

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072964.D
 Acq On : 12 May 2022 23:09
 Operator : VA/SY
 Sample : N2817-06
 Misc : 4.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 13 05:59:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

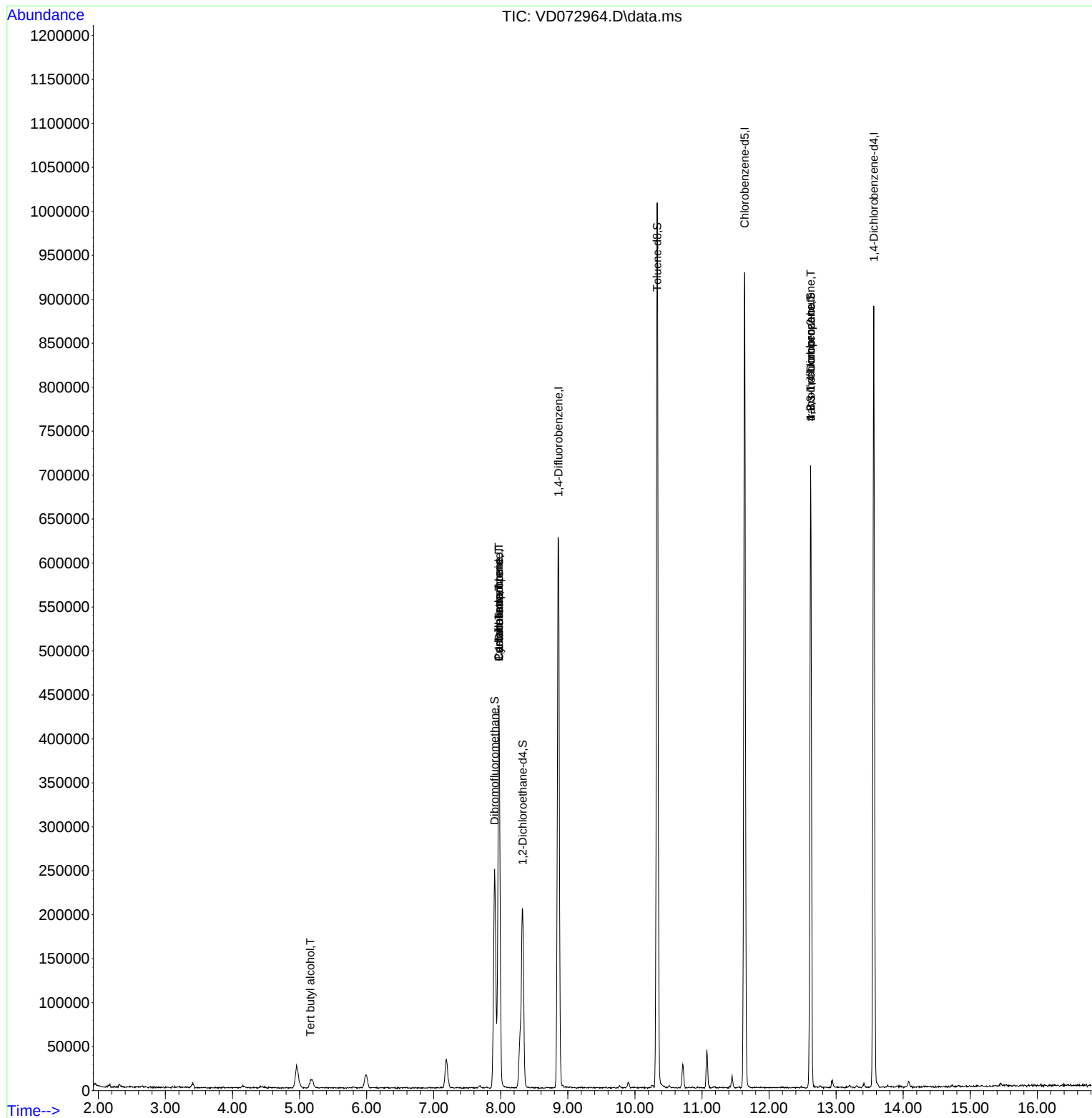
Internal Standards						
1) Pentafluorobenzene	7.973	168	309391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	550260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	530900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164496	40.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.920%		
35) Dibromofluoromethane	7.908	113	177868	46.026	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.060%		
50) Toluene-d8	10.332	98	672367	48.503	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.000%		
62) 4-Bromofluorobenzene	12.620	95	225250	43.578	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.160%		
Target Compounds						
5) Bromomethane	2.779	94	378	Below Cal	#	38
11) Tert butyl alcohol	5.162	59	4234	12.185	ug/l #	74
16) Acetone	4.156	43	5011	Below Cal	#	89
18) Methyl Acetate	4.709	43	69	Below Cal	#	55
20) Methylene Chloride	4.956	84	19473	Below Cal	#	81
31) Cyclohexane	7.973	56	7201	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25735	4.095	ug/l #	50
38) Carbon Tetrachloride	7.973	117	32899	5.044	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	115834	44.915	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	115834	103.285	ug/l #	7

