

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076757.D
 Acq On : 17 Jul 2023 16:26
 Operator : KP/SY
 Sample : 03645-07
 Misc : 5.93G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP

Quant Time: Jul 18 01:23:54 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	155926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	359050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	355539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	162312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96549	62.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.340%
35) Dibromofluoromethane	7.805	113	119406	52.921	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.840%
50) Toluene-d8	10.269	98	454702	56.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.660%
62) 4-Bromofluorobenzene	12.575	95	143964	55.134	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.260%

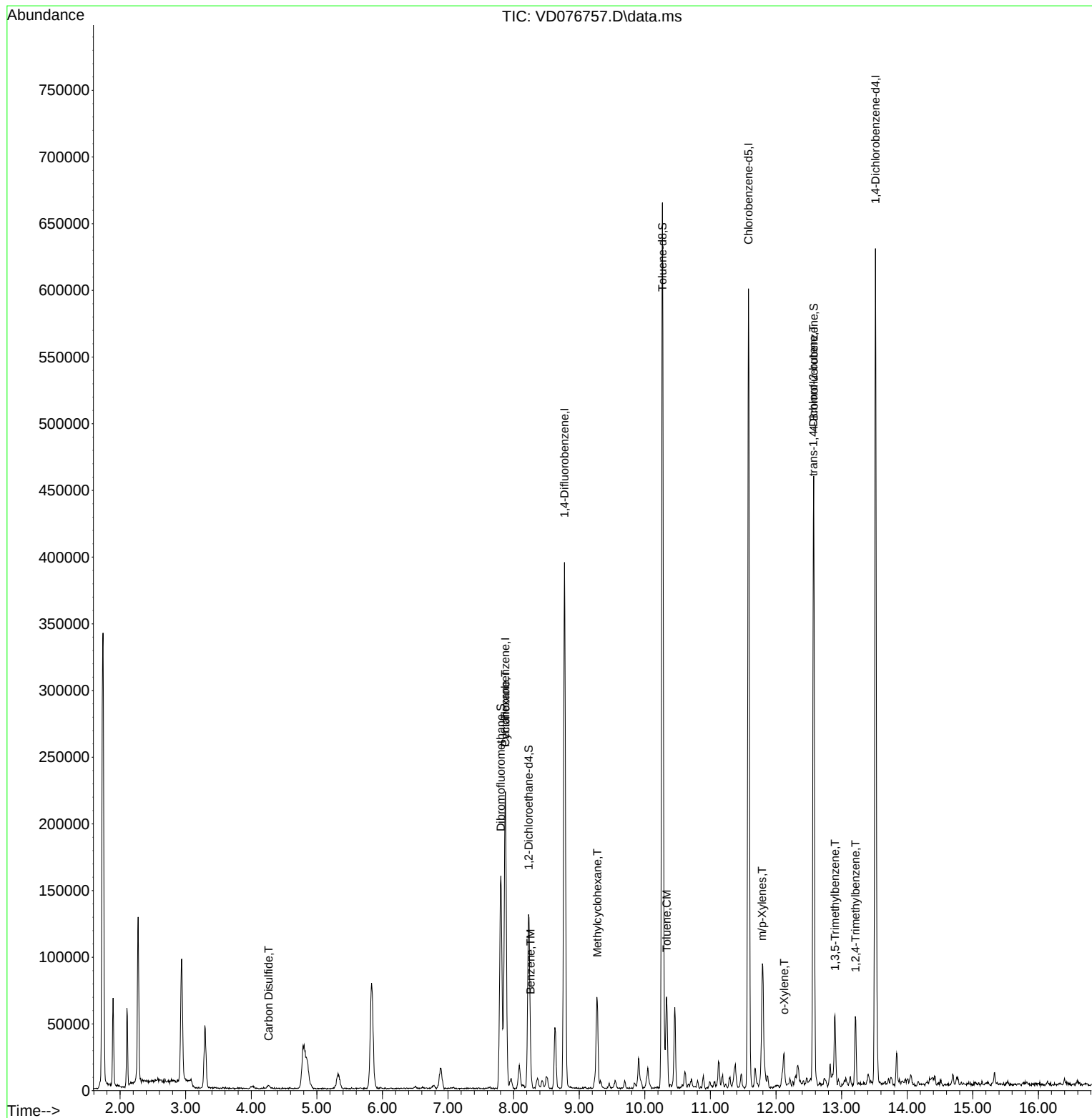
Target Compounds						Qvalue
17) Carbon Disulfide	4.264	76	5092	1.415	ug/l	99
31) Cyclohexane	7.875	56	15880	6.948	ug/l #	85
39) Methylcyclohexane	9.275	83	29363	8.625	ug/l	96
40) Benzene	8.257	78	13496	1.451	ug/l	93
52) Toluene	10.334	92	30169	4.938	ug/l	94
68) m/p-Xylenes	11.787	106	22159	4.594	ug/l	99
69) o-Xylene	12.128	106	6757	1.449	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	10084	1.059	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	74267	102.399	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	28216	2.900	ug/l	98

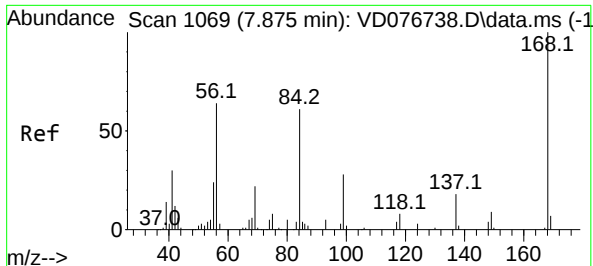
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 18 01:23:54 2023
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Quant Title : SW846 8260
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Response via : Initial Calibration

