

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD071999.D
 Acq On : 16 Feb 2022 18:47
 Operator : VA/SY
 Sample : N1564-04
 Misc : 6.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Feb 17 00:51:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

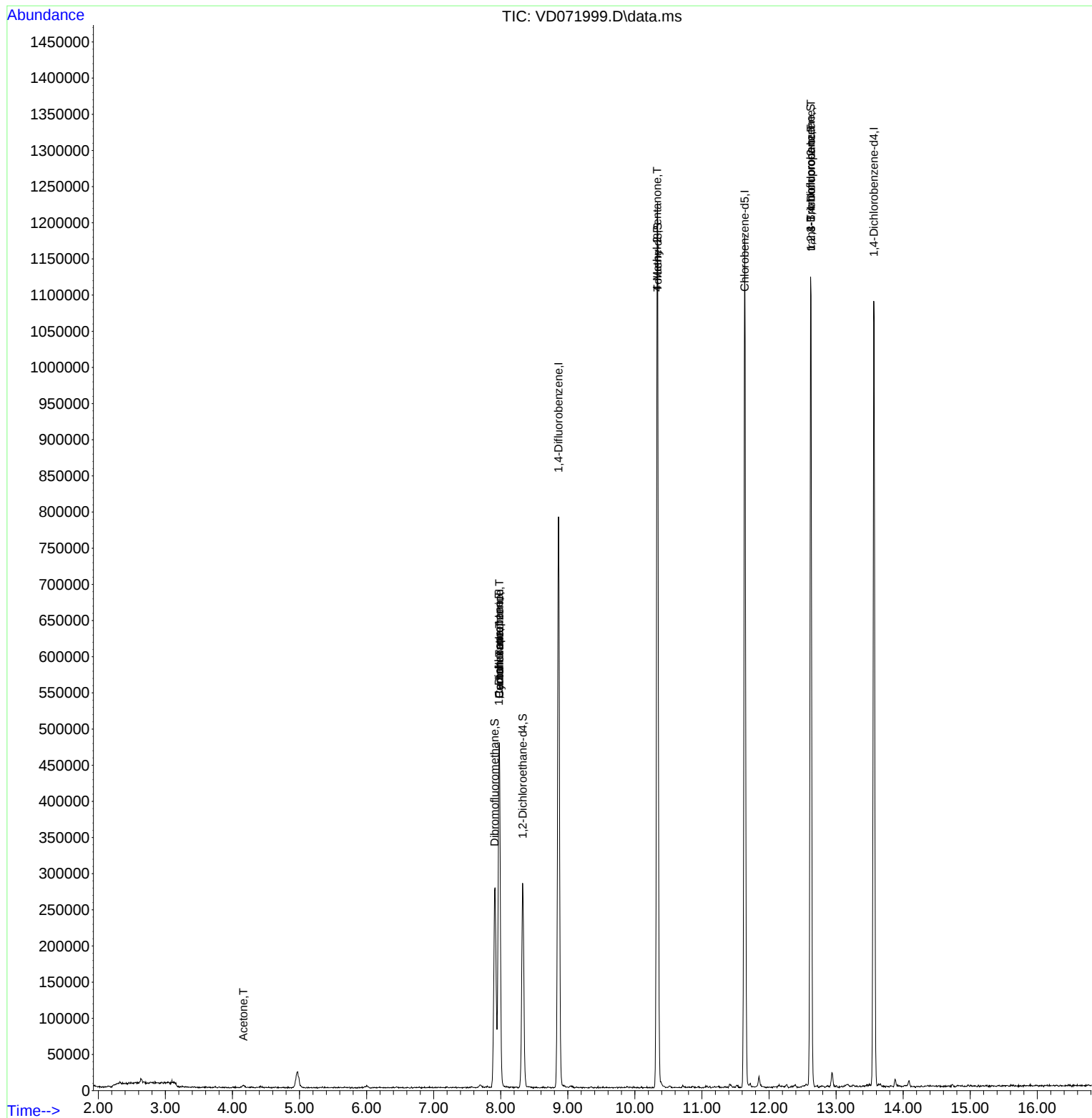
Internal Standards						
1) Pentafluorobenzene	7.979	168	324201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	612632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	595554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	256451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220805	53.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.760%	
35) Dibromofluoromethane	7.909	113	196707	48.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.700%	
50) Toluene-d8	10.338	98	779712	51.844	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	12.620	95	277697	52.875	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.209	59	194	Below Cal	#	74
16) Acetone	4.162	43	6054	5.397	ug/l	97
20) Methylene Chloride	4.973	84	15253	Below Cal		89
31) Cyclohexane	7.979	56	9659	1.235	ug/l	# 26
36) 1,1-Dichloropropene	7.973	75	32295	4.672	ug/l	# 52
38) Carbon Tetrachloride	7.979	117	36170	5.292	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.332	43	5196	1.719	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	160799	59.496	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	160799	146.288	ug/l	# 7

