

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076257.D
 Acq On : 26 May 2023 14:12
 Operator : KP/SY
 Sample : 02913-01RE
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-70A

Quant Time: May 26 23:16:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

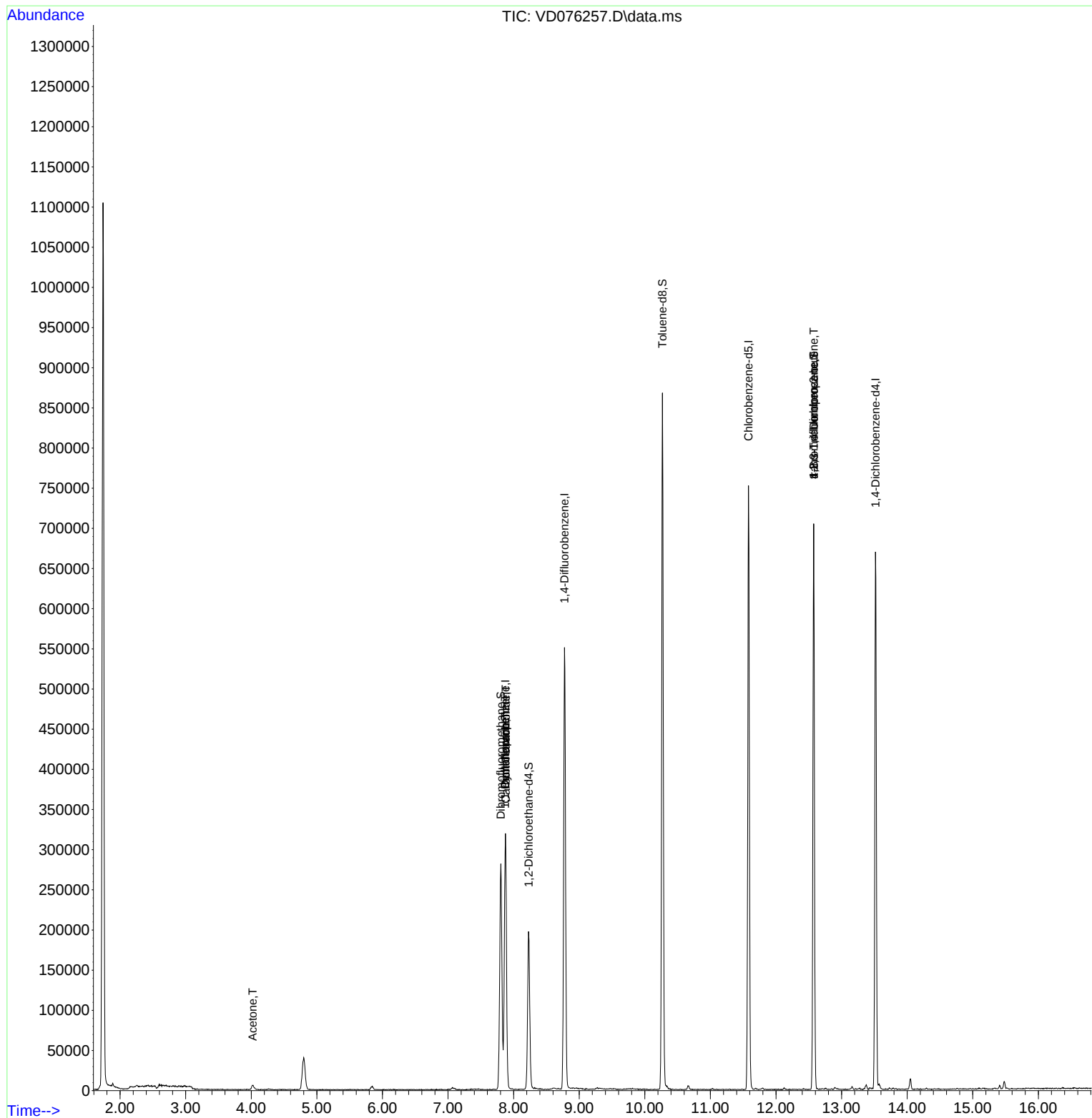
Internal Standards						
1) Pentafluorobenzene	7.875	168	263904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	525489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	464296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	194194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	147244	57.730	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.460%	
35) Dibromofluoromethane	7.805	113	204370	56.265	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.540%	
50) Toluene-d8	10.269	98	611184	43.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.320%	
62) 4-Bromofluorobenzene	12.575	95	208971	53.128	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	454	Below Cal	#	40
16) Acetone	4.022	43	9528	18.776	ug/l	90
17) Carbon Disulfide	4.275	76	1111	Below Cal	#	73
31) Cyclohexane	7.875	56	5034	1.289	ug/l	# 1
36) 1,1-Dichloropropene	7.869	75	19538	3.983	ug/l	# 50
38) Carbon Tetrachloride	7.881	117	24458	5.520	ug/l	# 18
76) 1,2,3-Trichloropropane	12.575	75	105323	61.978	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	105323	130.020	ug/l	# 5

