

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078474.D
 Acq On : 20 Feb 2024 10:02
 Operator : RP/MD
 Sample : VD0220SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBL01

Quant Time: Feb 21 05:20:27 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)

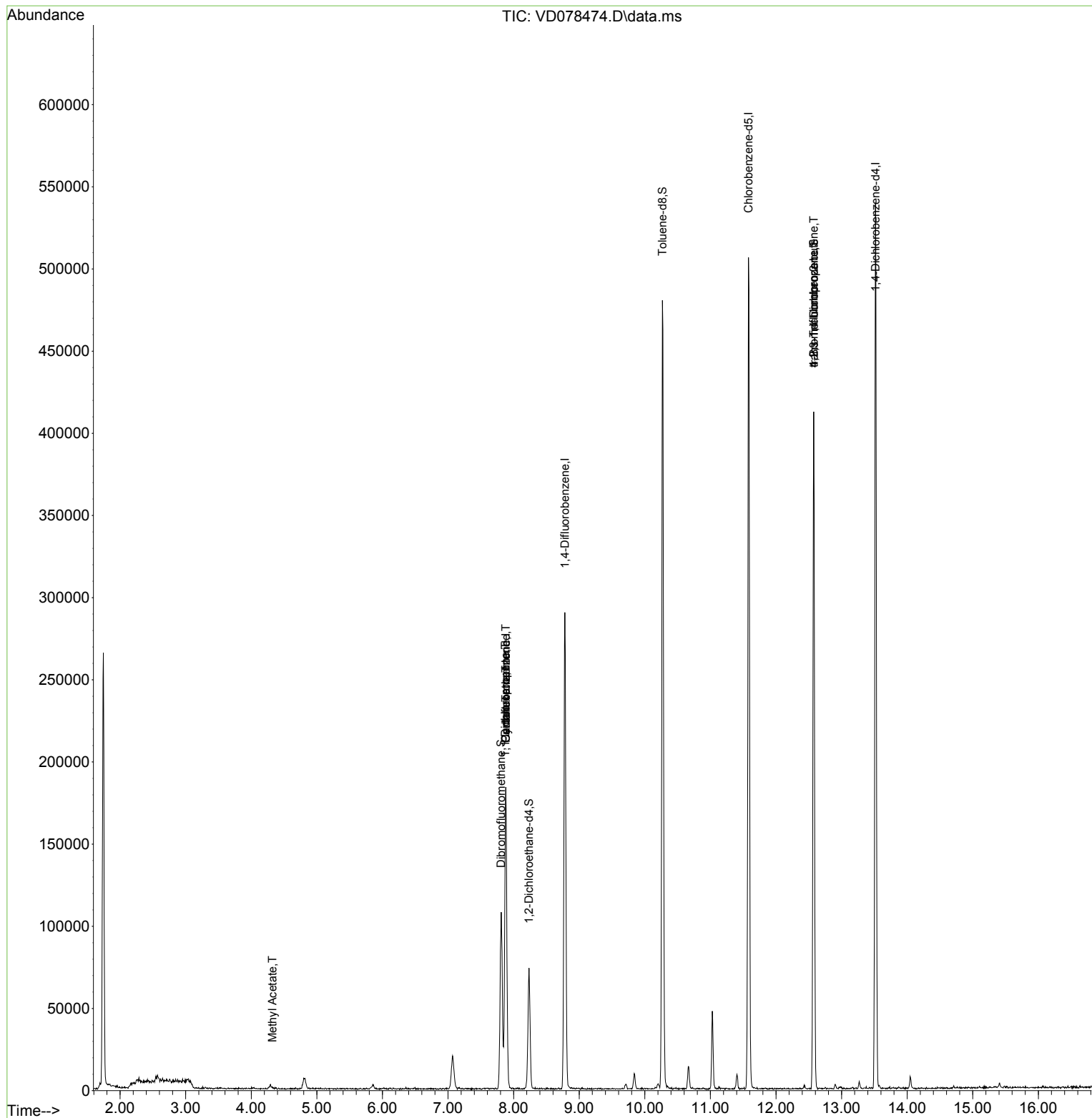
Internal Standards						
1) Pentafluorobenzene	7.881	168	143067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	272485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	304406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	53566	34.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.260%
35) Dibromofluoromethane	7.811	113	78409	45.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.600%
50) Toluene-d8	10.269	98	336677	48.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.260%
62) 4-Bromofluorobenzene	12.575	95	120217	59.664	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.320%
Target Compounds						
11) Tert butyl alcohol	5.052	59	54	Below Cal	#	73
16) Acetone	4.040	43	867	Below Cal	#	77
18) Methyl Acetate	4.322	43	269	4.166 ug/l	#	42
20) Methylene Chloride	4.805	84	3199	Below Cal		95
25) 2-Butanone	7.081	43	882	Below Cal	#	37
31) Cyclohexane	7.881	56	3238	1.237 ug/l	#	1
36) 1,1-Dichloropropene	7.875	75	11465	4.264 ug/l	#	47
38) Carbon Tetrachloride	7.881	117	14531	5.457 ug/l	#	18
76) 1,2,3-Trichloropropane	12.575	75	61780	49.296 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61780	102.340 ug/l	#	18

