

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073432.D
 Acq On : 31 May 2022 18:41
 Operator : VA/SY
 Sample : N3104-04RE
 Misc : 4.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 01 01:38:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

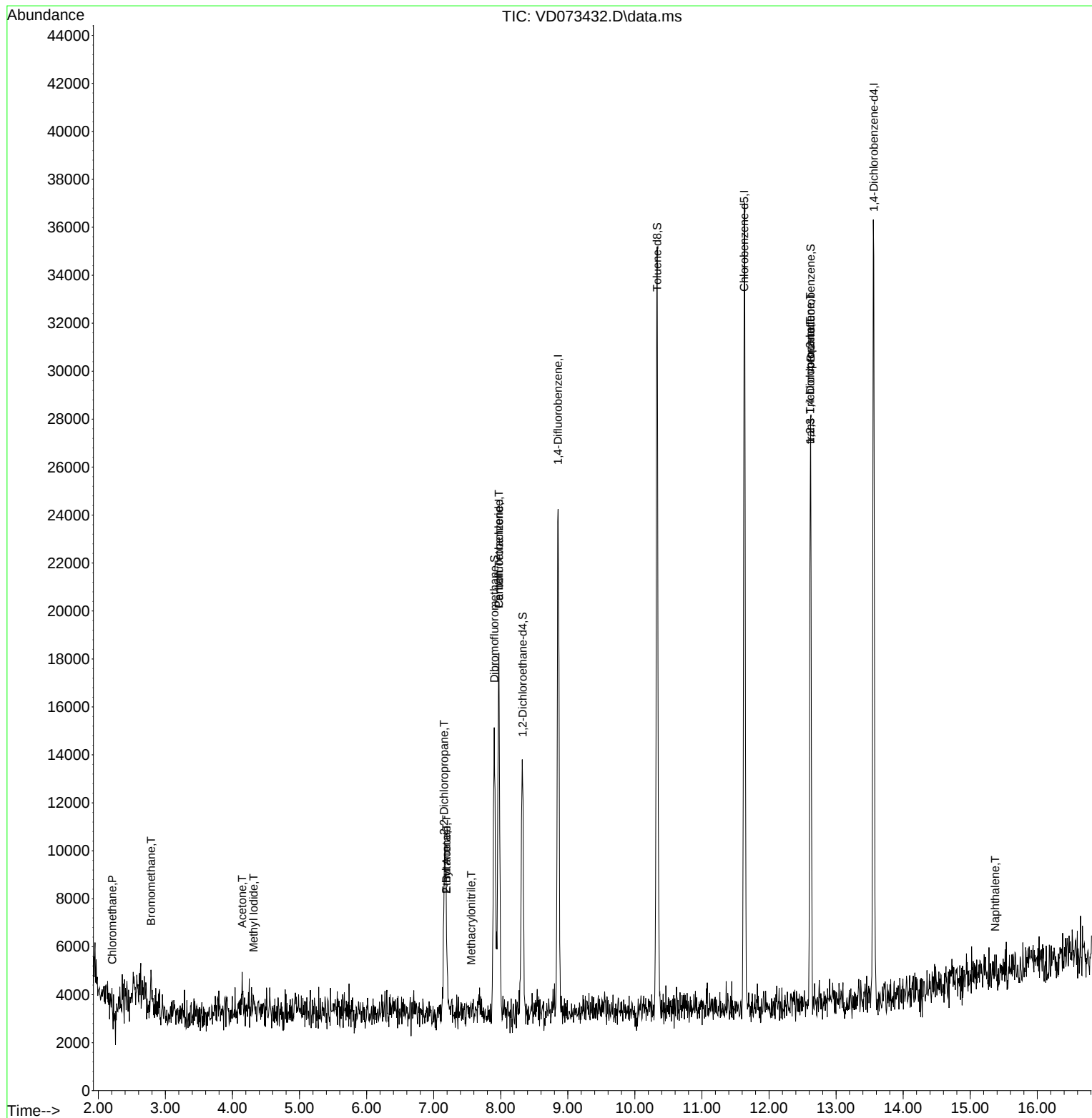
Internal Standards						
1) Pentafluorobenzene	7.973	168	11028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	18529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	20067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	9100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9144	75.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.060%	
35) Dibromofluoromethane	7.903	113	8599	70.330	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.660%	
50) Toluene-d8	10.332	98	22085	49.001	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.000%	
62) 4-Bromofluorobenzene	12.620	95	8675	54.846	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	447	3.587	ug/l #	40
5) Bromomethane	2.785	94	774	7.137	ug/l #	58
10) Methyl Iodide	4.315	142	376	2.899	ug/l #	75
16) Acetone	4.144	43	1114	52.771	ug/l #	71
20) Methylene Chloride	4.973	84	179	Below Cal	#	2
25) 2-Butanone	7.191	43	181	5.860	ug/l #	52
26) 2,2-Dichloropropane	7.156	77	588	2.864	ug/l #	54
37) Ethyl Acetate	7.191	43	181	2.492	ug/l #	12
38) Carbon Tetrachloride	7.973	117	1200	6.438	ug/l #	13
41) Methacrylonitrile	7.561	41	74	1.749	ug/l #	27
76) 1,2,3-Trichloropropane	12.614	75	4571	51.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	4571	122.903	ug/l #	7
95) Naphthalene	15.373	128	133	3.956	ug/l #	70

