

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073231.D
 Acq On : 21 May 2022 15:55
 Operator : VA/SY
 Sample : N2870-02
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-0612-01

Quant Time: May 22 01:32:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

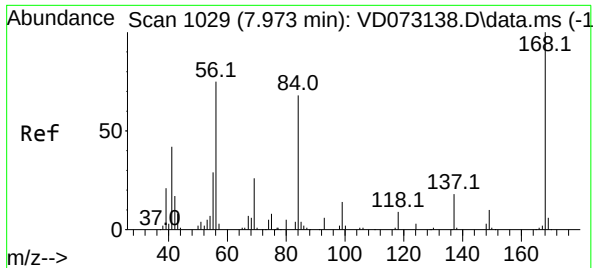
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	308389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	544674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	561356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168159	49.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.680%
35) Dibromofluoromethane	7.909	113	180369	50.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.360%
50) Toluene-d8	10.332	98	669035	50.498	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.620	95	243188	52.303	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.600%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	5698	1.849	ug/l	90
5) Bromomethane	2.774	94	1214	Below Cal		99
11) Tert butyl alcohol	5.173	59	14973	28.317	ug/l #	74
16) Acetone	4.162	43	7041	11.927	ug/l	96
20) Methylene Chloride	4.968	84	4838	Below Cal	#	71
25) 2-Butanone	7.197	43	2232	2.584	ug/l #	52
31) Cyclohexane	7.973	56	7348	1.234	ug/l #	18
36) 1,1-Dichloropropene	7.973	75	26555	4.913	ug/l #	50
38) Carbon Tetrachloride	7.973	117	32773	5.981	ug/l #	19
76) 1,2,3-Trichloropropane	12.620	75	123778	50.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	123778	120.162	ug/l #	7
95) Naphthalene	15.385	128	504	3.598	ug/l #	70

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

Quant Time: May 22 01:32:21 2022
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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

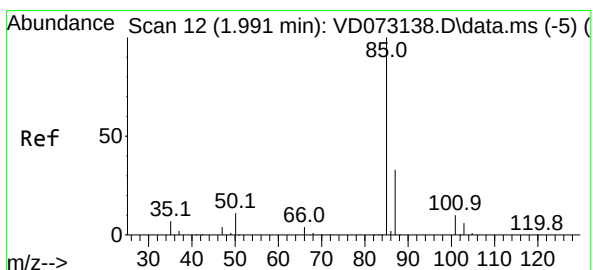
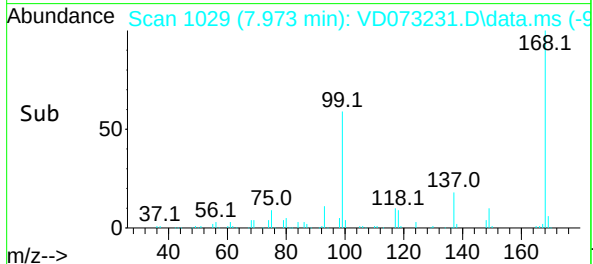
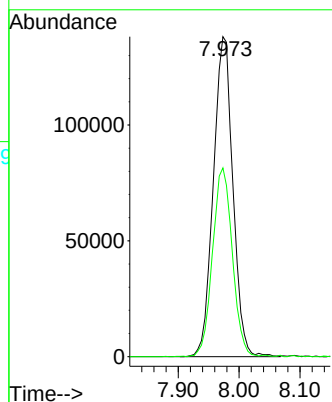
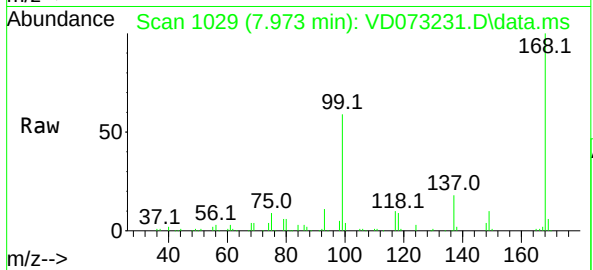




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

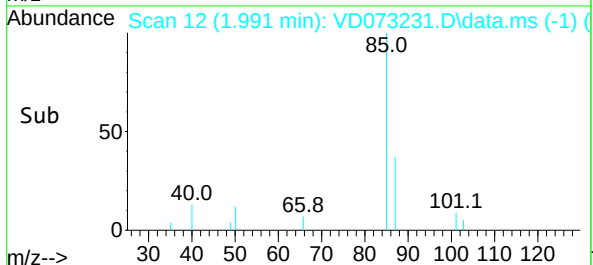
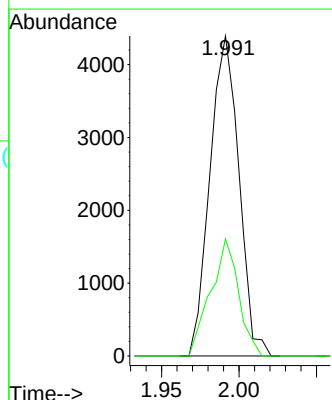
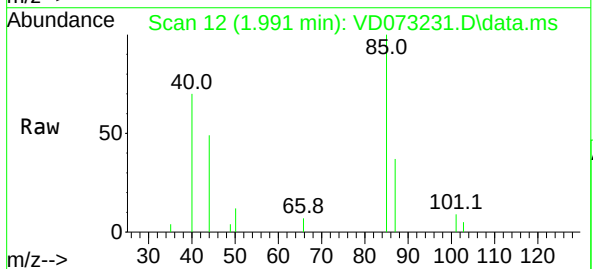
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0612-01

