

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073079.D
 Acq On : 18 May 2022 02:45
 Operator : VA/SY
 Sample : N2830-01
 Misc : 5.00 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:14:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

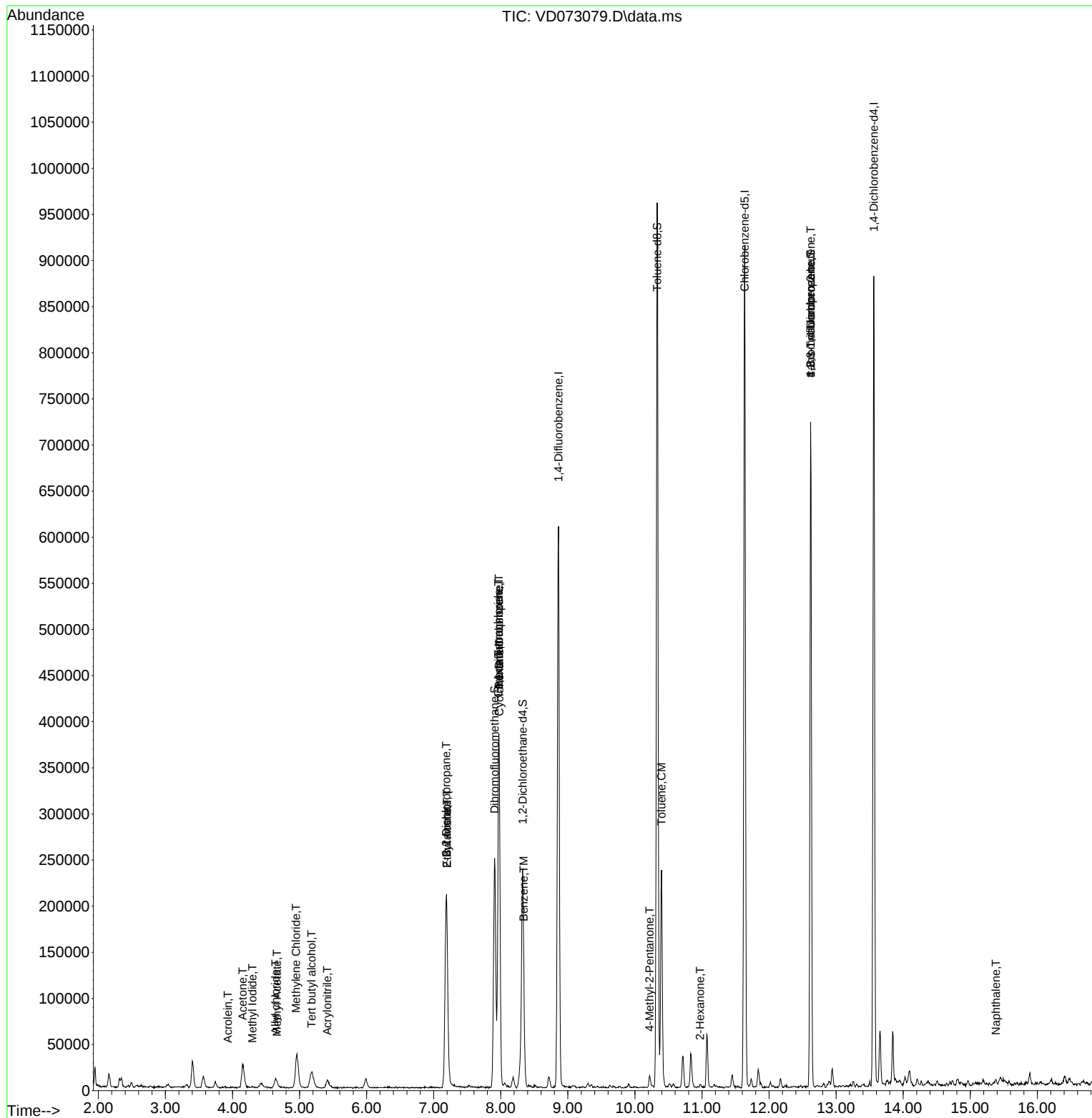
Internal Standards						
1) Pentafluorobenzene	7.973	168	276558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	515201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	528566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170760	49.373	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.740%		
35) Dibromofluoromethane	7.908	113	178895	49.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.920%		
50) Toluene-d8	10.332	98	639142	48.705	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.400%		
62) 4-Bromofluorobenzene	12.620	95	230045	48.400	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.800%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	574	4.407	ug/l #	51
11) Tert butyl alcohol	5.179	59	19076	35.659	ug/l #	74
13) Acrolein	3.932	56	56	13.235	ug/l #	1
14) Allyl chloride	4.644	41	17416	3.421	ug/l #	37
15) Acrylonitrile	5.414	53	10705	13.604	ug/l	97
16) Acetone	4.150	43	44642	71.327	ug/l #	89
18) Methyl Acetate	4.661	43	82	1.502	ug/l #	55
20) Methylene Chloride	4.950	84	28102	6.186	ug/l	86
25) 2-Butanone	7.197	43	21932	23.141	ug/l #	82
26) 2,2-Dichloropropane	7.185	77	13828	2.403	ug/l #	54
31) Cyclohexane	7.979	56	9650	1.549	ug/l #	52
36) 1,1-Dichloropropene	7.973	75	23429	3.975	ug/l #	52
37) Ethyl Acetate	7.197	43	21932	8.860	ug/l #	41
38) Carbon Tetrachloride	7.967	117	28555	4.735	ug/l #	17
40) Benzene	8.344	78	35972	2.134	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	7931	3.302	ug/l	96
52) Toluene	10.396	92	99538	9.303	ug/l	95
59) 2-Hexanone	10.973	43	2713	1.710	ug/l	68
76) 1,2,3-Trichloropropane	12.620	75	116448	44.324	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	116448	106.278	ug/l #	7
95) Naphthalene	15.384	128	5128	4.778	ug/l #	87

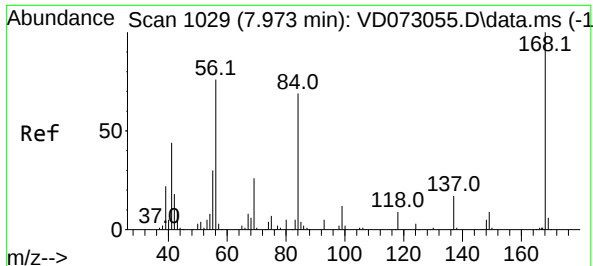
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
Data File : VD073079.D
Acq On : 18 May 2022 02:45
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ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

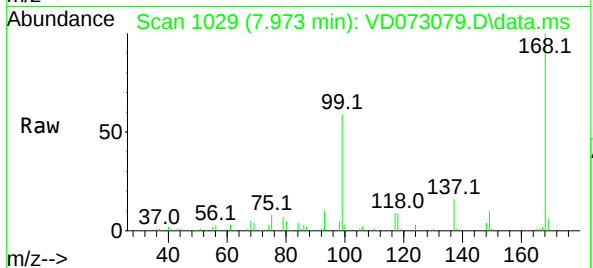
Quant Time: May 18 05:14:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration



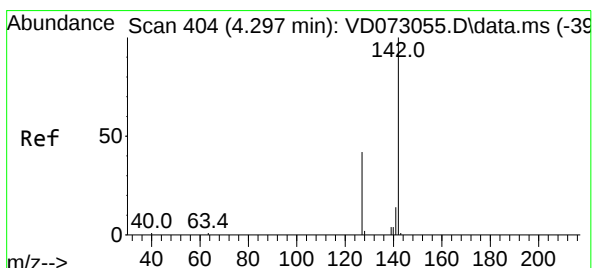
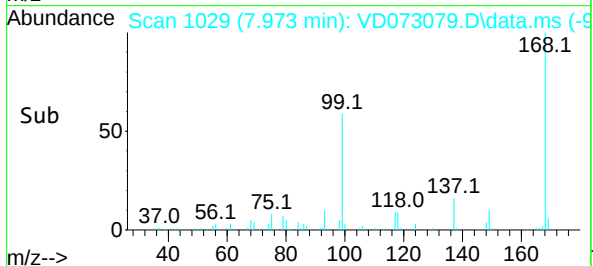
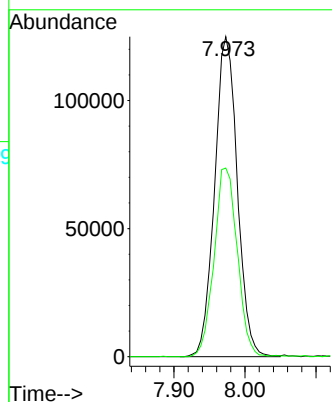


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Instrument :
MSVOA_D
ClientSampleId :

