

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077165.D
 Acq On : 20 Sep 2023 14:25
 Operator : JC/SY
 Sample : 04515-01
 Misc : 5.17G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:23:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

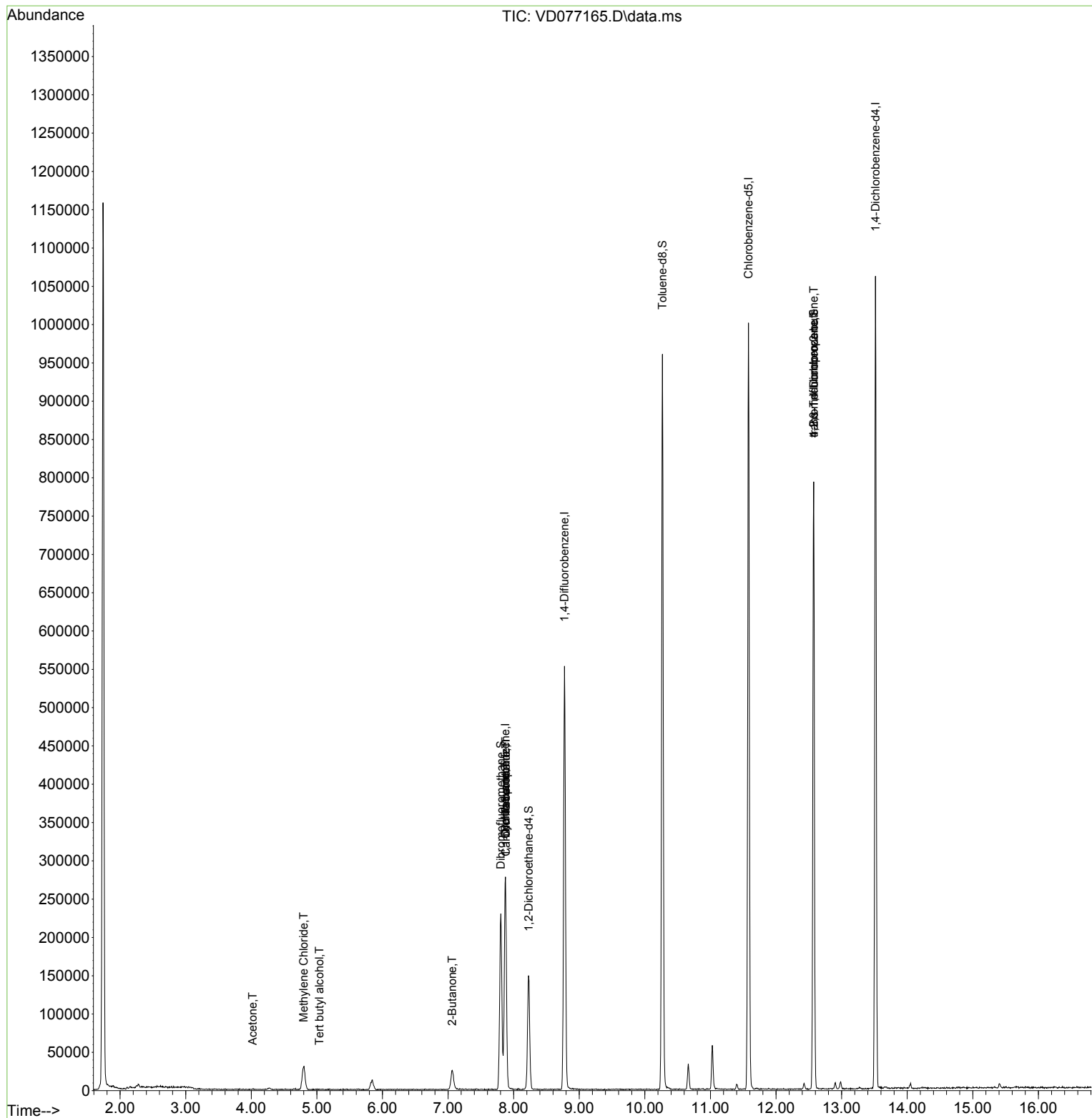
Internal Standards						
1) Pentafluorobenzene	7.875	168	221986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	506434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	599699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	290810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	113994	50.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.760%	
35) Dibromofluoromethane	7.804	113	163330	46.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.860%	
50) Toluene-d8	10.269	98	668126	53.361	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.720%	
62) 4-Bromofluorobenzene	12.575	95	235760	60.751	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 121.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	270	2.114	ug/l #	73
16) Acetone	4.022	43	660	1.289	ug/l #	32
20) Methylene Chloride	4.799	84	25397	1.538	ug/l #	89
25) 2-Butanone	7.063	43	1054	1.565	ug/l #	37
31) Cyclohexane	7.869	56	4045	1.032	ug/l #	25
36) 1,1-Dichloropropene	7.881	75	16553	3.125	ug/l #	47
38) Carbon Tetrachloride	7.881	117	20909	4.016	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	122056	52.617	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	122056	99.593	ug/l #	17

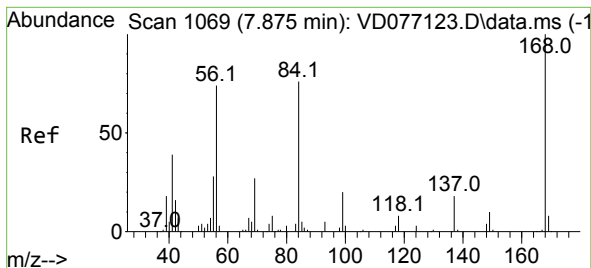
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077165.D

