

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073446.D
 Acq On : 01 Jun 2022 14:21
 Operator : VA/SY
 Sample : N3104-01
 Misc : 5.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6

Quant Time: Jun 02 04:08:48 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)

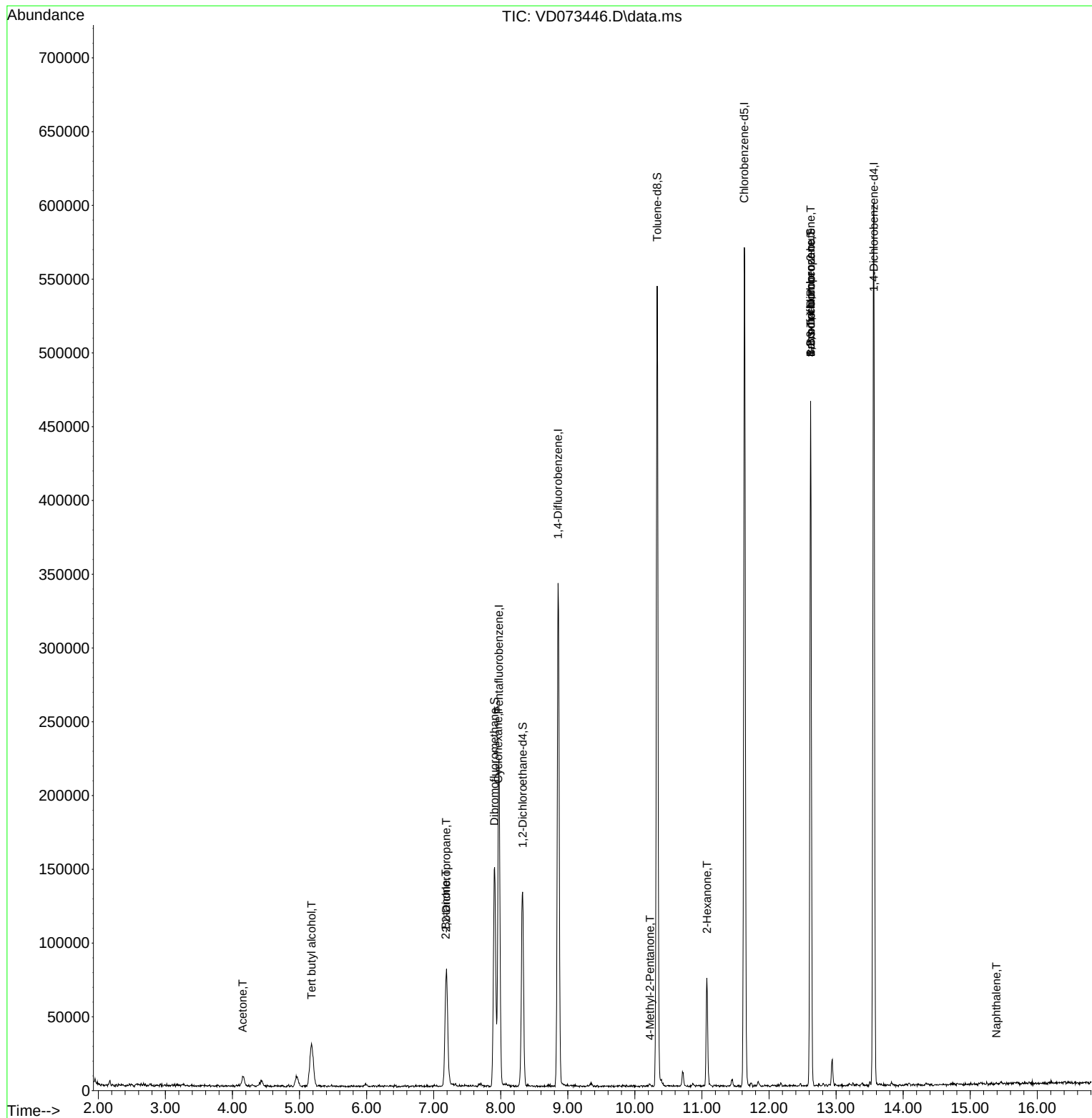
Internal Standards						
1) Pentafluorobenzene	7.973	168	160442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	295580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	339419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	164393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	108617	61.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.520%	
35) Dibromofluoromethane	7.903	113	111818	57.330	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.660%	
50) Toluene-d8	10.332	98	365187	50.793	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	12.620	95	150584	59.680	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	893	Below Cal	#	32
11) Tert butyl alcohol	5.179	59	27784	100.997	ug/l #	76
16) Acetone	4.150	43	13018	42.387	ug/l	95
20) Methylene Chloride	4.968	84	5790	Below Cal	#	87
25) 2-Butanone	7.179	43	2696	6.000	ug/l #	85
26) 2,2-Dichloropropane	7.185	77	6258	2.095	ug/l #	54
31) Cyclohexane	7.961	56	4355	1.405	ug/l #	23
51) 4-Methyl-2-Pentanone	10.226	43	1487	1.337	ug/l	90
59) 2-Hexanone	11.073	43	840	1.145	ug/l #	40
71) Bromoform	12.620	173	1578	1.187	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	75171	46.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	75171	111.881	ug/l #	7
95) Naphthalene	15.390	128	594	3.644	ug/l #	70

