

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073061.D
 Acq On : 17 May 2022 17:11
 Operator : VA/SY
 Sample : N2834-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-051222

Quant Time: May 18 03:21:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 17 13:03:08 2022
 Response via : Initial Calibration

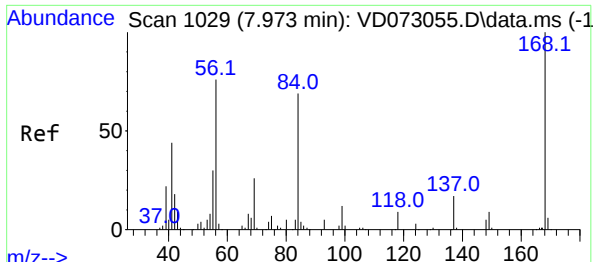
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	319956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	577989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	591249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	189235	47.293	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.580%
35) Dibromofluoromethane	7.909	113	197889	48.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.520%
50) Toluene-d8	10.332	98	710811	48.282	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.620	95	258701	48.516	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1724	4.609	ug/l #	83
11) Tert butyl alcohol	5.179	59	12258	19.806	ug/l #	74
16) Acetone	4.168	43	1297	1.791	ug/l #	70
18) Methyl Acetate	4.456	43	418	1.645	ug/l #	55
20) Methylene Chloride	4.967	84	15954	3.036	ug/l	90
25) 2-Butanone	7.185	43	3149	2.872	ug/l #	88
31) Cyclohexane	7.979	56	9434	1.309	ug/l #	1
37) Ethyl Acetate	7.185	43	3149	1.134	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	133136	43.364	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	133136	105.225	ug/l #	7
95) Naphthalene	15.373	128	690	4.321	ug/l #	70

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

Quant Time: May 18 03:21:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Tue May 17 13:03:08 2022
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073061.D

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Instrument :

MSVOA_D

ClientSampleId :

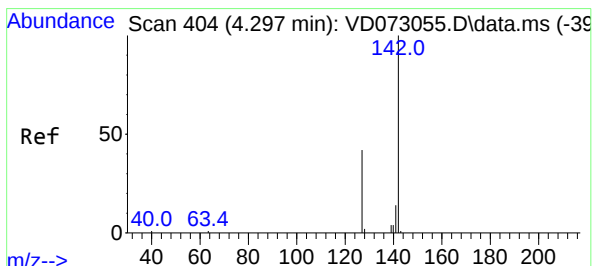
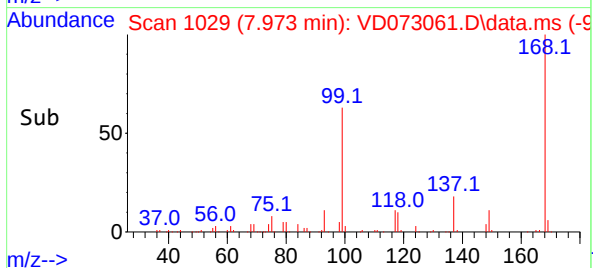
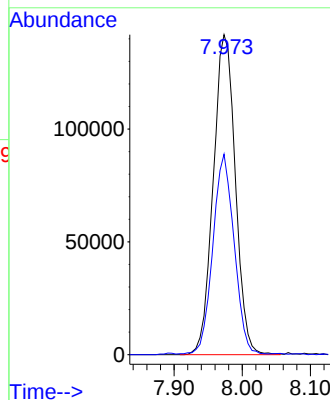
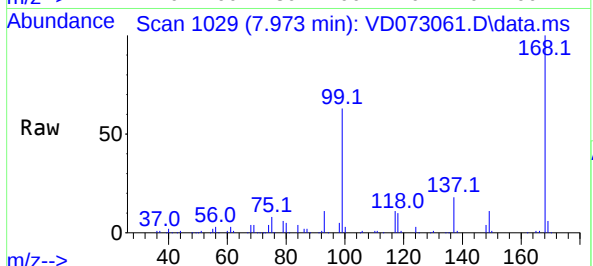
TR-06-051222

Tgt Ion:168 Resp: 319956

Ion Ratio Lower Upper

168 100

99 62.4 49.8 74.6



#10

Methyl Iodide

Concen: 4.609 ug/l

RT: 4.297 min Scan# 404

Delta R.T. -0.000 min

Lab File: VD073061.D

Acq: 17 May 2022 17:11

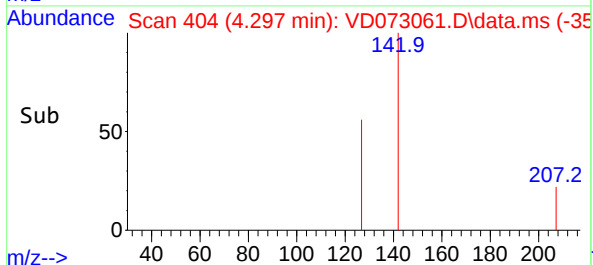
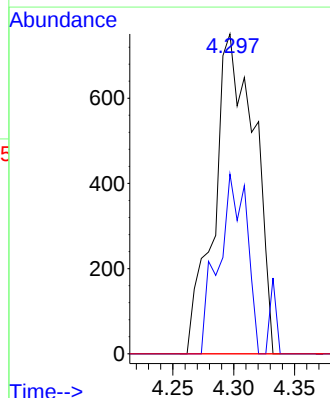
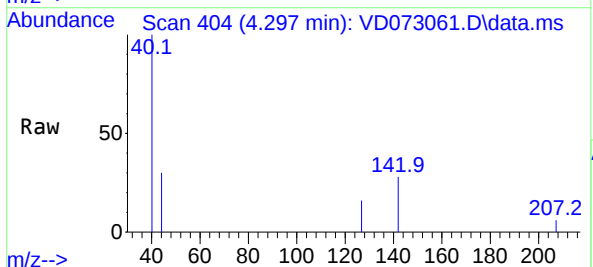
Tgt Ion:142 Resp: 1724