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Instrument :

MSVOA_D

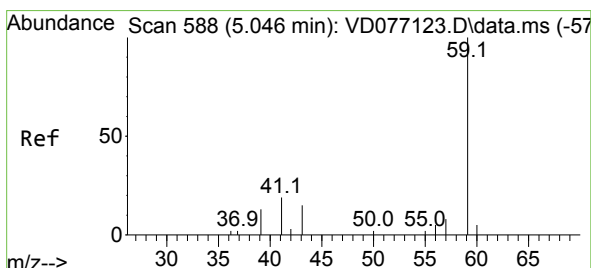
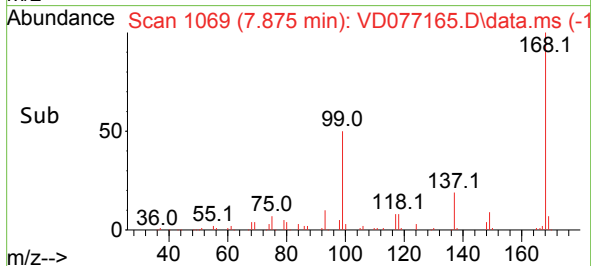
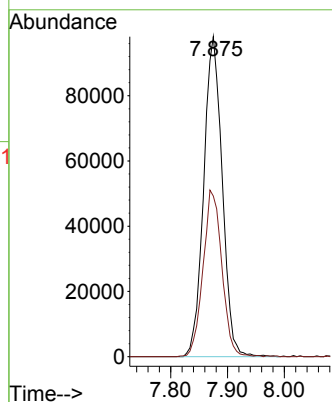
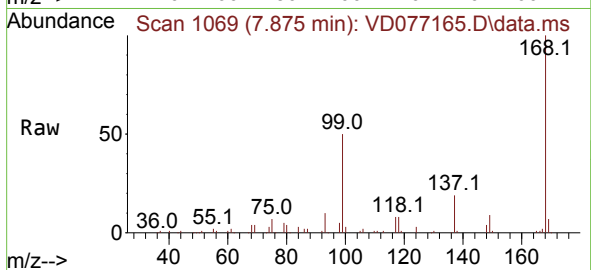
ClientSampleId :

Tgt Ion:168 Resp: 221986

Ion Ratio Lower Upper

168 100

99 50.2 36.7 55.1



#11

Tert butyl alcohol

Concen: 2.114 ug/l

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD077165.D

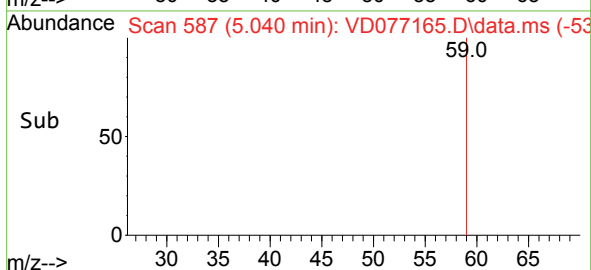
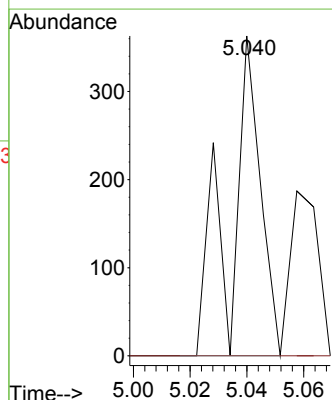
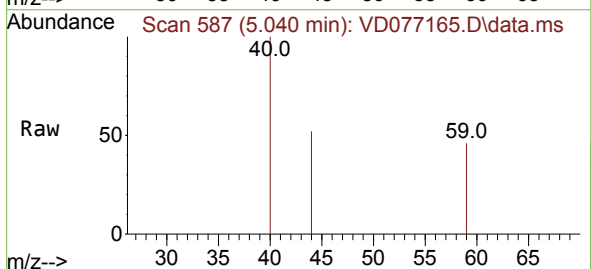
Acq: 20 Sep 2023 14:25

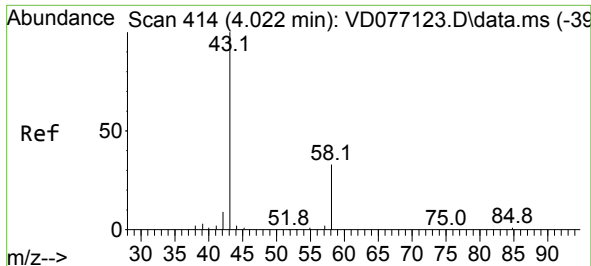
Tgt Ion: 59 Resp: 270

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 1.289 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Instrument :

