

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071503.D
 Acq On : 28 Dec 2021 15:16
 Operator : VA/SY
 Sample : M5224-02
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Dec 28 16:00:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

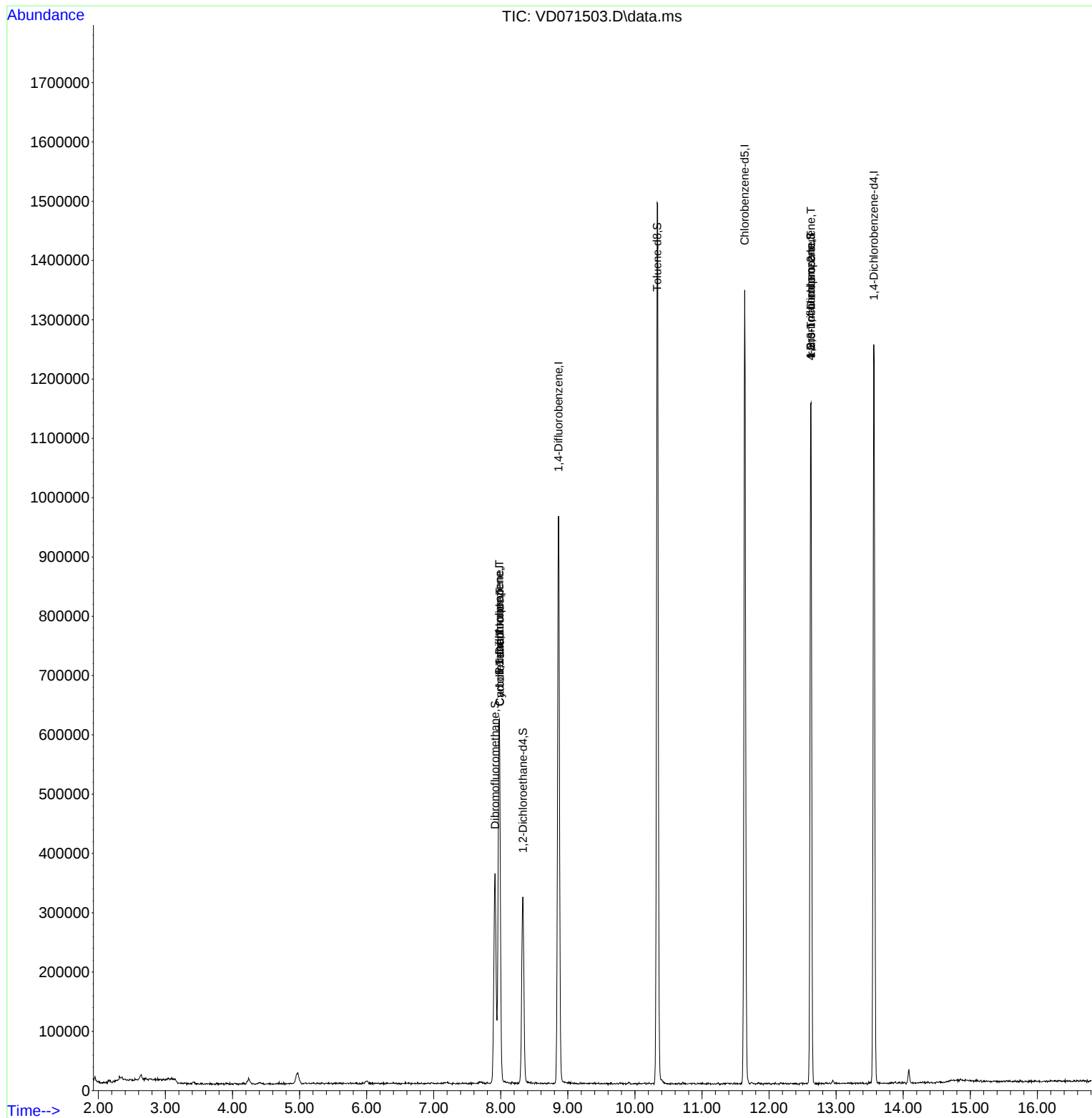
Internal Standards						
1) Pentafluorobenzene	7.979	168	443213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	772128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	708821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	255452	43.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.800%
35) Dibromofluoromethane	7.914	113	242427	46.717	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.440%
50) Toluene-d8	10.332	98	970285	49.478	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.960%
62) 4-Bromofluorobenzene	12.620	95	323967	46.490	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.209	59	68	Below Cal	#	1
20) Methylene Chloride	4.967	84	13534	Below Cal		95
31) Cyclohexane	7.985	56	14078	1.408	ug/l #	55
36) 1,1-Dichloropropene	7.979	75	39739	4.793	ug/l #	50
38) Carbon Tetrachloride	7.985	117	47720	5.834	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	186381	52.018	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	186381	146.978	ug/l #	18

