

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072973.D
 Acq On : 13 May 2022 04:22
 Operator : VA/SY
 Sample : N2817-09
 Misc : 5.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P010-SS003-1218-01

Quant Time: May 13 06:03:42 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	7.979	168	303260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	540863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	548776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250020	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174285	44.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.540%
35) Dibromofluoromethane	7.908	113	185277	48.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.560%
50) Toluene-d8	10.332	98	663456	48.691	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.620	95	239542	47.148	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.300%

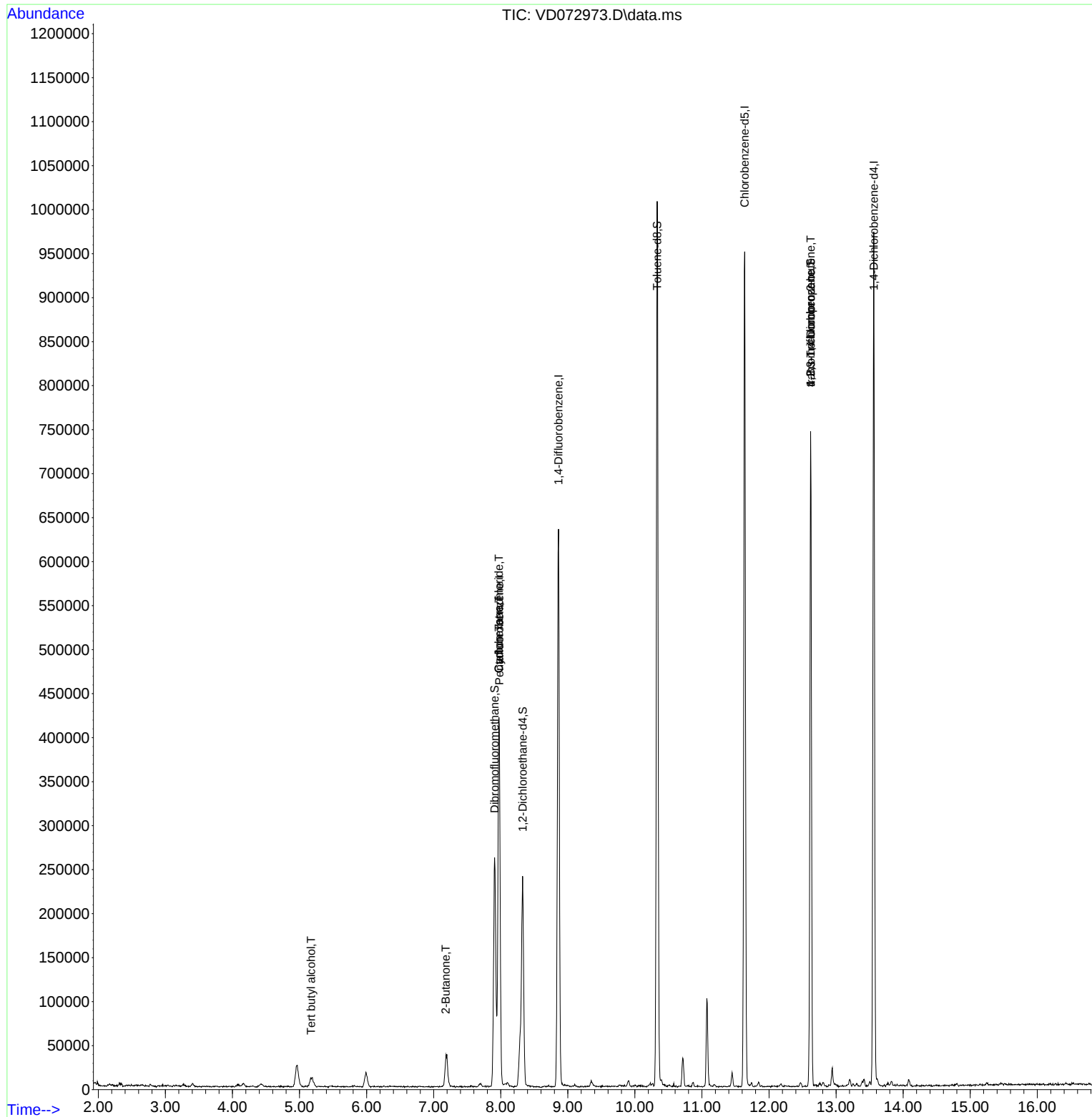
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	1152	Below Cal	#	33
11) Tert butyl alcohol	5.173	59	10841	31.830	ug/l #	74
16) Acetone	4.150	43	2971	Below Cal	#	81
18) Methyl Acetate	4.932	43	168	Below Cal	#	55
20) Methylene Chloride	4.967	84	19357	Below Cal		88
25) 2-Butanone	7.179	43	2185	1.905	ug/l #	52
31) Cyclohexane	7.973	56	9095	1.322	ug/l #	1
38) Carbon Tetrachloride	7.973	117	32655	5.093	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	123505	44.301	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	123505	101.873	ug/l #	7