MSVOA_D

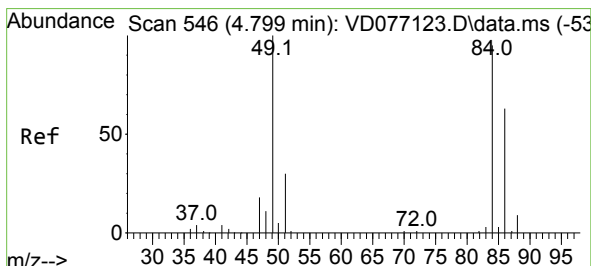
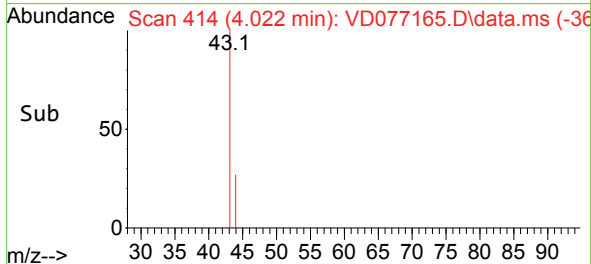
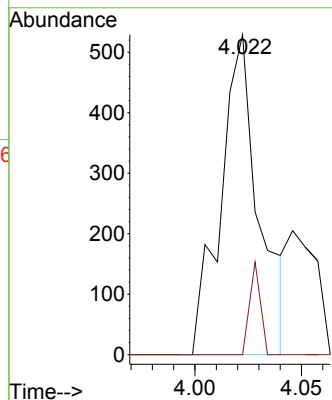
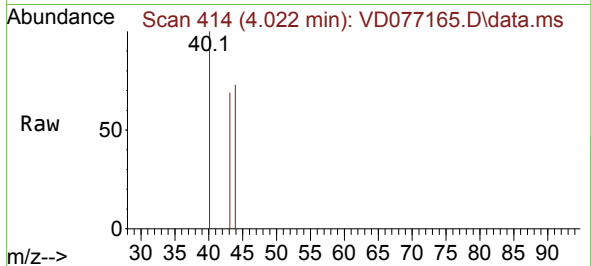
ClientSampleId :

Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: 1.538 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Tgt Ion: 84 Resp: 25397

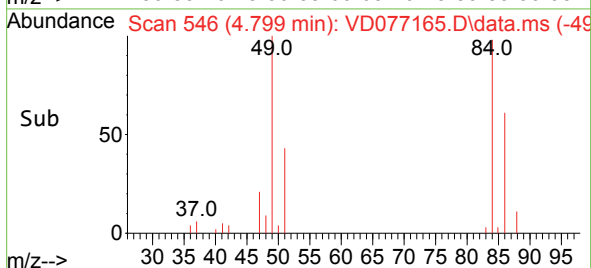
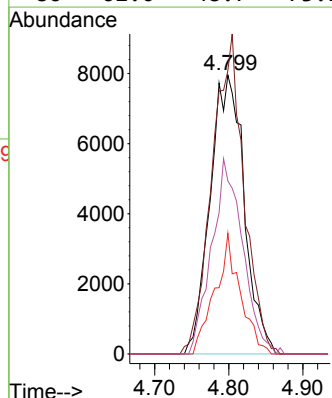
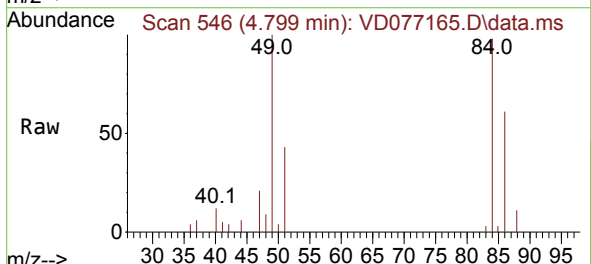
Ion Ratio Lower Upper

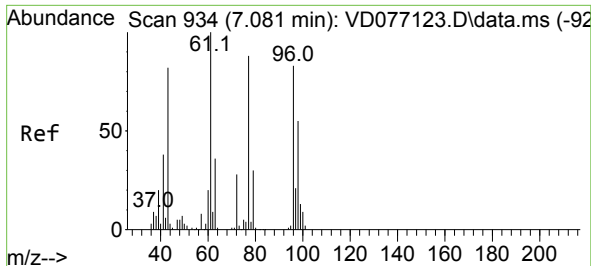
84 100

49 101.6 71.4 107.2

51 43.2 24.5 36.7#

86 62.0 48.7 73.1

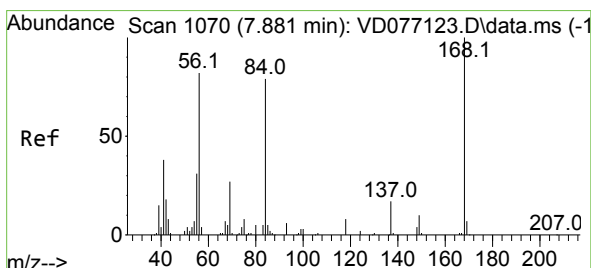
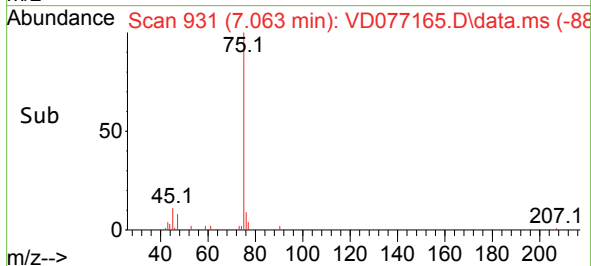
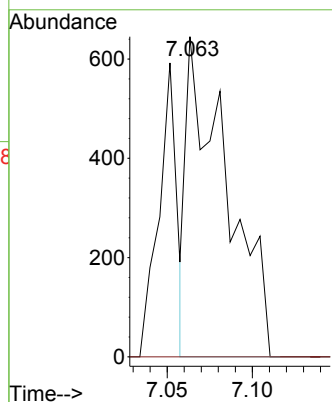
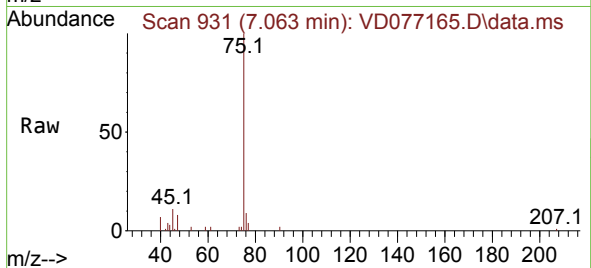