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

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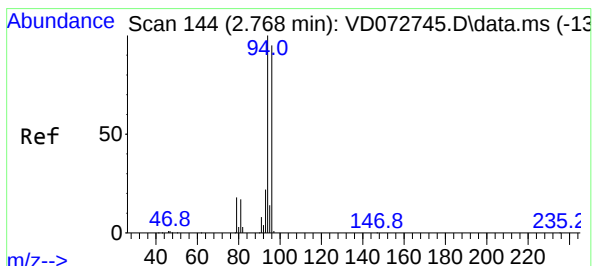
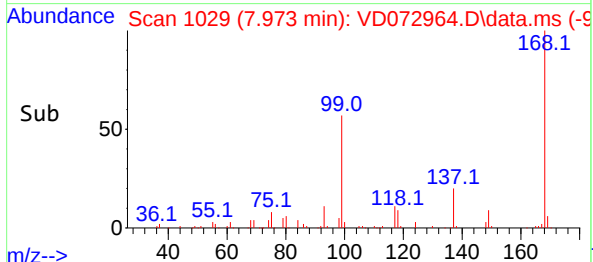
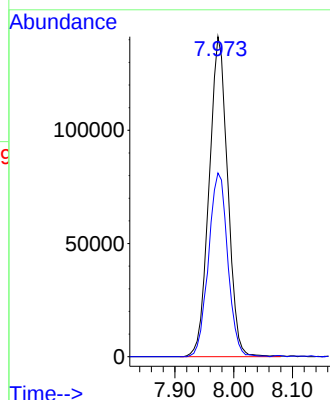
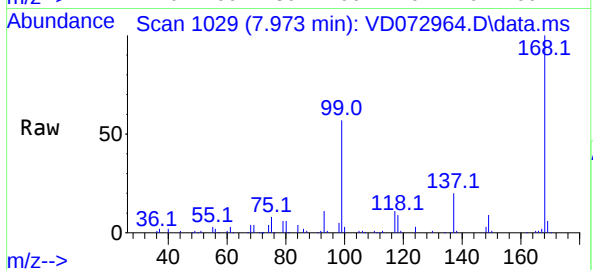




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

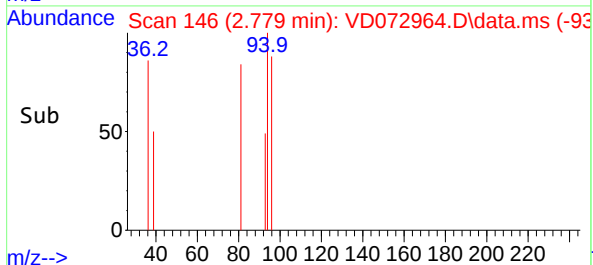
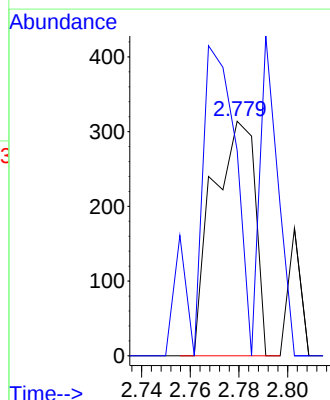
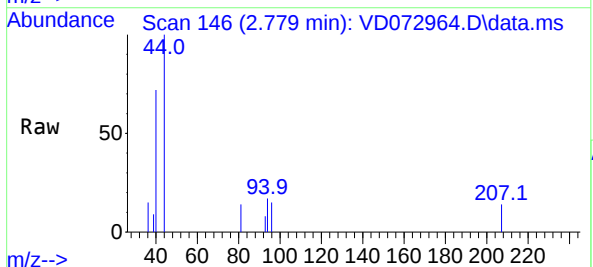
Instrument :
MSVOA_D
ClientSampleId :

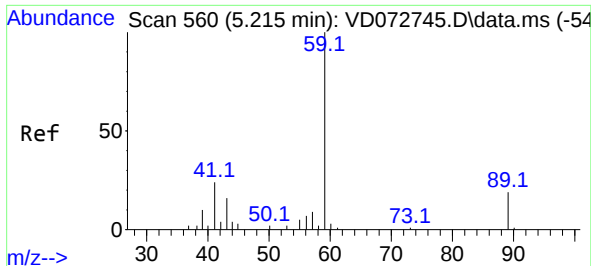
Tgt Ion:168 Resp: 309391
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

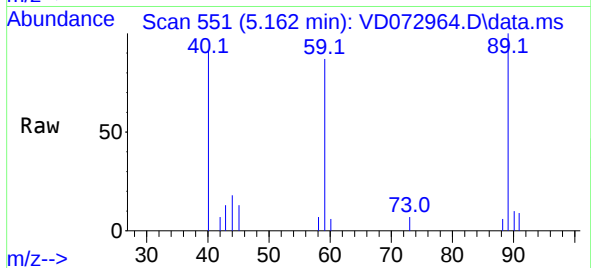
Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 36.3 77.6 116.4#



