

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076510.D
 Acq On : 21 Jun 2023 13:52
 Operator : KP/SY
 Sample : 03336-04
 Misc : 5.16G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-5

Quant Time: Jun 22 01:58:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

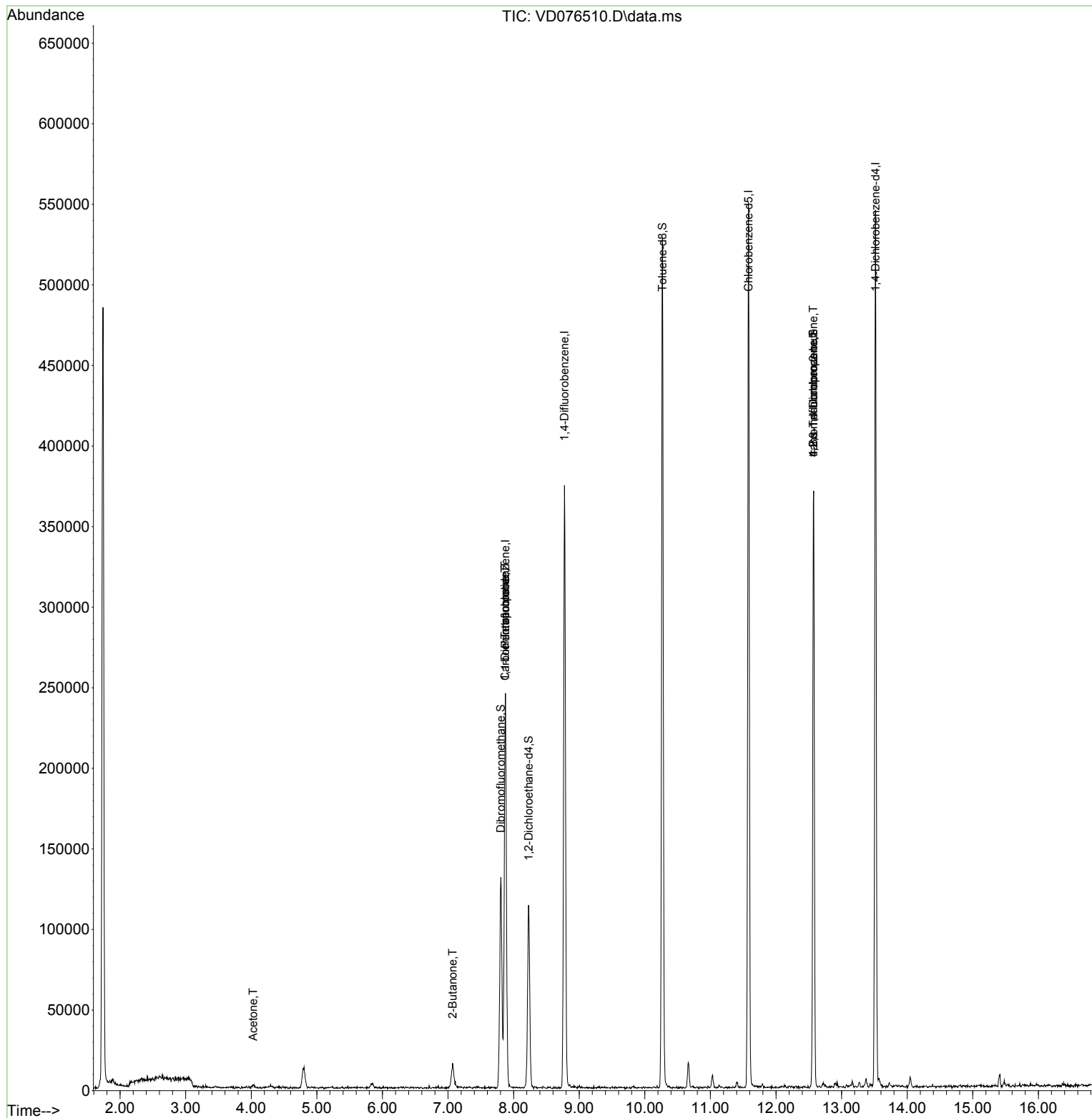
Internal Standards						
1) Pentafluorobenzene	7.875	168	188543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	323198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	298752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81923	43.368	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.740%
35) Dibromofluoromethane	7.805	113	91149	47.473	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.940%
50) Toluene-d8	10.269	98	360526	49.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.569	95	107888	45.654	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.300%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	2888	6.425	ug/l	100
20) Methylene Chloride	4.805	84	9743	Below Cal	#	89
25) 2-Butanone	7.069	43	1127	1.621	ug/l #	37
28) Bromochloromethane	7.575	49	62	Below Cal	#	1
31) Cyclohexane	7.869	56	4023	Below Cal	#	58
36) 1,1-Dichloropropene	7.869	75	15424	5.736	ug/l #	48
38) Carbon Tetrachloride	7.869	117	17105	7.118	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	58867	41.824	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	58867	91.646	ug/l #	17

