

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073567.D
 Acq On : 14 Jun 2022 14:05
 Operator : VA/SY
 Sample : N3287-01
 Misc : 4.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1

Quant Time: Jun 15 01:36:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

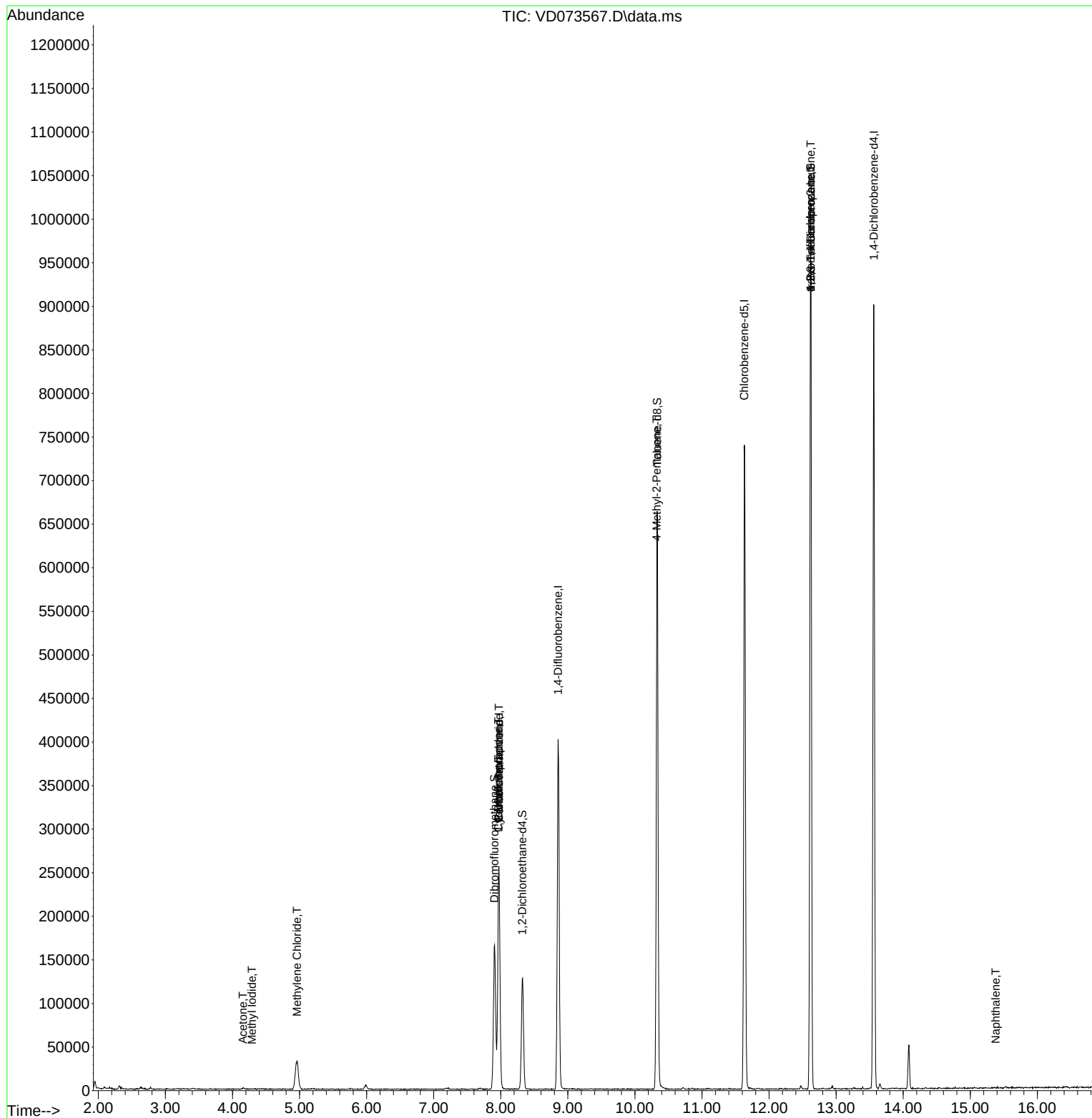
Internal Standards						
1) Pentafluorobenzene	7.973	168	185800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	344755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	441415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	241176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	104885	52.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.200%	
35) Dibromofluoromethane	7.902	113	117611	53.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.100%	
50) Toluene-d8	10.332	98	446677	53.291	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.580%	
62) 4-Bromofluorobenzene	12.620	95	228610	75.130	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 150.260%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	173	4.242	ug/l #	60
11) Tert butyl alcohol	5.185	59	515	Below Cal	#	74
16) Acetone	4.156	43	1694	4.825	ug/l	92
20) Methylene Chloride	4.961	84	26822	9.550	ug/l	88
31) Cyclohexane	7.967	56	4599	1.369	ug/l #	13
36) 1,1-Dichloropropene	7.967	75	14960	4.493	ug/l #	52
38) Carbon Tetrachloride	7.973	117	20343	5.840	ug/l #	18
51) 4-Methyl-2-Pentanone	10.326	43	1720	1.314	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	120457	51.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	120457	120.675	ug/l #	8
95) Naphthalene	15.378	128	388	4.244	ug/l #	70

