

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076162.D
 Acq On : 19 May 2023 18:10
 Operator : KP/SY
 Sample : 02849-01
 Misc : 4.77G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7

Quant Time: May 22 01:31:02 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)

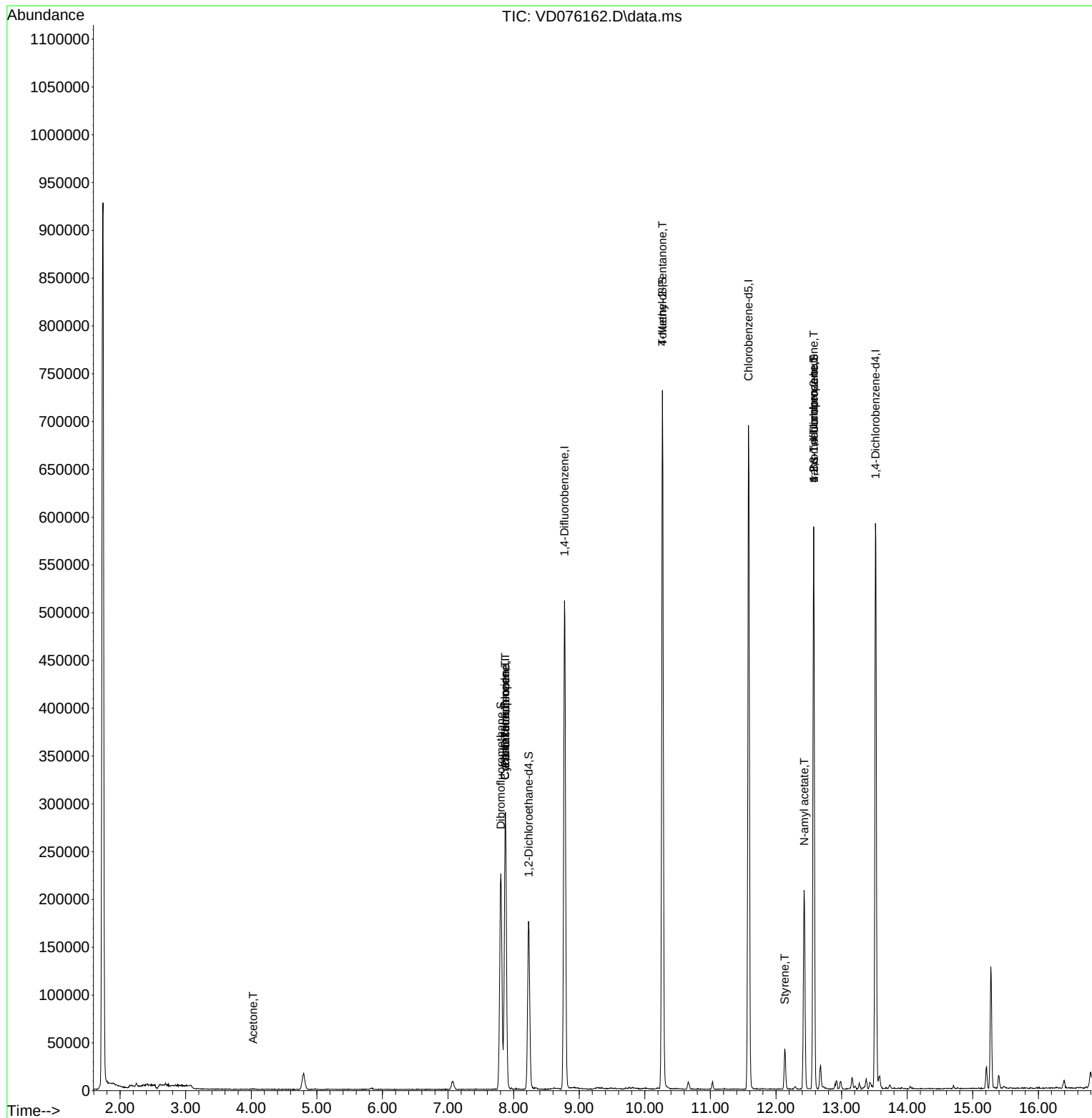
Internal Standards						
1) Pentafluorobenzene	7.875	168	233306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	485021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	426937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	168178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	134503	59.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.300%	
35) Dibromofluoromethane	7.805	113	169423	50.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.269	98	520735	39.845	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 79.680%	
62) 4-Bromofluorobenzene	12.575	95	180131	49.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	542	Below Cal	#	72
16) Acetone	4.028	43	884	1.970	ug/l #	16
17) Carbon Disulfide	4.258	76	67	Below Cal	#	73
20) Methylene Chloride	4.799	84	14197	Below Cal	#	81
31) Cyclohexane	7.869	56	4654	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	19516	4.310	ug/l #	49
38) Carbon Tetrachloride	7.869	117	21634	5.290	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1598	1.026	ug/l #	1
70) Styrene	12.134	104	22919	2.282	ug/l #	86
74) N-amyl acetate	12.428	43	3864	1.950	ug/l #	8
76) 1,2,3-Trichloropropane	12.575	75	92540	62.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	92540	131.911	ug/l #	5

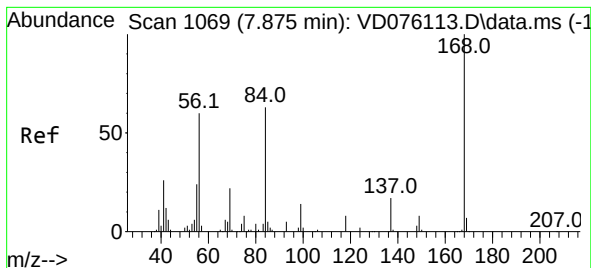
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076162.D

Acq: 19 May 2023 18:10

Instrument :

MSVOA_D

ClientSampleId :