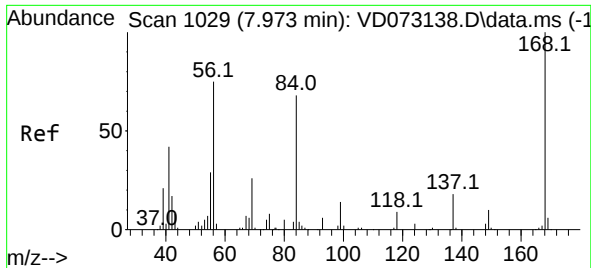
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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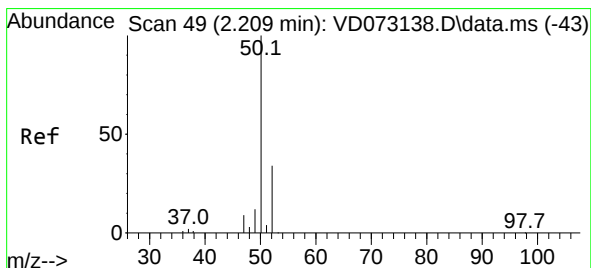
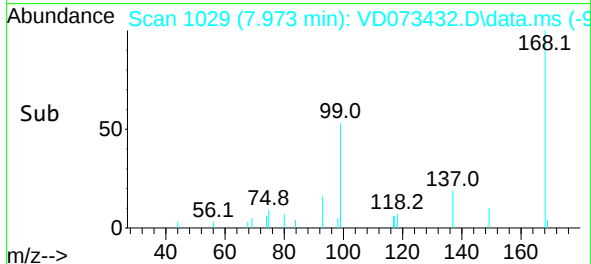
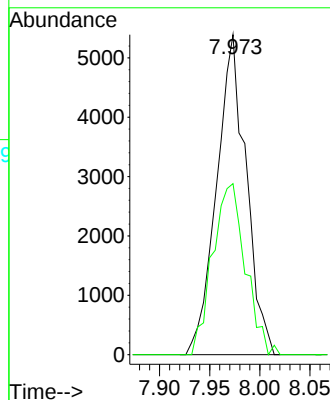
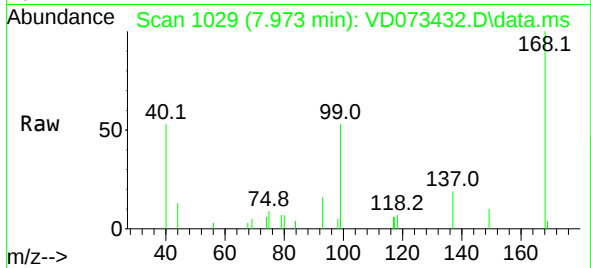




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

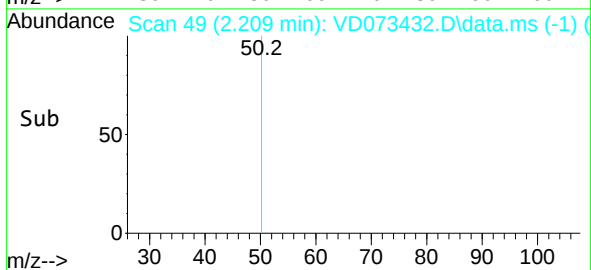
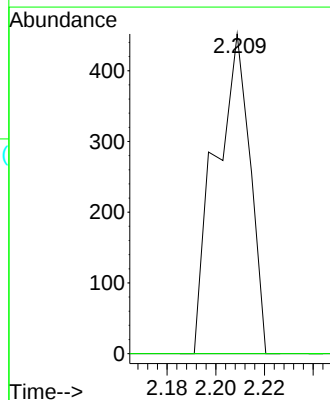
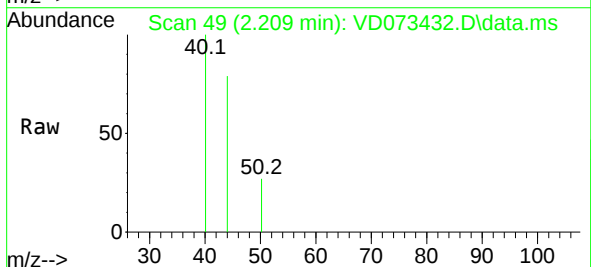
Instrument :
MSVOA_D
ClientSampleId :

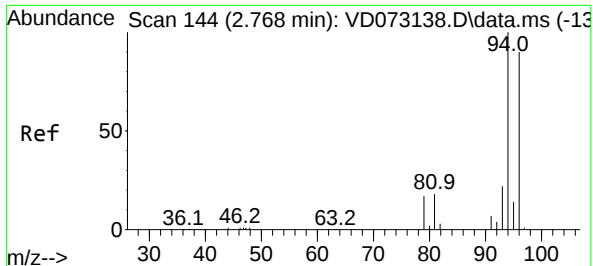
Tgt Ion:168 Resp: 11028
Ion Ratio Lower Upper
168 100
99 53.4 49.8 74.6



#3
Chloromethane
Concen: 3.587 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Tgt Ion: 50 Resp: 447
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

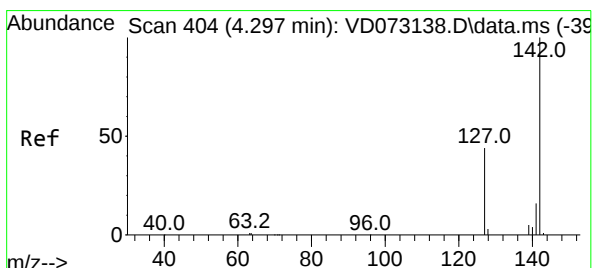
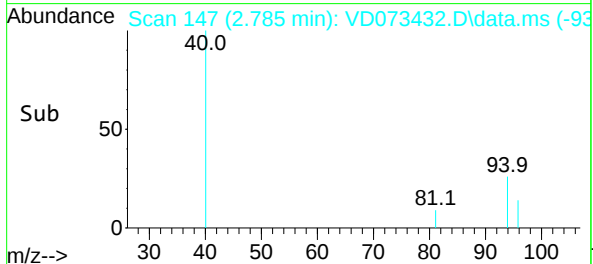
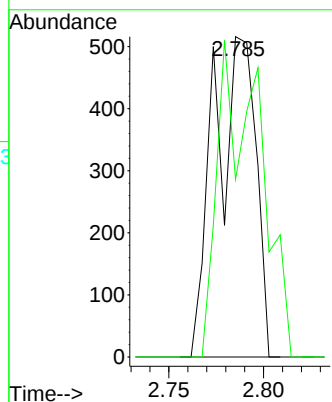
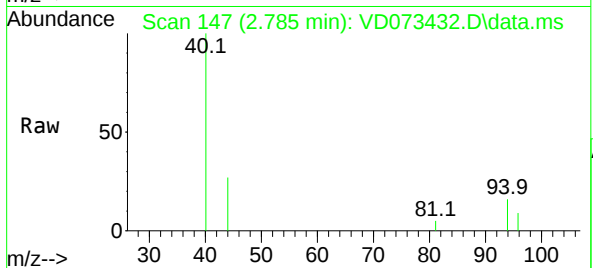




#5
Bromomethane
Concen: 7.137 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

