

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073017.D
 Acq On : 14 May 2022 05:18
 Operator : VA/SY
 Sample : N2823-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-3

Quant Time: May 16 05:20:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

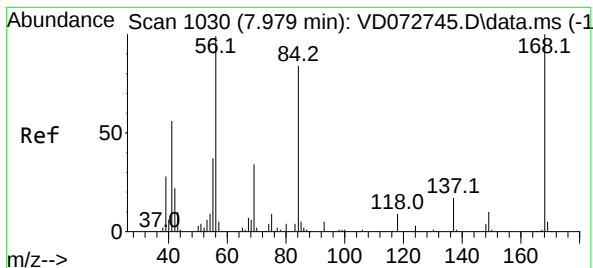
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	353531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	622391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	617825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	283486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182445	39.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.520%
35) Dibromofluoromethane	7.909	113	121835	27.873	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	55.740%
50) Toluene-d8	10.332	98	760654	48.512	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.620	95	270037	46.188	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1231	Below Cal	#	73
11) Tert butyl alcohol	5.162	59	2132	5.370	ug/l #	74
16) Acetone	4.156	43	6988	Below Cal	#	73
18) Methyl Acetate	4.720	43	62	Below Cal	#	55
20) Methylene Chloride	4.973	84	19704	Below Cal	#	77
25) 2-Butanone	7.173	43	2238	1.674	ug/l #	52
31) Cyclohexane	7.973	56	9195	1.146	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	139077	43.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	139077	101.175	ug/l #	7

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

Quant Time: May 16 05:20:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

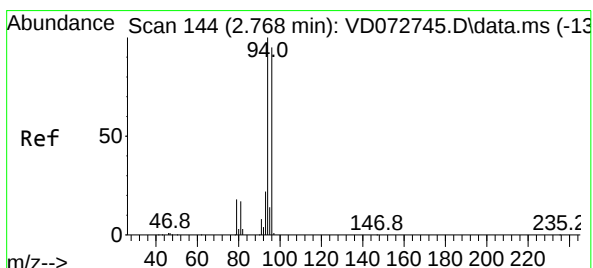
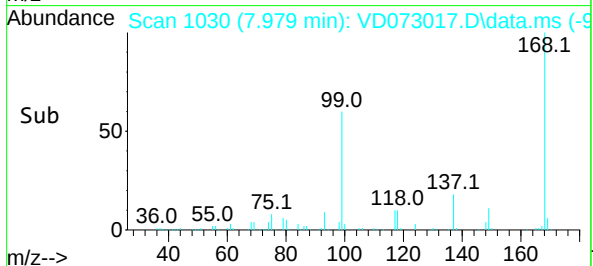
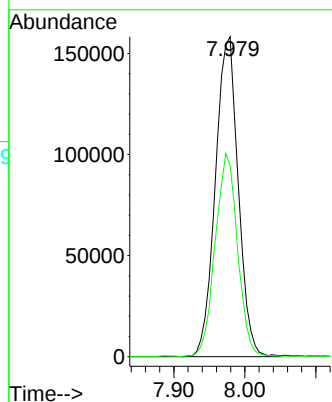
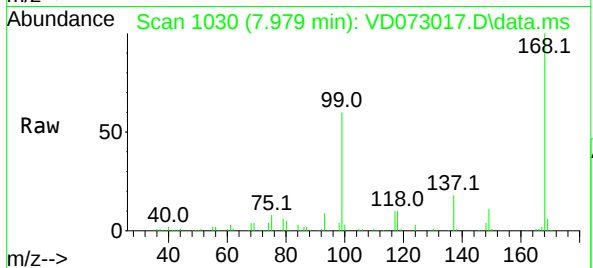




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

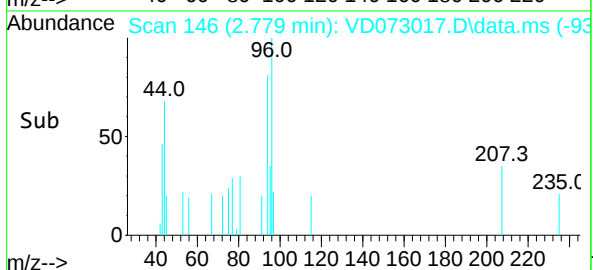
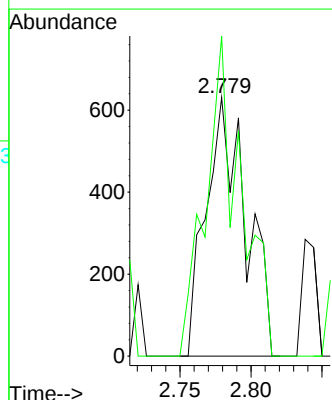
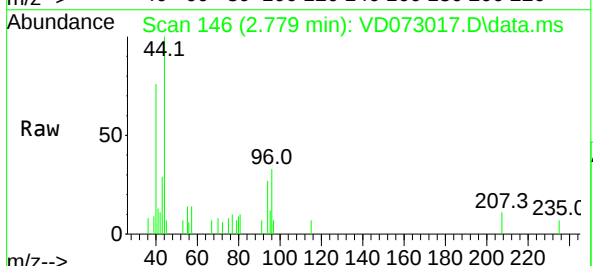
Instrument :
MSVOA_D
ClientSampleId :
SC-3

