

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075353.D
 Acq On : 17 Feb 2023 14:01
 Operator : KP/SY
 Sample : 01593-01
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-13-SB01

Quant Time: Feb 18 01:05:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

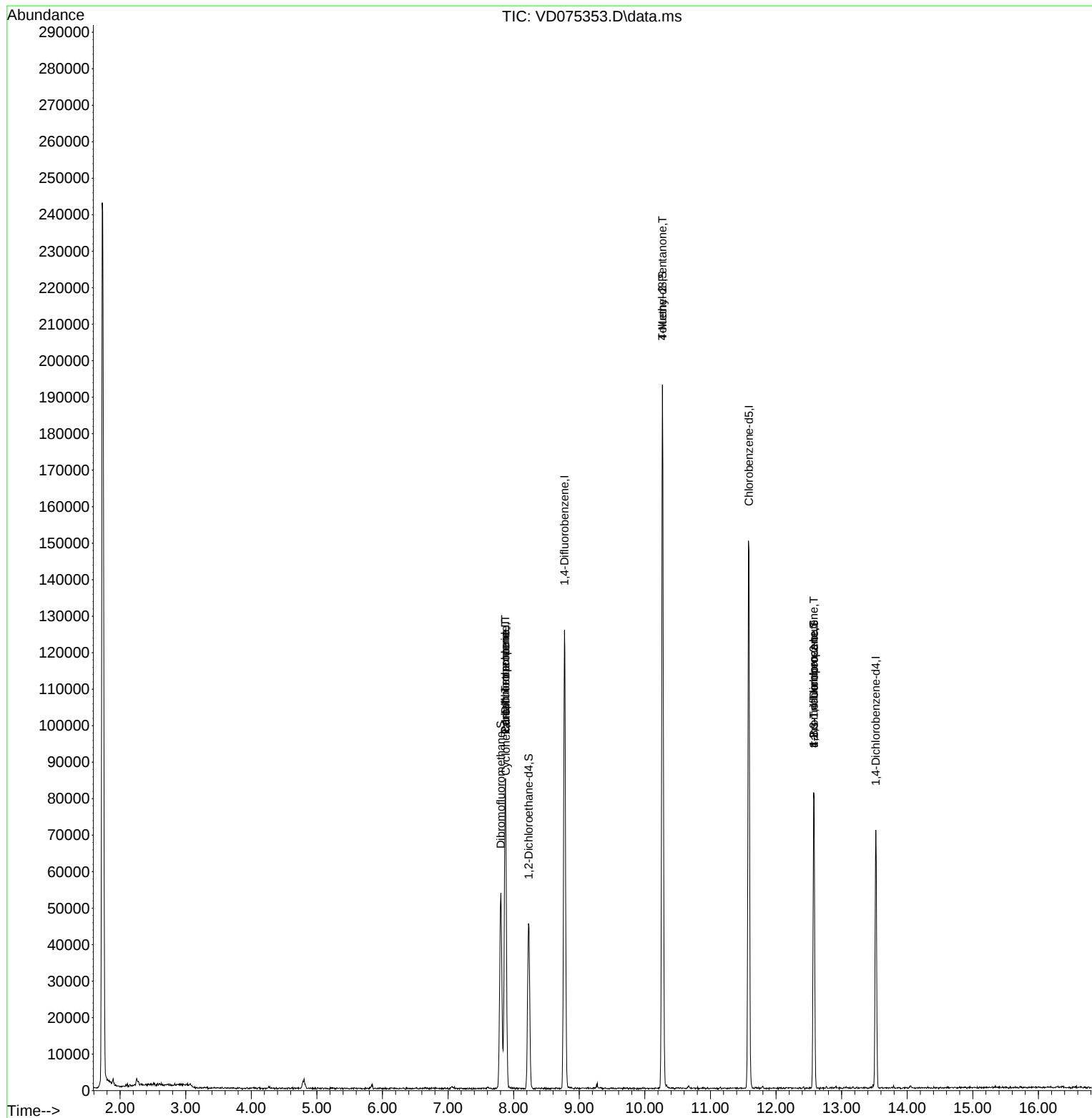
Internal Standards						
1) Pentafluorobenzene	7.875	168	62862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	106607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	81683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	18097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	36225	49.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.280%		
35) Dibromofluoromethane	7.804	113	37092	49.620	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.240%		
50) Toluene-d8	10.269	98	126584	44.652	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.300%		
62) 4-Bromofluorobenzene	12.575	95	24807	26.538	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	53.080%		
Target Compounds						
2) Dichlorodifluoromethane	1.934	85	73	Below Cal	#	43
3) Chloromethane	2.152	50	299	Below Cal	#	41
20) Methylene Chloride	4.805	84	1709	Below Cal	#	87
31) Cyclohexane	7.881	56	1820	1.391	ug/l #	59
36) 1,1-Dichloropropene	7.875	75	5571	4.784	ug/l #	43
38) Carbon Tetrachloride	7.875	117	6468	5.994	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	556	1.133	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	13528	65.812	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	13528	206.770	ug/l #	14

