972	47.315	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.620%			
Target Compounds						
5) Bromomethane	2.773	94	837	Below Cal		83
13) Acrolein	3.914	56	64	2.109 ug/l #		12
16) Acetone	4.150	43	9750	35.471 ug/l		89
18) Methyl Acetate	4.709	43	399	Below Cal #		50
20) Methylene Chloride	4.950	84	3514	Below Cal #		78
25) 2-Butanone	7.214	43	1684	3.731 ug/l		91
29) Tetrahydrofuran	7.561	42	879	3.081 ug/l #		69
31) Cyclohexane	7.961	56	4207	Below Cal #		37
36) 1,1-Dichloropropene	7.973	75	13189	6.637 ug/l #		50
38) Carbon Tetrachloride	7.967	117	15985	7.492 ug/l #		13
71) Bromoform	12.620	173	873	1.016 ug/l #		1
76) 1,2,3-Trichloropropane	12.620	75	54828	57.680 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.620	75	54828	111.271 ug/l #		11

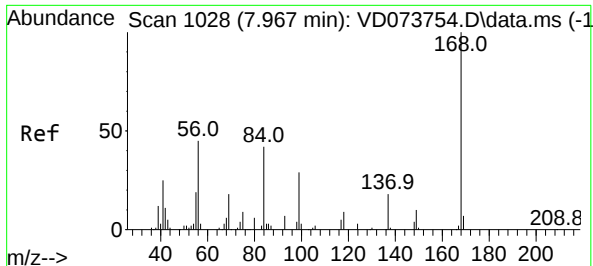
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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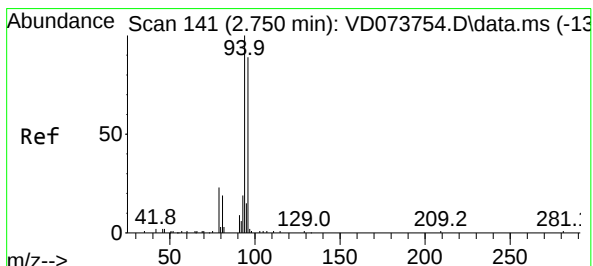
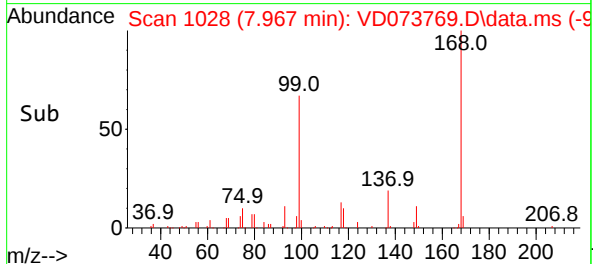
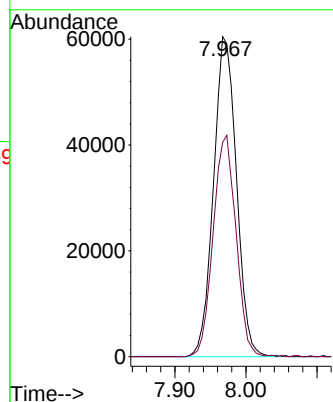
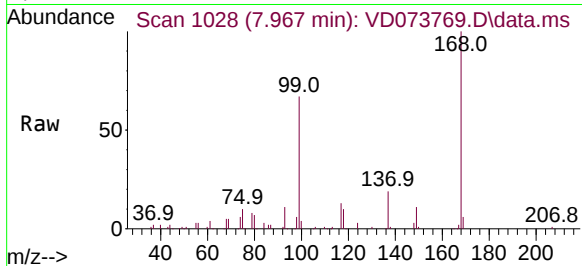




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

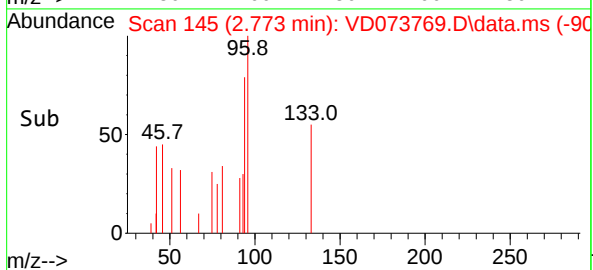
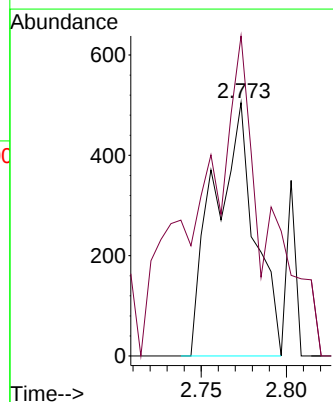
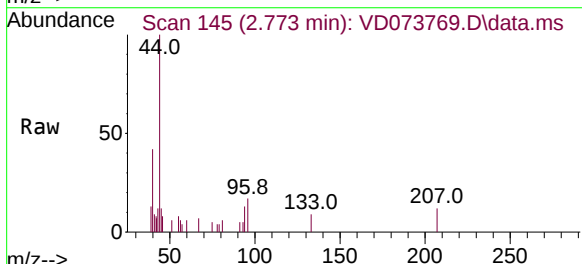
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

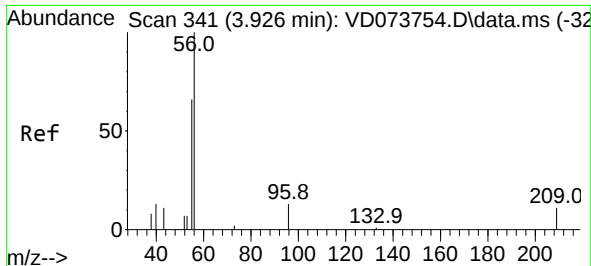
Tgt Ion:168 Resp: 135428
Ion Ratio Lower Upper
168 100
99 66.9 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.023 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 94 Resp: 837
Ion Ratio Lower Upper
94 100
96 77.0 75.1 112.7

