

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078441.D
 Acq On : 15 Feb 2024 17:41
 Operator : RP/MD
 Sample : P1472-01
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-021424

Quant Time: Feb 16 02:38:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

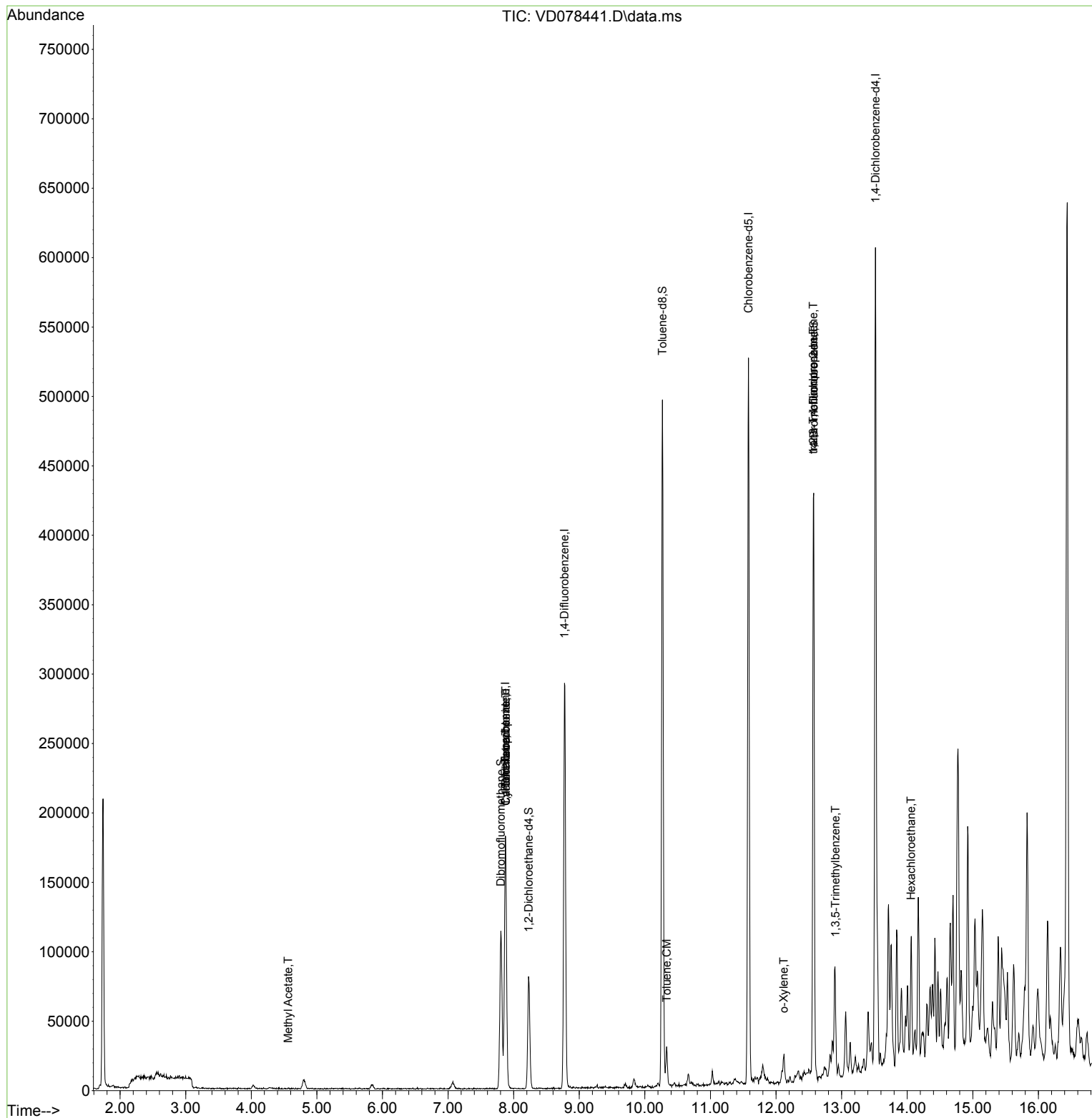
Internal Standards						
1) Pentafluorobenzene	7.875	168	142631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	273211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	313236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62439	40.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.980%
35) Dibromofluoromethane	7.804	113	84289	48.568	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.140%
50) Toluene-d8	10.269	98	350358	50.467	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.575	95	132636	65.652	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	131.300%
Target Compounds						
16) Acetone	4.028	43	4089	Below Cal	#	56
18) Methyl Acetate	4.563	43	64	3.993	ug/l #	42
25) 2-Butanone	7.081	43	90	Below Cal	#	37
31) Cyclohexane	7.881	56	2964	1.136	ug/l #	6
36) 1,1-Dichloropropene	7.881	75	10888	4.038	ug/l #	47
38) Carbon Tetrachloride	7.881	117	13634	5.106	ug/l #	16
52) Toluene	10.334	92	12248	2.485	ug/l	90
69) o-Xylene	12.116	106	5144	1.281	ug/l	91
76) 1,2,3-Trichloropropane	12.569	75	70374	51.271	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.904	105	21072	2.338	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.569	75	70374	106.440	ug/l #	17
90) Hexachloroethane	14.057	117	4204	2.037	ug/l #	11

