

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077131.D
 Acq On : 18 Sep 2023 15:54
 Operator : JC/SY
 Sample : 04436-05
 Misc : 3.93G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:57:10 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)

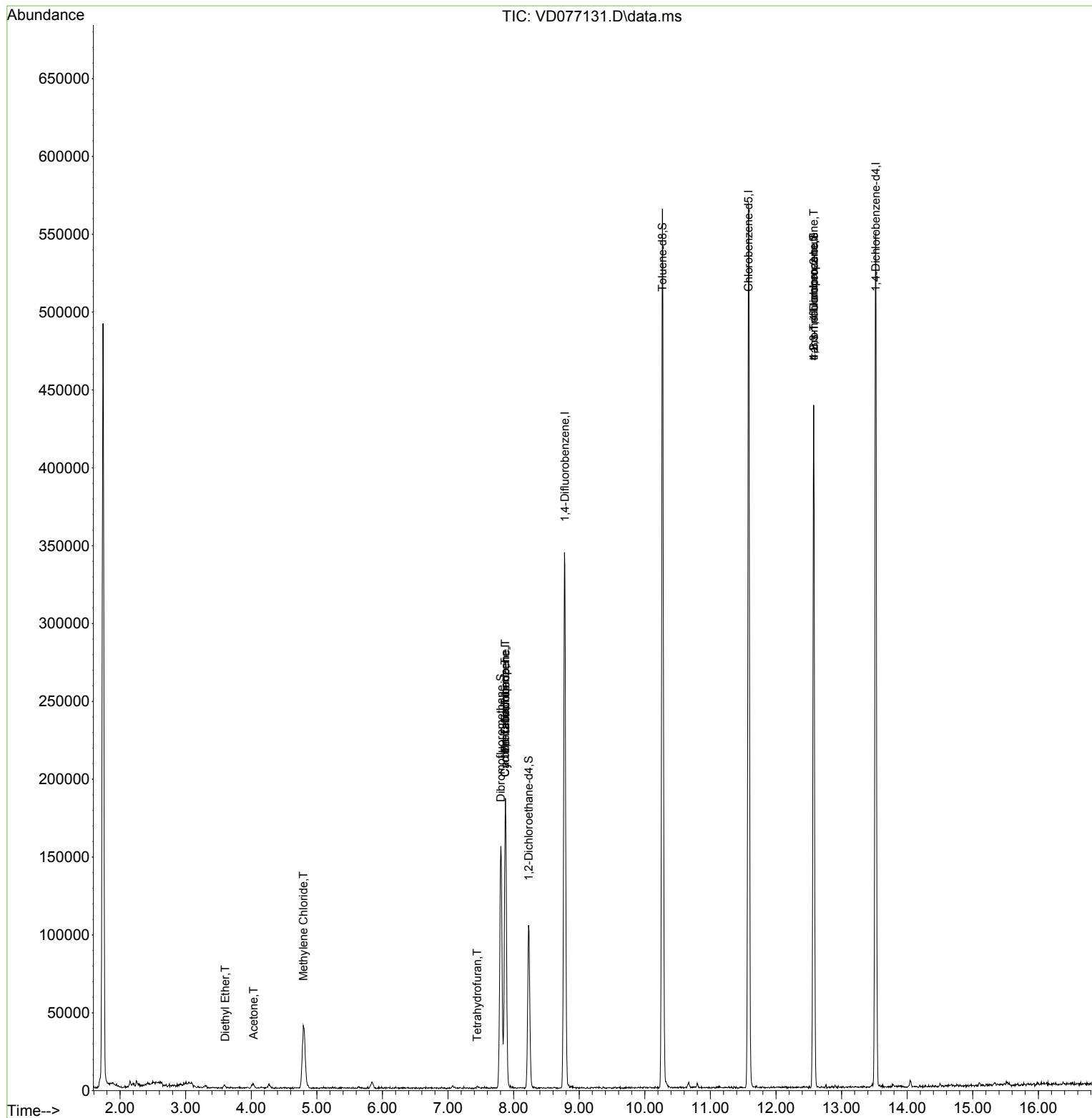
Internal Standards						
1) Pentafluorobenzene	7.875	168	146832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	327421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	347734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	160528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79510	53.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.320%	
35) Dibromofluoromethane	7.805	113	114797	50.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.960%	
50) Toluene-d8	10.269	98	403988	49.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	12.575	95	132298	52.730	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.460%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.605	74	879	1.004	ug/l #	50
13) Acrolein	4.011	56	59	Below Cal	#	15
16) Acetone	4.034	43	4878	14.403	ug/l	87
20) Methylene Chloride	4.793	84	33786	10.419	ug/l	90
29) Tetrahydrofuran	7.446	42	800	3.071	ug/l #	56
31) Cyclohexane	7.869	56	2727	1.052	ug/l #	26
36) 1,1-Dichloropropene	7.875	75	10300	3.007	ug/l #	49
38) Carbon Tetrachloride	7.869	117	13731	4.079	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	66468	51.908	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66468	98.252	ug/l #	17