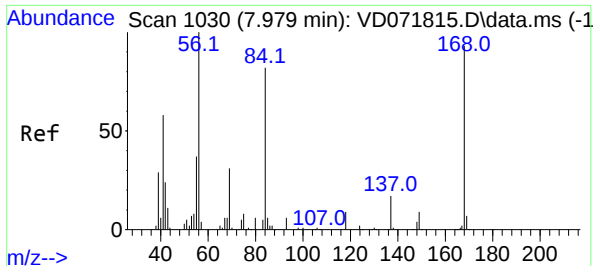
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

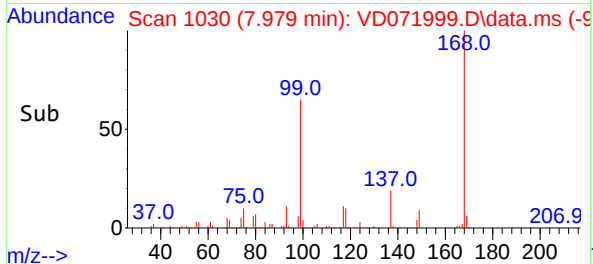
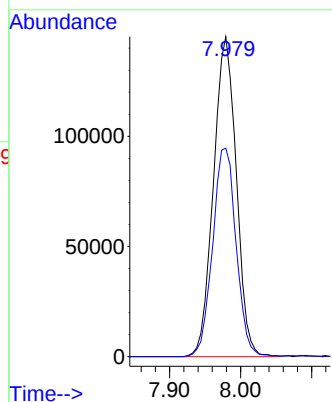
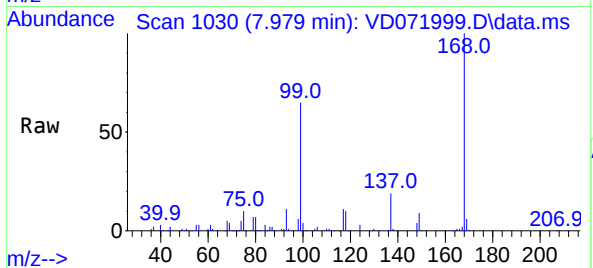




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

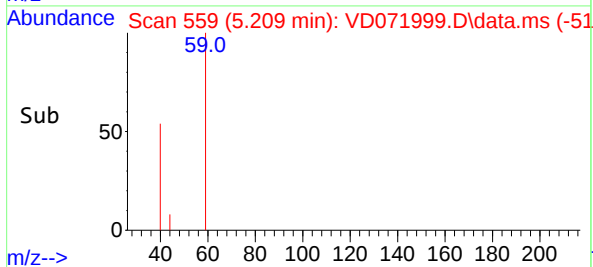
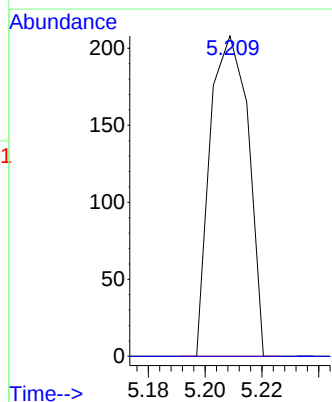
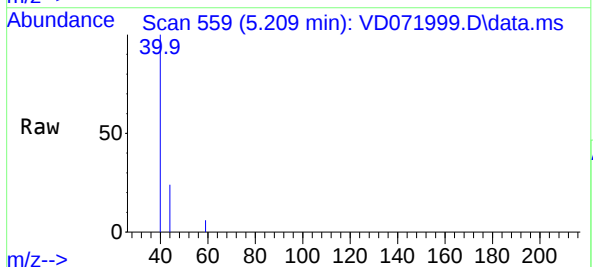
Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 324201
Ion Ratio Lower Upper
168 100
99 65.2 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