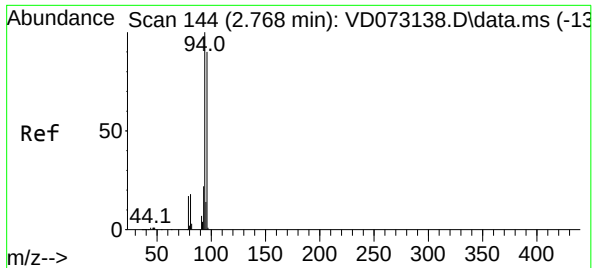
Tgt Ion:168 Resp: 308389
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.849 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 85 Resp: 5698
Ion Ratio Lower Upper
85 100
87 36.5 15.7 47.0

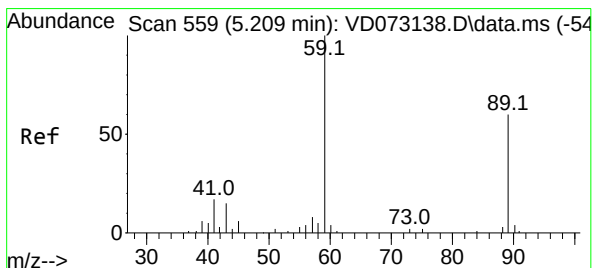
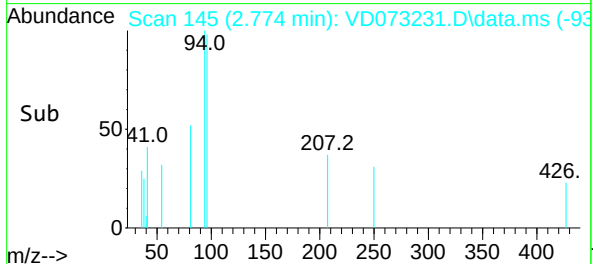
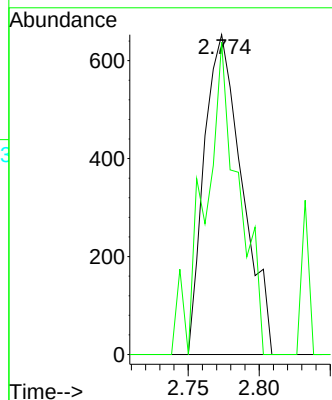
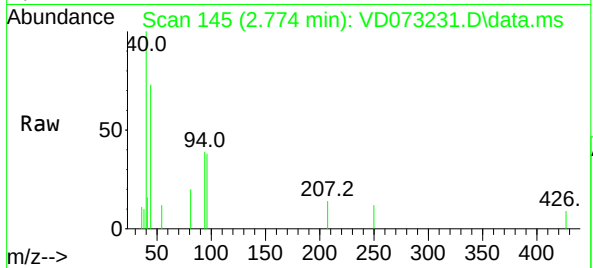




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

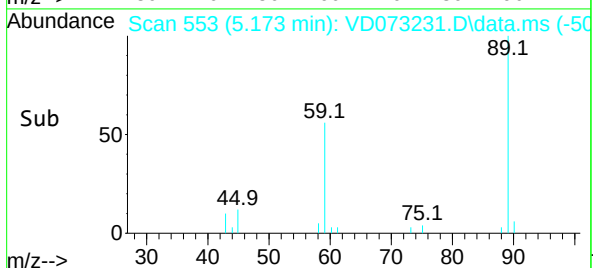
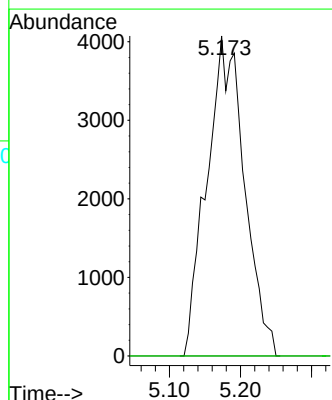
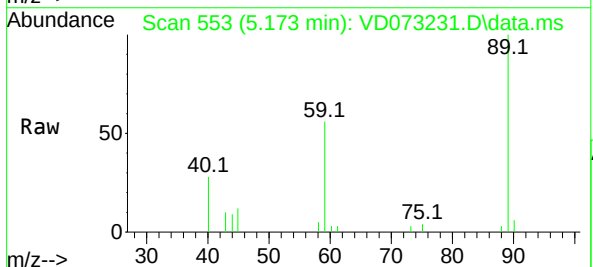
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0612-01

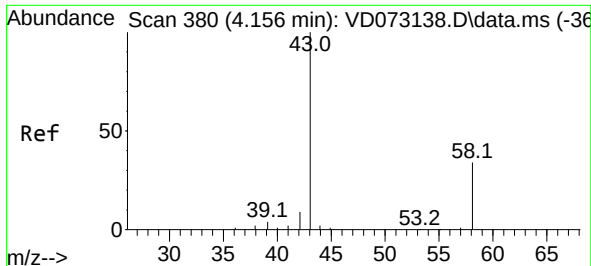
Tgt Ion: 94 Resp: 1214
Ion Ratio Lower Upper
94 100
96 97.7 77.6 116.4



#11
Tert butyl alcohol
Concen: 28.317 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 59 Resp: 14973
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

