

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070122\
 Data File : VD073768.D
 Acq On : 01 Jul 2022 17:07
 Operator : VA/SY
 Sample : N3562-05
 Misc : 6.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9A

Quant Time: Jul 05 05:09:17 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)

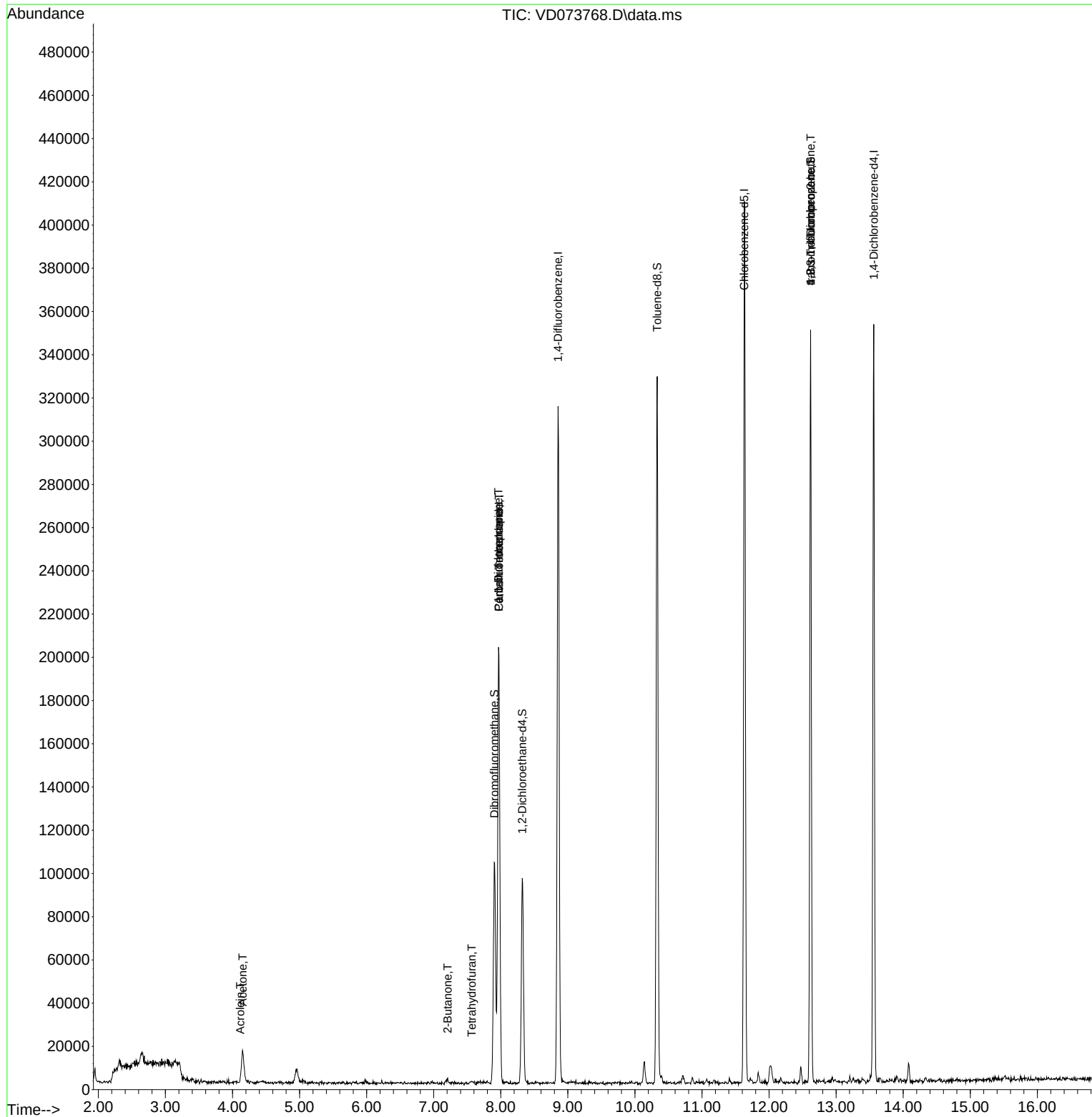
Internal Standards						
1) Pentafluorobenzene	7.973	168	138100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	264946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	229443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	83597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	73682	54.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.380%			
35) Dibromofluoromethane	7.902	113	73107	50.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.580%			
50) Toluene-d8	10.332	98	223368	42.307	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 84.620%			
62) 4-Bromofluorobenzene	12.620	95	86020	41.309	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.620%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.761	94	712	Below Cal	#	70
13) Acrolein	4.114	56	55	1.778	ug/l #	12
16) Acetone	4.150	43	25501	90.979	ug/l #	79
18) Methyl Acetate	4.720	43	546	Below Cal	#	50
20) Methylene Chloride	4.944	84	4667	Below Cal	#	84
25) 2-Butanone	7.208	43	2405	5.225	ug/l #	47
29) Tetrahydrofuran	7.567	42	1243	4.272	ug/l #	41
31) Cyclohexane	7.967	56	4014	Below Cal	#	31
36) 1,1-Dichloropropene	7.967	75	12837	6.424	ug/l #	50
38) Carbon Tetrachloride	7.973	117	16041	7.476	ug/l #	14
76) 1,2,3-Trichloropropane	12.620	75	46729	58.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	46729	112.837	ug/l #	11