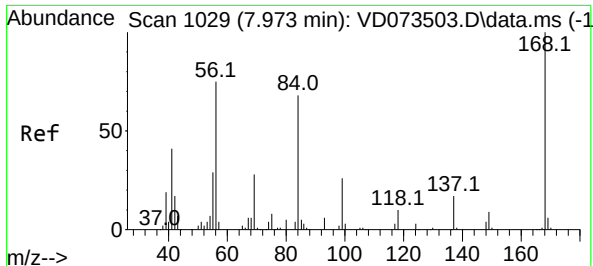
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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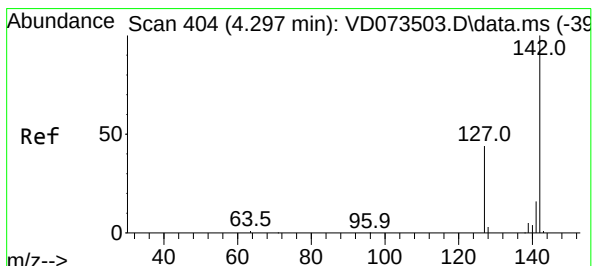
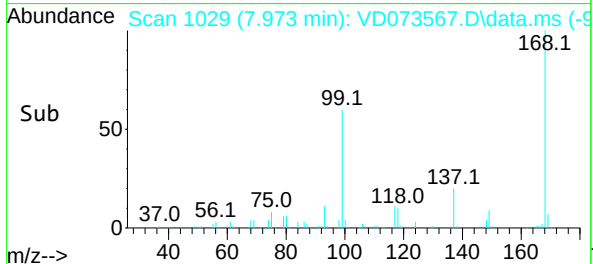
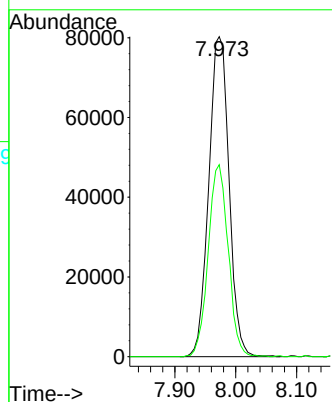
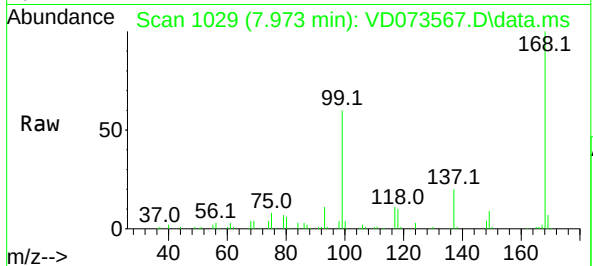




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

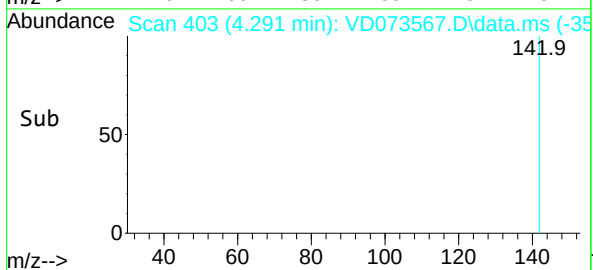
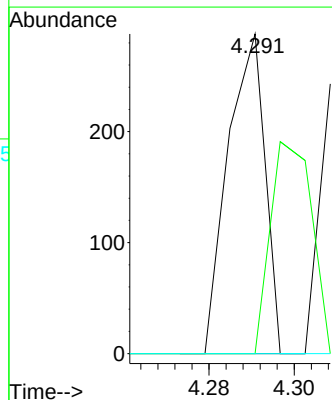
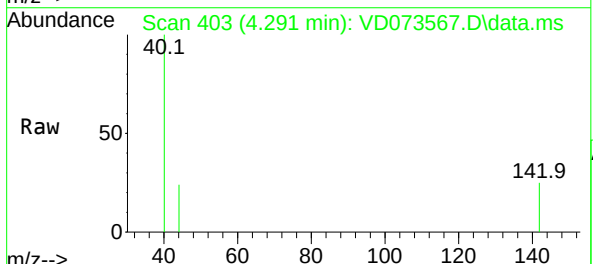
Instrument :
MSVOA_D
ClientSampleId :
SB-1

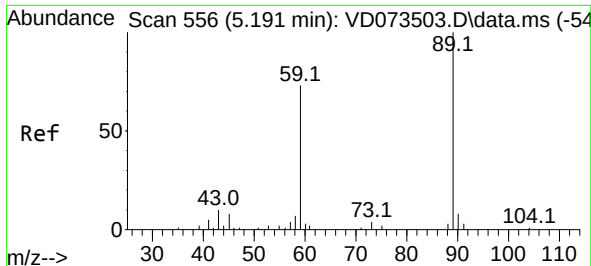
Tgt Ion:168 Resp: 185800
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#10
Methyl Iodide
Concen: 4.242 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

Tgt Ion:142 Resp: 173
Ion Ratio Lower Upper
142 100
127 74.6 37.3 55.9#
141 0.0 11.7 17.5#

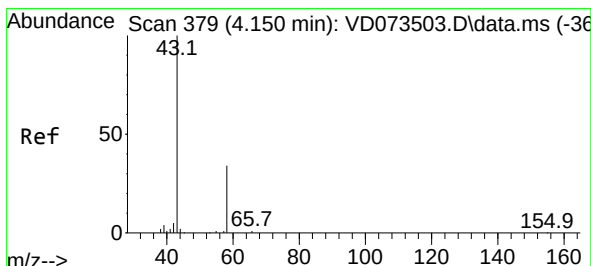
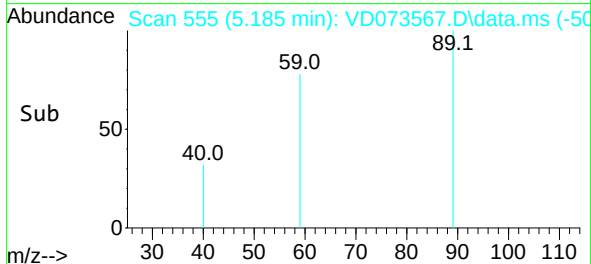
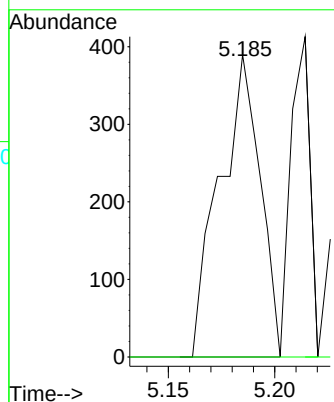
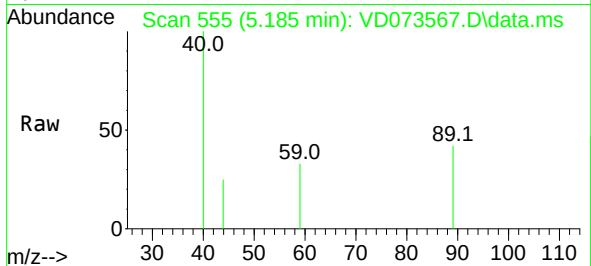