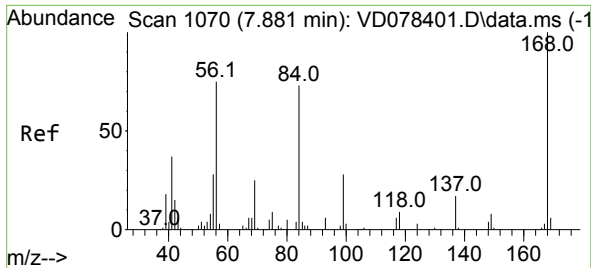
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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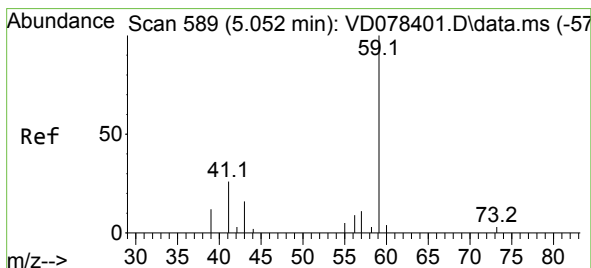
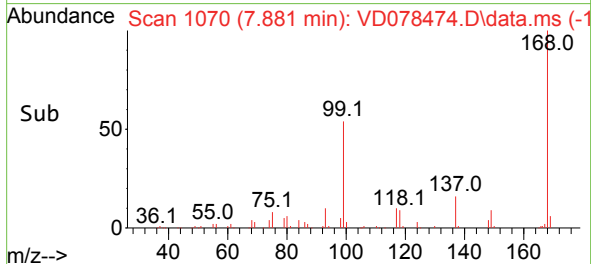
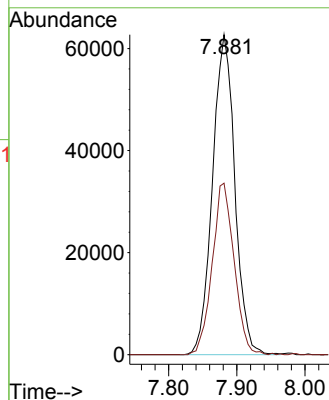
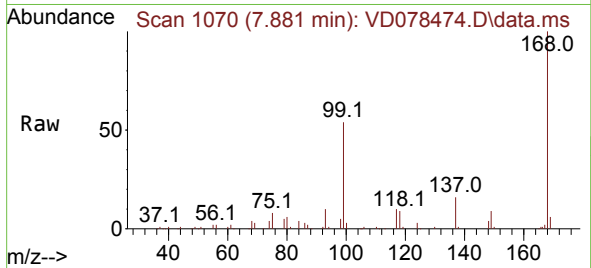




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

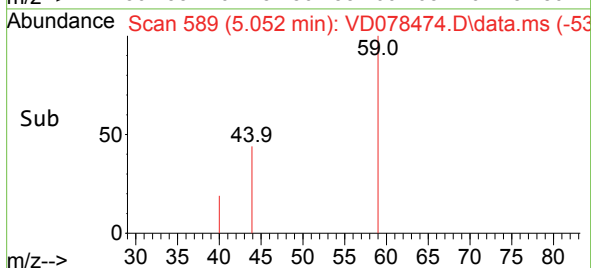
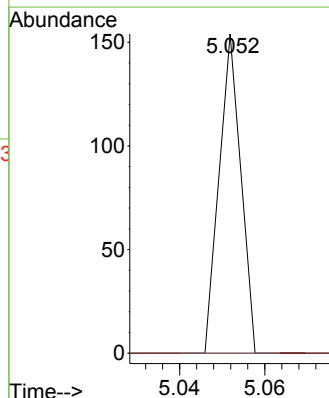
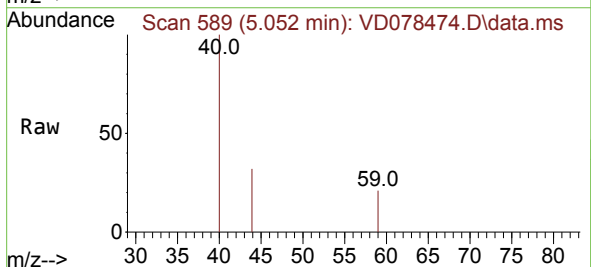
Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01

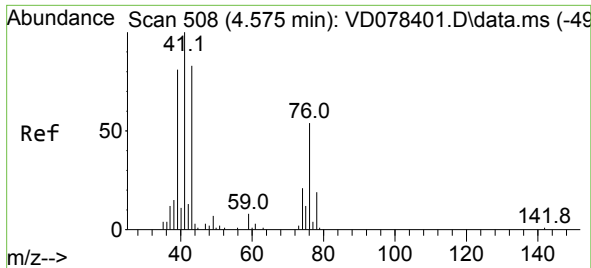
Tgt Ion:168 Resp: 143067
Ion Ratio Lower Upper
168 100
99 53.6 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 589
Delta R.T. -0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