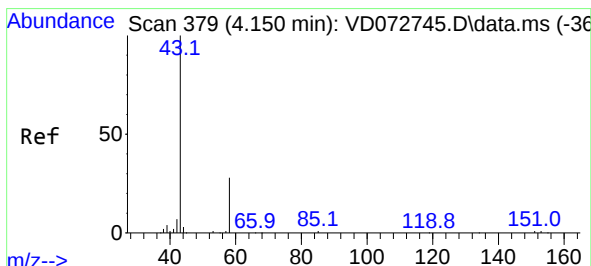
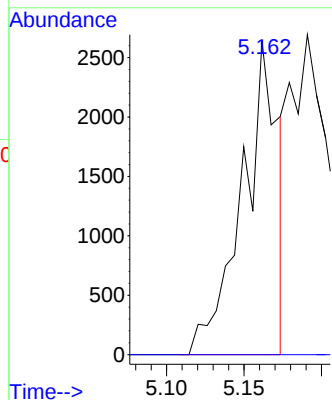
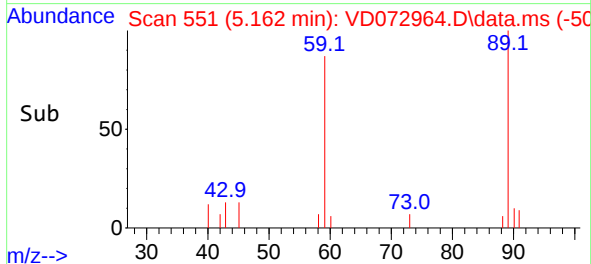


#11
Tert butyl alcohol
Concen: 12.185 ug/l
RT: 5.162 min Scan# 51
Delta R.T. -0.053 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

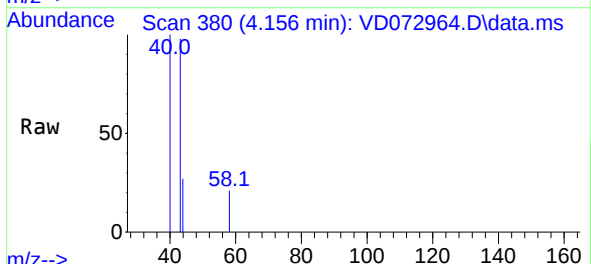
Instrument :
MSVOA_D
ClientSampleId :



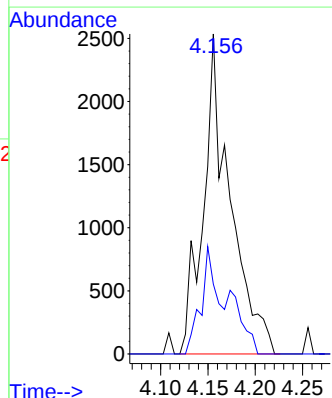
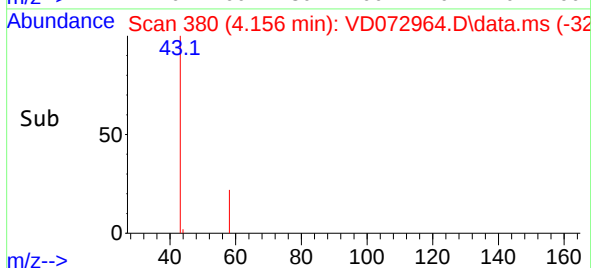
Tgt Ion: 59 Resp: 4234
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

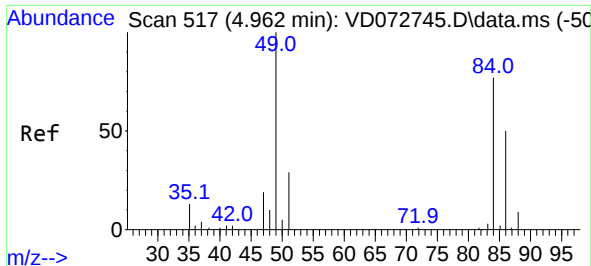


#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09



Tgt Ion: 43 Resp: 5011
Ion Ratio Lower Upper
43 100
58 21.9 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD072964.D

Acq: 12 May 2022 23:09

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 84 Resp: 19473

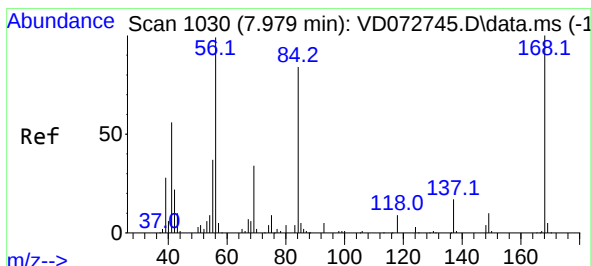
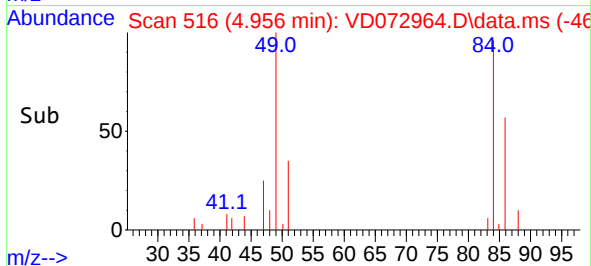
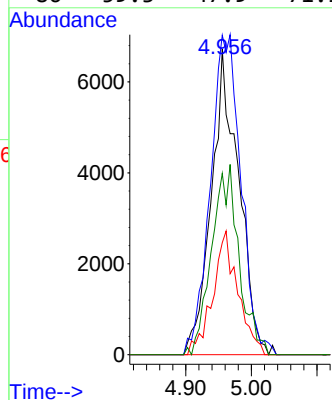
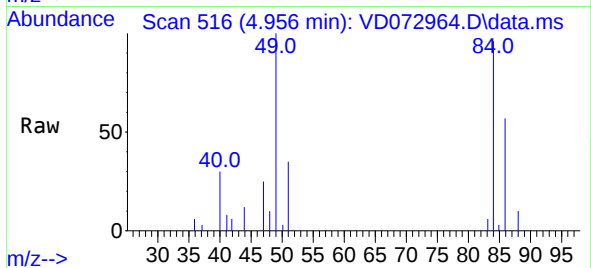
Ion Ratio Lower Upper

