

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076874.D
 Acq On : 31 Jul 2023 15:03
 Operator : KP/SY
 Sample : 03797-04
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HANOVER-ST-2

Quant Time: Aug 01 02:11:24 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)

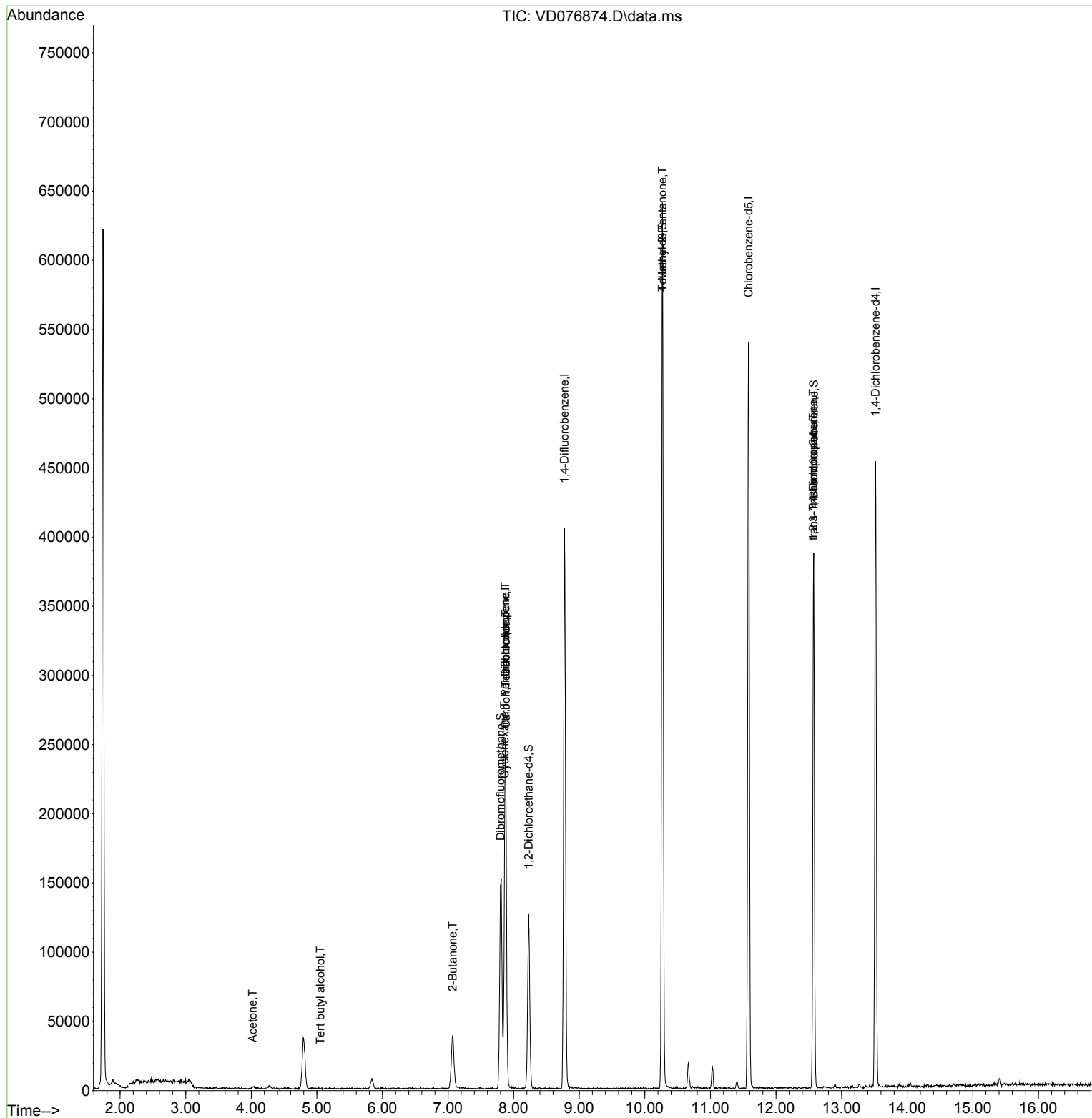
Internal Standards						
1) Pentafluorobenzene	7.875	168	195421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	369330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	121868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91565	47.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.080%
35) Dibromofluoromethane	7.799	113	115537	49.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.269	98	441771	53.208	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.420%
62) 4-Bromofluorobenzene	12.575	95	118353	44.064	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	151	1.040	ug/l	# 73
16) Acetone	4.022	43	1292	2.779	ug/l	92
20) Methylene Chloride	4.793	84	28269	Below Cal		89
25) 2-Butanone	7.069	43	1379	2.217	ug/l	# 37
31) Cyclohexane	7.863	56	4277	1.493	ug/l	# 22
36) 1,1-Dichloropropene	7.875	75	16449	5.424	ug/l	# 48
38) Carbon Tetrachloride	7.881	117	19779	6.811	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.269	43	1876	1.331	ug/l	# 1
76) 1,2,3-Trichloropropane	12.569	75	62387	53.831	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	62387	114.565	ug/l	# 17