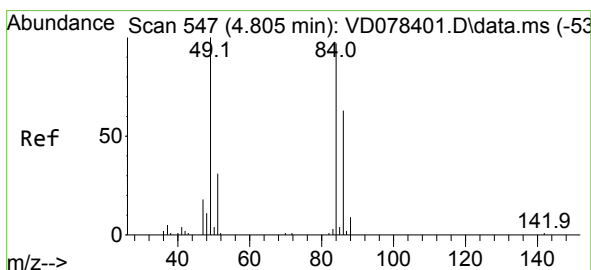
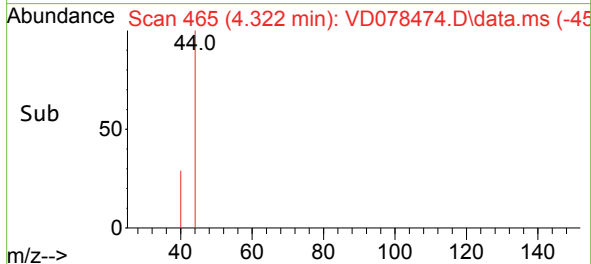
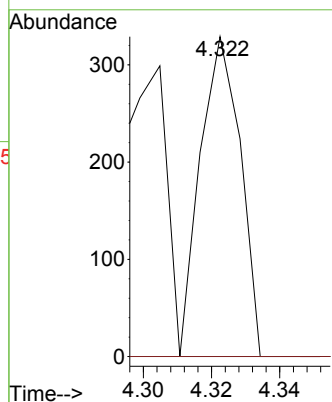
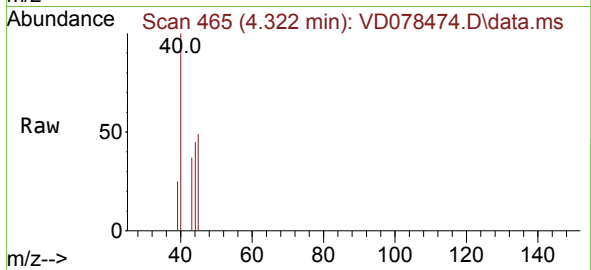




#18
Methyl Acetate
Concen: 4.166 ug/l
RT: 4.322 min Scan# 465
Delta R.T. -0.253 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

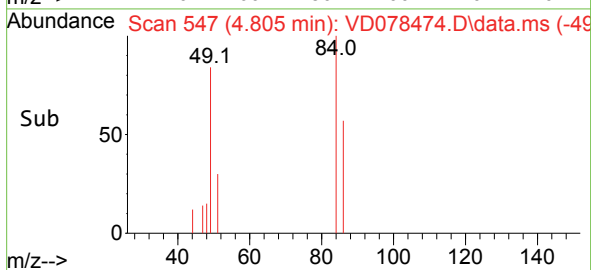
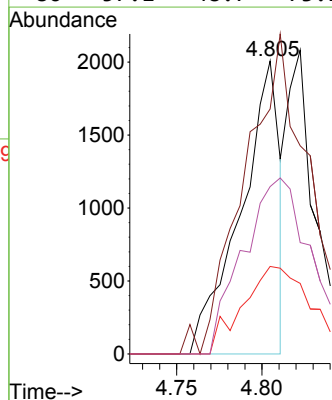
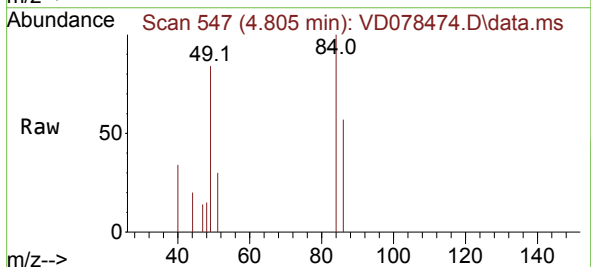
Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01

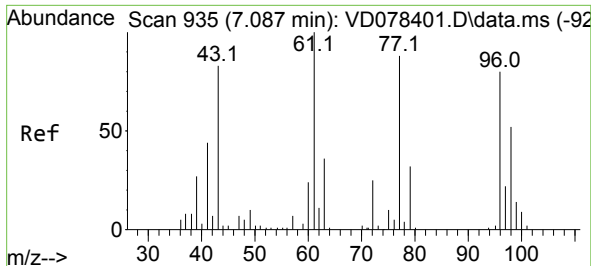
Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion: 84 Resp: 3199
Ion Ratio Lower Upper
84 100
49 83.6 71.4 107.2
51 29.9 24.5 36.7
86 57.1 48.7 73.1

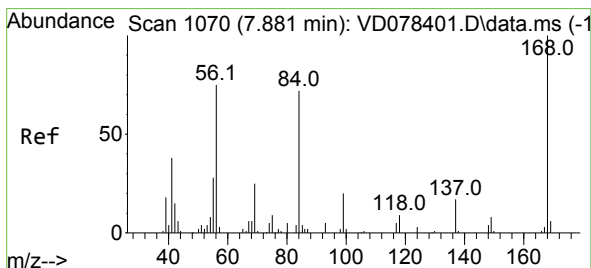
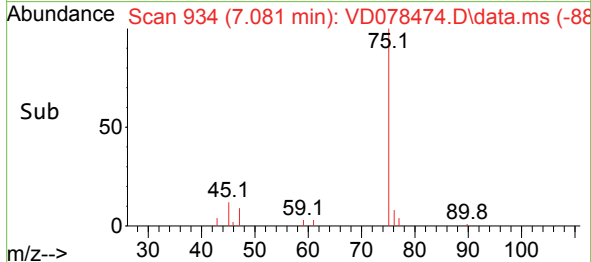
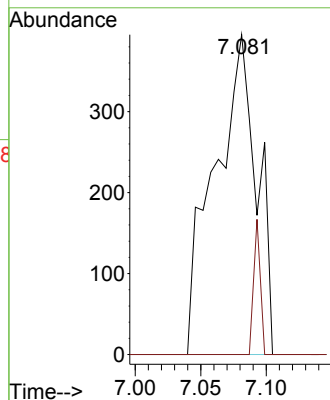
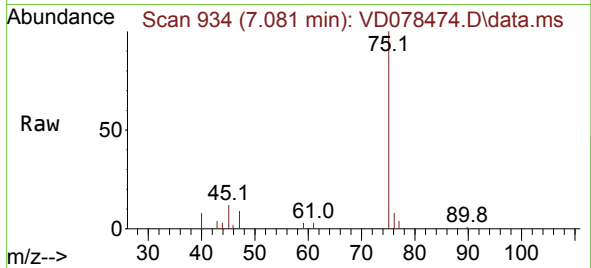