84 100

49 104.5 112.8 169.2#

51 36.7 32.6 48.8

86 59.3 47.9 71.9



#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072964.D

Acq: 12 May 2022 23:09

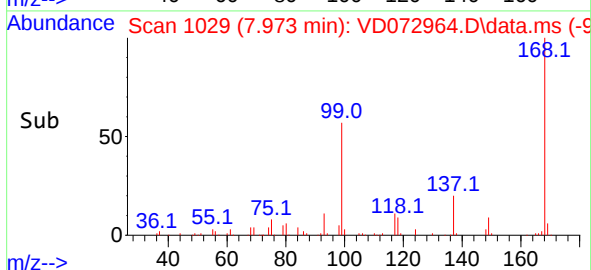
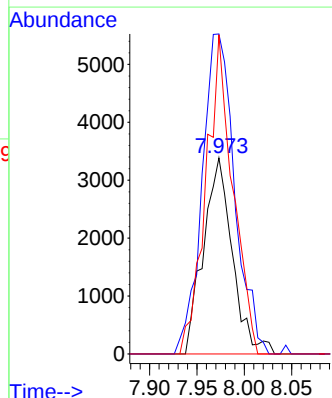
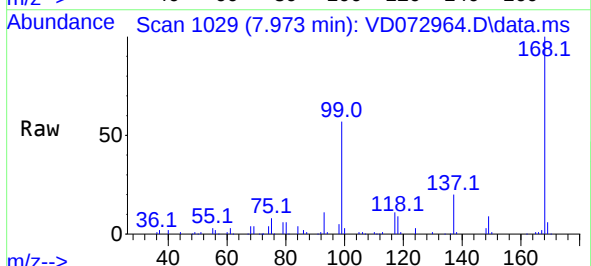
Tgt Ion: 56 Resp: 7201

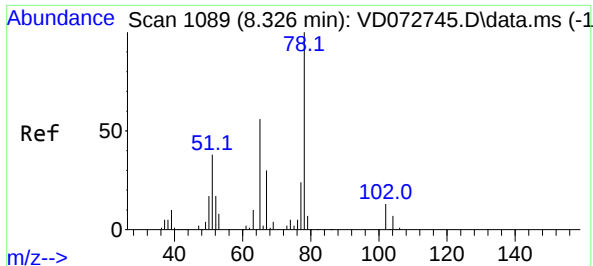
Ion Ratio Lower Upper

56 100

69 163.2 25.4 38.2#

84 162.8 63.0 94.4#

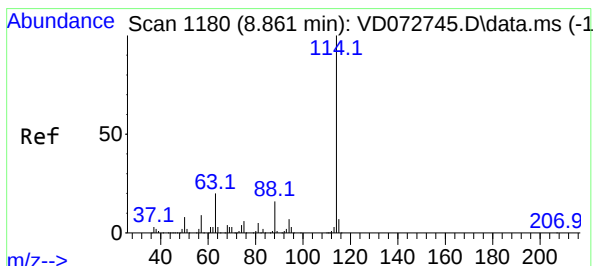
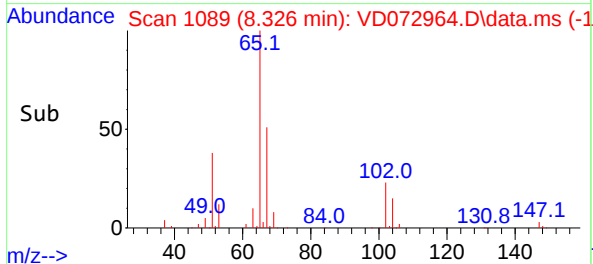
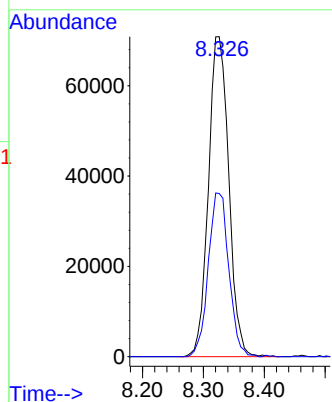
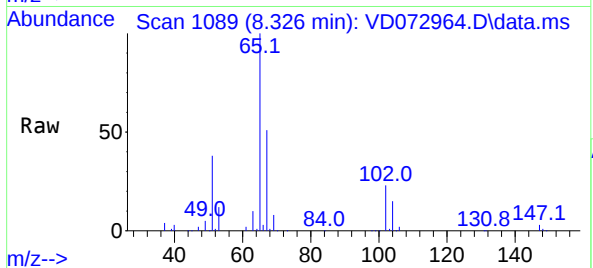




#33
1,2-Dichloroethane-d4
Concen: 40.959 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

