

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076858.D
 Acq On : 28 Jul 2023 16:51
 Operator : KP/SY
 Sample : 03810-05
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P7A

Quant Time: Jul 28 23:05:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

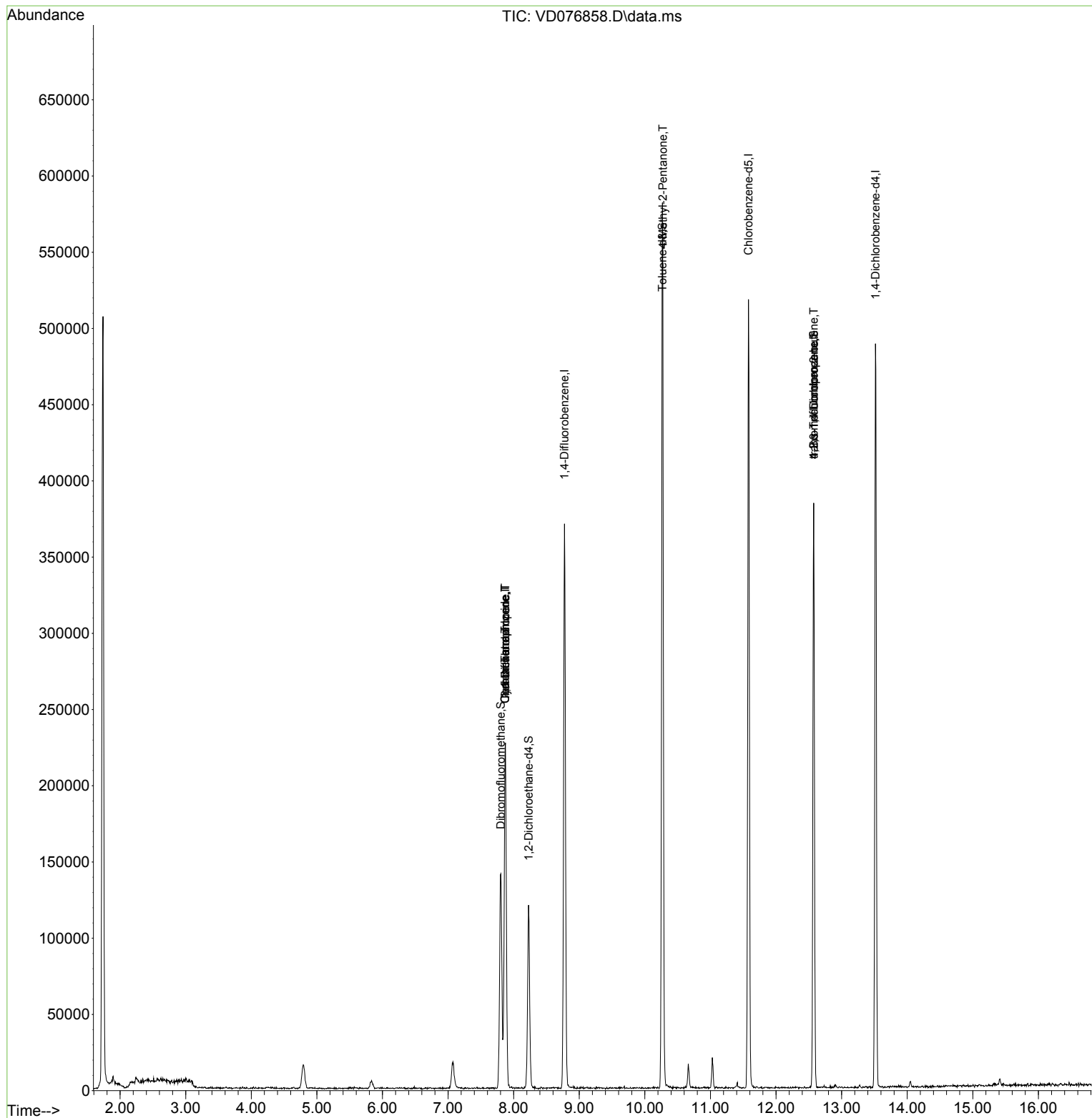
Internal Standards						
1) Pentafluorobenzene	7.875	168	172729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	336314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	309668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87296	50.741	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.480%
35) Dibromofluoromethane	7.804	113	103924	49.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.340%
50) Toluene-d8	10.269	98	412955	54.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.240%
62) 4-Bromofluorobenzene	12.574	95	114406	46.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.560%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	13608	Below Cal	#	80
31) Cyclohexane	7.869	56	3730	1.473	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	14355	5.198	ug/l #	48
38) Carbon Tetrachloride	7.869	117	17918	6.776	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	1827	1.424	ug/l #	1
76) 1,2,3-Trichloropropane	12.574	75	62306	49.173	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.574	75	62306	104.652	ug/l #	17