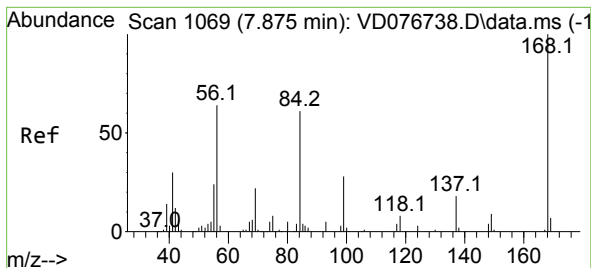
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
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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: VD076874.D

Acq: 31 Jul 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

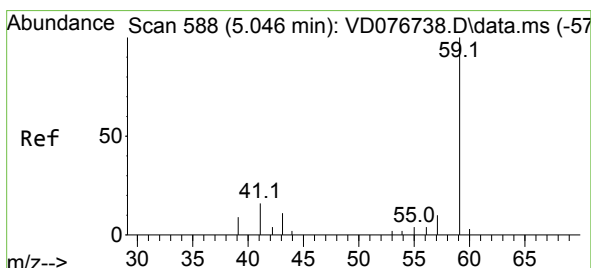
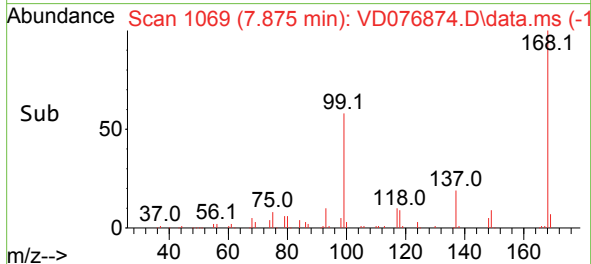
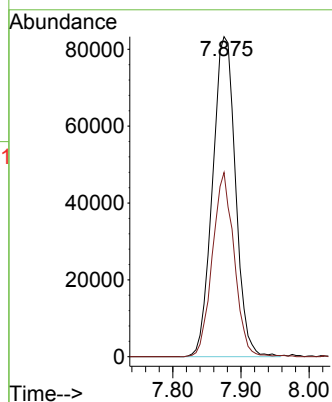
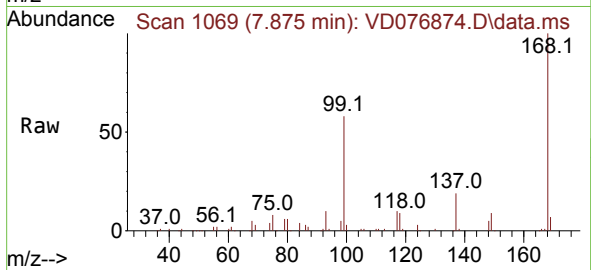
HANOVER-ST-2

Tgt Ion:168 Resp: 195421

Ion Ratio Lower Upper

168 100

99 57.5 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.040 ug/l

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD076874.D

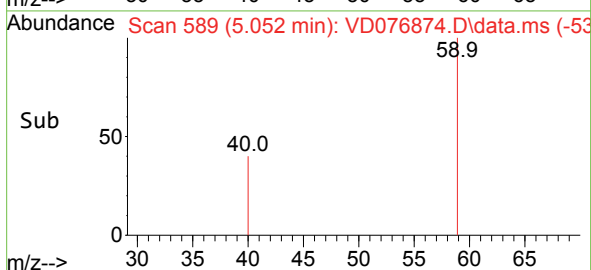
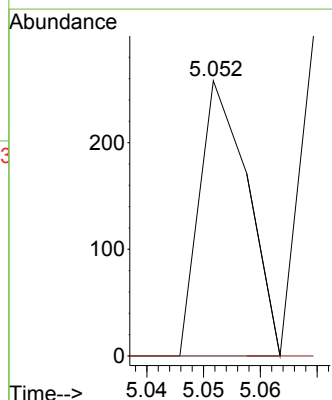
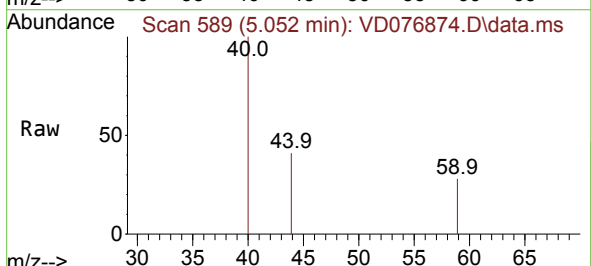
Acq: 31 Jul 2023 15:03

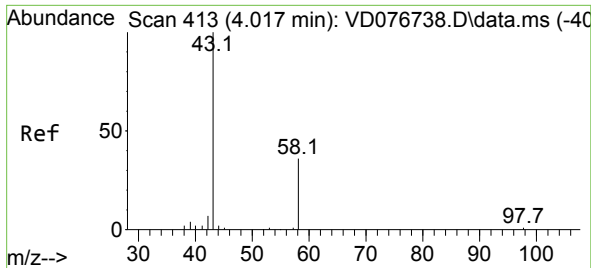
Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 2.779 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD076874.D