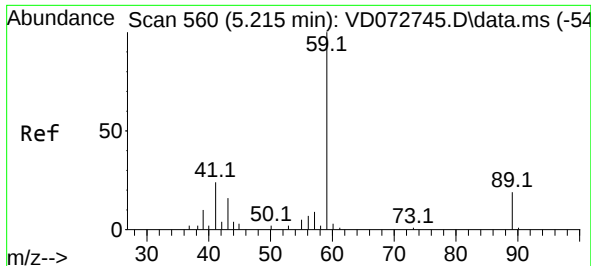
Tgt Ion:168 Resp: 353531
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Tgt Ion: 94 Resp: 1231
Ion Ratio Lower Upper
94 100
96 123.8 77.6 116.4#





#11

Tert butyl alcohol

Concen: 5.370 ug/l

RT: 5.162 min Scan# 51

Delta R.T. -0.053 min

Lab File: VD073017.D

Acq: 14 May 2022 05:18

Instrument :

MSVOA_D

ClientSampleId :

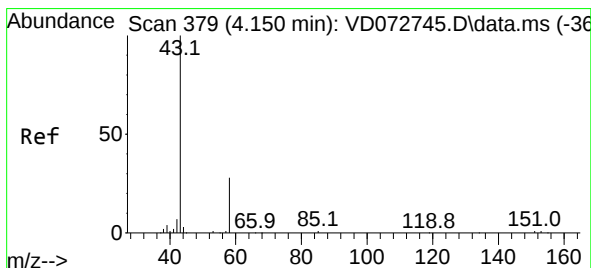
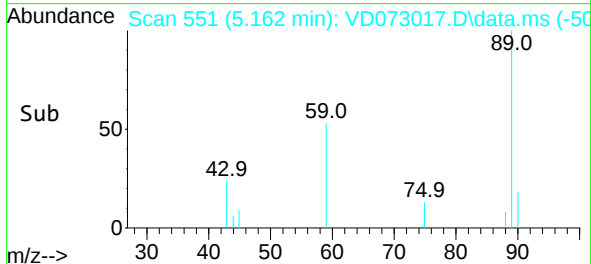
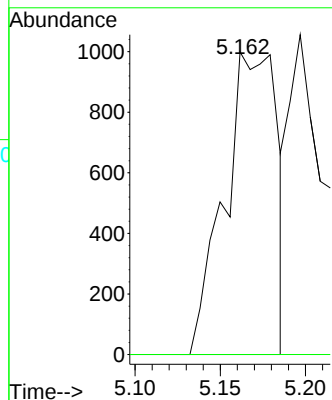
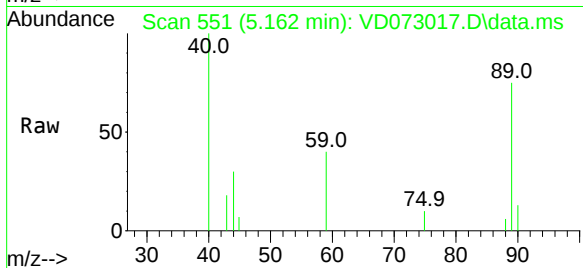
SC-3