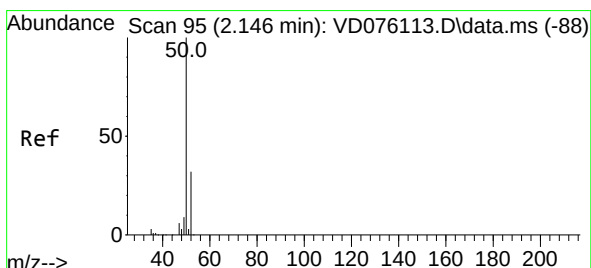
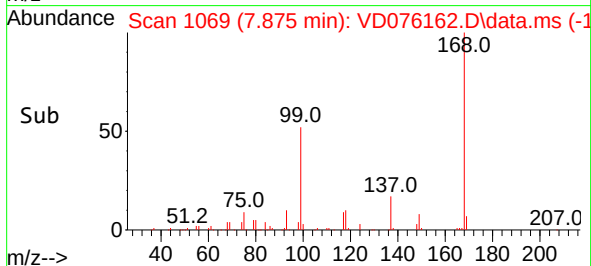
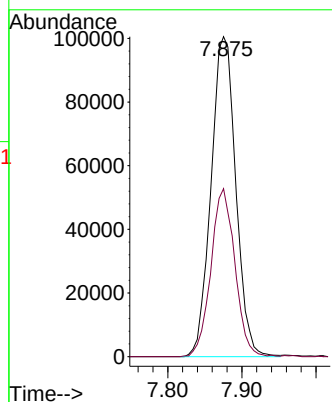
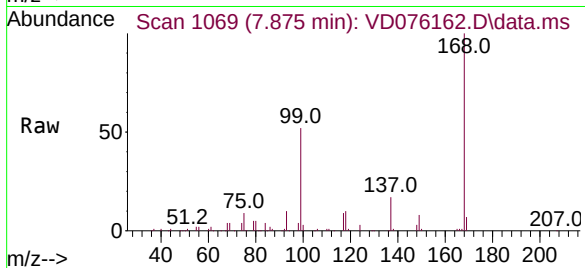
TP7

Tgt Ion:168 Resp: 233306

Ion Ratio Lower Upper

168 100

99 52.5 43.8 65.6



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD076162.D

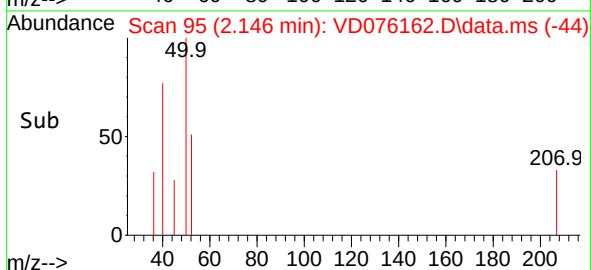
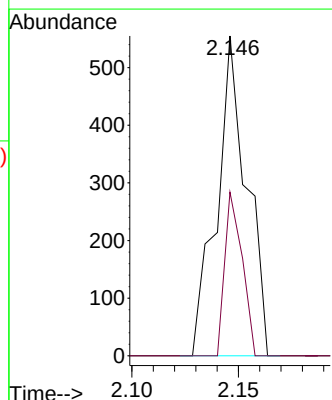
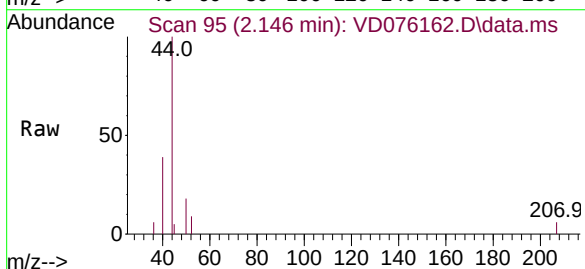
Acq: 19 May 2023 18:10

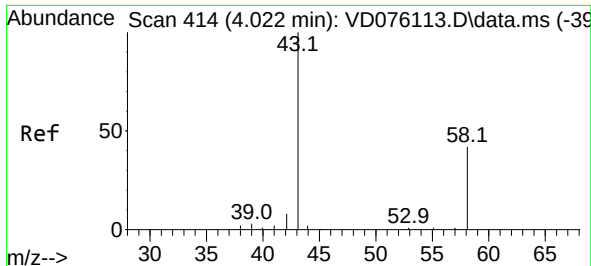
Tgt Ion: 50 Resp: 542

Ion Ratio Lower Upper

50 100

52 51.2 27.8 41.8#





#16

Acetone

Concen: 1.970 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076162.D

Acq: 19 May 2023 18:10

Instrument :

MSVOA_D

ClientSampleId :

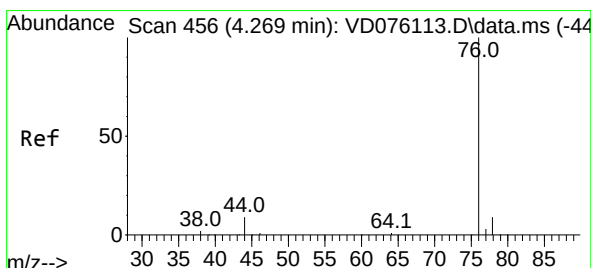
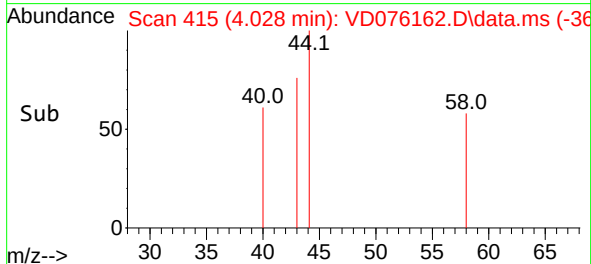
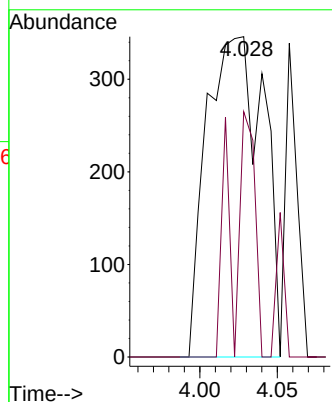
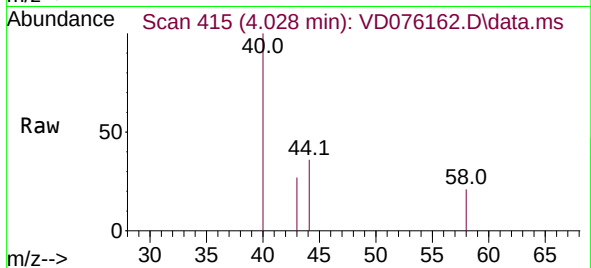
TP7

Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

58 76.6 24.4 36.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.258 min Scan# 454

Delta R.T. -0.011 min

Lab File: VD076162.D

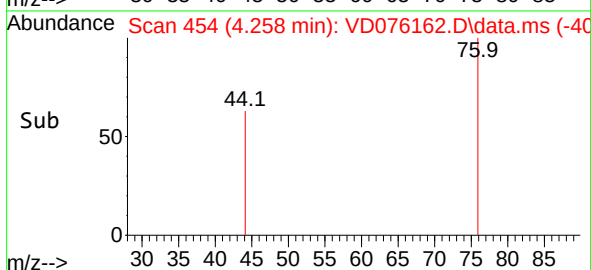
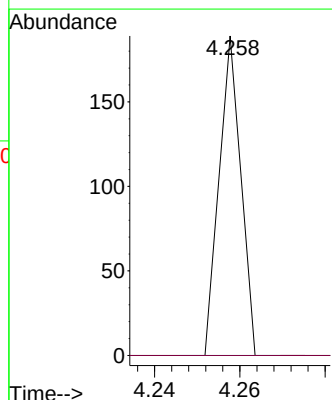
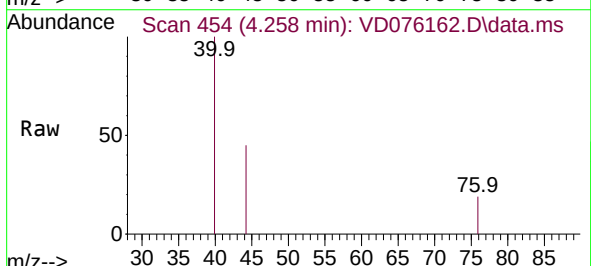
Acq: 19 May 2023 18:10

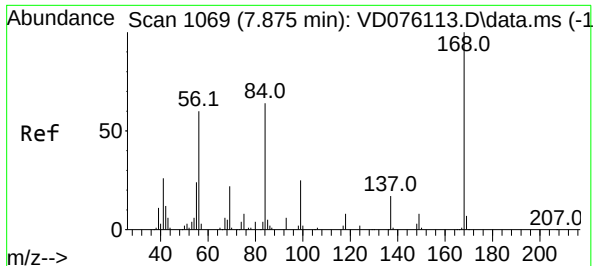
Tgt Ion: 76 Resp: 67

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#

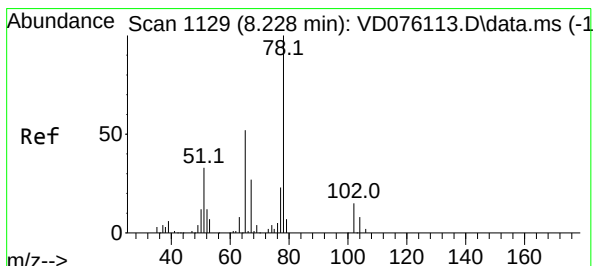
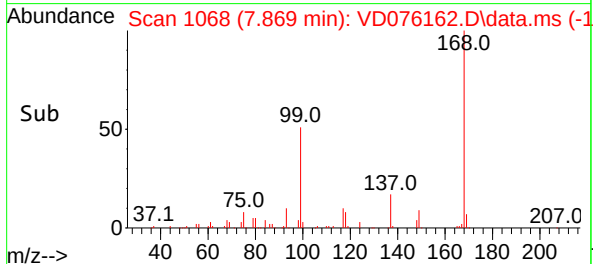
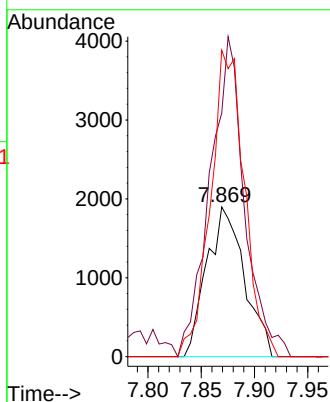
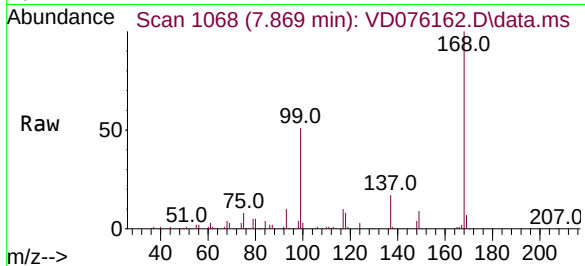




#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

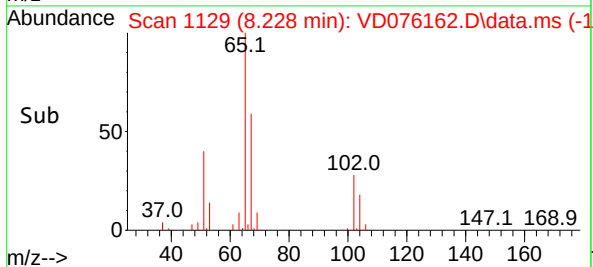
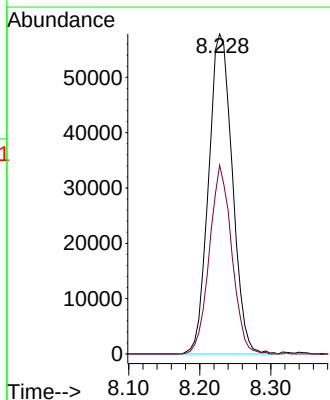
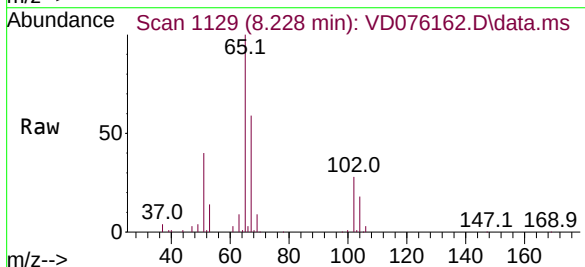
Instrument :
MSVOA_D
ClientSampleId :
TP7