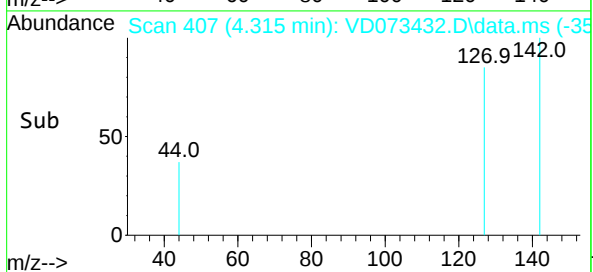
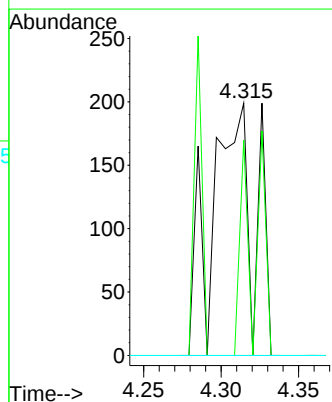
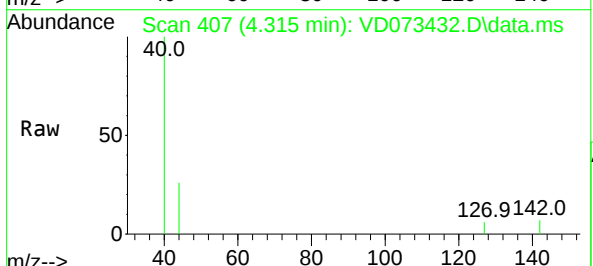
Instrument :
MSVOA_D
ClientSampleId :

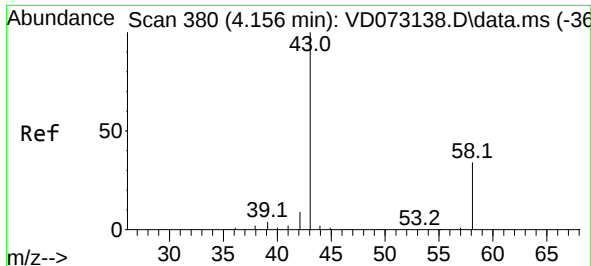
Tgt Ion: 94 Resp: 774
Ion Ratio Lower Upper
94 100
96 55.4 77.6 116.4#



#10
Methyl Iodide
Concen: 2.899 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Tgt Ion:142 Resp: 376
Ion Ratio Lower Upper
142 100
127 32.4 37.3 55.9#
141 0.0 11.7 17.5#

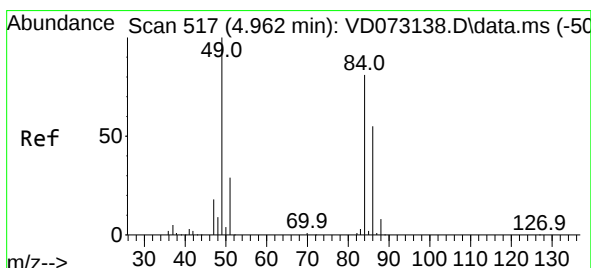
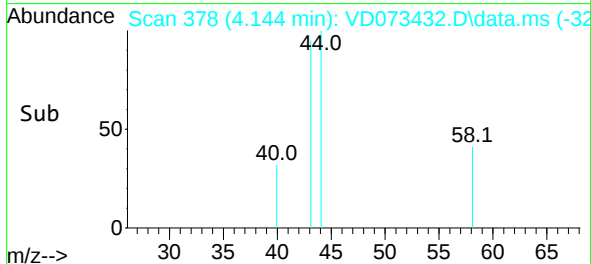
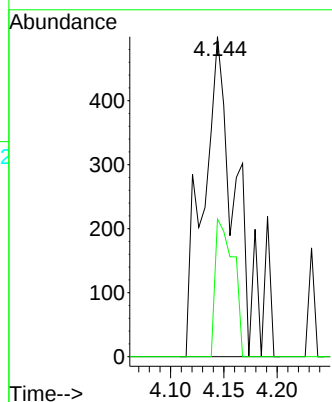
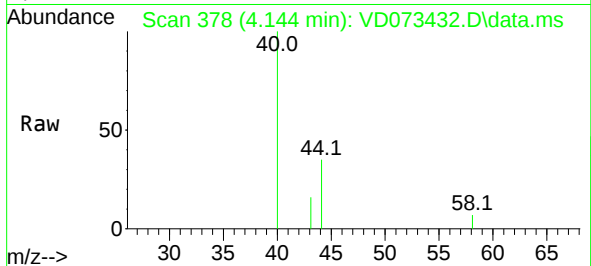




#16
Acetone
Concen: 52.771 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

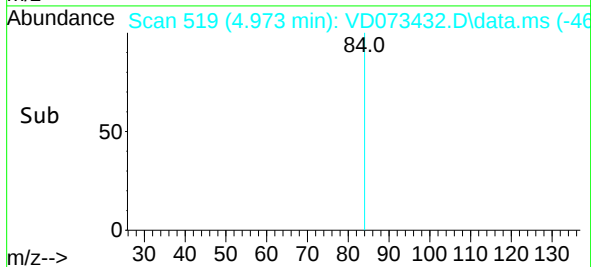
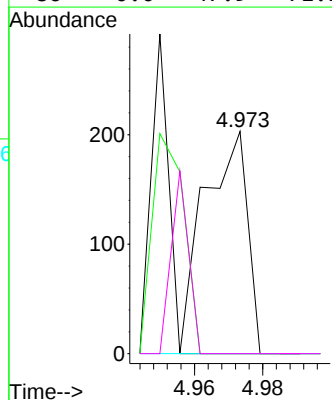
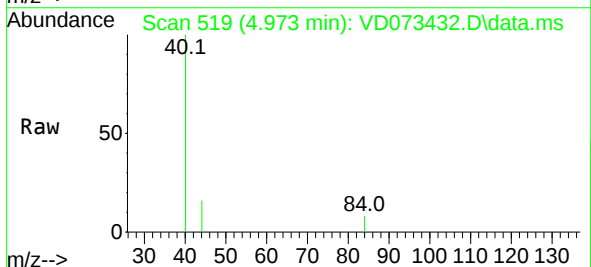
Instrument :
MSVOA_D
ClientSampleId :

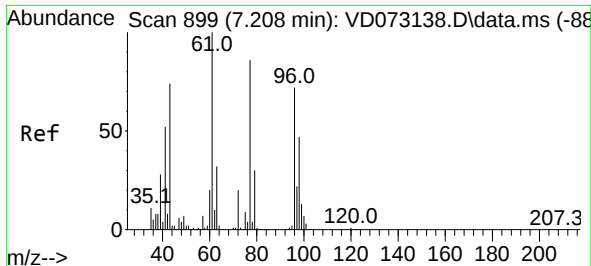
Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
58 43.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Tgt Ion: 84 Resp: 179
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#