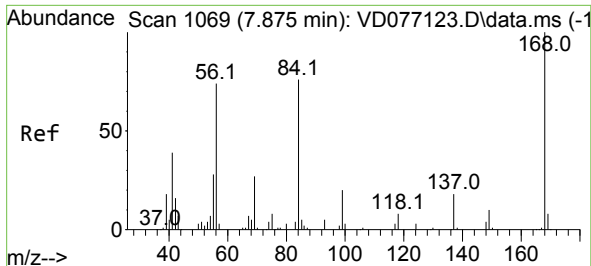
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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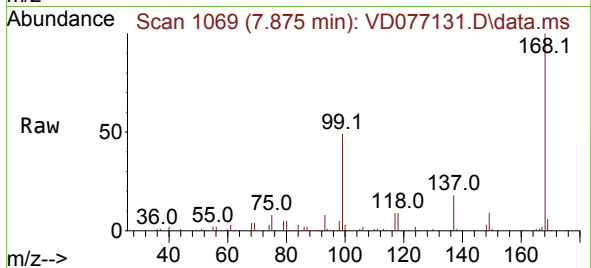
Quant Time: Sep 19 04:57:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
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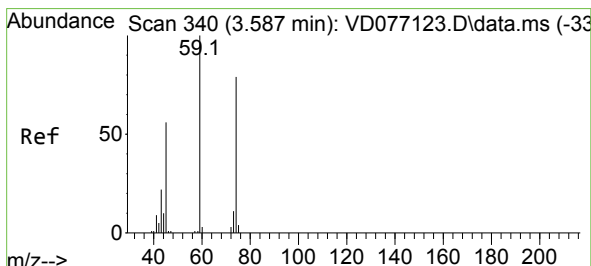
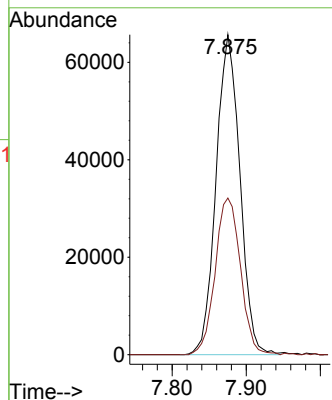
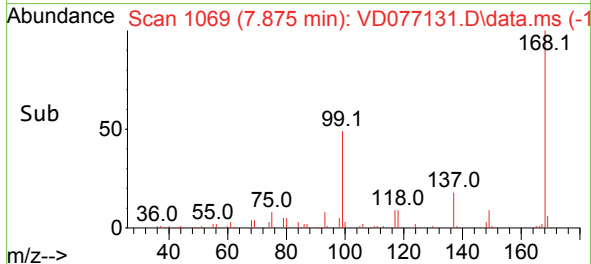


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

Instrument :
MSVOA_D
ClientSampleId :

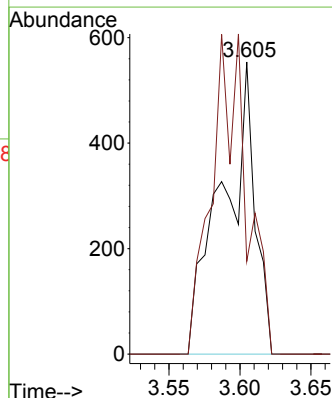
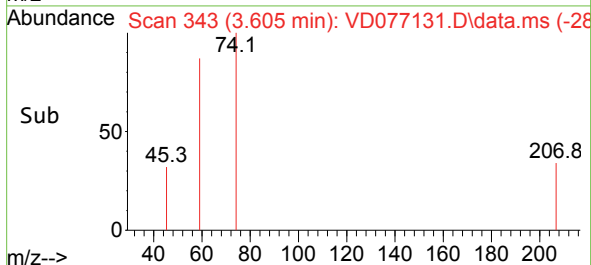
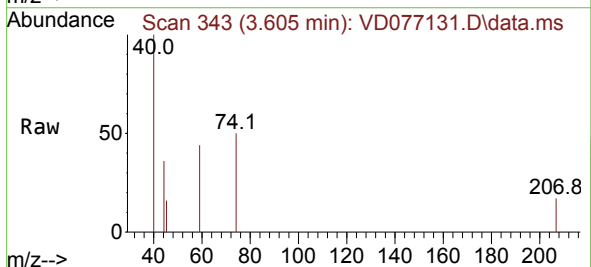


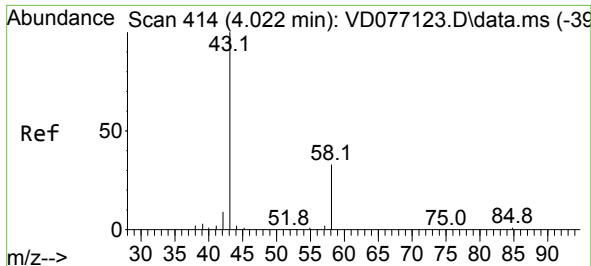
Tgt Ion:168 Resp: 146832
Ion Ratio Lower Upper
168 100
99 48.9 36.7 55.1



#8
Diethyl Ether
Concen: 1.004 ug/l
RT: 3.605 min Scan# 343
Delta R.T. 0.018 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

