

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076164.D
 Acq On : 19 May 2023 19:09
 Operator : KP/SY
 Sample : 02849-21
 Misc : 4.56G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP9

Quant Time: May 22 01:31:39 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)

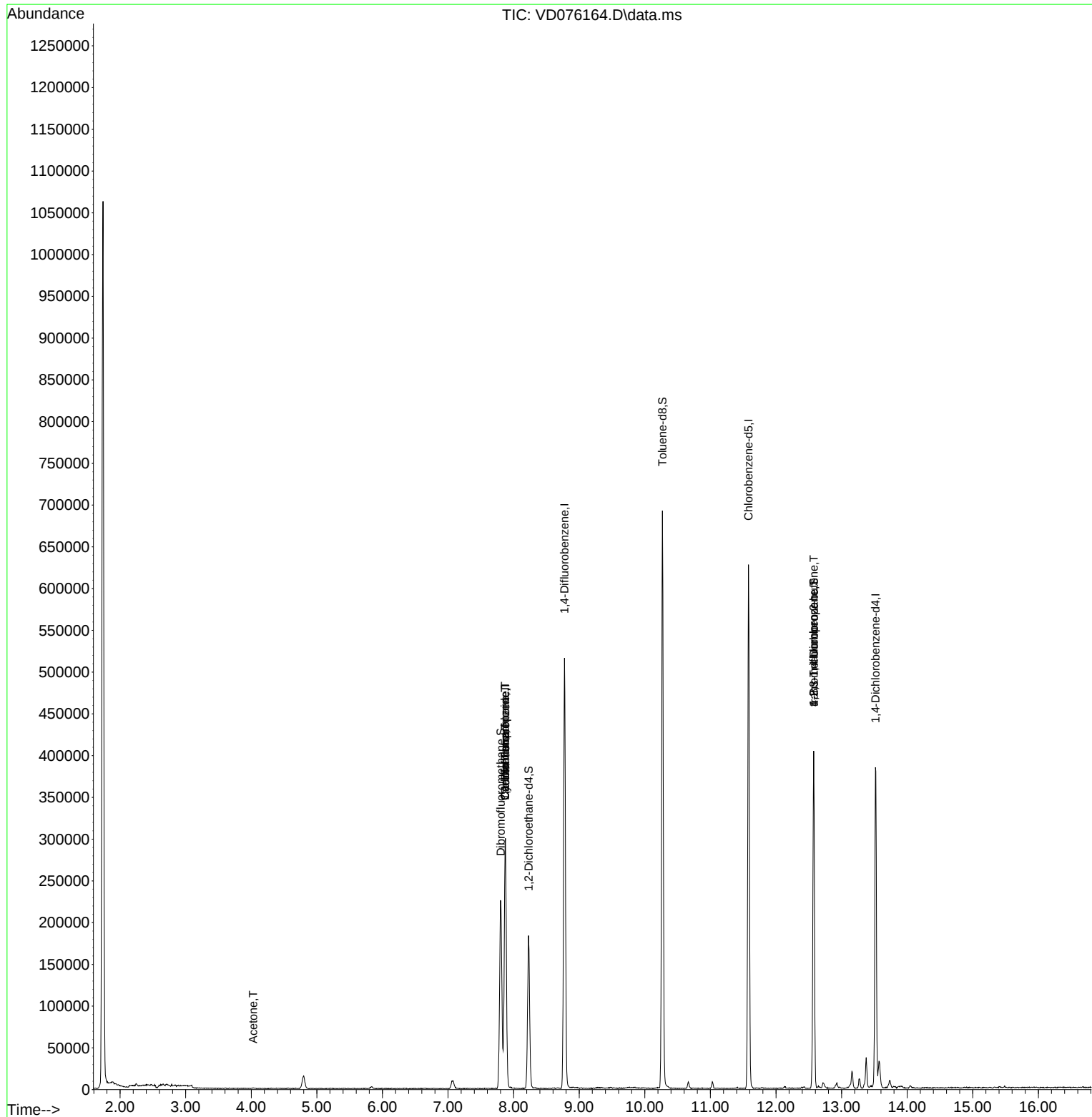
Internal Standards						
1) Pentafluorobenzene	7.875	168	239546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	480391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	379974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	134980	58.303	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 116.600%		
35) Dibromofluoromethane	7.805	113	169801	51.136	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.280%		
50) Toluene-d8	10.269	98	494208	38.179	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 76.360%		
62) 4-Bromofluorobenzene	12.575	95	122403	34.041	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 68.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	446	Below Cal	#	73
16) Acetone	4.028	43	1340	2.909	ug/l	97
17) Carbon Disulfide	4.258	76	62	Below Cal	#	73
20) Methylene Chloride	4.799	84	12801	Below Cal	#	75
31) Cyclohexane	7.869	56	5337	1.505	ug/l	# 1
36) 1,1-Dichloropropene	7.869	75	19482	4.344	ug/l	# 49
38) Carbon Tetrachloride	7.869	117	22521	5.560	ug/l	# 18
76) 1,2,3-Trichloropropane	12.575	75	62261	63.120	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	62261	132.415	ug/l	# 5

