

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076166.D
 Acq On : 19 May 2023 20:09
 Operator : KP/SY
 Sample : 02849-41
 Misc : 4.93G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP11

Quant Time: May 22 01:32:11 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)

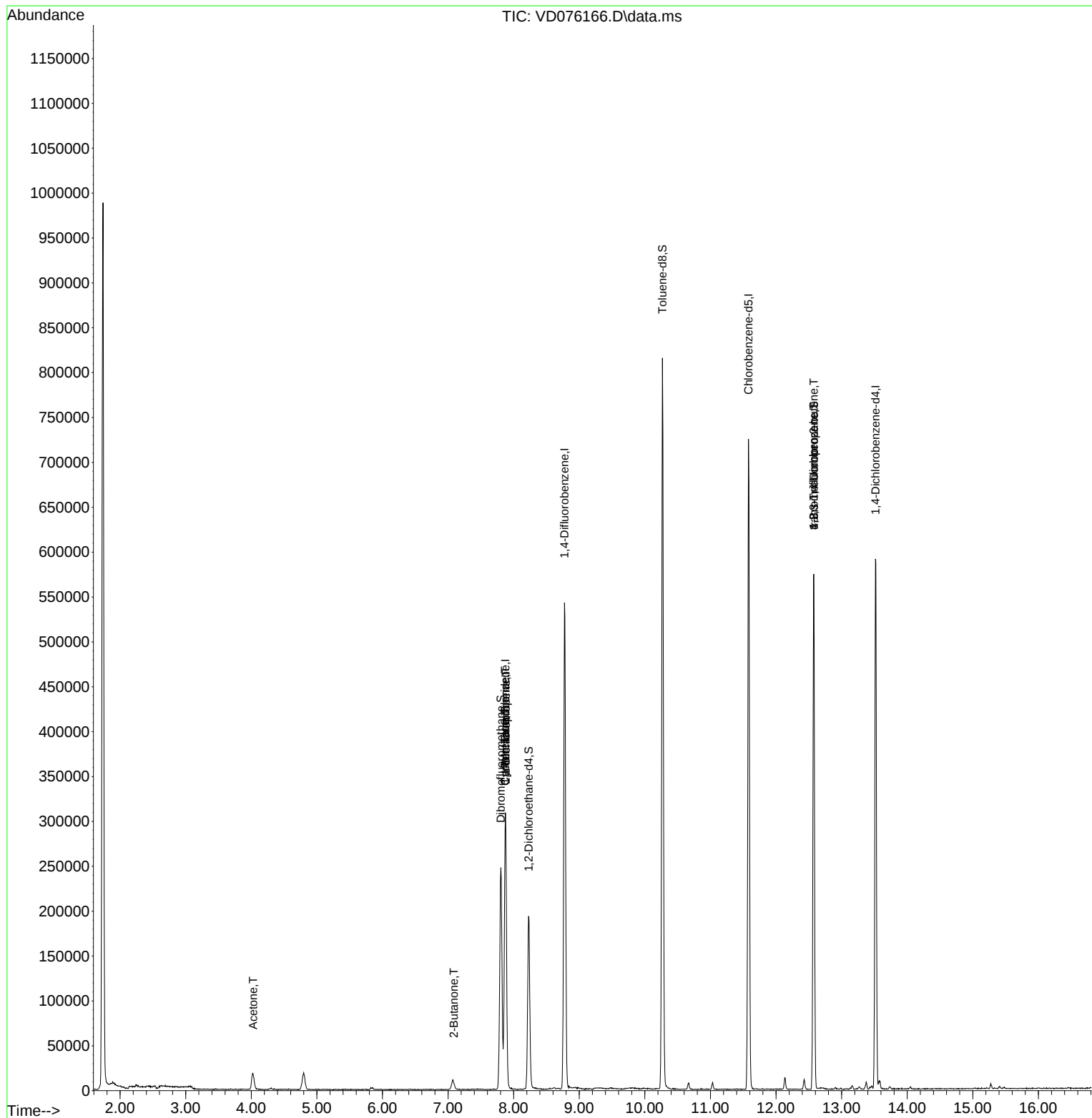
Internal Standards						
1) Pentafluorobenzene	7.875	168	249033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	510030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	443512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	169054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	147970	61.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.960%	
35) Dibromofluoromethane	7.804	113	185805	52.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.400%	
50) Toluene-d8	10.269	98	580419	42.234	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 84.460%	
62) 4-Bromofluorobenzene	12.575	95	178076	46.646	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	366	Below Cal	#	46
16) Acetone	4.028	43	30574	63.846	ug/l #	82
20) Methylene Chloride	4.799	84	15852	Below Cal	#	76
25) 2-Butanone	7.087	43	2875	4.775	ug/l	96
31) Cyclohexane	7.869	56	4597	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	20101	4.222	ug/l #	50
38) Carbon Tetrachloride	7.869	117	22683	5.274	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	89135	60.252	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	89135	126.399	ug/l #	5

