

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076244.D
 Acq On : 25 May 2023 20:38
 Operator : KP/SY
 Sample : 02940-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-251671

Quant Time: May 26 02:01:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

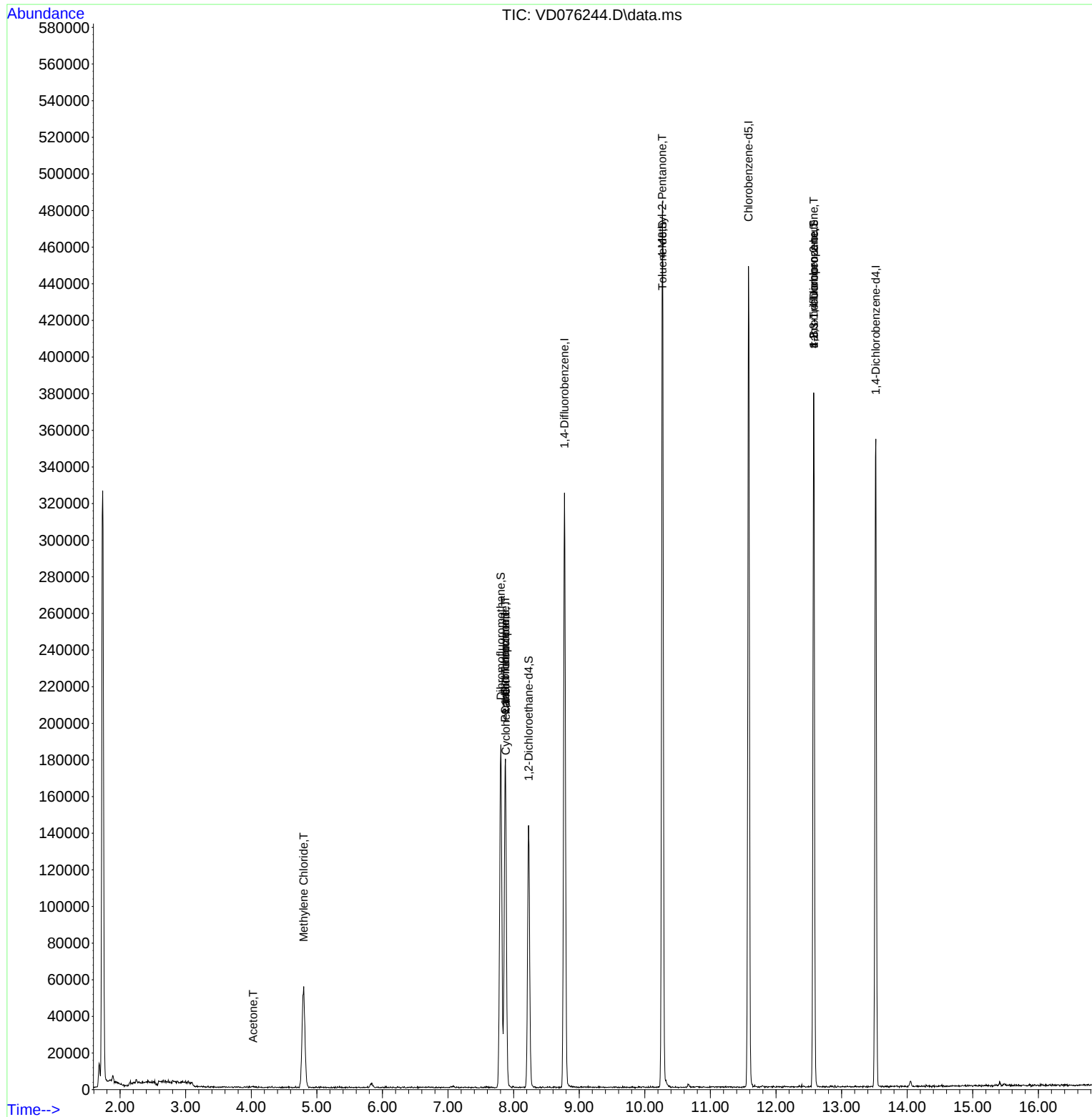
Internal Standards						
1) Pentafluorobenzene	7.869	168	147906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	309105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	280559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	104908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106853	74.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.500%			
35) Dibromofluoromethane	7.805	113	135250	63.302	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.600%			
50) Toluene-d8	10.269	98	355226	42.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.300%			
62) 4-Bromofluorobenzene	12.575	95	117770	50.902	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.800%			
Target Compounds						
3) Chloromethane	2.146	50	277	Below Cal	#	40
16) Acetone	4.028	43	885	3.112	ug/l #	44
17) Carbon Disulfide	4.269	76	67	Below Cal	#	73
20) Methylene Chloride	4.799	84	46815	14.086	ug/l #	81
31) Cyclohexane	7.881	56	2823	1.289	ug/l #	5
36) 1,1-Dichloropropene	7.875	75	11771	4.079	ug/l #	48
38) Carbon Tetrachloride	7.875	117	12946	4.967	ug/l #	18
51) 4-Methyl-2-Pentanone	10.263	43	1216	1.225	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	58903	64.162	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58903	134.602	ug/l #	5