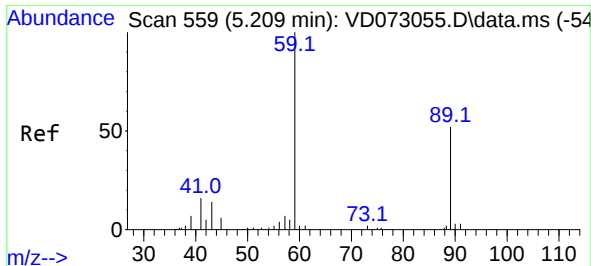
Ion Ratio Lower Upper

142 100

127 39.6 37.3 55.9

141 0.0 11.7 17.5#

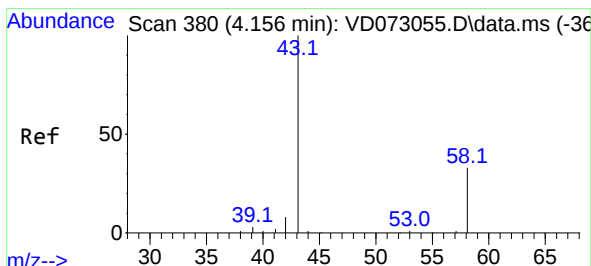
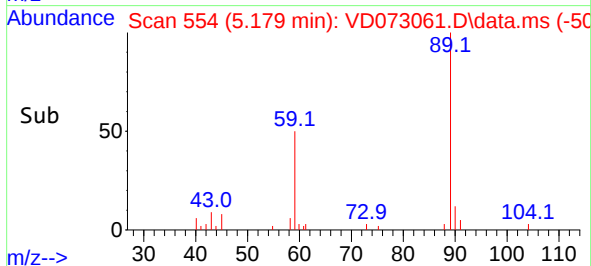
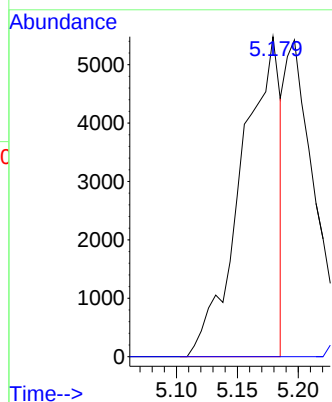
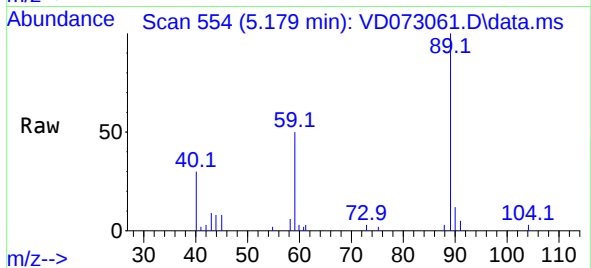




#11
Tert butyl alcohol
Concen: 19.806 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

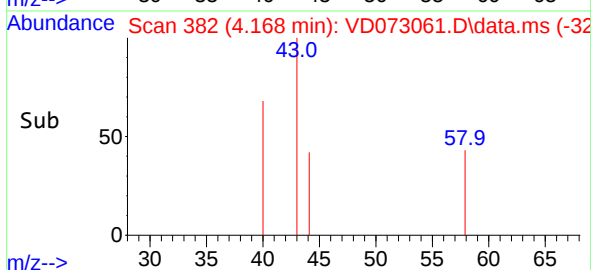
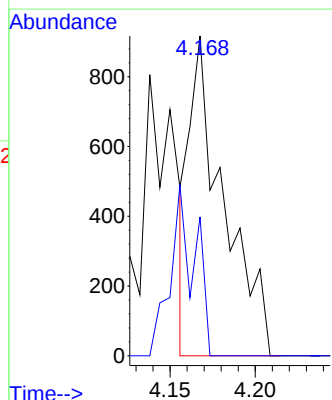
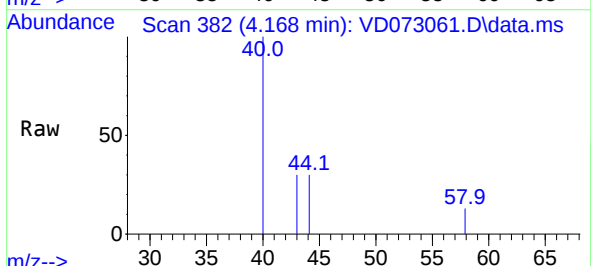
Instrument :
MSVOA_D
ClientSampleId :
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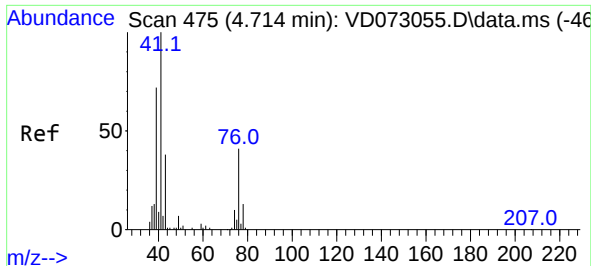
Tgt Ion: 59 Resp: 12258
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.791 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
58 43.4 22.1 33.1#