Tgt Ion: 59 Resp: 2132

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073017.D

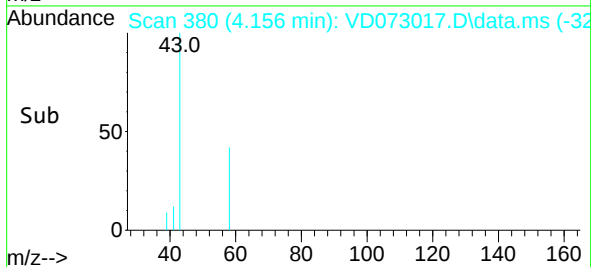
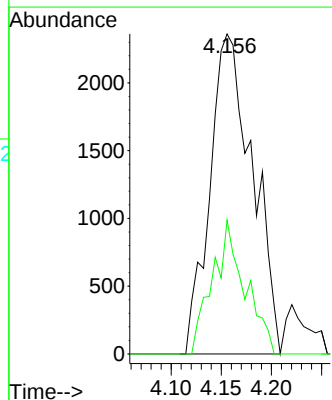
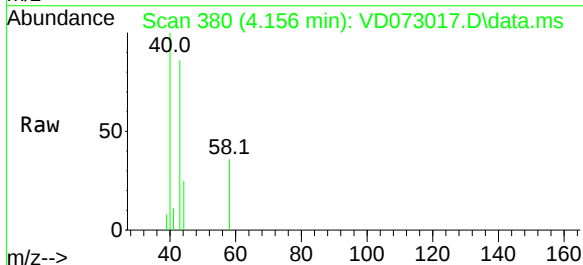
Acq: 14 May 2022 05:18

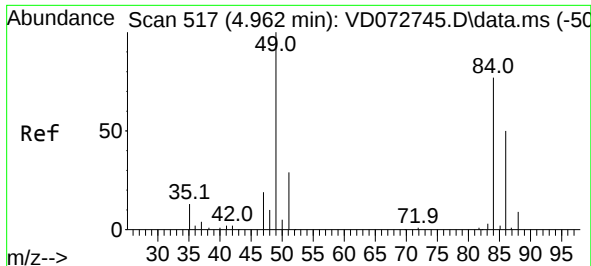
Tgt Ion: 43 Resp: 6988

Ion Ratio Lower Upper

43 100

58 41.8 22.1 33.1#

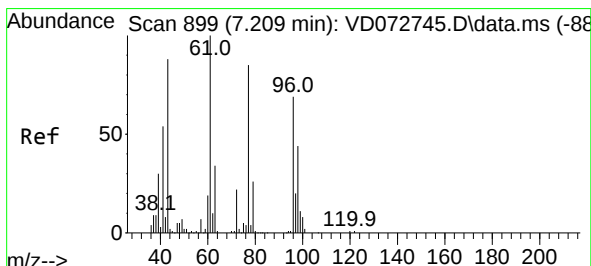
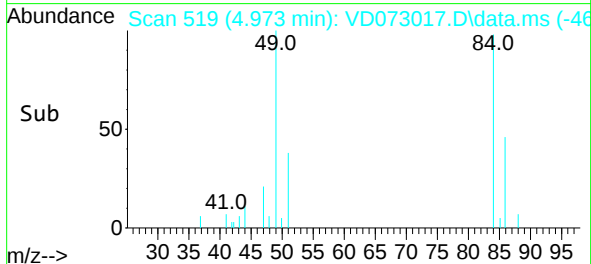
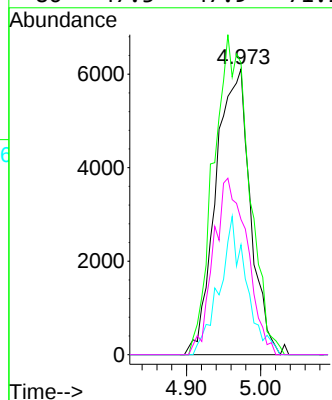
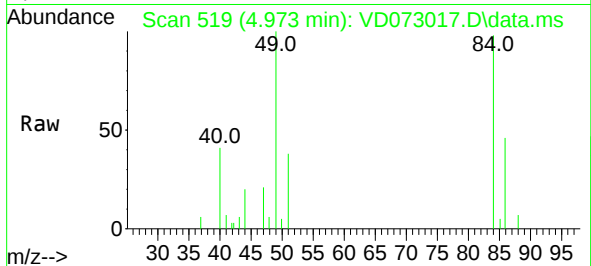