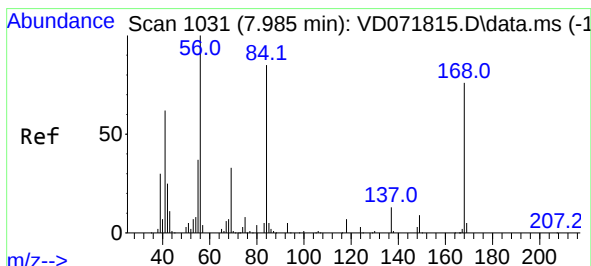
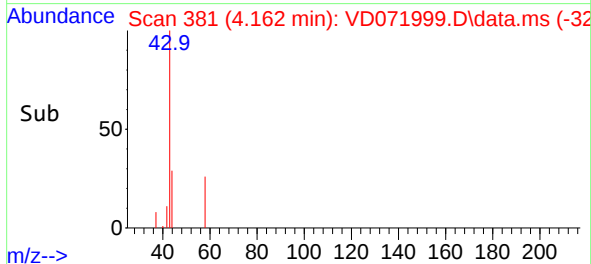
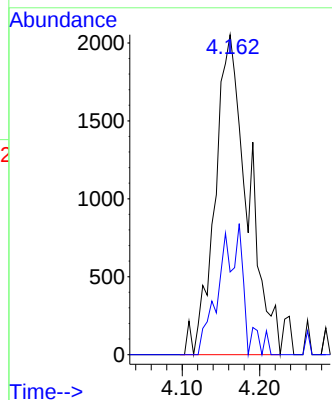
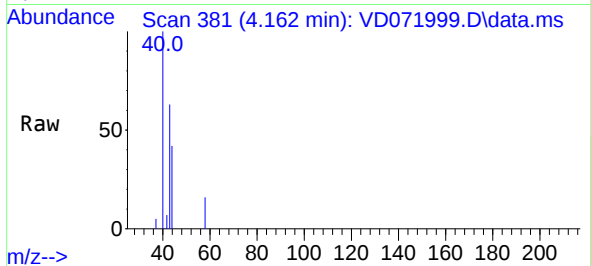




#16
Acetone
Concen: 5.397 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

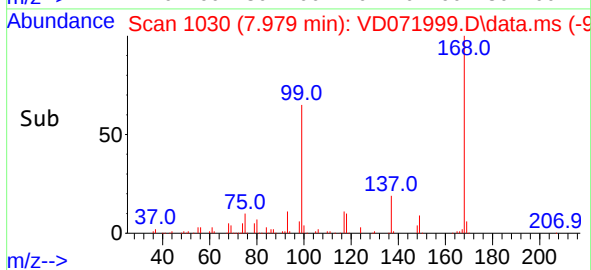
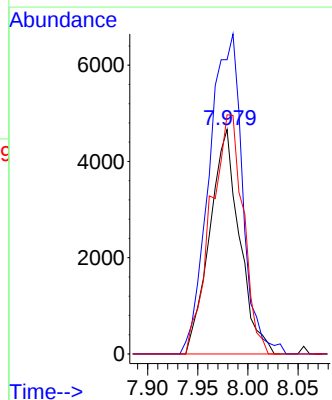
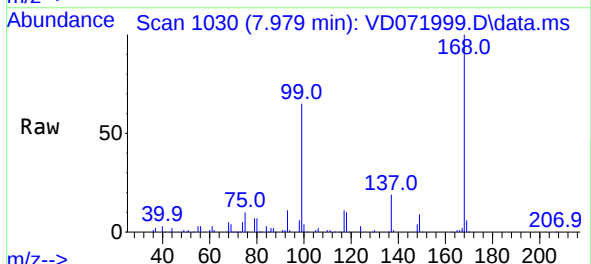
Instrument :
MSVOA_D
ClientSampleId :
TP-3

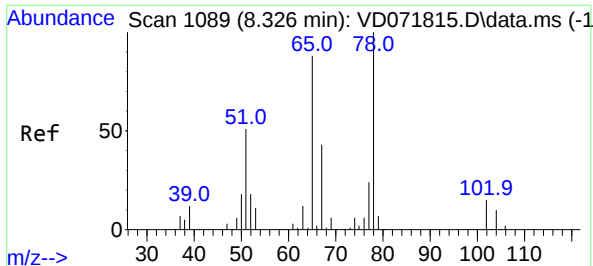
Tgt Ion: 43 Resp: 6054
Ion Ratio Lower Upper
43 100
58 25.8 22.1 33.1



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Tgt Ion: 56 Resp: 9659
Ion Ratio Lower Upper
56 100
69 131.0 25.4 38.2#
84 106.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 53.885 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071999.D