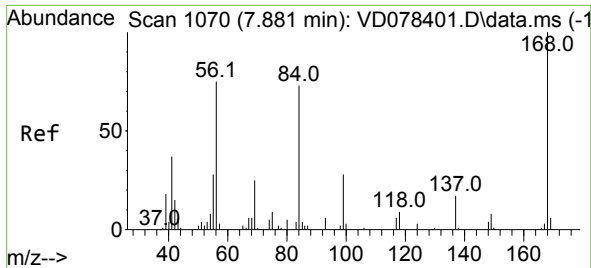
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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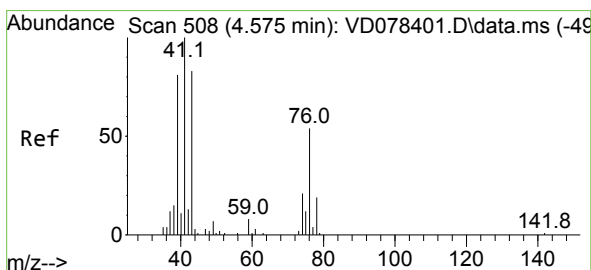
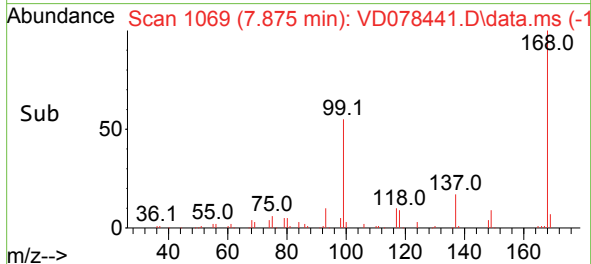
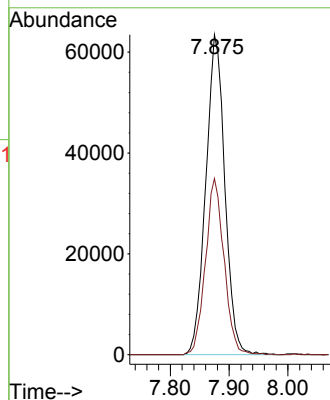
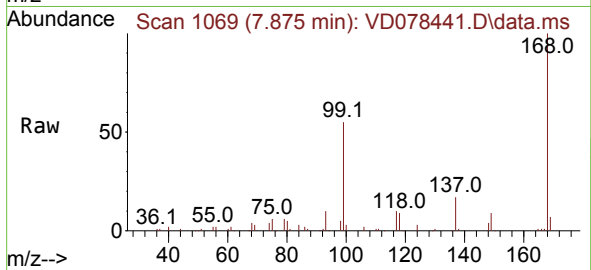




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

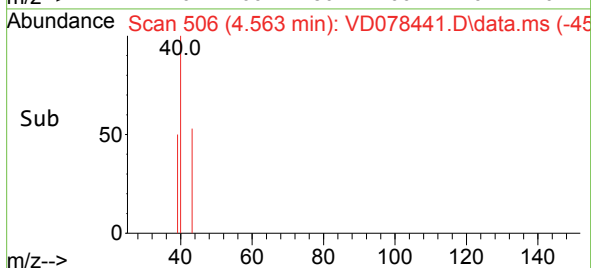
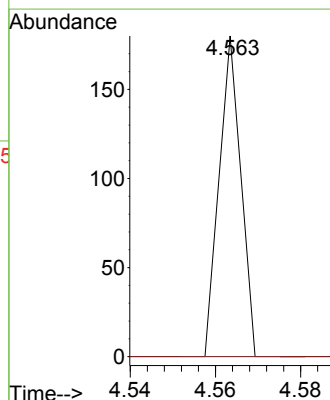
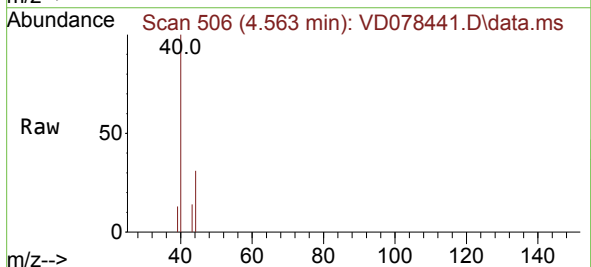
Instrument :
MSVOA_D
ClientSampleId :
TR-04-021424

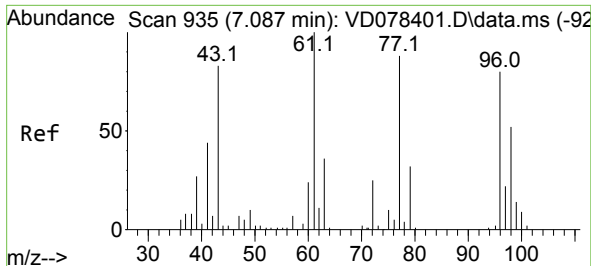
Tgt Ion:168 Resp: 142631
Ion Ratio Lower Upper
168 100
99 55.0 36.7 55.1



#18
Methyl Acetate
Concen: 3.993 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.012 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

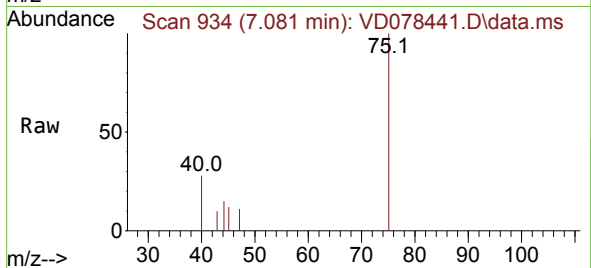
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



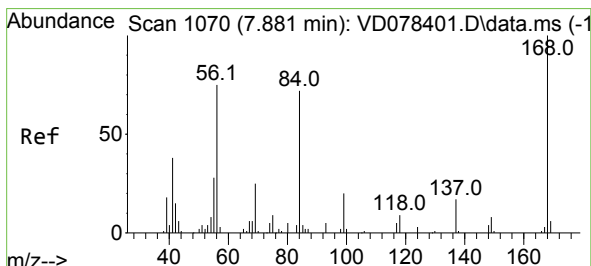
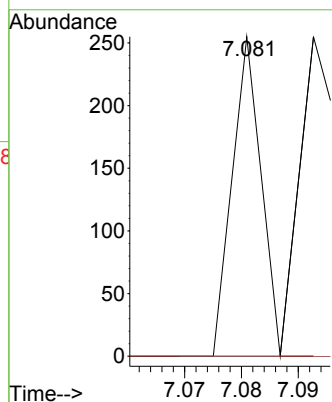
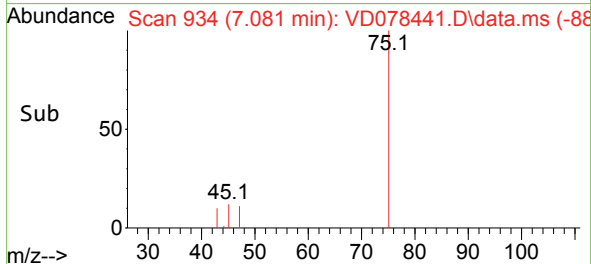


