

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078015.D
 Acq On : 21 Dec 2023 02:13
 Operator : RP/MD
 Sample : 05876-05
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:34:19 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)

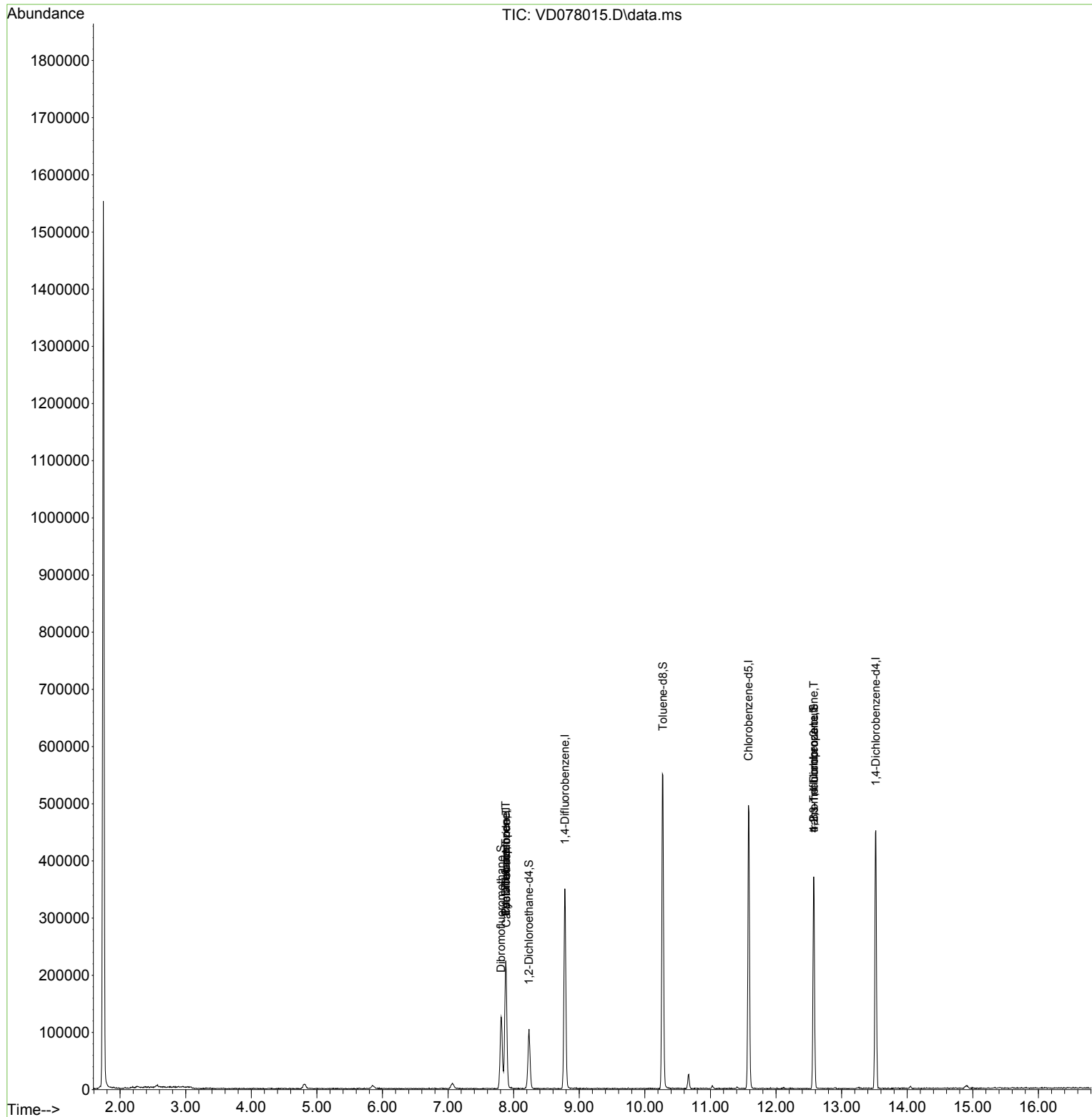
Internal Standards						
1) Pentafluorobenzene	7.881	168	172234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	308387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	290022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	121370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76561	37.724	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.440%
35) Dibromofluoromethane	7.810	113	90826	42.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.100%
50) Toluene-d8	10.275	98	390887	45.181	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.574	95	109477	42.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.045	59	188	Below Cal	#	49
16) Acetone	4.028	43	404	Below Cal	#	32
20) Methylene Chloride	4.804	84	7157	Below Cal		95
25) 2-Butanone	7.069	43	268	Below Cal	#	37
31) Cyclohexane	7.881	56	4319	1.196	ug/l	# 60
36) 1,1-Dichloropropene	7.881	75	14248	4.124	ug/l	# 48
38) Carbon Tetrachloride	7.886	117	17779	5.161	ug/l	# 15
76) 1,2,3-Trichloropropane	12.574	75	57791	54.825	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.574	75	57791	111.079	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.451	75	62	Below Cal	#	1

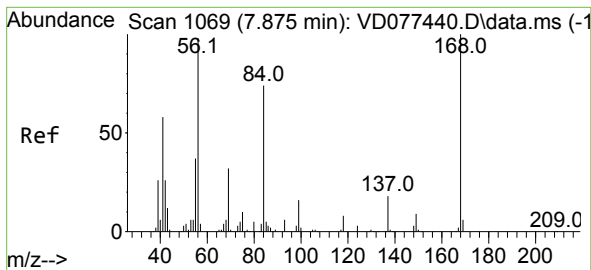
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD078015.D