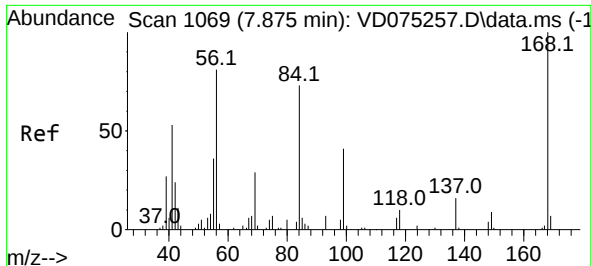
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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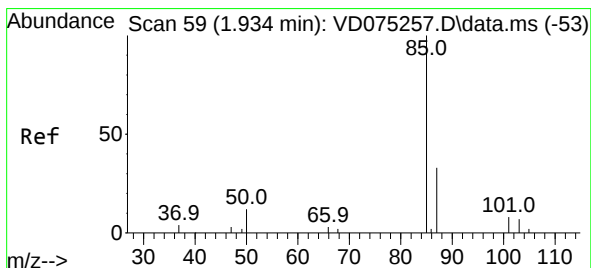
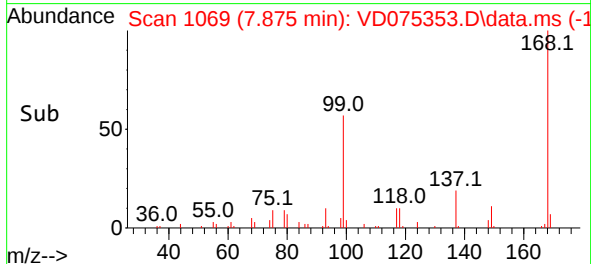
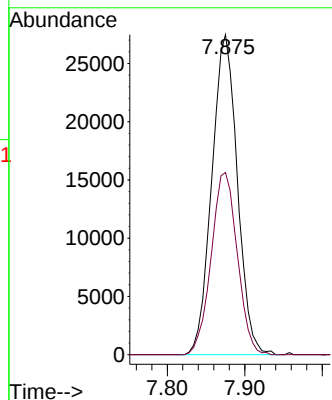
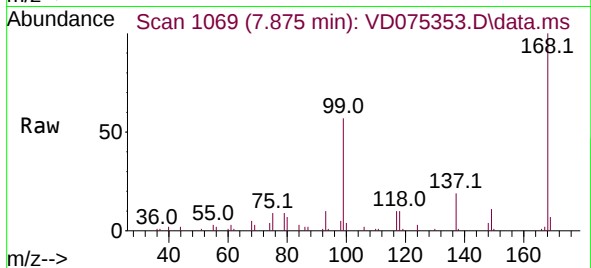




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

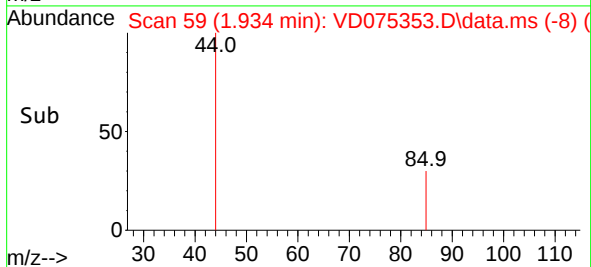
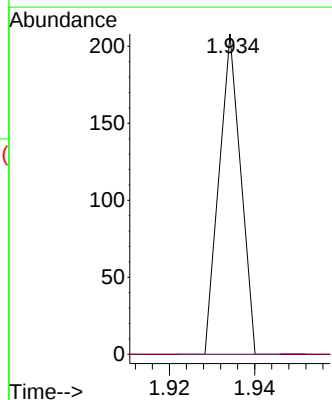
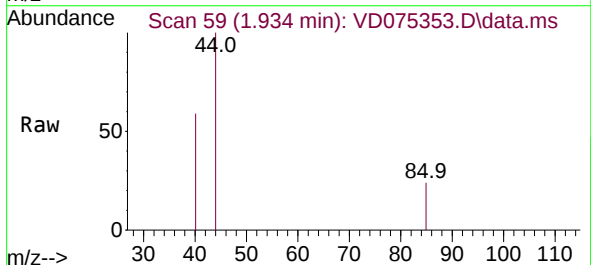
Instrument :
MSVOA_D
ClientSampleId :
B-13-SB01

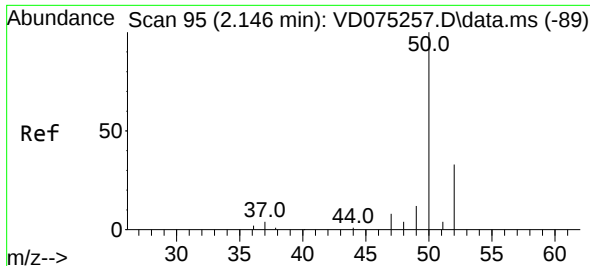
Tgt Ion:168 Resp: 62862
Ion Ratio Lower Upper
168 100
99 57.0 45.2 67.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

