

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122921\
 Data File : VD071524.D
 Acq On : 29 Dec 2021 13:05
 Operator : VA/SY
 Sample : M5230-05
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC124030

Quant Time: Dec 29 15:28:19 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)

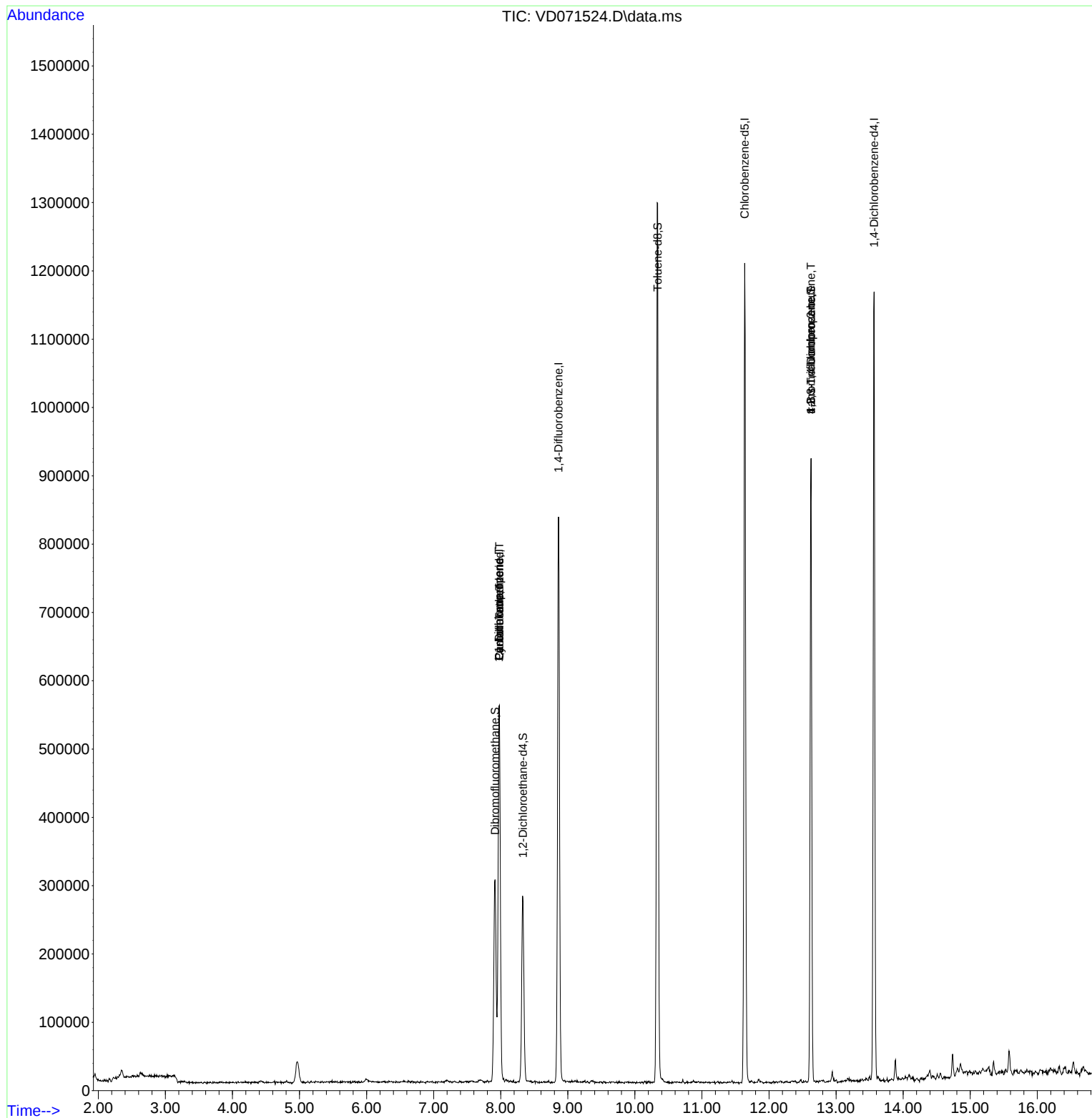
Internal Standards						
1) Pentafluorobenzene	7.979	168	377645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	663596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	623988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	277519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	218248	43.515	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.040%
35) Dibromofluoromethane	7.914	113	209795	47.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.080%
50) Toluene-d8	10.338	98	837373	49.684	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.626	95	280077	46.765	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.520%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.962	84	21269	Below Cal	#	82
31) Cyclohexane	7.979	56	12516	1.469	ug/l #	33
36) 1,1-Dichloropropene	7.973	75	35952	5.046	ug/l #	49
38) Carbon Tetrachloride	7.979	117	42686	6.072	ug/l #	18
76) 1,2,3-Trichloropropane	12.626	75	161084	48.851	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	161084	138.031	ug/l #	18