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

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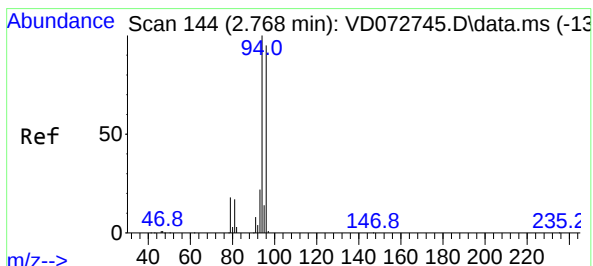
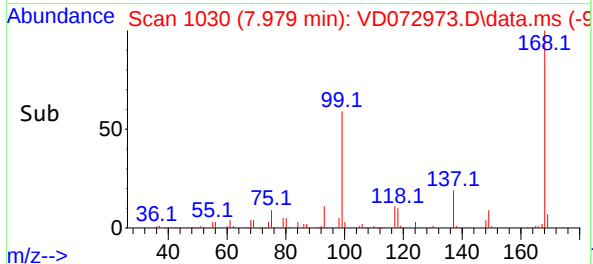
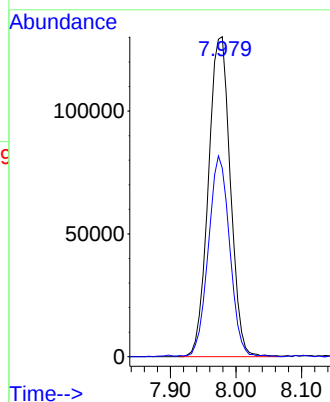
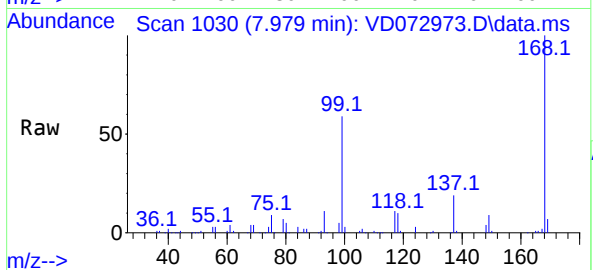




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

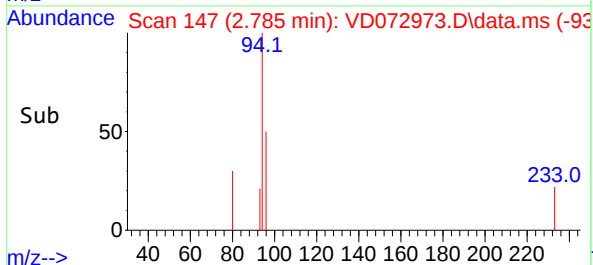
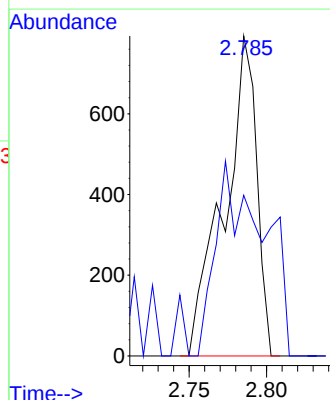
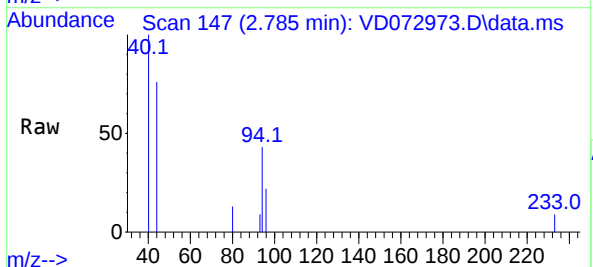
Instrument :
MSVOA_D
ClientSampleId :
P010-SS003-1218-01

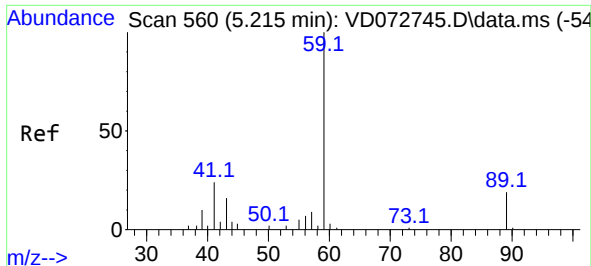
Tgt Ion:168 Resp: 303260
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

Tgt Ion: 94 Resp: 1152
Ion Ratio Lower Upper
94 100
96 31.1 77.6 116.4#





#11

Tert butyl alcohol

Concen: 31.830 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.042 min

Lab File: VD072973.D

Acq: 13 May 2022 04:22

Instrument :

MSVOA_D

ClientSampleId :