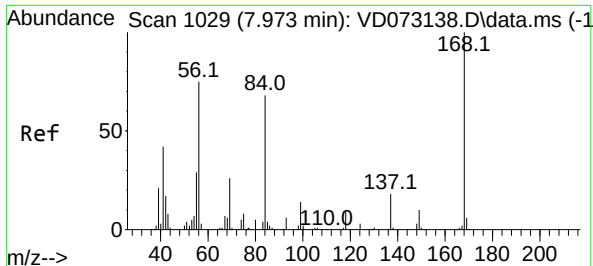
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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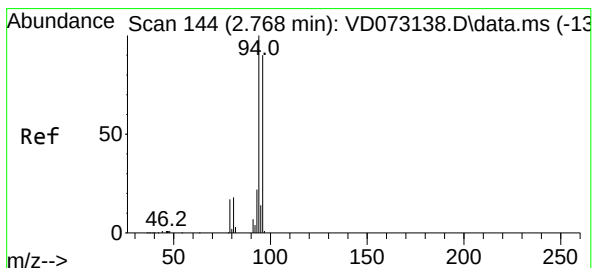
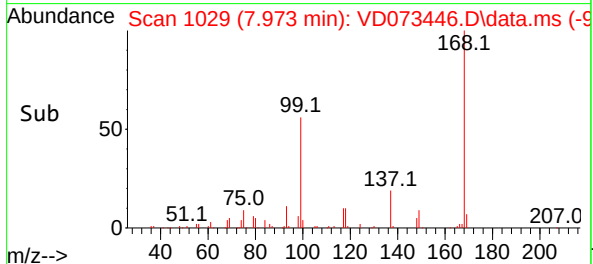
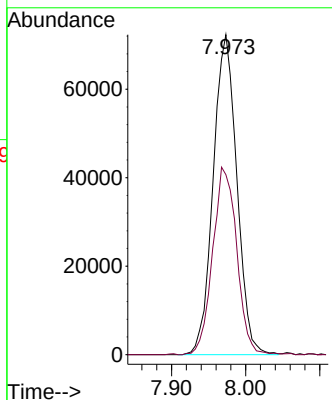
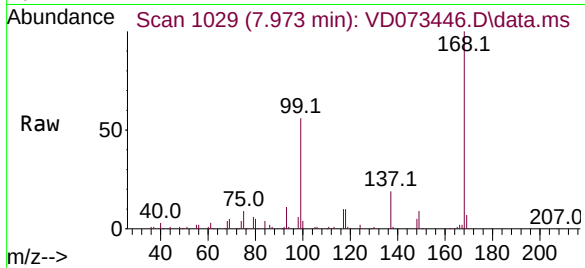




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

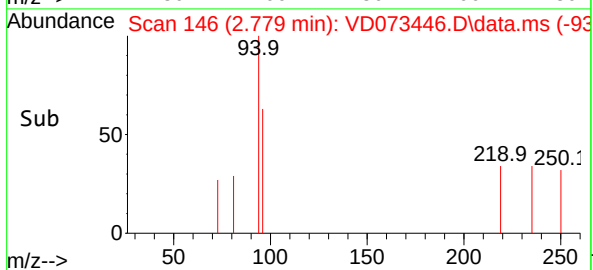
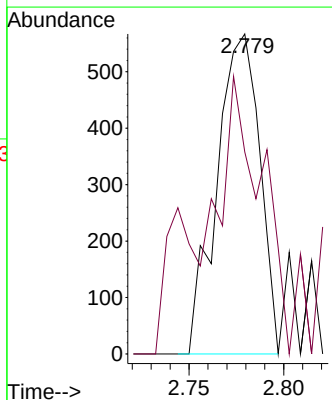
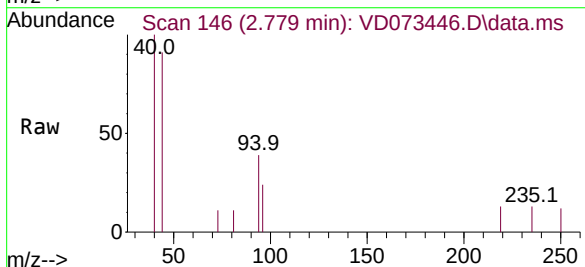
Instrument :
MSVOA_D
ClientSampleId :
WC-6

