

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076184.D
 Acq On : 22 May 2023 19:22
 Operator : KP/SY
 Sample : 02871-04
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-226

Quant Time: May 23 01:26:11 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)

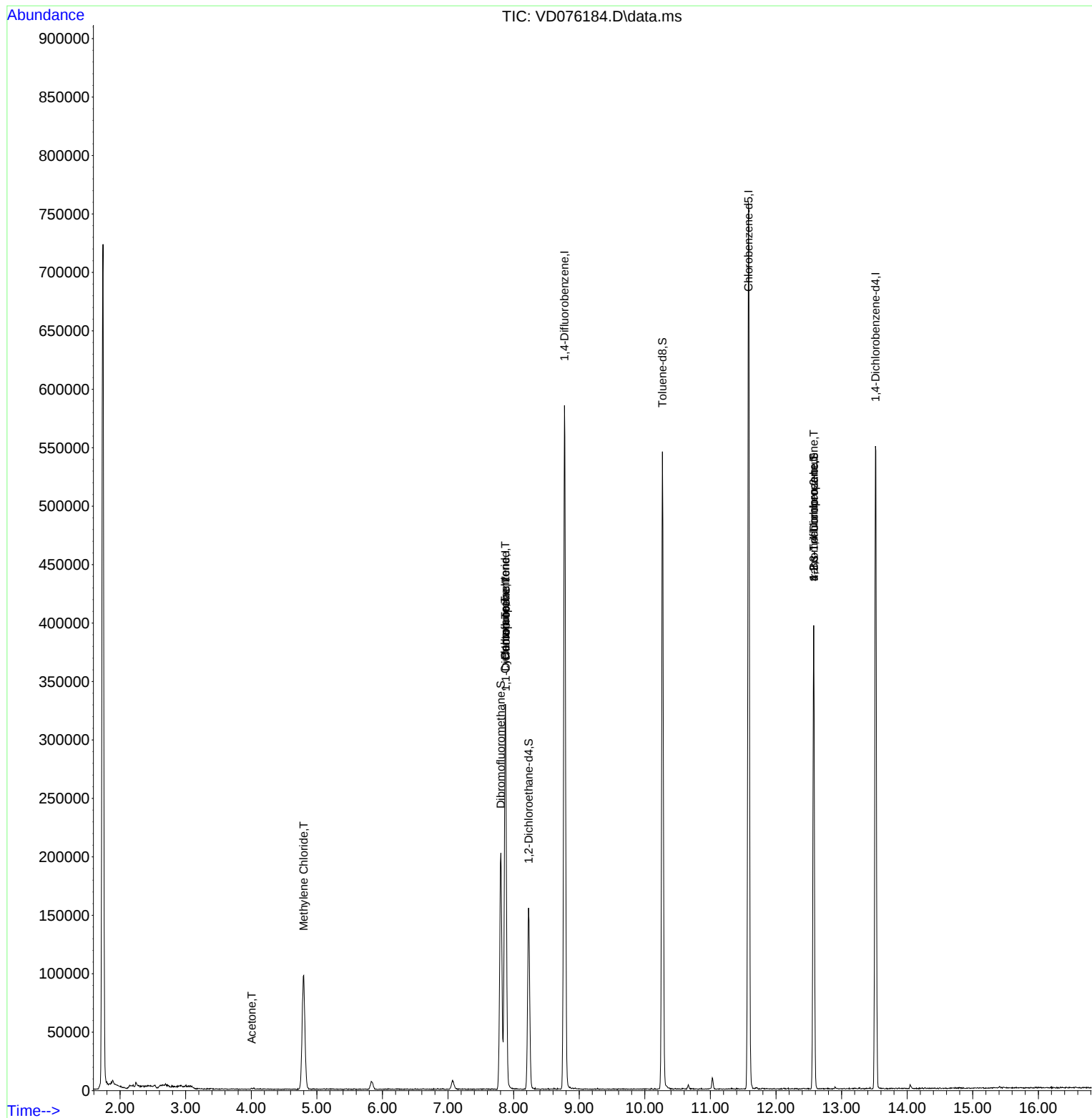
Internal Standards						
1) Pentafluorobenzene	7.875	168	266030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	552303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	469637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	117648	45.758	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.520%
35) Dibromofluoromethane	7.805	113	148047	38.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.560%
50) Toluene-d8	10.269	98	399178	26.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	53.640%#
62) 4-Bromofluorobenzene	12.575	95	119914	29.007	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	419	Below Cal	#	66
16) Acetone	4.005	43	635	1.241	ug/l #	44
17) Carbon Disulfide	4.264	76	128	Below Cal	#	73
20) Methylene Chloride	4.799	84	81998	13.440	ug/l #	78
31) Cyclohexane	7.869	56	5615	1.426	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	21846	4.237	ug/l #	49
38) Carbon Tetrachloride	7.875	117	24136	5.183	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	60315	43.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60315	90.789	ug/l #	5

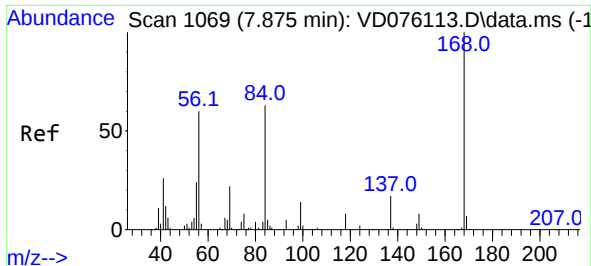
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

