

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078046.D
 Acq On : 22 Dec 2023 02:31
 Operator : RP/MD
 Sample : 05877-11
 Misc : 3.99G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:53:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	163622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	284068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	255714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	93963	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74159	38.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.920%
35) Dibromofluoromethane	7.811	113	86851	43.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.300%
50) Toluene-d8	10.269	98	354992	44.544	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.080%
62) 4-Bromofluorobenzene	12.575	95	90963	38.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.360%

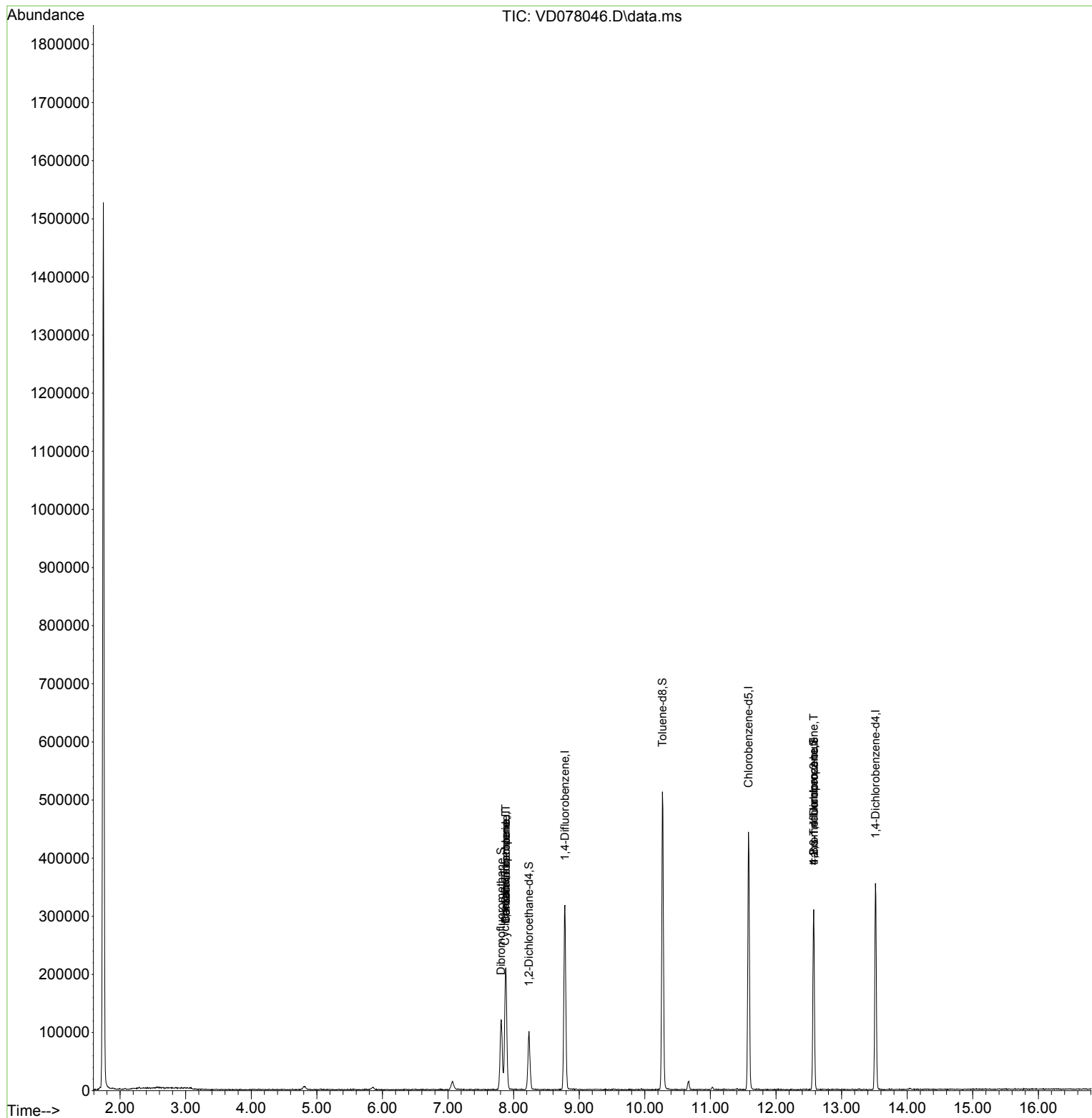
Target Compounds					Qvalue
11) Tert butyl alcohol	5.052	59	165	Below Cal	# 1
16) Acetone	4.034	43	270	Below Cal	# 32
20) Methylene Chloride	4.817	84	4478	Below Cal	# 80
25) 2-Butanone	7.069	43	708	Below Cal	# 37
31) Cyclohexane	7.869	56	4269	1.245 ug/l	# 74
36) 1,1-Dichloropropene	7.881	75	13450	4.226 ug/l	# 48
38) Carbon Tetrachloride	7.881	117	15888	5.007 ug/l	# 16
76) 1,2,3-Trichloropropane	12.575	75	49446	60.590 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	49446	122.760 ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.581	75	62	Below Cal	# 1

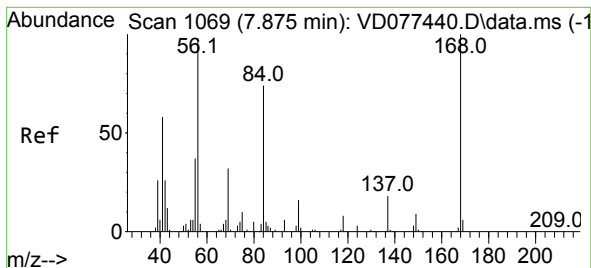
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078046.D