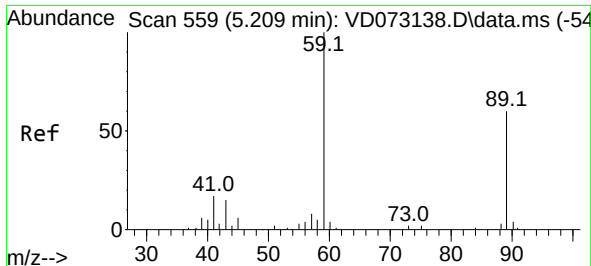
Tgt Ion:168 Resp: 160442
Ion Ratio Lower Upper
168 100
99 56.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 94 Resp: 893
Ion Ratio Lower Upper
94 100
96 30.0 77.6 116.4#

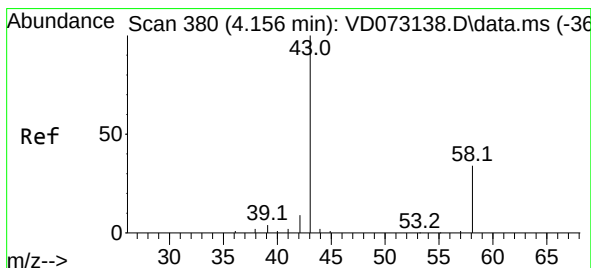
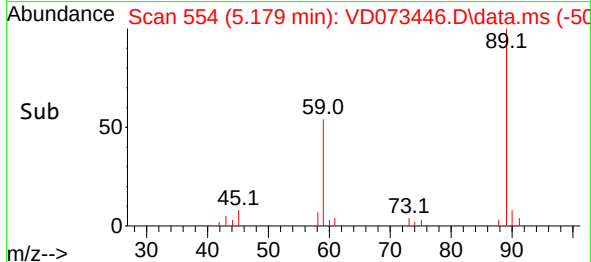
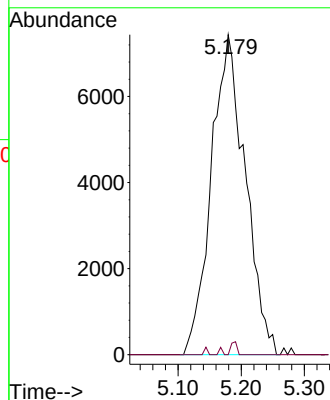
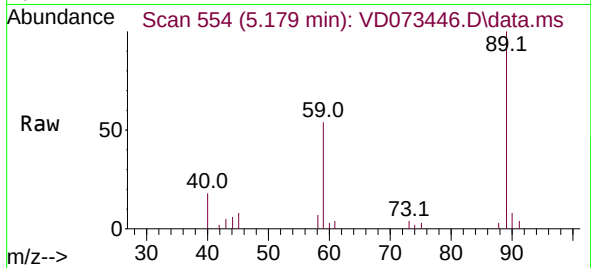




#11
Tert butyl alcohol
Concen: 100.997 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

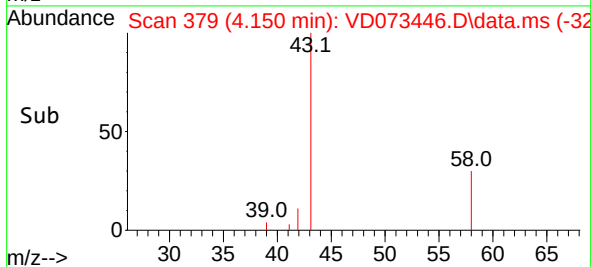
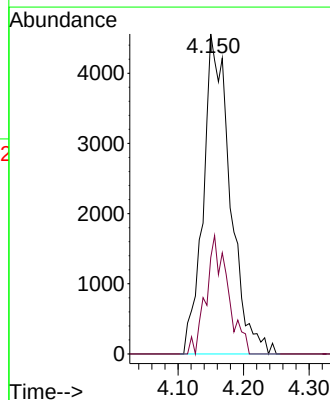
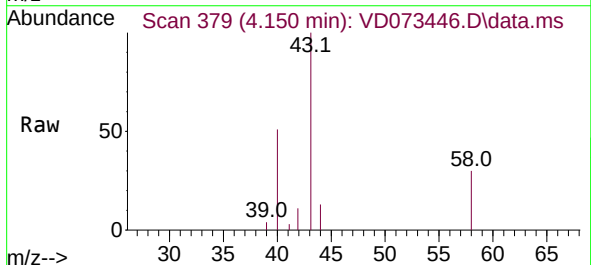
Instrument :
MSVOA_D
ClientSampleId :
WC-6