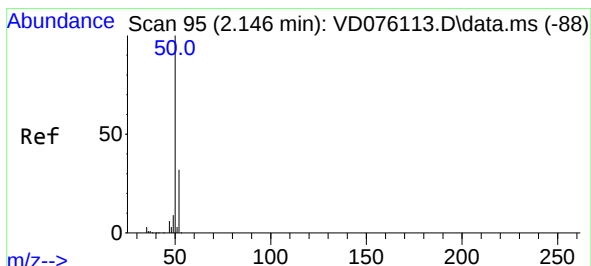
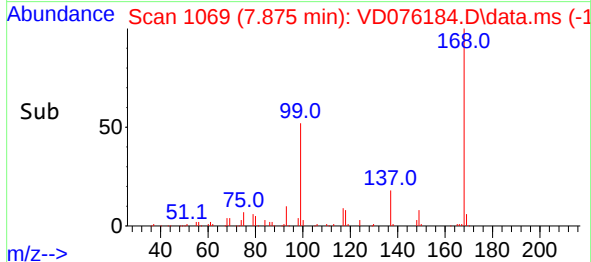
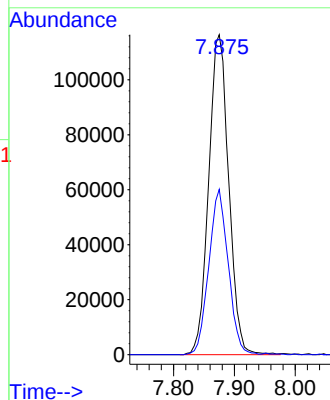
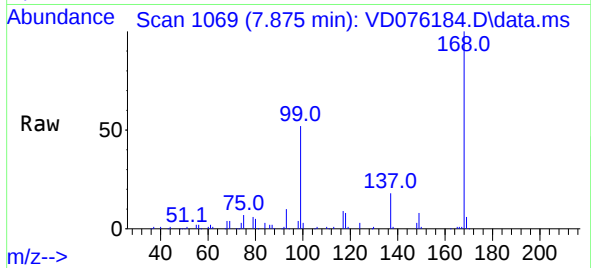




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

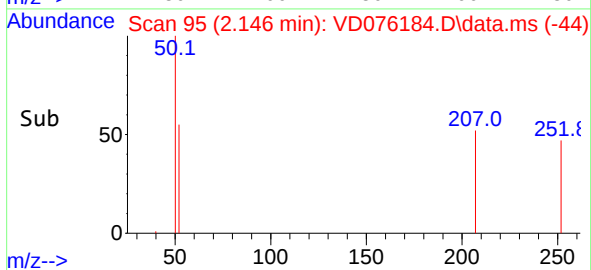
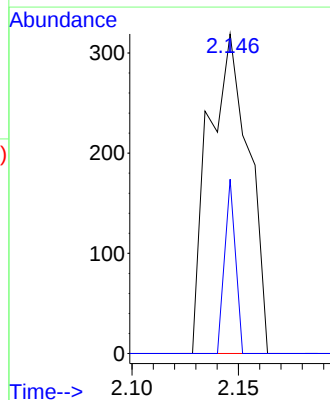
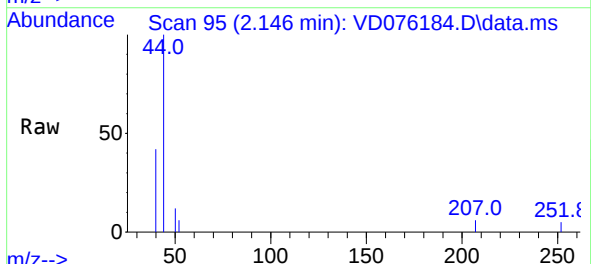
Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

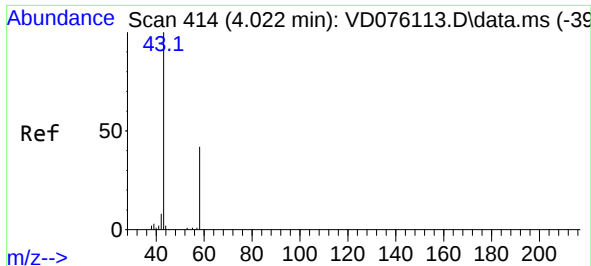
Tgt Ion:168 Resp: 266030
Ion Ratio Lower Upper
168 100
99 51.6 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 54.5 27.8 41.8#