Acq: 22 Dec 2023 02:31

Instrument :

MSVOA_D

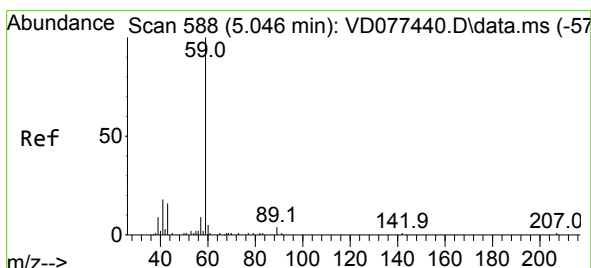
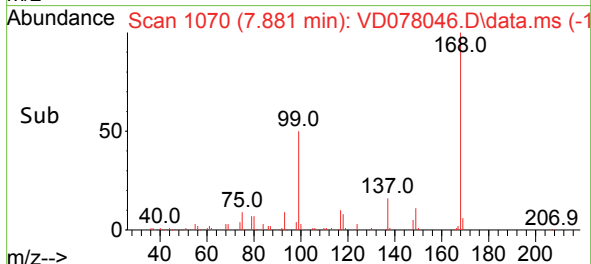
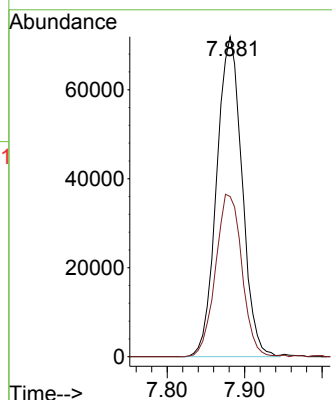
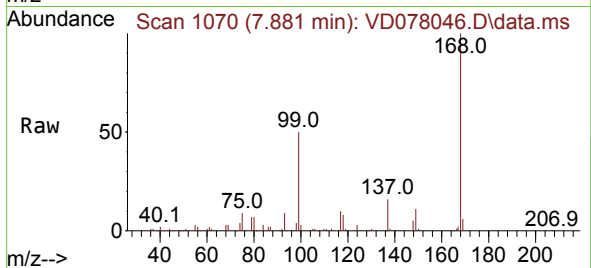
ClientSampleId :

Tgt Ion:168 Resp: 163622

Ion Ratio Lower Upper

168 100

99 50.1 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD078046.D

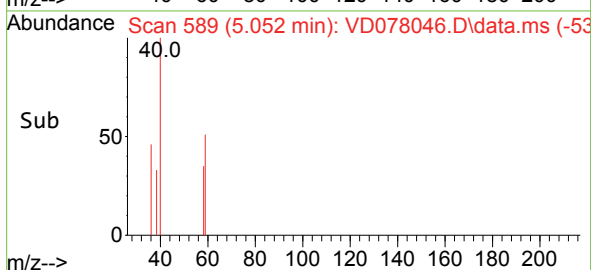
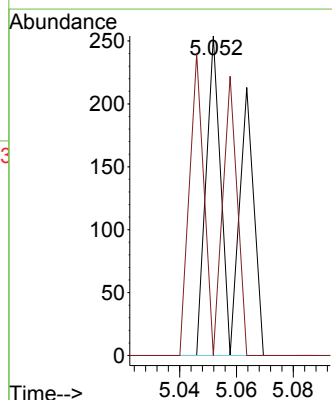
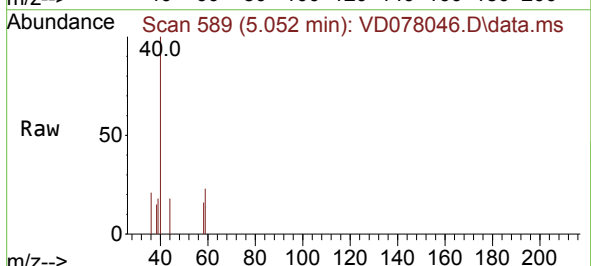
Acq: 22 Dec 2023 02:31

