

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073424.D
 Acq On : 31 May 2022 14:43
 Operator : VA/SY
 Sample : VD0531SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 31 17:42:34 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)

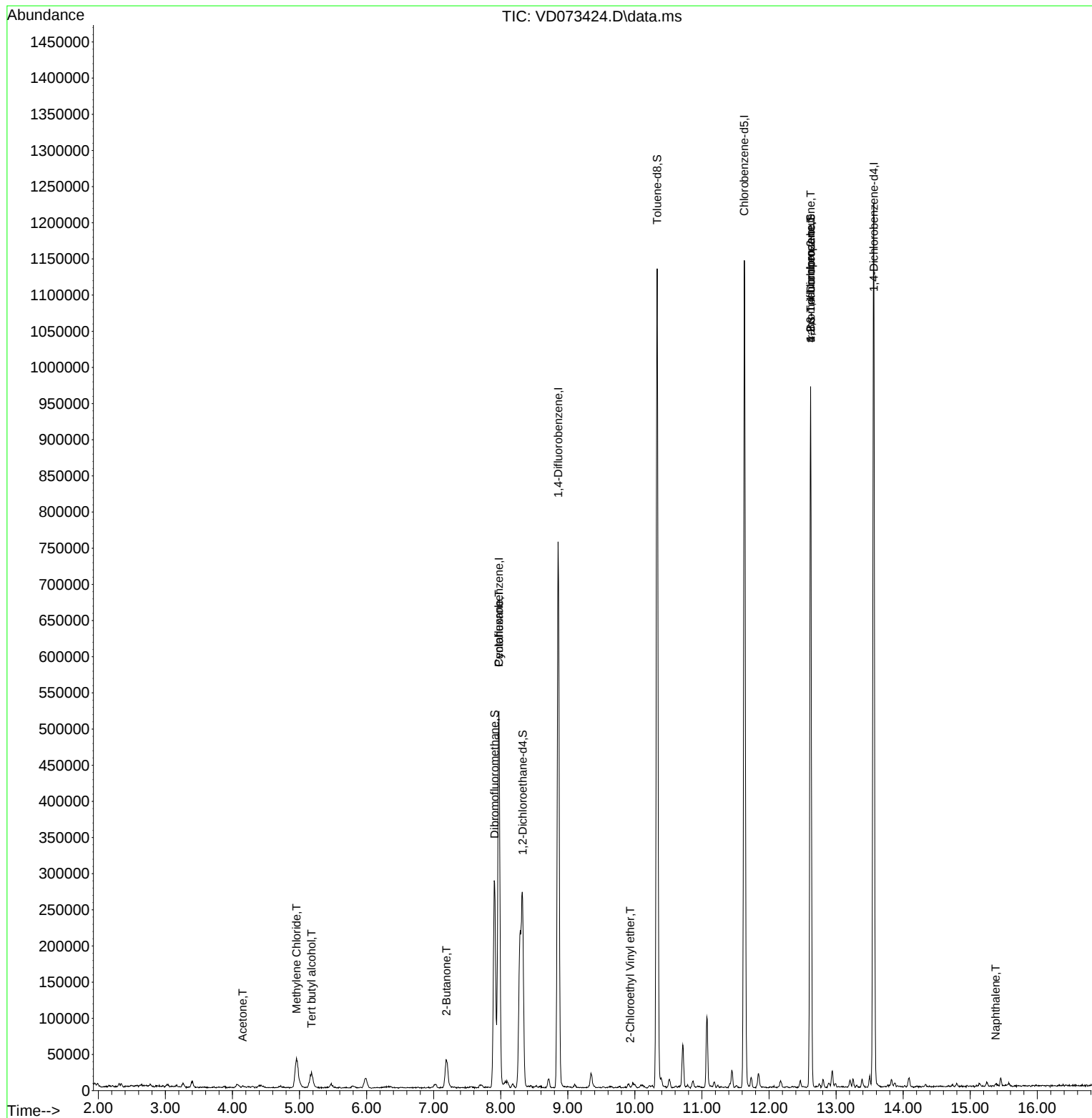
Internal Standards						
1) Pentafluorobenzene	7.973	168	380471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	666022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	681751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195083	46.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.800%
35) Dibromofluoromethane	7.909	113	210338	47.860	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.720%
50) Toluene-d8	10.332	98	772882	47.707	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.620	95	316581	55.683	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	1892	Below Cal	#	72
11) Tert butyl alcohol	5.179	59	17451	26.750	ug/l #	75
16) Acetone	4.150	43	3539	4.859	ug/l	94
20) Methylene Chloride	4.956	84	31182	2.996	ug/l #	79
25) 2-Butanone	7.191	43	1927	1.808	ug/l #	88
31) Cyclohexane	7.973	56	14321	1.949	ug/l #	11
58) 2-Chloroethyl Vinyl ether	9.932	63	496	21.862	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	155428	48.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	155428	115.846	ug/l #	7
95) Naphthalene	15.379	128	3673	3.859	ug/l #	96

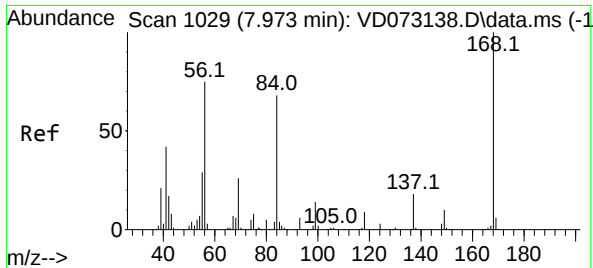
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Quant Time: May 31 17:42:34 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