#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

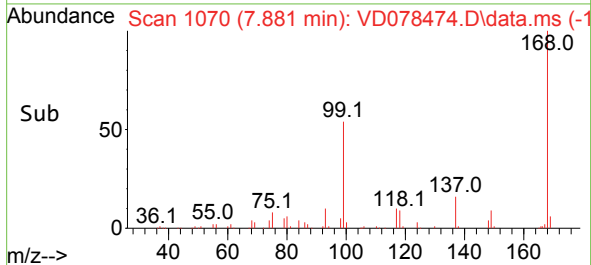
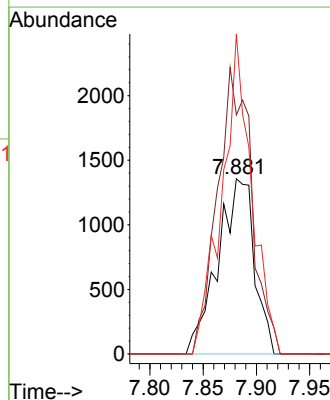
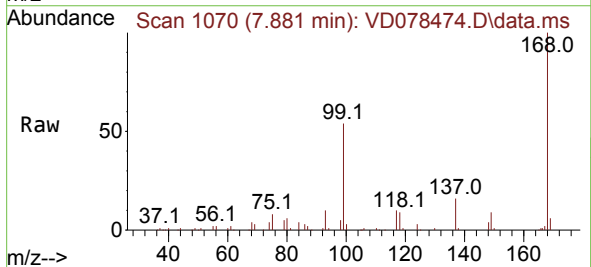
Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01

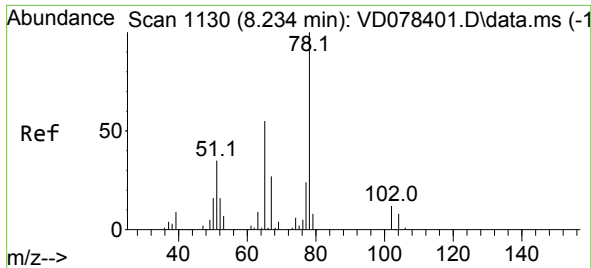
Tgt Ion: 43 Resp: 882
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion: 56 Resp: 3238
Ion Ratio Lower Upper
56 100
69 136.4 28.6 43.0#
84 182.6 84.8 127.2#

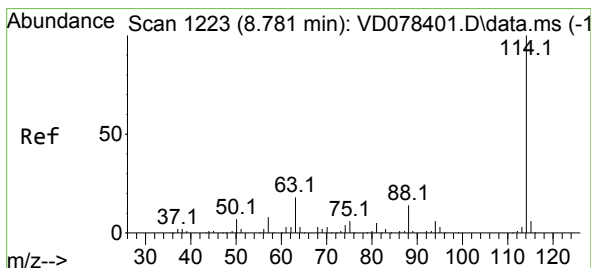
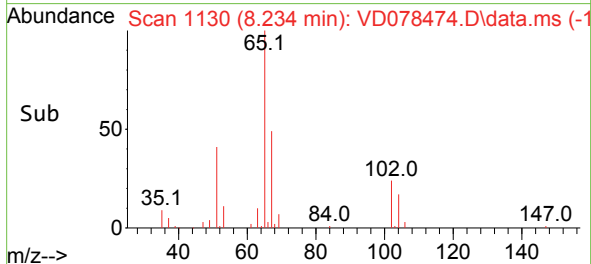
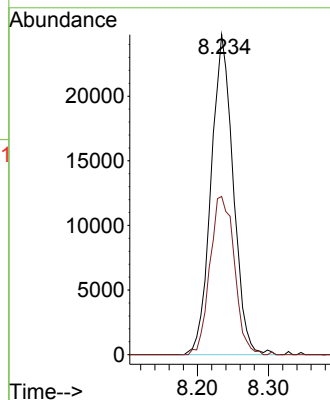
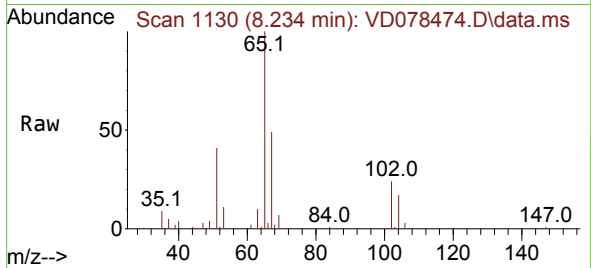