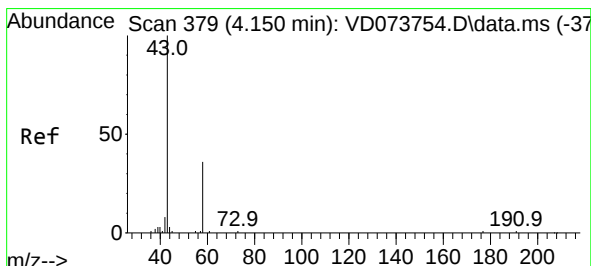
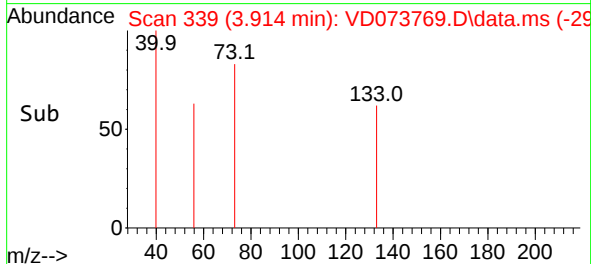
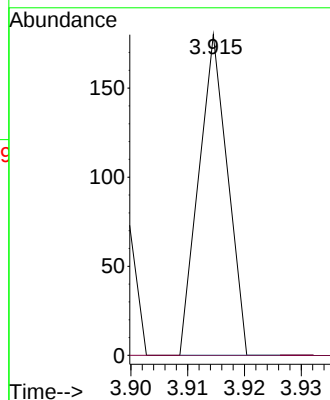
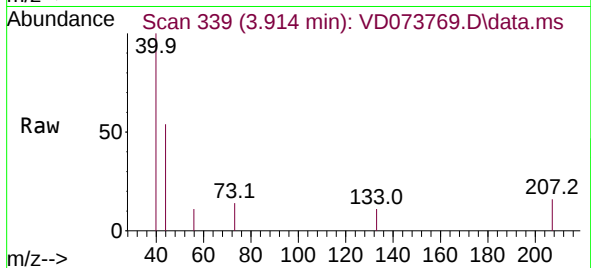




#13
Acrolein
Concen: 2.109 ug/l
RT: 3.914 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

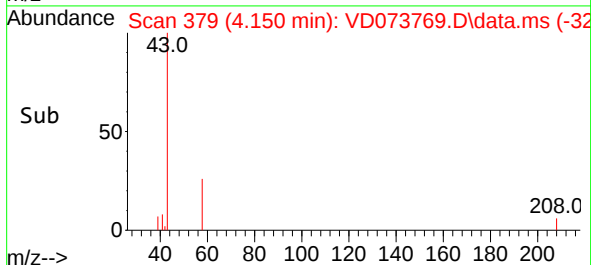
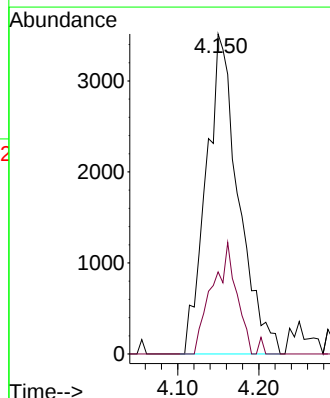
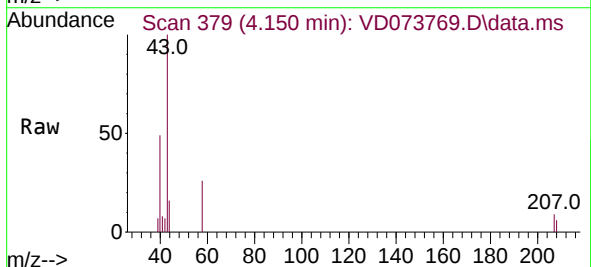
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

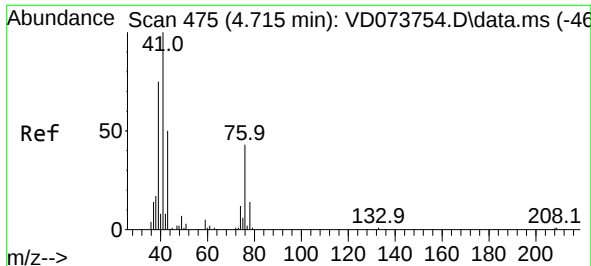
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 60.3 90.5#



#16
Acetone
Concen: 35.471 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 43 Resp: 9750
Ion Ratio Lower Upper
43 100
58 25.7 25.2 37.8