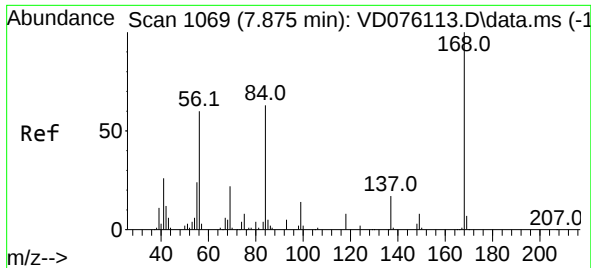
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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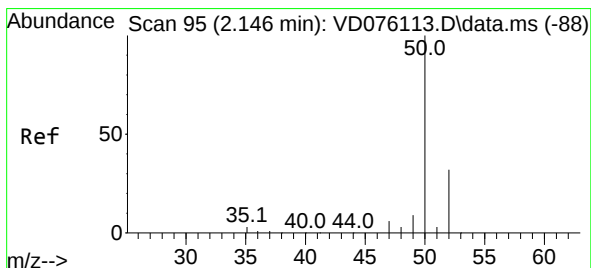
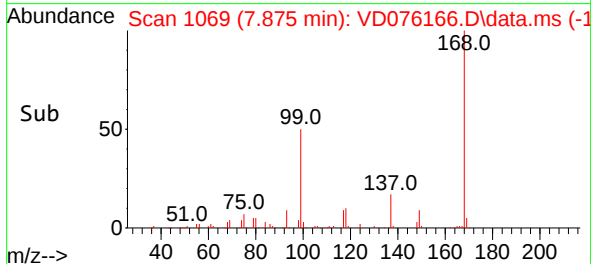
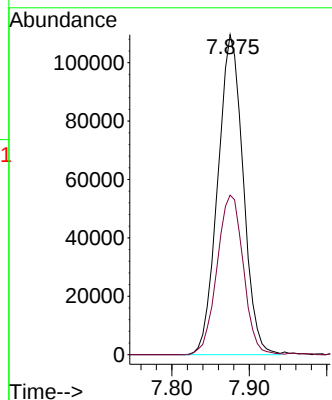
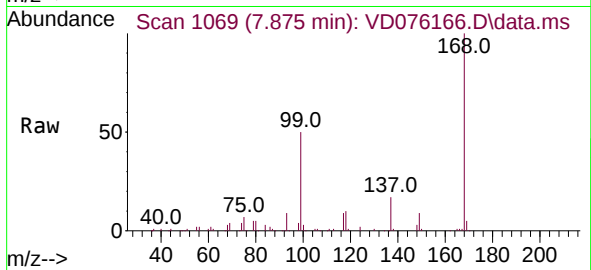




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

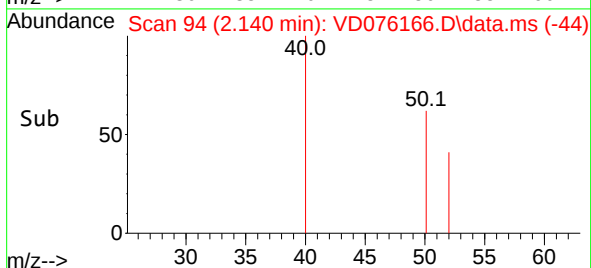
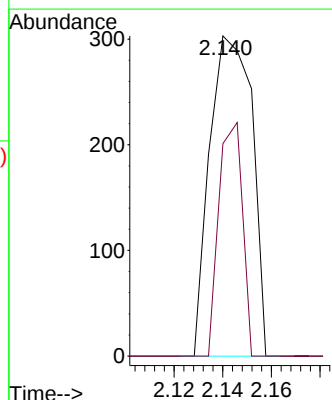
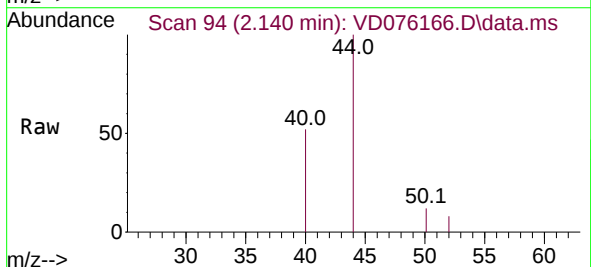
Instrument :
MSVOA_D
ClientSampleId :
TP11

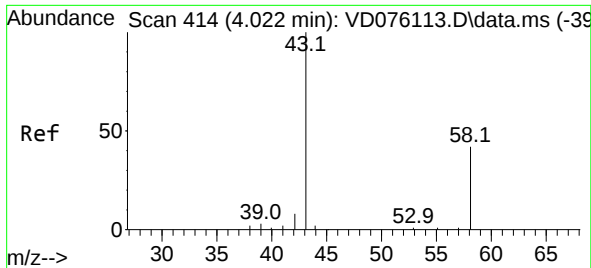
Tgt Ion:168 Resp: 249033
Ion Ratio Lower Upper
168 100
99 49.9 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 66.3 27.8 41.8#





#16

Acetone

Concen: 63.846 ug/l

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD076166.D

Acq: 19 May 2023 20:09

Instrument :