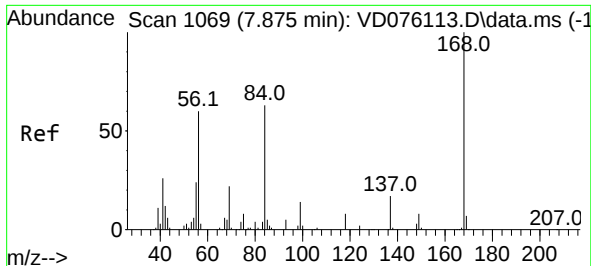
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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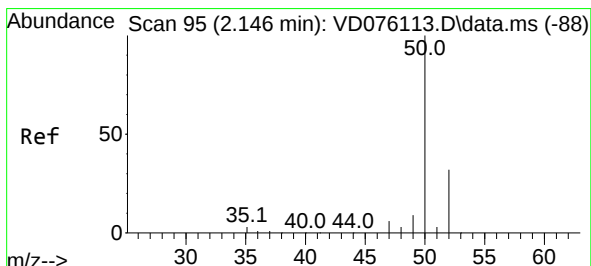
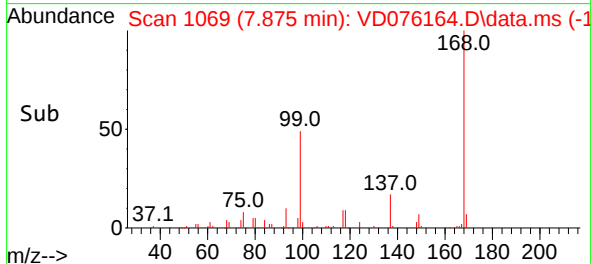
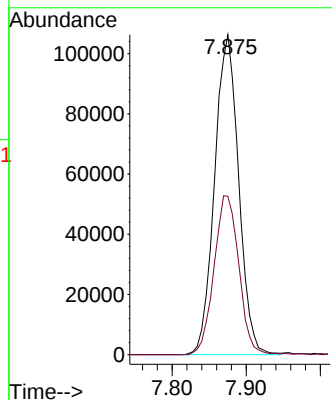
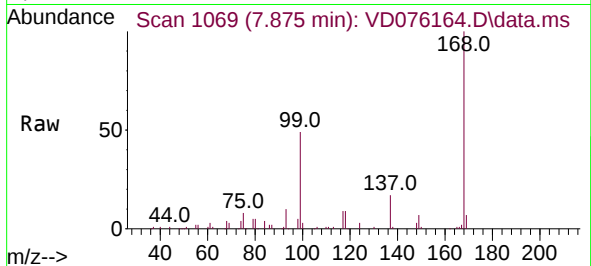




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

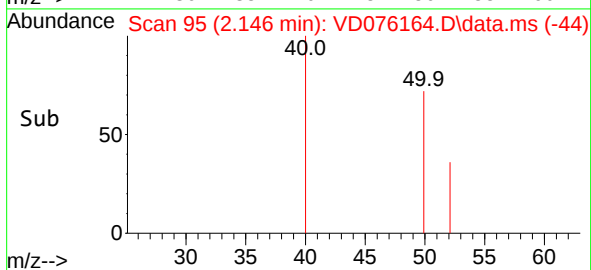
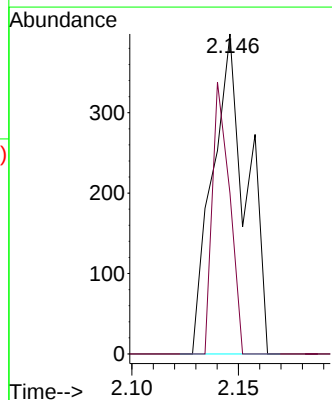
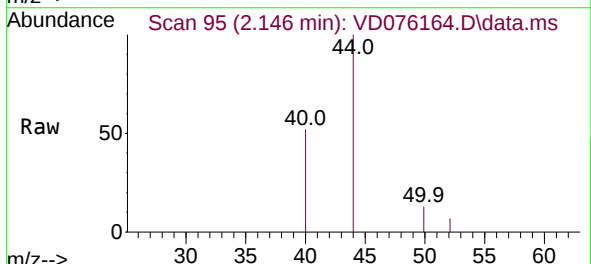
Instrument :
MSVOA_D
ClientSampleId :
TP9

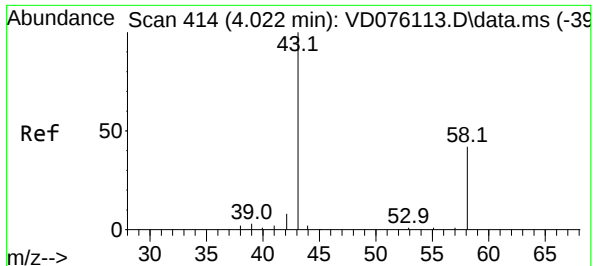
Tgt Ion:168 Resp: 239546
Ion Ratio Lower Upper
168 100
99 49.5 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