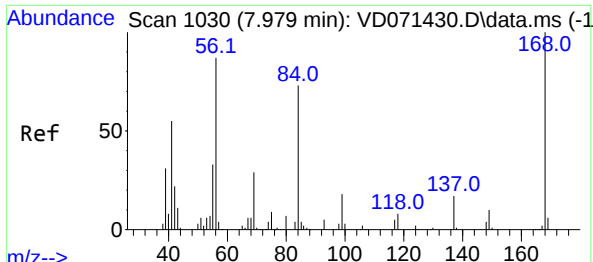
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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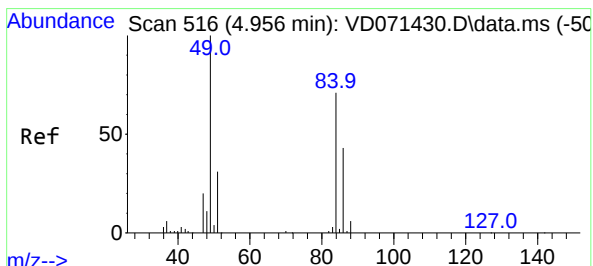
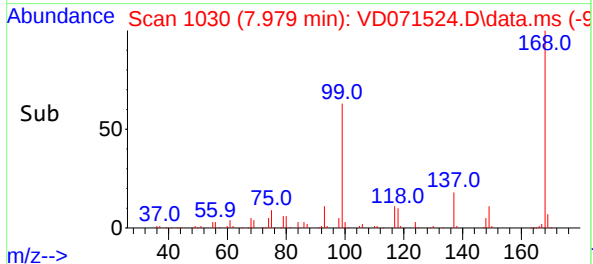
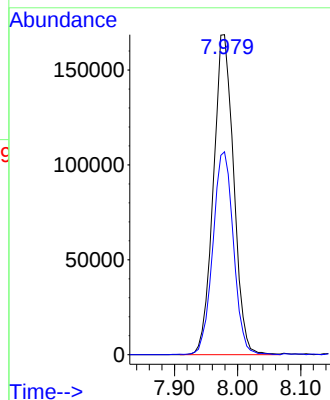
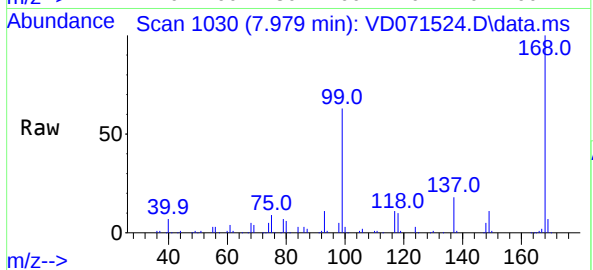




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

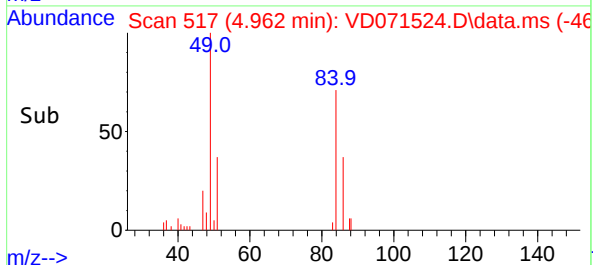
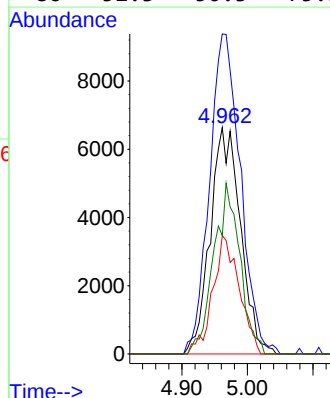
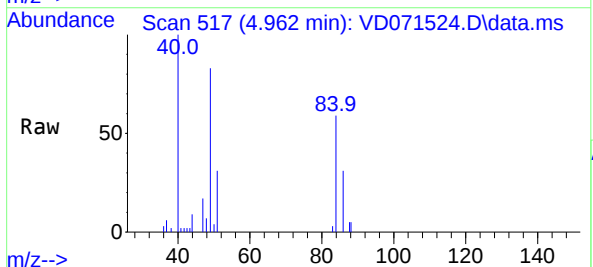
Instrument :
MSVOA_D
ClientSampleId :
PSC124030