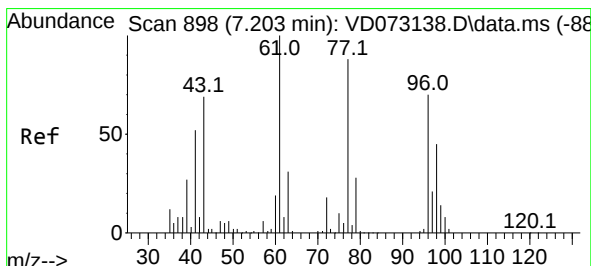
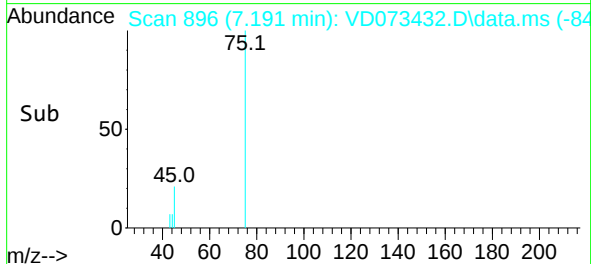
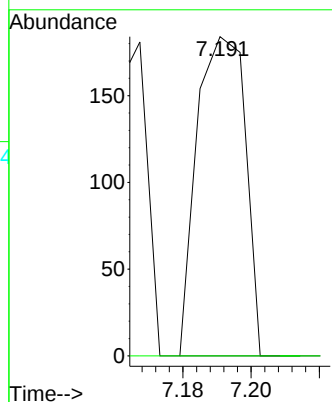
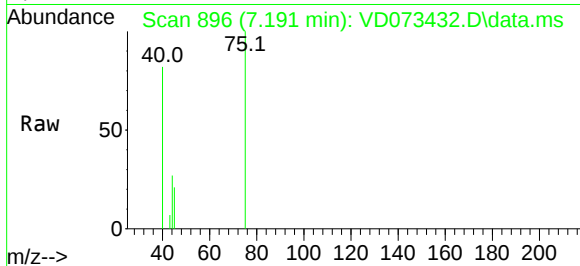




#25
2-Butanone
Concen: 5.860 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.017 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

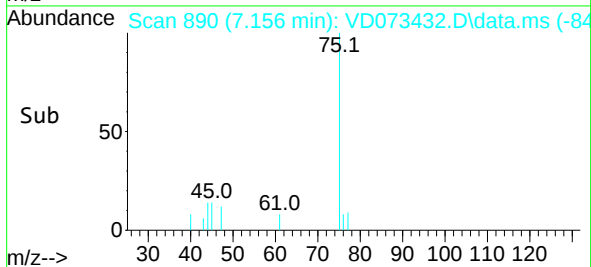
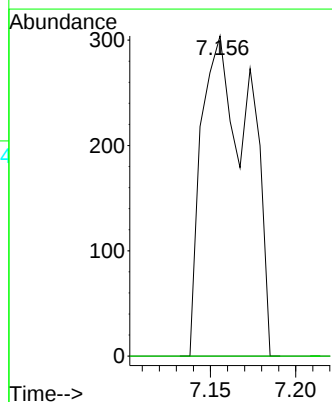
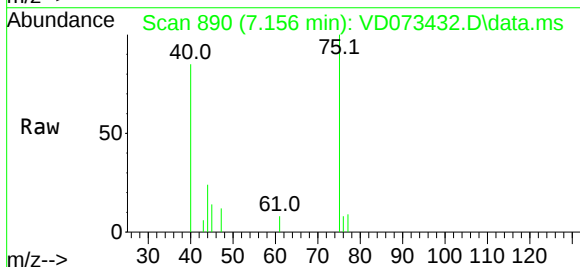
Instrument :
MSVOA_D
ClientSampleId :

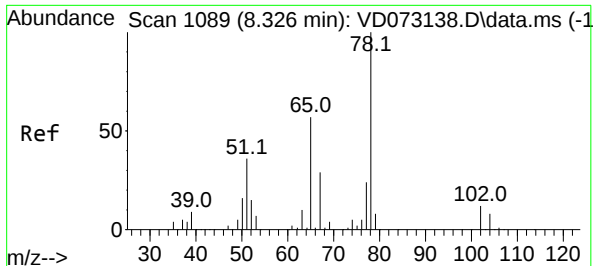
Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 2.864 ug/l
RT: 7.156 min Scan# 890
Delta R.T. -0.047 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Tgt Ion: 77 Resp: 588
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#33

1,2-Dichloroethane-d4

Concen: 75.028 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073432.D

Acq: 31 May 2022 18:41

Instrument :

MSVOA_D

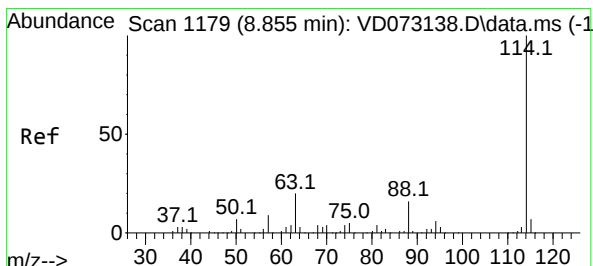
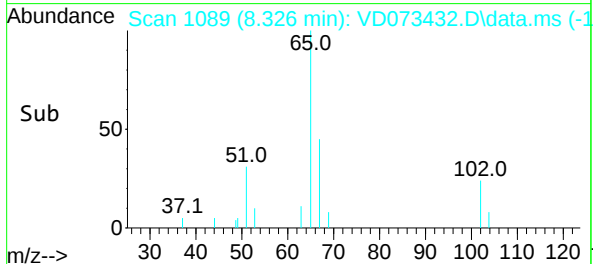
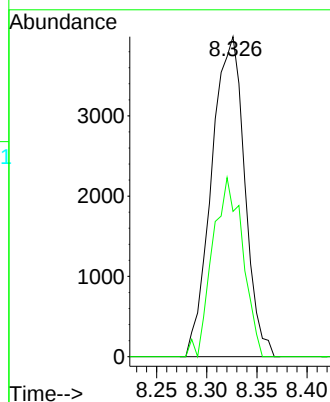
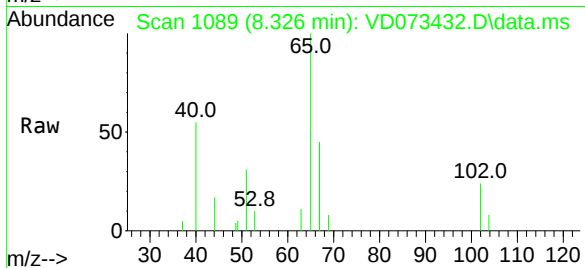
ClientSampleId :