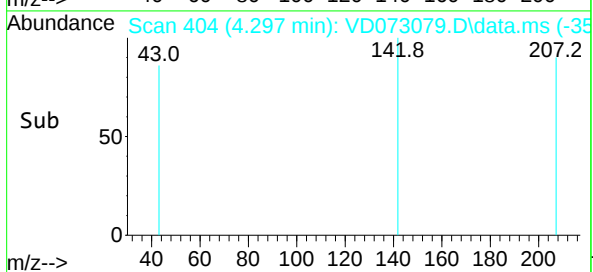
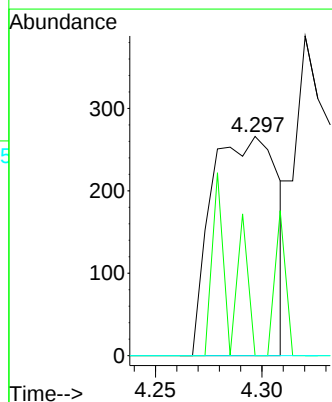
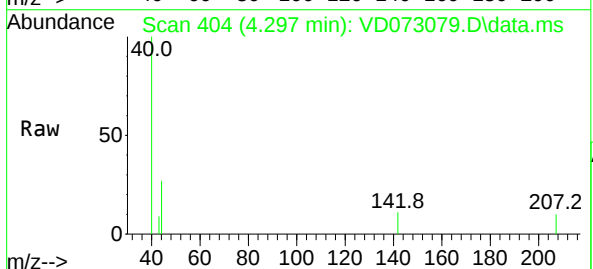


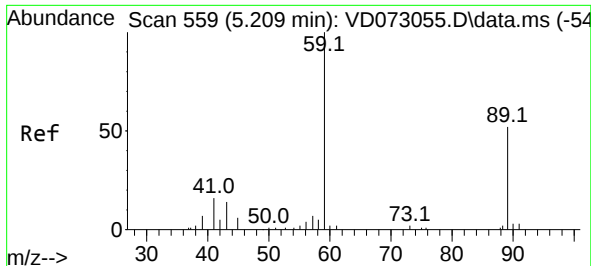
Tgt Ion:168 Resp: 276558
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#10
Methyl Iodide
Concen: 4.407 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion:142 Resp: 574
Ion Ratio Lower Upper
142 100
127 10.8 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 35.659 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073079.D

Acq: 18 May 2022 02:45

Instrument :

MSVOA_D

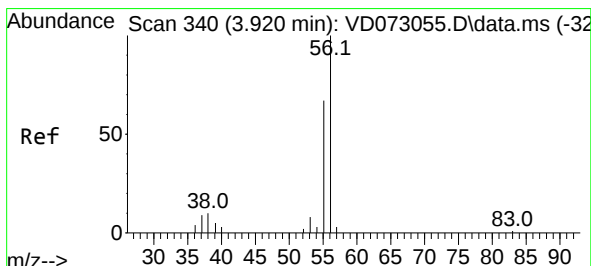
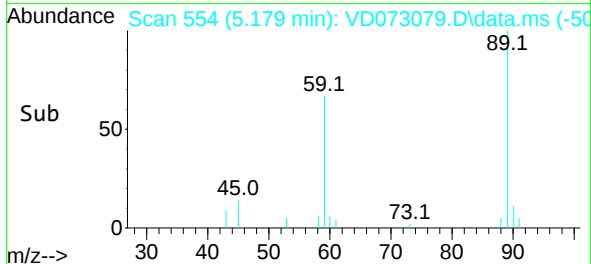
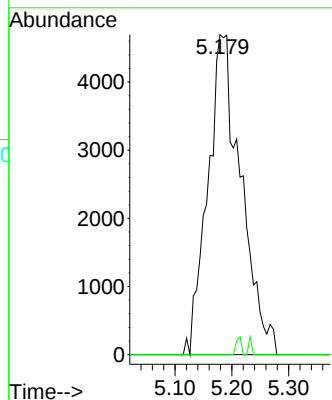
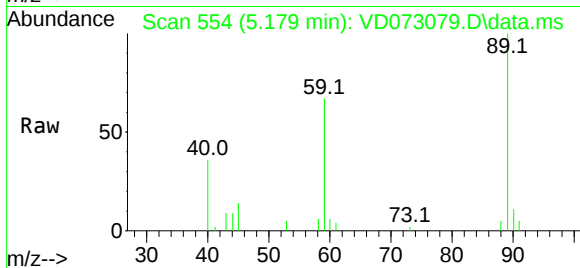
ClientSampleId :

Tgt Ion: 59 Resp: 19076

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: 13.235 ug/l

RT: 3.932 min Scan# 342

Delta R.T. 0.012 min

Lab File: VD073079.D

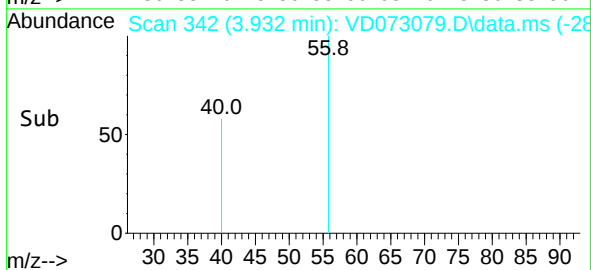
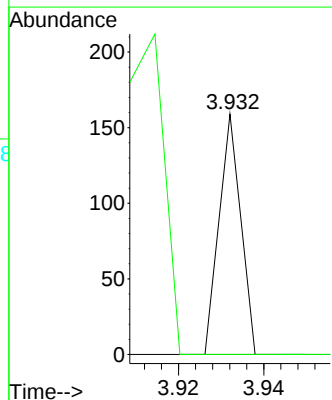
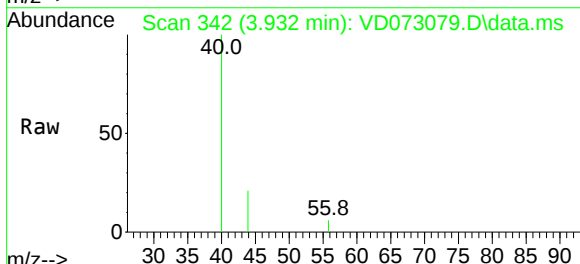
Acq: 18 May 2022 02:45

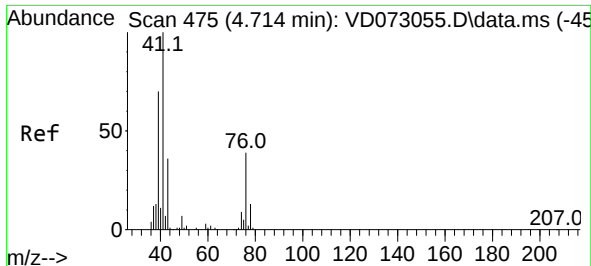
Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

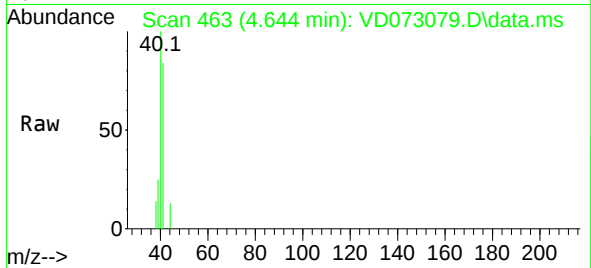
55 246.4 57.1 85.7#



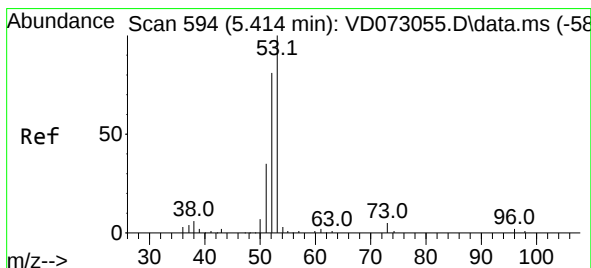
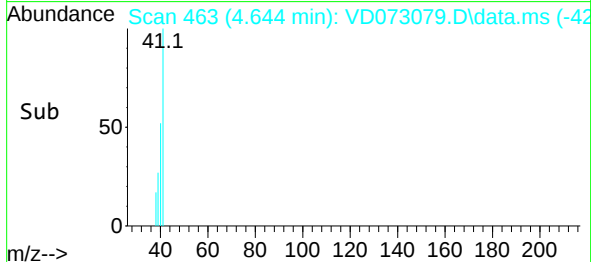
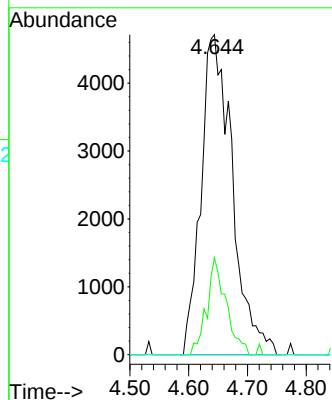


#14
 Allyl chloride
 Concen: 3.421 ug/l
 RT: 4.644 min Scan# 41
 Delta R.T. -0.071 min
 Lab File: VD073079.D
 Acq: 18 May 2022 02:45