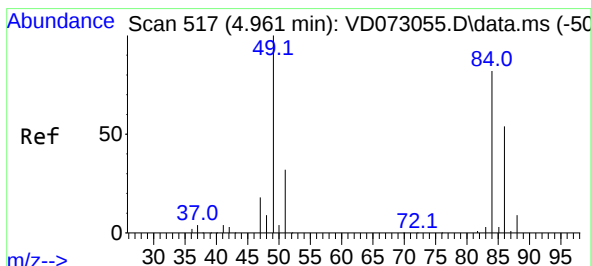
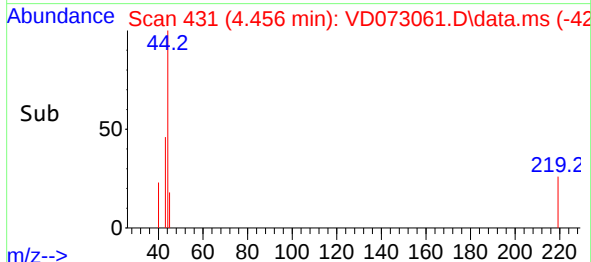
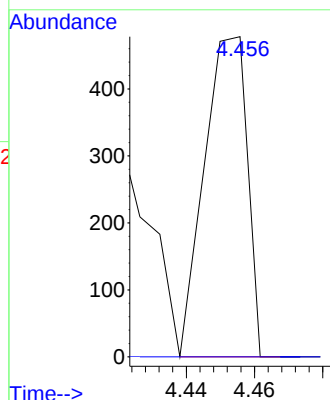
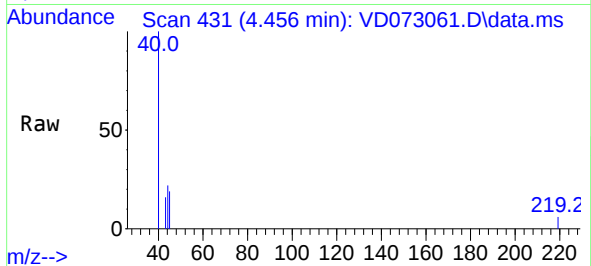




#18
Methyl Acetate
Concen: 1.645 ug/l
RT: 4.456 min Scan# 41
Delta R.T. -0.258 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

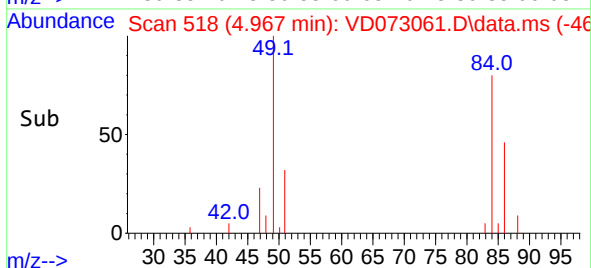
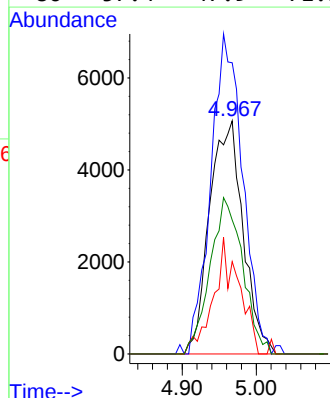
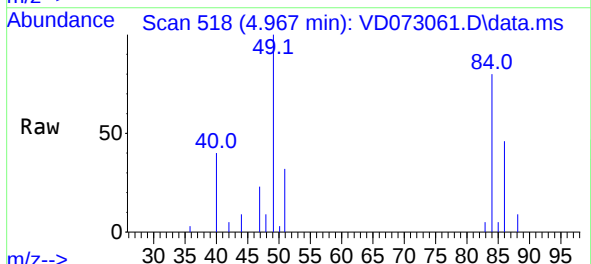
Instrument :
MSVOA_D
ClientSampleId :
TR-06-051222

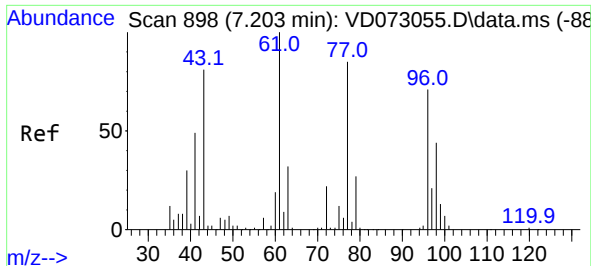
Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 3.036 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Tgt Ion: 84 Resp: 15954
Ion Ratio Lower Upper
84 100
49 121.4 112.8 169.2
51 39.6 32.6 48.8
86 57.4 47.9 71.9