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

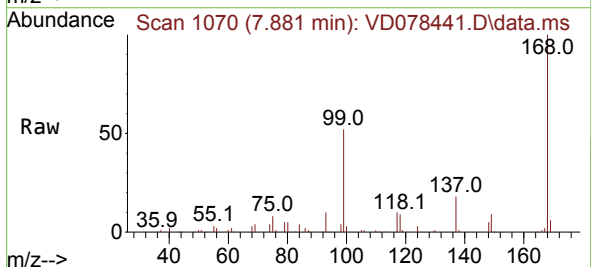
Instrument :
MSVOA_D
ClientSampleId :
TR-04-021424



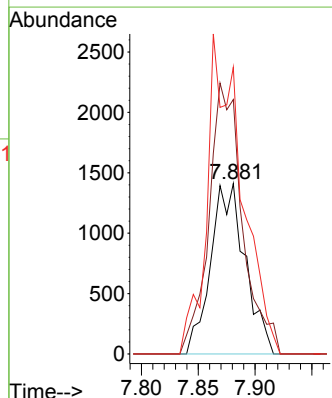
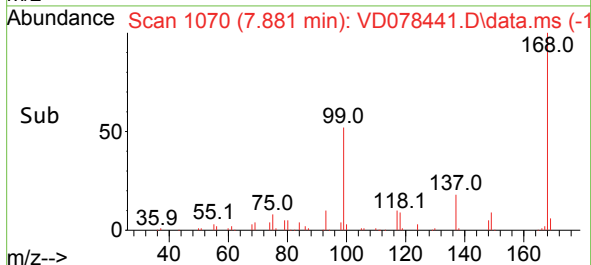
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

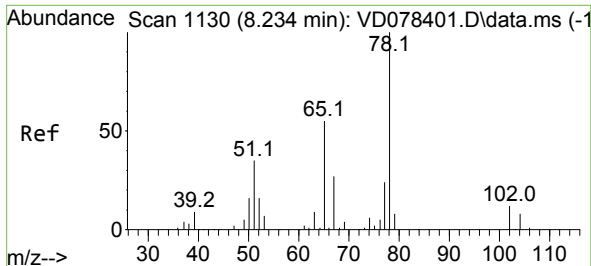


#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41



Tgt Ion: 56 Resp: 2964
Ion Ratio Lower Upper
56 100
69 149.3 28.6 43.0#
84 168.2 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 40.487 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078441.D

Acq: 15 Feb 2024 17:41

Instrument :

MSVOA_D

ClientSampleId :

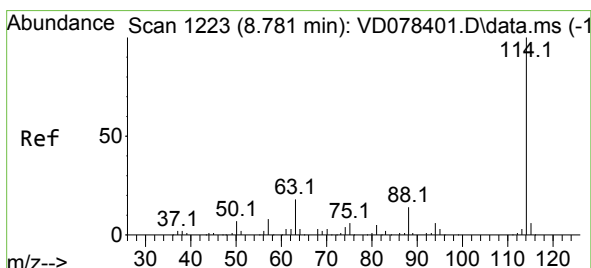
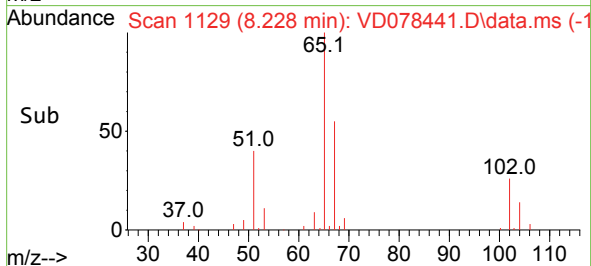
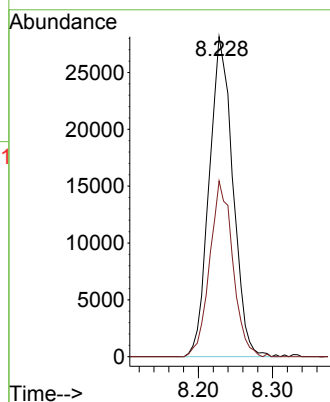
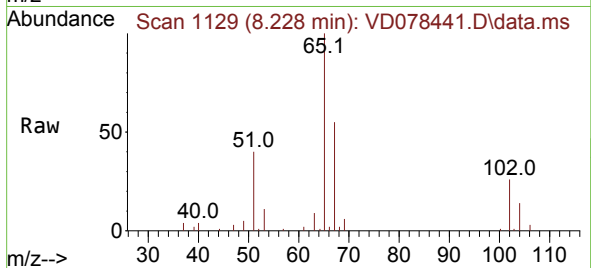
TR-04-021424