Acq: 16 Feb 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

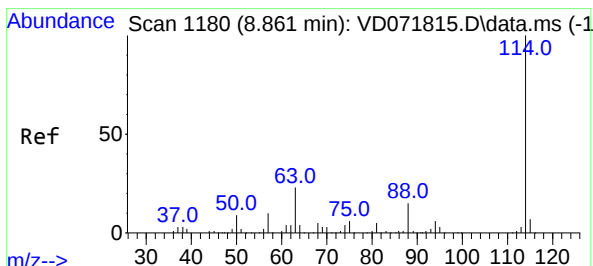
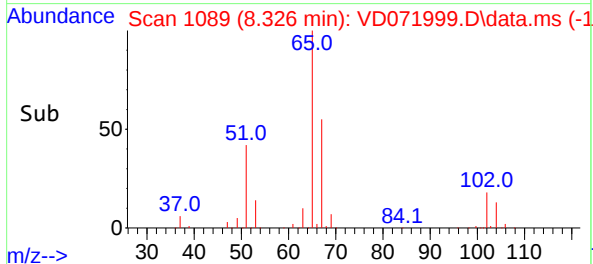
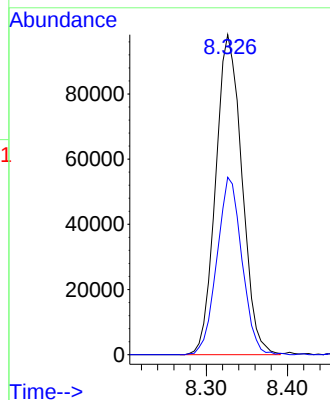
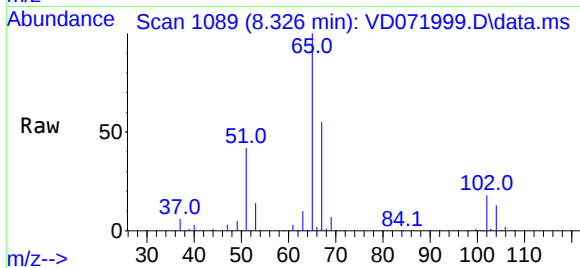
TP-3

Tgt Ion: 65 Resp: 220805

Ion Ratio Lower Upper

65 100

67 52.9 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: VD071999.D

Acq: 16 Feb 2022 18:47

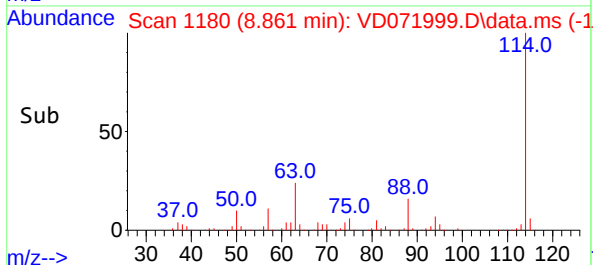
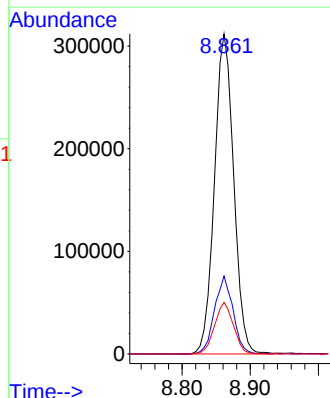
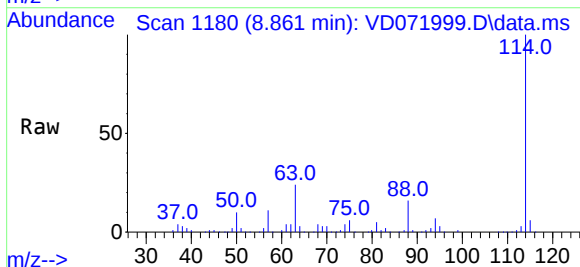
Tgt Ion: 114 Resp: 612632

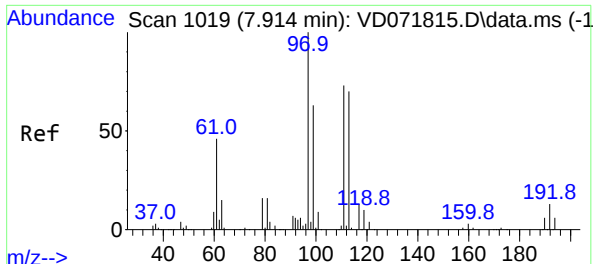
Ion Ratio Lower Upper

114 100

63 24.3 0.0 46.6

88 16.1 0.0 33.2

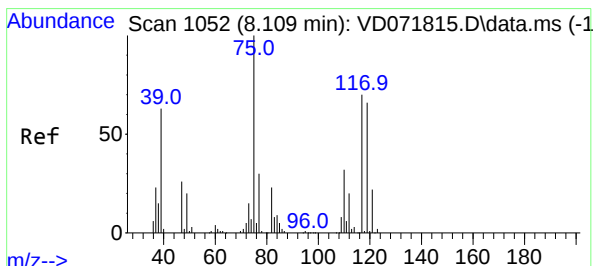
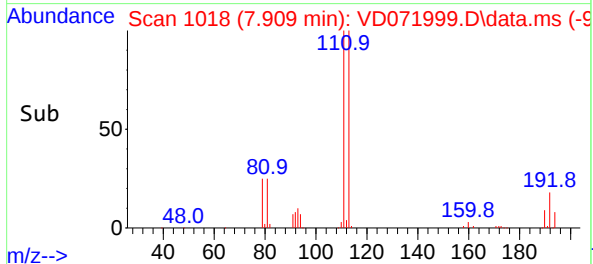
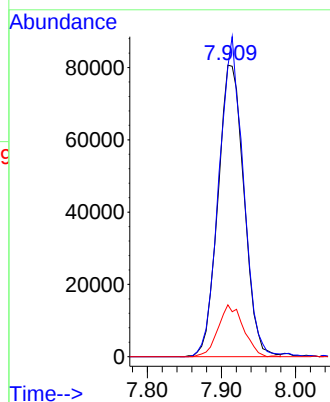
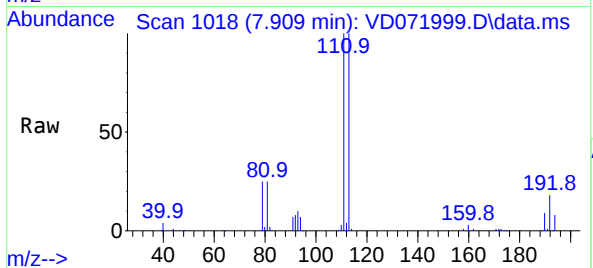