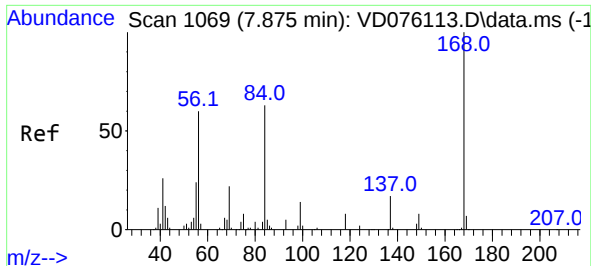
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

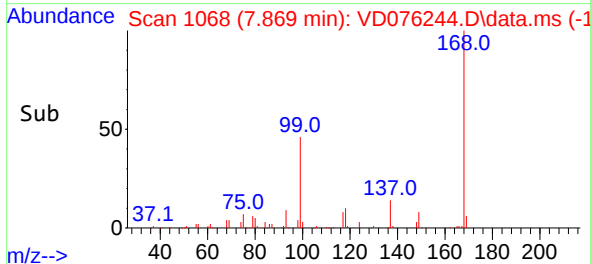
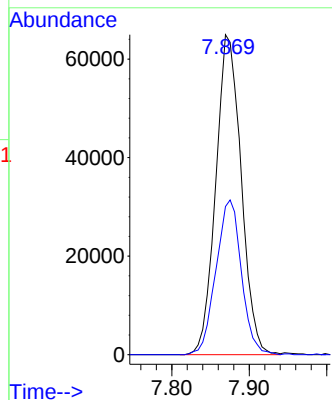
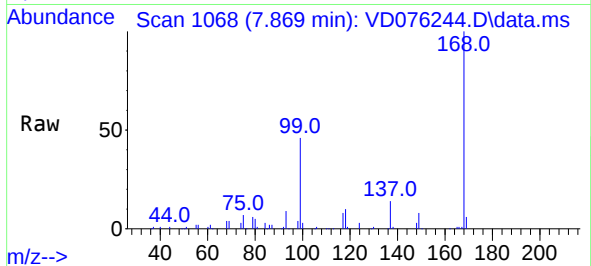




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

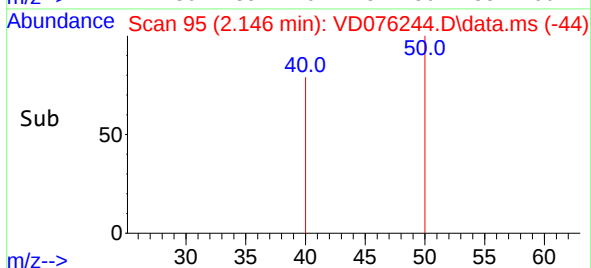
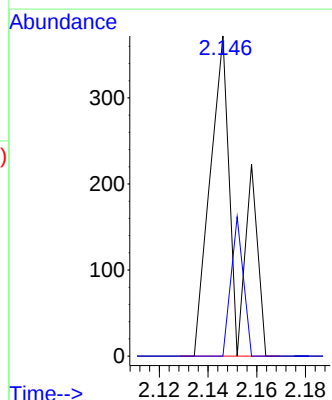
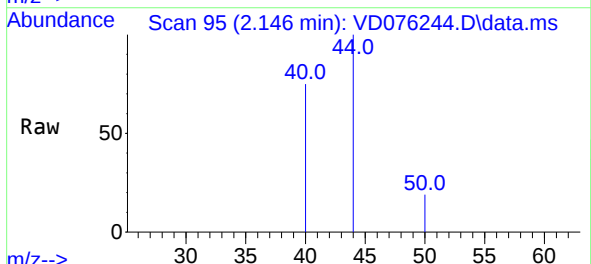
Instrument :
MSVOA_D
ClientSampleId :
RBR-251671

Tgt Ion:168 Resp: 147906
Ion Ratio Lower Upper
168 100
99 46.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Tgt Ion: 50 Resp: 277
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

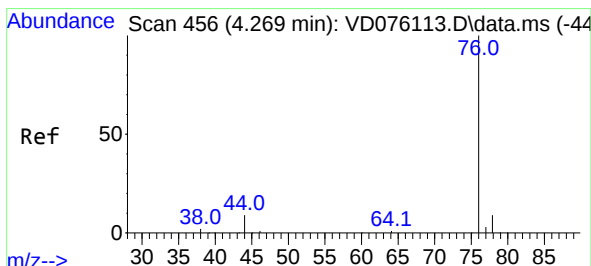
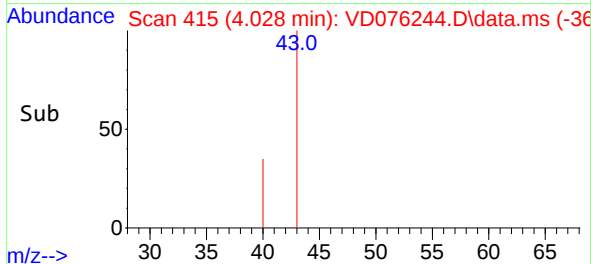
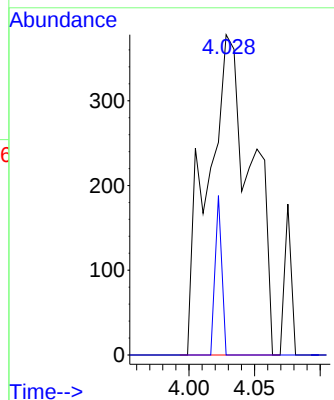
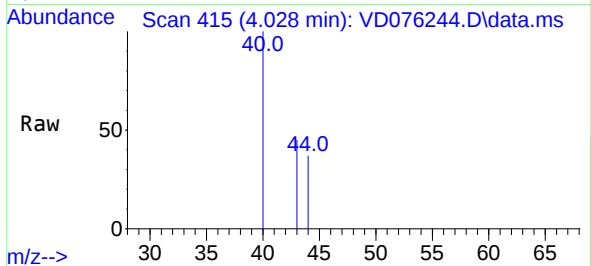