Tgt Ion: 50 Resp: 446
Ion Ratio Lower Upper
50 100
52 50.3 27.8 41.8#





#16

Acetone

Concen: 2.909 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076164.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

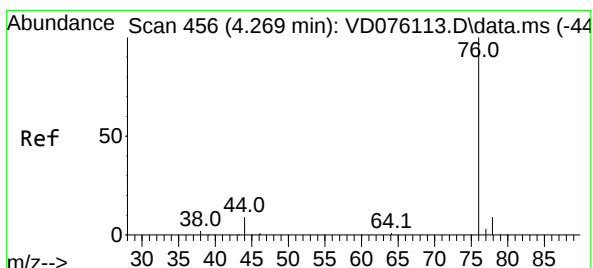
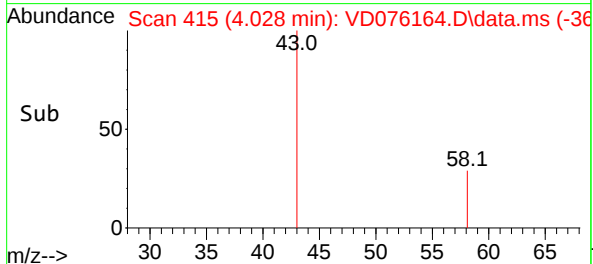
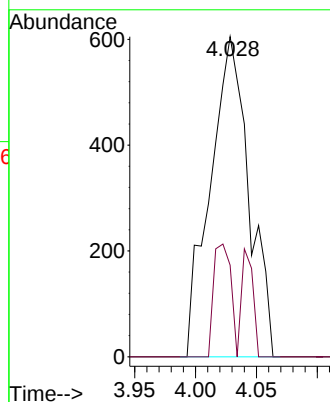
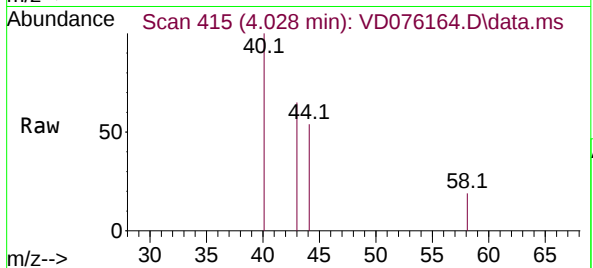
TP9

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

58 28.6 24.4 36.6



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.258 min Scan# 454

Delta R.T. -0.011 min

Lab File: VD076164.D

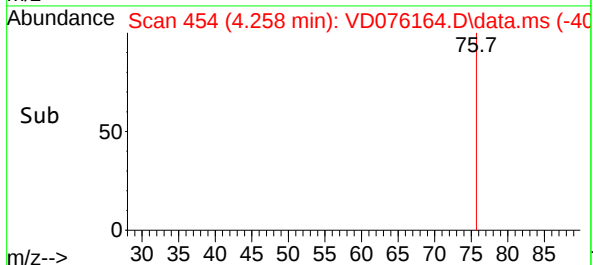
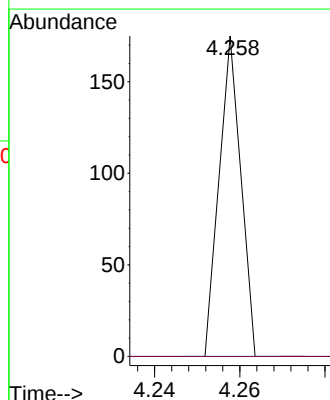
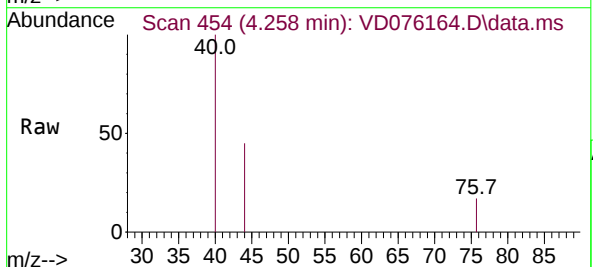
Acq: 19 May 2023 19:09

