

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076856.D
 Acq On : 28 Jul 2023 15:53
 Operator : KP/SY
 Sample : 03810-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P16A

Quant Time: Jul 28 23:05:16 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)

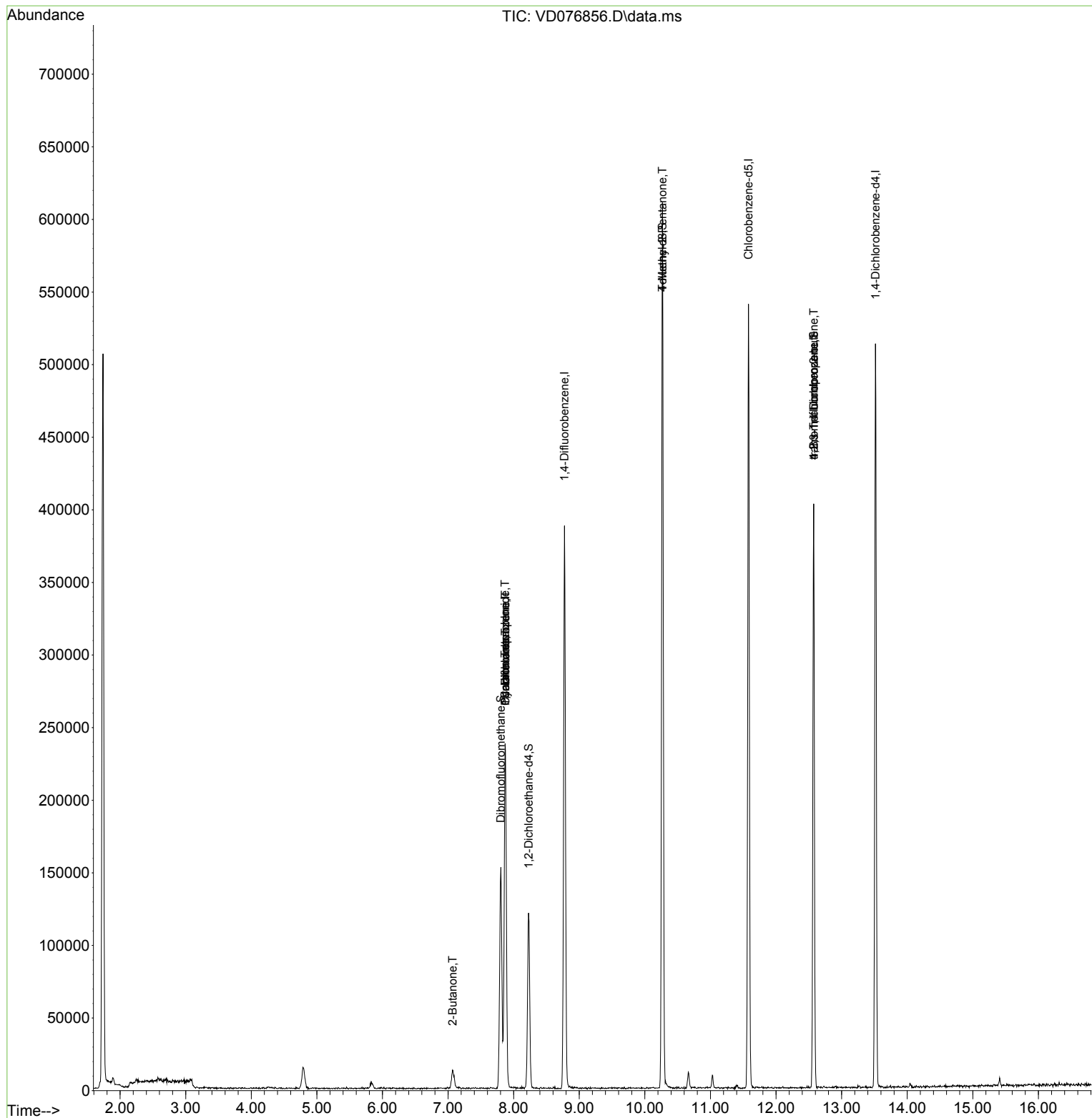
Internal Standards						
1) Pentafluorobenzene	7.875	168	185788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	349366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93406	50.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.804	113	109977	50.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.180%			
50) Toluene-d8	10.269	98	423916	53.975	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.575	95	119554	47.055	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.100%			
Target Compounds						Qvalue
20) Methylene Chloride	4.799	84	11585	Below Cal		93
25) 2-Butanone	7.069	43	592	1.001 ug/l #		37
31) Cyclohexane	7.875	56	3629	1.333 ug/l #		11
36) 1,1-Dichloropropene	7.875	75	15488	5.399 ug/l #		46
38) Carbon Tetrachloride	7.869	117	19305	7.028 ug/l #		17
51) 4-Methyl-2-Pentanone	10.269	43	1908	1.431 ug/l #		1
76) 1,2,3-Trichloropropane	12.575	75	62895	47.960 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.575	75	62895	102.071 ug/l #		17