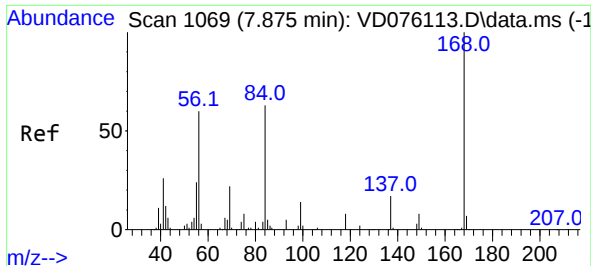
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

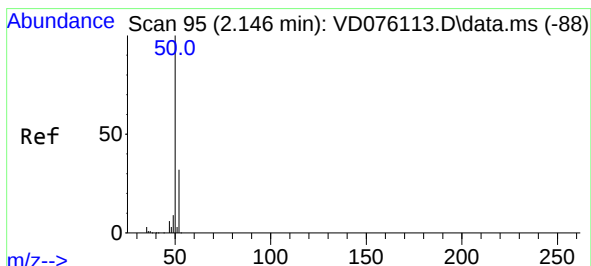
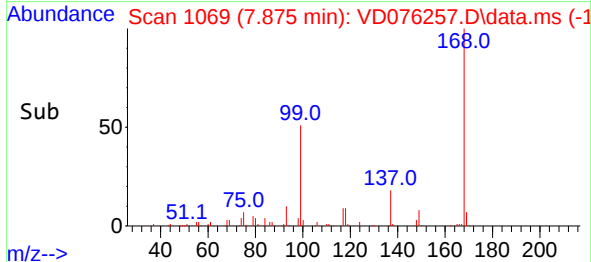
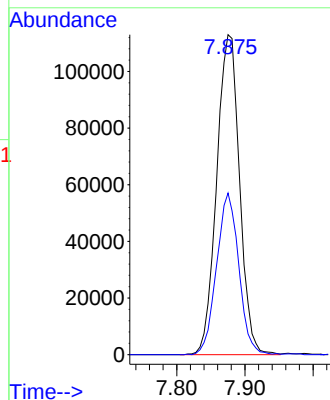
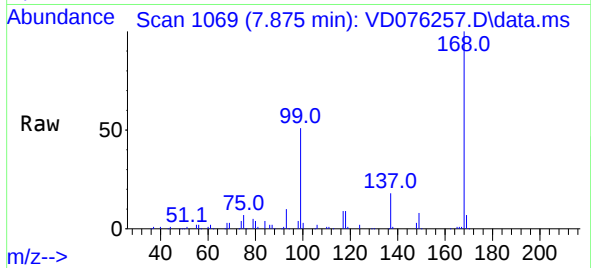




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

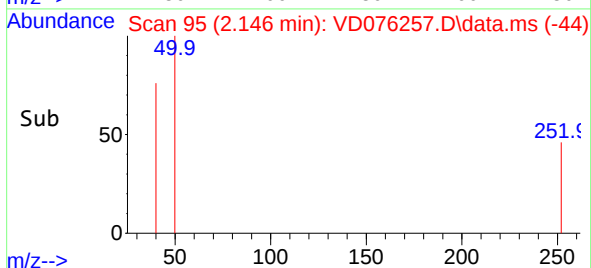
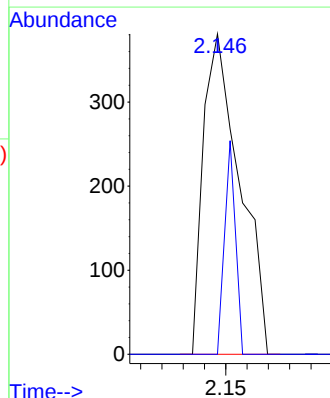
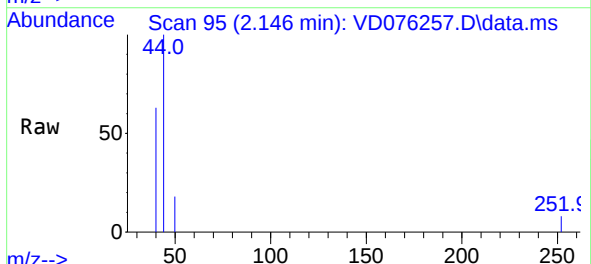
Instrument :
MSVOA_D
ClientSampleId :
TP-70A

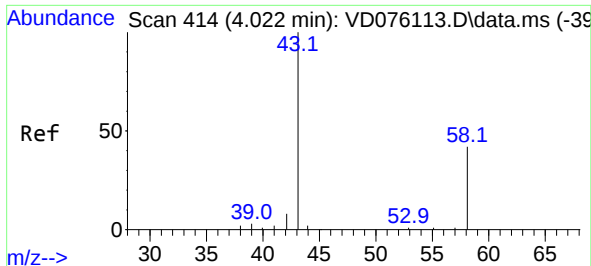
Tgt Ion:168 Resp: 263904
Ion Ratio Lower Upper
168 100
99 50.5 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

