

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101722\
 Data File : VD074549.D
 Acq On : 17 Oct 2022 17:18
 Operator : VA/SY
 Sample : N5140-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-3.5-4.0

Quant Time: Oct 17 23:09:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

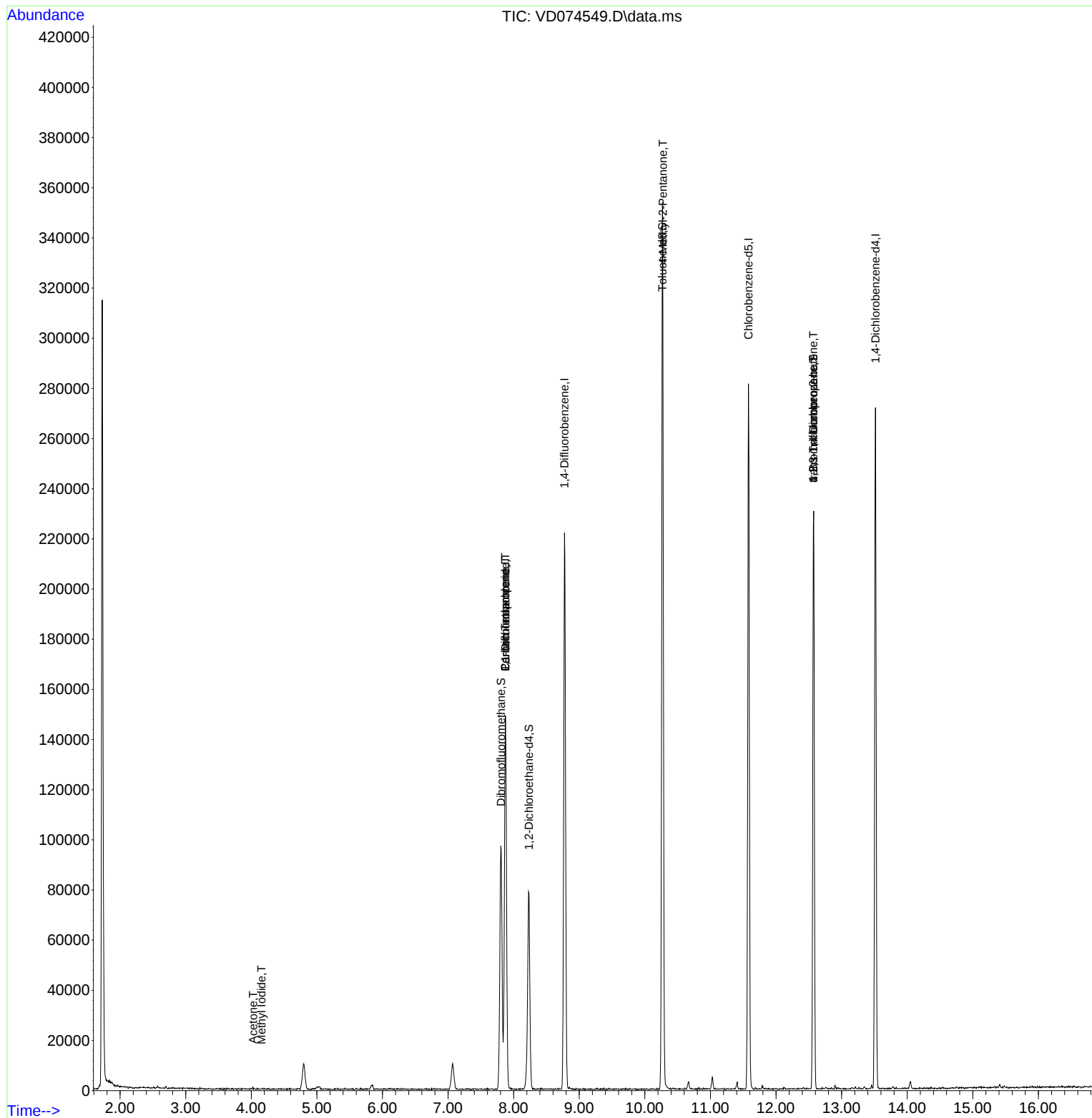
Internal Standards						
1) Pentafluorobenzene	7.875	168	121982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	208337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	76397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59330	56.507	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.020%
35) Dibromofluoromethane	7.810	113	72737	58.425	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.840%
50) Toluene-d8	10.269	98	252664	52.874	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.740%
62) 4-Bromofluorobenzene	12.569	95	71467	48.636	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.280%
Target Compounds						
10) Methyl Iodide	4.158	142	258	5.424	ug/l #	43
11) Tert butyl alcohol	5.016	59	642	Below Cal	#	84
16) Acetone	4.028	43	273	1.205	ug/l #	37
20) Methylene Chloride	4.799	84	8427	Below Cal	#	84
36) 1,1-Dichloropropene	7.875	75	8297	4.150	ug/l #	48
38) Carbon Tetrachloride	7.875	117	10843	5.865	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	705	1.182	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	34735	53.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	34735	134.951	ug/l #	17