#25
2-Butanone
Concen: 1.565 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

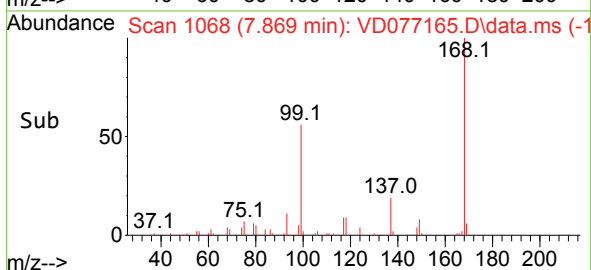
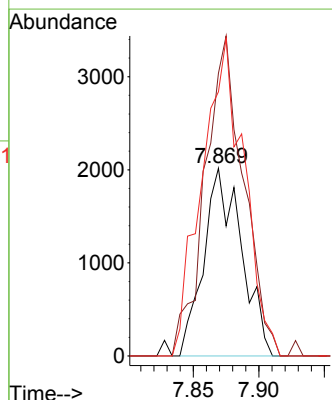
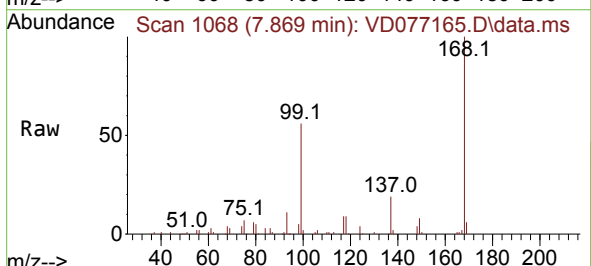
Instrument :
MSVOA_D
ClientSampleId :

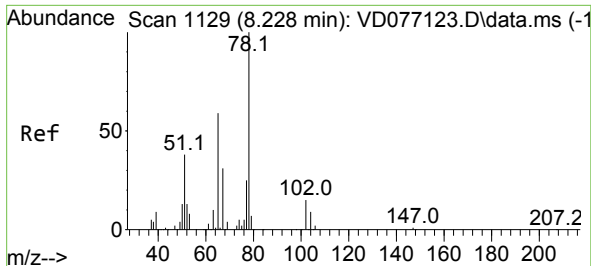
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

Tgt Ion: 56 Resp: 4045
Ion Ratio Lower Upper
56 100
69 150.6 28.6 43.0#
84 140.8 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 50.883 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Instrument :

MSVOA_D

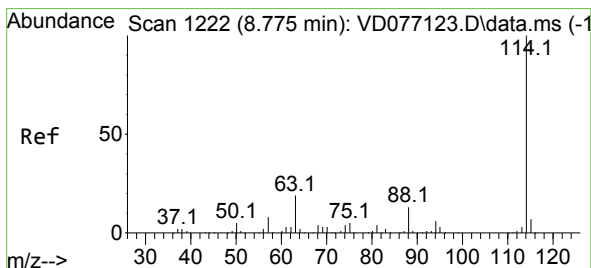
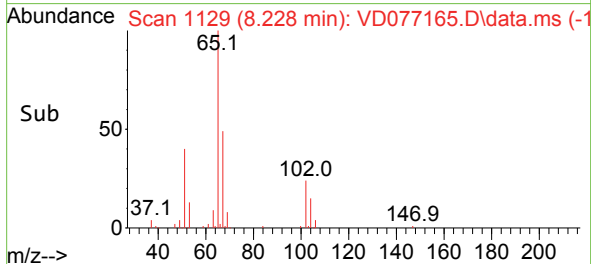
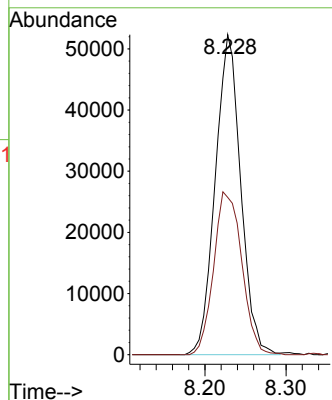
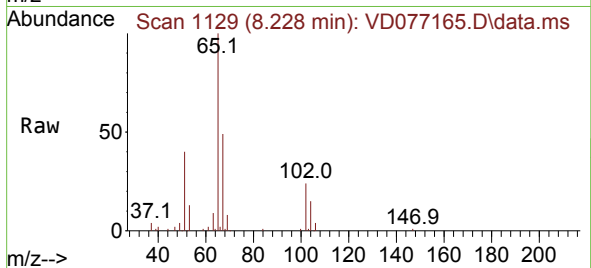
ClientSampleId :