Instrument :
 MSVOA_D
 ClientSampleId :

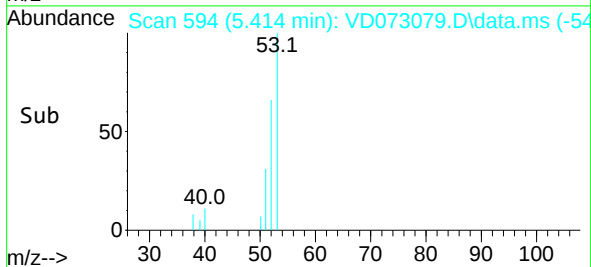
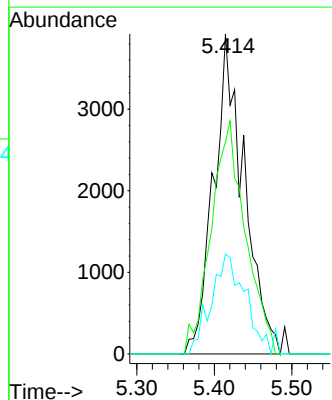
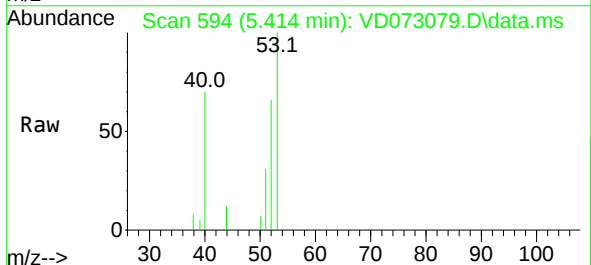


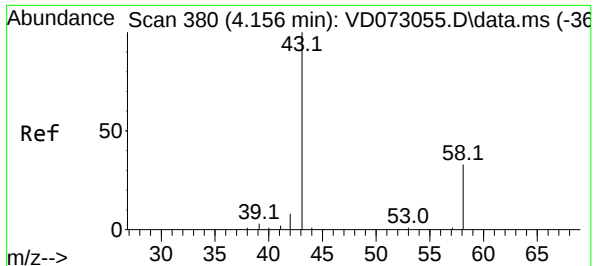
Tgt Ion: 41 Resp: 17416
 Ion Ratio Lower Upper
 41 100
 39 18.8 59.3 88.9#
 76 0.0 25.7 38.5#



#15
 Acrylonitrile
 Concen: 13.604 ug/l
 RT: 5.414 min Scan# 594
 Delta R.T. -0.000 min
 Lab File: VD073079.D
 Acq: 18 May 2022 02:45

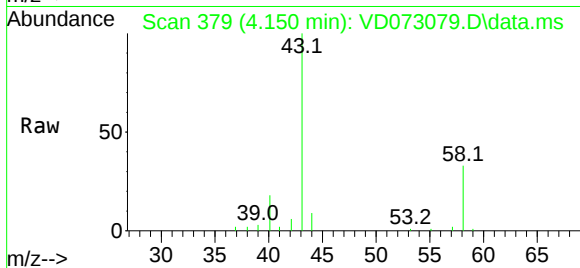
Tgt Ion: 53 Resp: 10705
 Ion Ratio Lower Upper
 53 100
 52 81.8 67.2 100.8
 51 34.8 30.3 45.5



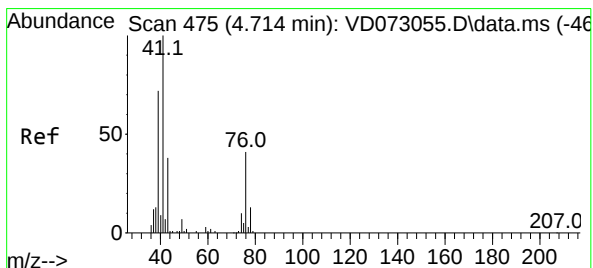
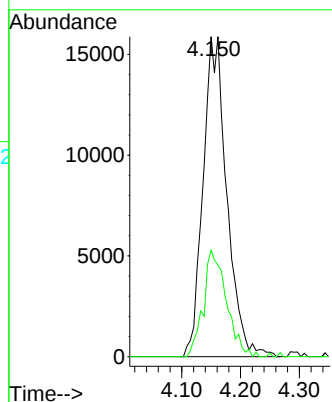
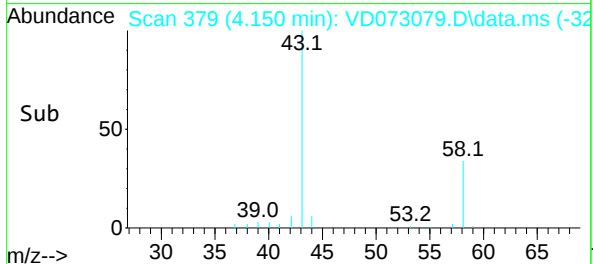


#16
Acetone
Concen: 71.327 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Instrument :
MSVOA_D
ClientSampleId :

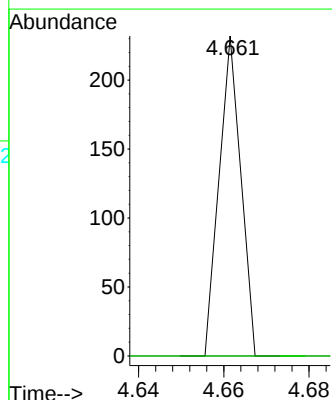
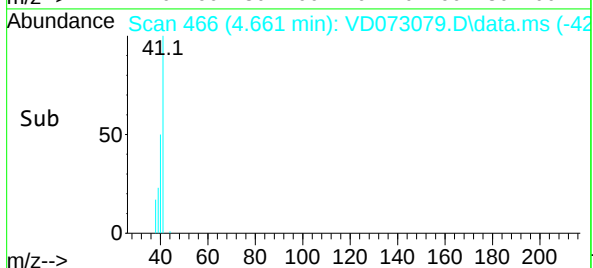
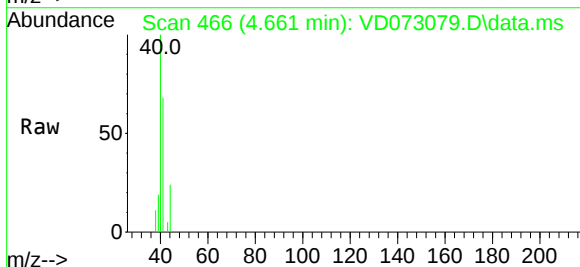


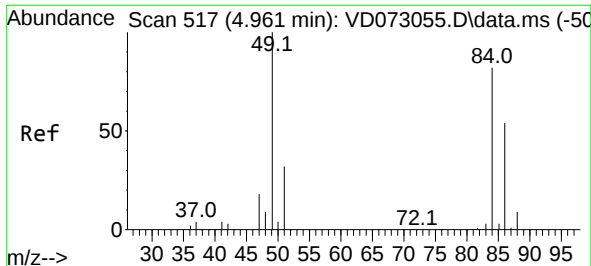
Tgt Ion: 43 Resp: 44642
Ion Ratio Lower Upper
43 100
58 33.3 22.1 33.1#



#18
Methyl Acetate
Concen: 1.502 ug/l
RT: 4.661 min Scan# 466
Delta R.T. -0.053 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

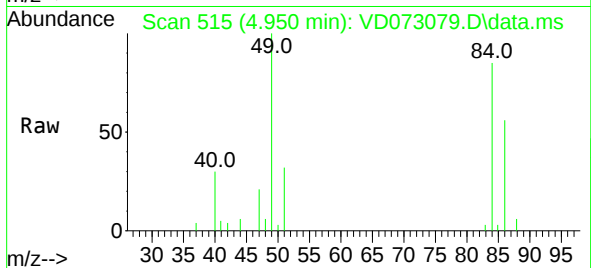
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



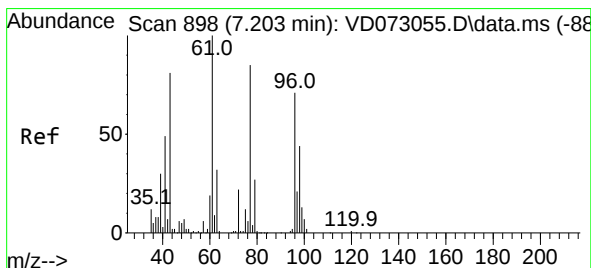
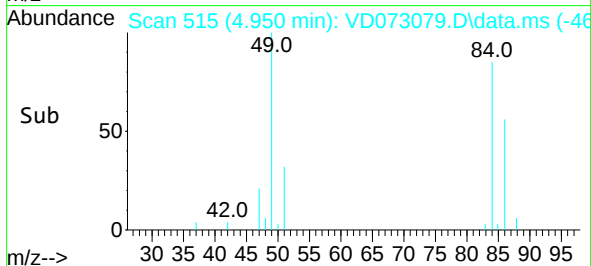
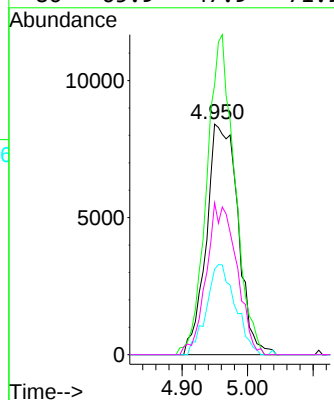


