

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073451.D
 Acq On : 01 Jun 2022 16:46
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 02 08:51:27 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	277615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	512879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	577499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	284241	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	149686	48.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.580%
35) Dibromofluoromethane	7.908	113	172326	50.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.840%
50) Toluene-d8	10.332	98	658037	52.747	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.500%
62) 4-Bromofluorobenzene	12.620	95	264232	60.353	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.700%

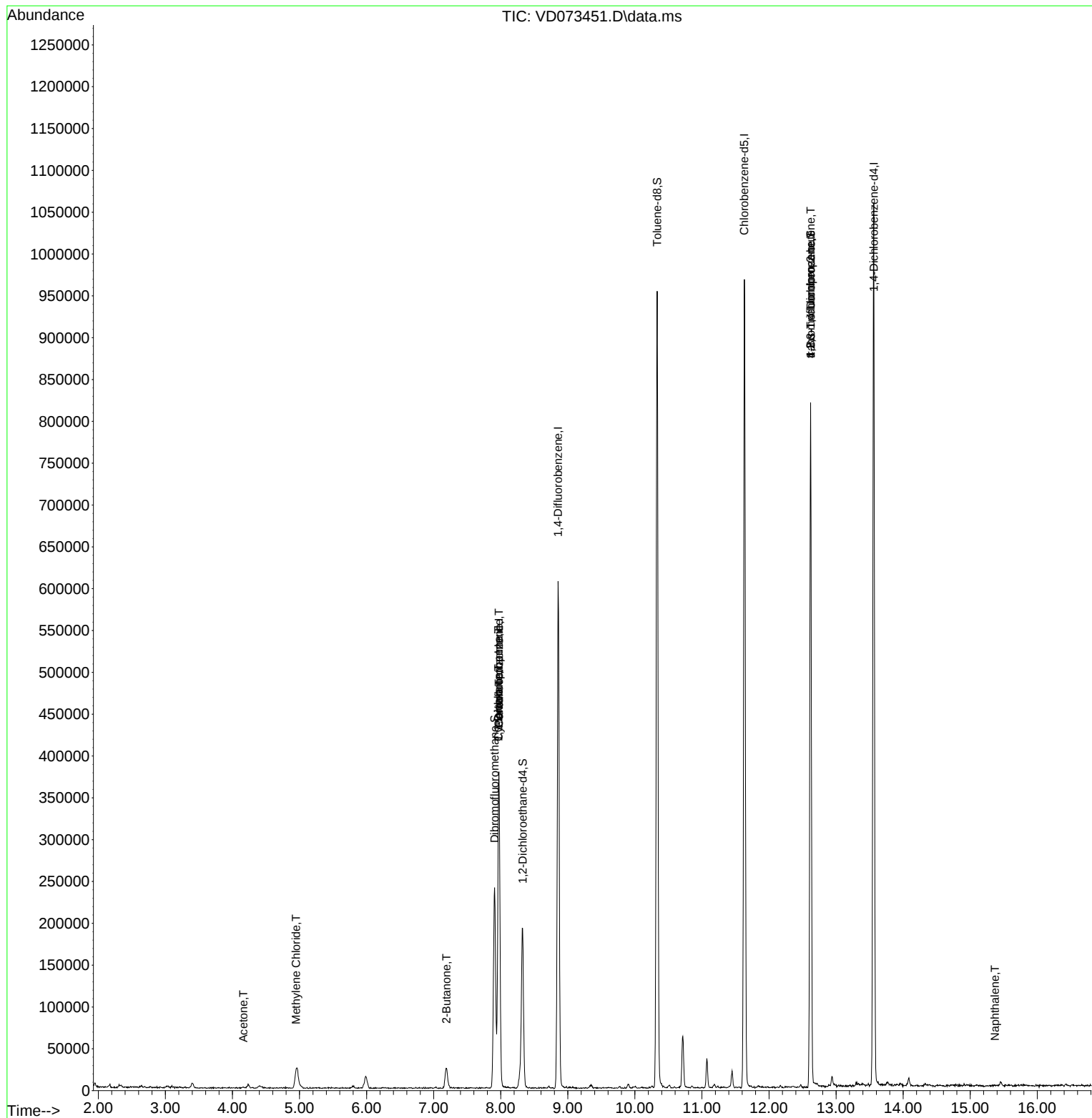
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	610	Below Cal	#	68
16) Acetone	4.162	43	1850	3.481	ug/l #	67
20) Methylene Chloride	4.950	84	19737	2.024	ug/l #	77
25) 2-Butanone	7.191	43	1037	1.334	ug/l #	52
31) Cyclohexane	7.967	56	6203	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	23164	4.551	ug/l #	52
38) Carbon Tetrachloride	7.973	117	28701	5.563	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	131901	47.295	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	131901	113.541	ug/l #	7
95) Naphthalene	15.367	128	728	3.614	ug/l #	70

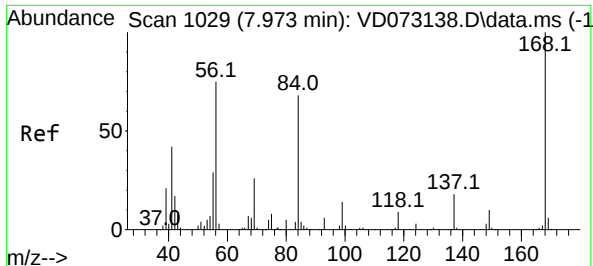
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