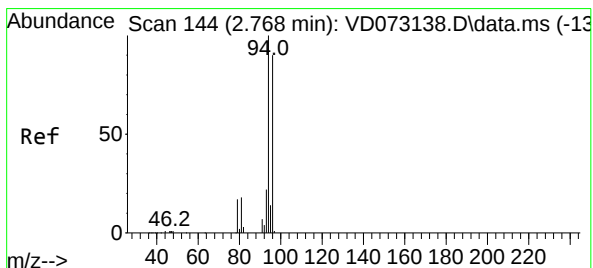
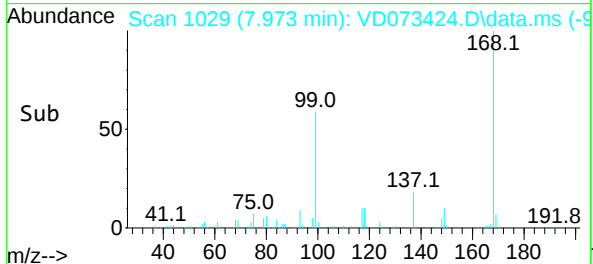
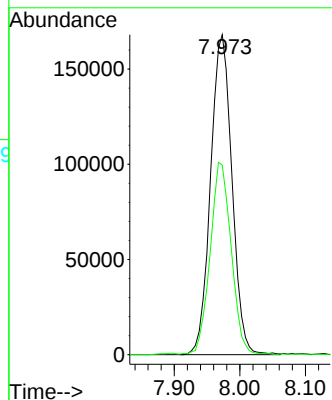
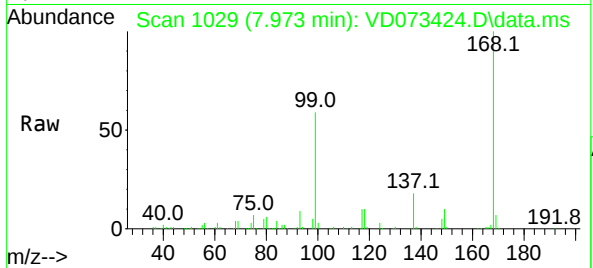




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

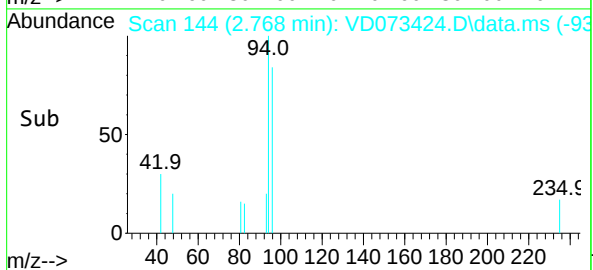
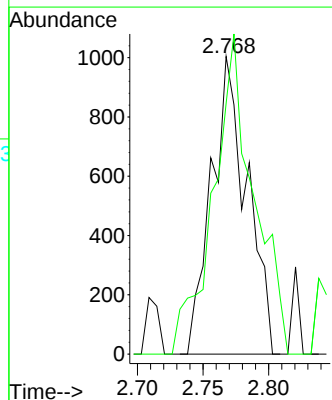
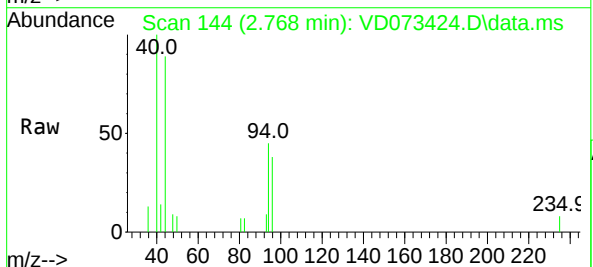
Instrument :
MSVOA_D
ClientSampleId :

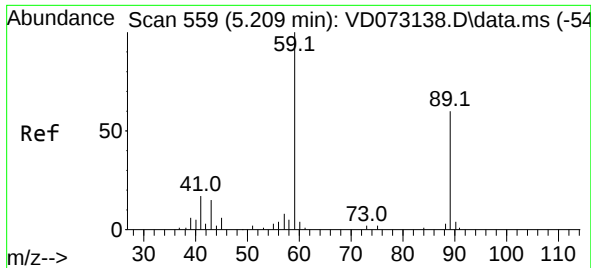
Tgt Ion:168 Resp: 380471
Ion Ratio Lower Upper
168 100
99 59.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

Tgt Ion: 94 Resp: 1892
Ion Ratio Lower Upper
94 100
96 69.2 77.6 116.4#

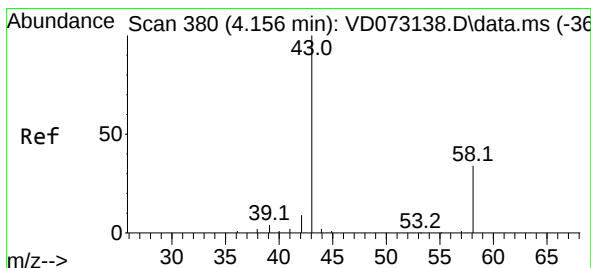
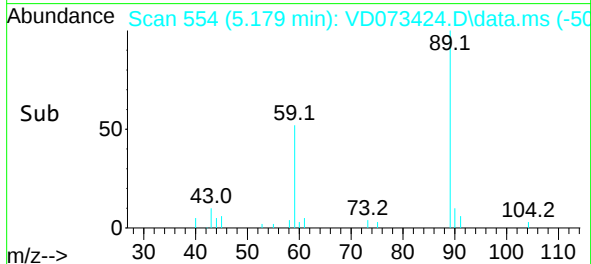
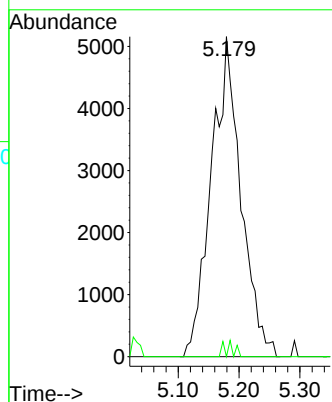
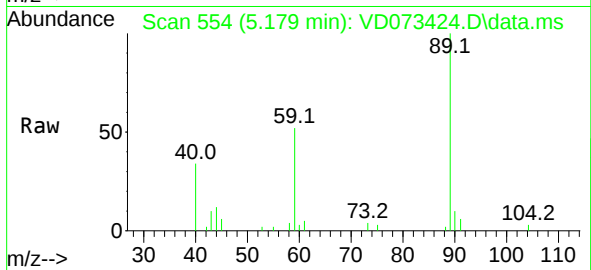