#33
 1,2-Dichloroethane-d4
 Concen: 34.628 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078474.D
 Acq: 20 Feb 2024 10:02

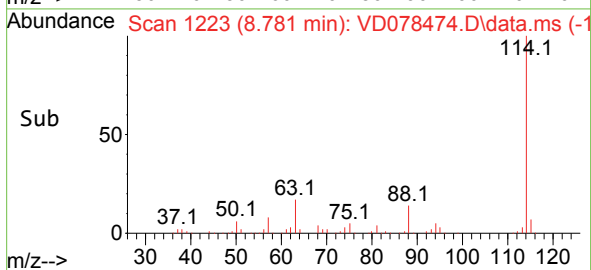
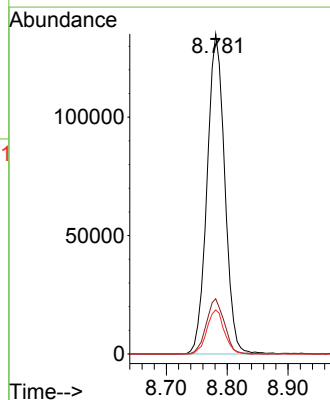
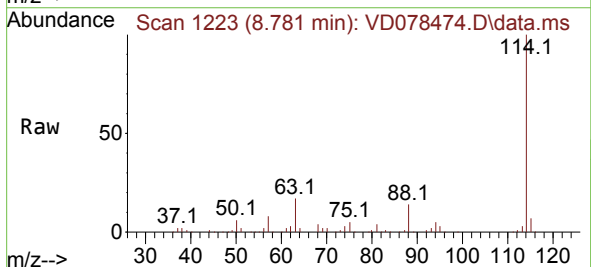
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBL01

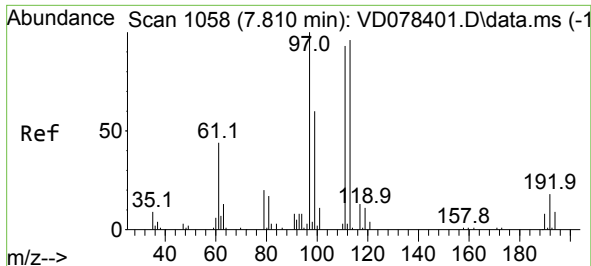
Tgt Ion: 65 Resp: 53566
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078474.D
 Acq: 20 Feb 2024 10:02

Tgt Ion: 114 Resp: 272485
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.4
 88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 45.300 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078474.D

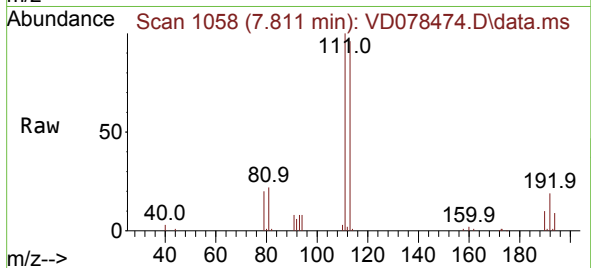
Acq: 20 Feb 2024 10:02

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBL01



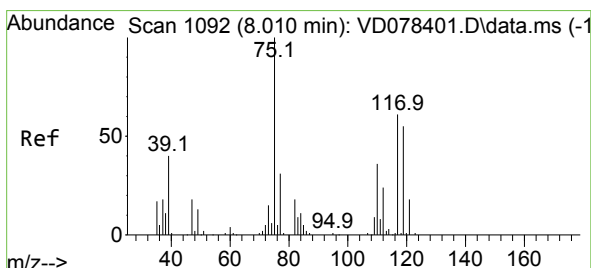
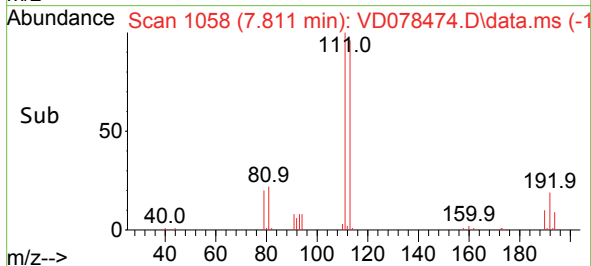
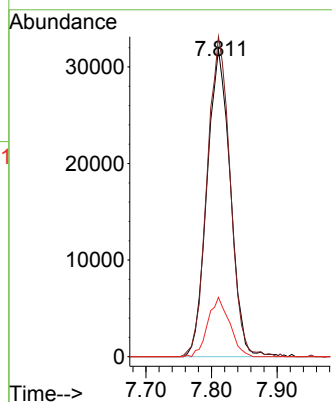
Tgt Ion:113 Resp: 78409

Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 18.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.264 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078474.D