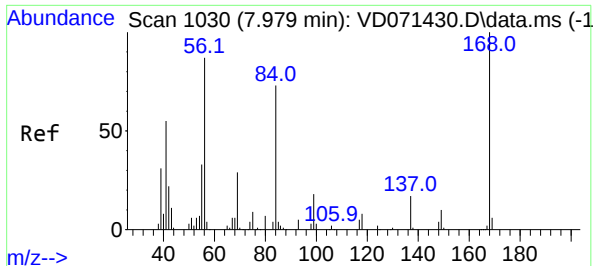
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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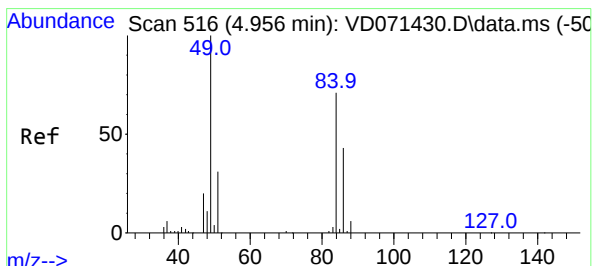
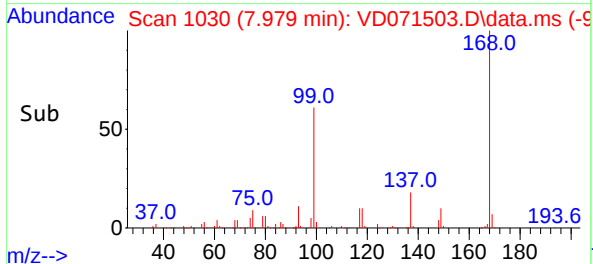
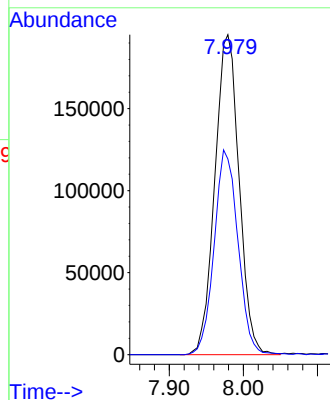
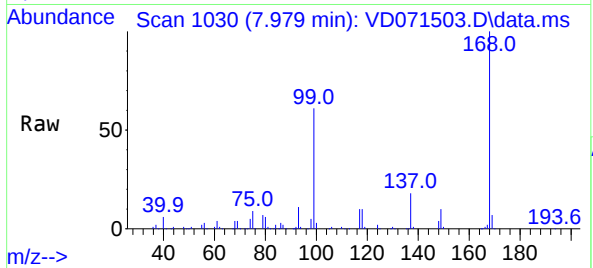




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

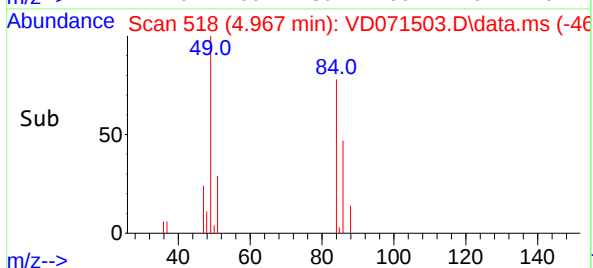
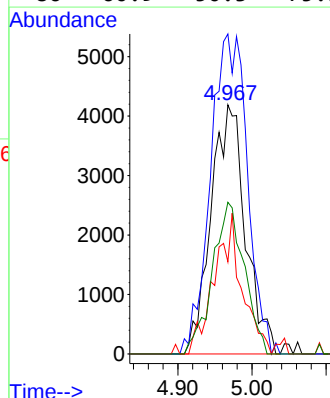
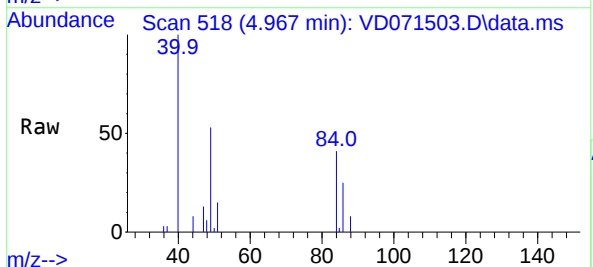
Instrument :
MSVOA_D
ClientSampleId :
SB-2