#16
Acetone
Concen: 3.112 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

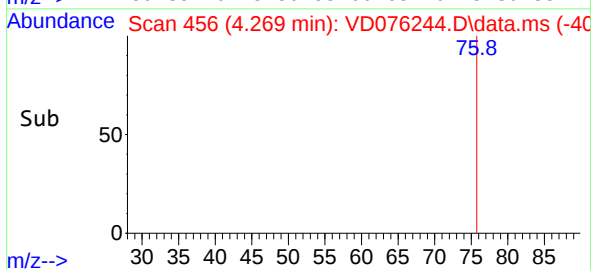
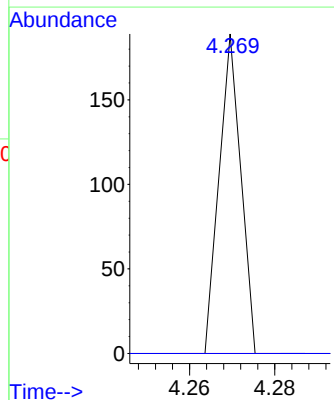
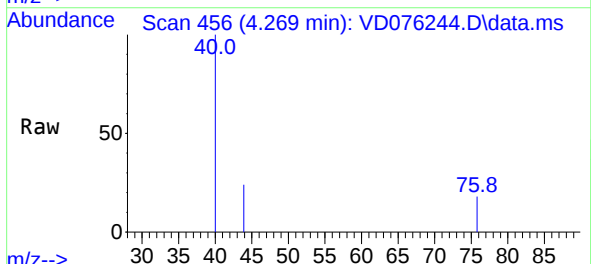
Instrument :
MSVOA_D
ClientSampleId :
RBR-251671

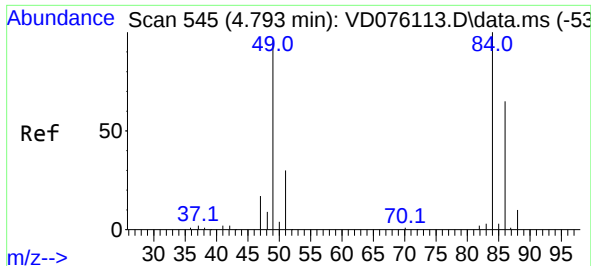
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

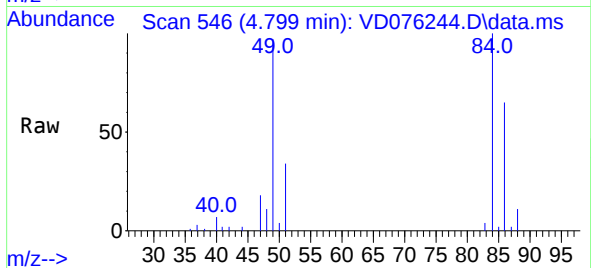
Tgt Ion: 76 Resp: 67
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#





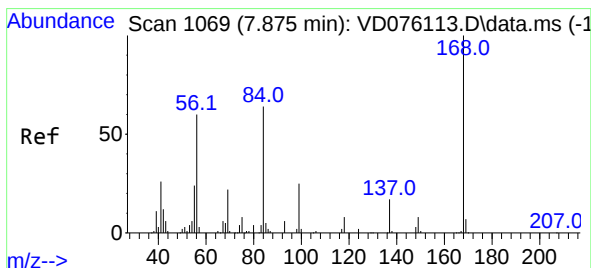
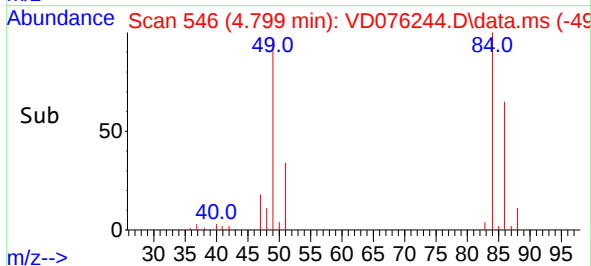
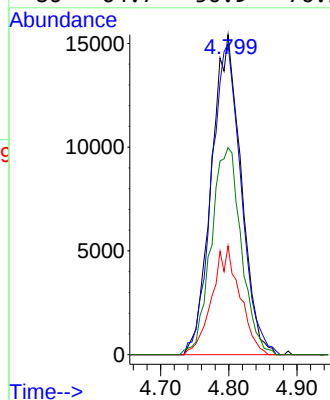
#20
Methylene Chloride
Concen: 14.086 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Instrument :
MSVOA_D
ClientSampleId :
RBR-251671