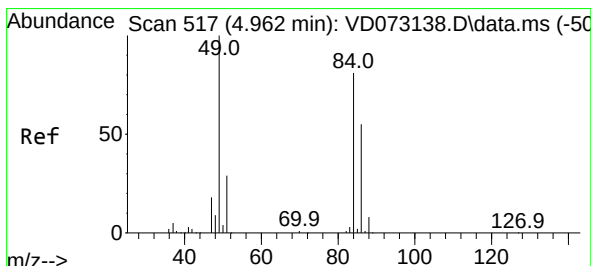
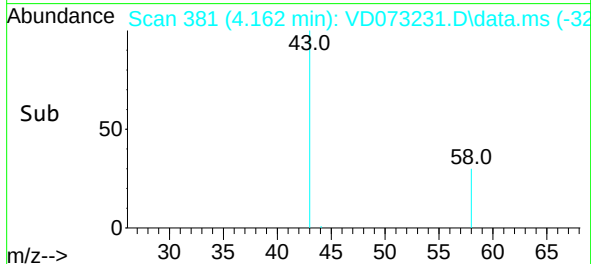
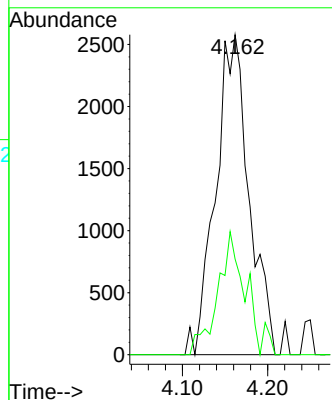
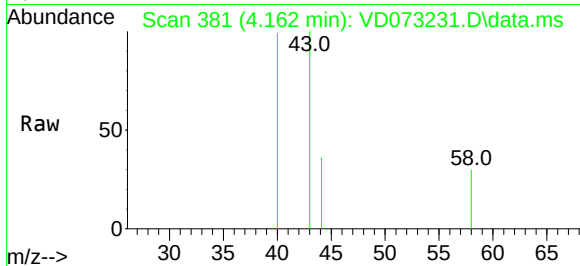




#16
Acetone
Concen: 11.927 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

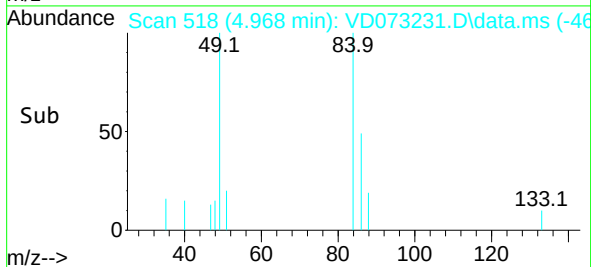
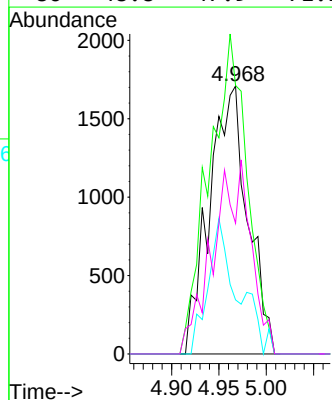
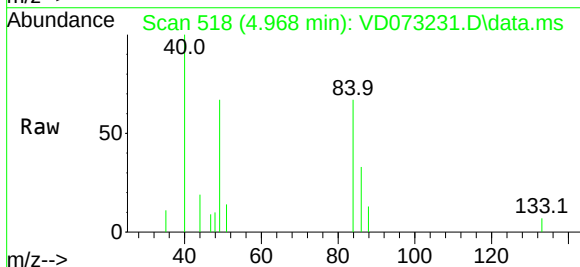
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0612-01

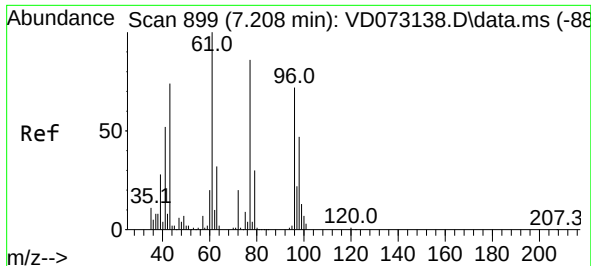
Tgt Ion: 43 Resp: 7041
Ion Ratio Lower Upper
43 100
58 29.9 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 84 Resp: 4838
Ion Ratio Lower Upper
84 100
49 100.2 112.8 169.2#
51 20.2 32.6 48.8#
86 48.8 47.9 71.9

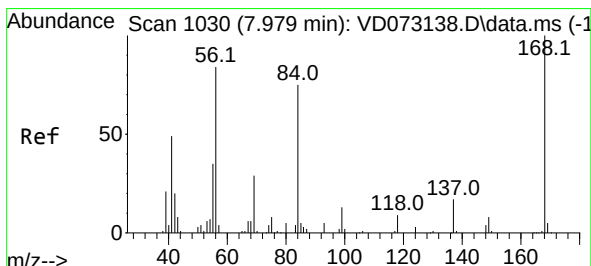
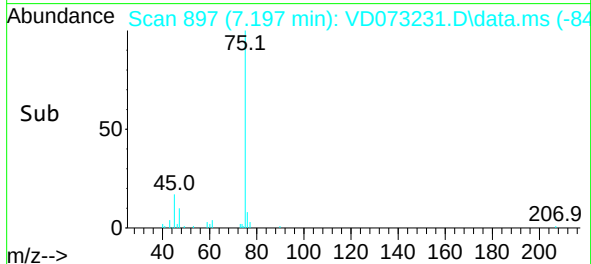
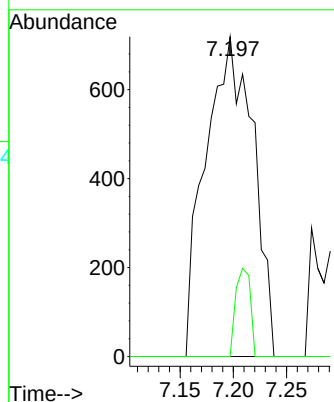
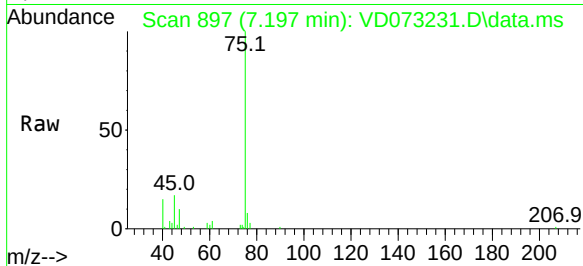