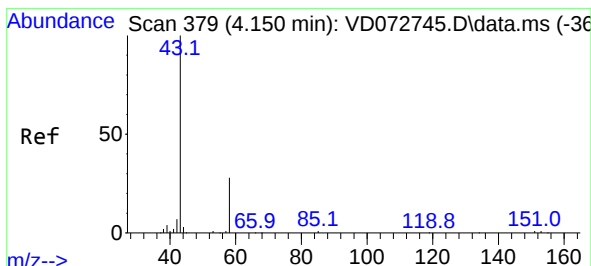
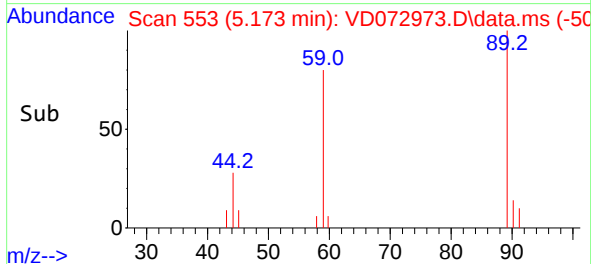
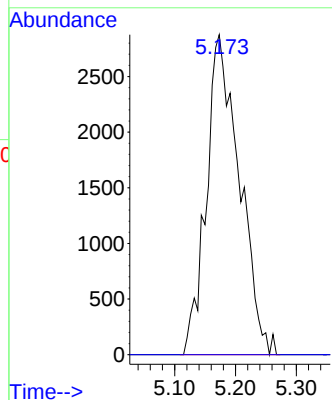
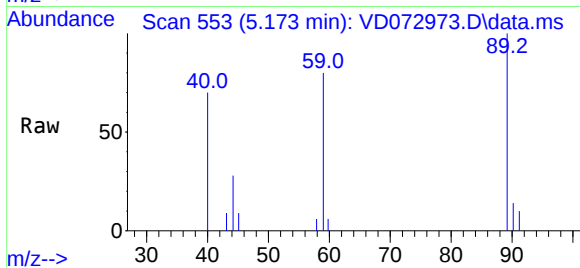
P010-SS003-1218-01

Tgt Ion: 59 Resp: 10841

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.150 min Scan# 379

Delta R.T. -0.000 min

Lab File: VD072973.D

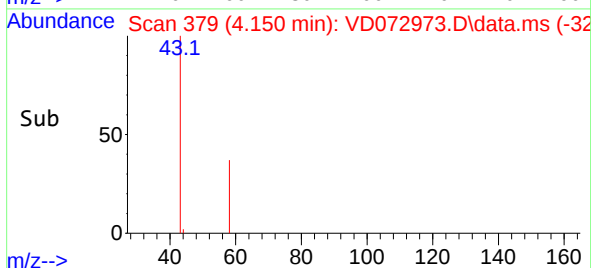
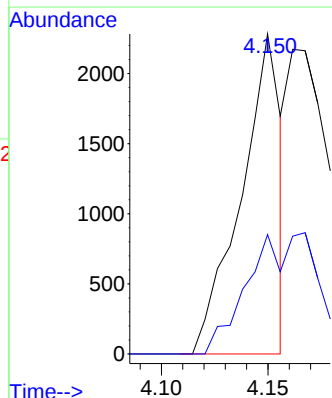
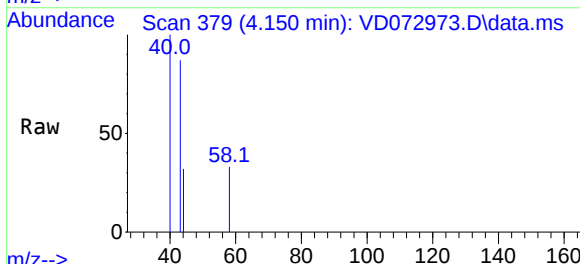
Acq: 13 May 2022 04:22

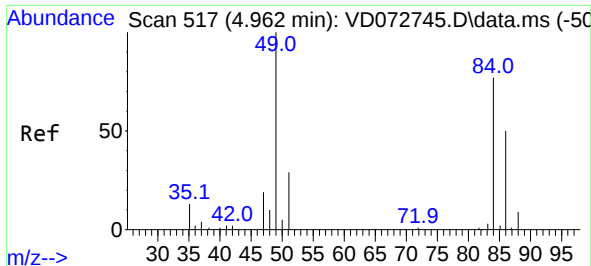
Tgt Ion: 43 Resp: 2971

Ion Ratio Lower Upper

43 100

58 37.3 22.1 33.1#



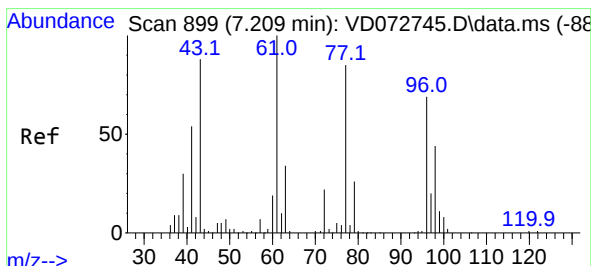
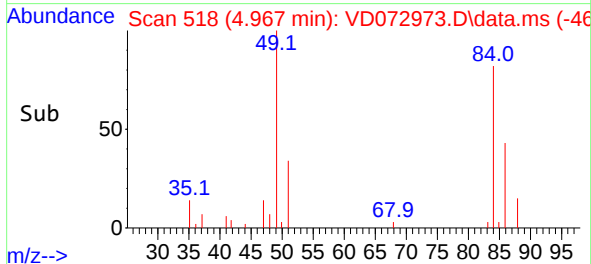
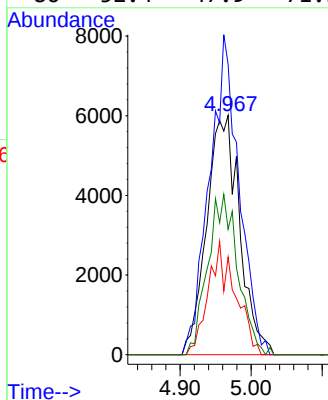
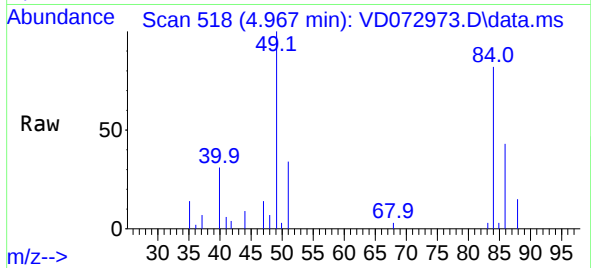


