

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073080.D
 Acq On : 18 May 2022 03:14
 Operator : VA/SY
 Sample : N2879-01
 Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:14:38 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)

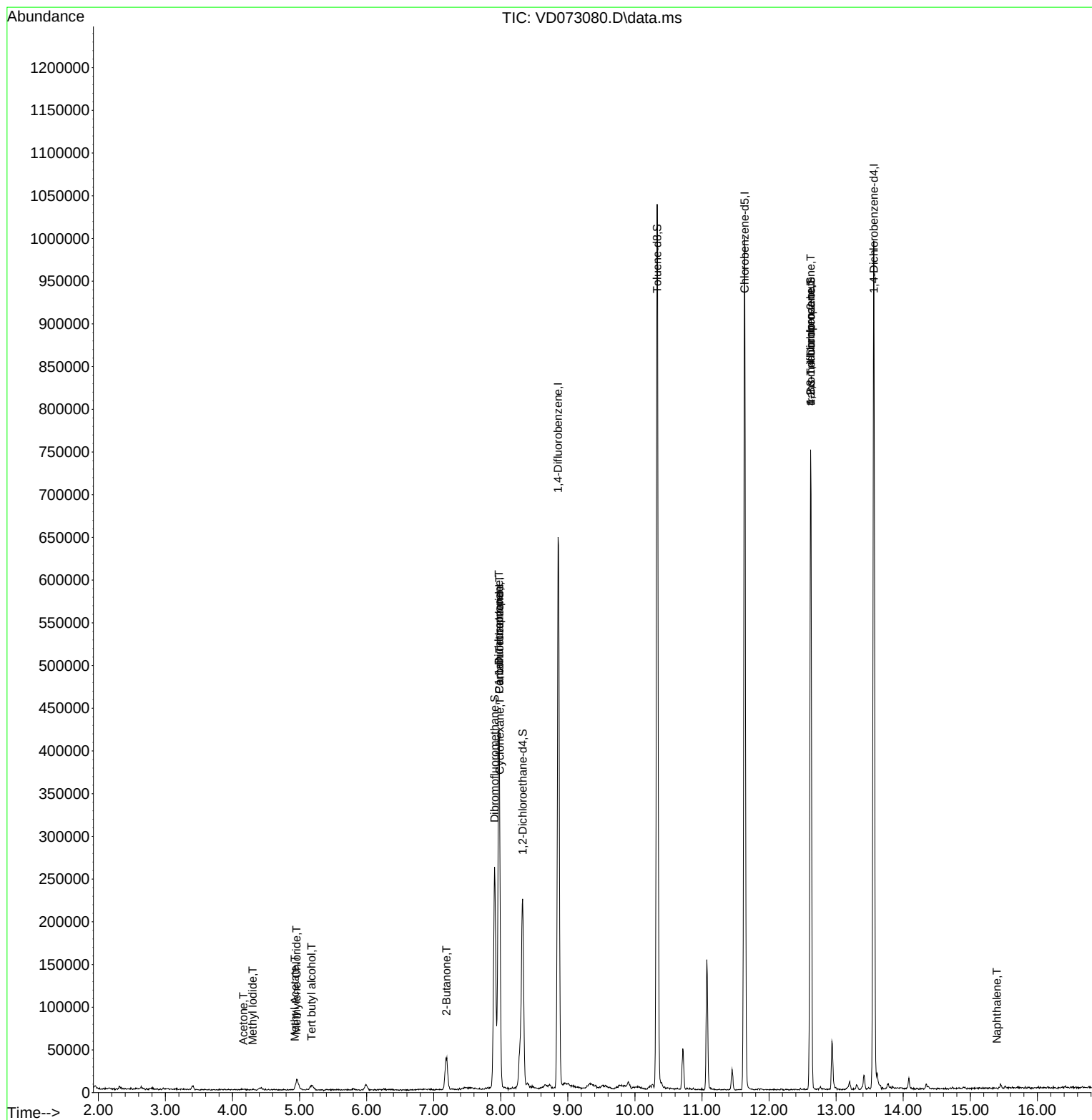
Internal Standards						
1) Pentafluorobenzene	7.979	168	303968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	554379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	566983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171558	45.131	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.260%
35) Dibromofluoromethane	7.908	113	186497	47.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.820%
50) Toluene-d8	10.332	98	687239	48.669	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.620	95	249064	48.698	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.400%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	488	4.378	ug/l #	88
11) Tert butyl alcohol	5.179	59	3654	6.215	ug/l #	74
16) Acetone	4.161	43	1852	2.692	ug/l #	47
18) Methyl Acetate	4.932	43	87	1.500	ug/l #	55
20) Methylene Chloride	4.956	84	9584	1.920	ug/l #	79
25) 2-Butanone	7.191	43	2053	1.971	ug/l #	52
31) Cyclohexane	7.985	56	7462	1.090	ug/l #	12
36) 1,1-Dichloropropene	7.973	75	25031	3.947	ug/l #	52
38) Carbon Tetrachloride	7.979	117	31999	4.932	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	124763	42.400	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	124763	101.665	ug/l #	7
95) Naphthalene	15.396	128	56	4.265	ug/l #	70