#20
Methylene Chloride
Concen: 6.186 ug/l
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Instrument :
MSVOA_D
ClientSampleId :

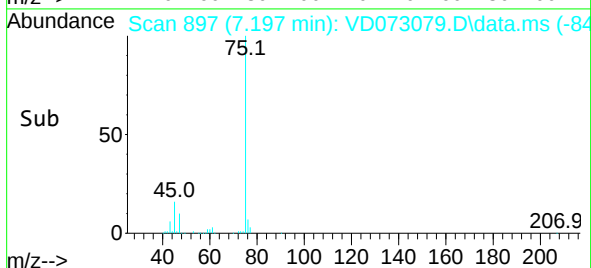
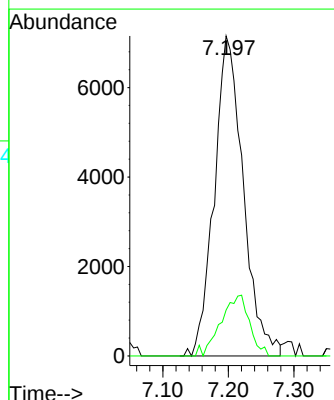
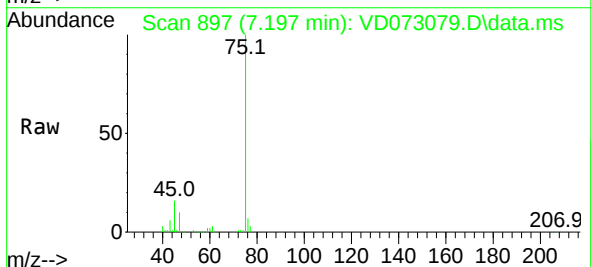


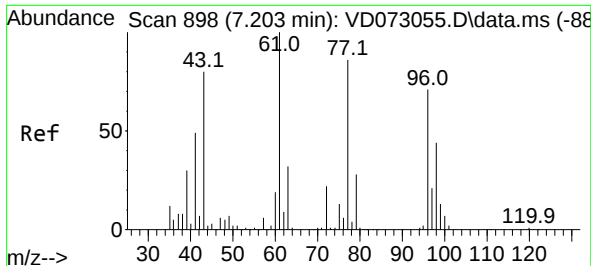
Tgt Ion:	84	Resp:	28102
Ion	Ratio	Lower	Upper
84	100		
49	117.0	112.8	169.2
51	37.1	32.6	48.8
86	65.9	47.9	71.9



#25
2-Butanone
Concen: 23.141 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion:	43	Resp:	21932
Ion	Ratio	Lower	Upper
43	100		
72	14.4	18.6	27.8#

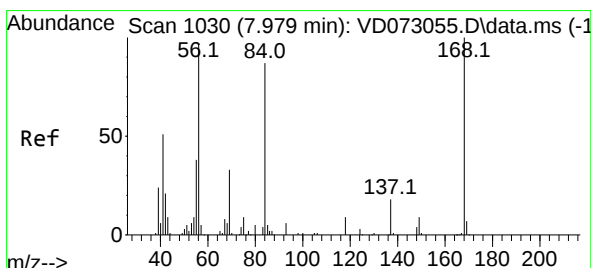
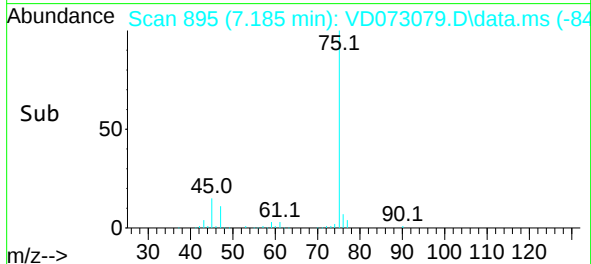
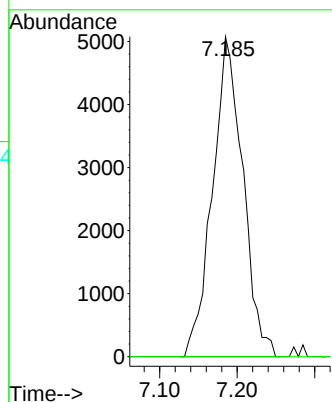
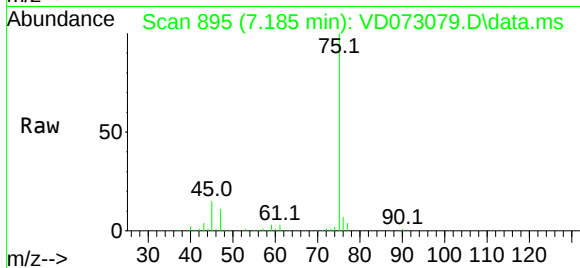




#26
2,2-Dichloropropane
Concen: 2.403 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

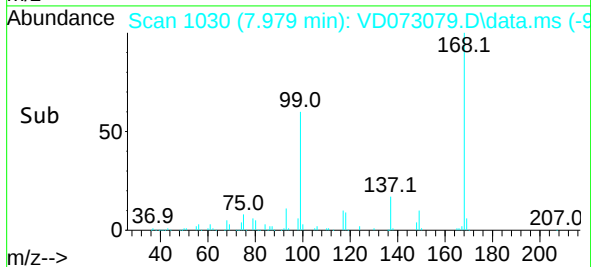
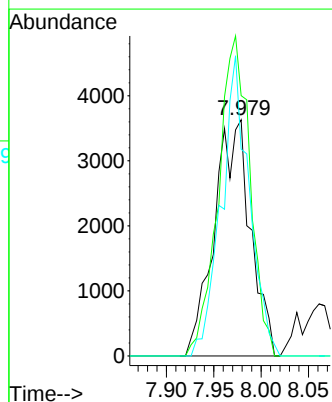
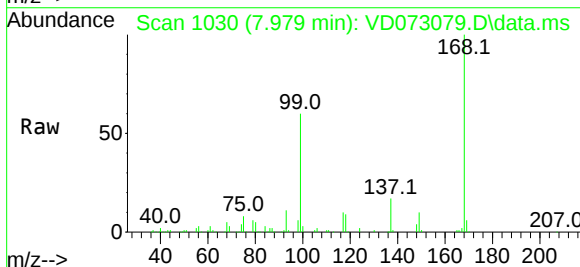
Instrument :
MSVOA_D
ClientSampleId :

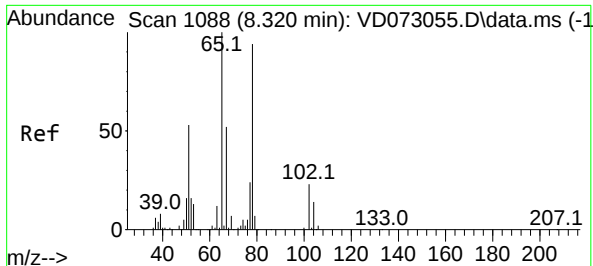
Tgt Ion: 77 Resp: 13828
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: 1.549 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion: 56 Resp: 9650
Ion Ratio Lower Upper
56 100
69 110.2 25.4 38.2#
84 87.5 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 49.373 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD073079.D

Acq: 18 May 2022 02:45

Instrument :

MSVOA_D

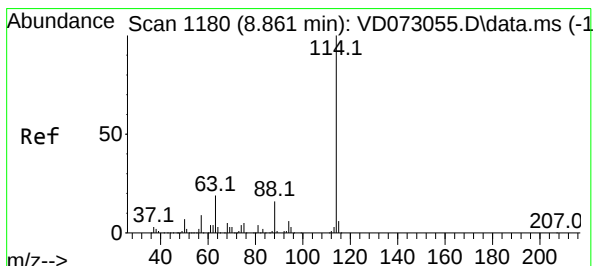
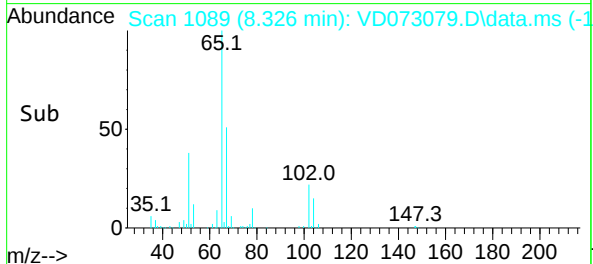
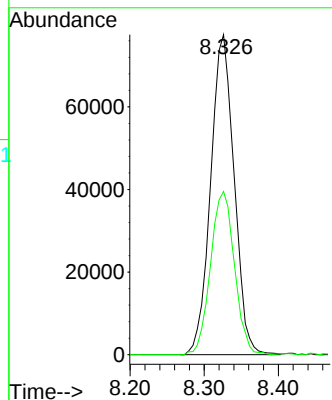
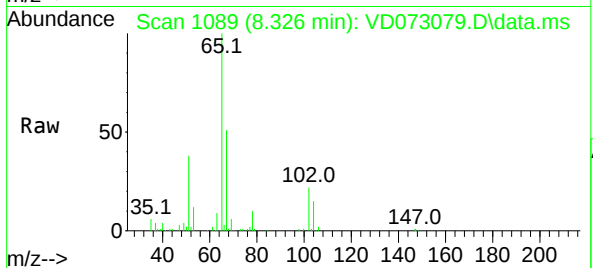
ClientSampleId :