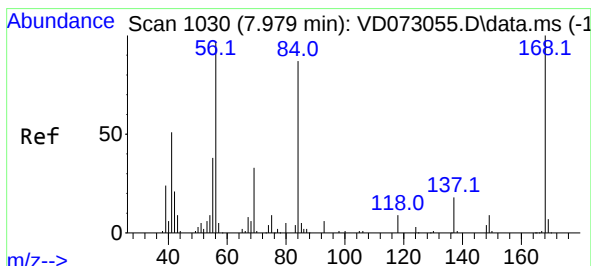
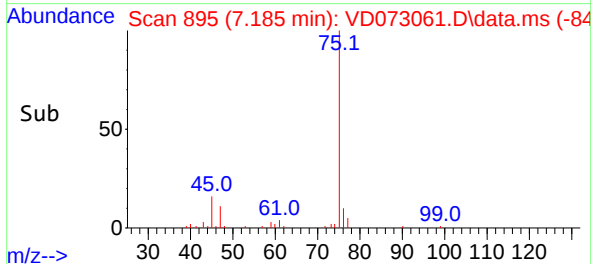
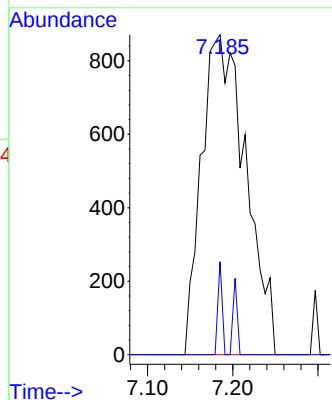
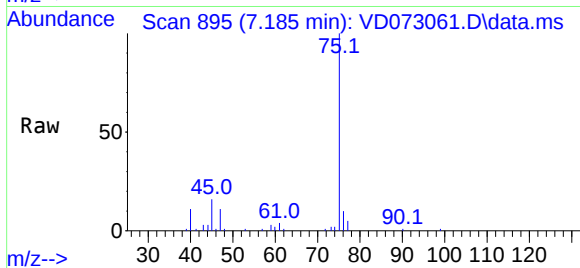




#25
2-Butanone
Concen: 2.872 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

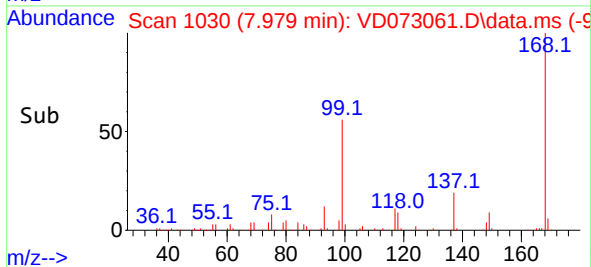
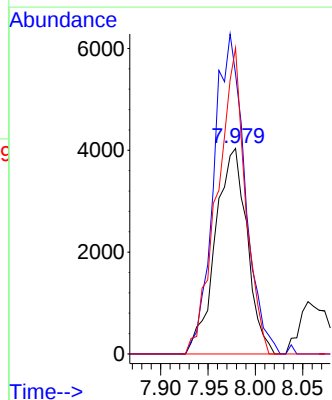
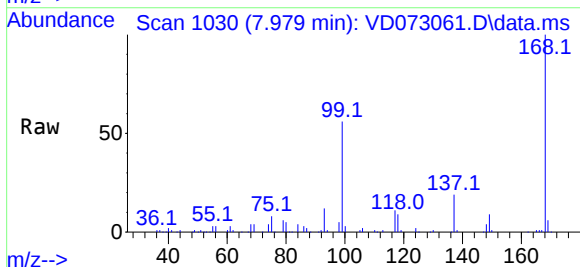
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MSVOA_D
ClientSampleId :
TR-06-051222

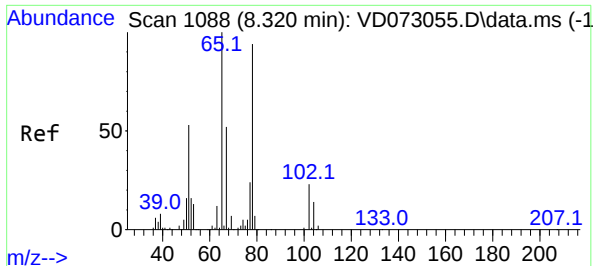
Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
72 29.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Tgt Ion: 56 Resp: 9434
Ion Ratio Lower Upper
56 100
69 136.1 25.4 38.2#
84 148.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.293 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073061.D

Acq: 17 May 2022 17:11

Instrument :

MSVOA_D

ClientSampleId :

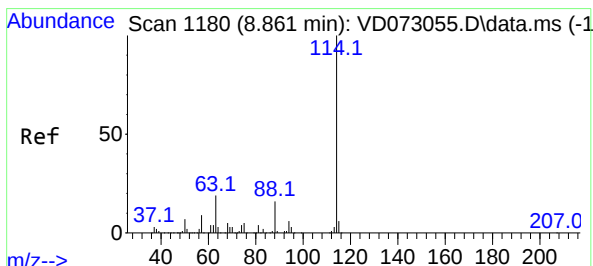
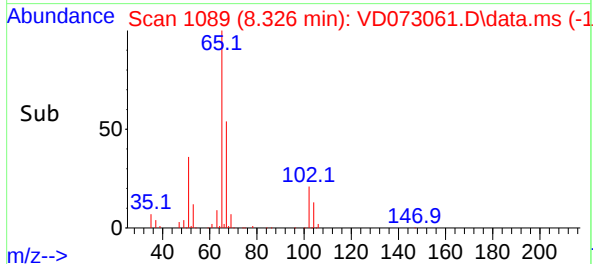
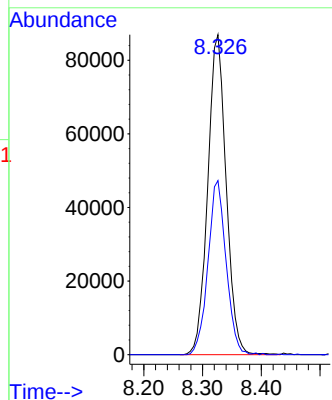
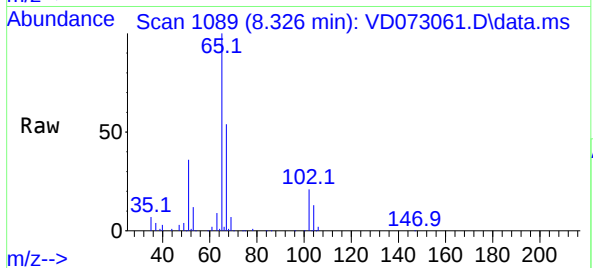
TR-06-051222