Tgt Ion: 65 Resp: 9144

Ion Ratio Lower Upper

65 100

67 51.1 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: VD073432.D

Acq: 31 May 2022 18:41

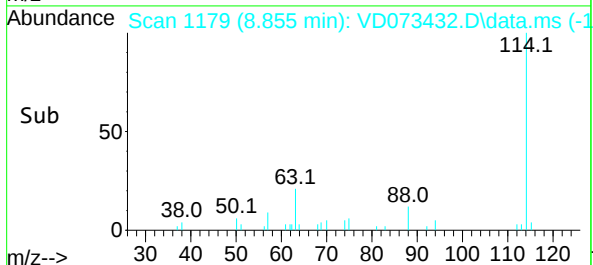
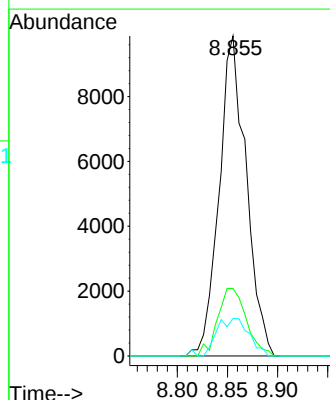
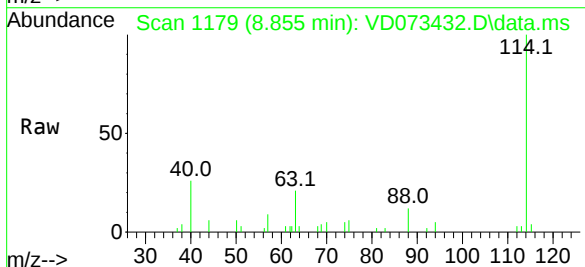
Tgt Ion: 114 Resp: 18529

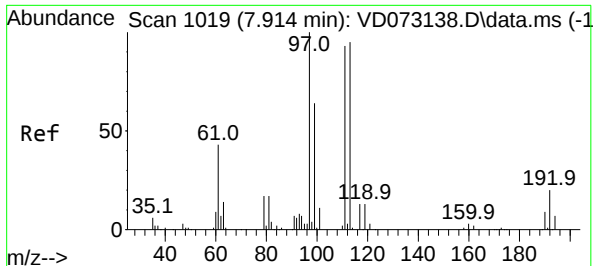
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 11.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 70.330 ug/l

RT: 7.903 min Scan# 1019

Delta R.T. -0.011 min

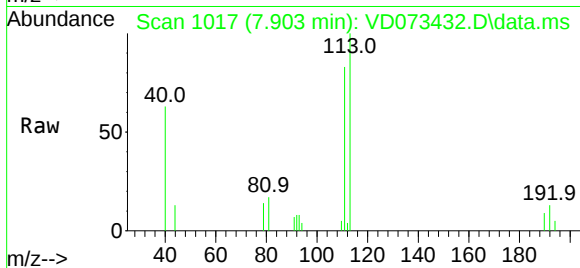
Lab File: VD073432.D

Acq: 31 May 2022 18:41

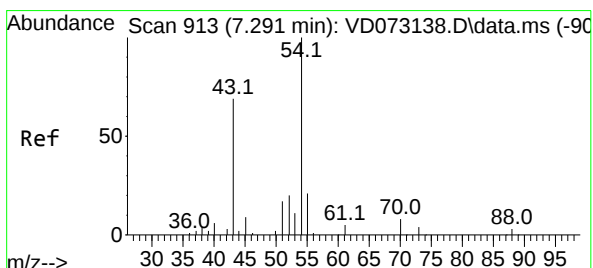
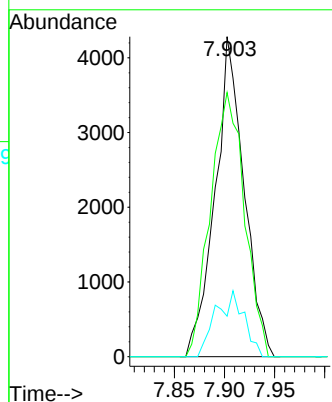
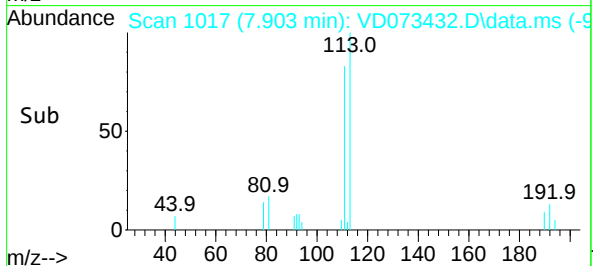
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	8599
Ion	Ratio	Lower	Upper
113	100		
111	97.0	83.8	125.6
192	20.0	14.6	21.8



#37

Ethyl Acetate

Concen: 2.492 ug/l

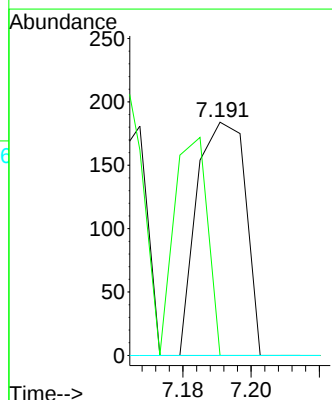
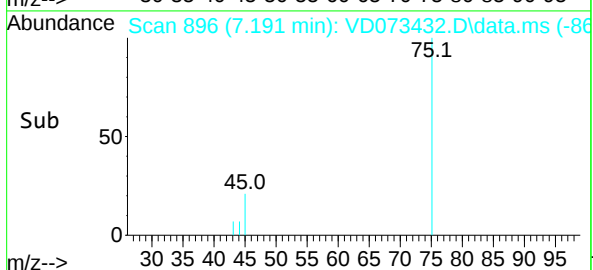
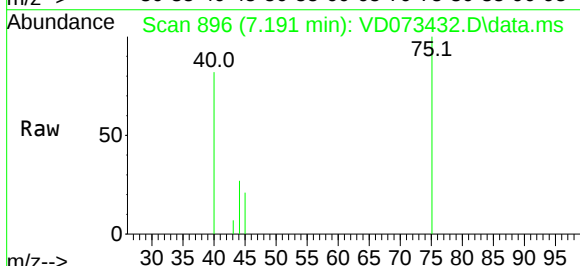
RT: 7.191 min Scan# 896