Tgt Ion: 50 Resp: 454
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#





#16

Acetone

Concen: 18.776 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD076257.D

Acq: 26 May 2023 14:12

Instrument :

MSVOA_D

ClientSampleId :

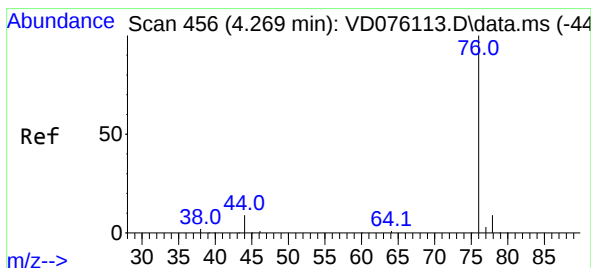
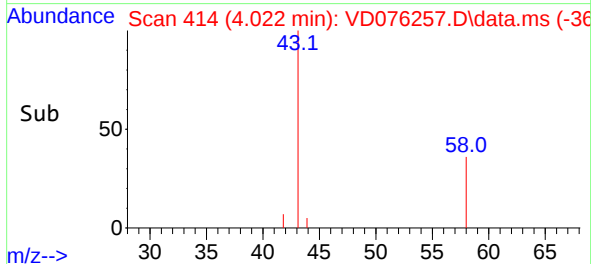
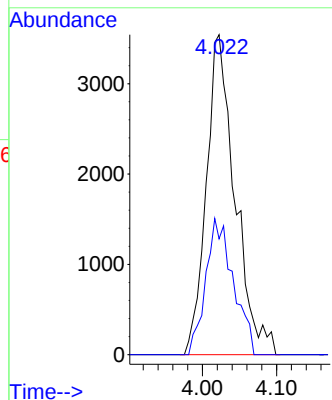
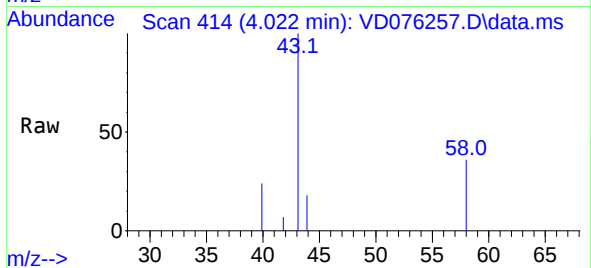
TP-70A

Tgt Ion: 43 Resp: 9528

Ion Ratio Lower Upper

43 100

58 36.2 24.4 36.6



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

Lab File: VD076257.D

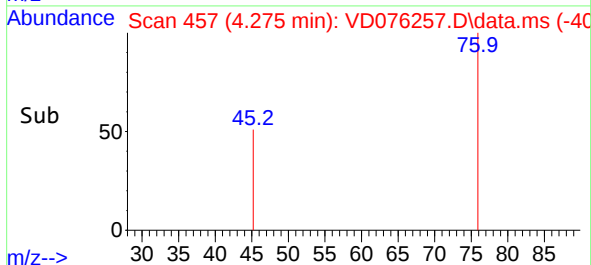
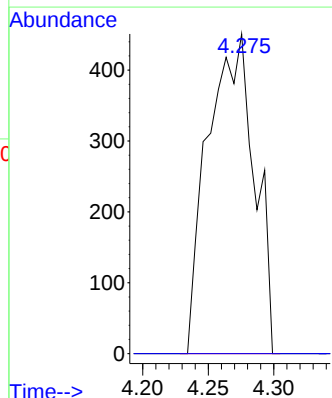
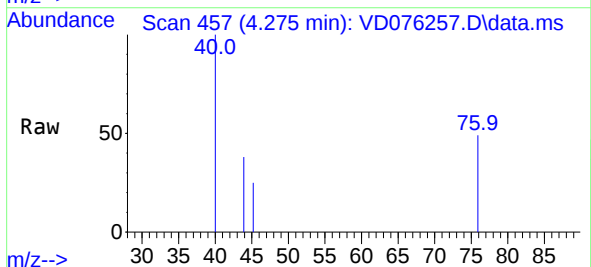
Acq: 26 May 2023 14:12

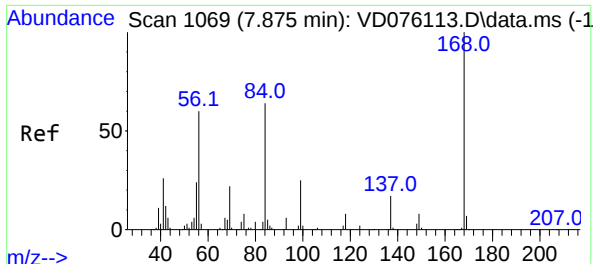
Tgt Ion: 76 Resp: 1111

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#





#31

Cyclohexane

Concen: 1.289 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076257.D

Acq: 26 May 2023 14:12

Instrument :

MSVOA_D

ClientSampleId :

