

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076859.D
 Acq On : 28 Jul 2023 17:20
 Operator : KP/SY
 Sample : 03810-06
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P7B

Quant Time: Jul 28 23:06:14 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)

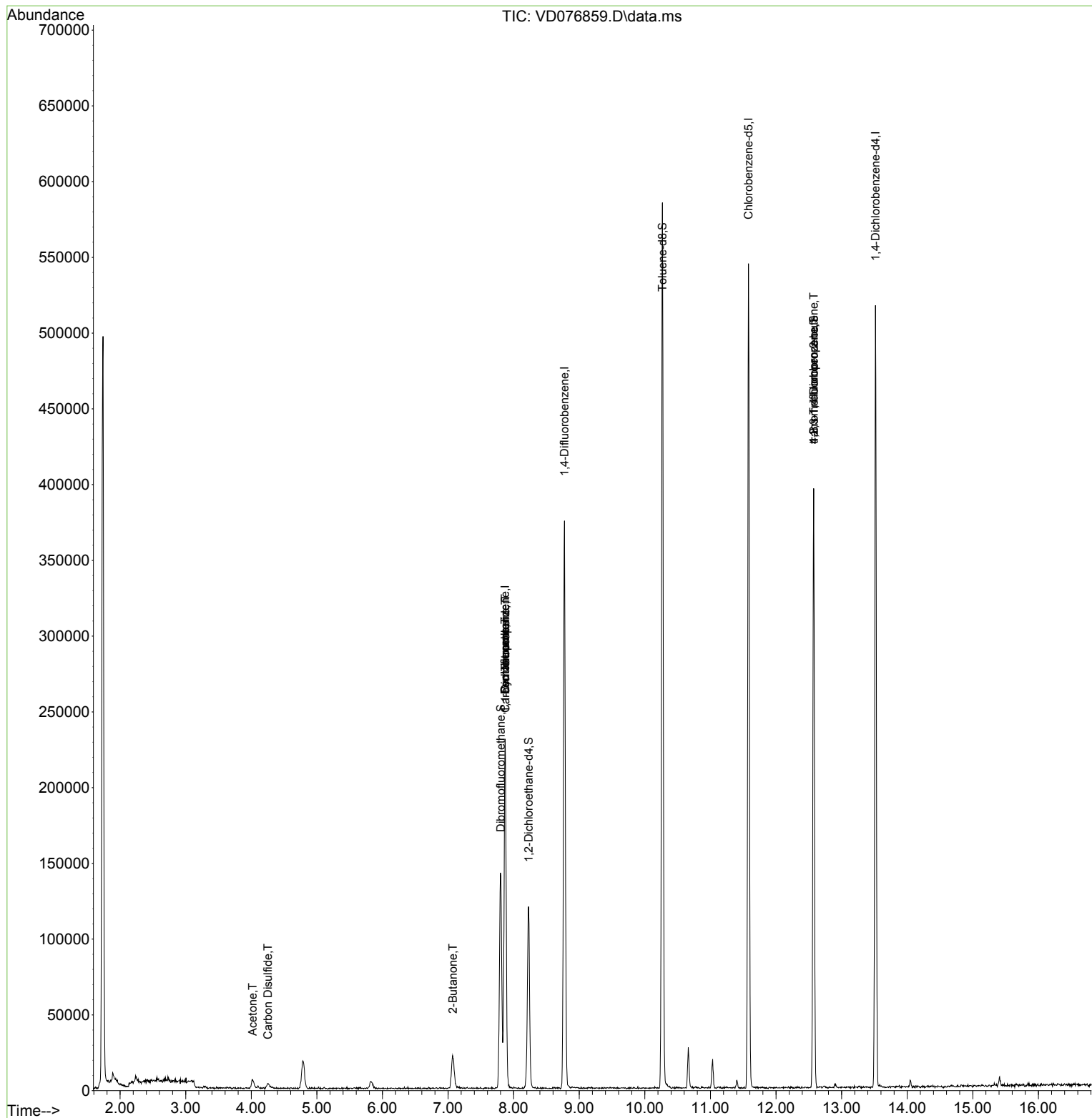
Internal Standards						
1) Pentafluorobenzene	7.869	168	172931	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	334955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91010	52.838	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.680%	
35) Dibromofluoromethane	7.805	113	106784	50.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.460%	
50) Toluene-d8	10.269	98	407978	54.181	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.360%	
62) 4-Bromofluorobenzene	12.575	95	114283	46.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.840%	
Target Compounds						Qvalue
16) Acetone	4.022	43	9477	23.038	ug/l	92
17) Carbon Disulfide	4.252	76	6139	1.538	ug/l #	83
20) Methylene Chloride	4.781	84	15211	Below Cal		93
25) 2-Butanone	7.075	43	1769	3.213	ug/l #	37
31) Cyclohexane	7.869	56	4109	1.621	ug/l #	2
36) 1,1-Dichloropropene	7.875	75	14782	5.374	ug/l #	46
38) Carbon Tetrachloride	7.875	117	17728	6.731	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	63254	50.079	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	63254	106.581	ug/l #	17