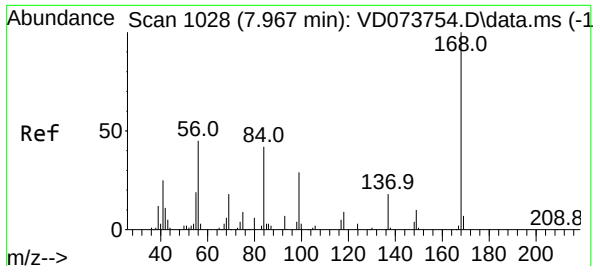
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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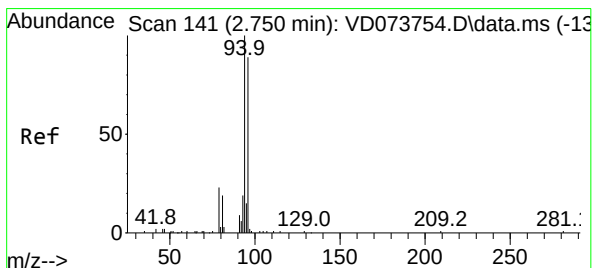
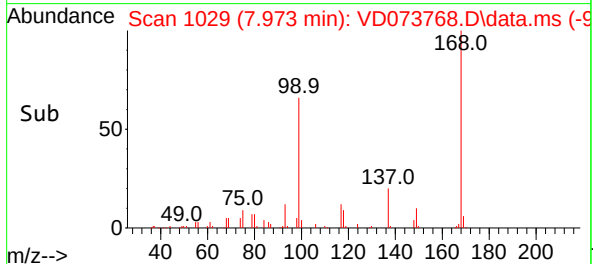
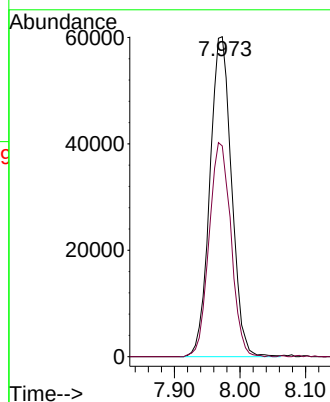
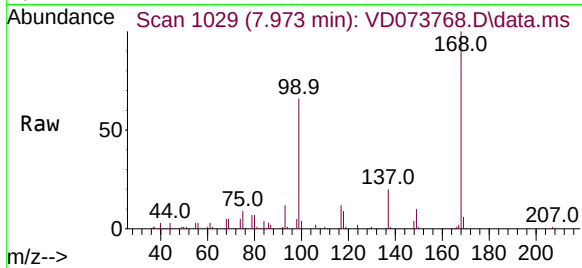




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

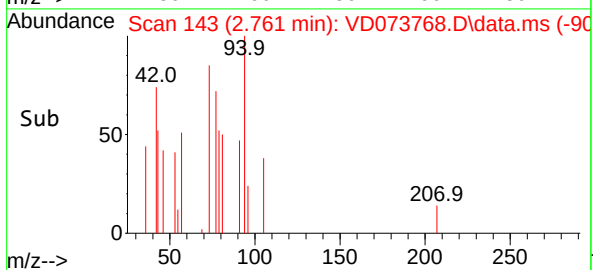
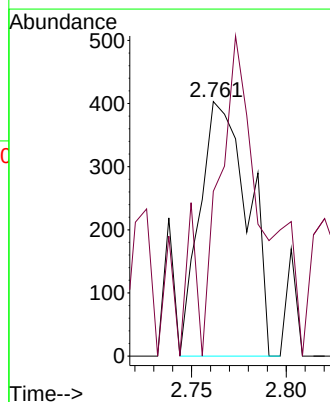
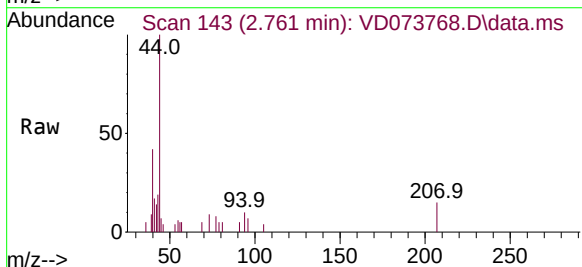
Instrument :
MSVOA_D
ClientSampleId :
SB-9A

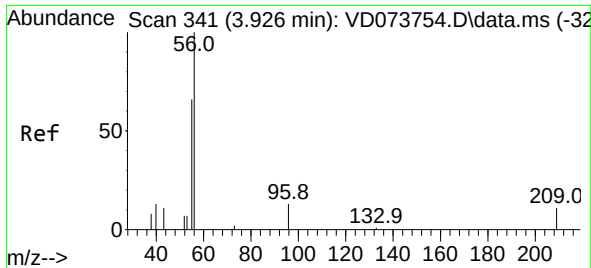
Tgt Ion:168 Resp: 138100
Ion Ratio Lower Upper
168 100
99 65.8 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 2.761 min Scan# 143
Delta R.T. 0.011 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

Tgt Ion: 94 Resp: 712
Ion Ratio Lower Upper
94 100
96 64.8 75.1 112.7#

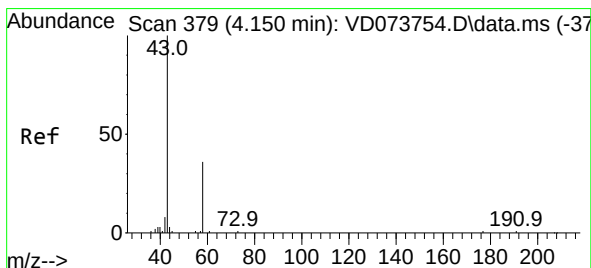
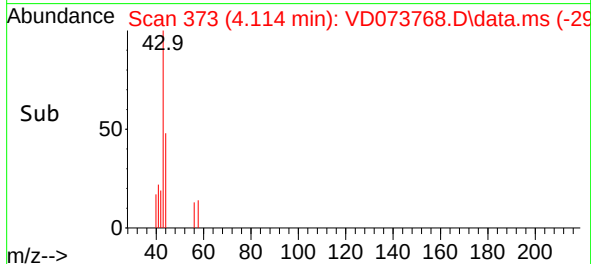
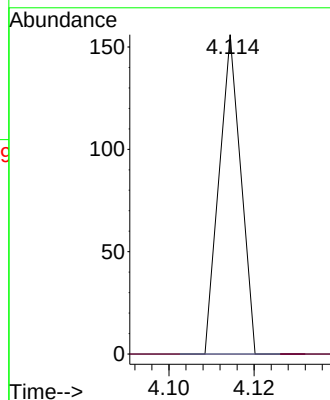
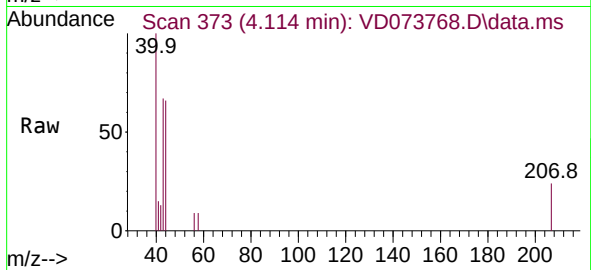