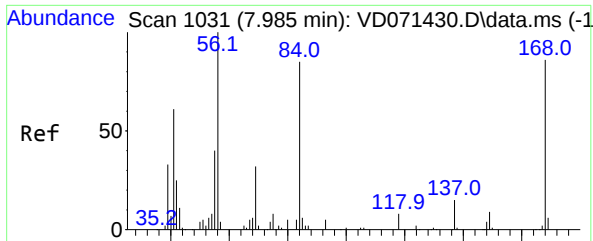
Tgt Ion:168 Resp: 377645
Ion Ratio Lower Upper
168 100
99 63.4 46.6 69.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

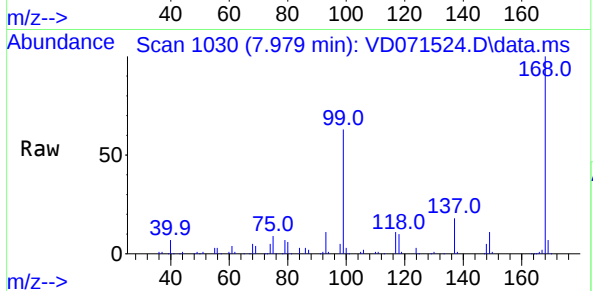
Tgt Ion: 84 Resp: 21269
Ion Ratio Lower Upper
84 100
49 141.4 95.8 143.6
51 52.4 30.9 46.3#
86 52.3 50.3 75.5



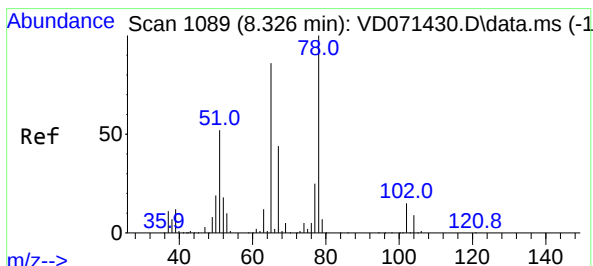
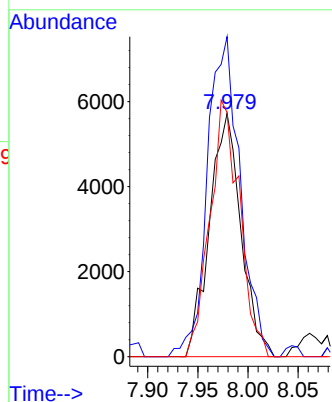
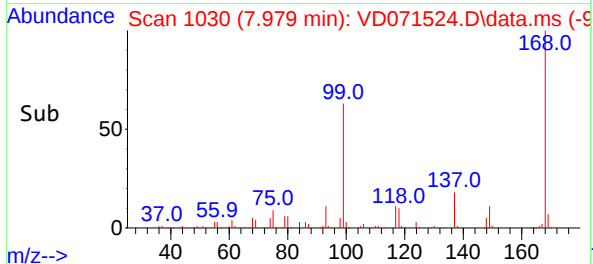


#31
Cyclohexane
Concen: 1.469 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

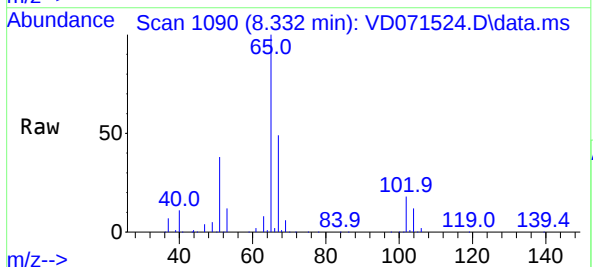
Instrument :
MSVOA_D
ClientSampleId :
PSC124030