Tgt Ion: 65 Resp: 189235

Ion Ratio Lower Upper

65 100

67 53.4 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: VD073061.D

Acq: 17 May 2022 17:11

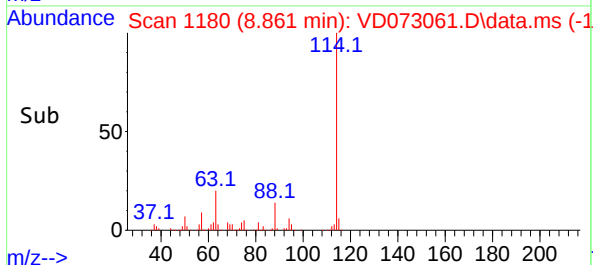
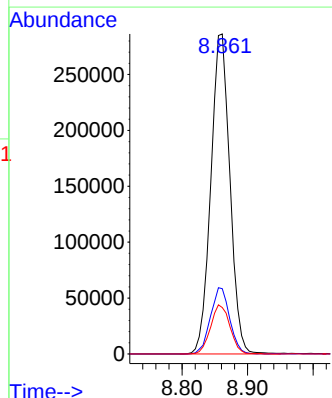
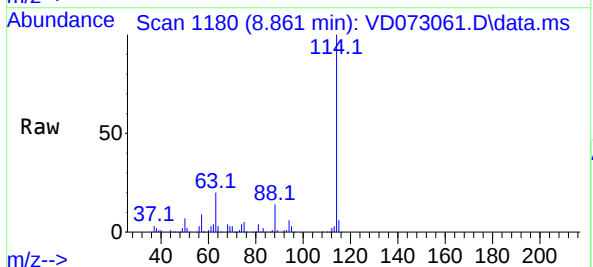
Tgt Ion: 114 Resp: 577989

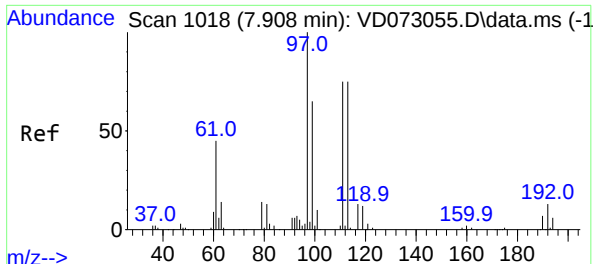
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 14.5 0.0 33.2

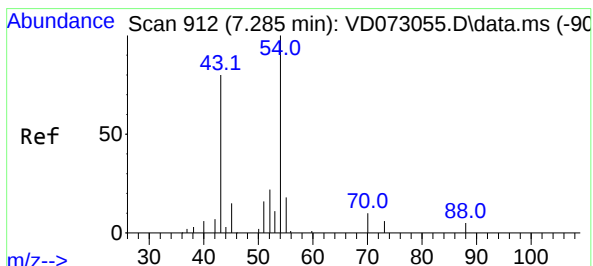
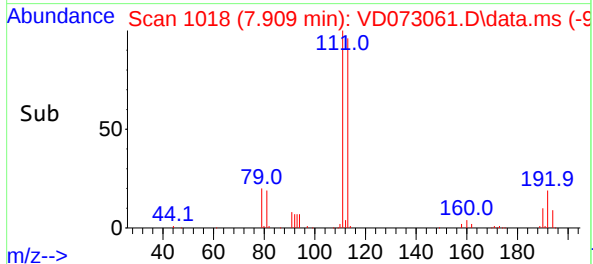
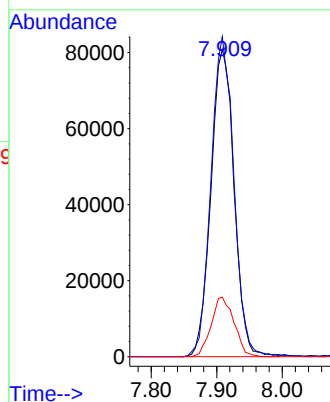
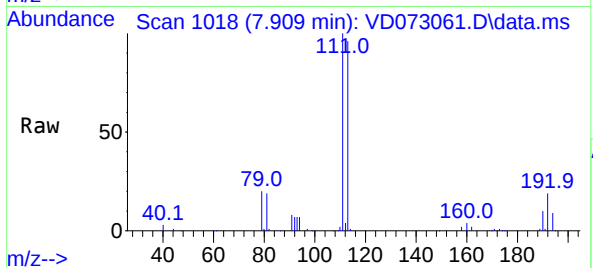




#35
Dibromofluoromethane
Concen: 48.764 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.001 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

