

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076161.D
 Acq On : 19 May 2023 17:40
 Operator : KP/SY
 Sample : 02845-21
 Misc : 4.57G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3

Quant Time: May 22 01:30:42 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)

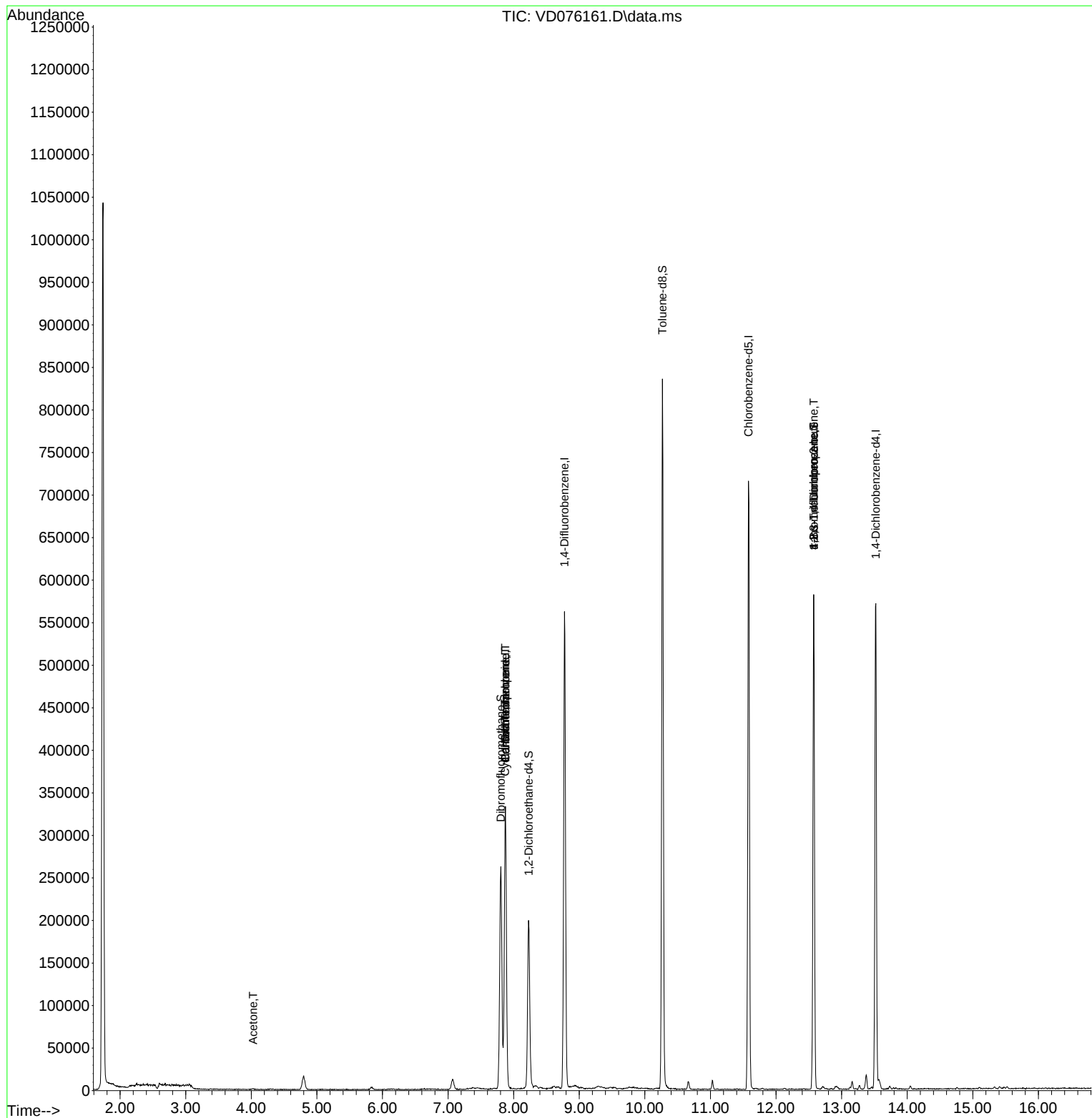
Internal Standards						
1) Pentafluorobenzene	7.875	168	263120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	526264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	445844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	169068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	148671	58.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.920%	
35) Dibromofluoromethane	7.804	113	192041	52.793	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.580%	
50) Toluene-d8	10.269	98	593185	41.831	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 83.660%	
62) 4-Bromofluorobenzene	12.575	95	179641	45.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	806	Below Cal	#	77
16) Acetone	4.028	43	925	1.828	ug/l #	83
17) Carbon Disulfide	4.269	76	61	Below Cal	#	73
20) Methylene Chloride	4.799	84	13991	Below Cal	#	72
31) Cyclohexane	7.869	56	5040	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	20867	4.247	ug/l #	47
38) Carbon Tetrachloride	7.875	117	24389	5.496	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	90284	61.024	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	90284	128.018	ug/l #	5

