

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073572.D
 Acq On : 14 Jun 2022 16:36
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 15 01:37:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

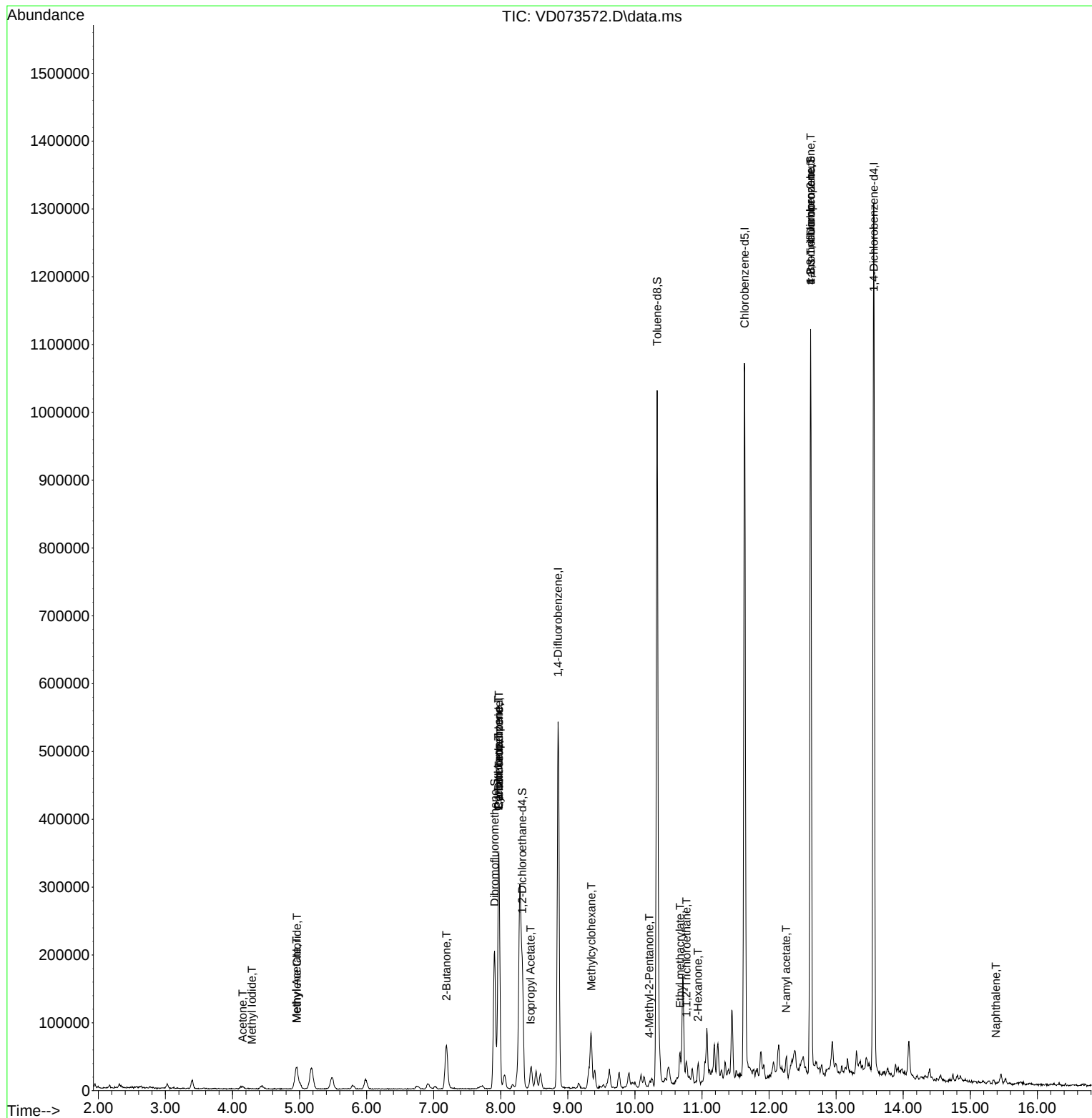
Internal Standards						
1) Pentafluorobenzene	7.973	168	254362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	475389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	624221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	346912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	124557	45.631	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.260%		
35) Dibromofluoromethane	7.908	113	148362	48.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.060%		
50) Toluene-d8	10.332	98	630709	54.569	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.140%		
62) 4-Bromofluorobenzene	12.620	95	333318	79.440	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	158.880%#		
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	553	4.334	ug/l #	51
11) Tert butyl alcohol	5.179	59	29123	Below Cal	#	76
16) Acetone	4.150	43	4290	8.926	ug/l	95
18) Methyl Acetate	4.956	43	6987	6.385	ug/l #	55
20) Methylene Chloride	4.961	84	22679	4.562	ug/l #	79
25) 2-Butanone	7.191	43	4468	6.318	ug/l #	75
31) Cyclohexane	7.967	56	8026	1.745	ug/l #	10
36) 1,1-Dichloropropene	7.967	75	20187	4.397	ug/l #	53
38) Carbon Tetrachloride	7.973	117	25049	5.215	ug/l #	21
39) Methylcyclohexane	9.349	83	30307	5.664	ug/l	99
43) Isopropyl Acetate	8.444	43	5685	1.593	ug/l #	54
51) 4-Methyl-2-Pentanone	10.214	43	1855	1.027	ug/l	95
55) 1,1,2-Trichloroethane	10.767	97	12069	4.540	ug/l #	21
56) Ethyl methacrylate	10.673	69	5432	1.784	ug/l #	48
59) 2-Hexanone	10.938	43	10709	8.661	ug/l #	31
74) N-amyl acetate	12.255	43	8141	1.522	ug/l #	61
76) 1,2,3-Trichloropropane	12.620	75	162366	48.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	162366	113.082	ug/l #	7
95) Naphthalene	15.384	128	563	4.245	ug/l #	64

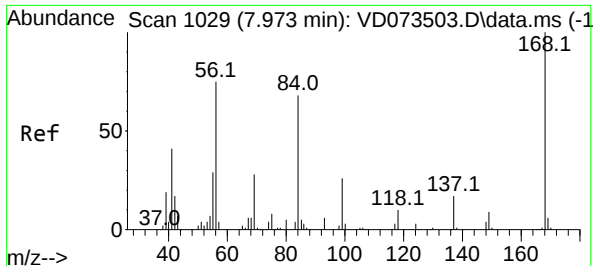
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 01:37:18 2022
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Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

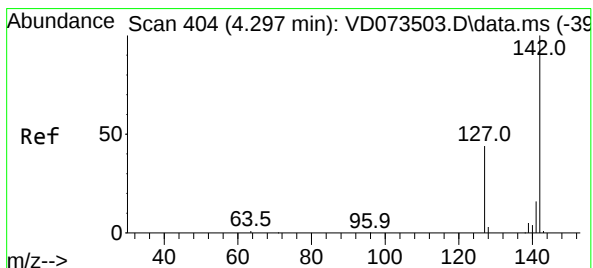
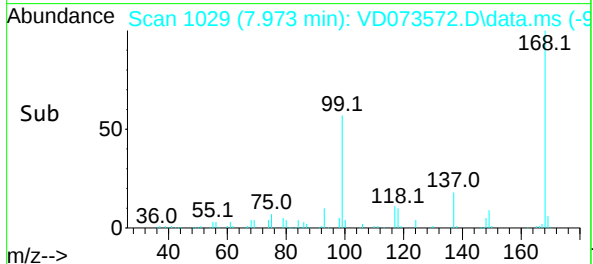
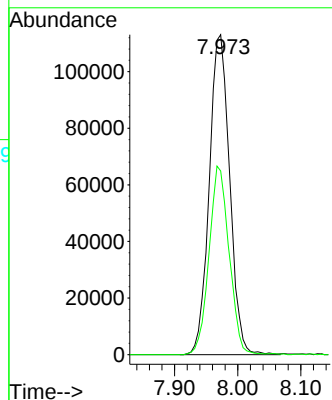
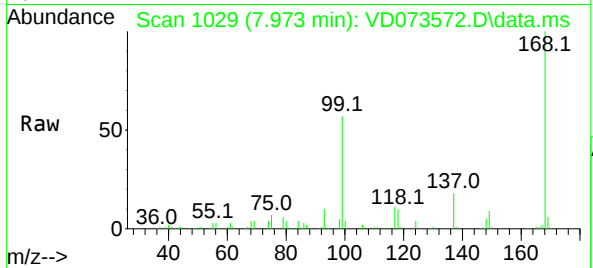