#25
2-Butanone
Concen: 2.584 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.011 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

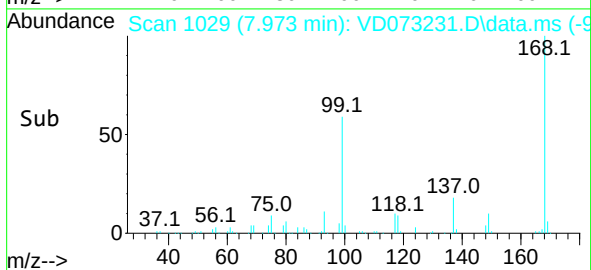
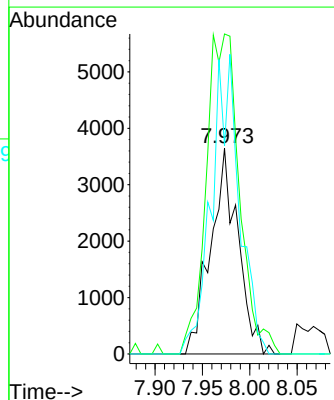
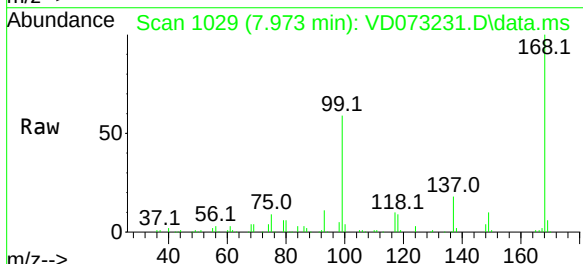
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0612-01

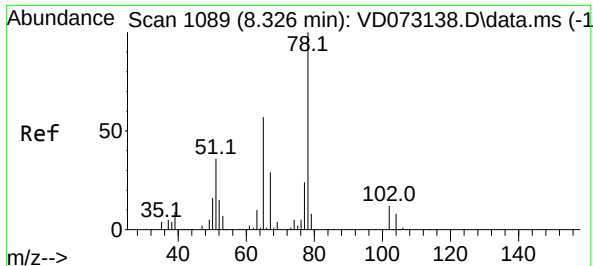
Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 56 Resp: 7348
Ion Ratio Lower Upper
56 100
69 155.6 25.4 38.2#
84 101.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.340 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073231.D

Acq: 21 May 2022 15:55

Instrument :

MSVOA_D

ClientSampleId :

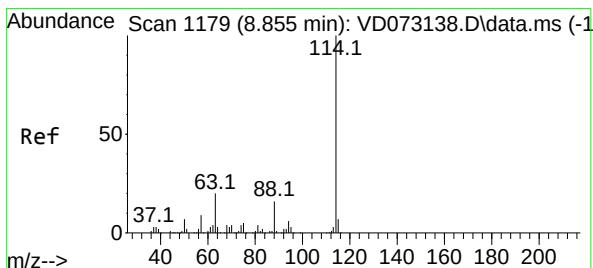
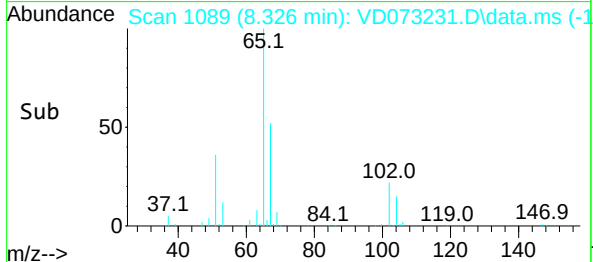
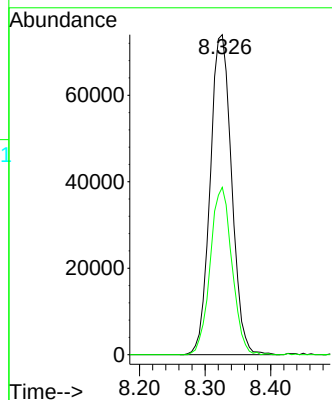
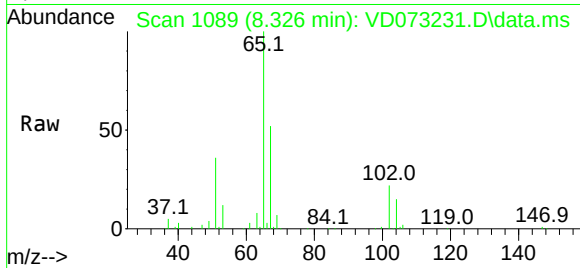
P033-SS001-0612-01