Tgt Ion: 74 Resp: 879
Ion Ratio Lower Upper
74 100
45 117.5 37.5 112.7#

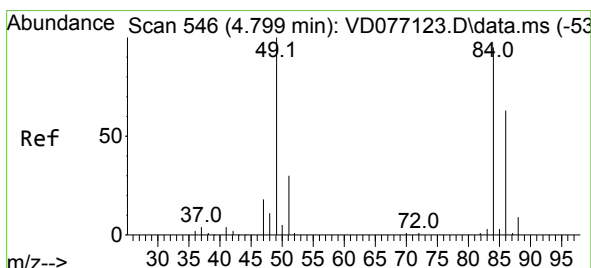
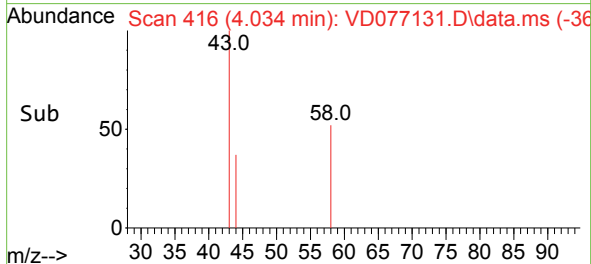
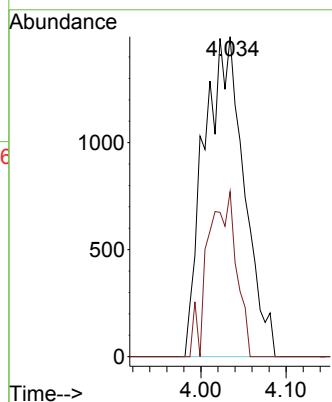
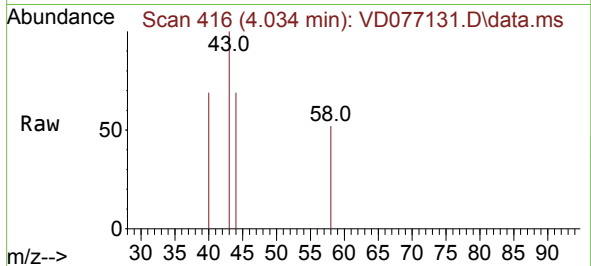




#16
Acetone
Concen: 14.403 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

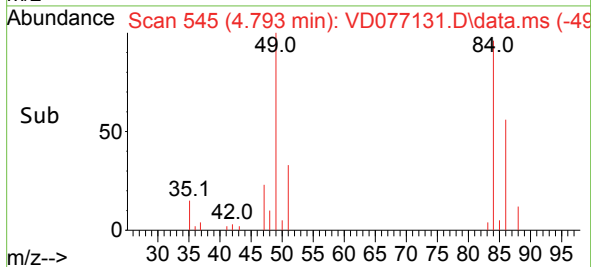
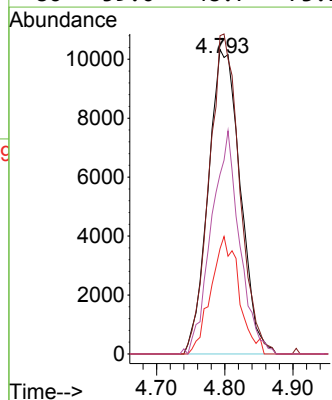
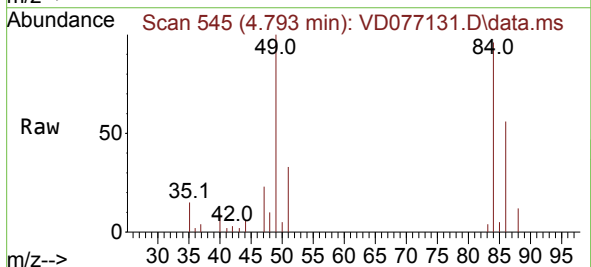
Instrument :
MSVOA_D
ClientSampleId :

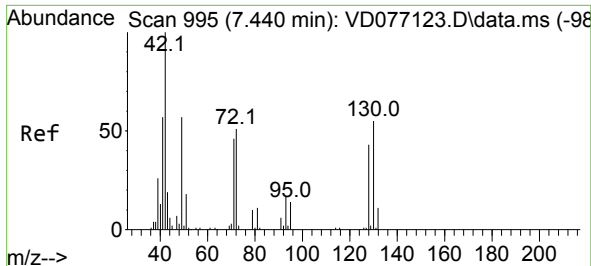
Tgt Ion: 43 Resp: 4878
Ion Ratio Lower Upper
43 100
58 51.6 34.7 52.1



#20
Methylene Chloride
Concen: 10.419 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

Tgt Ion: 84 Resp: 33786
Ion Ratio Lower Upper
84 100
49 104.5 71.4 107.2
51 34.6 24.5 36.7
86 59.0 48.7 73.1





