

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073065.D
 Acq On : 17 May 2022 19:06
 Operator : VA/SY
 Sample : N2851-01
 Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:10:26 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)

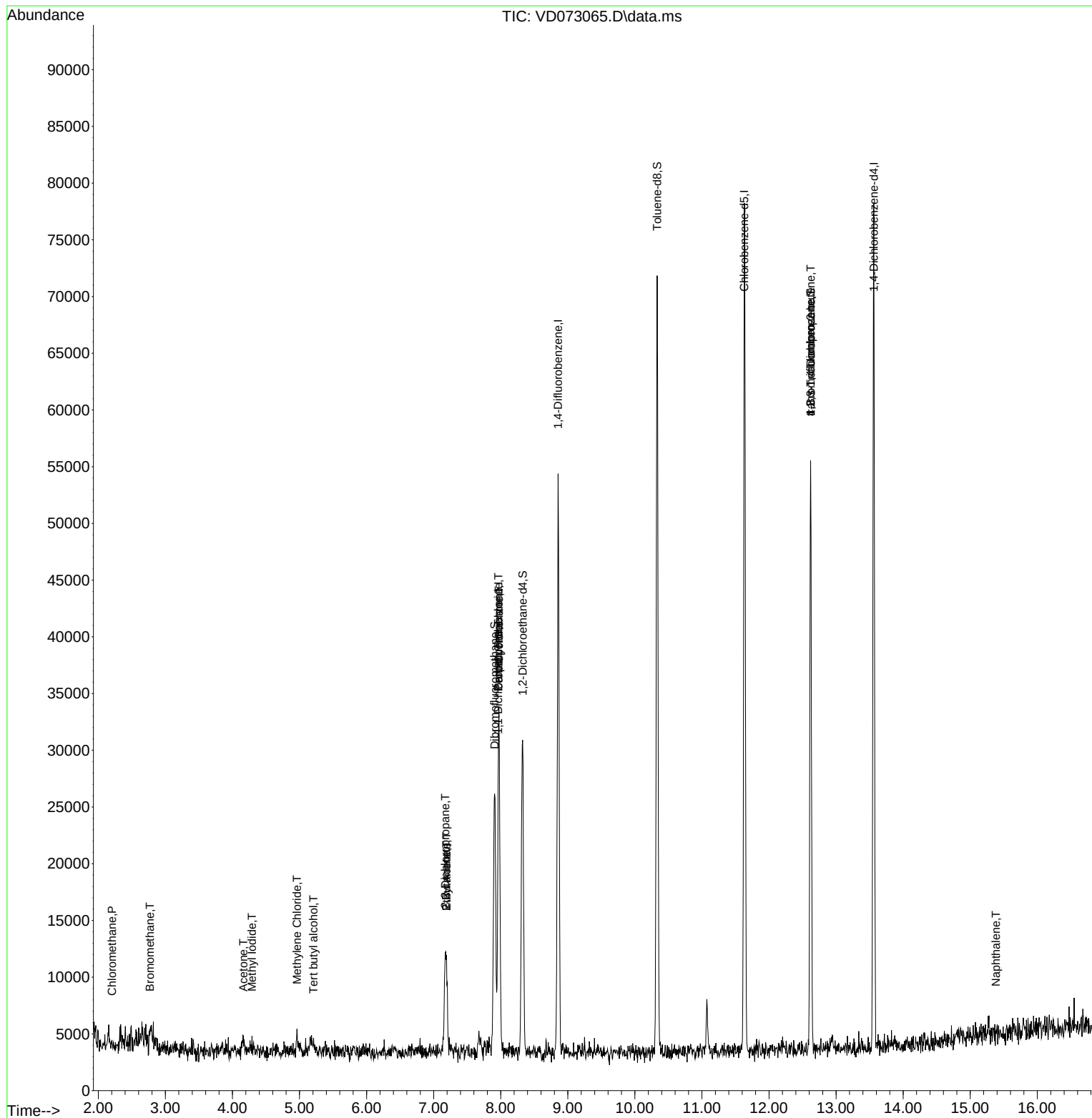
Internal Standards						
1) Pentafluorobenzene	7.967	168	21359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	38883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	42482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	19088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22796	85.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.680%#			
35) Dibromofluoromethane	7.908	113	17497	64.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.180%			
50) Toluene-d8	10.332	98	45981	46.427	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.860%			
62) 4-Bromofluorobenzene	12.620	95	17892	49.878	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.760%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	861	3.127	ug/l #	40
5) Bromomethane	2.768	94	1312	7.295	ug/l #	65
10) Methyl Iodide	4.291	142	528	5.792	ug/l #	79
11) Tert butyl alcohol	5.209	59	327	7.915	ug/l #	74
16) Acetone	4.162	43	2096	43.362	ug/l #	69
20) Methylene Chloride	4.962	84	605	1.724	ug/l #	19
25) 2-Butanone	7.191	43	325	4.440	ug/l #	52
26) 2,2-Dichloropropane	7.173	77	724	1.629	ug/l #	54
31) Cyclohexane	7.973	56	510	1.060	ug/l #	39
36) 1,1-Dichloropropene	7.961	75	1033	2.322	ug/l #	43
37) Ethyl Acetate	7.191	43	325	1.740	ug/l #	1
38) Carbon Tetrachloride	7.967	117	2207	4.849	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	8783	40.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	8783	97.599	ug/l #	7
95) Naphthalene	15.385	128	835	5.287	ug/l #	80

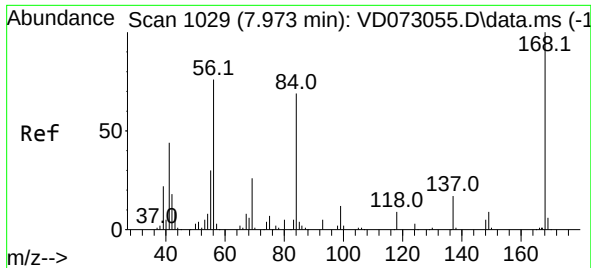
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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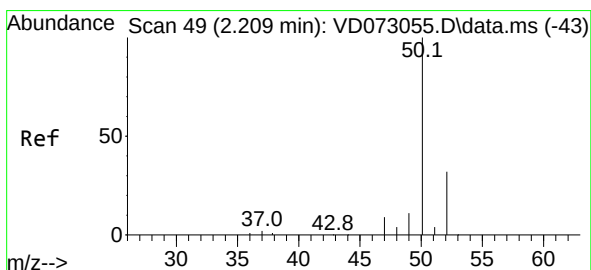
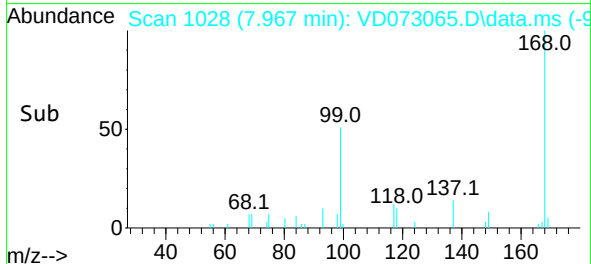
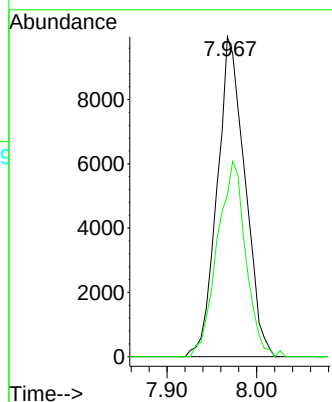
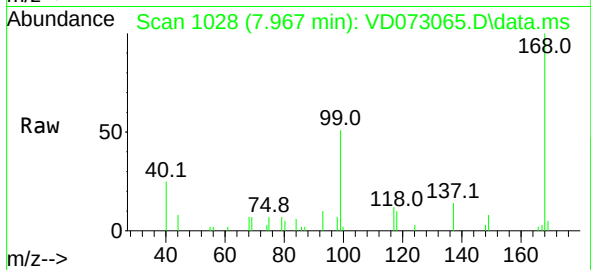