MSVOA_D

ClientSampleId :

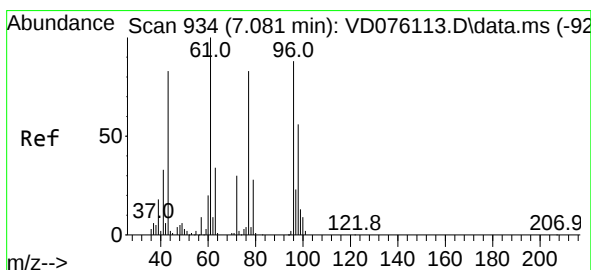
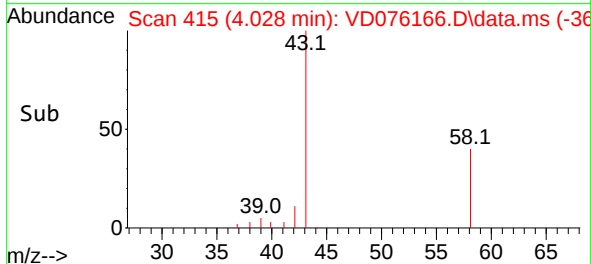
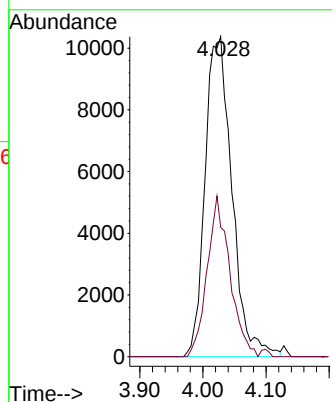
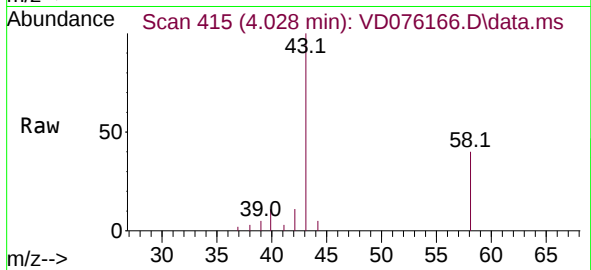
TP11

Tgt Ion: 43 Resp: 30574

Ion Ratio Lower Upper

43 100

58 40.4 24.4 36.6#



#25

2-Butanone

Concen: 4.775 ug/l

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD076166.D

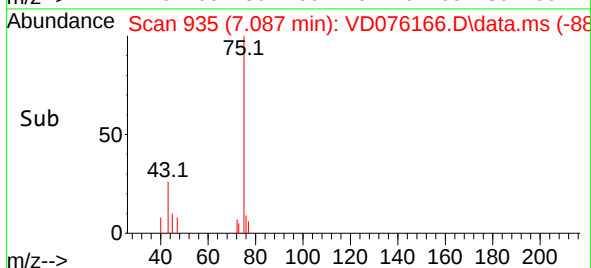
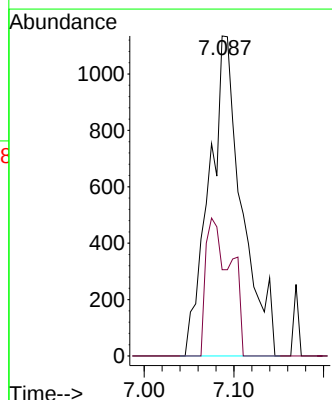
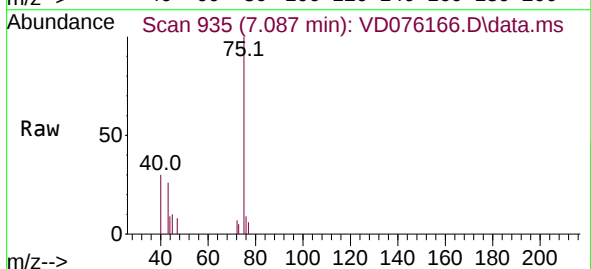
Acq: 19 May 2023 20:09

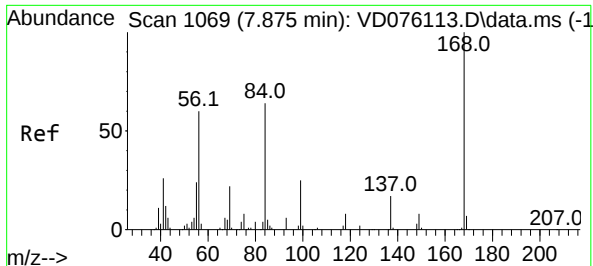
Tgt Ion: 43 Resp: 2875

Ion Ratio Lower Upper

43 100

72 27.0 19.8 29.8





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076166.D

Acq: 19 May 2023 20:09

Instrument :

MSVOA_D

ClientSampleId :