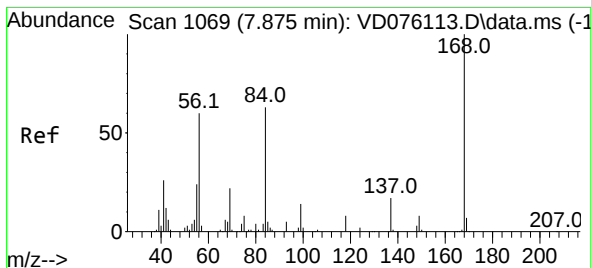
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076161.D

Acq: 19 May 2023 17:40

Instrument :

MSVOA_D

ClientSampleId :

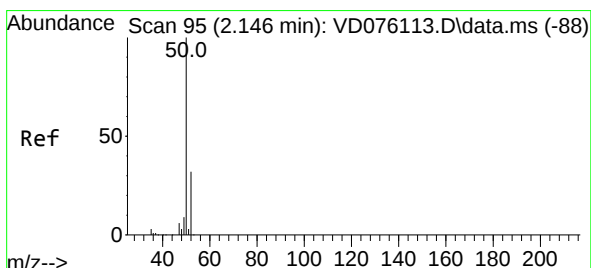
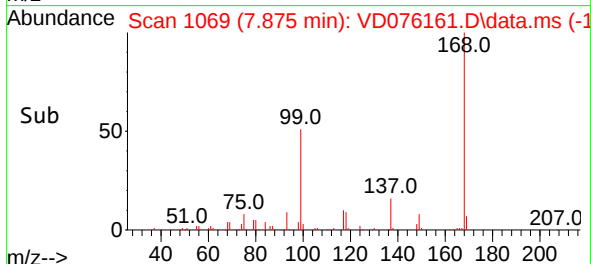
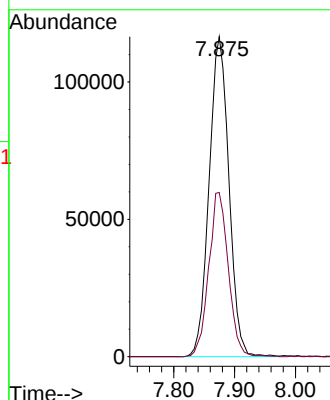
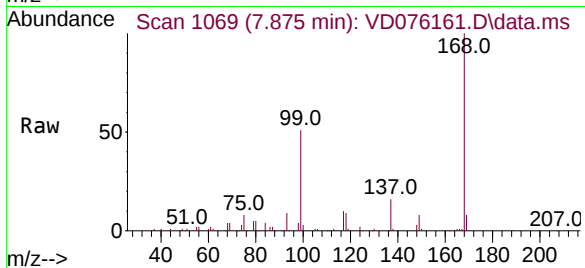
TP3

Tgt Ion:168 Resp: 263120

Ion Ratio Lower Upper

168 100

99 51.3 43.8 65.6



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. -0.000 min

Lab File: VD076161.D

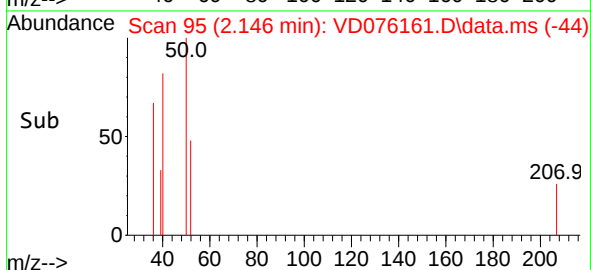
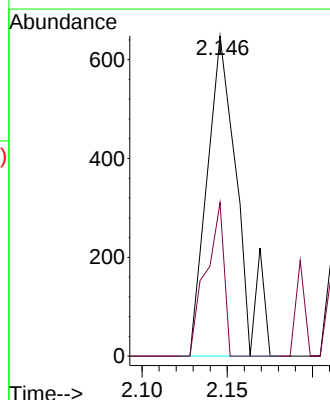
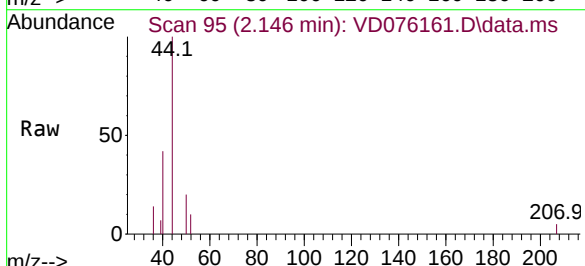
Acq: 19 May 2023 17:40