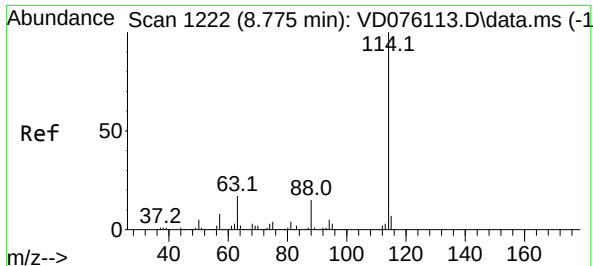
Tgt Ion: 56 Resp: 4654
Ion Ratio Lower Upper
56 100
69 162.6 25.5 38.3#
84 204.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 59.651 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

Tgt Ion: 65 Resp: 134503
Ion Ratio Lower Upper
65 100
67 55.4 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: VD076162.D

Acq: 19 May 2023 18:10

Instrument :

MSVOA_D

ClientSampleId :

TP7

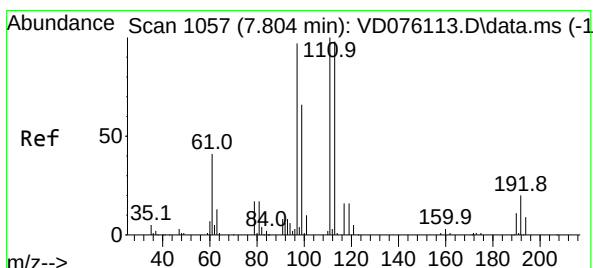
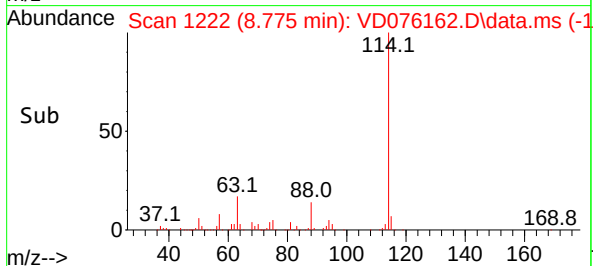
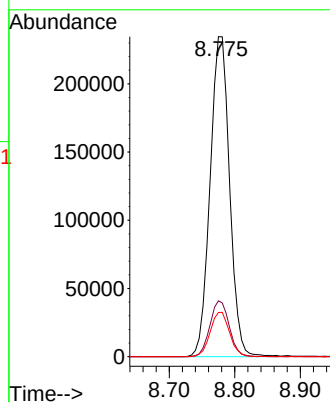
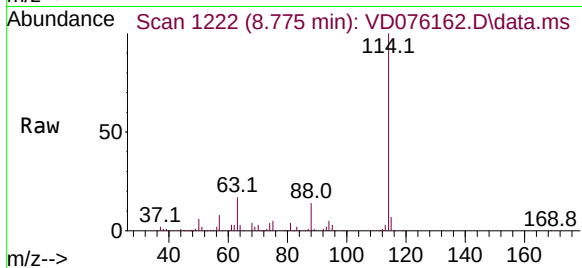
Tgt Ion:114 Resp: 485021

Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.6

88 13.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.536 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076162.D

Acq: 19 May 2023 18:10

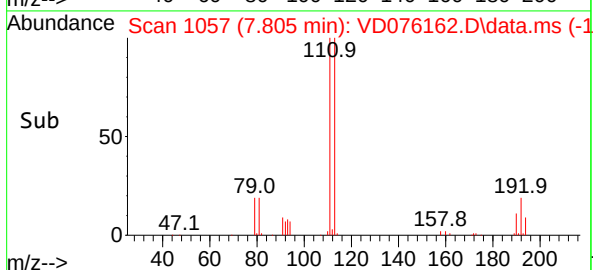
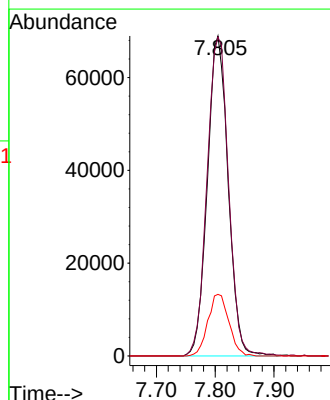
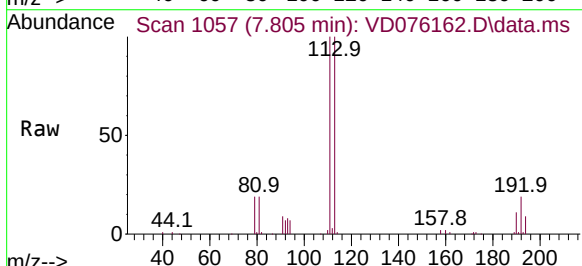
Tgt Ion:113 Resp: 169423

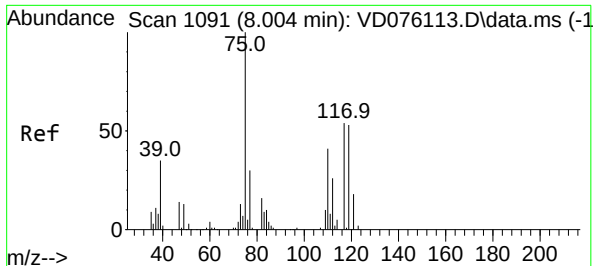
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.310 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076162.D