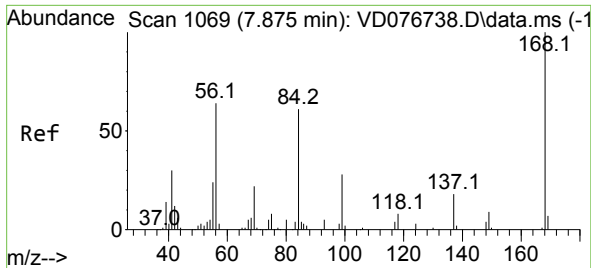
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
B-P16A

Quant Time: Jul 28 23:05:16 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

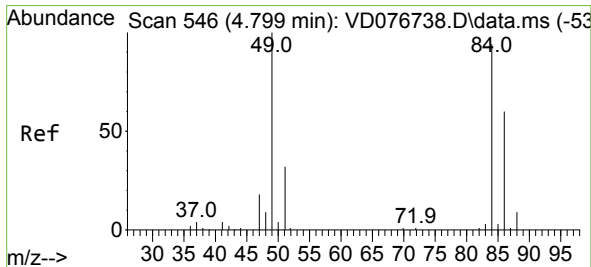
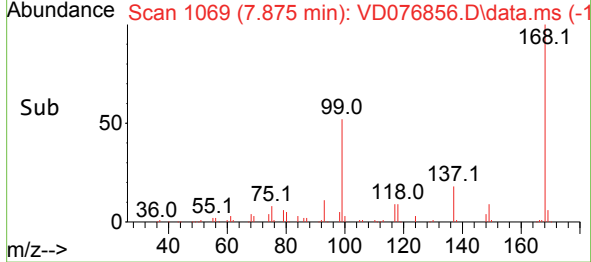
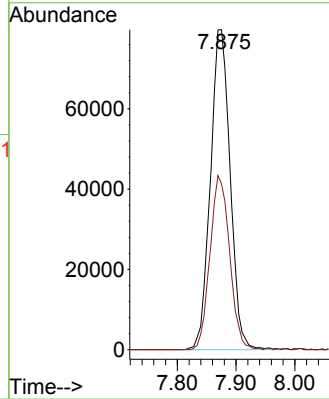
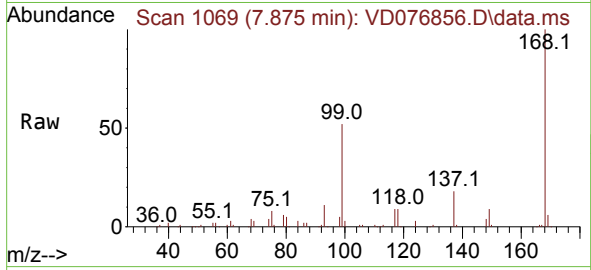




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

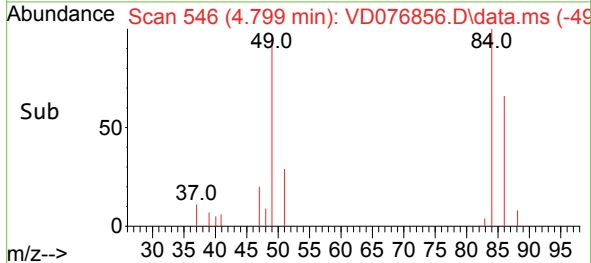
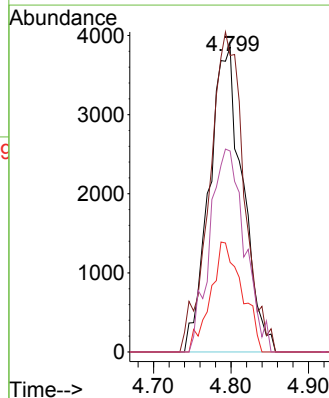
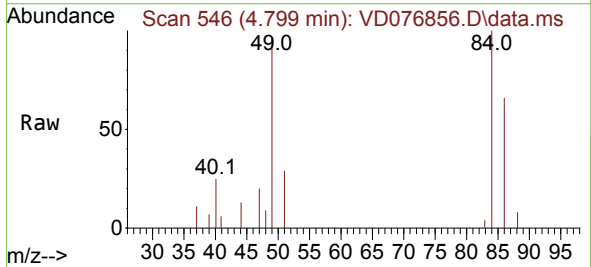
Instrument :
MSVOA_D
ClientSampleId :
B-P16A

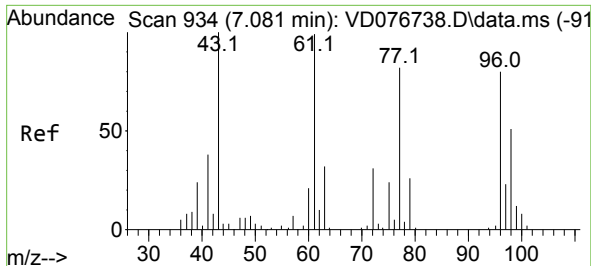
Tgt Ion:168 Resp: 185788
Ion Ratio Lower Upper
168 100
99 51.8 36.7 55.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