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

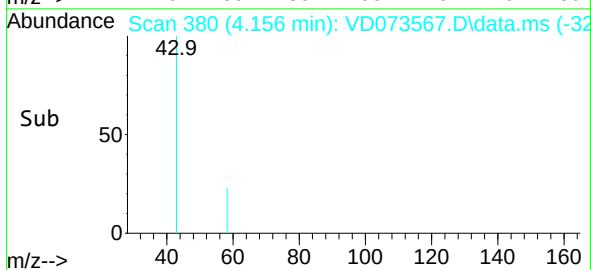
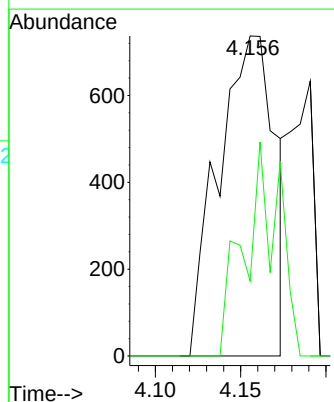
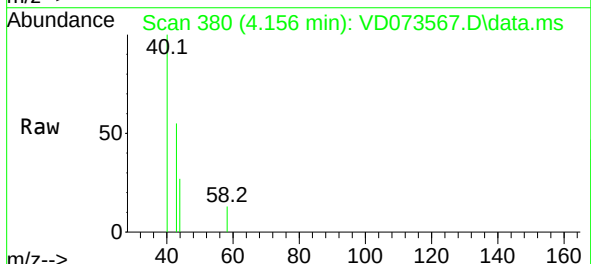
Instrument : MSVOA_D
ClientSampleId : SB-1

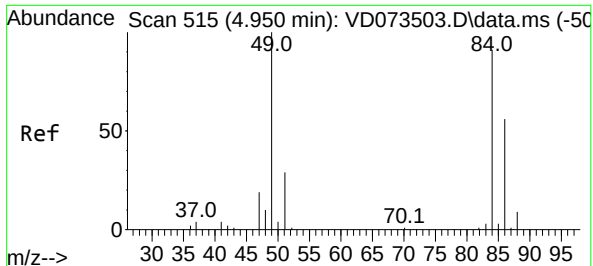
Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 4.825 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 23.5 22.1 33.1





#20

Methylene Chloride

Concen: 9.550 ug/l

RT: 4.961 min Scan# 51

Delta R.T. 0.011 min

Lab File: VD073567.D

Acq: 14 Jun 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

SB-1

Tgt Ion: 84 Resp: 26822

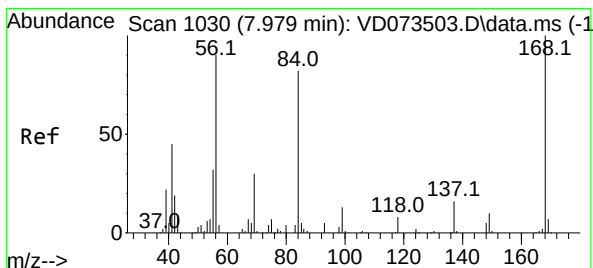
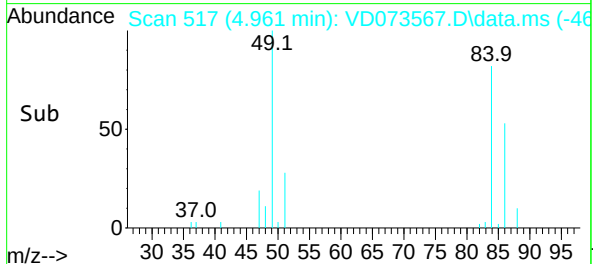
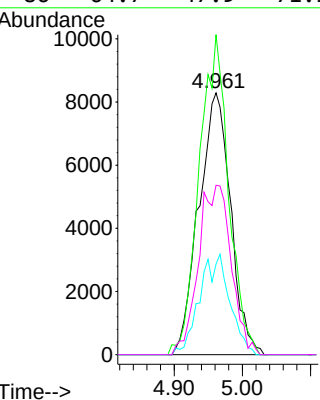
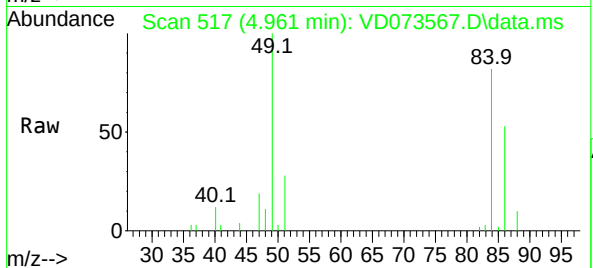
Ion Ratio Lower Upper