Acq: 19 May 2023 18:10

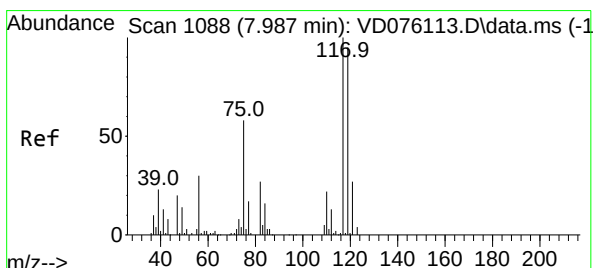
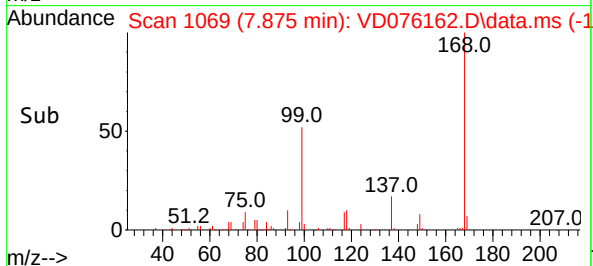
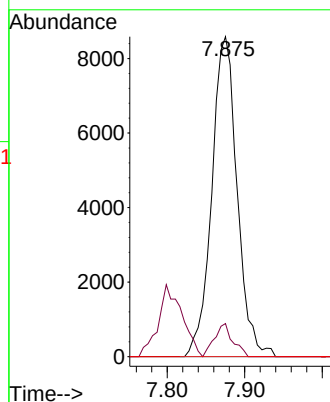
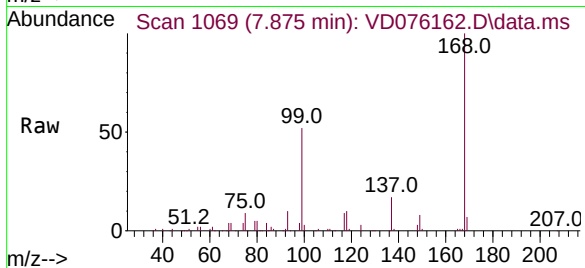
Instrument :

MSVOA_D

ClientSampleId :

TP7

Tgt Ion:	75	Resp:	19516
Ion Ratio	Lower	Upper	
75	100		
110	7.5	17.1	51.2#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.290 ug/l

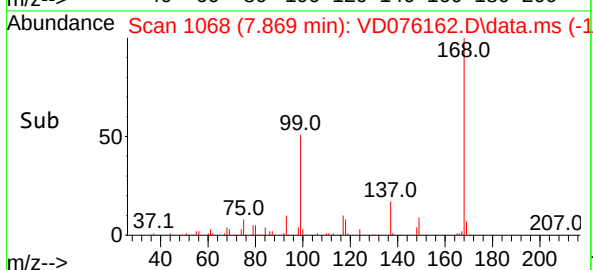
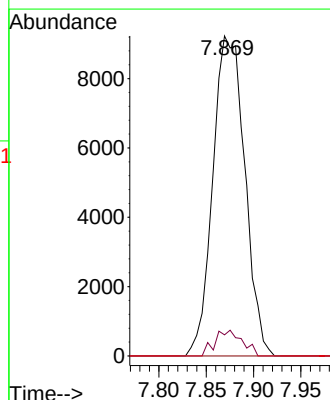
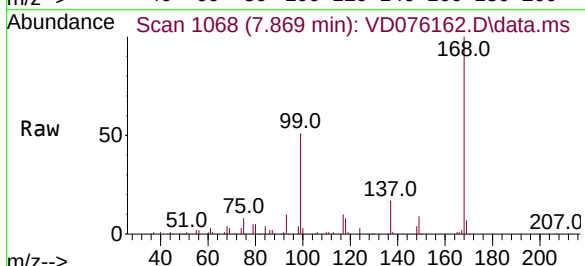
RT: 7.869 min Scan# 1068

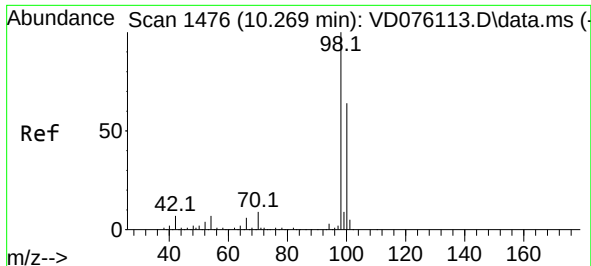
Delta R.T. -0.124 min

Lab File: VD076162.D

Acq: 19 May 2023 18:10

Tgt Ion:	117	Resp:	21634
Ion Ratio	Lower	Upper	
117	100		
119	6.6	74.7	112.1#
121	0.0	25.9	38.9#

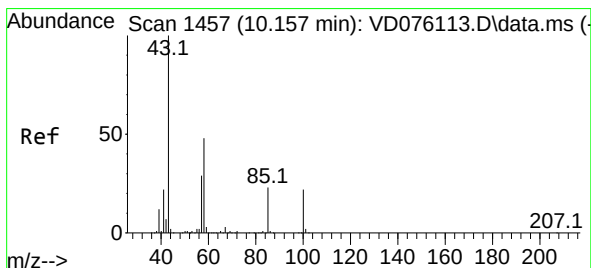
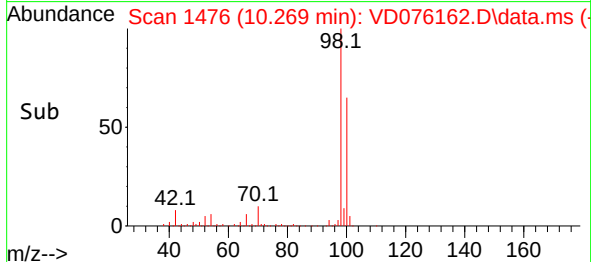
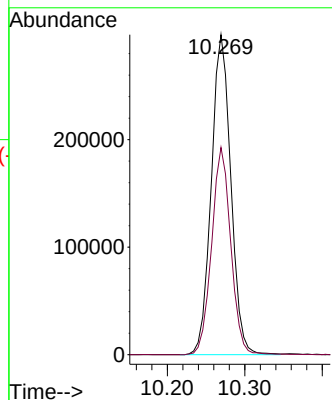
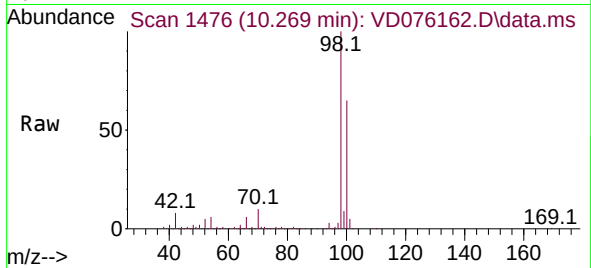