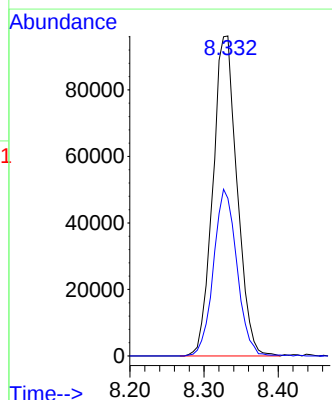
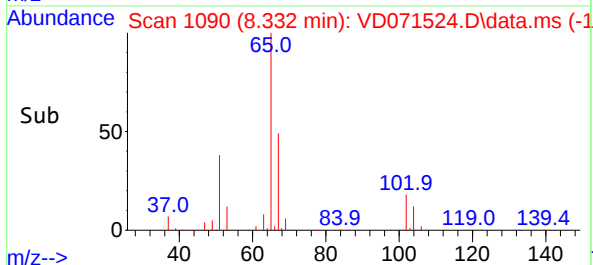
Tgt Ion: 56 Resp: 12516
Ion Ratio Lower Upper
56 100
69 131.6 25.9 38.9#
84 100.4 64.3 96.5#

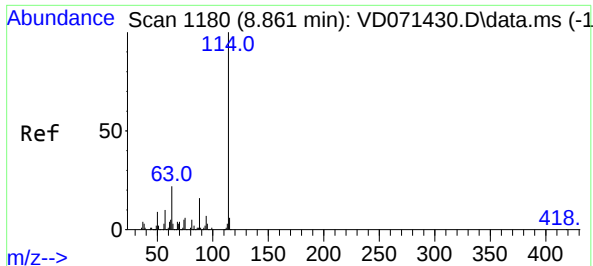


#33
1,2-Dichloroethane-d4
Concen: 43.515 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05



Tgt Ion: 65 Resp: 218248
Ion Ratio Lower Upper
65 100
67 50.4 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: VD071524.D

Acq: 29 Dec 2021 13:05

Instrument :

MSVOA_D

ClientSampleId :

PSC124030

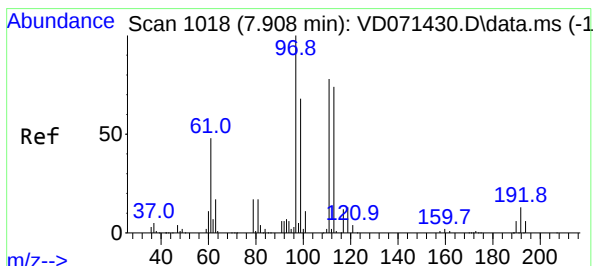
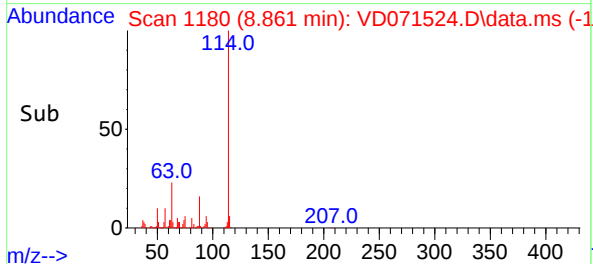
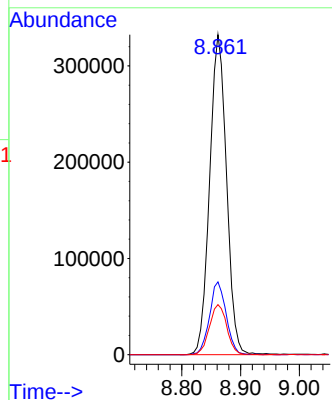
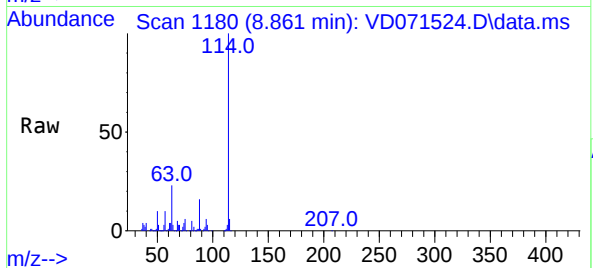
Tgt Ion:114 Resp: 663596

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.040 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071524.D