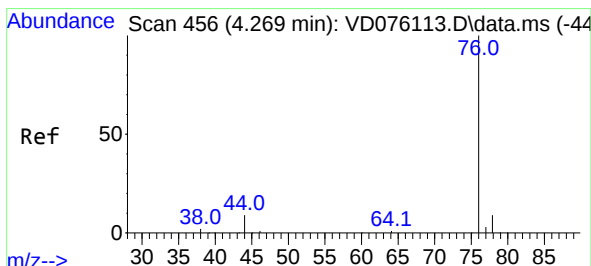
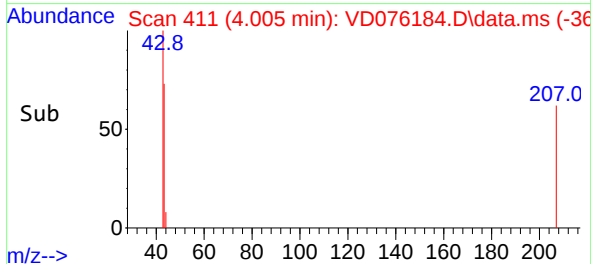
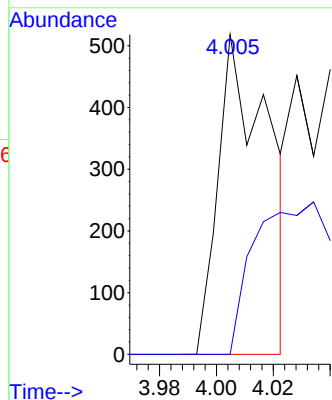
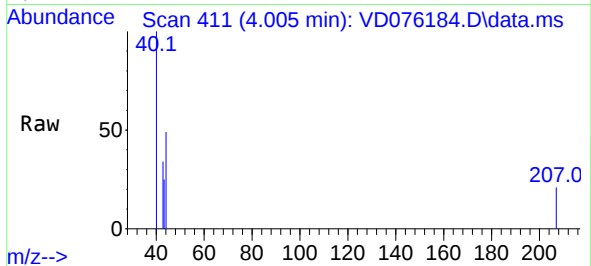




#16
Acetone
Concen: 1.241 ug/l
RT: 4.005 min Scan# 411
Delta R.T. -0.017 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

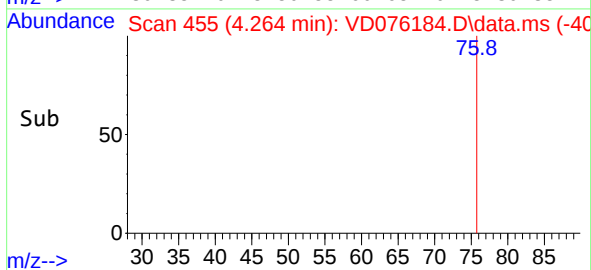
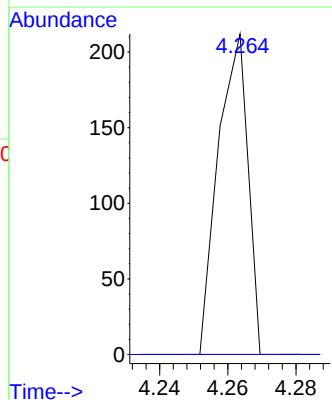
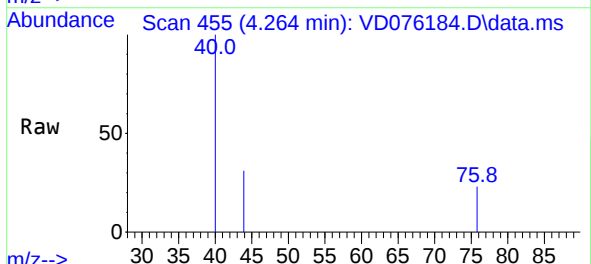
Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

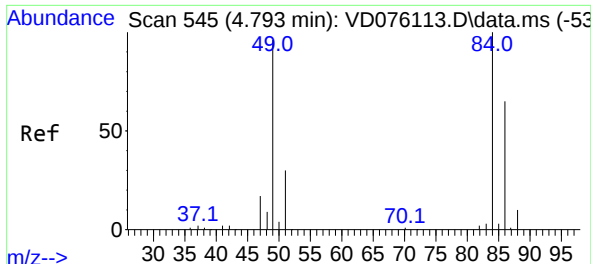
Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.264 min Scan# 455
Delta R.T. -0.005 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

Tgt Ion: 76 Resp: 128
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#





#20

Methylene Chloride

Concen: 13.440 ug/l

RT: 4.799 min Scan# 545

Delta R.T. -0.000 min

Lab File: VD076184.D

Acq: 22 May 2023 19:22

Instrument :

MSVOA_D

ClientSampleId :

VNJ-226

Tgt Ion: 84 Resp: 81998

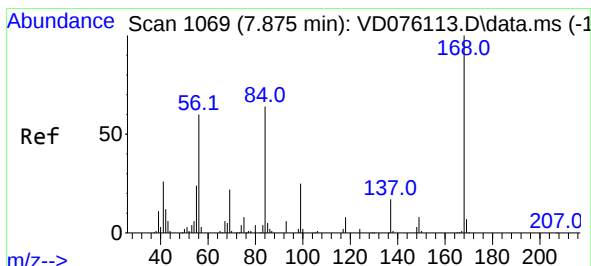
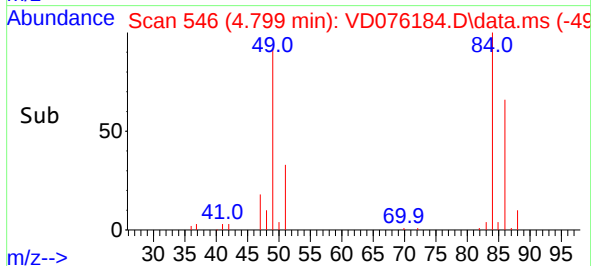
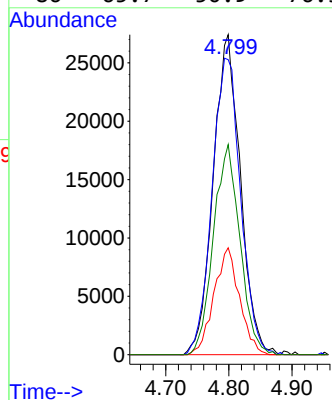
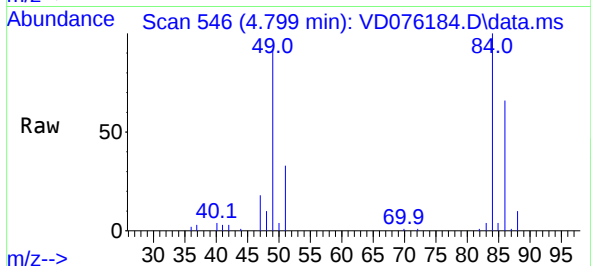
Ion Ratio Lower Upper