Tgt Ion: 65 Resp: 168159

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073231.D

Acq: 21 May 2022 15:55

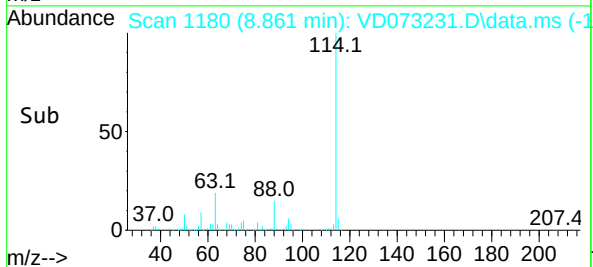
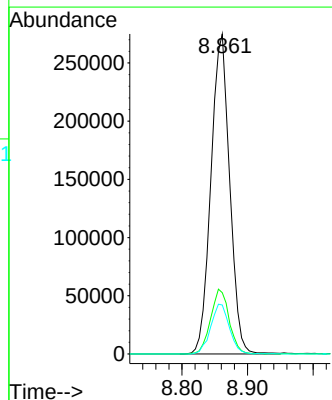
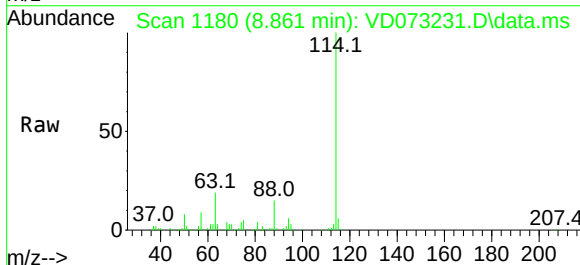
Tgt Ion: 114 Resp: 544674

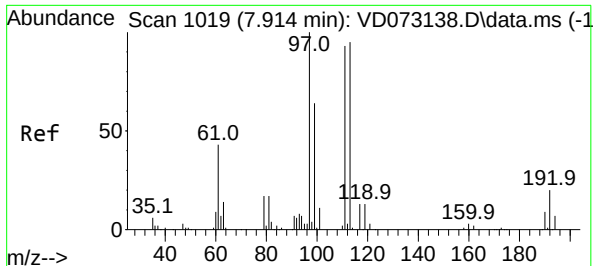
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.184 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073231.D

Acq: 21 May 2022 15:55

Instrument :

MSVOA_D

ClientSampleId :

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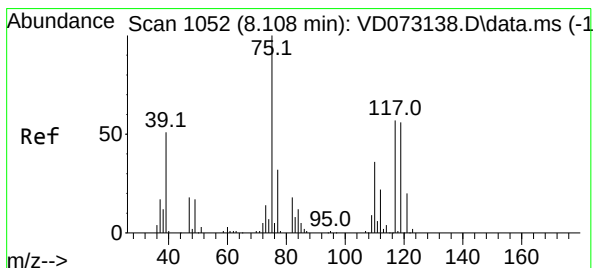
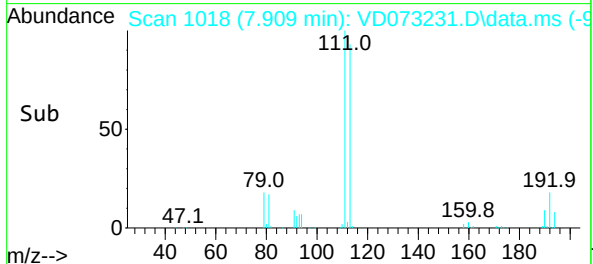
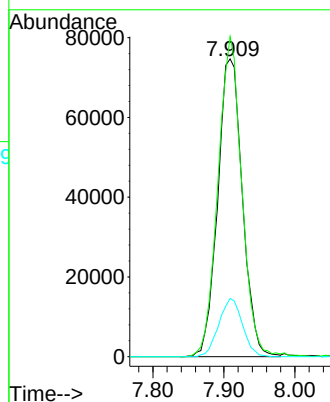
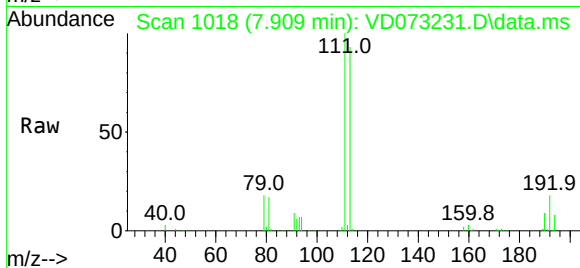
Tgt Ion:113 Resp: 180369

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.913 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073231.D

Acq: 21 May 2022 15:55

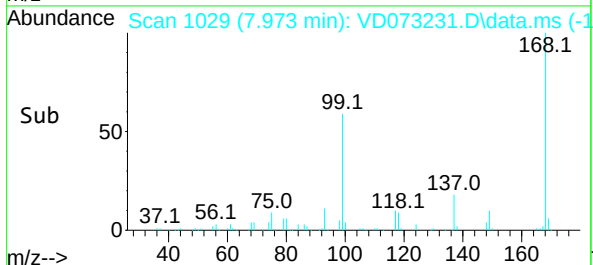
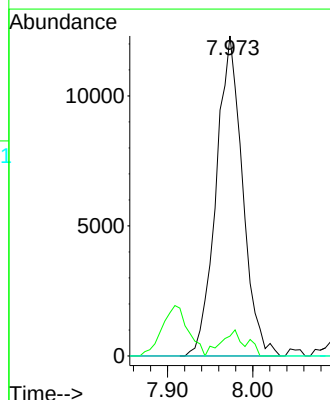
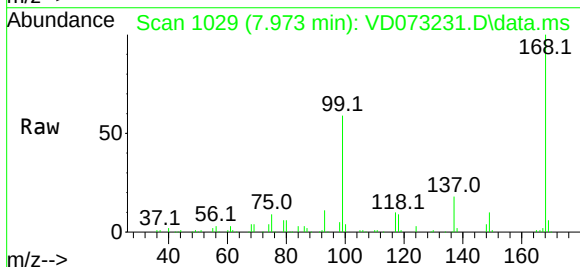
Tgt Ion: 75 Resp: 26555