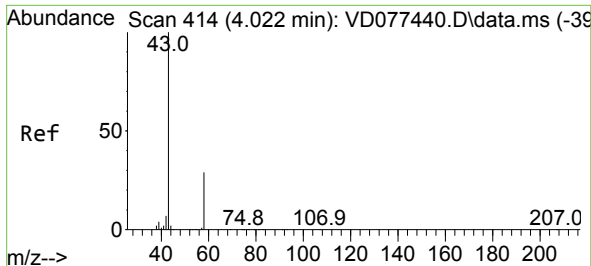
Tgt Ion: 59 Resp: 165

Ion Ratio Lower Upper

59 100

57 98.8 7.8 11.8#

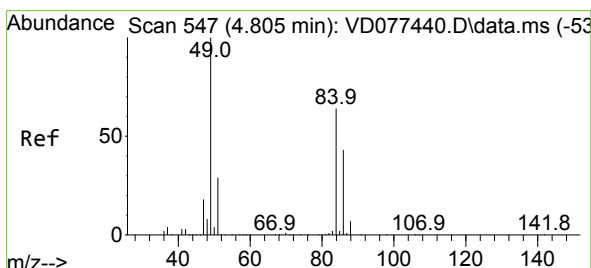
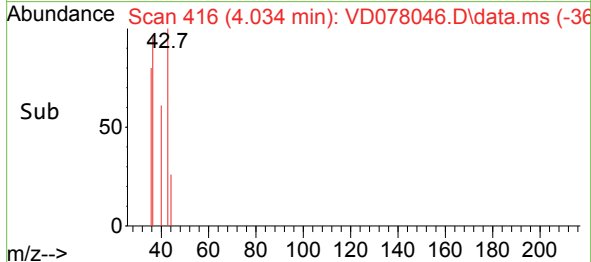
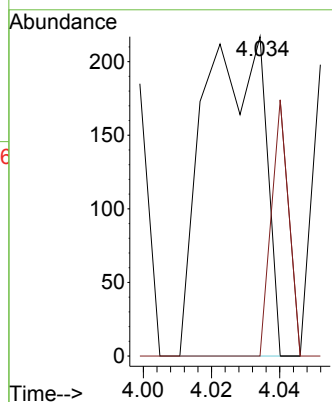
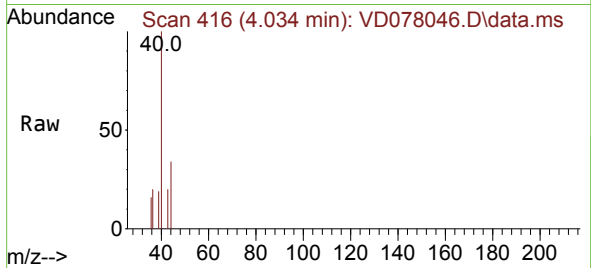




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

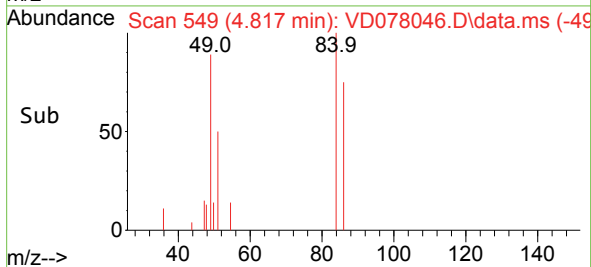
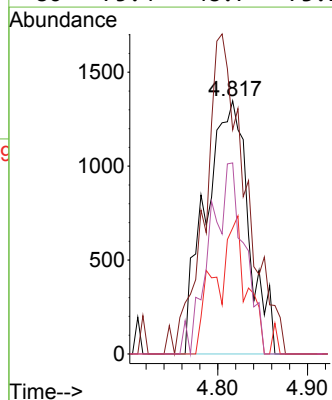
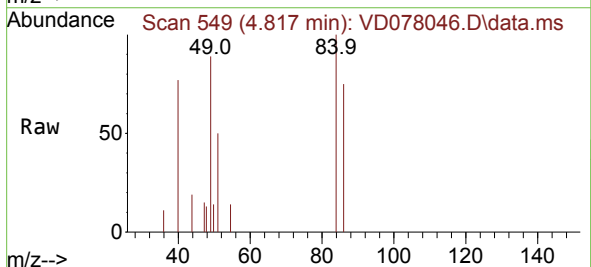
Instrument :
MSVOA_D
ClientSampleId :

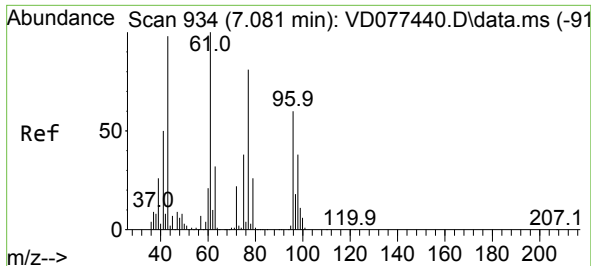
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.817 min Scan# 549
Delta R.T. 0.012 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

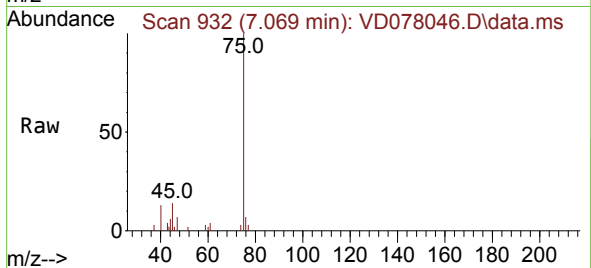
Tgt Ion: 84 Resp: 4478
Ion Ratio Lower Upper
84 100
49 74.2 71.4 107.2
51 49.8 24.5 36.7#
86 75.4 48.7 73.1#