#35
Dibromofluoromethane
Concen: 48.847 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

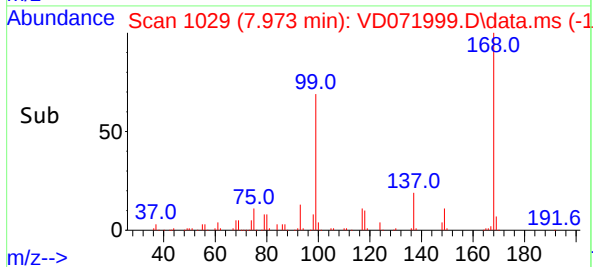
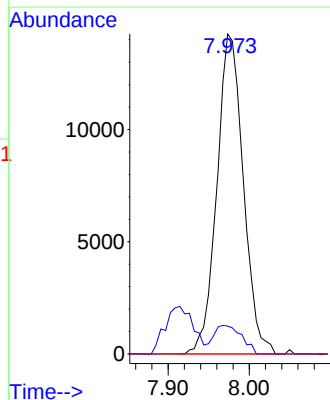
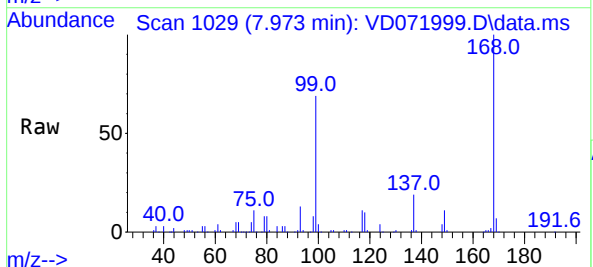
Instrument :
MSVOA_D
ClientSampleId :
TP-3

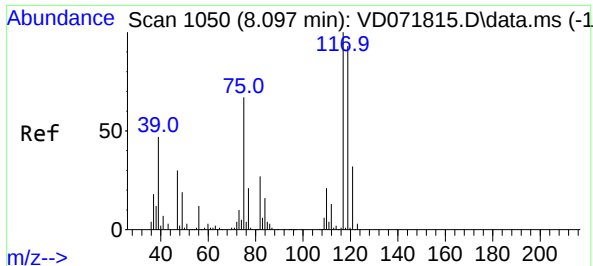
Tgt Ion:113 Resp: 196707
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Tgt Ion: 75 Resp: 32295
Ion Ratio Lower Upper
75 100
110 9.6 16.4 49.1#
77 0.0 24.2 36.2#

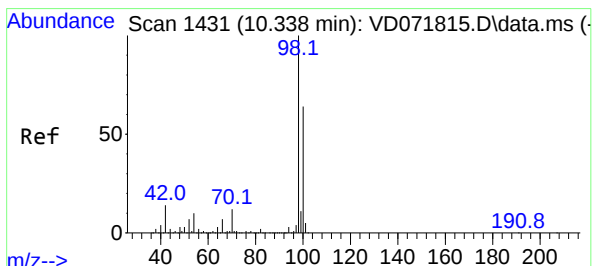
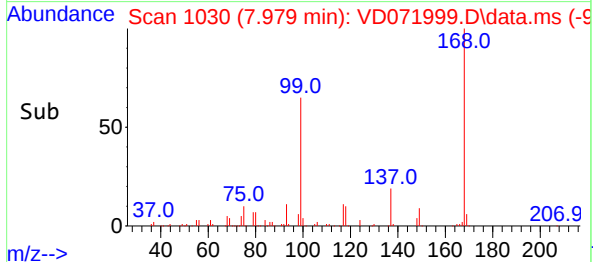
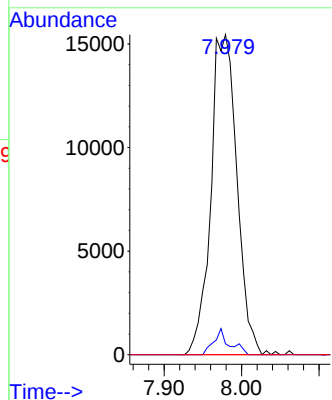
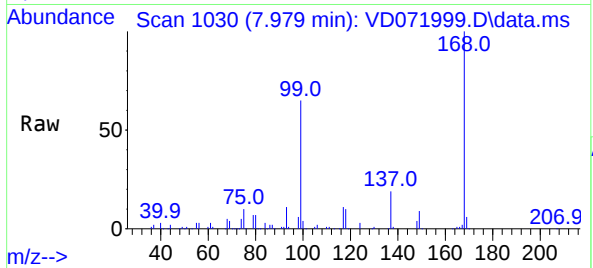