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

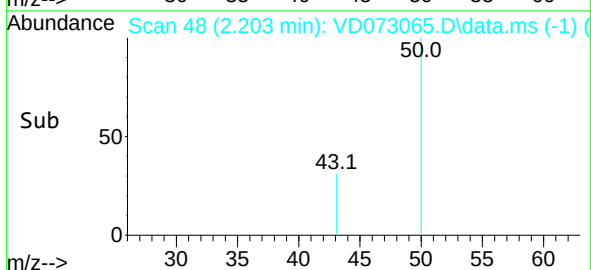
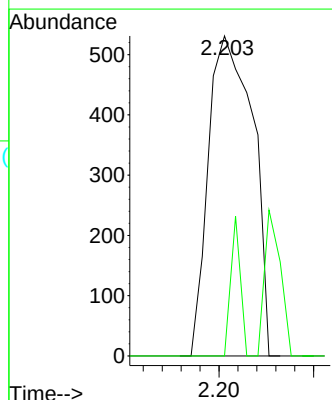
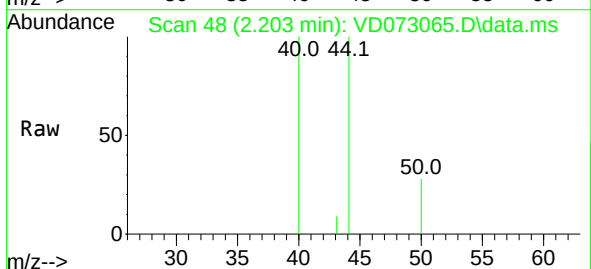
Instrument :
MSVOA_D
ClientSampleId :

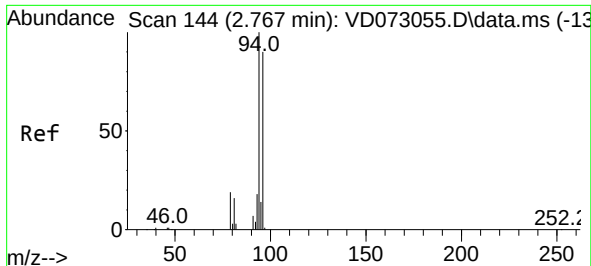
Tgt Ion:168 Resp: 21359
Ion Ratio Lower Upper
168 100
99 50.6 49.8 74.6



#3
Chloromethane
Concen: 3.127 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Tgt Ion: 50 Resp: 861
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

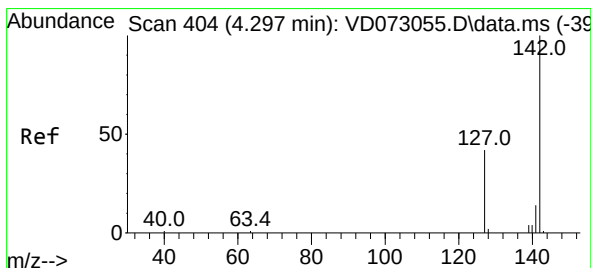
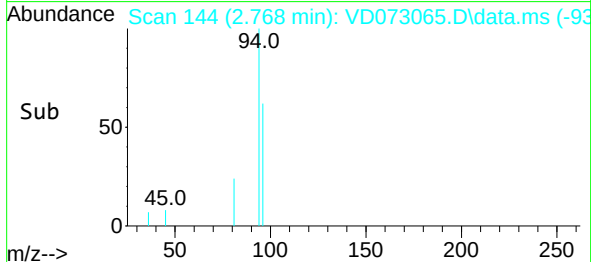
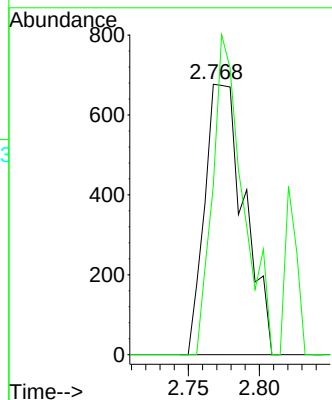
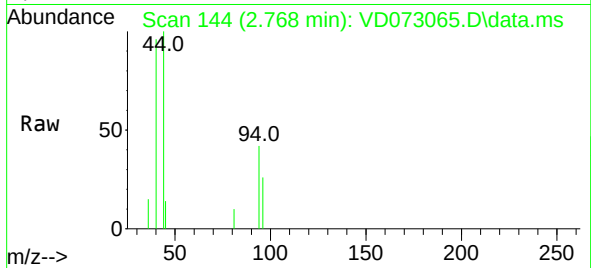




#5
Bromomethane
Concen: 7.295 ug/l
RT: 2.768 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

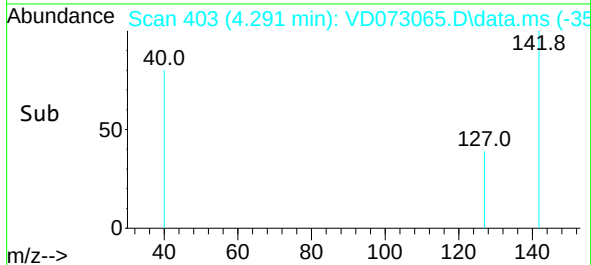
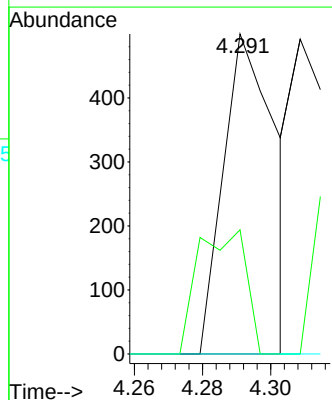
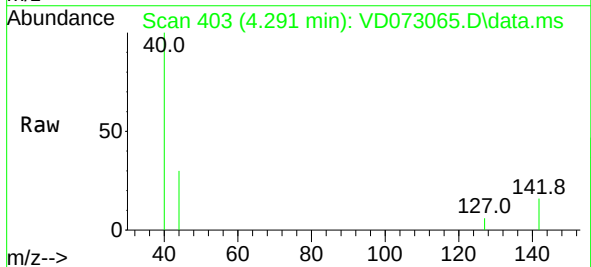
Instrument :
MSVOA_D
ClientSampleId :