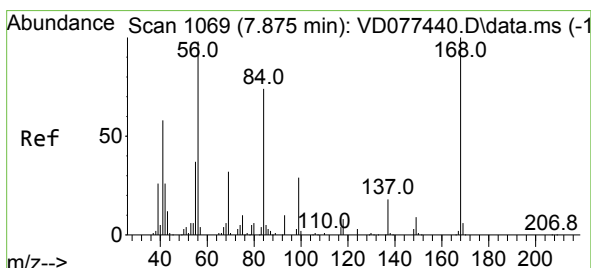
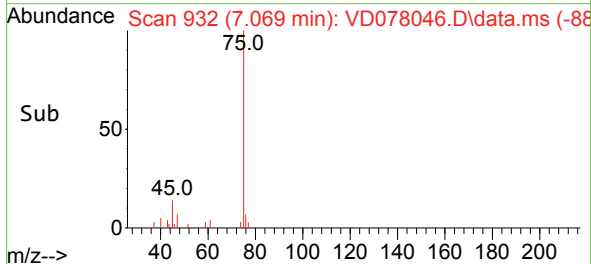
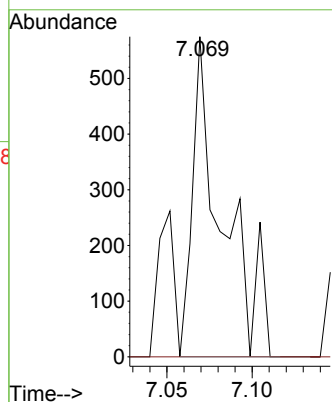


#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

Instrument :
MSVOA_D
ClientSampleId :

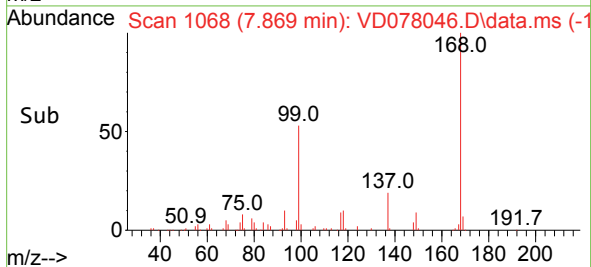
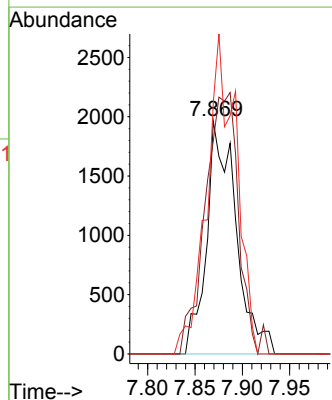
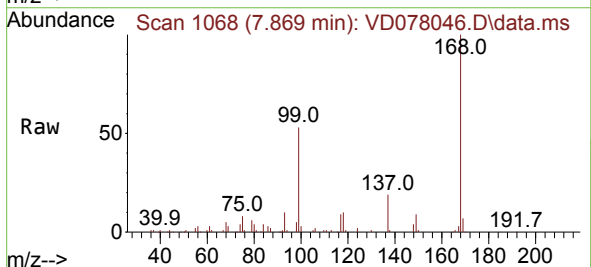


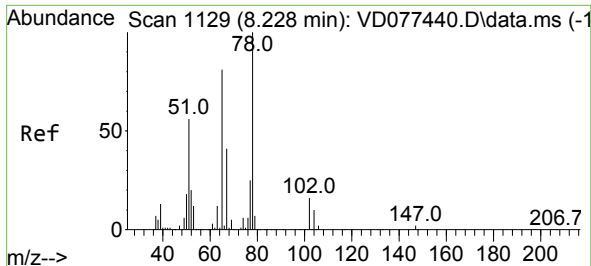
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

Tgt Ion: 56 Resp: 4269
Ion Ratio Lower Upper
56 100
69 91.6 28.6 43.0#
84 108.1 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 38.463 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078046.D

Acq: 22 Dec 2023 02:31

Instrument :

MSVOA_D

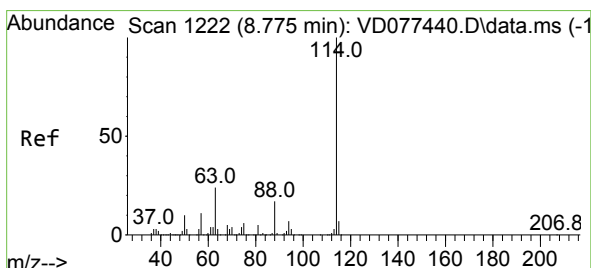
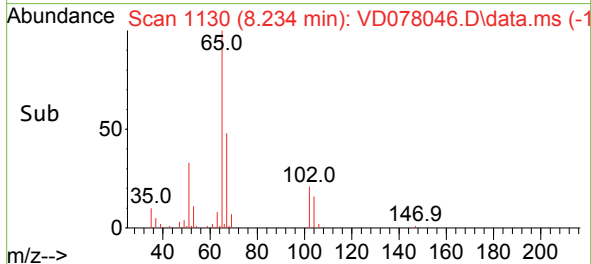
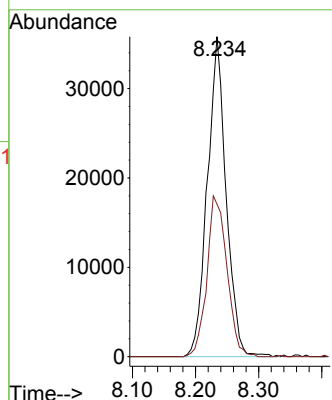
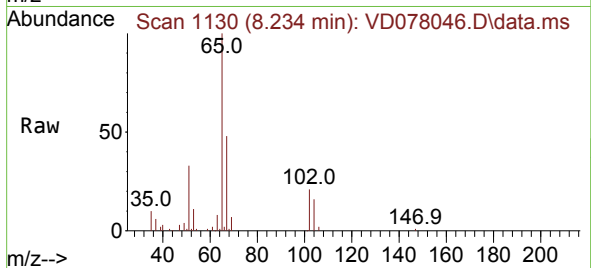
ClientSampleId :