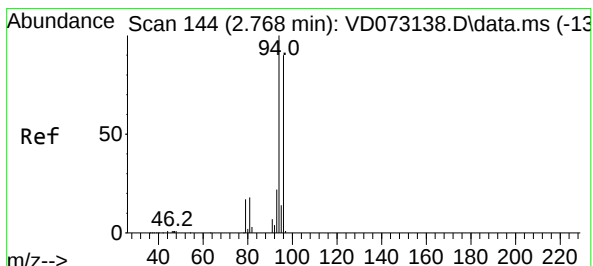
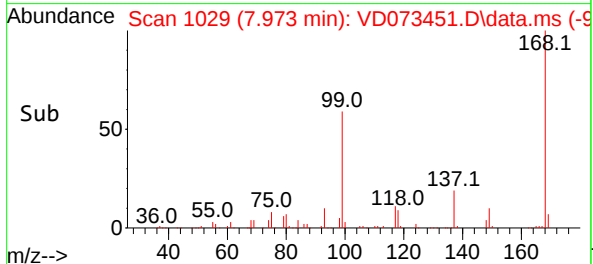
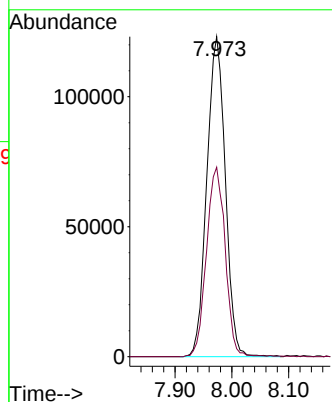
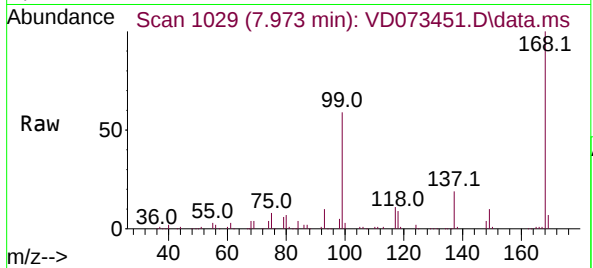




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

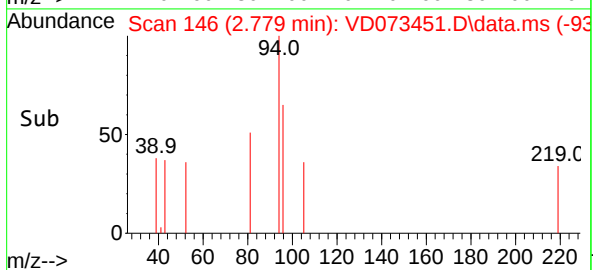
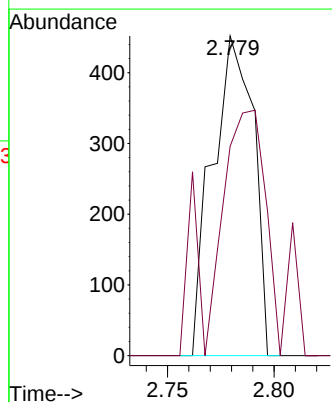
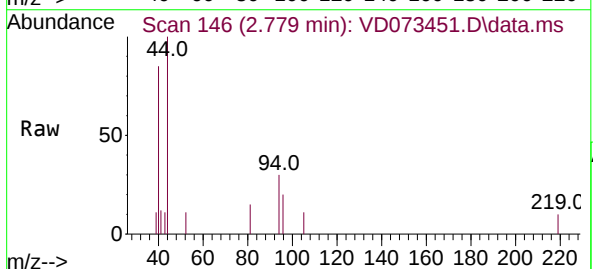
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

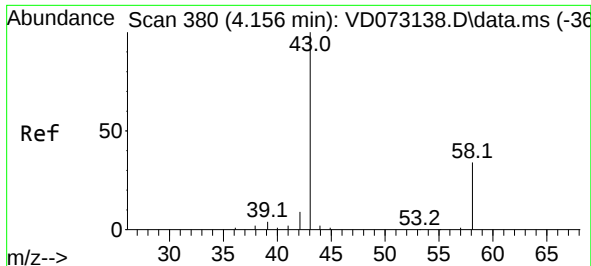
Tgt Ion:168 Resp: 277615
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Tgt Ion: 94 Resp: 610
Ion Ratio Lower Upper
94 100
96 65.5 77.6 116.4#