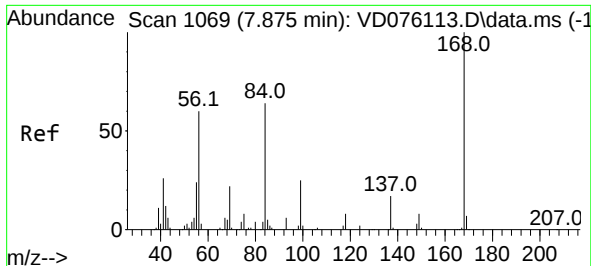
Tgt Ion: 76 Resp: 62

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#

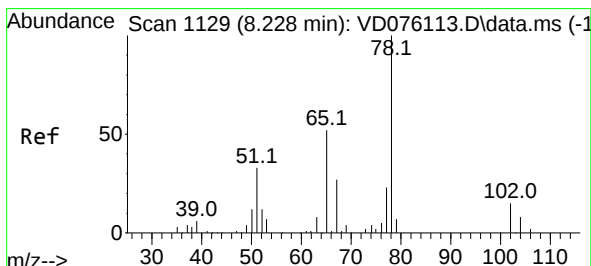
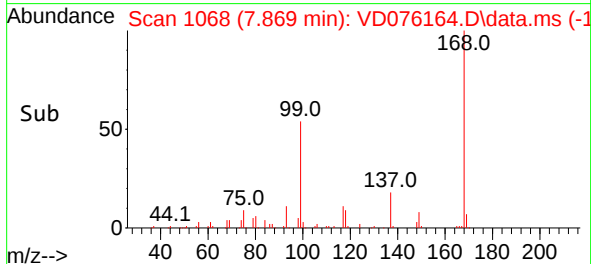
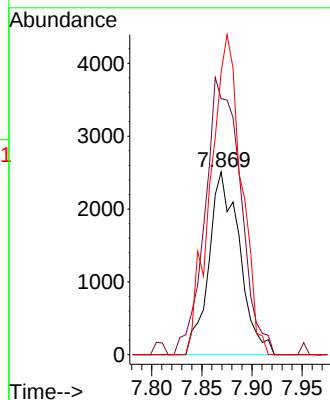
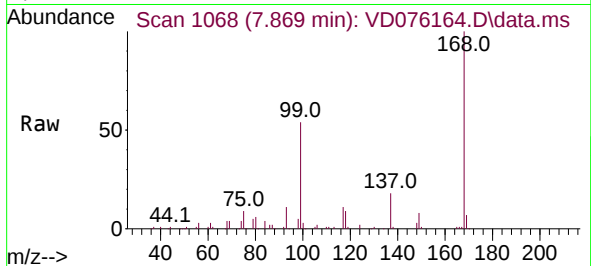




#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

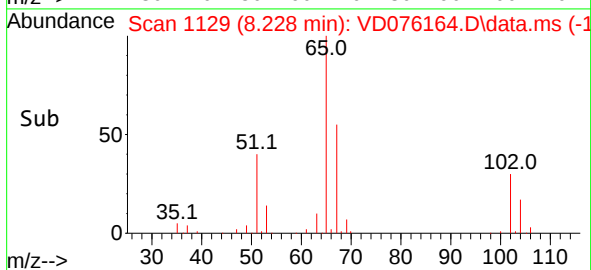
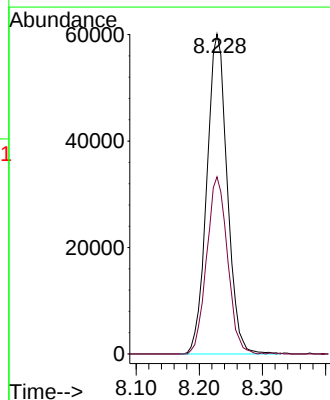
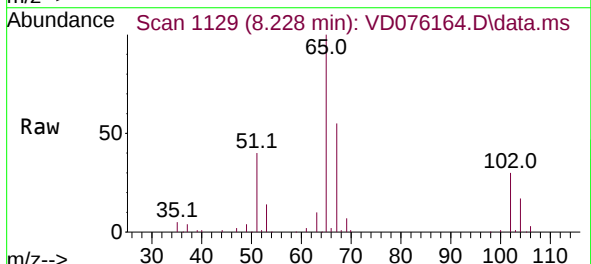
Instrument :
MSVOA_D
ClientSampleId :
TP9

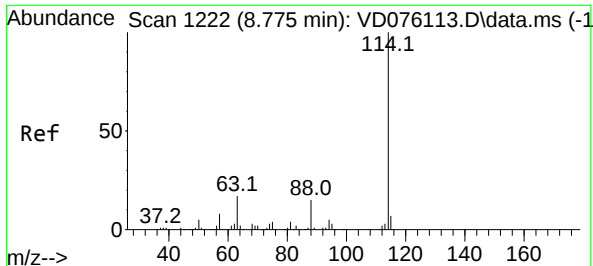
Tgt Ion: 56 Resp: 5337
Ion Ratio Lower Upper
56 100
69 140.2 25.5 38.3#
84 154.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 58.303 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

Tgt Ion: 65 Resp: 134980
Ion Ratio Lower Upper
65 100
67 56.4 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: VD076164.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