Tgt Ion: 65 Resp: 74159

Ion Ratio Lower Upper

65 100

67 53.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078046.D

Acq: 22 Dec 2023 02:31

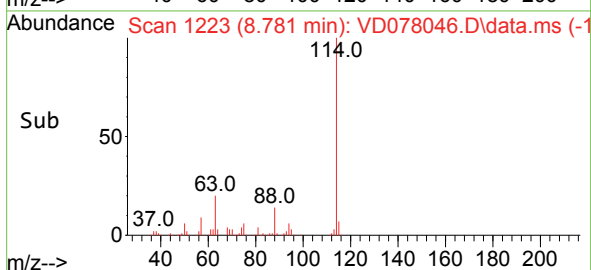
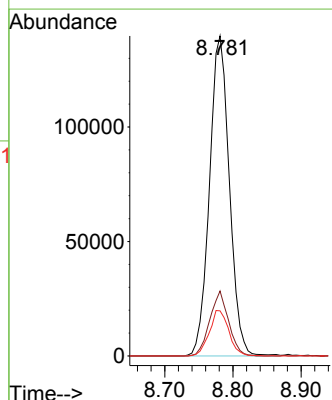
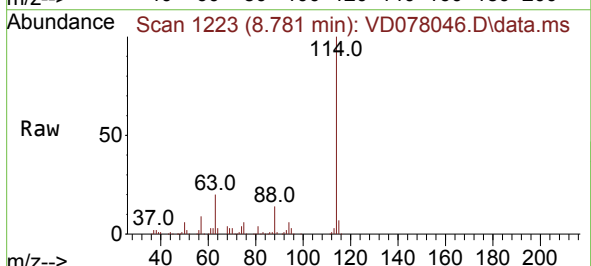
Tgt Ion: 114 Resp: 284068

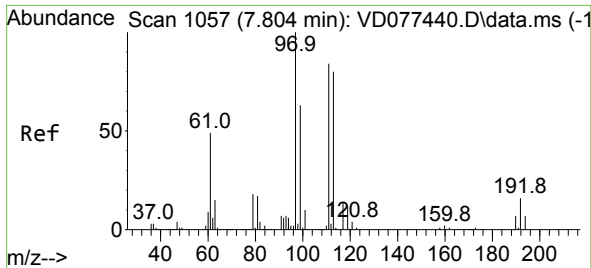
Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

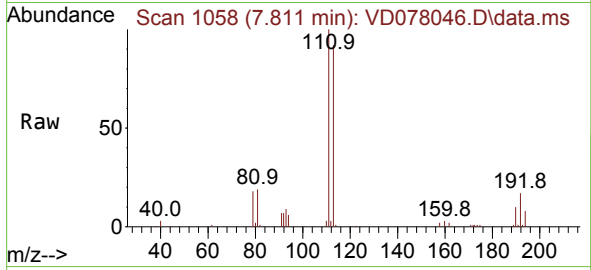
88 14.1 0.0 26.2



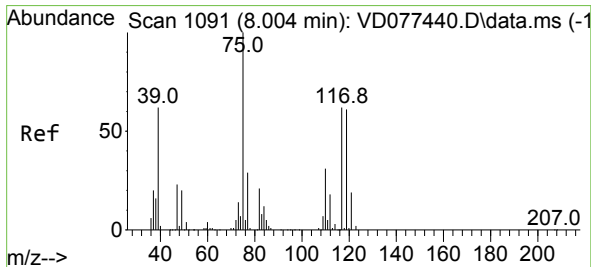
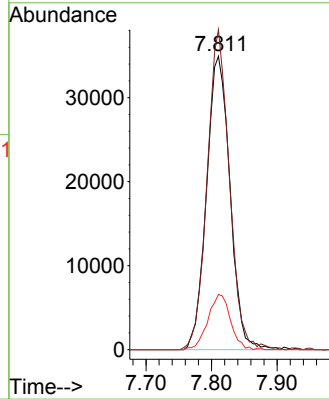
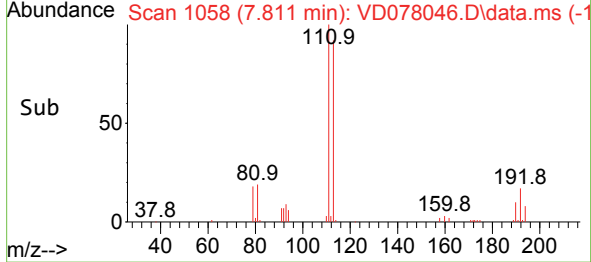


#35
Dibromofluoromethane
Concen: 43.648 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.007 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

Instrument :
MSVOA_D
ClientSampleId :