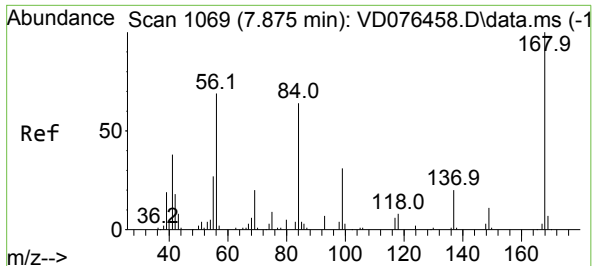
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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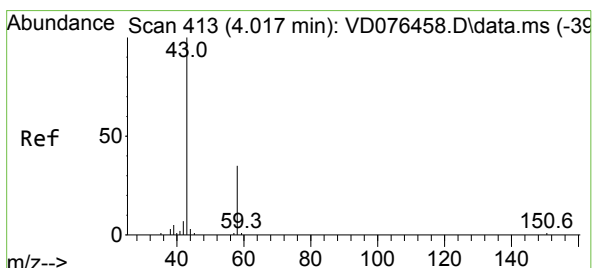
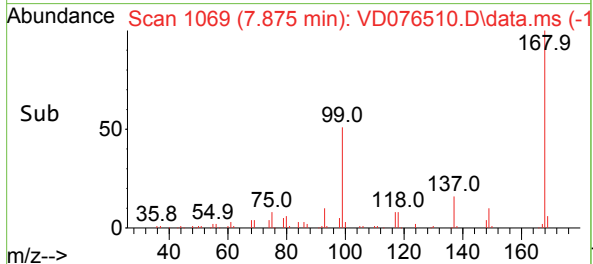
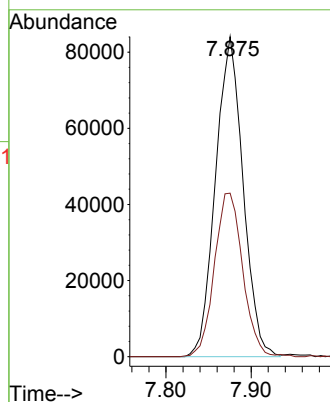
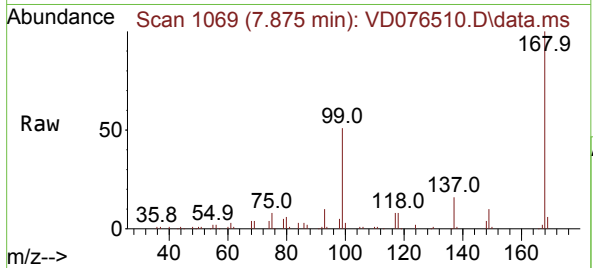




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

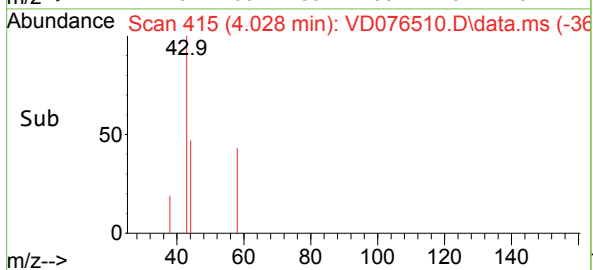
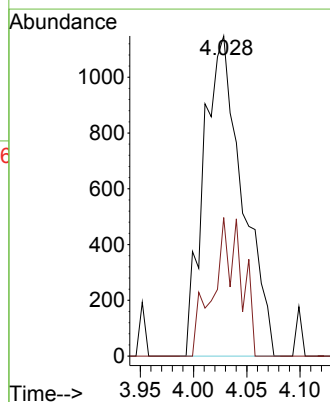
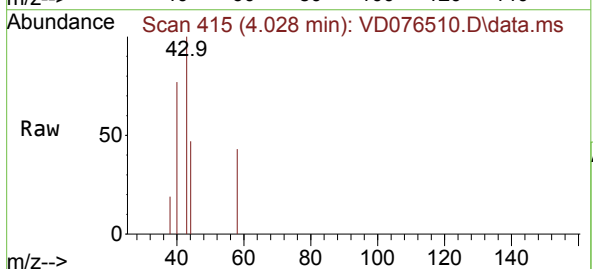
Instrument :
MSVOA_D
ClientSampleId :
WC-5

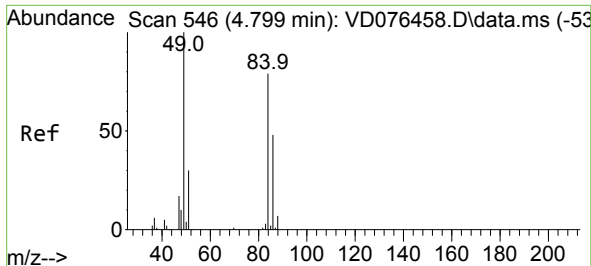
Tgt Ion:168 Resp: 188543
Ion Ratio Lower Upper
168 100
99 51.1 36.7 55.1