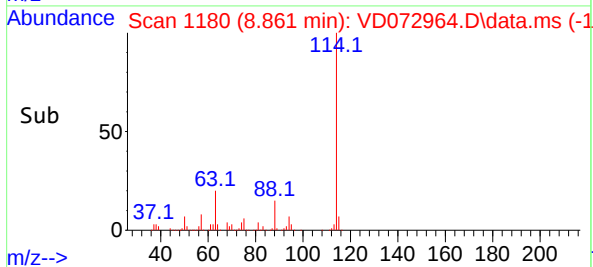
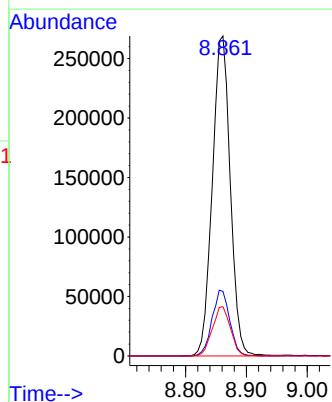
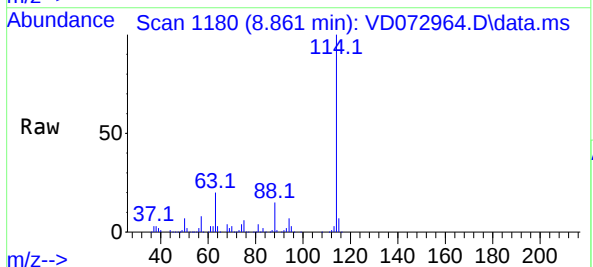
Instrument :
MSVOA_D
ClientSampleId :

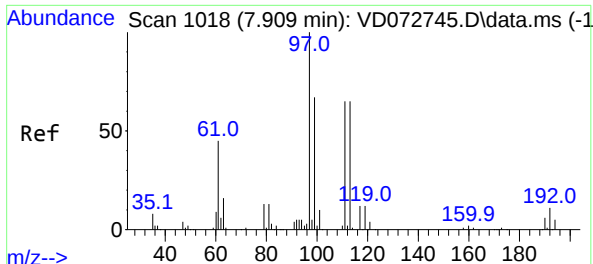
Tgt Ion: 65 Resp: 164496
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

Tgt Ion: 114 Resp: 550260
Ion Ratio Lower Upper
114 100
63 20.2 0.0 46.6
88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.026 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

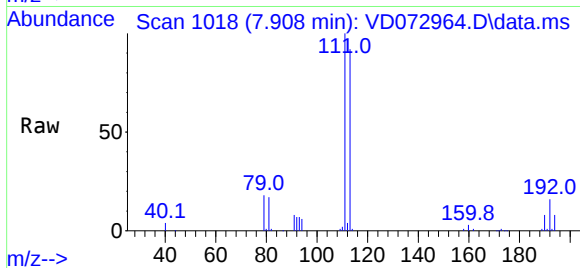
Lab File: VD072964.D

Acq: 12 May 2022 23:09

Instrument :

MSVOA_D

ClientSampleId :



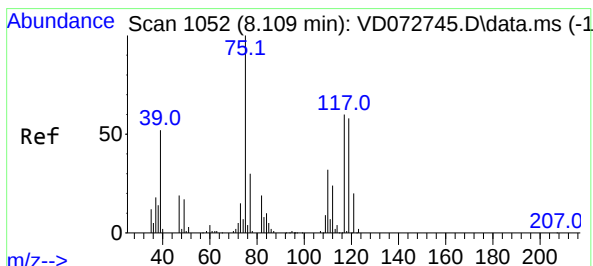
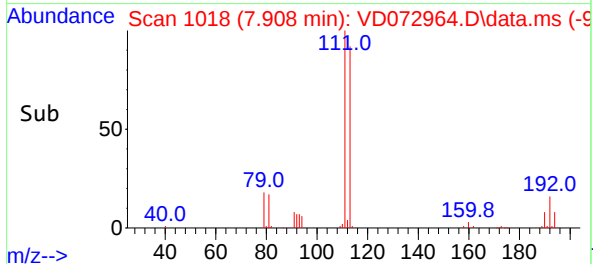
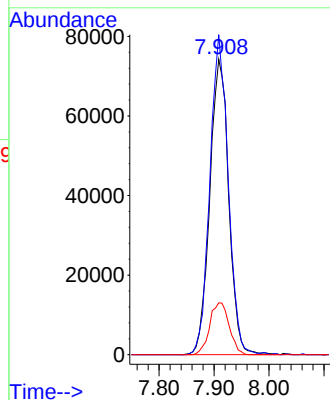
Tgt Ion:113 Resp: 177868

Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.095 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072964.D