84 100

49 92.2 106.4 159.6#

51 33.4 32.4 48.6

86 65.7 50.9 76.3



#31

Cyclohexane

Concen: 1.426 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076184.D

Acq: 22 May 2023 19:22

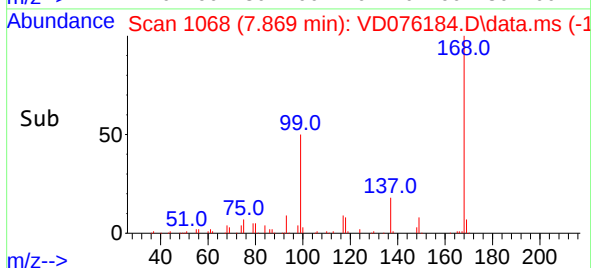
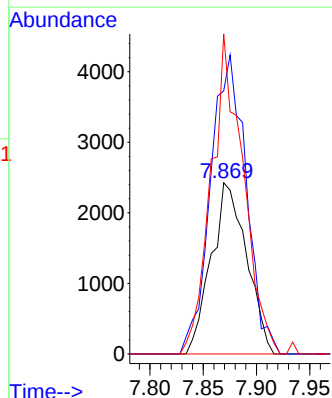
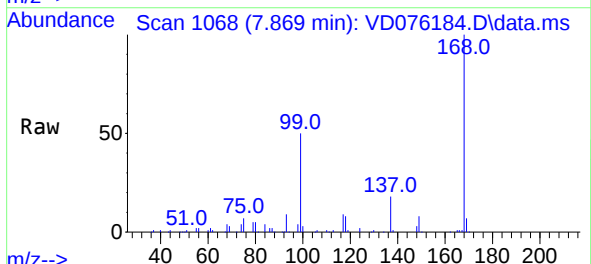
Tgt Ion: 56 Resp: 5615

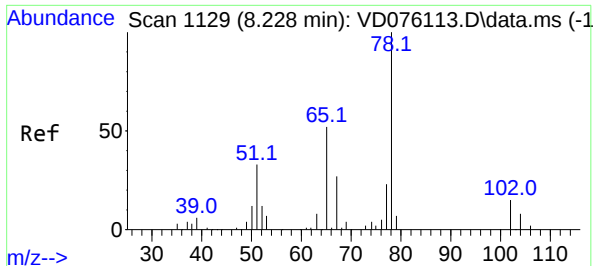
Ion Ratio Lower Upper

56 100

69 153.7 25.5 38.3#

84 186.9 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 45.758 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076184.D

Acq: 22 May 2023 19:22

Instrument :

MSVOA_D

ClientSampleId :

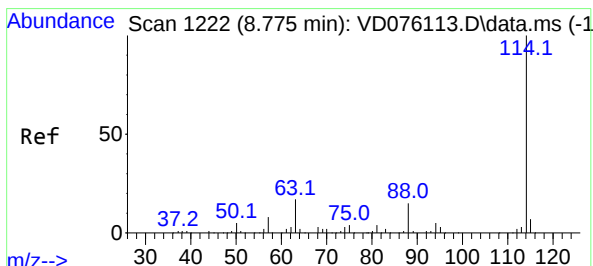
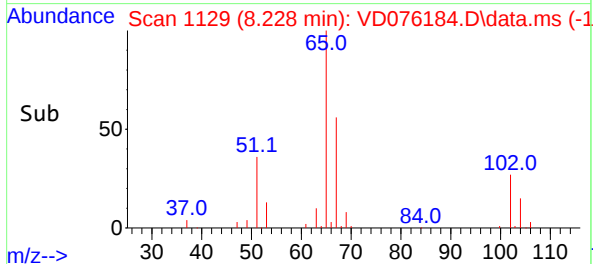
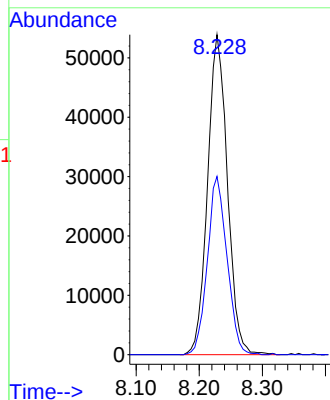
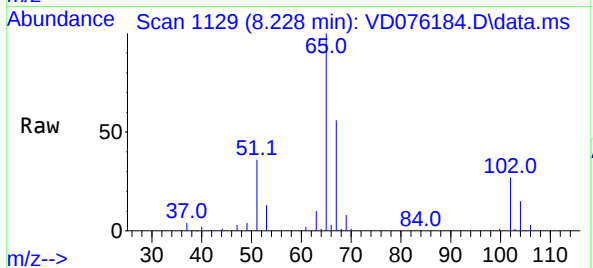
VNJ-226