Tgt Ion: 65 Resp: 113994

Ion Ratio Lower Upper

65 100

67 56.0 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: VD077165.D

Acq: 20 Sep 2023 14:25

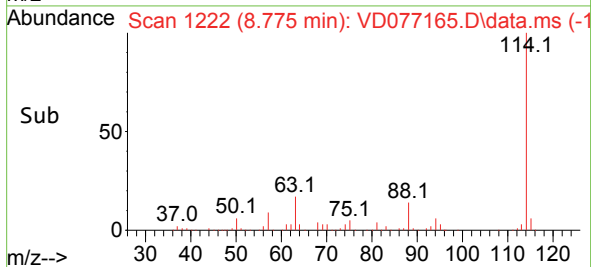
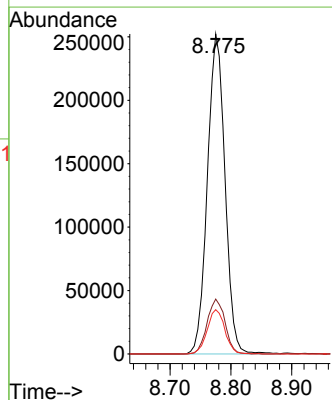
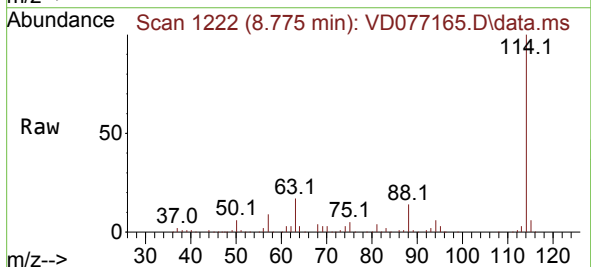
Tgt Ion: 114 Resp: 506434

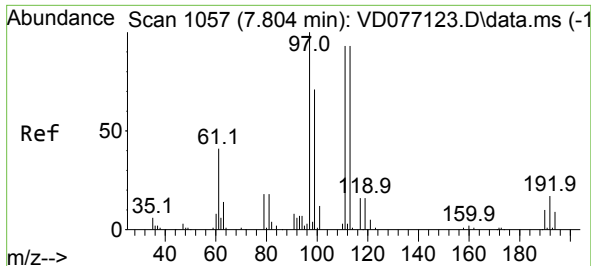
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

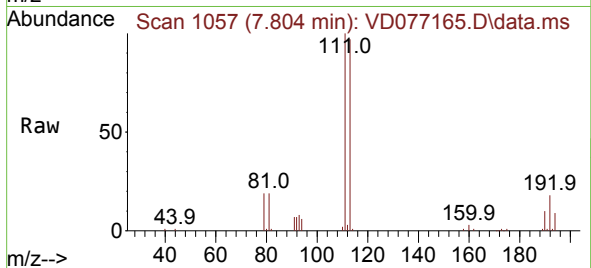
88 13.8 0.0 26.2



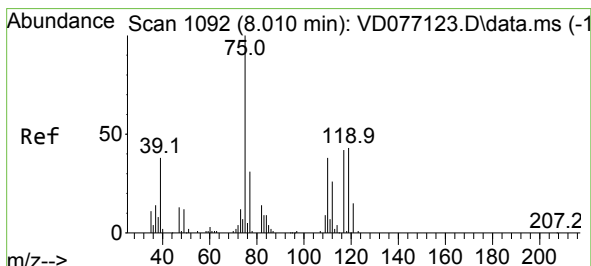
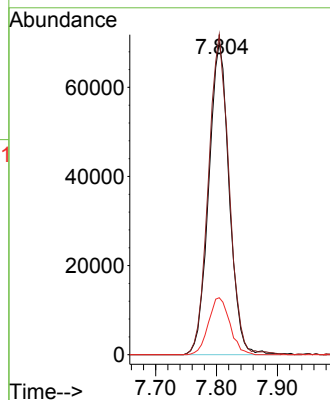
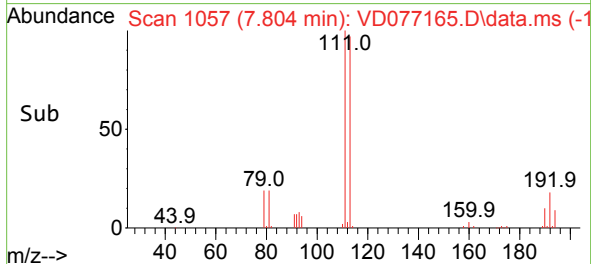


#35
Dibromofluoromethane
Concen: 46.431 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

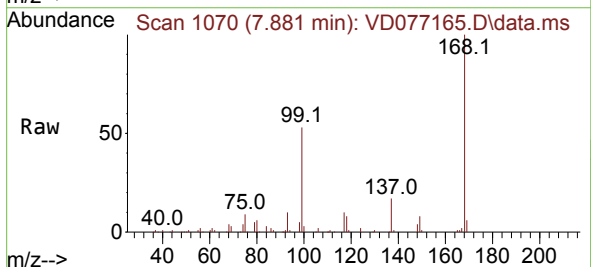
Instrument :
MSVOA_D
ClientSampleId :