Tgt Ion: 65 Resp: 62439

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078441.D

Acq: 15 Feb 2024 17:41

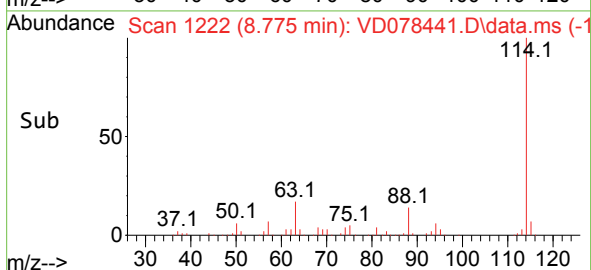
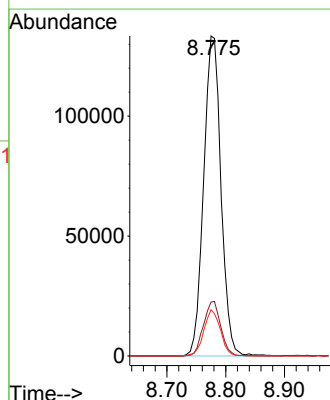
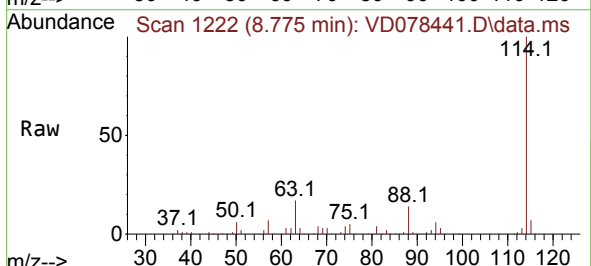
Tgt Ion: 114 Resp: 273211

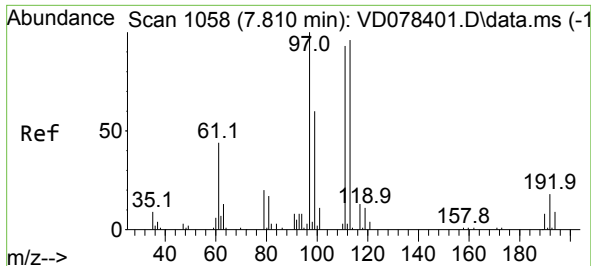
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.568 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078441.D

Acq: 15 Feb 2024 17:41

Instrument :

MSVOA_D

ClientSampleId :

TR-04-021424

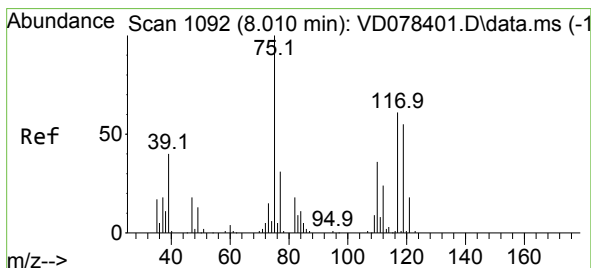
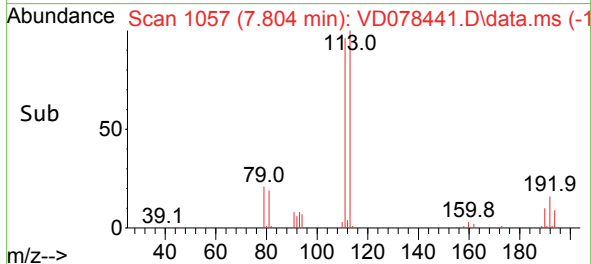
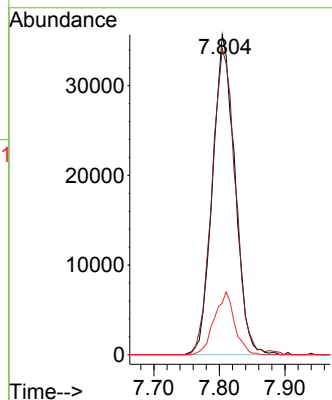
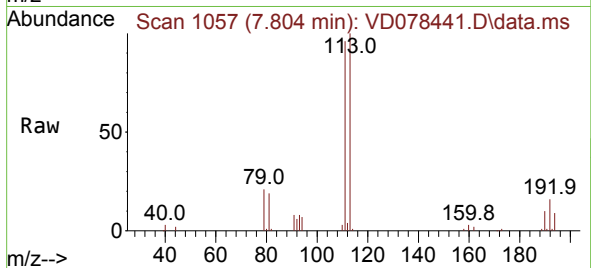
Tgt Ion:113 Resp: 84289

Ion Ratio Lower Upper

113 100

111 100.9 84.7 127.1

192 17.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.038 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD078441.D

Acq: 15 Feb 2024 17:41

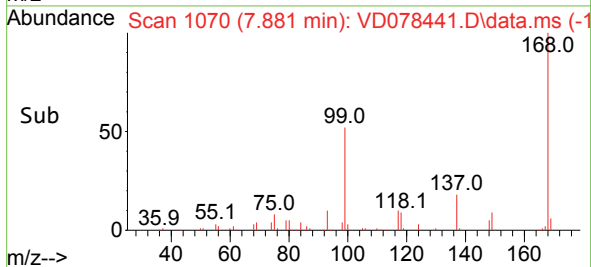
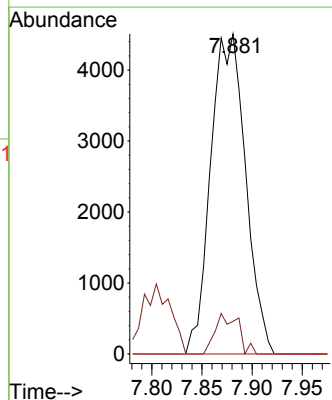
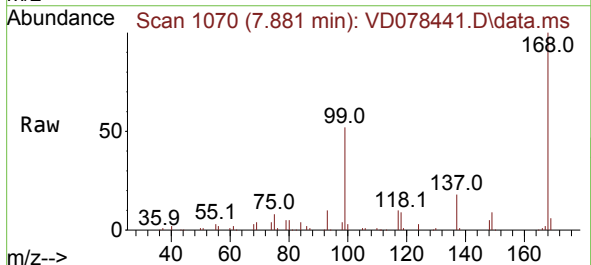
Tgt Ion: 75 Resp: 10888