Acq: 12 May 2022 23:09

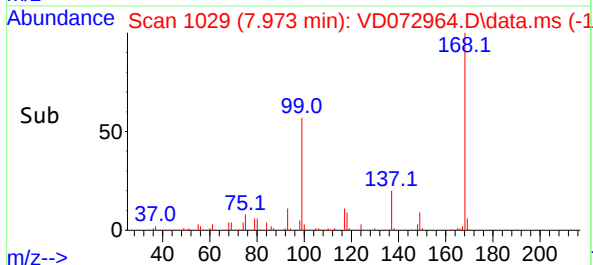
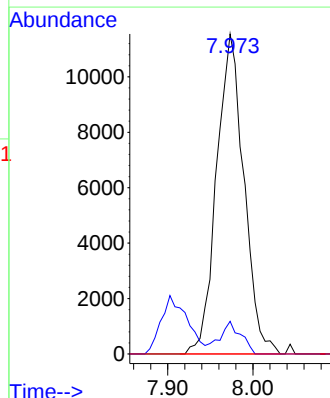
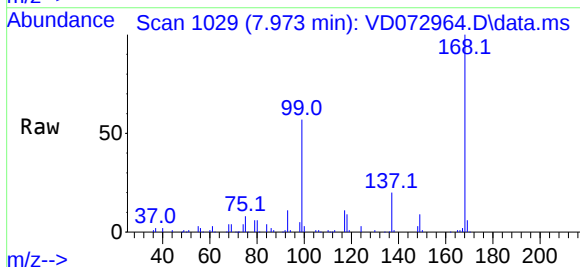
Tgt Ion: 75 Resp: 25735

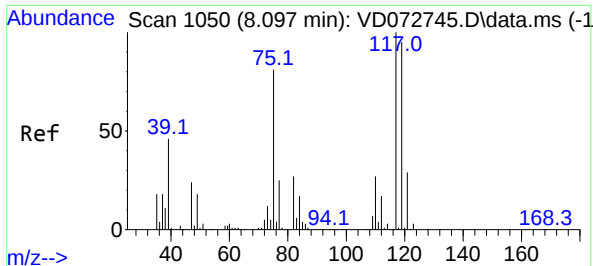
Ion Ratio Lower Upper

75 100

110 8.0 16.4 49.1#

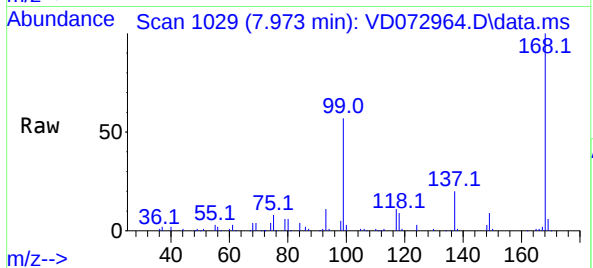
77 0.0 24.2 36.2#



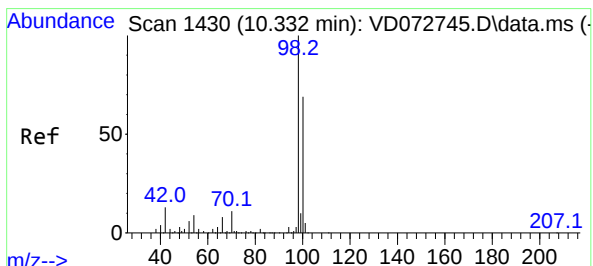
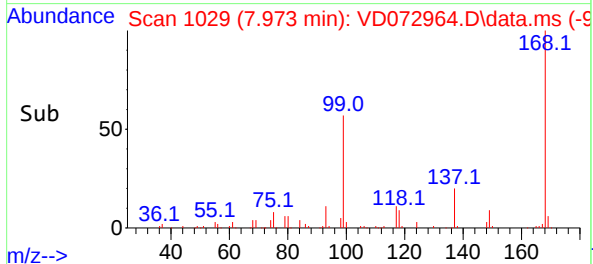
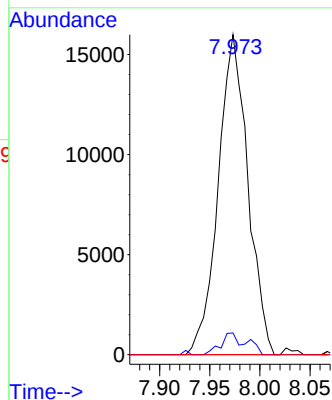


#38
Carbon Tetrachloride
Concen: 5.044 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

Instrument :
MSVOA_D
ClientSampleId :

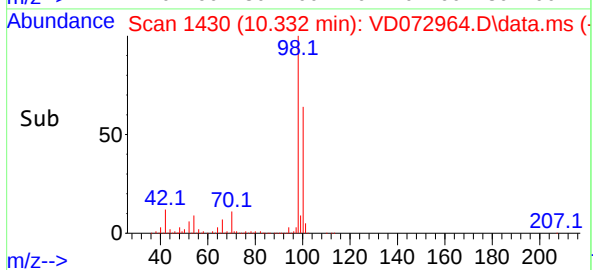
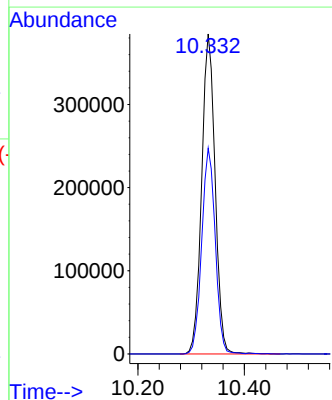
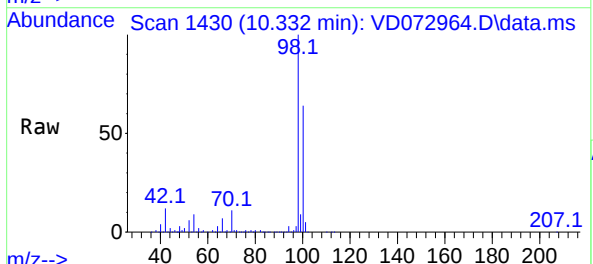