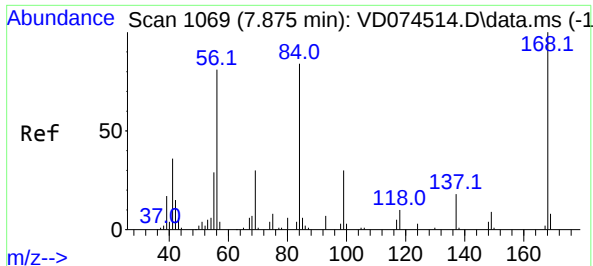
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101722\
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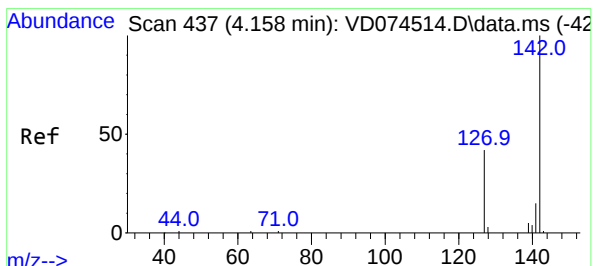
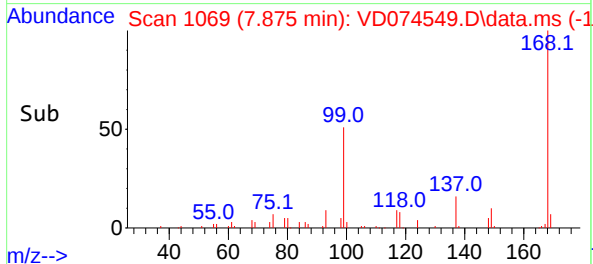
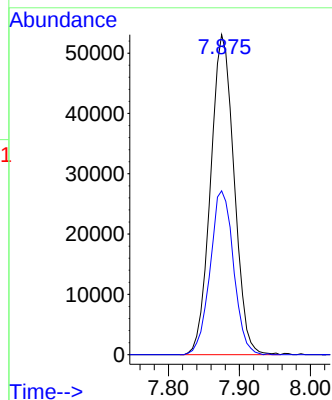
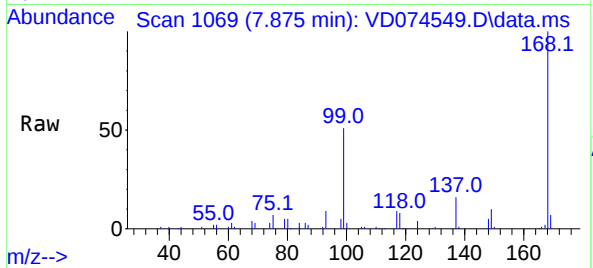




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

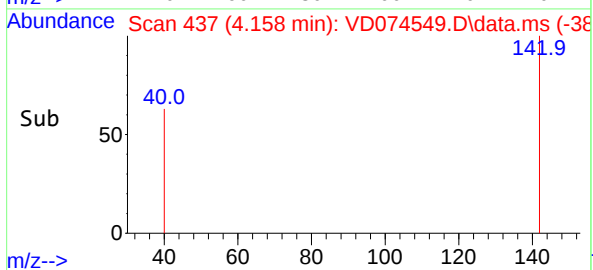
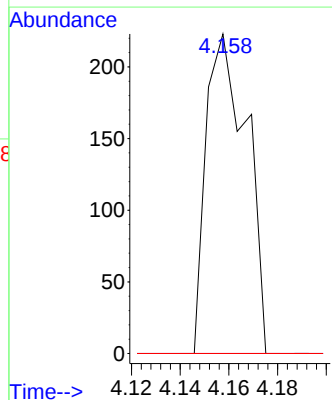
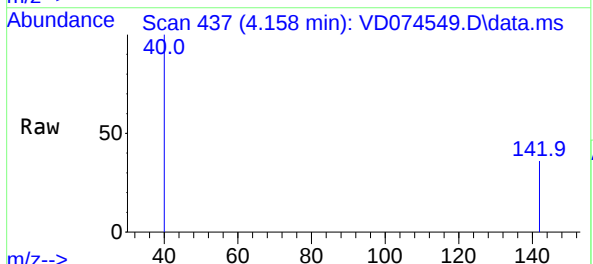
Instrument :
MSVOA_D
ClientSampleId :
SB-03-3.5-4.0

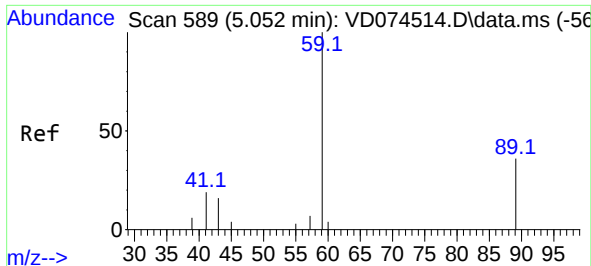
Tgt Ion:168 Resp: 121982
Ion Ratio Lower Upper
168 100
99 51.2 40.9 61.3



#10
Methyl Iodide
Concen: 5.424 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