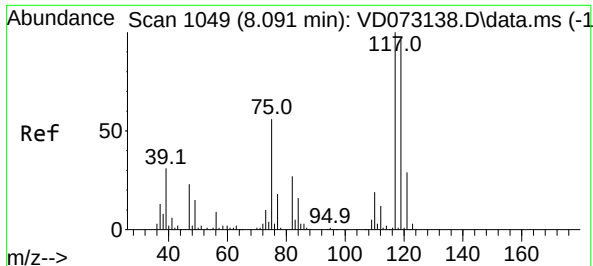
Ion Ratio Lower Upper

75 100

110 7.5 16.4 49.1#

77 0.0 24.2 36.2#

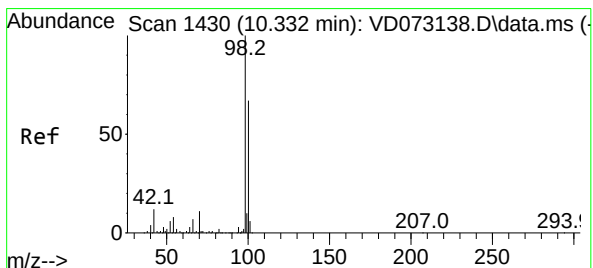
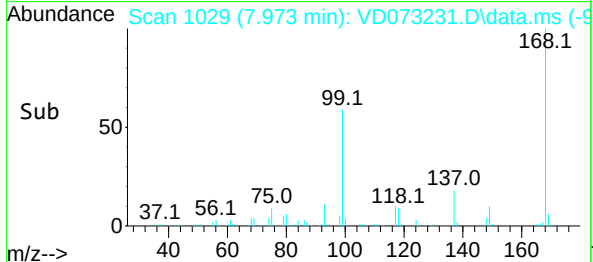
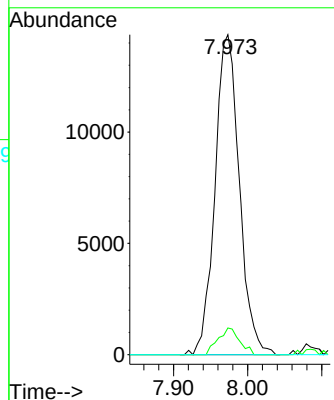
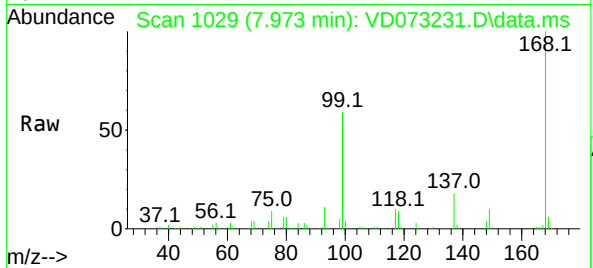




#38
Carbon Tetrachloride
Concen: 5.981 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

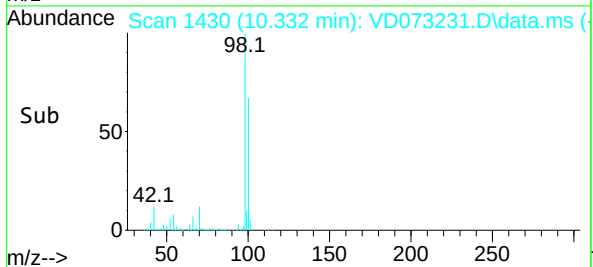
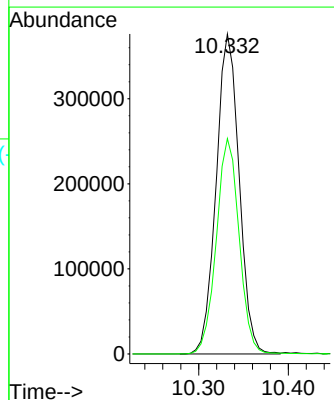
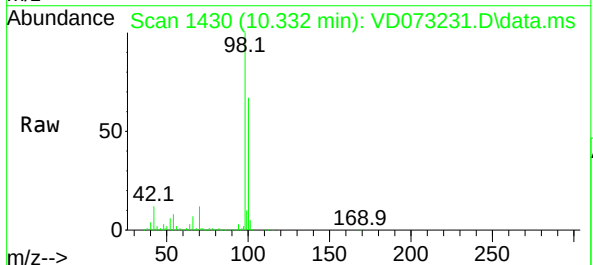
Instrument :
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P033-SS001-0612-01

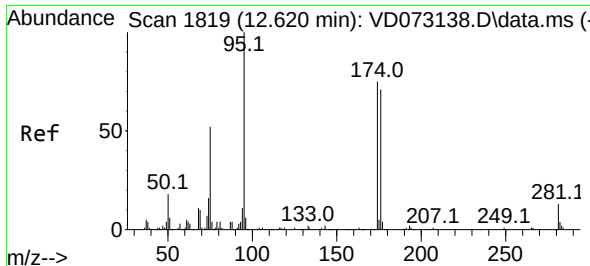
Tgt Ion:117 Resp: 32773
Ion Ratio Lower Upper
117 100
119 8.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.498 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 98 Resp: 669035
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6