Tgt Ion: 65 Resp: 117648

Ion Ratio Lower Upper

65 100

67 55.0 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: VD076184.D

Acq: 22 May 2023 19:22

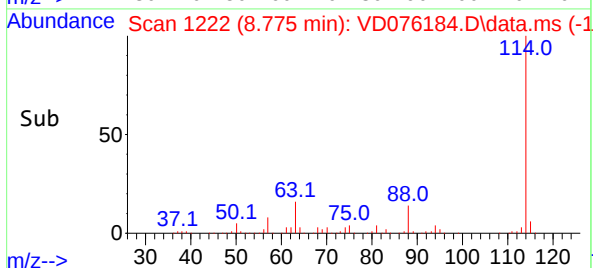
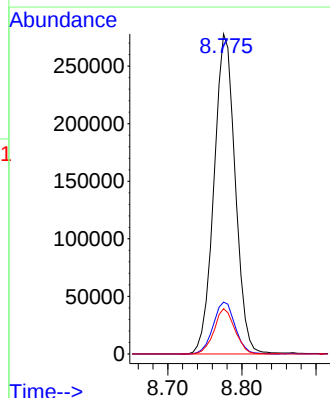
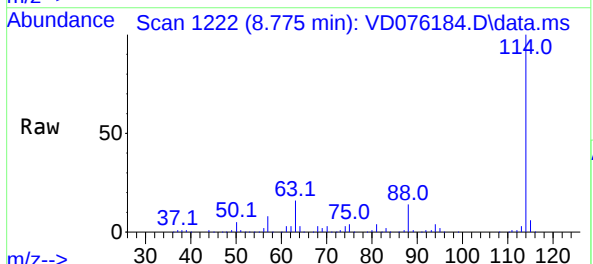
Tgt Ion: 114 Resp: 552303

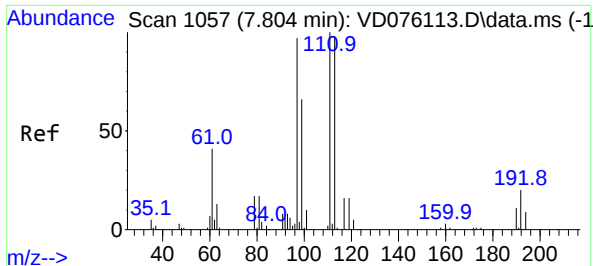
Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 38.780 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD076184.D

Acq: 22 May 2023 19:22

Instrument :

MSVOA_D

ClientSampleId :

VNJ-226

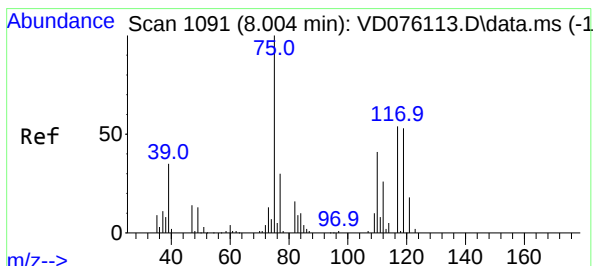
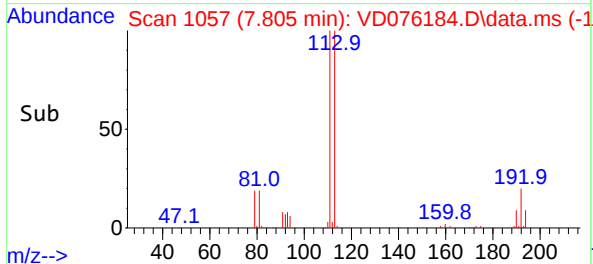
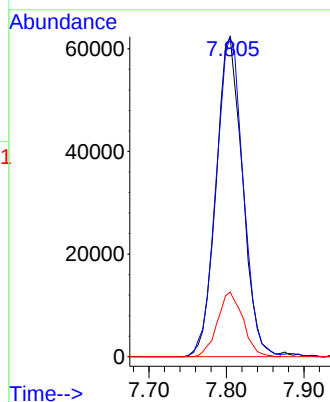
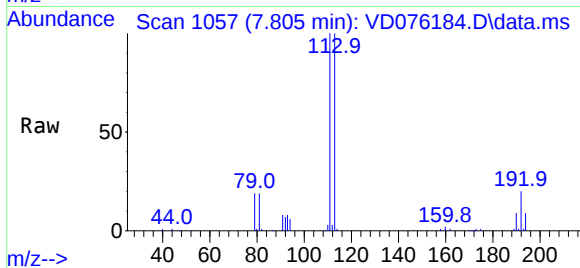
Tgt Ion:113 Resp: 148047

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 19.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.237 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD076184.D