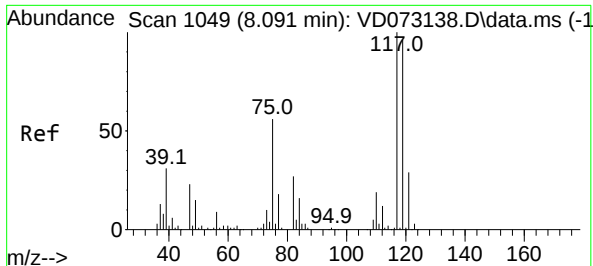
Delta R.T. -0.100 min

Lab File: VD073432.D

Acq: 31 May 2022 18:41

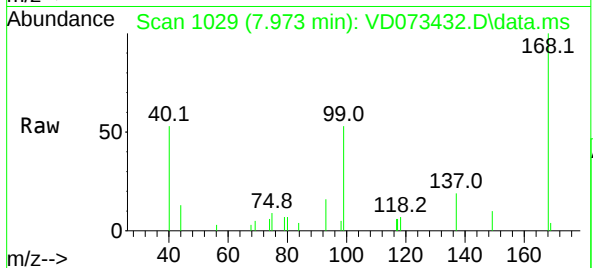
Tgt Ion:	43	Resp:	181
Ion	Ratio	Lower	Upper
43	100		
61	64.1	9.8	14.8#
70	0.0	6.9	10.3#



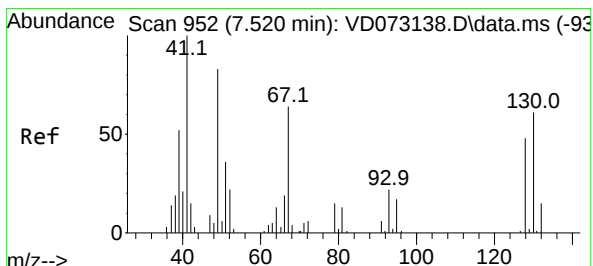
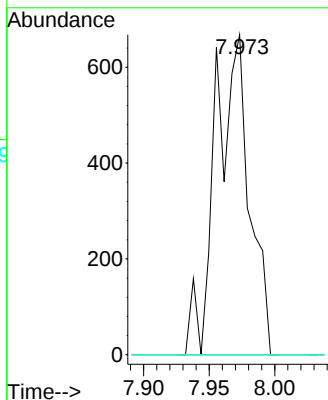
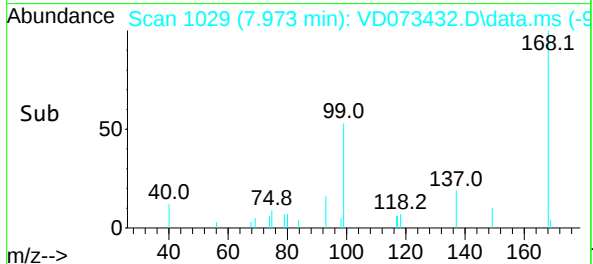


#38
Carbon Tetrachloride
Concen: 6.438 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Instrument :
MSVOA_D
ClientSampleId :

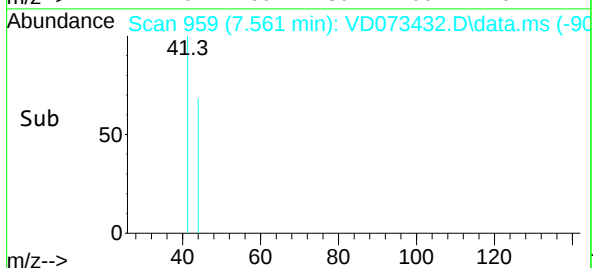
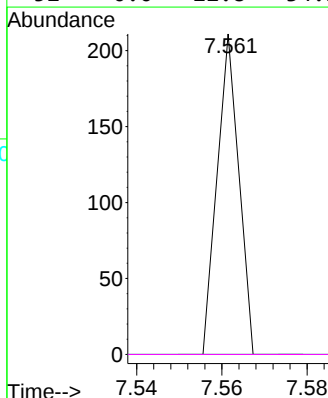
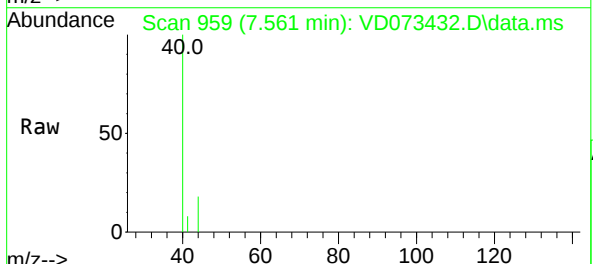


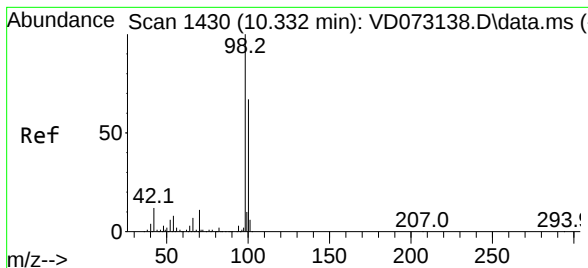
Tgt Ion: 117 Resp: 1200
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.749 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.041 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Tgt Ion: 41 Resp: 74
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

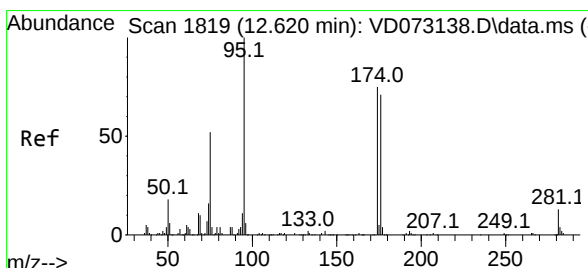
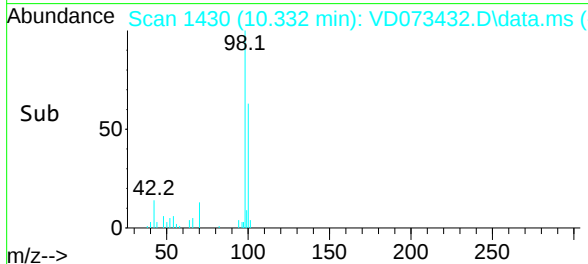
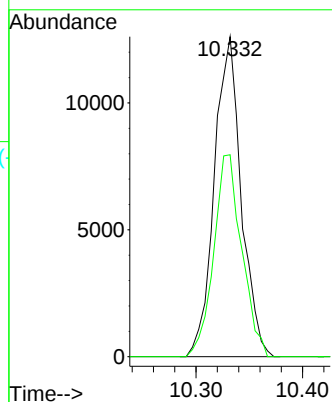
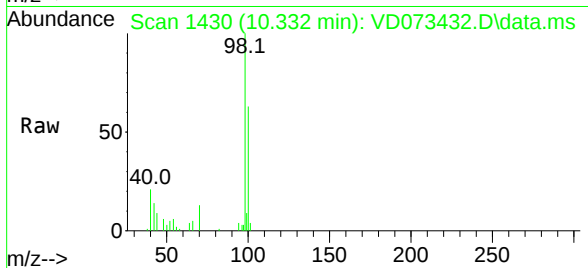