#38
Carbon Tetrachloride
Concen: 5.292 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

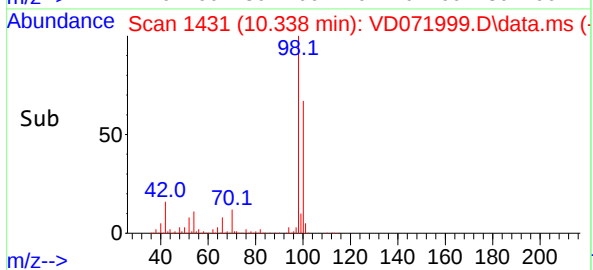
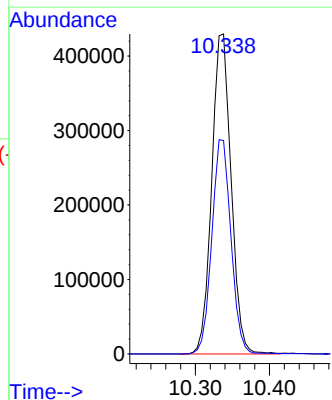
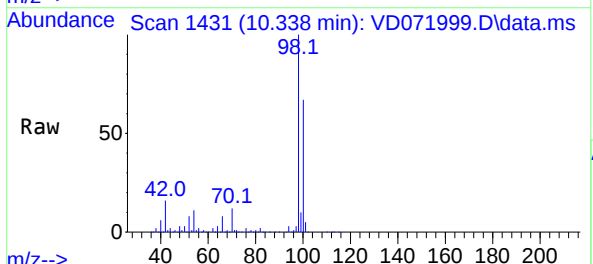
Instrument :
MSVOA_D
ClientSampleId :
TP-3

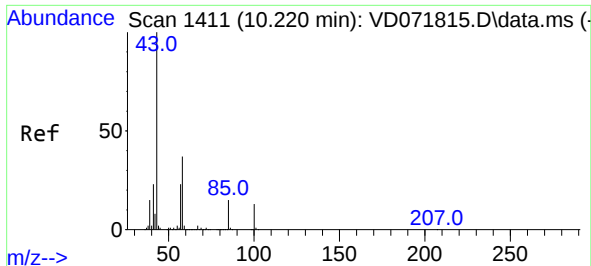
Tgt Ion:117 Resp: 36170
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.844 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Tgt Ion: 98 Resp: 779712
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.719 ug/l

RT: 10.332 min Scan# 1411

Delta R.T. 0.106 min

Lab File: VD071999.D

Acq: 16 Feb 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

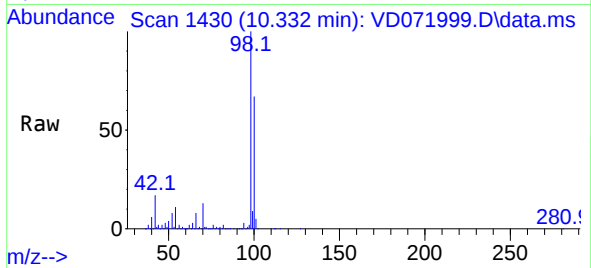
TP-3

Tgt Ion: 43 Resp: 5196

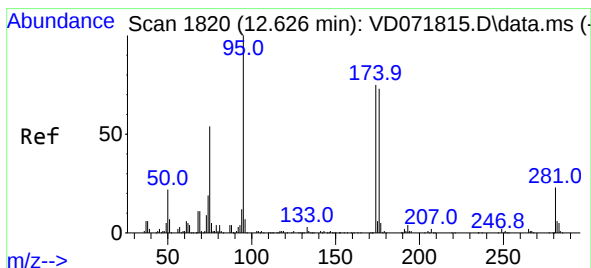
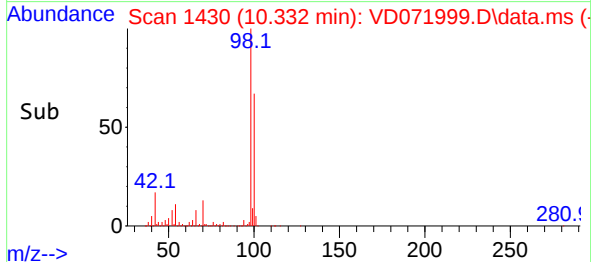
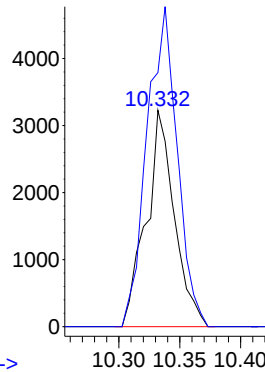
Ion Ratio Lower Upper