Tgt Ion:142 Resp: 258
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

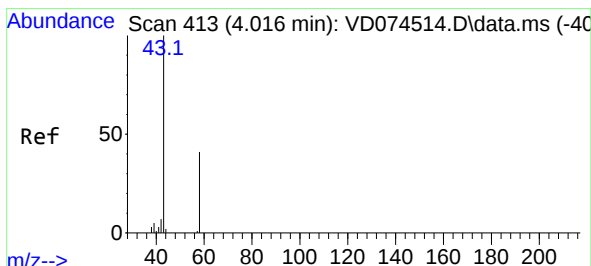
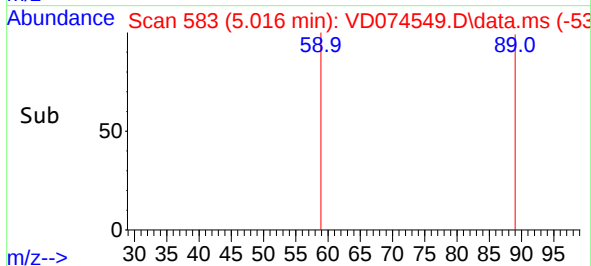
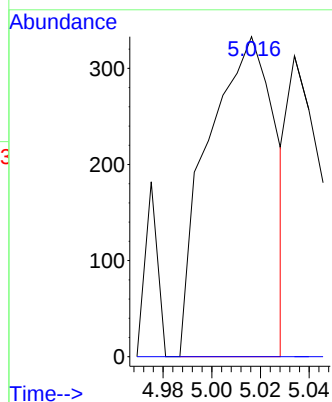
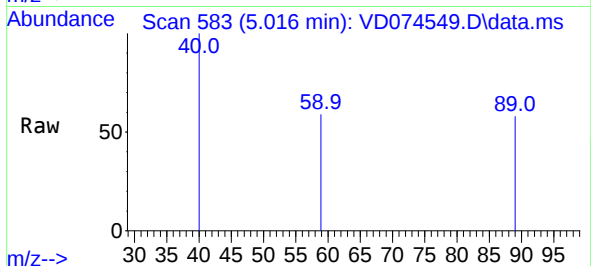




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

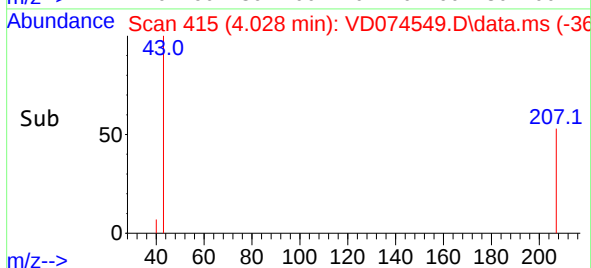
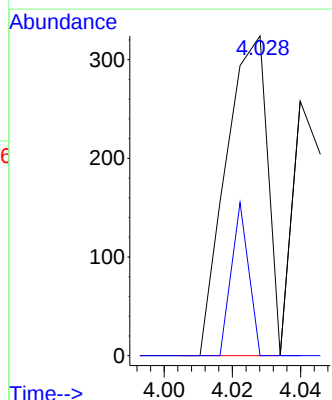
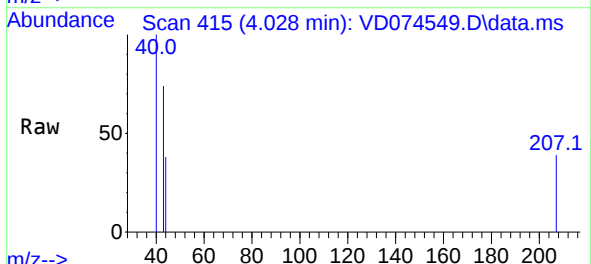
Instrument :
MSVOA_D
ClientSampleId :
SB-03-3.5-4.0

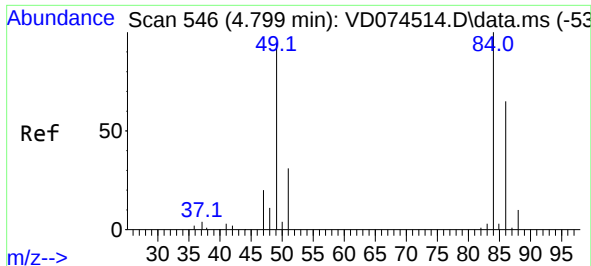
Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 1.205 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 54

Delta R.T. -0.000 min

Lab File: VD074549.D

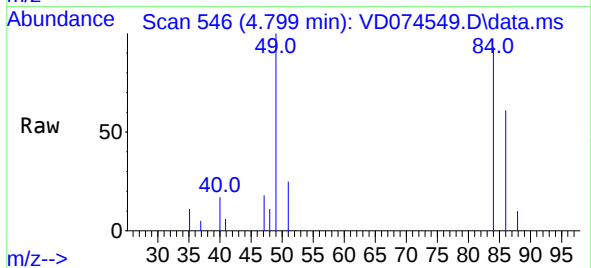
Acq: 17 Oct 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

SB-03-3.5-4.0



Tgt Ion: 84 Resp: 8427

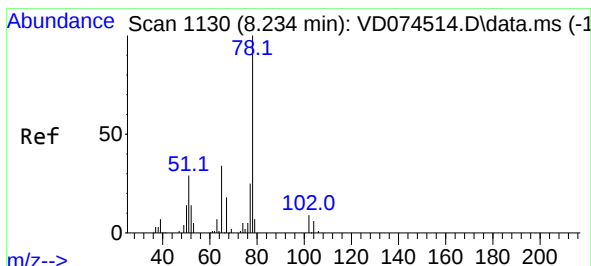
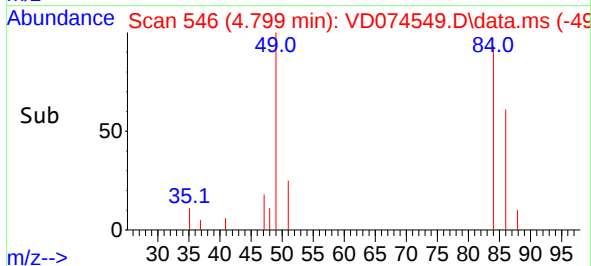
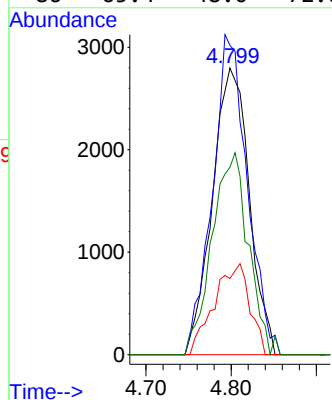
Ion Ratio Lower Upper