Tgt Ion: 84 Resp: 11585
Ion Ratio Lower Upper
84 100
49 97.2 71.4 107.2
51 29.4 24.5 36.7
86 65.9 48.7 73.1





#25

2-Butanone

Concen: 1.001 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD076856.D

Acq: 28 Jul 2023 15:53

Instrument :

MSVOA_D

ClientSampleId :

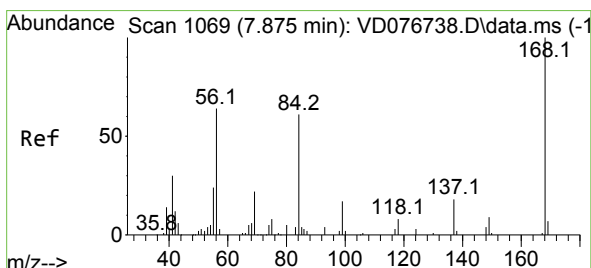
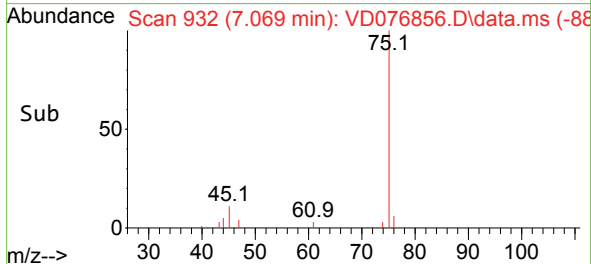
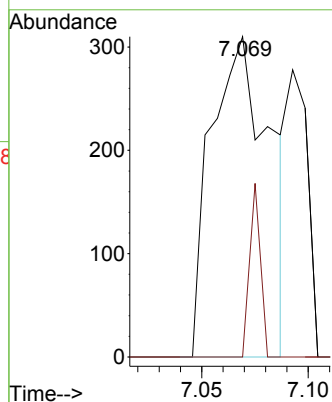
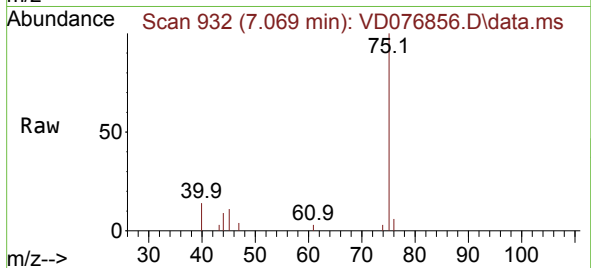
B-P16A

Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.333 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076856.D

Acq: 28 Jul 2023 15:53

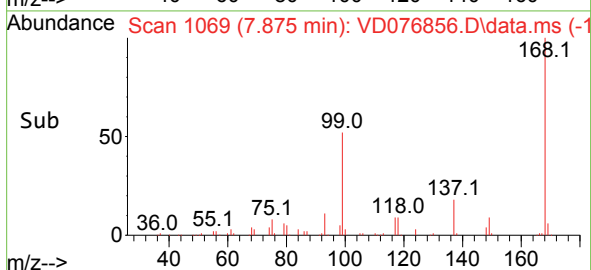
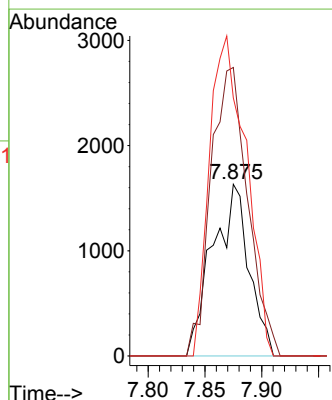
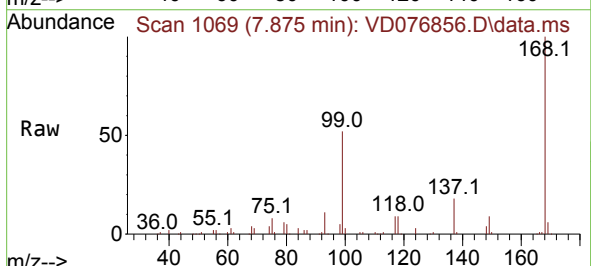
Tgt Ion: 56 Resp: 3629

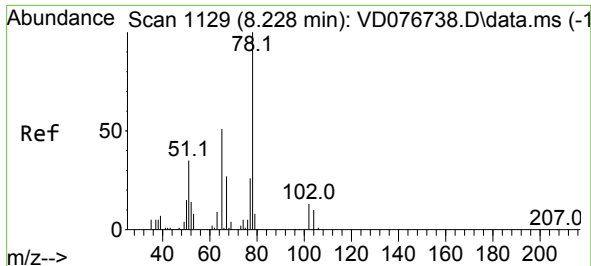
Ion Ratio Lower Upper

56 100

69 168.0 28.6 43.0#

84 150.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 50.476 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076856.D

Acq: 28 Jul 2023 15:53

Instrument :

MSVOA_D

ClientSampleId :