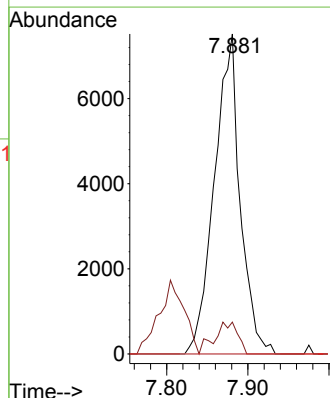
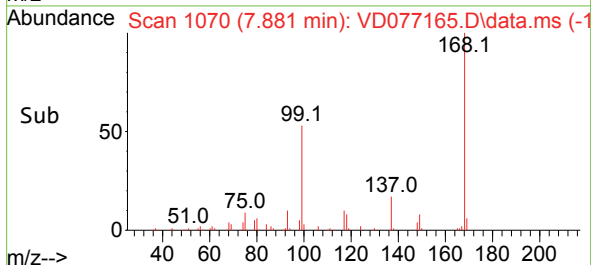
Tgt Ion:113 Resp: 163330
Ion Ratio Lower Upper
113 100
111 103.9 84.7 127.1
192 19.1 16.8 25.2

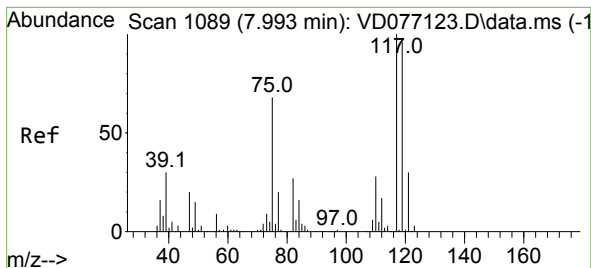


#36
1,1-Dichloropropene
Concen: 3.125 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25



Tgt Ion: 75 Resp: 16553
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.016 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

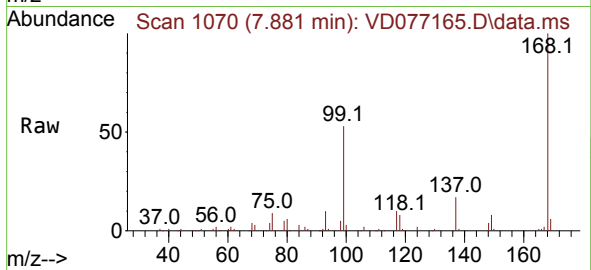
Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :



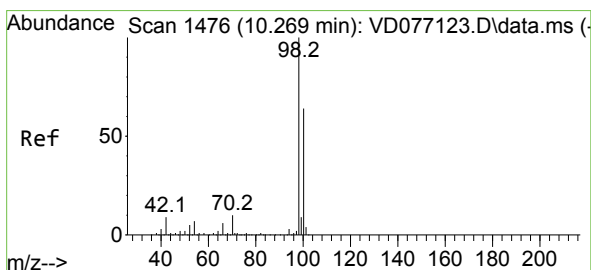
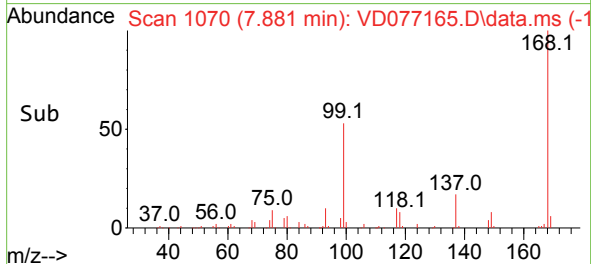
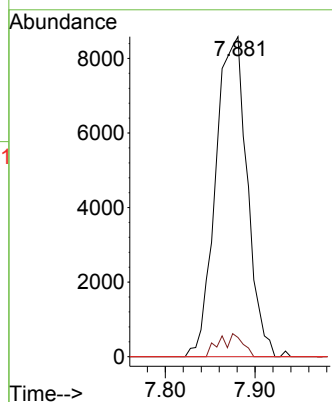
Tgt Ion:117 Resp: 20909

Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.361 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077165.D

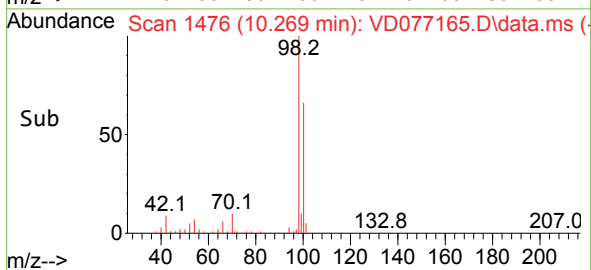
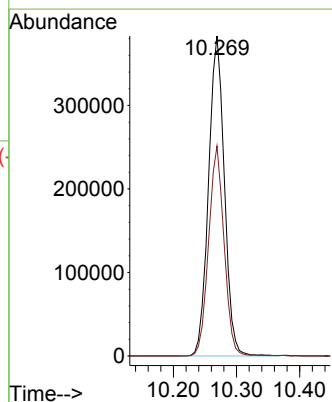
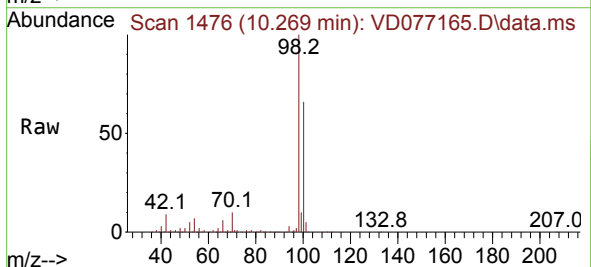
Acq: 20 Sep 2023 14:25