#13
Acrolein
Concen: 1.778 ug/l
RT: 4.114 min Scan# 31
Delta R.T. 0.188 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

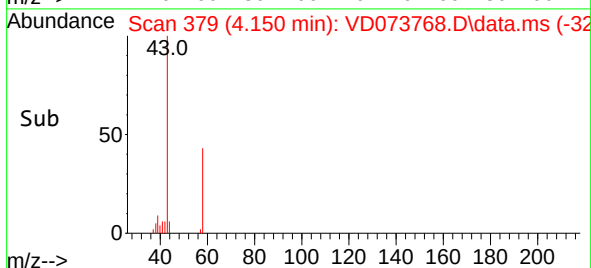
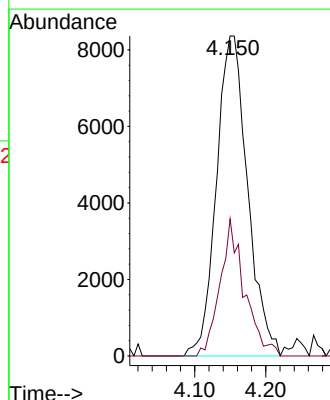
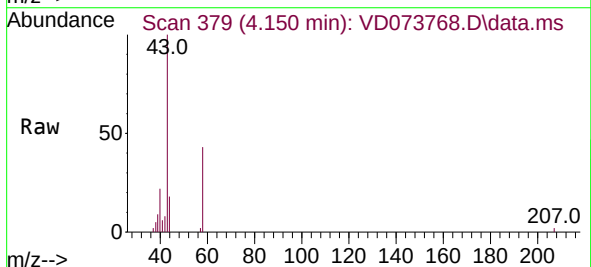
Instrument :
MSVOA_D
ClientSampleId :
SB-9A

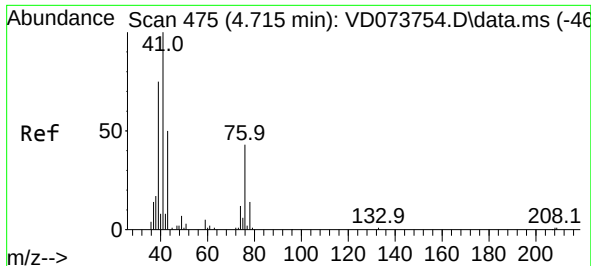
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 60.3 90.5#



#16
Acetone
Concen: 90.979 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

Tgt Ion: 43 Resp: 25501
Ion Ratio Lower Upper
43 100
58 42.9 25.2 37.8#

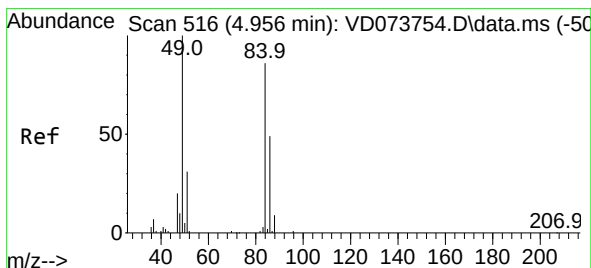
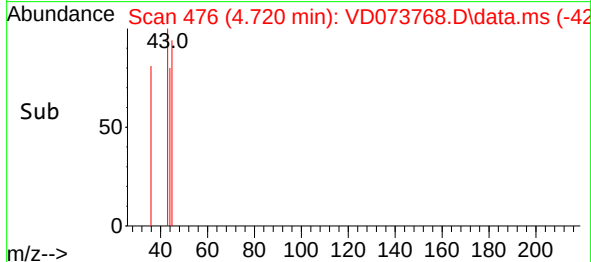
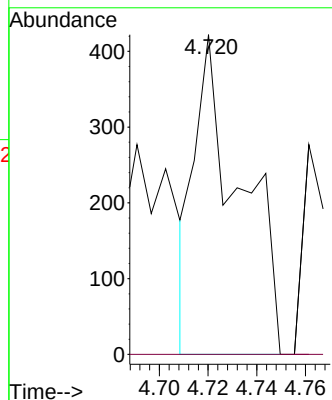
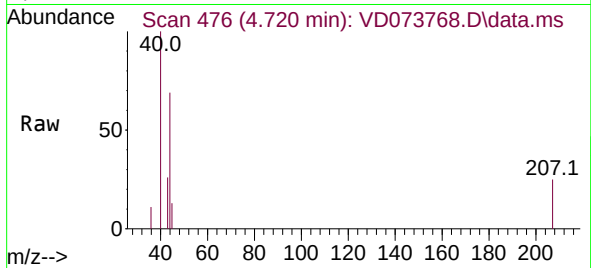




