

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073456.D
 Acq On : 01 Jun 2022 19:12
 Operator : VA/SY
 Sample : N3108-02
 Misc : 5.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NP-2

Quant Time: Jun 02 08:53:08 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)

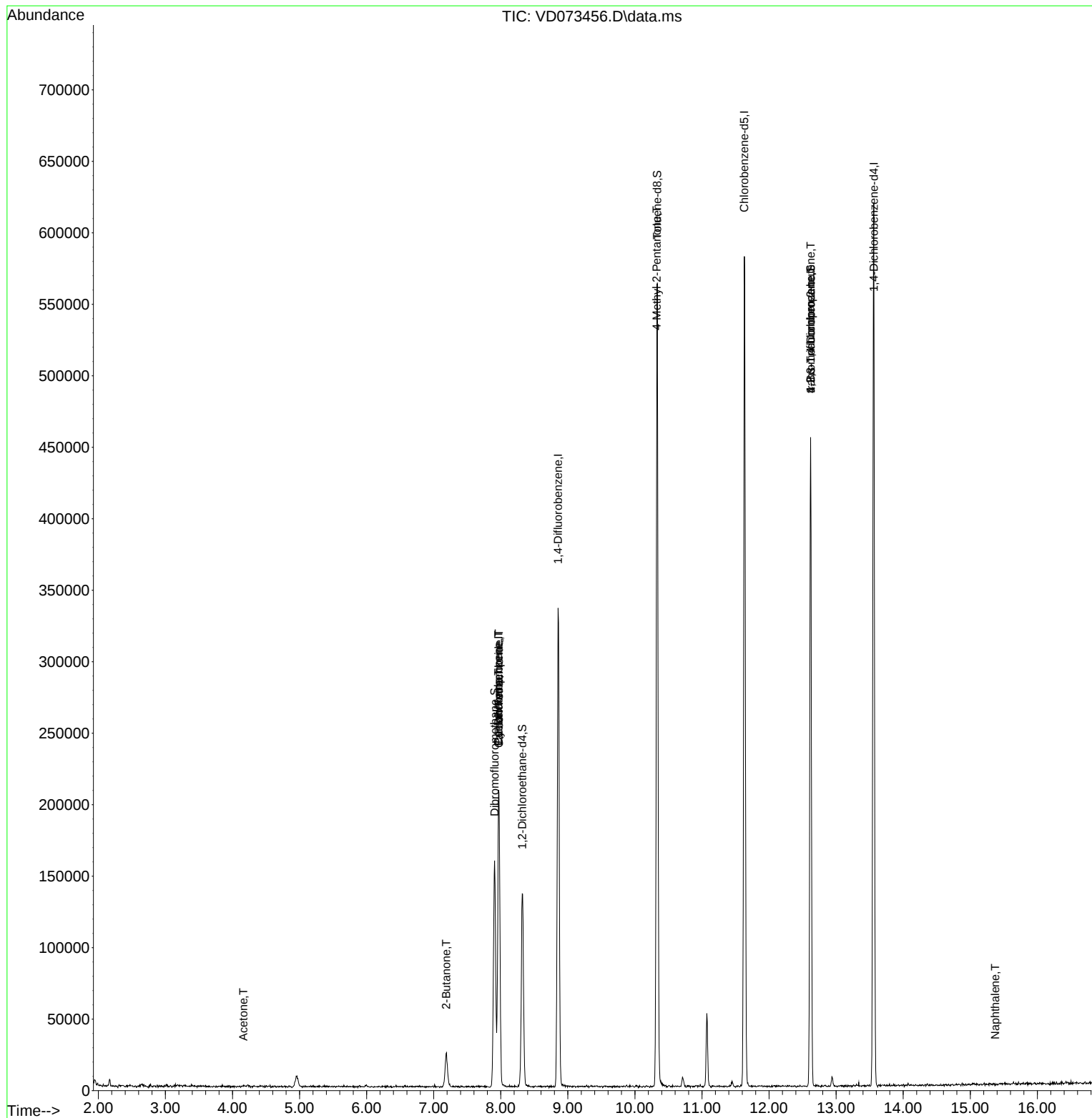
Internal Standards						
1) Pentafluorobenzene	7.967	168	153617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	291552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	344600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	168376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	110744	65.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.460%	
35) Dibromofluoromethane	7.908	113	111057	57.726	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.460%	
50) Toluene-d8	10.332	98	374138	52.756	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.520%	
62) 4-Bromofluorobenzene	12.620	95	153537	61.691	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 123.380%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	408	Below Cal	#	49
16) Acetone	4.162	43	806	2.741	ug/l #	82
20) Methylene Chloride	4.962	84	5969	Below Cal	#	69
25) 2-Butanone	7.185	43	1159	2.694	ug/l #	52
31) Cyclohexane	7.967	56	3982	1.342	ug/l #	2
36) 1,1-Dichloropropene	7.967	75	13244	4.577	ug/l #	51
38) Carbon Tetrachloride	7.973	117	15185	5.177	ug/l #	17
51) 4-Methyl-2-Pentanone	10.326	43	1815	1.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	76792	46.483	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	76792	111.590	ug/l #	7
95) Naphthalene	15.373	128	53	3.550	ug/l #	70