#16
Acetone
Concen: 6.425 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

Tgt Ion: 43 Resp: 2888
Ion Ratio Lower Upper
43 100
58 43.3 34.7 52.1

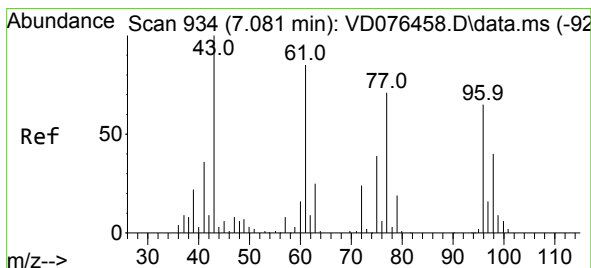
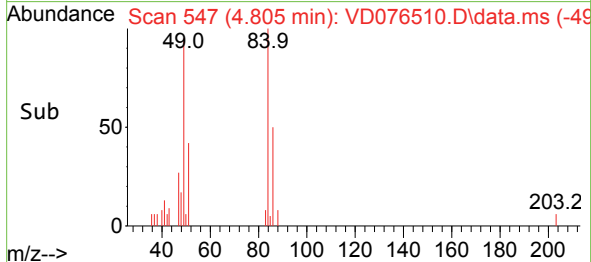
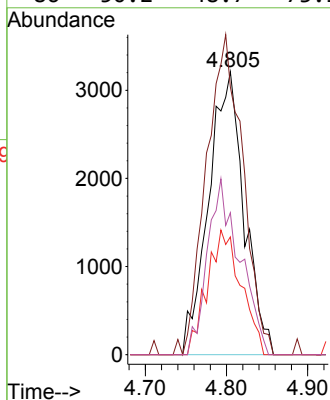
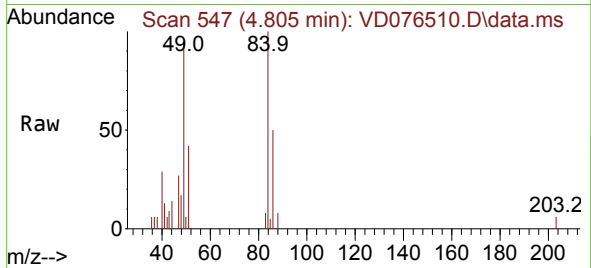




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

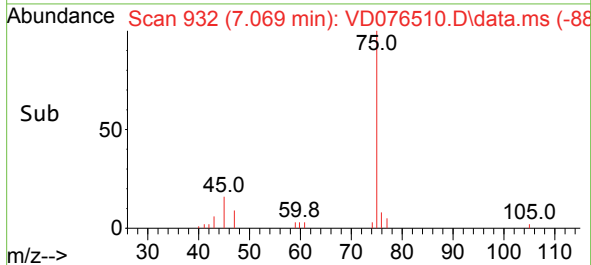
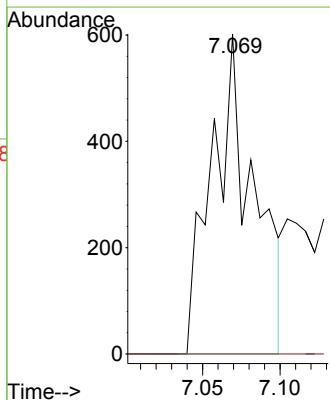
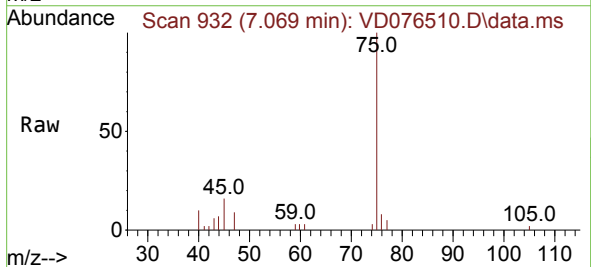
Instrument :
MSVOA_D
ClientSampleId :
WC-5

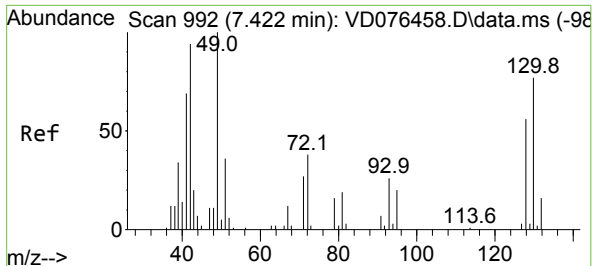
Tgt Ion: 84 Resp: 9743
Ion Ratio Lower Upper
84 100
49 94.6 71.4 107.2
51 41.7 24.5 36.7#
86 50.2 48.7 73.1



#25
2-Butanone
Concen: 1.621 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