Acq: 31 Jul 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

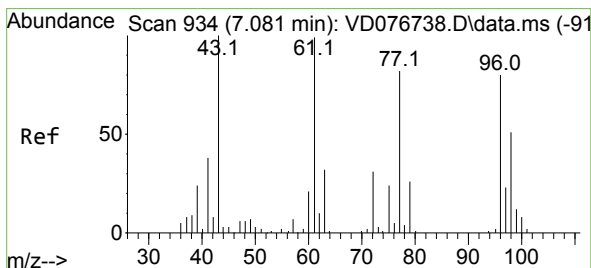
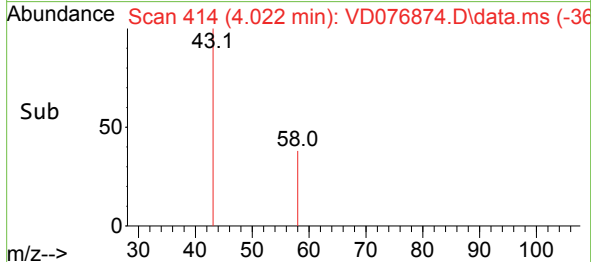
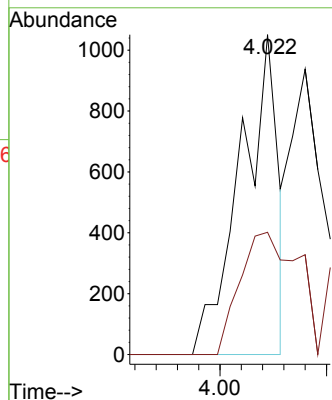
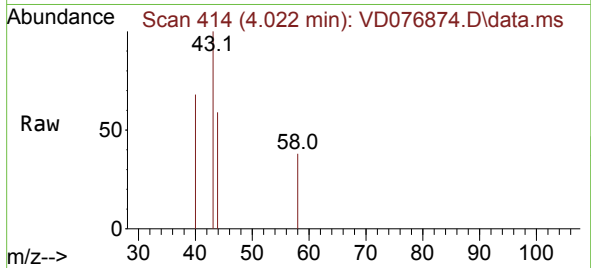
HANOVER-ST-2

Tgt Ion: 43 Resp: 1292

Ion Ratio Lower Upper

43 100

58 38.2 34.7 52.1



#25

2-Butanone

Concen: 2.217 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.012 min

Lab File: VD076874.D

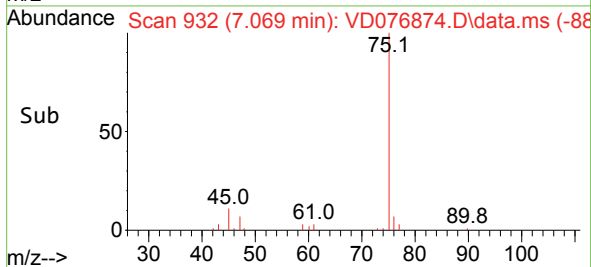
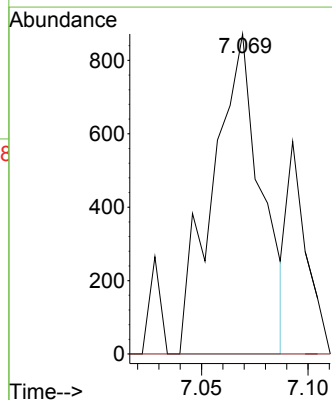
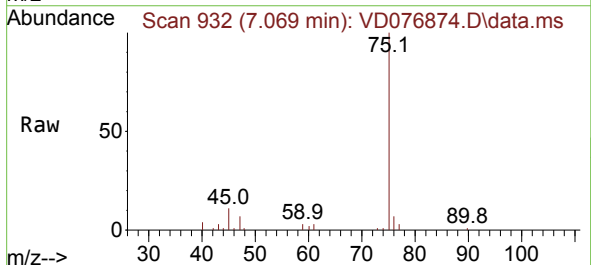
Acq: 31 Jul 2023 15:03

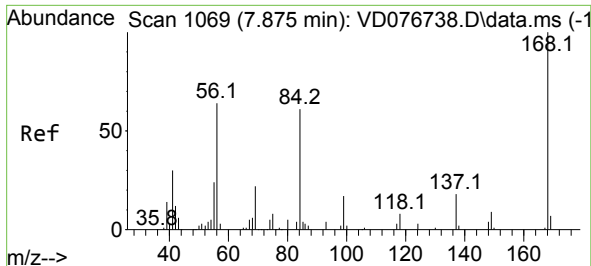
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