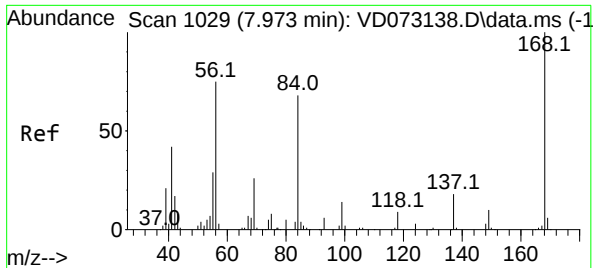
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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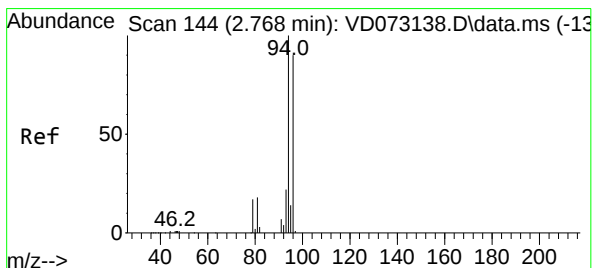
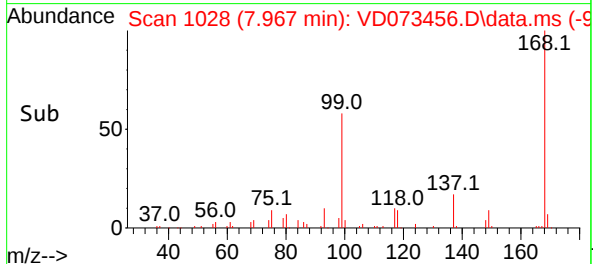
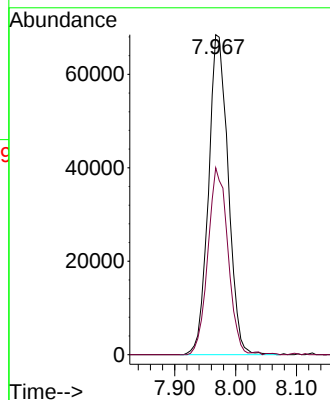
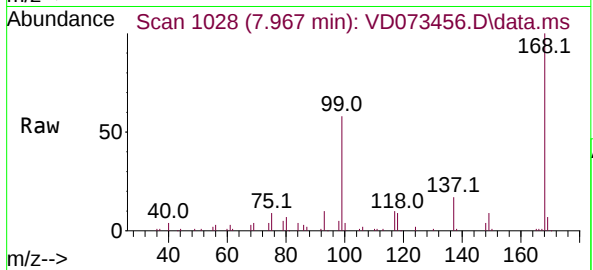




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

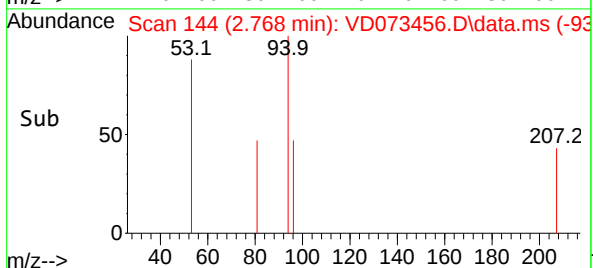
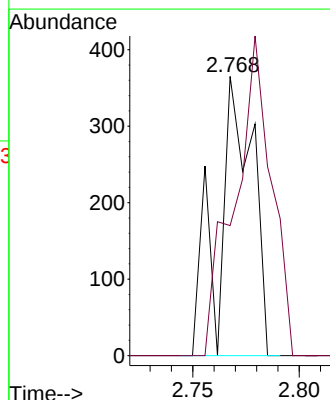
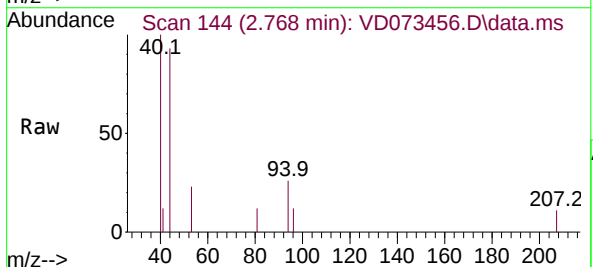
Instrument :
MSVOA_D
ClientSampleId :
NP-2

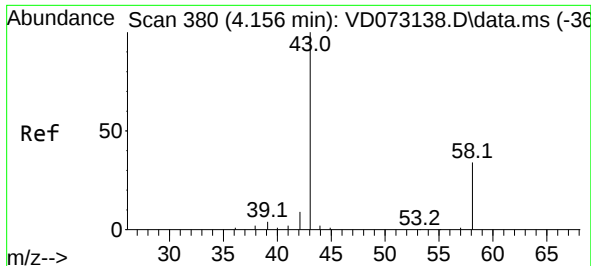
Tgt Ion:168 Resp: 153617
Ion Ratio Lower Upper
168 100
99 58.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

Tgt Ion: 94 Resp: 408
Ion Ratio Lower Upper
94 100
96 46.6 77.6 116.4#





#16

Acetone

Concen: 2.741 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073456.D

Acq: 01 Jun 2022 19:12

Instrument :

MSVOA_D

ClientSampleId :

