

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073578.D
 Acq On : 14 Jun 2022 19:33
 Operator : VA/SY
 Sample : N3331-01
 Misc : 7.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-222(26-28)

Quant Time: Jun 15 01:38:23 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)

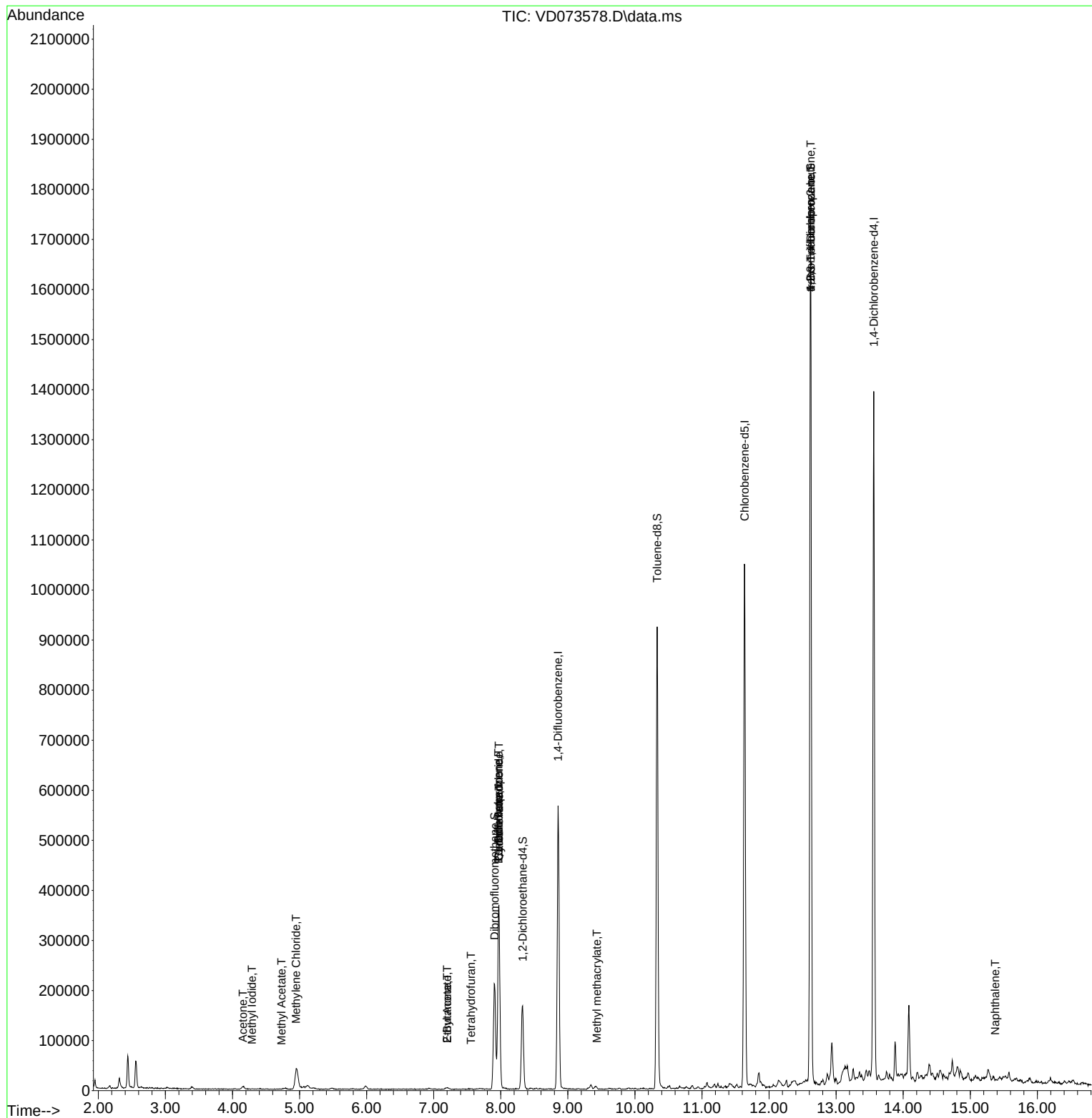
Internal Standards						
1) Pentafluorobenzene	7.967	168	267653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	484673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	635544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	369505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	134896	46.965	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.920%
35) Dibromofluoromethane	7.908	113	156989	50.371	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.740%
50) Toluene-d8	10.332	98	628286	53.319	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.640%
62) 4-Bromofluorobenzene	12.620	95	348318	81.425	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	162.860%#
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	629	4.347	ug/l #	38
11) Tert butyl alcohol	5.167	59	393	Below Cal	#	74
16) Acetone	4.155	43	8809	17.418	ug/l	99
18) Methyl Acetate	4.732	43	62	1.411	ug/l #	55
20) Methylene Chloride	4.950	84	33468	7.804	ug/l	85
25) 2-Butanone	7.202	43	3401	4.570	ug/l	98
29) Tetrahydrofuran	7.555	42	523	1.102	ug/l #	47
31) Cyclohexane	7.973	56	5801	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	22186	4.740	ug/l #	52
37) Ethyl Acetate	7.202	43	3401	1.799	ug/l #	75
38) Carbon Tetrachloride	7.973	117	28390	5.798	ug/l #	19
48) Methyl methacrylate	9.432	41	2408	1.336	ug/l #	42
76) 1,2,3-Trichloropropane	12.620	75	178606	49.757	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	178606	116.787	ug/l #	8
95) Naphthalene	15.373	128	3488	4.443	ug/l #	89

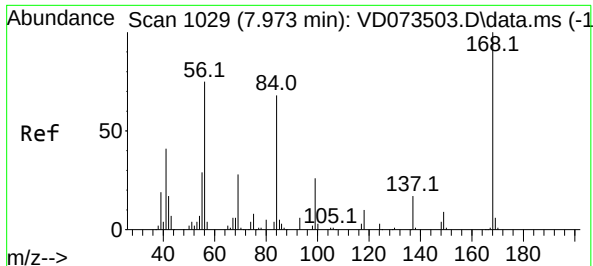
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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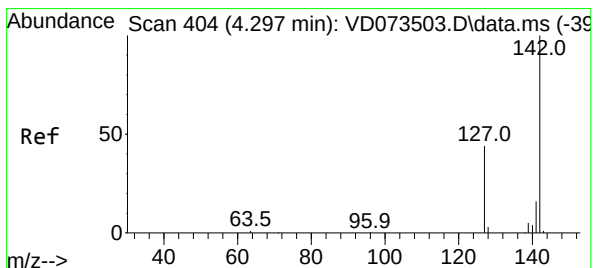
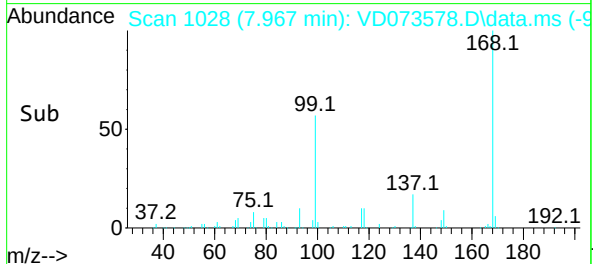
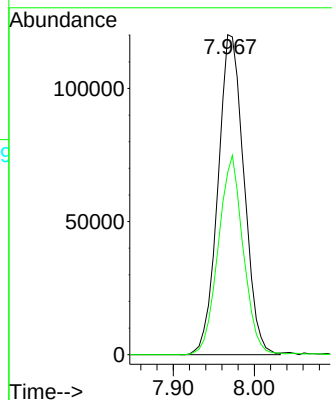
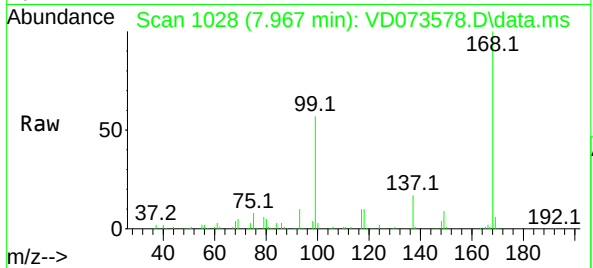