Acq: 21 Dec 2023 02:13

Instrument :

MSVOA_D

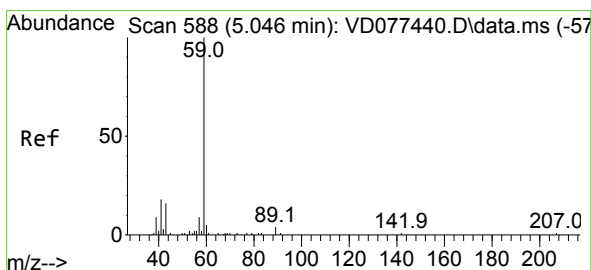
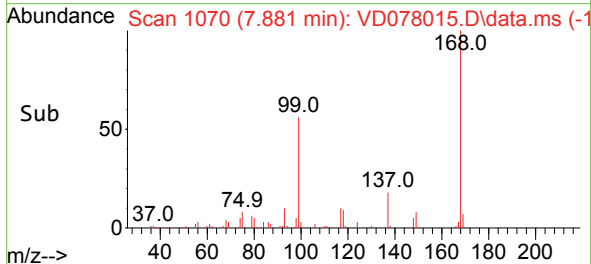
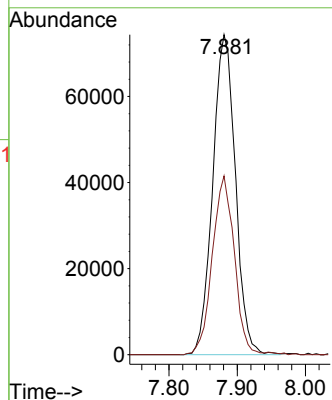
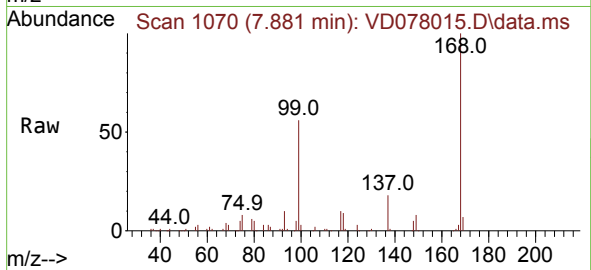
ClientSampleId :

Tgt Ion:168 Resp: 172234

Ion Ratio Lower Upper

168 100

99 55.8 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.045 min Scan# 588

Delta R.T. -0.001 min

Lab File: VD078015.D

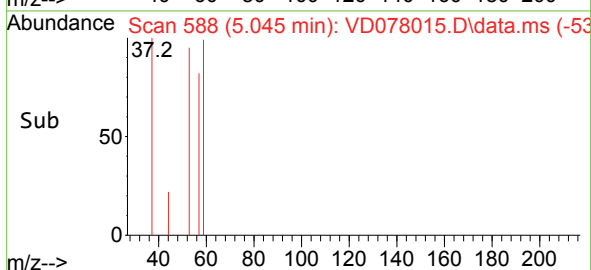
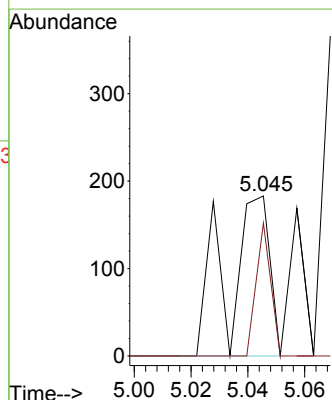
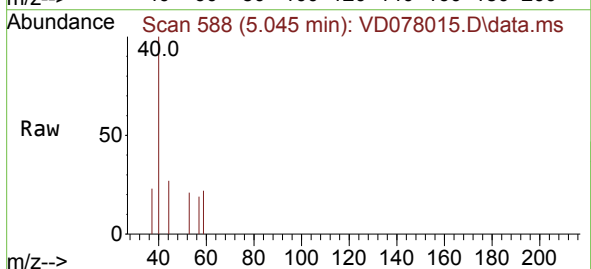
Acq: 21 Dec 2023 02:13

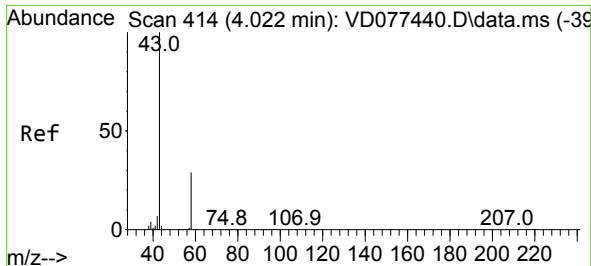
Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 28.7 7.8 11.8#