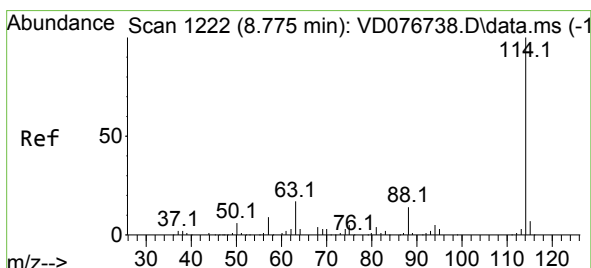
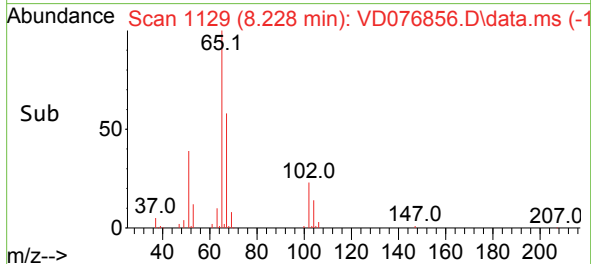
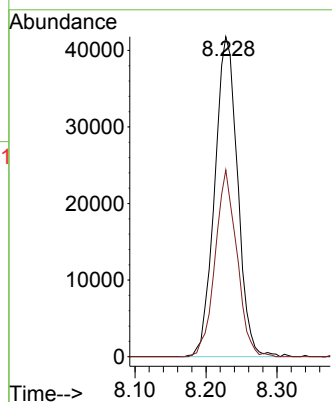
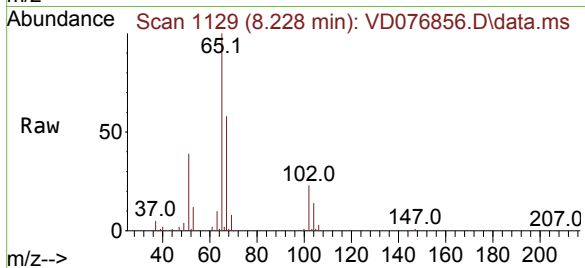
B-P16A

Tgt Ion: 65 Resp: 93406

Ion Ratio Lower Upper

65 100

67 55.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076856.D

Acq: 28 Jul 2023 15:53

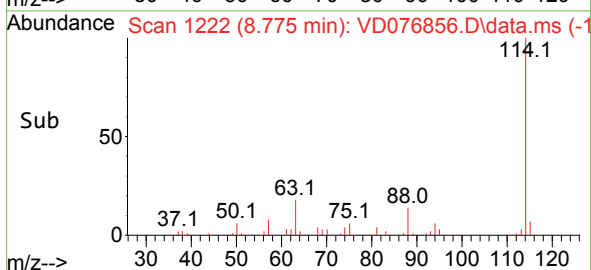
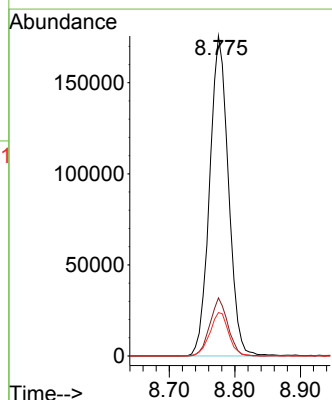
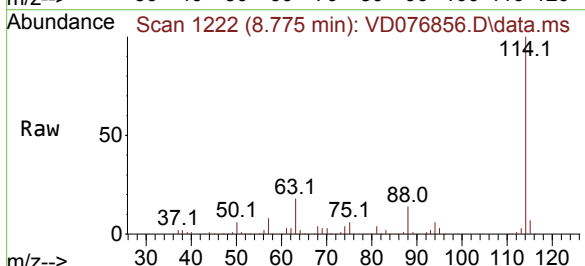
Tgt Ion: 114 Resp: 349366

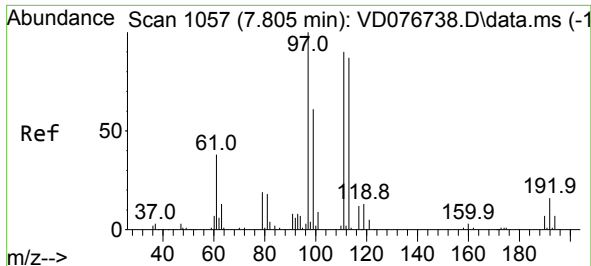
Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 13.5 0.0 26.2