TP11

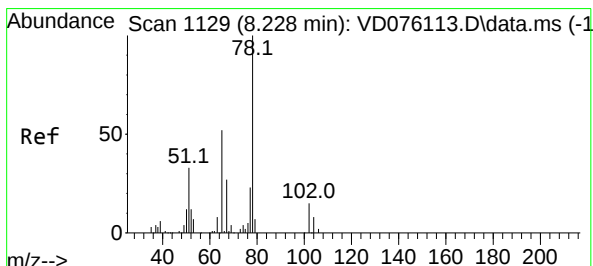
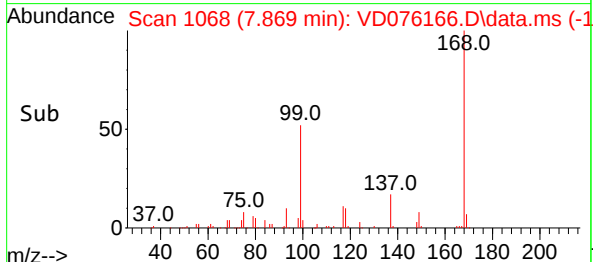
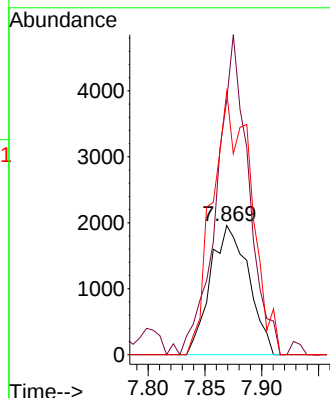
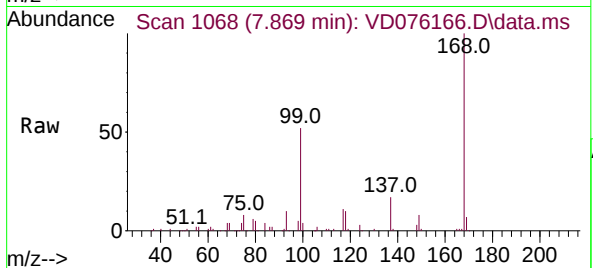
Tgt Ion: 56 Resp: 4597

Ion Ratio Lower Upper

56 100

69 197.3 25.5 38.3#

84 203.6 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 61.479 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076166.D

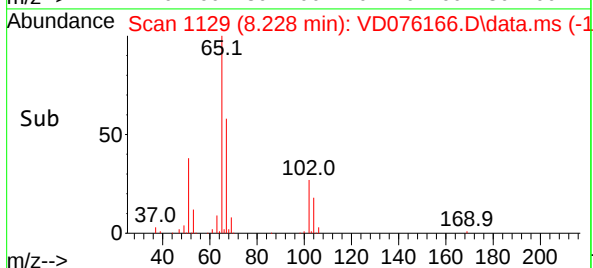
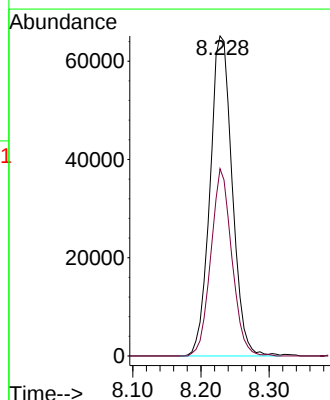
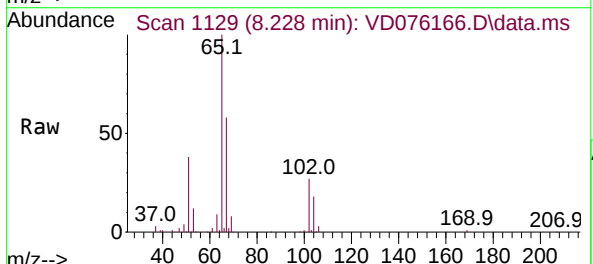
Acq: 19 May 2023 20:09

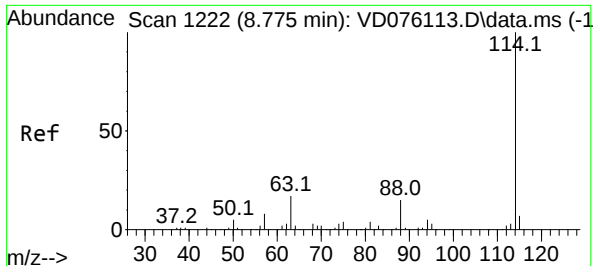
Tgt Ion: 65 Resp: 147970

Ion Ratio Lower Upper

65 100

67 55.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076166.D

Acq: 19 May 2023 20:09

Instrument :

MSVOA_D

ClientSampleId :