Tgt Ion: 65 Resp: 170760

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073079.D

Acq: 18 May 2022 02:45

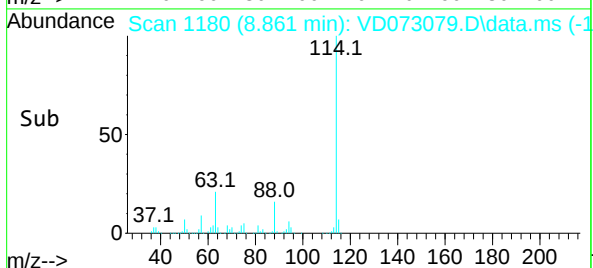
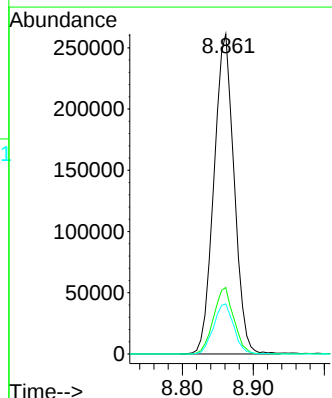
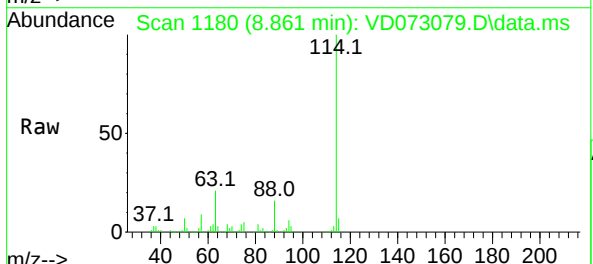
Tgt Ion: 114 Resp: 515201

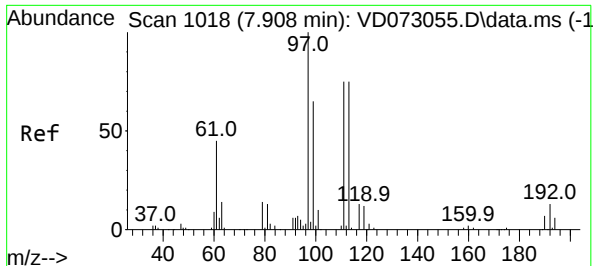
Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.456 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

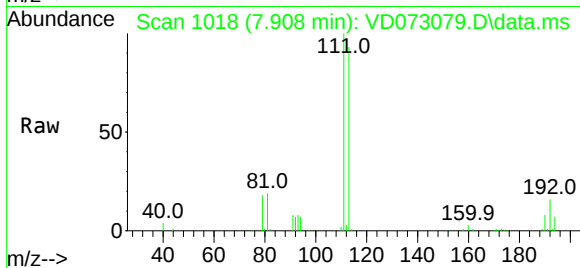
Lab File: VD073079.D

Acq: 18 May 2022 02:45

Instrument :

MSVOA_D

ClientSampleId :



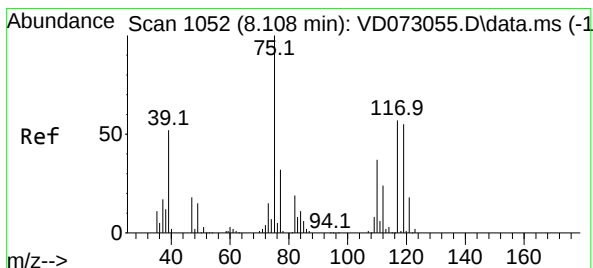
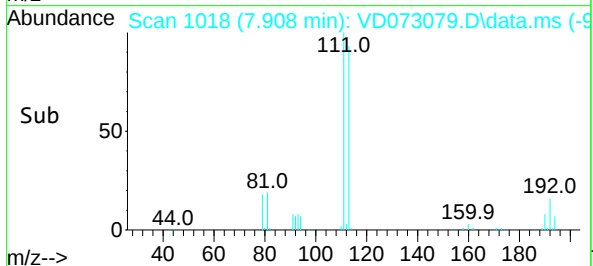
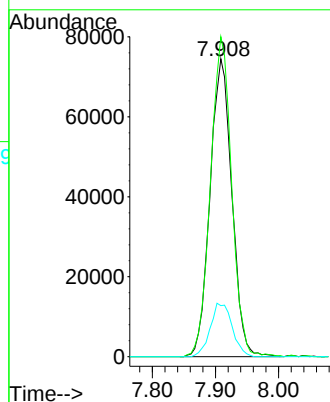
Tgt Ion:113 Resp: 178895

Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 18.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.975 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073079.D

Acq: 18 May 2022 02:45

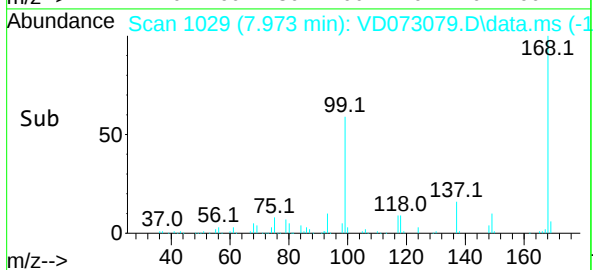
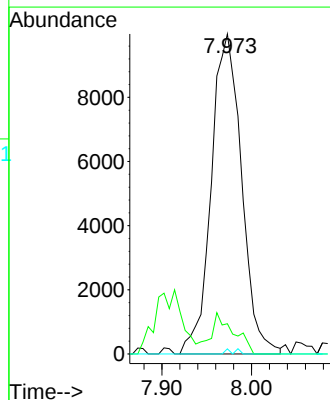
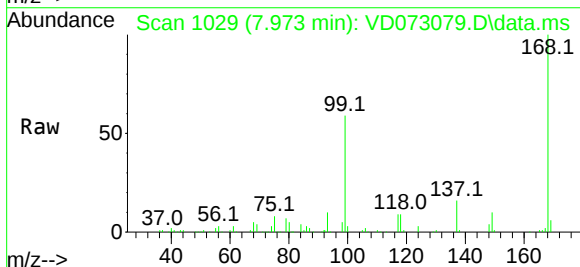
Tgt Ion: 75 Resp: 23429

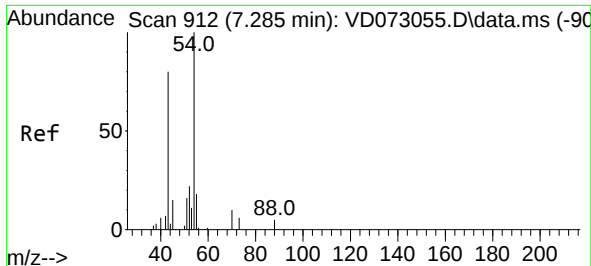
Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.1#

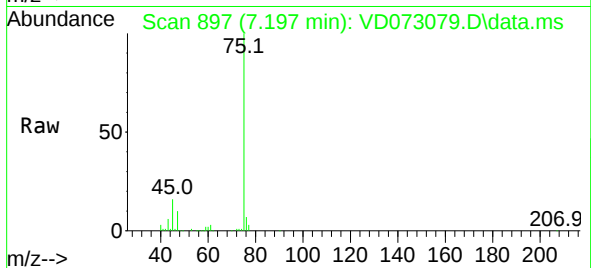
77 0.0 24.2 36.2#



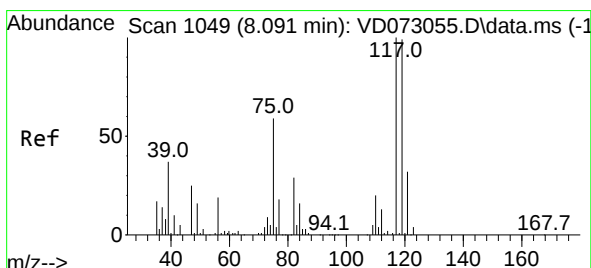
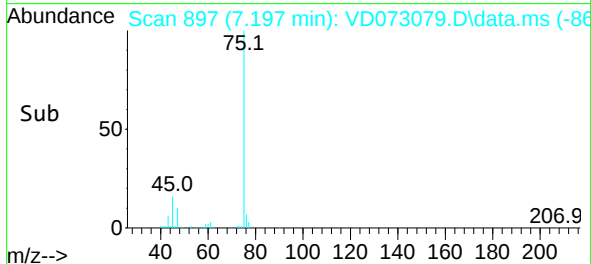
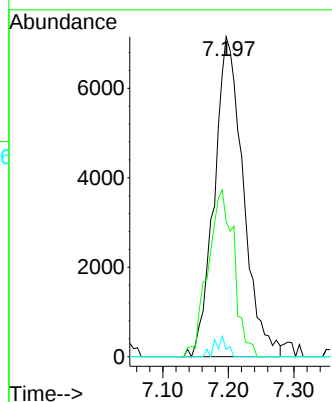