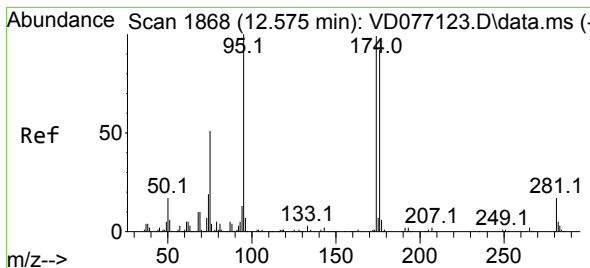
Tgt Ion: 98 Resp: 668126

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

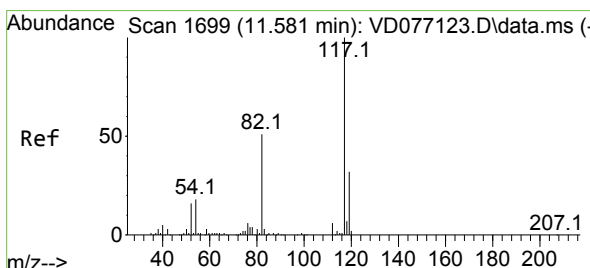
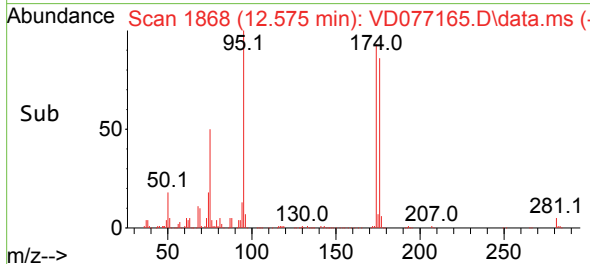
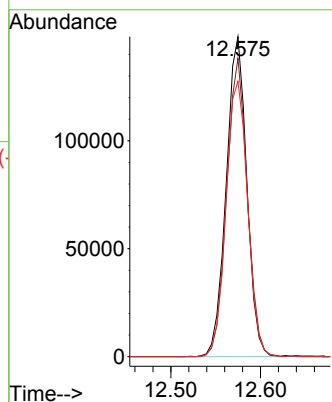
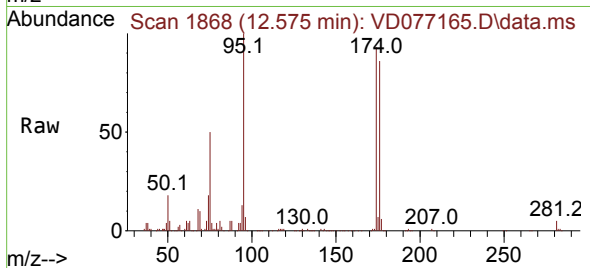




#62
4-Bromofluorobenzene
Concen: 60.751 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

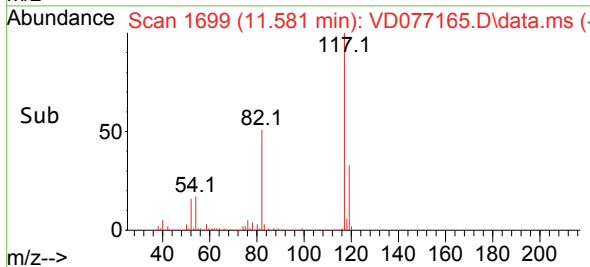
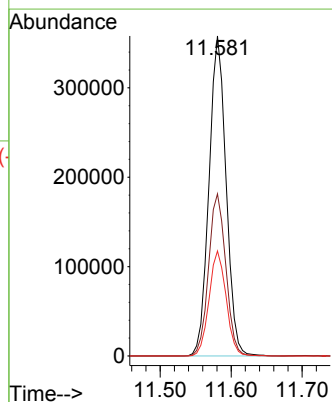
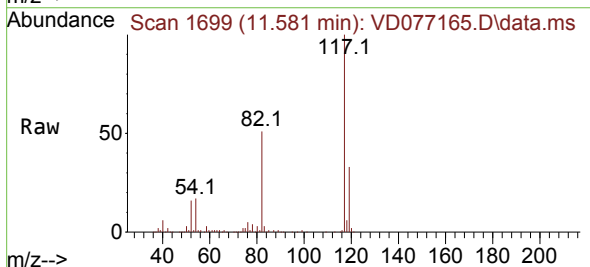
Instrument :
MSVOA_D
ClientSampleId :

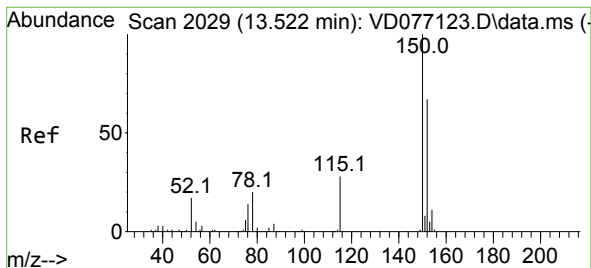
Tgt Ion: 95 Resp: 235760
Ion Ratio Lower Upper
95 100
174 93.6 0.0 201.8
176 90.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077165.D
Acq: 20 Sep 2023 14:25

Tgt Ion: 117 Resp: 599699
Ion Ratio Lower Upper
117 100
82 50.7 38.3 57.5
119 32.8 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