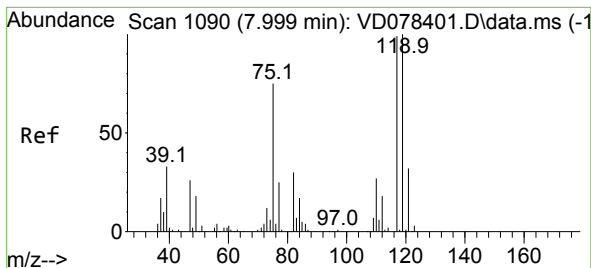
Ion Ratio Lower Upper

75 100

110 8.4 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.106 ug/l

RT: 7.881 min Scan# 1090

Delta R.T. -0.118 min

Lab File: VD078441.D

Acq: 15 Feb 2024 17:41

Instrument :

MSVOA_D

ClientSampleId :

TR-04-021424

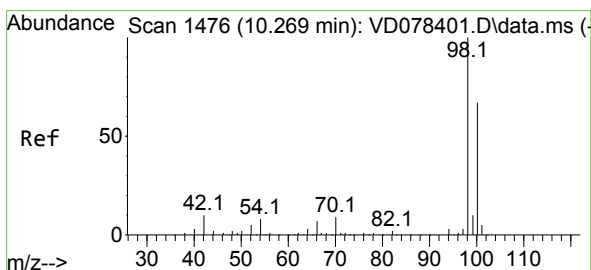
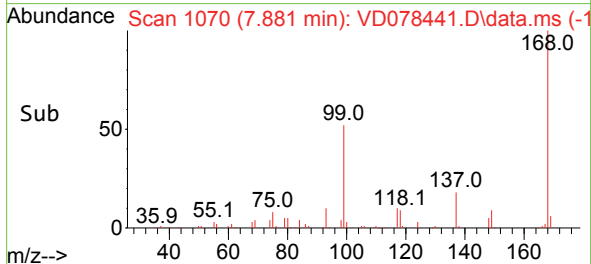
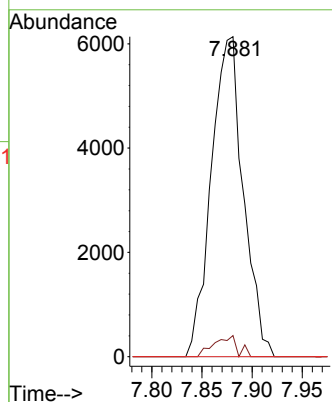
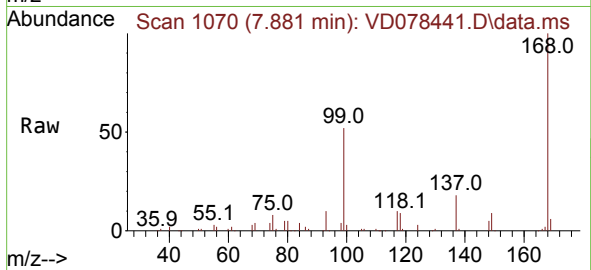
Tgt Ion:117 Resp: 13634

Ion Ratio Lower Upper

117 100

119 6.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.467 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078441.D

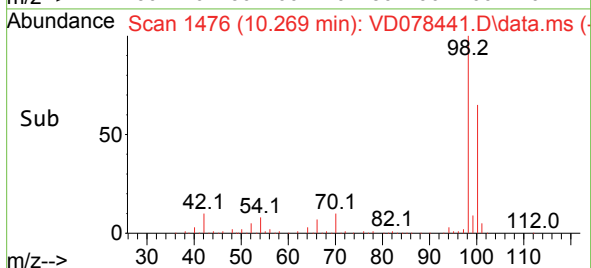
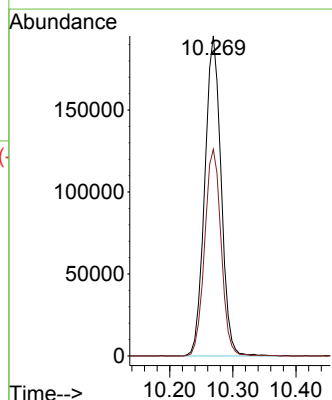
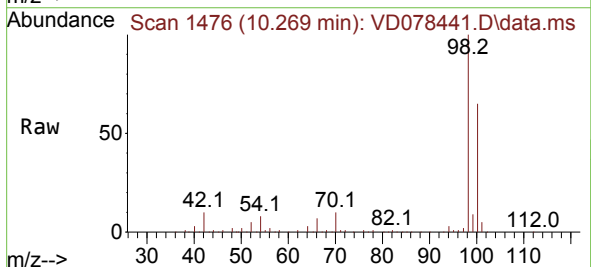
Acq: 15 Feb 2024 17:41