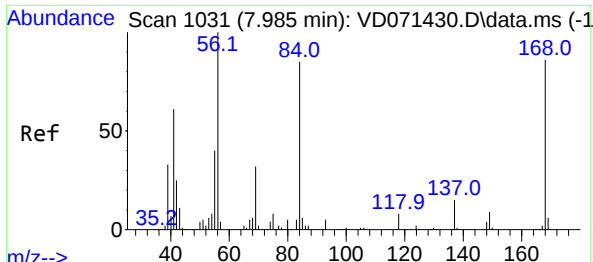
Tgt Ion:168 Resp: 443213
Ion Ratio Lower Upper
168 100
99 61.2 46.6 69.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

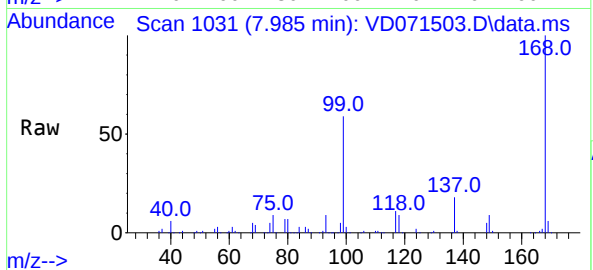
Tgt Ion: 84 Resp: 13534
Ion Ratio Lower Upper
84 100
49 128.5 95.8 143.6
51 37.0 30.9 46.3
86 60.9 50.3 75.5



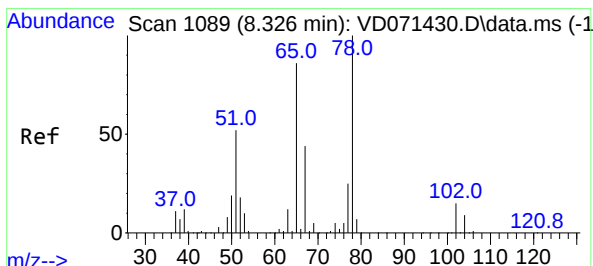
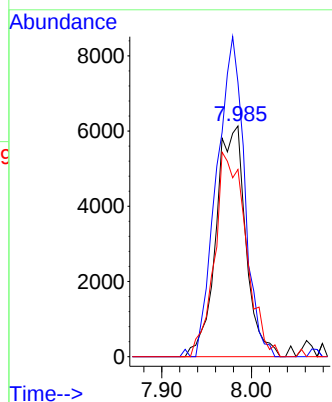
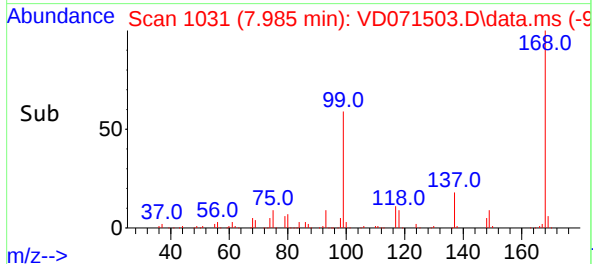


#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

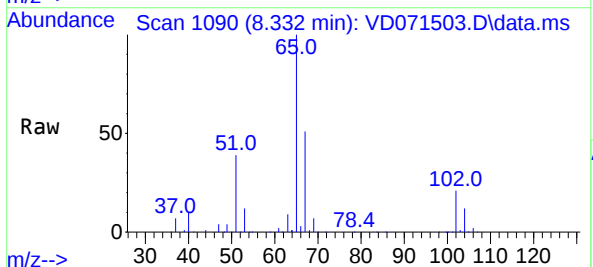
Instrument :
MSVOA_D
ClientSampleId :
SB-2