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

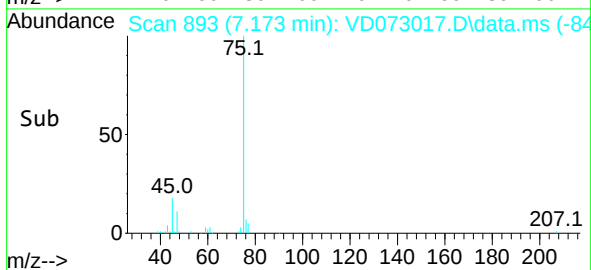
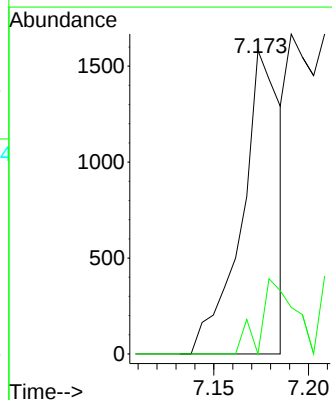
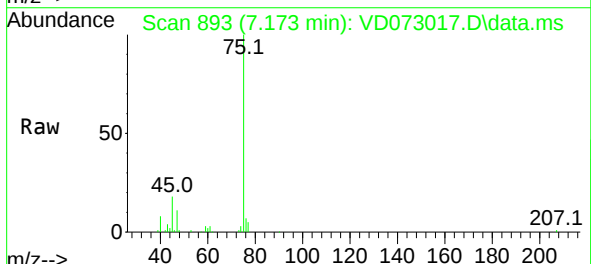
Instrument :
MSVOA_D
ClientSampleId :
SC-3

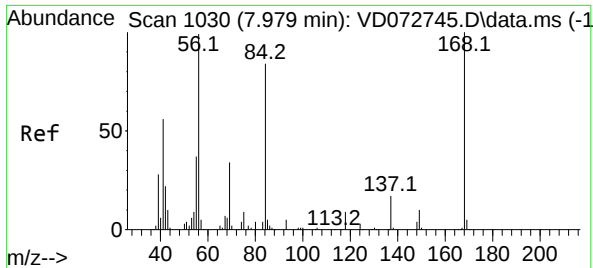
Tgt Ion: 84 Resp: 19704
Ion Ratio Lower Upper
84 100
49 102.2 112.8 169.2#
51 38.5 32.6 48.8
86 47.3 47.9 71.9#



#25
2-Butanone
Concen: 1.674 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.036 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

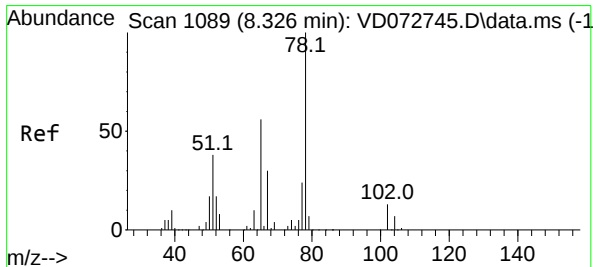
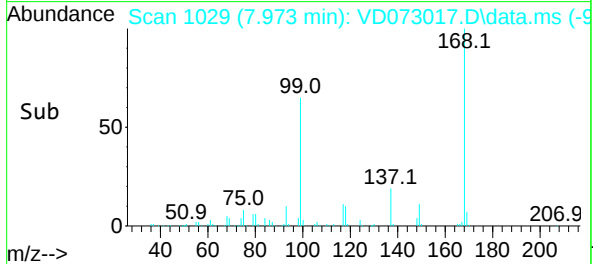
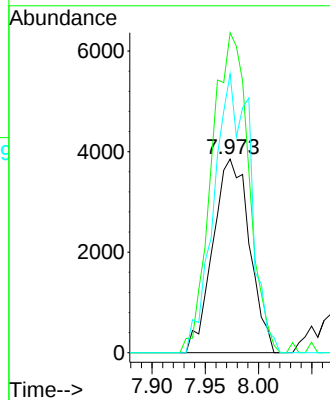
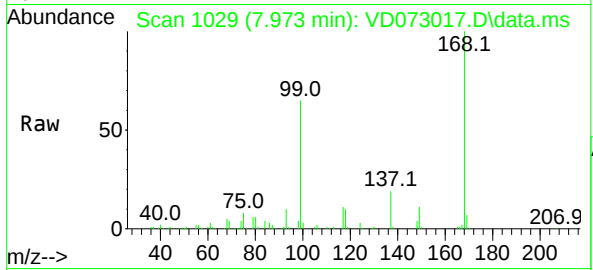