Acq: 29 Dec 2021 13:05

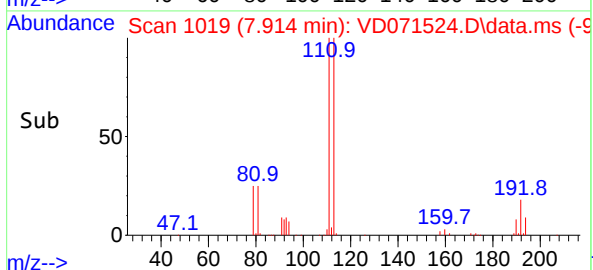
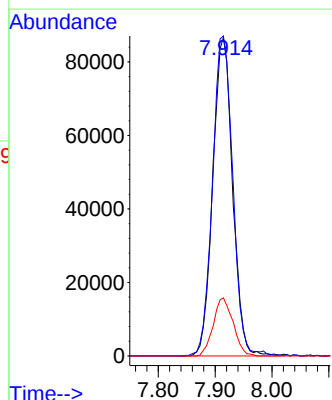
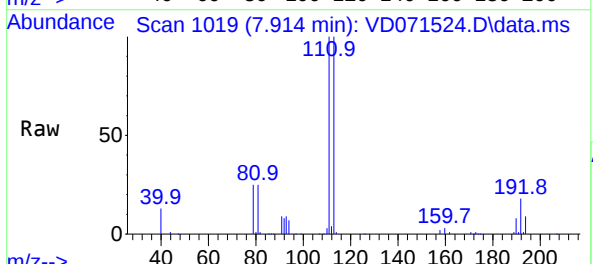
Tgt Ion:113 Resp: 209795

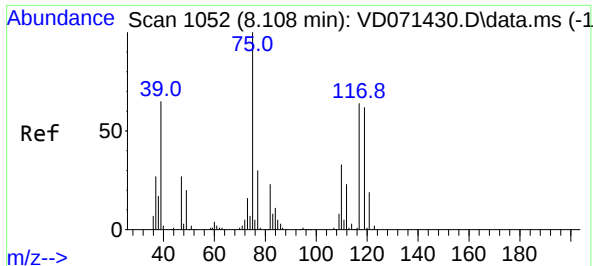
Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071524.D

Acq: 29 Dec 2021 13:05

Instrument :

MSVOA_D

ClientSampleId :

PSC124030

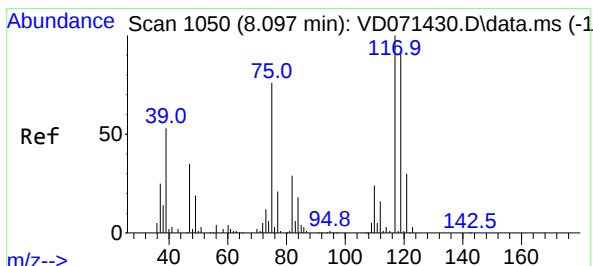
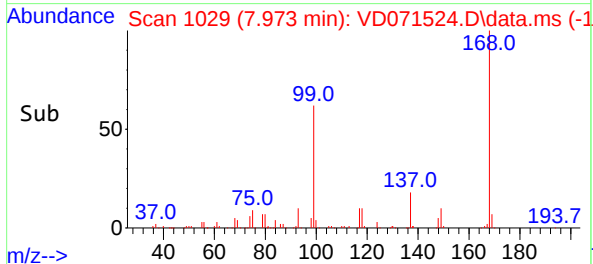
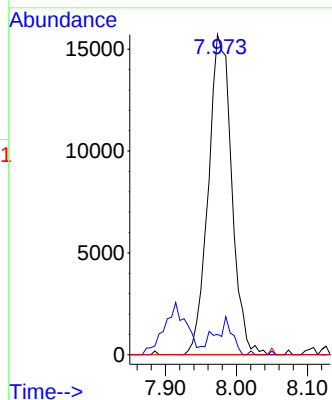
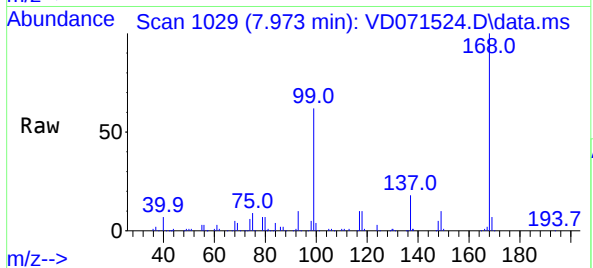
Tgt Ion: 75 Resp: 35952

Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071524.D

Acq: 29 Dec 2021 13:05

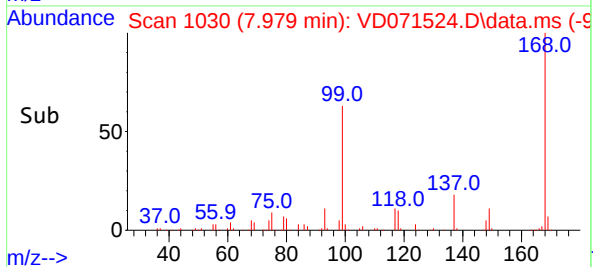
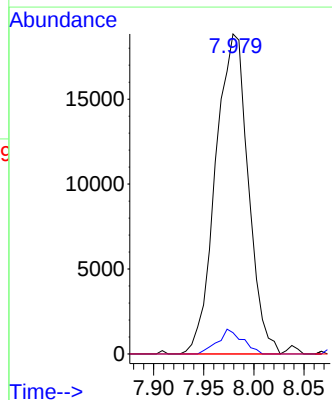
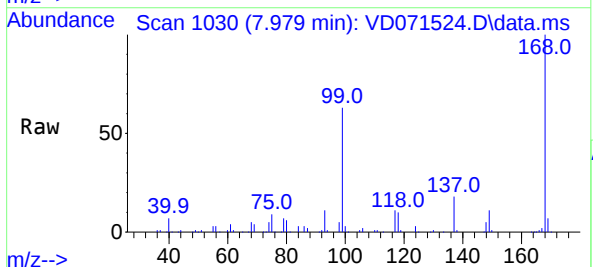
Tgt Ion: 117 Resp: 42686

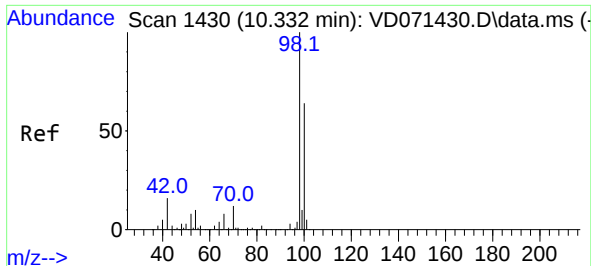
Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 23.6 35.4#

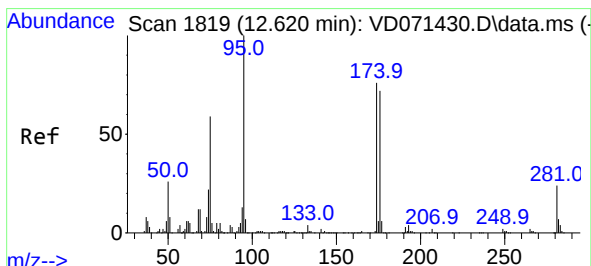
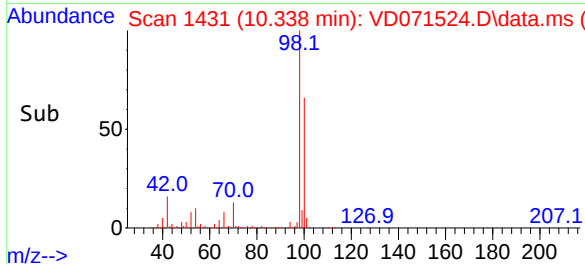
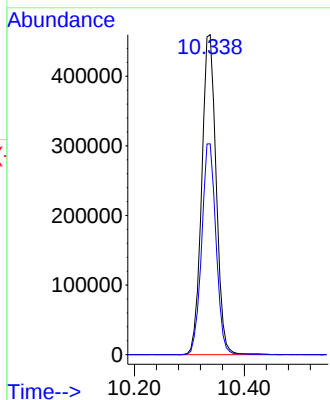
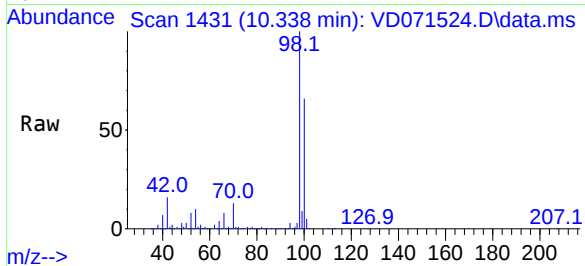




#50
Toluene-d8
Concen: 49.684 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