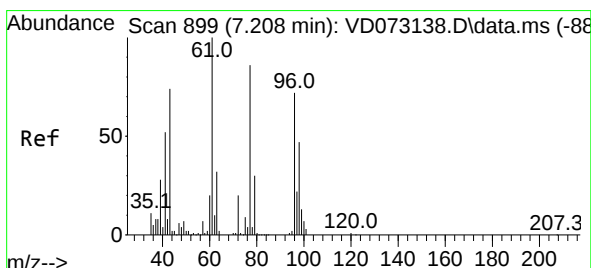
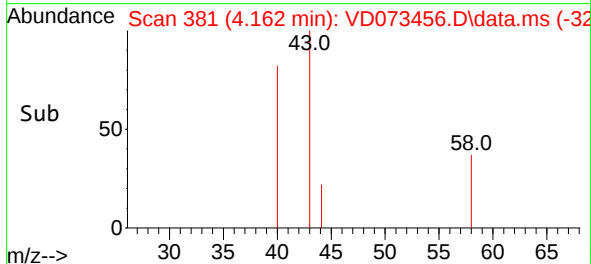
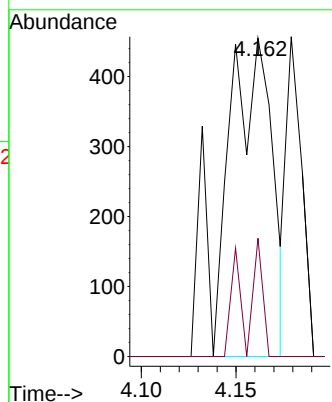
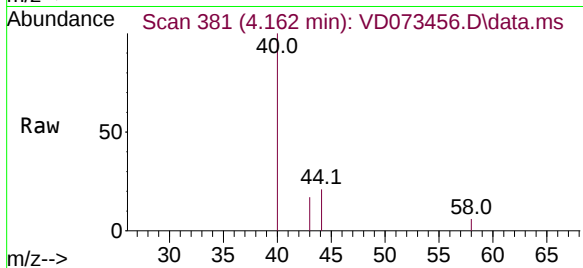
NP-2

Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

58 37.1 22.1 33.1#



#25

2-Butanone

Concen: 2.694 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.023 min

Lab File: VD073456.D

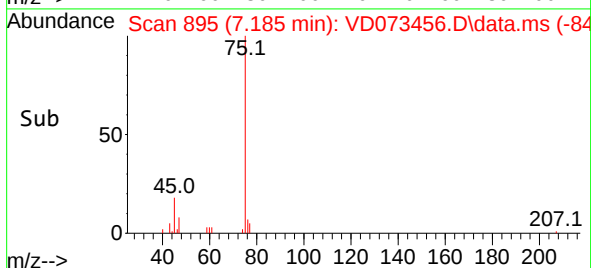
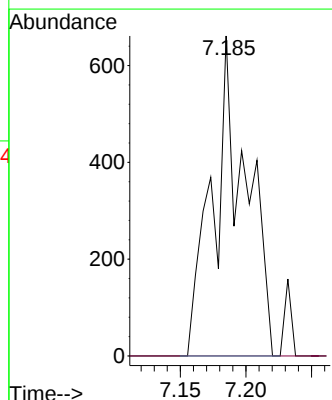
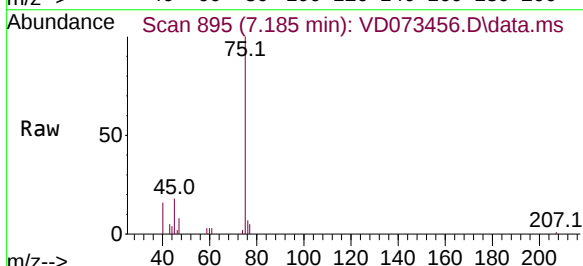
Acq: 01 Jun 2022 19:12

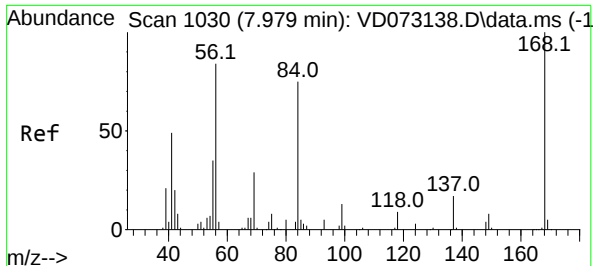
Tgt Ion: 43 Resp: 1159

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073456.D

Acq: 01 Jun 2022 19:12

Instrument :

MSVOA_D

ClientSampleId :

NP-2

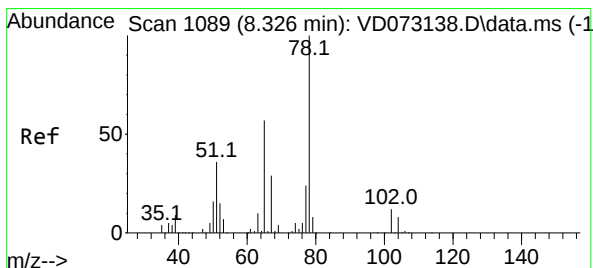
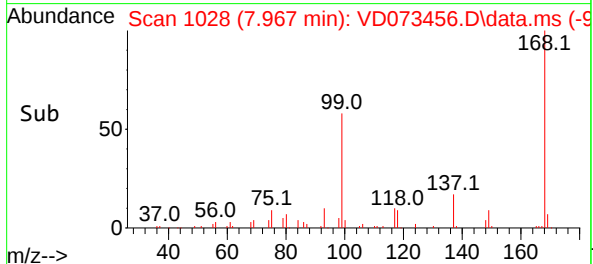
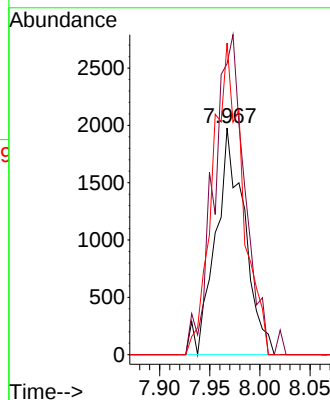
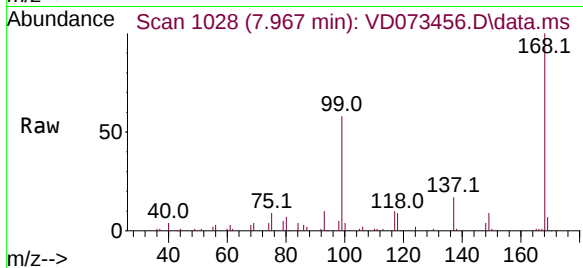
Tgt Ion: 56 Resp: 3982