84 100

49 108.0 68.0 102.0#

51 26.6 23.2 34.8

86 65.4 48.0 72.0



#33

1,2-Dichloroethane-d4

Concen: 56.507 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074549.D

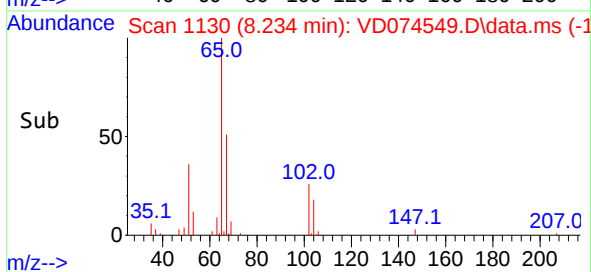
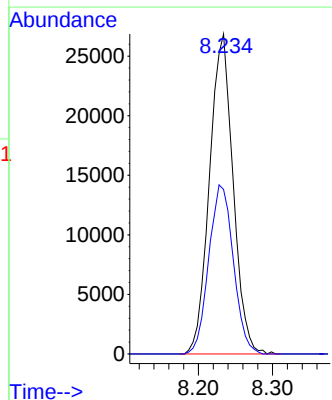
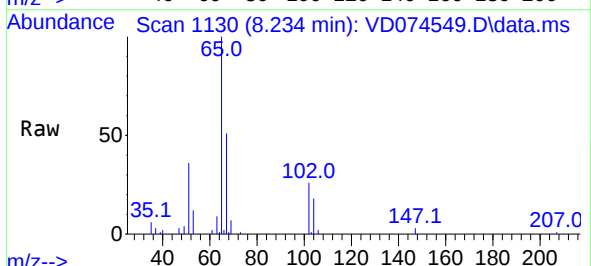
Acq: 17 Oct 2022 17:18

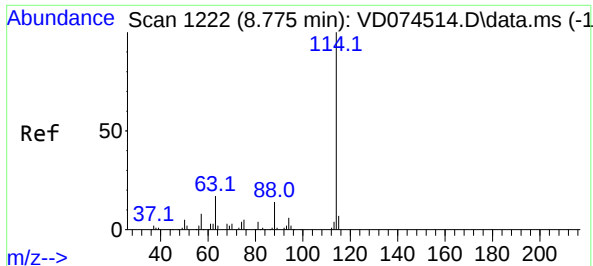
Tgt Ion: 65 Resp: 59330

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074549.D

Acq: 17 Oct 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

SB-03-3.5-4.0

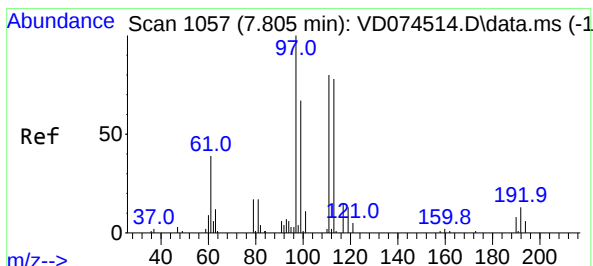
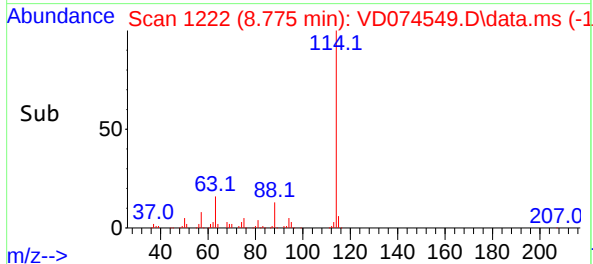
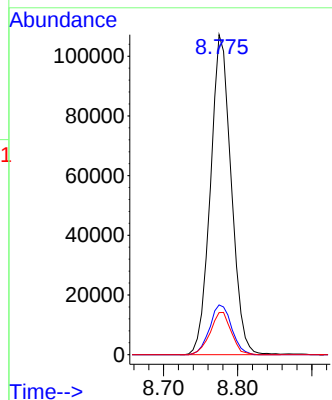
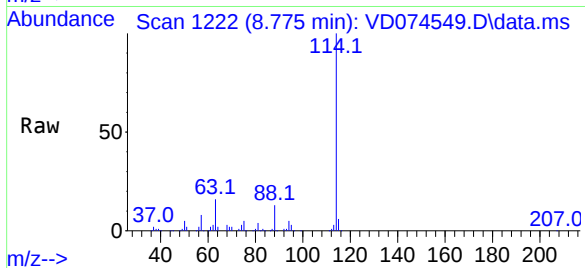
Tgt Ion:114 Resp: 208337

Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.2

88 13.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 58.425 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074549.D

Acq: 17 Oct 2022 17:18

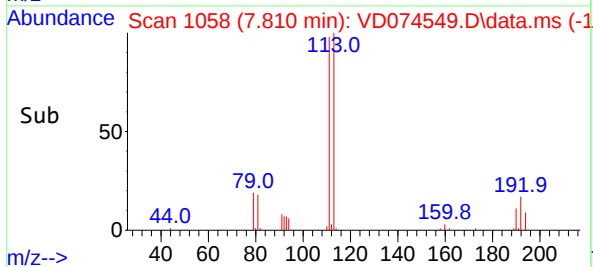
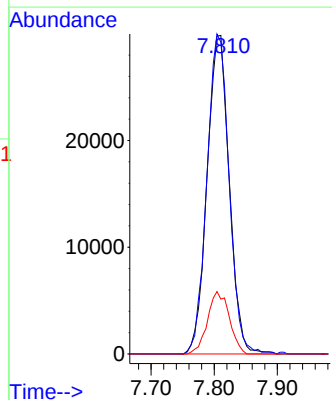
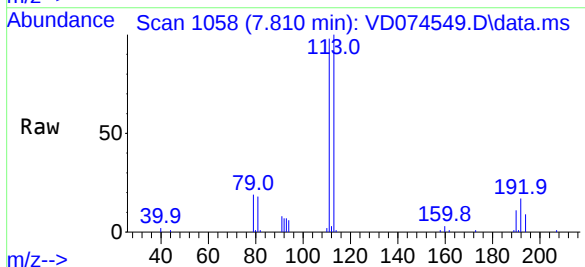
Tgt Ion:113 Resp: 72737

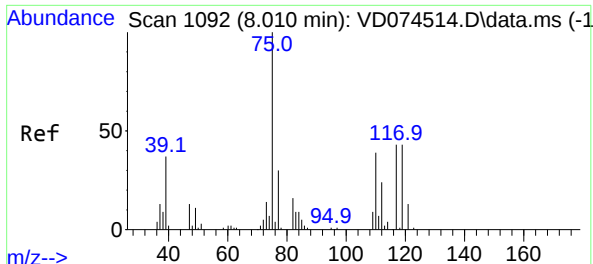
Ion Ratio Lower Upper

113 100

111 100.7 82.3 123.5

192 19.3 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.150 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074549.D

Acq: 17 Oct 2022 17:18

Instrument :

MSVOA_D

ClientSampleId :

SB-03-3.5-4.0

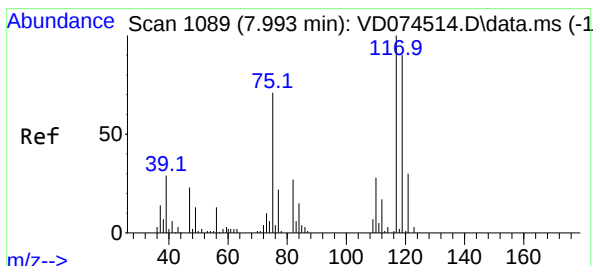
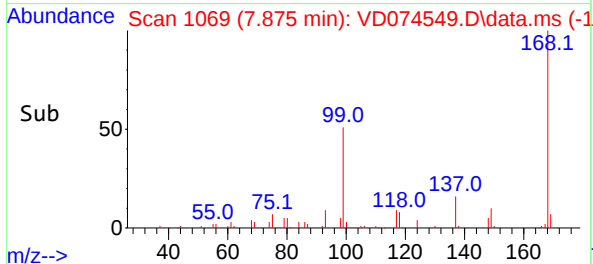
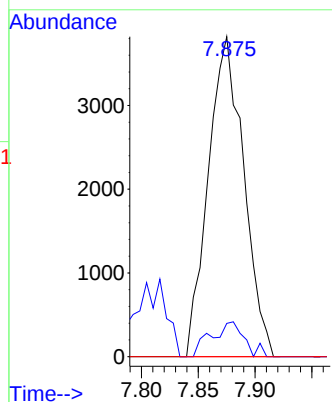
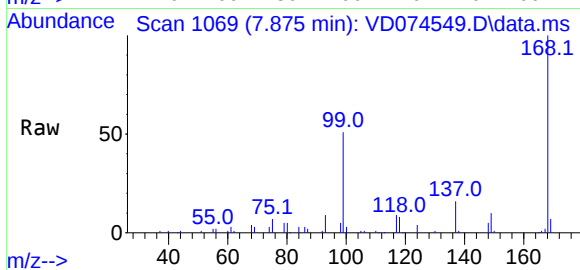
Tgt Ion: 75 Resp: 8297

Ion Ratio Lower Upper

75 100

110 10.2 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.865 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074549.D