Tgt Ion: 84 Resp: 46815

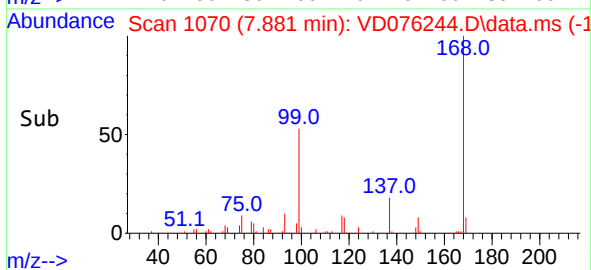
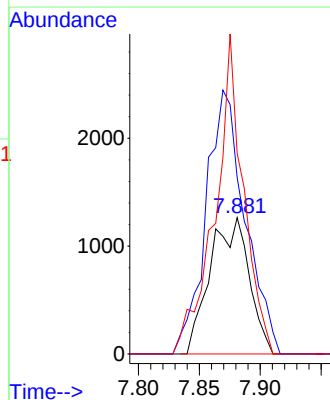
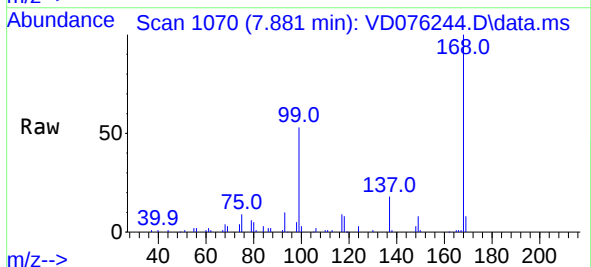
Ion	Ratio	Lower	Upper
84	100		
49	97.2	106.4	159.6#
51	34.0	32.4	48.6
86	64.7	50.9	76.3

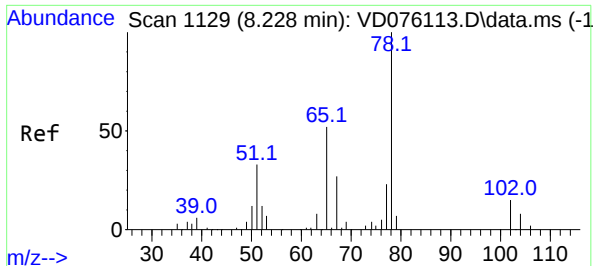


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Tgt Ion: 56 Resp: 2823

Ion	Ratio	Lower	Upper
56	100		
69	129.5	25.5	38.3#
84	147.2	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 74.750 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076244.D

Acq: 25 May 2023 20:38

Instrument :

MSVOA_D

ClientSampleId :

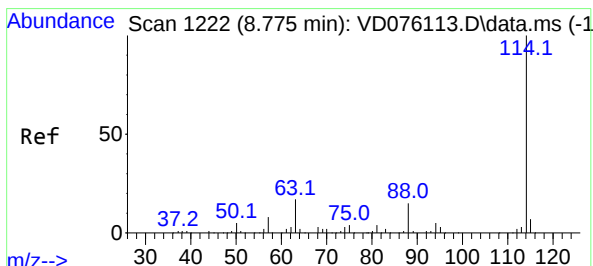
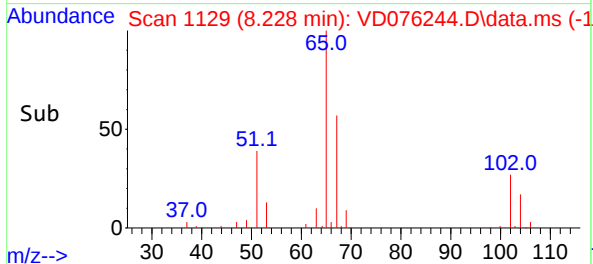
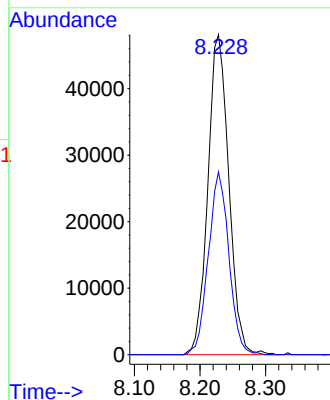
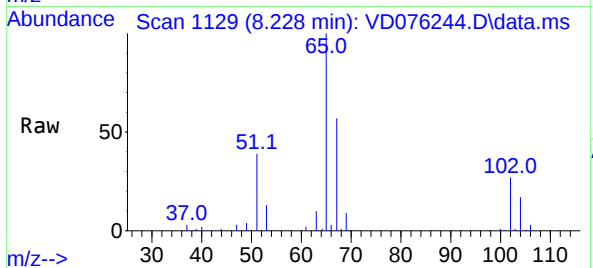
RBR-251671

Tgt Ion: 65 Resp: 106853

Ion Ratio Lower Upper

65 100

67 56.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076244.D

Acq: 25 May 2023 20:38

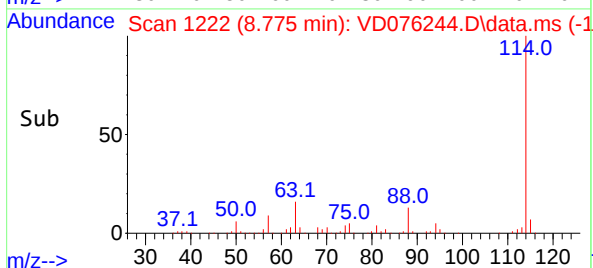
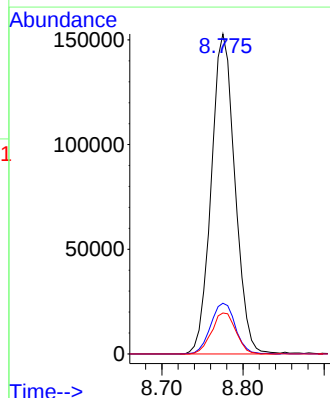
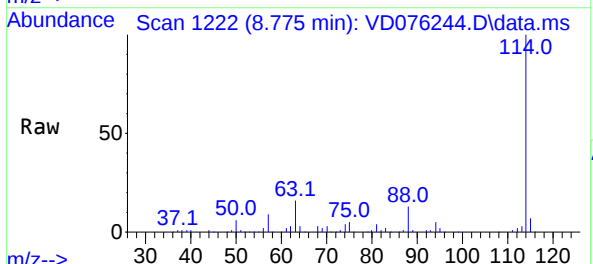
Tgt Ion: 114 Resp: 309105