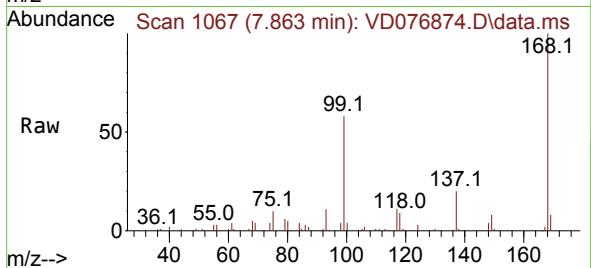
72 0.0 30.7 46.1#



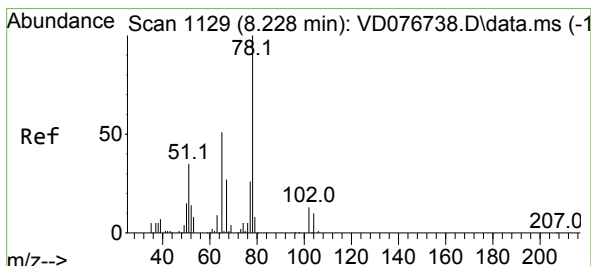
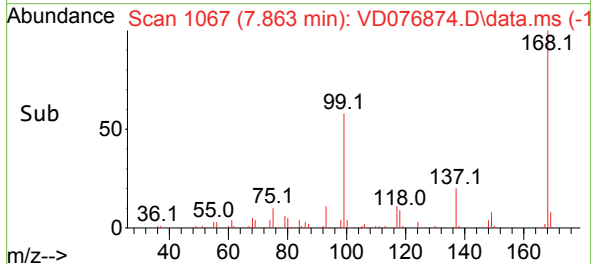
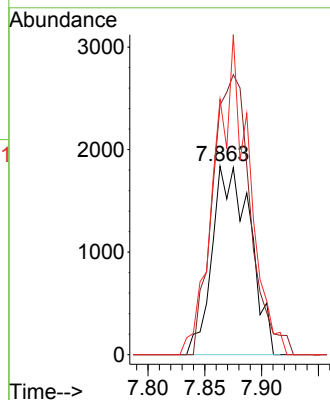


#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

Instrument :
MSVOA_D
ClientSampleId :
HANOVER-ST-2

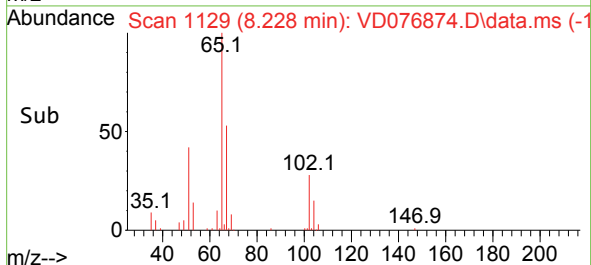
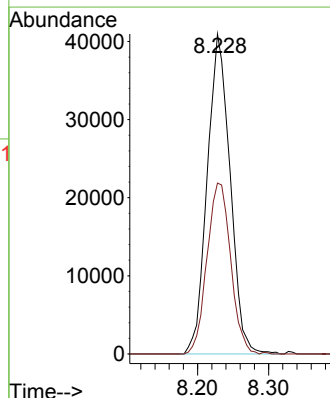
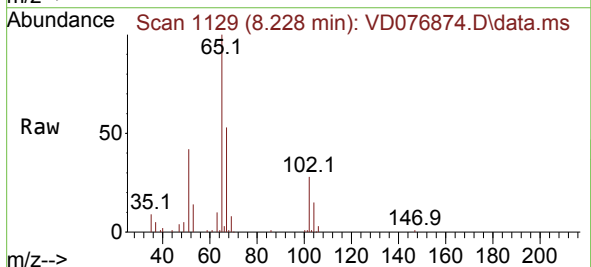


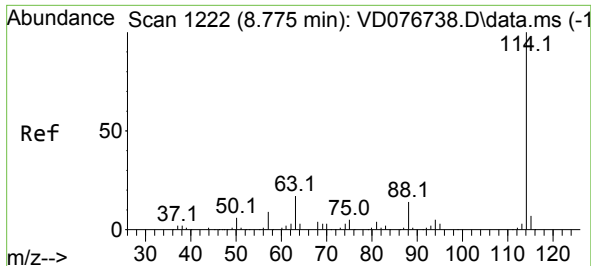
Tgt Ion: 56 Resp: 4277
Ion Ratio Lower Upper
56 100
69 132.5 28.6 43.0#
84 155.9 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 47.042 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

Tgt Ion: 65 Resp: 91565
Ion Ratio Lower Upper
65 100
67 55.3 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: VD076874.D

Acq: 31 Jul 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

HANOVER-ST-2

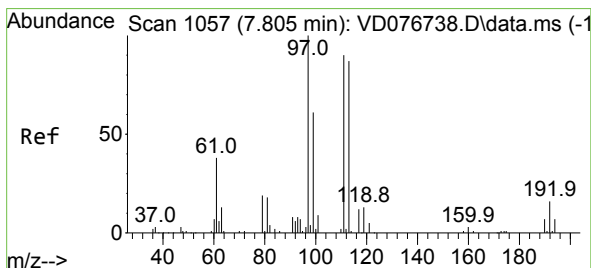
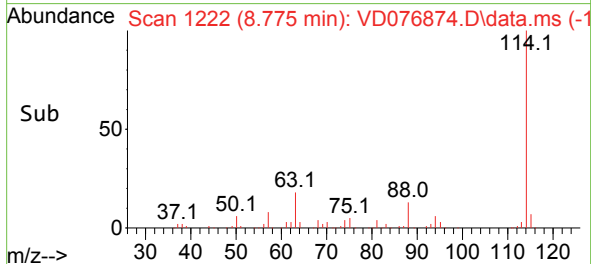
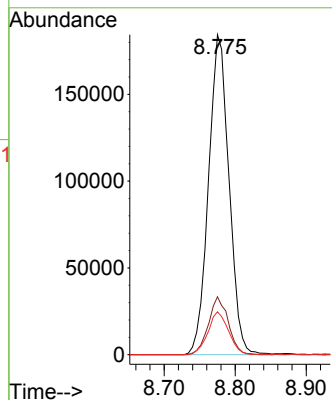
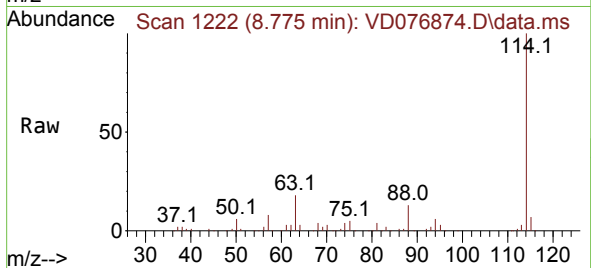
Tgt Ion:114 Resp: 369330