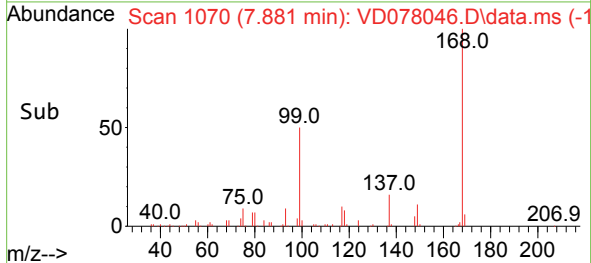
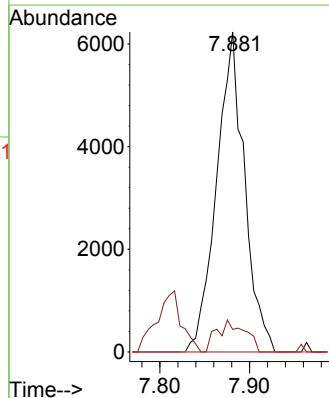
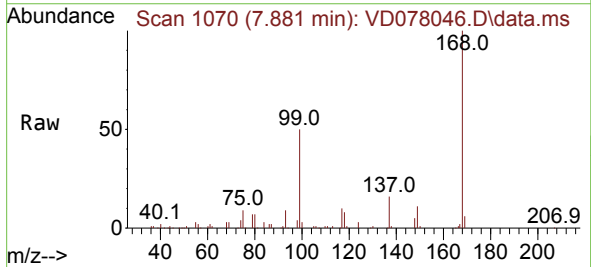


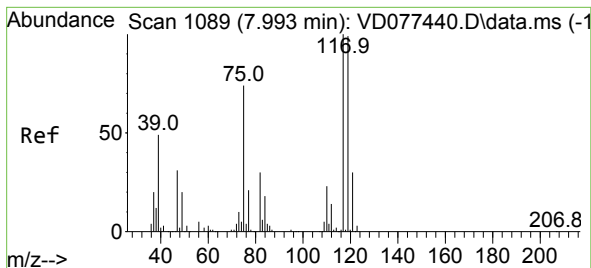
Tgt Ion:113 Resp: 86851
Ion Ratio Lower Upper
113 100
111 103.5 84.7 127.1
192 18.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.226 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

Tgt Ion: 75 Resp: 13450
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.007 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

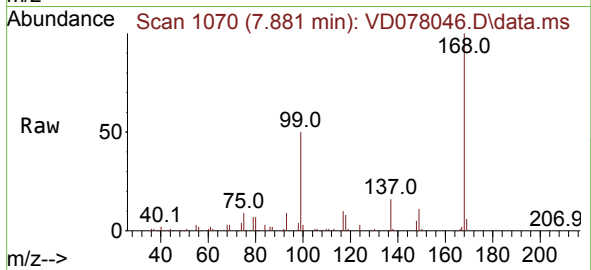
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Acq: 22 Dec 2023 02:31

Instrument :

MSVOA_D

ClientSampleId :



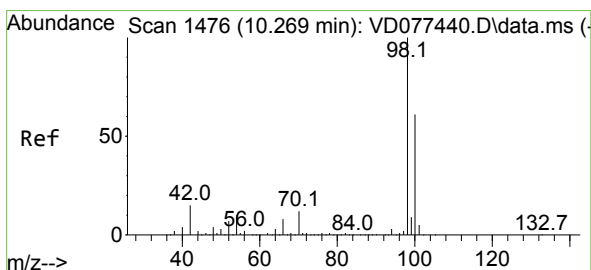
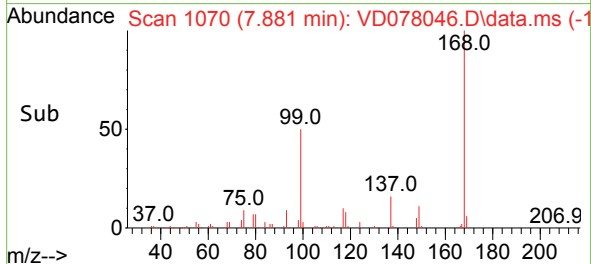
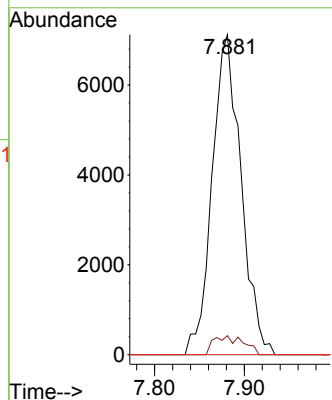
Tgt Ion:117 Resp: 15888

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.544 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078046.D

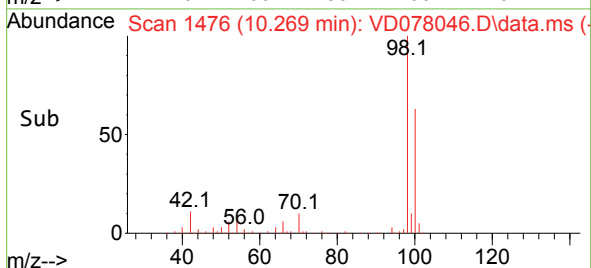
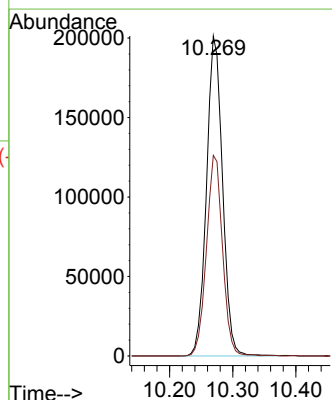
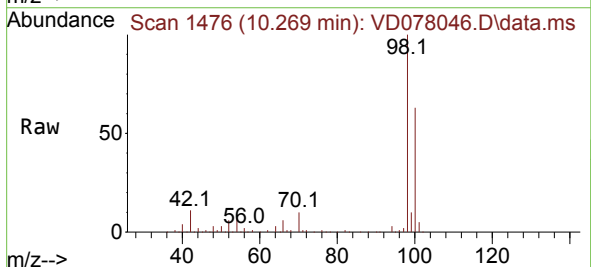
Acq: 22 Dec 2023 02:31