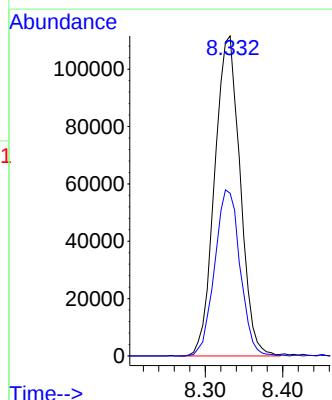
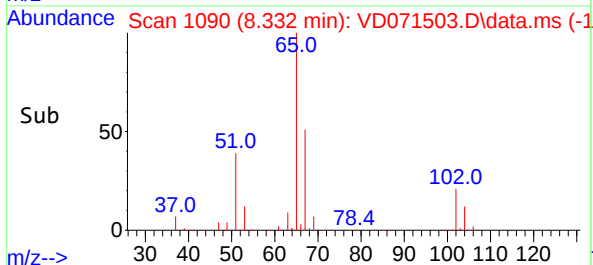
Tgt Ion: 56 Resp: 14078
Ion Ratio Lower Upper
56 100
69 118.9 25.9 38.9#
84 81.2 64.3 96.5

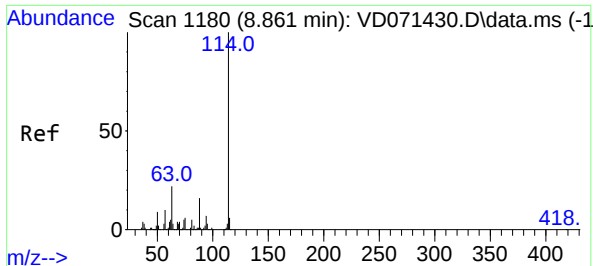


#33
1,2-Dichloroethane-d4
Concen: 43.398 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16



Tgt Ion: 65 Resp: 255452
Ion Ratio Lower Upper
65 100
67 51.7 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071503.D

Acq: 28 Dec 2021 15:16

Instrument :

MSVOA_D

ClientSampleId :

SB-2

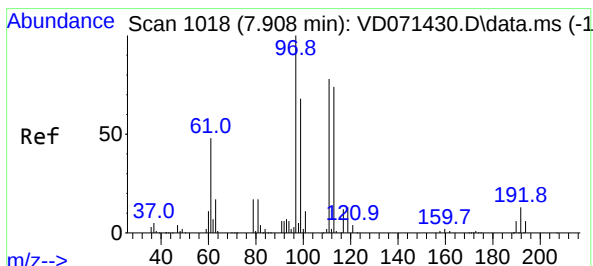
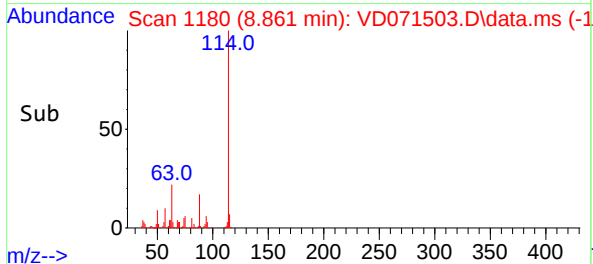
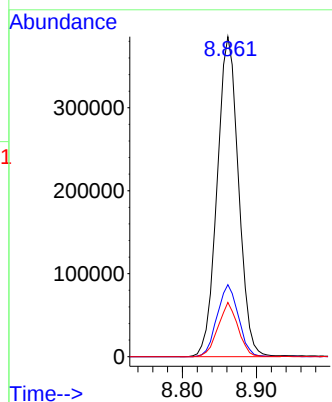
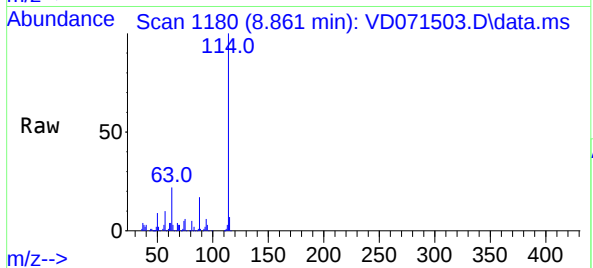
Tgt Ion:114 Resp: 772128

Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 17.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.717 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071503.D