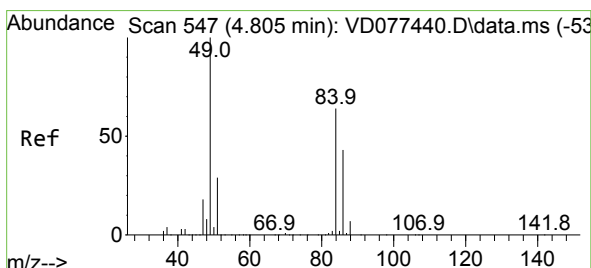
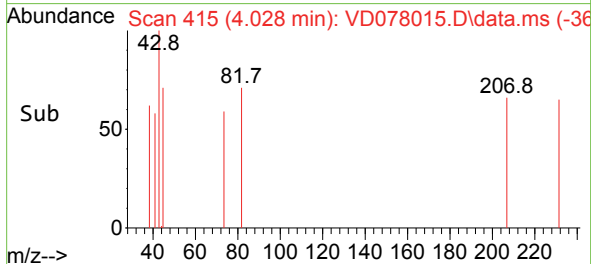
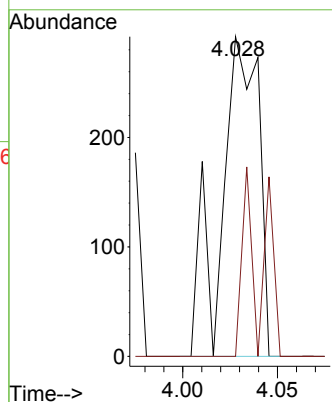
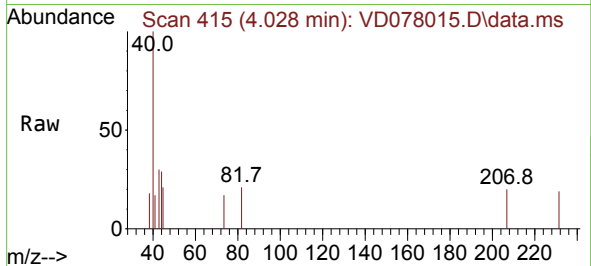




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

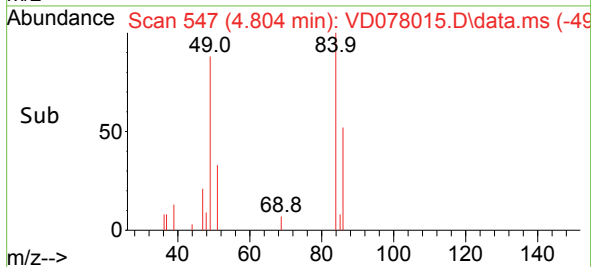
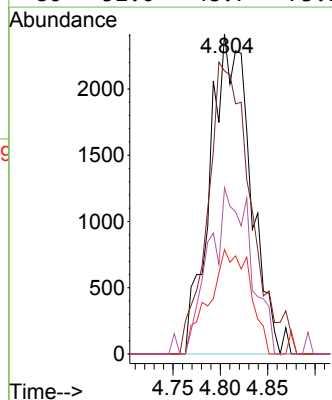
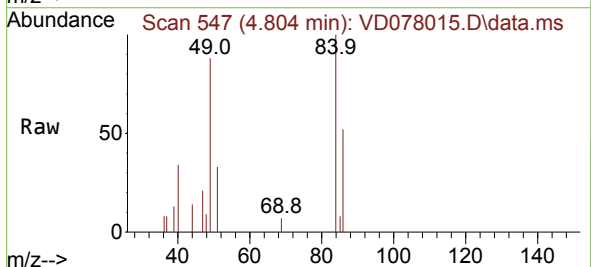
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 547
Delta R.T. -0.001 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

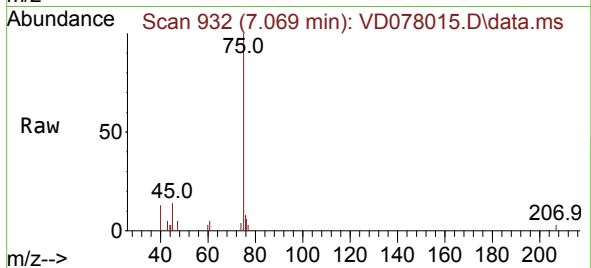
Tgt Ion: 84 Resp: 7157
Ion Ratio Lower Upper
84 100
49 88.4 71.4 107.2
51 32.6 24.5 36.7
86 52.0 48.7 73.1



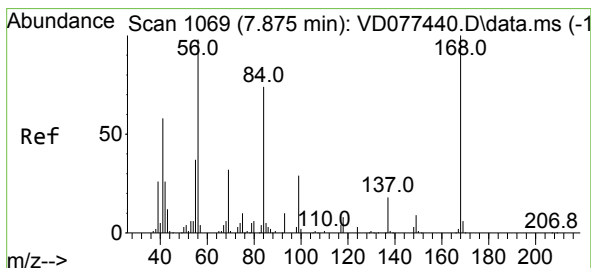
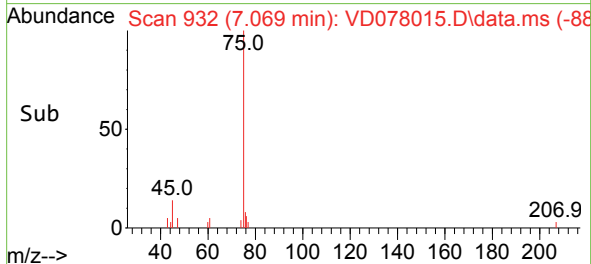
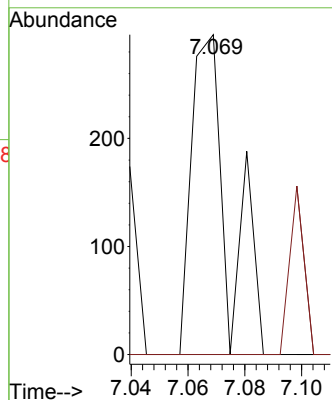