#11
Tert butyl alcohol
Concen: 26.750 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

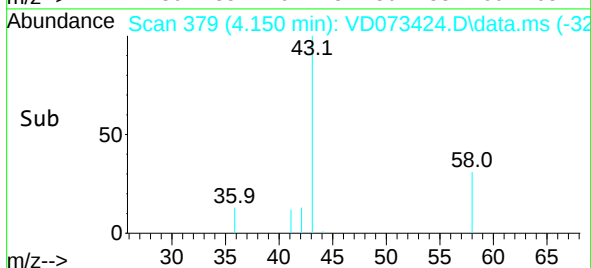
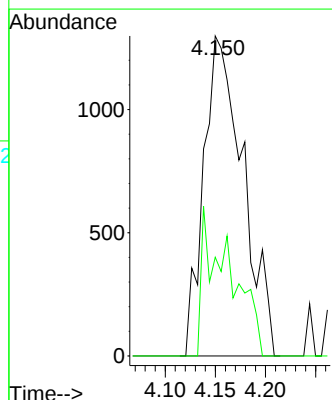
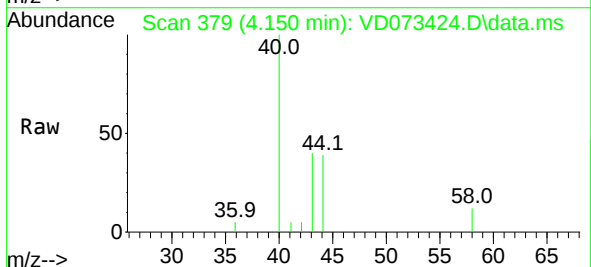
Instrument :
MSVOA_D
ClientSampleId :

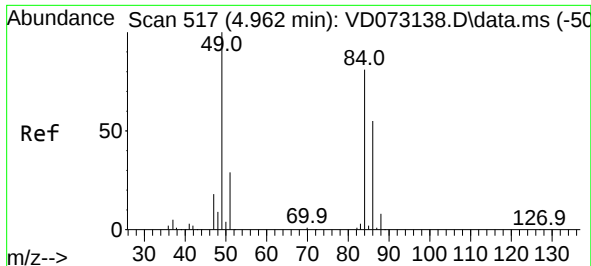
Tgt Ion: 59 Resp: 17451
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.6#



#16
Acetone
Concen: 4.859 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

Tgt Ion: 43 Resp: 3539
Ion Ratio Lower Upper
43 100
58 30.9 22.1 33.1





#20

Methylene Chloride

Concen: 2.996 ug/l

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

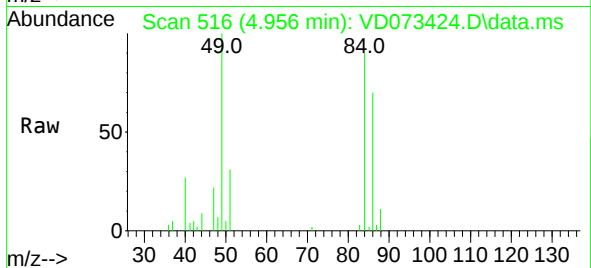
Lab File: VD073424.D

Acq: 31 May 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 31182

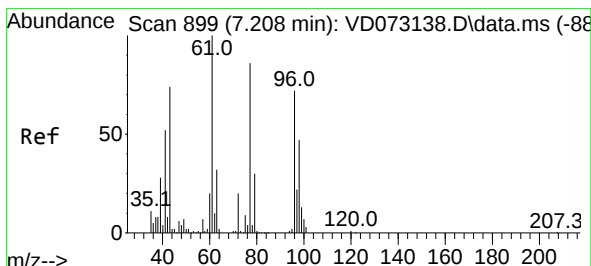
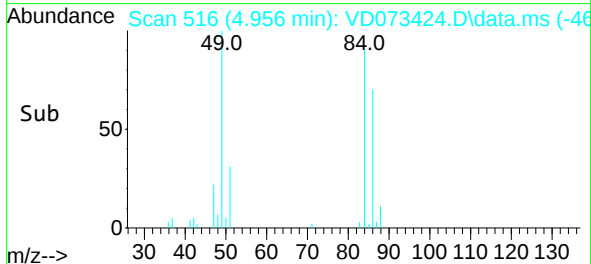
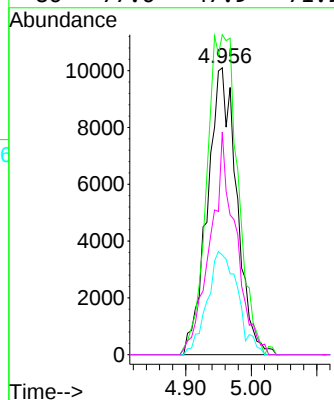
Ion Ratio Lower Upper