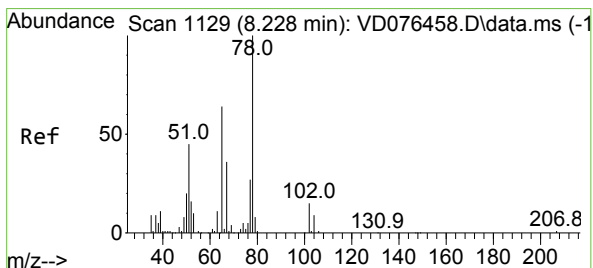
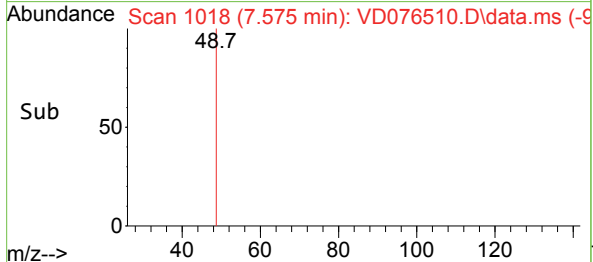
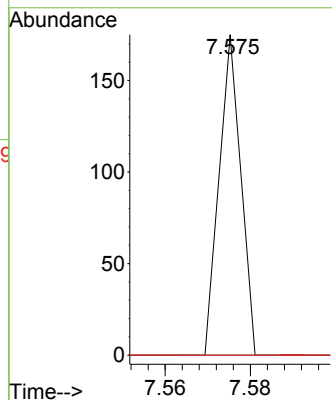
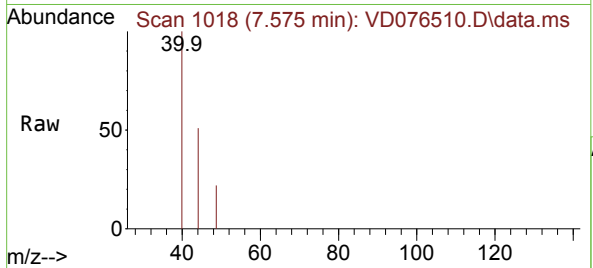




#28
Bromochloromethane
Concen: Below Cal
RT: 7.575 min Scan# 1018
Delta R.T. 0.153 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

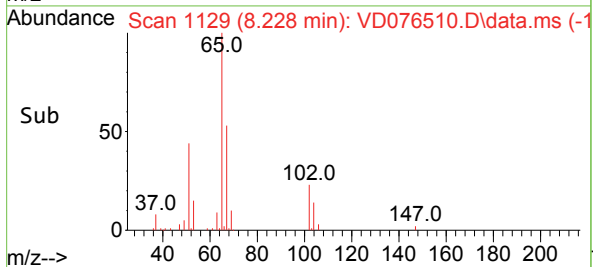
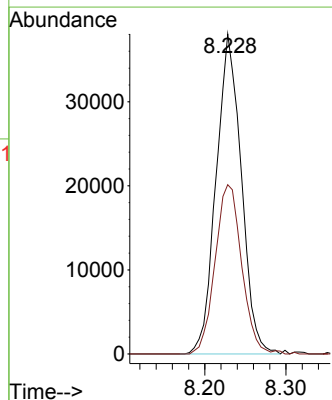
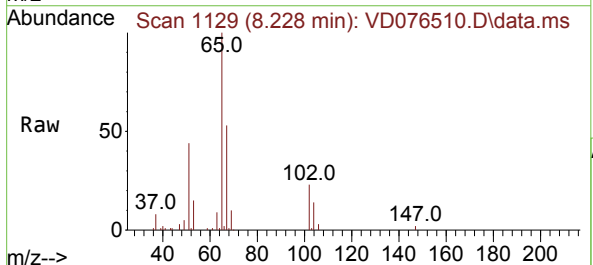
Instrument :
MSVOA_D
ClientSampleId :
WC-5

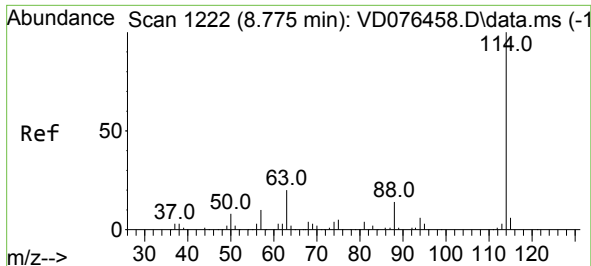
Tgt Ion: 49 Resp: 62
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#33
1,2-Dichloroethane-d4
Concen: 43.368 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

Tgt Ion: 65 Resp: 81923
Ion Ratio Lower Upper
65 100
67 56.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076510.D

Acq: 21 Jun 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :