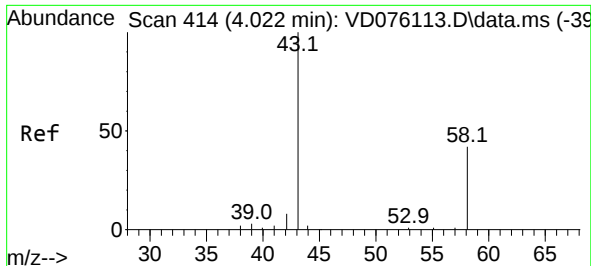
Tgt Ion: 50 Resp: 806

Ion Ratio Lower Upper

50 100

52 48.0 27.8 41.8#

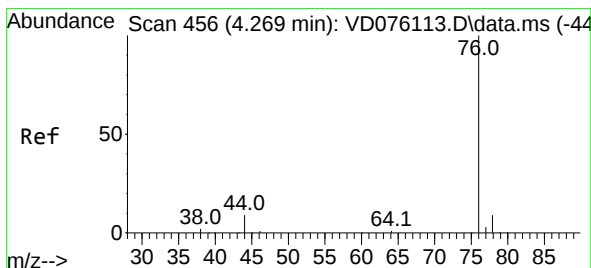
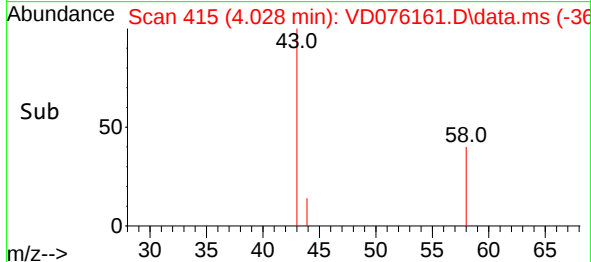
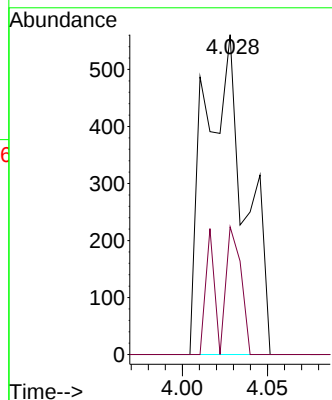
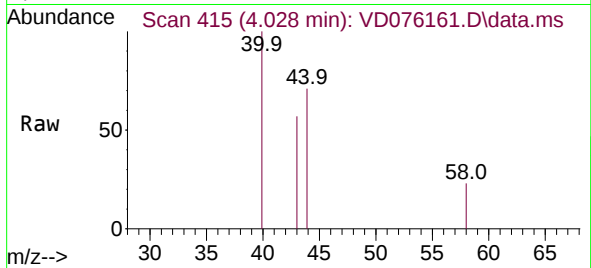




#16
Acetone
Concen: 1.828 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

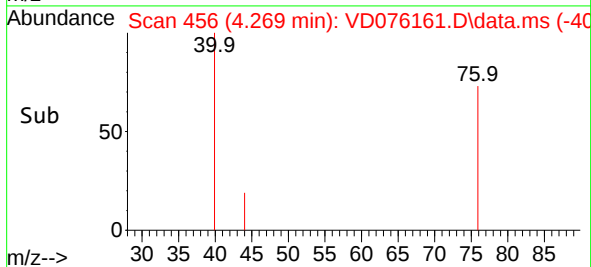
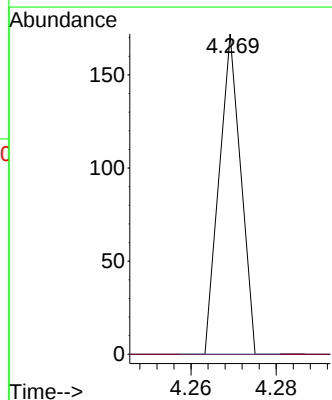
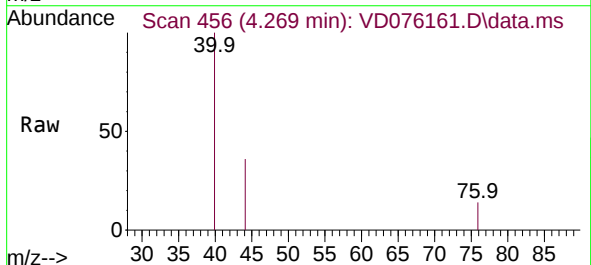
Instrument :
MSVOA_D
ClientSampleId :
TP3

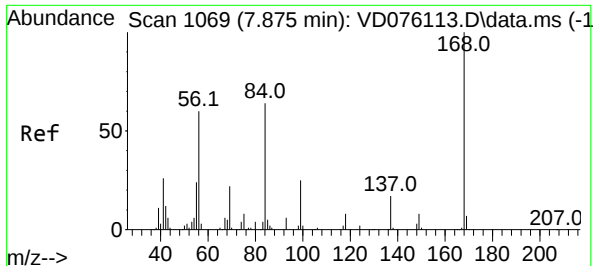
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 39.9 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