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

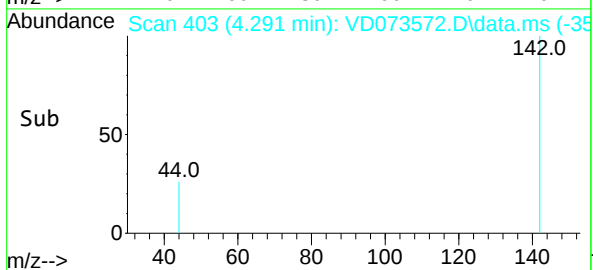
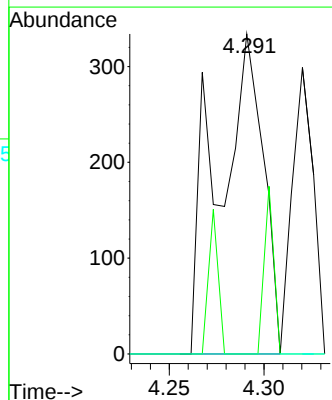
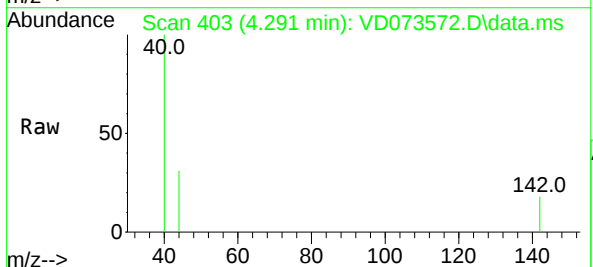
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

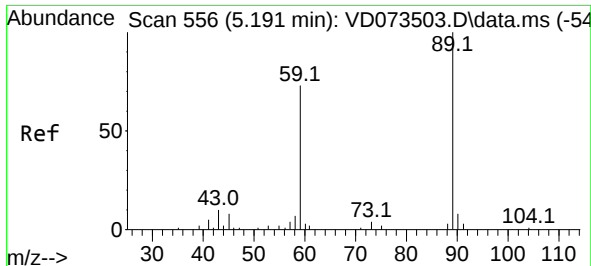
Tgt Ion:168 Resp: 254362
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#10
Methyl Iodide
Concen: 4.334 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion:142 Resp: 553
Ion Ratio Lower Upper
142 100
127 11.2 37.3 55.9#
141 0.0 11.7 17.5#

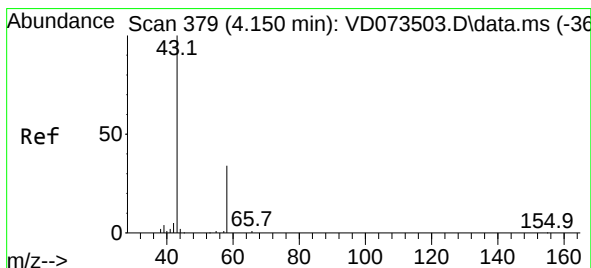
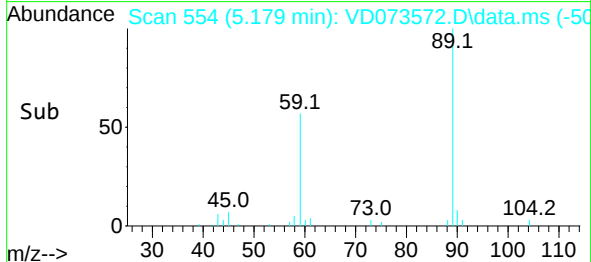
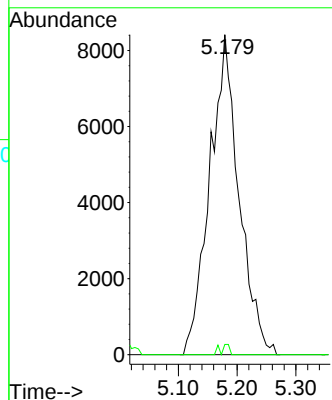
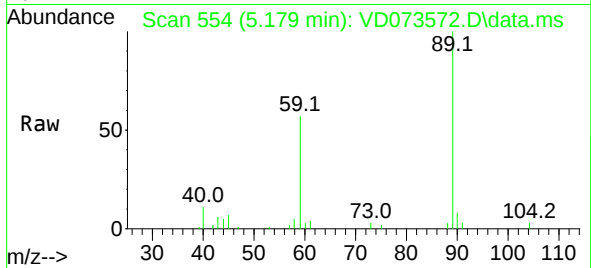




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

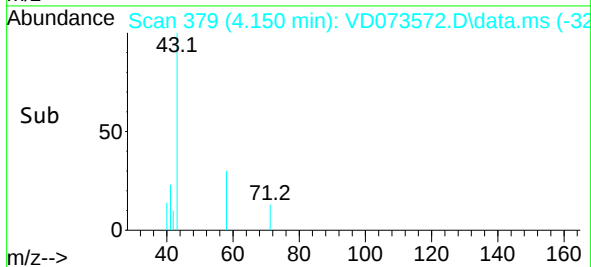
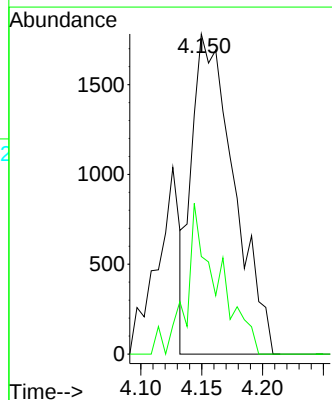
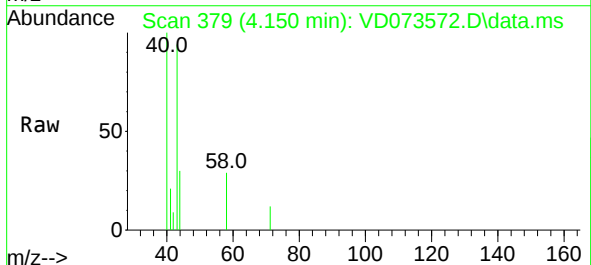
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

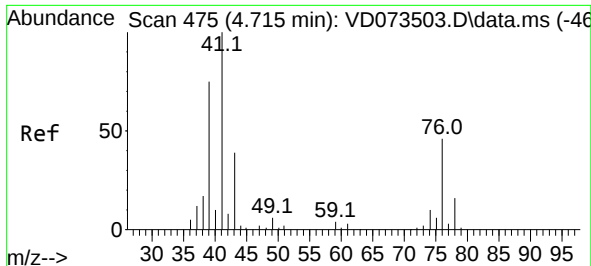
Tgt Ion: 59 Resp: 29123
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.6#



#16
Acetone
Concen: 8.926 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 43 Resp: 4290
Ion Ratio Lower Upper
43 100
58 30.5 22.1 33.1

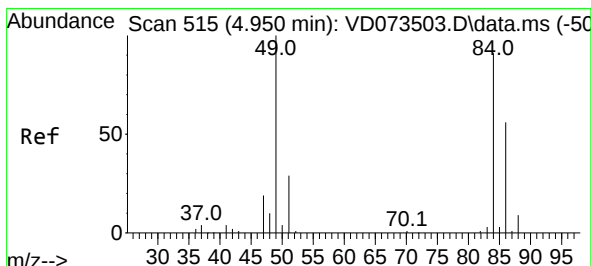
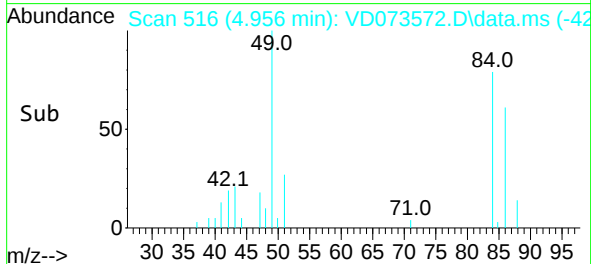
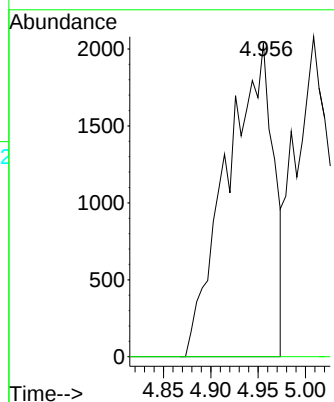
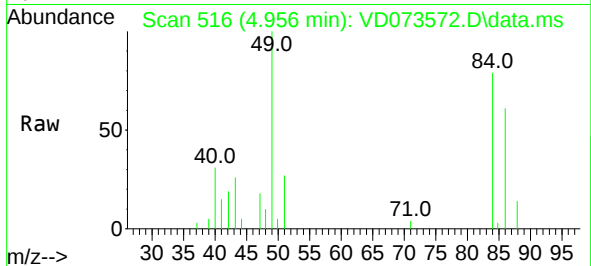