WC-5

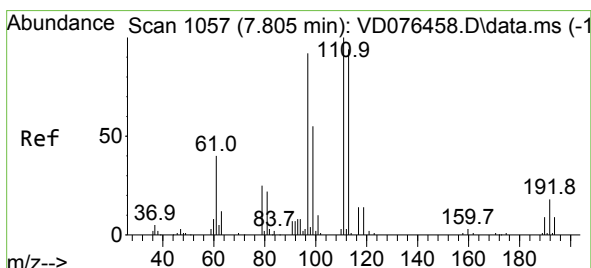
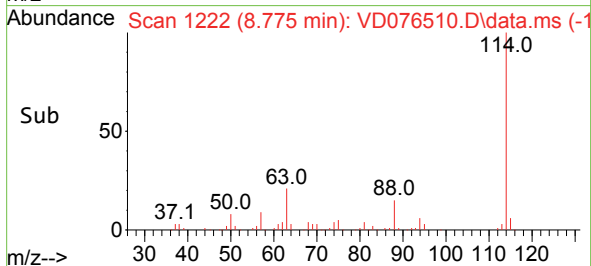
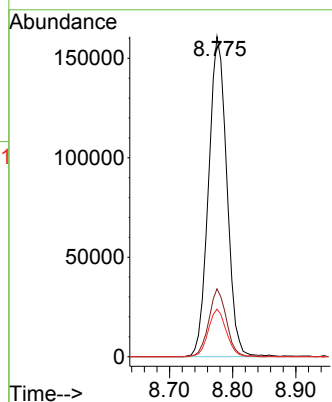
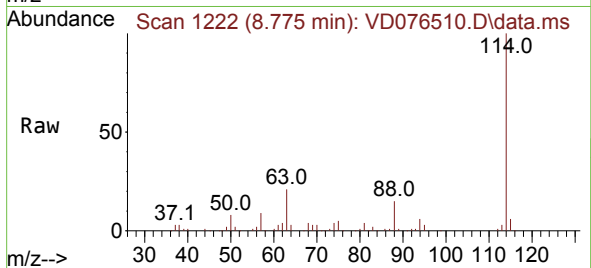
Tgt Ion:114 Resp: 323198

Ion Ratio Lower Upper

114 100

63 21.2 0.0 33.4

88 14.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.473 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076510.D

Acq: 21 Jun 2023 13:52

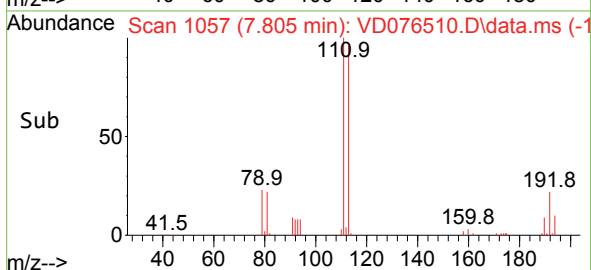
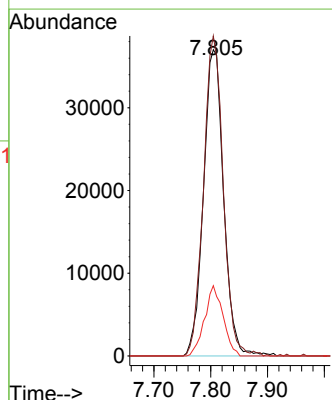
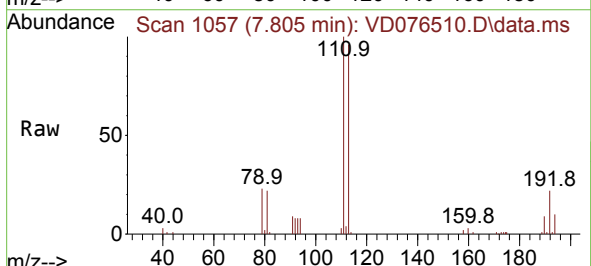
Tgt Ion:113 Resp: 91149

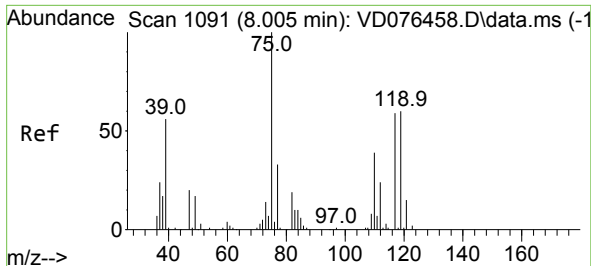
Ion Ratio Lower Upper

113 100

111 101.4 84.7 127.1

192 21.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.736 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076510.D

Acq: 21 Jun 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :

WC-5

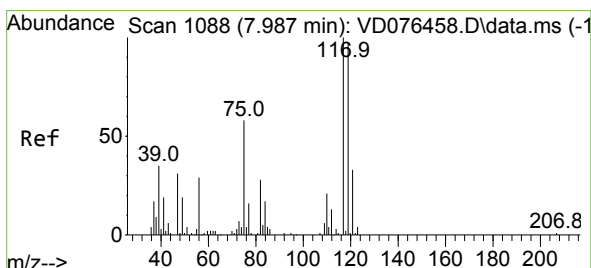
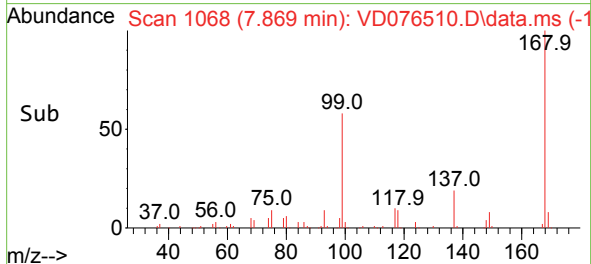
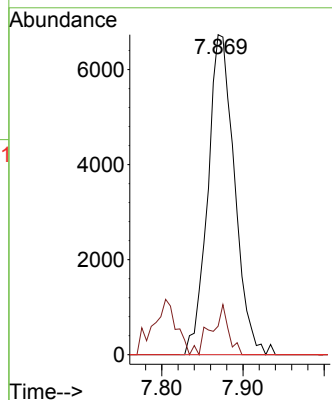
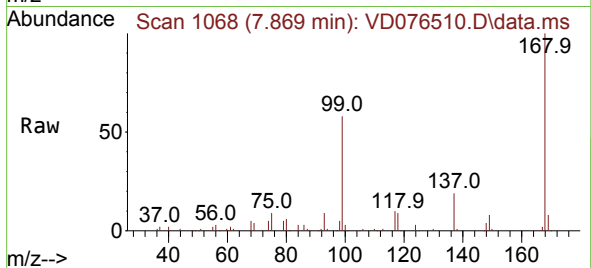
Tgt Ion: 75 Resp: 15424