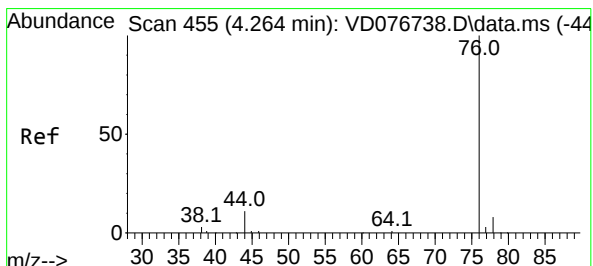
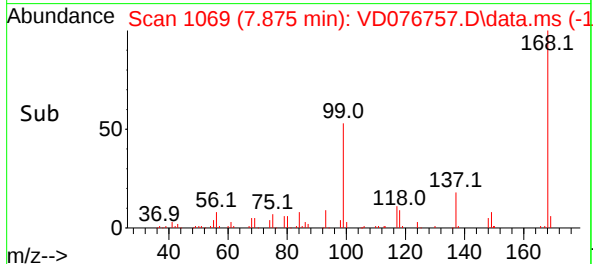
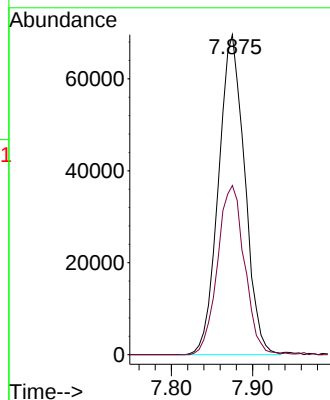
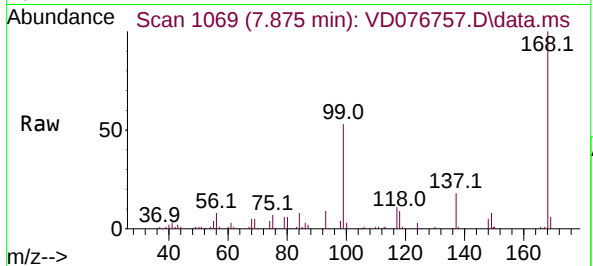




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

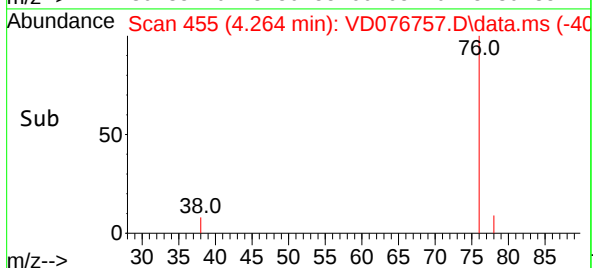
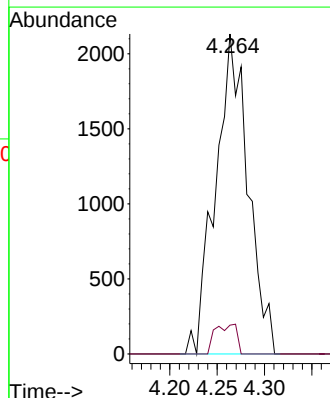
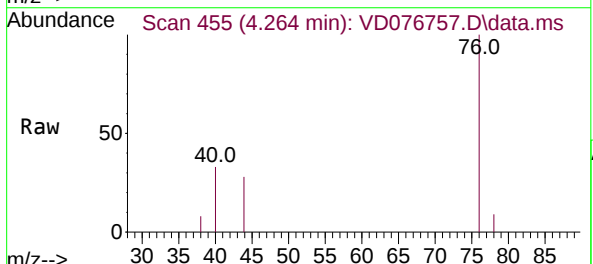
Instrument :
MSVOA_D
ClientSampleId :
DUP

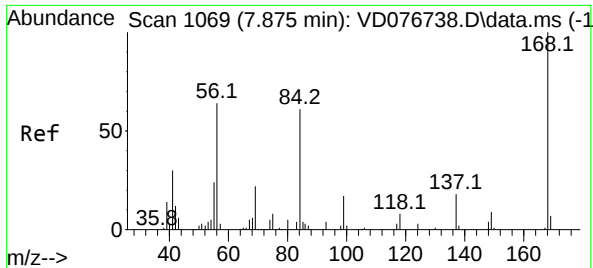
Tgt Ion:168 Resp: 155926
Ion Ratio Lower Upper
168 100
99 52.9 36.7 55.1



#17
Carbon Disulfide
Concen: 1.415 ug/l
RT: 4.264 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Tgt Ion: 76 Resp: 5092
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

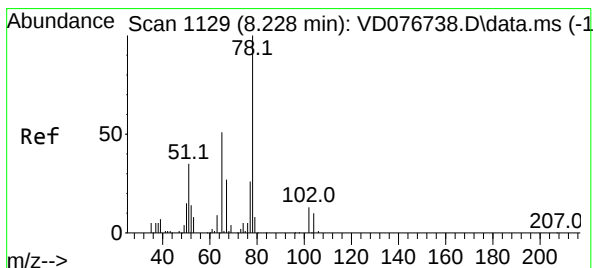
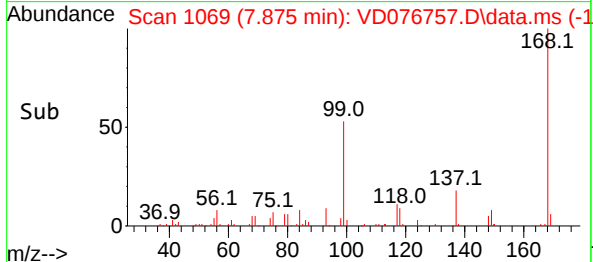
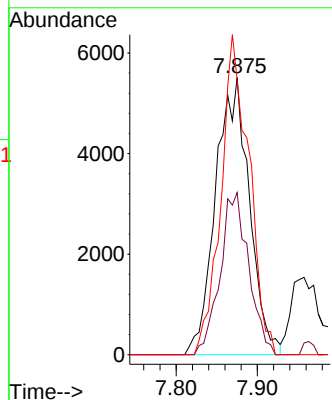
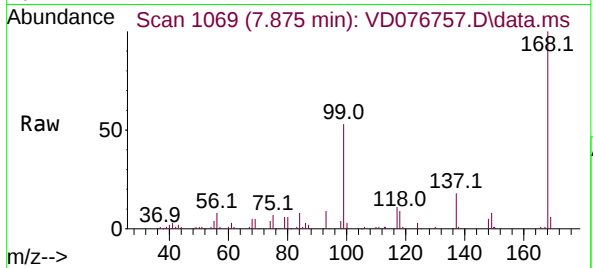