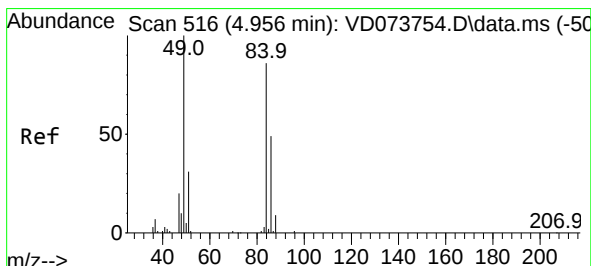
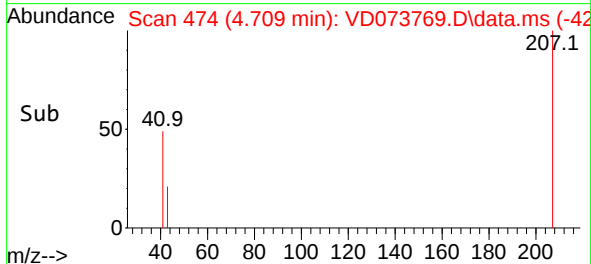
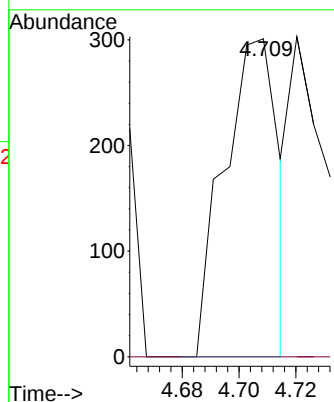
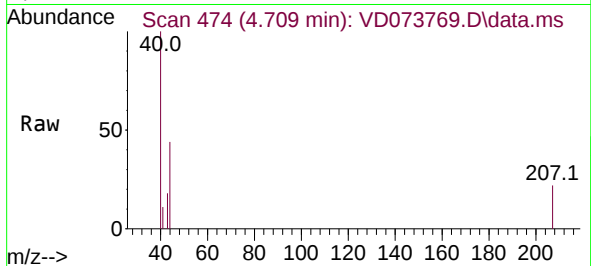




#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

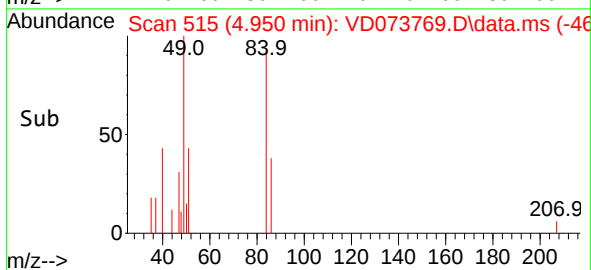
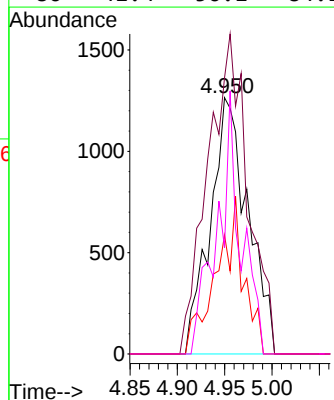
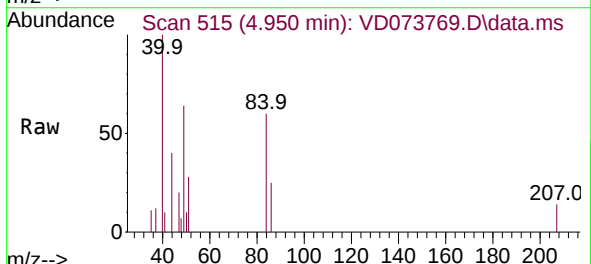
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

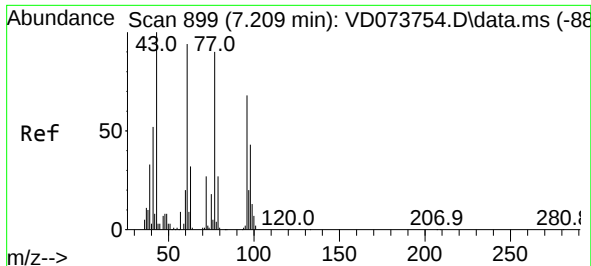
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 84 Resp: 3514
Ion Ratio Lower Upper
84 100
49 107.7 100.6 150.8
51 46.5 29.8 44.6#
86 41.4 56.1 84.1#

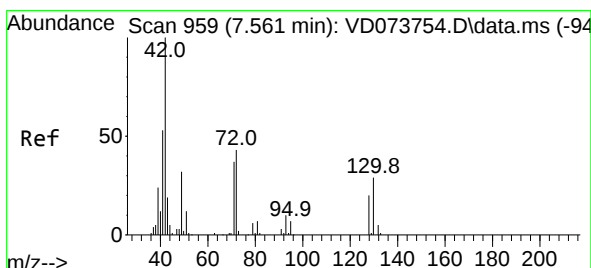
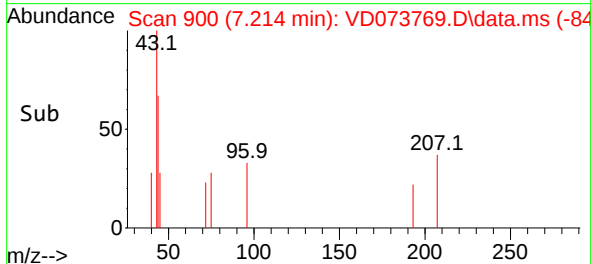
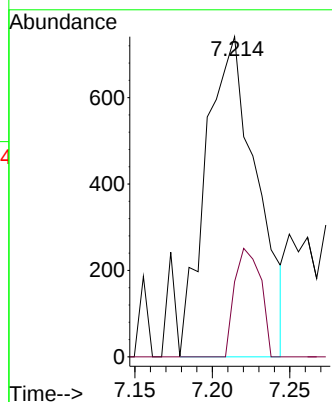
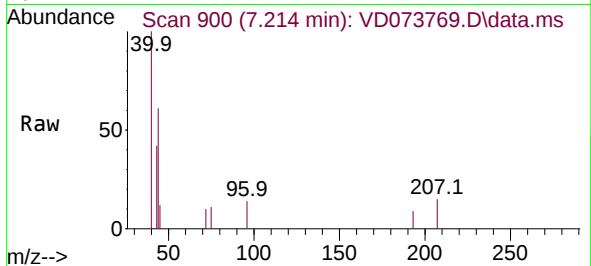