Ion Ratio Lower Upper

75 100

110 10.1 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.118 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076510.D

Acq: 21 Jun 2023 13:52

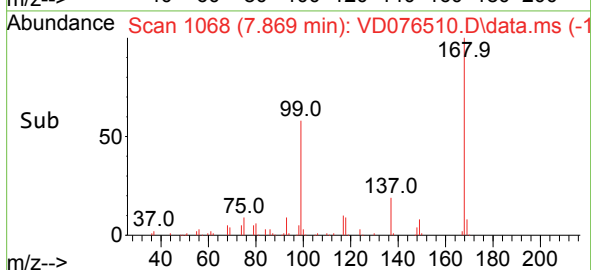
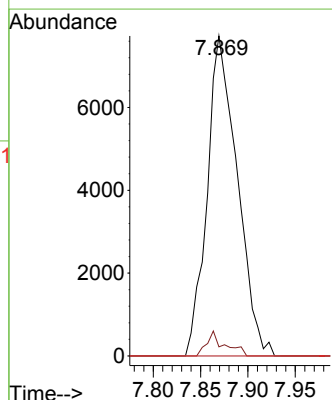
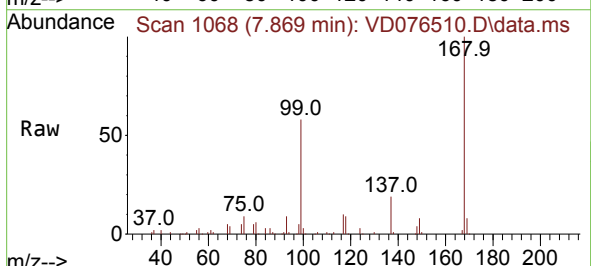
Tgt Ion: 117 Resp: 17105

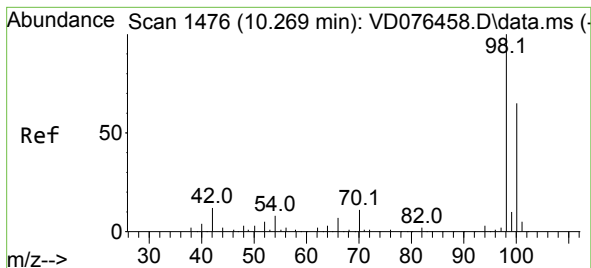
Ion Ratio Lower Upper

117 100

119 2.8 78.0 117.0#

121 0.0 24.2 36.2#

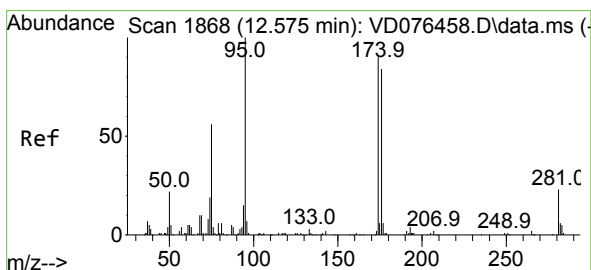
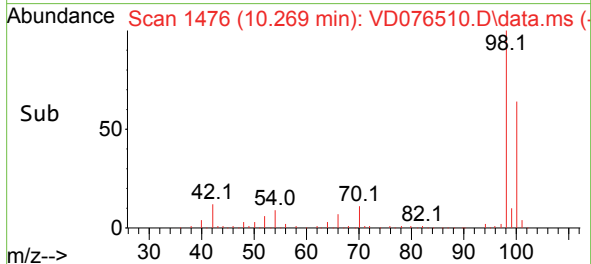
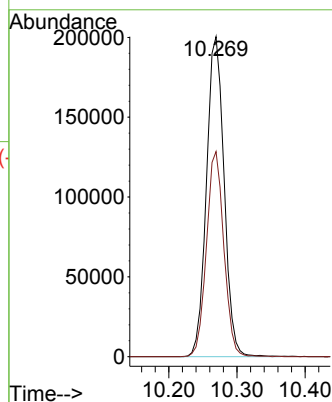
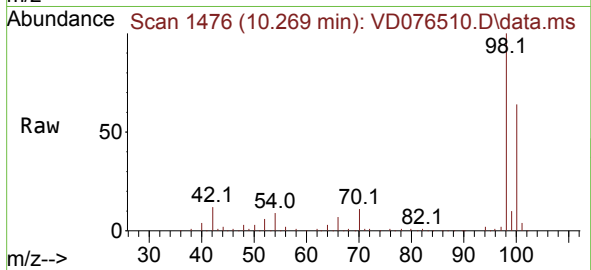