Ion Ratio Lower Upper

56 100

69 128.4 25.4 38.2#

84 137.5 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 65.232 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073456.D

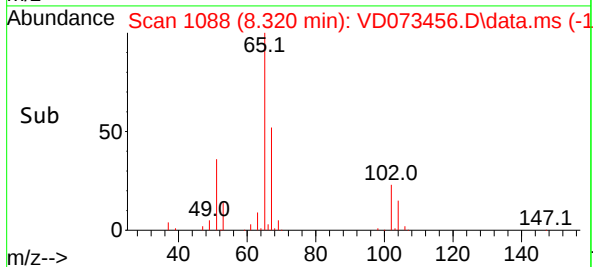
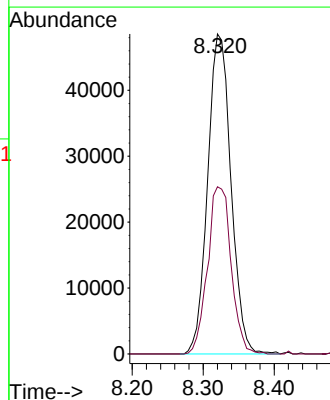
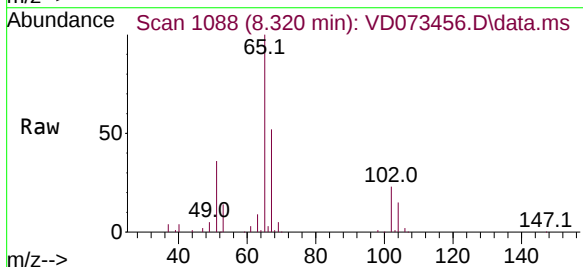
Acq: 01 Jun 2022 19:12

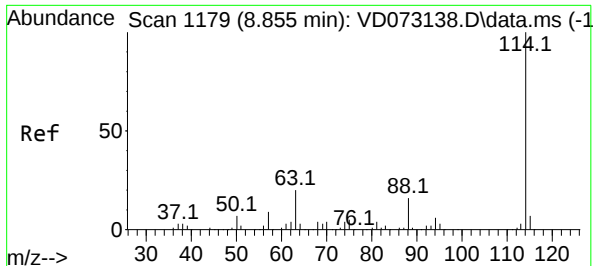
Tgt Ion: 65 Resp: 110744

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073456.D

Acq: 01 Jun 2022 19:12

Instrument :

MSVOA_D

ClientSampleId :

NP-2

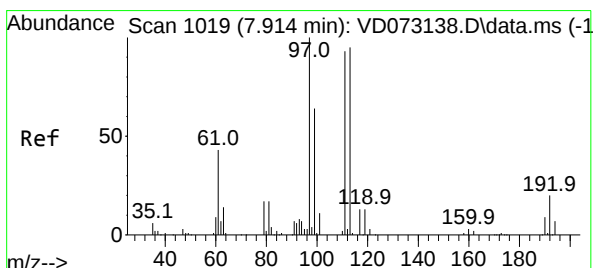
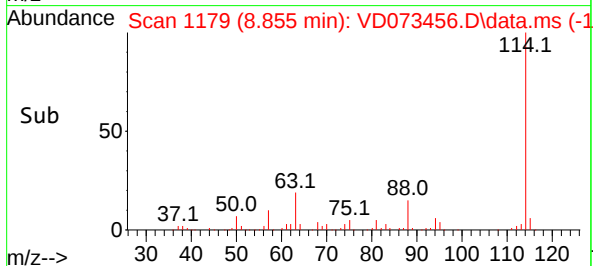
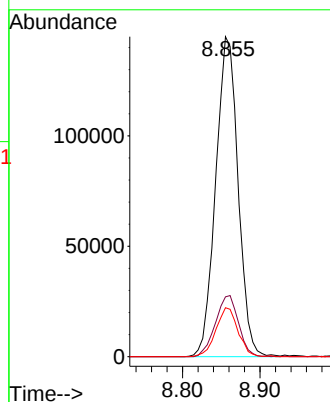
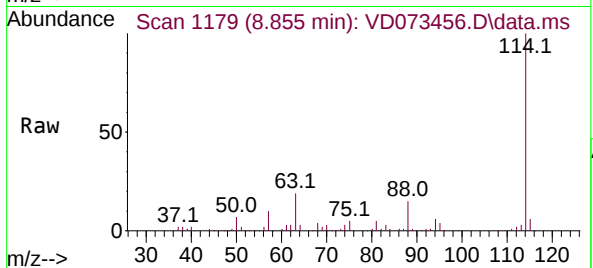
Tgt Ion:114 Resp: 291552

Ion Ratio Lower Upper

114 100

63 18.7 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 57.726 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073456.D