#25
2-Butanone
Concen: 3.731 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

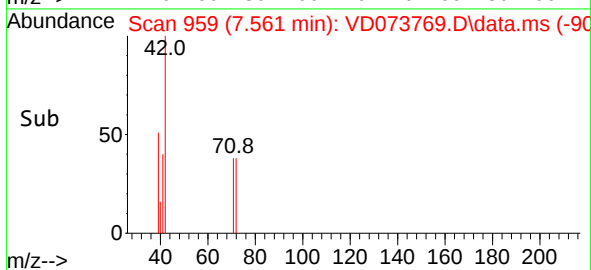
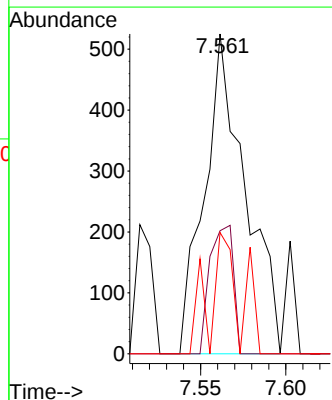
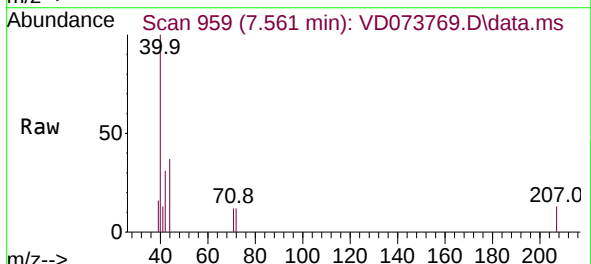
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

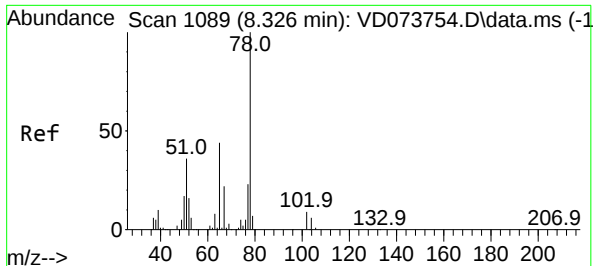
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
72 23.5 22.6 33.8



#29
Tetrahydrofuran
Concen: 3.081 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.000 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 42 Resp: 879
Ion Ratio Lower Upper
42 100
72 23.0 37.8 56.6#
71 28.1 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 55.724 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073769.D

Acq: 01 Jul 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

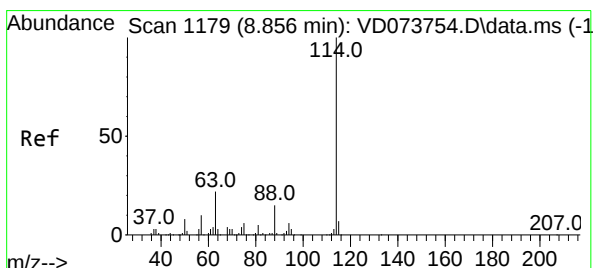
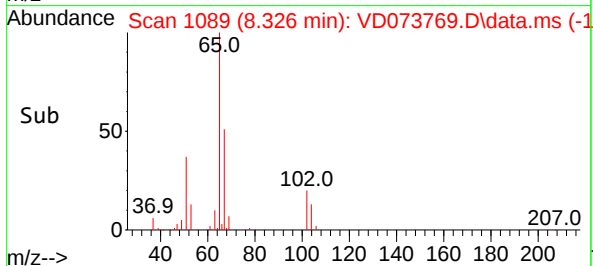
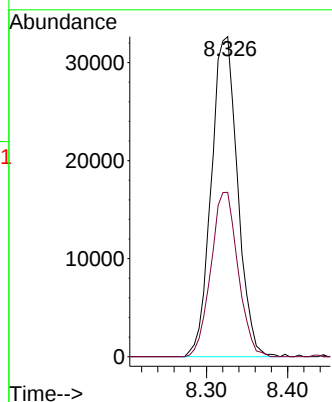
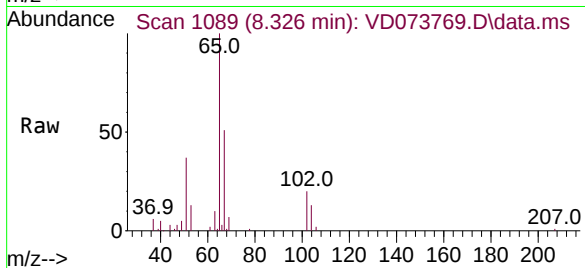
SB-9B