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

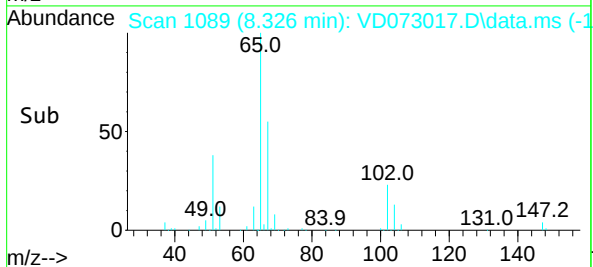
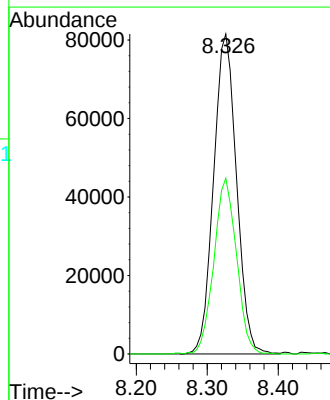
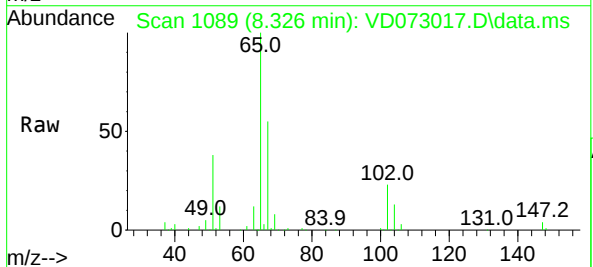
Instrument :
MSVOA_D
ClientSampleId :
SC-3

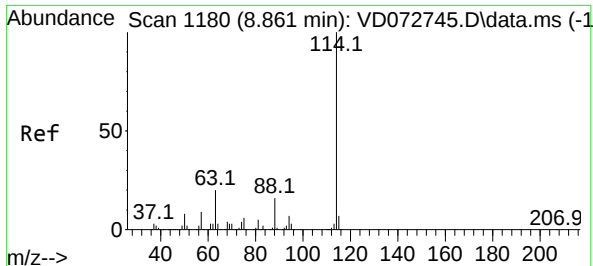
Tgt Ion: 56 Resp: 9195
Ion Ratio Lower Upper
56 100
69 165.3 25.4 38.2#
84 144.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 39.756 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Tgt Ion: 65 Resp: 182445
Ion Ratio Lower Upper
65 100
67 54.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073017.D

Acq: 14 May 2022 05:18

Instrument :

MSVOA_D

ClientSampleId :

SC-3

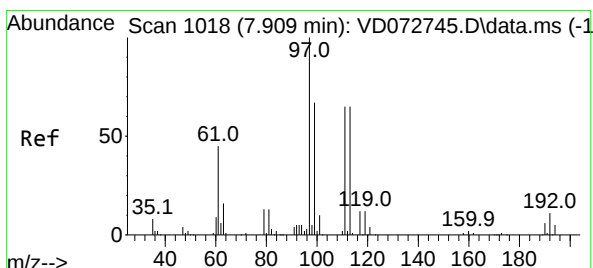
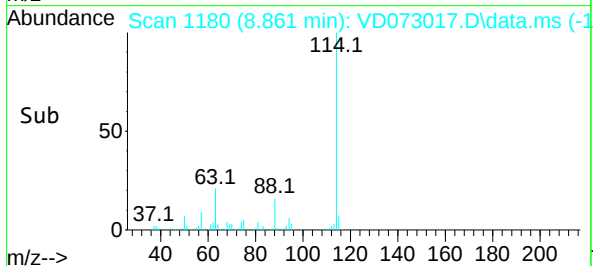
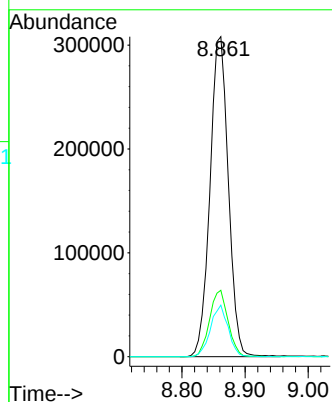
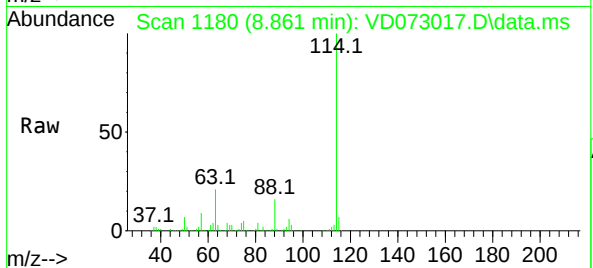
Tgt Ion:114 Resp: 622391

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 27.873 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073017.D