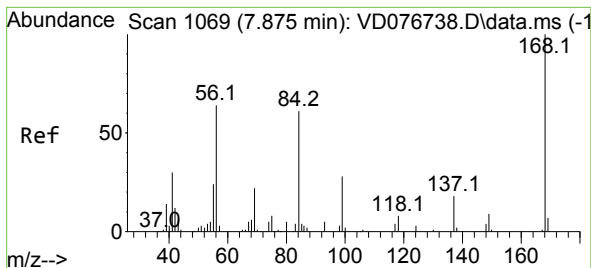
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

Instrument :

MSVOA_D

ClientSampleId :

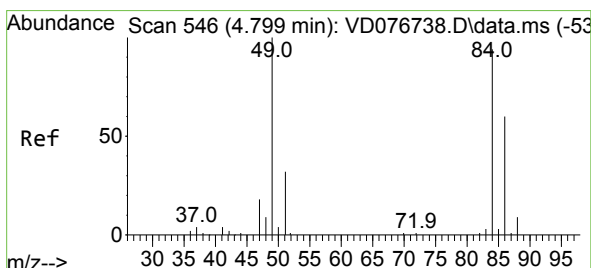
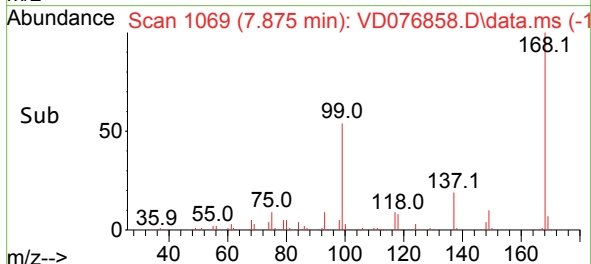
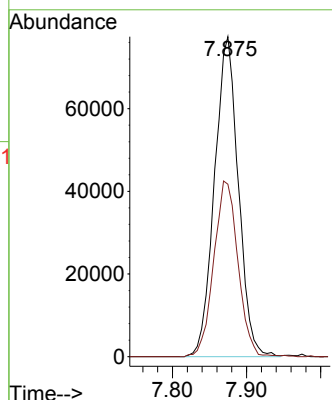
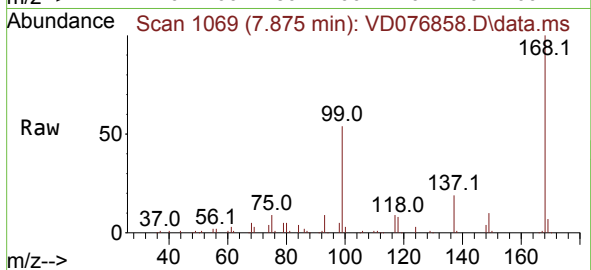
B-P7A

Tgt Ion:168 Resp: 172729

Ion Ratio Lower Upper

168 100

99 53.9 36.7 55.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

Tgt Ion: 84 Resp: 13608

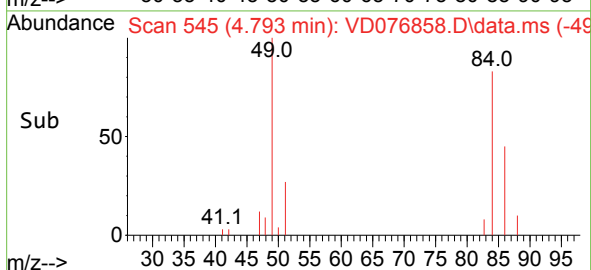
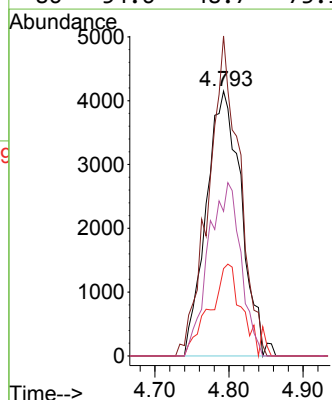
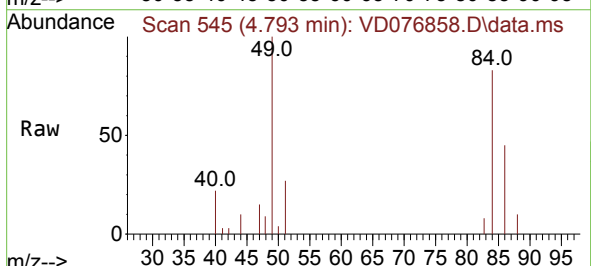
Ion Ratio Lower Upper