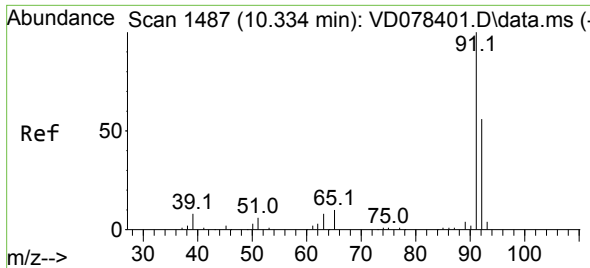
Tgt Ion: 98 Resp: 350358

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

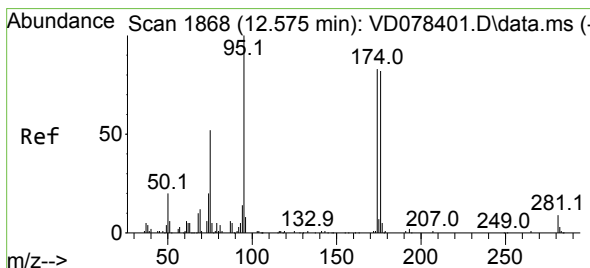
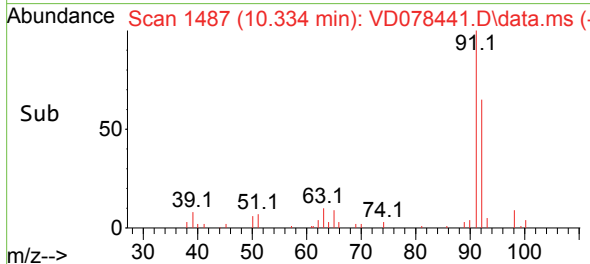
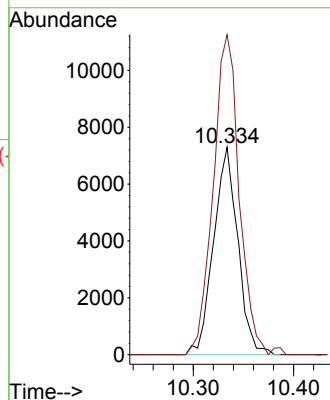
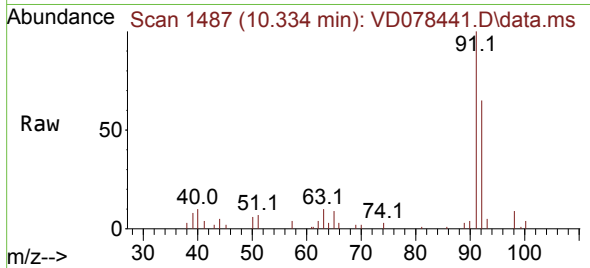




#52
Toluene
Concen: 2.485 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

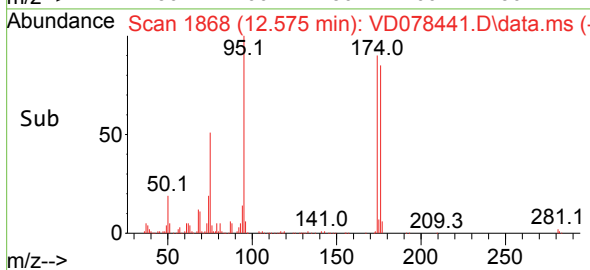
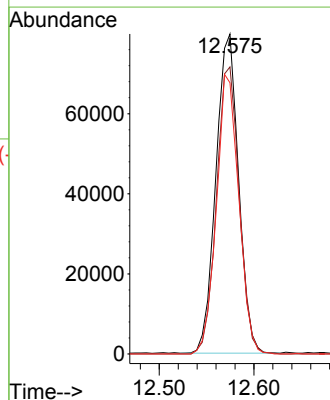
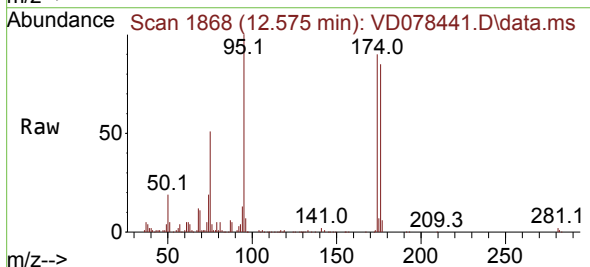
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TR-04-021424

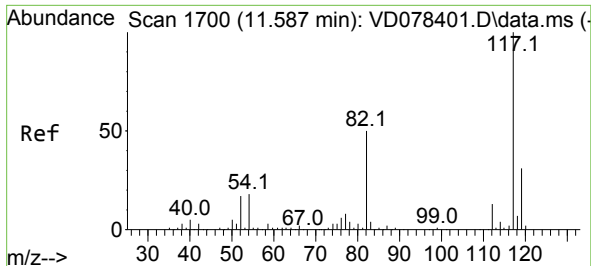
Tgt Ion: 92 Resp: 12248
Ion Ratio Lower Upper
92 100
91 165.1 143.0 214.4



#62
4-Bromofluorobenzene
Concen: 65.652 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

Tgt Ion: 95 Resp: 132636
Ion Ratio Lower Upper
95 100
174 90.2 0.0 201.8
176 86.4 0.0 191.8

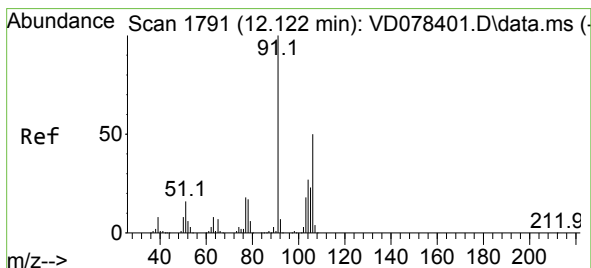
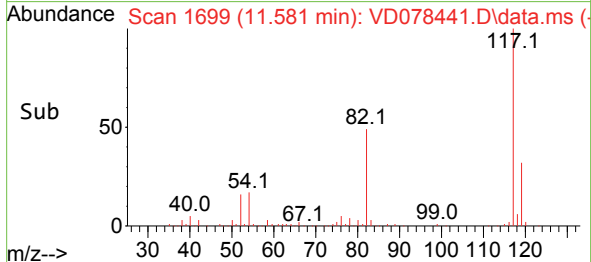
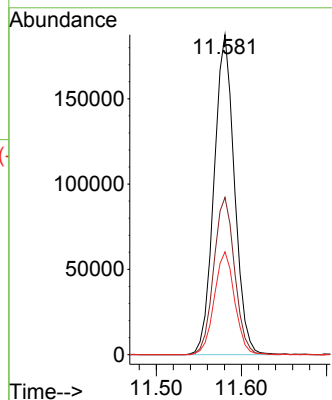
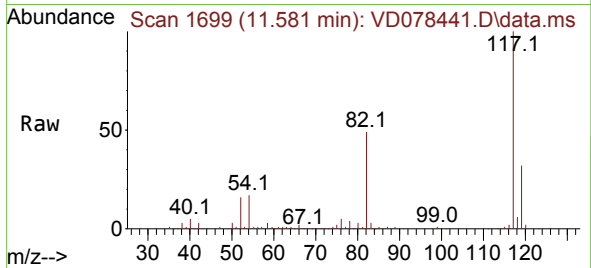