#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Instrument :
MSVOA_D
ClientSampleId :

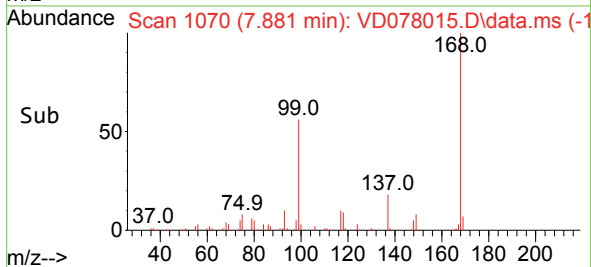
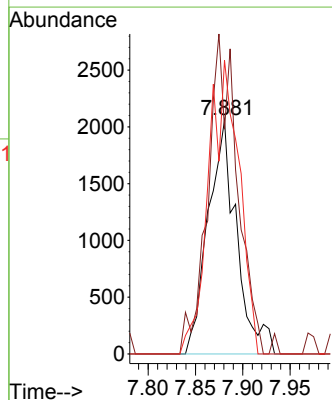
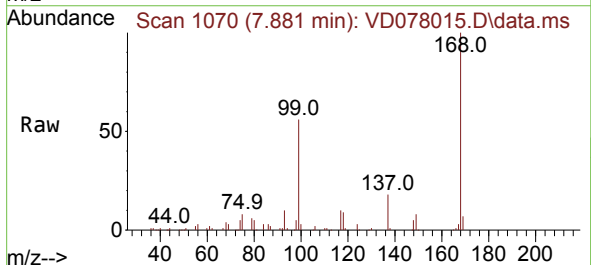


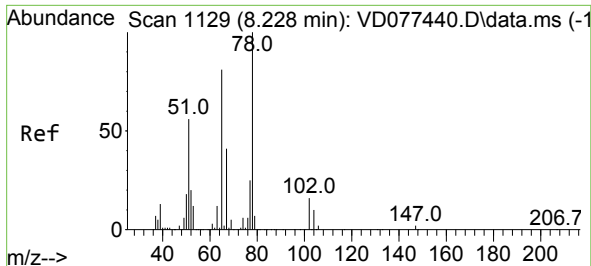
Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Tgt Ion: 56 Resp: 4319
Ion Ratio Lower Upper
56 100
69 96.1 28.6 43.0#
84 125.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 37.724 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078015.D

Acq: 21 Dec 2023 02:13

Instrument :

MSVOA_D

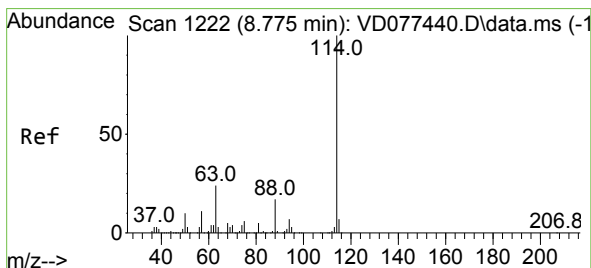
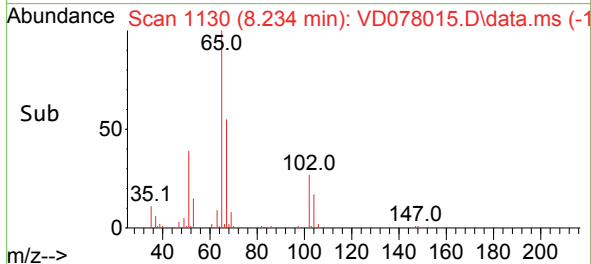
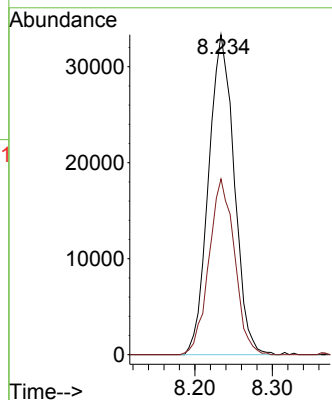
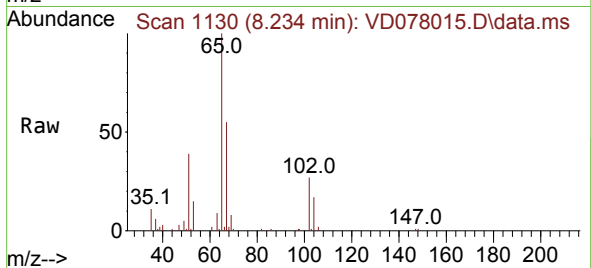
ClientSampleId :