#18
Methyl Acetate
Concen: 6.385 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.241 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

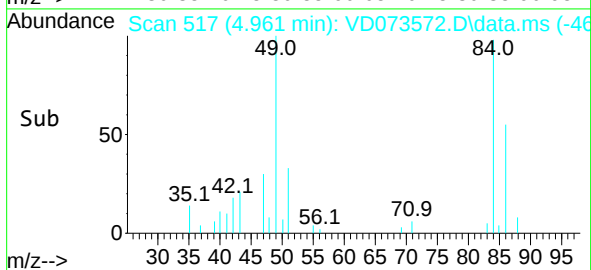
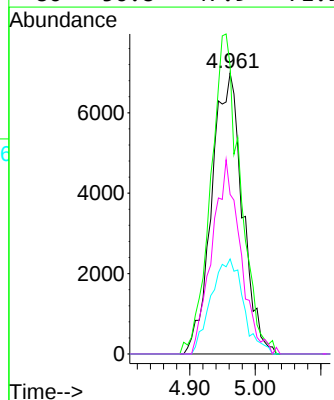
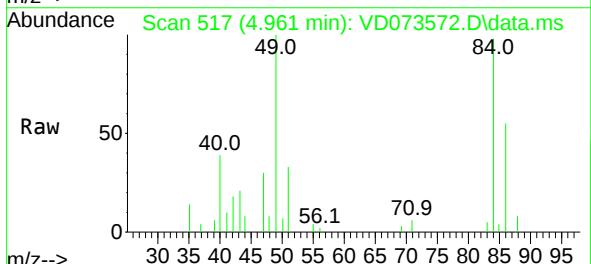
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

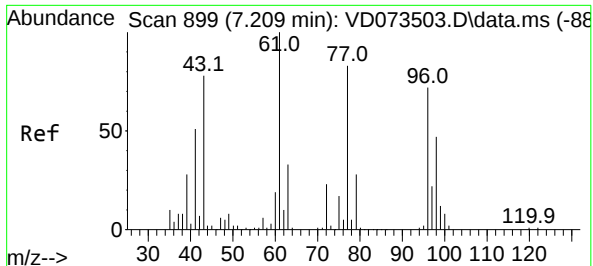
Tgt Ion: 43 Resp: 6987
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 4.562 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 84 Resp: 22679
Ion Ratio Lower Upper
84 100
49 102.5 112.8 169.2#
51 33.8 32.6 48.8
86 56.8 47.9 71.9

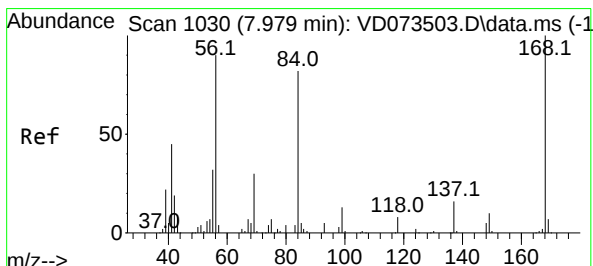
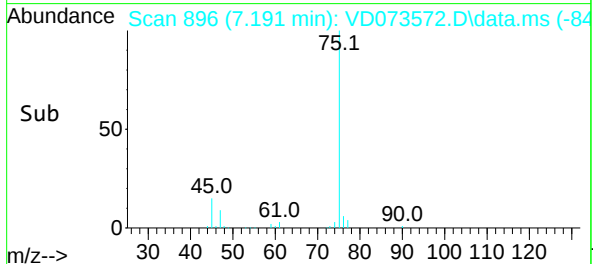
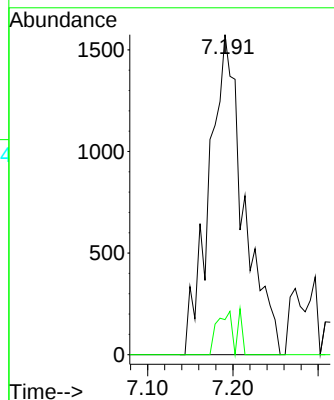
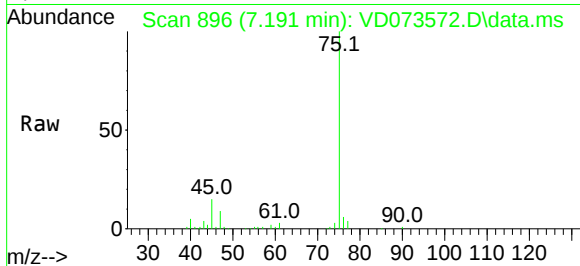




#25
2-Butanone
Concen: 6.318 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.018 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

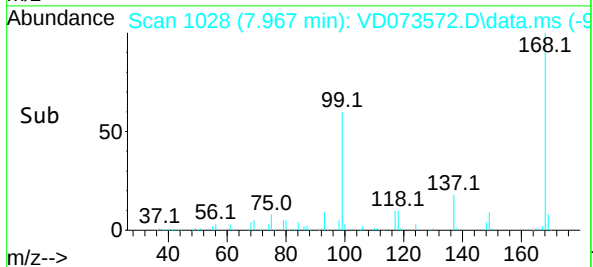
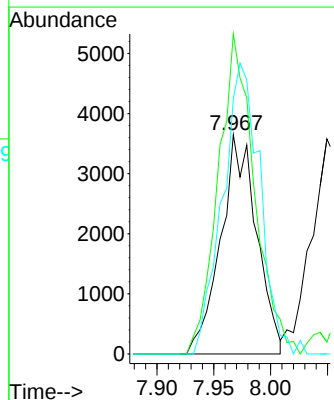
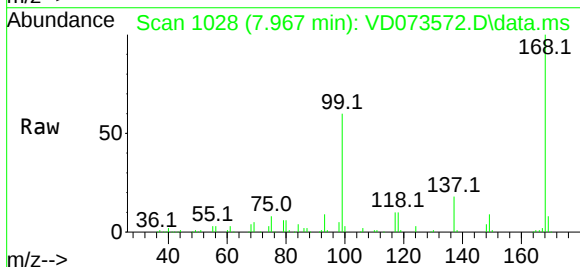
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

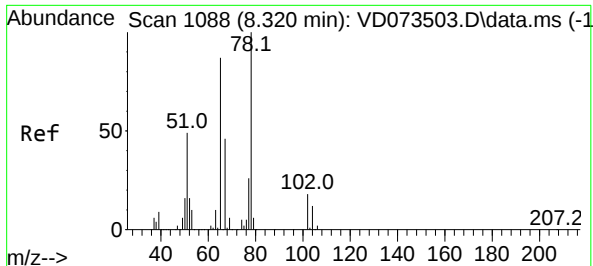
Tgt Ion: 43 Resp: 4468
Ion Ratio Lower Upper
43 100
72 11.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.745 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 56 Resp: 8026
Ion Ratio Lower Upper
56 100
69 146.0 25.4 38.2#
84 116.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.631 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073572.D