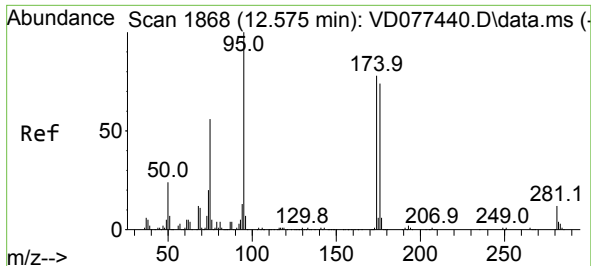
Tgt Ion: 98 Resp: 354992

Ion Ratio Lower Upper

98 100

100 62.9 50.3 75.5

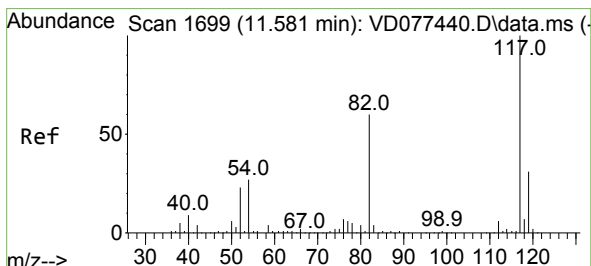
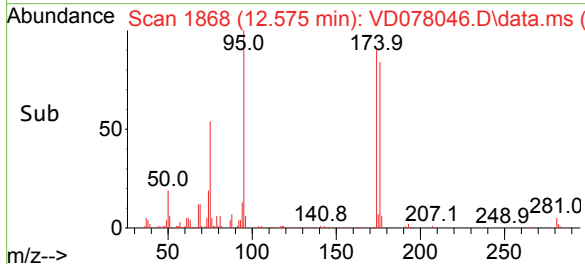
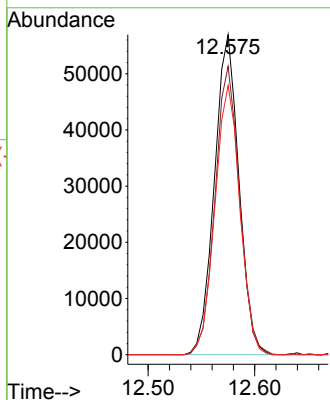
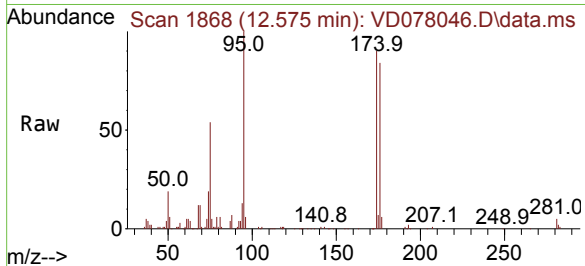




#62
4-Bromofluorobenzene
Concen: 38.177 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

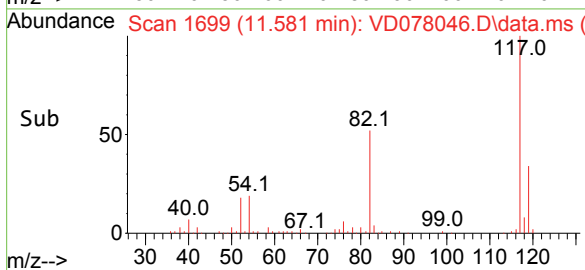
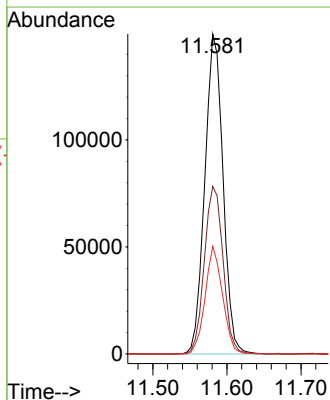
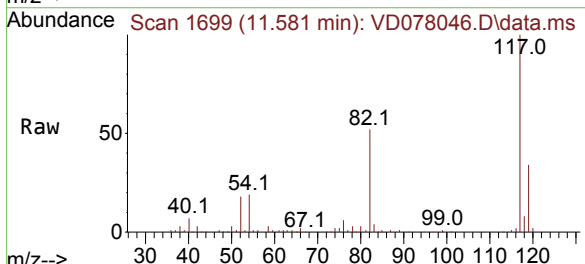
Instrument :
MSVOA_D
ClientSampleId :

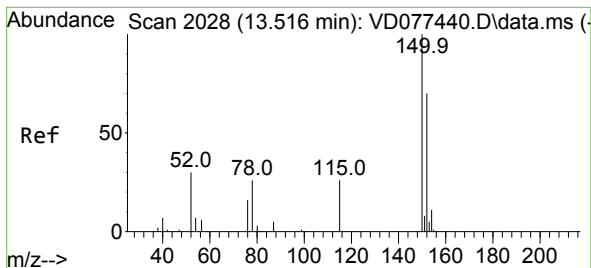
Tgt Ion: 95 Resp: 90963
Ion Ratio Lower Upper
95 100
174 90.5 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078046.D
Acq: 22 Dec 2023 02:31