#29

Tetrahydrofuran

Concen: 3.071 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

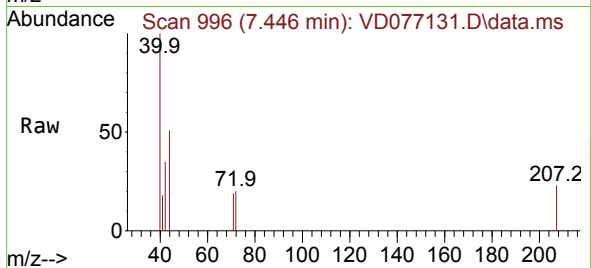
Lab File: VD077131.D

Acq: 18 Sep 2023 15:54

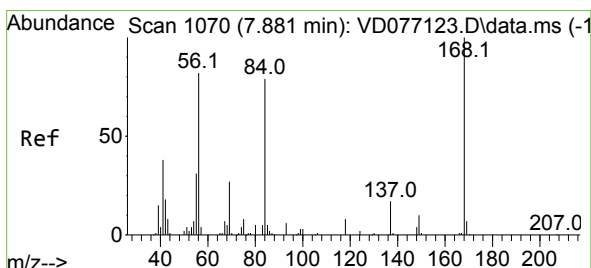
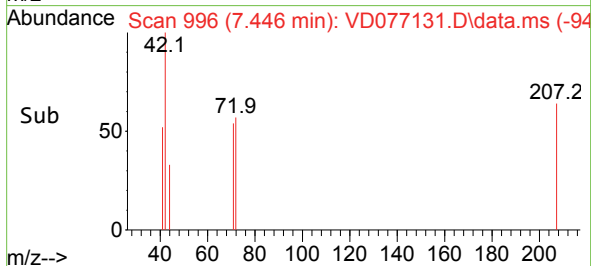
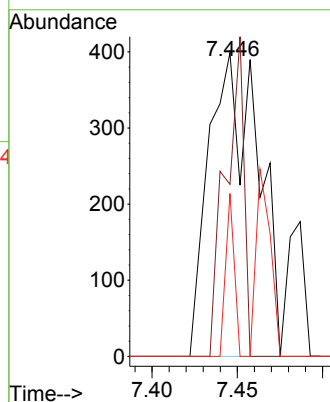
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	800
Ion Ratio	Lower	Upper	
42	100		
72	39.3	46.5	69.7#
71	9.4	44.5	66.7#



#31

Cyclohexane

Concen: 1.052 ug/l

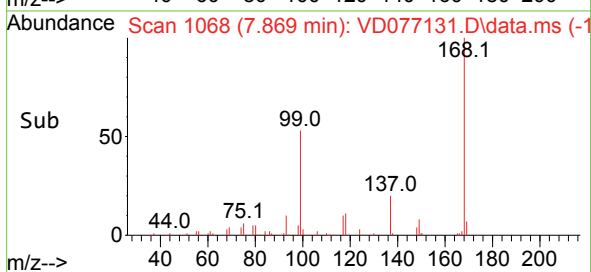
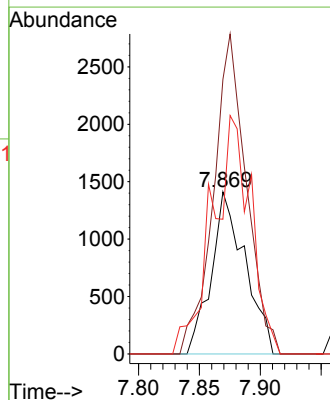
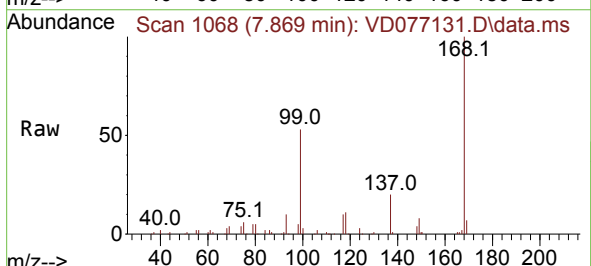
RT: 7.869 min Scan# 1068

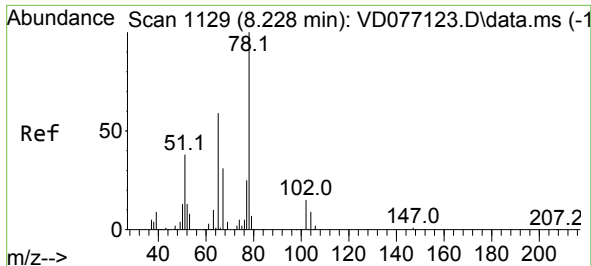
Delta R.T. -0.012 min

Lab File: VD077131.D

Acq: 18 Sep 2023 15:54

Tgt Ion:	56	Resp:	2727
Ion Ratio	Lower	Upper	
56	100		
69	169.5	28.6	43.0#
84	83.1	84.8	127.2#





#33

1,2-Dichloroethane-d4

Concen: 53.656 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077131.D

Acq: 18 Sep 2023 15:54

Instrument :

MSVOA_D

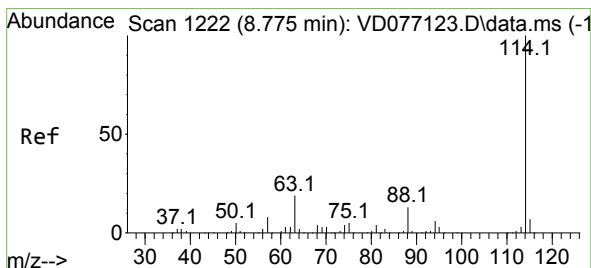
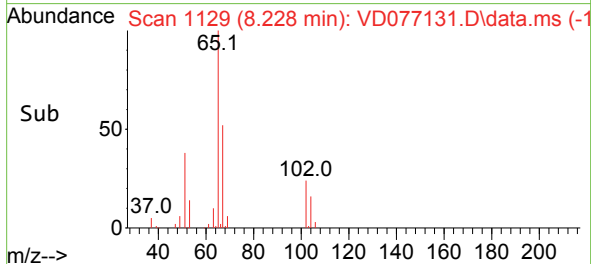
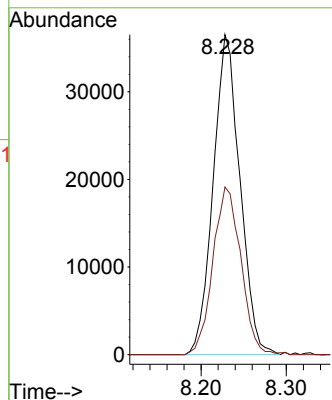
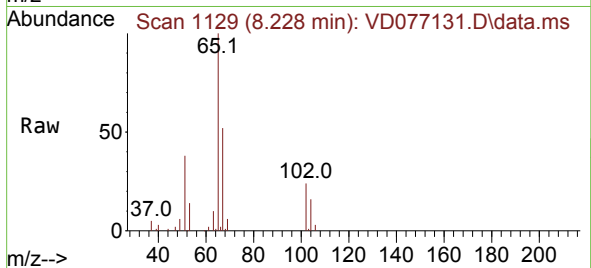
ClientSampleId :