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

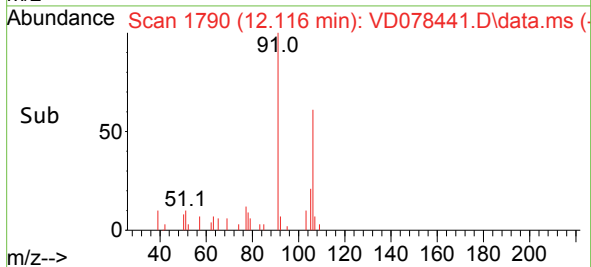
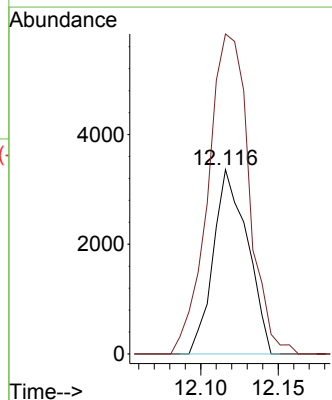
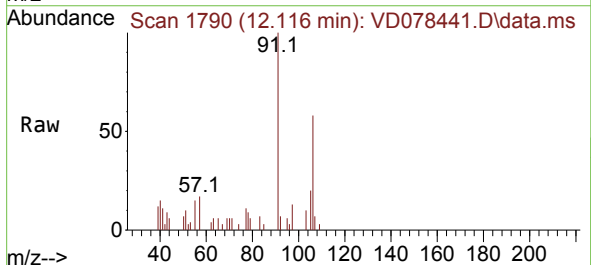
Instrument :
MSVOA_D
ClientSampleId :
TR-04-021424

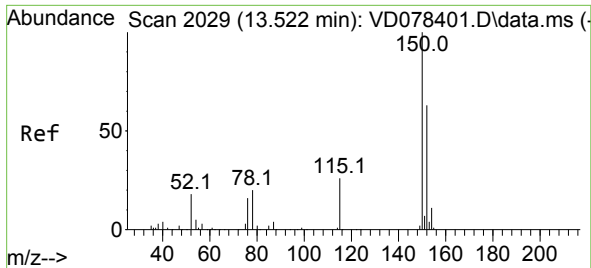
Tgt Ion:117 Resp: 313236
Ion Ratio Lower Upper
117 100
82 49.1 38.3 57.5
119 32.1 25.0 37.4



#69
o-Xylene
Concen: 1.281 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

Tgt Ion:106 Resp: 5144
Ion Ratio Lower Upper
106 100
91 209.4 97.9 293.6

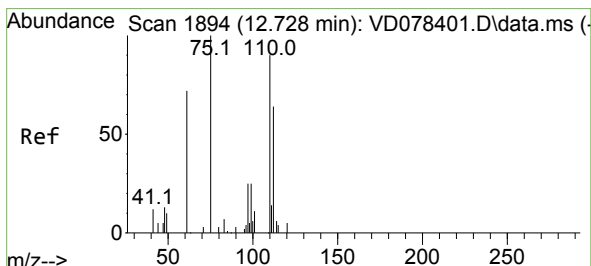
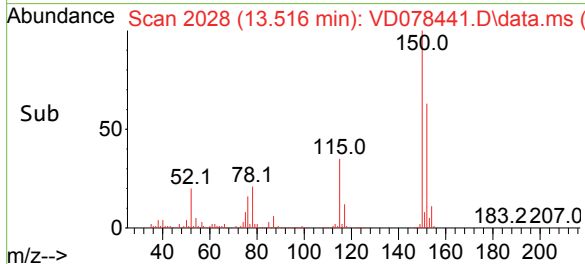
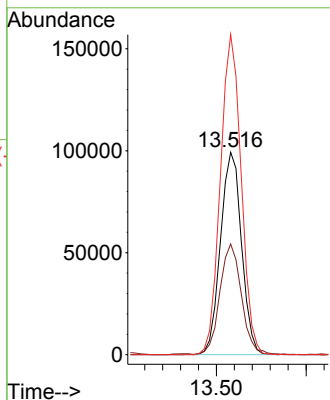
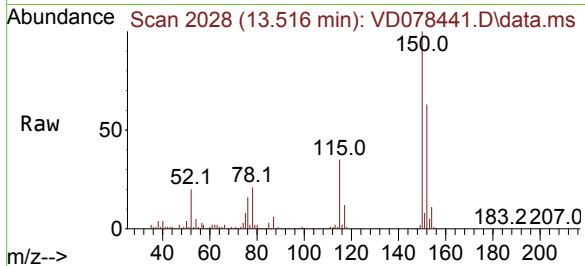




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD078441.D
 Acq: 15 Feb 2024 17:41

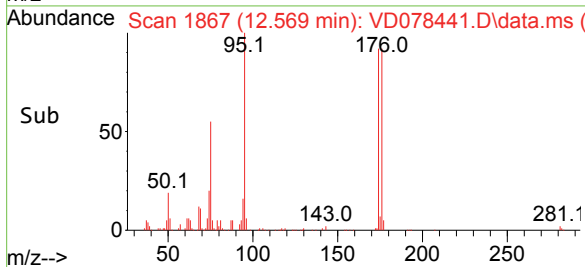
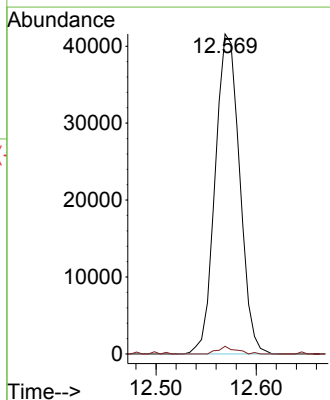
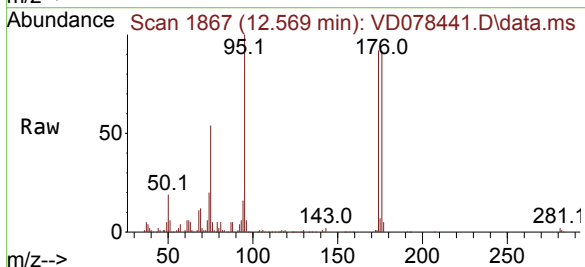
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-021424