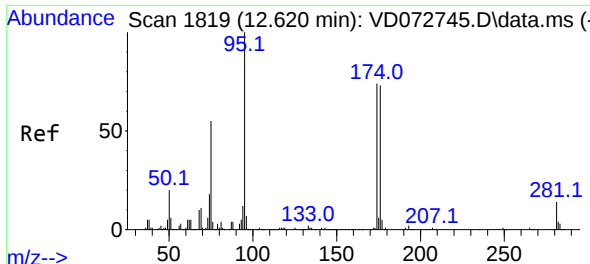
Tgt Ion:117 Resp: 32899
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.503 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

Tgt Ion: 98 Resp: 672367
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6

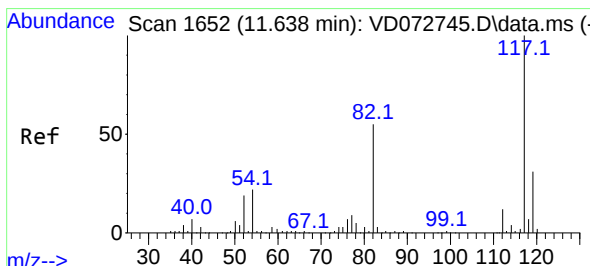
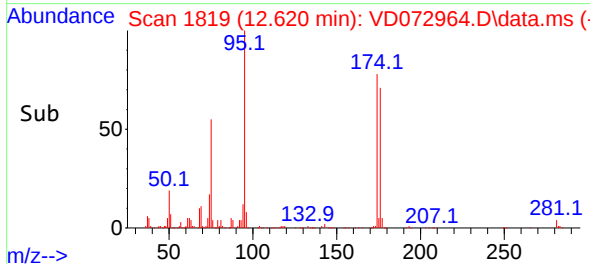
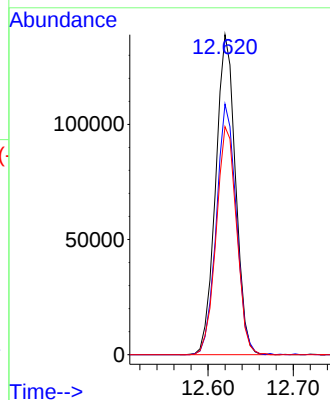
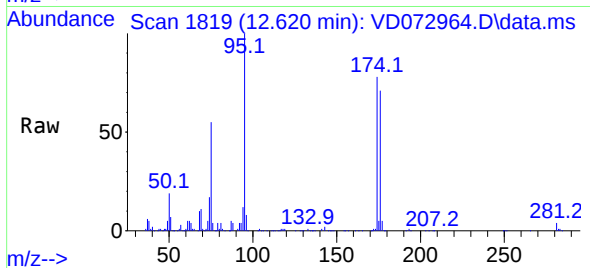




#62
4-Bromofluorobenzene
Concen: 43.578 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

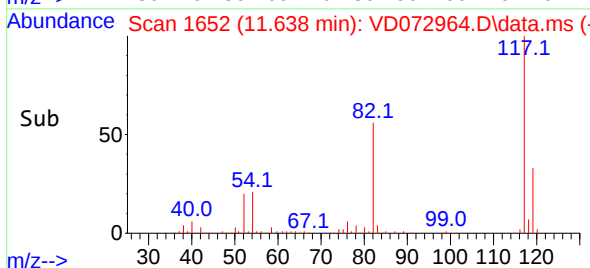
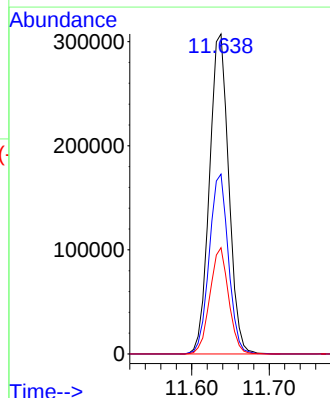
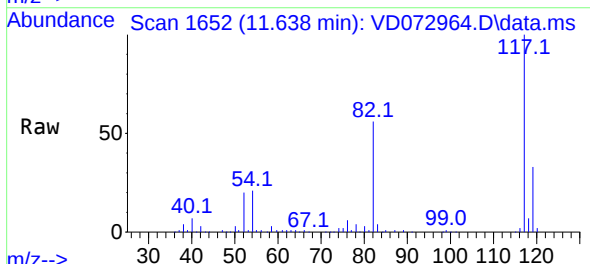
Instrument :
MSVOA_D
ClientSampleId :

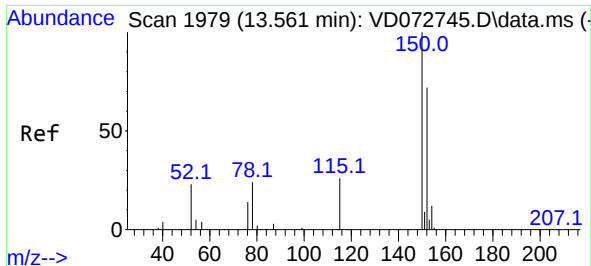
Tgt Ion: 95 Resp: 225250
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 73.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