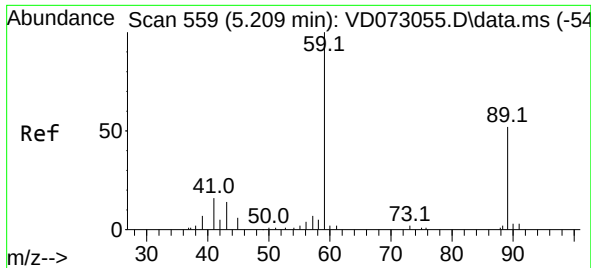
Tgt Ion: 94 Resp: 1312
Ion Ratio Lower Upper
94 100
96 62.5 77.6 116.4#



#10
Methyl Iodide
Concen: 5.792 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Tgt Ion: 142 Resp: 528
Ion Ratio Lower Upper
142 100
127 36.0 37.3 55.9#
141 0.0 11.7 17.5#

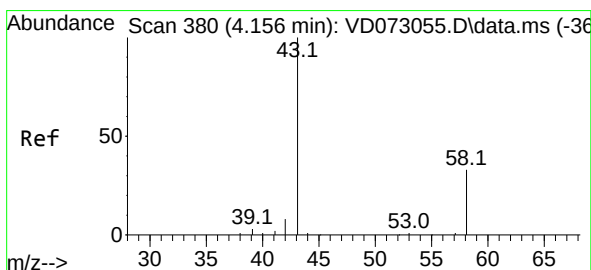
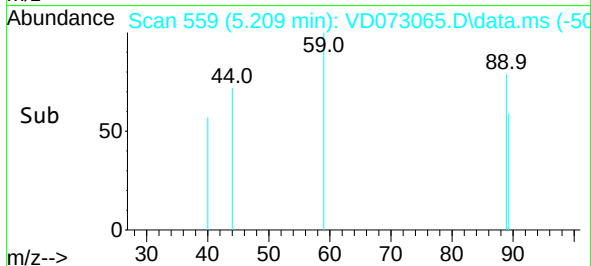
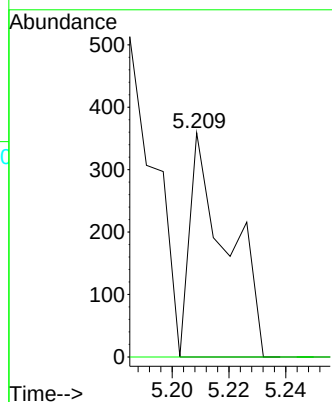
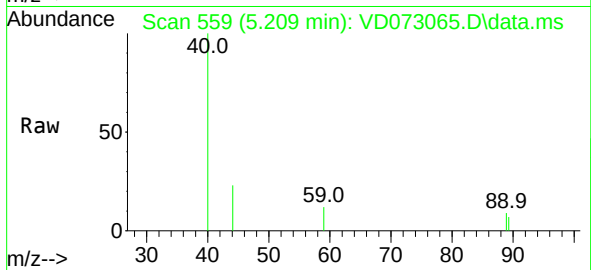




#11
Tert butyl alcohol
Concen: 7.915 ug/l
RT: 5.209 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

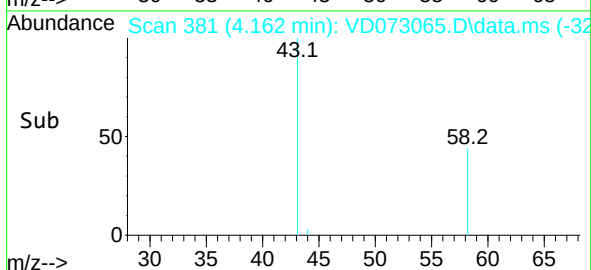
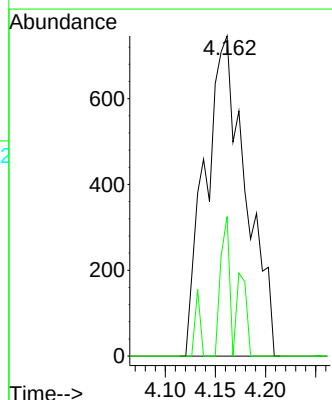
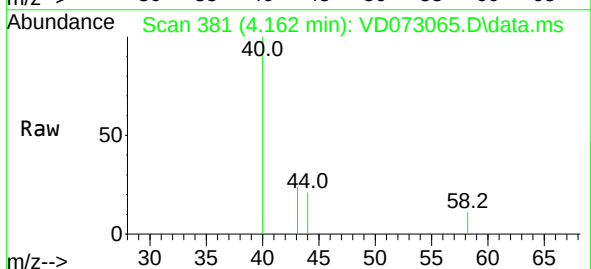
Instrument :
MSVOA_D
ClientSampleId :

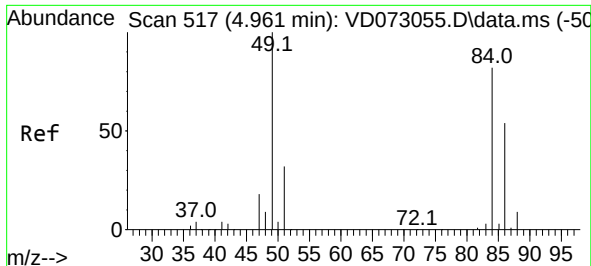
Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 43.362 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

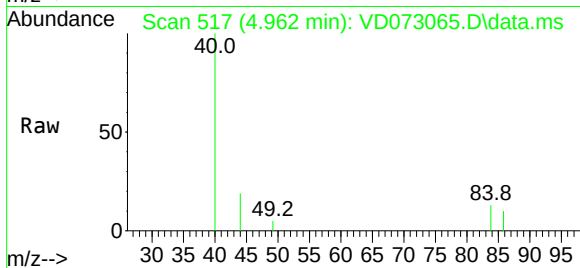
Tgt Ion: 43 Resp: 2096
Ion Ratio Lower Upper
43 100
58 43.6 22.1 33.1#





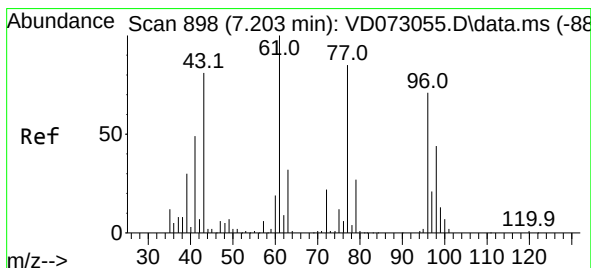
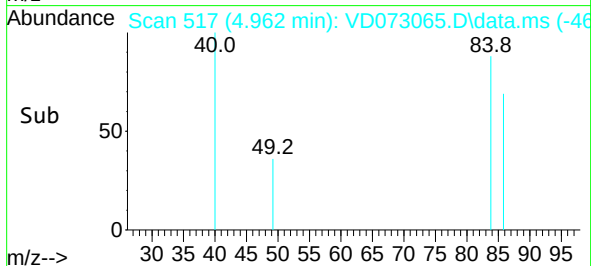
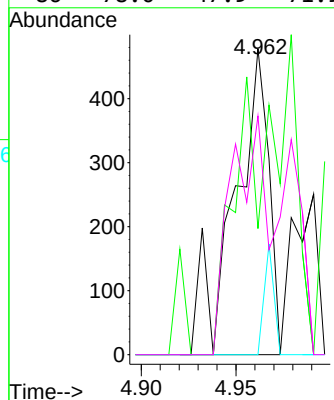
#20
Methylene Chloride
Concen: 1.724 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 605