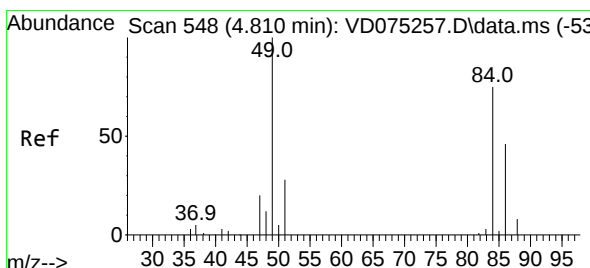
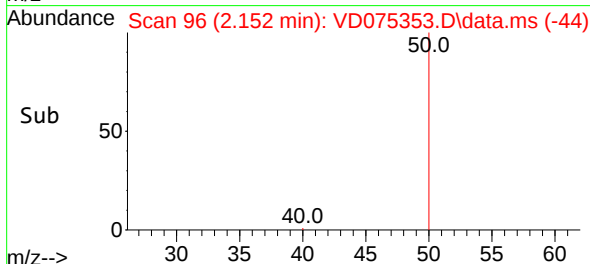
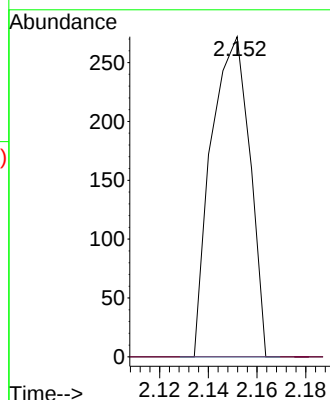
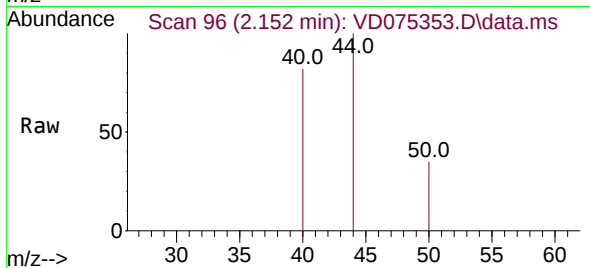




#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

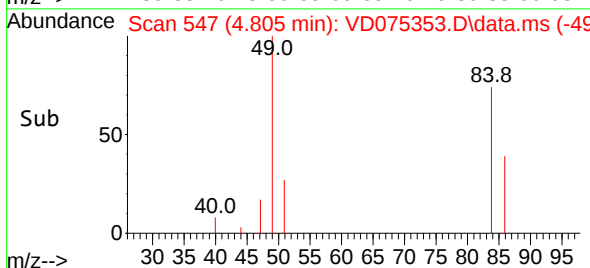
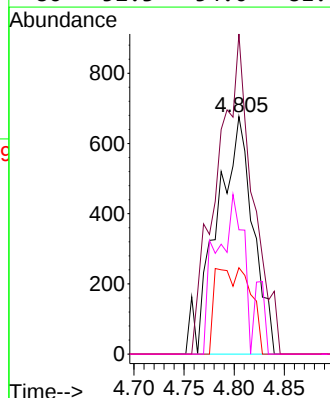
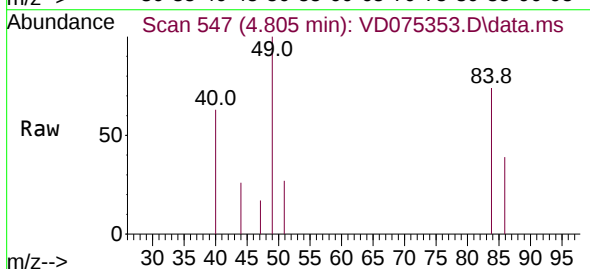
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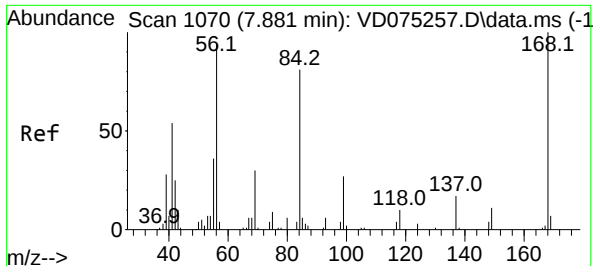
Tgt Ion: 50 Resp: 299
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion: 84 Resp: 1709
Ion Ratio Lower Upper
84 100
49 134.7 97.0 145.6
51 36.3 30.9 46.3
86 52.3 54.0 81.0#





#31

Cyclohexane

Concen: 1.391 ug/l

RT: 7.881 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075353.D

Acq: 17 Feb 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

B-13-SB01

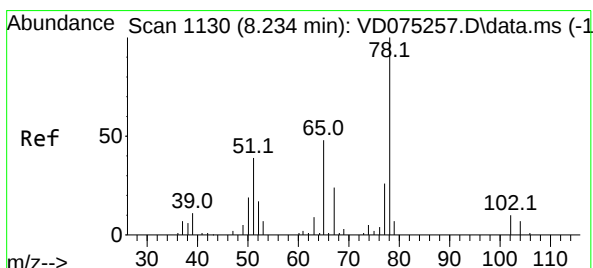
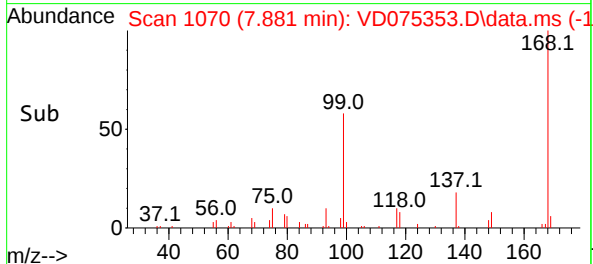
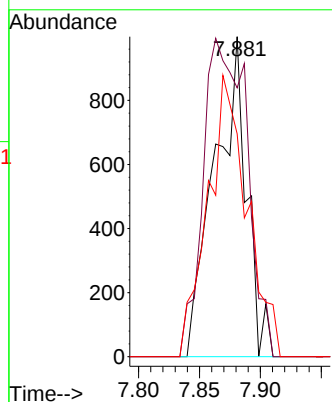
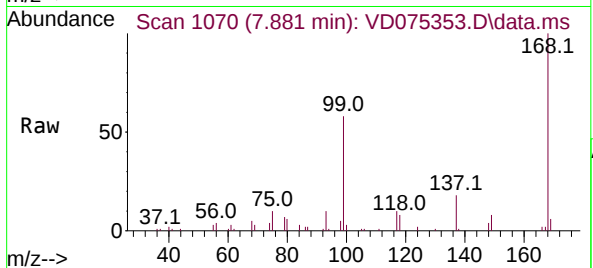
Tgt Ion: 56 Resp: 1820