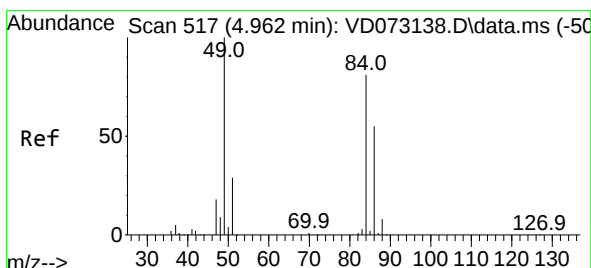
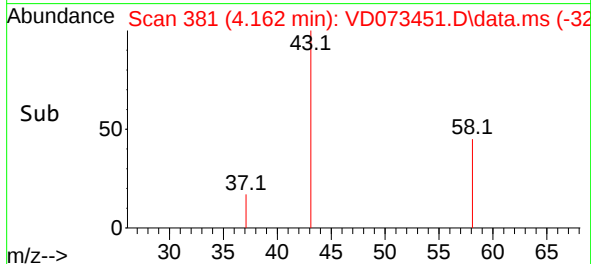
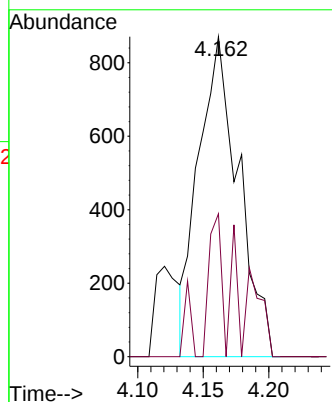
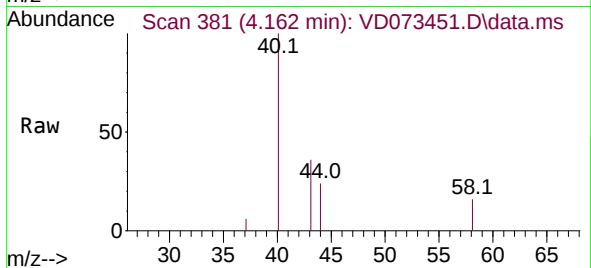




#16
Acetone
Concen: 3.481 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

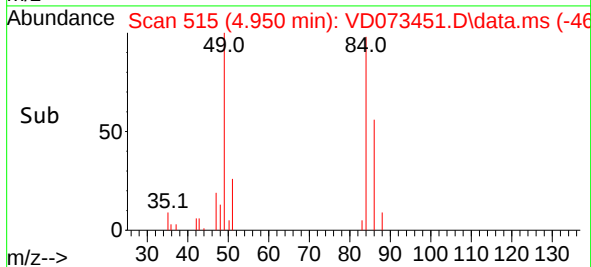
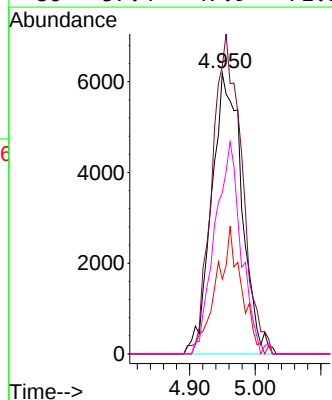
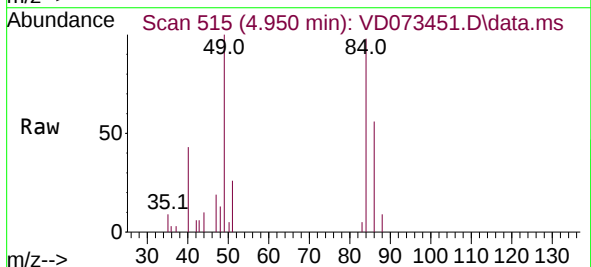
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

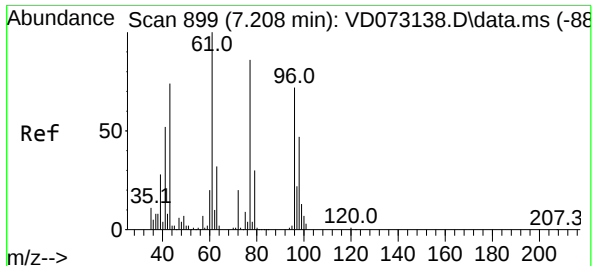
Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
58 44.7 22.1 33.1#



#20
Methylene Chloride
Concen: 2.024 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Tgt Ion: 84 Resp: 19737
Ion Ratio Lower Upper
84 100
49 102.5 112.8 169.2#
51 26.6 32.6 48.8#
86 57.4 47.9 71.9

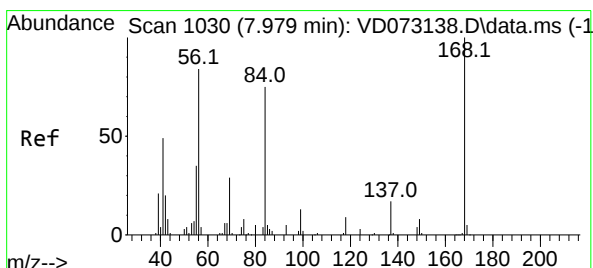
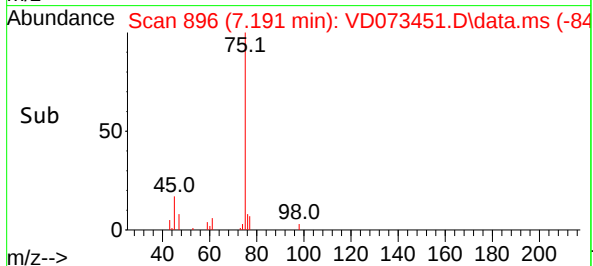
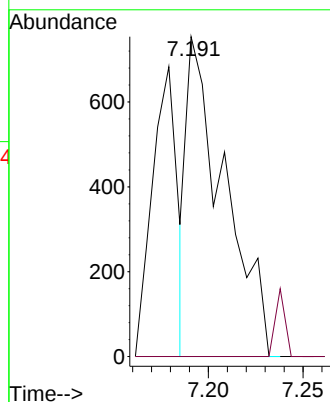
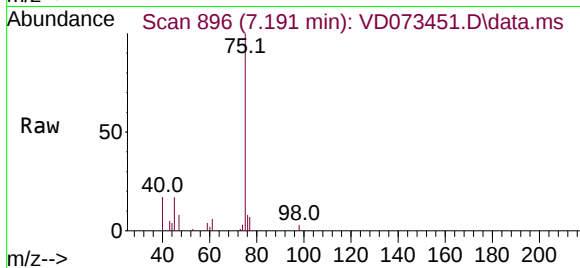