Acq: 22 May 2023 19:22

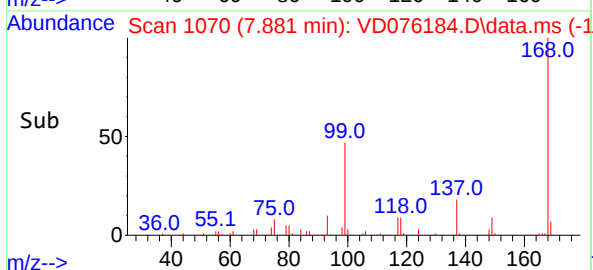
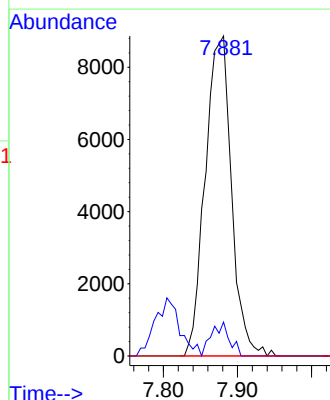
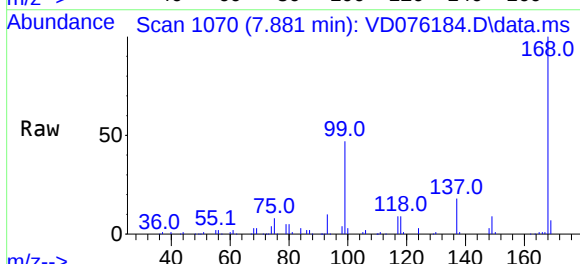
Tgt Ion: 75 Resp: 21846

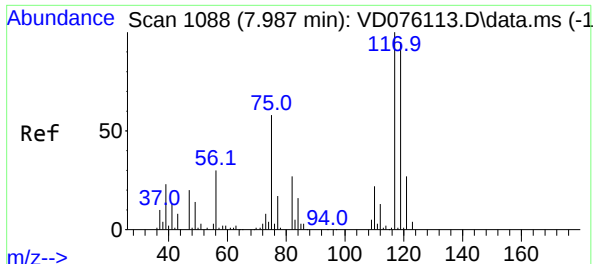
Ion Ratio Lower Upper

75 100

110 7.2 17.1 51.2#

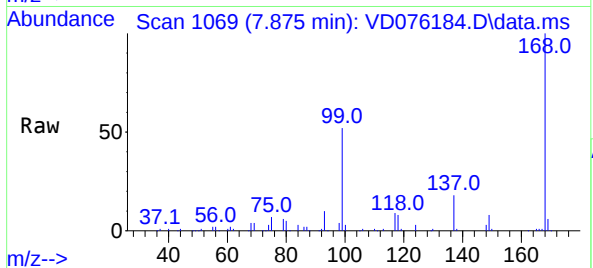
77 0.0 24.6 36.8#



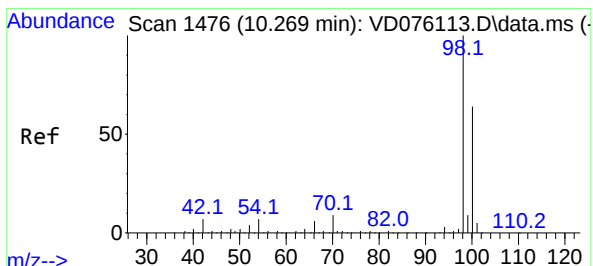
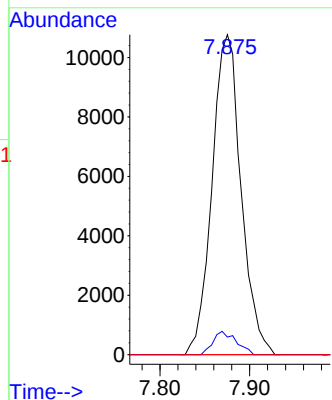
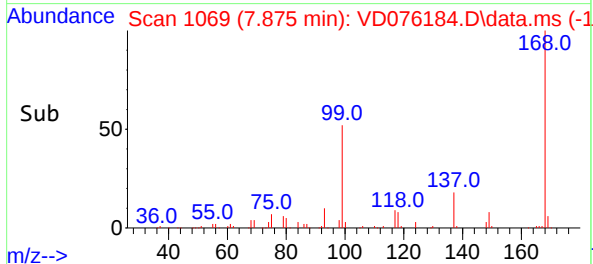


#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

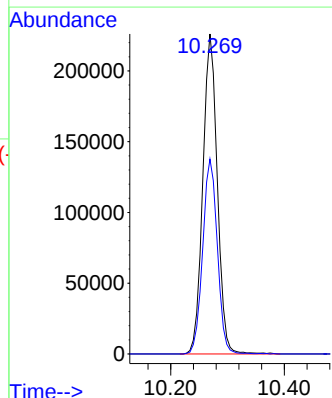
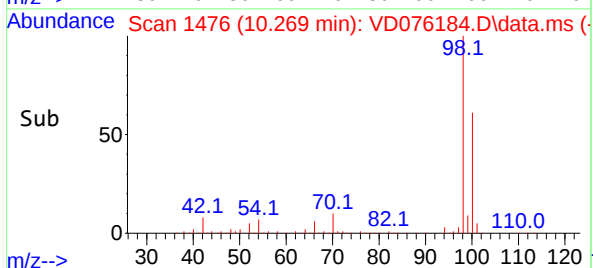
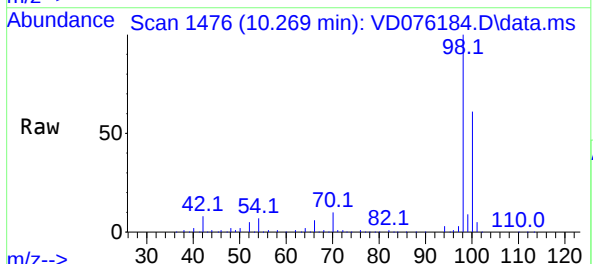