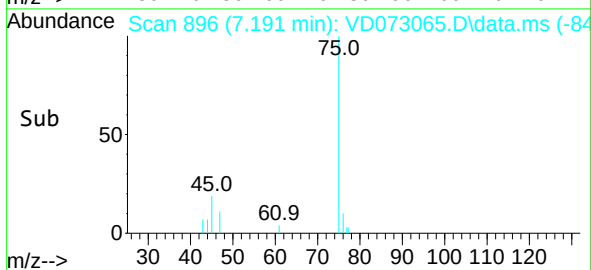
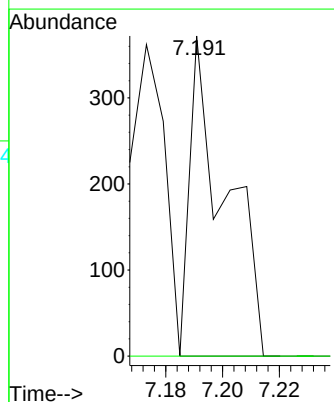
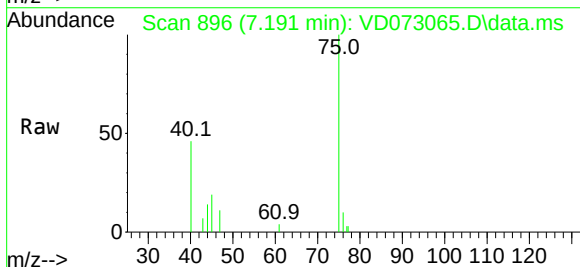
Ion	Ratio	Lower	Upper
84	100		
49	6.7	112.8	169.2#
51	0.0	32.6	48.8#
86	78.0	47.9	71.9#

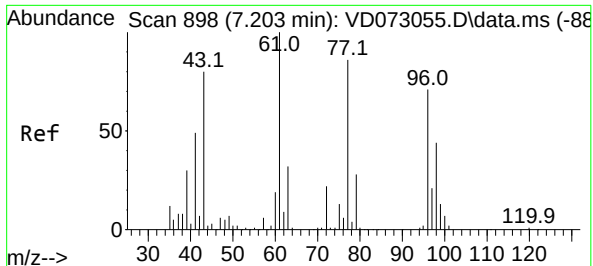


#25
2-Butanone
Concen: 4.440 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Tgt Ion: 43 Resp: 325

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#26

2,2-Dichloropropane

Concen: 1.629 ug/l

RT: 7.173 min Scan# 89

Delta R.T. -0.029 min

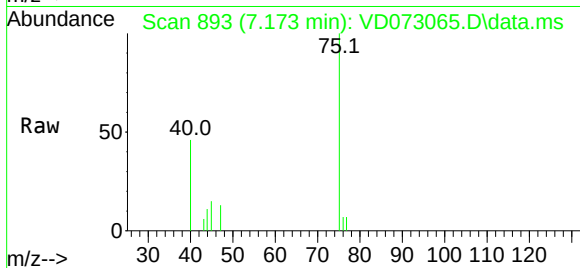
Lab File: VD073065.D

Acq: 17 May 2022 19:06

Instrument :

MSVOA_D

ClientSampleId :

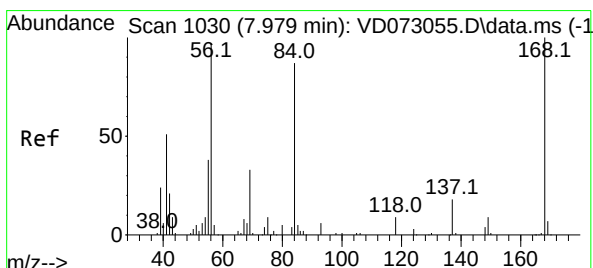
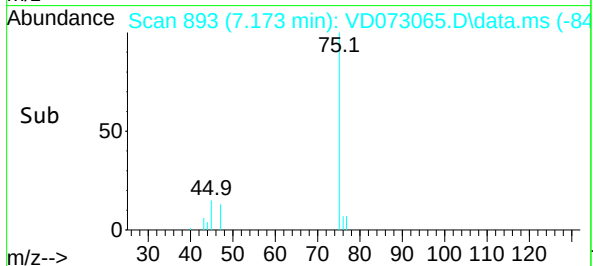
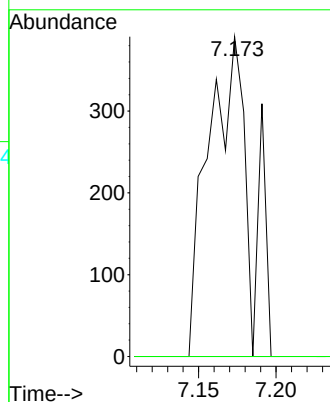


Tgt Ion: 77 Resp: 724

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073065.D

Acq: 17 May 2022 19:06

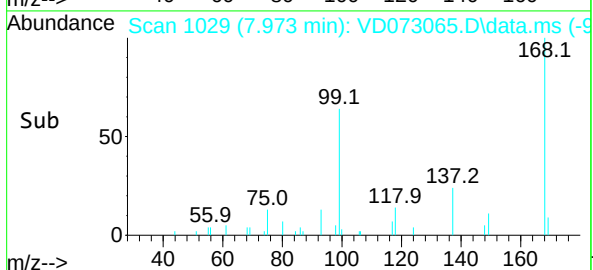
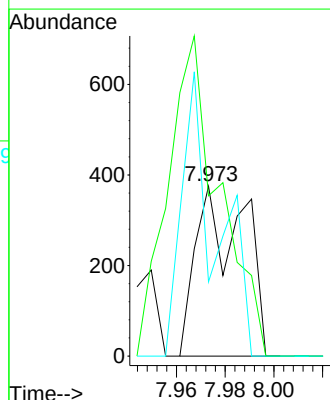
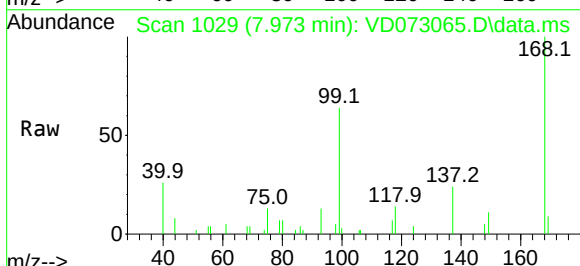
Tgt Ion: 56 Resp: 510