Acq: 14 Jun 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

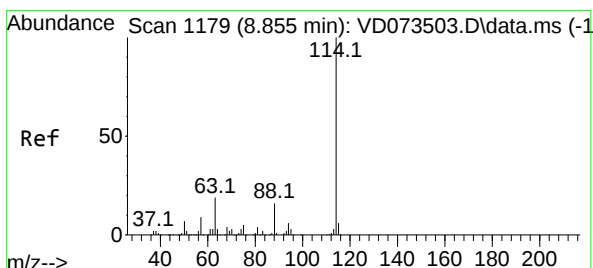
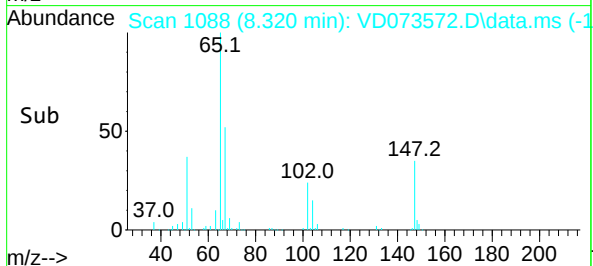
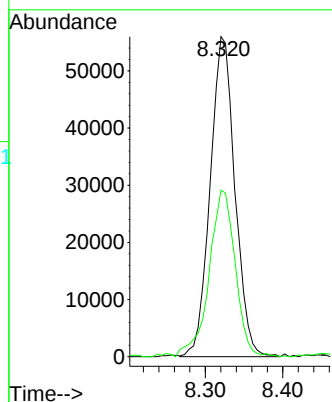
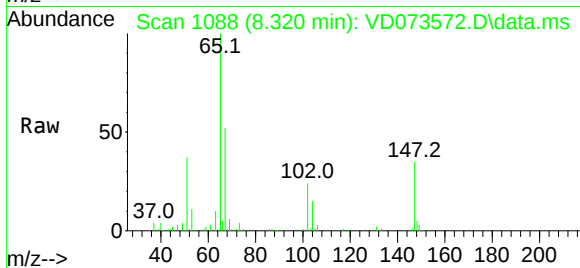
VIBLK

Tgt Ion: 65 Resp: 124557

Ion Ratio Lower Upper

65 100

67 55.4 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: VD073572.D

Acq: 14 Jun 2022 16:36

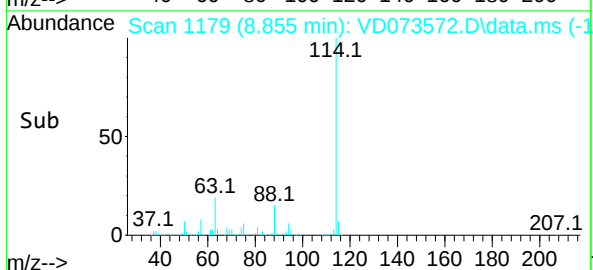
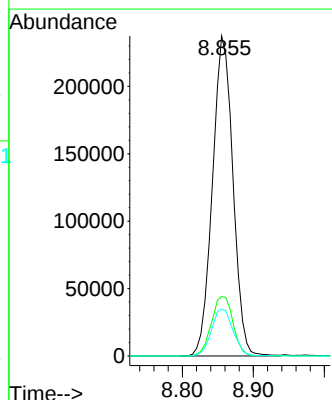
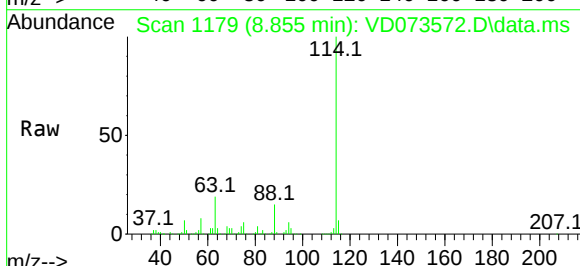
Tgt Ion: 114 Resp: 475389

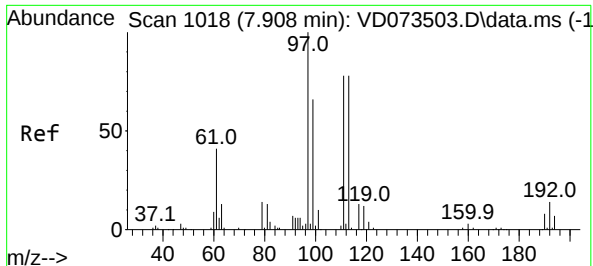
Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 14.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.533 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073572.D

Acq: 14 Jun 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

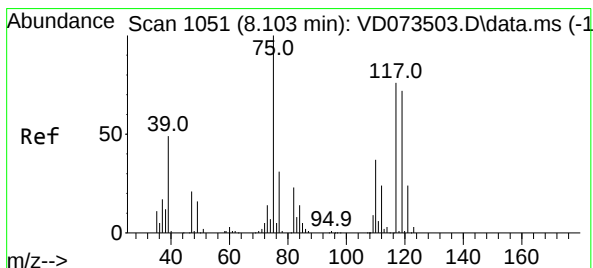
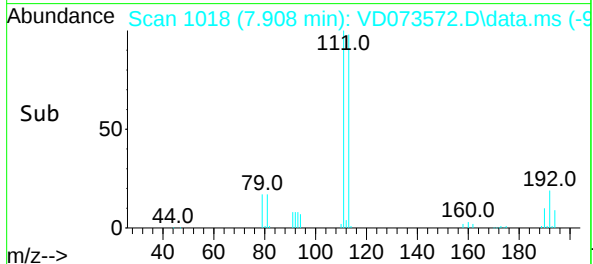
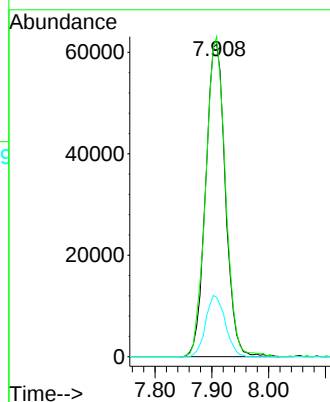
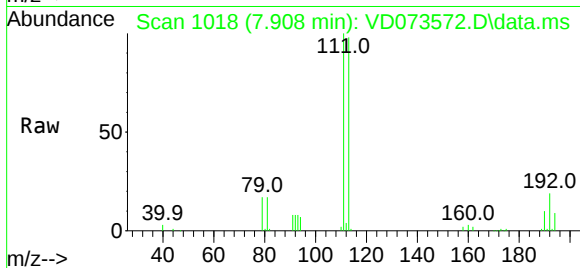
Tgt Ion:113 Resp: 148362

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 19.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.397 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073572.D

Acq: 14 Jun 2022 16:36

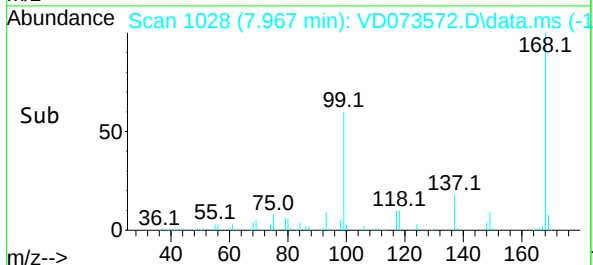
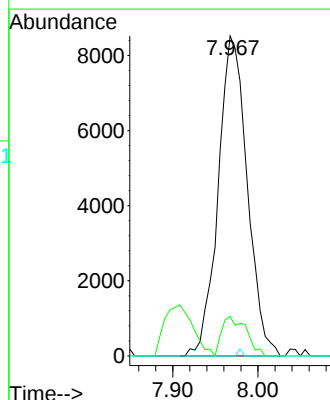
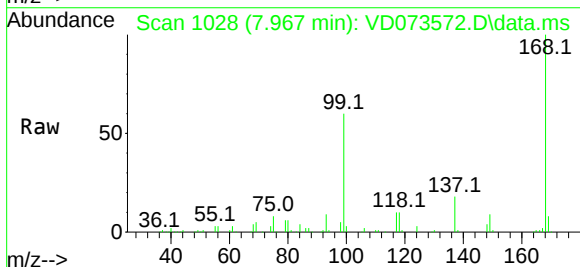
Tgt Ion: 75 Resp: 20187

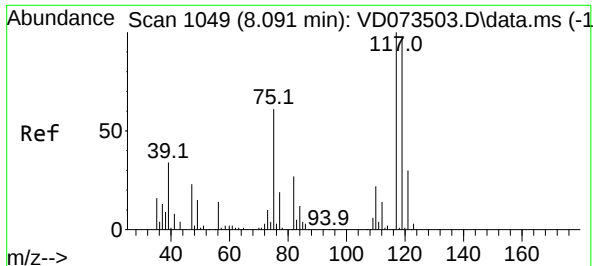
Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.3 24.2 36.2#