TP-70A

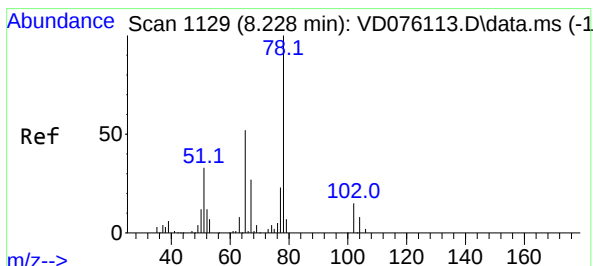
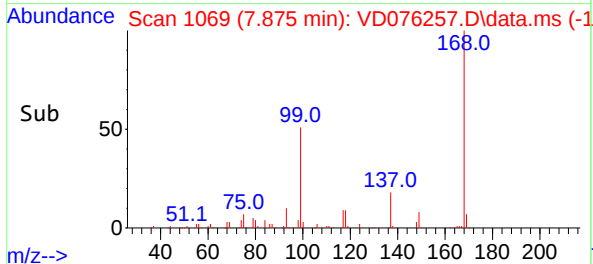
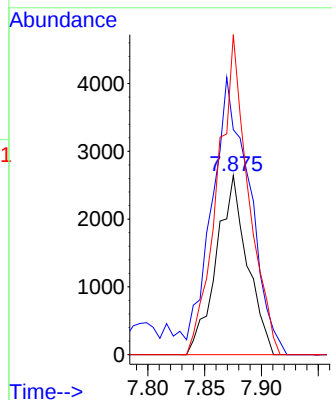
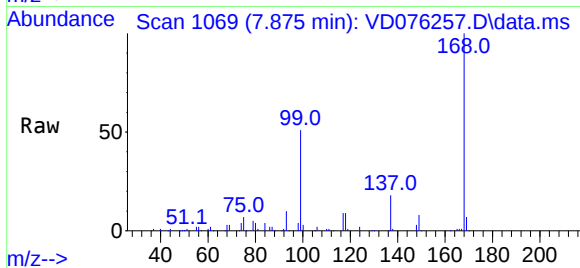
Tgt Ion: 56 Resp: 5034

Ion Ratio Lower Upper

56 100

69 118.5 25.5 38.3#

84 178.6 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 57.730 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076257.D

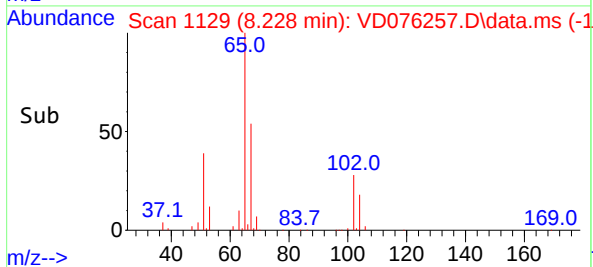
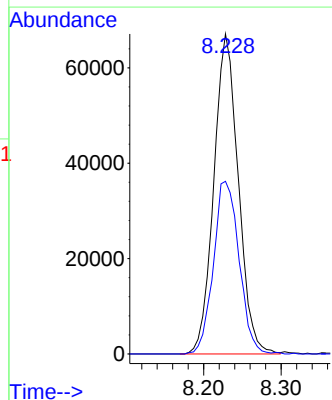
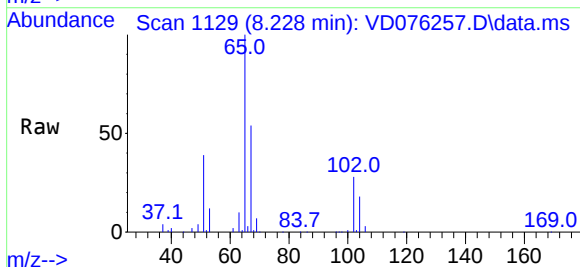
Acq: 26 May 2023 14:12

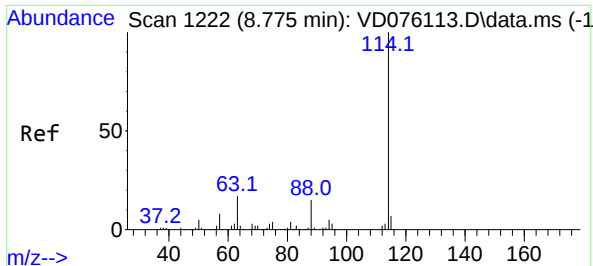
Tgt Ion: 65 Resp: 147244

Ion Ratio Lower Upper

65 100

67 56.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076257.D

Acq: 26 May 2023 14:12

Instrument :

MSVOA_D

ClientSampleId :