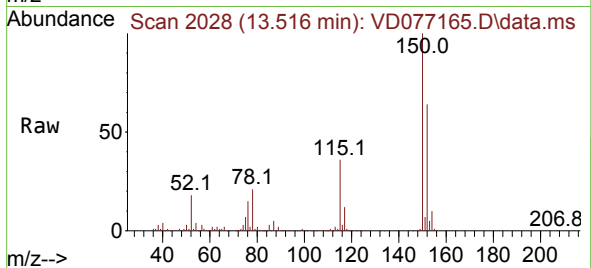
Lab File: VD077165.D

Acq: 20 Sep 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :



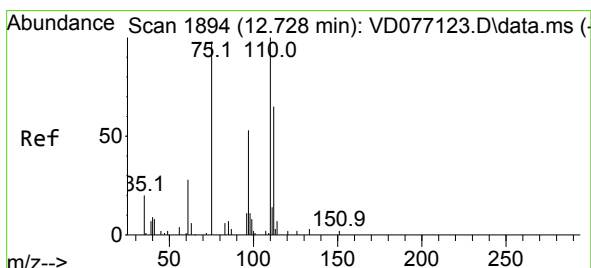
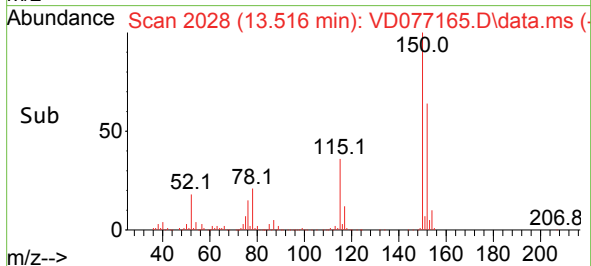
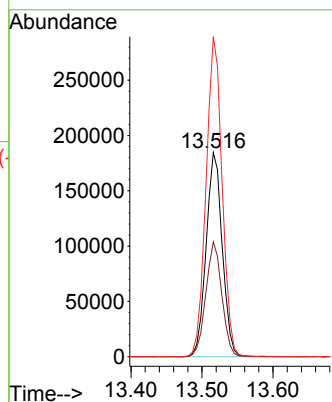
Tgt Ion:152 Resp: 290810

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 156.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.617 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077165.D

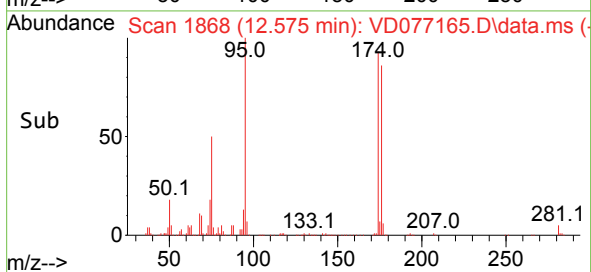
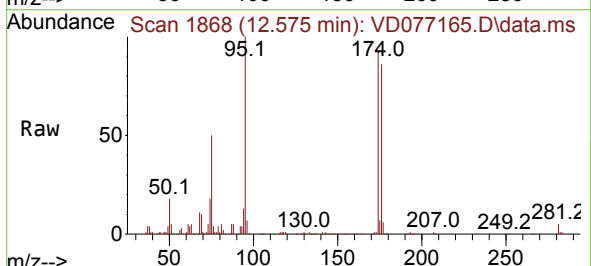
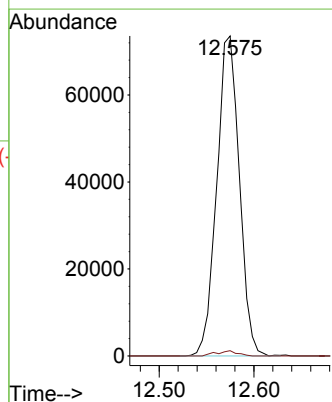
Acq: 20 Sep 2023 14:25

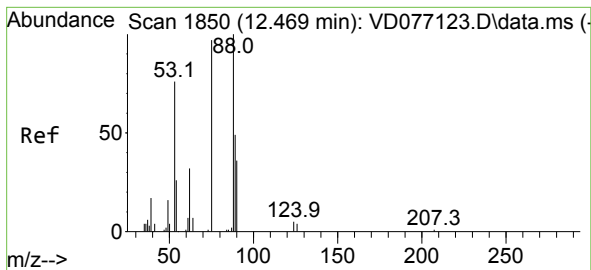
Tgt Ion: 75 Resp: 122056

Ion Ratio Lower Upper

75 100

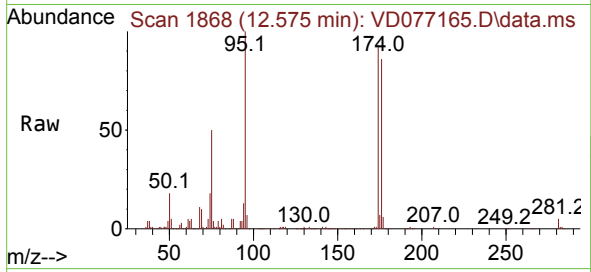
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.593 ug/l
 RT: 12.575 min Scan# 1850
 Delta R.T. 0.106 min
 Lab File: VD077165.D
 Acq: 20 Sep 2023 14:25

Instrument :
 MSVOA_D
 ClientSampleId :



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