Tgt Ion: 65 Resp: 76561

Ion Ratio Lower Upper

65 100

67 54.8 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: VD078015.D

Acq: 21 Dec 2023 02:13

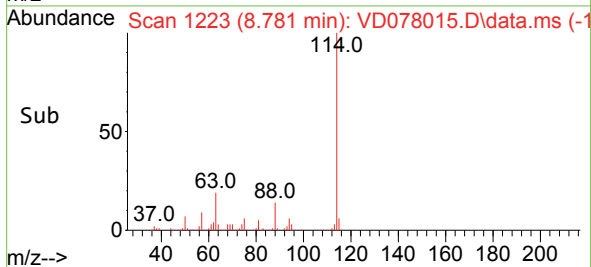
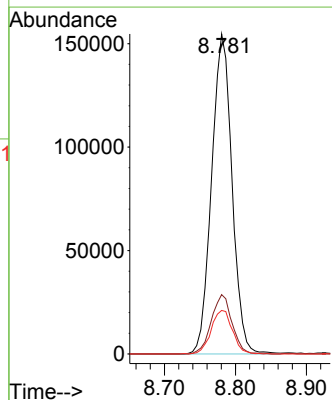
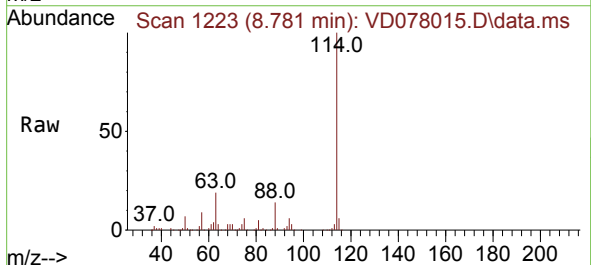
Tgt Ion: 114 Resp: 308387

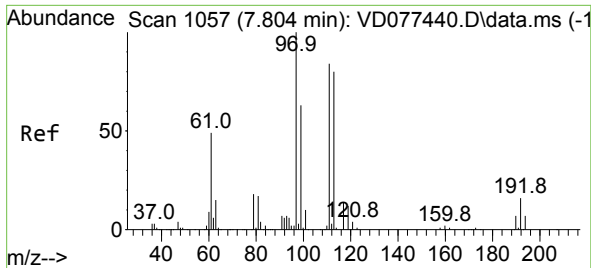
Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

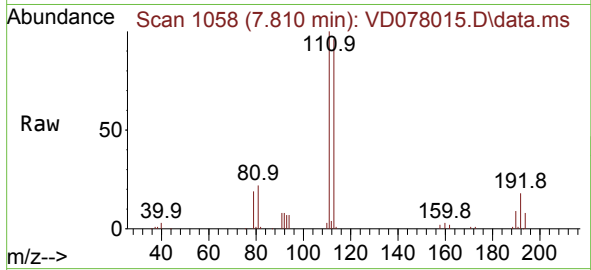
88 13.6 0.0 26.2



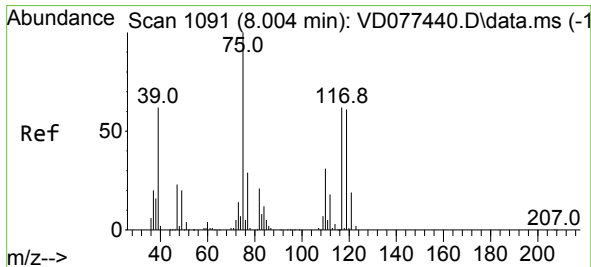
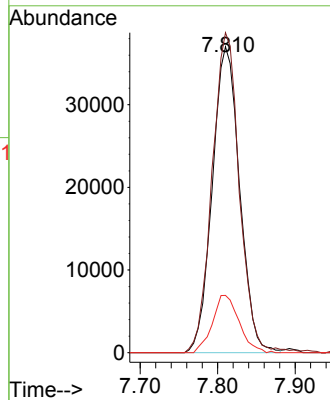
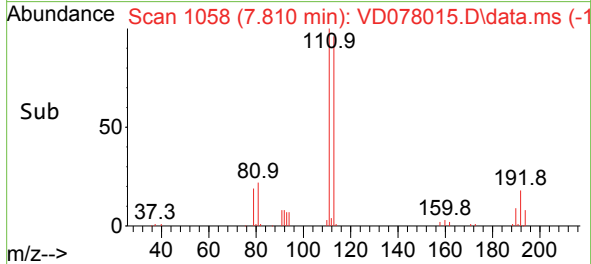


#35
 Dibromofluoromethane
 Concen: 42.046 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD078015.D
 Acq: 21 Dec 2023 02:13

Instrument :
 MSVOA_D
 ClientSampleId :

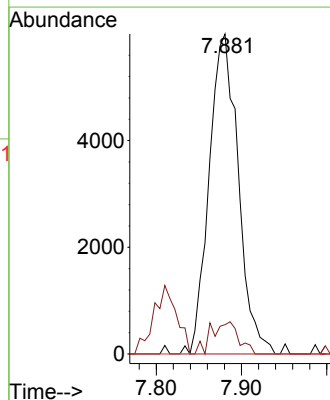
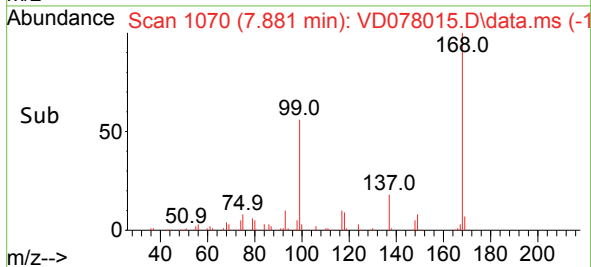
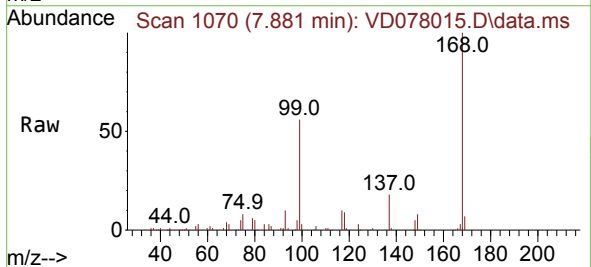