TP-70A

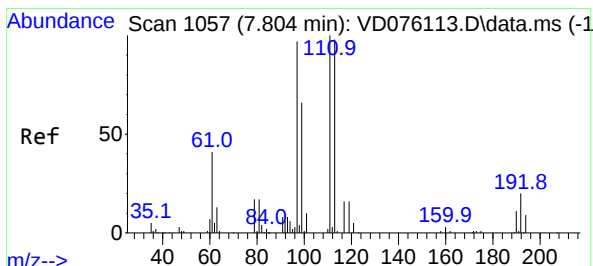
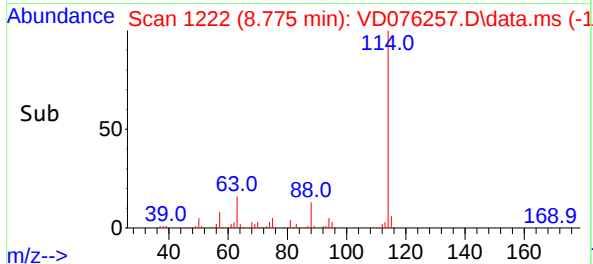
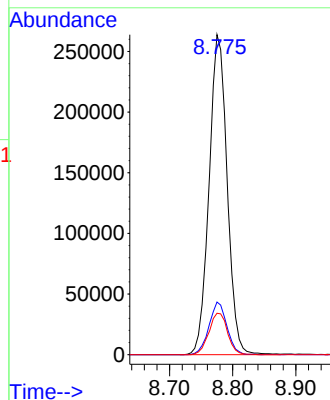
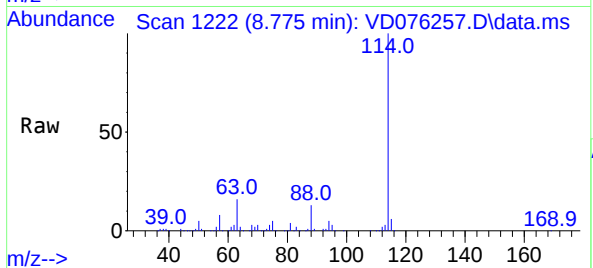
Tgt Ion:114 Resp: 525489

Ion Ratio Lower Upper

114 100

63 16.4 0.0 41.6

88 13.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.265 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076257.D

Acq: 26 May 2023 14:12

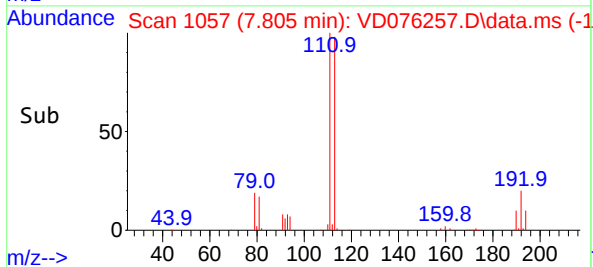
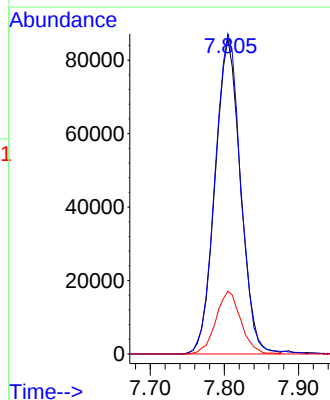
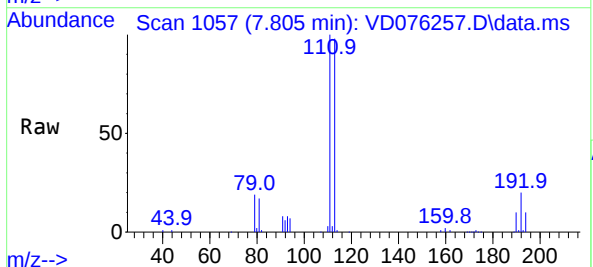
Tgt Ion:113 Resp: 204370

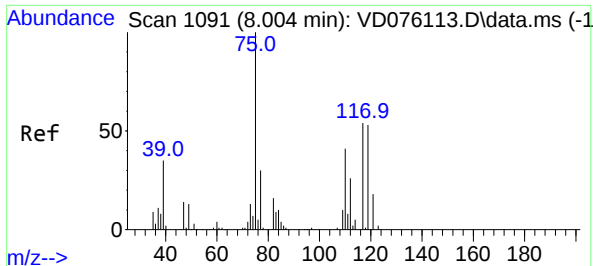
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.6 15.2 22.8

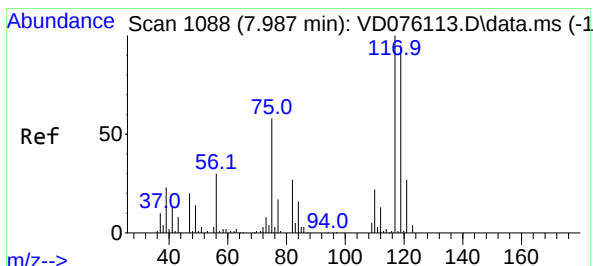
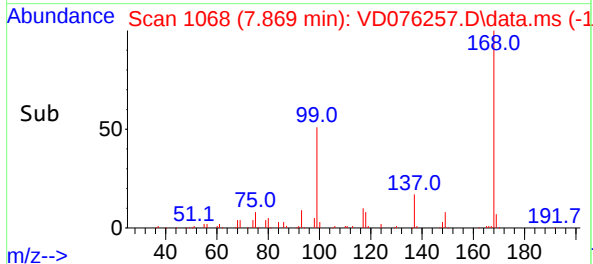
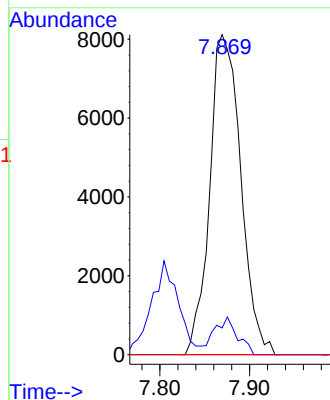
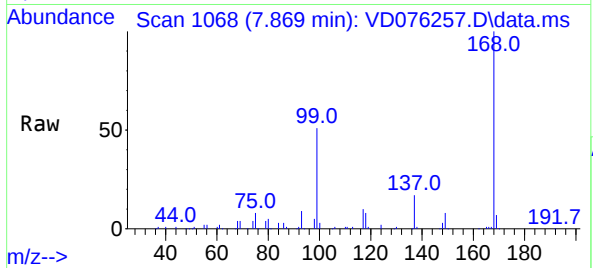