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

Instrument :
MSVOA_D
ClientSampleId :
P010-SS003-1218-01

Tgt Ion: 84 Resp: 19357

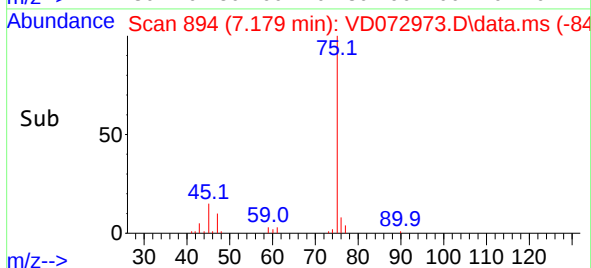
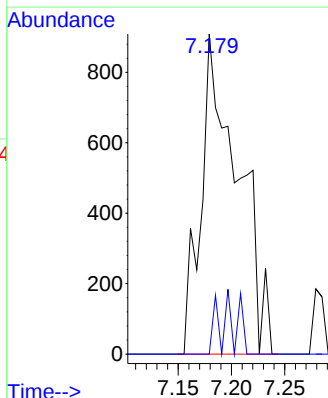
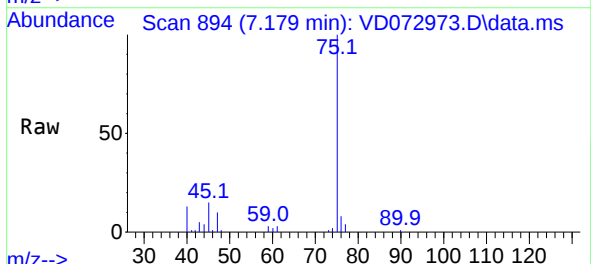
Ion	Ratio	Lower	Upper
84	100		
49	121.3	112.8	169.2
51	40.8	32.6	48.8
86	52.4	47.9	71.9

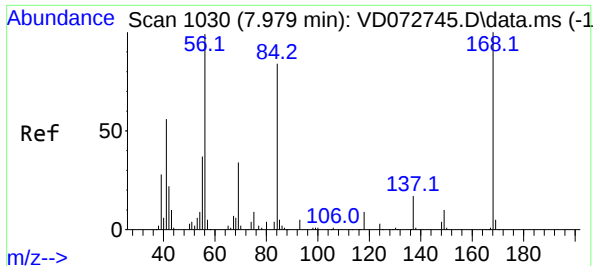


#25
2-Butanone
Concen: 1.905 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.030 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

Tgt Ion: 43 Resp: 2185

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072973.D

Acq: 13 May 2022 04:22

Instrument :

MSVOA_D

ClientSampleId :

P010-SS003-1218-01

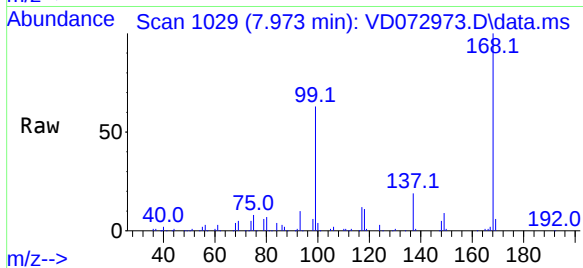
Tgt Ion: 56 Resp: 9095

Ion Ratio Lower Upper

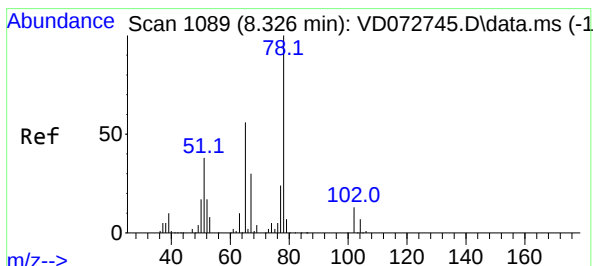
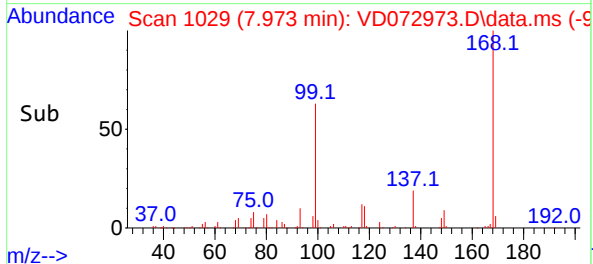
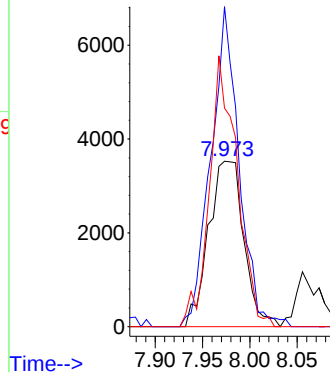
56 100