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

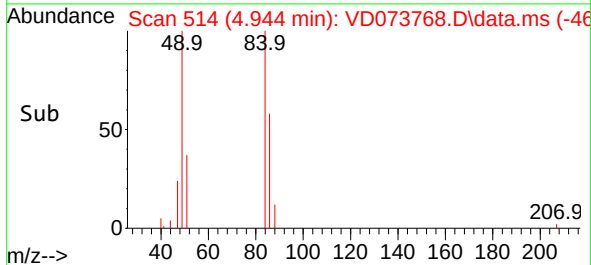
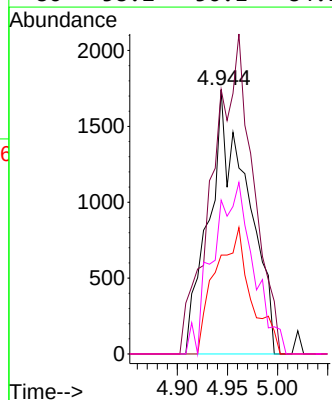
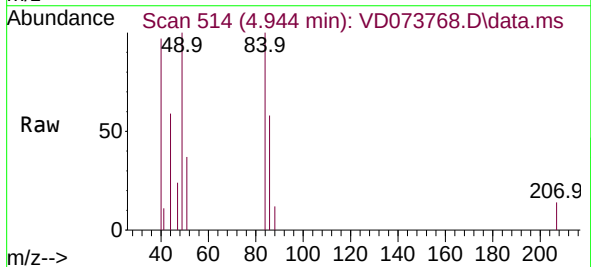
Instrument :
MSVOA_D
ClientSampleId :
SB-9A

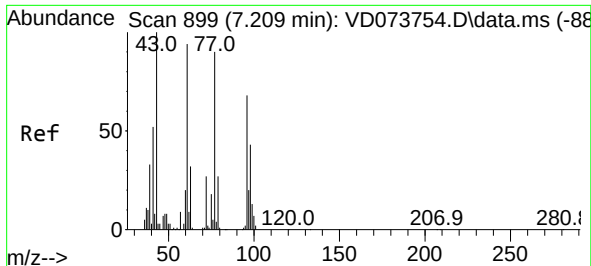
Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.012 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

Tgt Ion: 84 Resp: 4667
Ion Ratio Lower Upper
84 100
49 100.1 100.6 150.8#
51 37.4 29.8 44.6
86 58.2 56.1 84.1





#25

2-Butanone

Concen: 5.225 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

Lab File: VD073768.D

Acq: 01 Jul 2022 17:07

Instrument :

MSVOA_D

ClientSampleId :

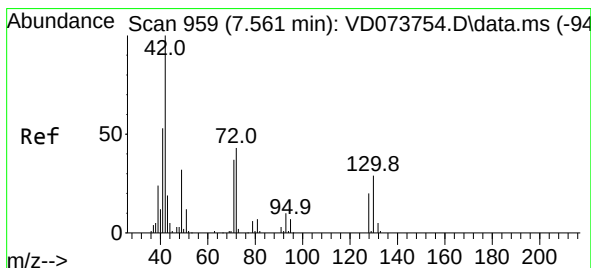
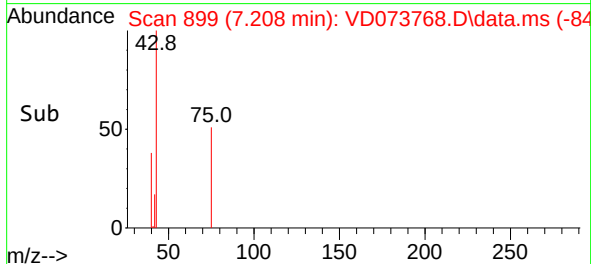
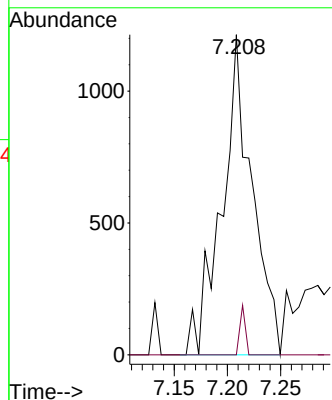
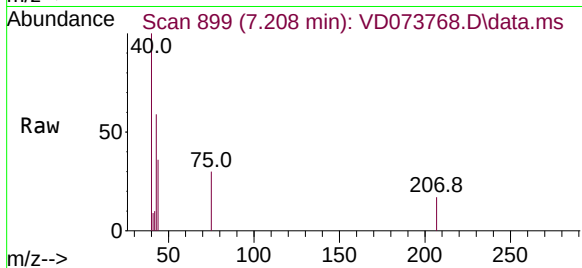
SB-9A

Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

43 100

72 0.0 22.6 33.8#



#29

Tetrahydrofuran

Concen: 4.272 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

Lab File: VD073768.D

Acq: 01 Jul 2022 17:07

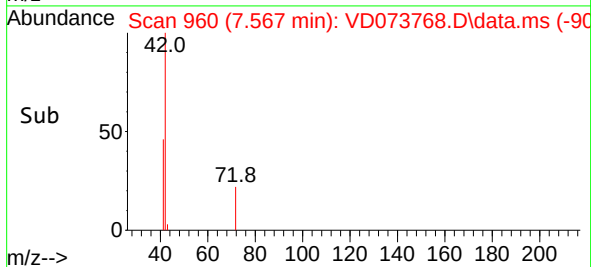
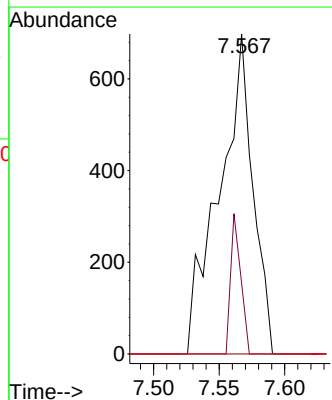
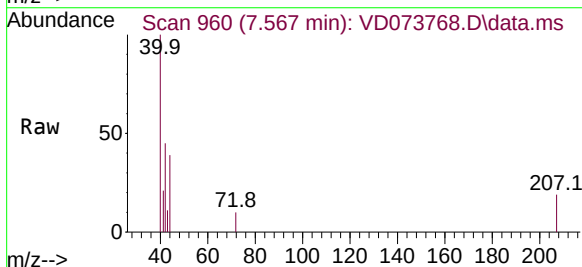
Tgt Ion: 42 Resp: 1243