#31
Cyclohexane
Concen: 6.948 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

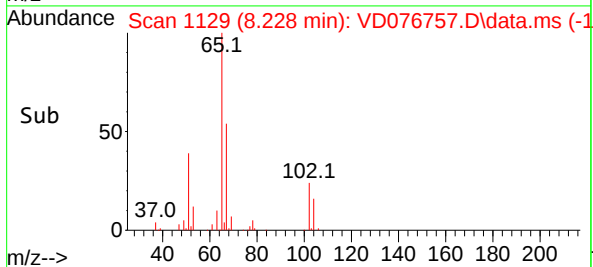
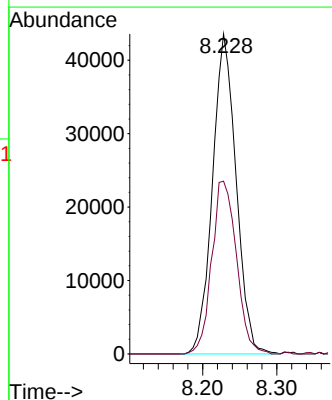
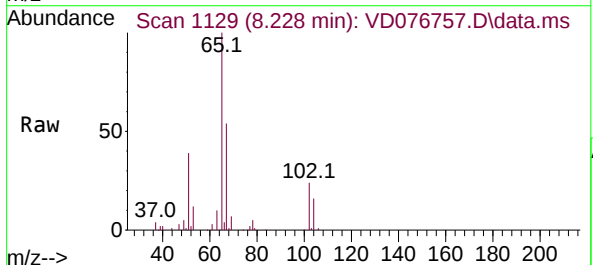
Instrument :
MSVOA_D
ClientSampleId :
DUP

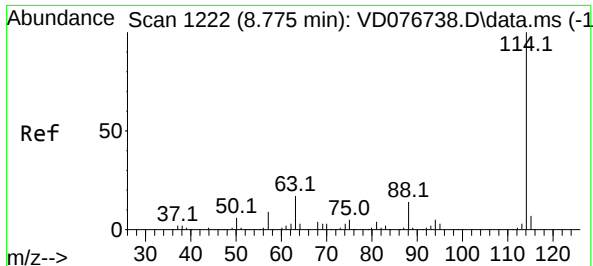
Tgt Ion: 56 Resp: 15880
Ion Ratio Lower Upper
56 100
69 58.5 28.6 43.0#
84 99.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 62.167 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Tgt Ion: 65 Resp: 96549
Ion Ratio Lower Upper
65 100
67 56.4 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: VD076757.D

Acq: 17 Jul 2023 16:26

Instrument :

MSVOA_D

ClientSampleId :

DUP

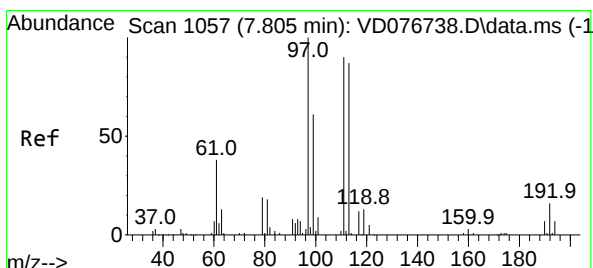
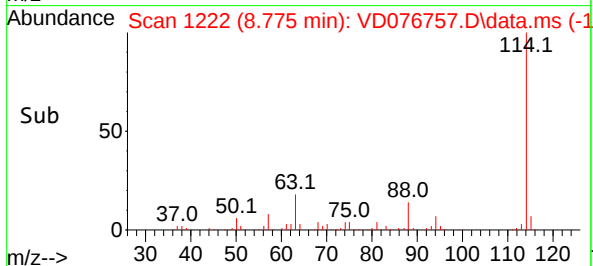
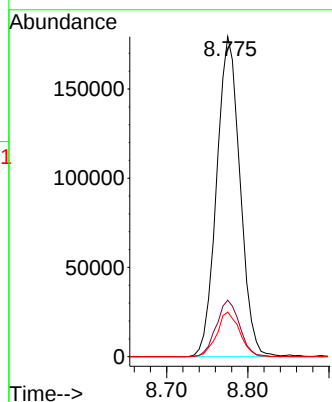
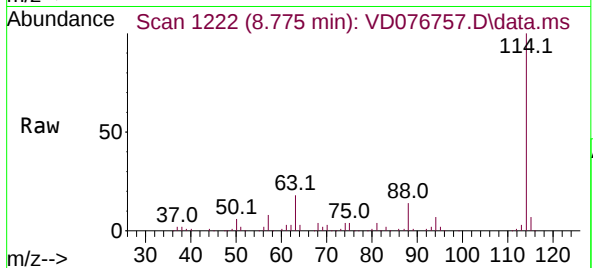
Tgt Ion:114 Resp: 359050