#37
Ethyl Acetate
Concen: 8.860 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.088 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Instrument :
MSVOA_D
ClientSampleId :

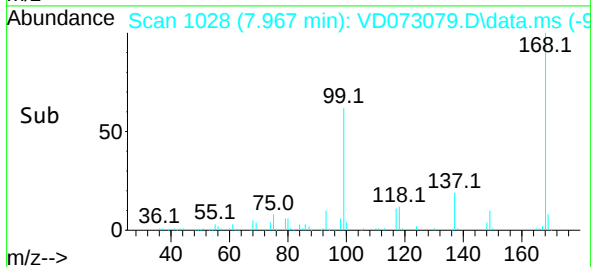
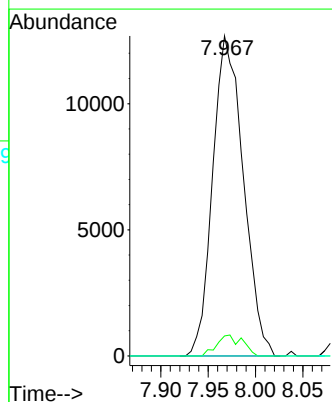
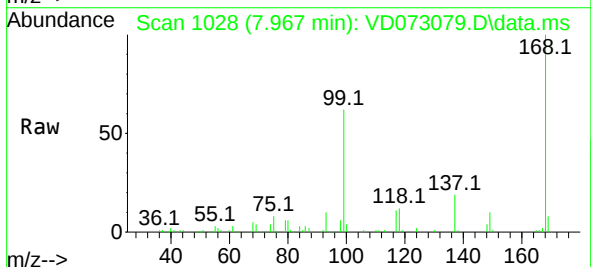


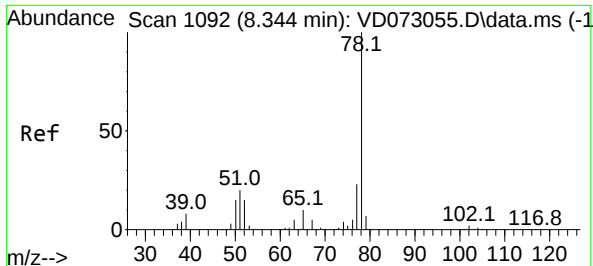
Tgt Ion: 43 Resp: 21932
Ion Ratio Lower Upper
43 100
61 46.8 9.8 14.8#
70 2.5 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.735 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion: 117 Resp: 28555
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.5 36.7#

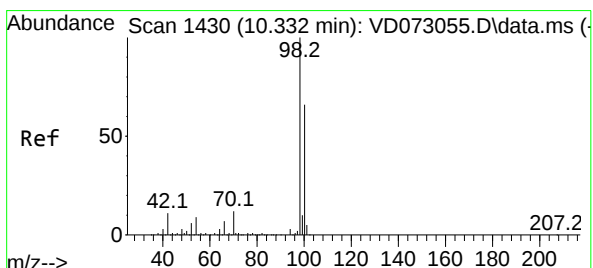
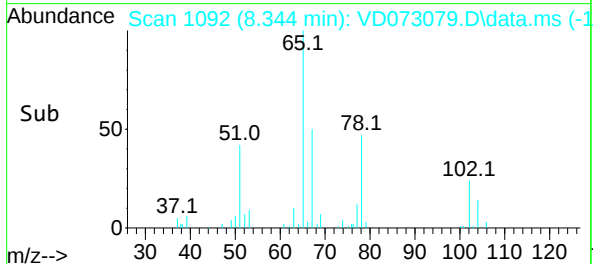
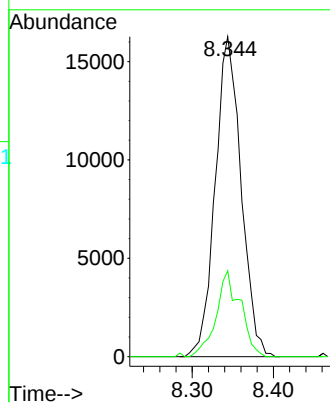
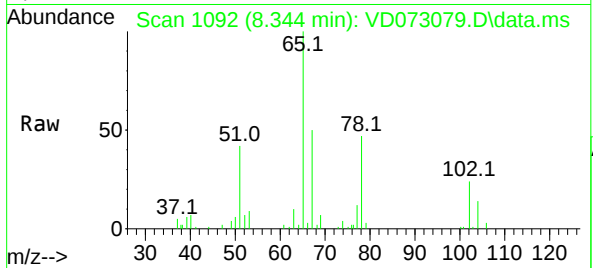




#40
Benzene
Concen: 2.134 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

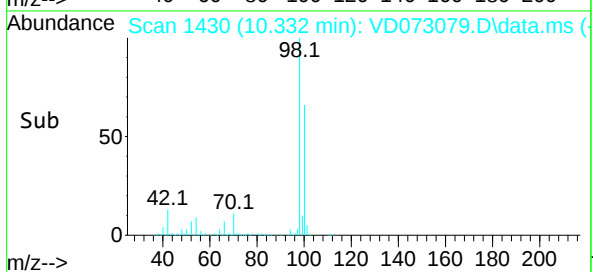
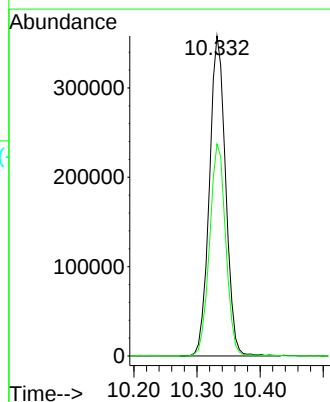
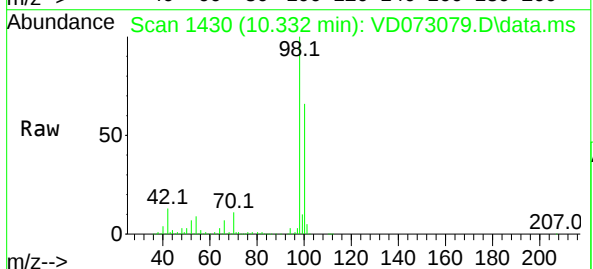
Instrument :
MSVOA_D
ClientSampleId :

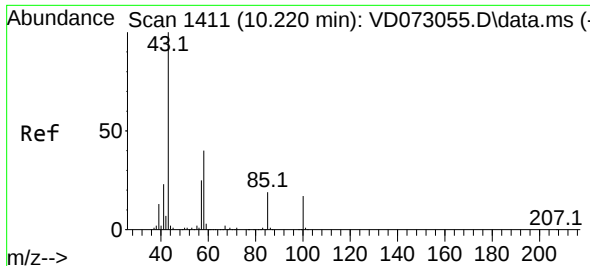
Tgt Ion: 78 Resp: 35972
Ion Ratio Lower Upper
78 100
77 26.8 19.1 28.7



#50
Toluene-d8
Concen: 48.705 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion: 98 Resp: 639142
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

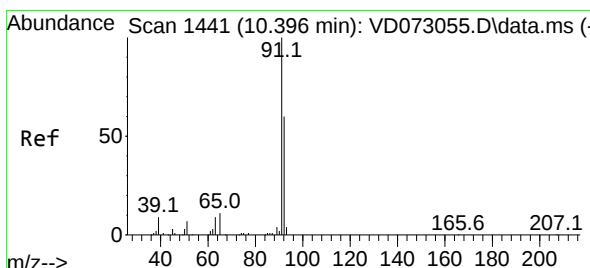
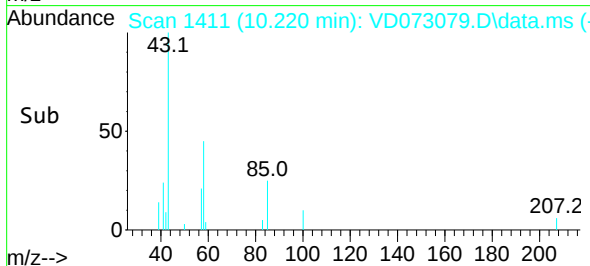
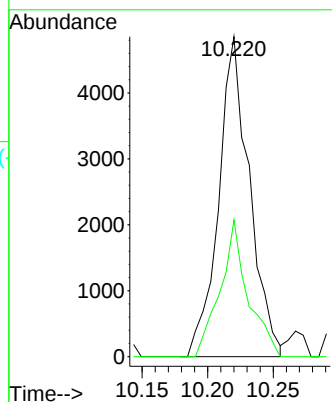
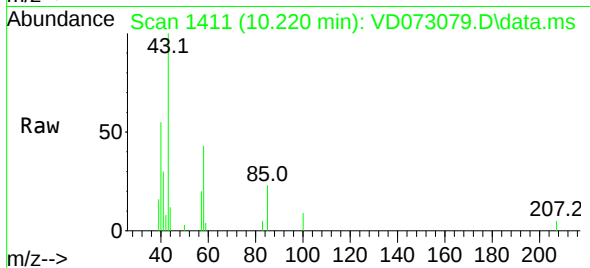