Tgt Ion: 76 Resp: 61
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

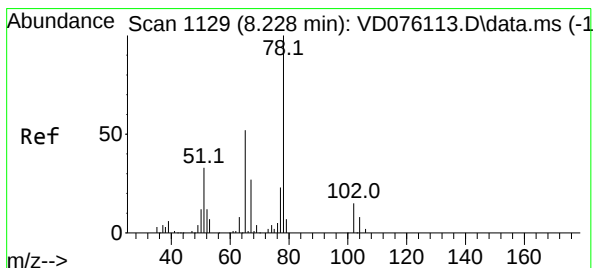
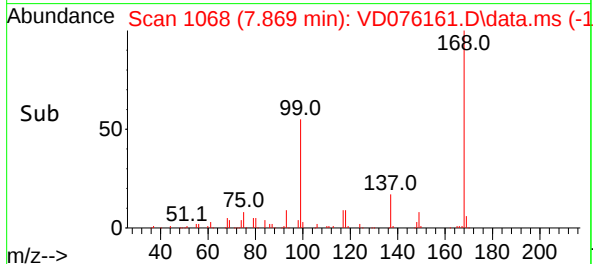
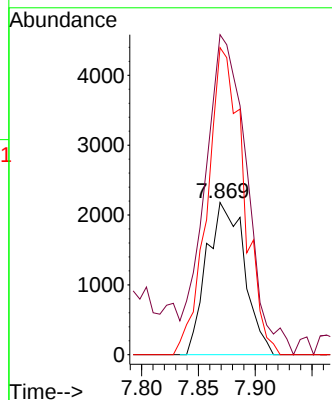
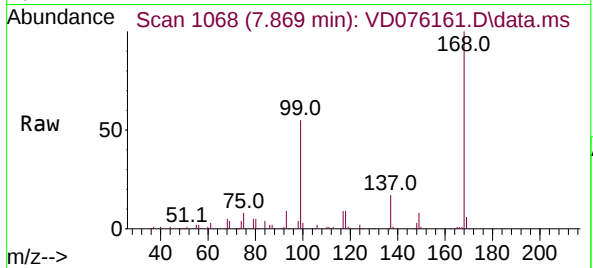




#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

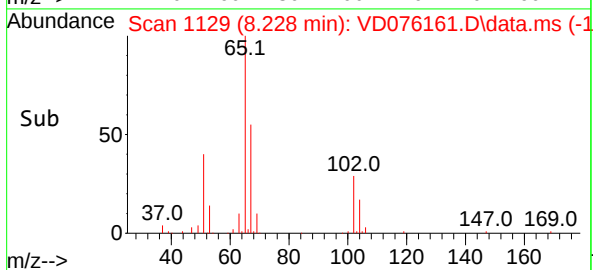
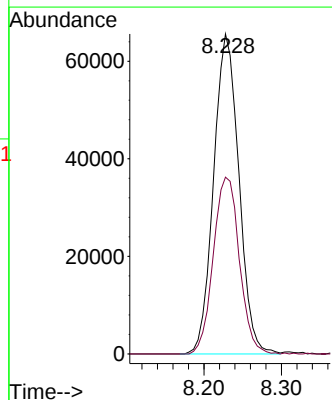
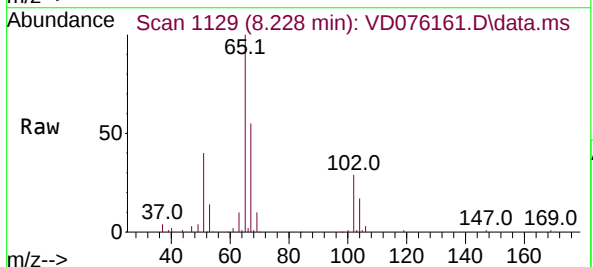
Instrument :
MSVOA_D
ClientSampleId :
TP3

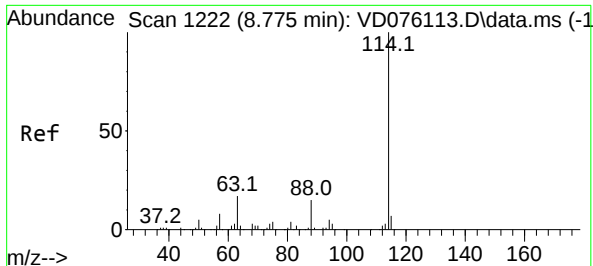
Tgt Ion: 56 Resp: 5040
Ion Ratio Lower Upper
56 100
69 192.7 25.5 38.3#
84 201.7 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 58.463 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

Tgt Ion: 65 Resp: 148671
Ion Ratio Lower Upper
65 100
67 57.0 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: VD076161.D

Acq: 19 May 2023 17:40

Instrument :

MSVOA_D

ClientSampleId :