Tgt Ion: 65 Resp: 79510

Ion Ratio Lower Upper

65 100

67 54.9 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: VD077131.D

Acq: 18 Sep 2023 15:54

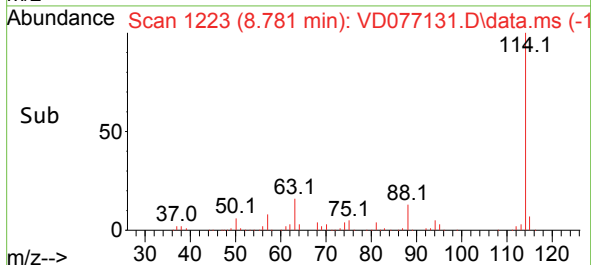
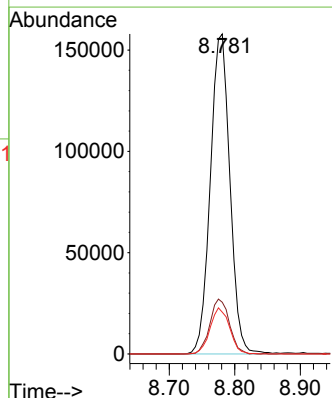
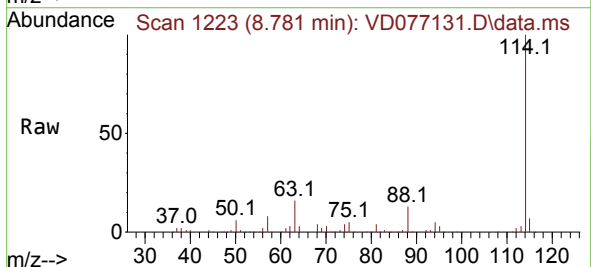
Tgt Ion: 114 Resp: 327421

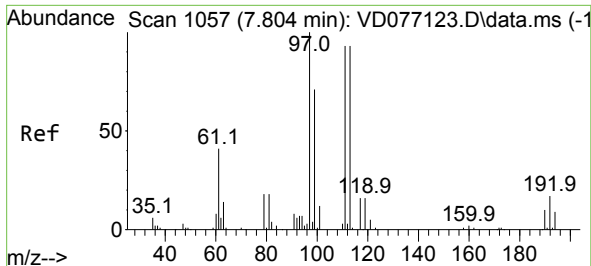
Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.4

88 13.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.477 ug/l

RT: 7.805 min Scan# 114797

Delta R.T. 0.000 min

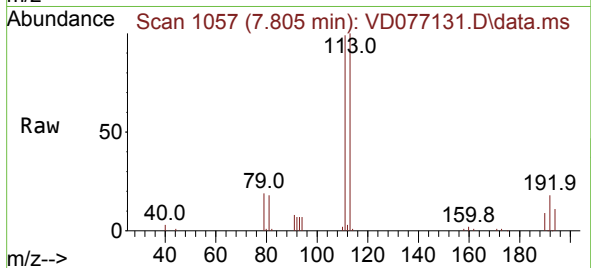
Lab File: VD077131.D

Acq: 18 Sep 2023 15:54

Instrument :

MSVOA_D

ClientSampleId :



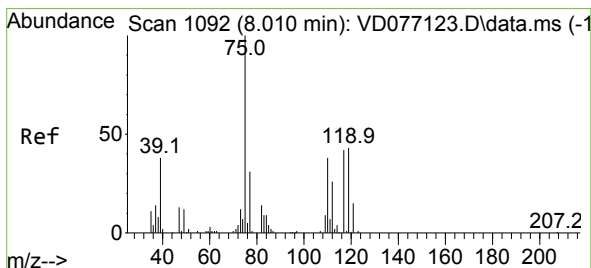
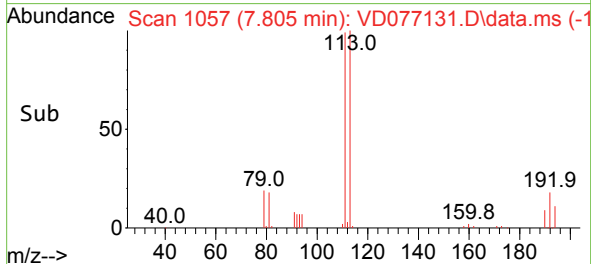
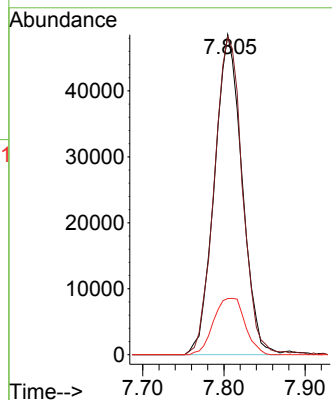
Tgt Ion:113 Resp: 114797

Ion Ratio Lower Upper

113 100

111 101.4 84.7 127.1

192 20.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.007 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD077131.D