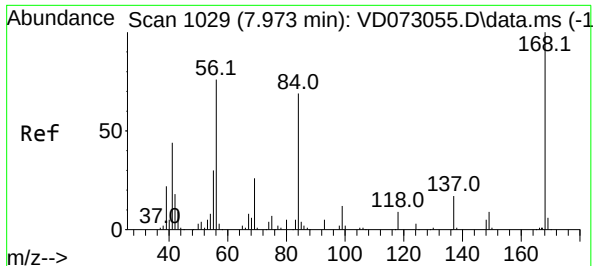
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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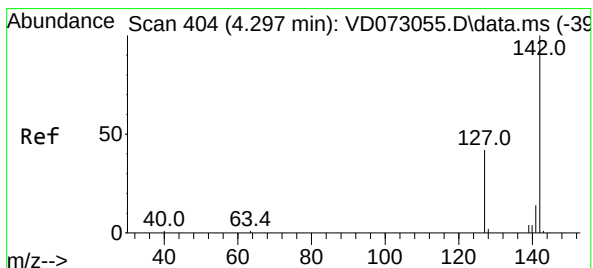
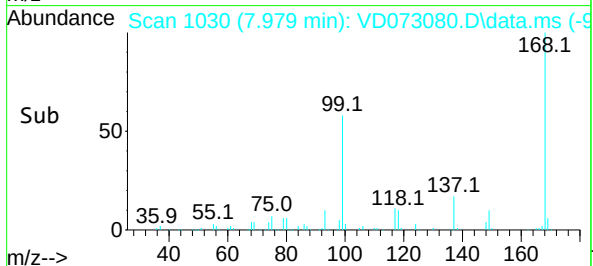
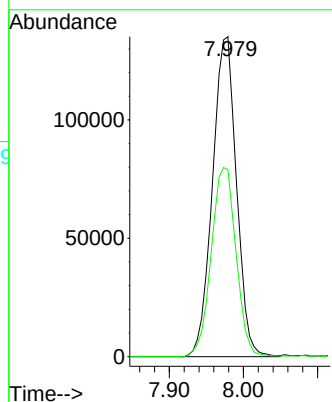
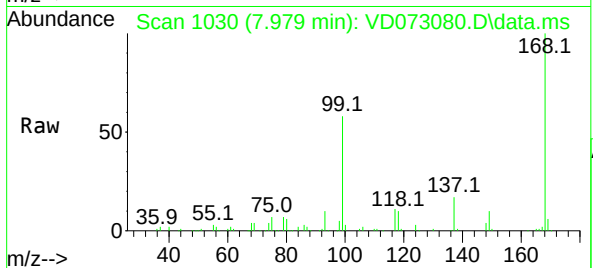




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

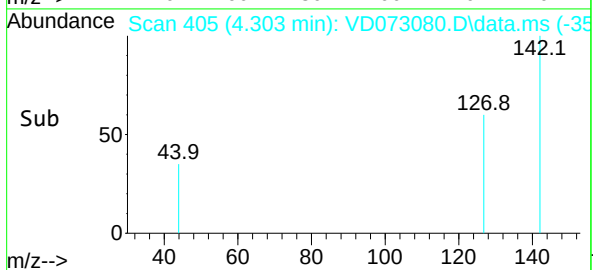
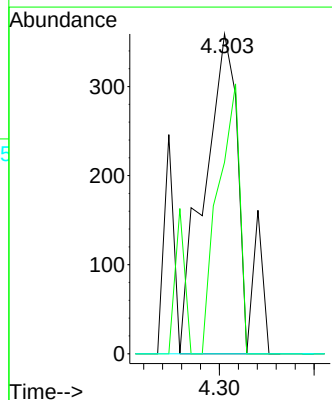
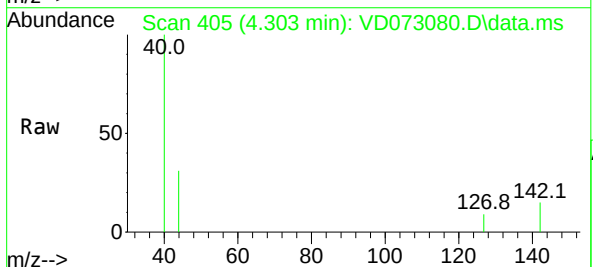
Instrument :
MSVOA_D
ClientSampleId :

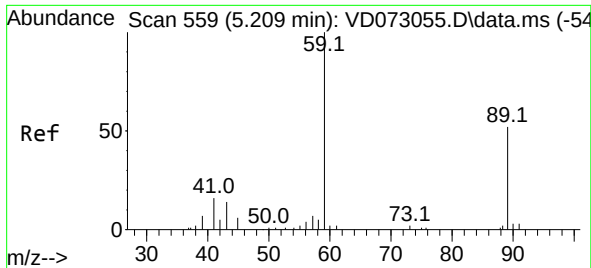
Tgt Ion:168 Resp: 303968
Ion Ratio Lower Upper
168 100
99 58.5 49.8 74.6



#10
Methyl Iodide
Concen: 4.378 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

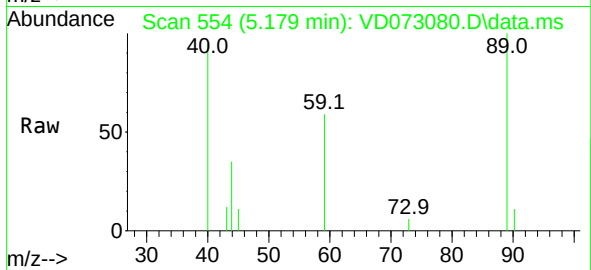
Tgt Ion:142 Resp: 488
Ion Ratio Lower Upper
142 100
127 49.4 37.3 55.9
141 0.0 11.7 17.5#



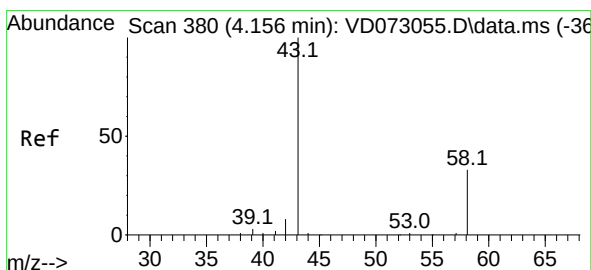
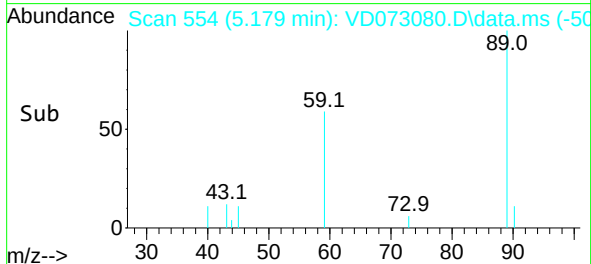
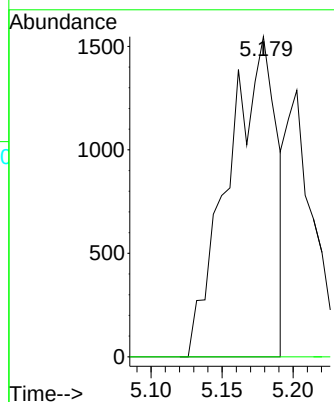


#11
Tert butyl alcohol
Concen: 6.215 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