#36
1,1-Dichloropropene
Concen: 3.983 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

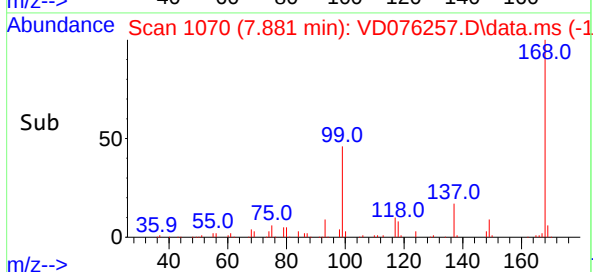
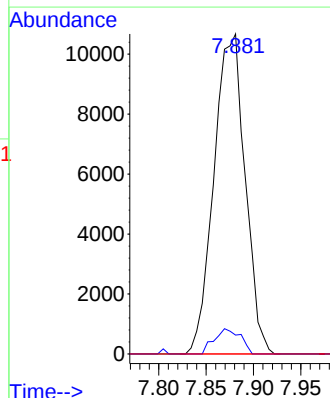
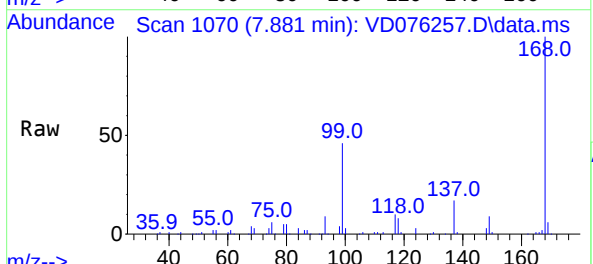
Instrument :
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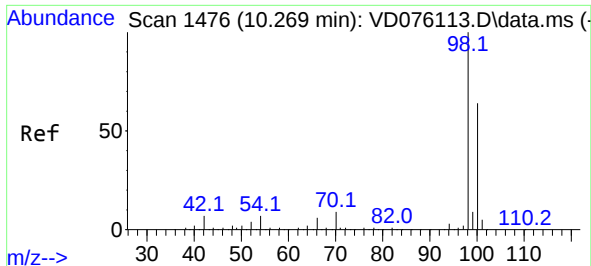
Tgt Ion: 75 Resp: 19538
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.520 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

Tgt Ion: 117 Resp: 24458
Ion Ratio Lower Upper
117 100
119 5.9 74.7 112.1#
121 0.0 25.9 38.9#

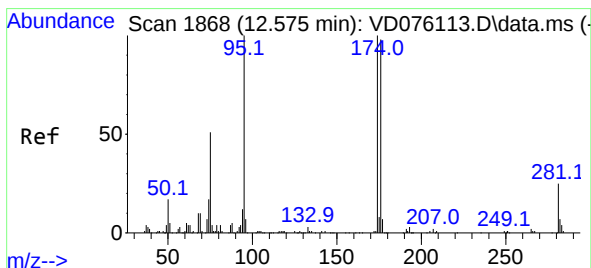
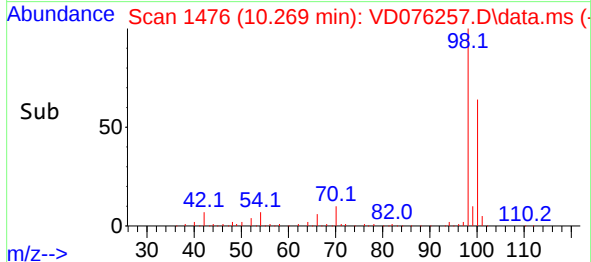
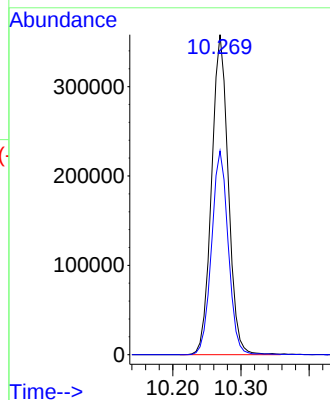
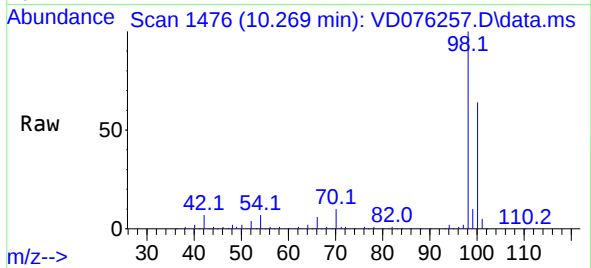