#50
Toluene-d8
Concen: 49.001 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

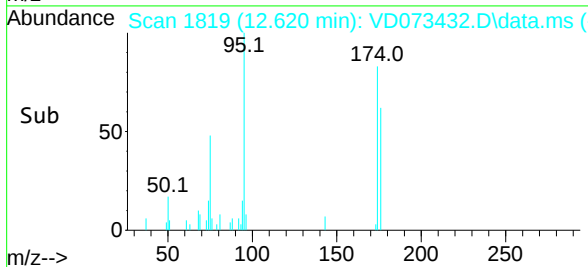
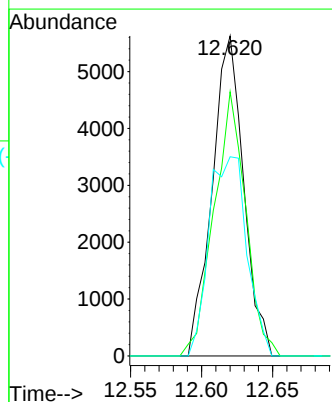
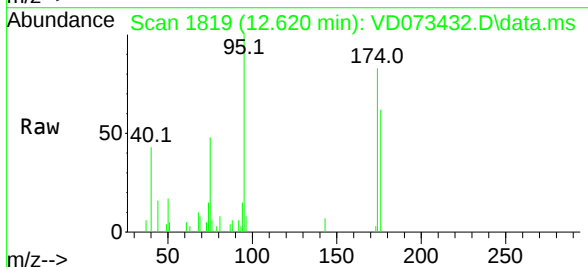
Instrument :
MSVOA_D
ClientSampleId :

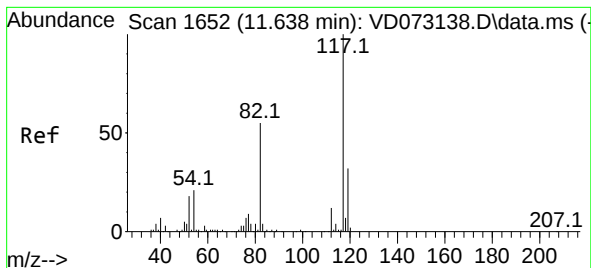
Tgt Ion: 98 Resp: 22085
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.846 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Tgt Ion: 95 Resp: 8675
Ion Ratio Lower Upper
95 100
174 82.8 0.0 152.8
176 75.1 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

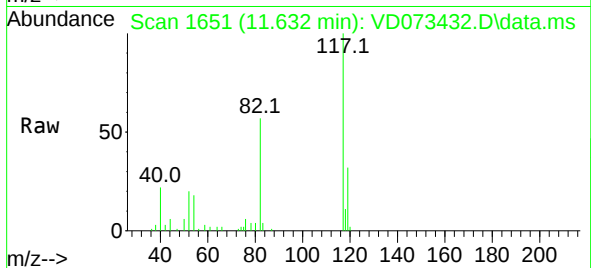
Lab File: VD073432.D

Acq: 31 May 2022 18:41

Instrument :

MSVOA_D

ClientSampleId :



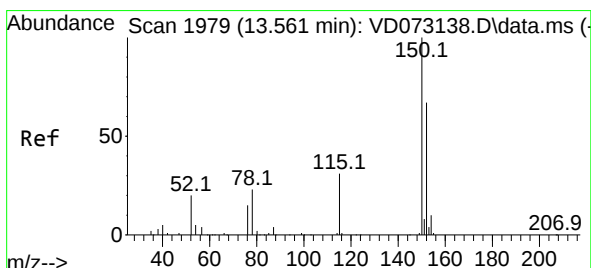
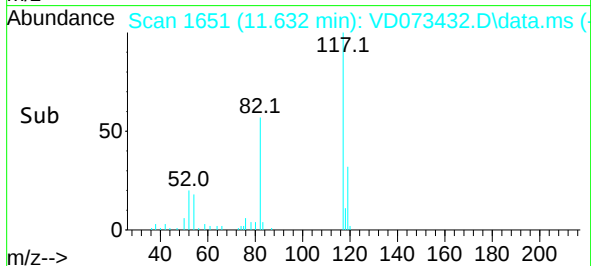
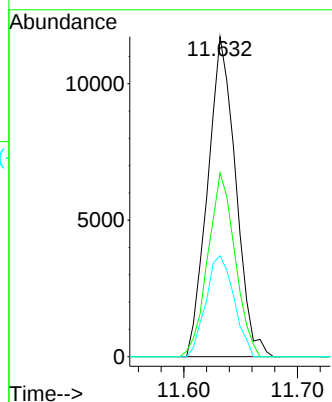
Tgt Ion:117 Resp: 20067

Ion Ratio Lower Upper

117 100

82 57.4 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: VD073432.D

Acq: 31 May 2022 18:41

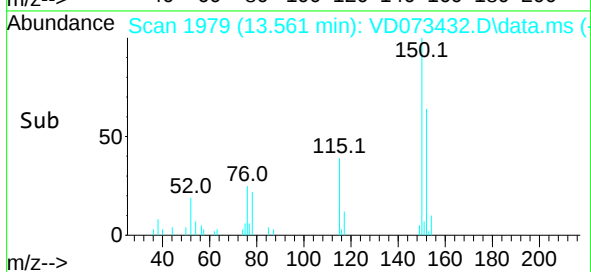
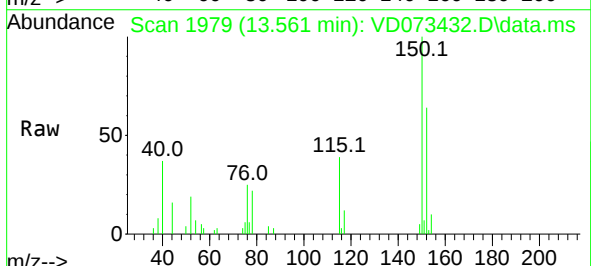
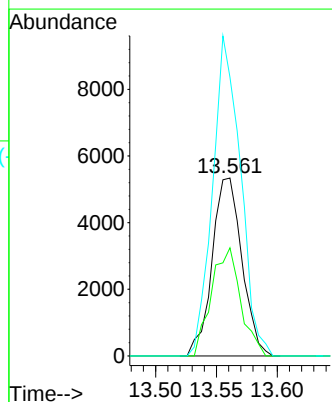
Tgt Ion:152 Resp: 9100