43 100

58 159.0 28.6 43.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 52.875 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD071999.D

Acq: 16 Feb 2022 18:47

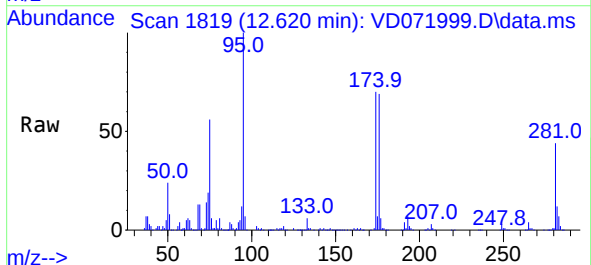
Tgt Ion: 95 Resp: 277697

Ion Ratio Lower Upper

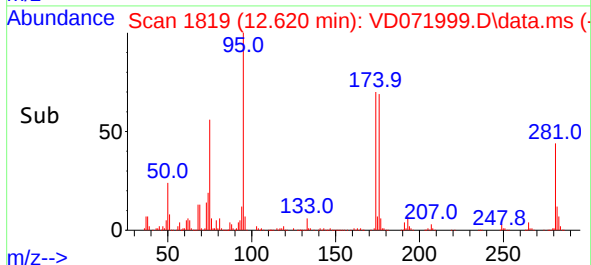
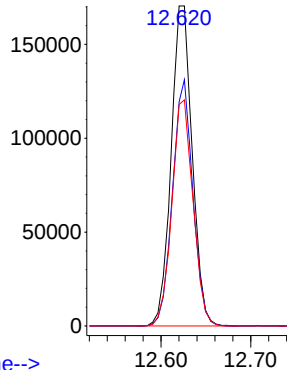
95 100

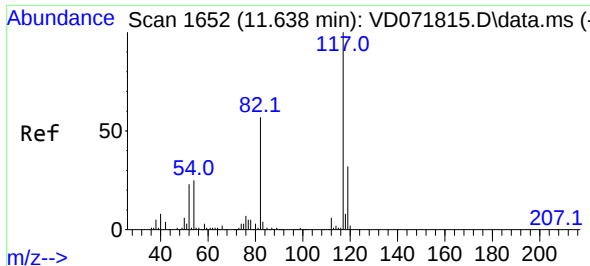
174 74.3 0.0 152.8

176 70.9 0.0 145.4



Abundance

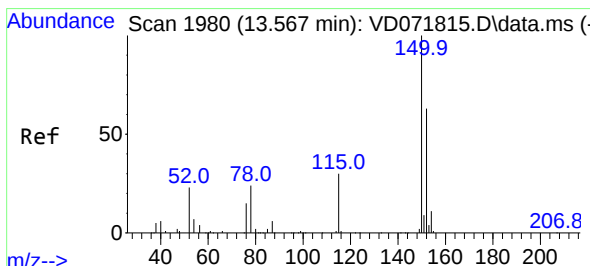
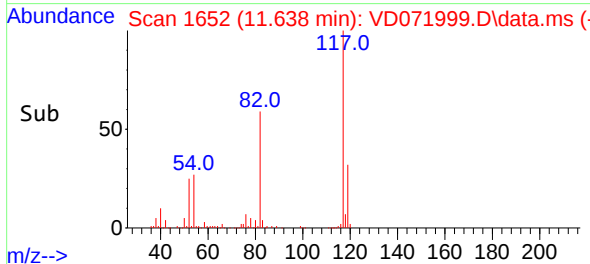
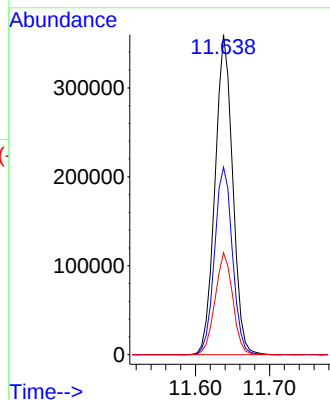
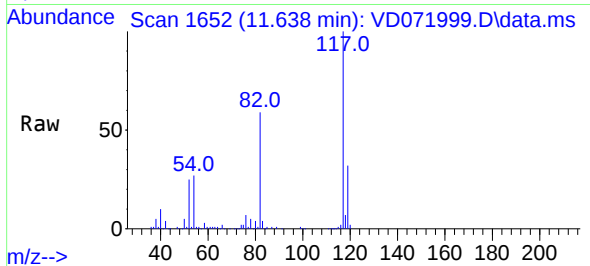