TP3

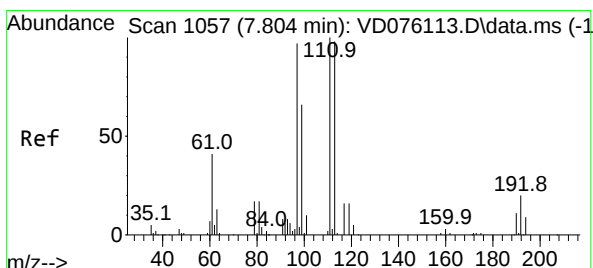
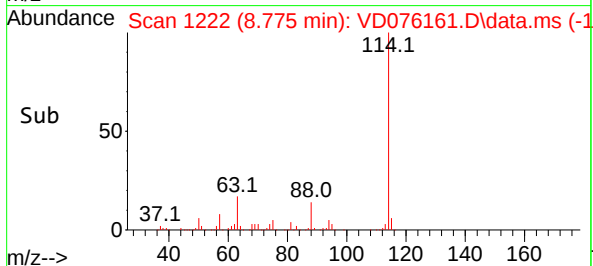
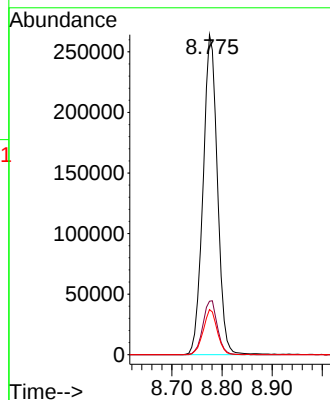
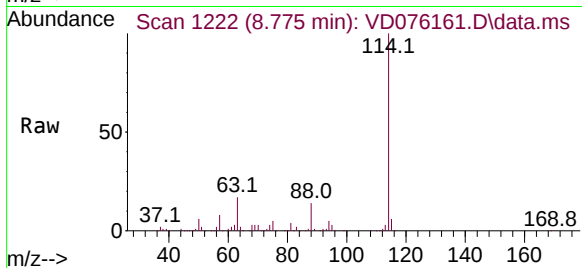
Tgt Ion:114 Resp: 526264

Ion Ratio Lower Upper

114 100

63 16.7 0.0 41.6

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.793 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076161.D

Acq: 19 May 2023 17:40

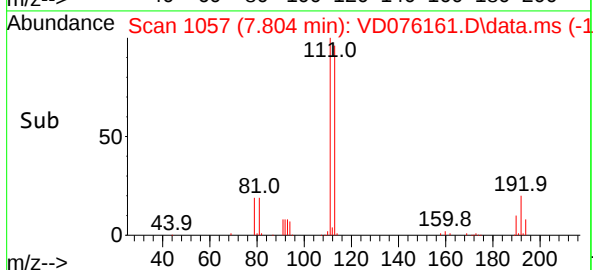
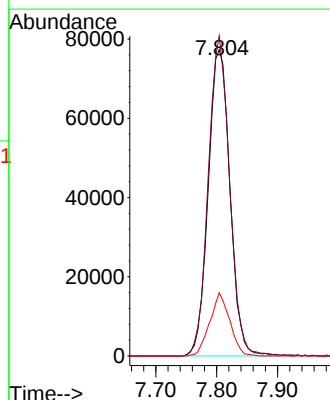
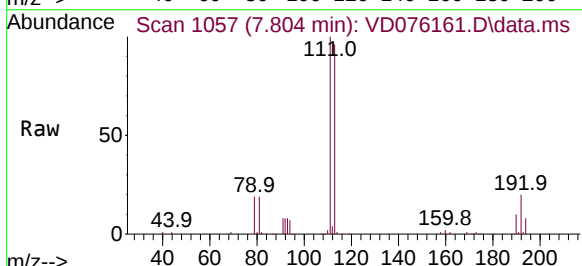
Tgt Ion:113 Resp: 192041

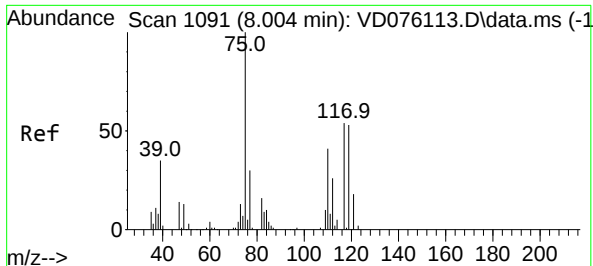
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.247 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076161.D

Acq: 19 May 2023 17:40

Instrument :

MSVOA_D

ClientSampleId :

TP3

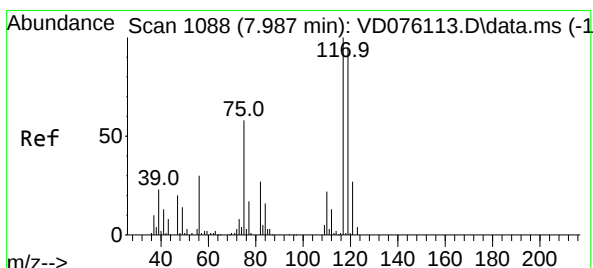
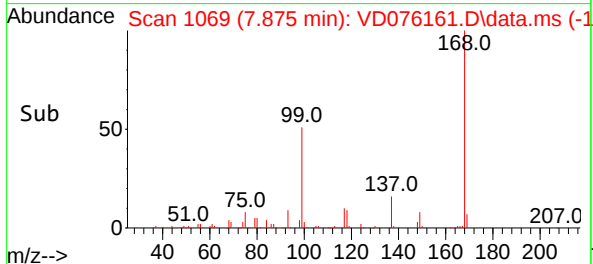
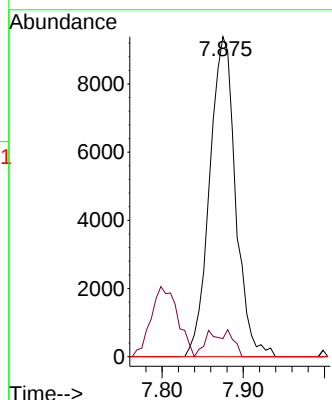
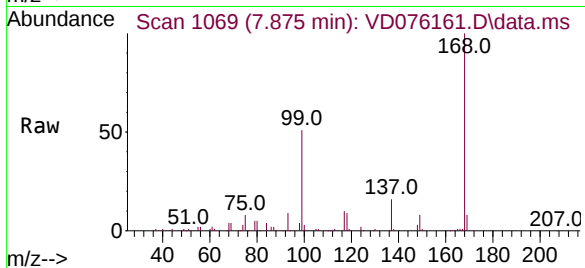
Tgt Ion: 75 Resp: 20867