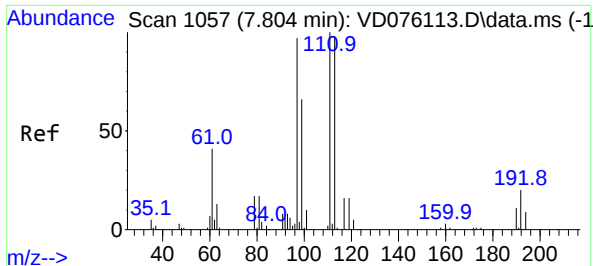
Ion Ratio Lower Upper

114 100

63 15.9 0.0 41.6

88 12.8 0.0 30.6

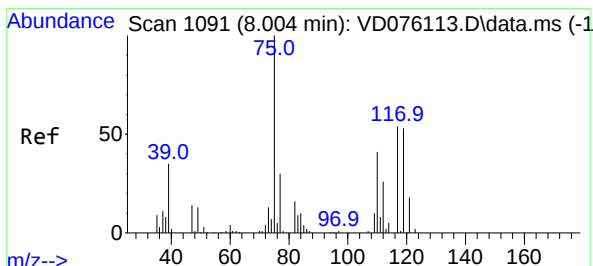
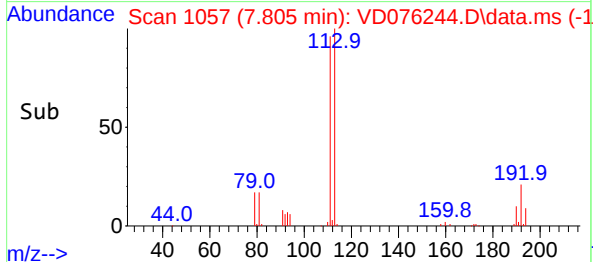
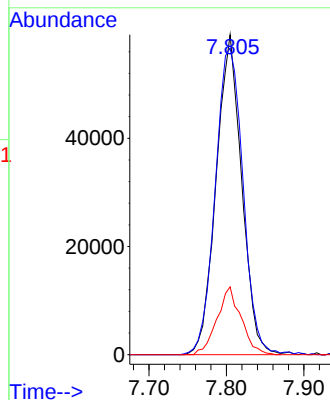
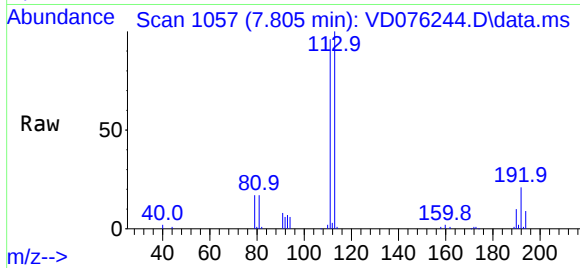




#35
Dibromofluoromethane
Concen: 63.302 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

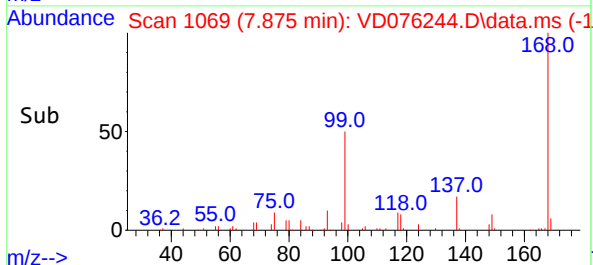
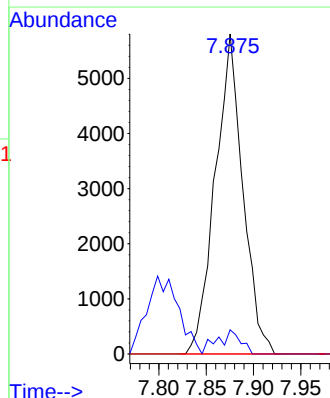
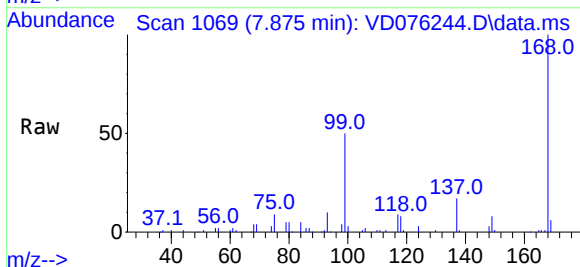
Instrument :
MSVOA_D
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RBR-251671

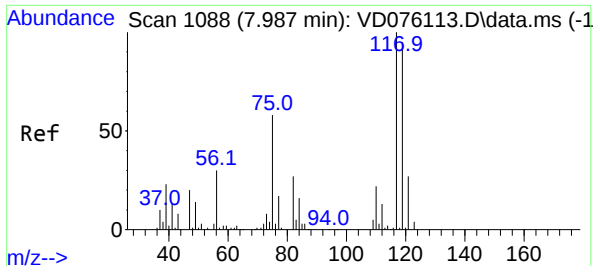
Tgt Ion: 113 Resp: 135250
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.0
192 20.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.079 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