Instrument :
MSVOA_D
ClientSampleId :

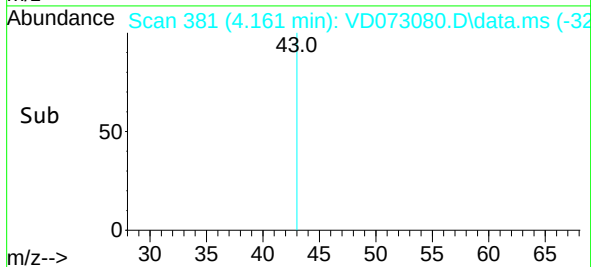
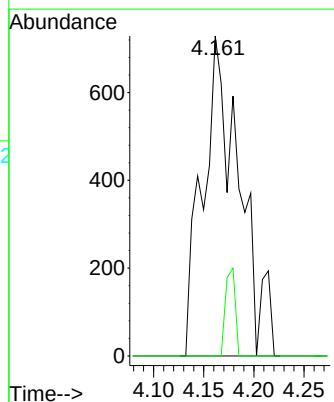
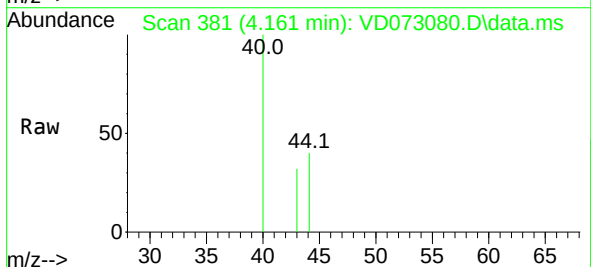


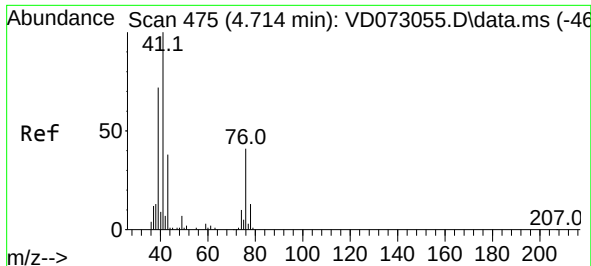
Tgt Ion: 59 Resp: 3654
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.692 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

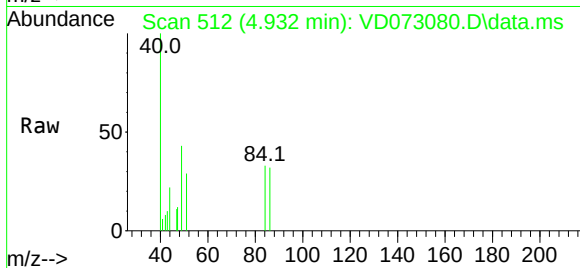
Tgt Ion: 43 Resp: 1852
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



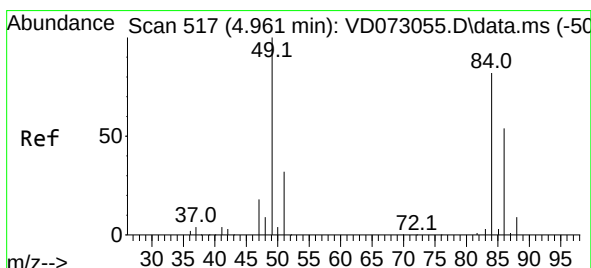
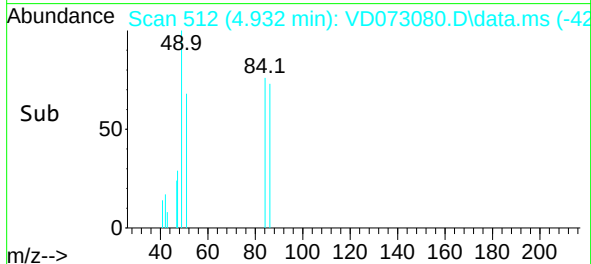
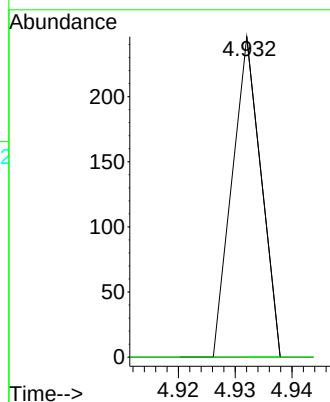


#18
Methyl Acetate
Concen: 1.500 ug/l
RT: 4.932 min Scan# 51
Delta R.T. 0.218 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

Instrument :
MSVOA_D
ClientSampleId :

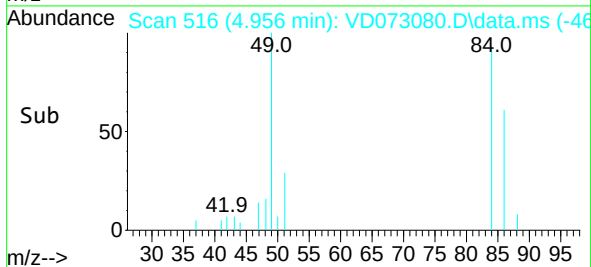
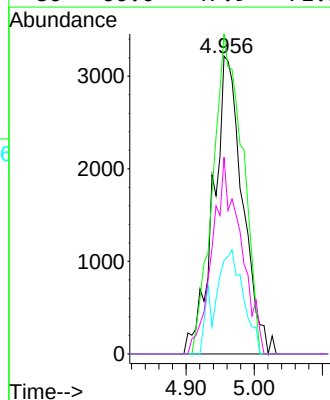
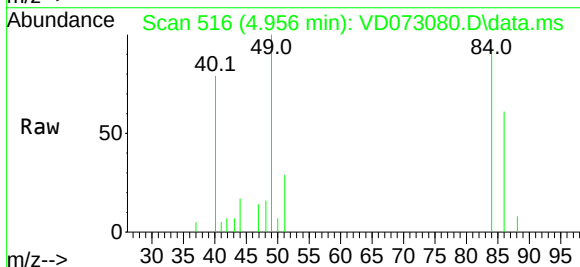