Acq: 01 Jun 2022 19:12

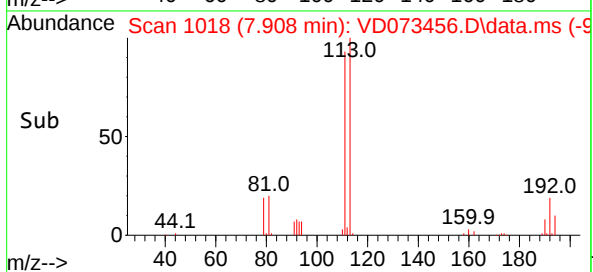
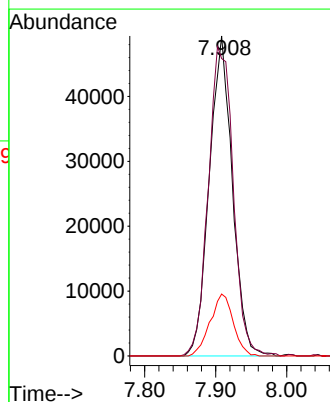
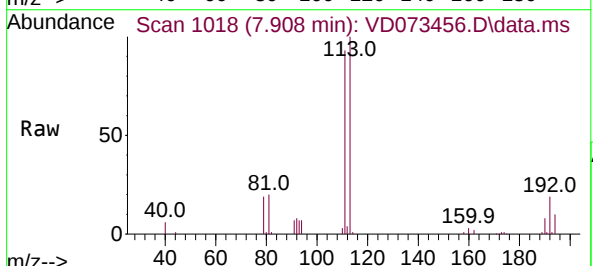
Tgt Ion:113 Resp: 111057

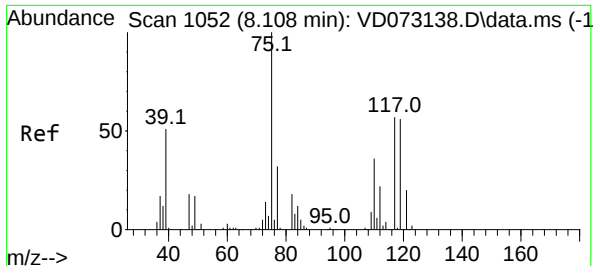
Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.6

192 19.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.577 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073456.D

Acq: 01 Jun 2022 19:12

Instrument :

MSVOA_D

ClientSampleId :

NP-2

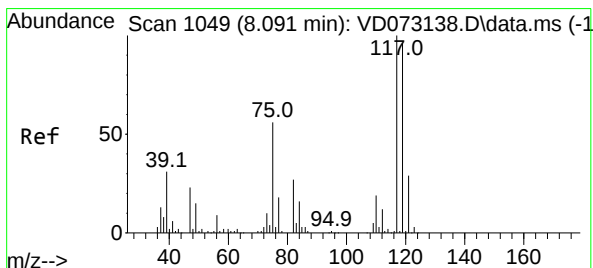
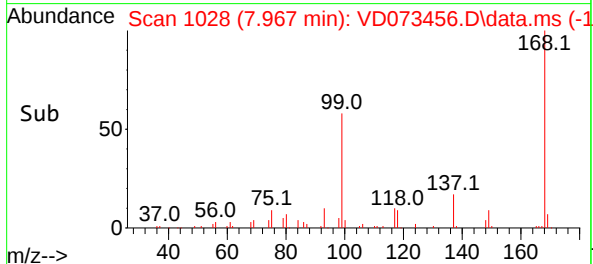
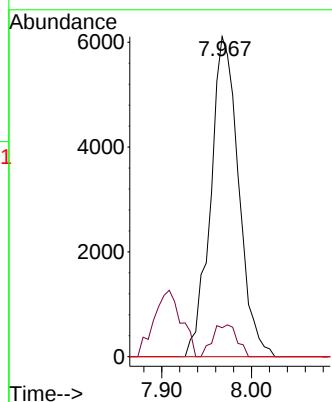
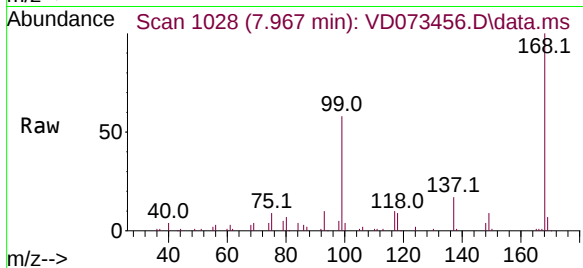
Tgt Ion: 75 Resp: 13244

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.177 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073456.D

Acq: 01 Jun 2022 19:12

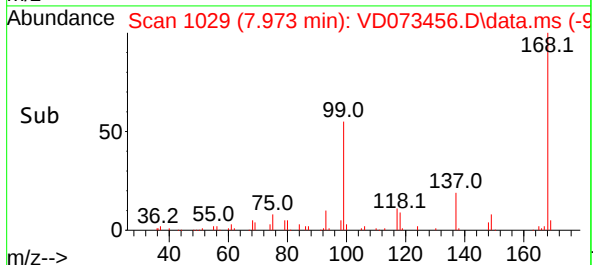
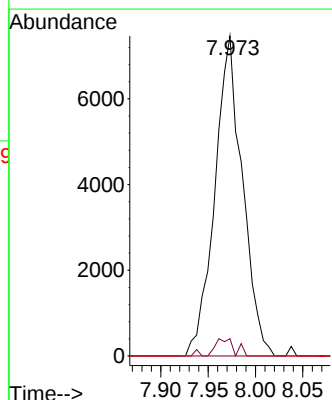
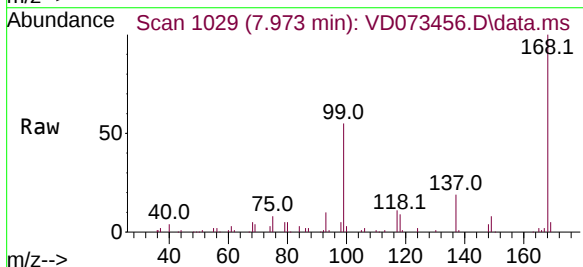
Tgt Ion: 117 Resp: 15185