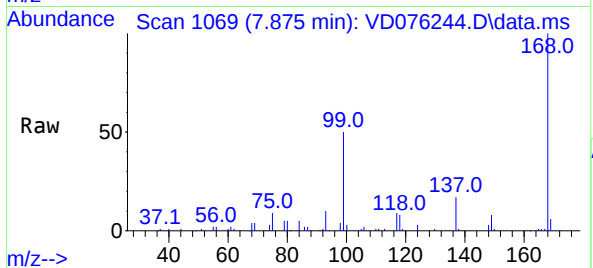
Tgt Ion: 75 Resp: 11771
Ion Ratio Lower Upper
75 100
110 6.2 17.1 51.2#
77 0.0 24.6 36.8#



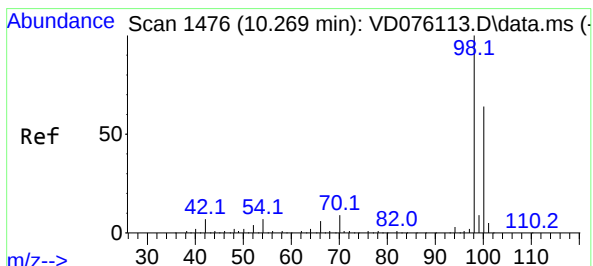
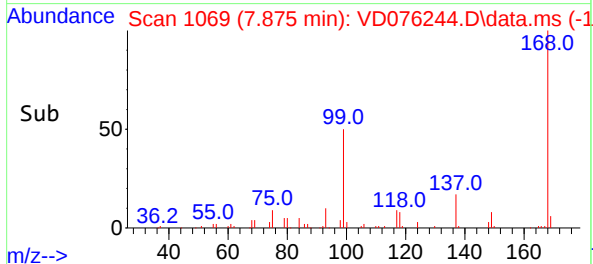
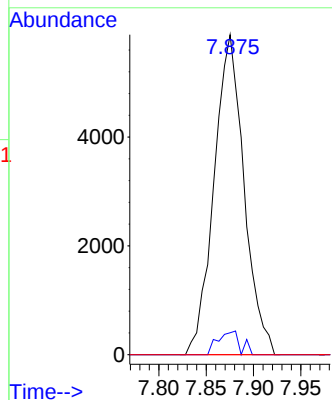


#38
Carbon Tetrachloride
Concen: 4.967 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Instrument :
MSVOA_D
ClientSampleId :
RBR-251671

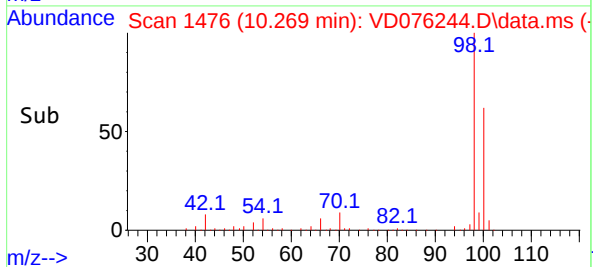
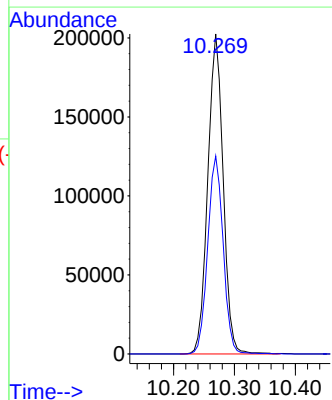
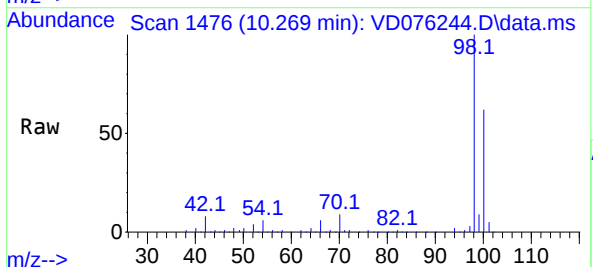


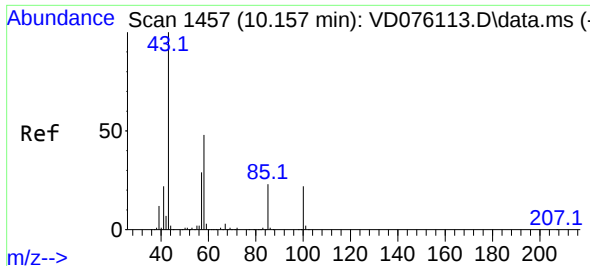
Tgt Ion:117 Resp: 12946
Ion Ratio Lower Upper
117 100
119 6.8 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 42.649 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Tgt Ion: 98 Resp: 355226
Ion Ratio Lower Upper
98 100
100 62.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.225 ug/l

RT: 10.263 min Scan# 1457

Delta R.T. 0.106 min

Lab File: VD076244.D

Acq: 25 May 2023 20:38

Instrument :

MSVOA_D

ClientSampleId :