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

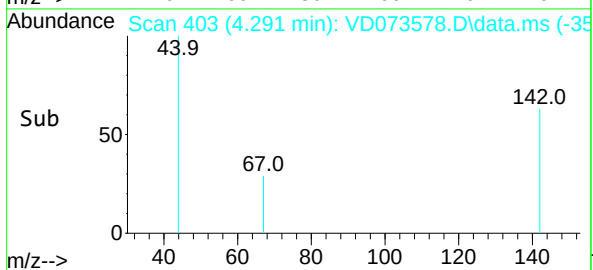
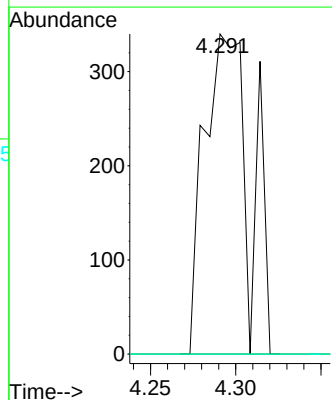
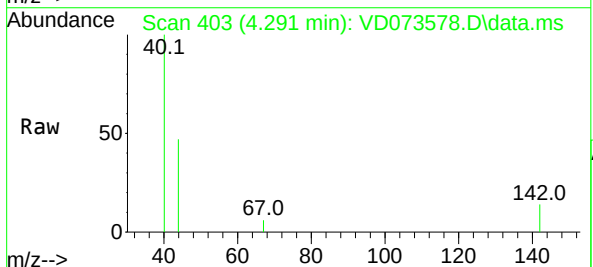
Instrument :
MSVOA_D
ClientSampleId :
B-222(26-28)

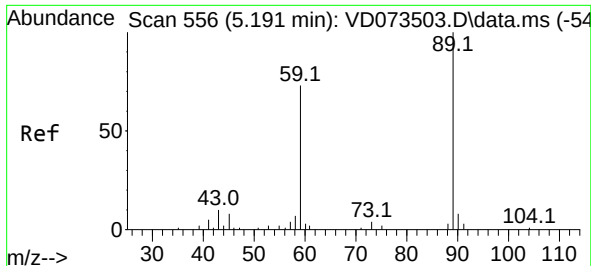
Tgt Ion:168 Resp: 267653
Ion Ratio Lower Upper
168 100
99 56.9 49.8 74.6



#10
Methyl Iodide
Concen: 4.347 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion:142 Resp: 629
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

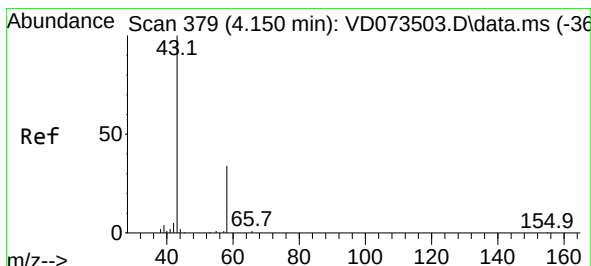
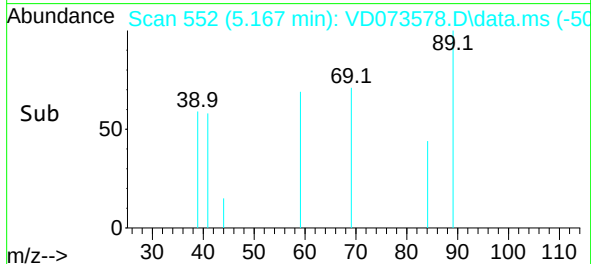
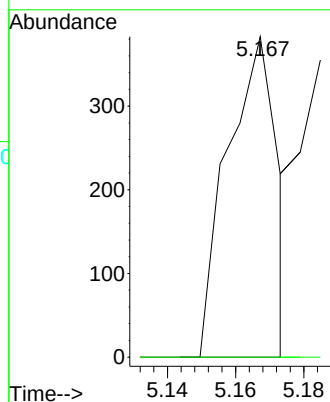
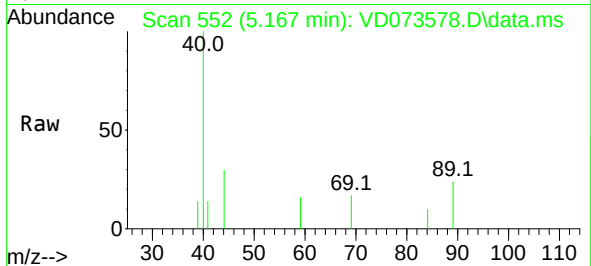




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

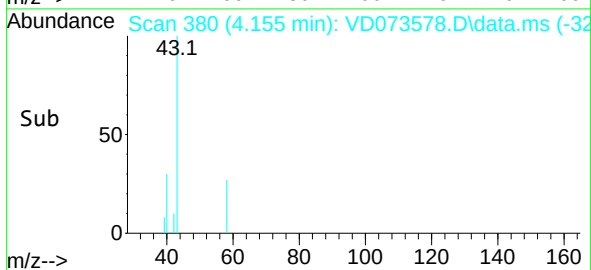
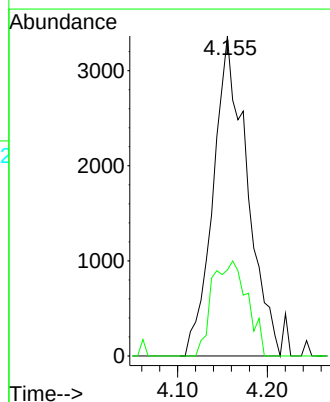
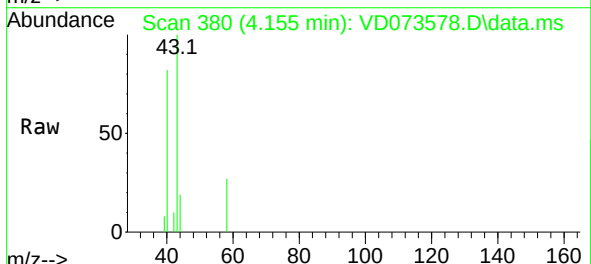
Instrument :
MSVOA_D
ClientSampleId :
B-222(26-28)