Acq: 28 Dec 2021 15:16

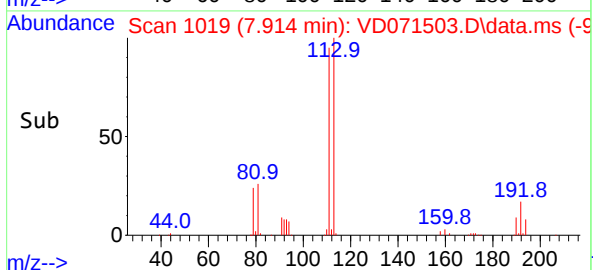
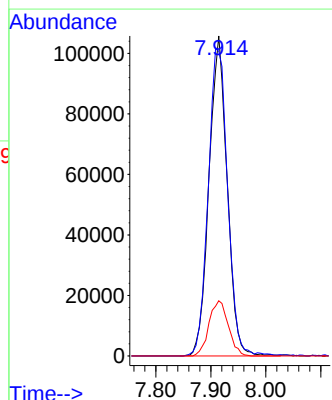
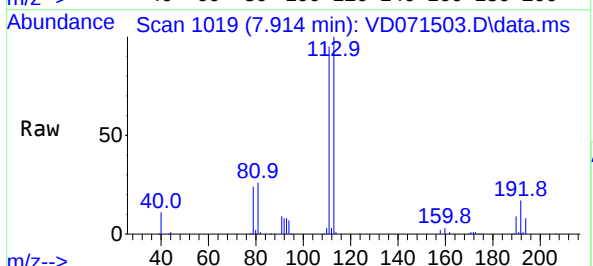
Tgt Ion:113 Resp: 242427

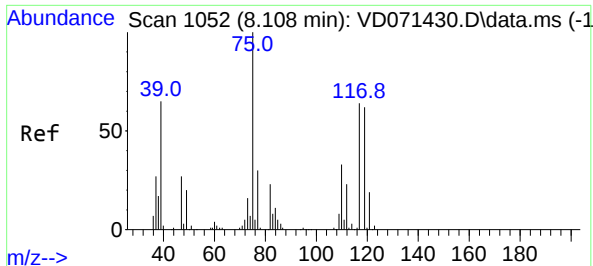
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 18.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071503.D

Acq: 28 Dec 2021 15:16

Instrument :

MSVOA_D

ClientSampleId :

SB-2

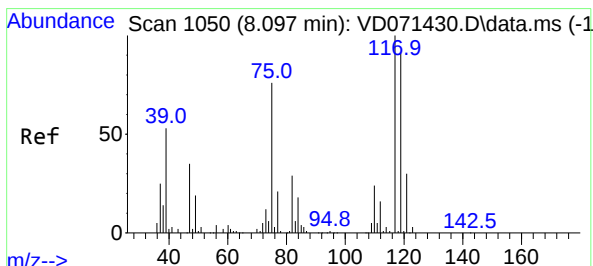
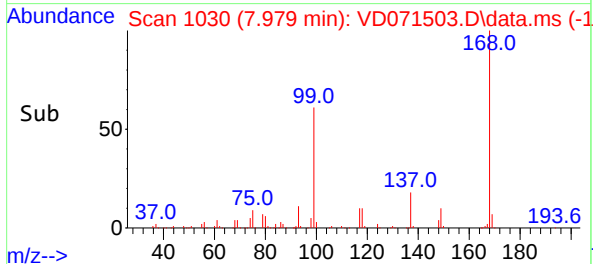
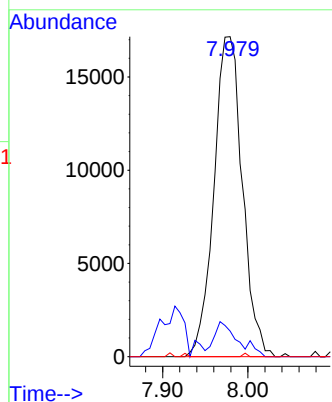
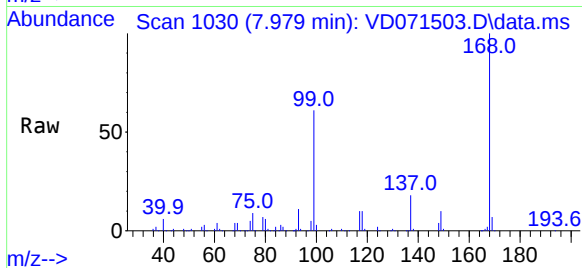
Tgt Ion: 75 Resp: 39739