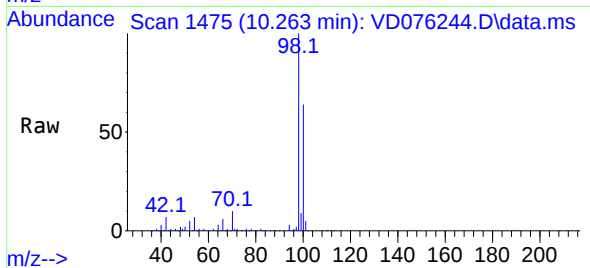
RBR-251671

Tgt Ion: 43 Resp: 1216

Ion Ratio Lower Upper

43 100

58 212.0 29.5 44.3#



Abundance

1500

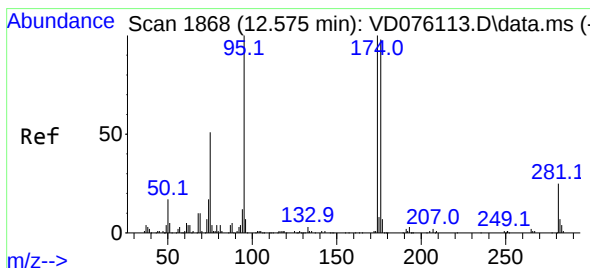
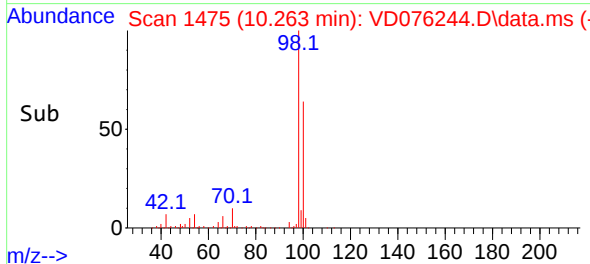
1000

500

0

10.263

Time-->



#62

4-Bromofluorobenzene

Concen: 50.902 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076244.D

Acq: 25 May 2023 20:38

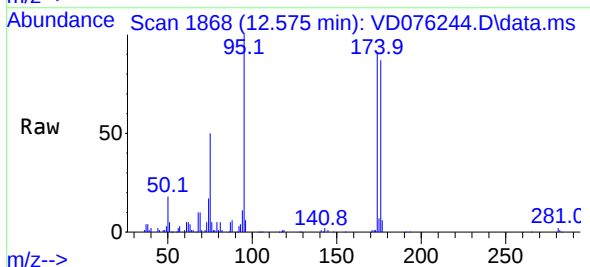
Tgt Ion: 95 Resp: 117770

Ion Ratio Lower Upper

95 100

174 92.6 0.0 164.0

176 89.2 0.0 156.8



Abundance

60000

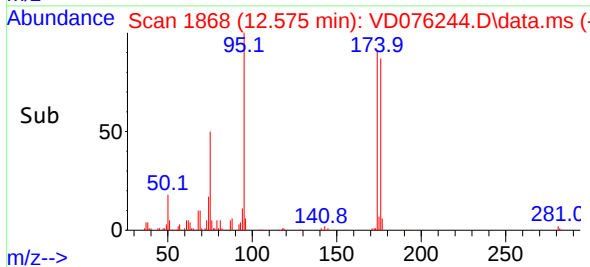
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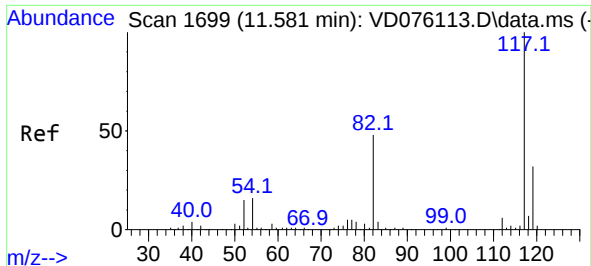
20000

0

12.575

Time-->

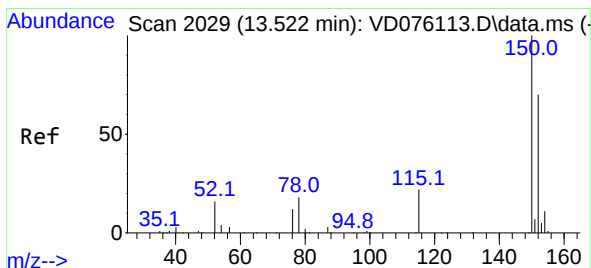
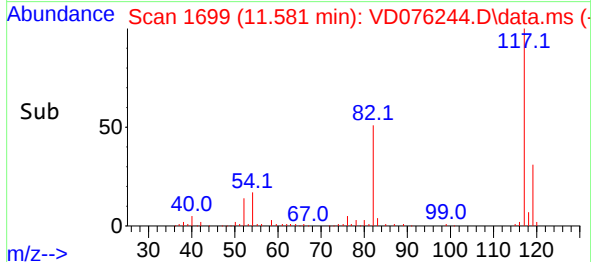
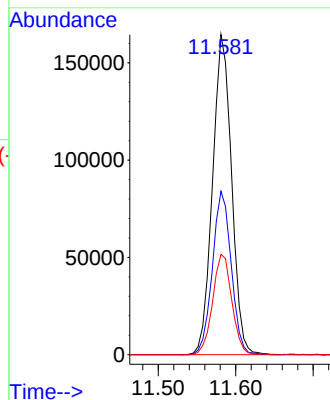
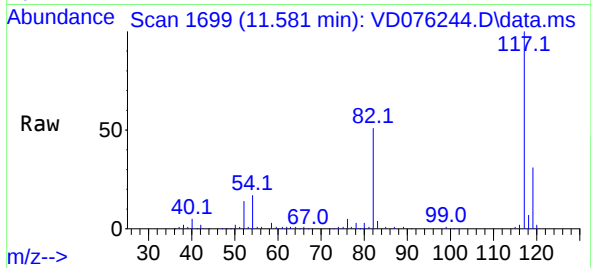