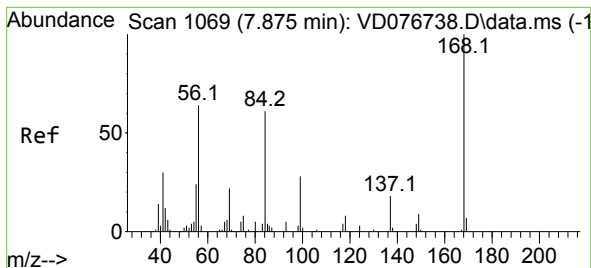
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

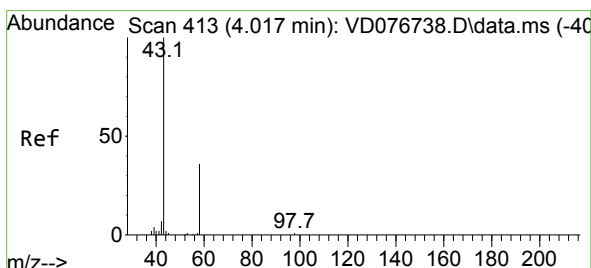
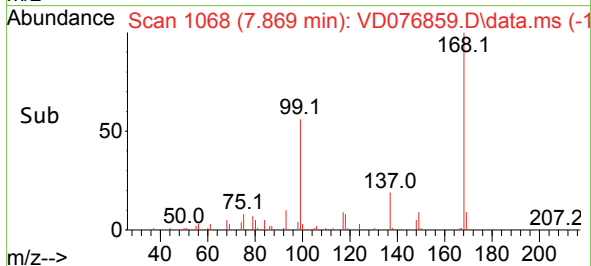
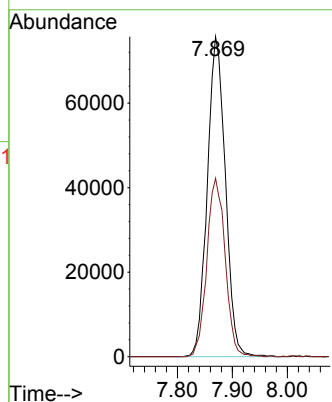
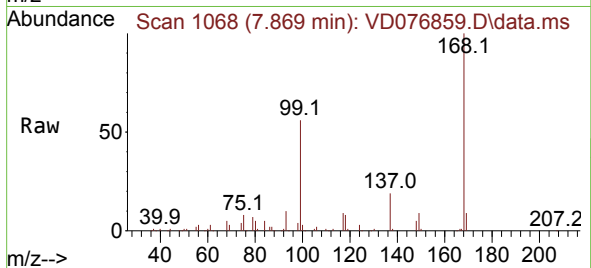
B-P7B

Tgt Ion:168 Resp: 172931

Ion Ratio Lower Upper

168 100

99 55.8 36.7 55.1#



#16

Acetone

Concen: 23.038 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD076859.D

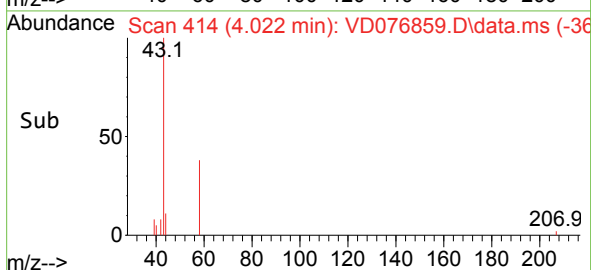
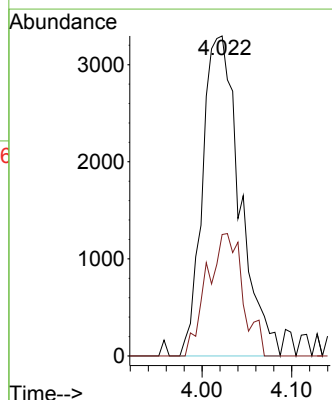
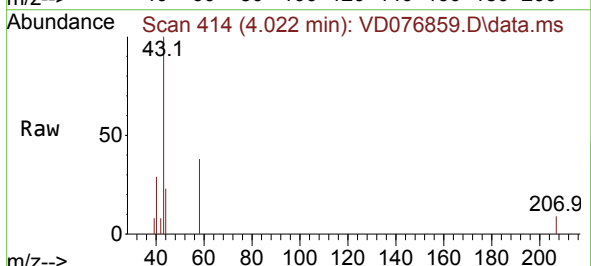
Acq: 28 Jul 2023 17:20