84 100

49 111.6 112.8 169.2#

51 34.7 32.6 48.8

86 77.6 47.9 71.9#



#25

2-Butanone

Concen: 1.808 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.017 min

Lab File: VD073424.D

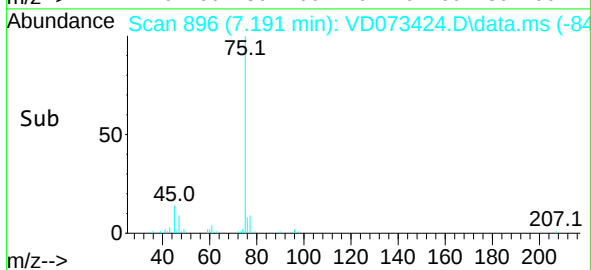
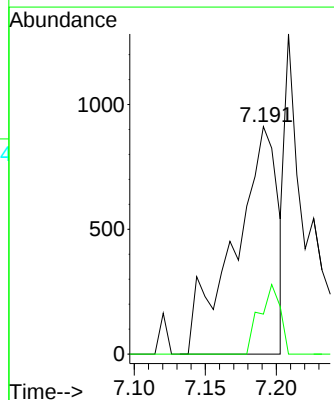
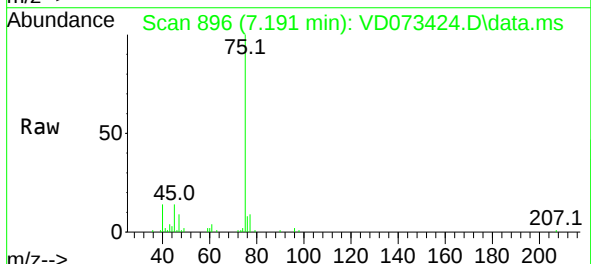
Acq: 31 May 2022 14:43

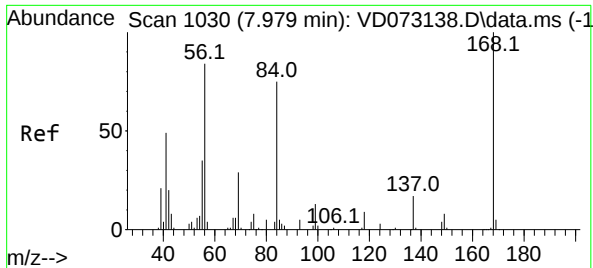
Tgt Ion: 43 Resp: 1927

Ion Ratio Lower Upper

43 100

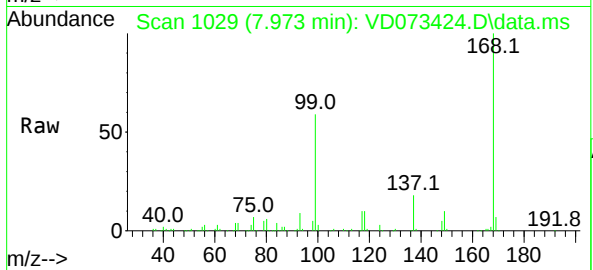
72 17.5 18.6 27.8#



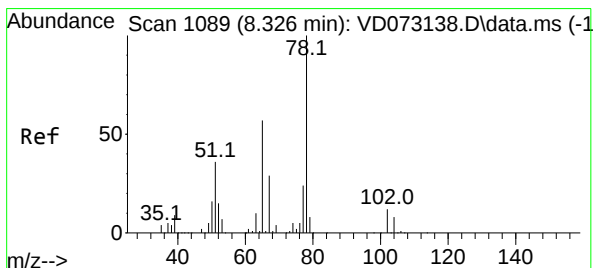
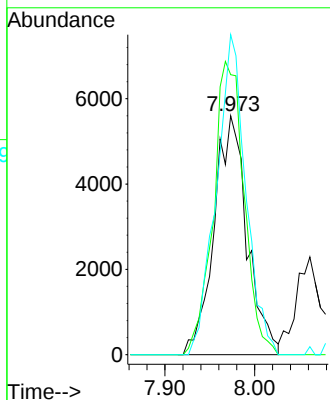
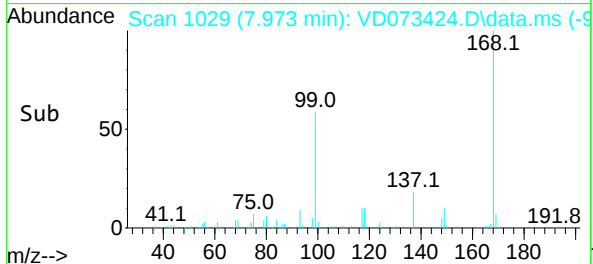


#31
Cyclohexane
Concen: 1.949 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

Instrument :
MSVOA_D
ClientSampleId :