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD071503.D

Acq: 28 Dec 2021 15:16

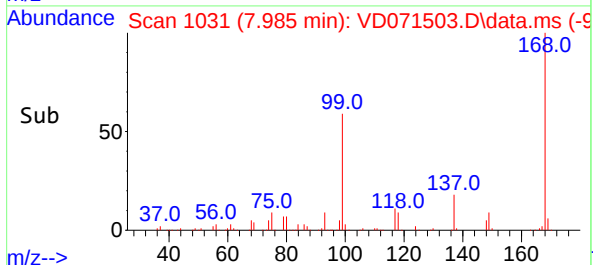
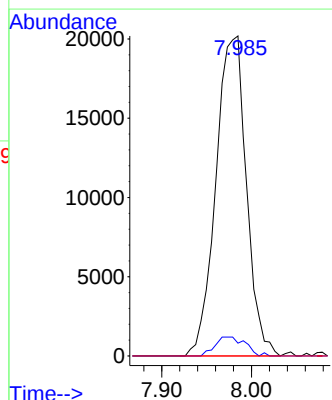
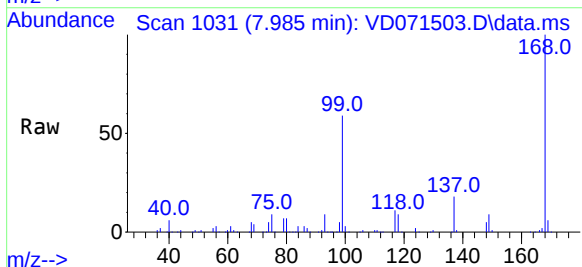
Tgt Ion: 117 Resp: 47720

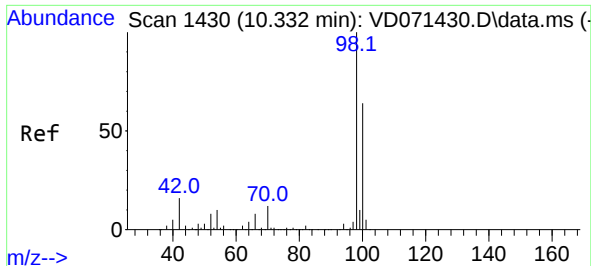
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

121 0.0 23.6 35.4#

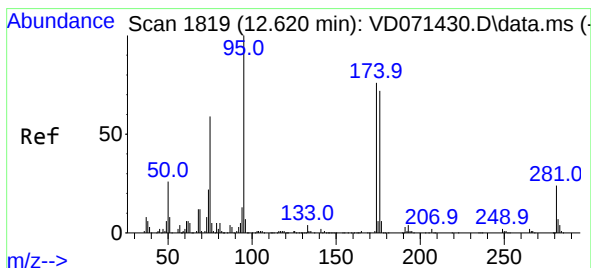
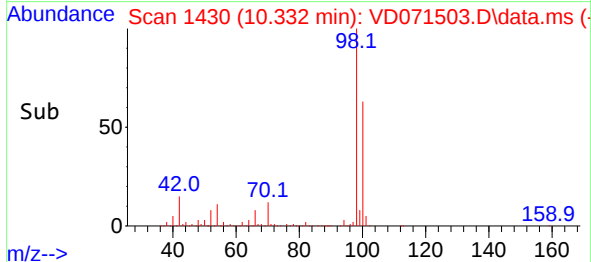
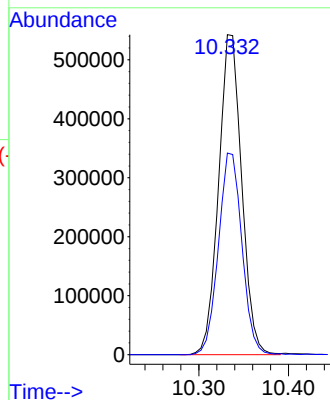
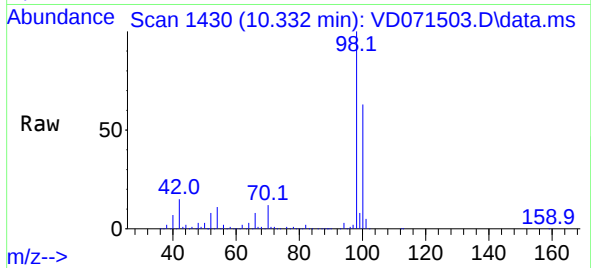




#50
Toluene-d8
Concen: 49.478 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