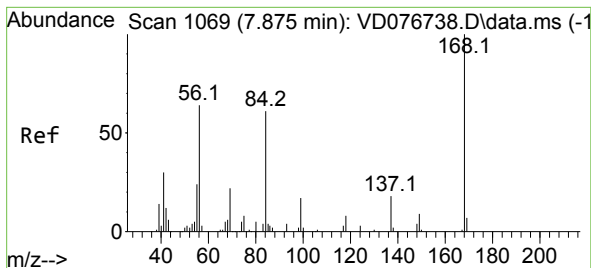
84 100

49 120.8 71.4 107.2#

51 33.0 24.5 36.7

86 54.6 48.7 73.1





#31

Cyclohexane

Concen: 1.473 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

Instrument :

MSVOA_D

ClientSampleId :

B-P7A

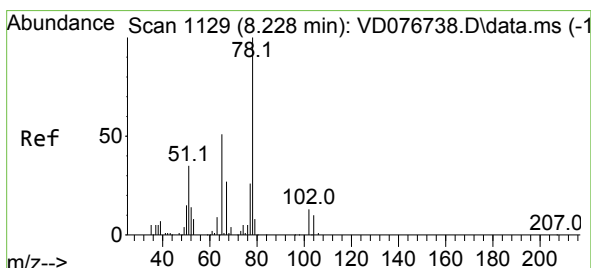
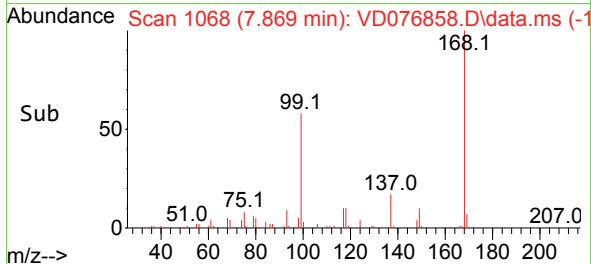
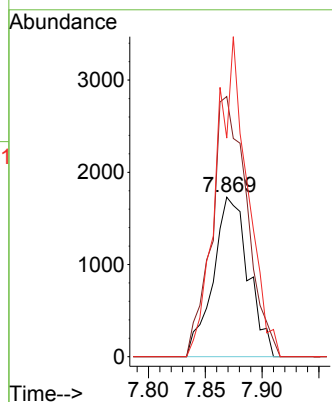
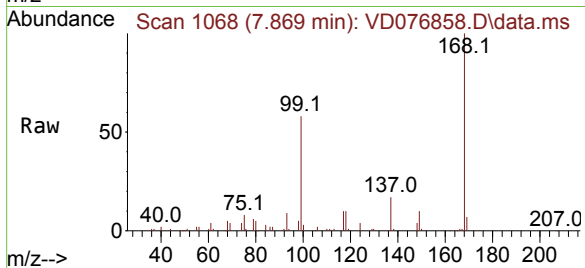
Tgt Ion: 56 Resp: 3730

Ion Ratio Lower Upper

56 100

69 163.0 28.6 43.0#

84 136.9 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 50.741 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076858.D

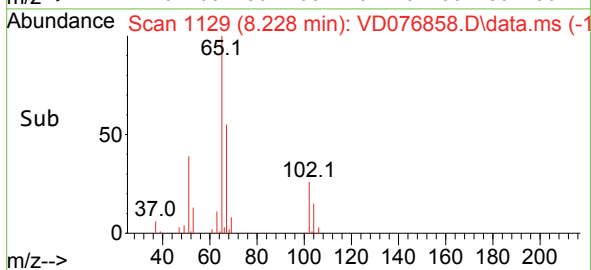
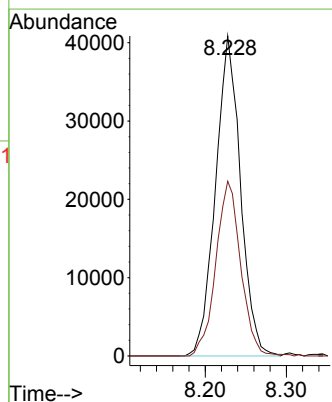
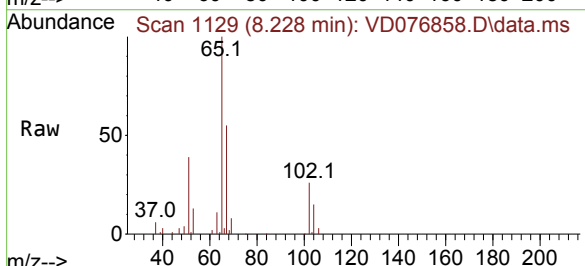
Acq: 28 Jul 2023 16:51