TP11

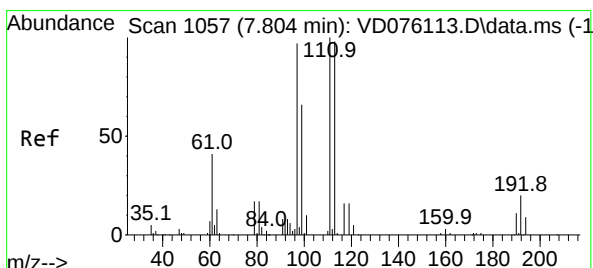
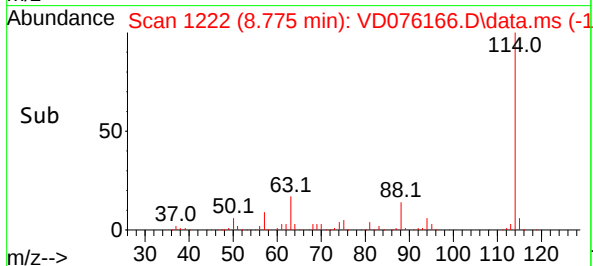
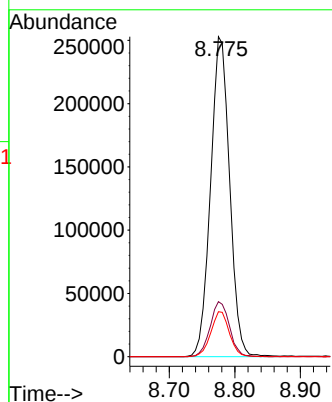
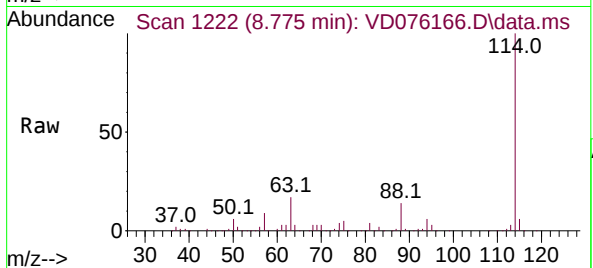
Tgt Ion:114 Resp: 510030

Ion Ratio Lower Upper

114 100

63 17.2 0.0 41.6

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.704 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076166.D

Acq: 19 May 2023 20:09

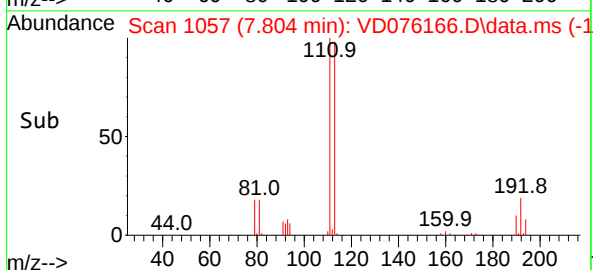
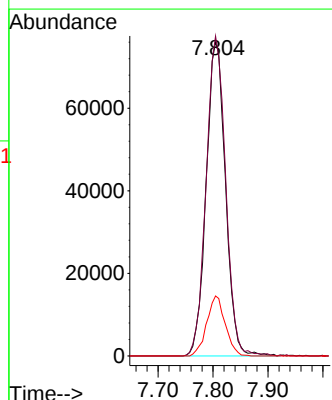
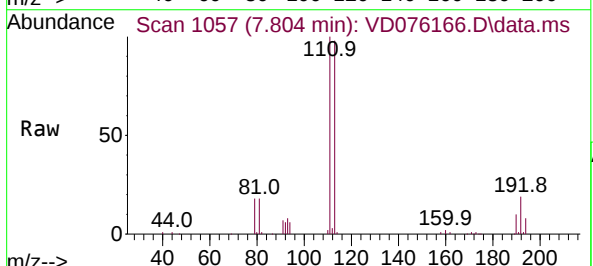
Tgt Ion:113 Resp: 185805

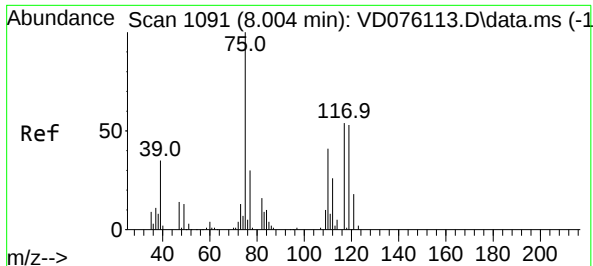
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.222 ug/l

RT: 7.881 min Scan# 10

Delta R.T. -0.129 min

Lab File: VD076166.D

Acq: 19 May 2023 20:09

Instrument :

MSVOA_D

ClientSampleId :