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 13.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.781 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076874.D

Acq: 31 Jul 2023 15:03

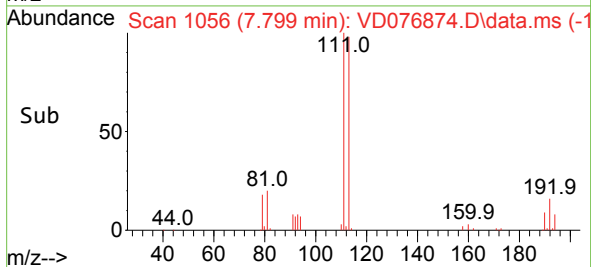
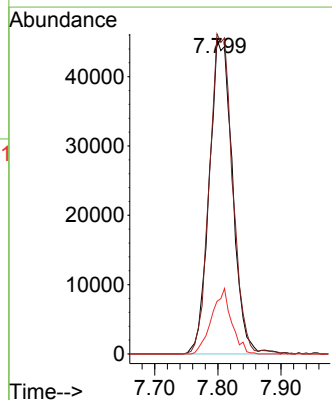
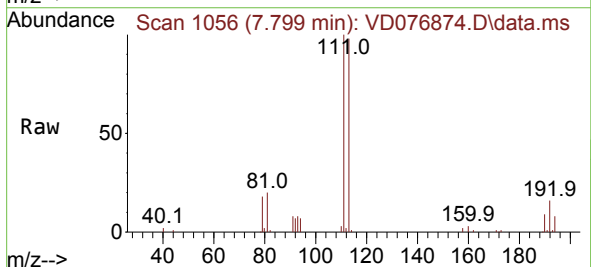
Tgt Ion:113 Resp: 115537

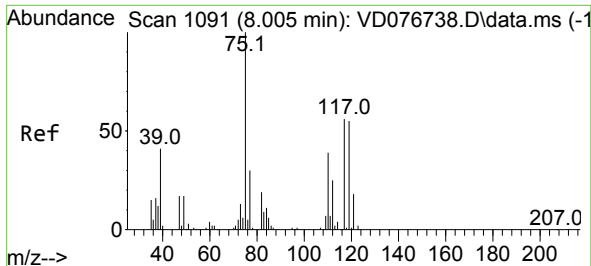
Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

192 17.8 16.8 25.2

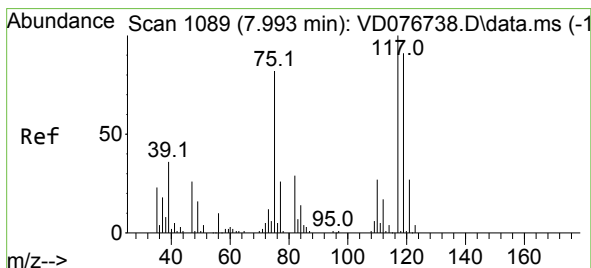
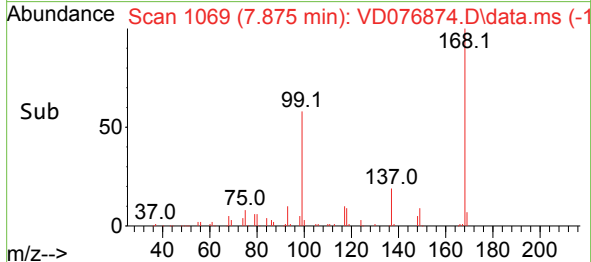
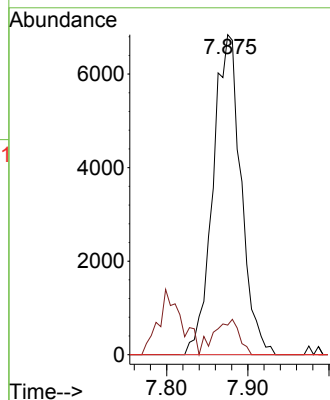
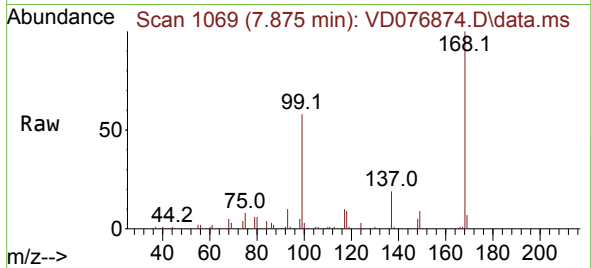




#36
1,1-Dichloropropene
Concen: 5.424 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