69 193.4 25.4 38.2#

84 132.1 63.0 94.4#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 44.274 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072973.D

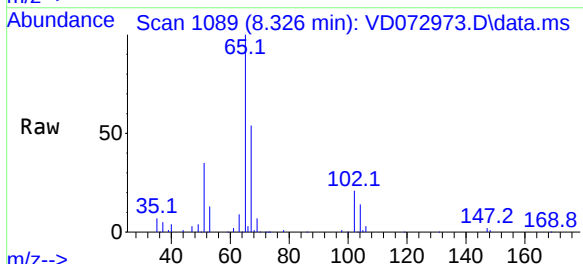
Acq: 13 May 2022 04:22

Tgt Ion: 65 Resp: 174285

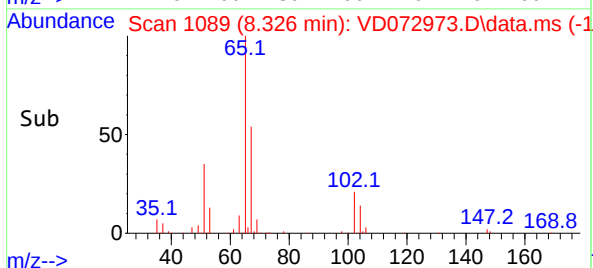
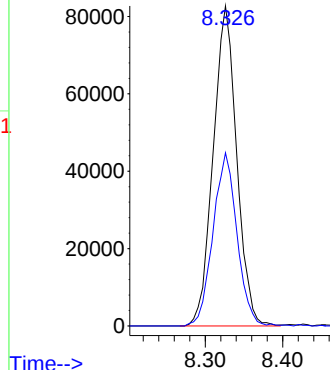
Ion Ratio Lower Upper

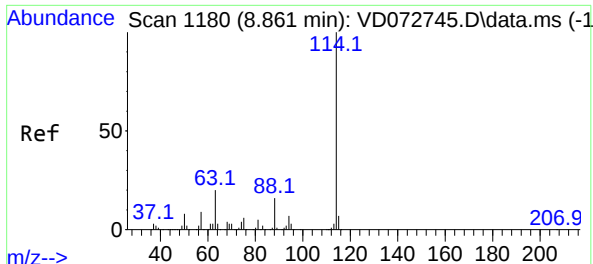
65 100

67 55.2 0.0 101.4



Abundance





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072973.D

Acq: 13 May 2022 04:22

Instrument :

MSVOA_D

ClientSampleId :

P010-SS003-1218-01

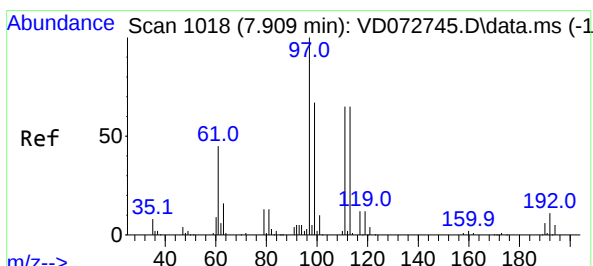
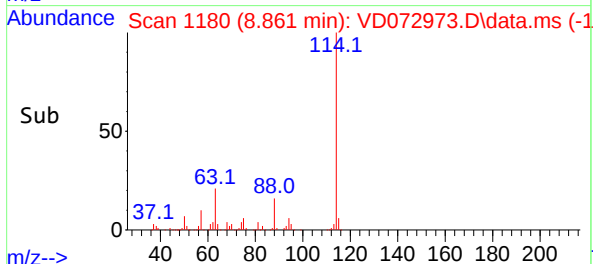
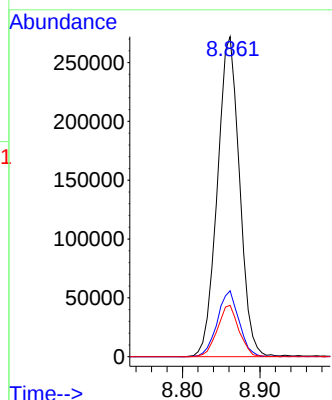
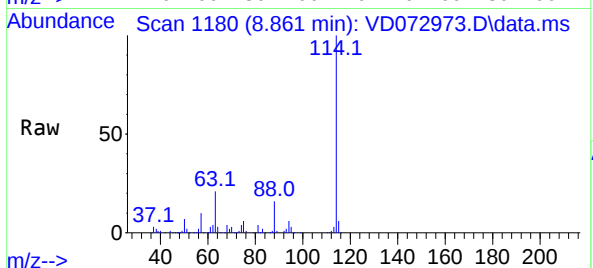
Tgt Ion:114 Resp: 540863

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.776 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072973.D