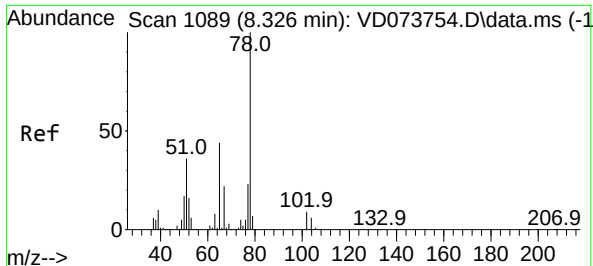
Ion Ratio Lower Upper

42 100

72 13.0 37.8 56.6#

71 0.0 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 54.692 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073768.D

Acq: 01 Jul 2022 17:07

Instrument :

MSVOA_D

ClientSampleId :

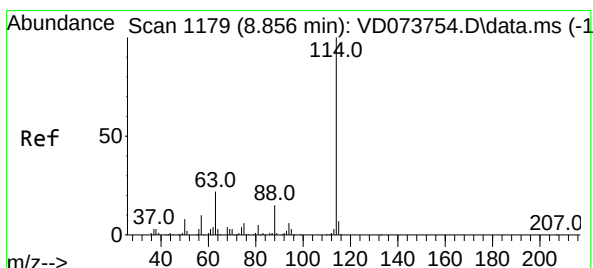
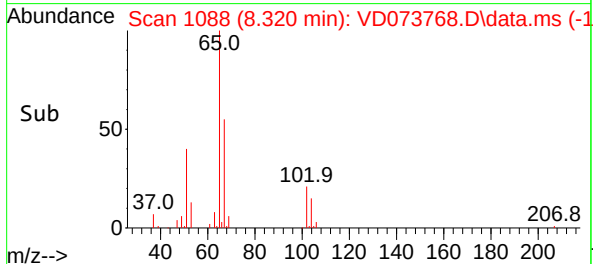
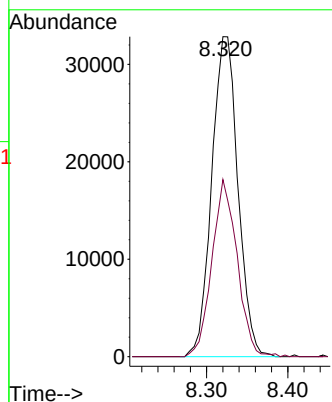
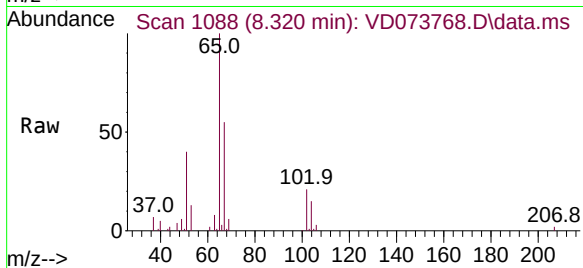
SB-9A

Tgt Ion: 65 Resp: 73682

Ion Ratio Lower Upper

65 100

67 53.3 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: VD073768.D

Acq: 01 Jul 2022 17:07

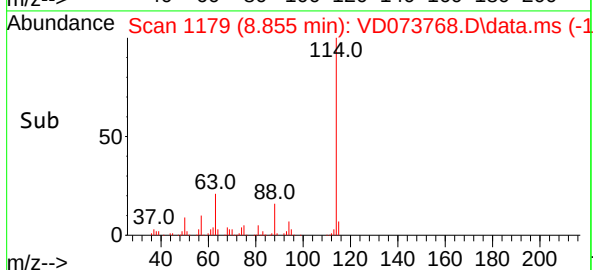
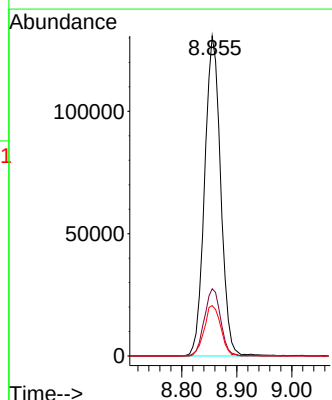
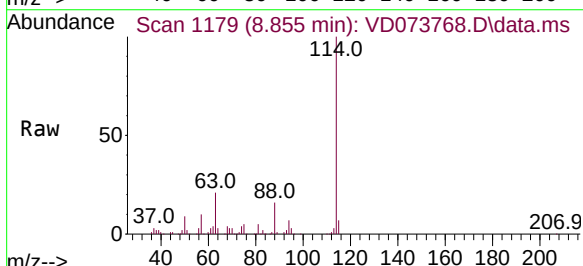
Tgt Ion: 114 Resp: 264946

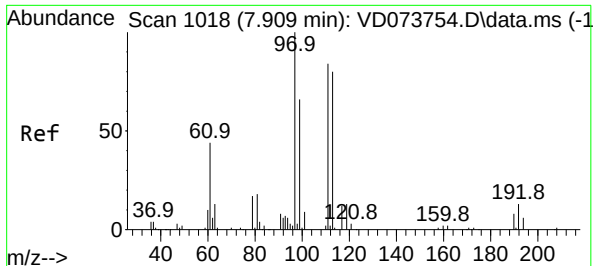
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.2

88 15.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.794 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073768.D

Acq: 01 Jul 2022 17:07

Instrument :

MSVOA_D

ClientSampleId :