Tgt Ion: 117 Resp: 255714
Ion Ratio Lower Upper
117 100
82 52.4 38.3 57.5
119 33.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078046.D

Acq: 22 Dec 2023 02:31

Instrument :

MSVOA_D

ClientSampleId :

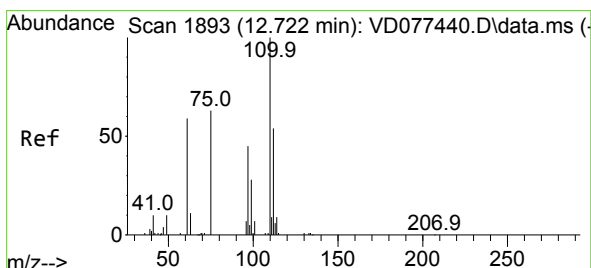
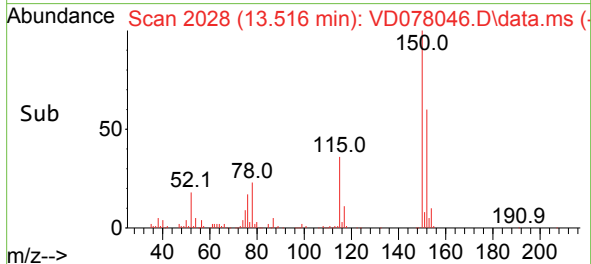
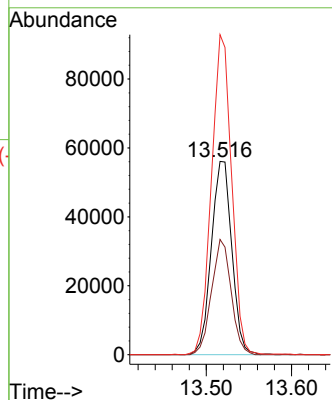
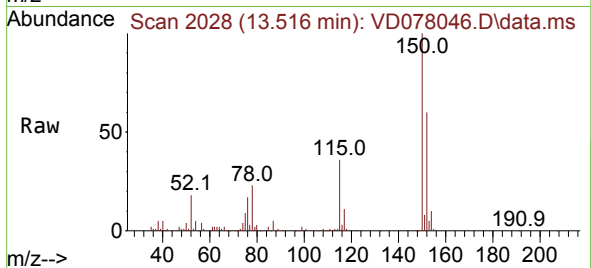
Tgt Ion:152 Resp: 93963

Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

150 162.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 60.590 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078046.D

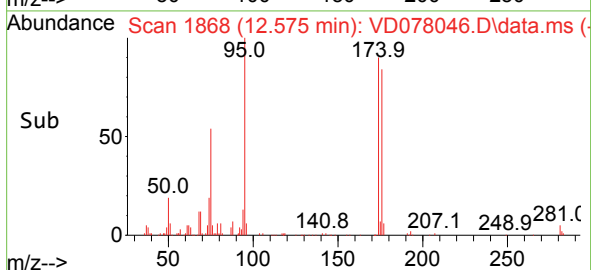
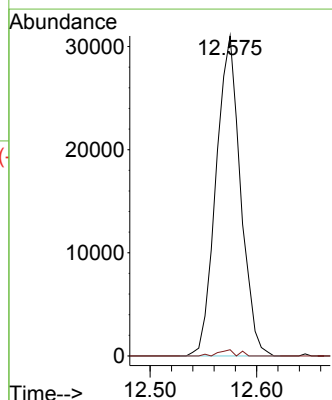
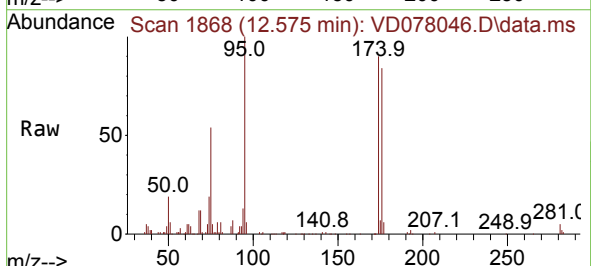
Acq: 22 Dec 2023 02:31

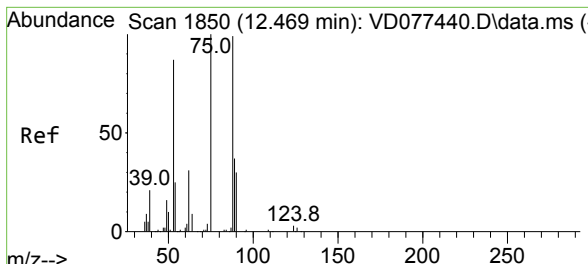
Tgt Ion: 75 Resp: 49446

Ion Ratio Lower Upper

75 100

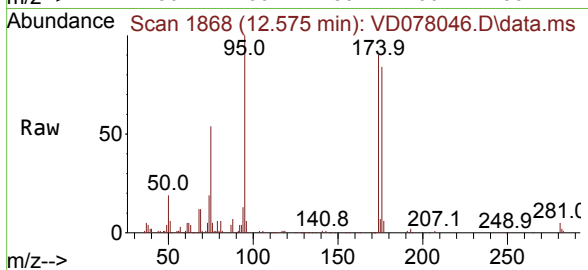
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.760 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078046.D
 Acq: 22 Dec 2023 02:31

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	49446
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.2	37.9	56.9#