Ion Ratio Lower Upper

56 100

69 84.0 26.6 40.0#

84 69.7 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 49.145 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075353.D

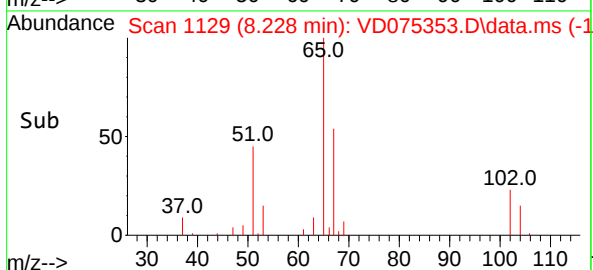
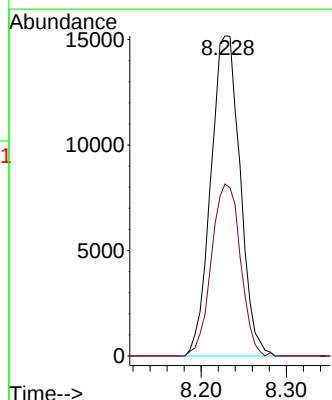
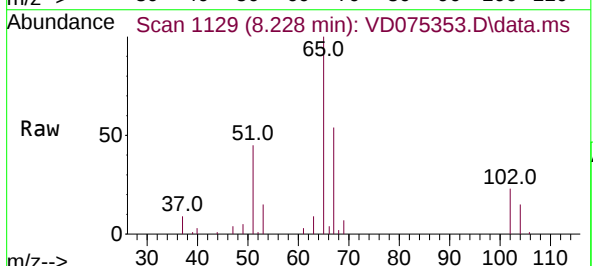
Acq: 17 Feb 2023 14:01

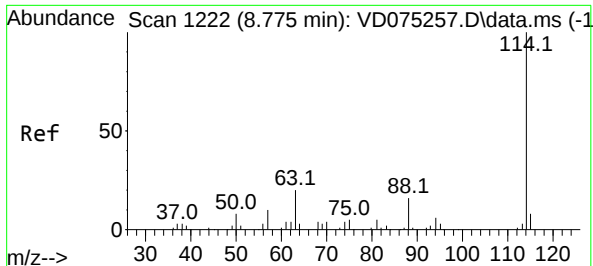
Tgt Ion: 65 Resp: 36225

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075353.D

Acq: 17 Feb 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

B-13-SB01

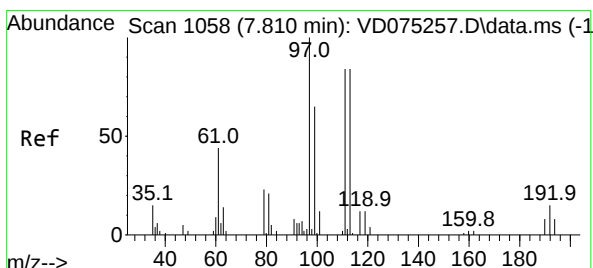
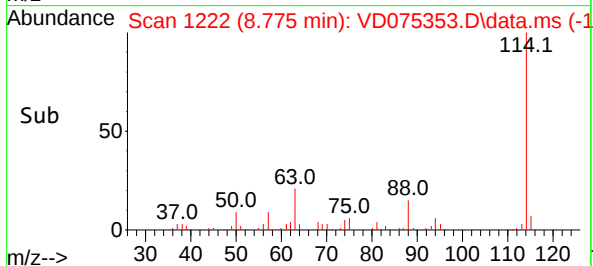
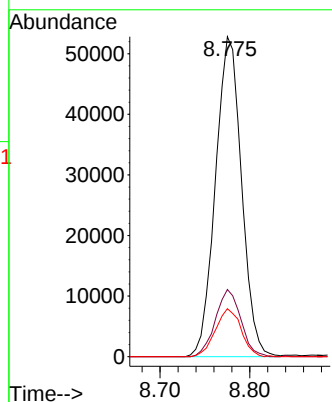
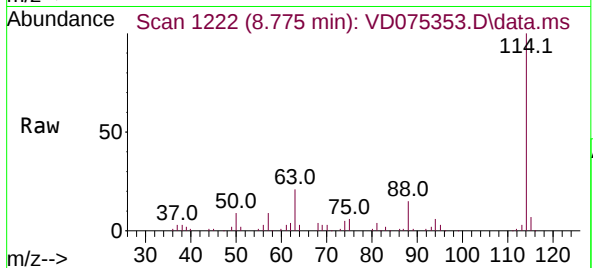
Tgt Ion:114 Resp: 106607