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.921 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076757.D

Acq: 17 Jul 2023 16:26

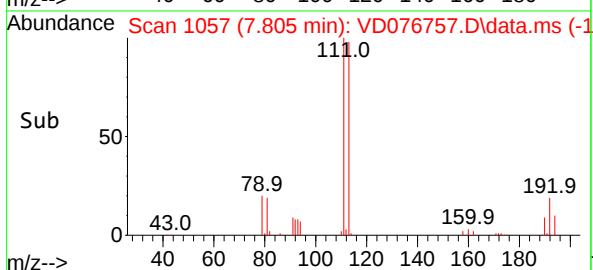
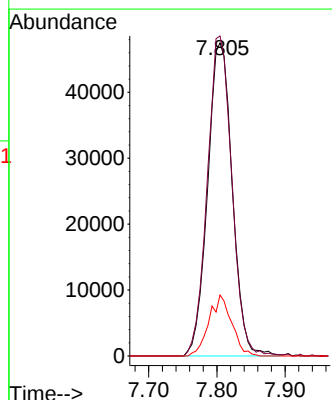
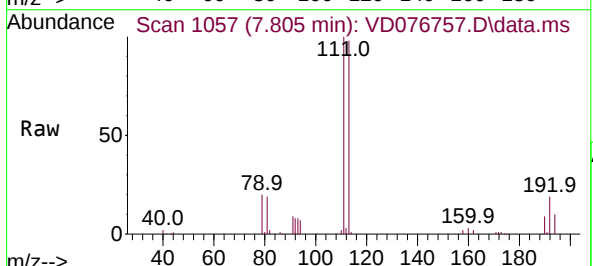
Tgt Ion:113 Resp: 119406

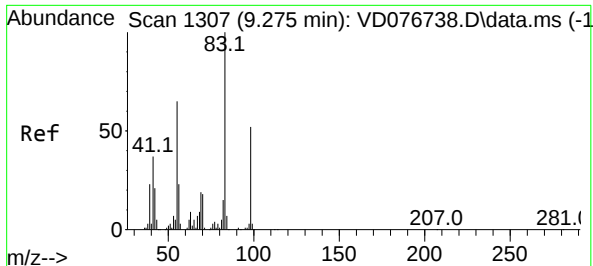
Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 17.9 16.8 25.2





#39

Methylcyclohexane

Concen: 8.625 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD076757.D

Acq: 17 Jul 2023 16:26

Instrument :

MSVOA_D

ClientSampleId :

DUP

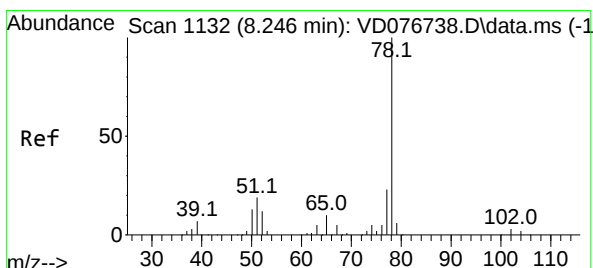
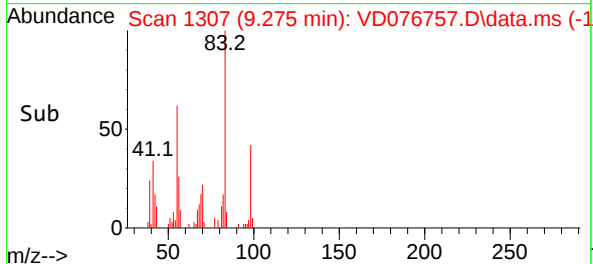
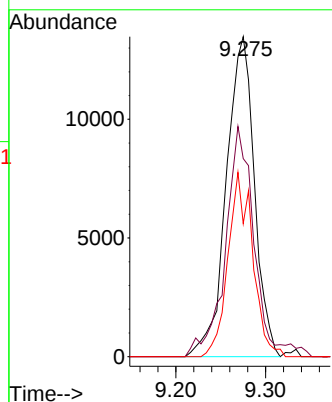
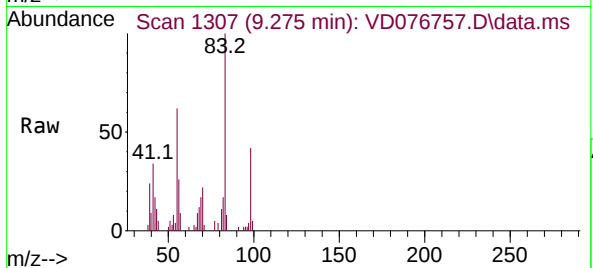
Tgt Ion: 83 Resp: 29363