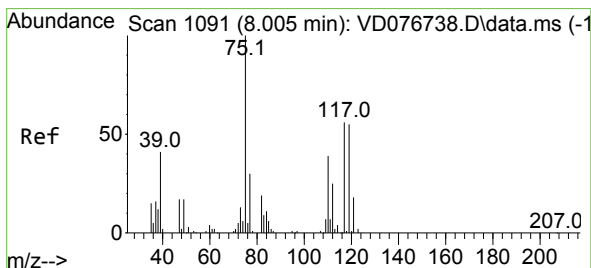
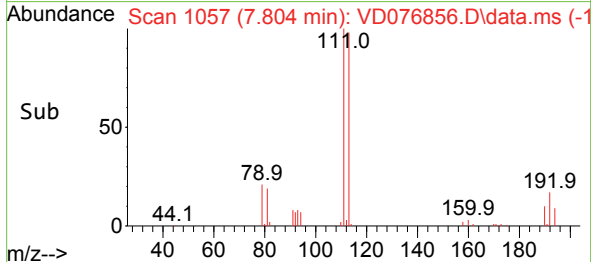
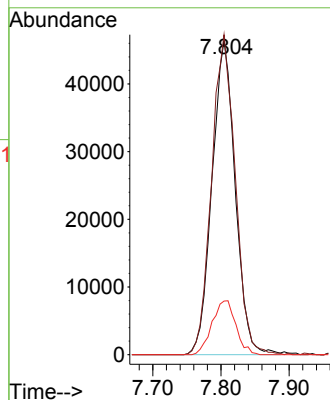
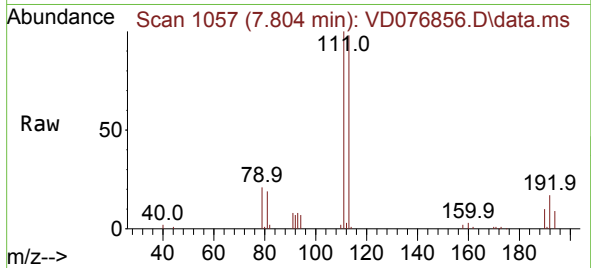




#35
Dibromofluoromethane
Concen: 50.093 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

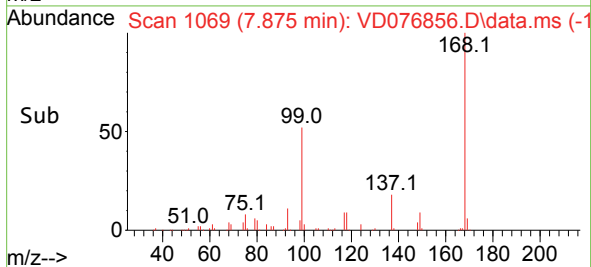
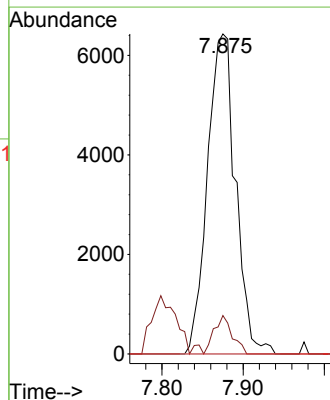
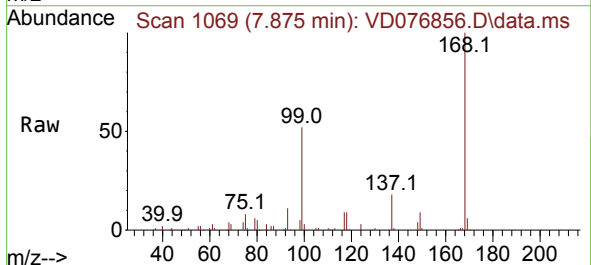
Instrument :
MSVOA_D
ClientSampleId :
B-P16A

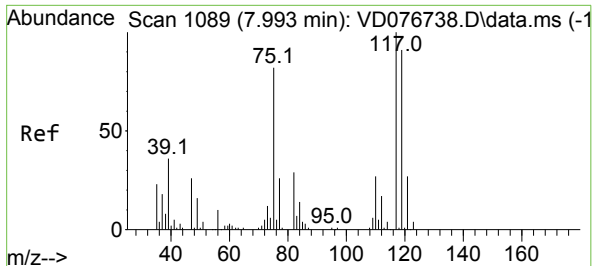
Tgt Ion:113 Resp: 109977
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 17.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.399 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

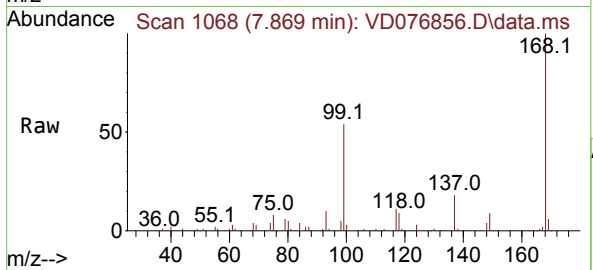
Tgt Ion: 75 Resp: 15488
Ion Ratio Lower Upper
75 100
110 7.7 19.9 59.6#
77 0.0 24.7 37.1#