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075353.D

Acq: 17 Feb 2023 14:01

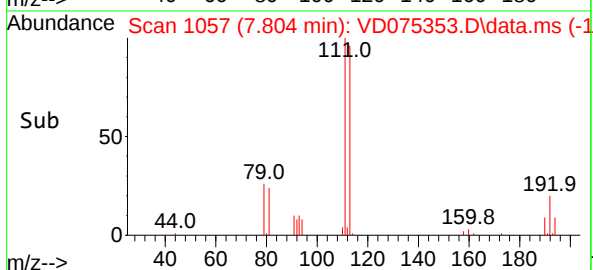
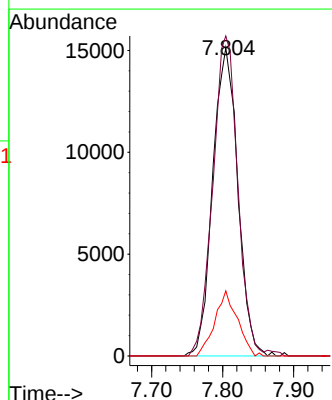
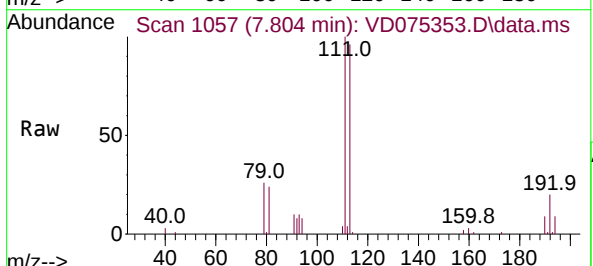
Tgt Ion:113 Resp: 37092

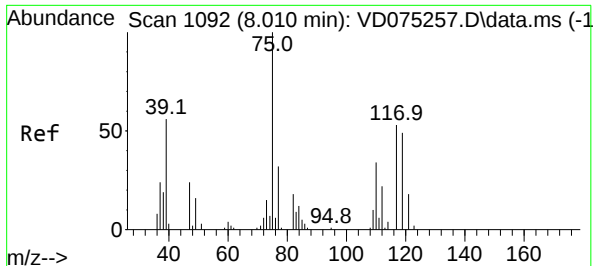
Ion Ratio Lower Upper

113 100

111 102.6 80.1 120.1

192 19.0 15.4 23.0

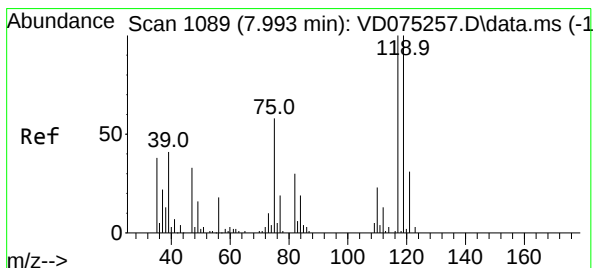
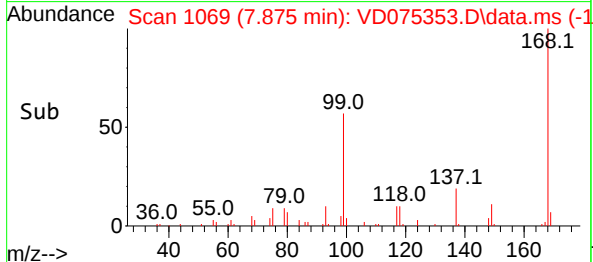
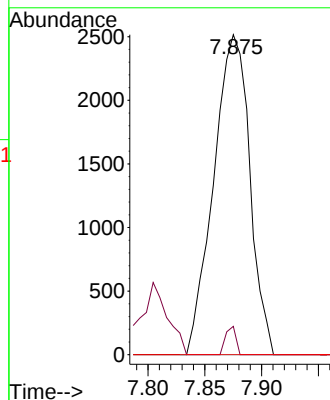
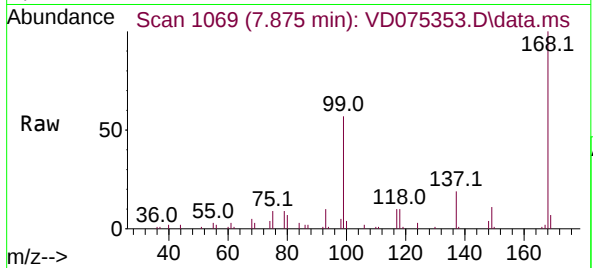