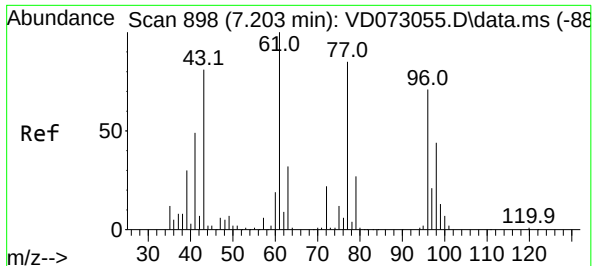
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 1.920 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

Tgt Ion: 84 Resp: 9584
Ion Ratio Lower Upper
84 100
49 107.4 112.8 169.2#
51 31.4 32.6 48.8#
86 66.0 47.9 71.9





#25

2-Butanone

Concen: 1.971 ug/l

RT: 7.191 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD073080.D

Acq: 18 May 2022 03:14

Instrument :

MSVOA_D

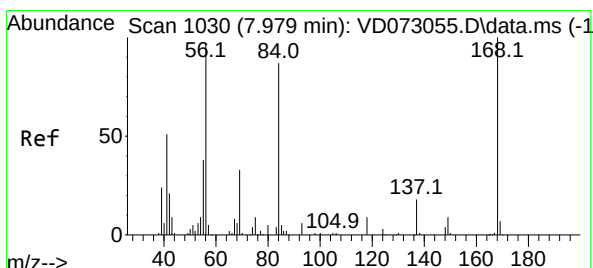
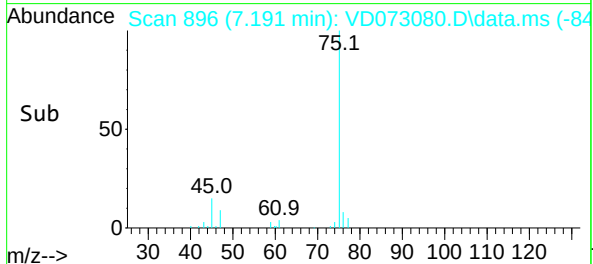
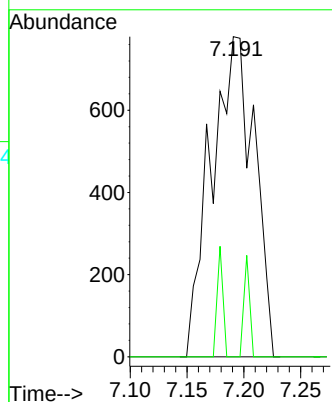
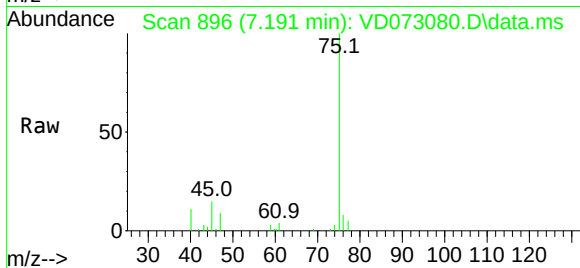
ClientSampleId :

Tgt Ion: 43 Resp: 2053

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD073080.D

Acq: 18 May 2022 03:14

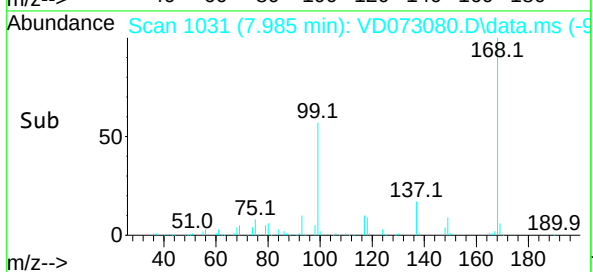
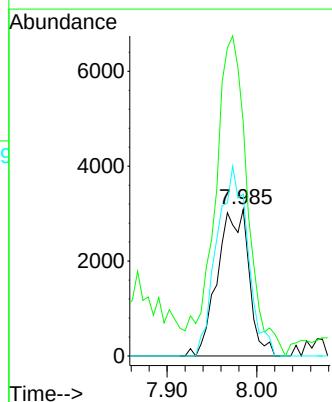
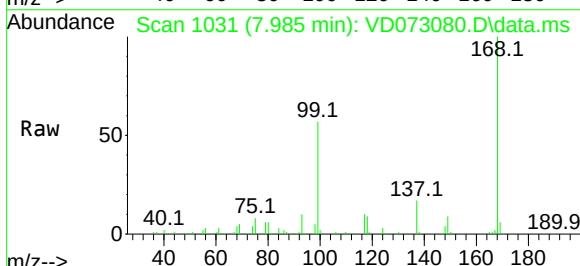
Tgt Ion: 56 Resp: 7462

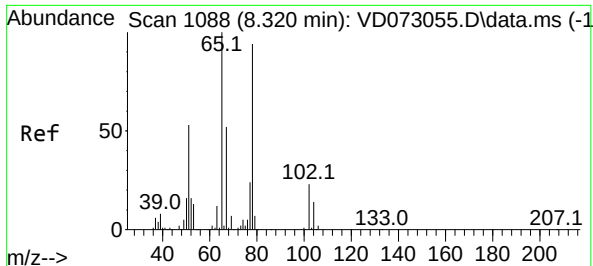
Ion Ratio Lower Upper

56 100

69 151.5 25.4 38.2#

84 110.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.131 ug/l

RT: 8.326 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073080.D

Acq: 18 May 2022 03:14

Instrument :