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

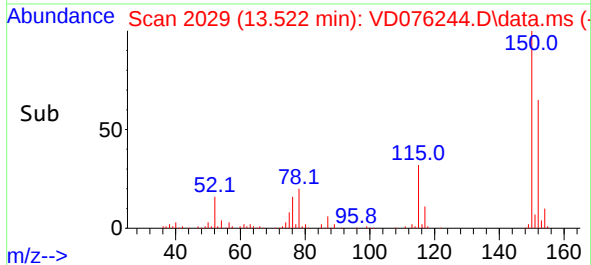
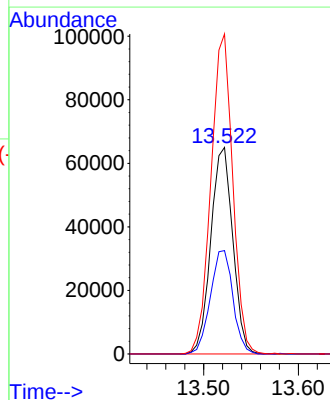
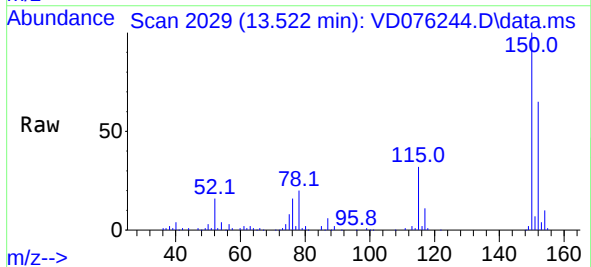
Instrument :
MSVOA_D
ClientSampleId :
RBR-251671

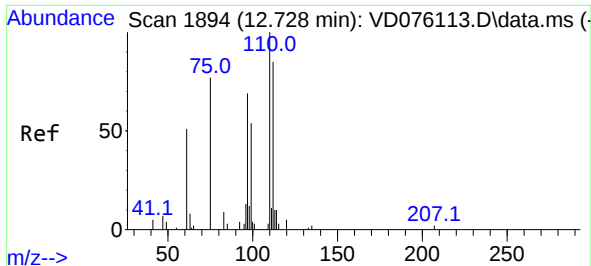
Tgt Ion:117 Resp: 280559
Ion Ratio Lower Upper
117 100
82 51.0 44.0 66.0
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Tgt Ion:152 Resp: 104908
Ion Ratio Lower Upper
152 100
115 51.4 30.1 90.3
150 153.3 0.0 364.8

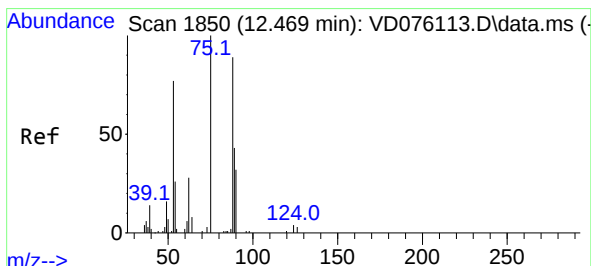
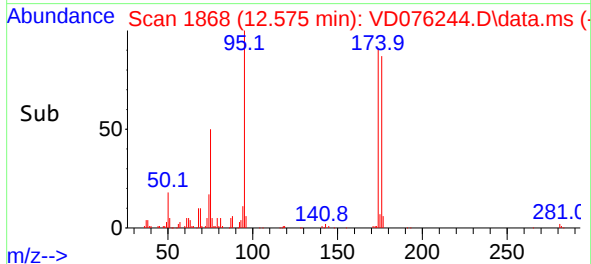
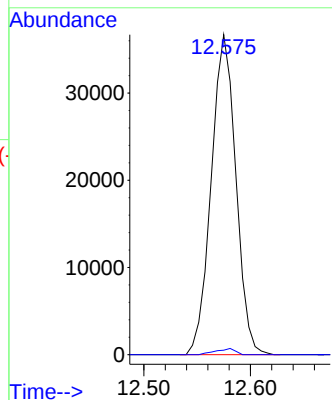
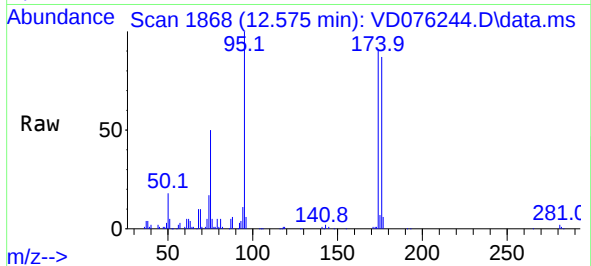




#76
1,2,3-Trichloropropane
Concen: 64.162 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Instrument :
MSVOA_D
ClientSampleId :
RBR-251671

Tgt Ion: 75 Resp: 58903
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.602 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076244.D
Acq: 25 May 2023 20:38

Tgt Ion: 75 Resp: 58903
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 0.0 40.2 60.4#