#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

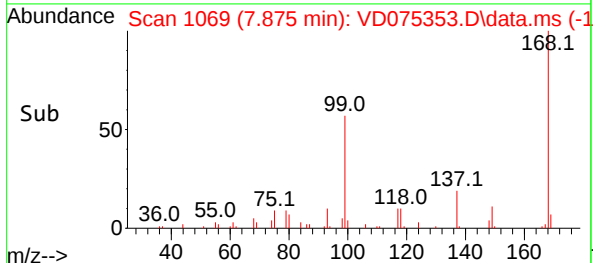
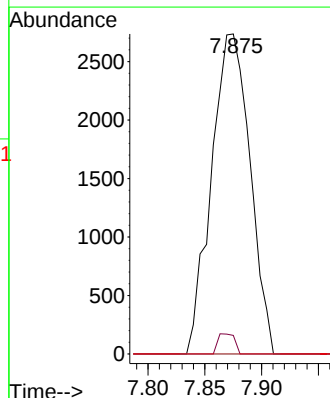
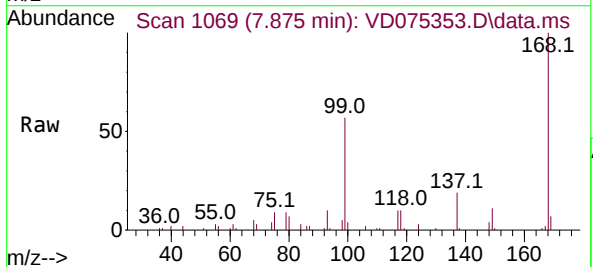
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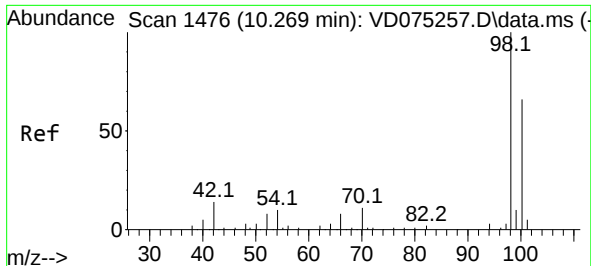
Tgt Ion: 75 Resp: 5571
Ion Ratio Lower Upper
75 100
110 2.5 18.1 54.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion: 117 Resp: 6468
Ion Ratio Lower Upper
117 100
119 5.8 73.6 110.4#
121 0.0 25.4 38.0#

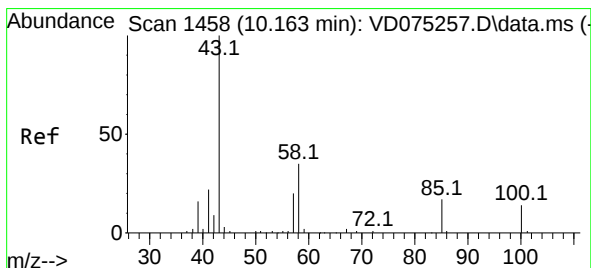
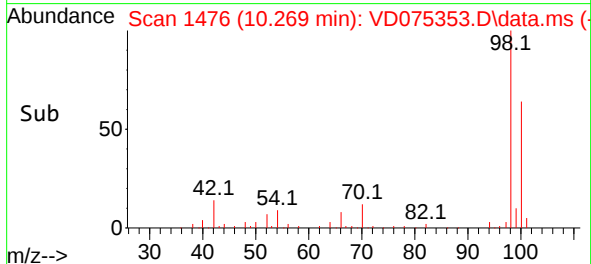
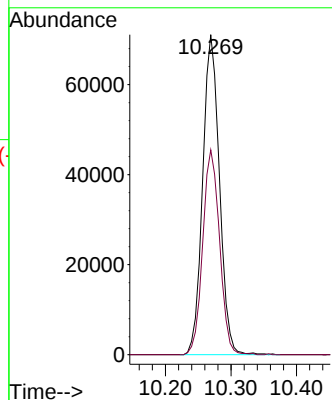
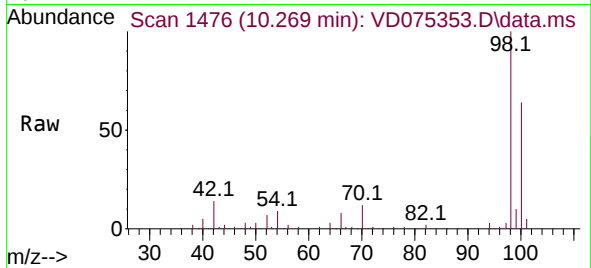




#50
Toluene-d8
Concen: 44.652 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