Acq: 13 May 2022 04:22

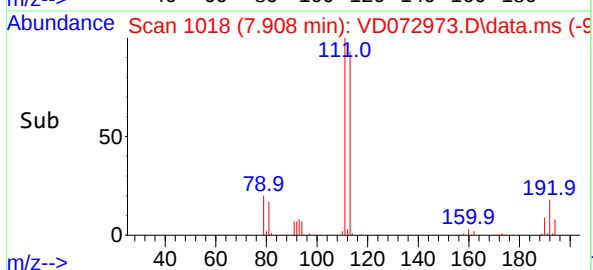
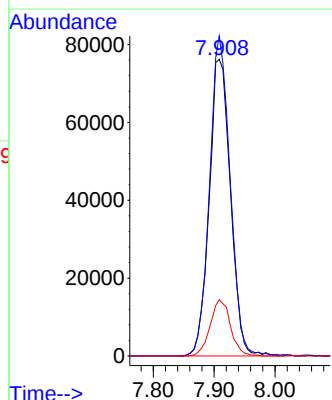
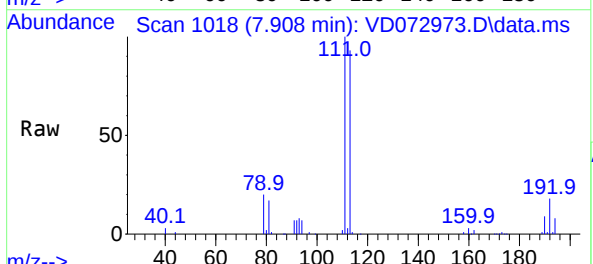
Tgt Ion:113 Resp: 185277

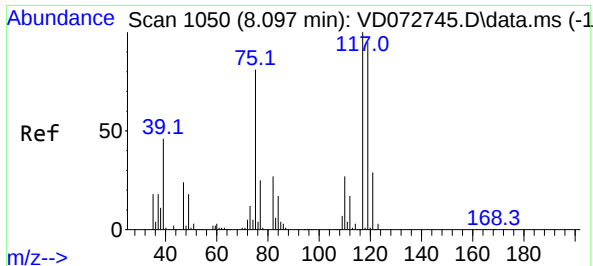
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 18.1 14.6 21.8

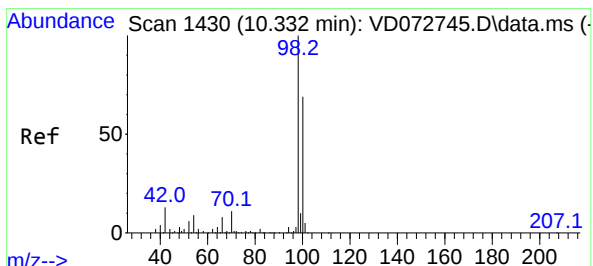
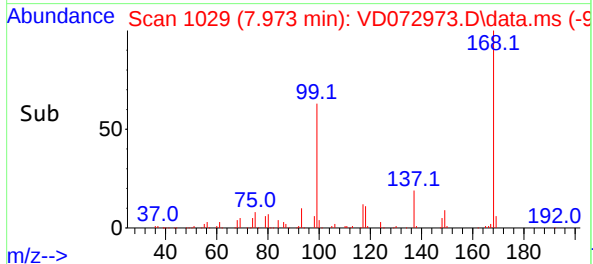
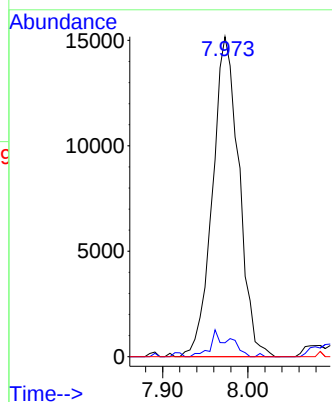
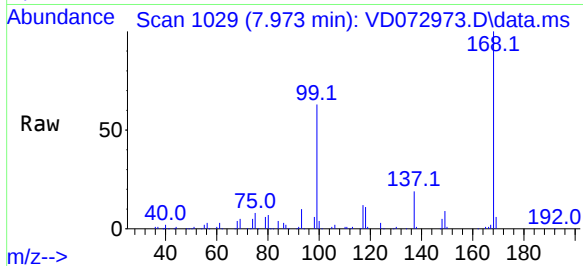




#38
Carbon Tetrachloride
Concen: 5.093 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

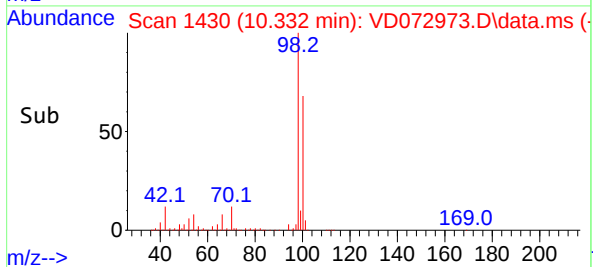
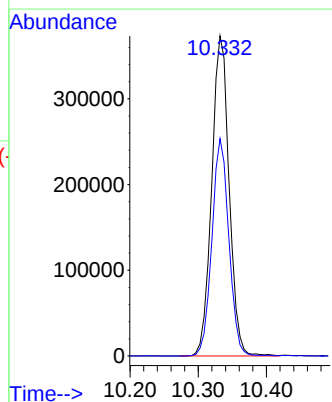
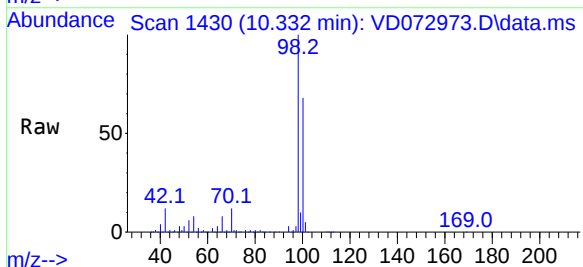
Instrument :
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P010-SS003-1218-01