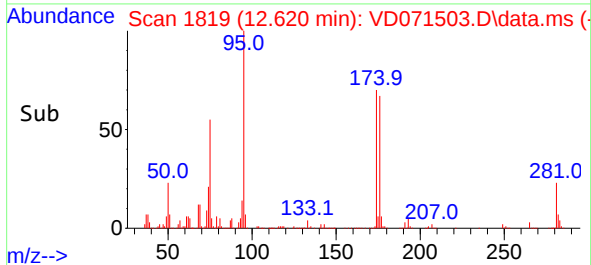
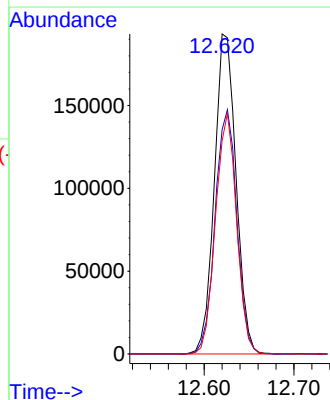
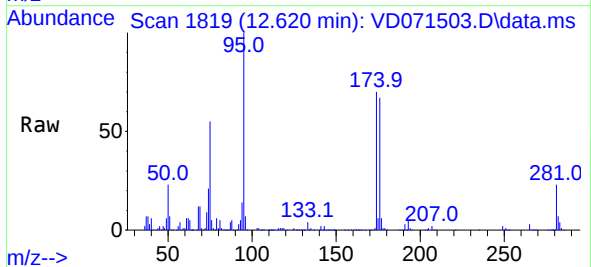
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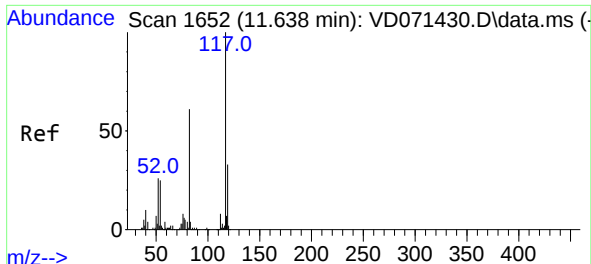
Tgt Ion: 98 Resp: 970285
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 46.490 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

Tgt Ion: 95 Resp: 323967
Ion Ratio Lower Upper
95 100
174 76.5 0.0 159.4
176 72.9 0.0 154.0

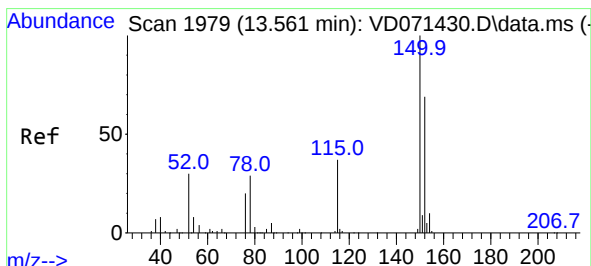
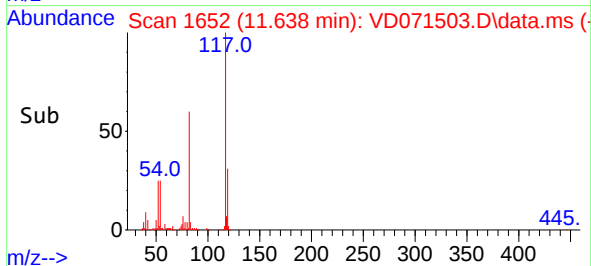
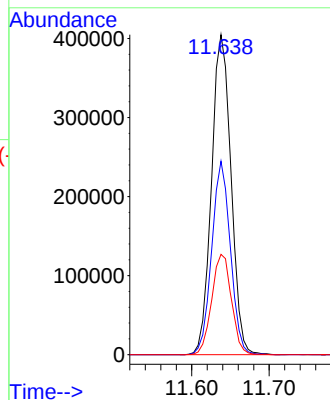
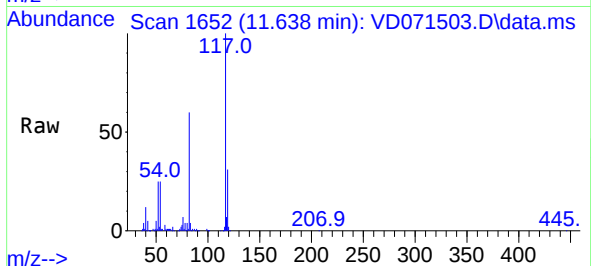