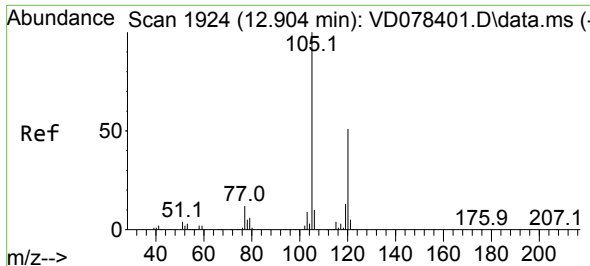
Tgt Ion:152 Resp: 161677
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.1 81.3
 150 156.0 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.271 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.159 min
 Lab File: VD078441.D
 Acq: 15 Feb 2024 17:41

Tgt Ion: 75 Resp: 70374
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

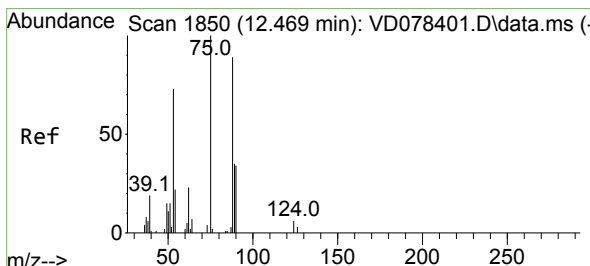
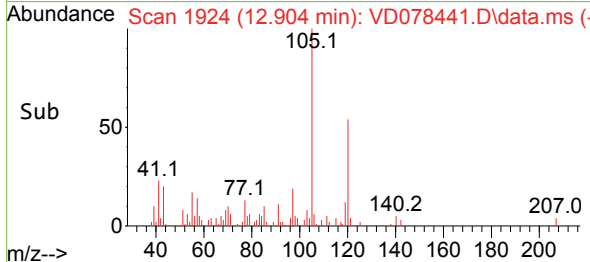
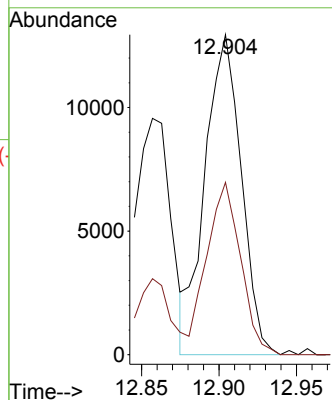
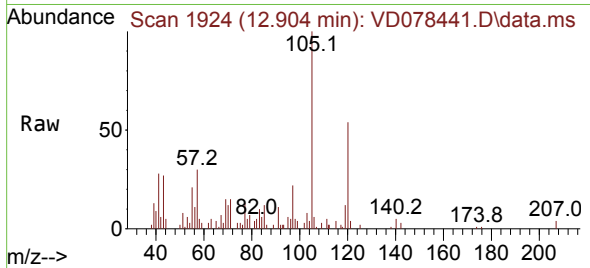




#80
1,3,5-Trimethylbenzene
Concen: 2.338 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

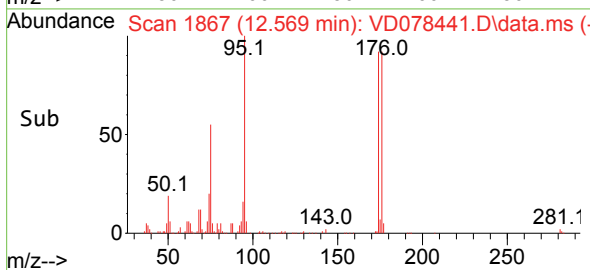
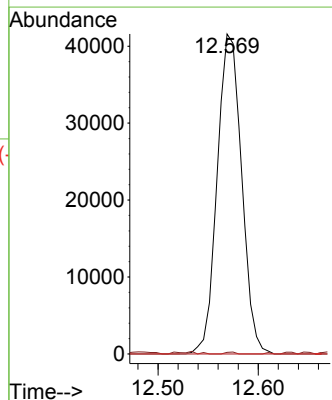
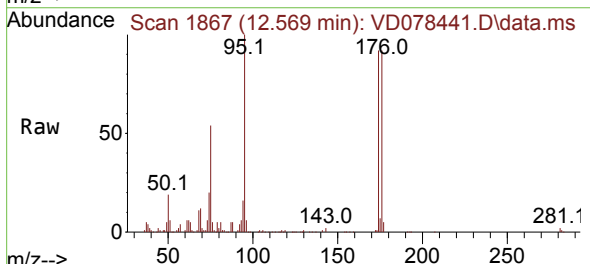
Instrument :
MSVOA_D
ClientSampleId :
TR-04-021424

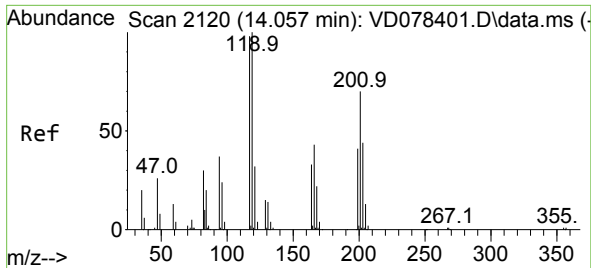
Tgt Ion:105 Resp: 21072
Ion Ratio Lower Upper
105 100
120 49.9 26.4 79.2



#81
trans-1,4-Dichloro-2-butene
Concen: 106.440 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078441.D
Acq: 15 Feb 2024 17:41

Tgt Ion: 75 Resp: 70374
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#





#90
 Hexachloroethane
 Concen: 2.037 ug/l
 RT: 14.057 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD078441.D
 Acq: 15 Feb 2024 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-021424

Tgt Ion:117 Resp: 4204
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.5 115.5#