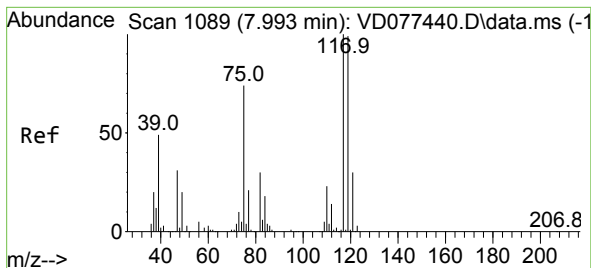
Tgt Ion:113 Resp: 90826
 Ion Ratio Lower Upper
 113 100
 111 104.2 84.7 127.1
 192 18.3 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.124 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.123 min
 Lab File: VD078015.D
 Acq: 21 Dec 2023 02:13

Tgt Ion: 75 Resp: 14248
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.9 59.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.161 ug/l

RT: 7.886 min Scan# 1071

Delta R.T. -0.107 min

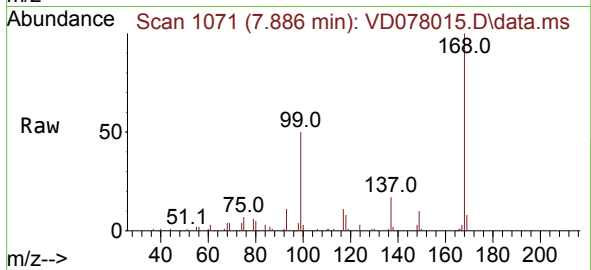
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Acq: 21 Dec 2023 02:13

Instrument :

MSVOA_D

ClientSampleId :



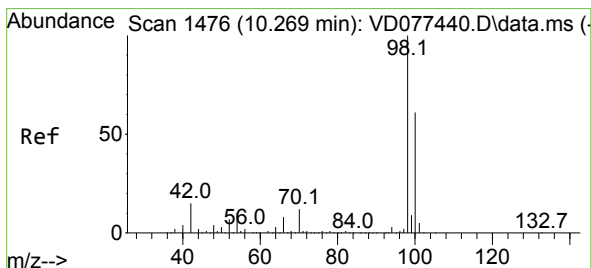
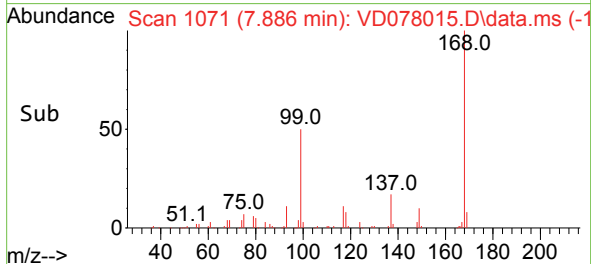
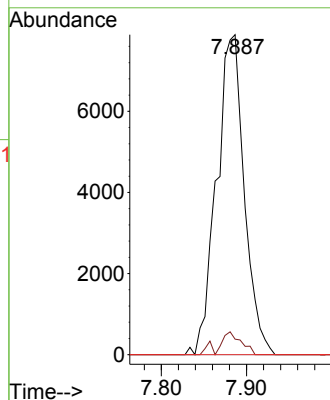
Tgt Ion:117 Resp: 17779

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.181 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD078015.D

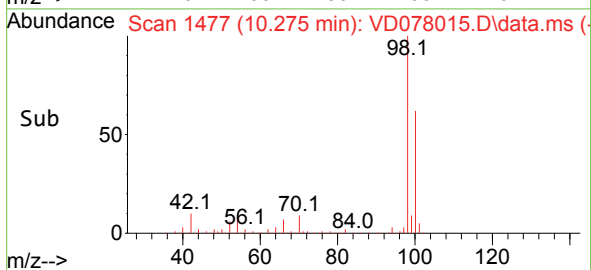
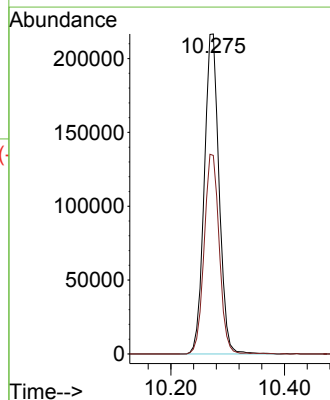
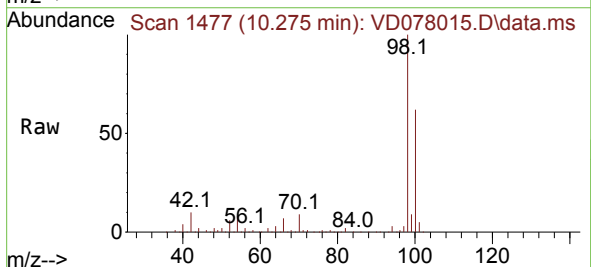
Acq: 21 Dec 2023 02:13