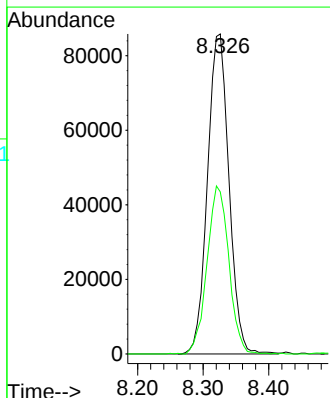
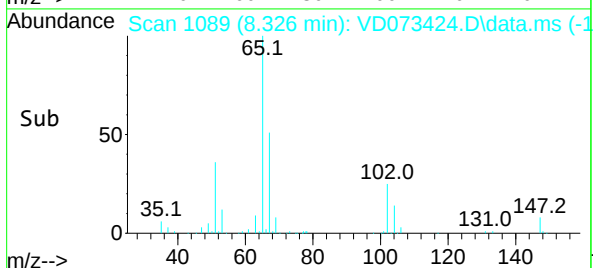
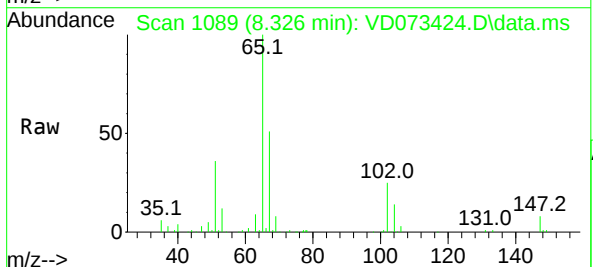


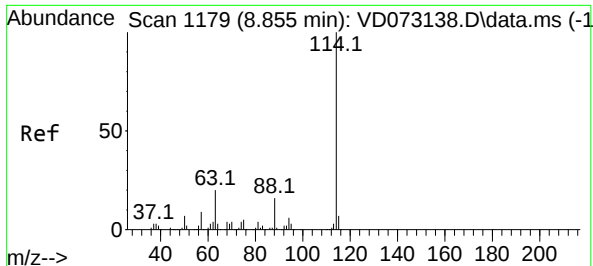
Tgt Ion: 56 Resp: 14321
Ion Ratio Lower Upper
56 100
69 117.3 25.4 38.2#
84 134.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.396 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

Tgt Ion: 65 Resp: 195083
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

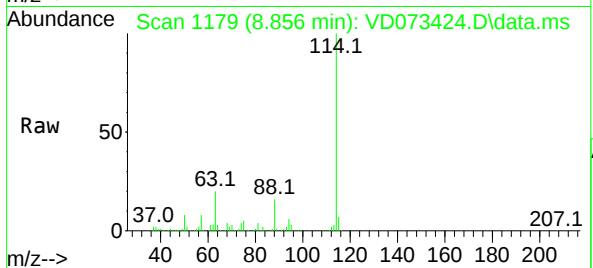
Lab File: VD073424.D

Acq: 31 May 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :



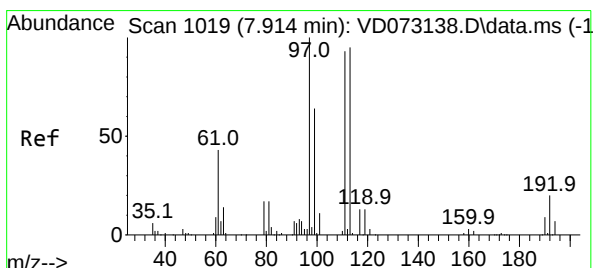
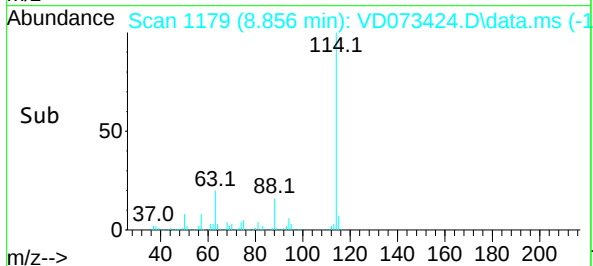
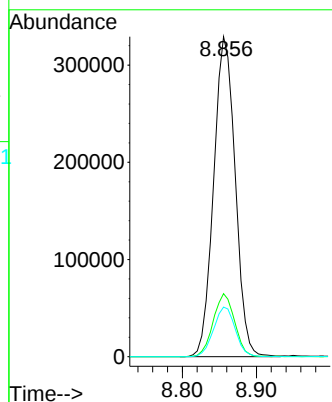
Tgt Ion:114 Resp: 666022

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.860 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073424.D

Acq: 31 May 2022 14:43

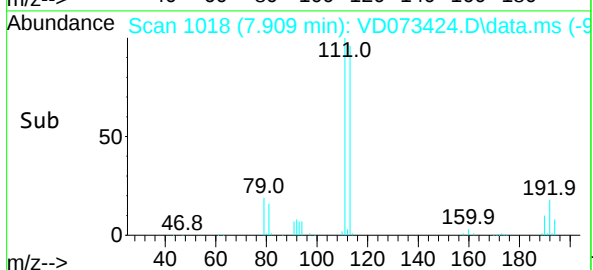
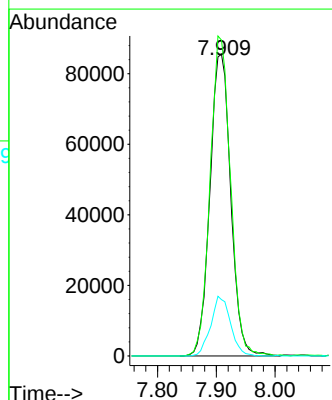
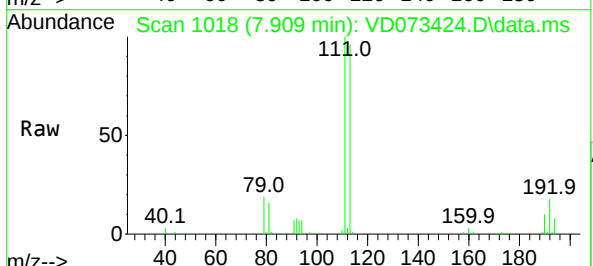
Tgt Ion:113 Resp: 210338