Tgt Ion: 65 Resp: 73619

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073769.D

Acq: 01 Jul 2022 17:38

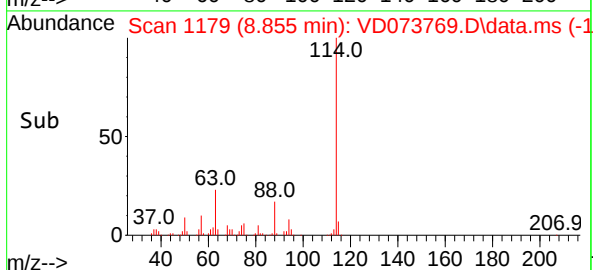
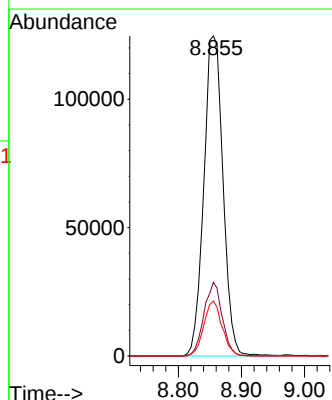
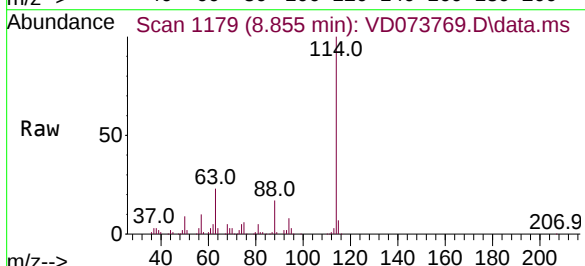
Tgt Ion: 114 Resp: 263452

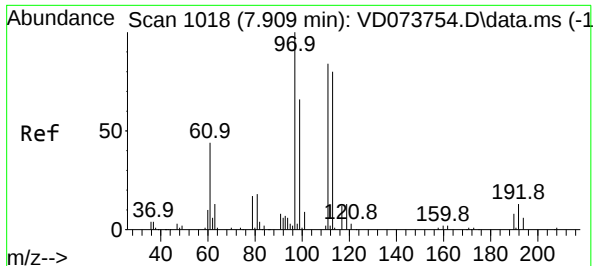
Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.2

88 17.2 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.141 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073769.D

Acq: 01 Jul 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

SB-9B

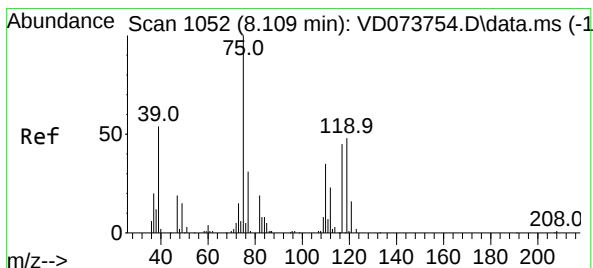
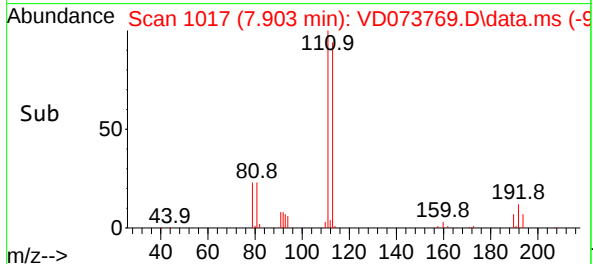
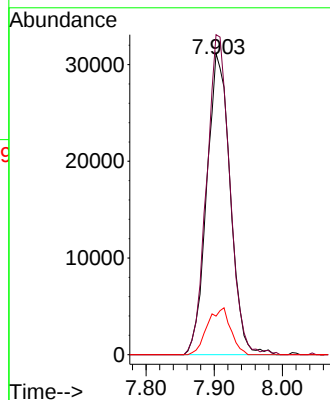
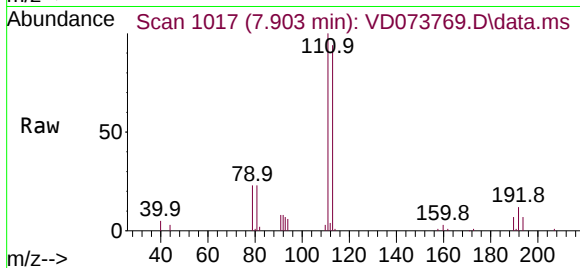
Tgt Ion:113 Resp: 74623

Ion Ratio Lower Upper

113 100

111 105.0 81.8 122.6

192 15.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.637 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073769.D

Acq: 01 Jul 2022 17:38

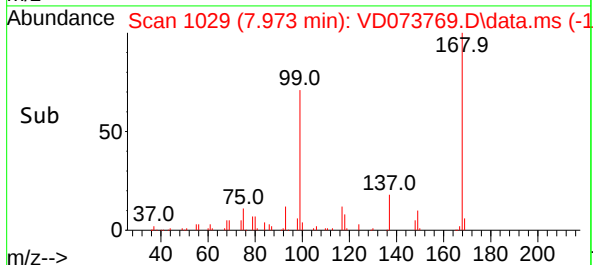
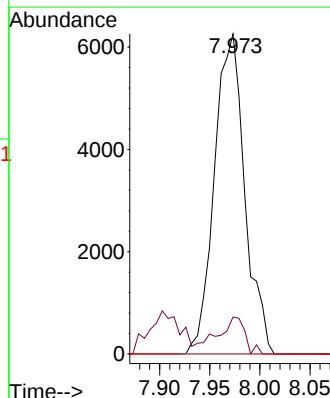
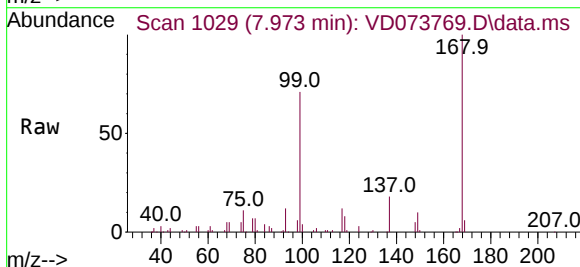
Tgt Ion: 75 Resp: 13189