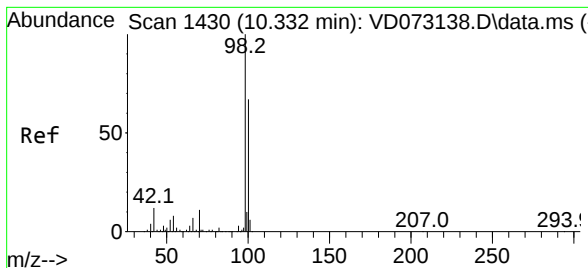
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

121 0.0 24.5 36.7#

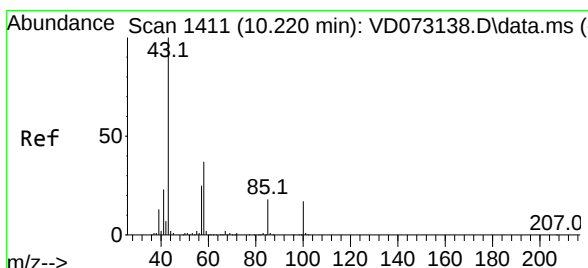
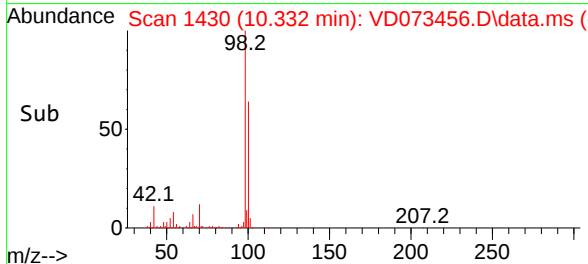
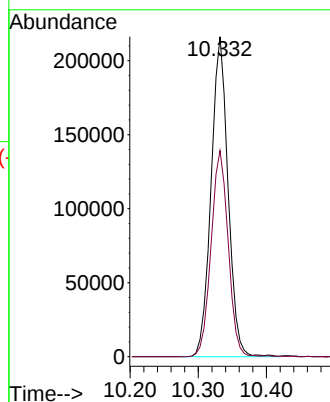
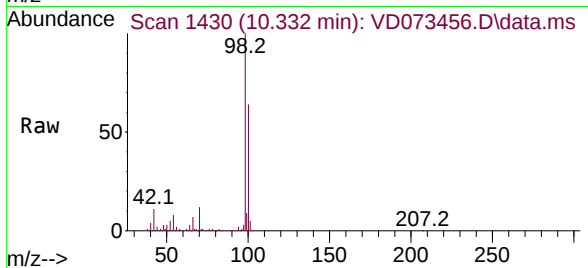




#50
Toluene-d8
Concen: 52.756 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

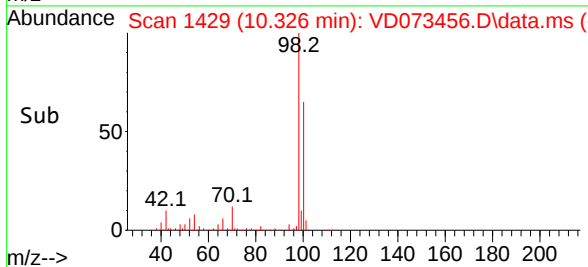
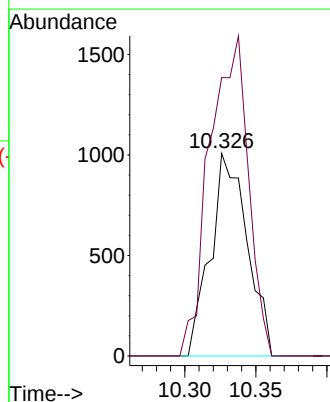
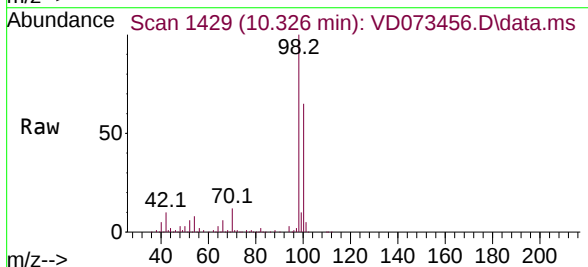
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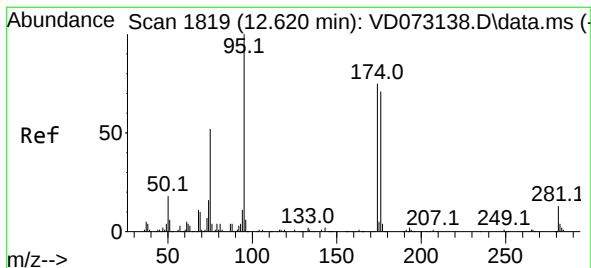
Tgt Ion: 98 Resp: 374138
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.654 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 166.0 28.6 43.0#