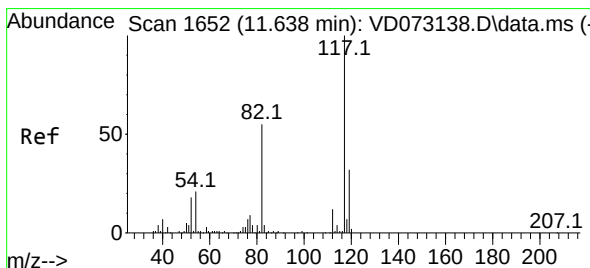
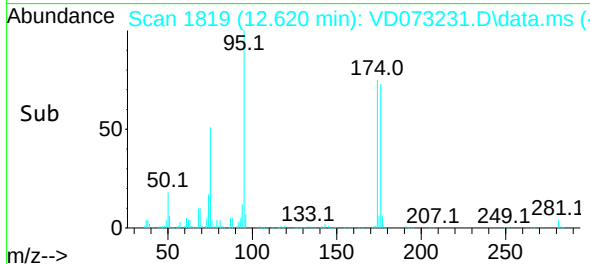
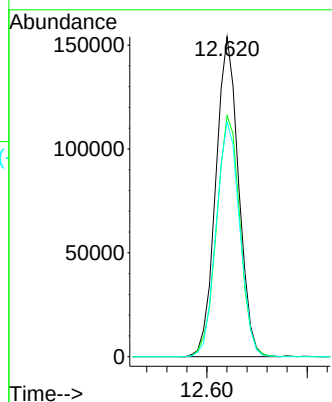
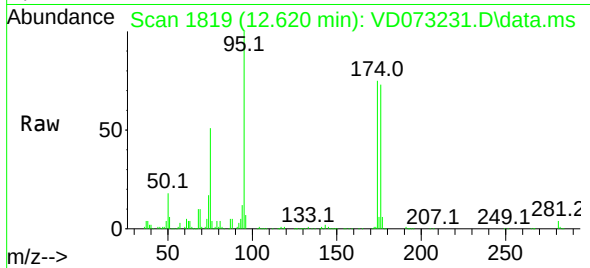




#62
4-Bromofluorobenzene
Concen: 52.303 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

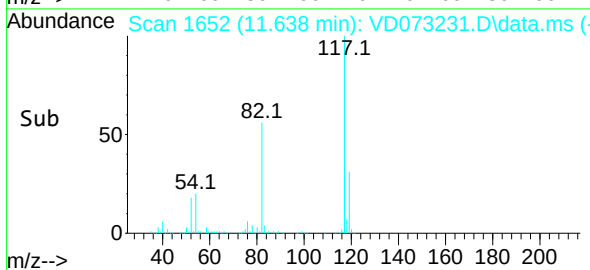
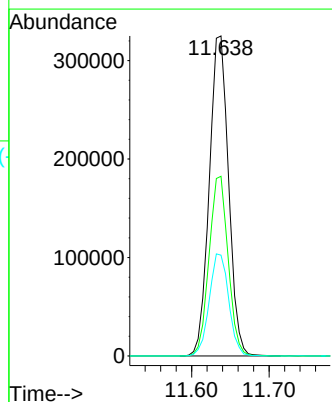
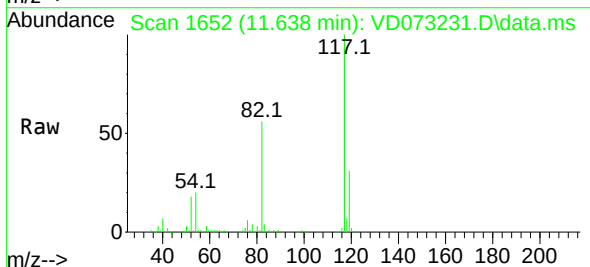
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0612-01

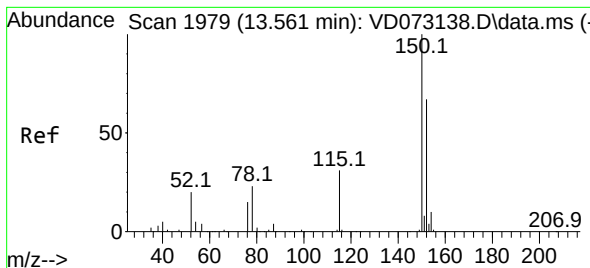
Tgt Ion: 95 Resp: 243188
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 75.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 117 Resp: 561356
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 31.5 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: VD073231.D

Acq: 21 May 2022 15:55

Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-0612-01

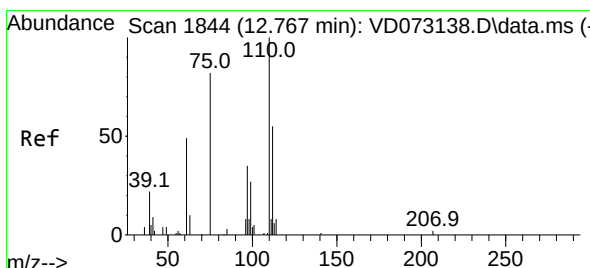
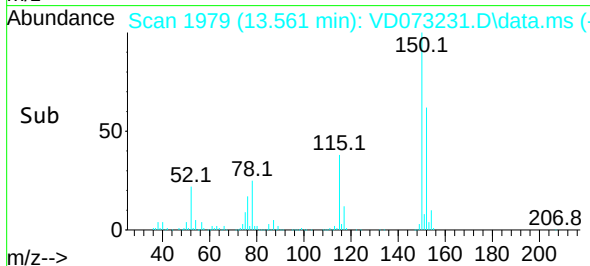
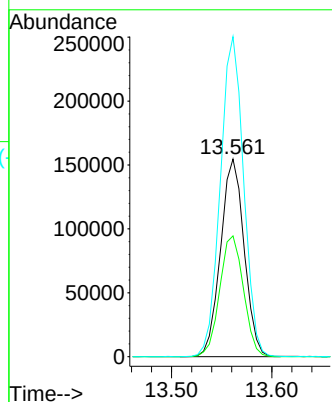
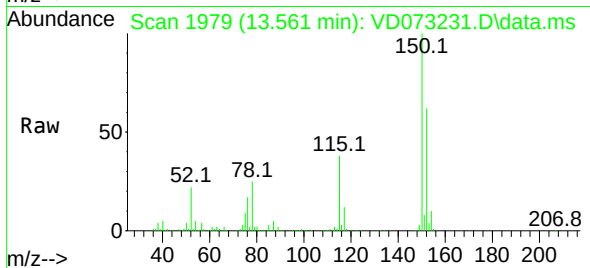
Tgt Ion:152 Resp: 252038