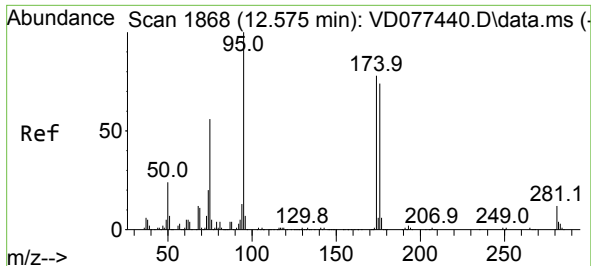
Tgt Ion: 98 Resp: 390887

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5

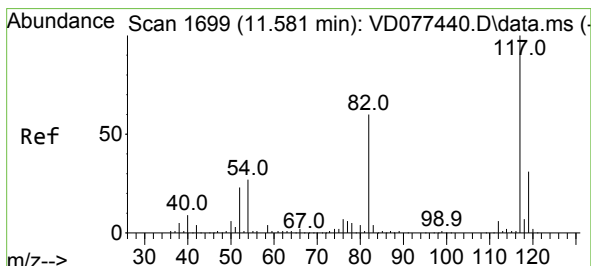
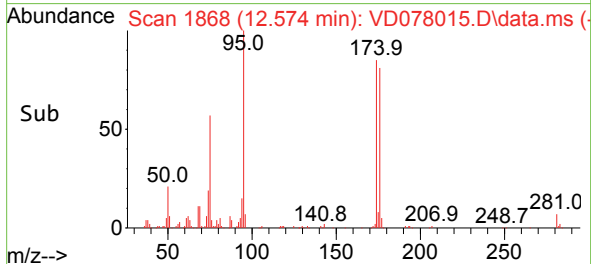
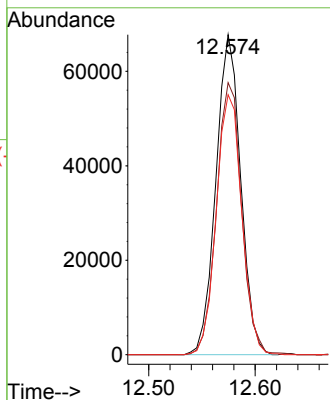
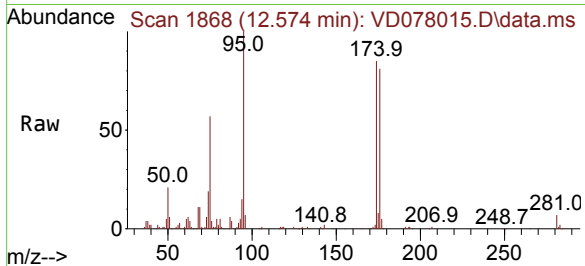




#62
4-Bromofluorobenzene
Concen: 42.324 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

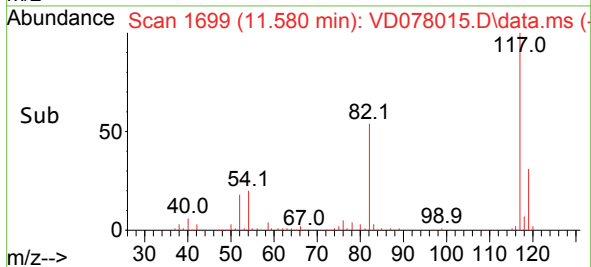
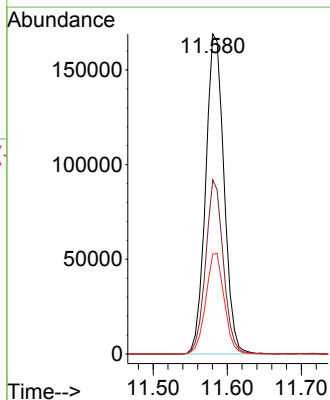
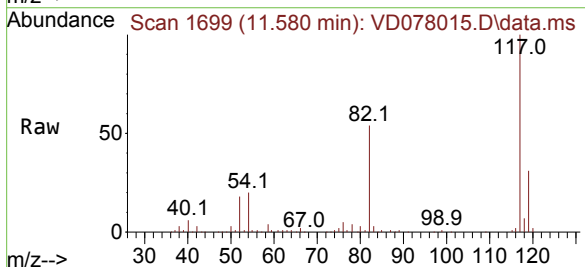
Instrument :
MSVOA_D
ClientSampleId :

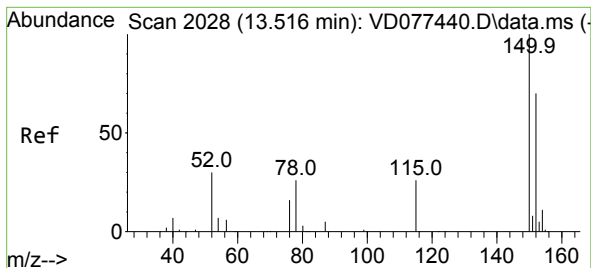
Tgt Ion: 95 Resp: 109477
Ion Ratio Lower Upper
95 100
174 86.1 0.0 201.8
176 83.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD078015.D
Acq: 21 Dec 2023 02:13

Tgt Ion: 117 Resp: 290022
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 31.2 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.005 min

Lab File: VD078015.D

Acq: 21 Dec 2023 02:13

Instrument :