Ion Ratio Lower Upper

83 100

55 61.9 49.4 74.0

98 41.6 38.4 57.6



#40

Benzene

Concen: 1.451 ug/l

RT: 8.257 min Scan# 1134

Delta R.T. 0.011 min

Lab File: VD076757.D

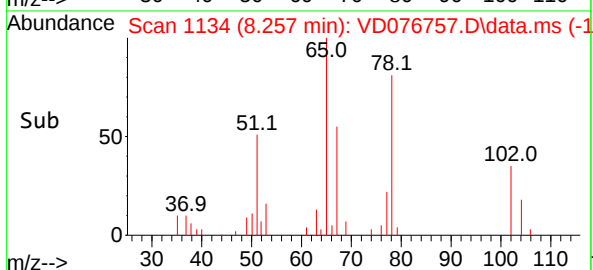
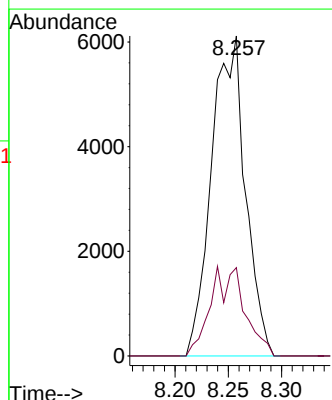
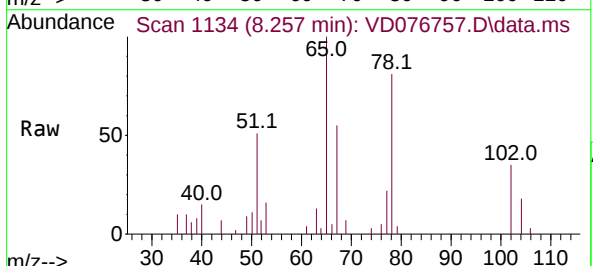
Acq: 17 Jul 2023 16:26

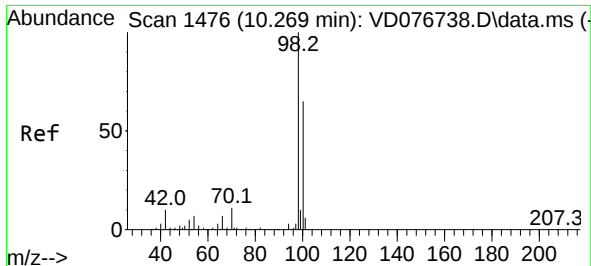
Tgt Ion: 78 Resp: 13496

Ion Ratio Lower Upper

78 100

77 27.6 19.4 29.0

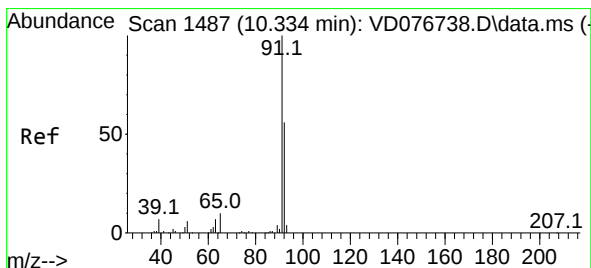
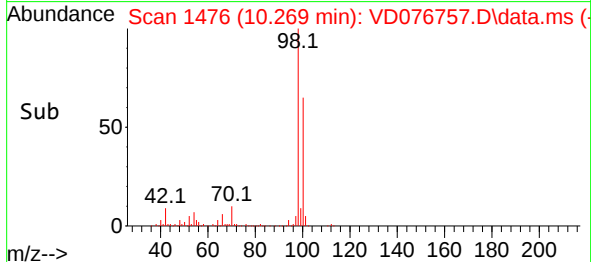
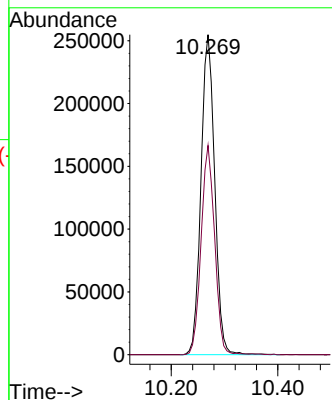
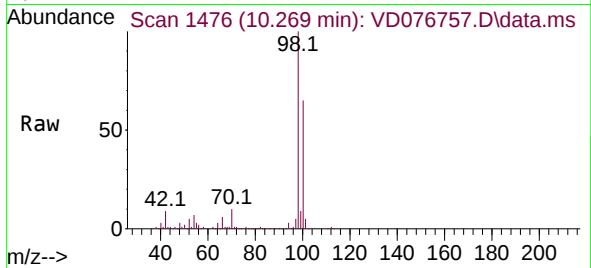




#50
Toluene-d8
Concen: 56.333 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

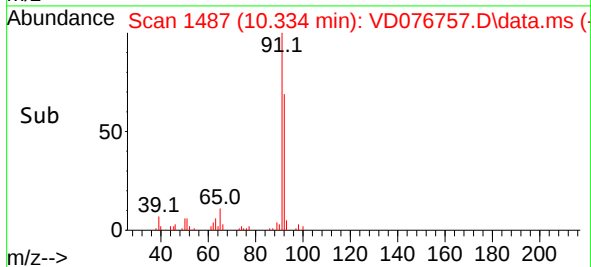
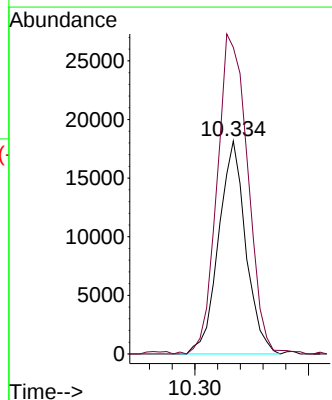
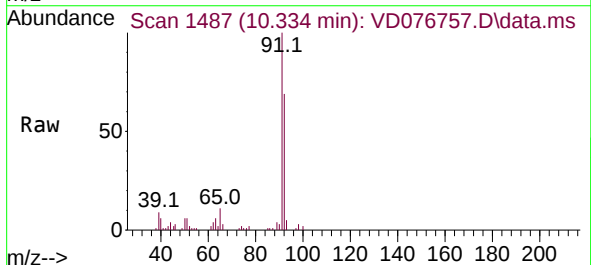
Instrument :
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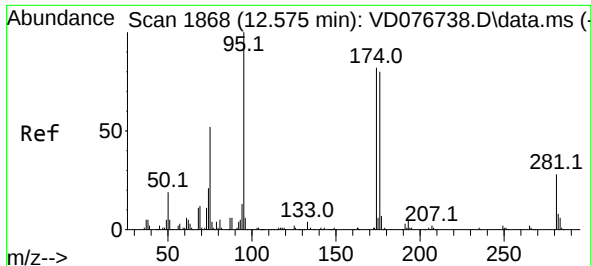
Tgt Ion: 98 Resp: 454702
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#52
Toluene
Concen: 4.938 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Tgt Ion: 92 Resp: 30169
Ion Ratio Lower Upper
92 100
91 169.7 143.0 214.4