#25
2-Butanone
Concen: 1.334 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.017 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

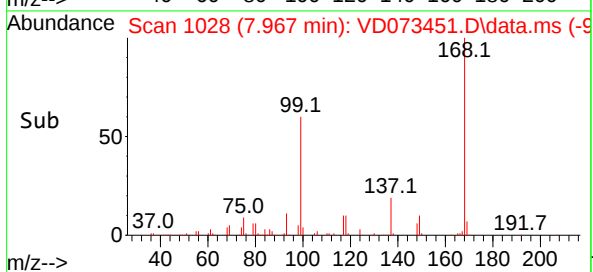
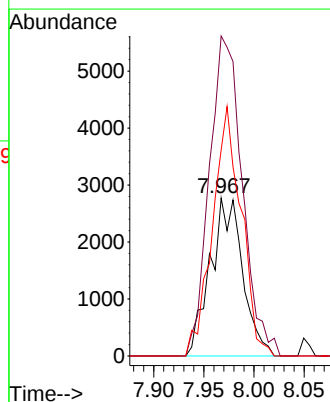
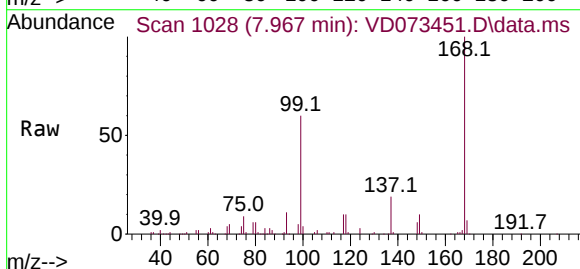
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

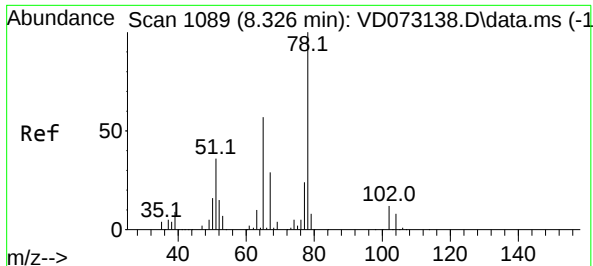
Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Tgt Ion: 56 Resp: 6203
Ion Ratio Lower Upper
56 100
69 202.6 25.4 38.2#
84 130.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.789 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073451.D

Acq: 01 Jun 2022 16:46

Instrument :

MSVOA_D

ClientSampleId :

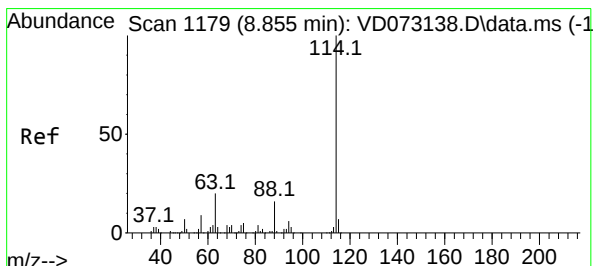
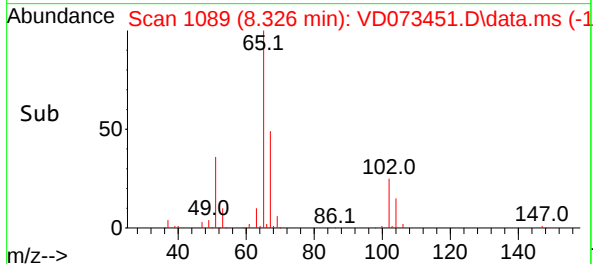
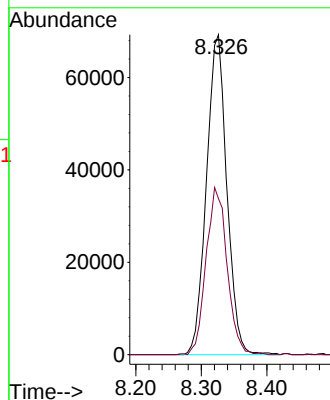
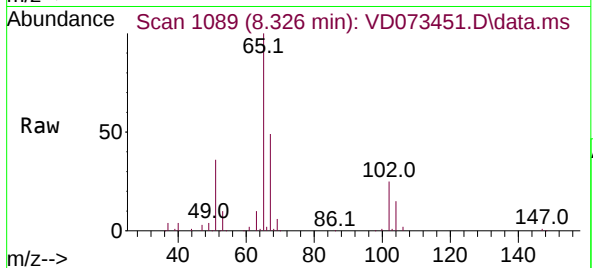
VIBLK