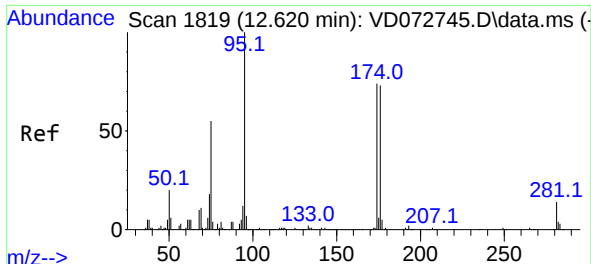
Tgt Ion:117 Resp: 32655
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.691 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

Tgt Ion: 98 Resp: 663456
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

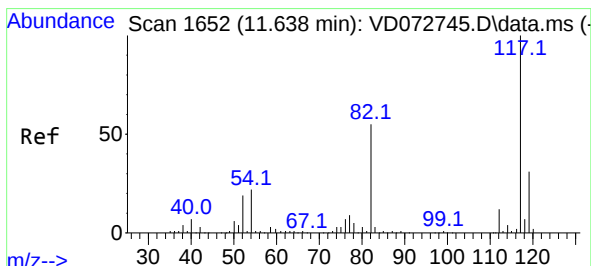
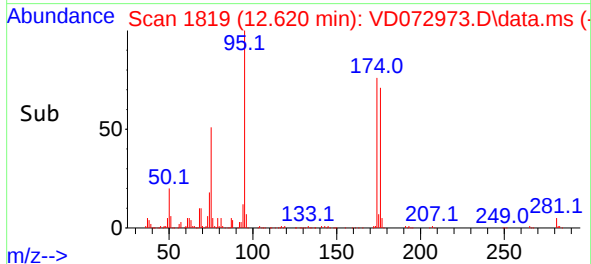
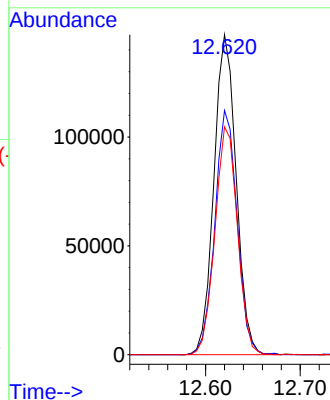
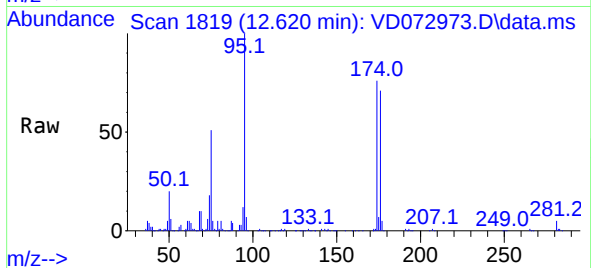




#62
4-Bromofluorobenzene
Concen: 47.148 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

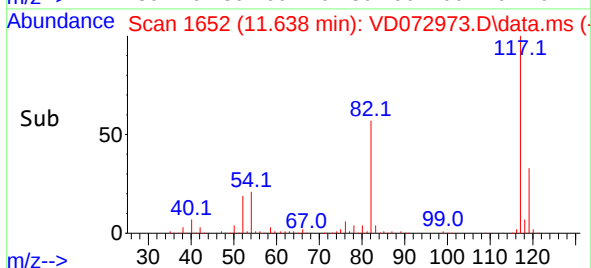
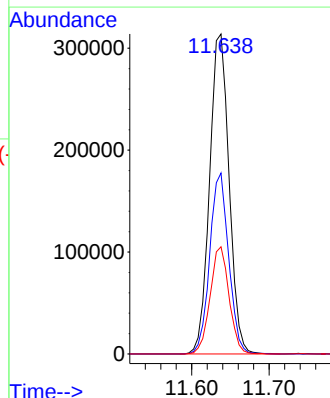
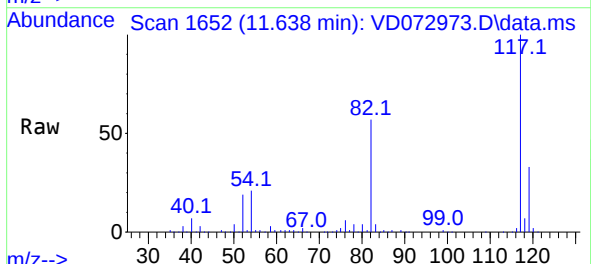
Instrument :
MSVOA_D
ClientSampleId :
P010-SS003-1218-01

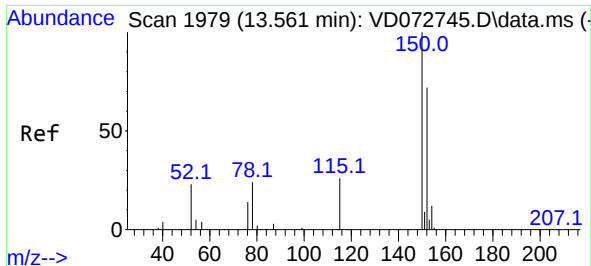
Tgt Ion: 95 Resp: 239542
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 72.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