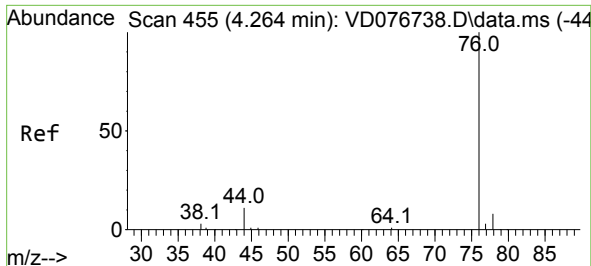
Tgt Ion: 43 Resp: 9477

Ion Ratio Lower Upper

43 100

58 38.0 34.7 52.1

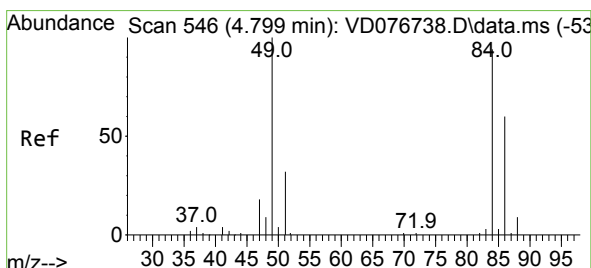
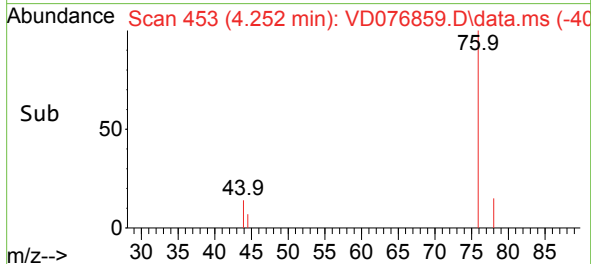
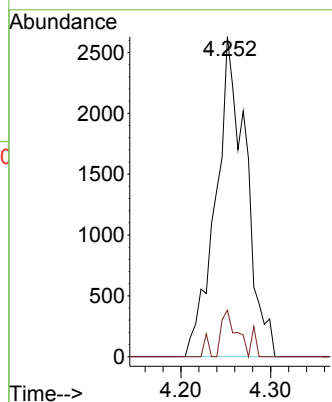
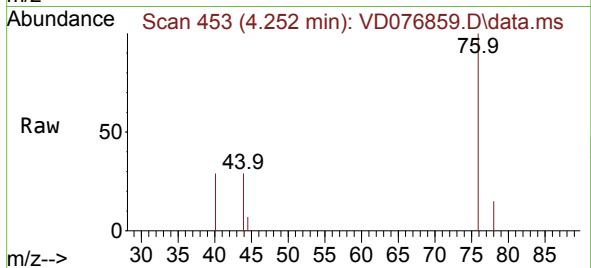




#17
Carbon Disulfide
Concen: 1.538 ug/l
RT: 4.252 min Scan# 411
Delta R.T. -0.012 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

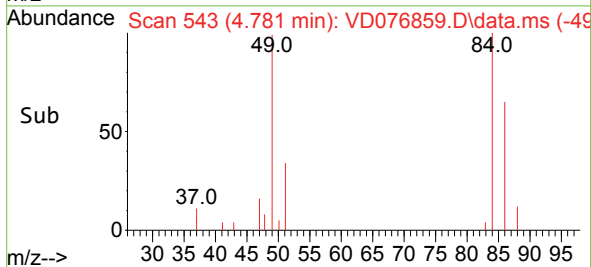
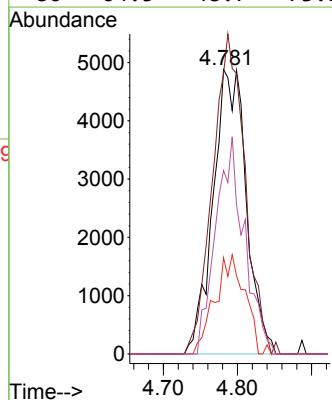
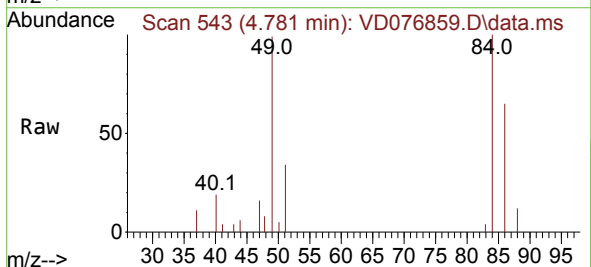
Instrument :
MSVOA_D
ClientSampleId :
B-P7B

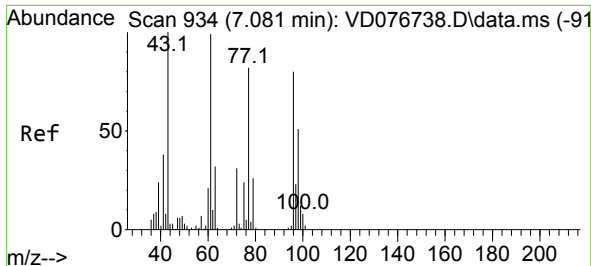
Tgt Ion: 76 Resp: 6139
Ion Ratio Lower Upper
76 100
78 14.6 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.781 min Scan# 543
Delta R.T. -0.018 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

Tgt Ion: 84 Resp: 15211
Ion Ratio Lower Upper
84 100
49 98.5 71.4 107.2
51 33.8 24.5 36.7
86 64.5 48.7 73.1