Tgt Ion: 65 Resp: 149686

Ion Ratio Lower Upper

65 100

67 53.9 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: VD073451.D

Acq: 01 Jun 2022 16:46

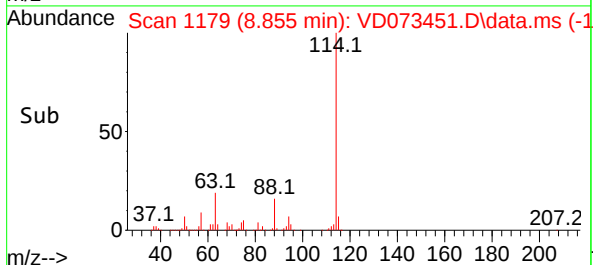
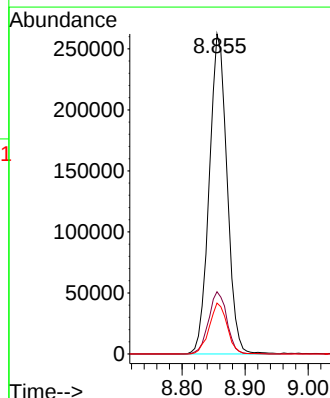
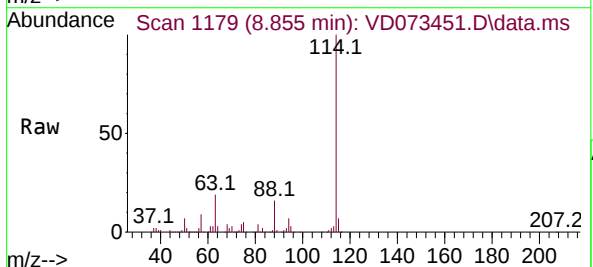
Tgt Ion: 114 Resp: 512879

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.919 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073451.D

Acq: 01 Jun 2022 16:46

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

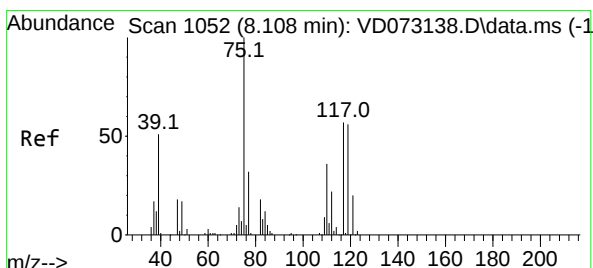
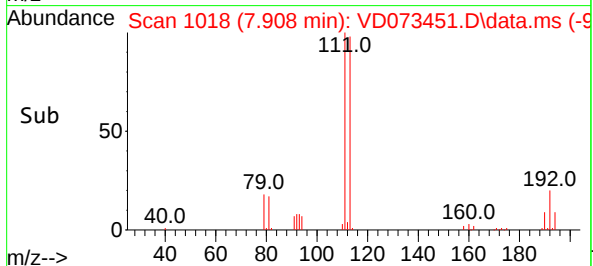
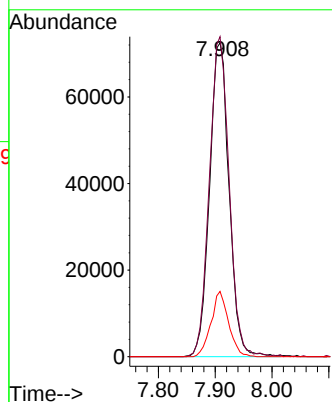
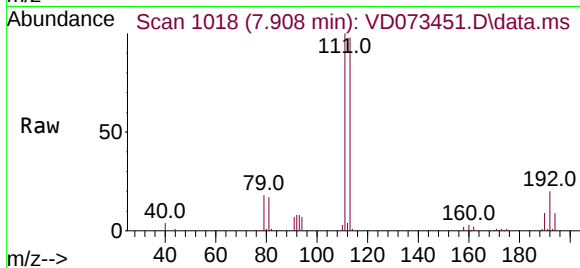
Tgt Ion:113 Resp: 172326

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073451.D

Acq: 01 Jun 2022 16:46

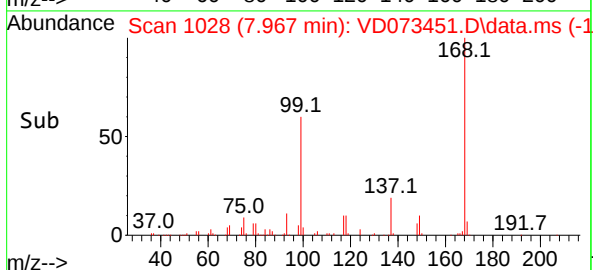
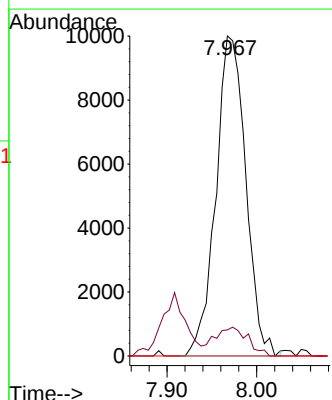
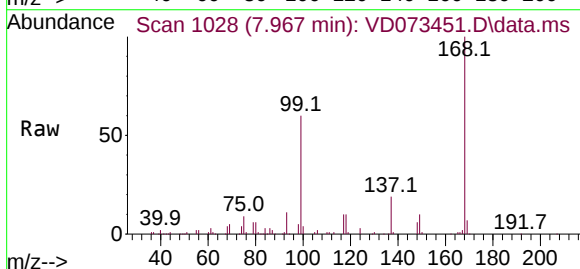
Tgt Ion: 75 Resp: 23164