Acq: 14 May 2022 05:18

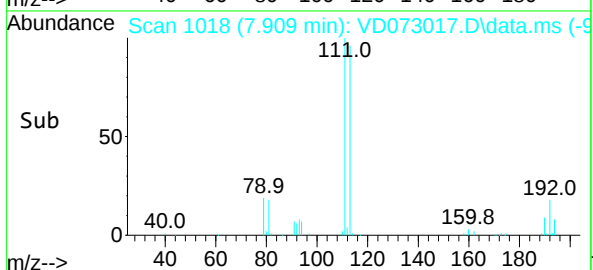
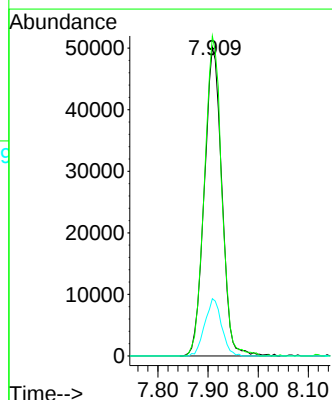
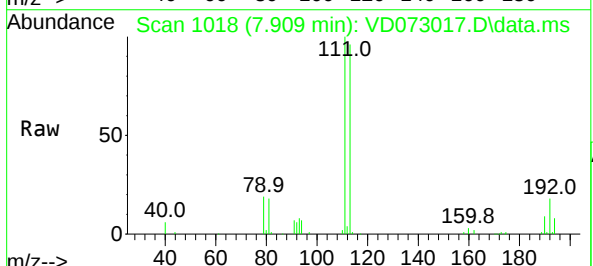
Tgt Ion:113 Resp: 121835

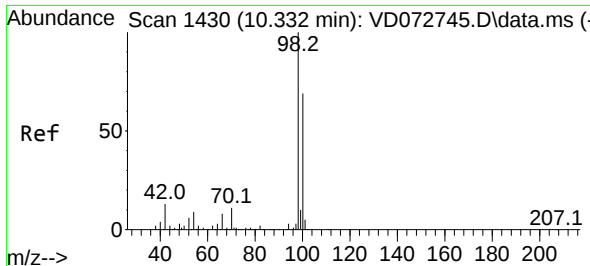
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 17.7 14.6 21.8

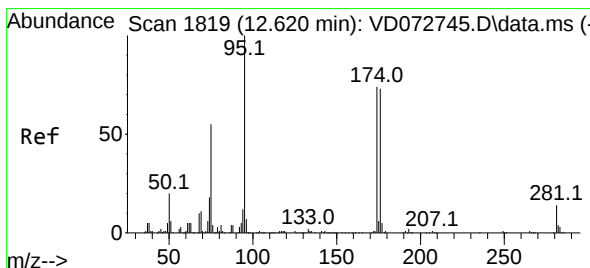
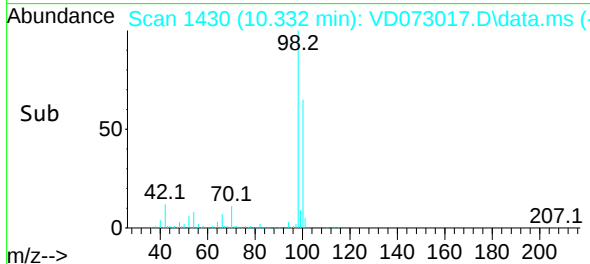
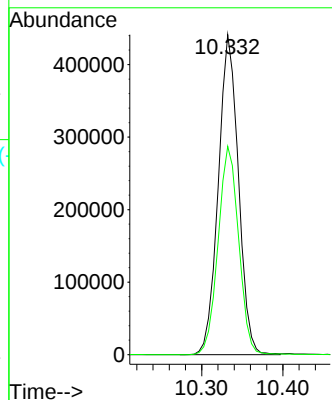
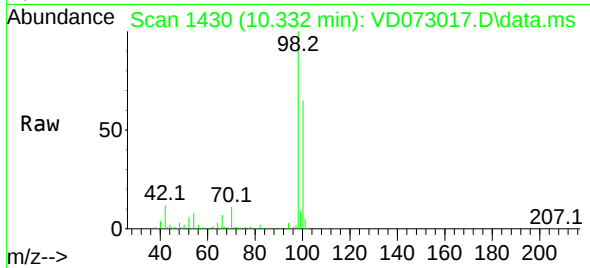




#50
Toluene-d8
Concen: 48.512 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