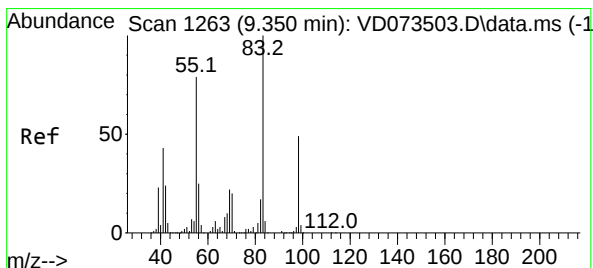
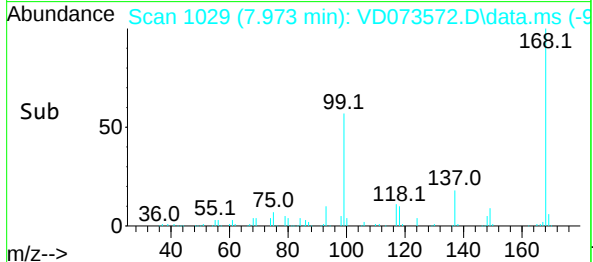
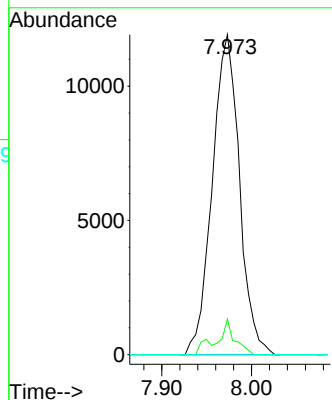
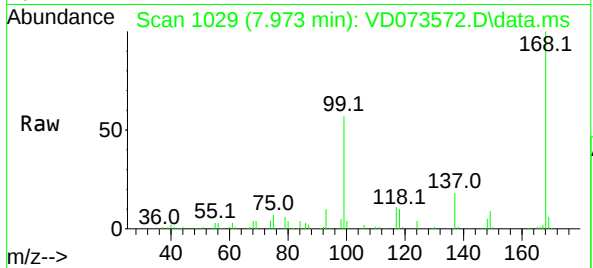




#38
Carbon Tetrachloride
Concen: 5.215 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

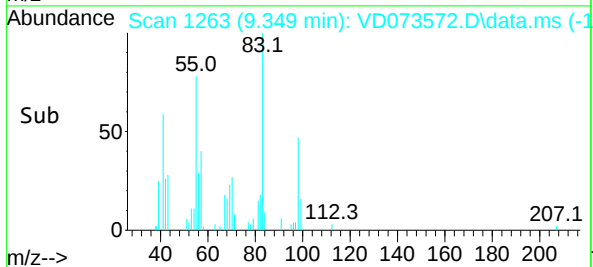
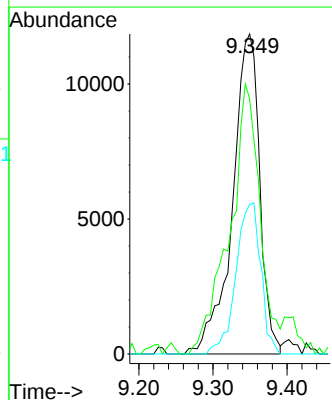
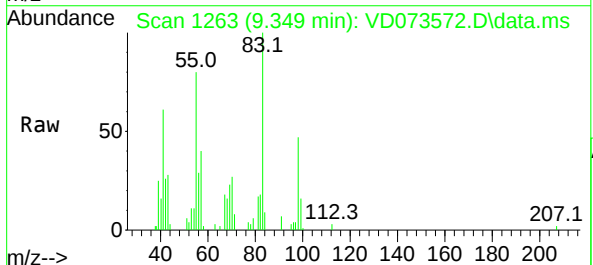
Instrument :
MSVOA_D
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VIBLK

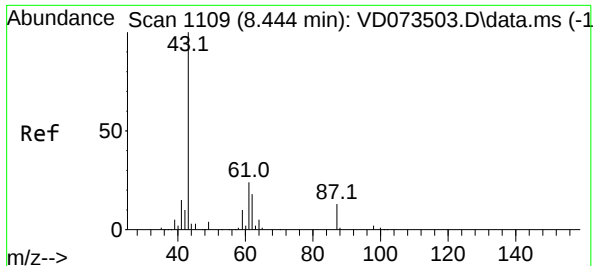
Tgt Ion:117 Resp: 25049
Ion Ratio Lower Upper
117 100
119 11.1 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 5.664 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.001 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 83 Resp: 30307
Ion Ratio Lower Upper
83 100
55 79.6 63.2 94.8
98 46.8 38.2 57.4





#43

Isopropyl Acetate

Concen: 1.593 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD073572.D

Acq: 14 Jun 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

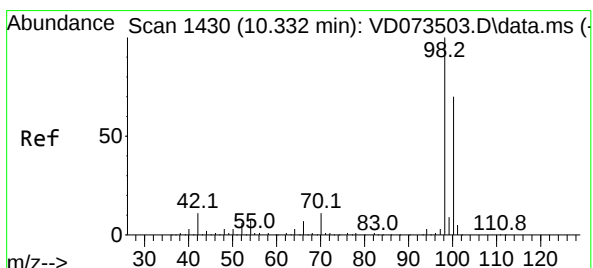
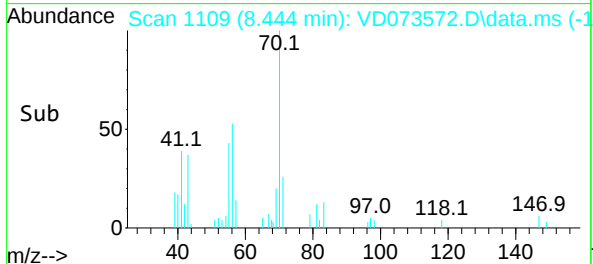
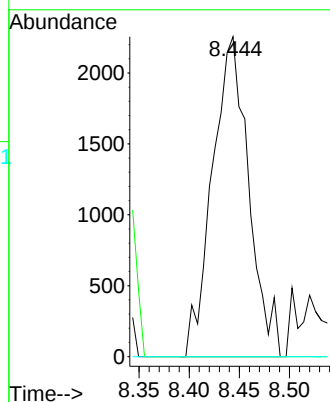
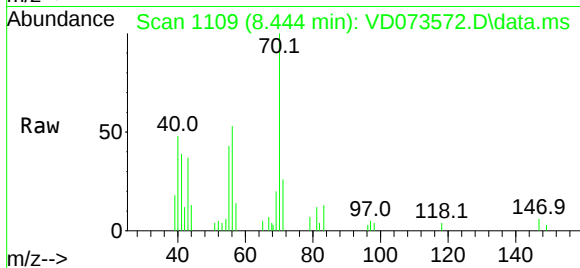
Tgt Ion: 43 Resp: 5685

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#



#50

Toluene-d8

Concen: 54.569 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073572.D

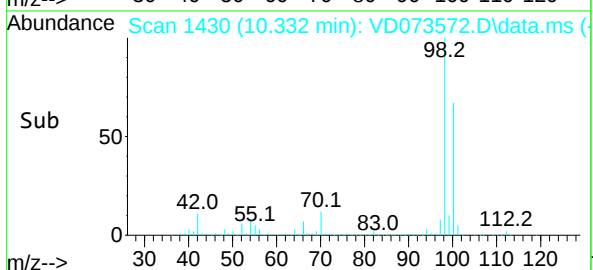
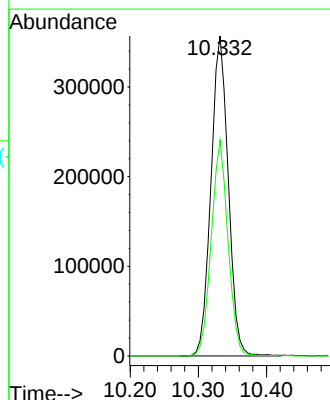
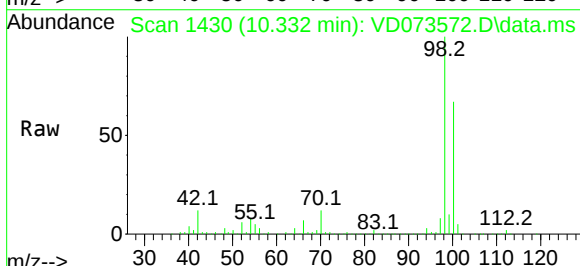
Acq: 14 Jun 2022 16:36