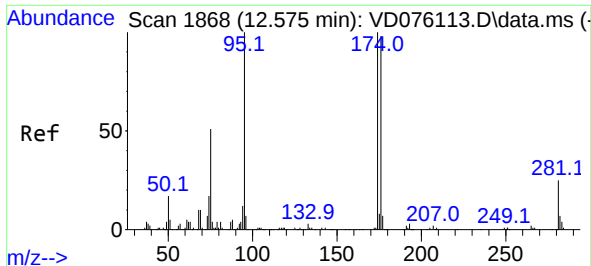
Tgt Ion:117 Resp: 24136
Ion Ratio Lower Upper
117 100
119 5.5 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 26.823 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

Tgt Ion: 98 Resp: 399178
Ion Ratio Lower Upper
98 100
100 61.5 52.1 78.1

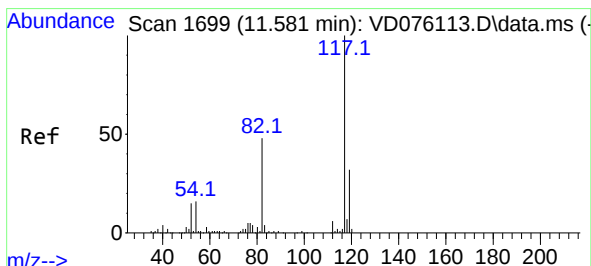
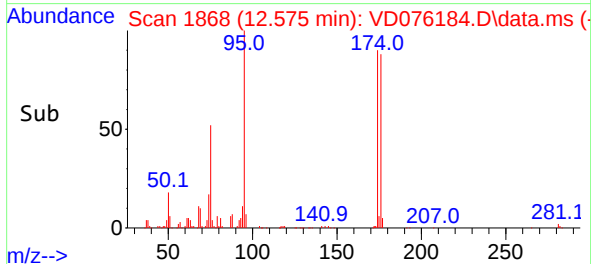
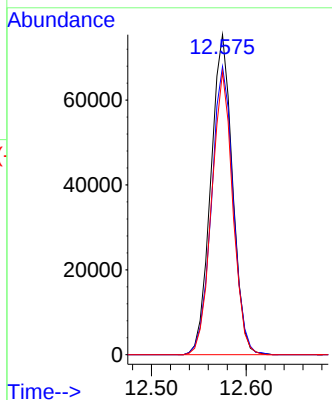
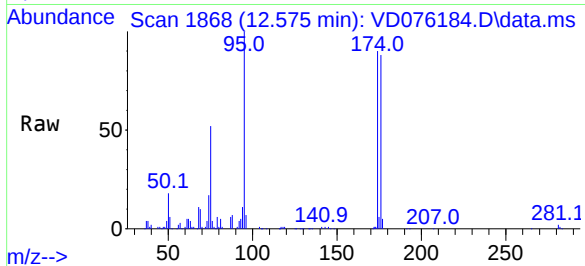




#62
4-Bromofluorobenzene
Concen: 29.007 ug/l
RT: 12.575 min Scan# 119914
Delta R.T. -0.000 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

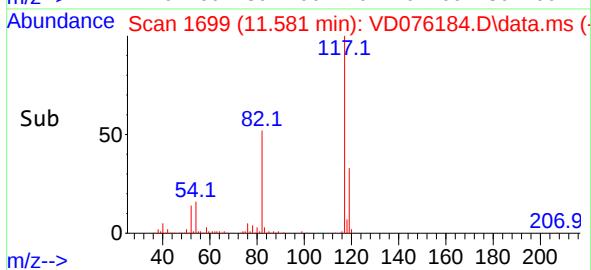
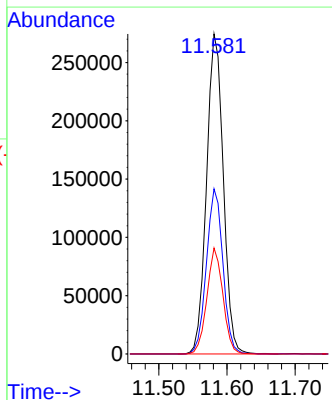
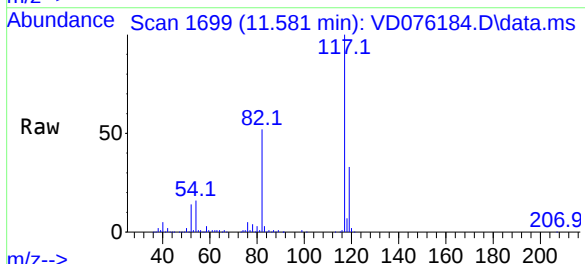
Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

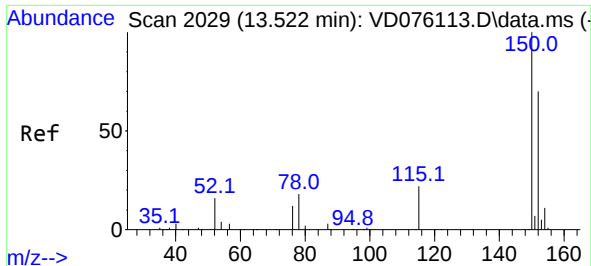
Tgt Ion:	95	Resp:	119914
Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	164.0
176	85.7	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