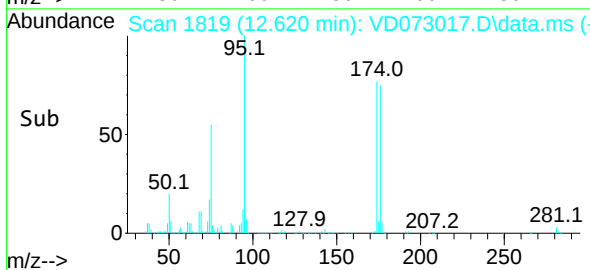
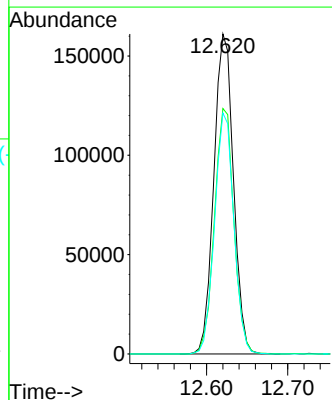
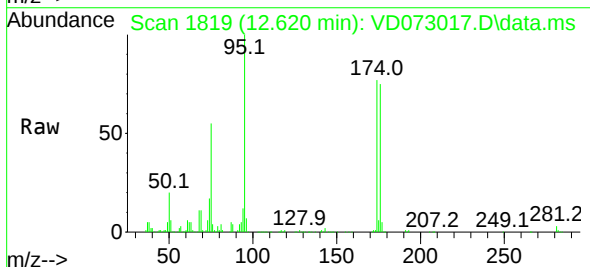
Instrument :
MSVOA_D
ClientSampleId :
SC-3

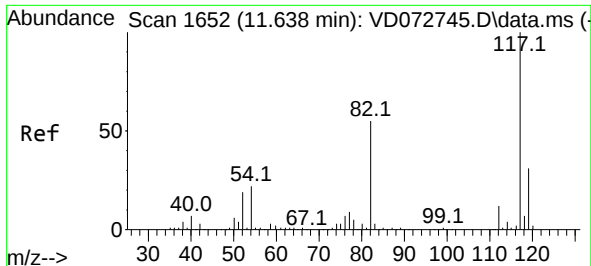
Tgt Ion: 98 Resp: 760654
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Tgt Ion: 95 Resp: 270037
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.8
176 74.0 0.0 145.4

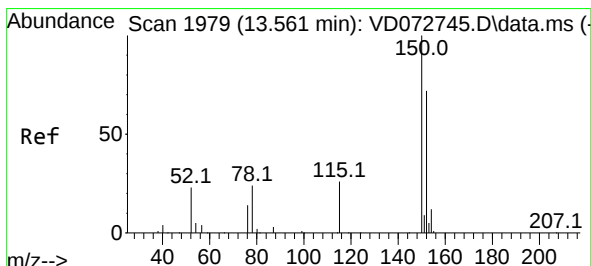
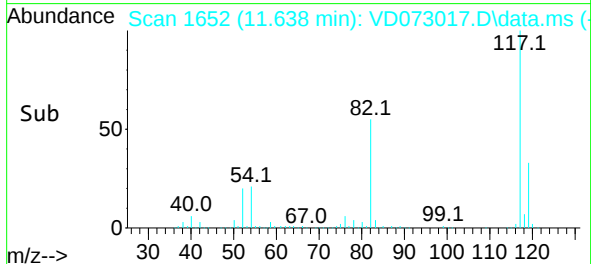
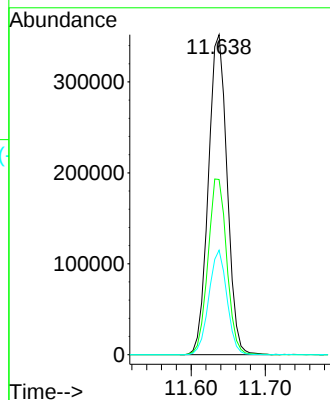
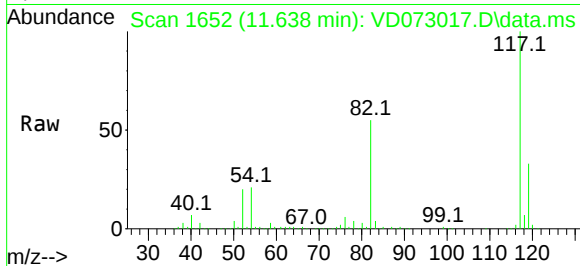