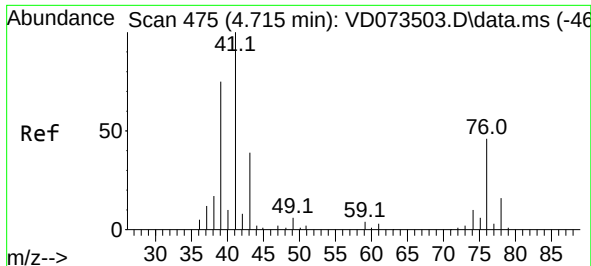
Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 17.418 ug/l
RT: 4.155 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion: 43 Resp: 8809
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1

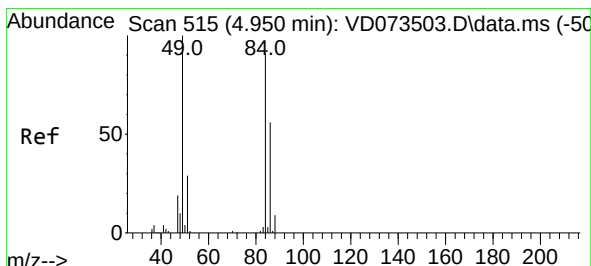
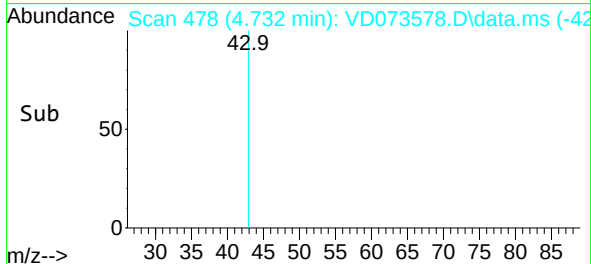
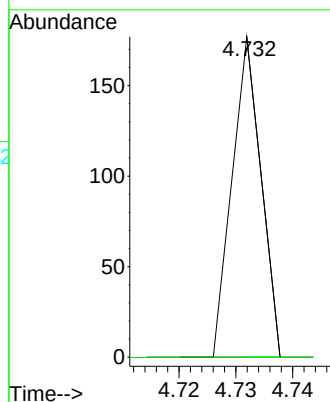
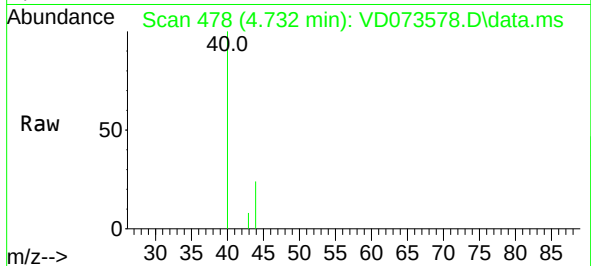




#18
Methyl Acetate
Concen: 1.411 ug/l
RT: 4.732 min Scan# 41
Delta R.T. 0.017 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

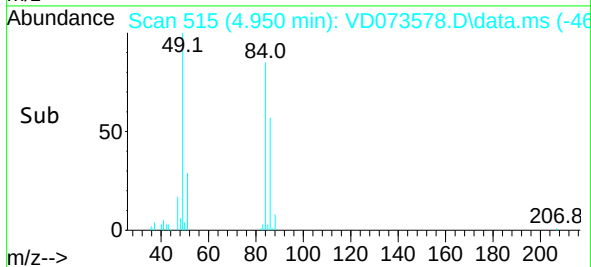
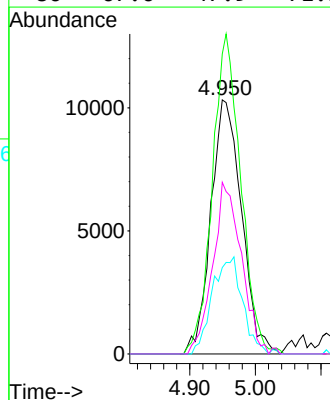
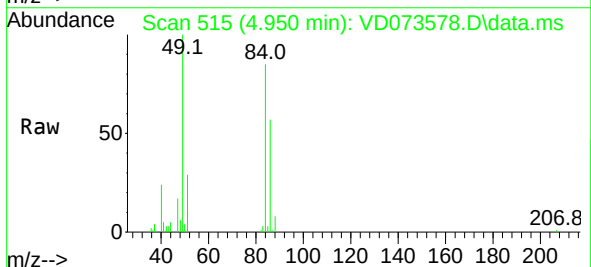
Instrument :
MSVOA_D
ClientSampleId :
B-222(26-28)

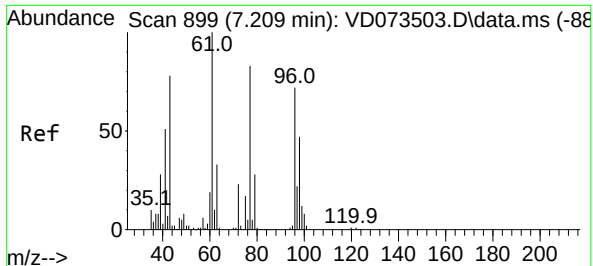
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 7.804 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion: 84 Resp: 33468
Ion Ratio Lower Upper
84 100
49 118.1 112.8 169.2
51 34.0 32.6 48.8
86 67.6 47.9 71.9





#25

2-Butanone

Concen: 4.570 ug/l

RT: 7.202 min Scan# 899

Delta R.T. -0.007 min

Lab File: VD073578.D

Acq: 14 Jun 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

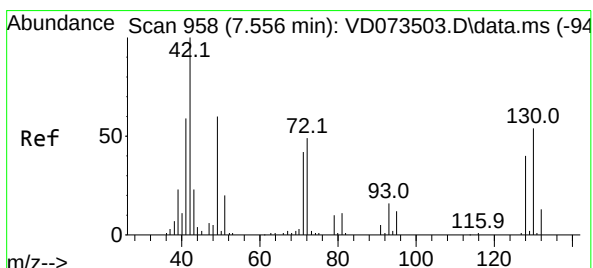
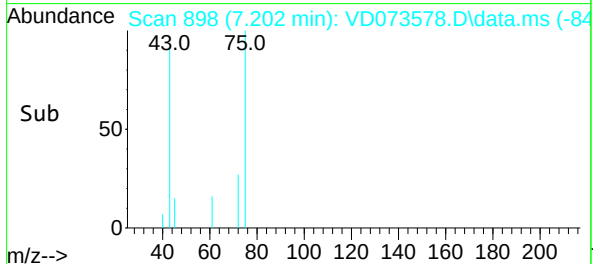
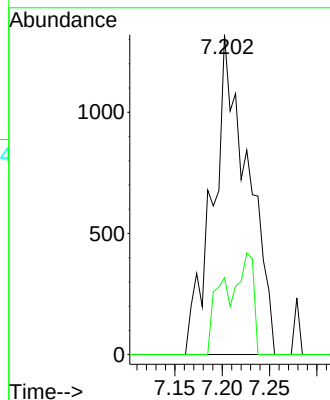
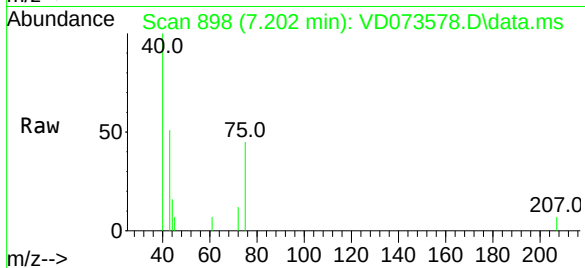
B-222(26-28)