TP9

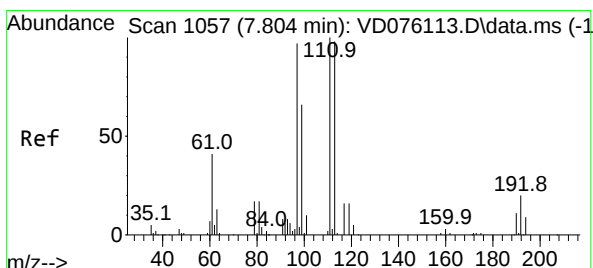
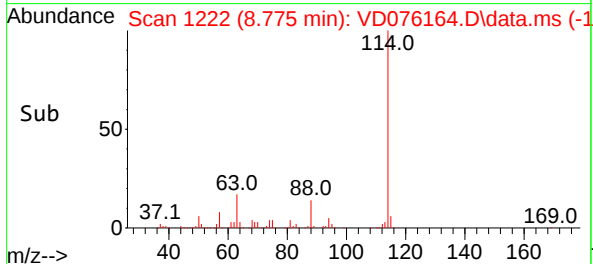
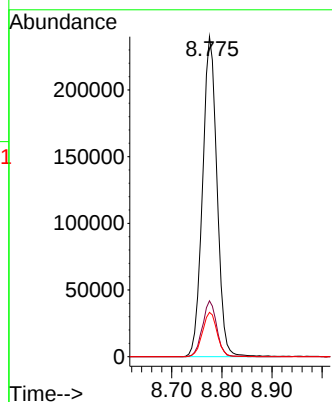
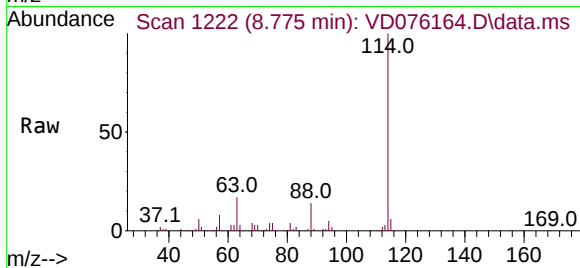
Tgt Ion:114 Resp: 480391

Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.6

88 13.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.136 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076164.D

Acq: 19 May 2023 19:09

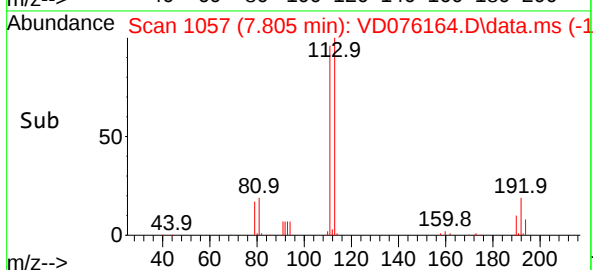
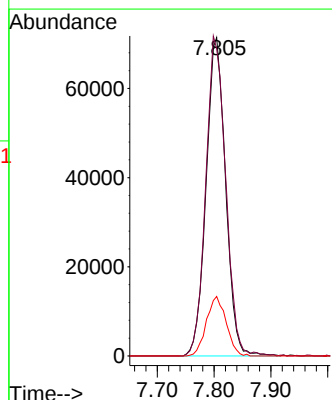
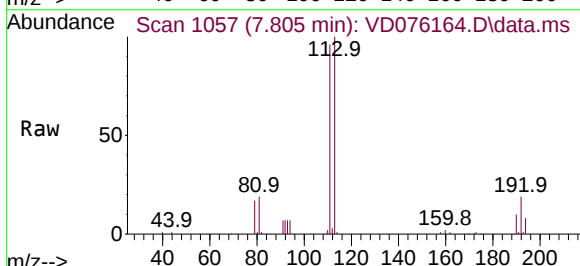
Tgt Ion:113 Resp: 169801

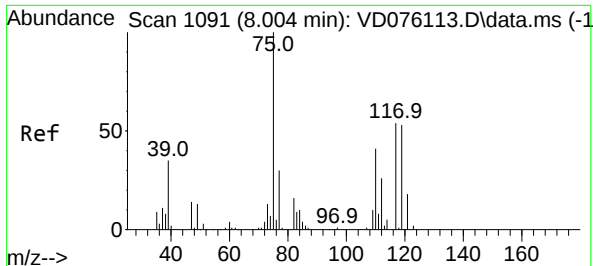
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.344 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076164.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

TP9

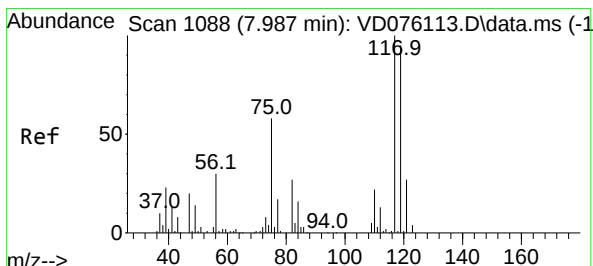
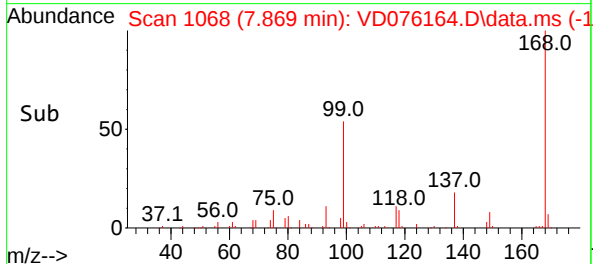
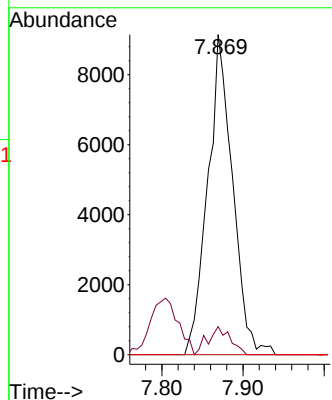
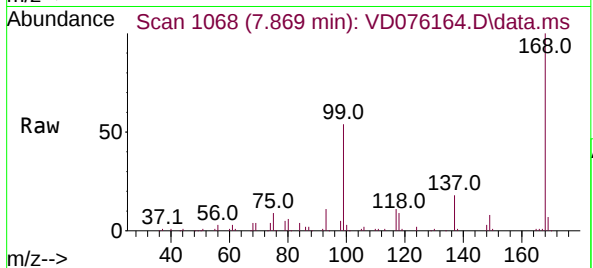
Tgt Ion: 75 Resp: 19482