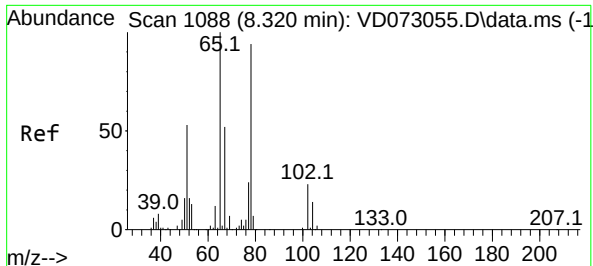
Ion Ratio Lower Upper

56 100

69 94.4 25.4 38.2#

84 43.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 85.343 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD073065.D

Acq: 17 May 2022 19:06

Instrument :

MSVOA_D

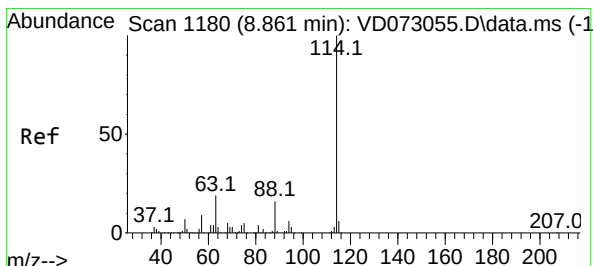
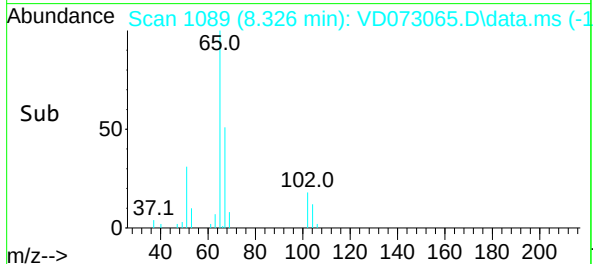
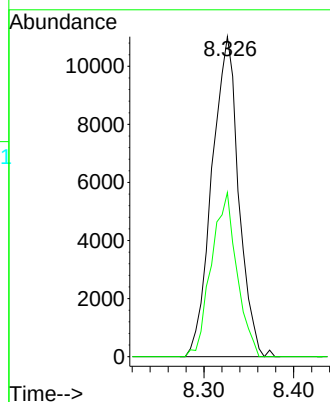
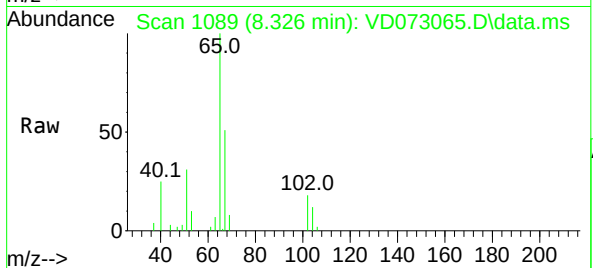
ClientSampleId :

Tgt Ion: 65 Resp: 22796

Ion Ratio Lower Upper

65 100

67 49.1 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: VD073065.D

Acq: 17 May 2022 19:06

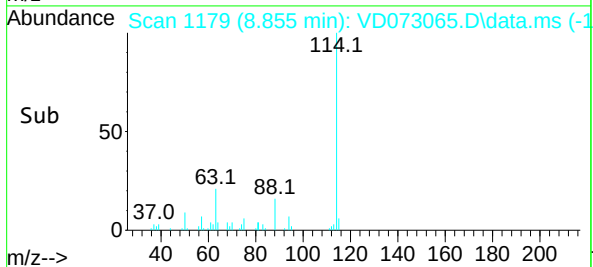
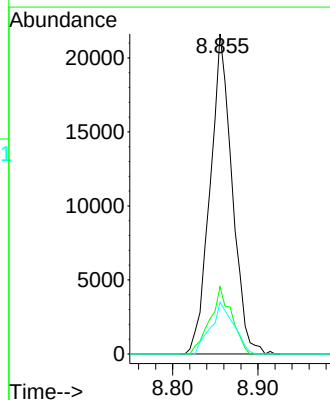
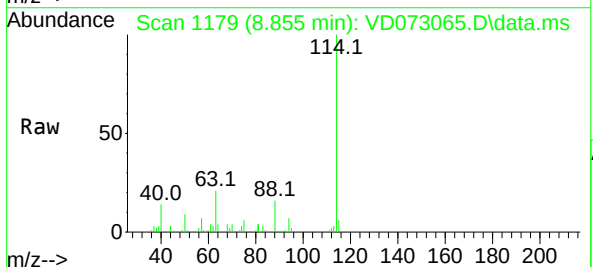
Tgt Ion: 114 Resp: 38883

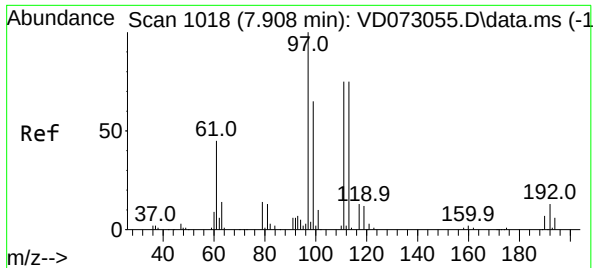
Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 16.1 0.0 33.2

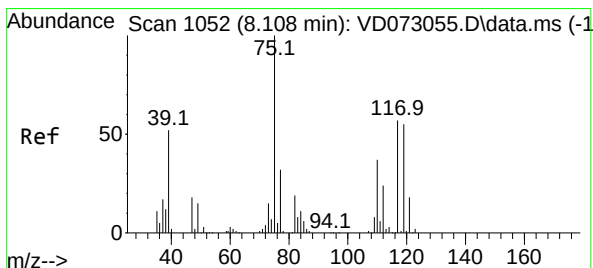
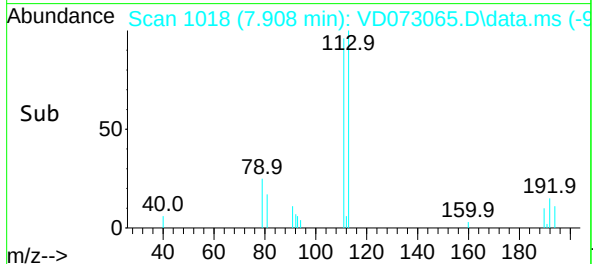
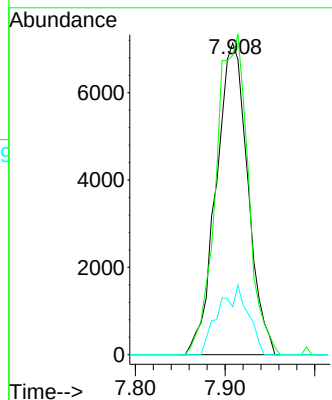
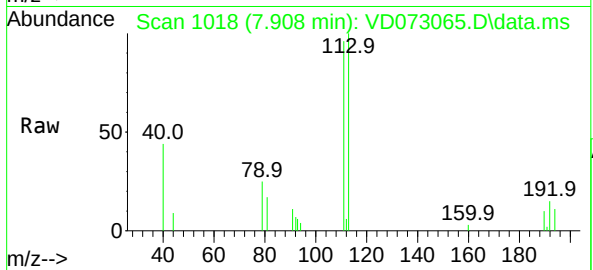