#51
4-Methyl-2-Pentanone
Concen: 3.302 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

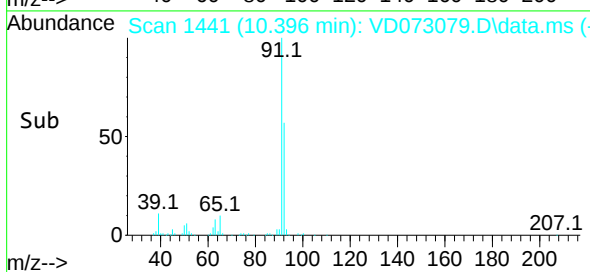
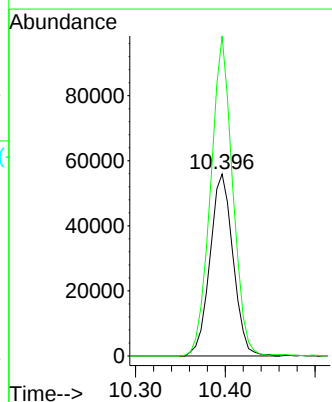
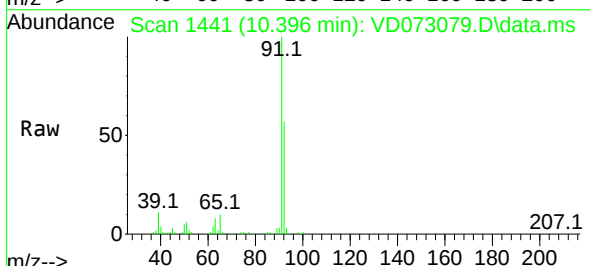
Instrument :
MSVOA_D
ClientSampleId :

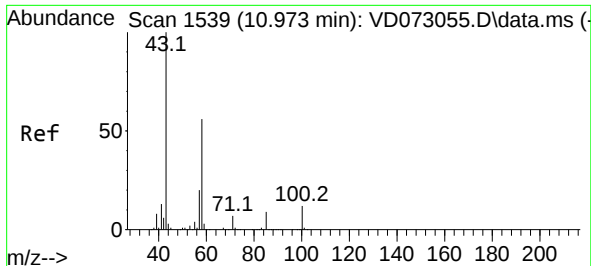
Tgt Ion: 43 Resp: 7931
Ion Ratio Lower Upper
43 100
58 38.3 28.6 43.0



#52
Toluene
Concen: 9.303 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion: 92 Resp: 99538
Ion Ratio Lower Upper
92 100
91 167.9 139.6 209.4

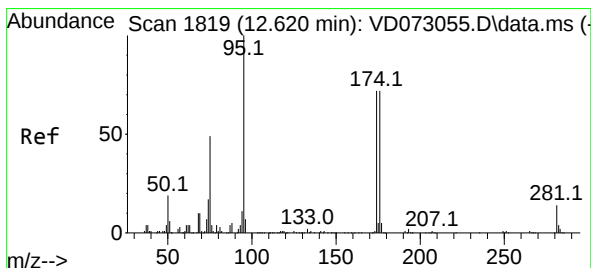
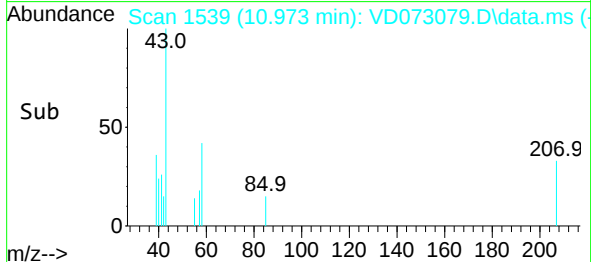
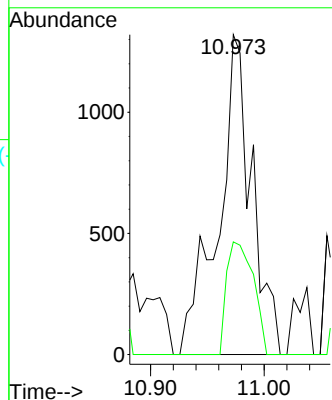
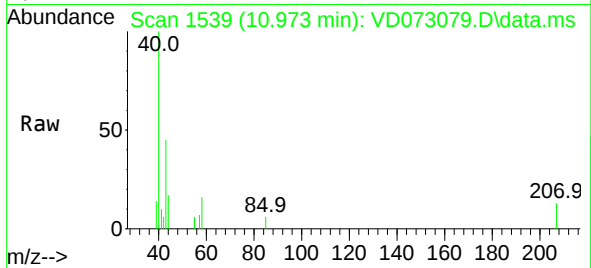




#59
2-Hexanone
Concen: 1.710 ug/l
RT: 10.973 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

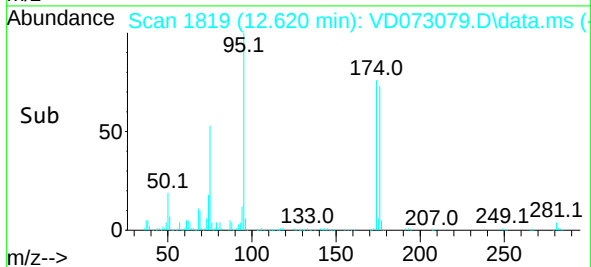
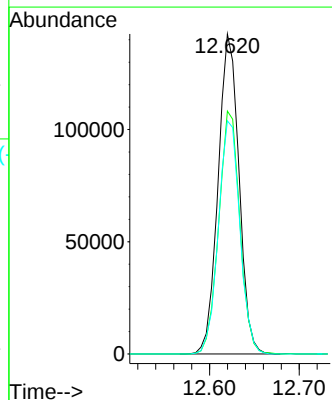
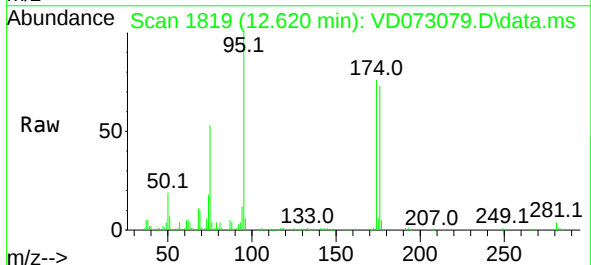
Instrument :
MSVOA_D
ClientSampleId :

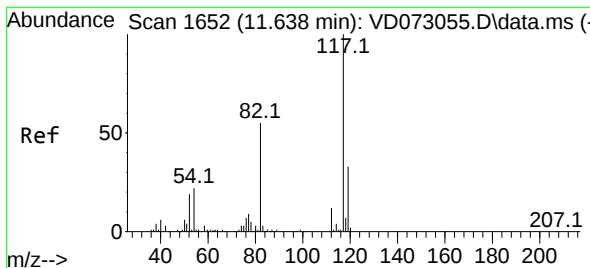
Tgt Ion: 43 Resp: 2713
Ion Ratio Lower Upper
43 100
58 28.1 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 48.400 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Tgt Ion: 95 Resp: 230045
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 74.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

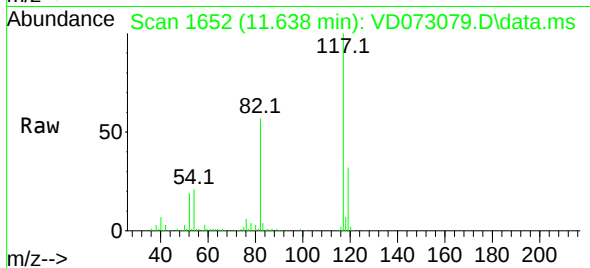
Lab File: VD073079.D

Acq: 18 May 2022 02:45

Instrument :

MSVOA_D

ClientSampleId :