Tgt Ion: 117 Resp: 548776
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 33.5 26.6 40.0

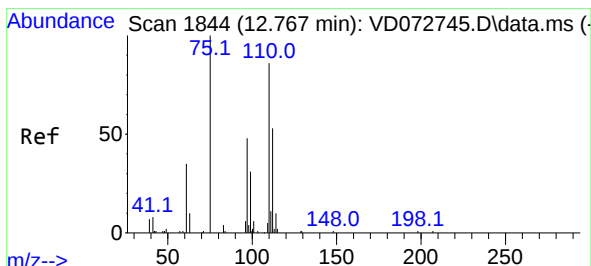
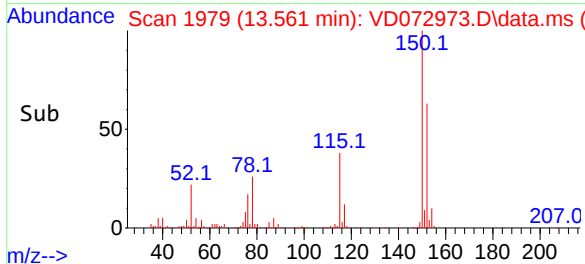
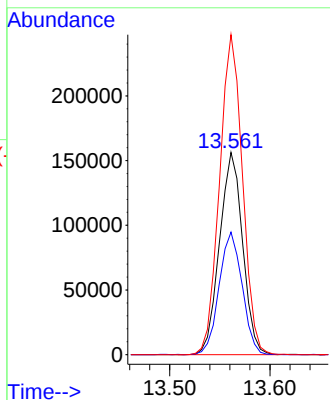
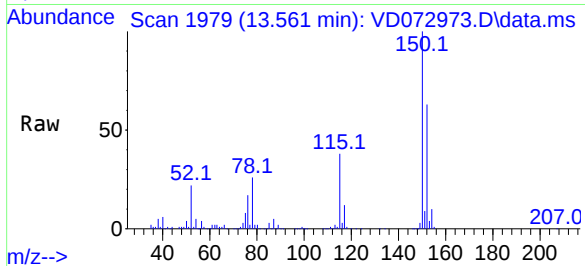




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

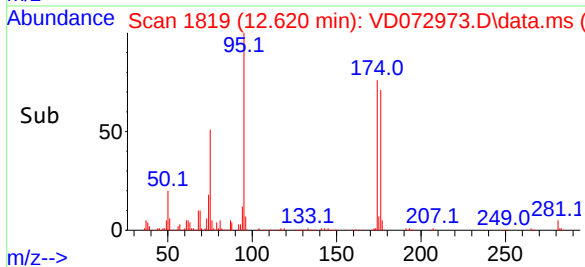
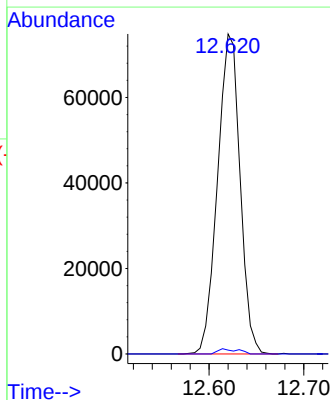
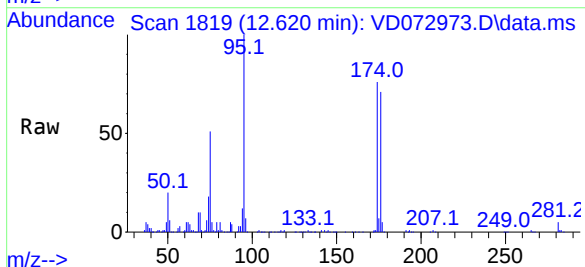
Instrument :
MSVOA_D
ClientSampleId :
P010-SS003-1218-01

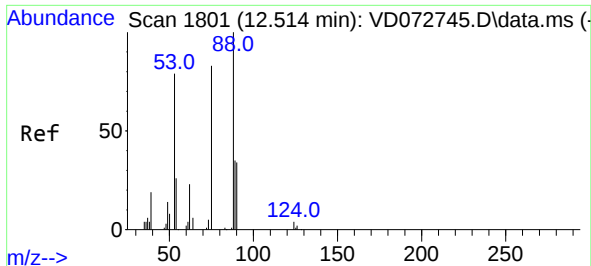
Tgt Ion:152 Resp: 250020
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 157.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.301 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

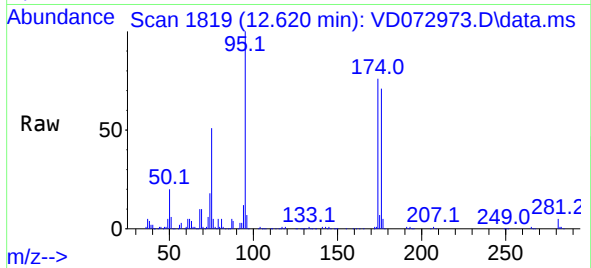
Tgt Ion: 75 Resp: 123505
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 101.873 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD072973.D
Acq: 13 May 2022 04:22

Instrument :
MSVOA_D
ClientSampleId :
P010-SS003-1218-01



Tgt Ion: 75 Resp: 123505
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#