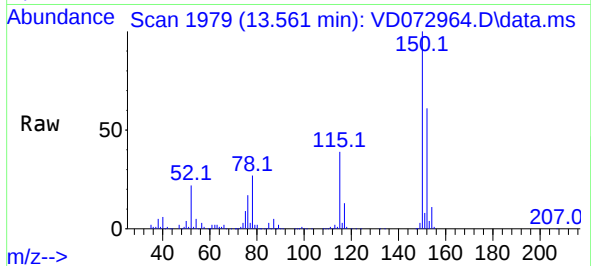
Tgt Ion: 117 Resp: 530900
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 33.2 26.6 40.0



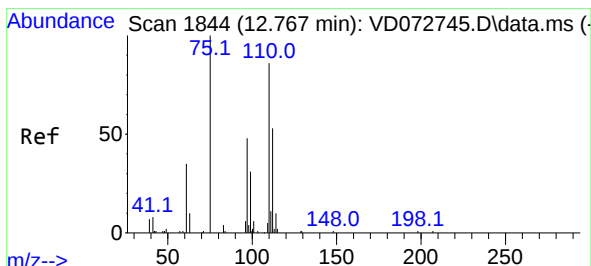
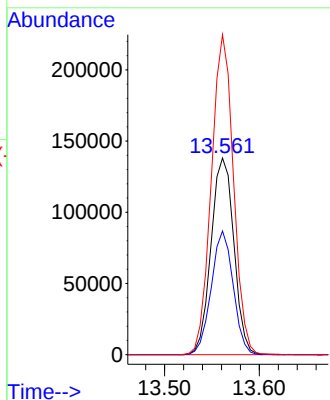
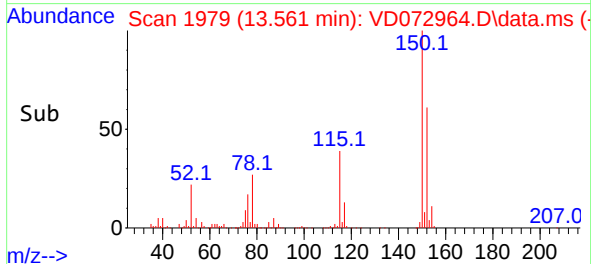


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

Instrument :
MSVOA_D
ClientSampleId :

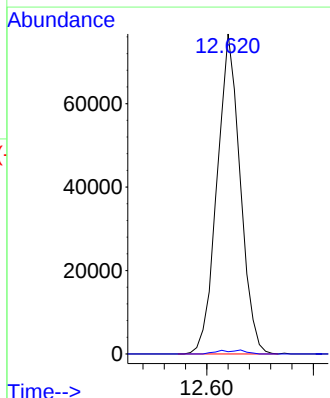
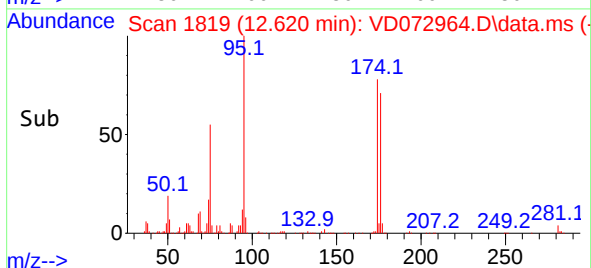
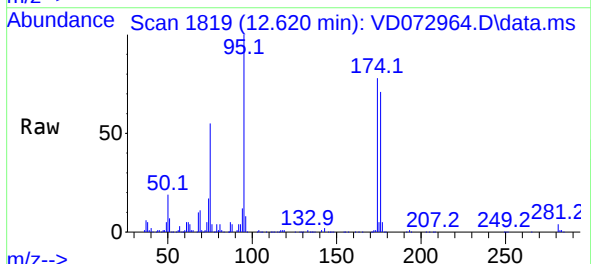


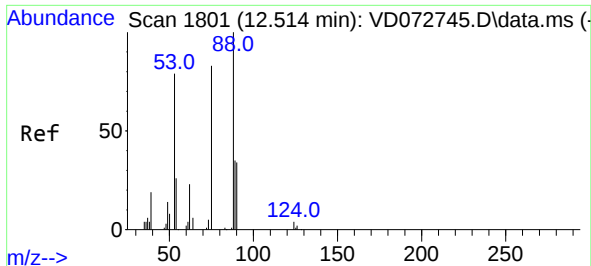
Tgt Ion:152 Resp: 231285
Ion Ratio Lower Upper
152 100
115 60.5 31.3 93.8
150 157.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.915 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072964.D
Acq: 12 May 2022 23:09

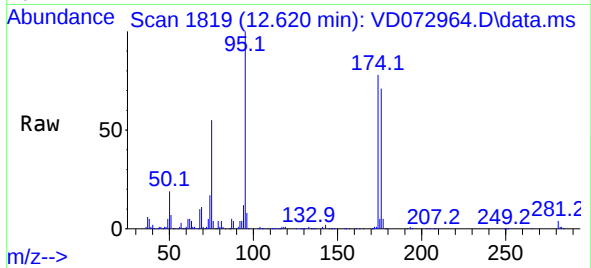
Tgt Ion: 75 Resp: 115834
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.285 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072964.D
 Acq: 12 May 2022 23:09

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 115834
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