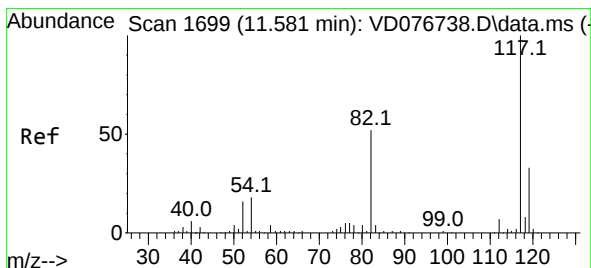
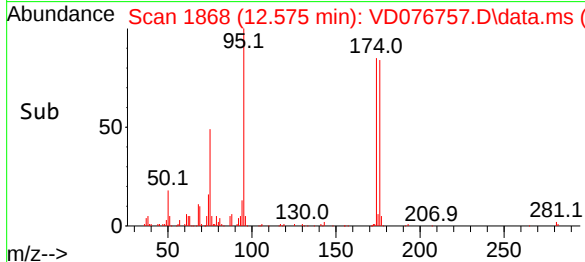
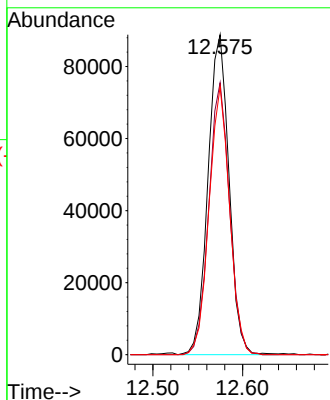
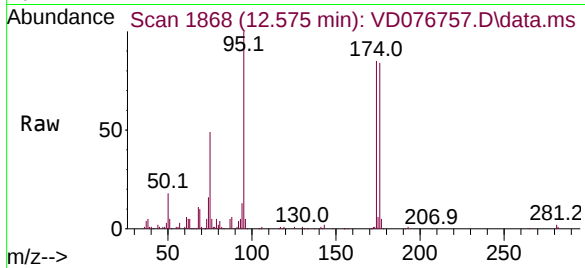




#62
4-Bromofluorobenzene
Concen: 55.134 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

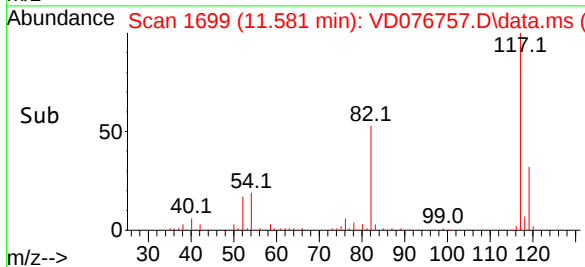
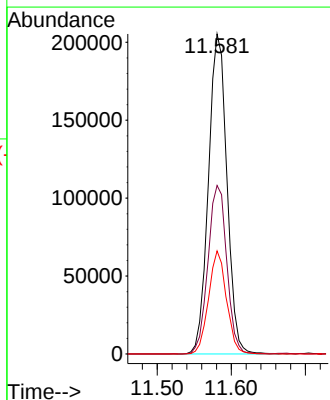
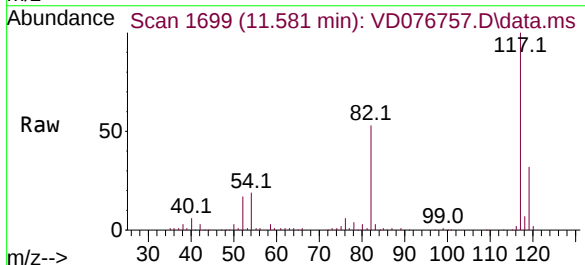
Instrument :
MSVOA_D
ClientSampleId :
DUP

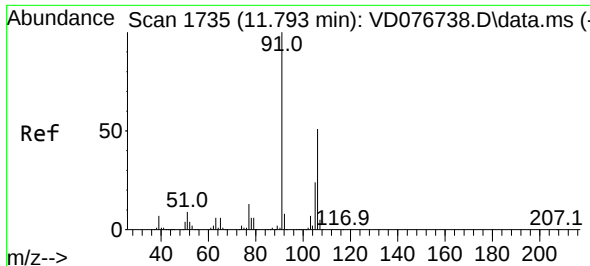
Tgt Ion: 95 Resp: 143964
Ion Ratio Lower Upper
95 100
174 84.1 0.0 201.8
176 81.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Tgt Ion: 117 Resp: 355539
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 32.2 25.0 37.4