Acq: 20 Feb 2024 10:02

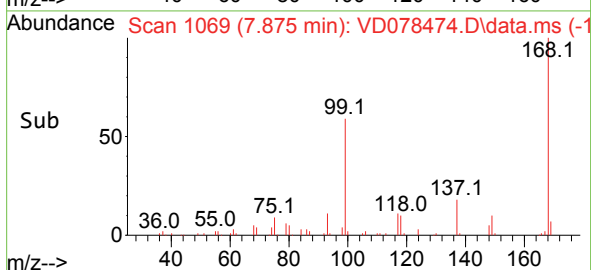
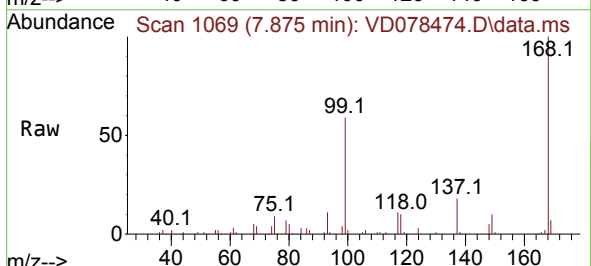
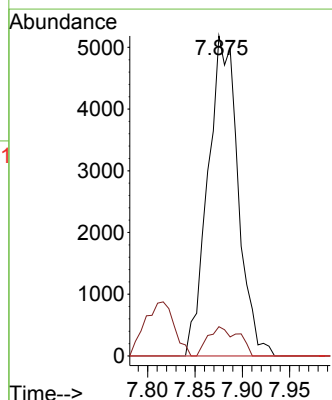
Tgt Ion: 75 Resp: 11465

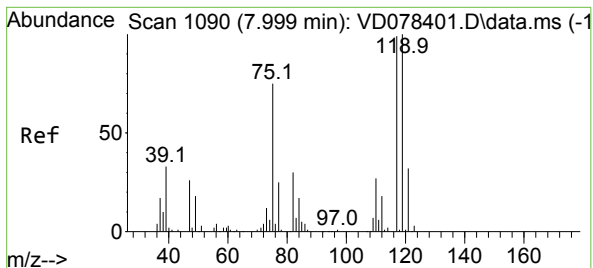
Ion Ratio Lower Upper

75 100

110 9.1 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.457 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.118 min

Lab File: VD078474.D

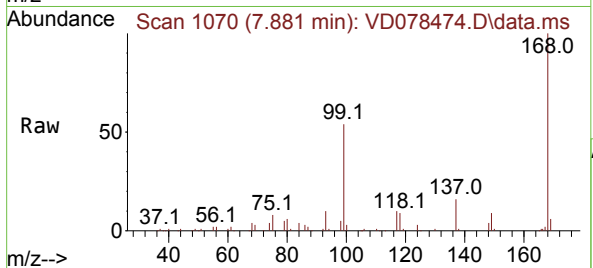
Acq: 20 Feb 2024 10:02

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBL01



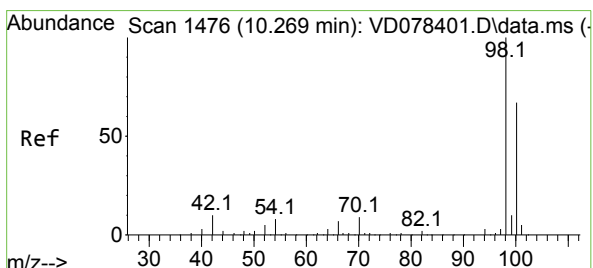
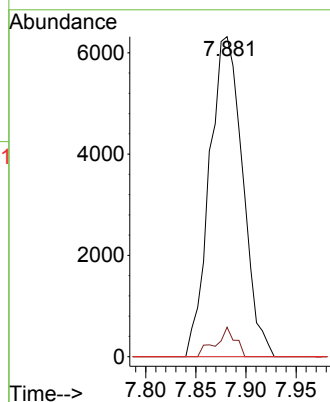
Tgt Ion:117 Resp: 14531

Ion Ratio Lower Upper

117 100

119 9.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.625 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078474.D

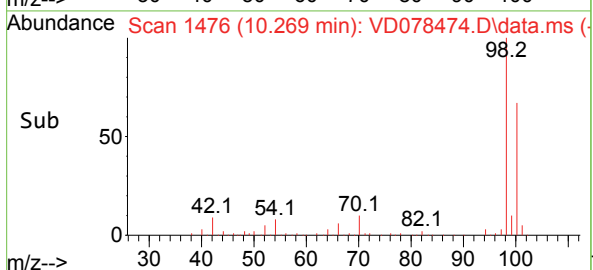
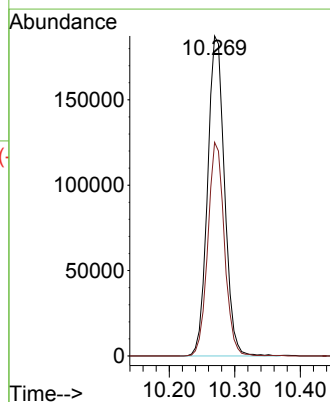
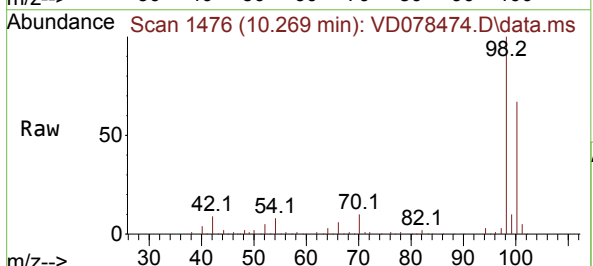
Acq: 20 Feb 2024 10:02