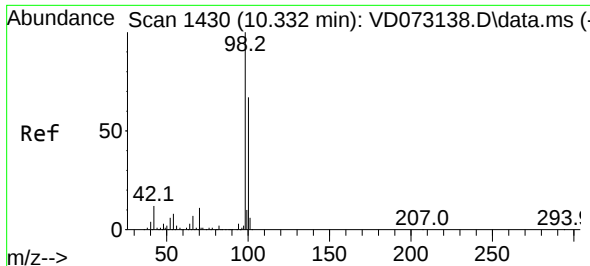
Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 18.8 14.6 21.8

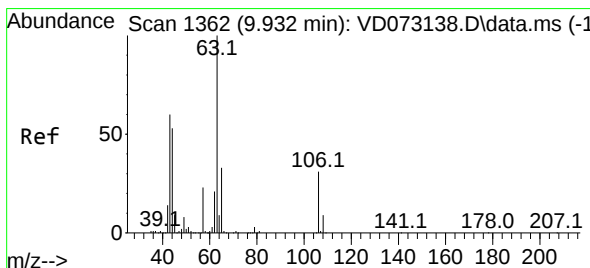
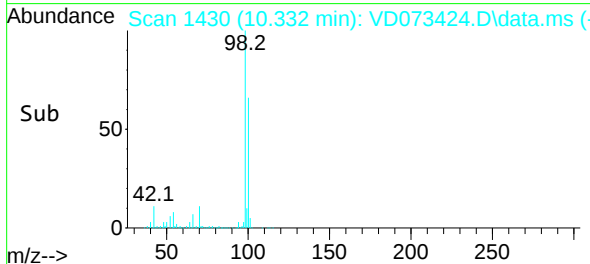
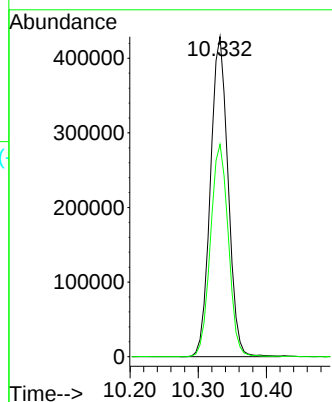
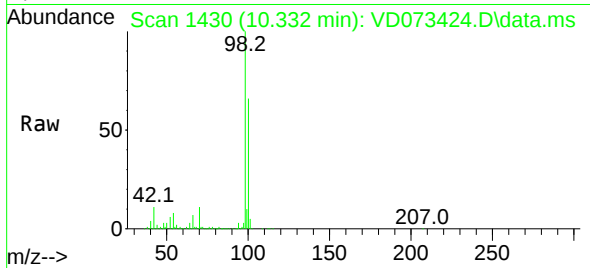




#50
Toluene-d8
Concen: 47.707 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

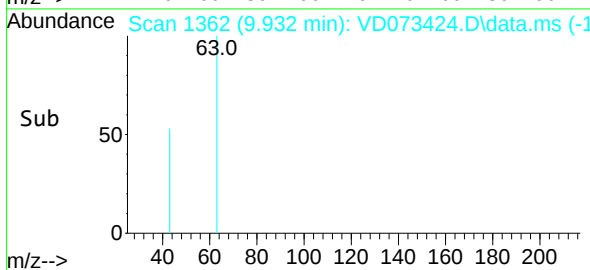
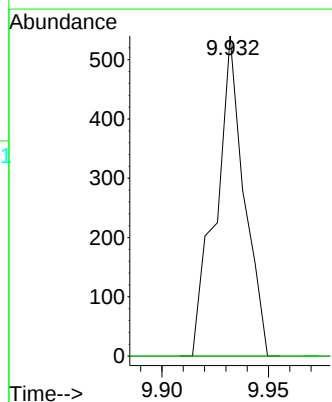
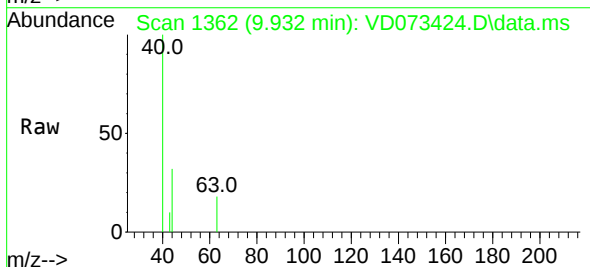
Instrument :
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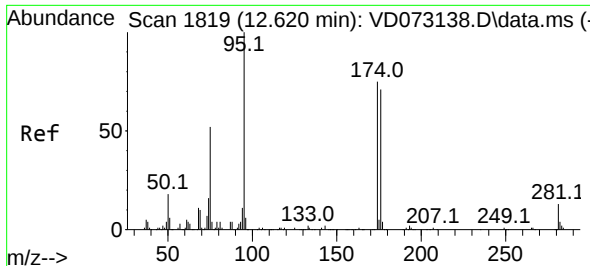
Tgt Ion: 98 Resp: 772882
Ion Ratio Lower Upper
98 100
100 67.3 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 21.862 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