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

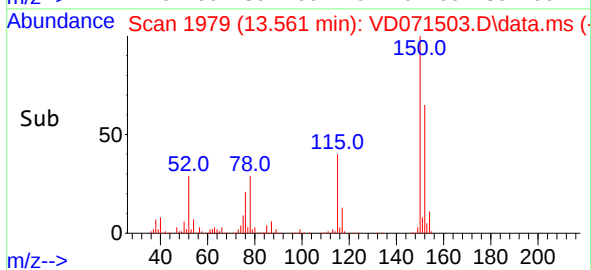
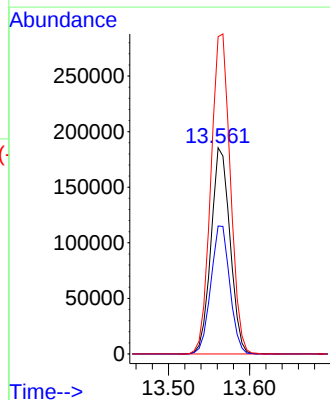
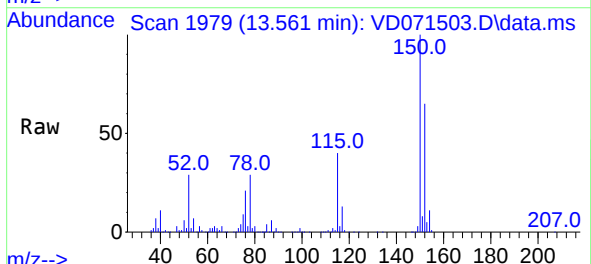
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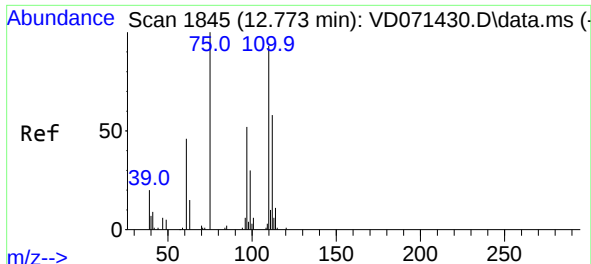
Tgt Ion:117 Resp: 708821
Ion Ratio Lower Upper
117 100
82 60.4 44.7 67.1
119 31.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

Tgt Ion:152 Resp: 301556
Ion Ratio Lower Upper
152 100
115 61.9 29.8 89.3
150 158.8 0.0 349.2

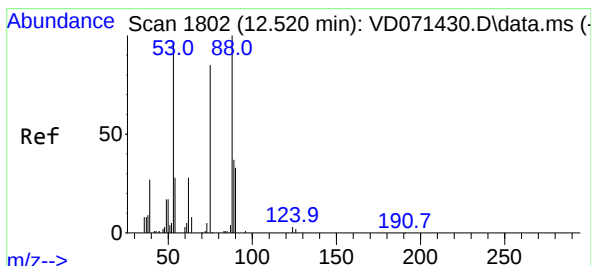
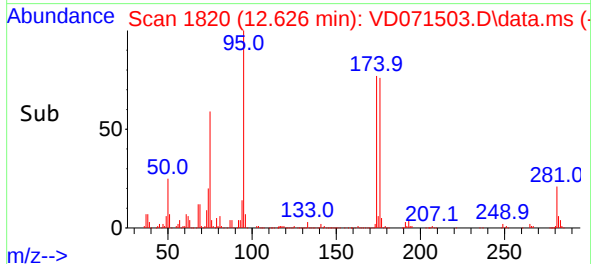
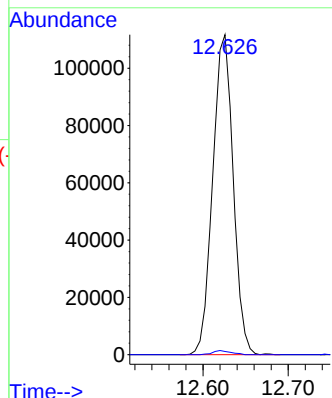
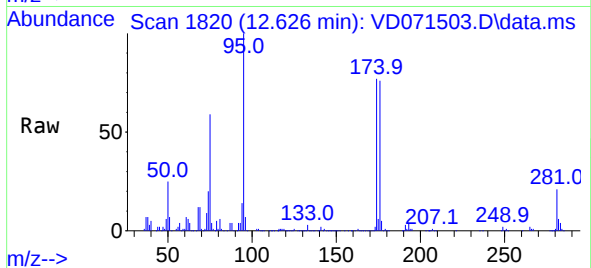




#76
1,2,3-Trichloropropane
Concen: 52.018 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

Instrument :
MSVOA_D
ClientSampleId :
SB-2

Tgt Ion: 75 Resp: 186381
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.978 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071503.D
Acq: 28 Dec 2021 15:16

Tgt Ion: 75 Resp: 186381
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.4 34.5 51.7#