Ion Ratio Lower Upper

75 100

110 5.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.496 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076161.D

Acq: 19 May 2023 17:40

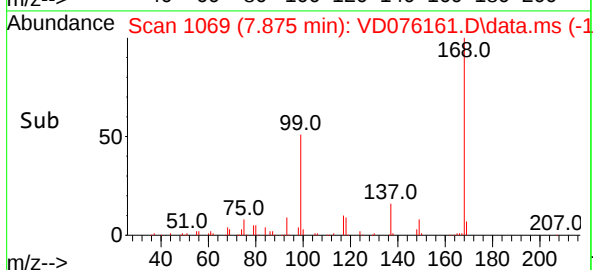
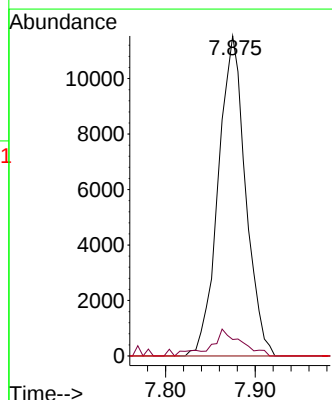
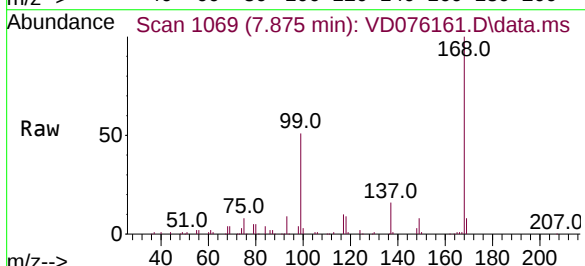
Tgt Ion: 117 Resp: 24389

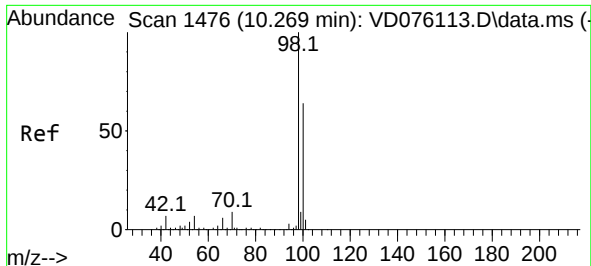
Ion Ratio Lower Upper

117 100

119 5.1 74.7 112.1#

121 0.0 25.9 38.9#

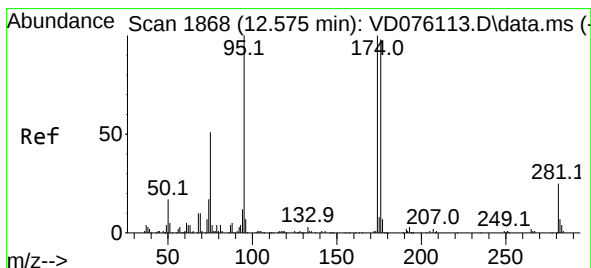
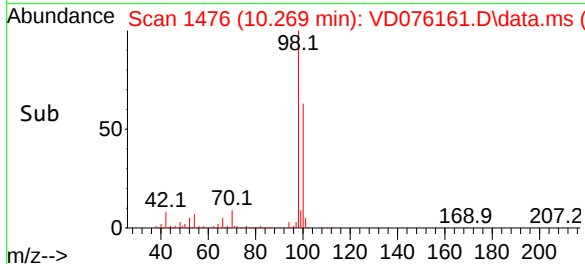
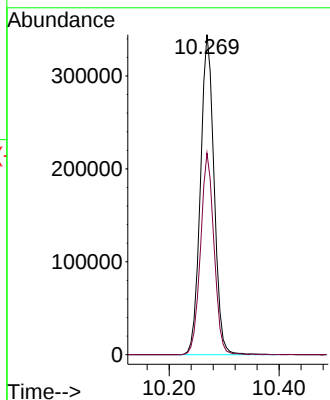
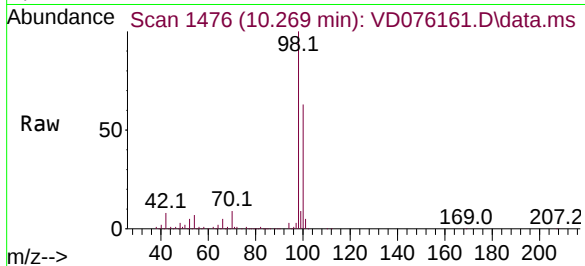