Tgt Ion: 43 Resp: 3401

Ion Ratio Lower Upper

43 100

72 24.0 18.6 27.8



#29

Tetrahydrofuran

Concen: 1.102 ug/l

RT: 7.555 min Scan# 958

Delta R.T. -0.001 min

Lab File: VD073578.D

Acq: 14 Jun 2022 19:33

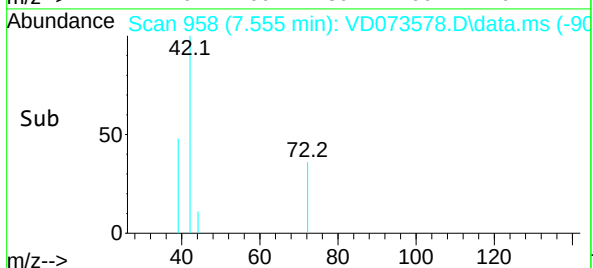
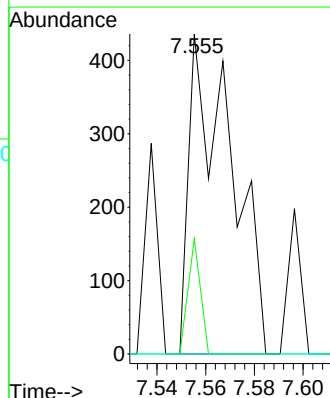
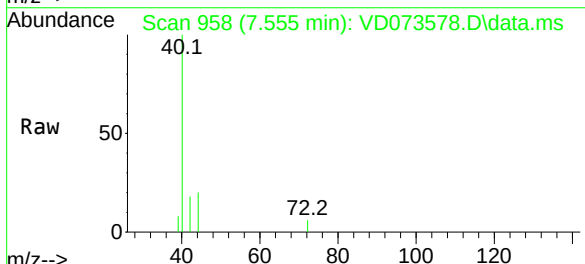
Tgt Ion: 42 Resp: 523

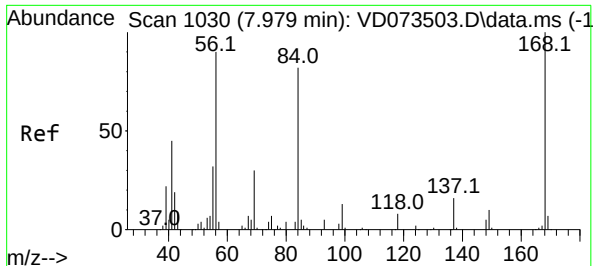
Ion Ratio Lower Upper

42 100

72 10.5 30.7 46.1#

71 0.0 28.6 43.0#

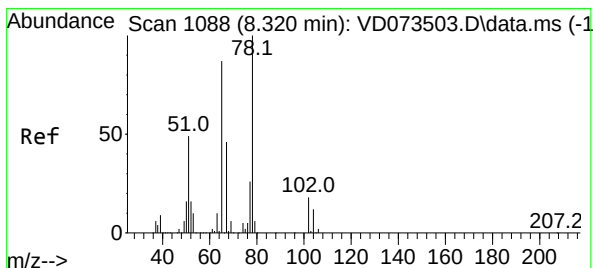
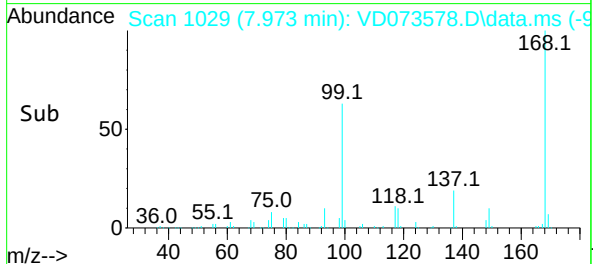
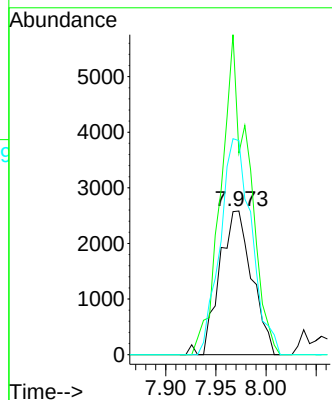
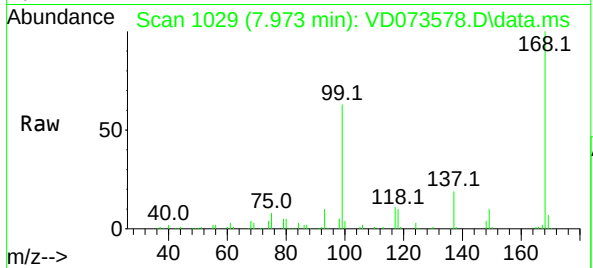




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

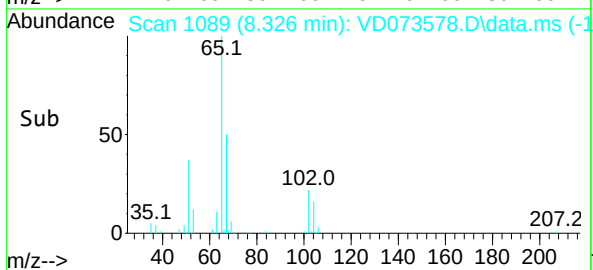
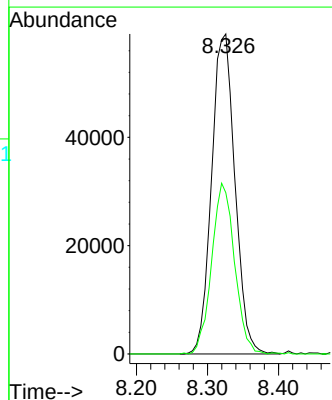
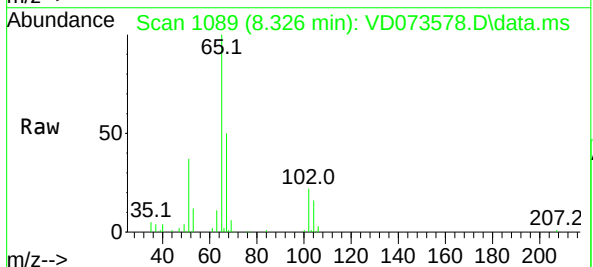
Instrument :
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B-222(26-28)