MSVOA_D

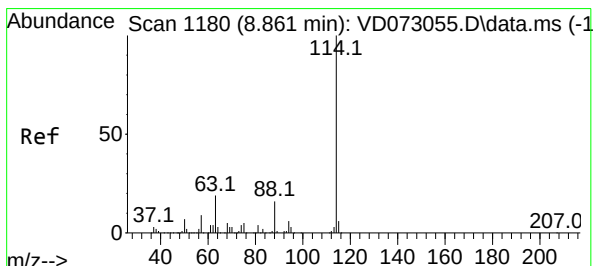
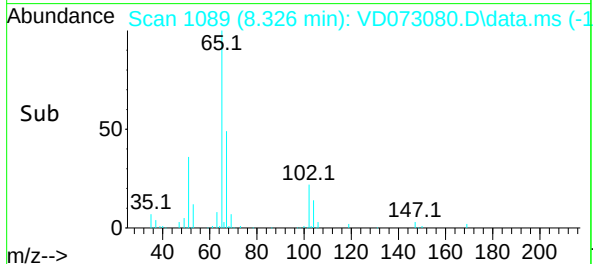
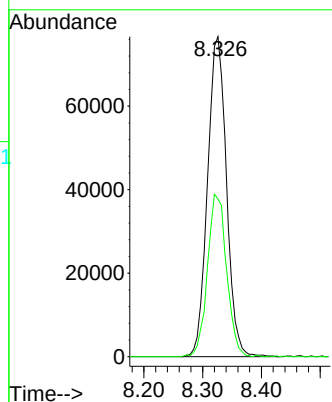
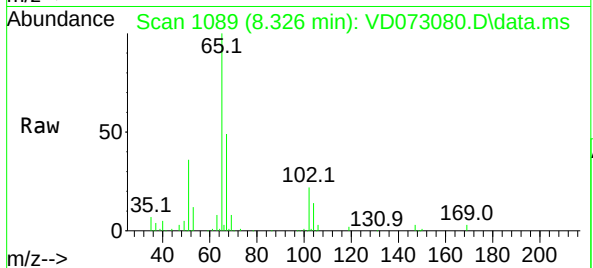
ClientSampleId :

Tgt Ion: 65 Resp: 171558

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073080.D

Acq: 18 May 2022 03:14

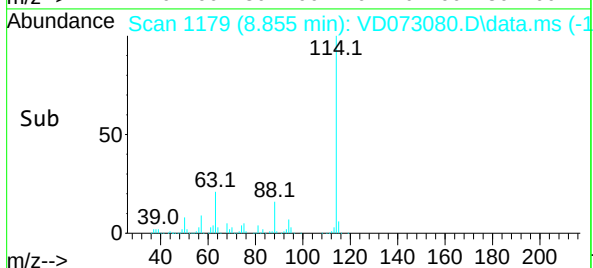
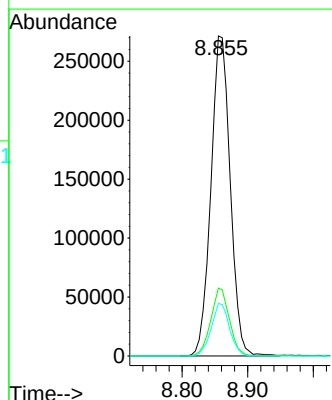
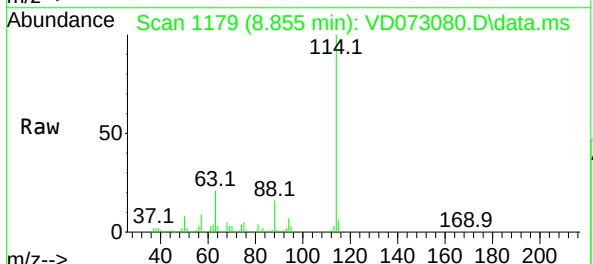
Tgt Ion: 114 Resp: 554379

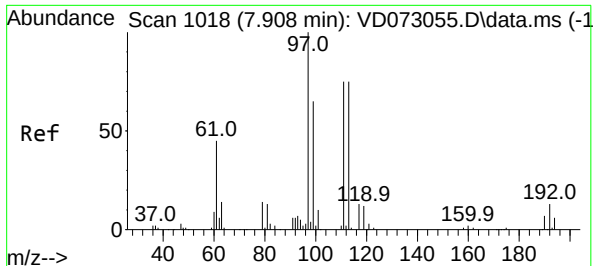
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.914 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

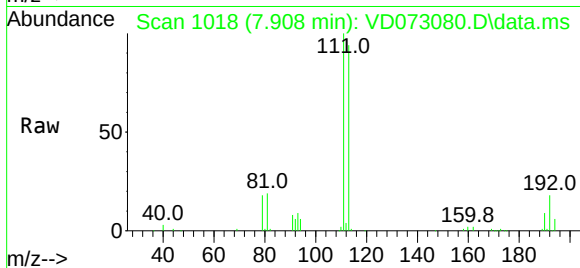
Lab File: VD073080.D

Acq: 18 May 2022 03:14

Instrument :

MSVOA_D

ClientSampleId :



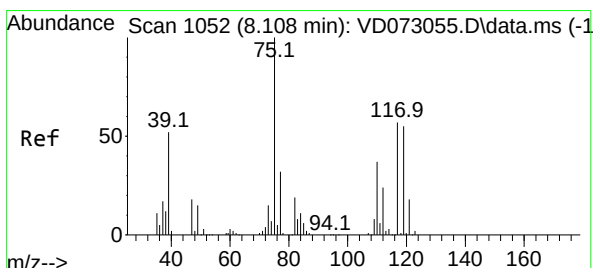
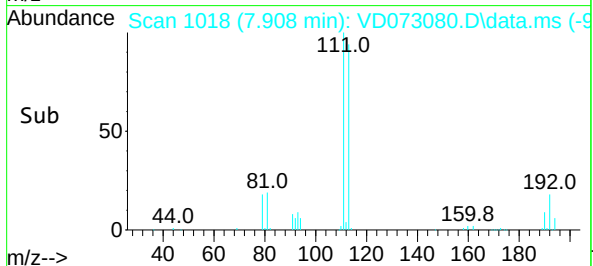
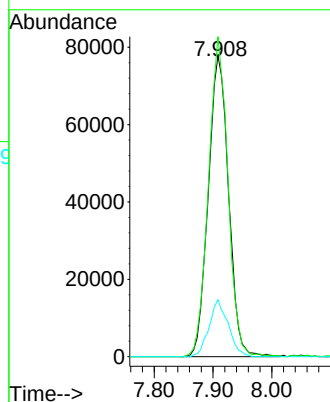
Tgt Ion:113 Resp: 186497

Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.947 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073080.D