TP11

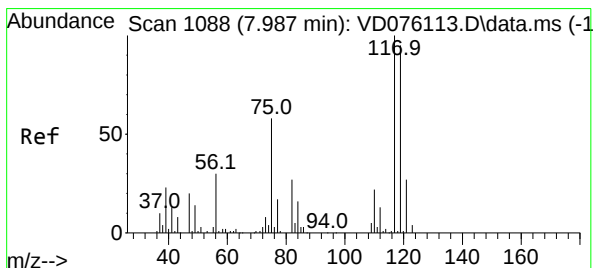
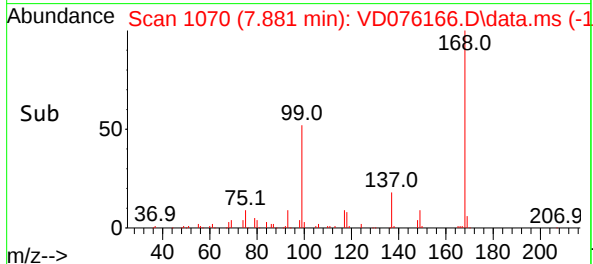
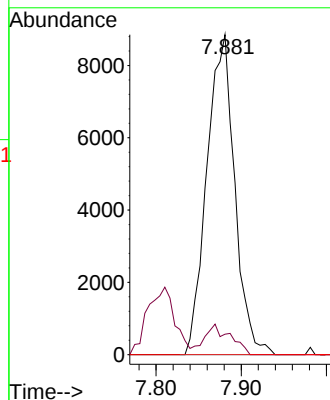
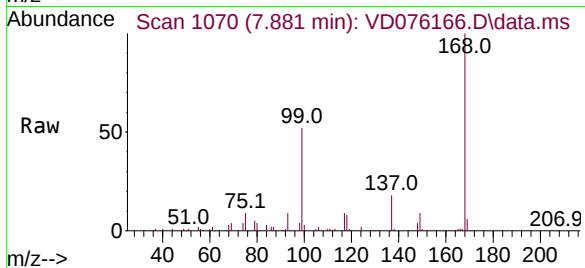
Tgt Ion: 75 Resp: 20101

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.274 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076166.D

Acq: 19 May 2023 20:09

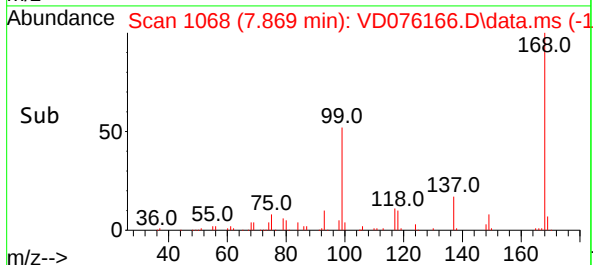
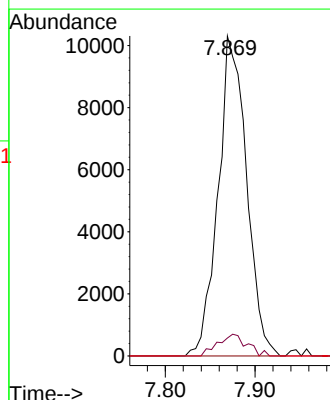
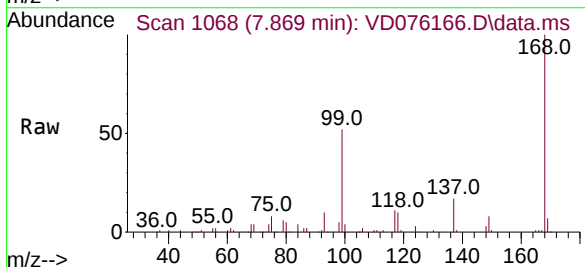
Tgt Ion: 117 Resp: 22683

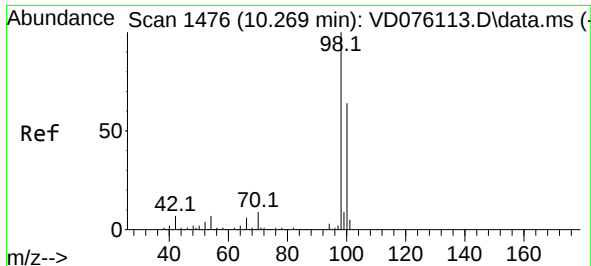
Ion Ratio Lower Upper

117 100

119 5.6 74.7 112.1#

121 0.0 25.9 38.9#

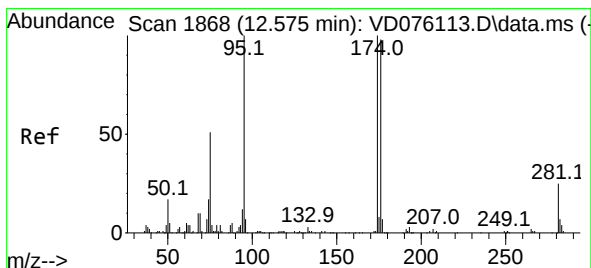
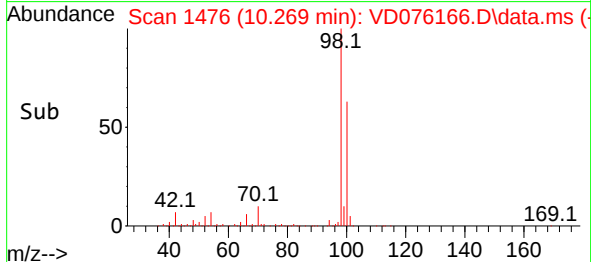
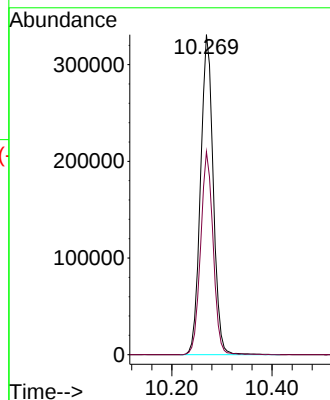
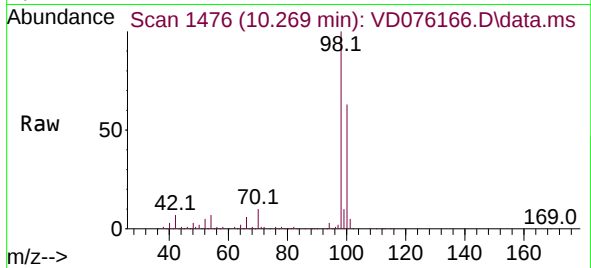