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

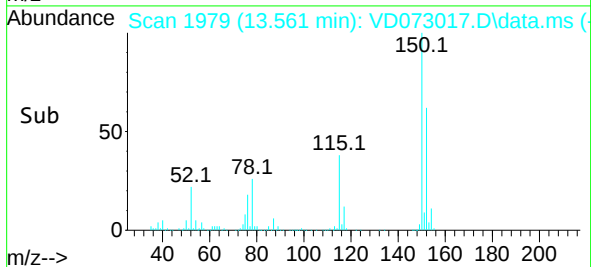
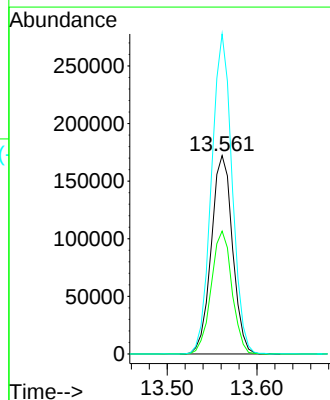
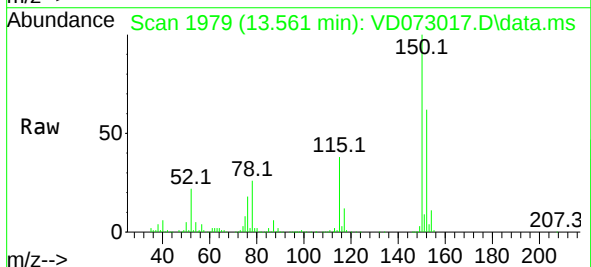
Instrument :
MSVOA_D
ClientSampleId :
SC-3

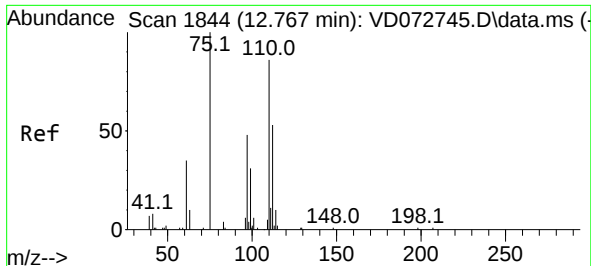
Tgt Ion:117 Resp: 617825
Ion Ratio Lower Upper
117 100
82 54.8 45.3 67.9
119 32.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Tgt Ion:152 Resp: 283486
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 156.0 0.0 348.6

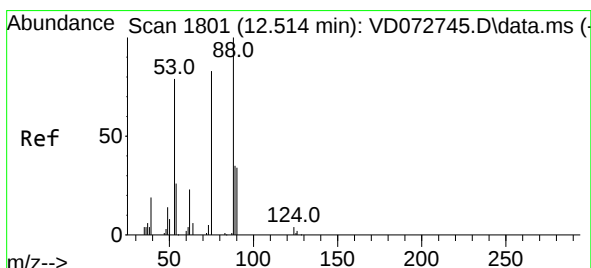
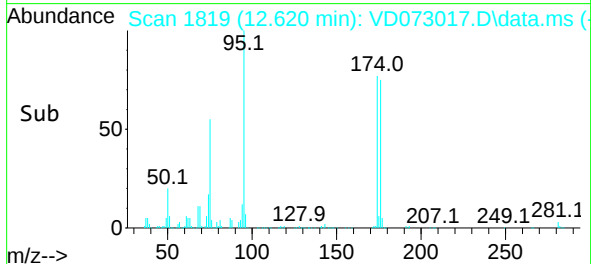
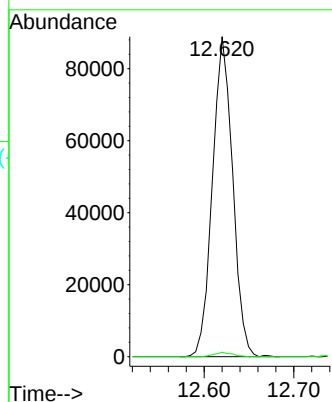
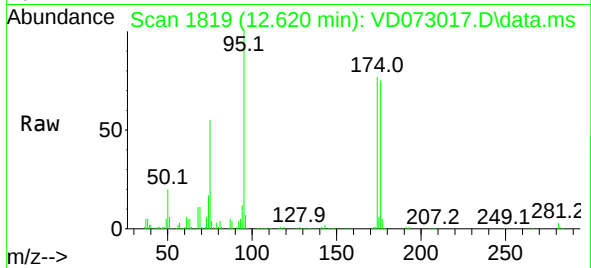




#76
1,2,3-Trichloropropane
Concen: 43.997 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Instrument :
MSVOA_D
ClientSampleId :
SC-3

Tgt Ion: 75 Resp: 139077
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.175 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073017.D
Acq: 14 May 2022 05:18

Tgt Ion: 75 Resp: 139077
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