#50
Toluene-d8
Concen: 41.831 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

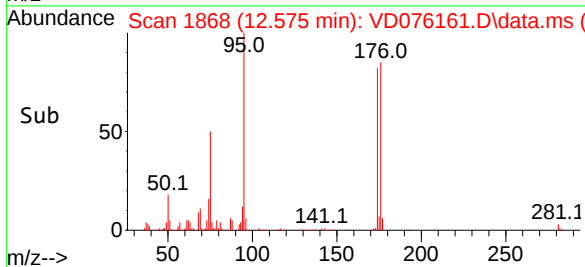
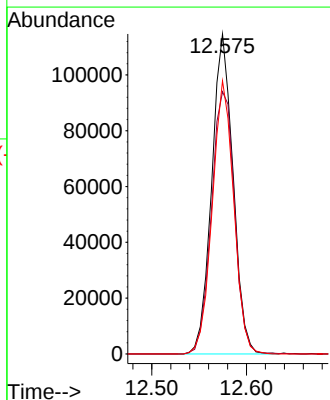
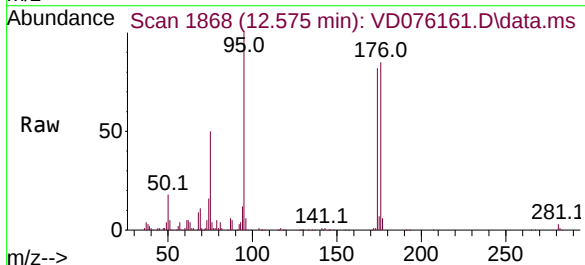
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TP3

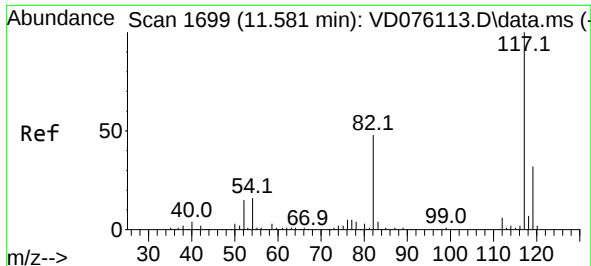
Tgt Ion: 98 Resp: 593185
Ion Ratio Lower Upper
98 100
100 62.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.604 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

Tgt Ion: 95 Resp: 179641
Ion Ratio Lower Upper
95 100
174 88.7 0.0 164.0
176 85.8 0.0 156.8

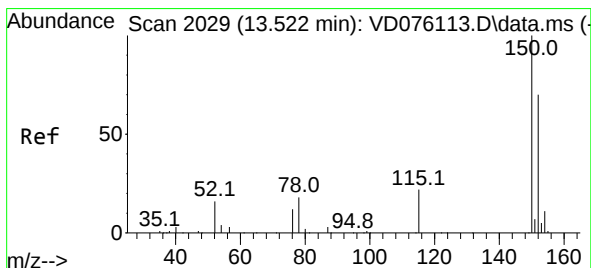
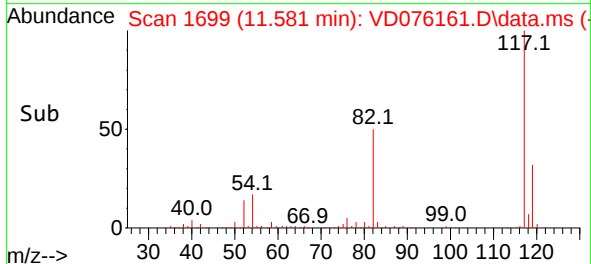
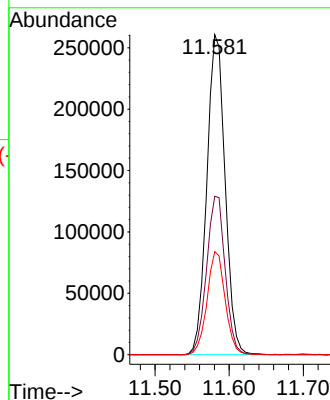
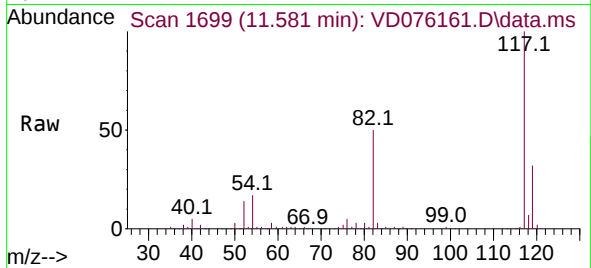