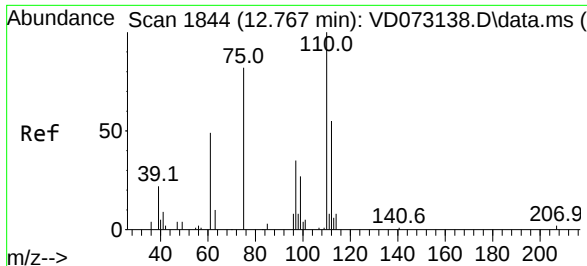
Ion Ratio Lower Upper

152 100

115 59.5 31.3 93.8

150 167.9 0.0 348.6

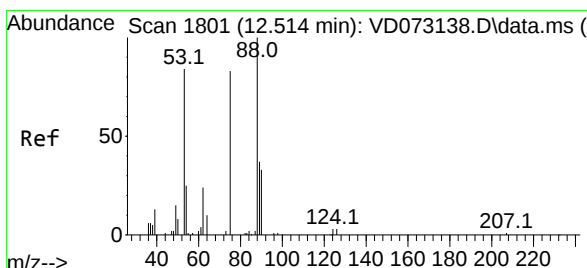
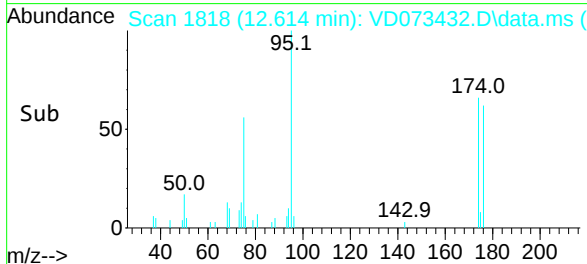
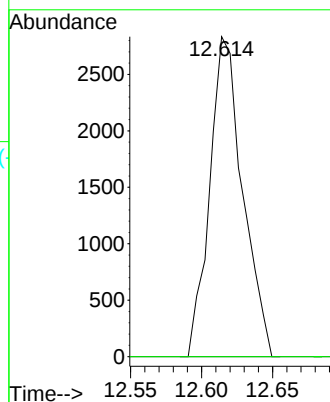
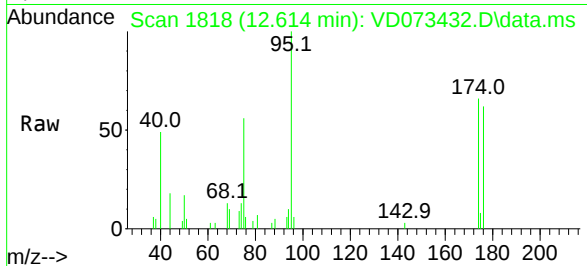




#76
1,2,3-Trichloropropane
Concen: 51.195 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

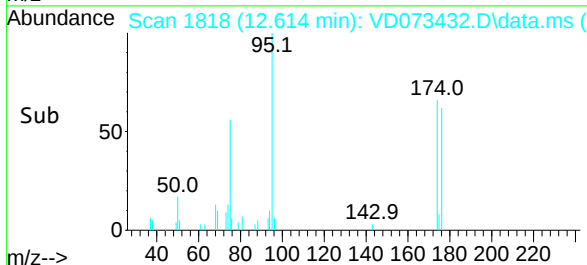
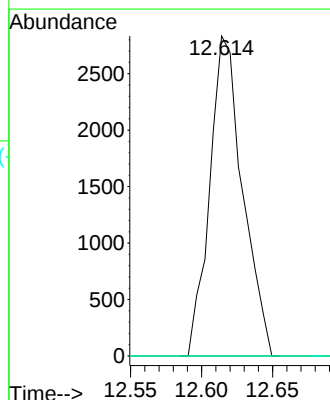
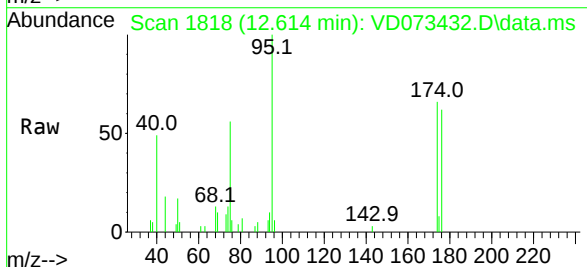
Instrument :
MSVOA_D
ClientSampleId :

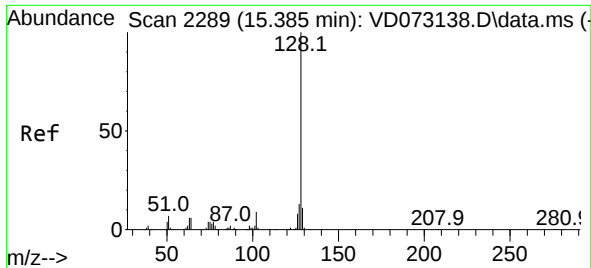
Tgt Ion: 75 Resp: 4571
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 122.903 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

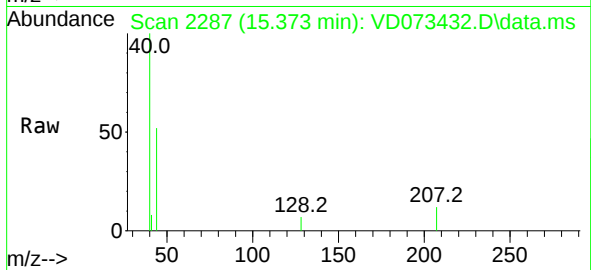
Tgt Ion: 75 Resp: 4571
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.956 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073432.D
Acq: 31 May 2022 18:41

Instrument :
MSVOA_D
ClientSampleId :



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