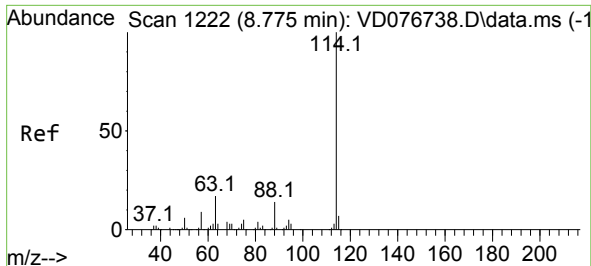
Tgt Ion: 65 Resp: 87296

Ion Ratio Lower Upper

65 100

67 54.5 0.0 115.0

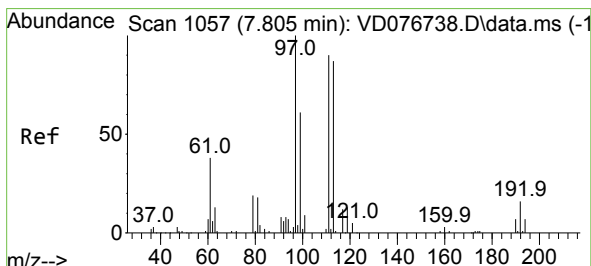
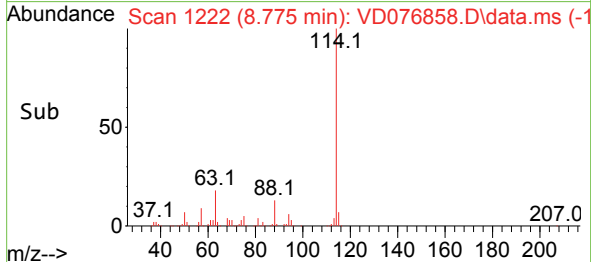
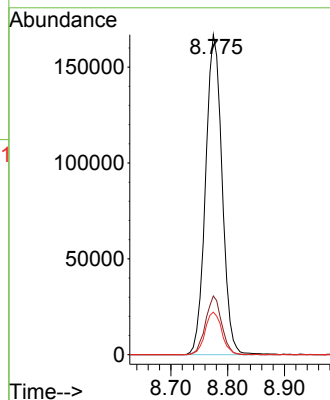
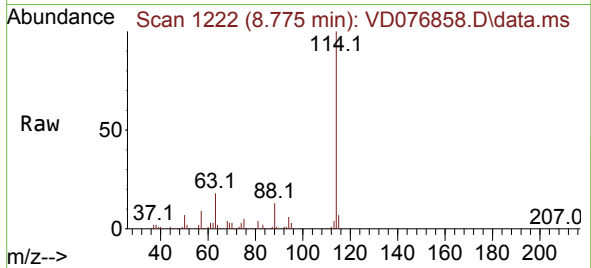




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076858.D
Acq: 28 Jul 2023 16:51

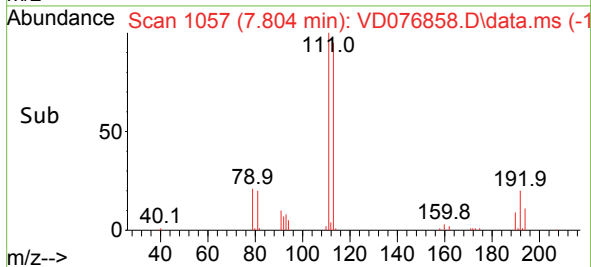
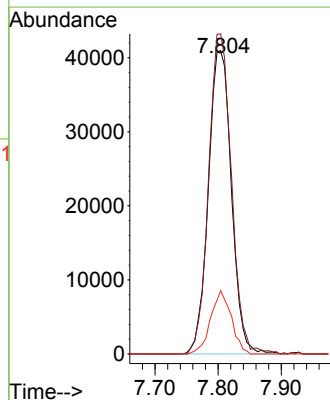
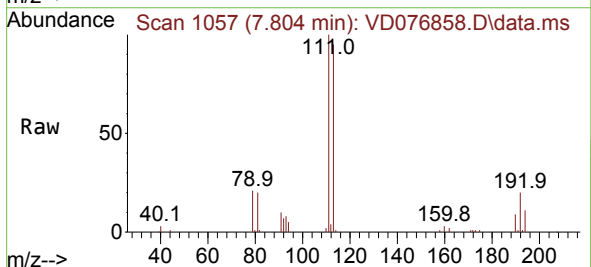
Instrument :
MSVOA_D
ClientSampleId :
B-P7A

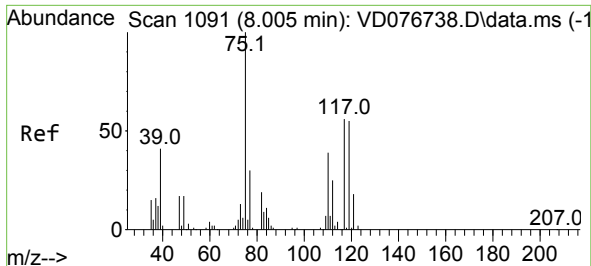
Tgt Ion:114 Resp: 336314
Ion Ratio Lower Upper
114 100
63 18.4 0.0 33.4
88 13.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076858.D
Acq: 28 Jul 2023 16:51