84 100

49 122.2 112.8 169.2

51 34.6 32.6 48.8

86 64.7 47.9 71.9



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073567.D

Acq: 14 Jun 2022 14:05

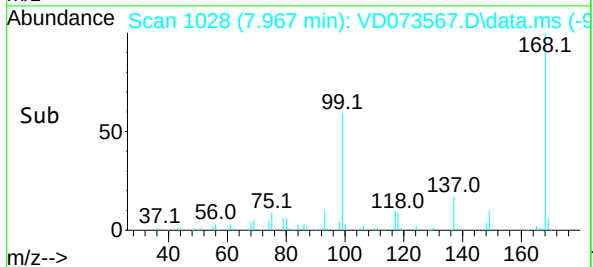
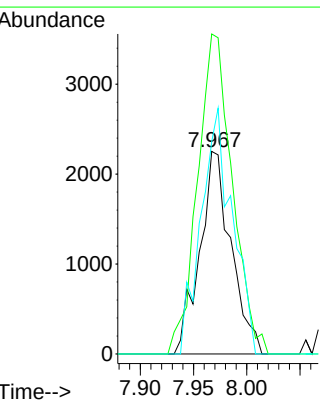
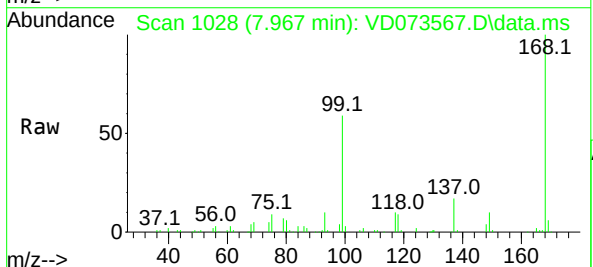
Tgt Ion: 56 Resp: 4599

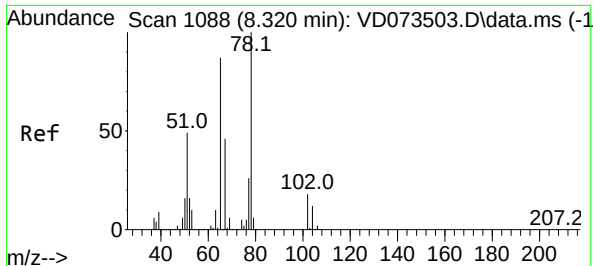
Ion Ratio Lower Upper

56 100

69 158.0 25.4 38.2#

84 104.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.603 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073567.D

Acq: 14 Jun 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

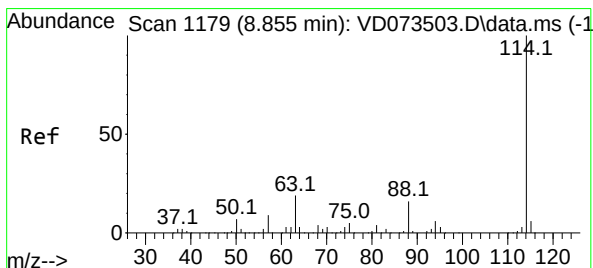
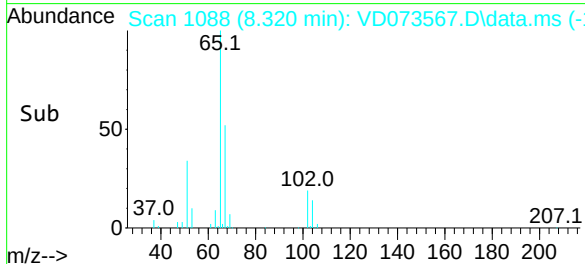
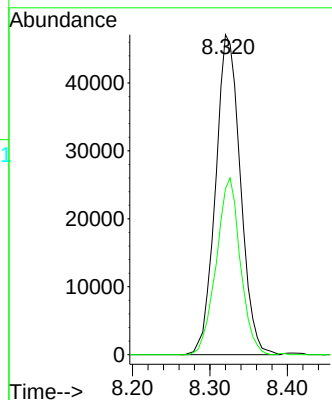
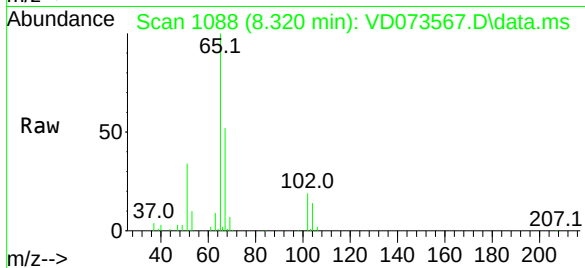
SB-1

Tgt Ion: 65 Resp: 104885

Ion Ratio Lower Upper

65 100

67 53.4 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: VD073567.D

Acq: 14 Jun 2022 14:05

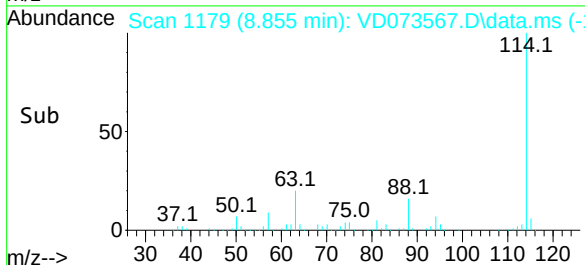
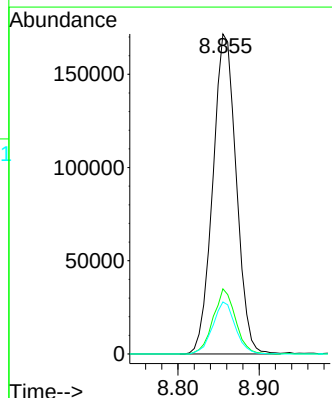
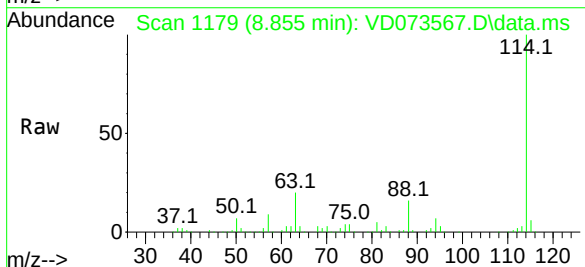
Tgt Ion: 114 Resp: 344755

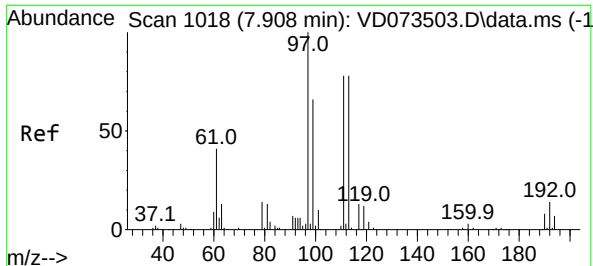
Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.052 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073567.D