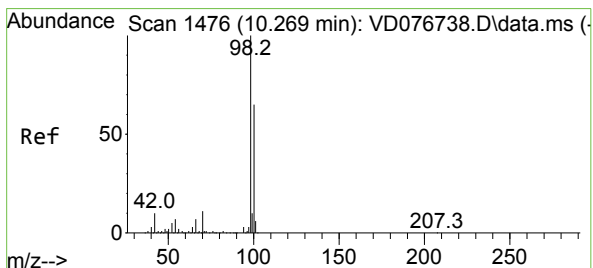
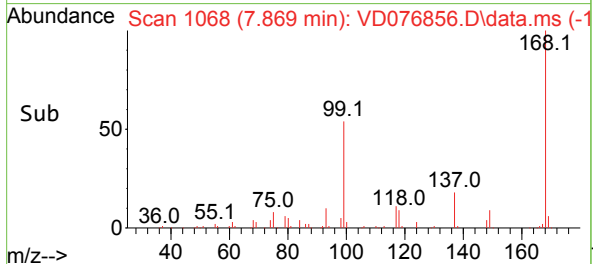
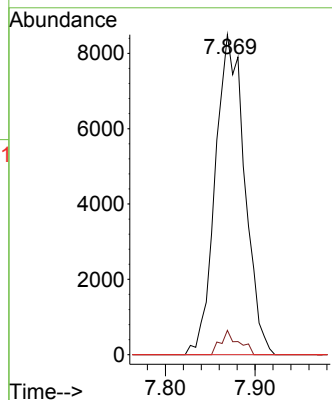


#38
Carbon Tetrachloride
Concen: 7.028 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

Instrument :
MSVOA_D
ClientSampleId :
B-P16A

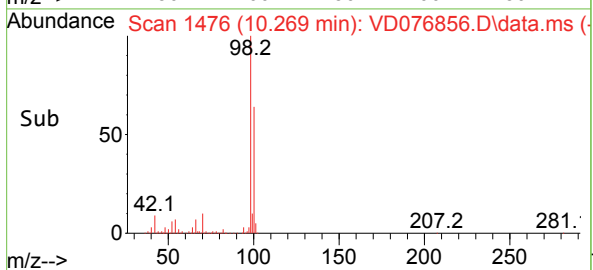
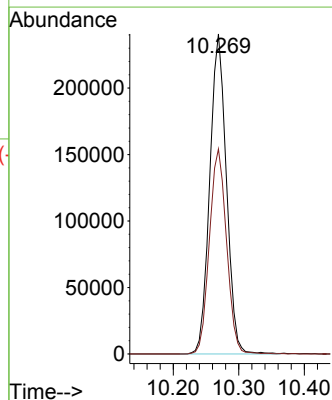
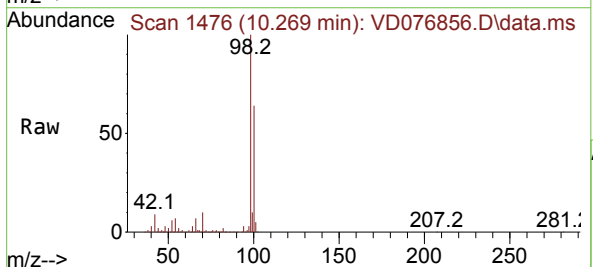


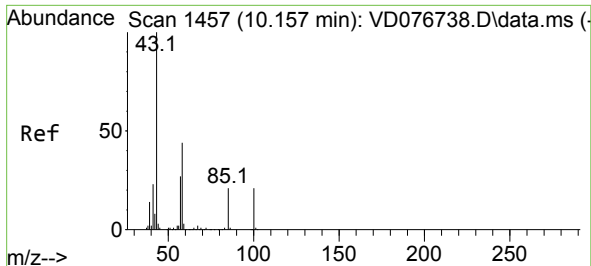
Tgt Ion:117 Resp: 19305
Ion Ratio Lower Upper
117 100
119 7.6 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 53.975 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

Tgt Ion: 98 Resp: 423916
Ion Ratio Lower Upper
98 100
100 66.0 50.3 75.5

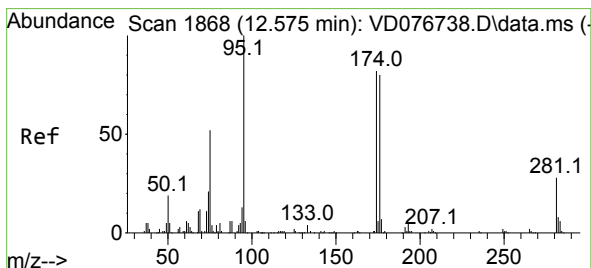
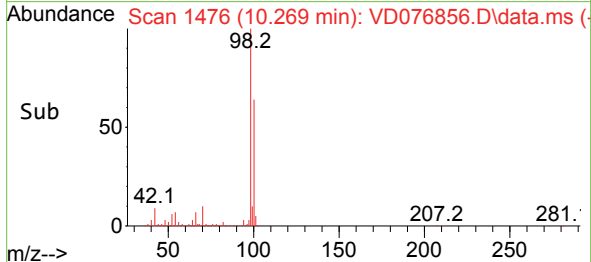
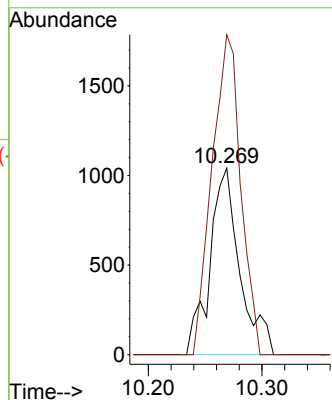
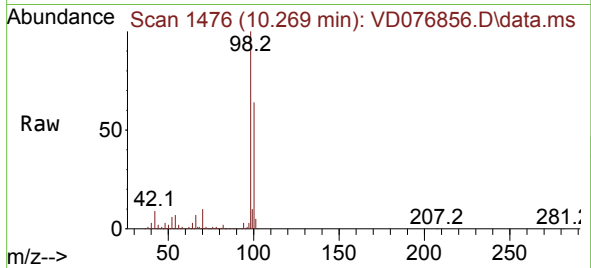