#50
Toluene-d8
Concen: 39.845 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

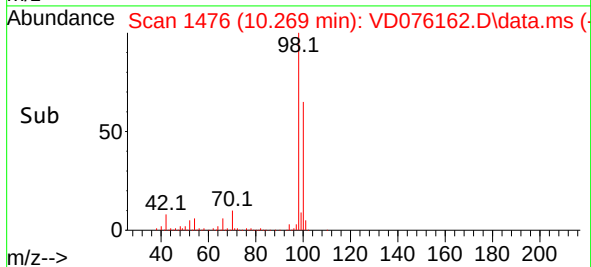
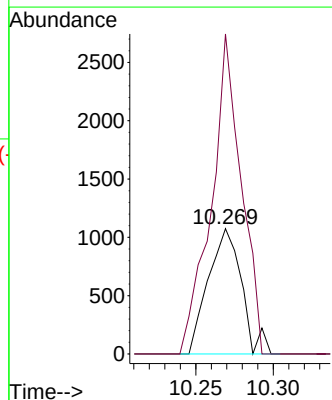
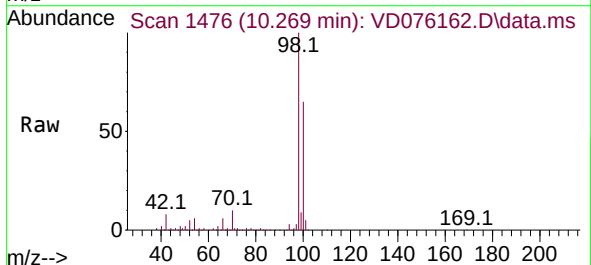
Instrument :
MSVOA_D
ClientSampleId :
TP7

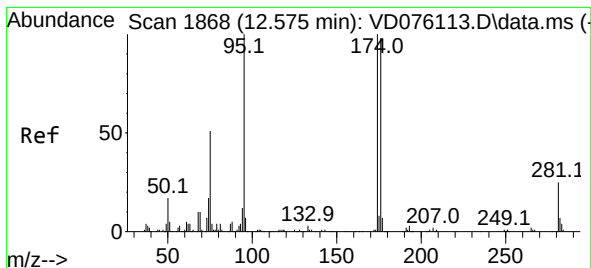
Tgt Ion: 98 Resp: 520735
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.026 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
58 231.0 29.5 44.3#

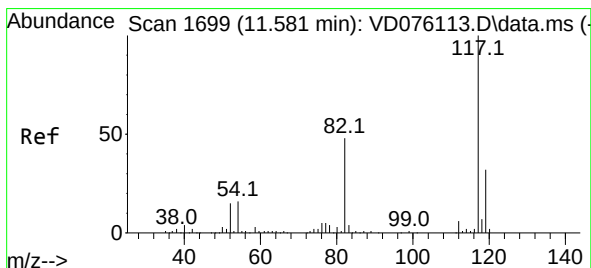
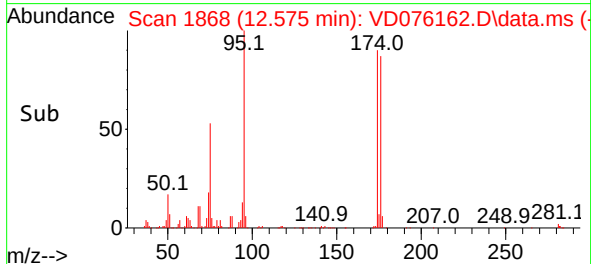
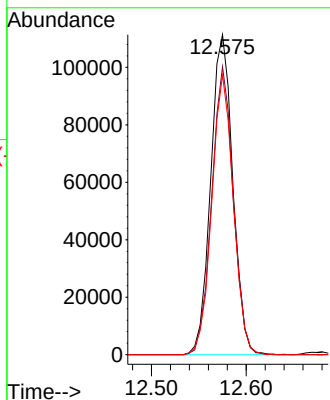
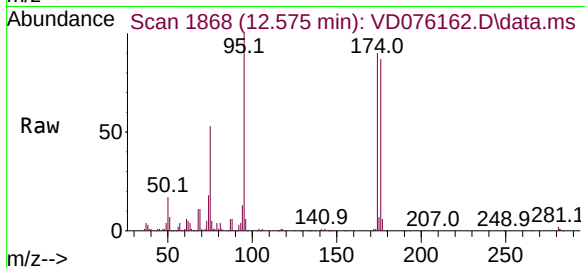




#62
4-Bromofluorobenzene
Concen: 49.617 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