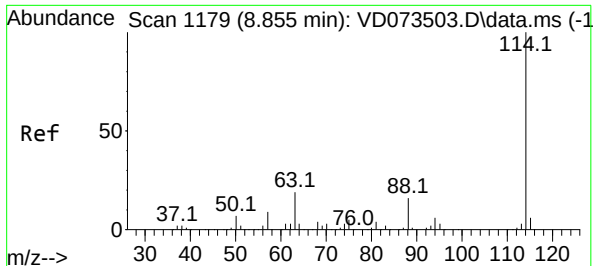
Tgt Ion: 56 Resp: 5801
Ion Ratio Lower Upper
56 100
69 140.4 25.4 38.2#
84 149.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.965 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion: 65 Resp: 134896
Ion Ratio Lower Upper
65 100
67 52.3 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: VD073578.D

Acq: 14 Jun 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

B-222(26-28)

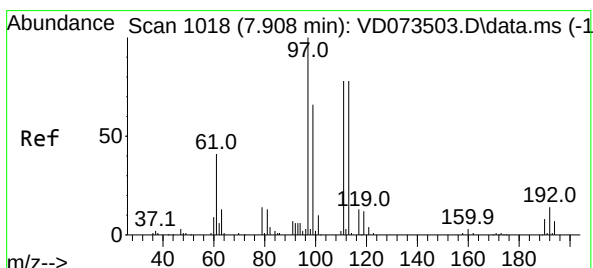
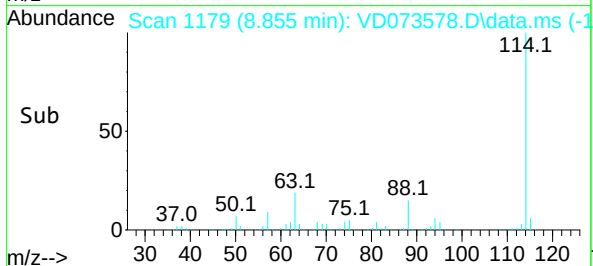
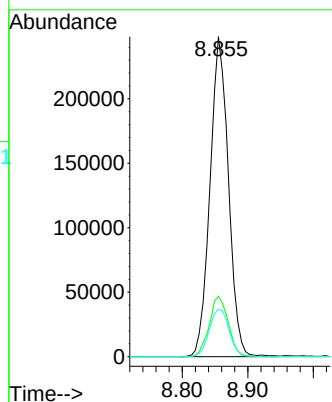
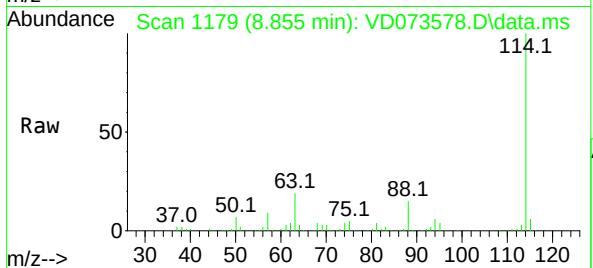
Tgt Ion:114 Resp: 484673

Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.371 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073578.D

Acq: 14 Jun 2022 19:33

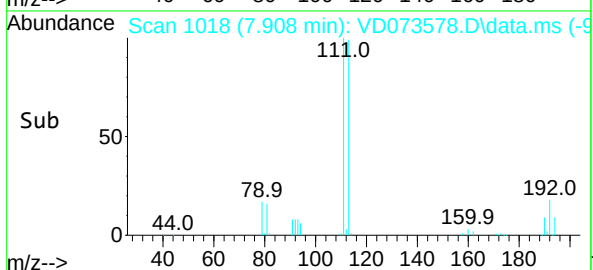
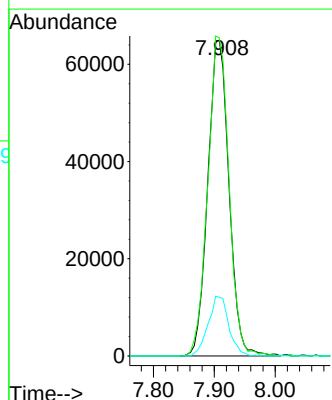
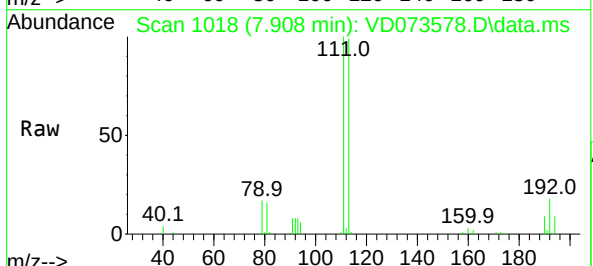
Tgt Ion:113 Resp: 156989

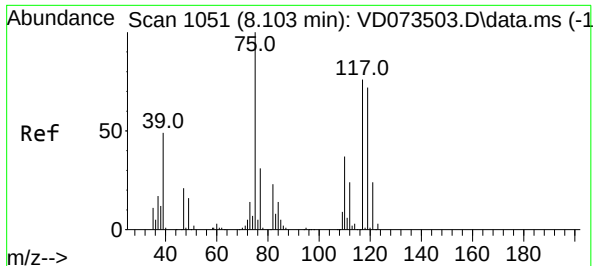
Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.136 min

Lab File: VD073578.D

Acq: 14 Jun 2022 19:33

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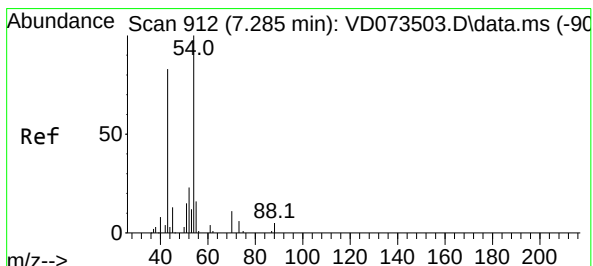
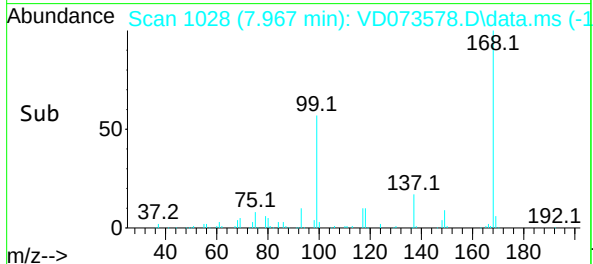
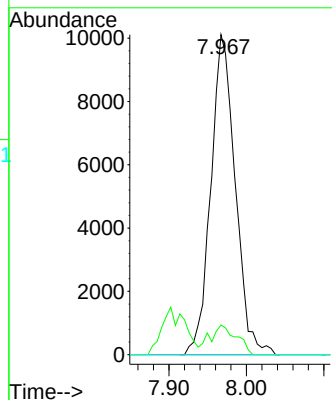
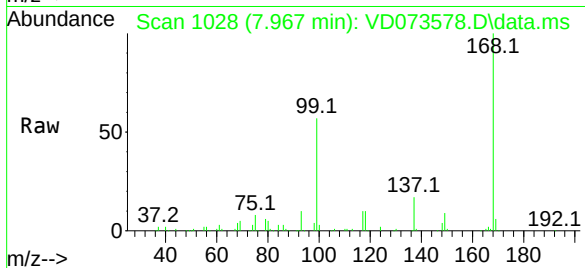
Tgt Ion: 75 Resp: 22186

Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.799 ug/l

RT: 7.202 min Scan# 898

Delta R.T. -0.083 min

Lab File: VD073578.D

Acq: 14 Jun 2022 19:33

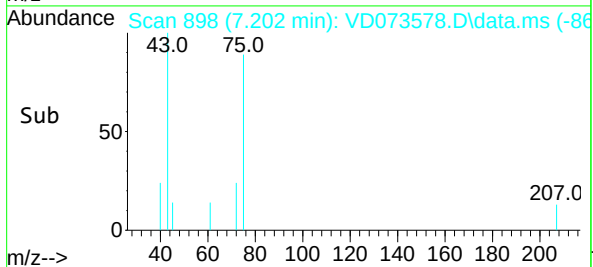
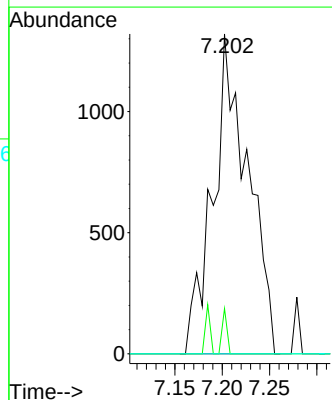
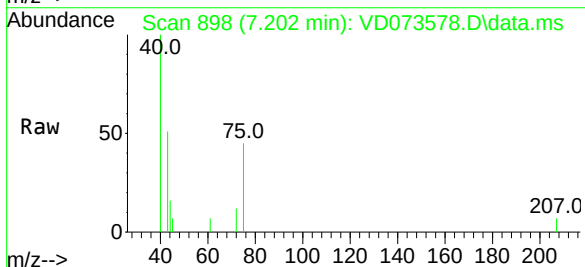
Tgt Ion: 43 Resp: 3401

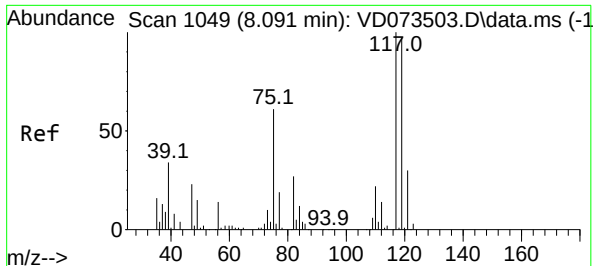
Ion Ratio Lower Upper

43 100

61 1.9 9.8 14.8#

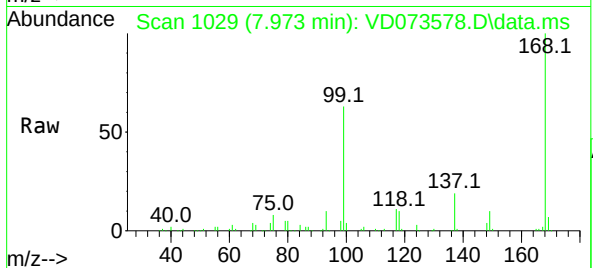
70 0.0 6.9 10.3#



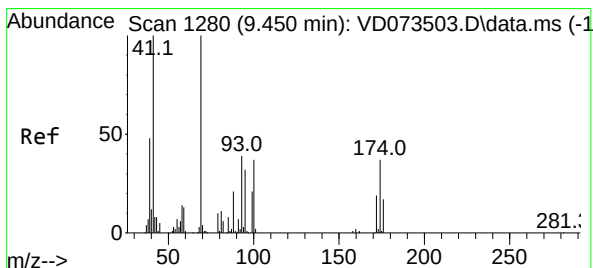
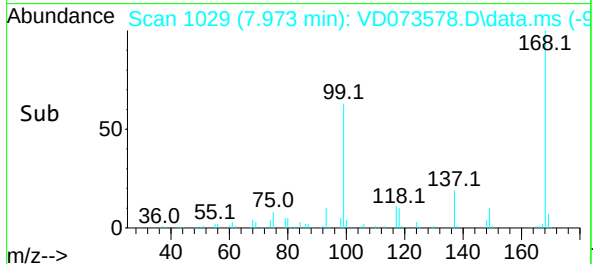
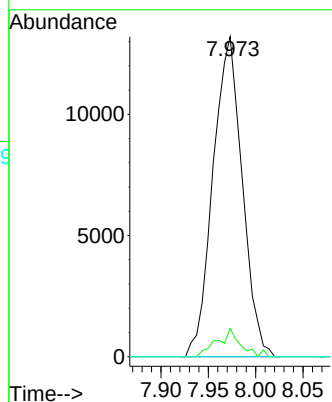


#38
Carbon Tetrachloride
Concen: 5.798 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Instrument :
MSVOA_D
ClientSampleId :
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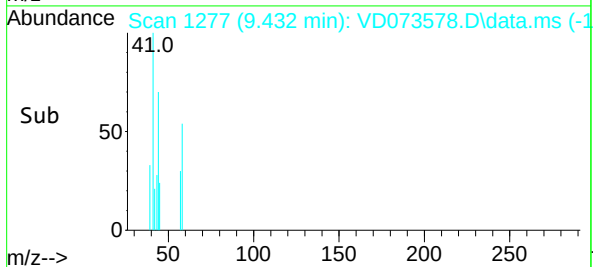
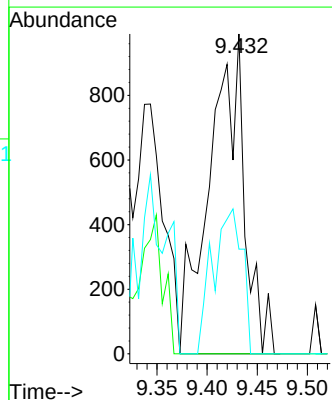
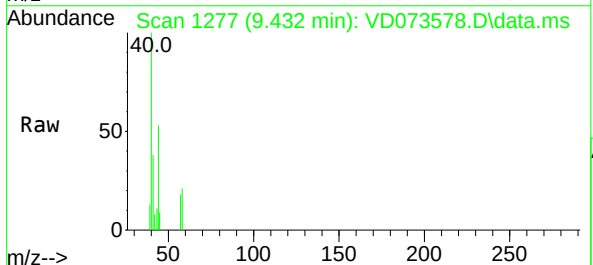


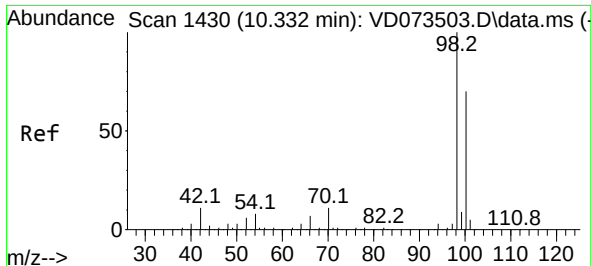
Tgt Ion:117 Resp: 28390
Ion Ratio Lower Upper
117 100
119 8.8 75.8 113.6#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 1.336 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion: 41 Resp: 2408
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 38.0 42.7 64.1#