Tgt Ion:113 Resp: 103924
Ion Ratio Lower Upper
113 100
111 104.2 84.7 127.1
192 18.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.198 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

Instrument :

MSVOA_D

ClientSampleId :

B-P7A

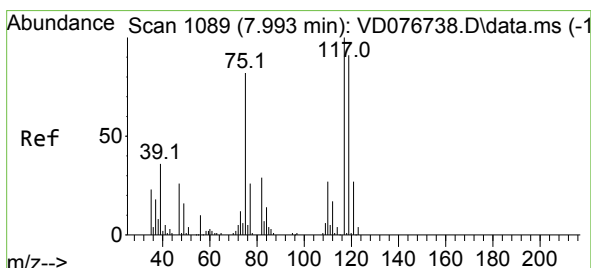
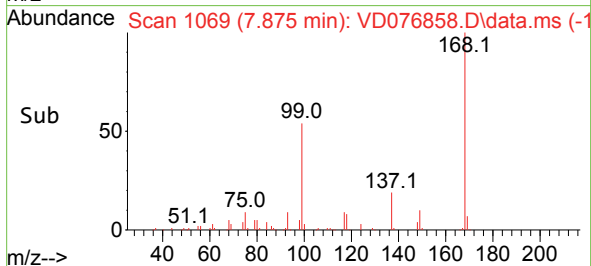
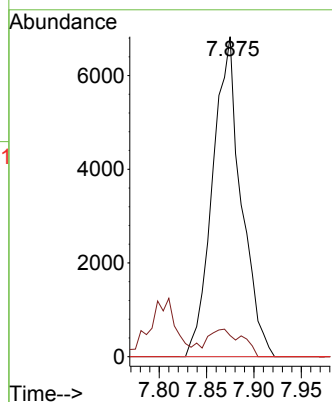
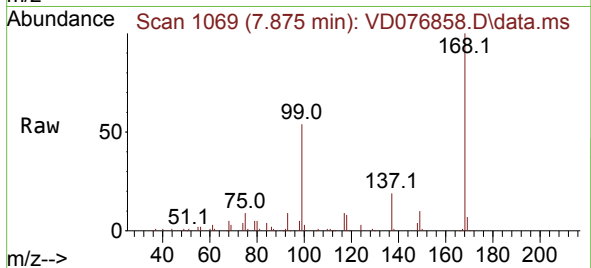
Tgt Ion: 75 Resp: 14355

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.776 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

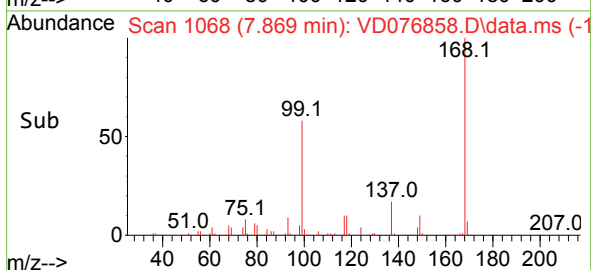
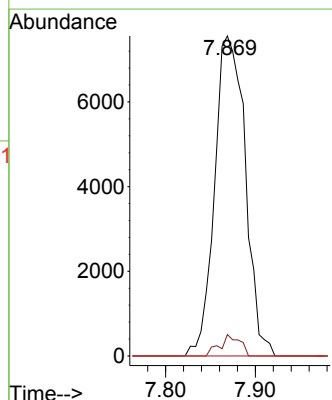
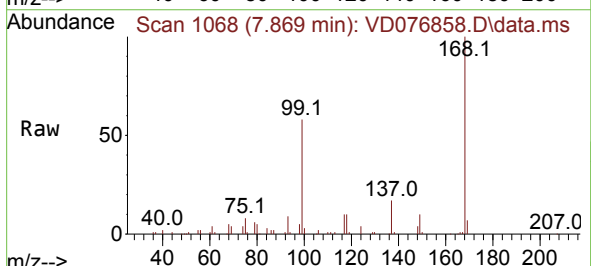
Tgt Ion: 117 Resp: 17918