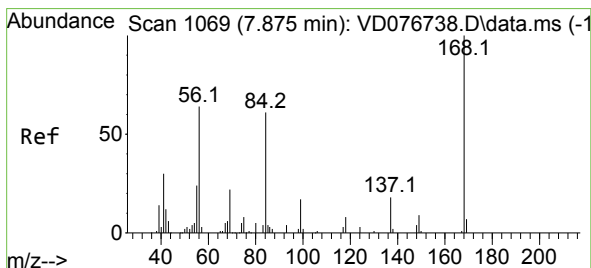
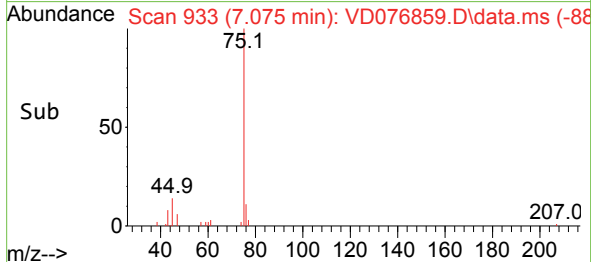
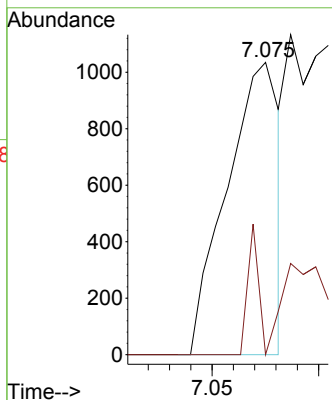
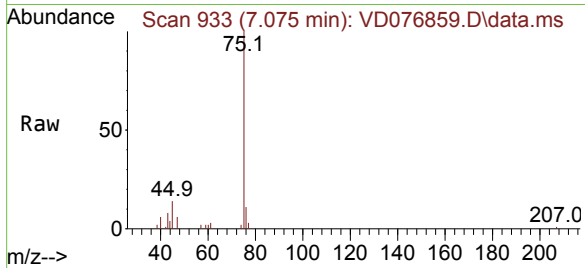




#25
2-Butanone
Concen: 3.213 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

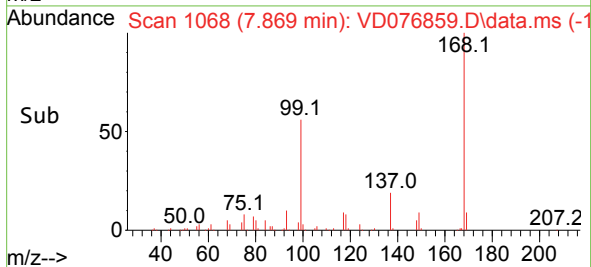
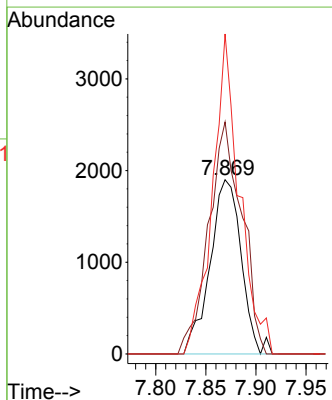
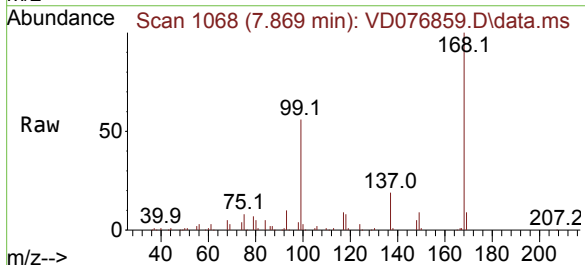
Instrument :
MSVOA_D
ClientSampleId :
B-P7B

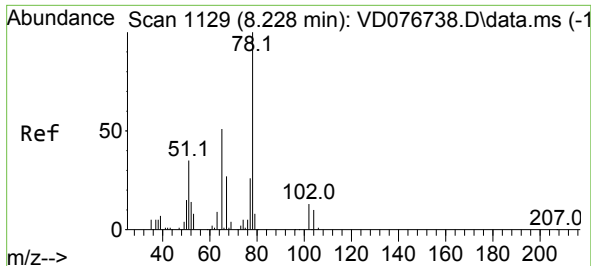
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.621 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

Tgt Ion: 56 Resp: 4109
Ion Ratio Lower Upper
56 100
69 133.1 28.6 43.0#
84 183.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 52.838 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

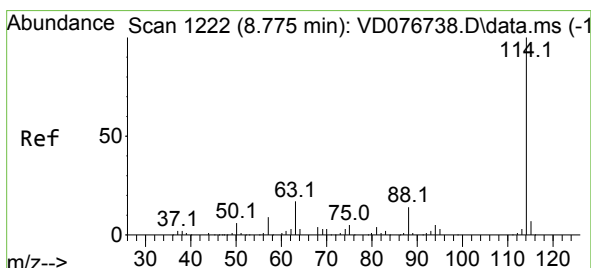
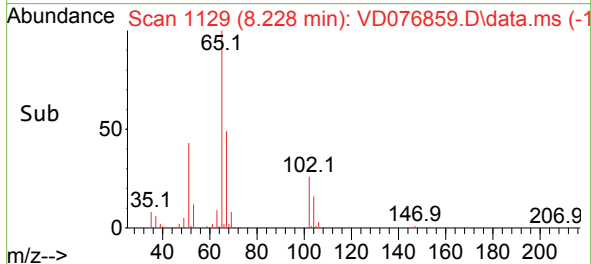
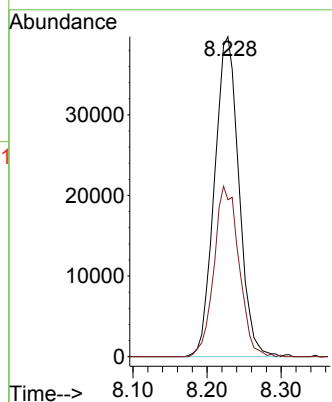
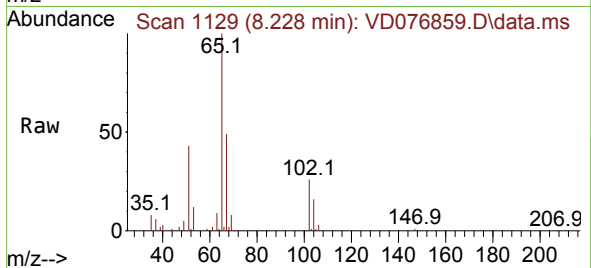
B-P7B