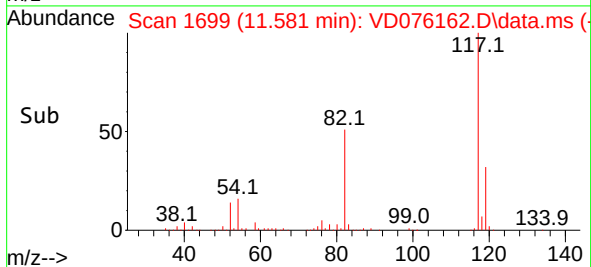
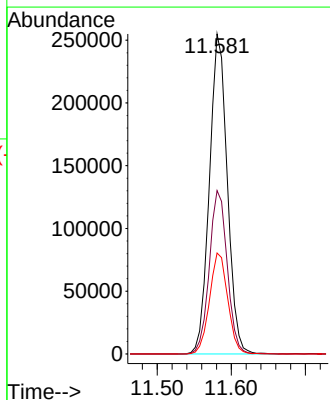
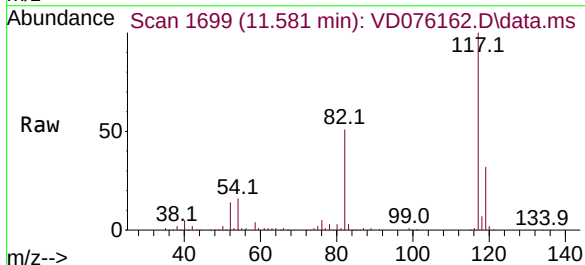
Instrument :
MSVOA_D
ClientSampleId :
TP7

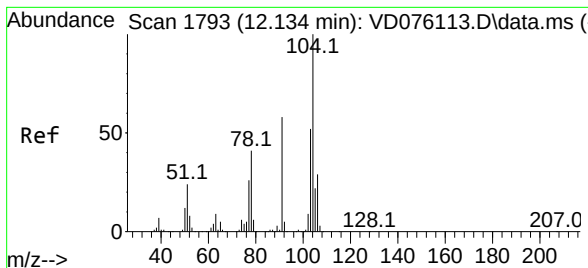
Tgt Ion: 95 Resp: 180131
Ion Ratio Lower Upper
95 100
174 88.0 0.0 164.0
176 85.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

Tgt Ion: 117 Resp: 426937
Ion Ratio Lower Upper
117 100
82 51.1 44.0 66.0
119 31.6 25.1 37.7





#70

Styrene

Concen: 2.282 ug/l

RT: 12.134 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076162.D

Acq: 19 May 2023 18:10

Instrument :

MSVOA_D

ClientSampleId :

TP7

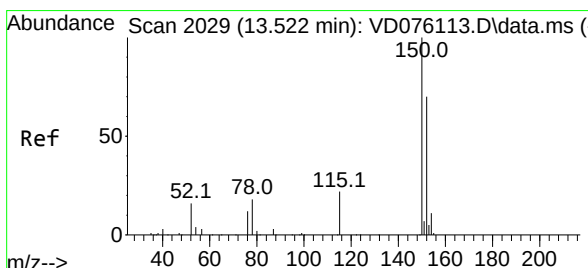
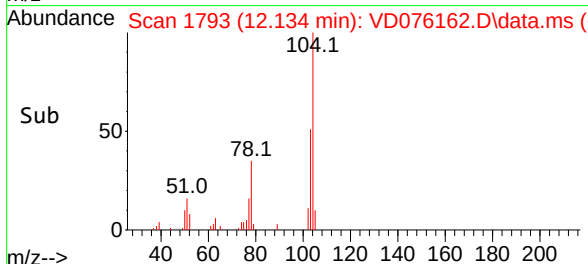
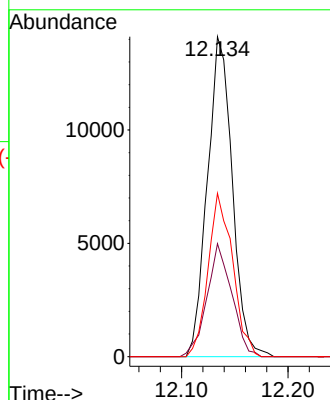
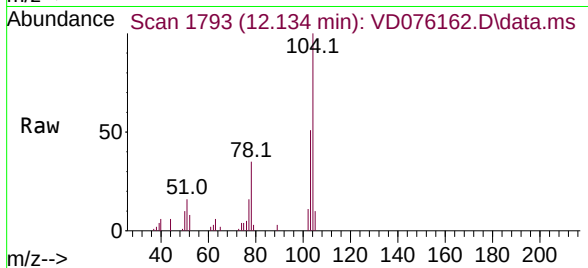
Tgt Ion:104 Resp: 22919

Ion Ratio Lower Upper

104 100

78 35.3 40.2 60.4#

103 50.4 44.2 66.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076162.D

Acq: 19 May 2023 18:10

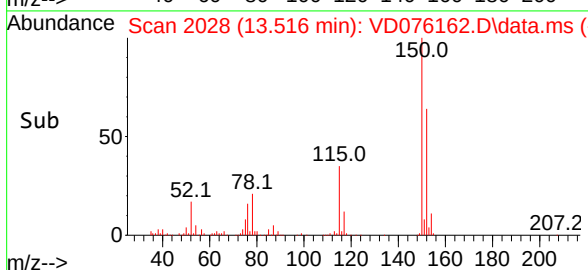
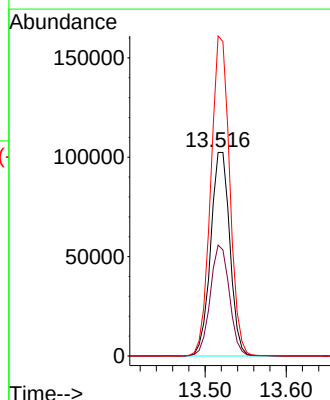
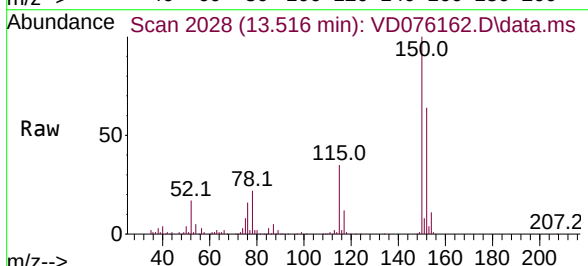
Tgt Ion:152 Resp: 168178