#50
Toluene-d8
Concen: 43.164 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

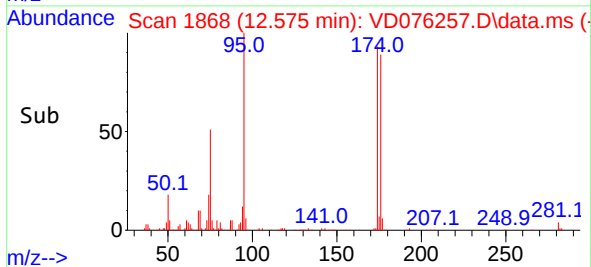
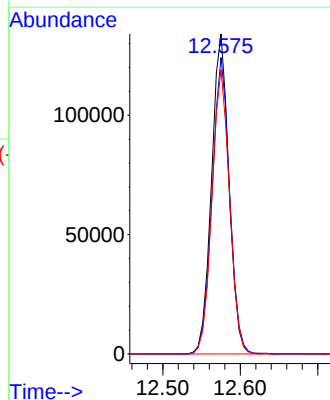
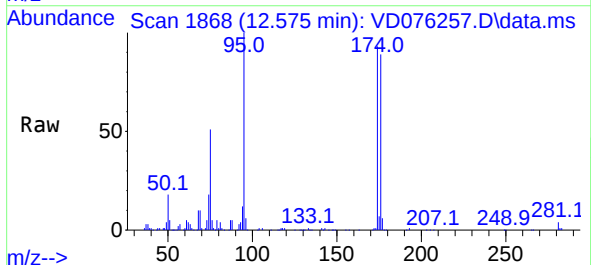
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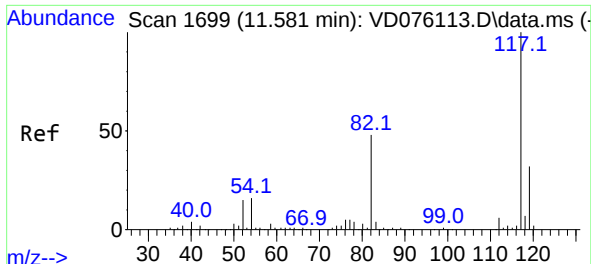
Tgt Ion: 98 Resp: 611184
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 53.128 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

Tgt Ion: 95 Resp: 208971
Ion Ratio Lower Upper
95 100
174 93.8 0.0 164.0
176 89.6 0.0 156.8

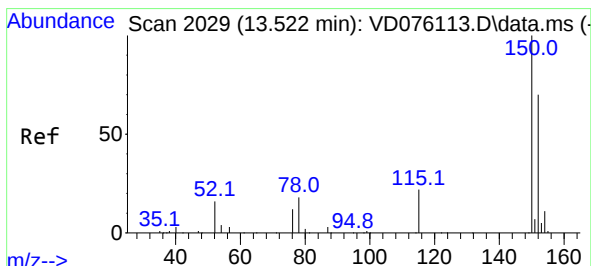
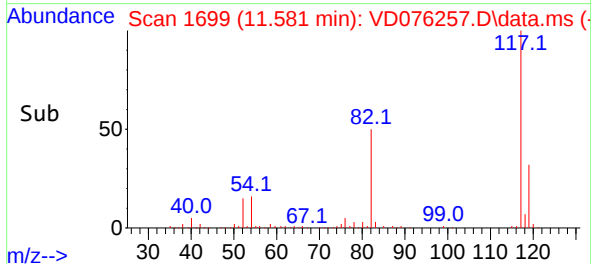
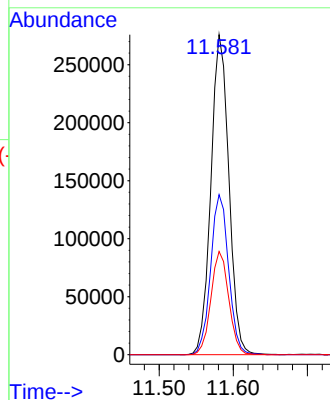
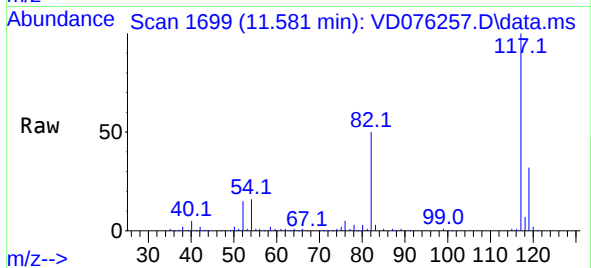