Acq: 14 Jun 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

SB-1

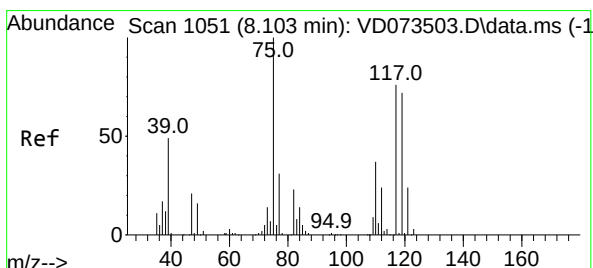
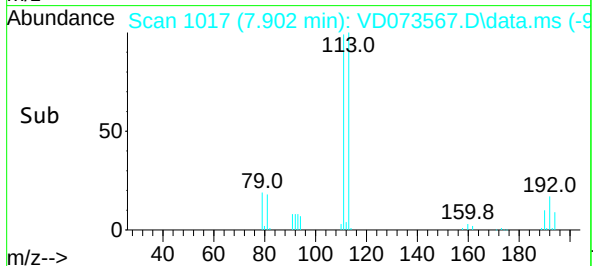
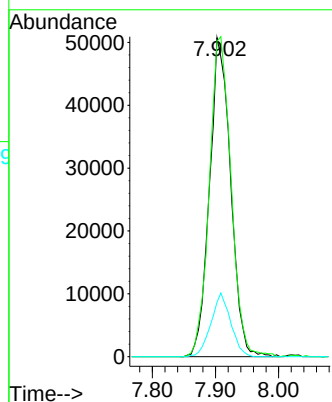
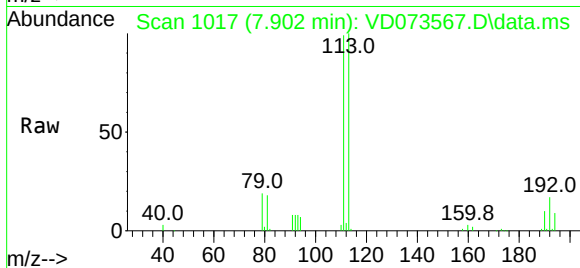
Tgt Ion:113 Resp: 117611

Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.493 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073567.D

Acq: 14 Jun 2022 14:05

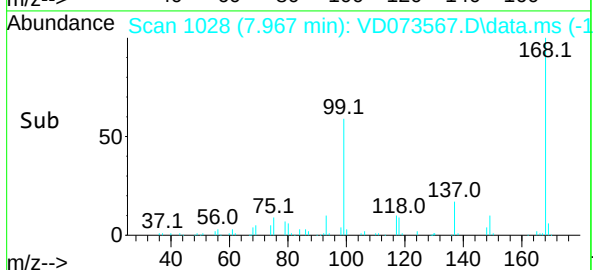
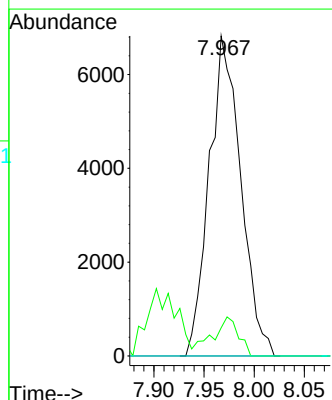
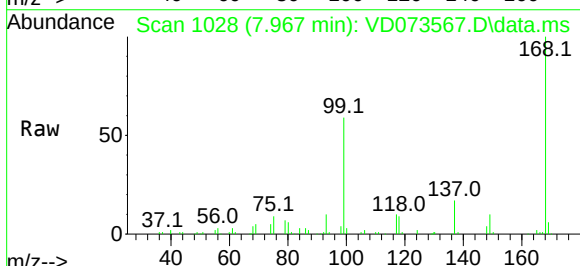
Tgt Ion: 75 Resp: 14960

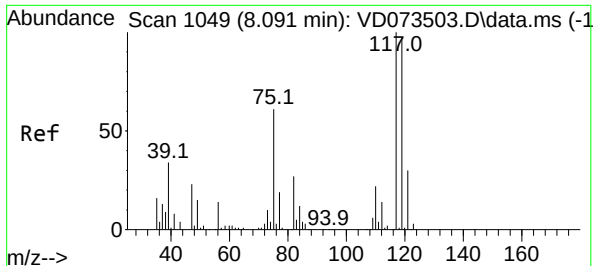
Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073567.D

Acq: 14 Jun 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

SB-1

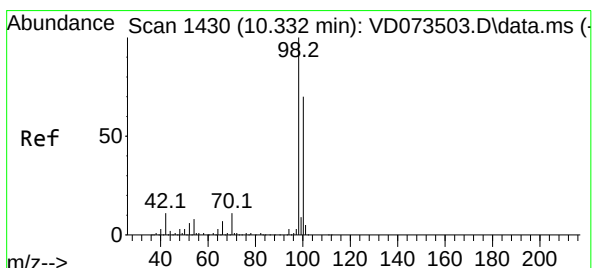
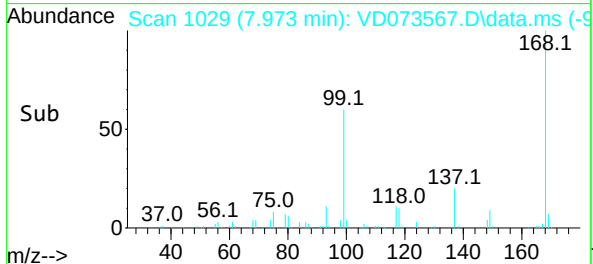
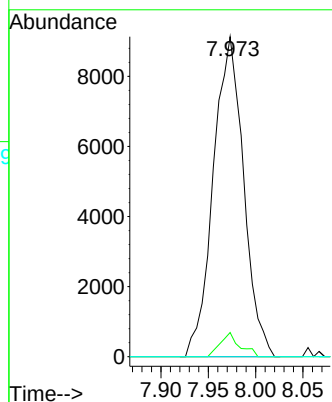
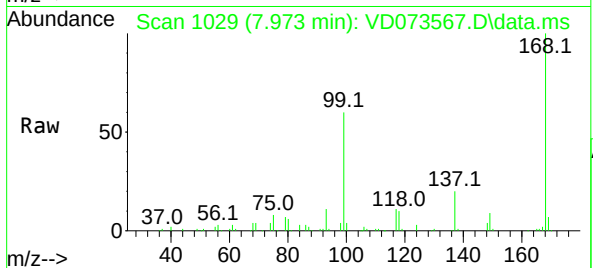
Tgt Ion:117 Resp: 20343