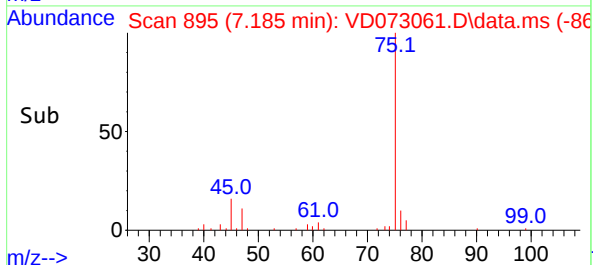
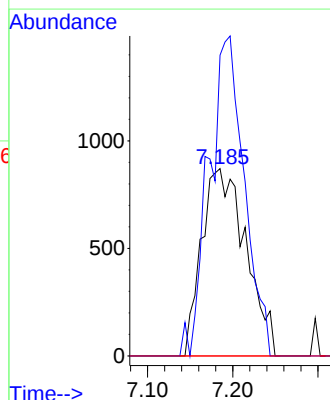
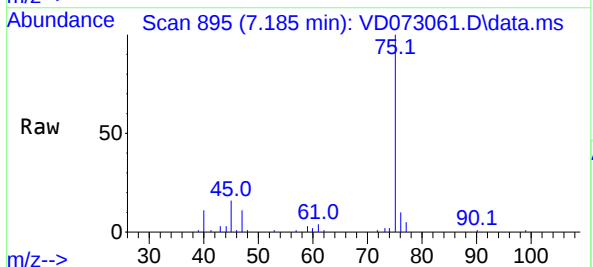
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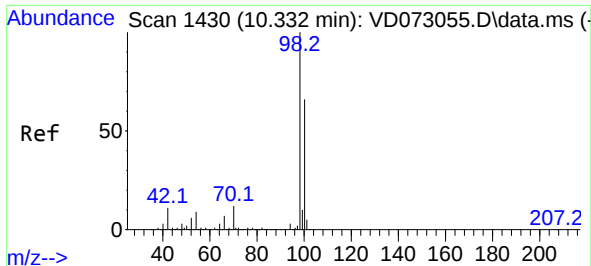
Tgt Ion:113 Resp: 197889
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.2 14.6 21.8



#37
Ethyl Acetate
Concen: 1.134 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.100 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
61 136.5 9.8 14.8#
70 0.0 6.9 10.3#

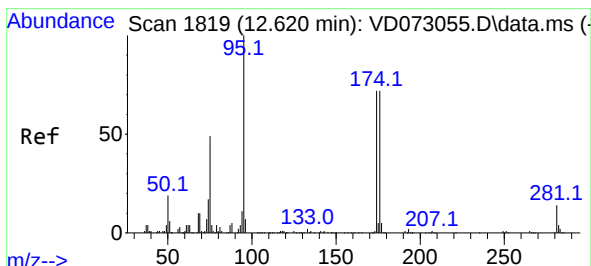
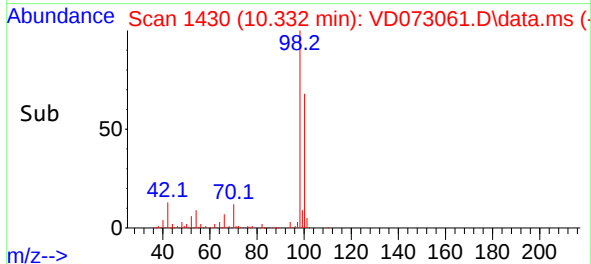
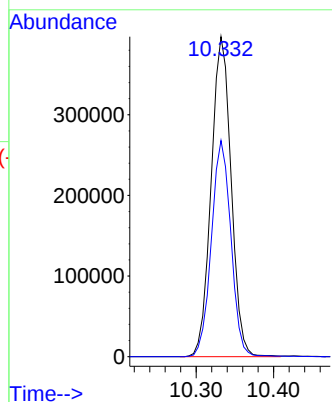
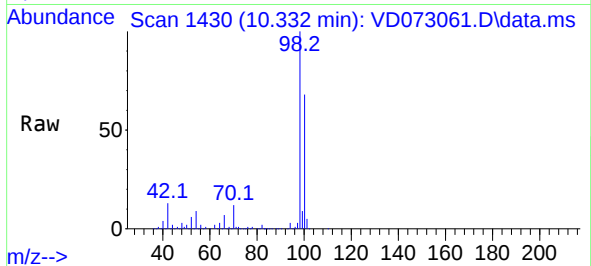




#50
Toluene-d8
Concen: 48.282 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

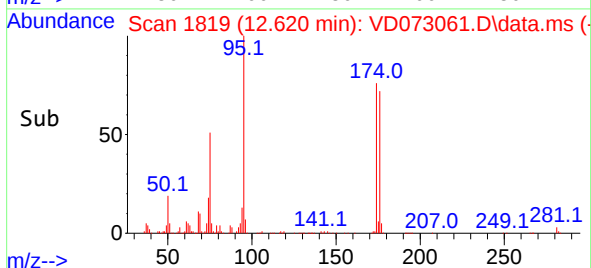
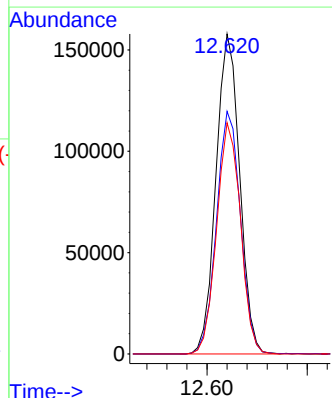
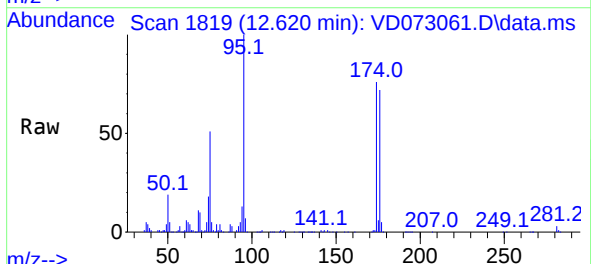
Instrument :
MSVOA_D
ClientSampleId :
TR-06-051222