SB-9A

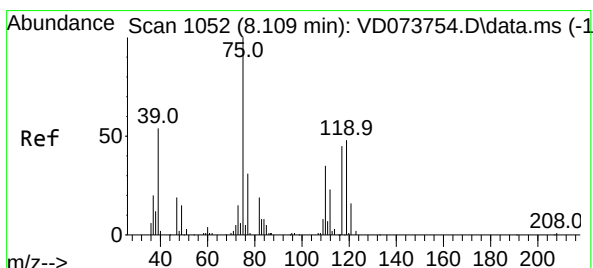
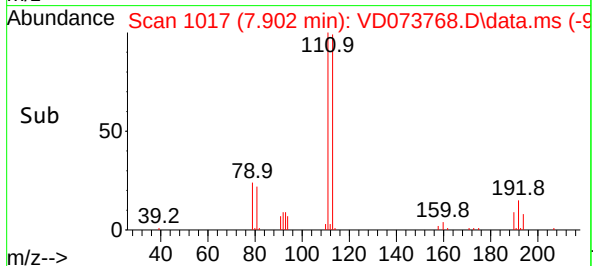
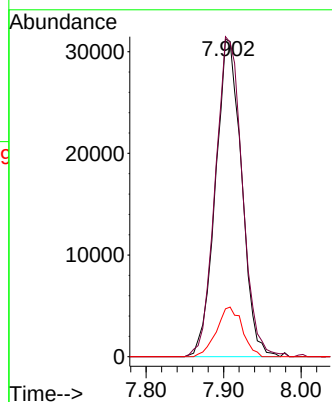
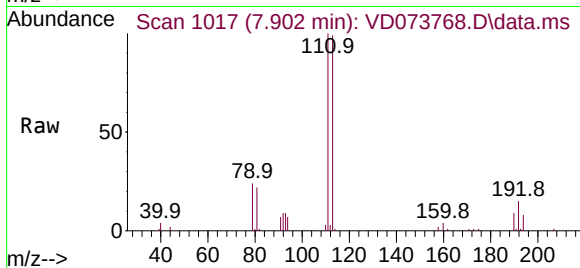
Tgt Ion:113 Resp: 73107

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.6

192 15.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.424 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073768.D

Acq: 01 Jul 2022 17:07

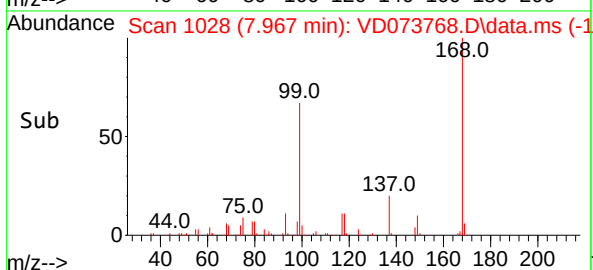
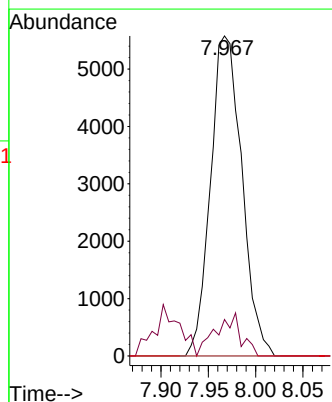
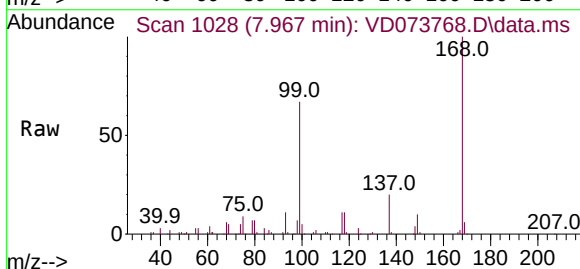
Tgt Ion: 75 Resp: 12837

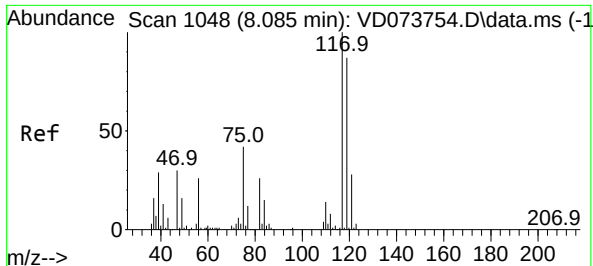
Ion Ratio Lower Upper

75 100

110 10.8 18.0 54.0#

77 0.0 25.6 38.4#

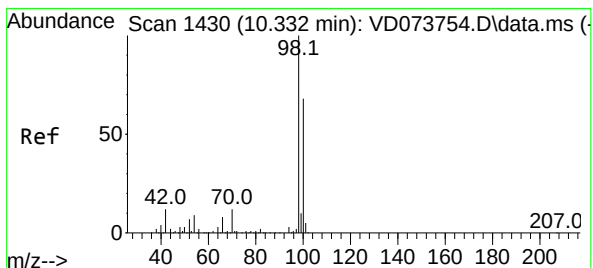
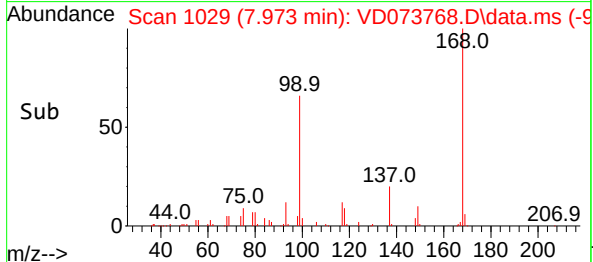
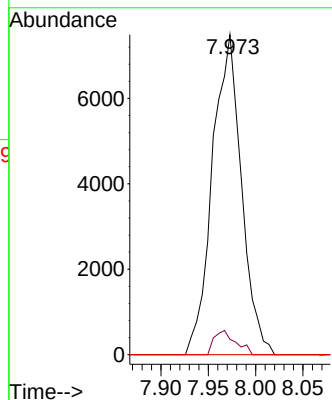
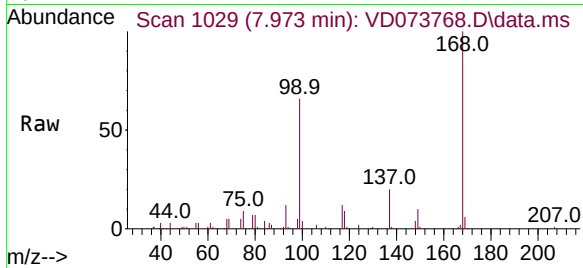




#38
Carbon Tetrachloride
Concen: 7.476 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.112 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