#35
Dibromofluoromethane
Concen: 64.091 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

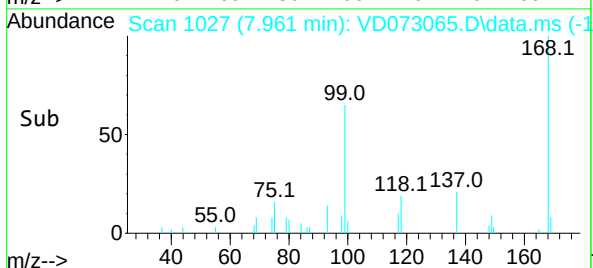
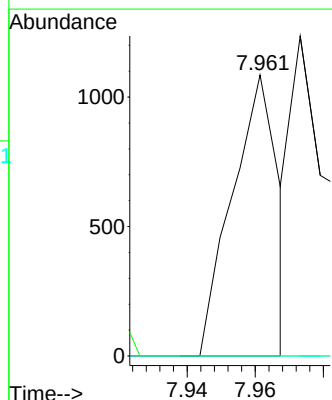
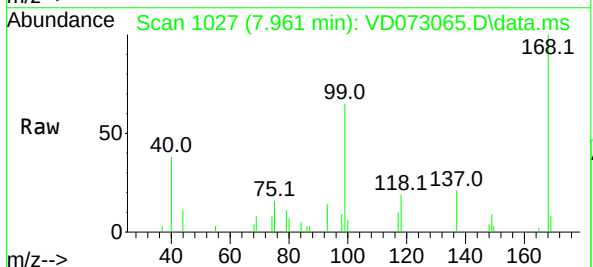
Instrument :
MSVOA_D
ClientSampleId :

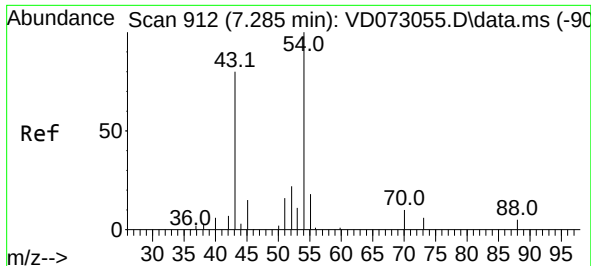
Tgt Ion:113 Resp: 17497
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 11.4 14.6 21.8#



#36
1,1-Dichloropropene
Concen: 2.322 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.147 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Tgt Ion: 75 Resp: 1033
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.740 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.094 min

Lab File: VD073065.D

Acq: 17 May 2022 19:06

Instrument :

MSVOA_D

ClientSampleId :

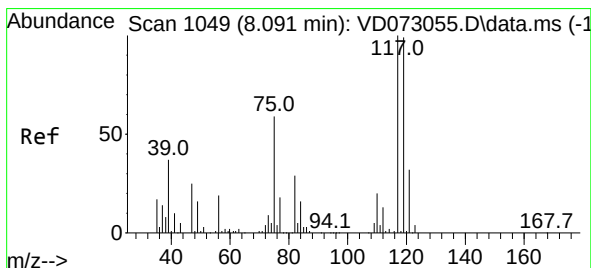
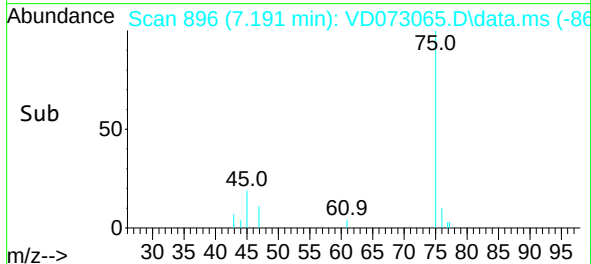
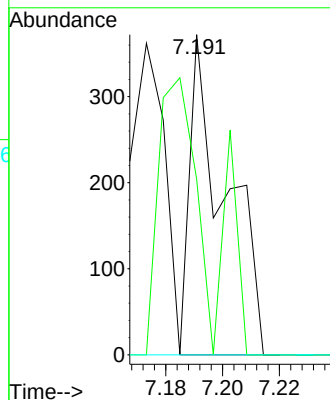
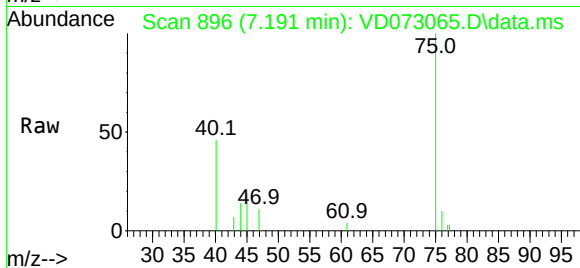
Tgt Ion: 43 Resp: 325

Ion Ratio Lower Upper

43 100

61 89.5 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.849 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.123 min

Lab File: VD073065.D

Acq: 17 May 2022 19:06

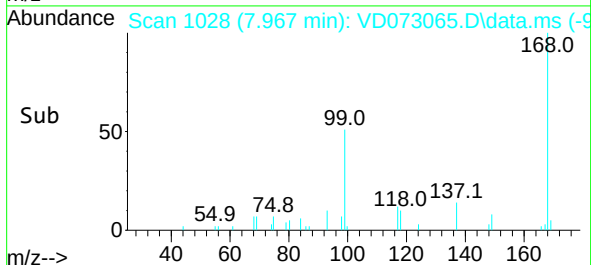
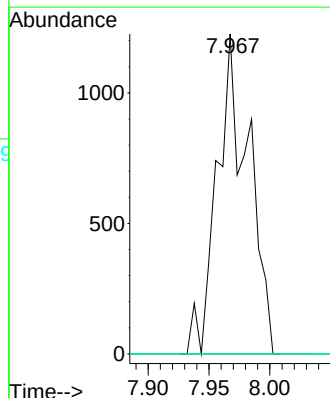
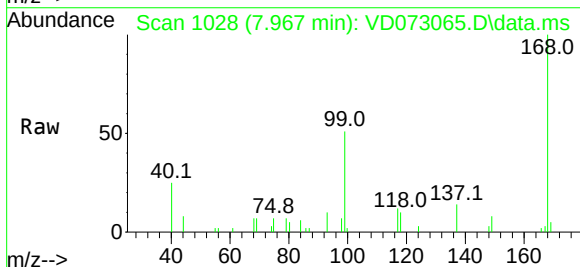
Tgt Ion: 117 Resp: 2207

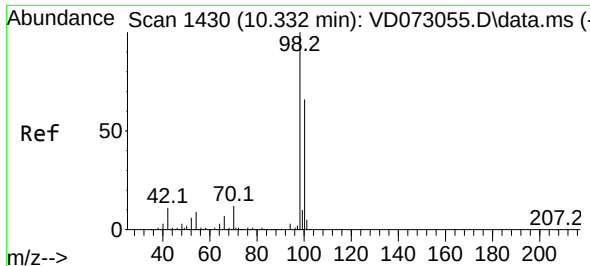
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