Acq: 18 Sep 2023 15:54

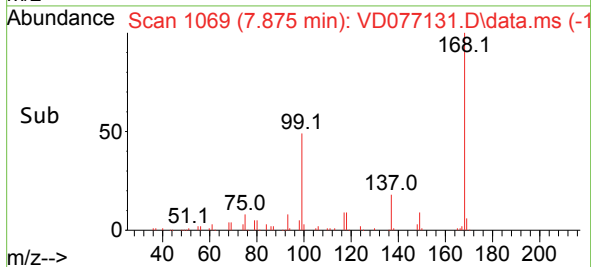
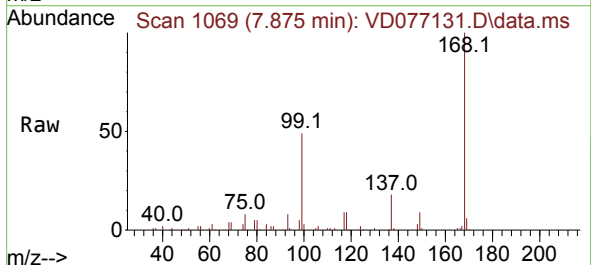
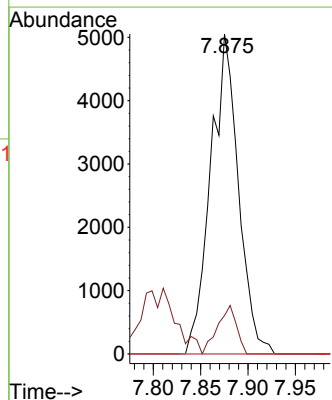
Tgt Ion: 75 Resp: 10300

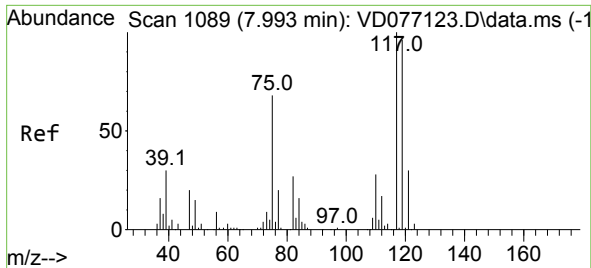
Ion Ratio Lower Upper

75 100

110 10.4 19.9 59.6#

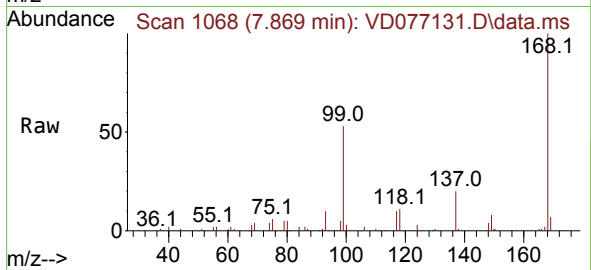
77 0.0 24.7 37.1#



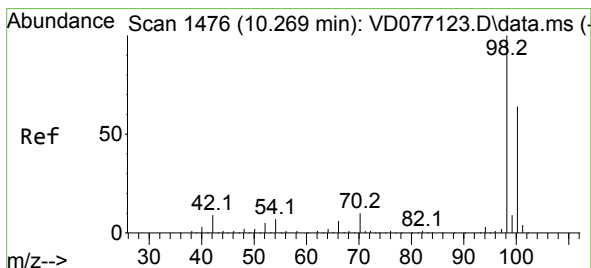
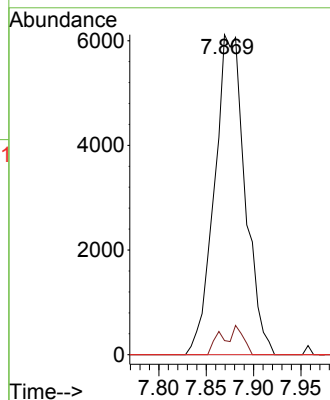
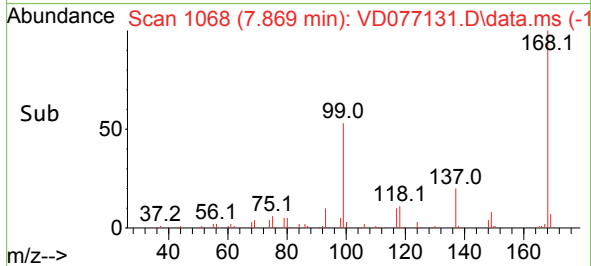


#38
Carbon Tetrachloride
Concen: 4.079 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

Instrument :
MSVOA_D
ClientSampleId :

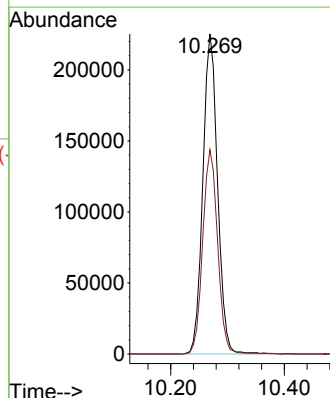
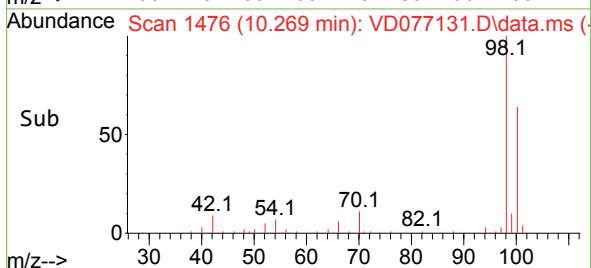
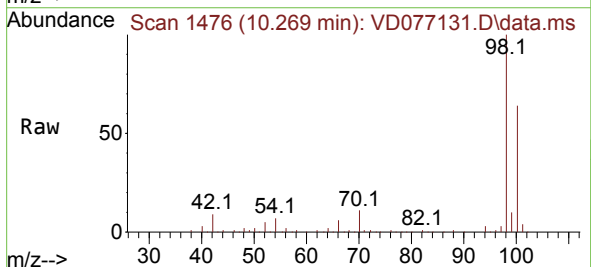