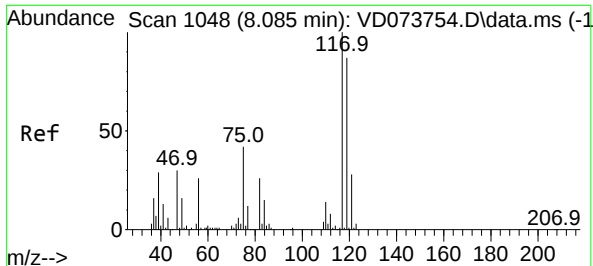
Ion Ratio Lower Upper

75 100

110 10.2 18.0 54.0#

77 0.0 25.6 38.4#

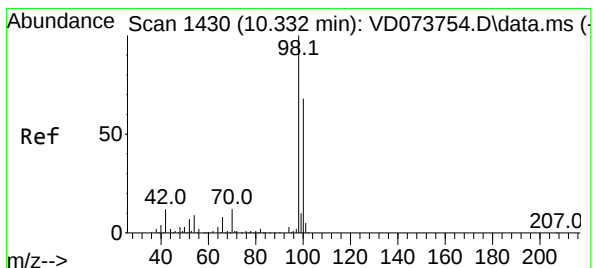
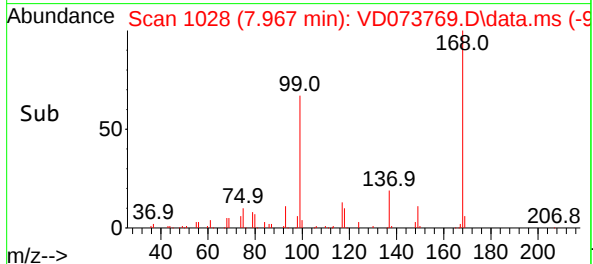
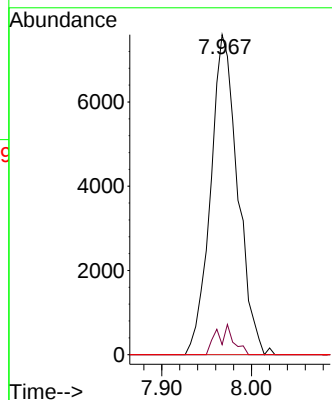
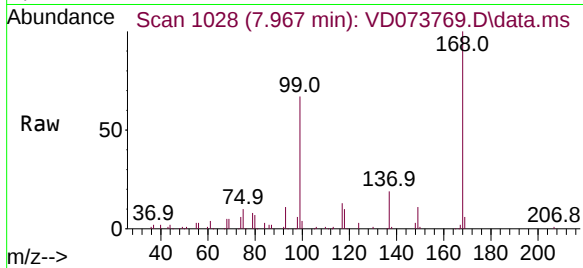




#38
Carbon Tetrachloride
Concen: 7.492 ug/l
RT: 7.967 min Scan# 1048
Delta R.T. -0.118 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

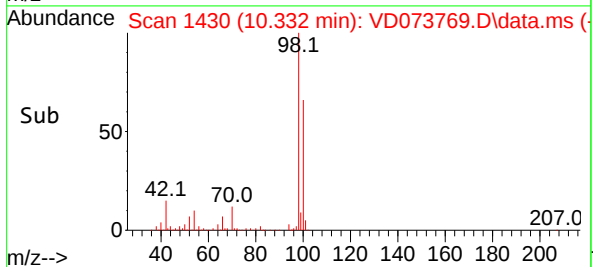
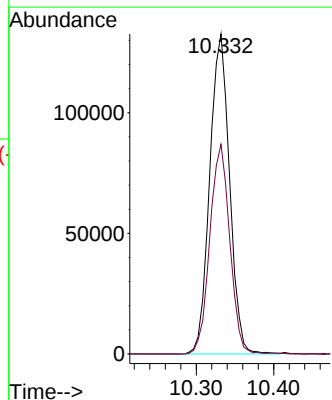
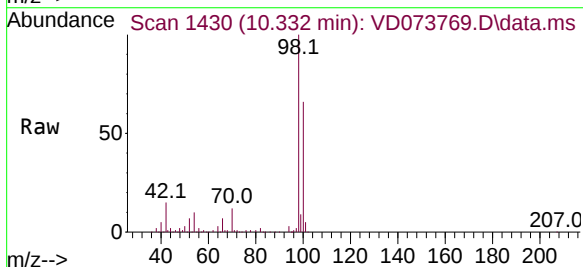
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

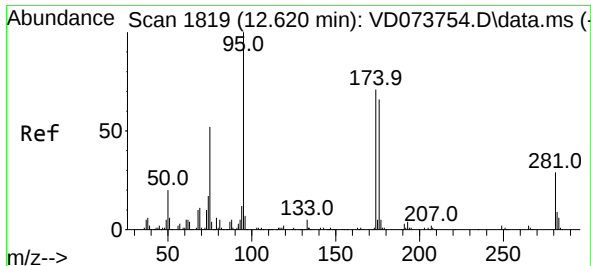
Tgt Ion:117 Resp: 15985
Ion Ratio Lower Upper
117 100
119 3.1 79.2 118.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 44.851 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 98 Resp: 235460
Ion Ratio Lower Upper
98 100
100 65.7 54.0 81.0