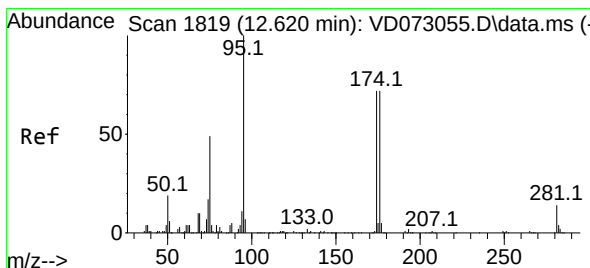
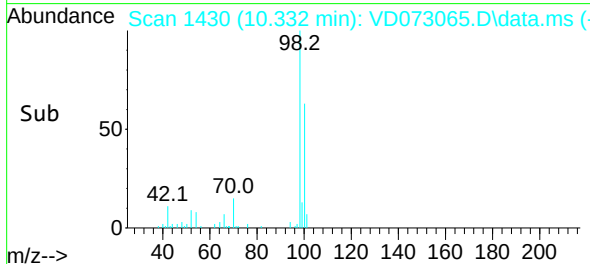
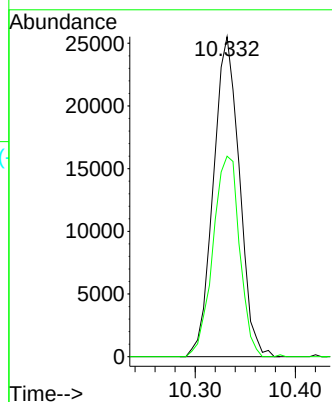
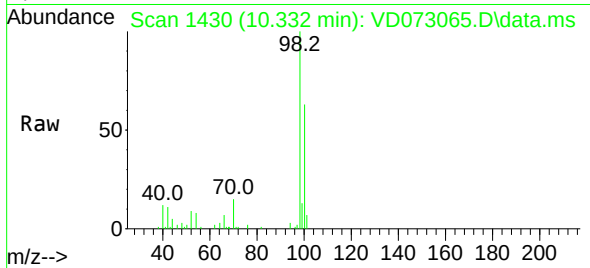




#50
Toluene-d8
Concen: 46.427 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

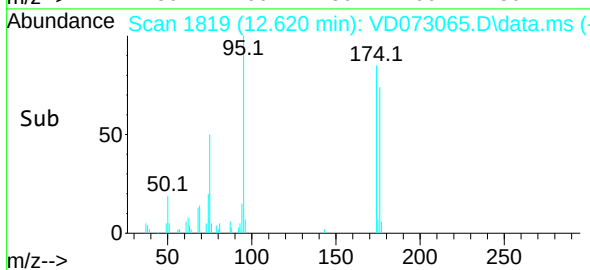
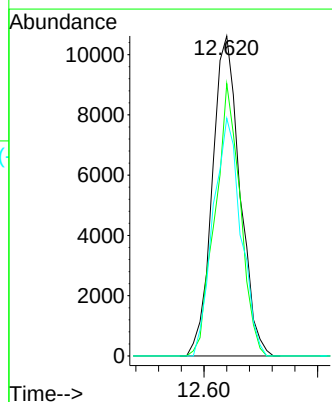
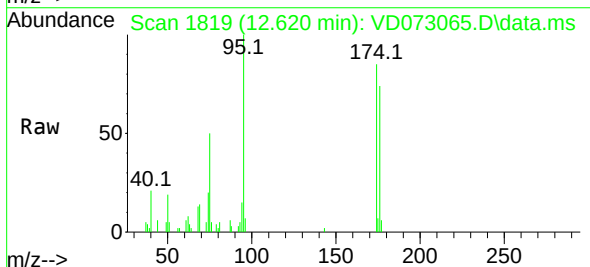
Instrument :
MSVOA_D
ClientSampleId :

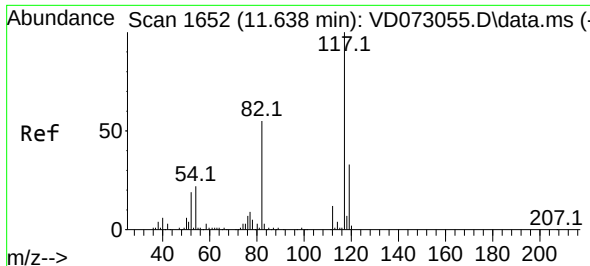
Tgt Ion: 98 Resp: 45981
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.878 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

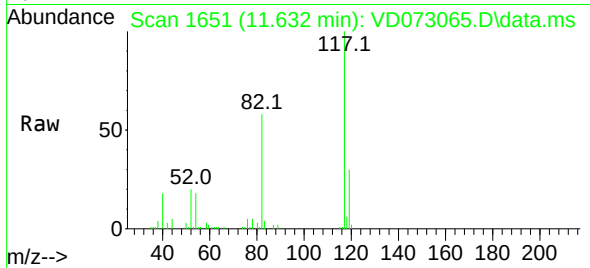
Tgt Ion: 95 Resp: 17892
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 75.1 0.0 145.4



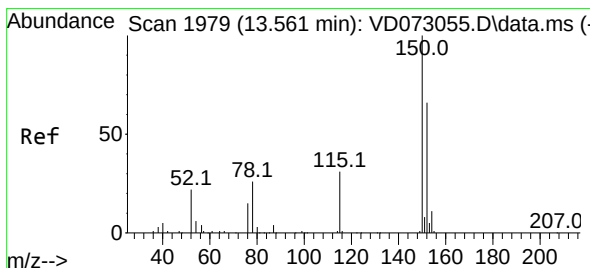
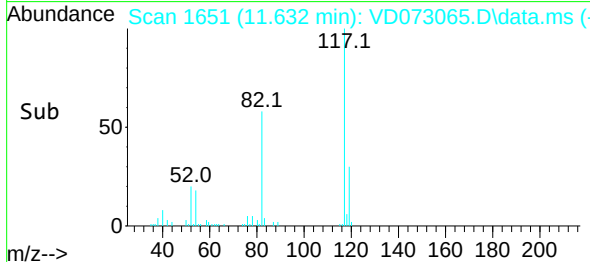
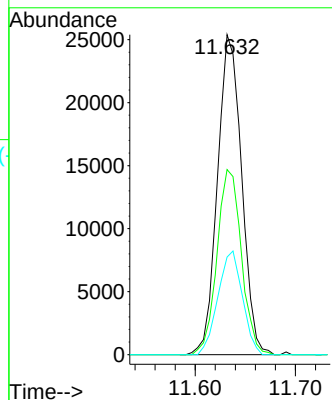


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Instrument :
MSVOA_D
ClientSampleId :