Tgt Ion: 65 Resp: 91010

Ion Ratio Lower Upper

65 100

67 54.4 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: VD076859.D

Acq: 28 Jul 2023 17:20

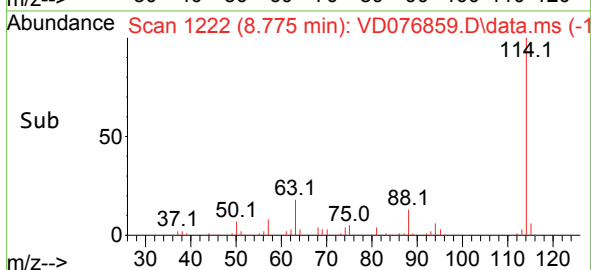
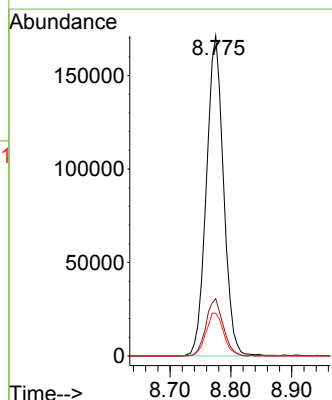
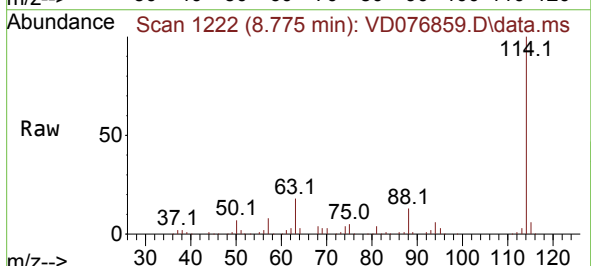
Tgt Ion: 114 Resp: 334955

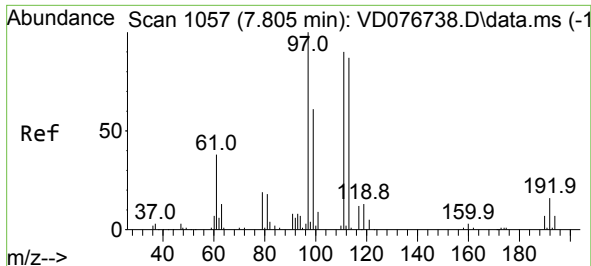
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.732 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

B-P7B

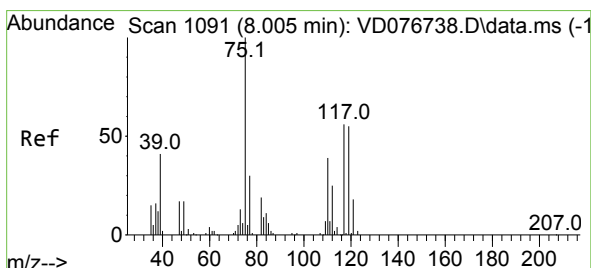
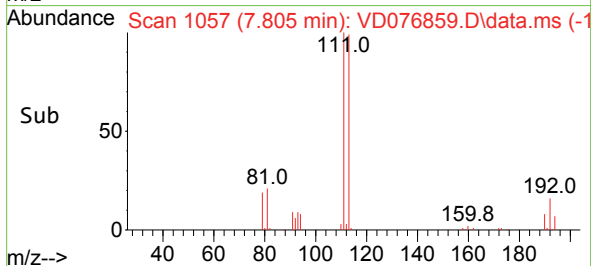
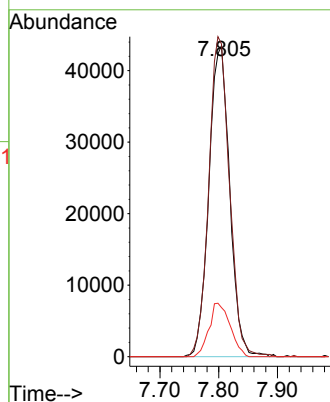
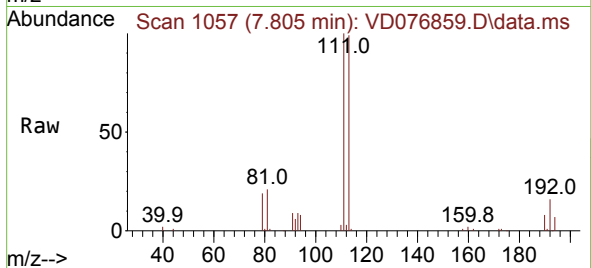
Tgt Ion:113 Resp: 106784

Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 17.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.374 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