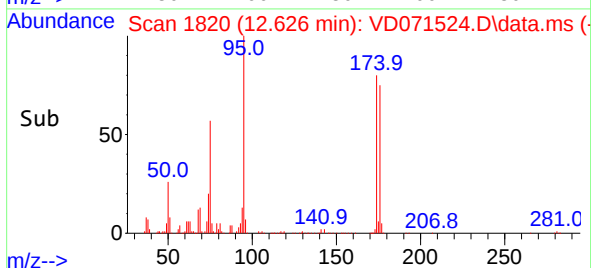
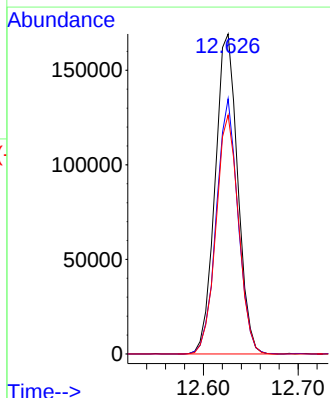
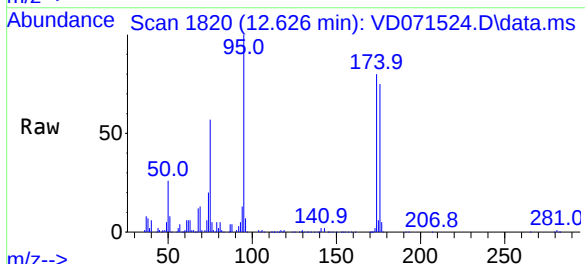
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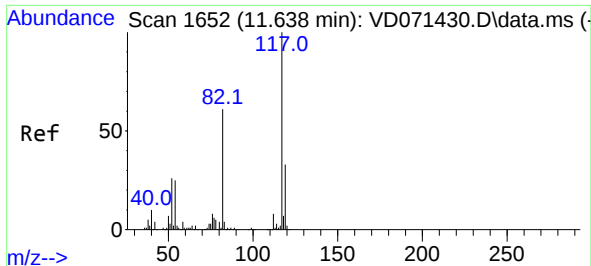
Tgt Ion: 98 Resp: 837373
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 46.765 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

Tgt Ion: 95 Resp: 280077
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.4
176 74.3 0.0 154.0

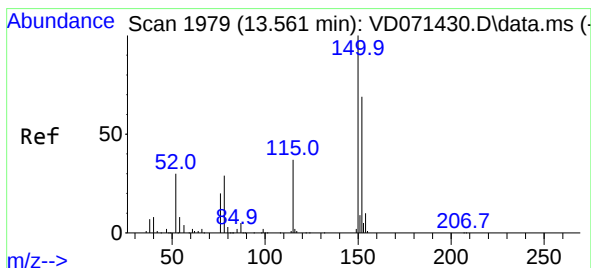
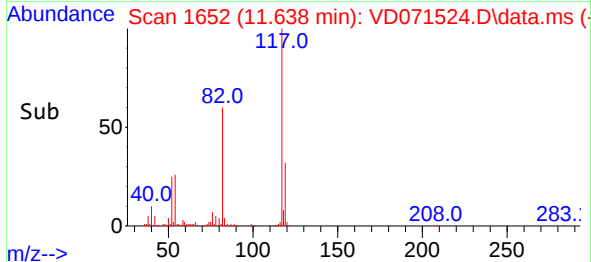
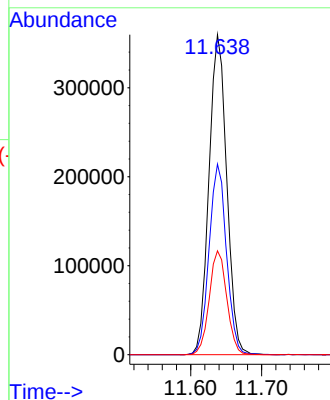
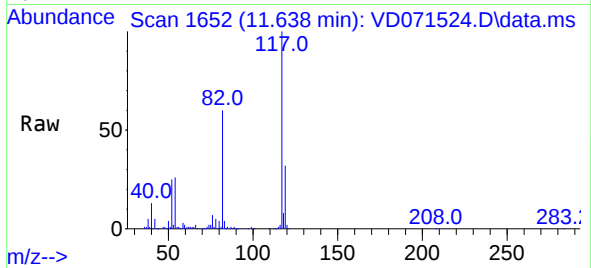