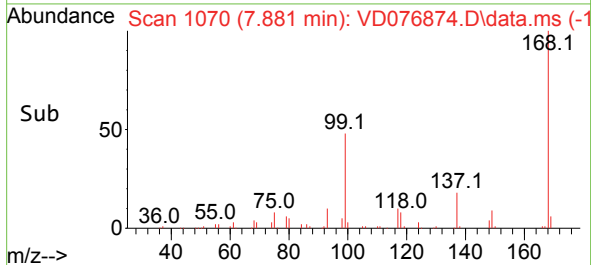
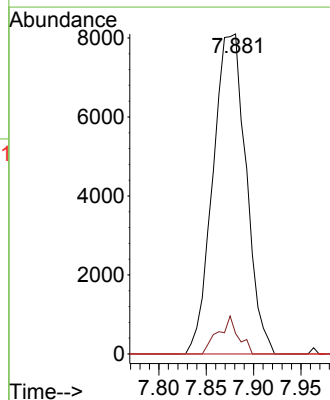
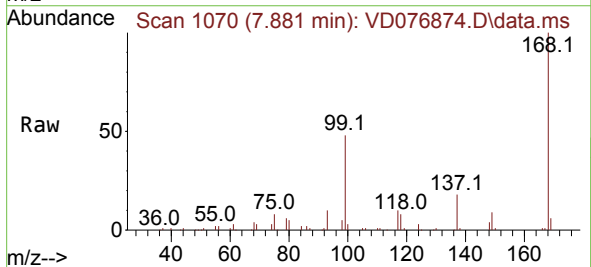
Instrument :
MSVOA_D
ClientSampleId :
HANOVER-ST-2

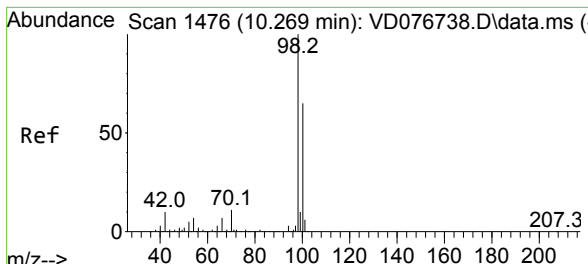
Tgt Ion: 75 Resp: 16449
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.811 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

Tgt Ion: 117 Resp: 19779
Ion Ratio Lower Upper
117 100
119 6.4 78.0 117.0#
121 0.0 24.2 36.2#



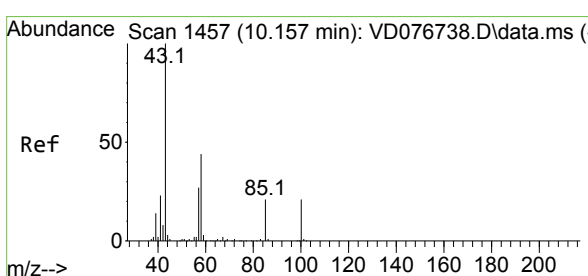
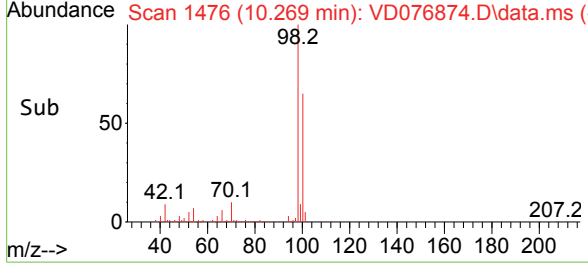
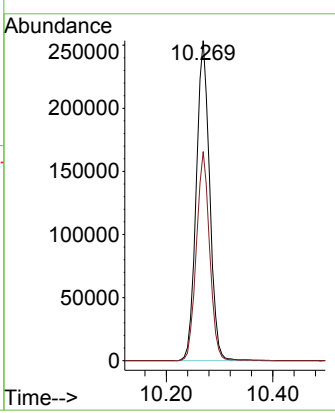
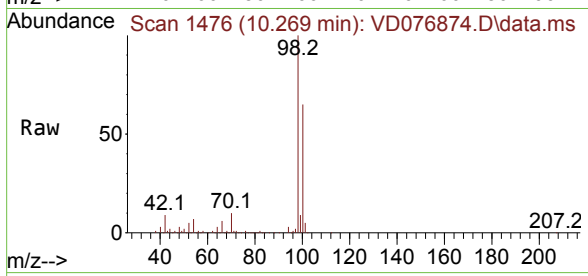


#50
Toluene-d8
Concen: 53.208 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

Instrument :
MSVOA_D
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 98 Resp: 441771

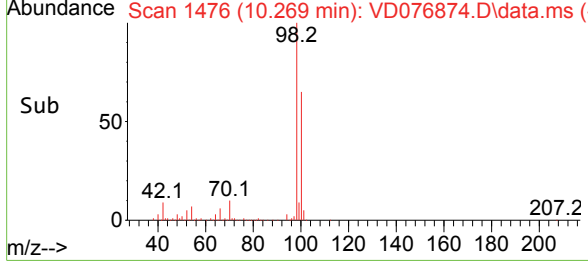
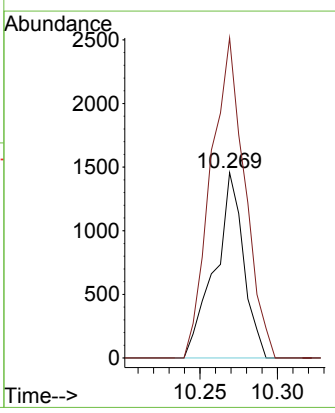
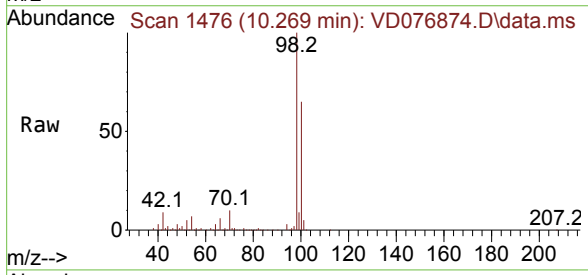
Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.3	75.5