Acq: 17 Oct 2022 17:18

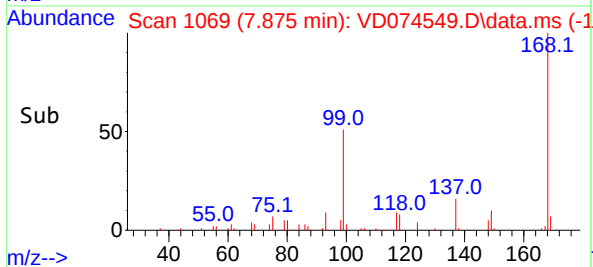
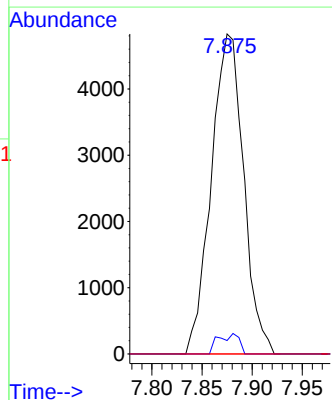
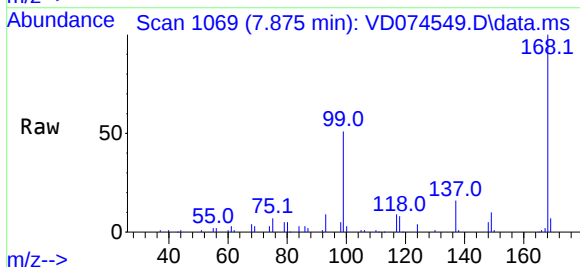
Tgt Ion: 117 Resp: 10843

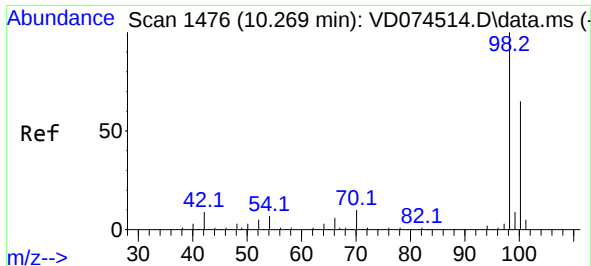
Ion Ratio Lower Upper

117 100

119 4.2 73.1 109.7#

121 0.0 25.0 37.6#

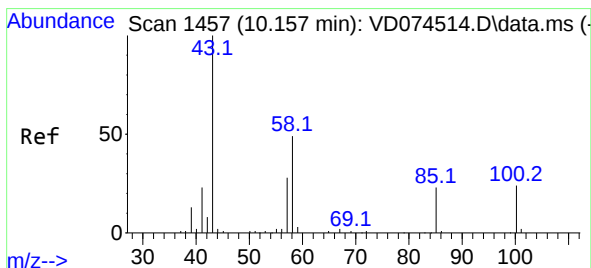
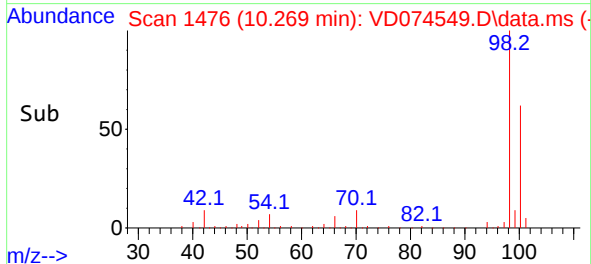
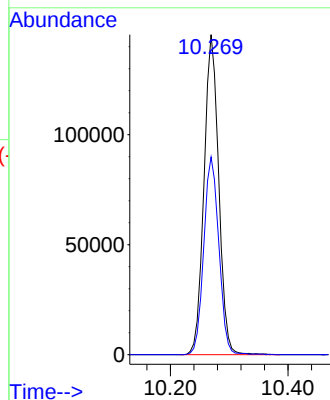
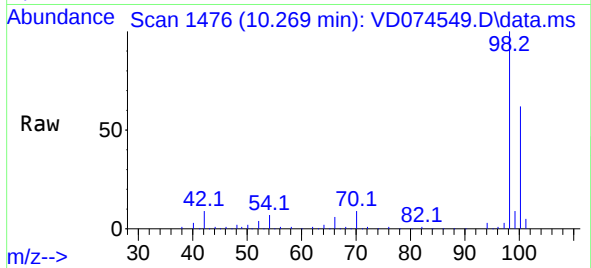




#50
Toluene-d8
Concen: 52.874 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

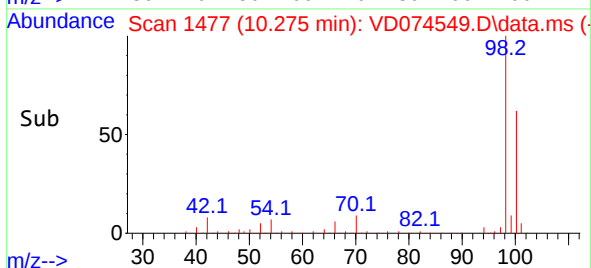
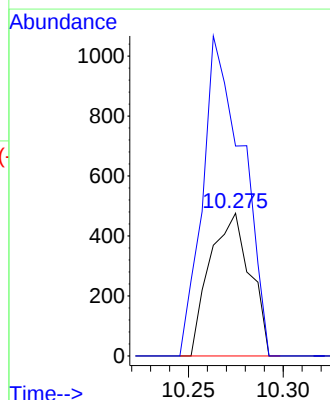
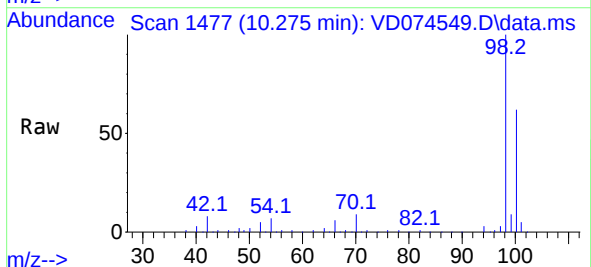
Instrument :
MSVOA_D
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SB-03-3.5-4.0