#50
Toluene-d8
Concen: 49.512 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

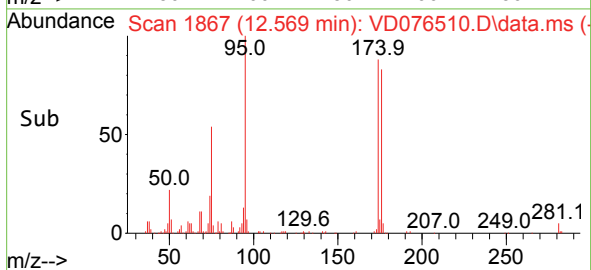
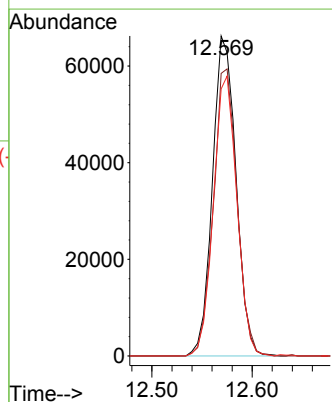
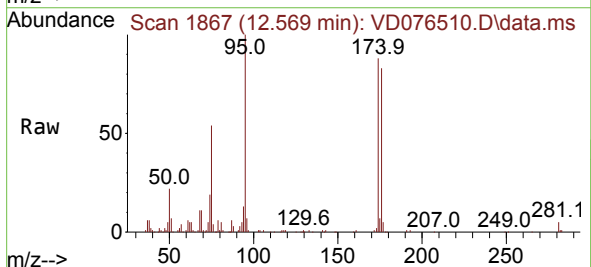
Instrument :
MSVOA_D
ClientSampleId :
WC-5

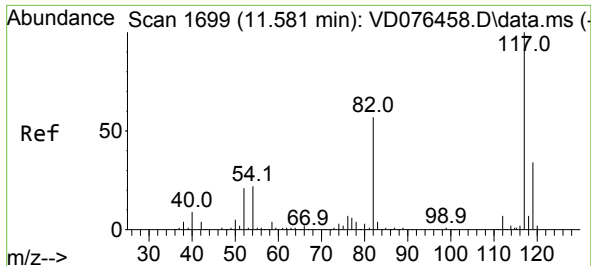
Tgt Ion: 98 Resp: 360526
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.654 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

Tgt Ion: 95 Resp: 107888
Ion Ratio Lower Upper
95 100
174 90.2 0.0 201.8
176 87.3 0.0 191.8

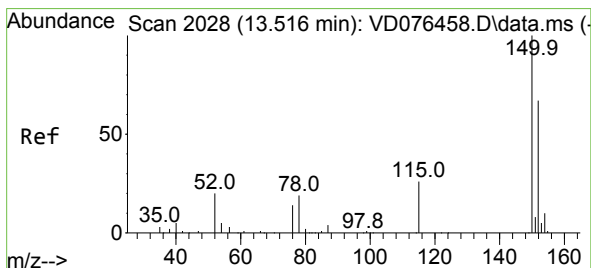
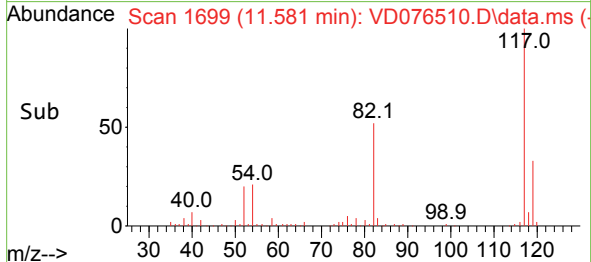
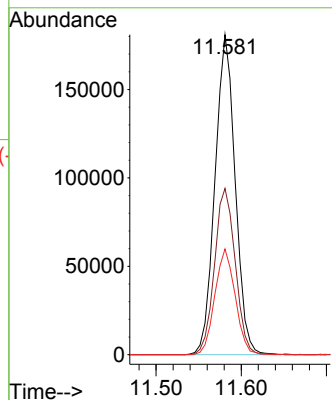
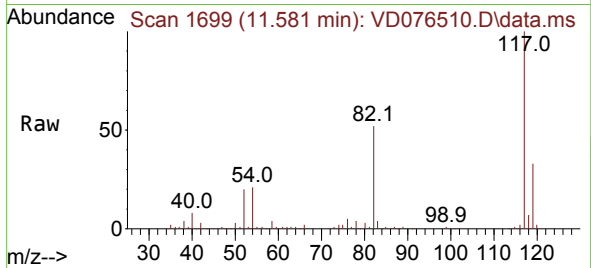