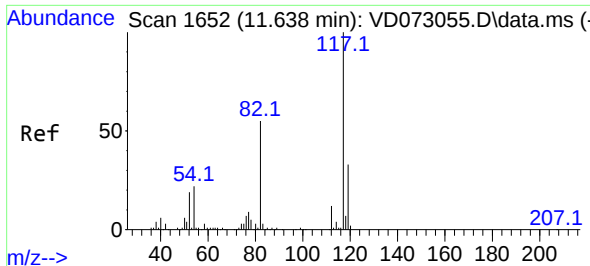
Tgt Ion: 98 Resp: 710811
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.516 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Tgt Ion: 95 Resp: 258701
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 72.7 0.0 145.4

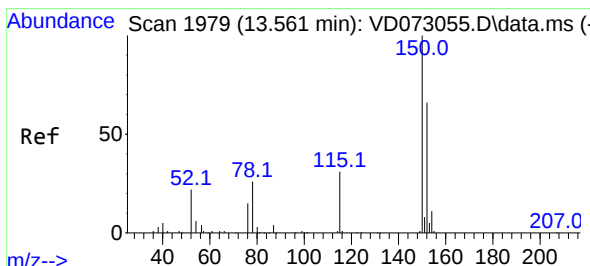
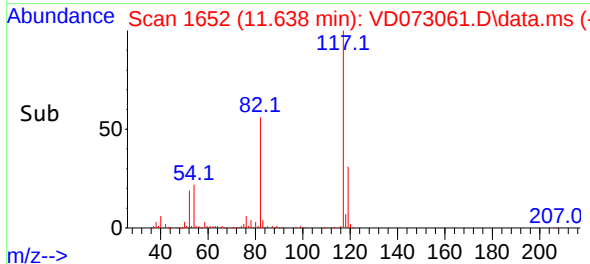
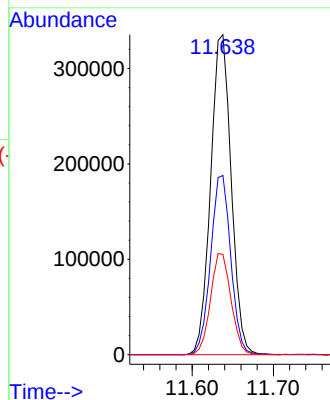
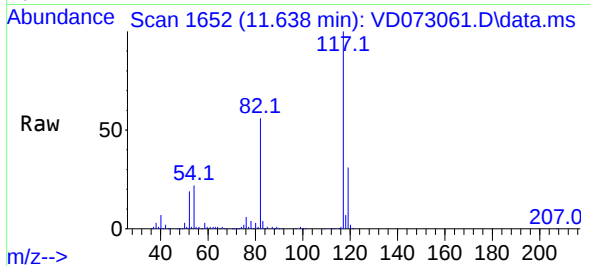




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

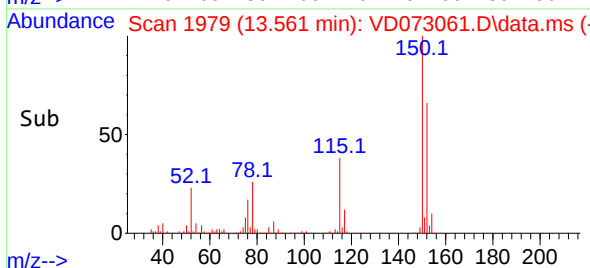
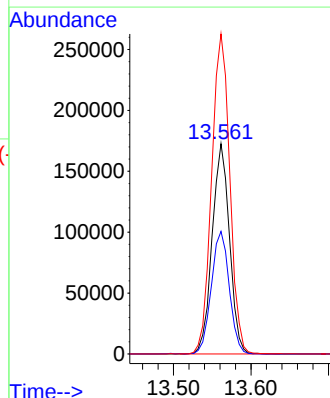
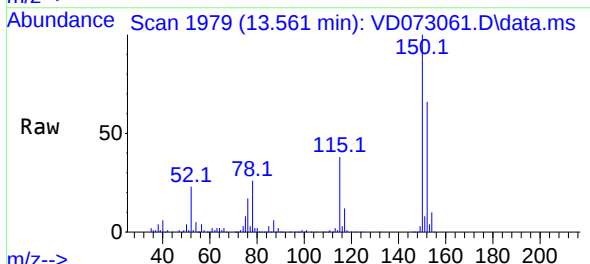
Instrument :
MSVOA_D
ClientSampleId :
TR-06-051222

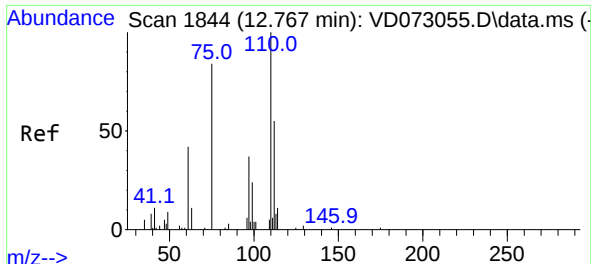
Tgt Ion:117 Resp: 591249
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 31.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Tgt Ion:152 Resp: 268372
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 159.0 0.0 348.6