#50
Toluene-d8
Concen: 42.234 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

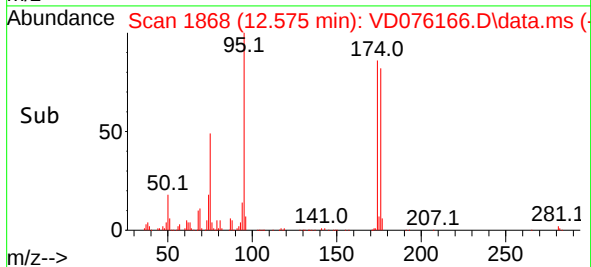
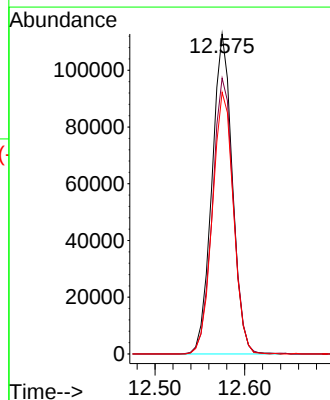
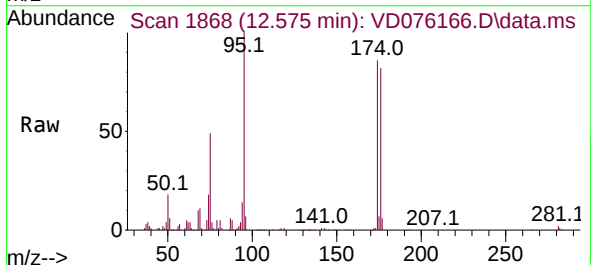
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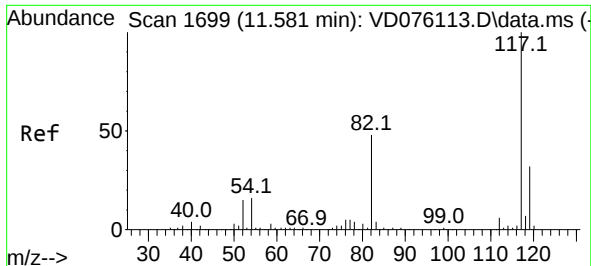
Tgt Ion: 98 Resp: 580419
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.646 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

Tgt Ion: 95 Resp: 178076
Ion Ratio Lower Upper
95 100
174 88.5 0.0 164.0
176 84.2 0.0 156.8

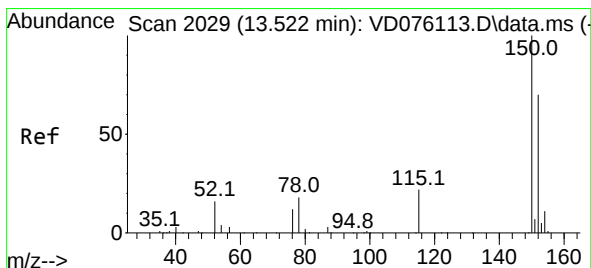
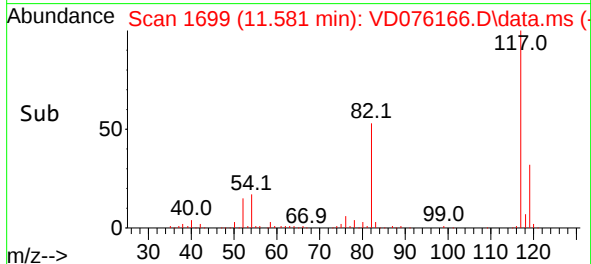
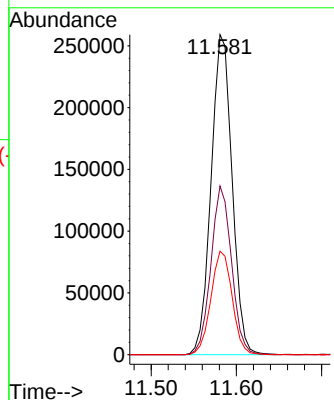
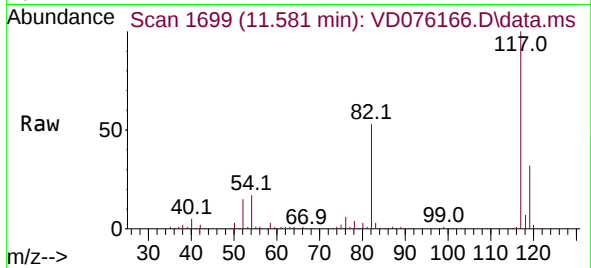