#51
4-Methyl-2-Pentanone
Concen: 1.431 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

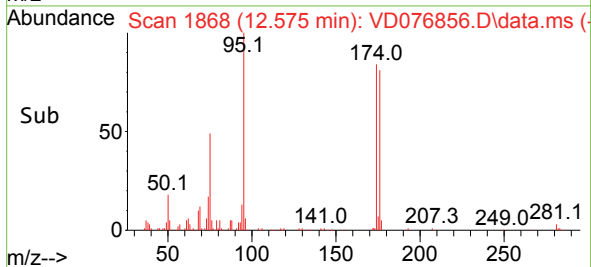
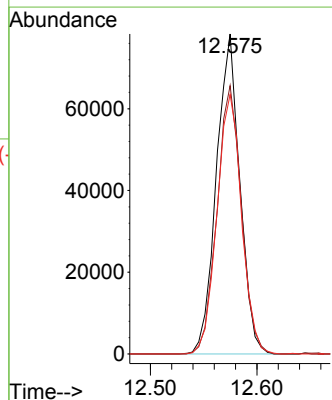
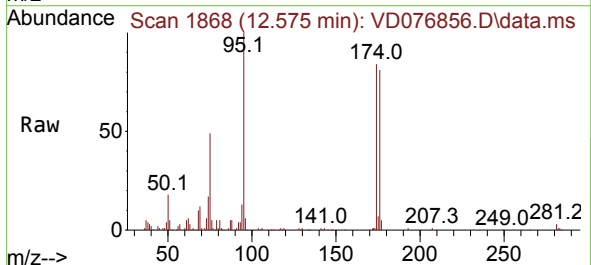
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MSVOA_D
ClientSampleId :
B-P16A

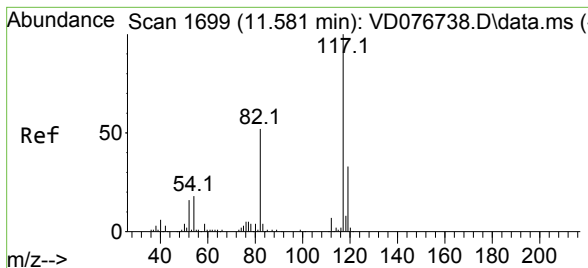
Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 164.8 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 47.055 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

Tgt Ion: 95 Resp: 119554
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 85.1 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: VD076856.D

Acq: 28 Jul 2023 15:53

Instrument :

MSVOA_D

ClientSampleId :

B-P16A

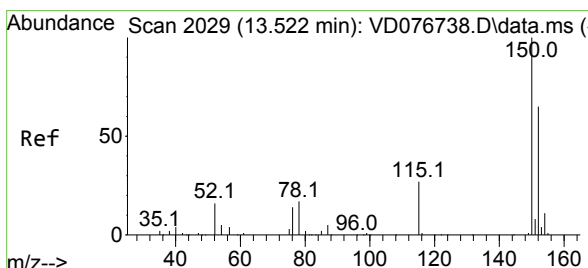
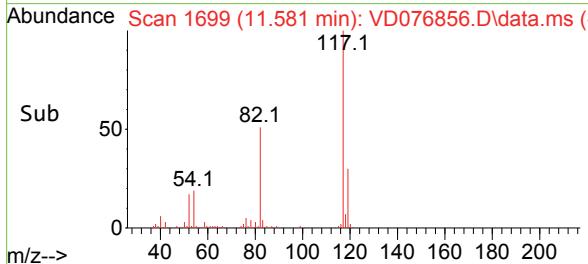
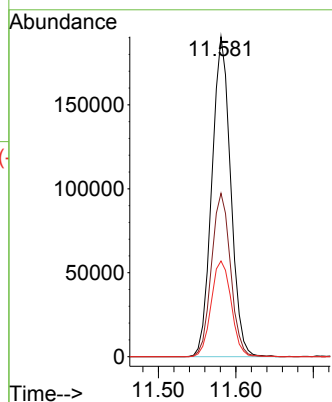
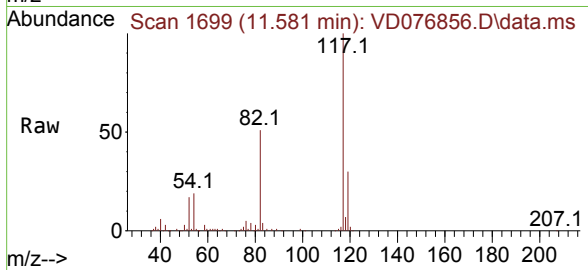
Tgt Ion:117 Resp: 321181