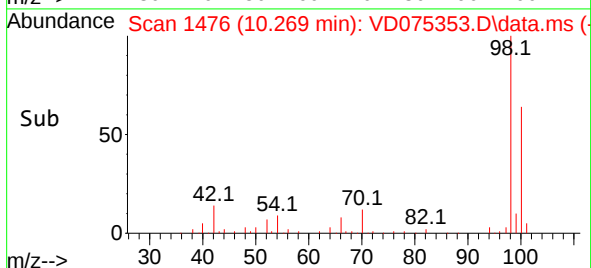
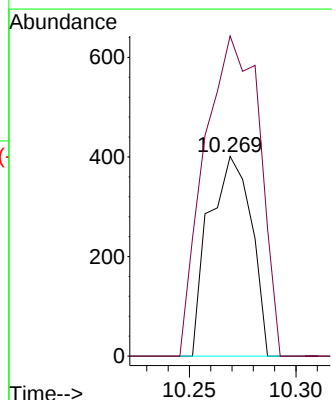
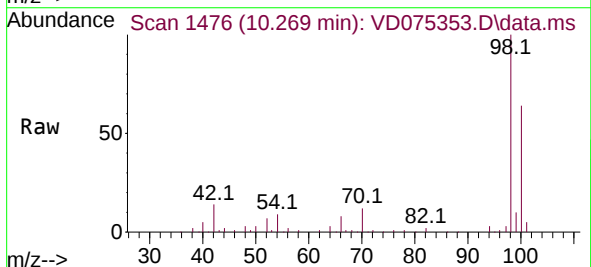
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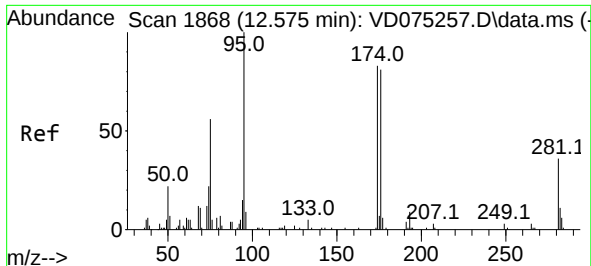
Tgt Ion: 98 Resp: 126584
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
58 207.4 31.4 47.0#

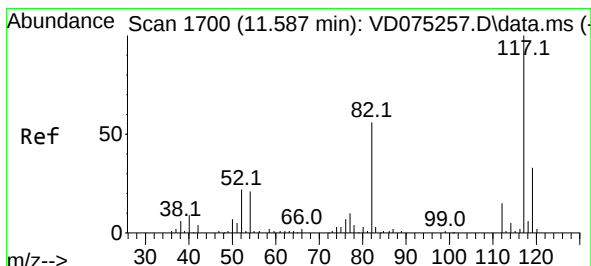
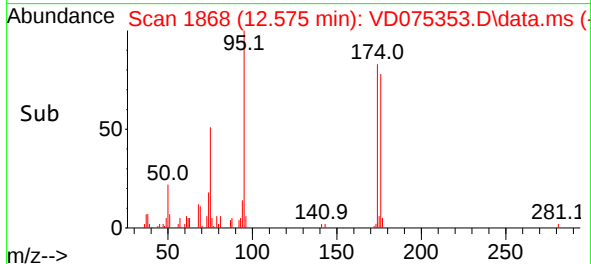
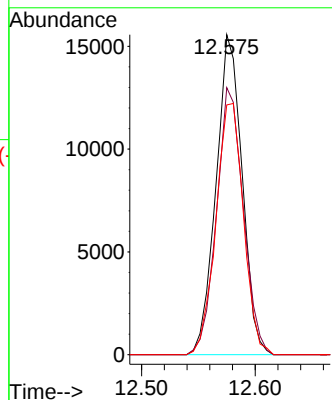
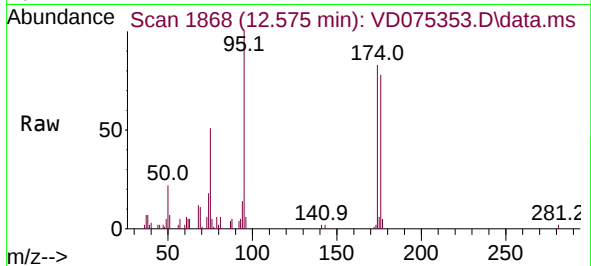




#62
4-Bromofluorobenzene
Concen: 26.538 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

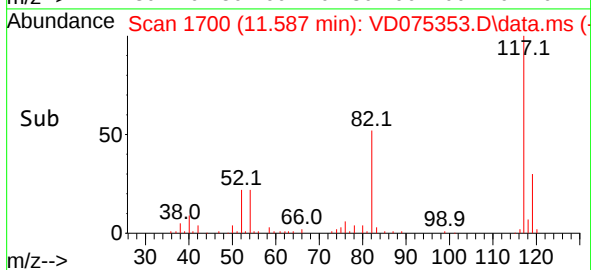
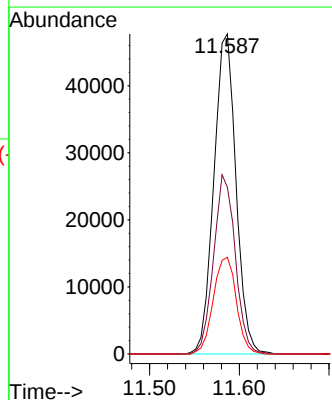
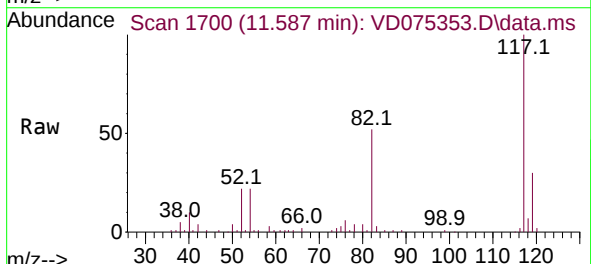
Instrument :
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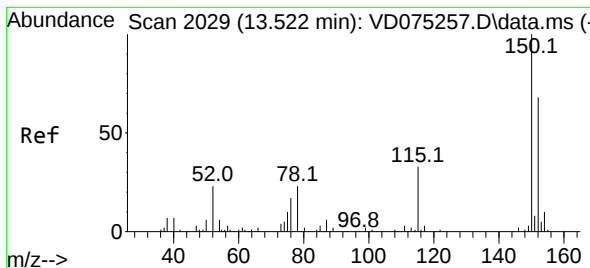
Tgt Ion: 95 Resp: 24807
Ion Ratio Lower Upper
95 100
174 85.6 0.0 161.2
176 82.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075353.D
Acq: 17 Feb 2023 14:01