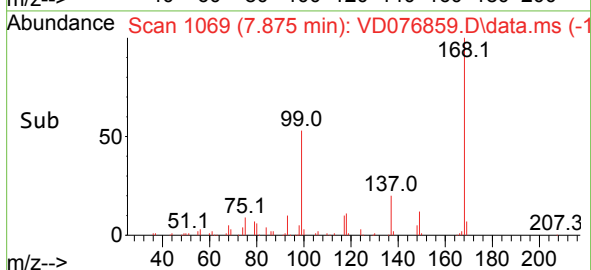
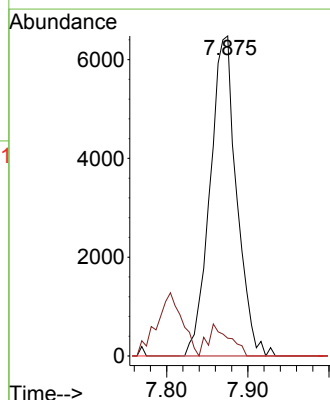
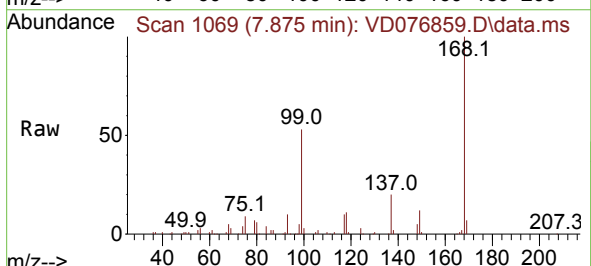
Tgt Ion: 75 Resp: 14782

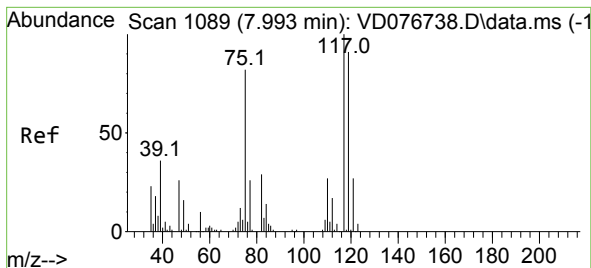
Ion Ratio Lower Upper

75 100

110 8.0 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.731 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

B-P7B

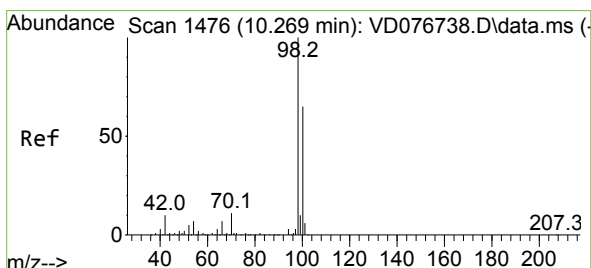
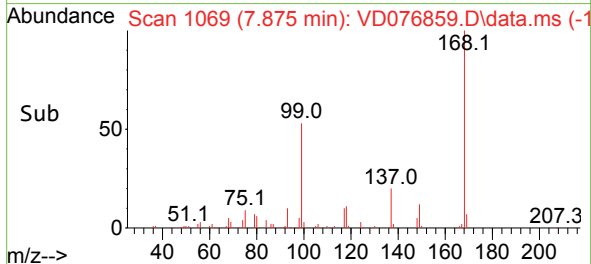
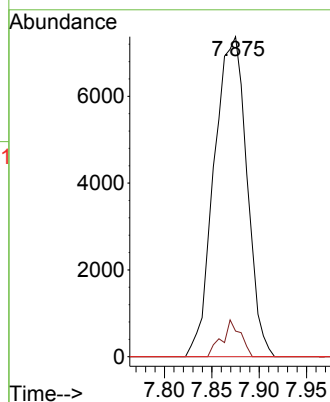
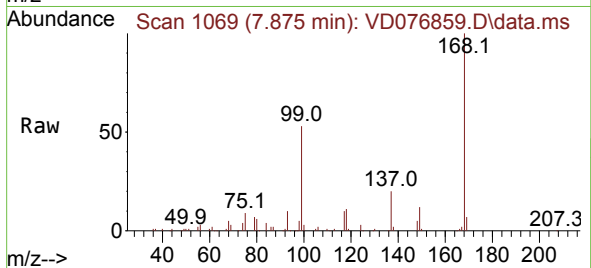
Tgt Ion:117 Resp: 17728

Ion Ratio Lower Upper

117 100

119 8.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.181 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076859.D

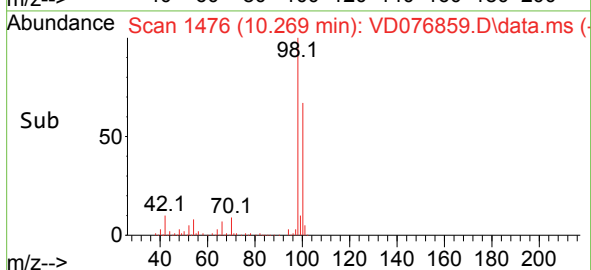
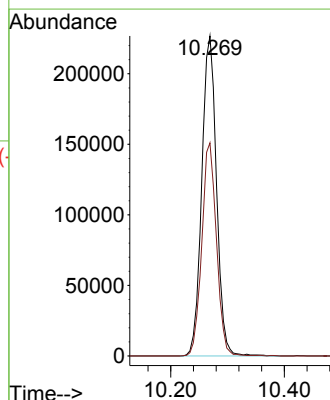
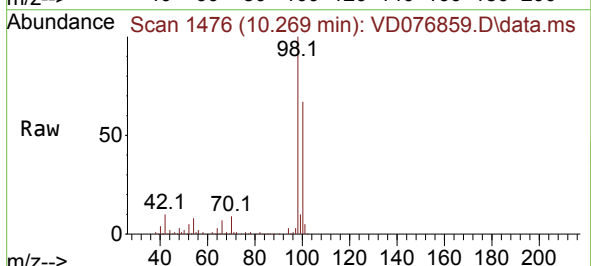
Acq: 28 Jul 2023 17:20