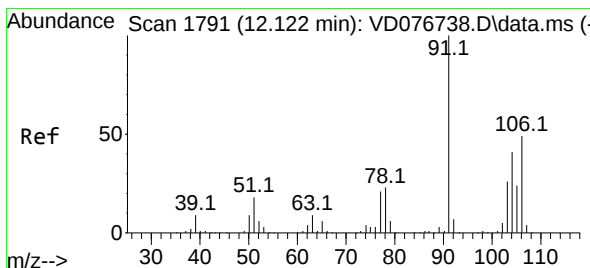
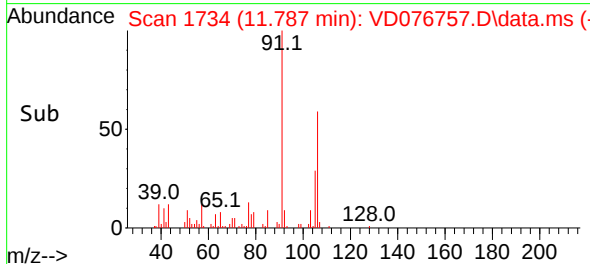
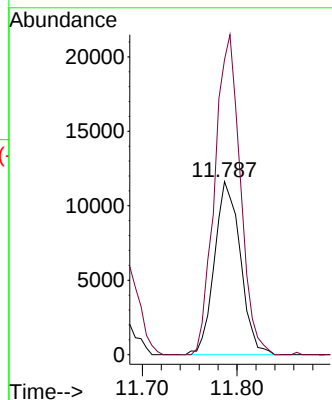
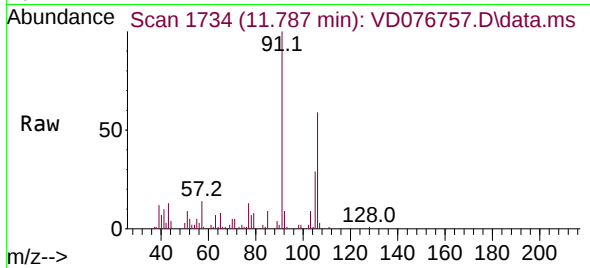




#68
m/p-Xylenes
Concen: 4.594 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

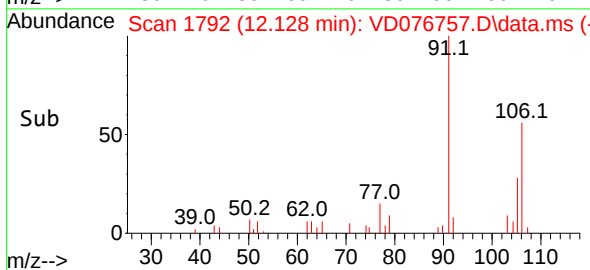
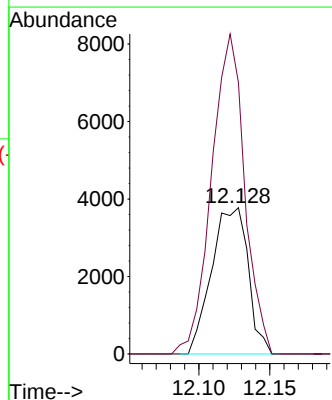
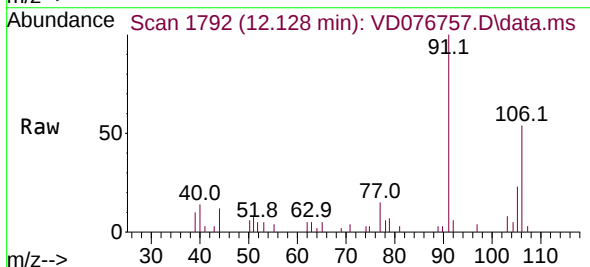
Instrument :
MSVOA_D
ClientSampleId :
DUP

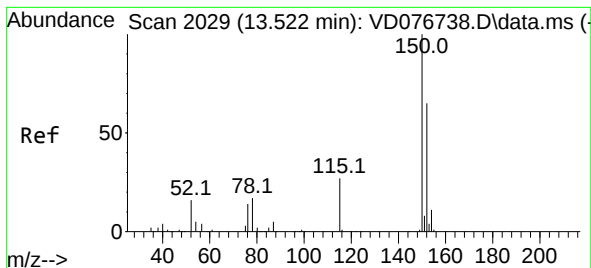
Tgt Ion:106 Resp: 22159
Ion Ratio Lower Upper
106 100
91 182.2 147.0 220.6



#69
o-Xylene
Concen: 1.449 ug/l
RT: 12.128 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Tgt Ion:106 Resp: 6757
Ion Ratio Lower Upper
106 100
91 198.0 97.9 293.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076757.D

Acq: 17 Jul 2023 16:26

Instrument :

MSVOA_D

ClientSampleId :

DUP

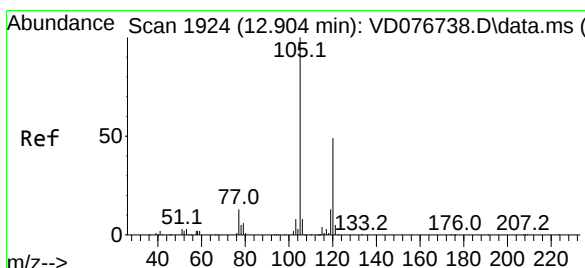
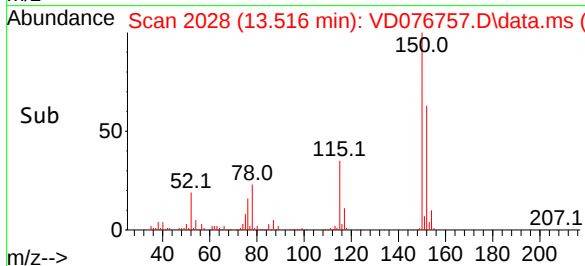
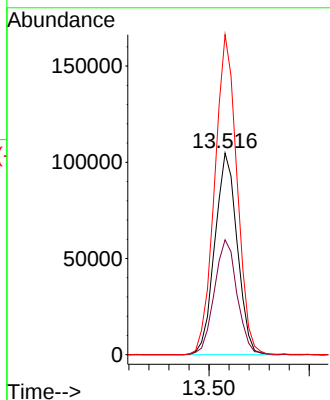
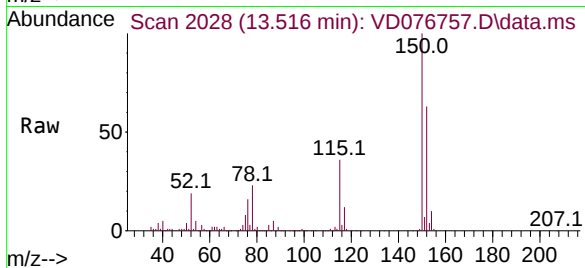
Tgt Ion:152 Resp: 162312

Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 158.4 0.0 353.6



#80

1,3,5-Trimethylbenzene

Concen: 1.059 ug/l

RT: 12.898 min Scan# 1923

Delta R.T. -0.006 min

Lab File: VD076757.D

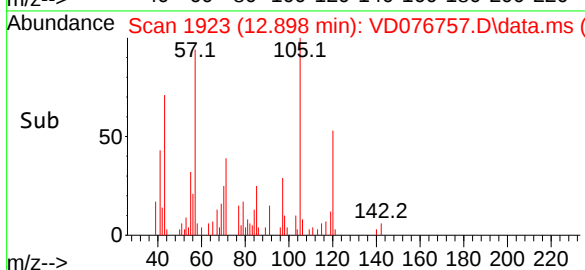
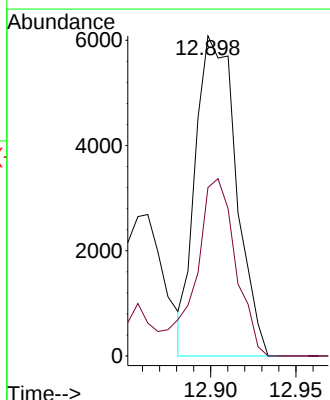
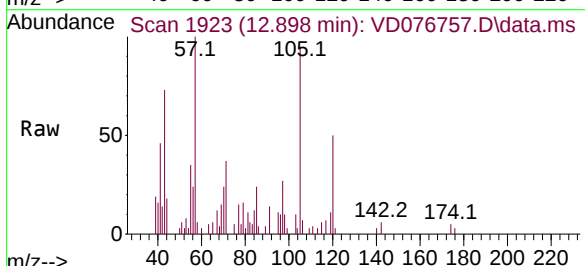
Acq: 17 Jul 2023 16:26

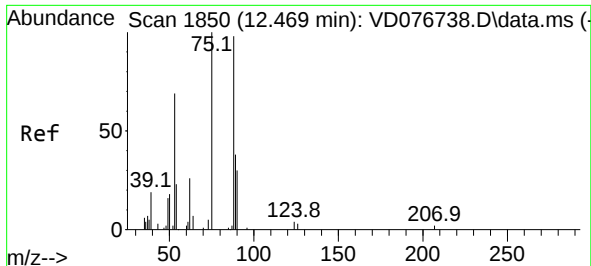
Tgt Ion:105 Resp: 10084

Ion Ratio Lower Upper

105 100

120 54.7 26.4 79.2

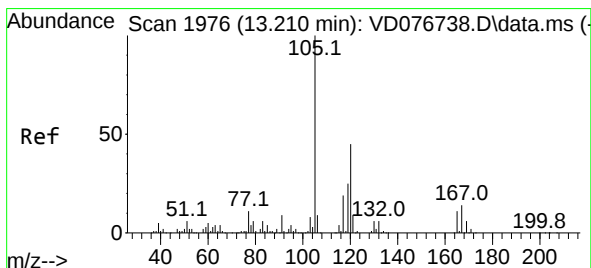
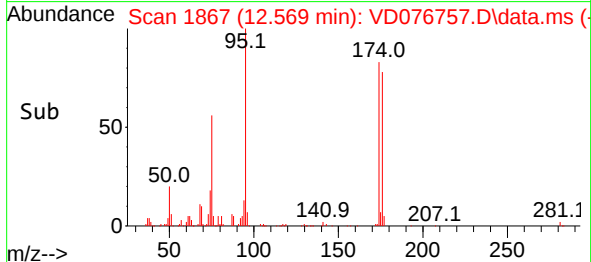
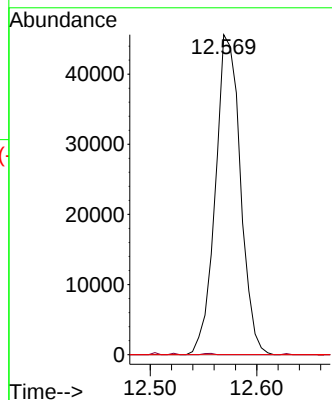
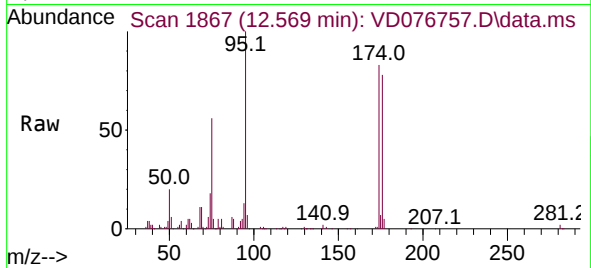




#81
trans-1,4-Dichloro-2-butene
Concen: 102.399 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Instrument :
MSVOA_D
ClientSampleId :
DUP

Tgt Ion: 75 Resp: 74267
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.900 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076757.D
Acq: 17 Jul 2023 16:26

Tgt Ion: 105 Resp: 28216
Ion Ratio Lower Upper
105 100
120 47.0 24.3 72.9