Acq: 18 May 2022 03:14

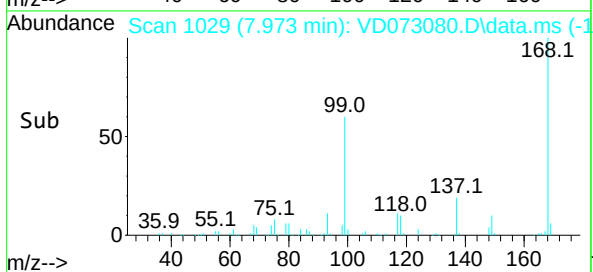
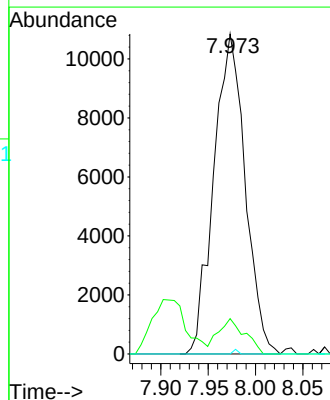
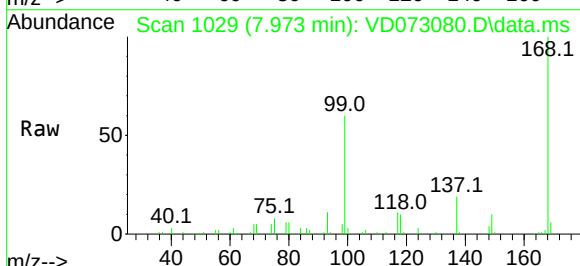
Tgt Ion: 75 Resp: 25031

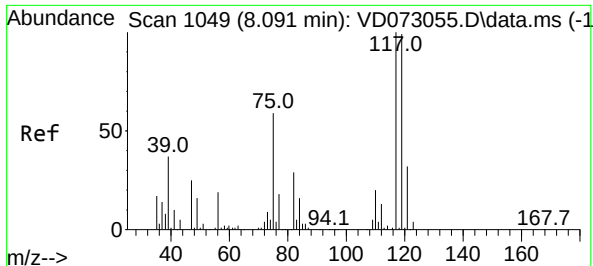
Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.1#

77 0.2 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 4.932 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

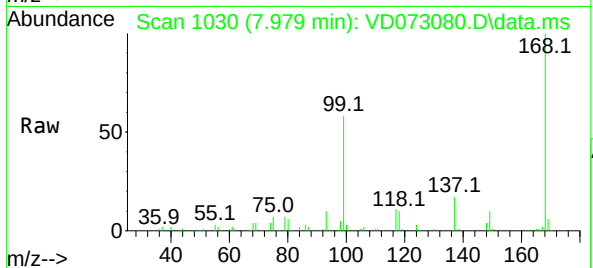
Lab File: VD073080.D

Acq: 18 May 2022 03:14

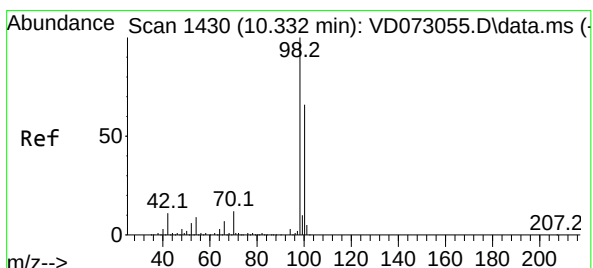
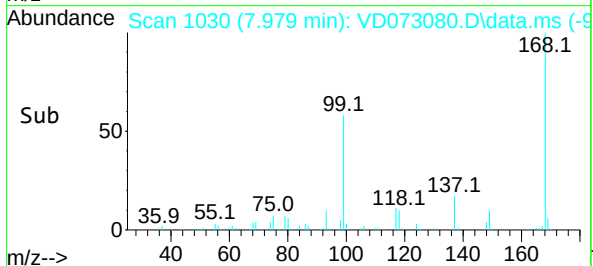
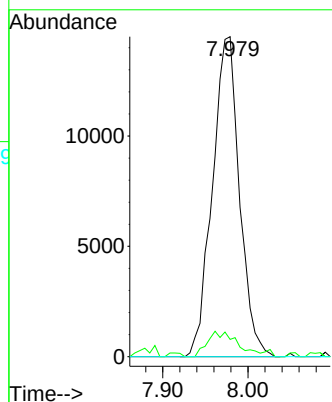
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:117	Resp:	31999
Ion	Ratio	Lower Upper
117	100	
119	5.4	75.8 113.6#
121	0.0	24.5 36.7#



#50

Toluene-d8

Concen: 48.669 ug/l

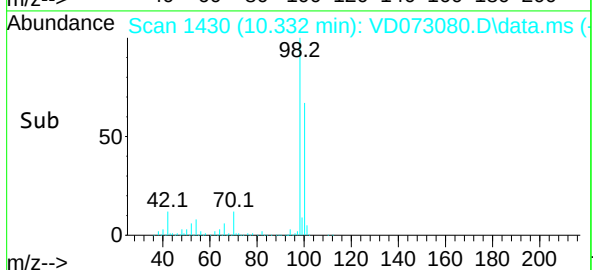
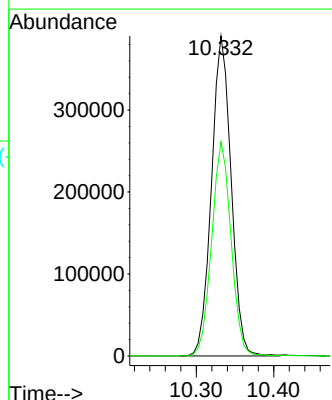
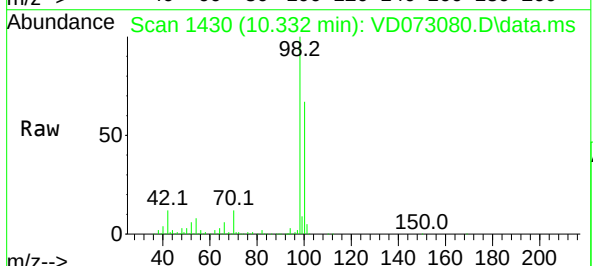
RT: 10.332 min Scan# 1430