Ion Ratio Lower Upper

117 100

82 51.0 38.3 57.5

119 29.9 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076856.D

Acq: 28 Jul 2023 15:53

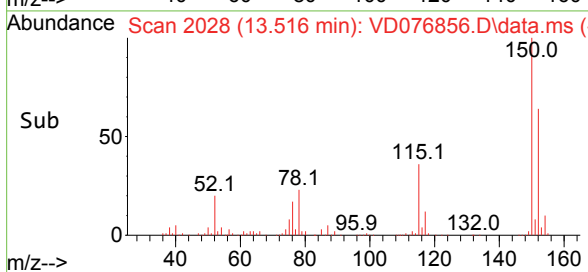
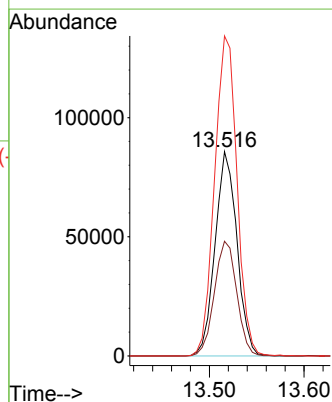
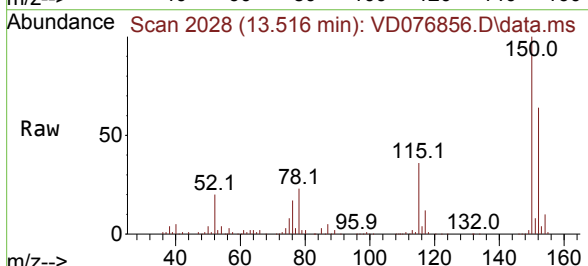
Tgt Ion:152 Resp: 137900

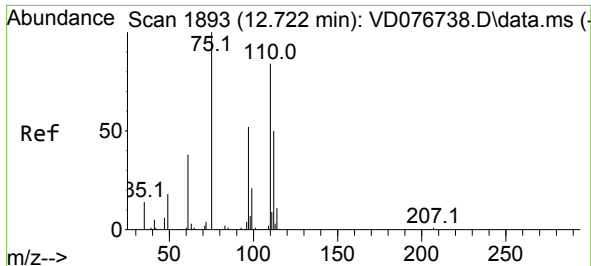
Ion Ratio Lower Upper

152 100

115 57.4 27.1 81.3

150 160.3 0.0 353.6

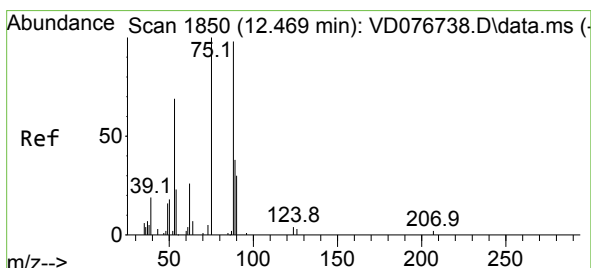
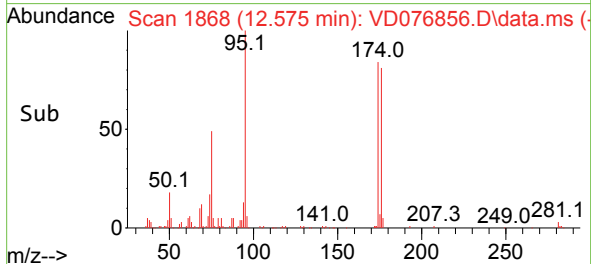
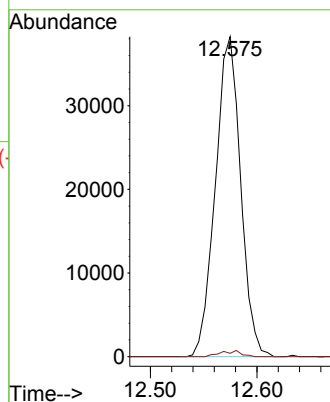
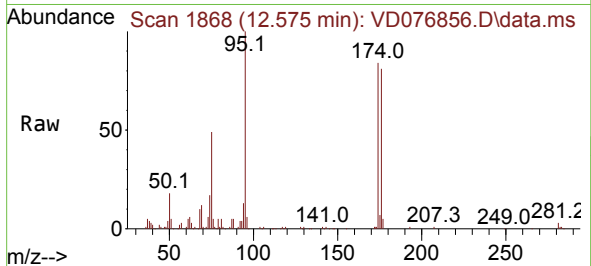




#76
1,2,3-Trichloropropane
Concen: 47.960 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

Instrument :
MSVOA_D
ClientSampleId :
B-P16A

Tgt Ion: 75 Resp: 62895
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.071 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076856.D
Acq: 28 Jul 2023 15:53

Tgt Ion: 75 Resp: 62895
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