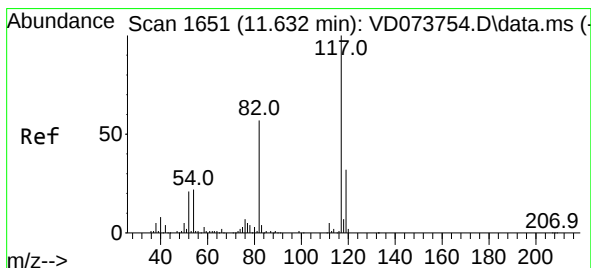
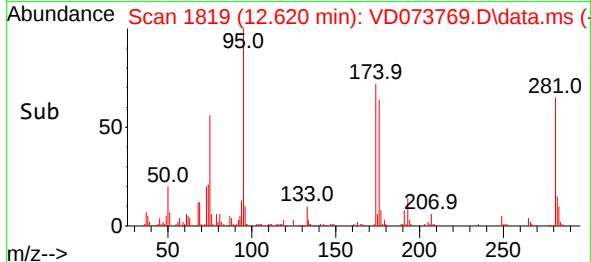
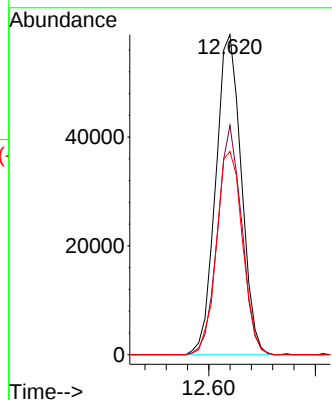
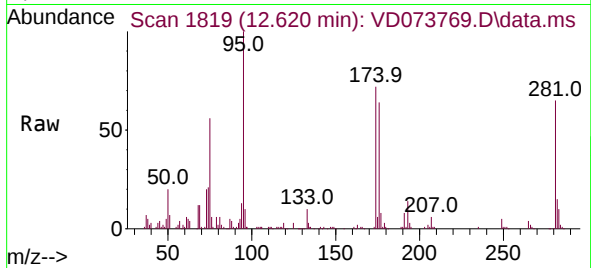




#62
4-Bromofluorobenzene
Concen: 47.315 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

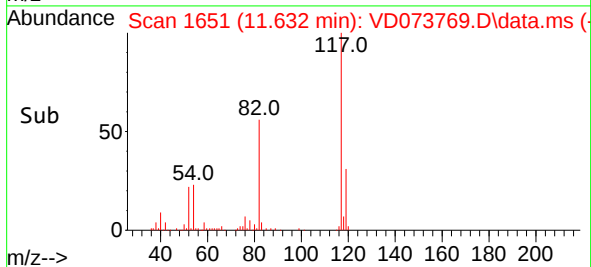
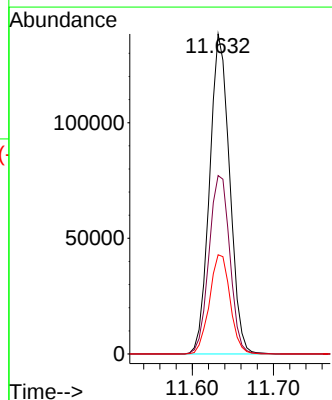
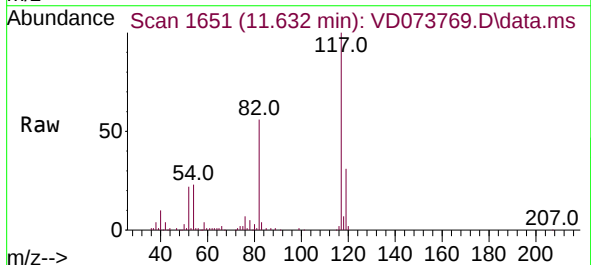
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

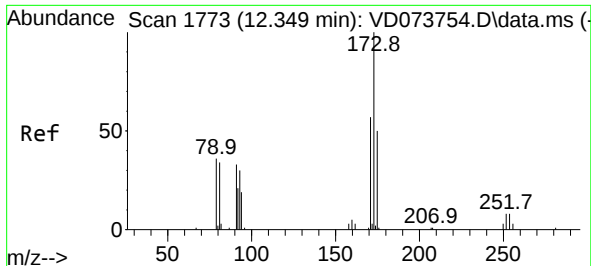
Tgt Ion: 95 Resp: 97972
Ion Ratio Lower Upper
95 100
174 67.6 0.0 158.4
176 65.0 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 117 Resp: 236865
Ion Ratio Lower Upper
117 100
82 55.8 41.5 62.3
119 31.0 27.1 40.7

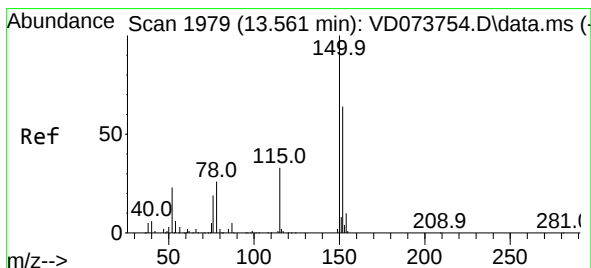
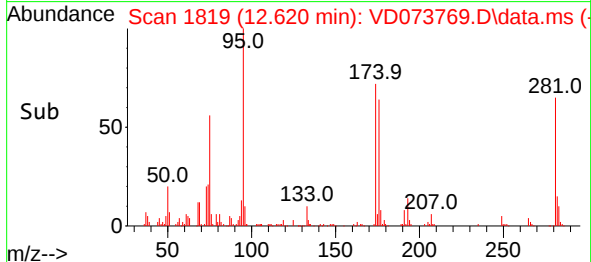
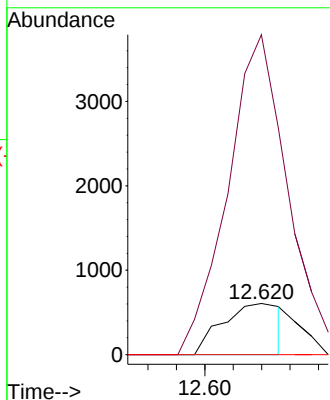
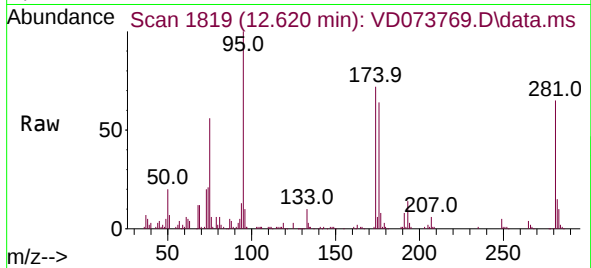