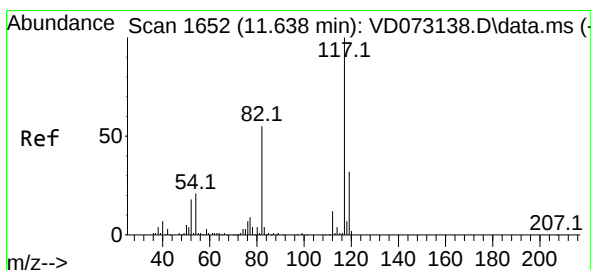
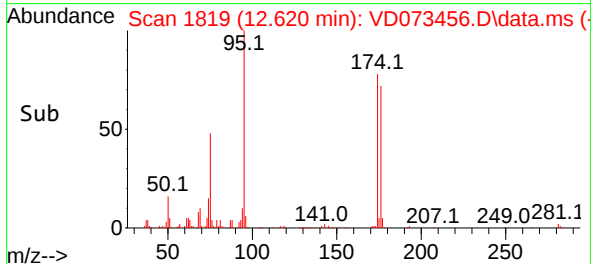
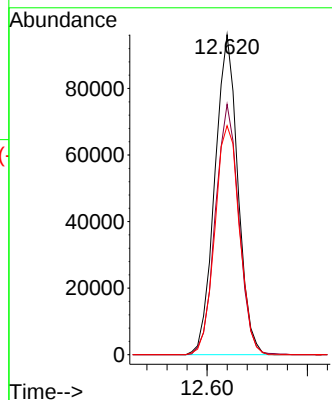
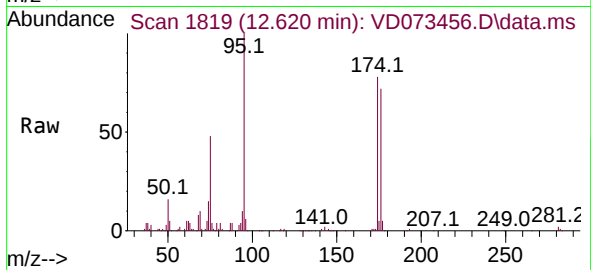




#62
4-Bromofluorobenzene
Concen: 61.691 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

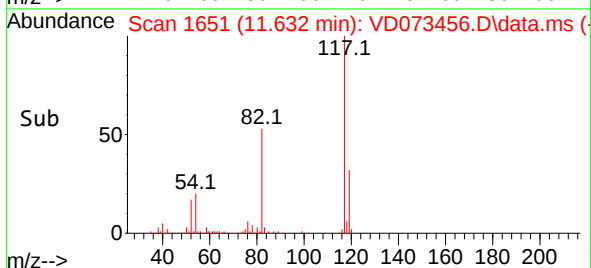
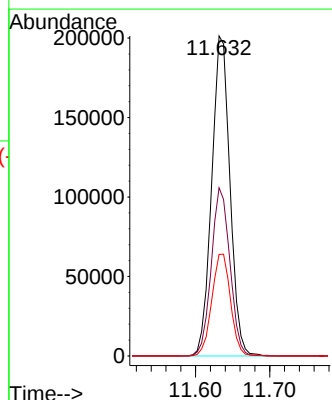
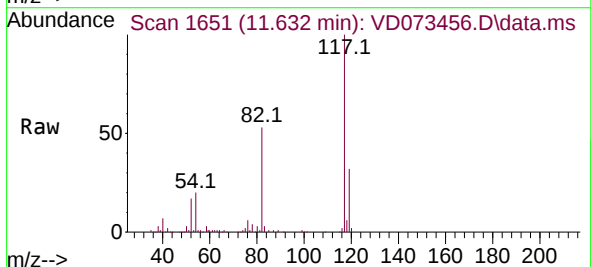
Instrument :
MSVOA_D
ClientSampleId :
NP-2

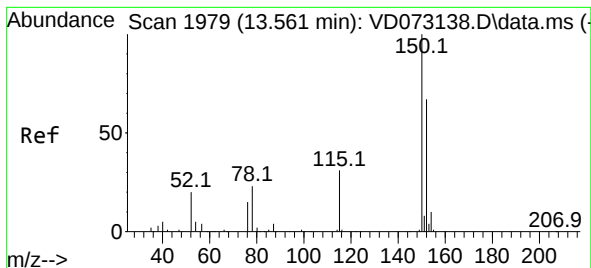
Tgt Ion: 95 Resp: 153537
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 76.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

Tgt Ion: 117 Resp: 344600
Ion Ratio Lower Upper
117 100
82 52.6 45.3 67.9
119 31.7 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: VD073456.D

Acq: 01 Jun 2022 19:12

Instrument :

MSVOA_D

ClientSampleId :

NP-2

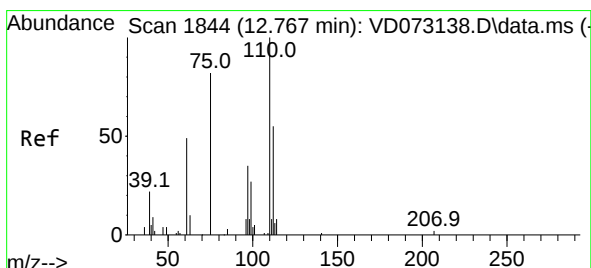
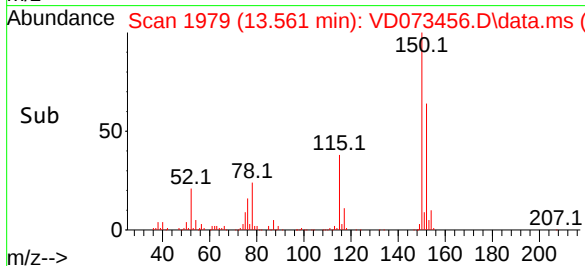
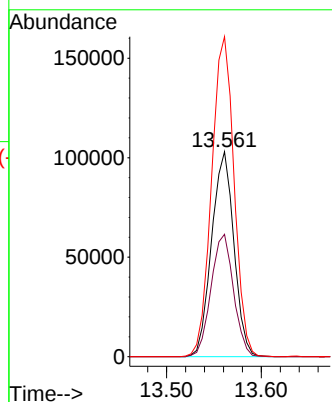
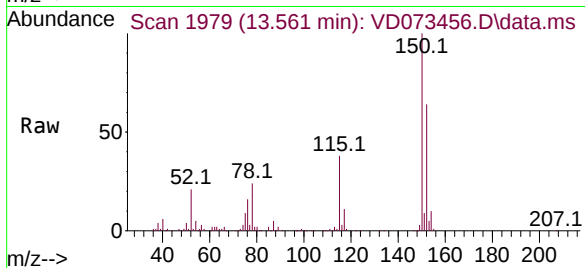
Tgt Ion:152 Resp: 168376