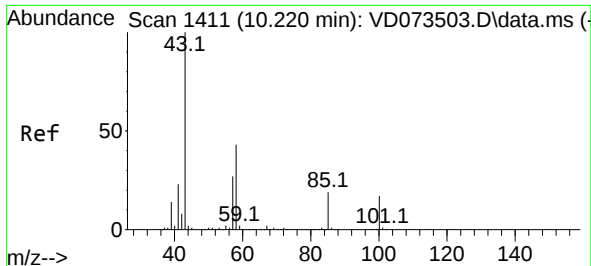
Tgt Ion: 98 Resp: 630709

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

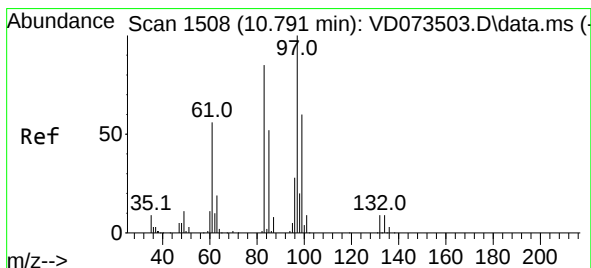
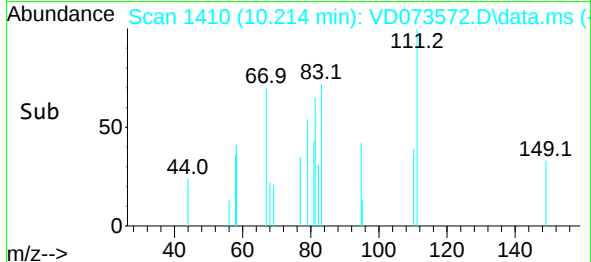
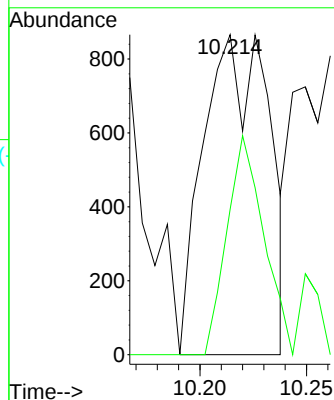
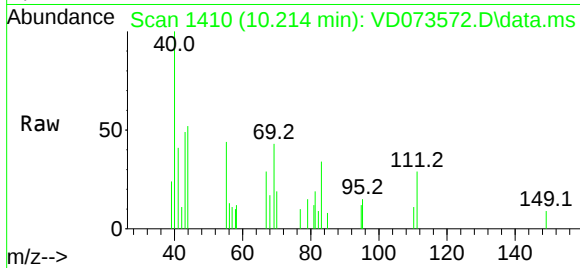




#51
4-Methyl-2-Pentanone
Concen: 1.027 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

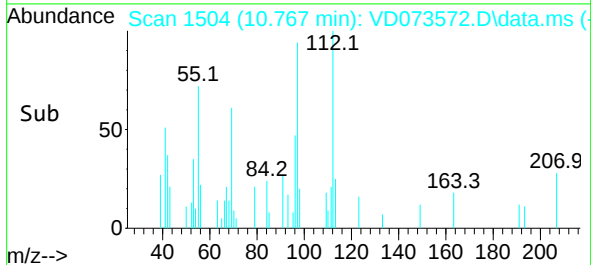
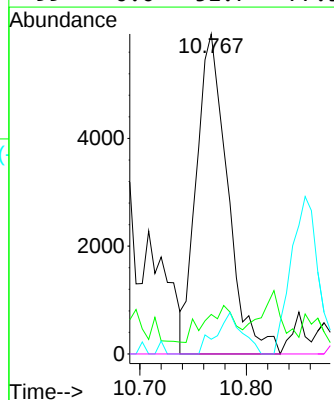
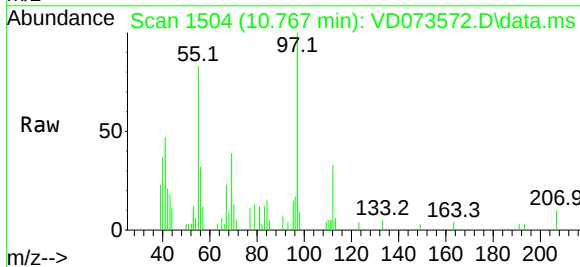
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

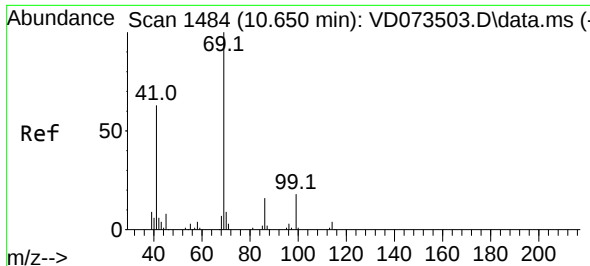
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 38.5 28.6 43.0



#55
1,1,2-Trichloroethane
Concen: 4.540 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 97 Resp: 12069
Ion Ratio Lower Upper
97 100
83 8.6 69.0 103.4#
85 4.6 42.6 63.8#
99 0.0 51.7 77.5#

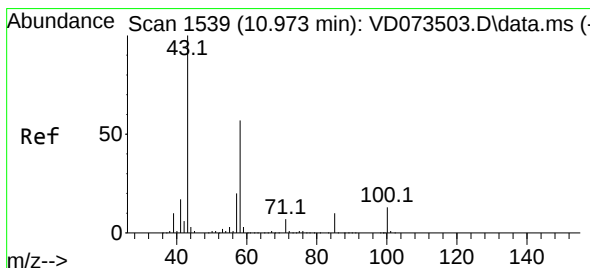
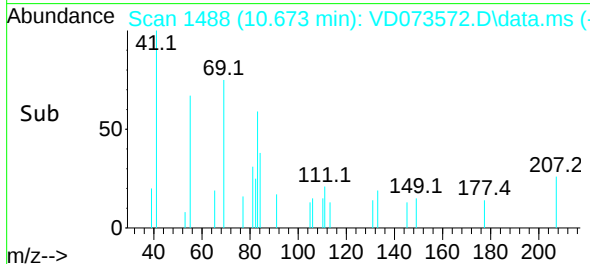
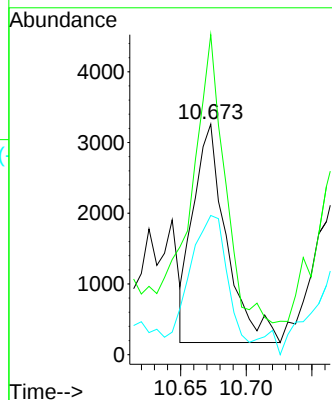
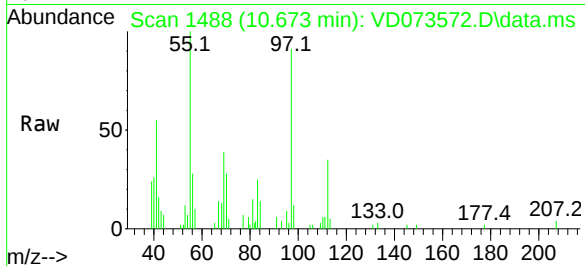




#56
Ethyl methacrylate
Concen: 1.784 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.023 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