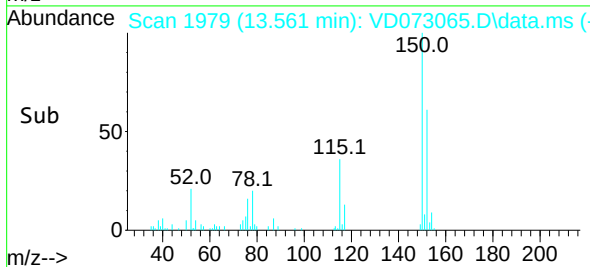
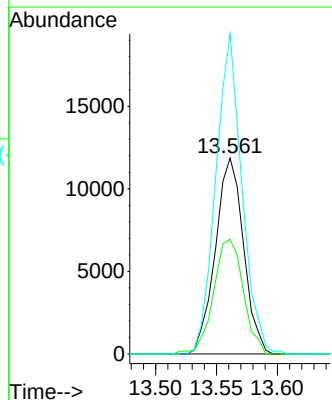
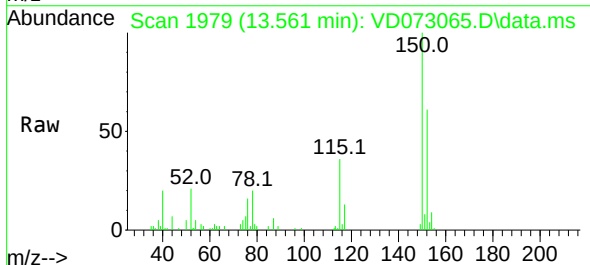


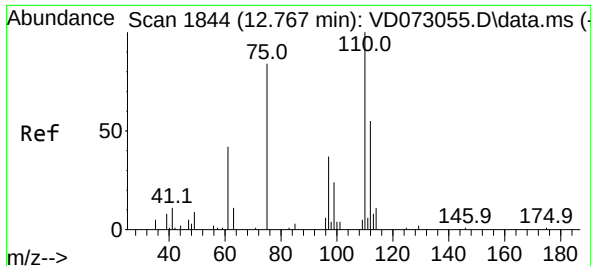
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.3	67.9
119	30.5	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.3	93.8
150	152.1	0.0	348.6

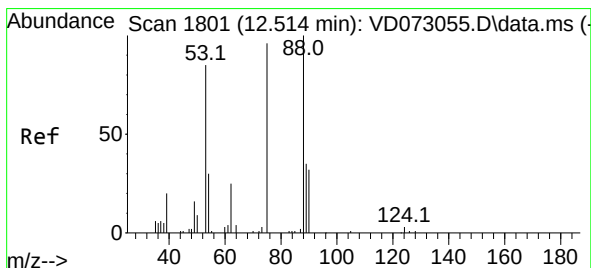
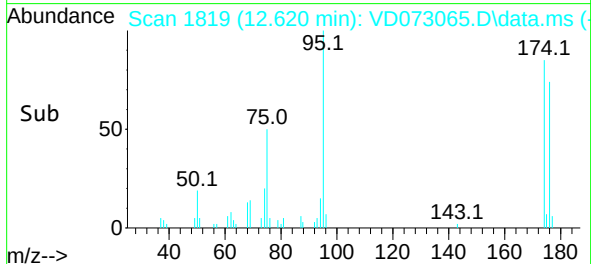
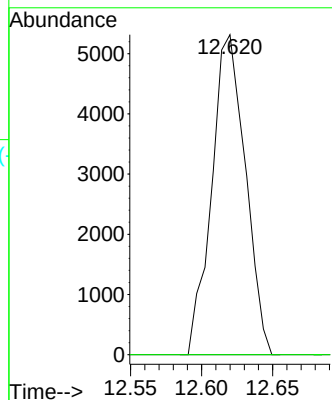
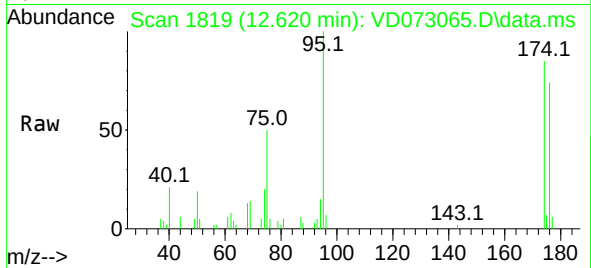




#76
1,2,3-Trichloropropane
Concen: 40.704 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

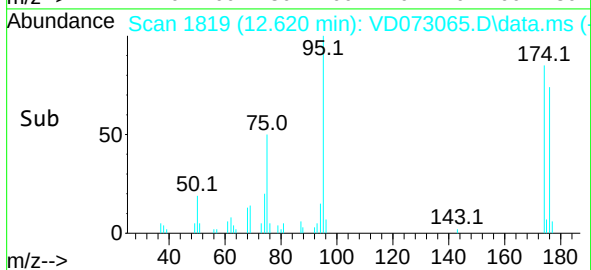
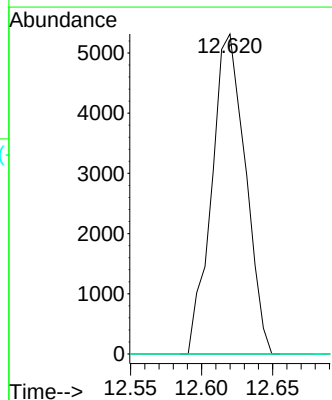
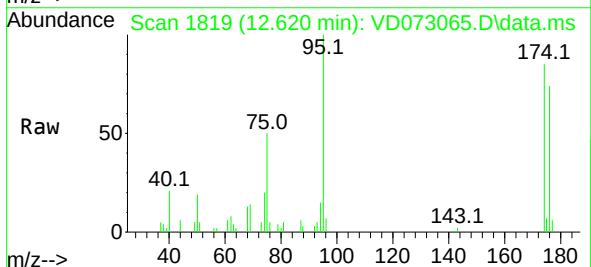
Instrument :
MSVOA_D
ClientSampleId :

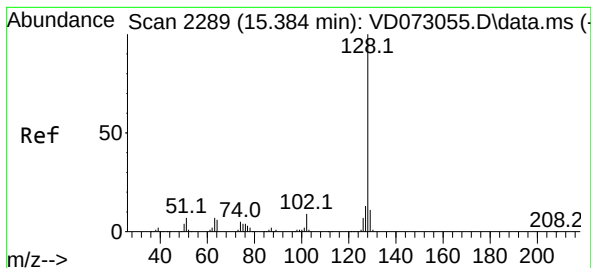
Tgt Ion: 75 Resp: 8783
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 97.599 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

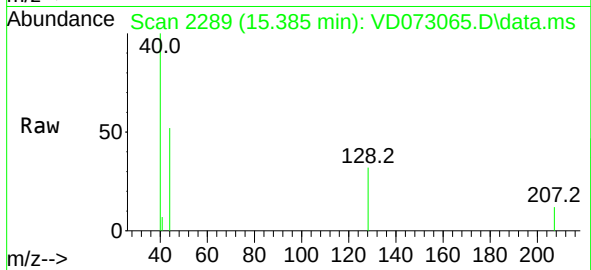
Tgt Ion: 75 Resp: 8783
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 5.287 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.001 min
Lab File: VD073065.D
Acq: 17 May 2022 19:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 835
Ion Ratio Lower Upper
128 100
127 7.9 10.3 15.5#
129 0.0 8.4 12.6#