#71
Bromoform
Concen: 1.016 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

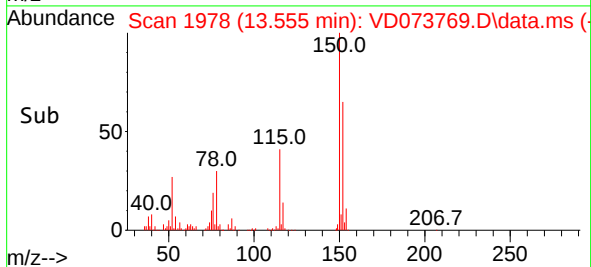
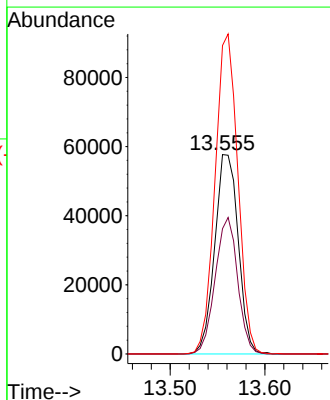
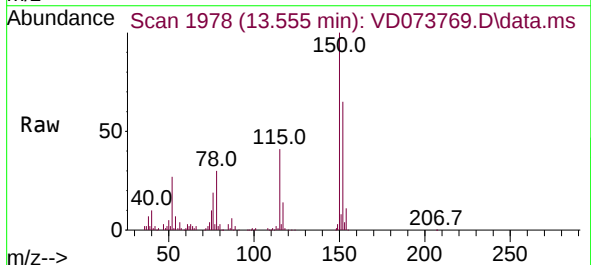
Instrument :
MSVOA_D
ClientSampleId :
SB-9B

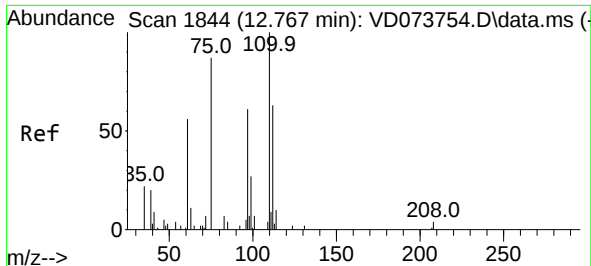
Tgt Ion:173 Resp: 873
Ion Ratio Lower Upper
173 100
175 533.2 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion:152 Resp: 99466
Ion Ratio Lower Upper
152 100
115 65.5 30.6 91.6
150 155.4 0.0 355.0

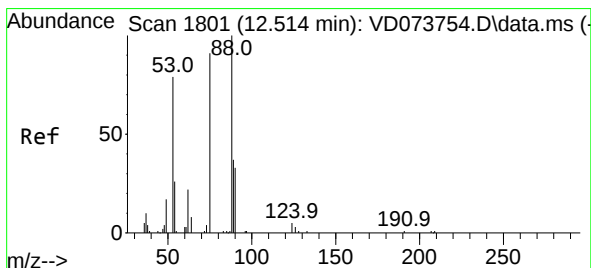
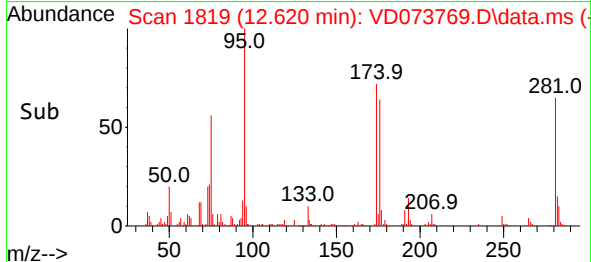
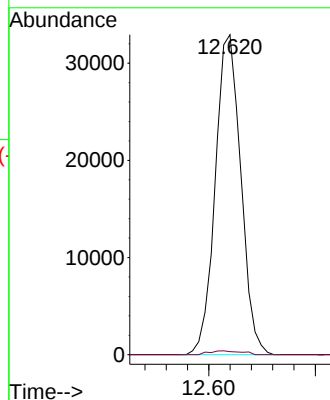
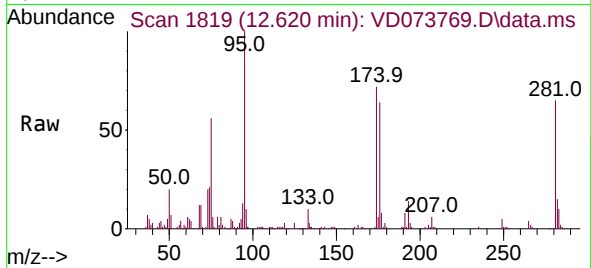




#76
1,2,3-Trichloropropane
Concen: 57.680 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Instrument :
MSVOA_D
ClientSampleId :
SB-9B

Tgt Ion: 75 Resp: 54828
Ion Ratio Lower Upper
75 100
77 1.5 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.271 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073769.D
Acq: 01 Jul 2022 17:38

Tgt Ion: 75 Resp: 54828
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 1.1 37.8 56.8#