Ion Ratio Lower Upper

152 100

115 60.2 31.3 93.8

150 157.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 46.483 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073456.D

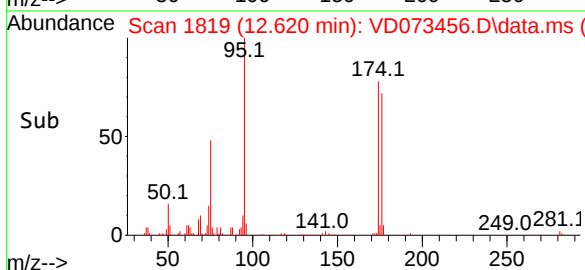
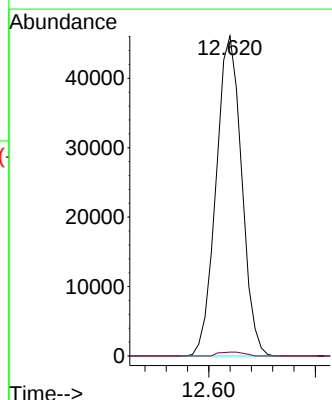
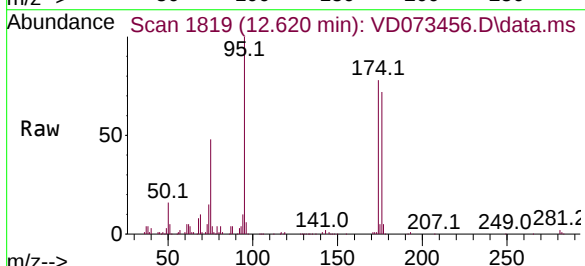
Acq: 01 Jun 2022 19:12

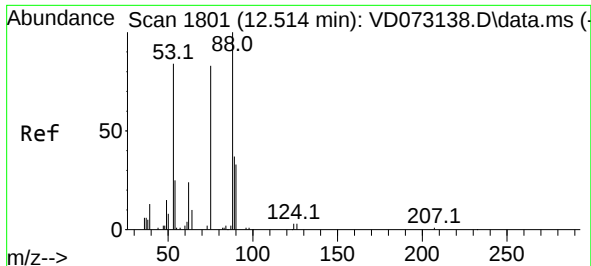
Tgt Ion: 75 Resp: 76792

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

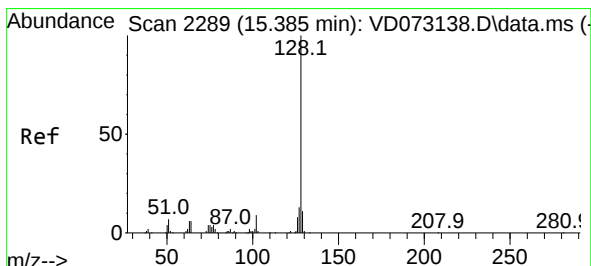
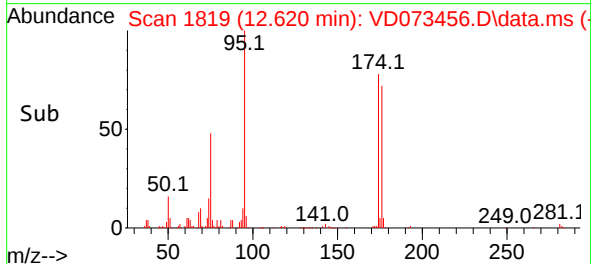
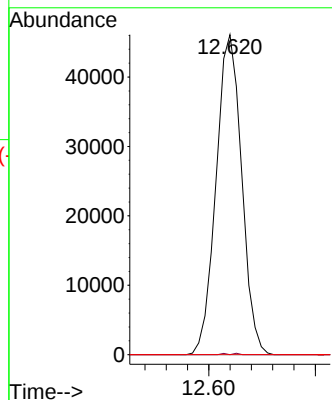
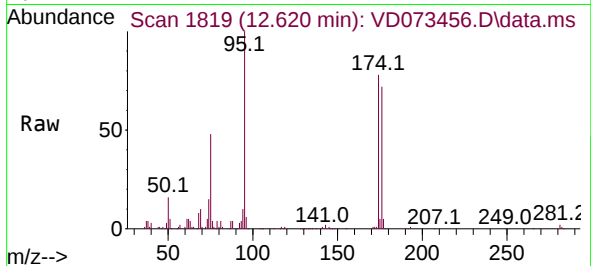




#81
trans-1,4-Dichloro-2-butene
Concen: 111.590 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

Instrument :
MSVOA_D
ClientSampleId :
NP-2

Tgt Ion: 75 Resp: 76792
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.550 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD073456.D
Acq: 01 Jun 2022 19:12

Tgt Ion: 128 Resp: 53
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