Tgt Ion: 63 Resp: 496
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

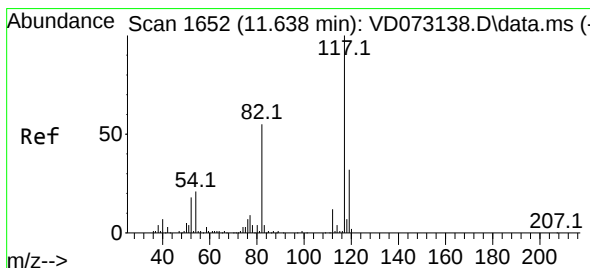
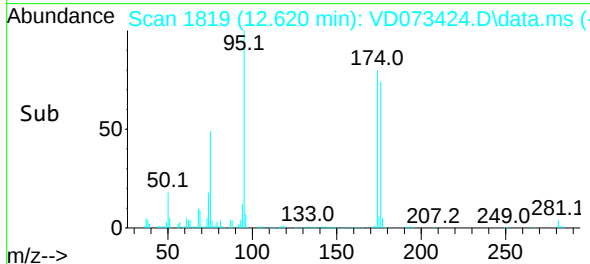
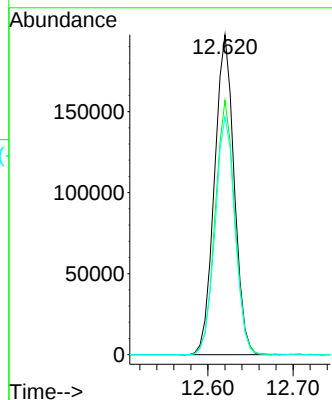
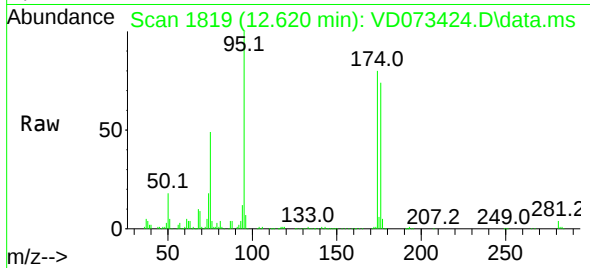




#62
4-Bromofluorobenzene
Concen: 55.683 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

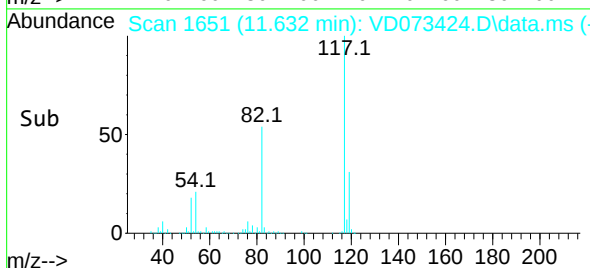
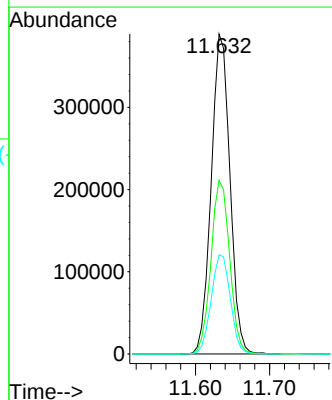
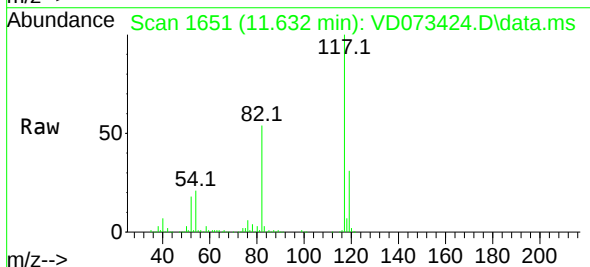
Instrument :
MSVOA_D
ClientSampleId :

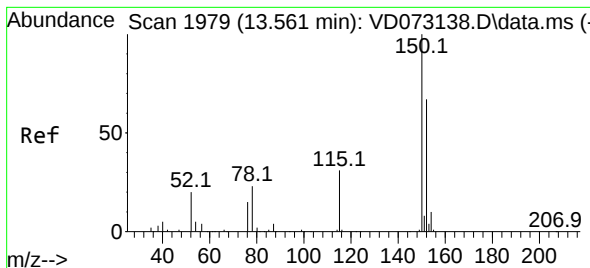
Tgt Ion: 95 Resp: 316581
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 75.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073424.D
Acq: 31 May 2022 14:43

Tgt Ion: 117 Resp: 681751
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 31.0 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

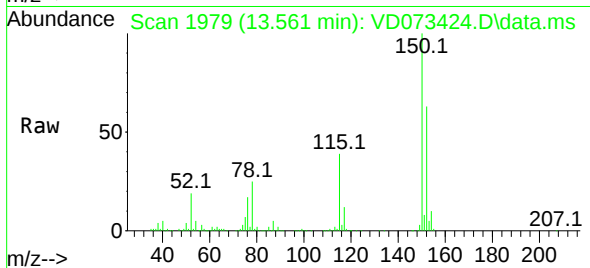
Lab File: VD073424.D

Acq: 31 May 2022 14:43

Instrument :

MSVOA_D

ClientSampleId :



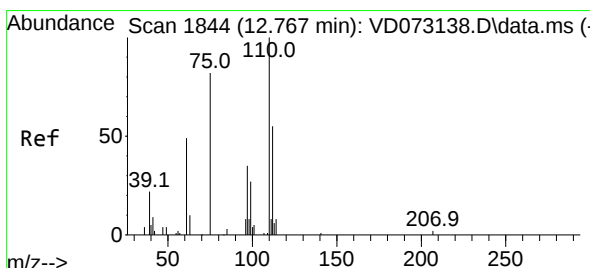
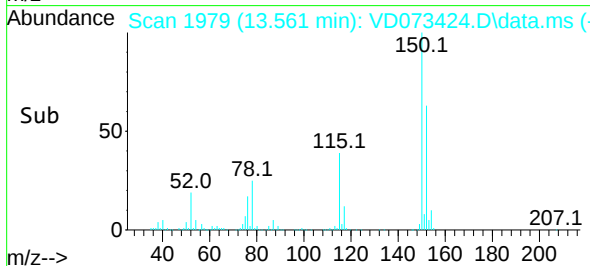
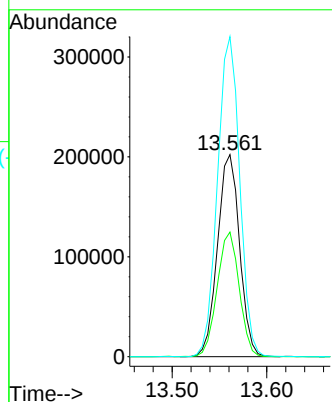
Tgt Ion:152 Resp: 328276