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

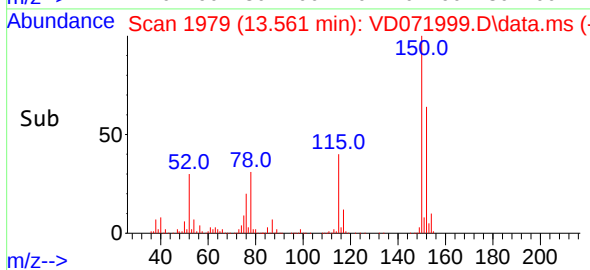
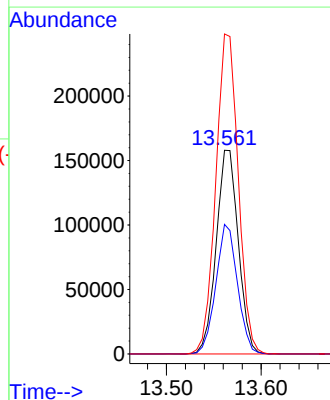
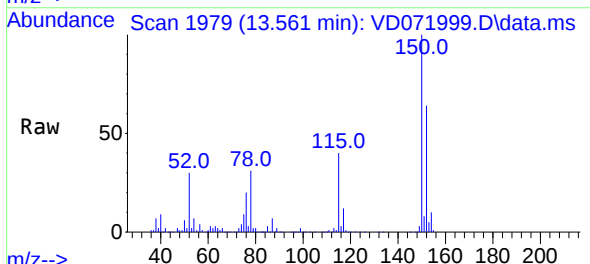
Instrument :
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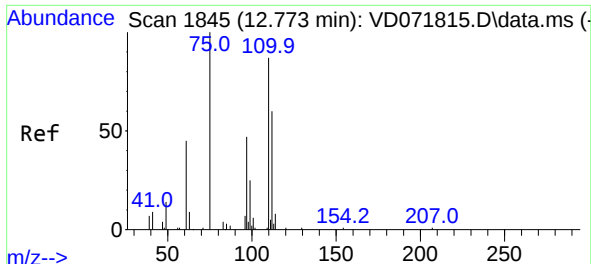
Tgt Ion:	117	Resp:	595554
Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.3	67.9
119	31.9	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Tgt Ion:	152	Resp:	256451
Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.8
150	159.7	0.0	348.6

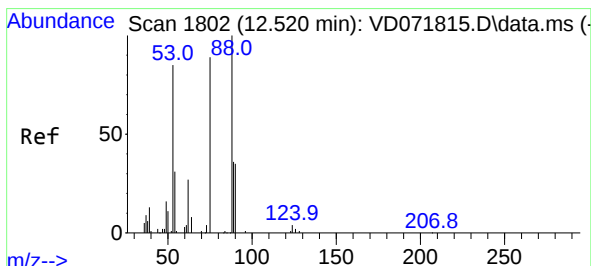
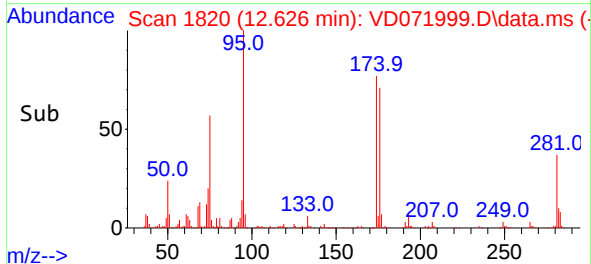
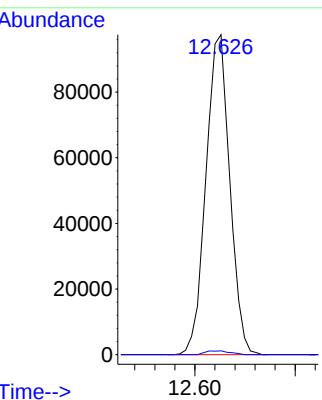
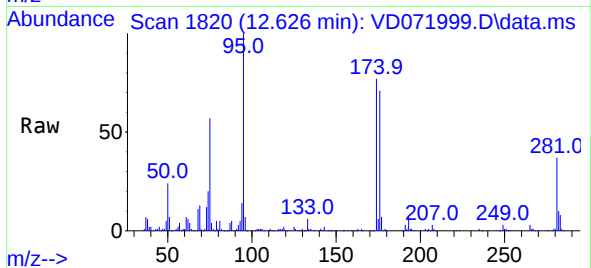




#76
1,2,3-Trichloropropane
Concen: 59.496 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 160799
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.288 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071999.D
Acq: 16 Feb 2022 18:47

Tgt Ion: 75 Resp: 160799
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.8 33.9 50.9#