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

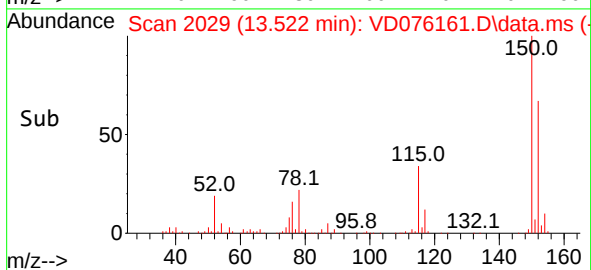
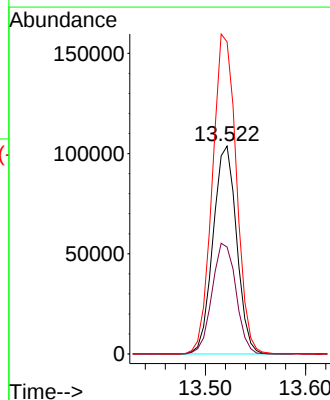
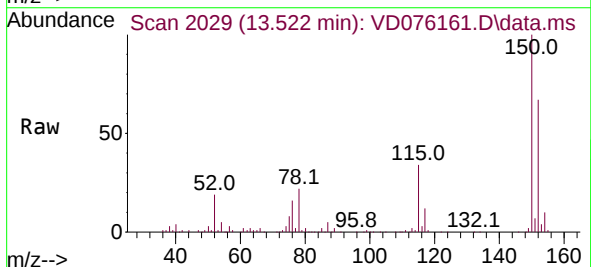
Instrument :
MSVOA_D
ClientSampleId :
TP3

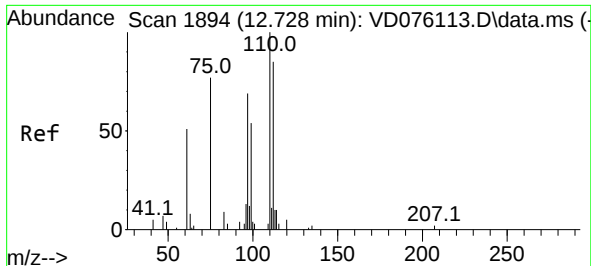
Tgt Ion:117 Resp: 445844
Ion Ratio Lower Upper
117 100
82 49.5 44.0 66.0
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

Tgt Ion:152 Resp: 169068
Ion Ratio Lower Upper
152 100
115 54.2 30.1 90.3
150 156.6 0.0 364.8

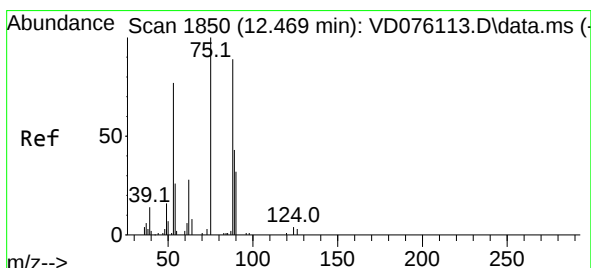
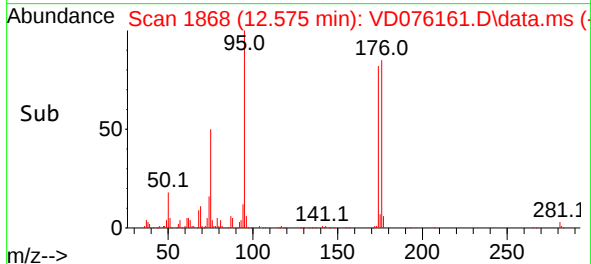
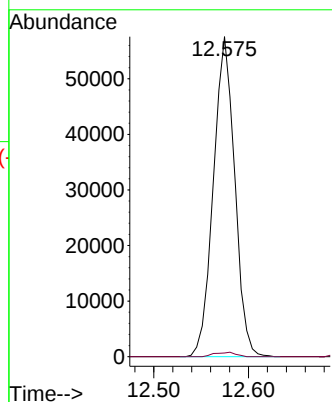
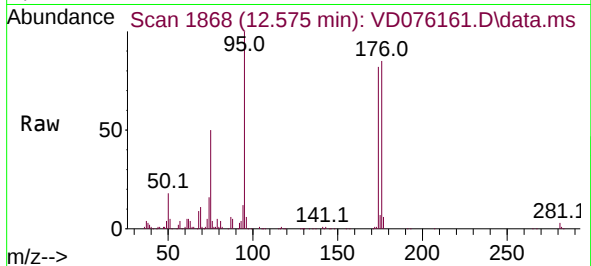




#76
1,2,3-Trichloropropane
Concen: 61.024 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

Instrument :
MSVOA_D
ClientSampleId :
TP3

Tgt Ion: 75 Resp: 90284
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.018 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076161.D
Acq: 19 May 2023 17:40

Tgt Ion: 75 Resp: 90284
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 0.1 40.2 60.4#