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

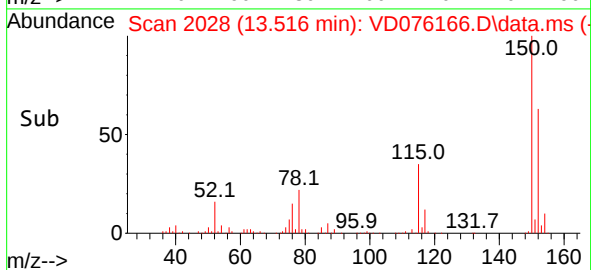
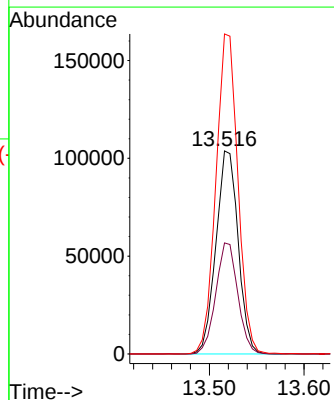
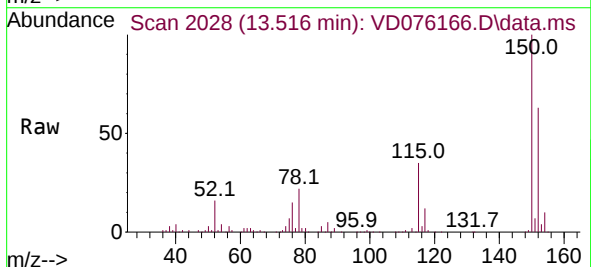
Instrument :
MSVOA_D
ClientSampleId :
TP11

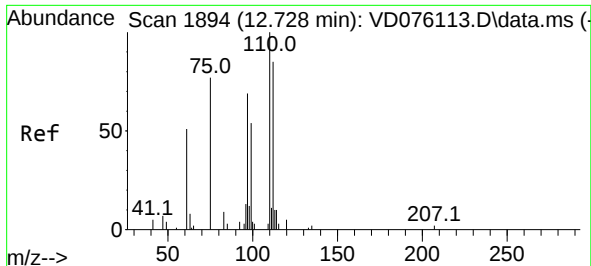
Tgt Ion:117 Resp: 443512
Ion Ratio Lower Upper
117 100
82 52.7 44.0 66.0
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

Tgt Ion:152 Resp: 169054
Ion Ratio Lower Upper
152 100
115 54.3 30.1 90.3
150 156.1 0.0 364.8

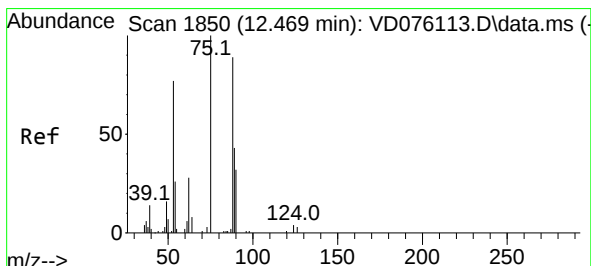
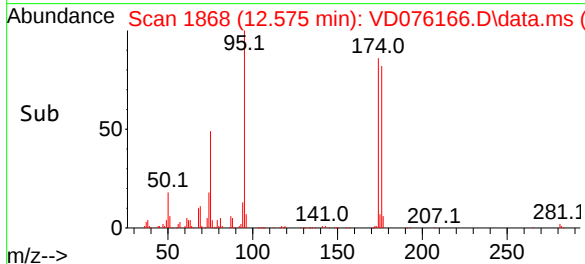
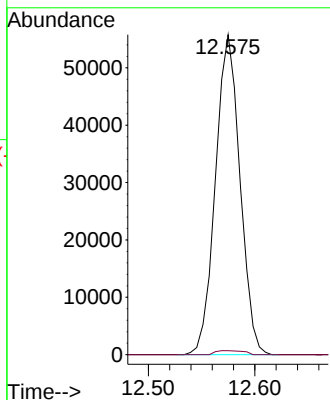
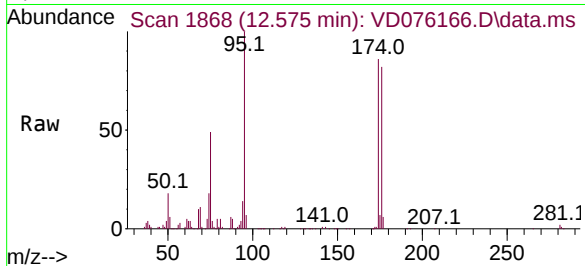




#76
1,2,3-Trichloropropane
Concen: 60.252 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

Instrument :
MSVOA_D
ClientSampleId :
TP11

Tgt Ion: 75 Resp: 89135
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.399 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076166.D
Acq: 19 May 2023 20:09

Tgt Ion: 75 Resp: 89135
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 40.2 60.4#