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 53.291 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073567.D

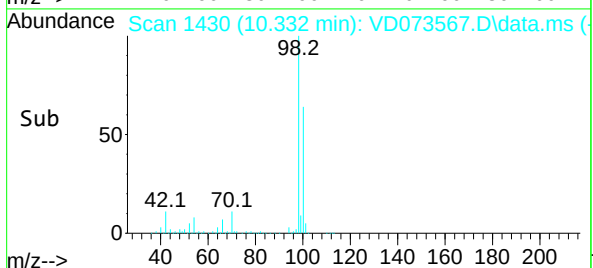
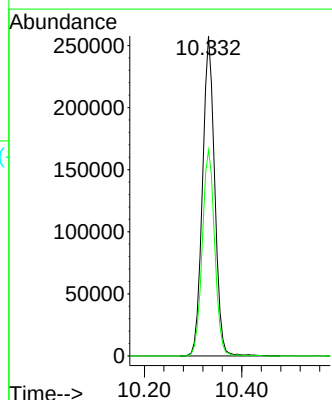
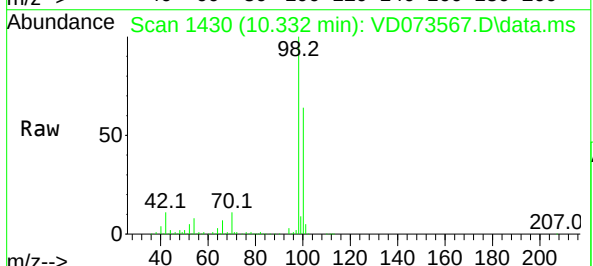
Acq: 14 Jun 2022 14:05

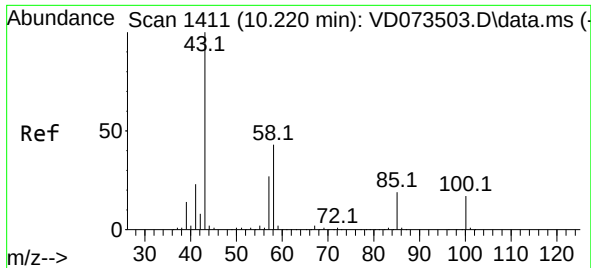
Tgt Ion: 98 Resp: 446677

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6

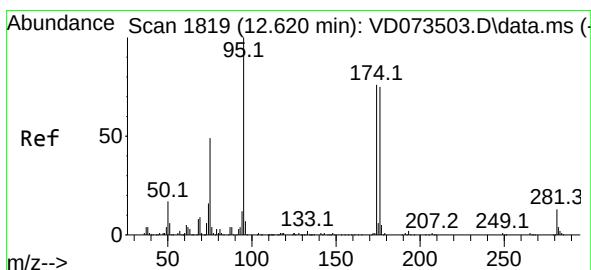
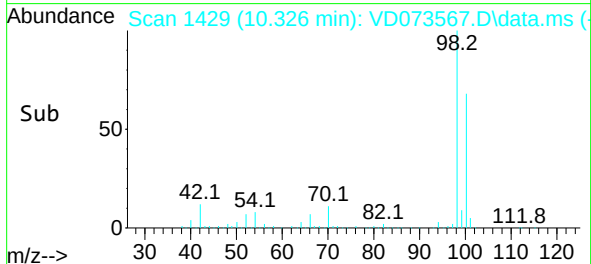
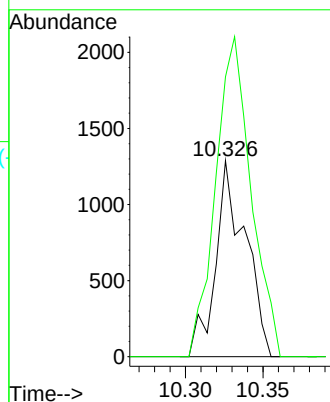
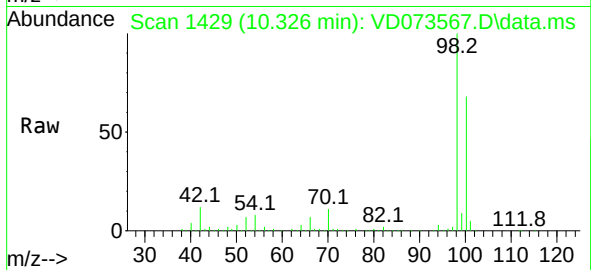




#51
4-Methyl-2-Pentanone
Concen: 1.314 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