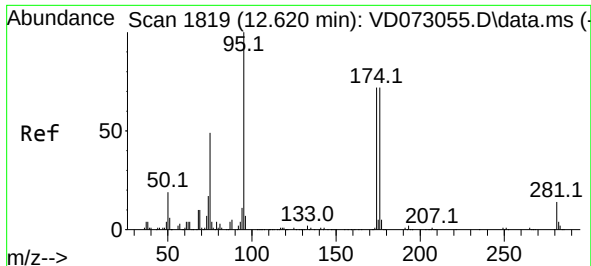
Delta R.T. -0.000 min

Lab File: VD073080.D

Acq: 18 May 2022 03:14

Tgt Ion: 98	Resp:	687239
Ion	Ratio	Lower Upper
98	100	
100	66.0	52.4 78.6

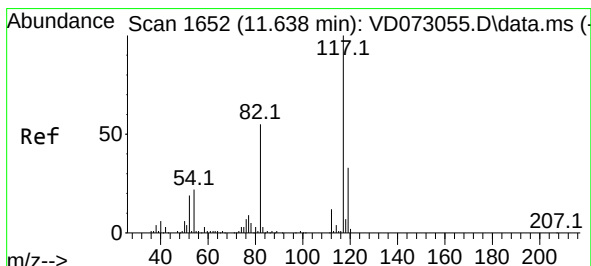
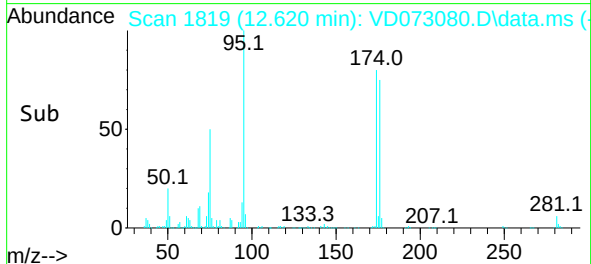
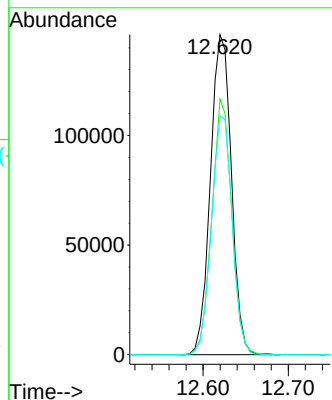
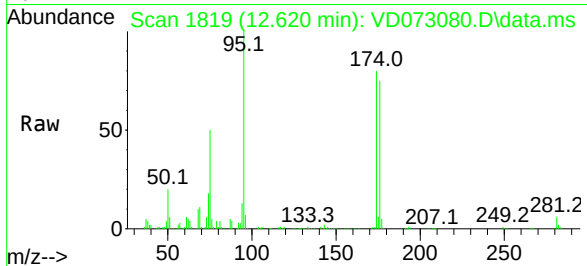




#62
4-Bromofluorobenzene
Concen: 48.698 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

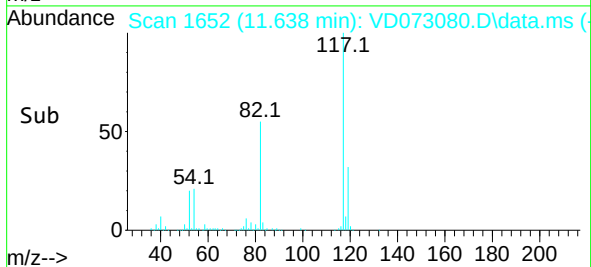
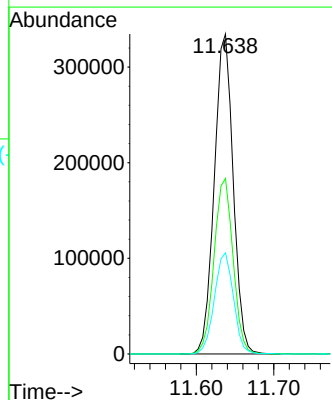
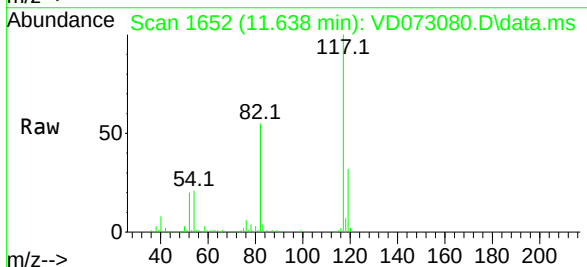
Instrument :
MSVOA_D
ClientSampleId :

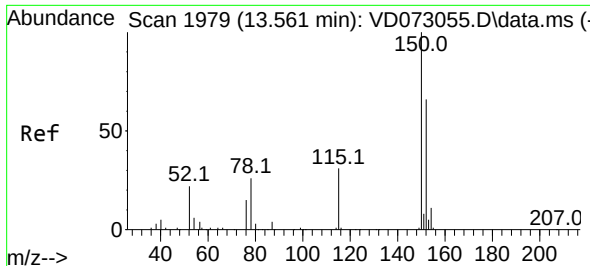
Tgt Ion: 95 Resp: 249064
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

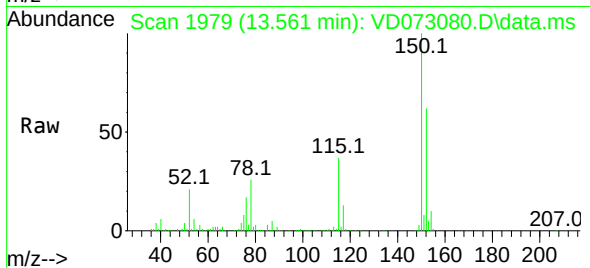
Tgt Ion: 117 Resp: 566983
Ion Ratio Lower Upper
117 100
82 54.8 45.3 67.9
119 31.6 26.6 40.0