Ion Ratio Lower Upper

75 100

110 7.8 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076164.D

Acq: 19 May 2023 19:09

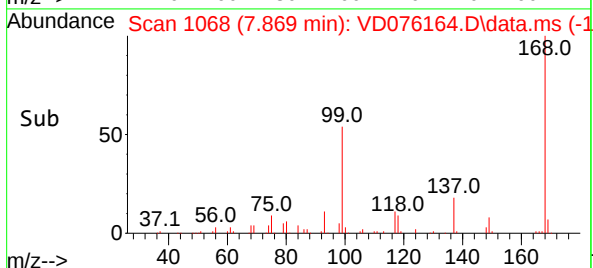
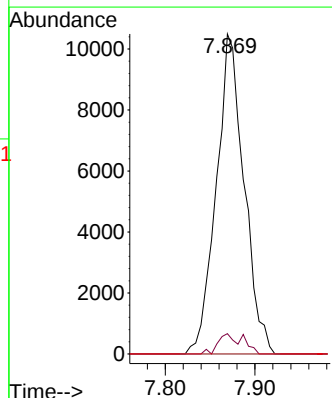
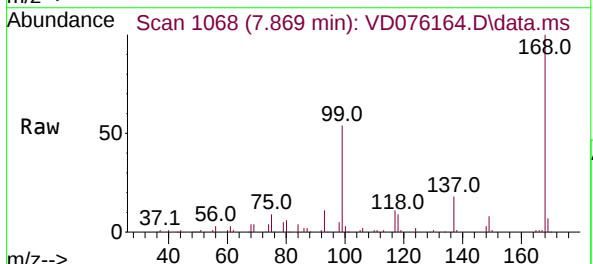
Tgt Ion: 117 Resp: 22521

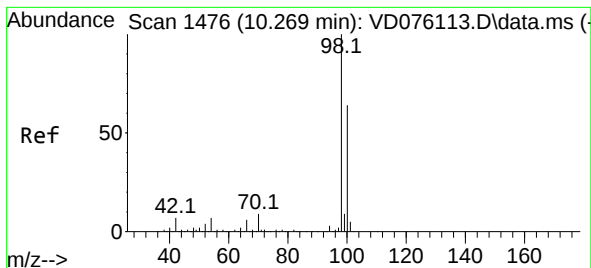
Ion Ratio Lower Upper

117 100

119 6.3 74.7 112.1#

121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 38.179 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076164.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_D

ClientSampleId :

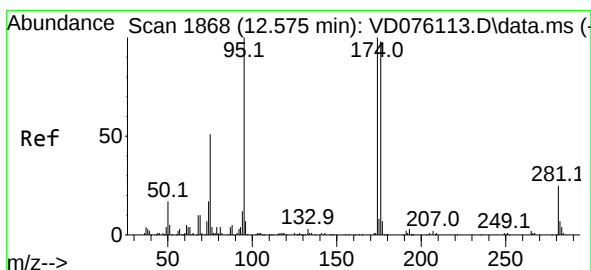
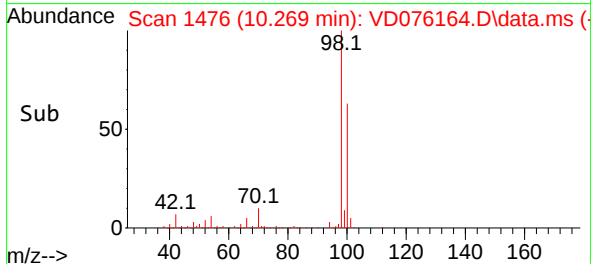
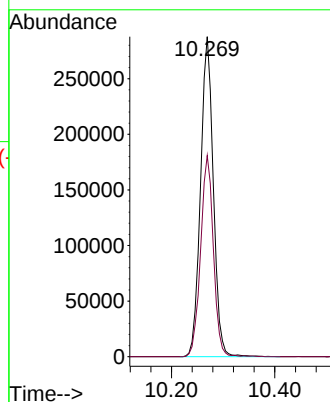
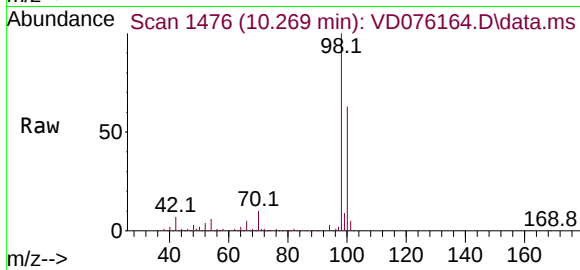
TP9