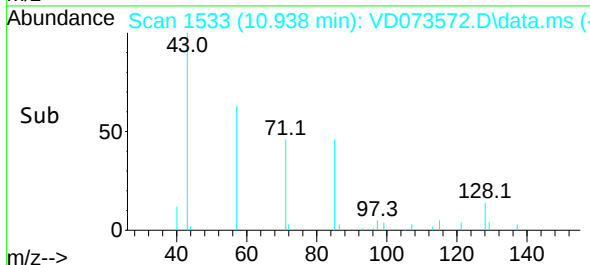
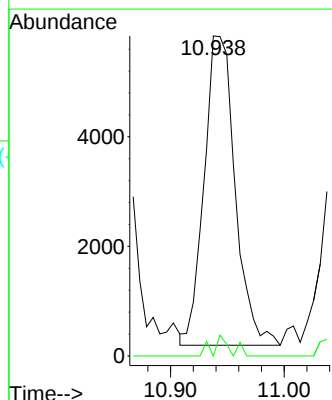
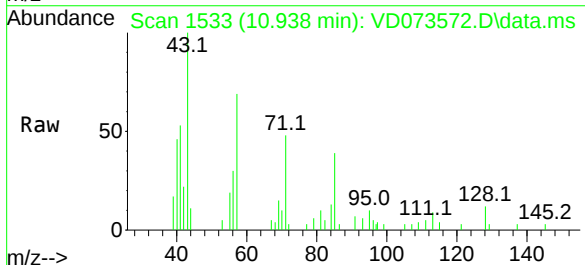
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

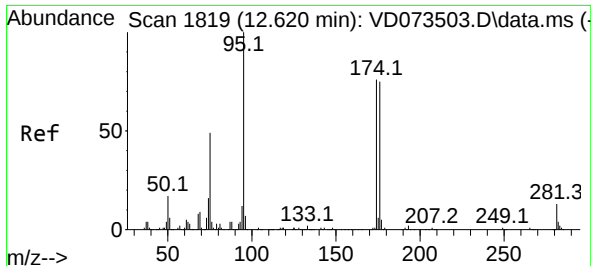
Tgt Ion: 69 Resp: 5432
Ion Ratio Lower Upper
69 100
41 129.5 63.0 94.6#
39 67.7 33.8 50.8#



#59
2-Hexanone
Concen: 8.661 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.035 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 43 Resp: 10709
Ion Ratio Lower Upper
43 100
58 2.8 25.3 75.9#

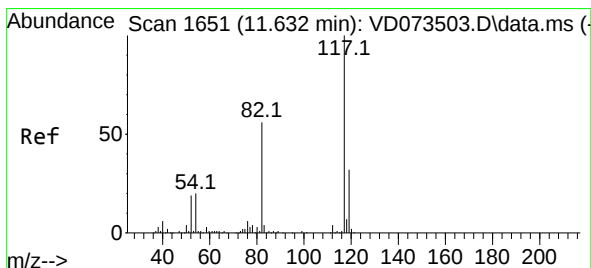
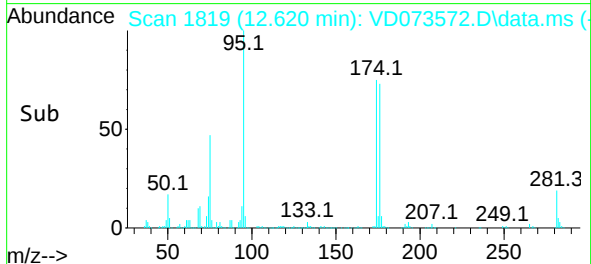
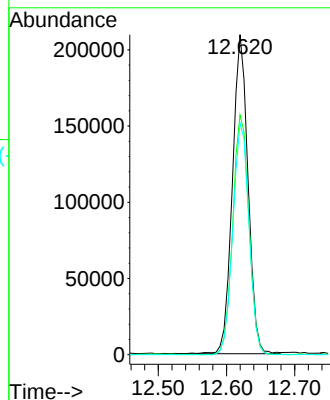
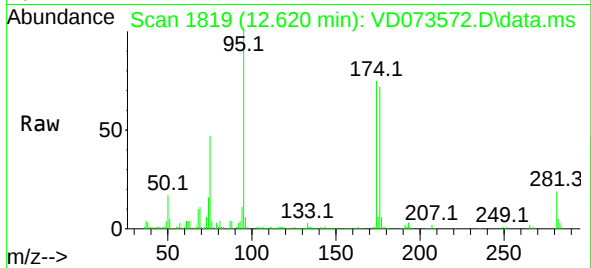




#62
4-Bromofluorobenzene
Concen: 79.440 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

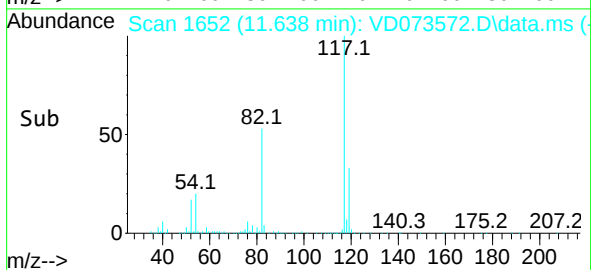
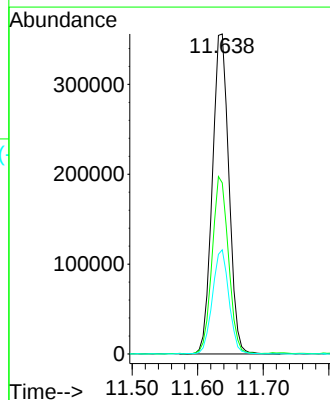
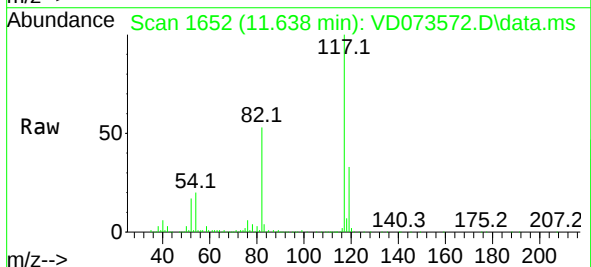
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

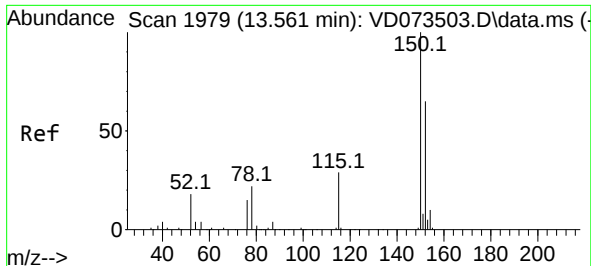
Tgt Ion: 95 Resp: 333318
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 75.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 117 Resp: 624221
Ion Ratio Lower Upper
117 100
82 53.3 45.3 67.9
119 32.5 26.6 40.0

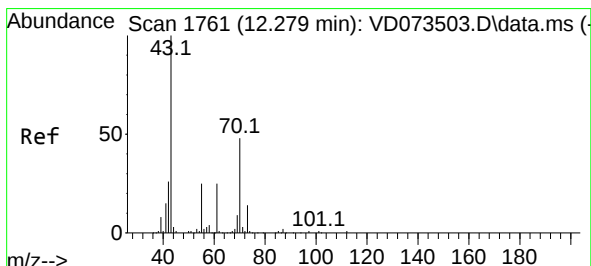
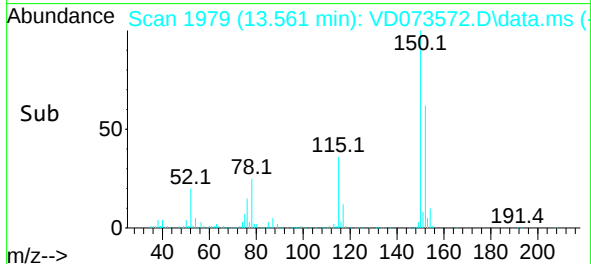
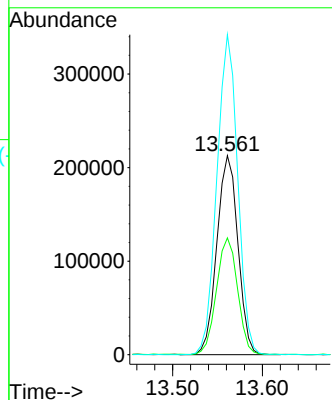
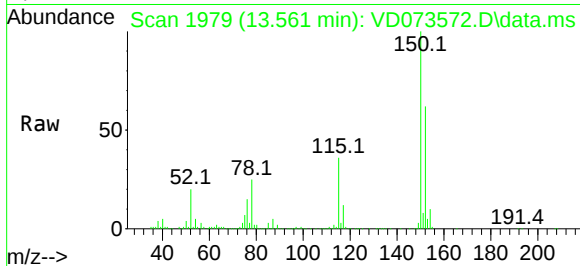