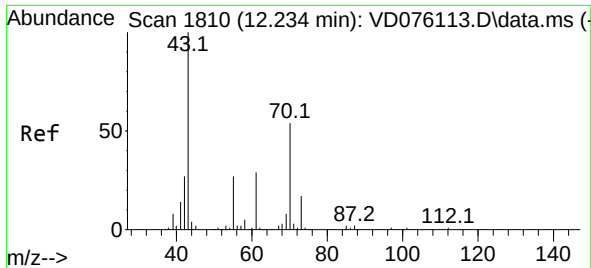
Ion Ratio Lower Upper

152 100

115 54.3 30.1 90.3

150 154.7 0.0 364.8

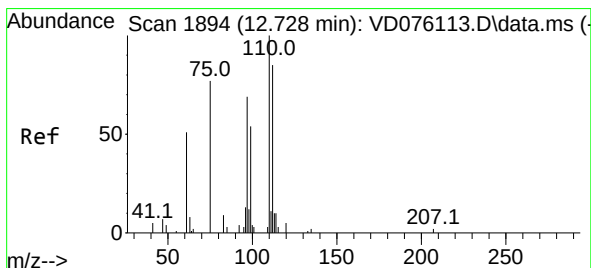
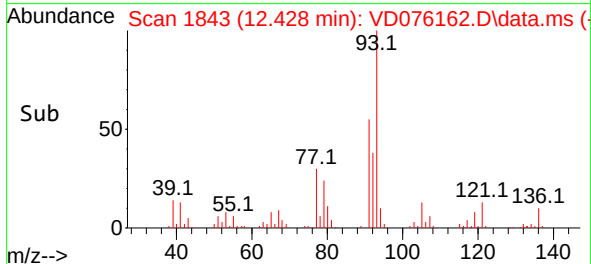
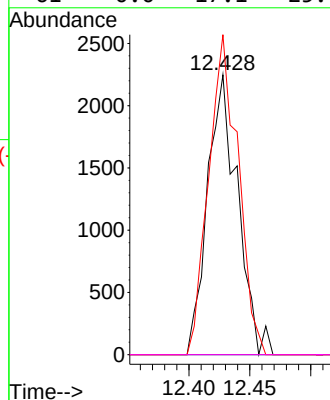
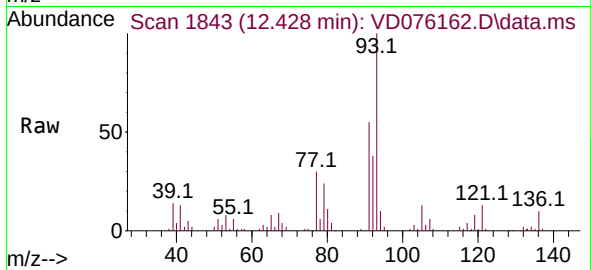




#74
N-amy1 acetate
Concen: 1.950 ug/l
RT: 12.428 min Scan# 1843
Delta R.T. 0.194 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

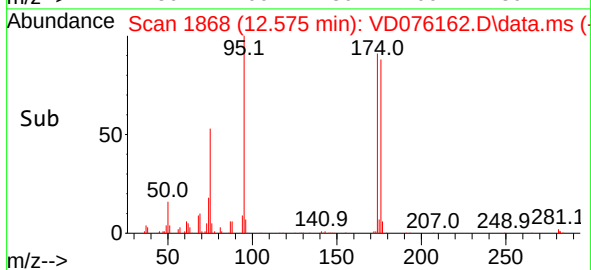
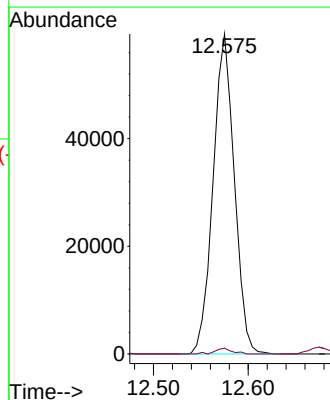
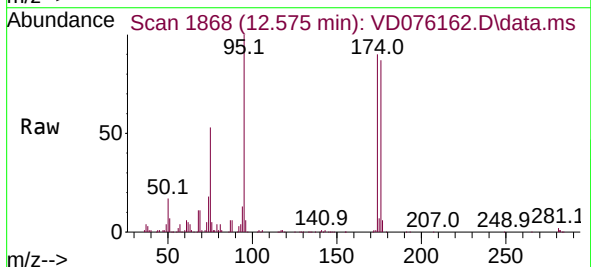
Instrument :
MSVOA_D
ClientSampleId :
TP7

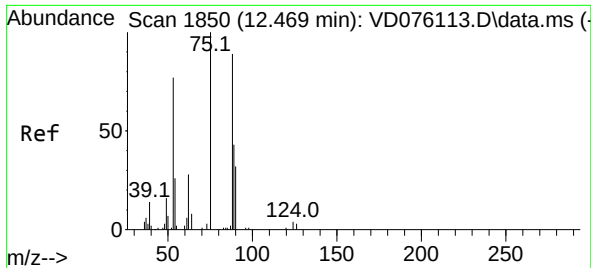
Tgt Ion: 43	Resp: 3864
Ion Ratio	Lower Upper
43 100	
70 0.0	31.0 46.4#
55 111.9	18.6 28.0#
61 0.0	17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 62.880 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076162.D
Acq: 19 May 2023 18:10

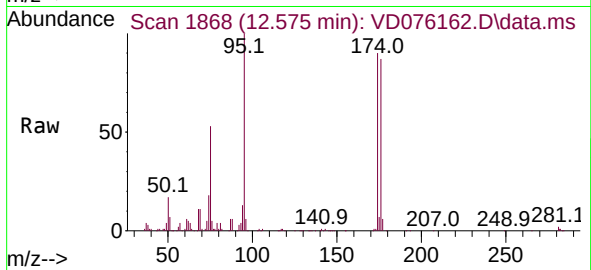
Tgt Ion: 75	Resp: 92540
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.911 ug/l
 RT: 12.575 min Scan# 1850
 Delta R.T. 0.100 min
 Lab File: VD076162.D
 Acq: 19 May 2023 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 TP7



Tgt Ion: 75 Resp: 92540
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