Tgt Ion: 98 Resp: 494208

Ion Ratio Lower Upper

98 100

100 62.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 34.041 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076164.D

Acq: 19 May 2023 19:09

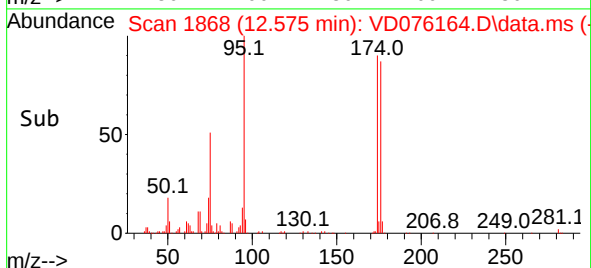
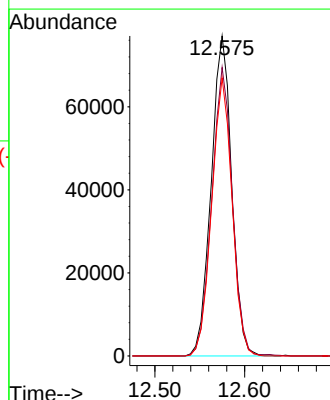
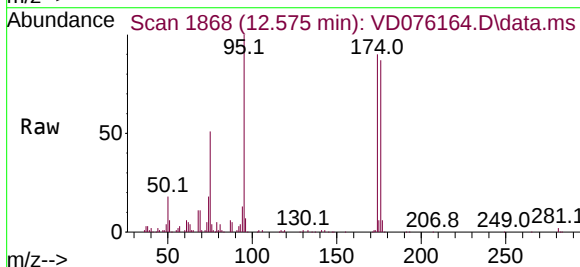
Tgt Ion: 95 Resp: 122403

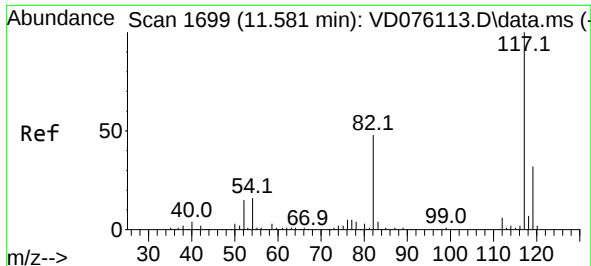
Ion Ratio Lower Upper

95 100

174 90.6 0.0 164.0

176 86.1 0.0 156.8

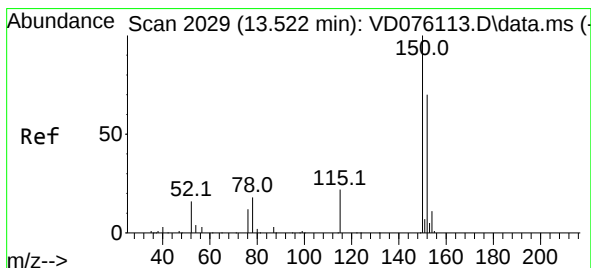
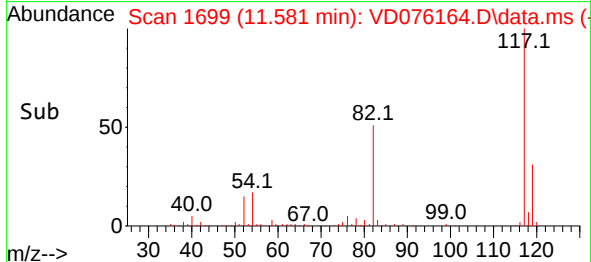
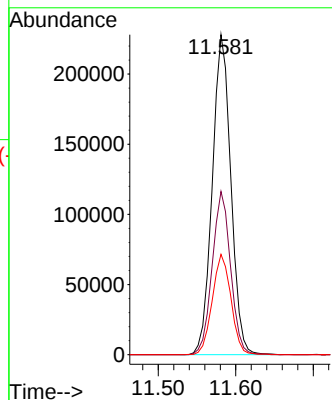
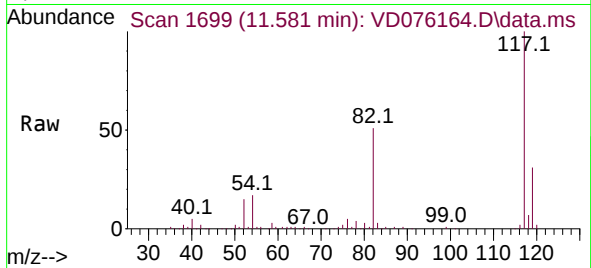