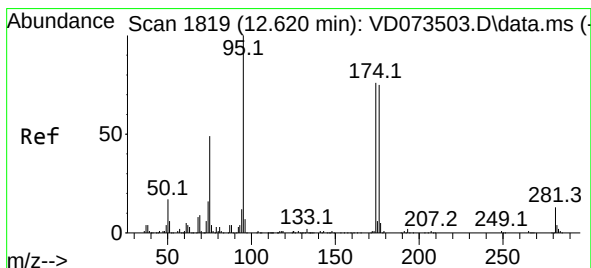
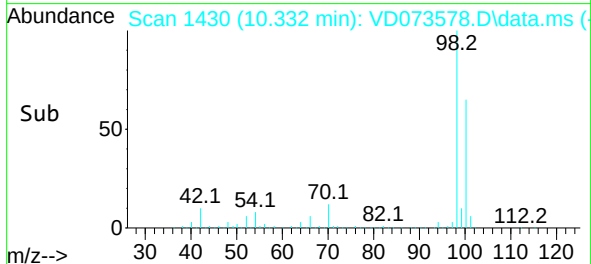
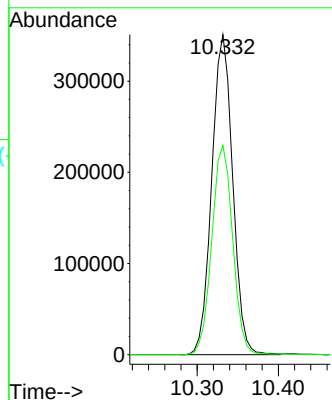
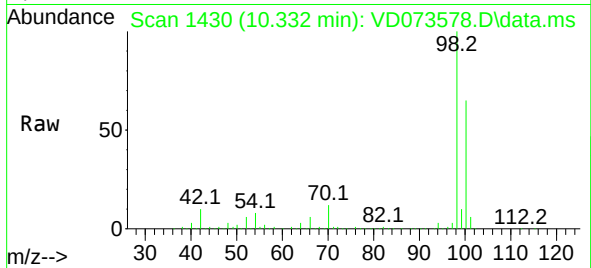




#50
Toluene-d8
Concen: 53.319 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

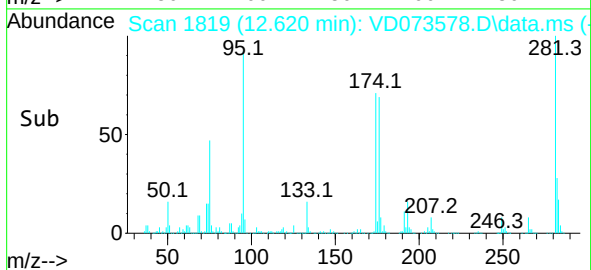
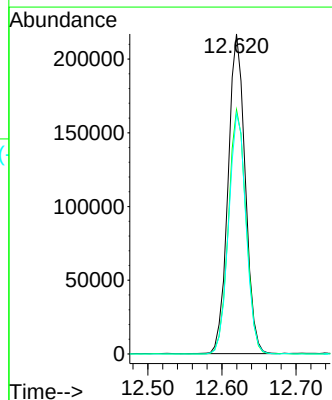
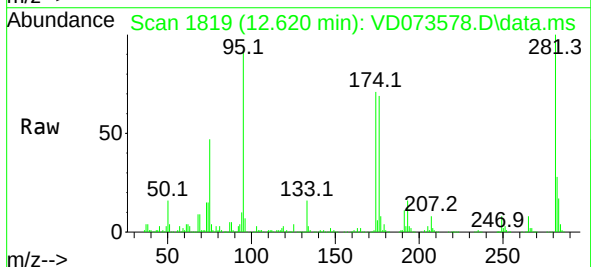
Instrument :
MSVOA_D
ClientSampleId :
B-222(26-28)

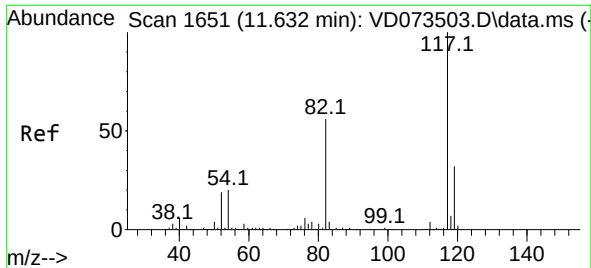
Tgt Ion: 98 Resp: 628286
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 81.425 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion: 95 Resp: 348318
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 75.9 0.0 145.4

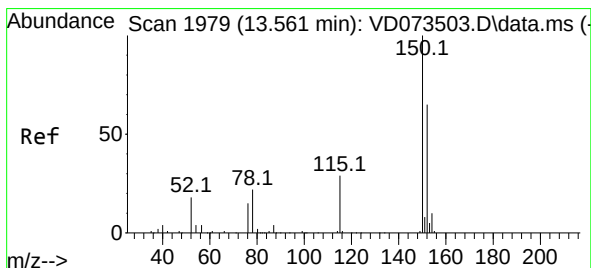
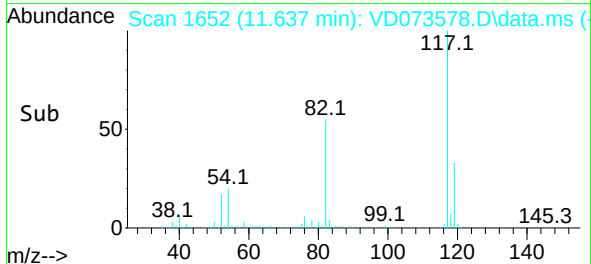
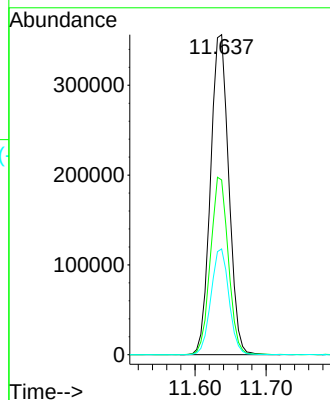
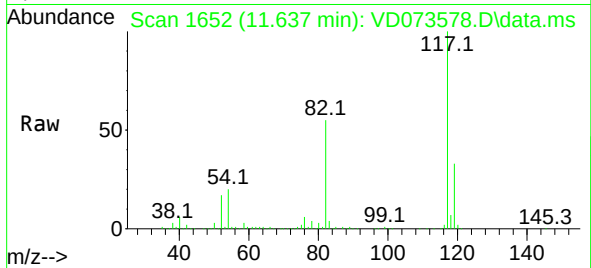




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. 0.005 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