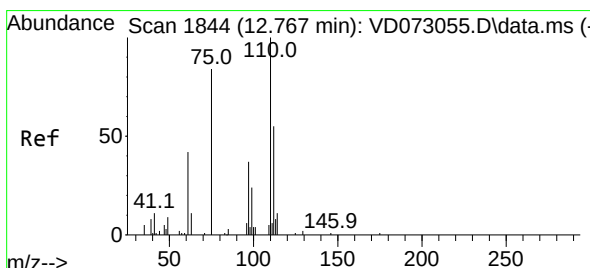
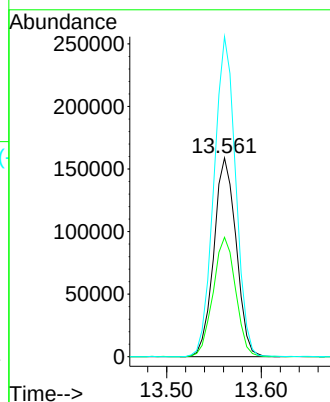
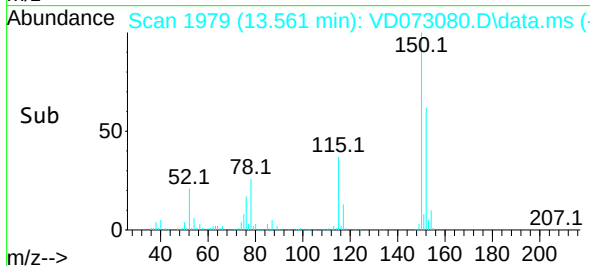


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073080.D
 Acq: 18 May 2022 03:14

Instrument :
 MSVOA_D
 ClientSampleId :

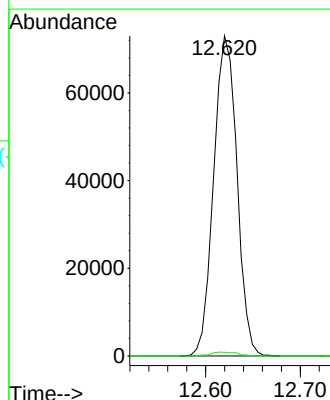
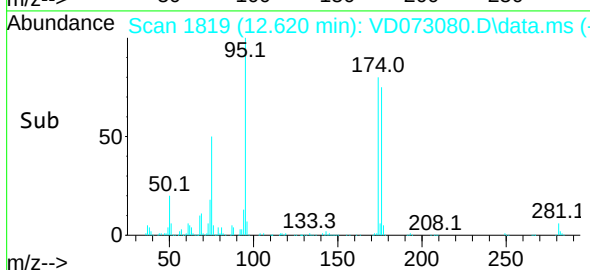
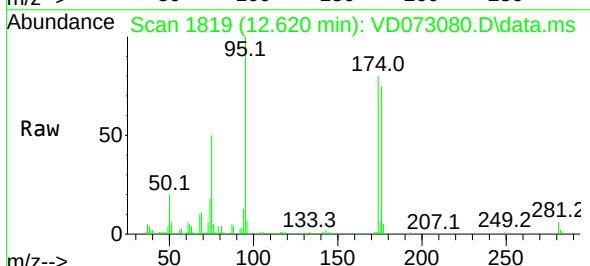


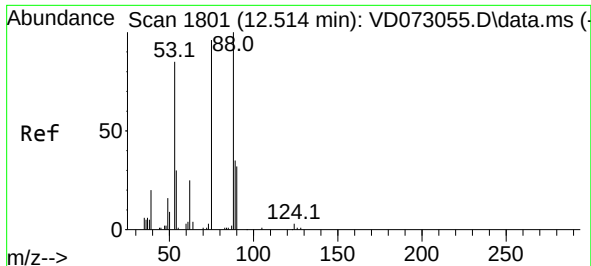
Tgt Ion:152 Resp: 260300
 Ion Ratio Lower Upper
 152 100
 115 60.4 31.3 93.8
 150 157.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 42.400 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073080.D
 Acq: 18 May 2022 03:14

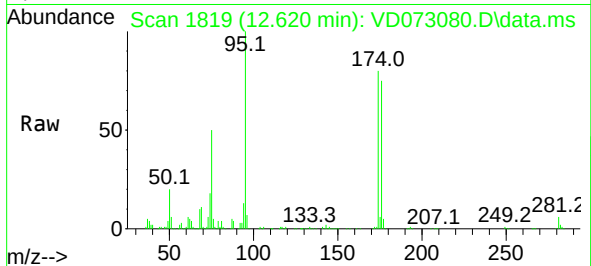
Tgt Ion: 75 Resp: 124763
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



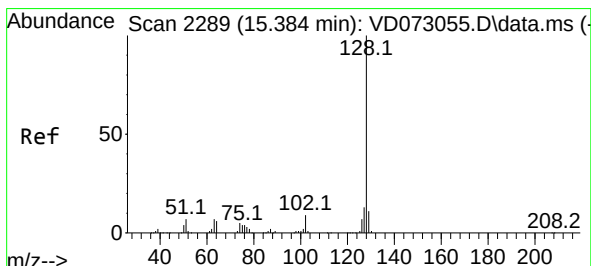
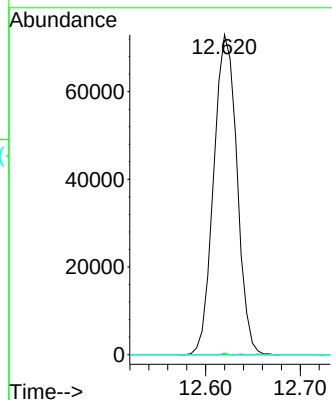
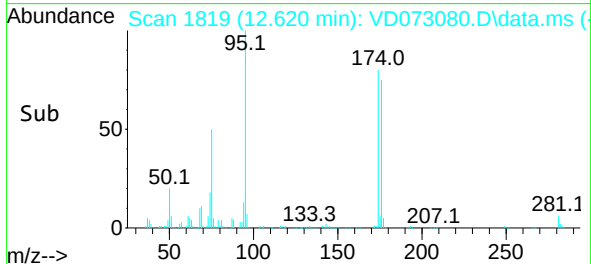


#81
trans-1,4-Dichloro-2-butene
Concen: 101.665 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14

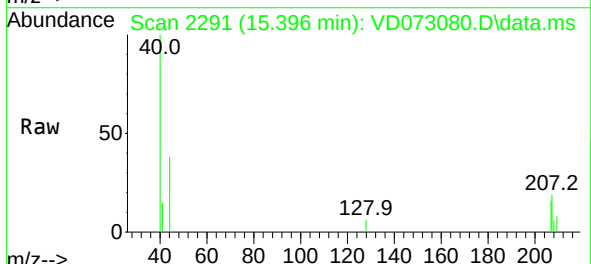
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 124763
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.265 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.012 min
Lab File: VD073080.D
Acq: 18 May 2022 03:14



Tgt Ion: 128 Resp: 56
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