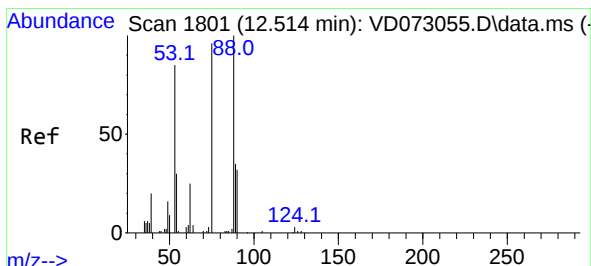
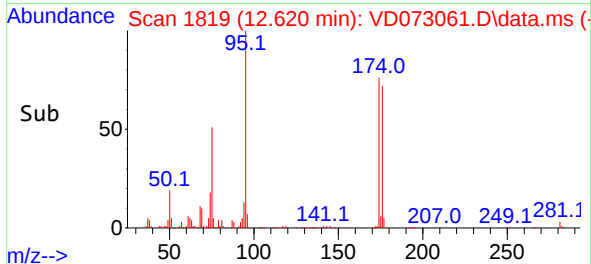
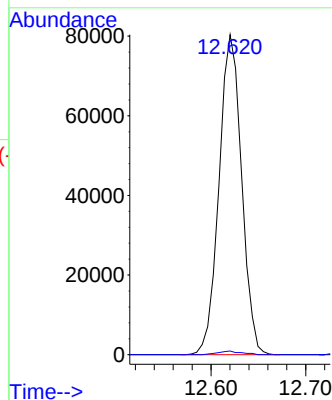
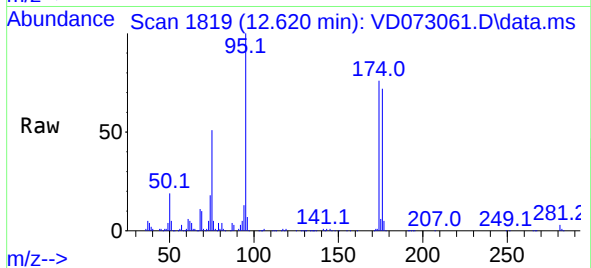




#76
1,2,3-Trichloropropane
Concen: 43.364 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

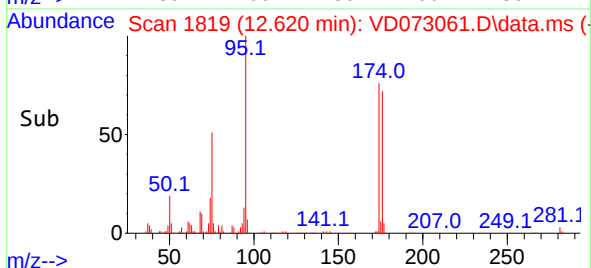
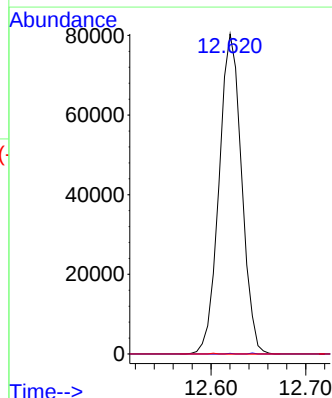
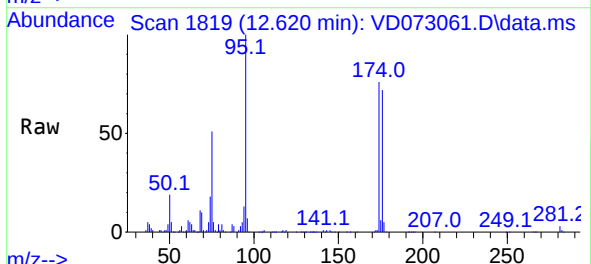
Instrument :
MSVOA_D
ClientSampleId :
TR-06-051222

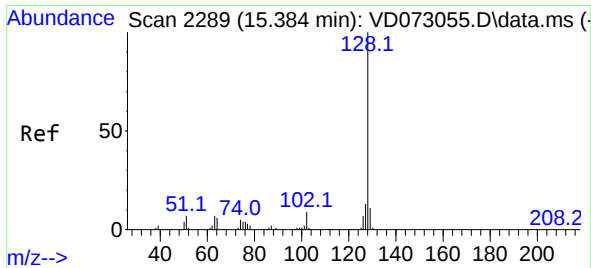
Tgt Ion: 75 Resp: 133136
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.225 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

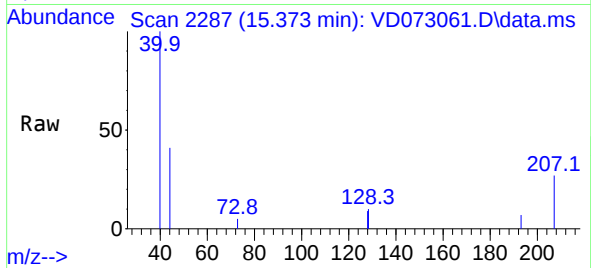
Tgt Ion: 75 Resp: 133136
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 4.321 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.011 min
Lab File: VD073061.D
Acq: 17 May 2022 17:11

Instrument :
MSVOA_D
ClientSampleId :
TR-06-051222



Tgt Ion:128 Resp: 690
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