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

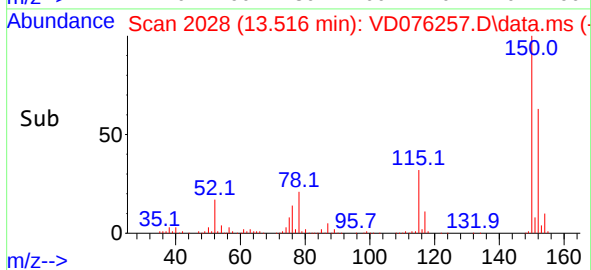
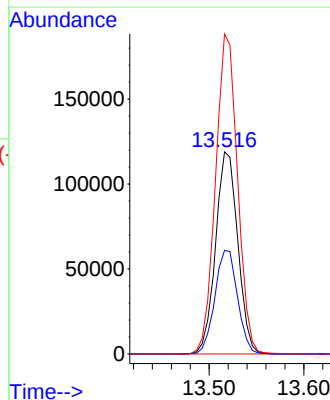
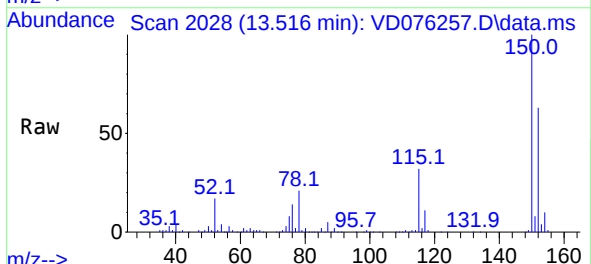
Instrument :
MSVOA_D
ClientSampleId :
TP-70A

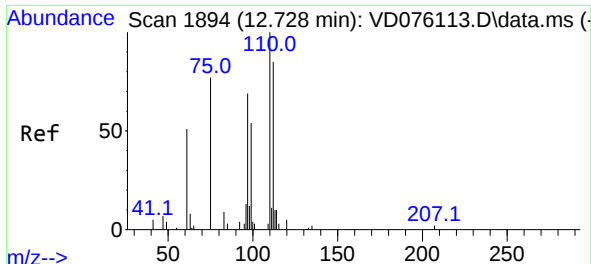
Tgt Ion:117 Resp: 464296
Ion Ratio Lower Upper
117 100
82 50.0 44.0 66.0
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

Tgt Ion:152 Resp: 194194
Ion Ratio Lower Upper
152 100
115 52.3 30.1 90.3
150 156.9 0.0 364.8

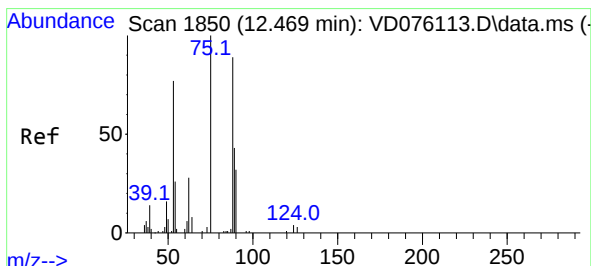
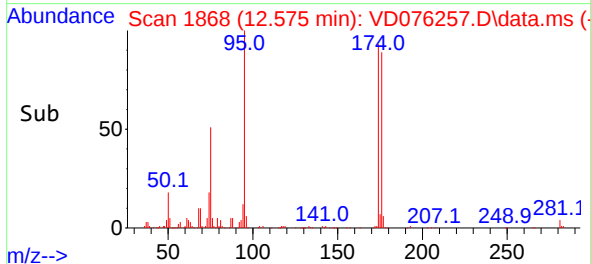
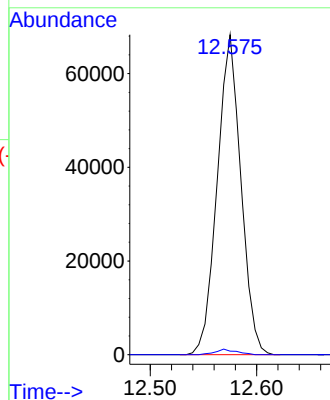
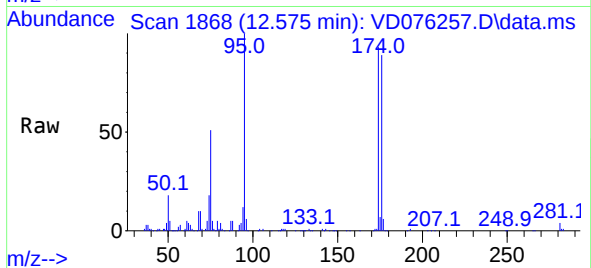




#76
1,2,3-Trichloropropane
Concen: 61.978 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

Instrument :
MSVOA_D
ClientSampleId :
TP-70A

Tgt Ion: 75 Resp: 105323
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.020 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076257.D
Acq: 26 May 2023 14:12

Tgt Ion: 75 Resp: 105323
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 40.2 60.4#