Tgt Ion: 117 Resp: 81683
Ion Ratio Lower Upper
117 100
82 52.1 39.6 59.4
119 30.2 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075353.D

Acq: 17 Feb 2023 14:01

Instrument :

MSVOA_D

ClientSampleId :

B-13-SB01

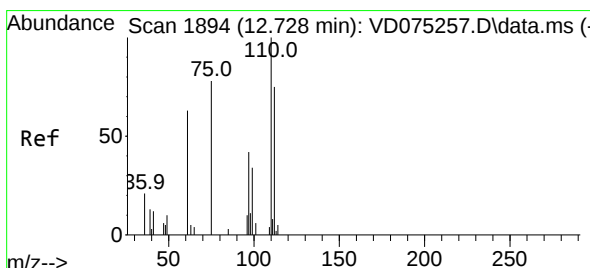
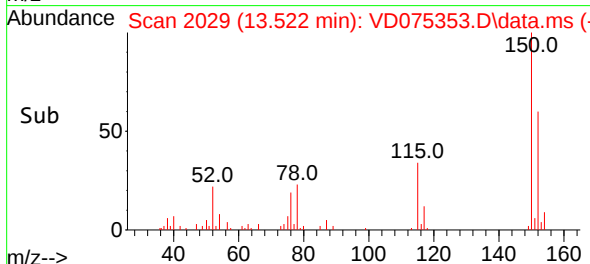
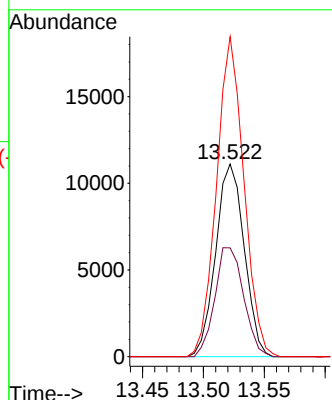
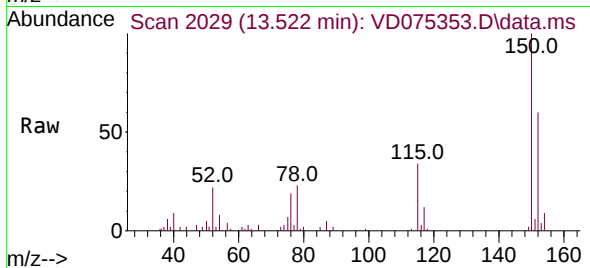
Tgt Ion:152 Resp: 18097

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.4

150 159.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 65.812 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075353.D

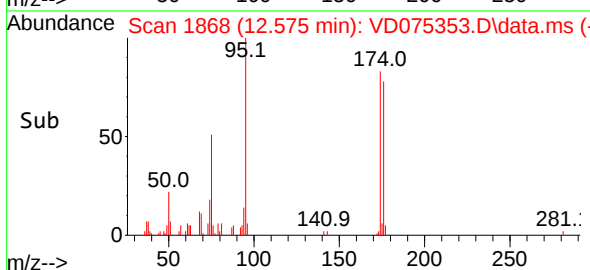
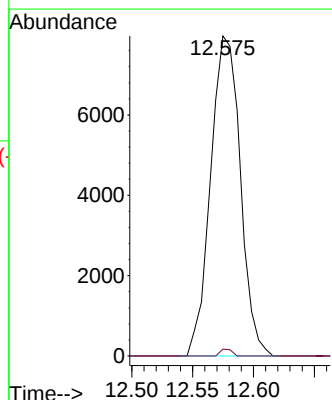
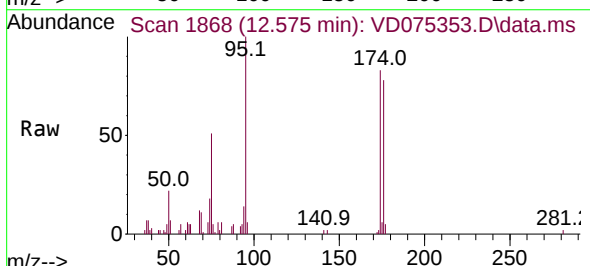
Acq: 17 Feb 2023 14:01

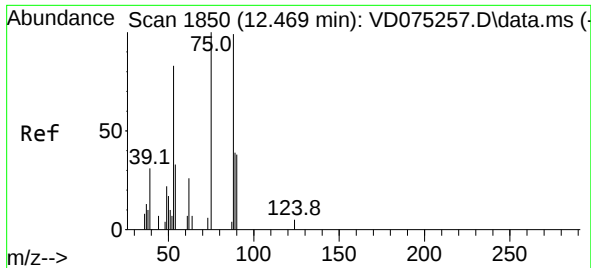
Tgt Ion: 75 Resp: 13528

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 206.770 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075353.D
 Acq: 17 Feb 2023 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 B-13-SB01

Tgt Ion: 75 Resp: 13528
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