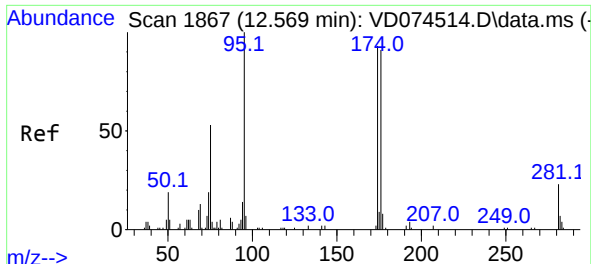
Tgt Ion: 98 Resp: 252664
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.182 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
58 221.3 37.8 56.6#



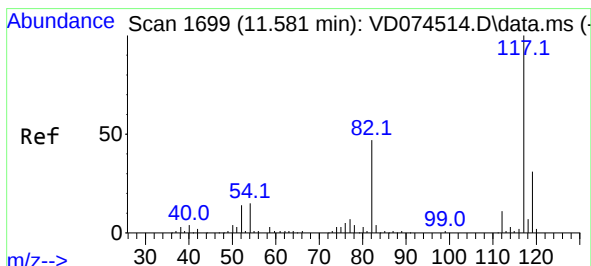
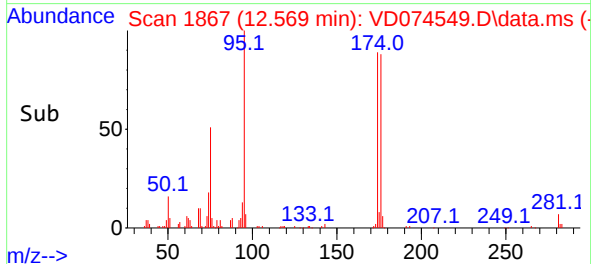
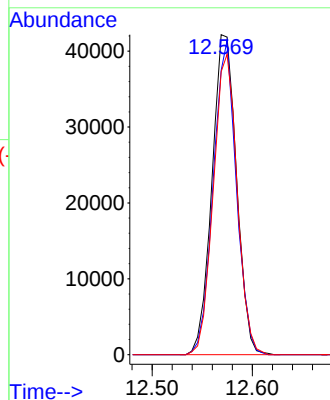
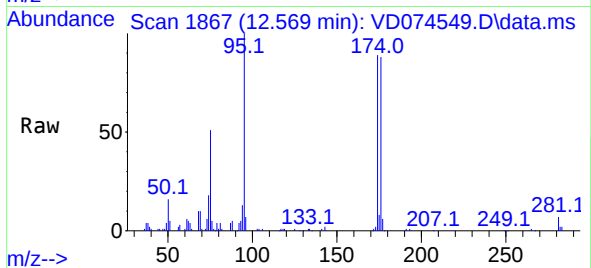


#62
4-Bromofluorobenzene
Concen: 48.636 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

Instrument :
MSVOA_D
ClientSampleId :
SB-03-3.5-4.0

Tgt Ion: 95 Resp: 71467

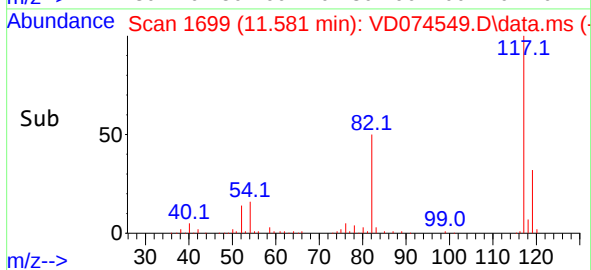
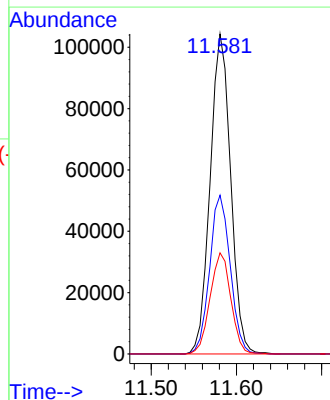
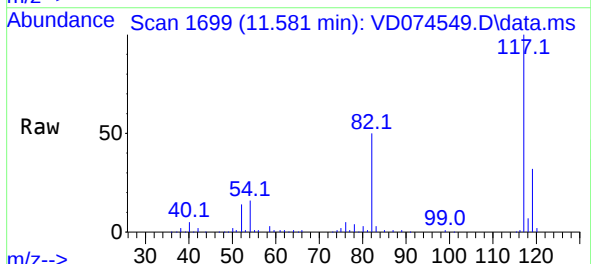
Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	197.0
176	91.1	0.0	182.6