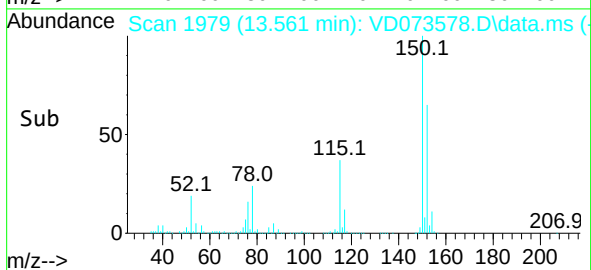
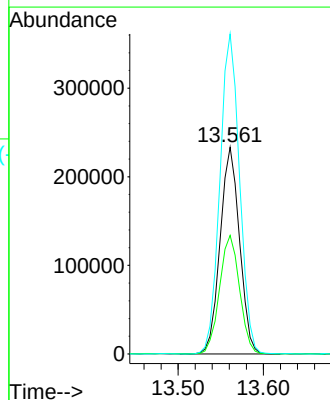
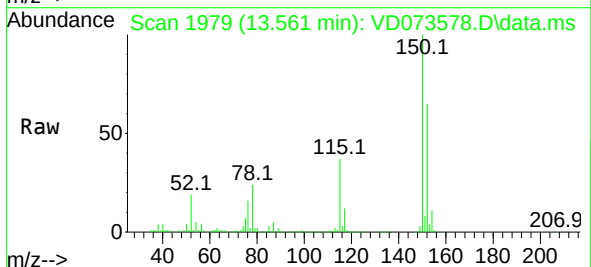
Instrument :
MSVOA_D
ClientSampleId :
B-222(26-28)

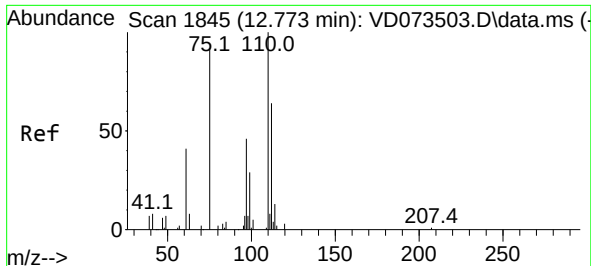
Tgt Ion:117 Resp: 635544
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 33.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Tgt Ion:152 Resp: 369505
Ion Ratio Lower Upper
152 100
115 58.9 31.3 93.8
150 156.7 0.0 348.6

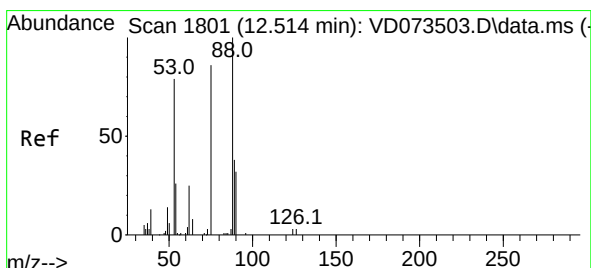
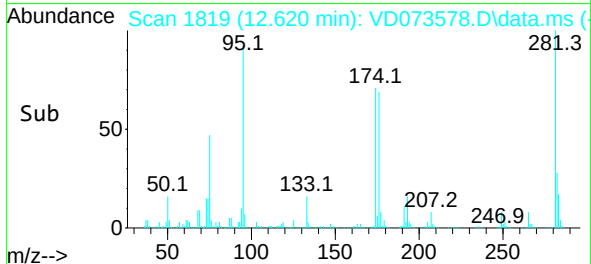
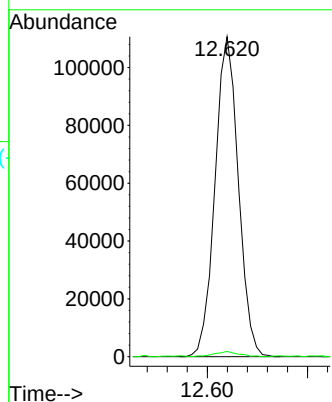
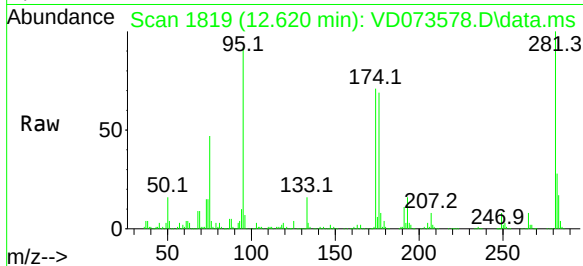




#76
 1,2,3-Trichloropropane
 Concen: 49.757 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073578.D
 Acq: 14 Jun 2022 19:33

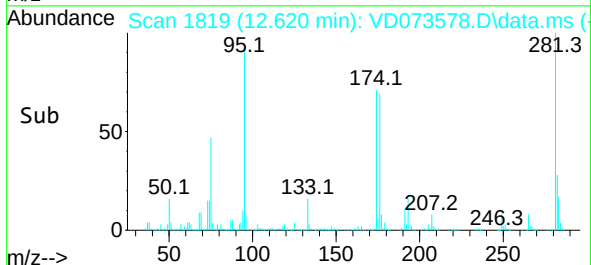
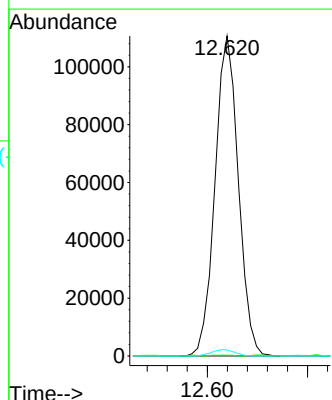
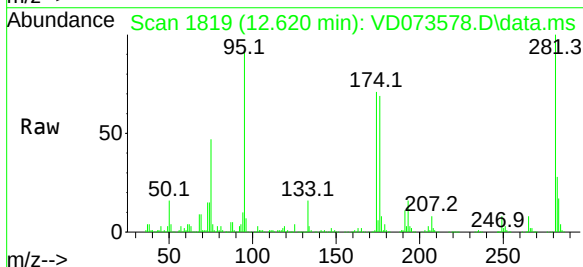
Instrument :
 MSVOA_D
 ClientSampleId :
 B-222(26-28)

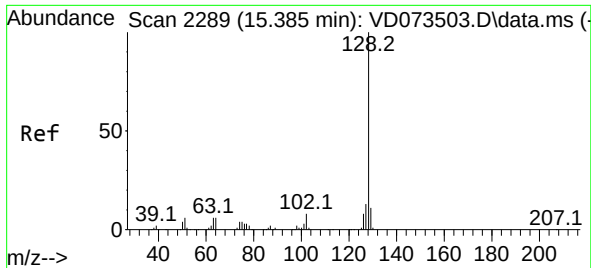
Tgt Ion: 75 Resp: 178606
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.787 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073578.D
 Acq: 14 Jun 2022 19:33

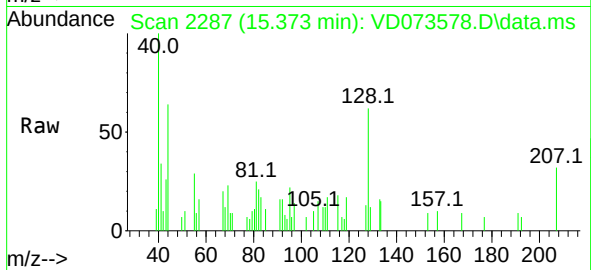
Tgt Ion: 75 Resp: 178606
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 2.0 33.9 50.9#





#95
Naphthalene
Concen: 4.443 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073578.D
Acq: 14 Jun 2022 19:33

Instrument :
MSVOA_D
ClientSampleId :
B-222(26-28)



Tgt Ion:128 Resp: 3488
Ion Ratio Lower Upper
128 100
127 4.9 10.3 15.5#
129 10.5 8.4 12.6