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

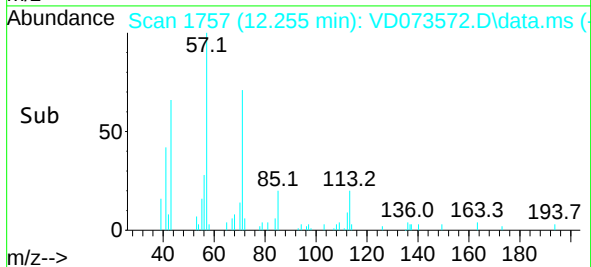
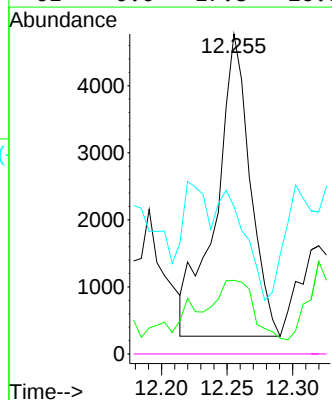
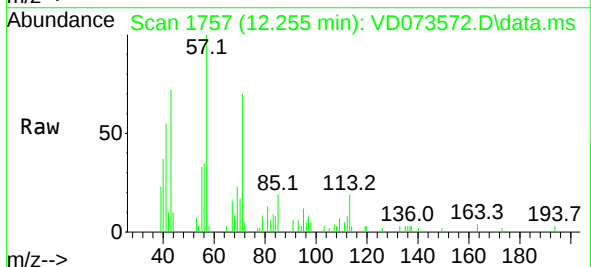
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

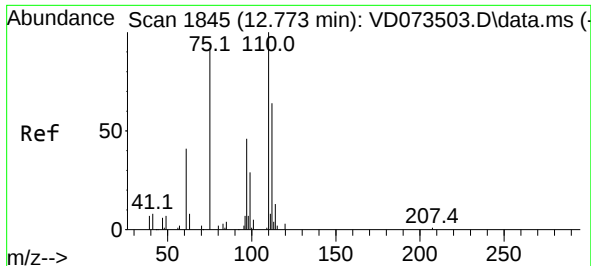
Tgt Ion:152 Resp: 346912
Ion Ratio Lower Upper
152 100
115 58.6 31.3 93.8
150 158.9 0.0 348.6



#74
N-ethyl acetate
Concen: 1.522 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 43 Resp: 8141
Ion Ratio Lower Upper
43 100
70 21.8 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

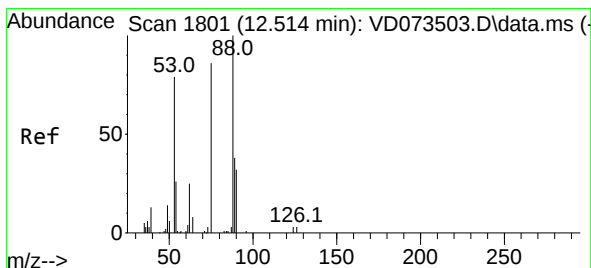
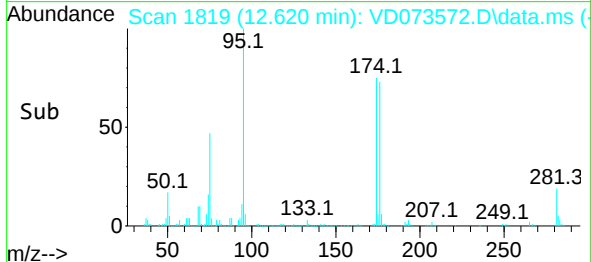
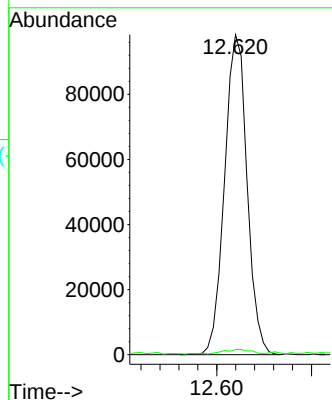
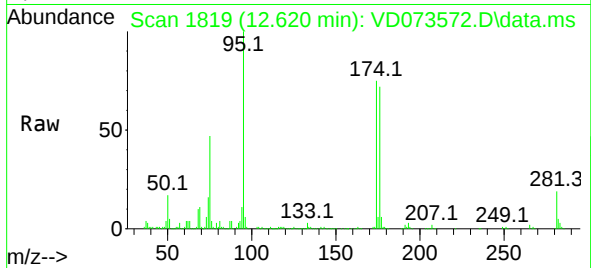




#76
1,2,3-Trichloropropane
Concen: 48.178 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

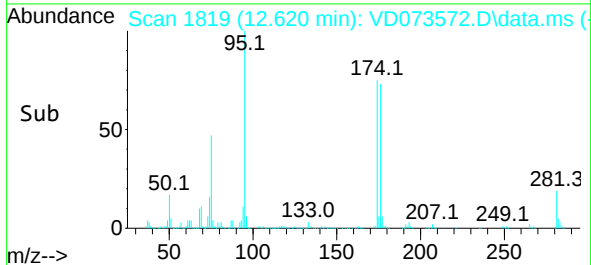
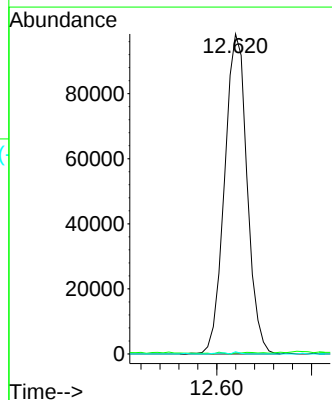
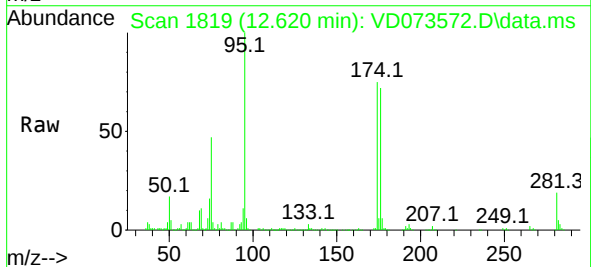
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

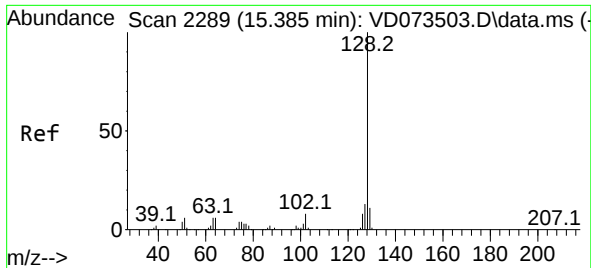
Tgt Ion: 75 Resp: 162366
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.082 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073572.D
Acq: 14 Jun 2022 16:36

Tgt Ion: 75 Resp: 162366
Ion Ratio Lower Upper
75 100
53 0.5 86.5 129.7#
89 0.2 33.9 50.9#





#95

Naphthalene

Concen: 4.245 ug/l

RT: 15.384 min Scan# 21

Delta R.T. -0.001 min

Lab File: VD073572.D

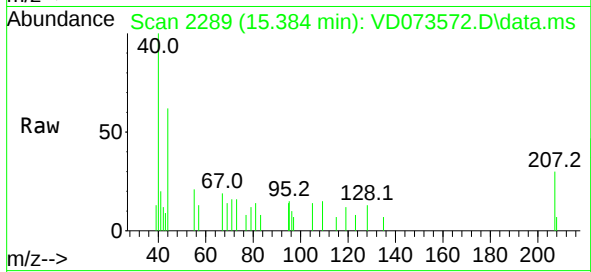
Acq: 14 Jun 2022 16:36

Instrument :

MSVOA_D

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 563

Ion Ratio Lower Upper

128 100

127 30.0 10.3 15.5#

129 0.0 8.4 12.6#