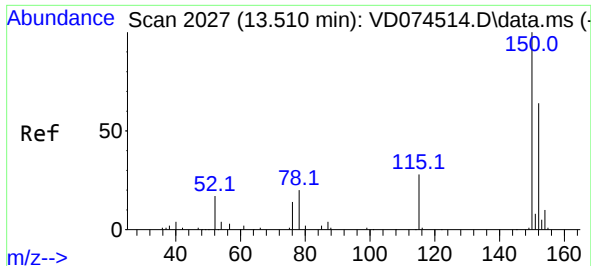


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

Tgt Ion: 117 Resp: 174585

Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.6	62.4
119	31.6	25.2	37.8

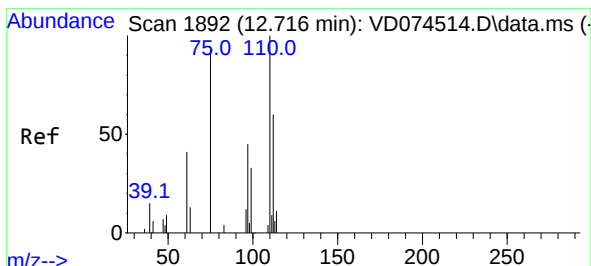
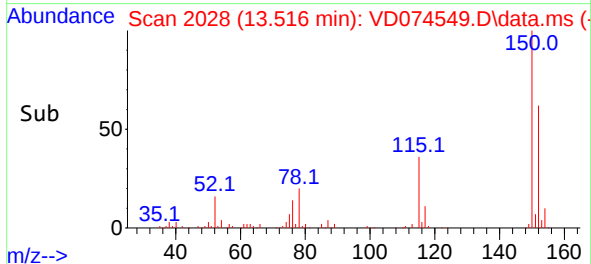
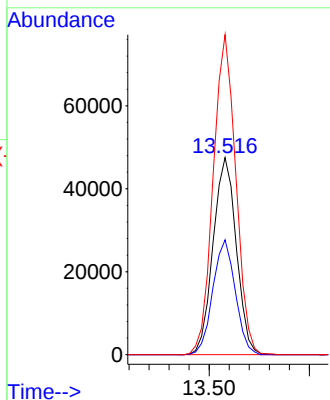
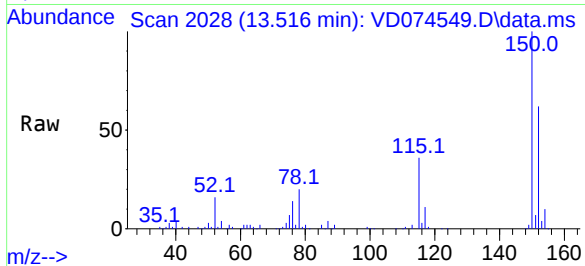




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

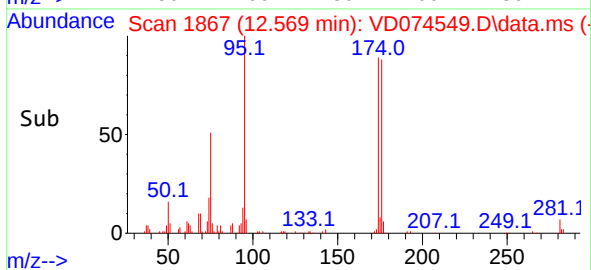
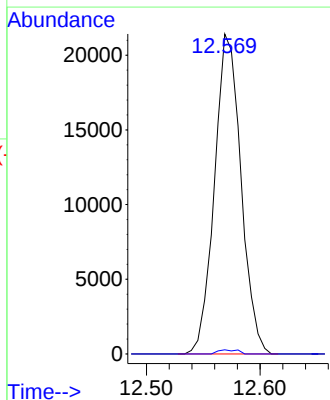
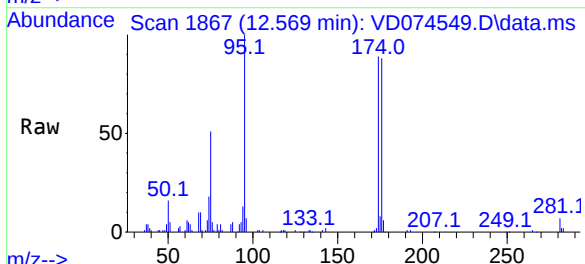
Instrument :
MSVOA_D
ClientSampleId :
SB-03-3.5-4.0

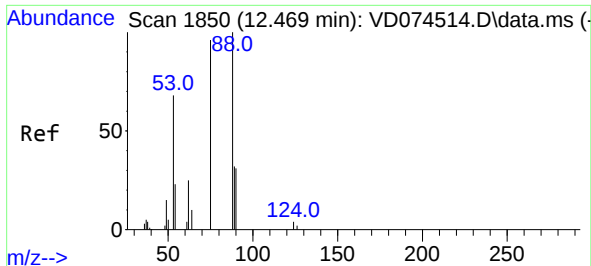
Tgt Ion:152 Resp: 76397
Ion Ratio Lower Upper
152 100
115 56.4 26.8 80.4
150 158.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 53.201 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074549.D
Acq: 17 Oct 2022 17:18

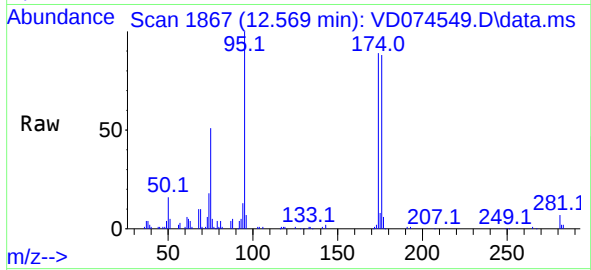
Tgt Ion: 75 Resp: 34735
Ion Ratio Lower Upper
75 100
77 1.0 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.951 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074549.D
 Acq: 17 Oct 2022 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-3.5-4.0



Tgt Ion:	75	Resp:	34735
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