Tgt Ion:	117	Resp:	469637
Ion	Ratio	Lower	Upper
117	100		
82	51.6	44.0	66.0
119	33.1	25.1	37.7

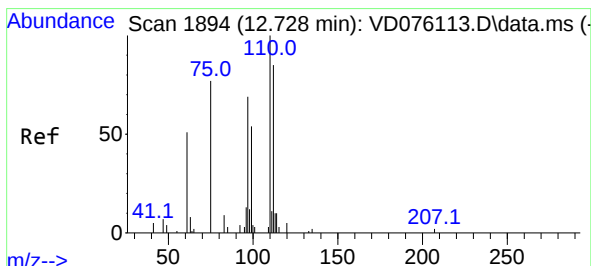
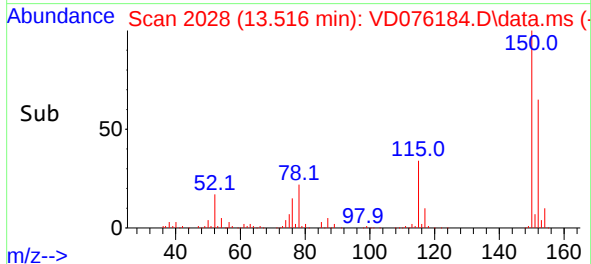
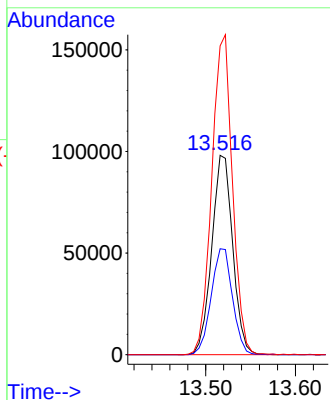
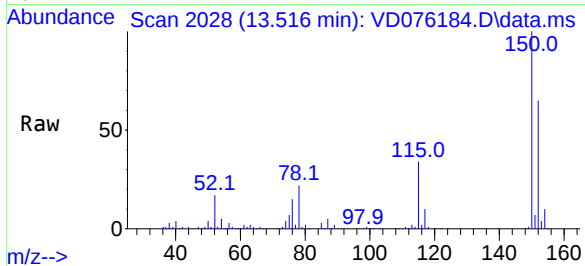




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

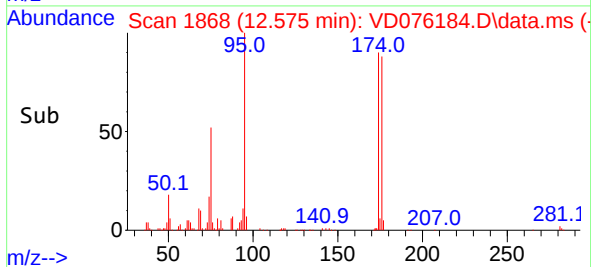
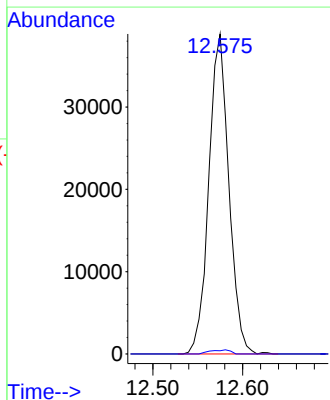
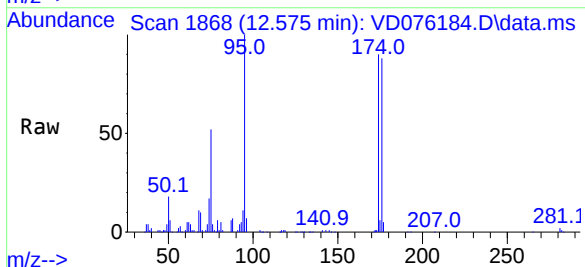
Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

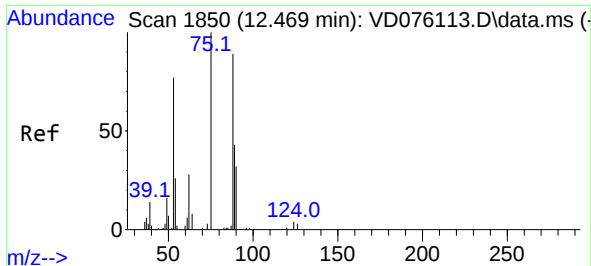
Tgt Ion:152 Resp: 159262
Ion Ratio Lower Upper
152 100
115 54.0 30.1 90.3
150 158.1 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 43.278 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076184.D
Acq: 22 May 2023 19:22

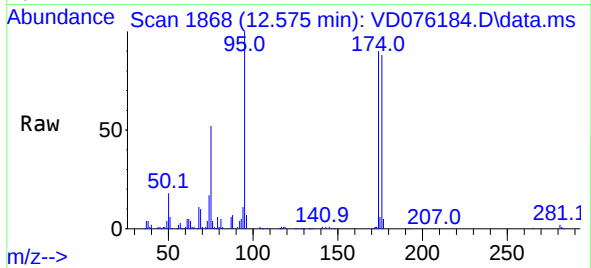
Tgt Ion: 75 Resp: 60315
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.789 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.100 min
 Lab File: VD076184.D
 Acq: 22 May 2023 19:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-226



Tgt Ion:	75	Resp:	60315
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