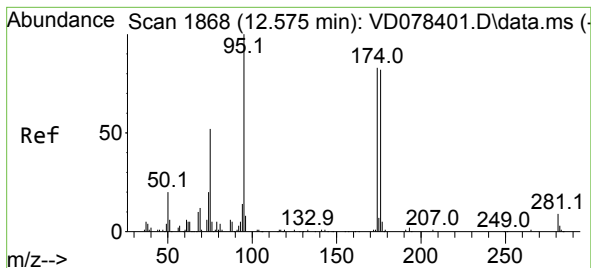
Tgt Ion: 98 Resp: 336677

Ion Ratio Lower Upper

98 100

100 65.4 50.3 75.5

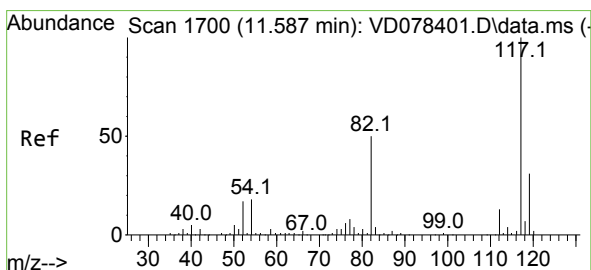
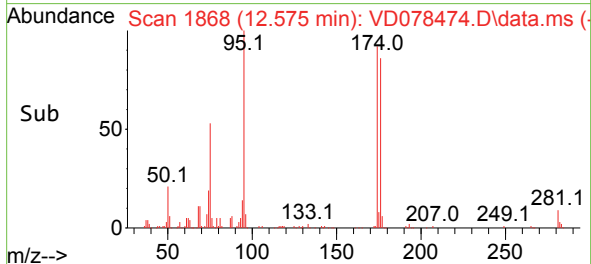
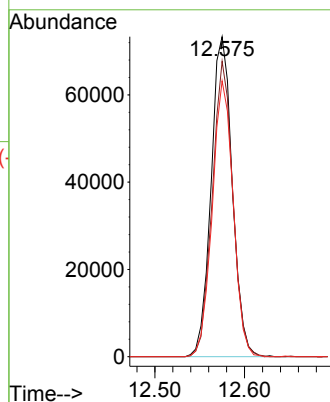
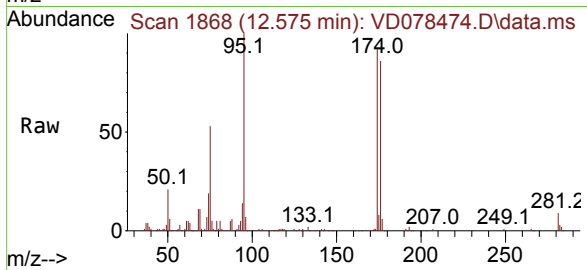




#62
4-Bromofluorobenzene
Concen: 59.664 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

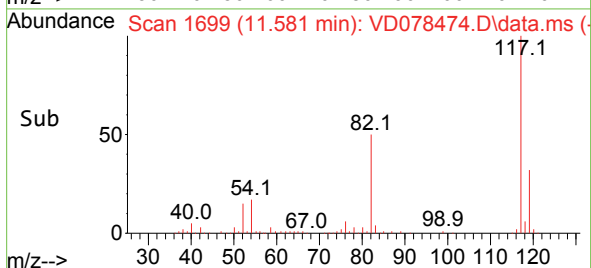
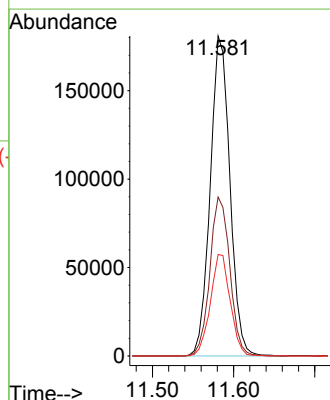
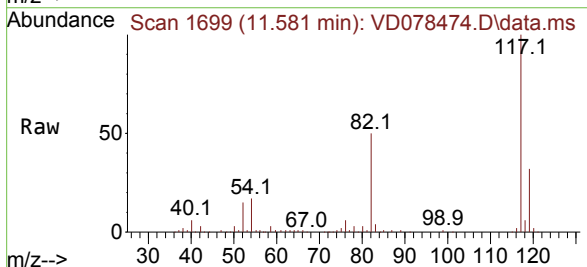
Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01

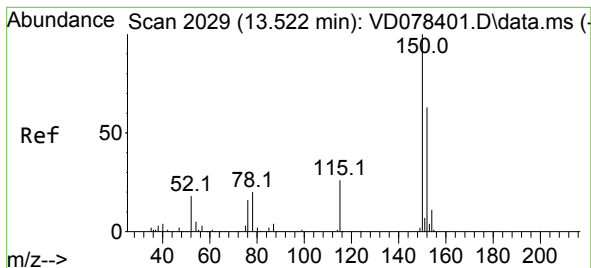
Tgt Ion: 95 Resp: 120217
Ion Ratio Lower Upper
95 100
174 89.9 0.0 201.8
176 84.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion: 117 Resp: 304406
Ion Ratio Lower Upper
117 100
82 49.7 38.3 57.5
119 31.7 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: VD078474.D