Ion Ratio Lower Upper

152 100

115 61.5 31.3 93.8

150 159.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.255 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073424.D

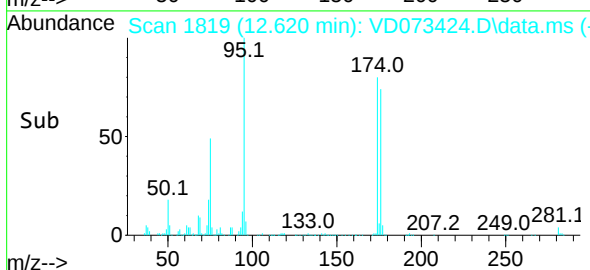
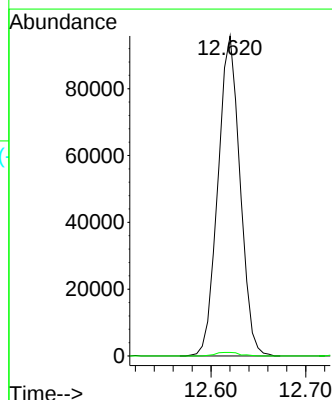
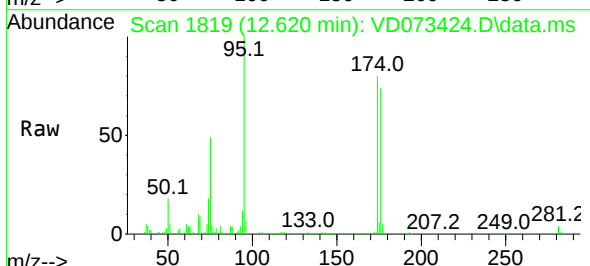
Acq: 31 May 2022 14:43

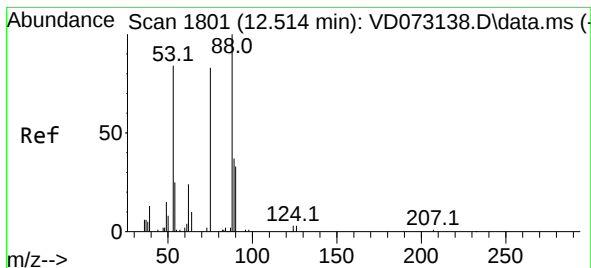
Tgt Ion: 75 Resp: 155428

Ion Ratio Lower Upper

75 100

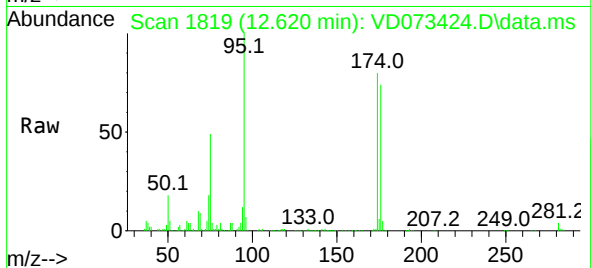
77 1.2 0.0 0.0#



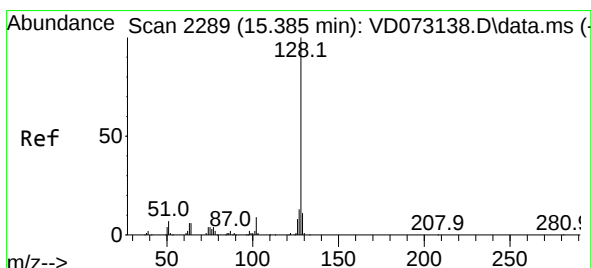
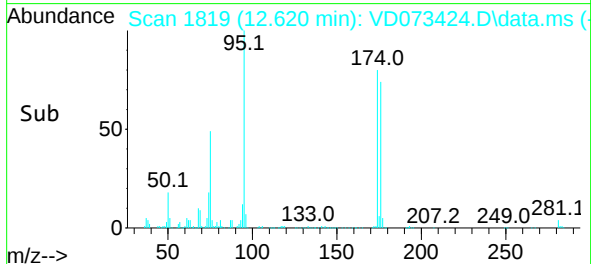
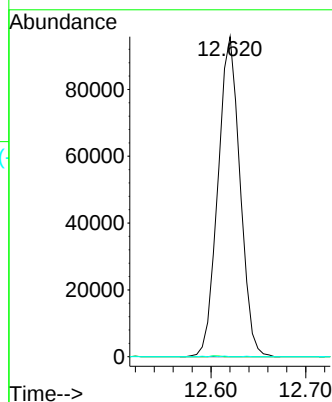


#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.846 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073424.D
 Acq: 31 May 2022 14:43

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 155428
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#



#95
 Naphthalene
 Concen: 3.859 ug/l
 RT: 15.379 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: VD073424.D
 Acq: 31 May 2022 14:43

Tgt Ion: 128 Resp: 3673
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.3 15.5
 129 7.9 8.4 12.6#