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

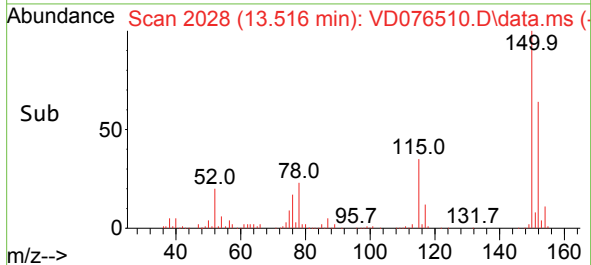
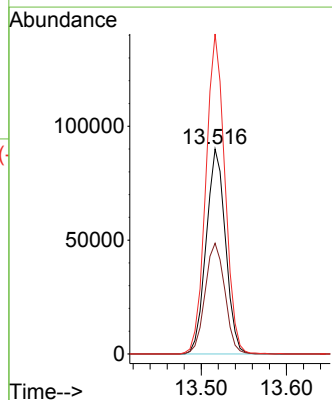
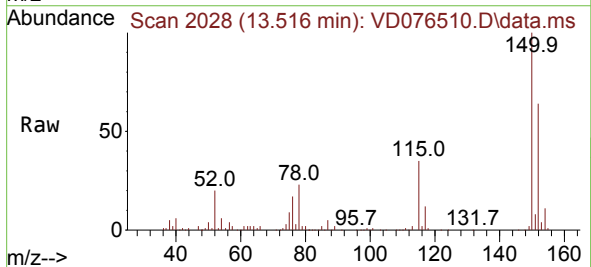
Instrument :
MSVOA_D
ClientSampleId :
WC-5

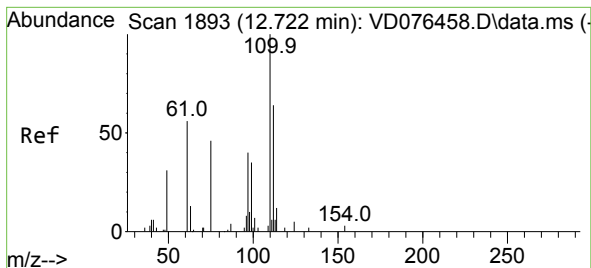
Tgt Ion:117 Resp: 298752
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 33.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076510.D
Acq: 21 Jun 2023 13:52

Tgt Ion:152 Resp: 141816
Ion Ratio Lower Upper
152 100
115 55.2 27.1 81.3
150 153.8 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 41.824 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD076510.D

Acq: 21 Jun 2023 13:52

Instrument :

MSVOA_D

ClientSampleId :

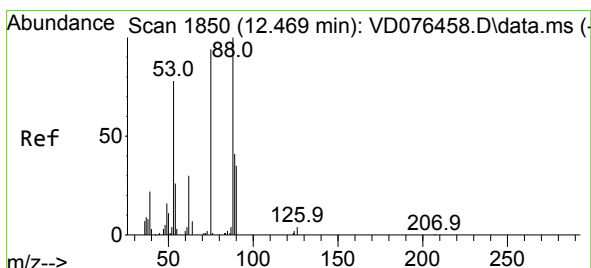
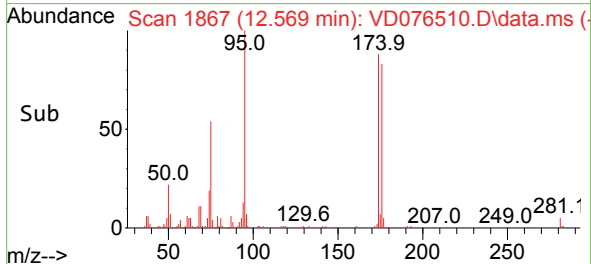
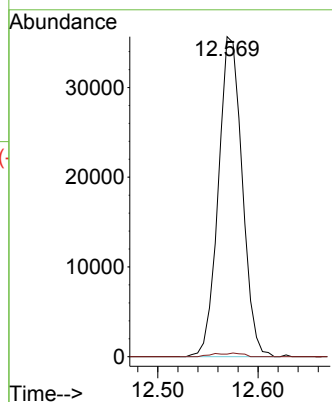
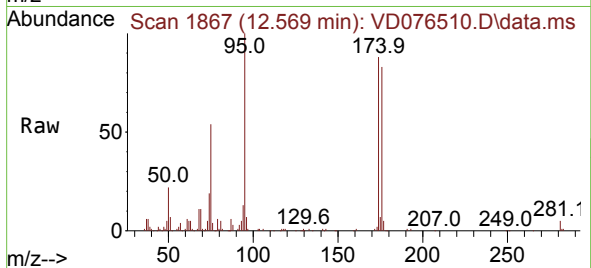
WC-5

Tgt Ion: 75 Resp: 58867

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.646 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.100 min

Lab File: VD076510.D

Acq: 21 Jun 2023 13:52

Tgt Ion: 75 Resp: 58867

Ion Ratio Lower Upper

75 100

53 0.1 63.0 94.4#

89 0.0 37.9 56.9#