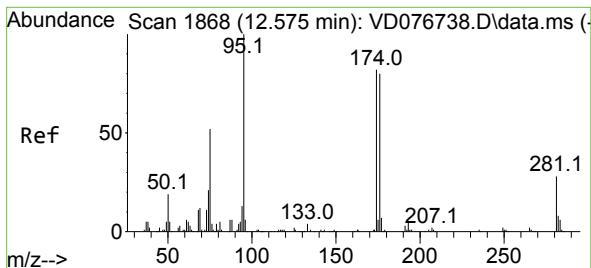
Tgt Ion: 98 Resp: 407978

Ion Ratio Lower Upper

98 100

100 66.1 50.3 75.5

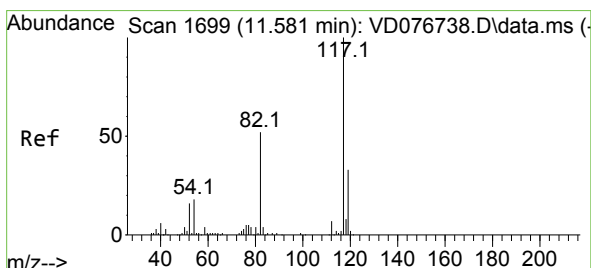
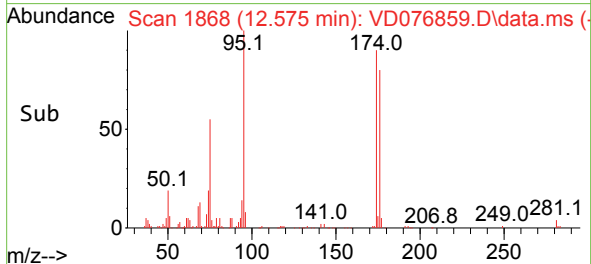
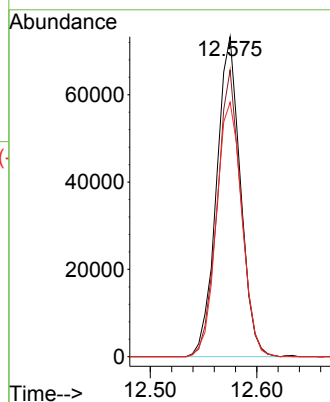
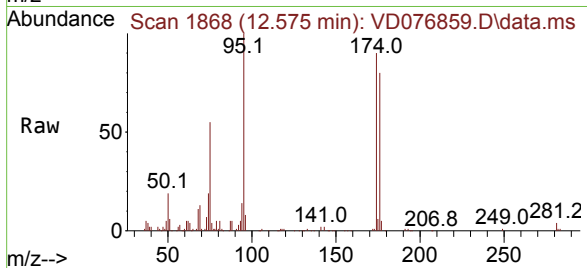




#62
4-Bromofluorobenzene
Concen: 46.915 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

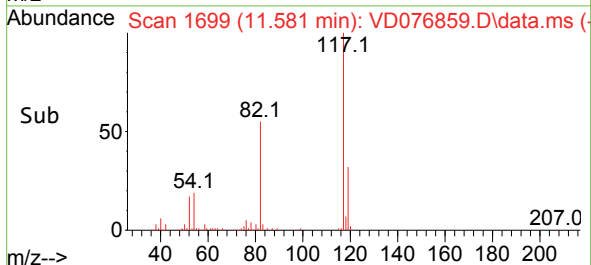
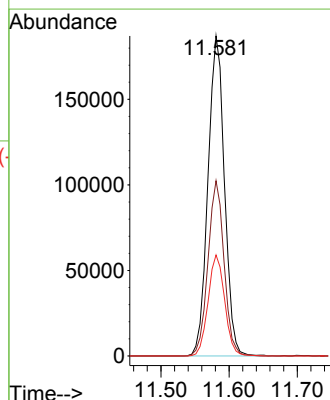
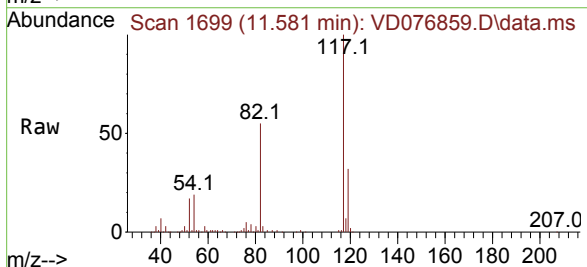
Instrument :
MSVOA_D
ClientSampleId :
B-P7B