MSVOA_D

ClientSampleId :

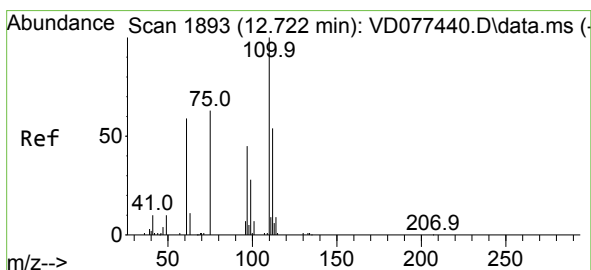
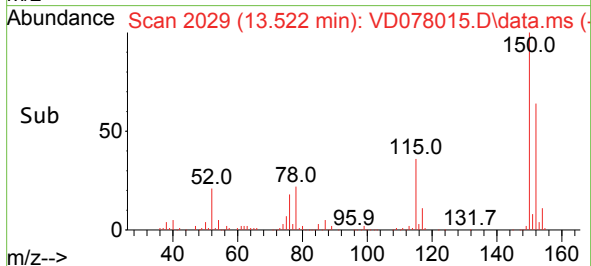
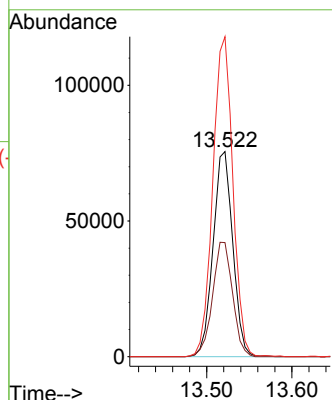
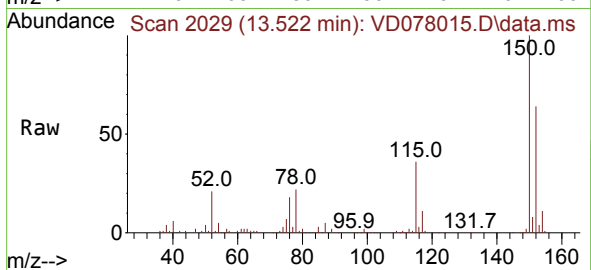
Tgt Ion:152 Resp: 121370

Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

150 158.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.825 ug/l

RT: 12.574 min Scan# 1868

Delta R.T. -0.148 min

Lab File: VD078015.D

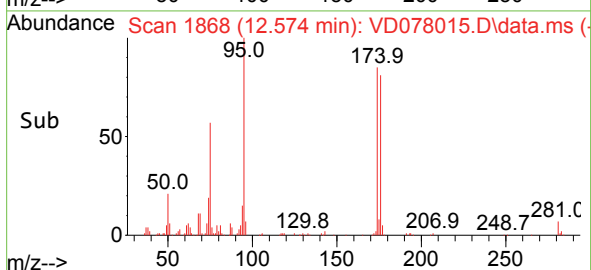
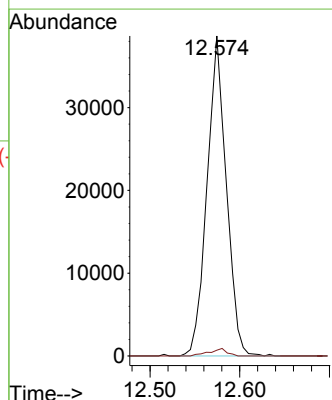
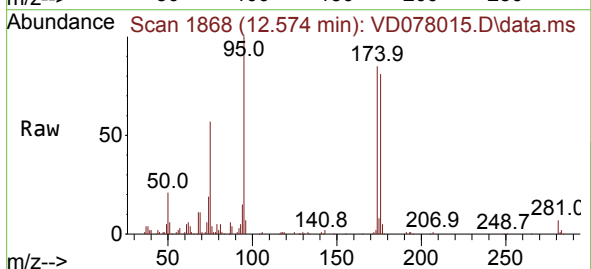
Acq: 21 Dec 2023 02:13

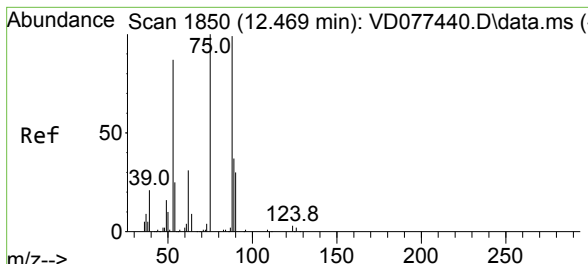
Tgt Ion: 75 Resp: 57791

Ion Ratio Lower Upper

75 100

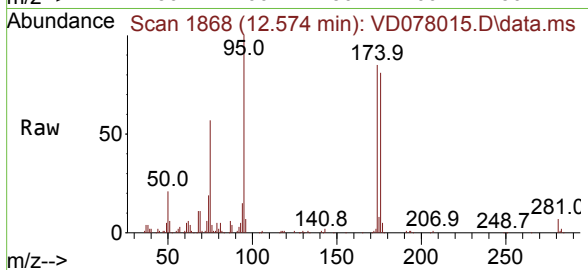
77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.079 ug/l
 RT: 12.574 min Scan# 1868
 Delta R.T. 0.105 min
 Lab File: VD078015.D
 Acq: 21 Dec 2023 02:13

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	57791
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