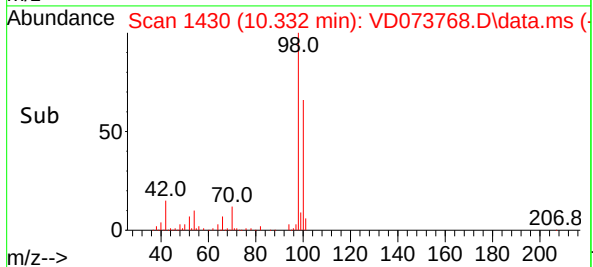
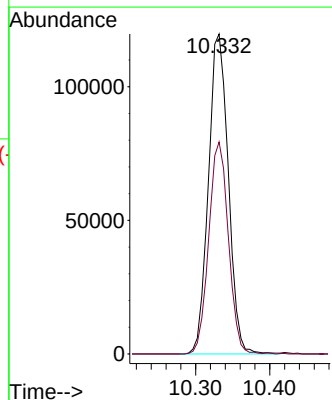
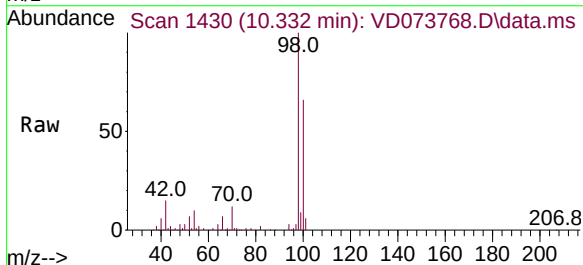
Instrument :
MSVOA_D
ClientSampleId :
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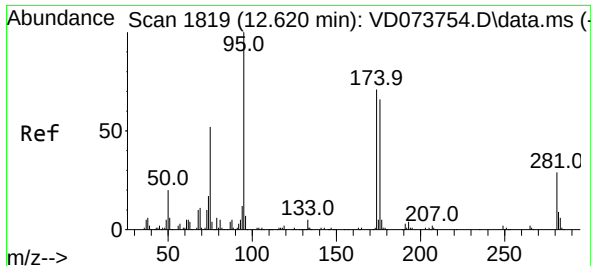
Tgt Ion:117 Resp: 16041
Ion Ratio Lower Upper
117 100
119 4.8 79.2 118.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 42.307 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

Tgt Ion: 98 Resp: 223368
Ion Ratio Lower Upper
98 100
100 65.4 54.0 81.0

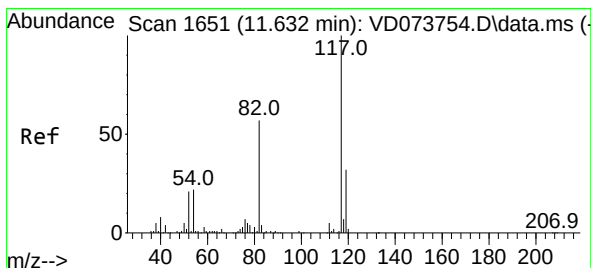
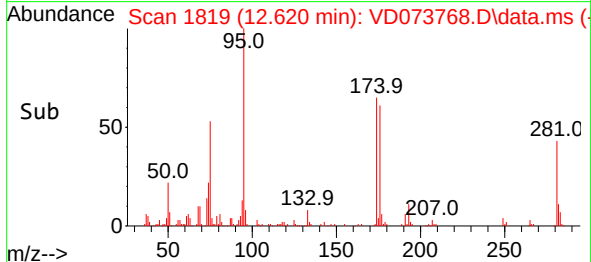
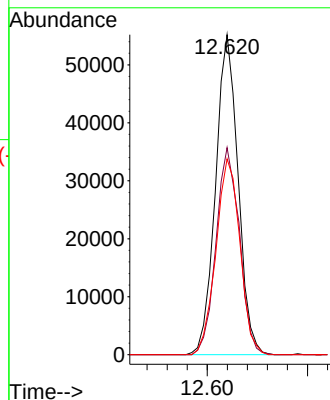
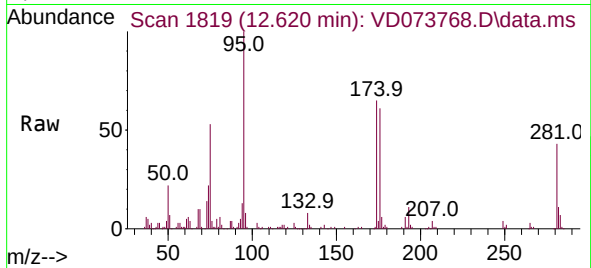




#62
4-Bromofluorobenzene
Concen: 41.309 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

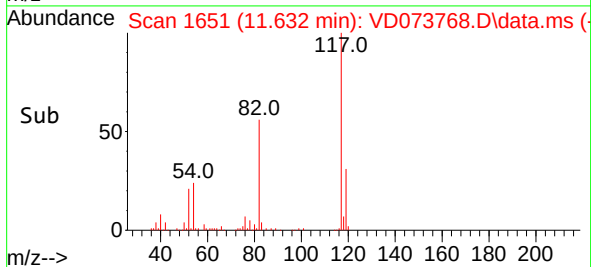
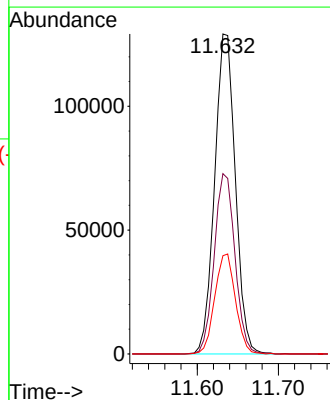
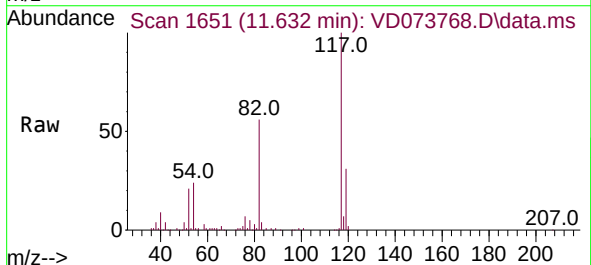
Instrument :
MSVOA_D
ClientSampleId :
SB-9A