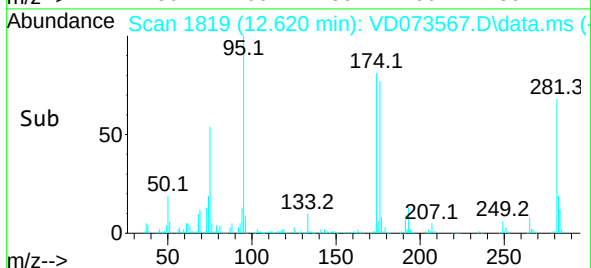
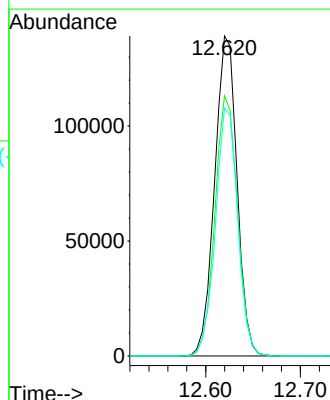
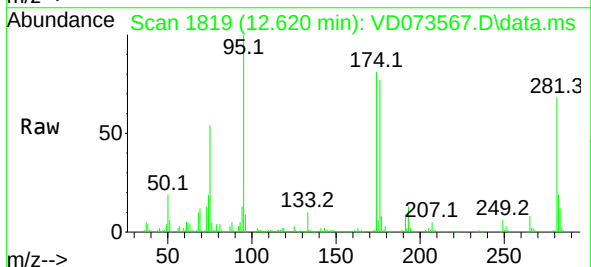
Instrument :
MSVOA_D
ClientSampleId :
SB-1

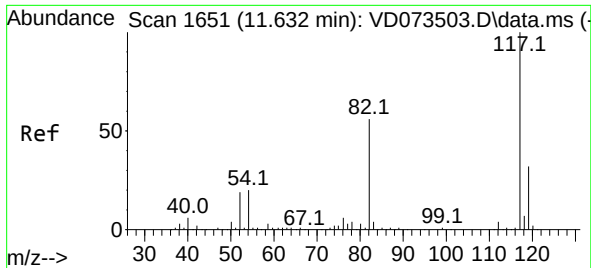
Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 194.2 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 75.130 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

Tgt Ion: 95 Resp: 228610
Ion Ratio Lower Upper
95 100
174 82.2 0.0 152.8
176 77.1 0.0 145.4

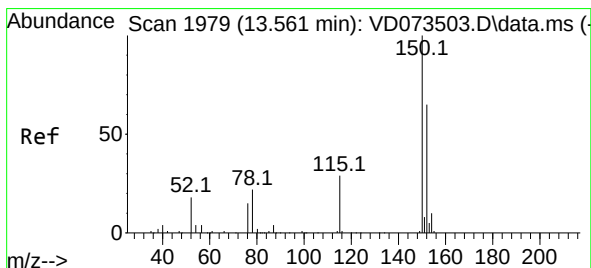
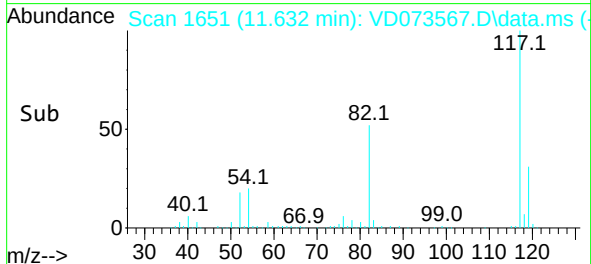
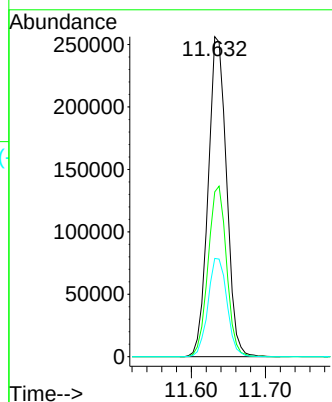
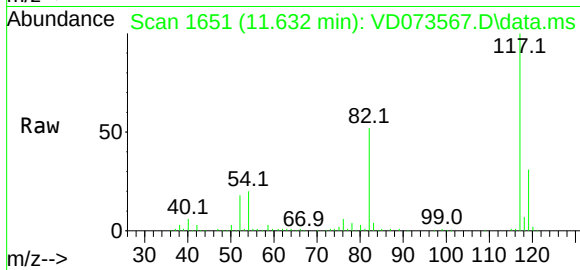




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

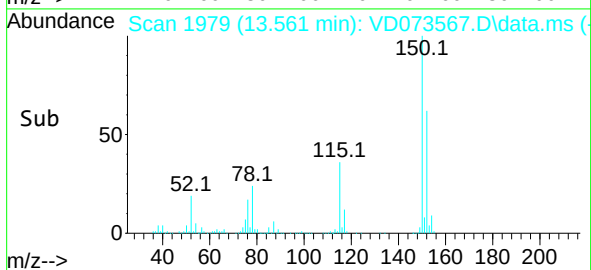
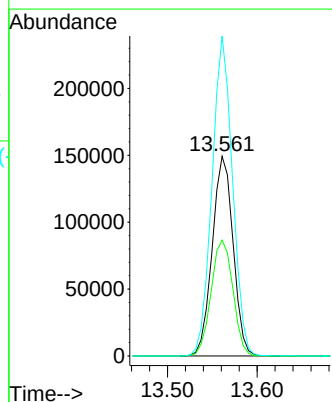
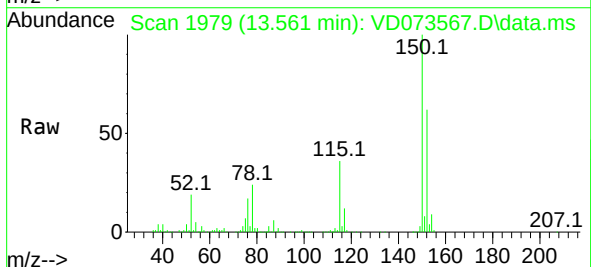
Instrument :
MSVOA_D
ClientSampleId :
SB-1