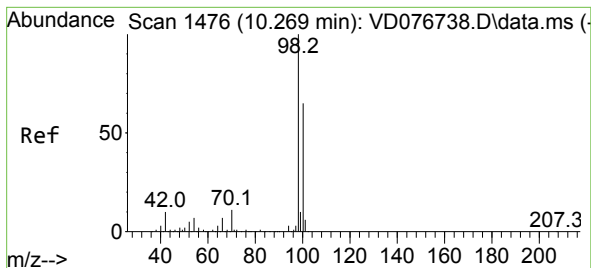
Ion Ratio Lower Upper

117 100

119 6.7 78.0 117.0#

121 0.0 24.2 36.2#

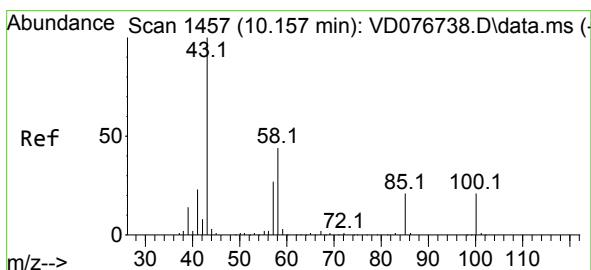
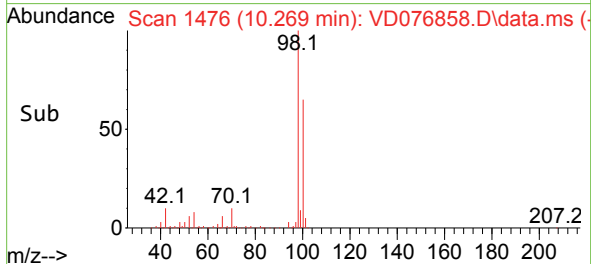
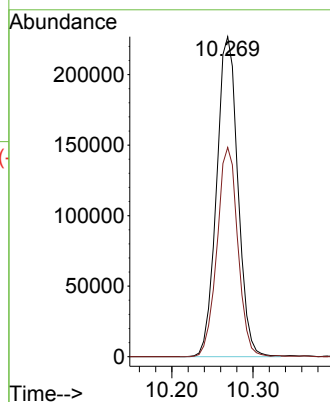
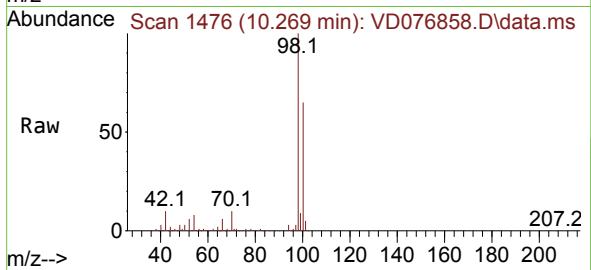




#50
Toluene-d8
Concen: 54.620 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076858.D
Acq: 28 Jul 2023 16:51

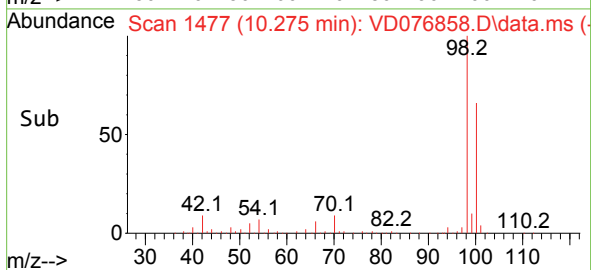
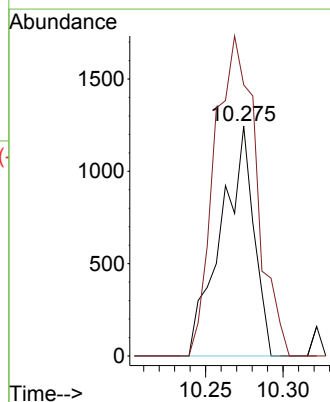
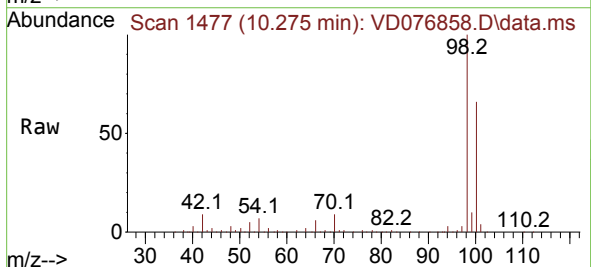
Instrument :
MSVOA_D
ClientSampleId :
B-P7A

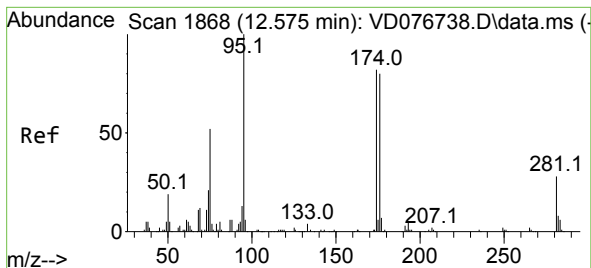
Tgt Ion: 98 Resp: 412955
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.424 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD076858.D
Acq: 28 Jul 2023 16:51

Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 177.1 38.9 58.3#

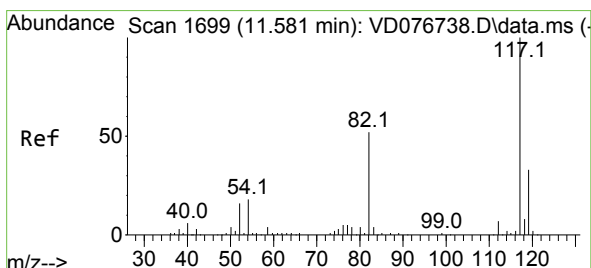
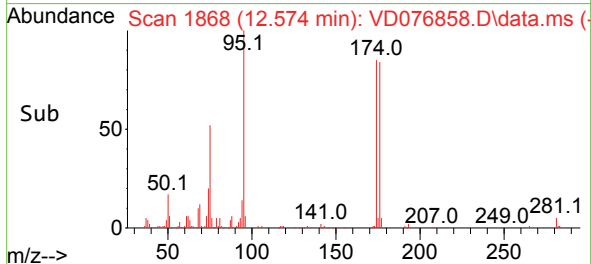
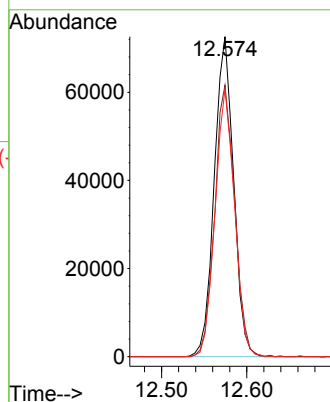
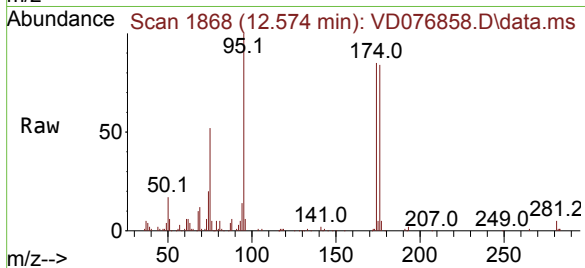




#62
4-Bromofluorobenzene
Concen: 46.776 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD076858.D
Acq: 28 Jul 2023 16:51

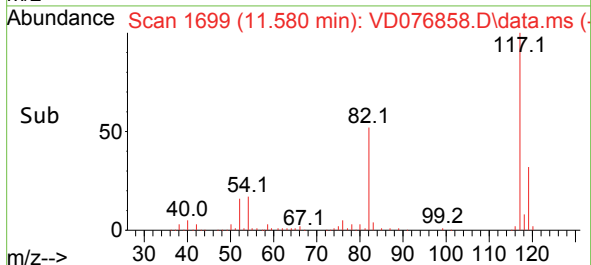
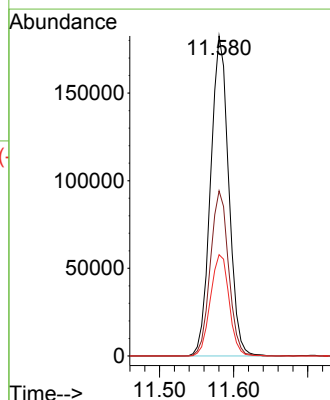
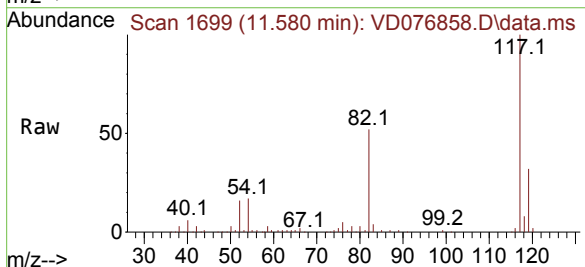
Instrument :
MSVOA_D
ClientSampleId :
B-P7A

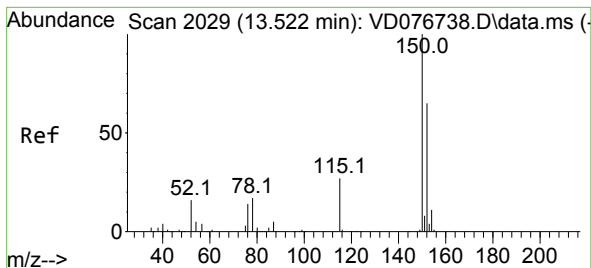
Tgt Ion: 95 Resp: 114406
Ion Ratio Lower Upper
95 100
174 87.9 0.0 201.8
176 83.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076858.D
Acq: 28 Jul 2023 16:51

Tgt Ion: 117 Resp: 309668
Ion Ratio Lower Upper
117 100
82 51.6 38.3 57.5
119 31.7 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076858.D