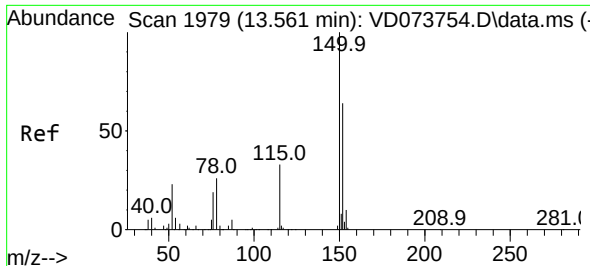
Tgt Ion: 95 Resp: 86020
Ion Ratio Lower Upper
95 100
174 67.0 0.0 158.4
176 65.0 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073768.D
Acq: 01 Jul 2022 17:07

Tgt Ion: 117 Resp: 229443
Ion Ratio Lower Upper
117 100
82 56.4 41.5 62.3
119 30.7 27.1 40.7

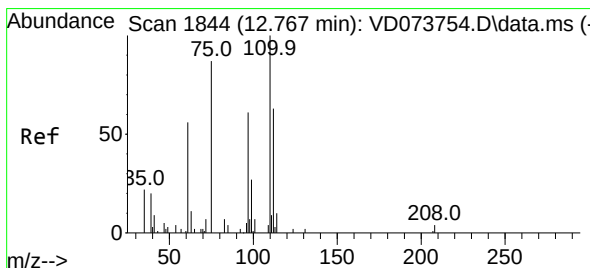
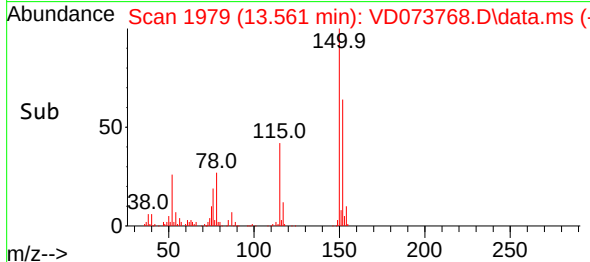
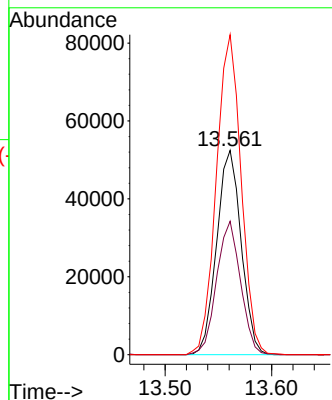
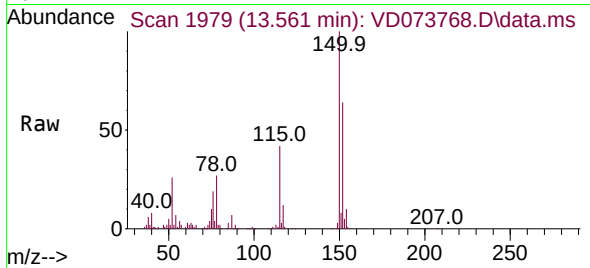




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073768.D
 Acq: 01 Jul 2022 17:07

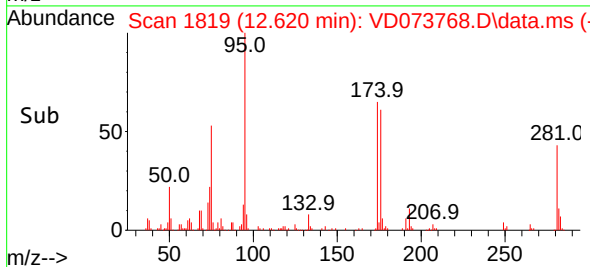
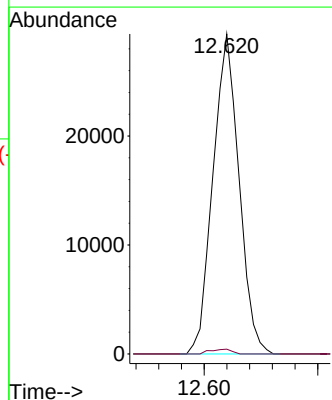
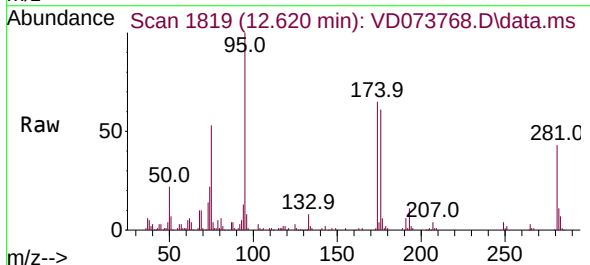
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9A

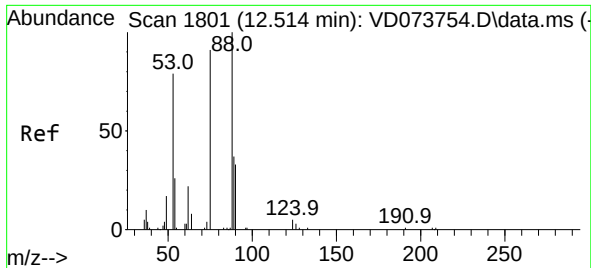
Tgt Ion:152 Resp: 83597
 Ion Ratio Lower Upper
 152 100
 115 64.0 30.6 91.6
 150 158.8 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 58.491 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073768.D
 Acq: 01 Jul 2022 17:07

Tgt Ion: 75 Resp: 46729
 Ion Ratio Lower Upper
 75 100
 77 1.2 195.3 586.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.837 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073768.D
 Acq: 01 Jul 2022 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9A

Tgt Ion: 75 Resp: 46729
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.0 115.6#
 89 0.7 37.8 56.8#