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

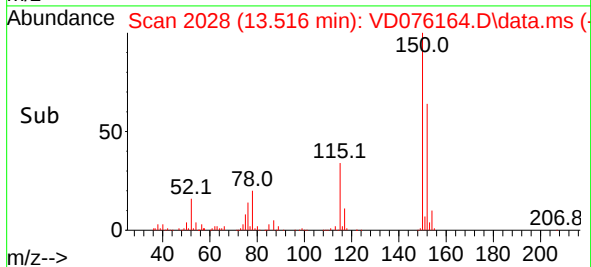
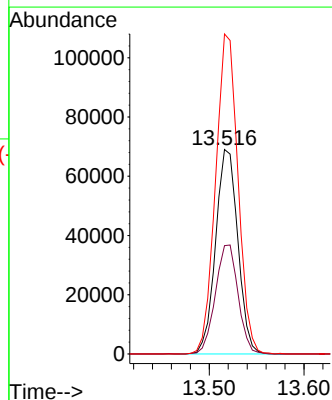
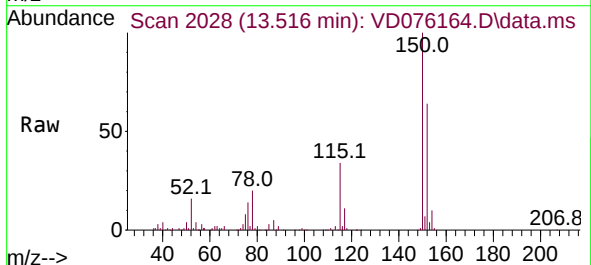
Instrument :
MSVOA_D
ClientSampleId :
TP9

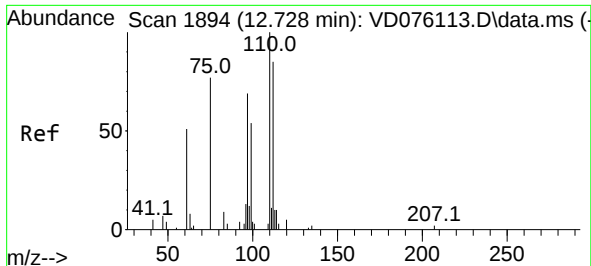
Tgt Ion:117 Resp: 379974
Ion Ratio Lower Upper
117 100
82 51.0 44.0 66.0
119 31.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

Tgt Ion:152 Resp: 112720
Ion Ratio Lower Upper
152 100
115 54.4 30.1 90.3
150 157.5 0.0 364.8

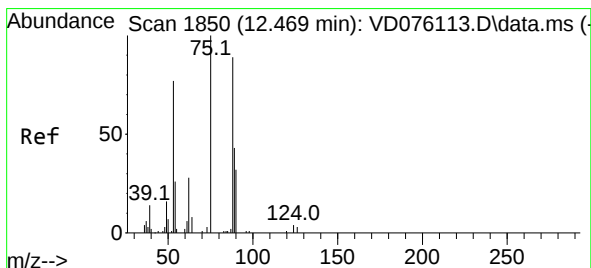
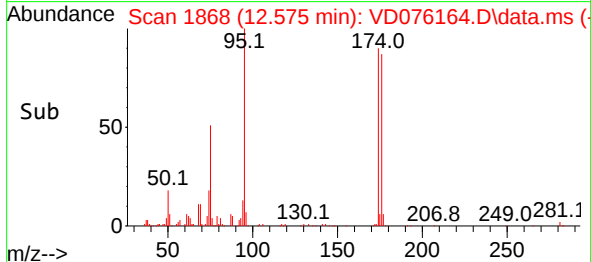
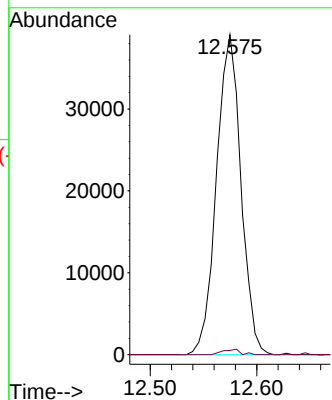
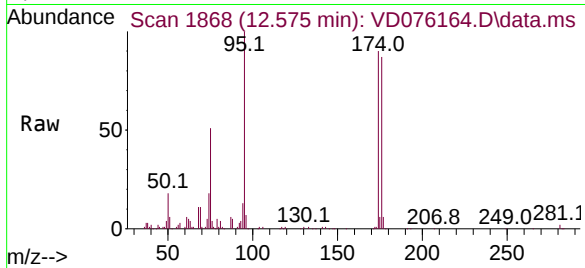




#76
1,2,3-Trichloropropane
Concen: 63.120 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

Instrument :
MSVOA_D
ClientSampleId :
TP9

Tgt Ion: 75 Resp: 62261
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.415 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076164.D
Acq: 19 May 2023 19:09

Tgt Ion: 75 Resp: 62261
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 40.2 60.4#