Acq: 28 Jul 2023 16:51

Instrument :

MSVOA_D

ClientSampleId :

B-P7A

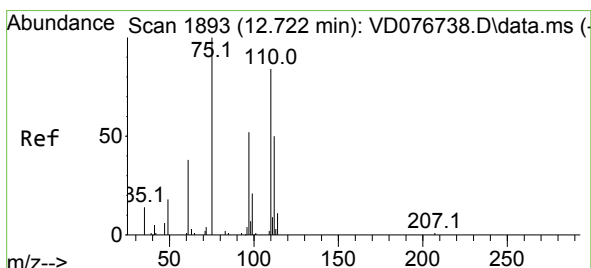
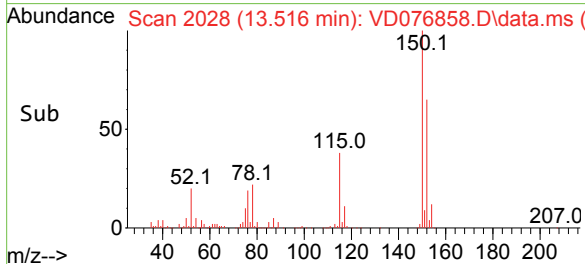
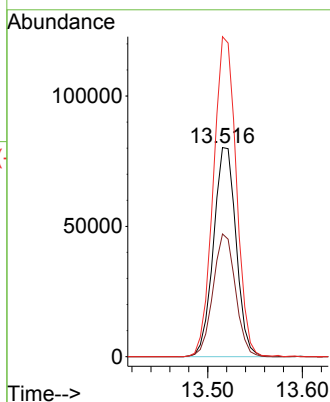
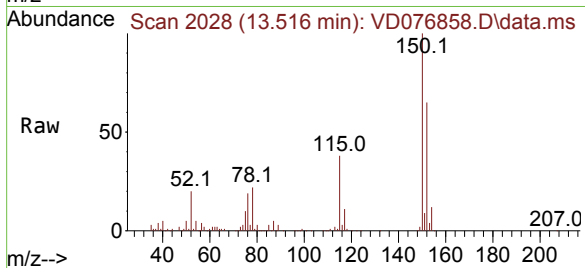
Tgt Ion:152 Resp: 133239

Ion Ratio Lower Upper

152 100

115 58.2 27.1 81.3

150 155.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.173 ug/l

RT: 12.574 min Scan# 1868

Delta R.T. -0.148 min

Lab File: VD076858.D

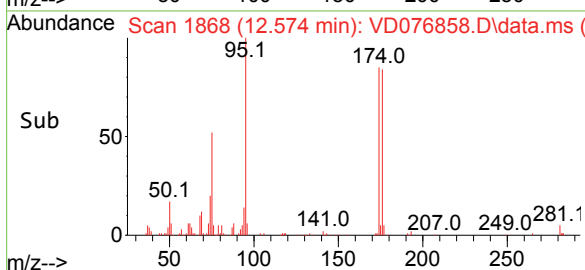
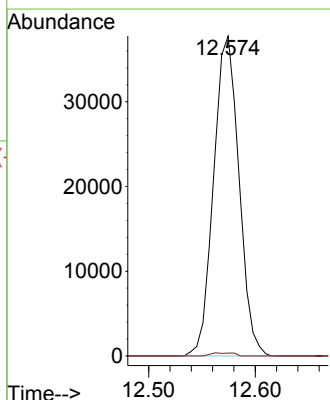
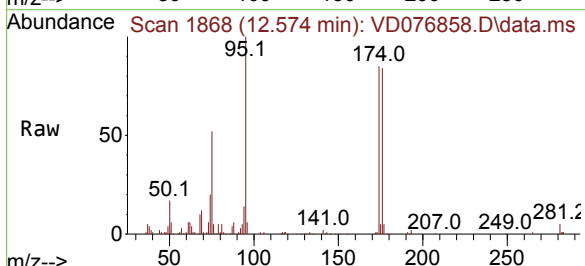
Acq: 28 Jul 2023 16:51

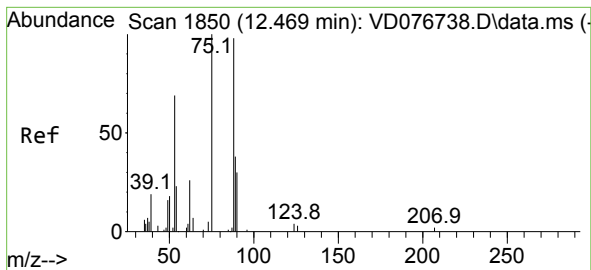
Tgt Ion: 75 Resp: 62306

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.652 ug/l
 RT: 12.574 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VD076858.D
 Acq: 28 Jul 2023 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P7A

Tgt Ion:	75	Resp:	62306
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