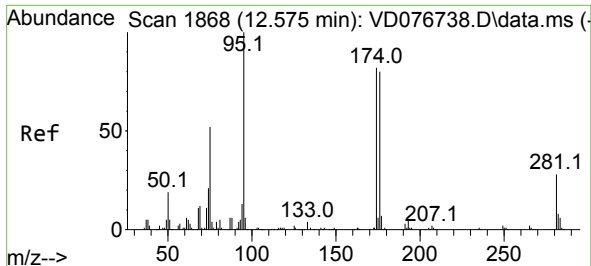


#51
4-Methyl-2-Pentanone
Concen: 1.331 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

Tgt Ion: 43 Resp: 1876

Ion	Ratio	Lower	Upper
43	100		
58	204.1	38.9	58.3#

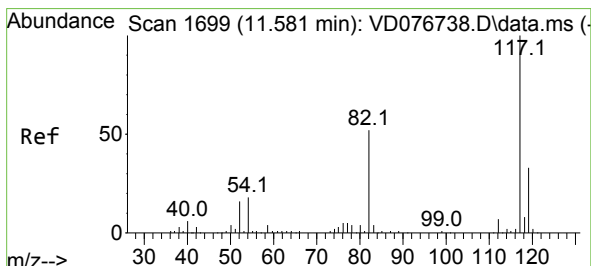
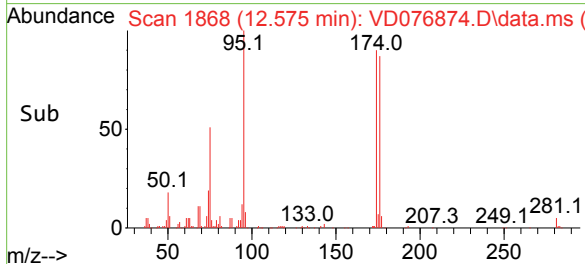
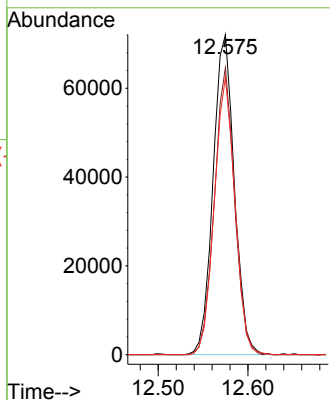
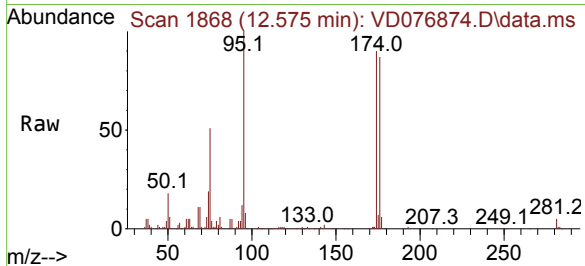




#62
4-Bromofluorobenzene
Concen: 44.064 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

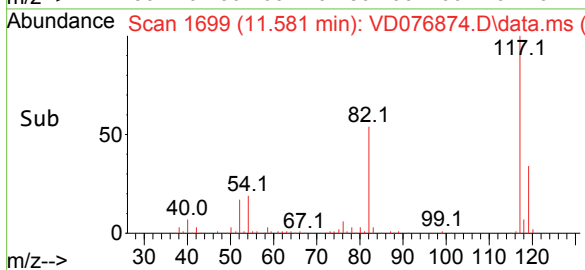
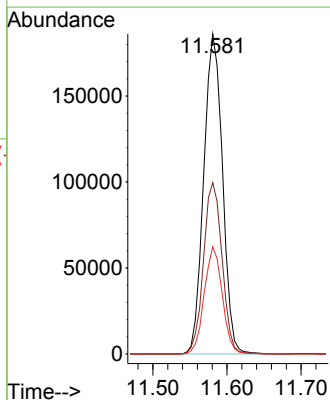
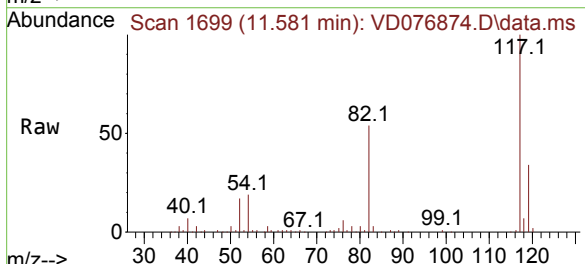
Instrument :
MSVOA_D
ClientSampleId :
HANOVER-ST-2