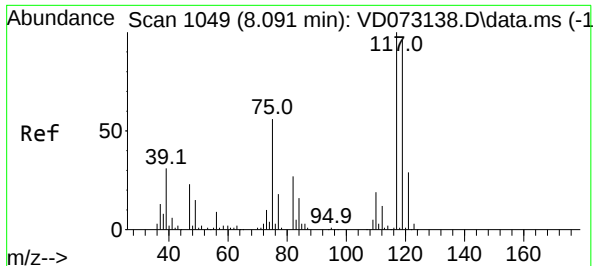
Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 24.2 36.2#

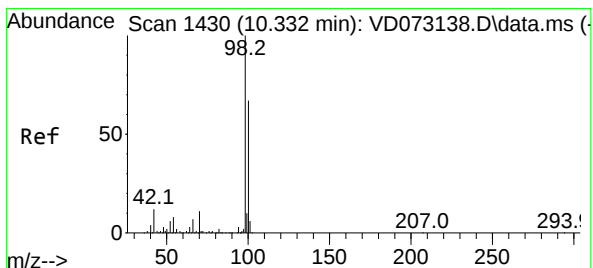
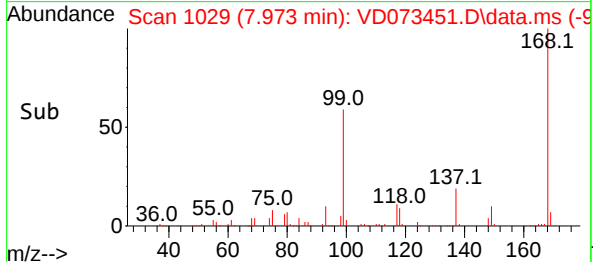
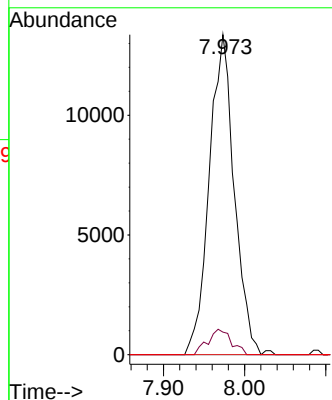
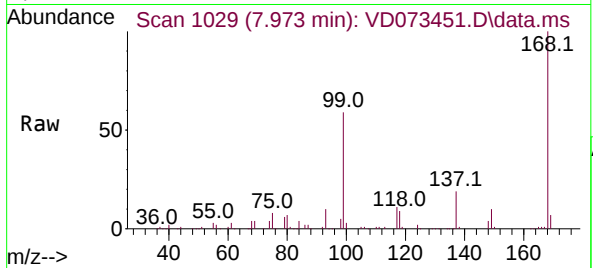




#38
Carbon Tetrachloride
Concen: 5.563 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

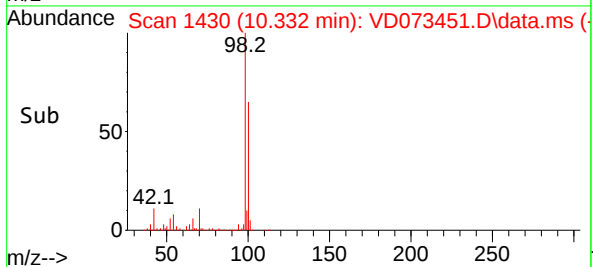
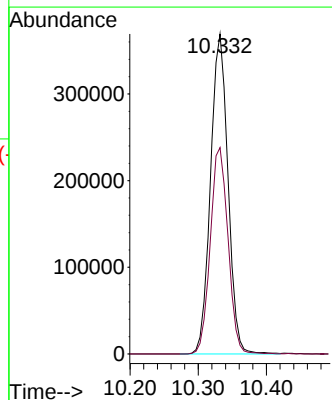
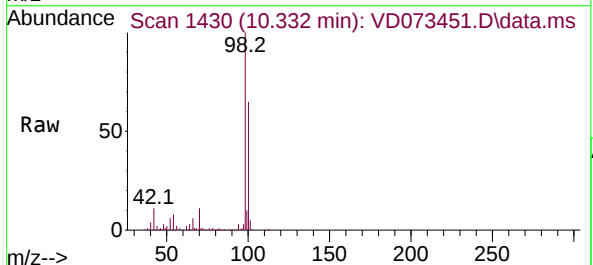
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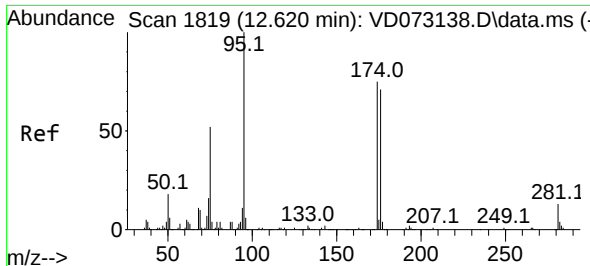
Tgt Ion:117 Resp: 28701
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.747 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Tgt Ion: 98 Resp: 658037
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