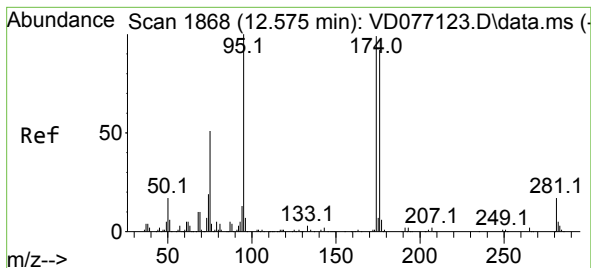
Tgt Ion:117 Resp: 13731
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.906 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

Tgt Ion: 98 Resp: 403988
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5

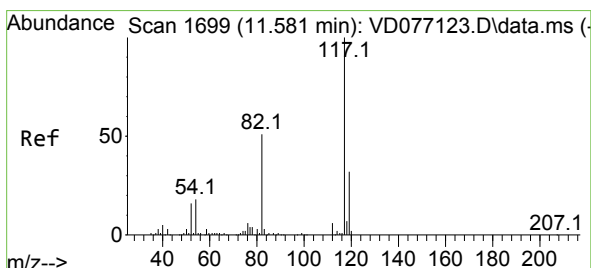
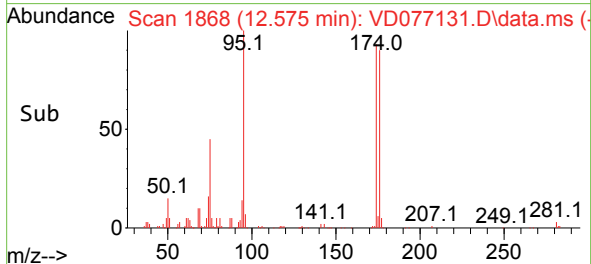
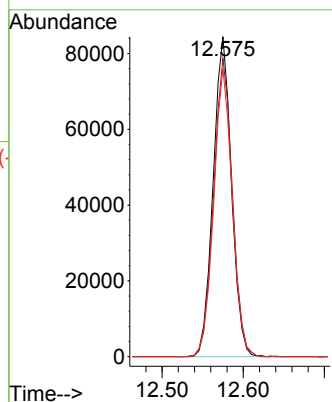
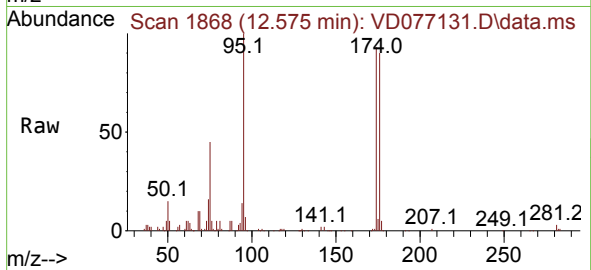




#62
4-Bromofluorobenzene
Concen: 52.730 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

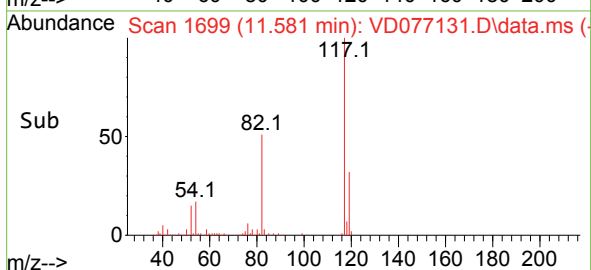
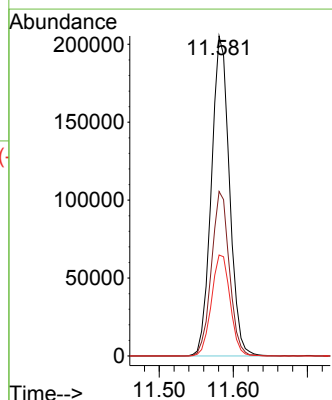
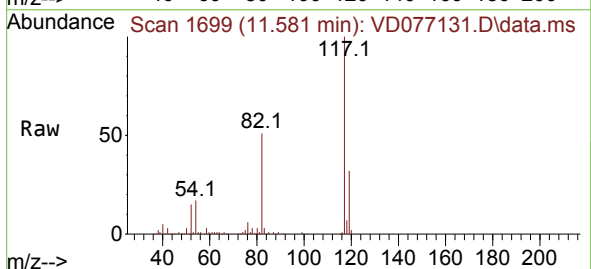
Instrument :
MSVOA_D
ClientSampleId :

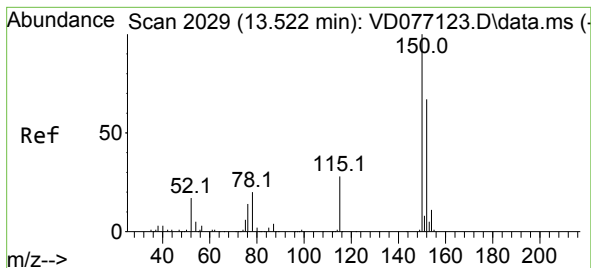
Tgt Ion: 95 Resp: 132298
Ion Ratio Lower Upper
95 100
174 95.6 0.0 201.8
176 91.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077131.D
Acq: 18 Sep 2023 15:54