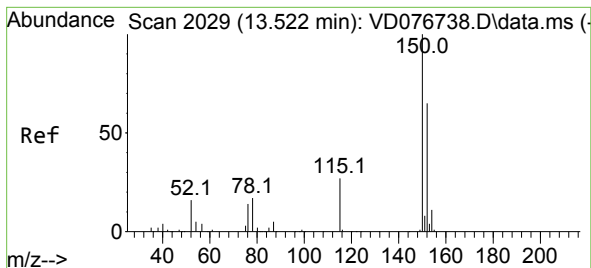
Tgt Ion: 95 Resp: 114283
Ion Ratio Lower Upper
95 100
174 89.1 0.0 201.8
176 84.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

Tgt Ion: 117 Resp: 315453
Ion Ratio Lower Upper
117 100
82 54.8 38.3 57.5
119 31.6 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: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

B-P7B

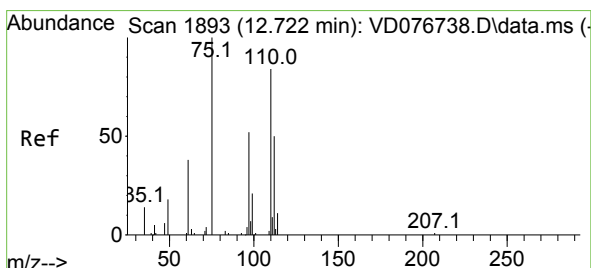
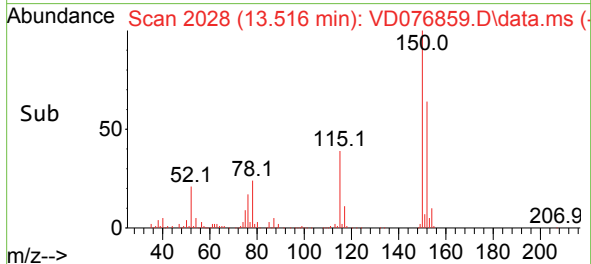
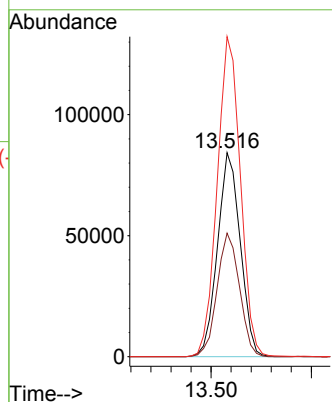
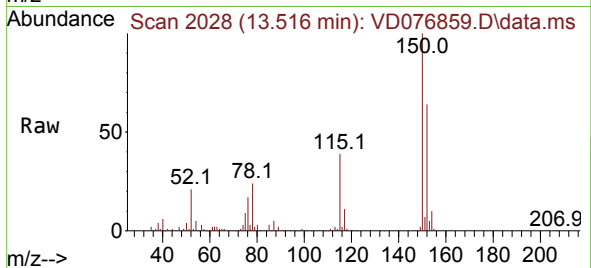
Tgt Ion:152 Resp: 132818

Ion Ratio Lower Upper

152 100

115 59.5 27.1 81.3

150 160.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 50.079 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076859.D

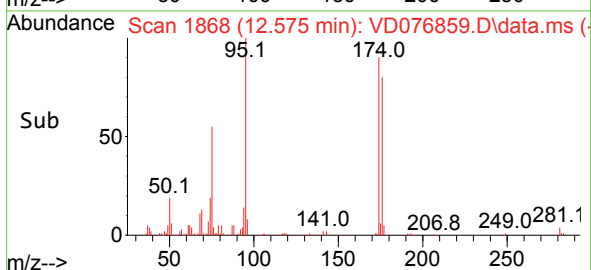
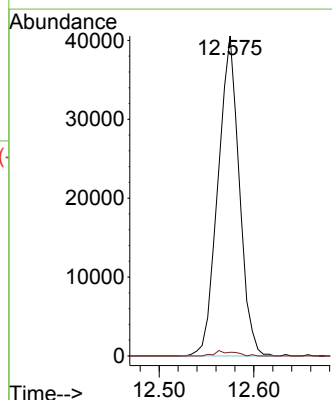
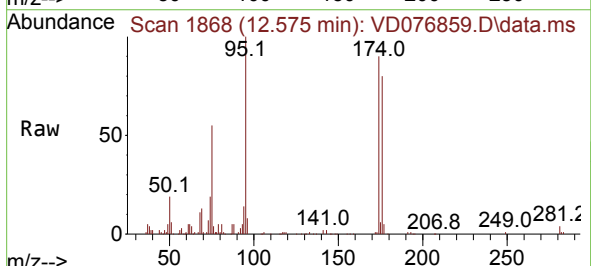
Acq: 28 Jul 2023 17:20

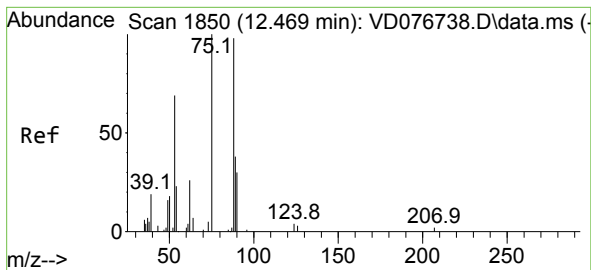
Tgt Ion: 75 Resp: 63254

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.581 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076859.D
 Acq: 28 Jul 2023 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P7B

Tgt Ion: 75 Resp: 63254
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