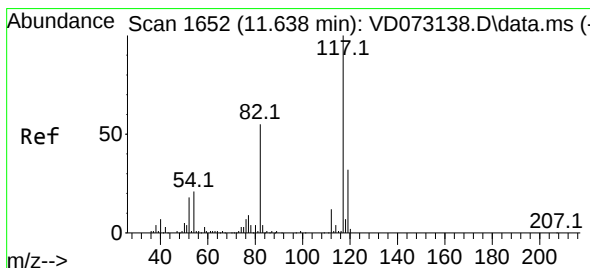
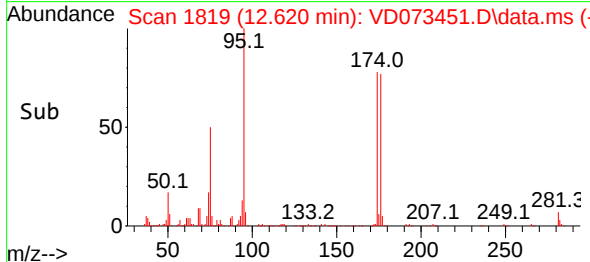
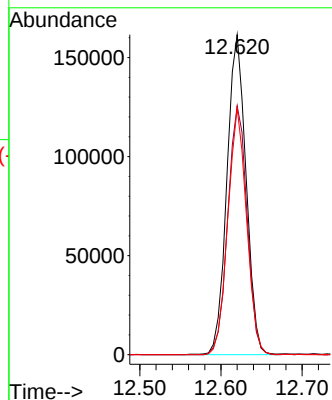
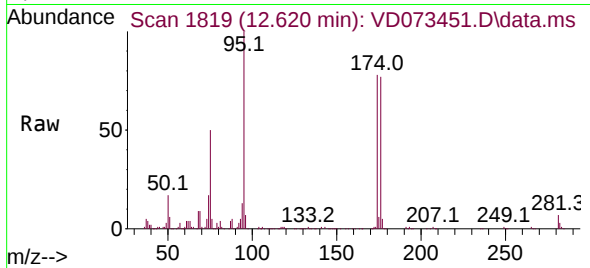




#62
4-Bromofluorobenzene
Concen: 60.353 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

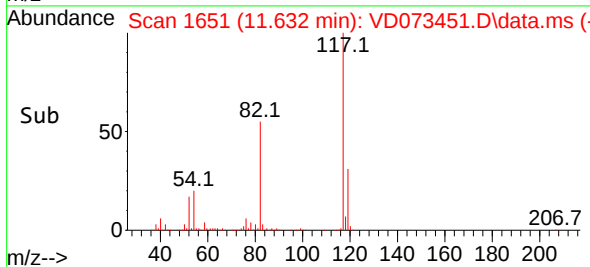
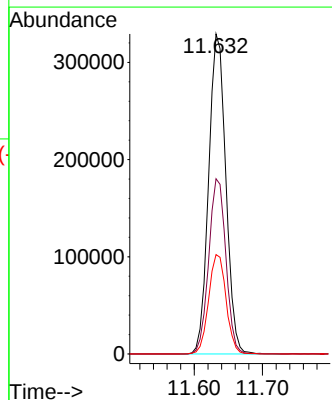
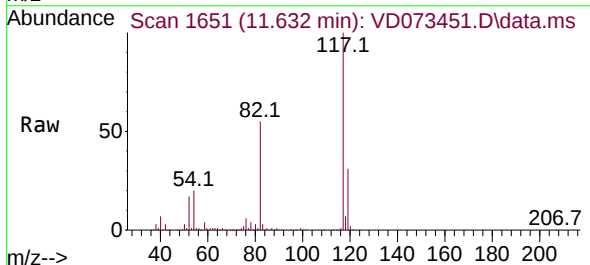
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

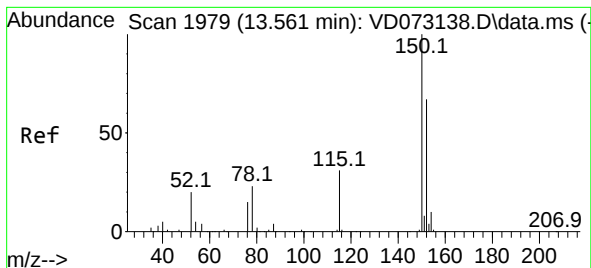
Tgt Ion: 95 Resp: 264232
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 75.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Tgt Ion: 117 Resp: 577499
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 31.1 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: VD073451.D

Acq: 01 Jun 2022 16:46

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

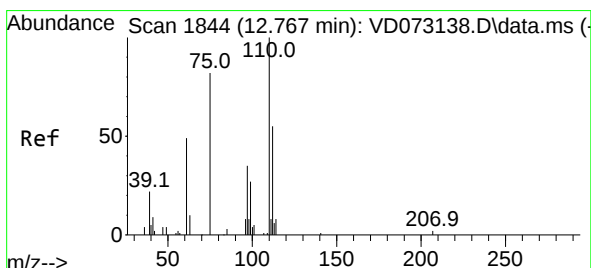
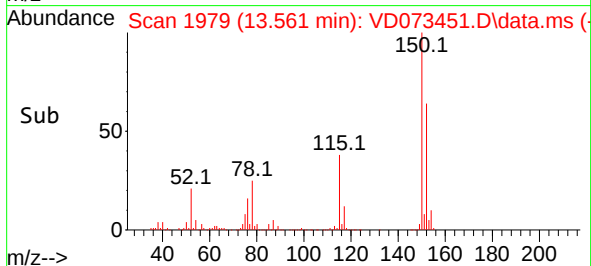
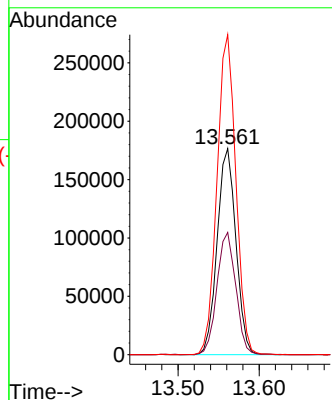
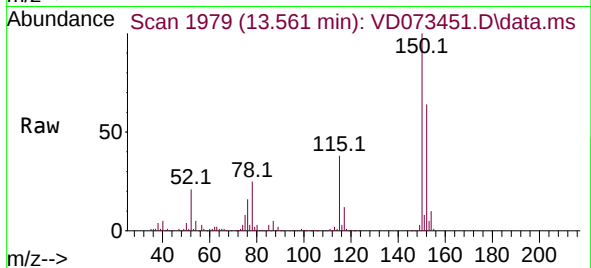
Tgt Ion:152 Resp: 284241