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

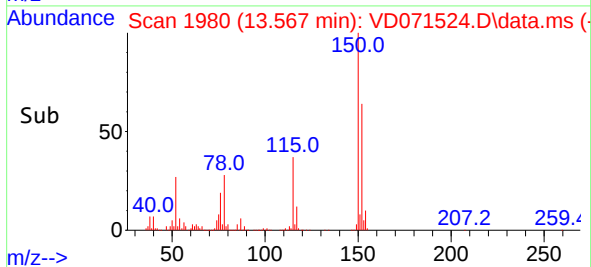
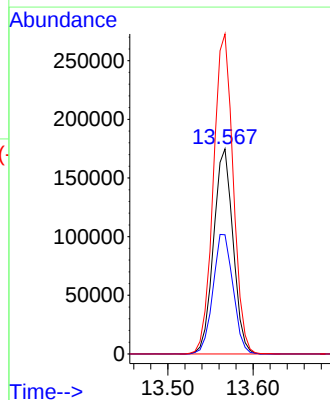
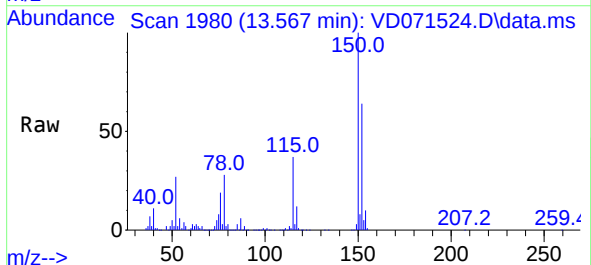
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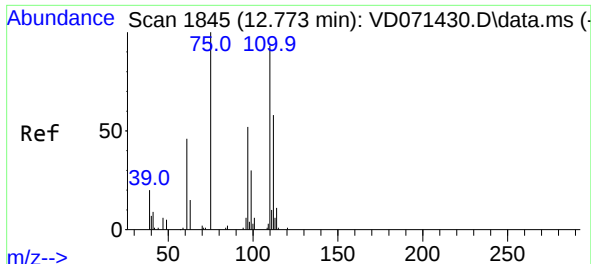
Tgt Ion:117 Resp: 623988
Ion Ratio Lower Upper
117 100
82 59.6 44.7 67.1
119 32.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

Tgt Ion:152 Resp: 277519
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.3
150 158.6 0.0 349.2

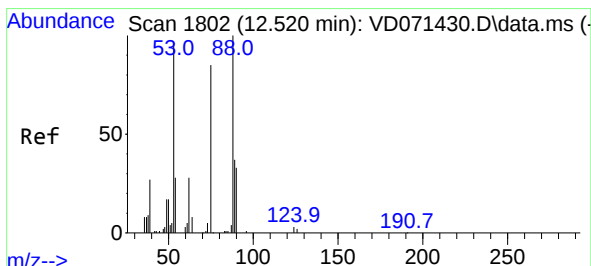
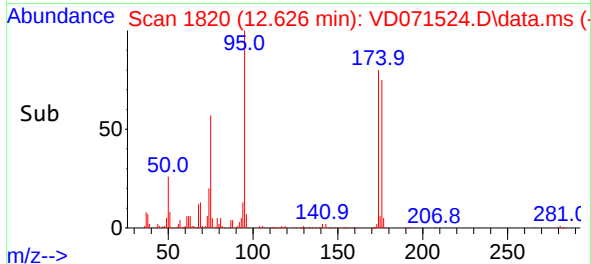
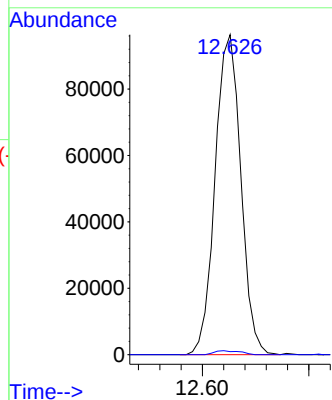
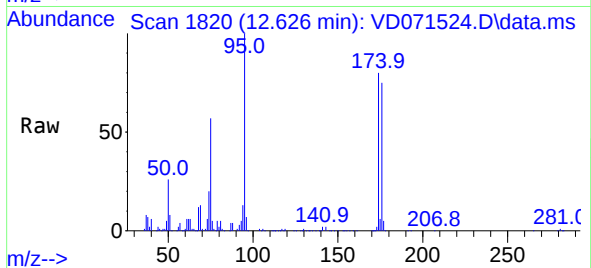




#76
1,2,3-Trichloropropane
Concen: 48.851 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

Instrument :
MSVOA_D
ClientSampleId :
PSC124030

Tgt Ion: 75 Resp: 161084
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.031 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071524.D
Acq: 29 Dec 2021 13:05

Tgt Ion: 75 Resp: 161084
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