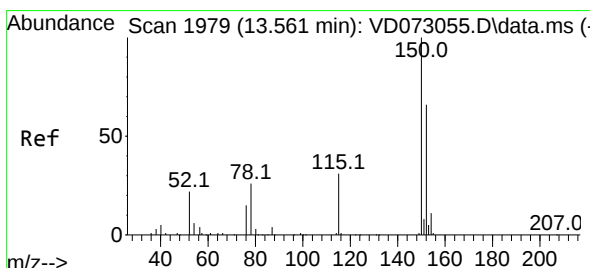
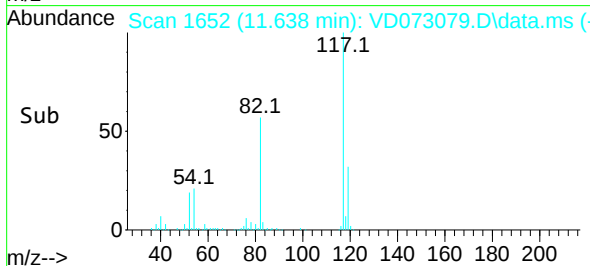
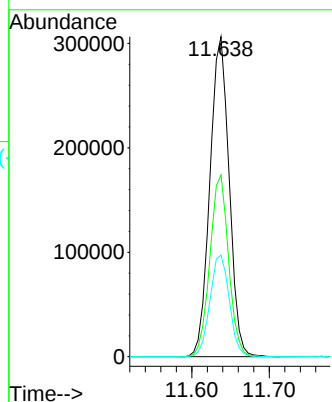
Tgt Ion:117 Resp: 528566

Ion Ratio Lower Upper

117 100

82 56.8 45.3 67.9

119 31.8 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: VD073079.D

Acq: 18 May 2022 02:45

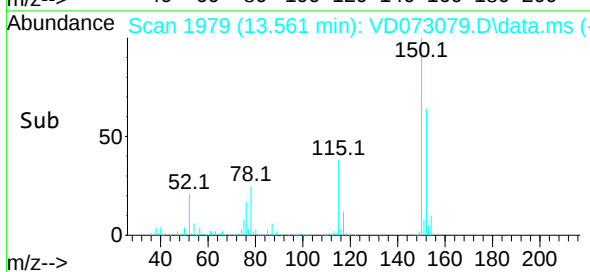
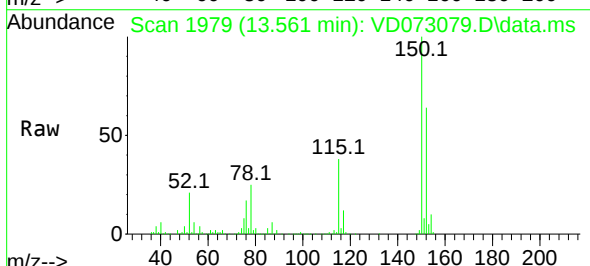
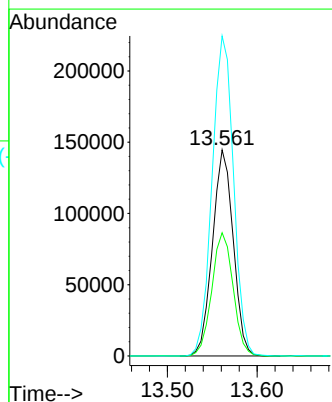
Tgt Ion:152 Resp: 232407

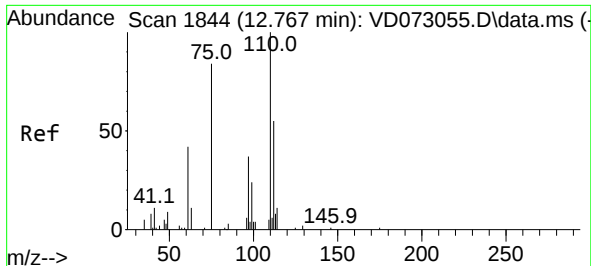
Ion Ratio Lower Upper

152 100

115 61.3 31.3 93.8

150 160.1 0.0 348.6

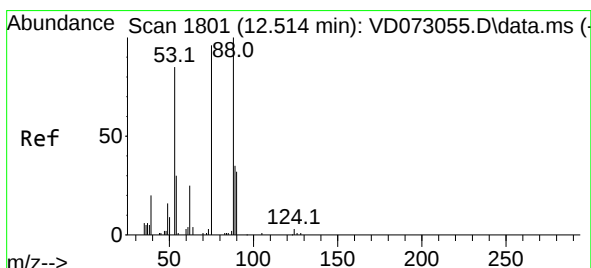
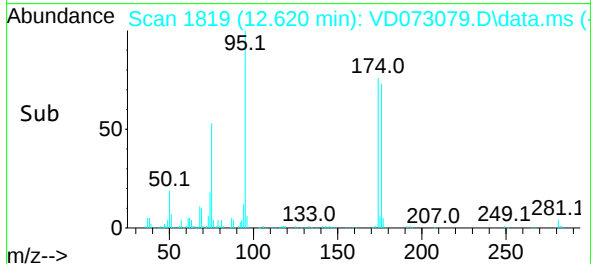
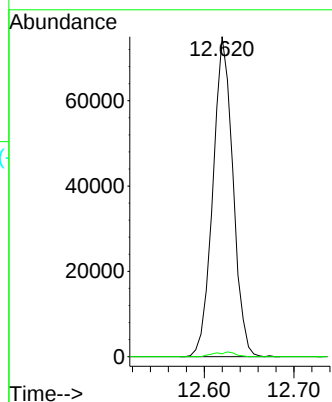
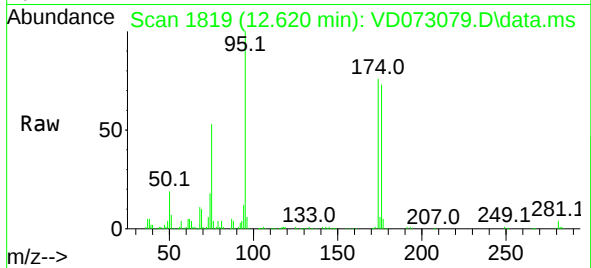




#76
1,2,3-Trichloropropane
Concen: 44.324 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

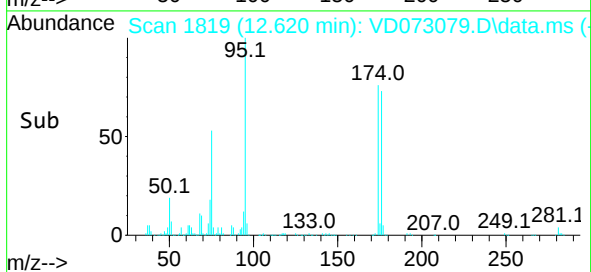
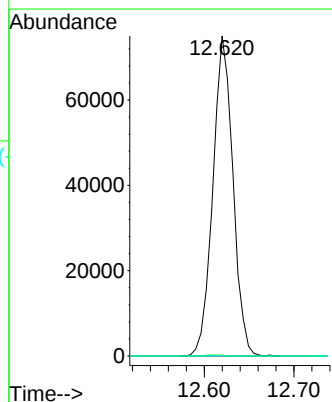
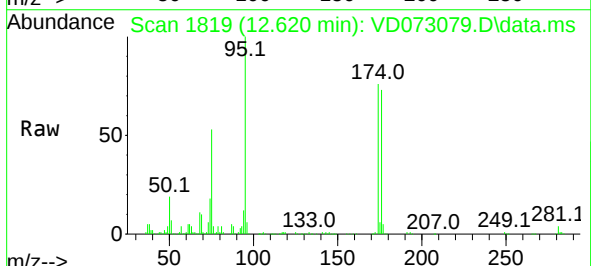
Instrument :
MSVOA_D
ClientSampleId :

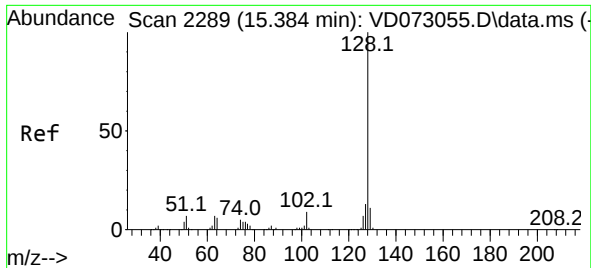
Tgt Ion: 75 Resp: 116448
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.278 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

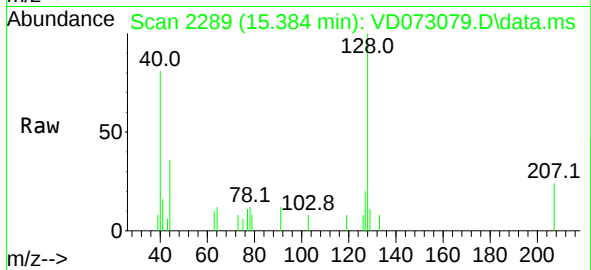
Tgt Ion: 75 Resp: 116448
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 4.778 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073079.D
Acq: 18 May 2022 02:45

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 5128
Ion Ratio Lower Upper
128 100
127 17.0 10.3 15.5#
129 4.8 8.4 12.6#