Ion Ratio Lower Upper

152 100

115 59.4 31.3 93.8

150 155.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 47.295 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073451.D

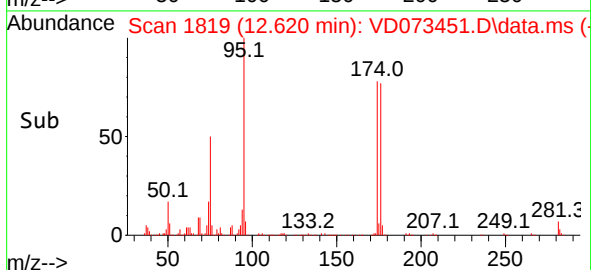
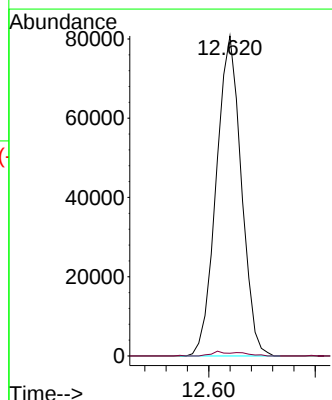
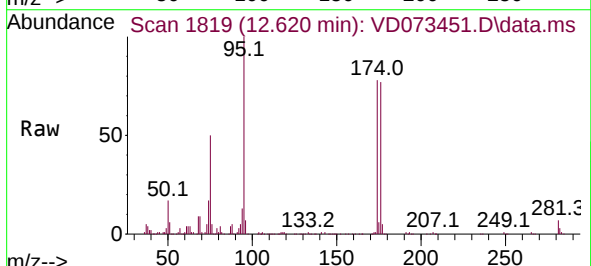
Acq: 01 Jun 2022 16:46

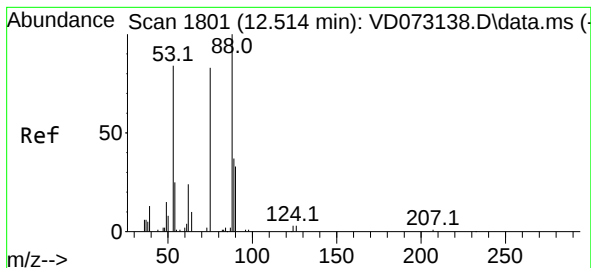
Tgt Ion: 75 Resp: 131901

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

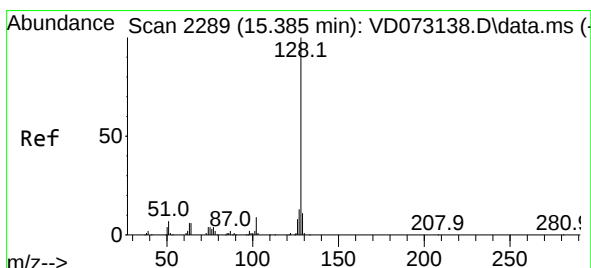
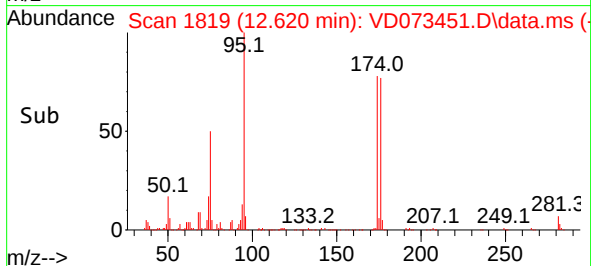
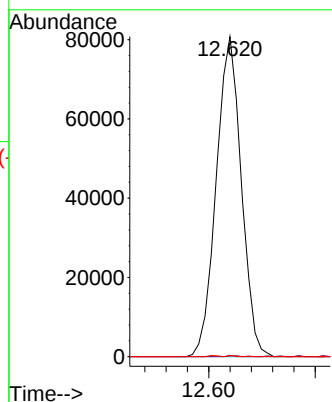
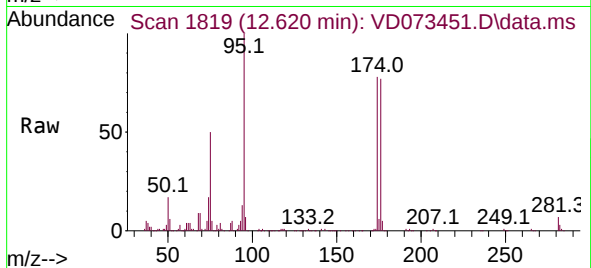




#81
trans-1,4-Dichloro-2-butene
Concen: 113.541 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 131901
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.614 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.018 min
Lab File: VD073451.D
Acq: 01 Jun 2022 16:46

Tgt Ion: 128 Resp: 728
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