Ion Ratio Lower Upper

152 100

115 61.6 31.3 93.8

150 160.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.053 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073231.D

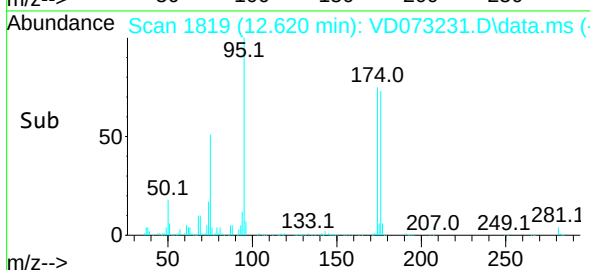
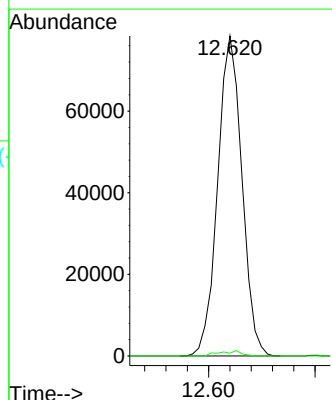
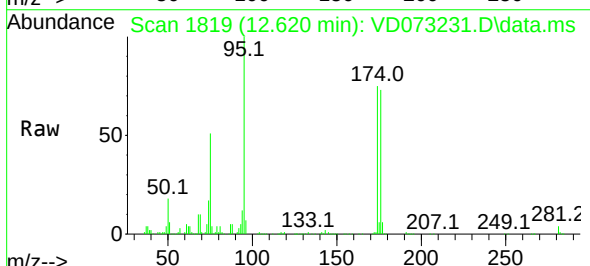
Acq: 21 May 2022 15:55

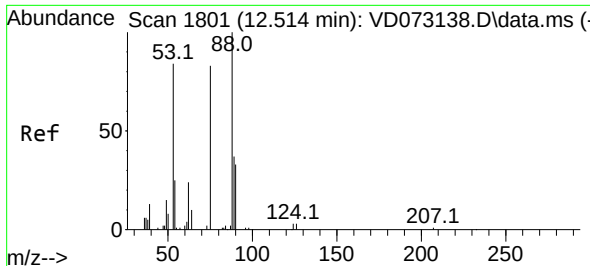
Tgt Ion: 75 Resp: 123778

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

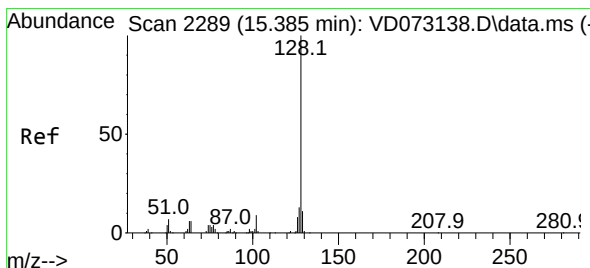
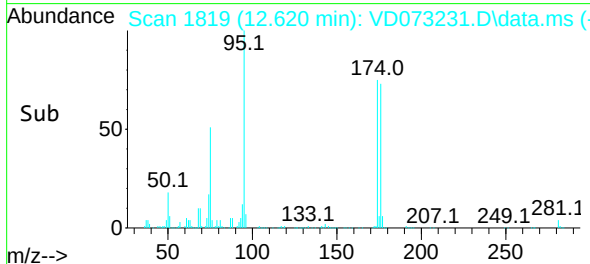
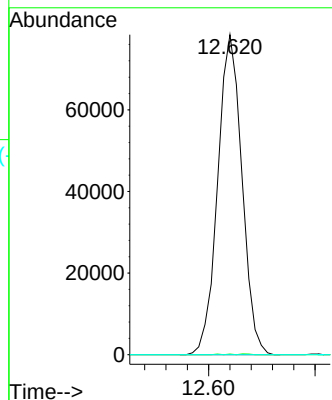
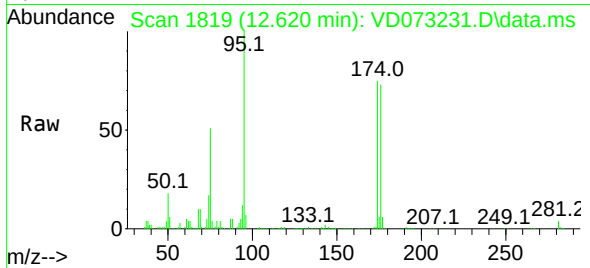




#81
trans-1,4-Dichloro-2-butene
Concen: 120.162 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0612-01

Tgt Ion: 75 Resp: 123778
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.598 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073231.D
Acq: 21 May 2022 15:55

Tgt Ion: 128 Resp: 504
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