Acq: 20 Feb 2024 10:02

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBL01

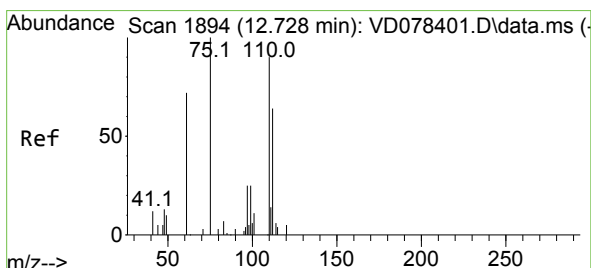
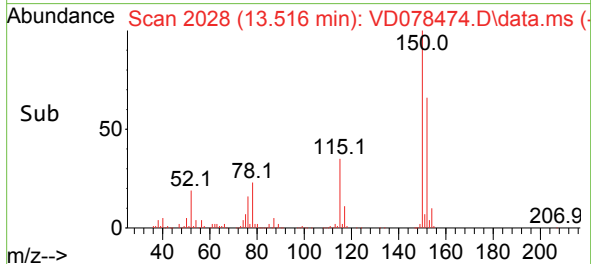
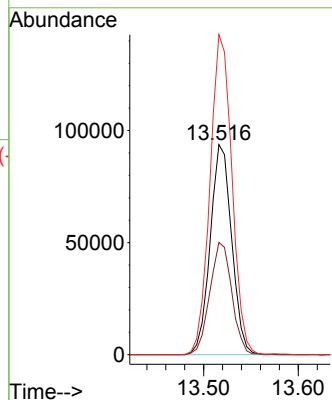
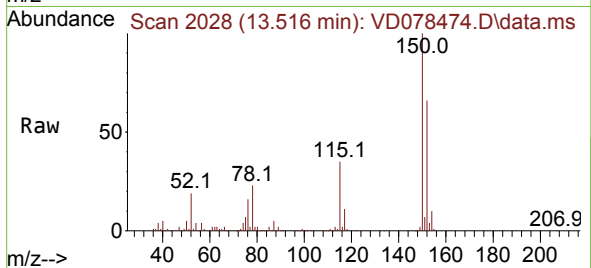
Tgt Ion:152 Resp: 147619

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.3

150 155.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.296 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078474.D

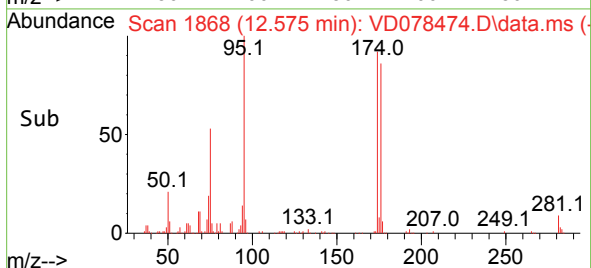
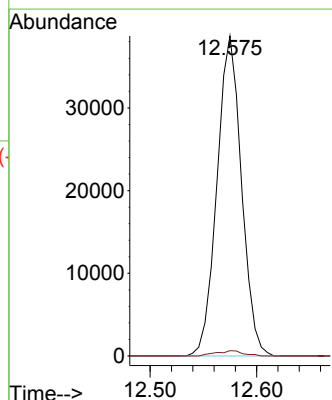
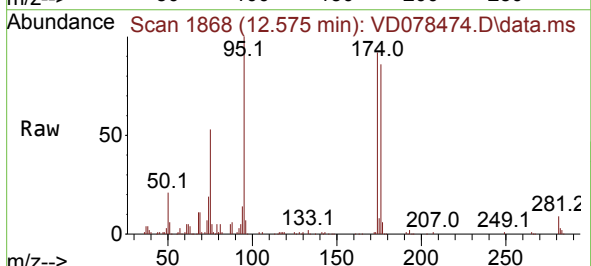
Acq: 20 Feb 2024 10:02

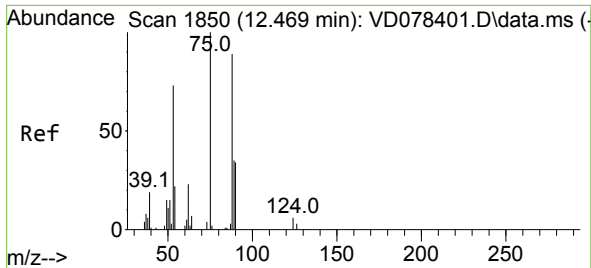
Tgt Ion: 75 Resp: 61780

Ion Ratio Lower Upper

75 100

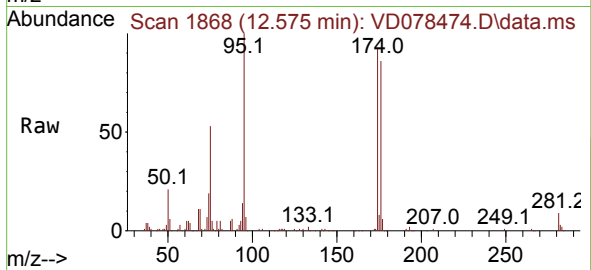
77 1.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 102.340 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01



Tgt Ion:	75	Resp:	61780
Ion	Ratio	Lower	Upper
75	100		
53	0.2	63.0	94.4#
89	0.1	37.9	56.9#