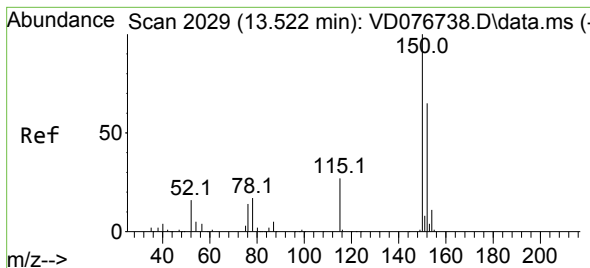
Tgt Ion: 95 Resp: 118353
Ion Ratio Lower Upper
95 100
174 85.9 0.0 201.8
176 84.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076874.D
Acq: 31 Jul 2023 15:03

Tgt Ion: 117 Resp: 327162
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 33.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD076874.D

Acq: 31 Jul 2023 15:03

Instrument :

MSVOA_D

ClientSampleId :

HANOVER-ST-2

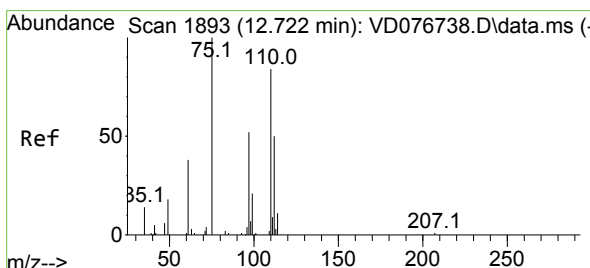
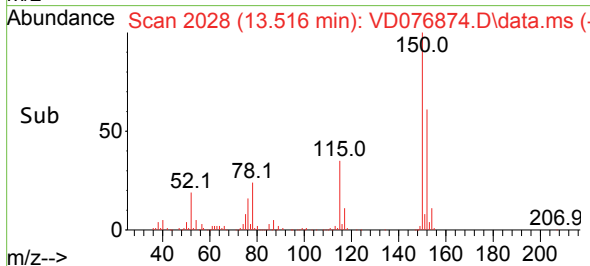
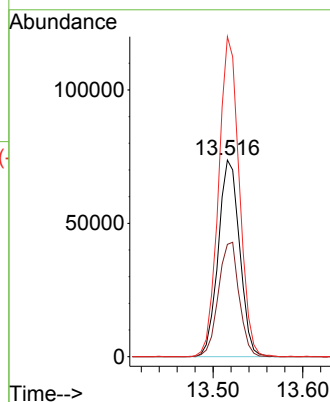
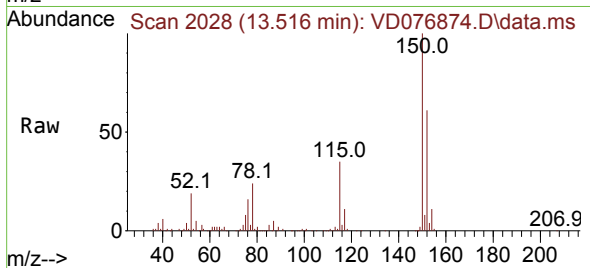
Tgt Ion:152 Resp: 121868

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 157.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.831 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD076874.D

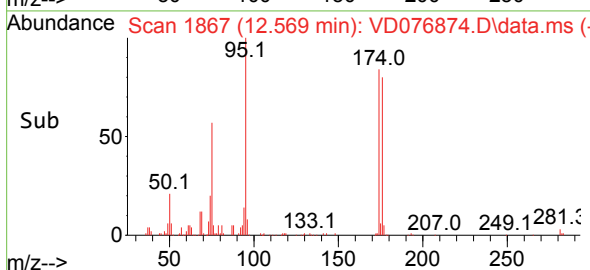
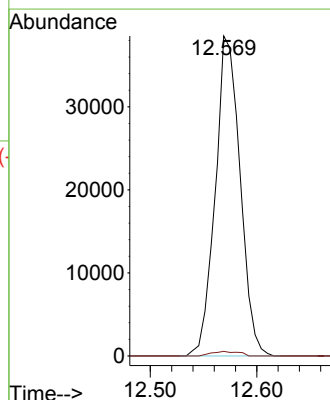
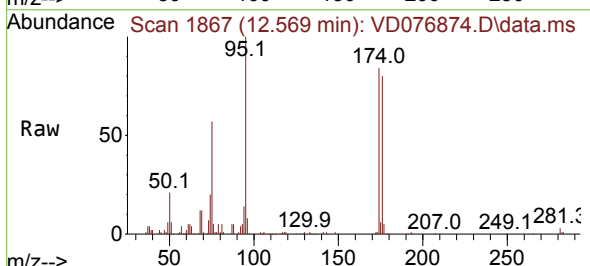
Acq: 31 Jul 2023 15:03

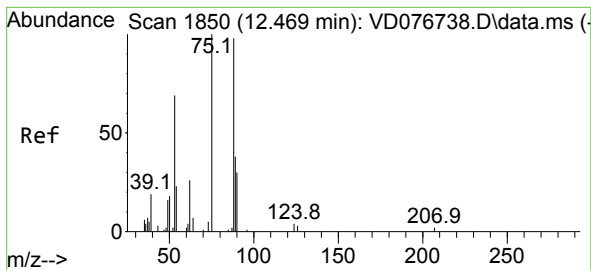
Tgt Ion: 75 Resp: 62387

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.565 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076874.D
 Acq: 31 Jul 2023 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 HANOVER-ST-2

Tgt Ion:	75	Resp:	62387
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