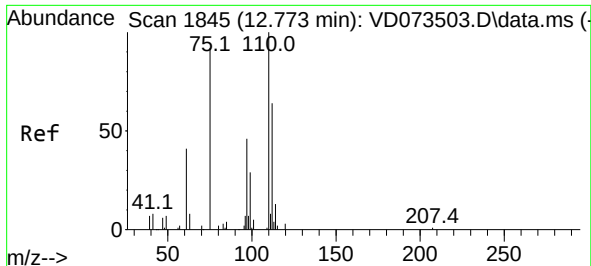
Tgt Ion:117 Resp: 441415
Ion Ratio Lower Upper
117 100
82 51.5 45.3 67.9
119 30.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

Tgt Ion:152 Resp: 241176
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 157.2 0.0 348.6

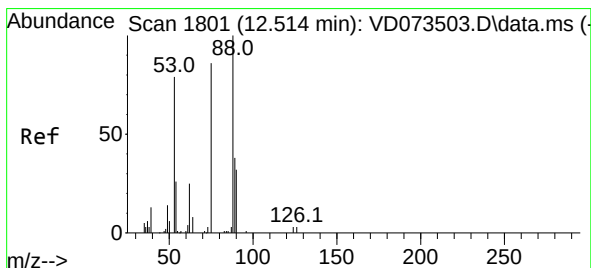
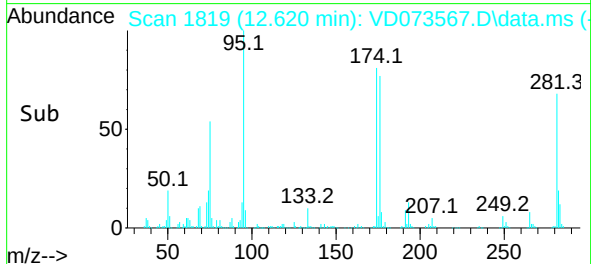
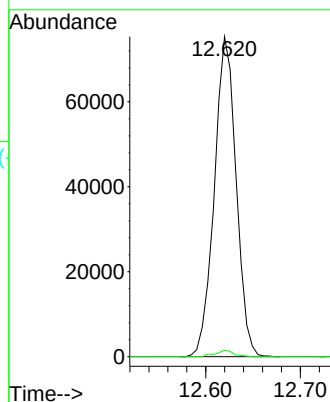
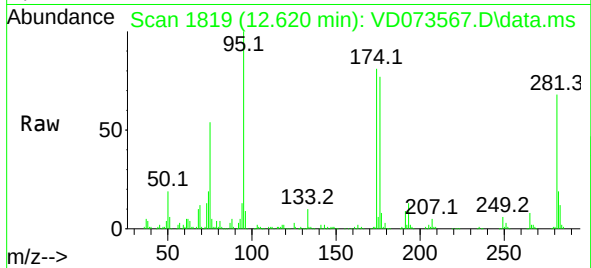




#76
1,2,3-Trichloropropane
Concen: 51.413 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

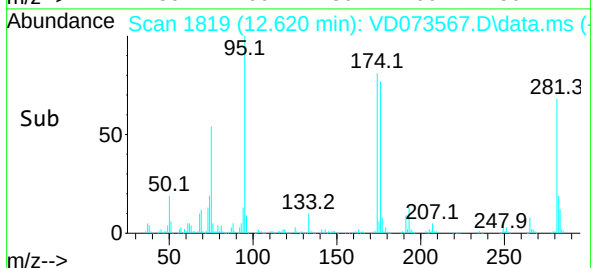
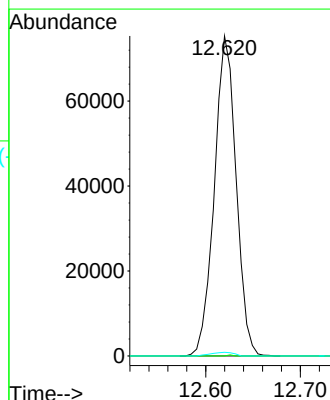
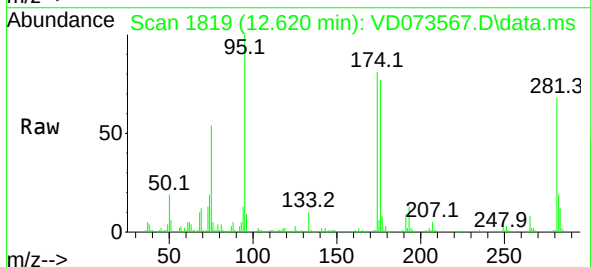
Instrument :
MSVOA_D
ClientSampleId :
SB-1

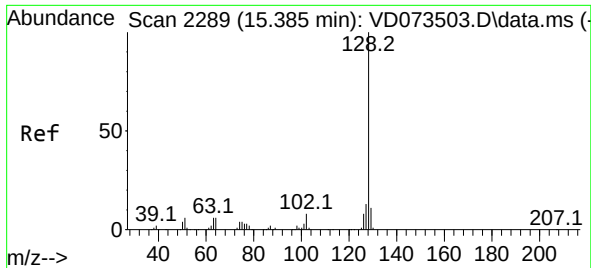
Tgt Ion: 75 Resp: 120457
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.675 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073567.D
Acq: 14 Jun 2022 14:05

Tgt Ion: 75 Resp: 120457
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 1.2 33.9 50.9#





#95

Naphthalene

Concen: 4.244 ug/l

RT: 15.378 min Scan# 21

Delta R.T. -0.007 min

Lab File: VD073567.D

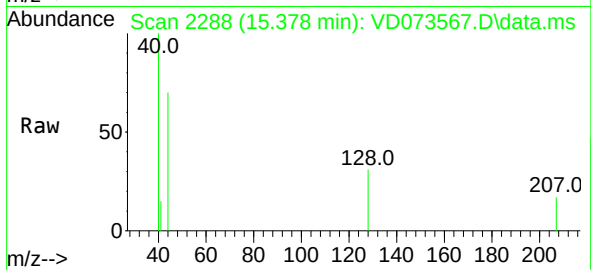
Acq: 14 Jun 2022 14:05

Instrument :

MSVOA_D

ClientSampleId :

SB-1



Tgt Ion:128 Resp: 388

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