Tgt Ion: 117 Resp: 347734
Ion Ratio Lower Upper
117 100
82 51.4 38.3 57.5
119 31.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

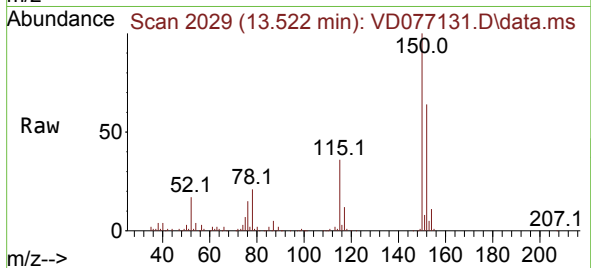
Lab File: VD077131.D

Acq: 18 Sep 2023 15:54

Instrument :

MSVOA_D

ClientSampleId :



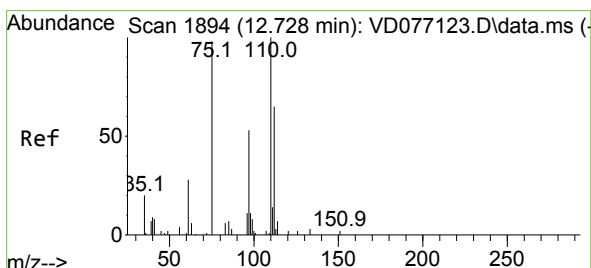
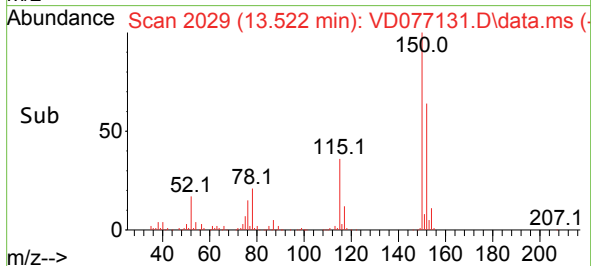
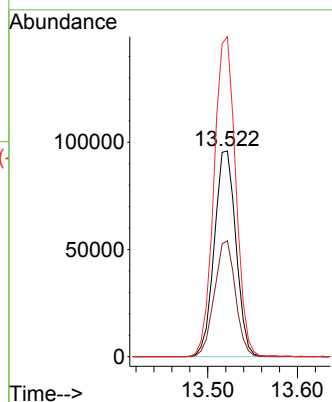
Tgt Ion:152 Resp: 160528

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 156.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 51.908 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077131.D

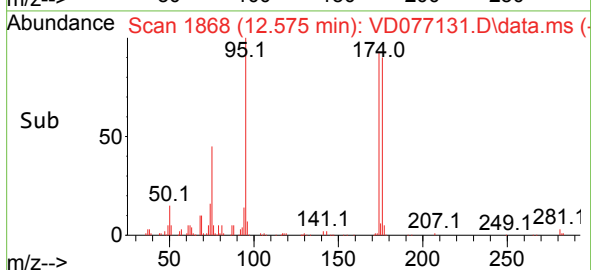
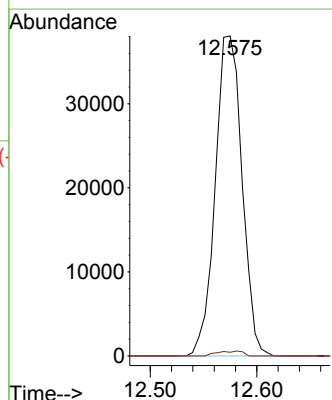
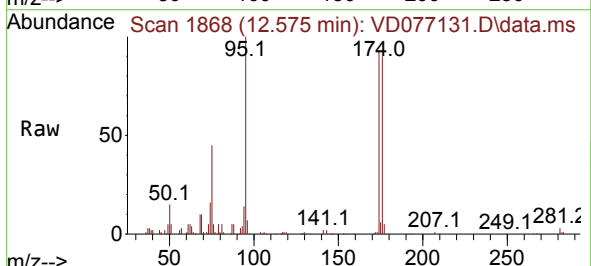
Acq: 18 Sep 2023 15:54

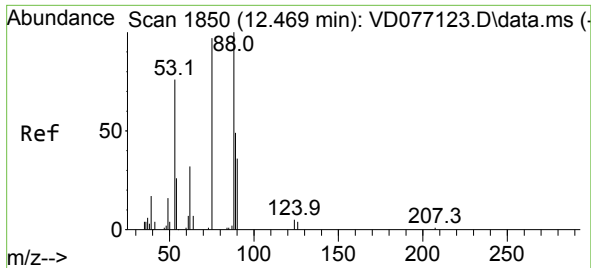
Tgt Ion: 75 Resp: 66468

Ion Ratio Lower Upper

75 100

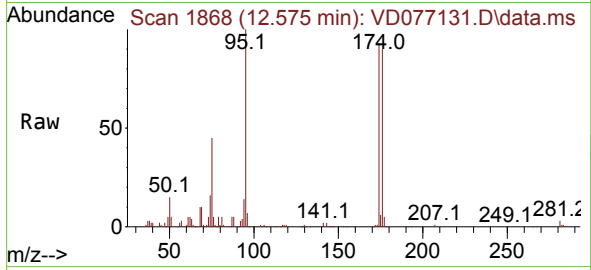
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.252 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077131.D
 Acq: 18 Sep 2023 15:54

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	66468
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.2	37.9	56.9#