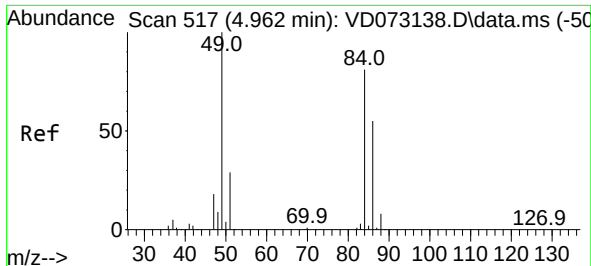
Tgt Ion: 59 Resp: 27784
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.6#



#16
Acetone
Concen: 42.387 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 43 Resp: 13018
Ion Ratio Lower Upper
43 100
58 30.1 22.1 33.1

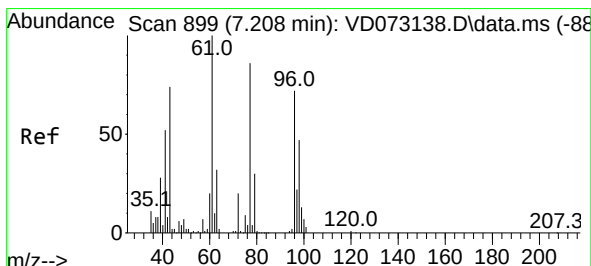
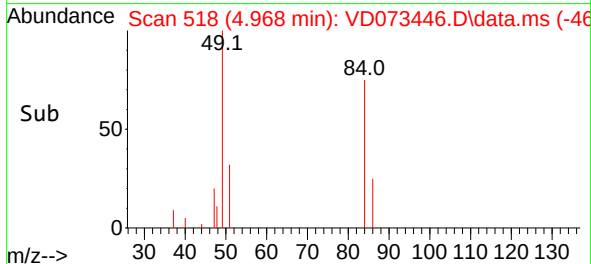
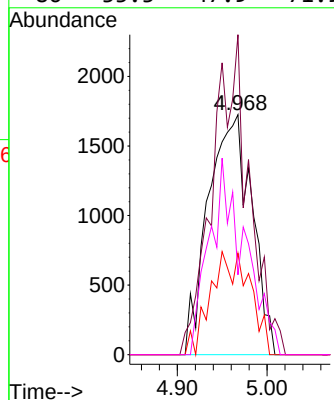
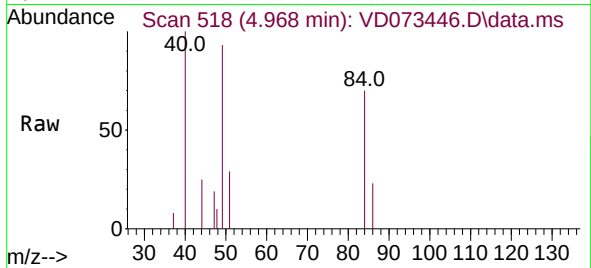




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

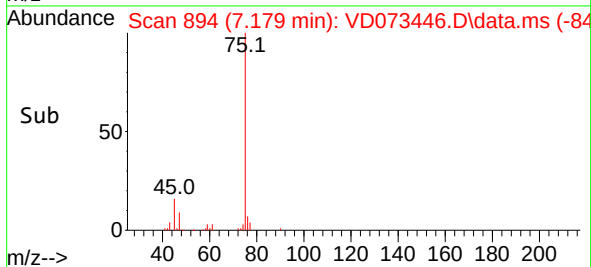
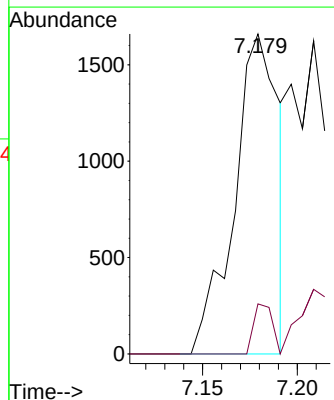
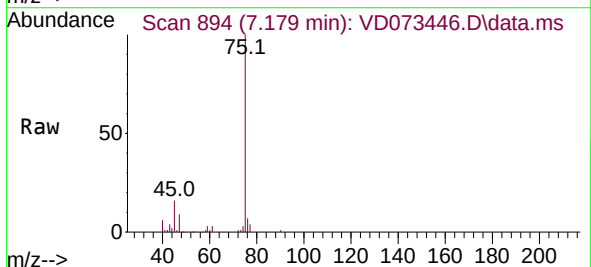
Instrument :
MSVOA_D
ClientSampleId :
WC-6

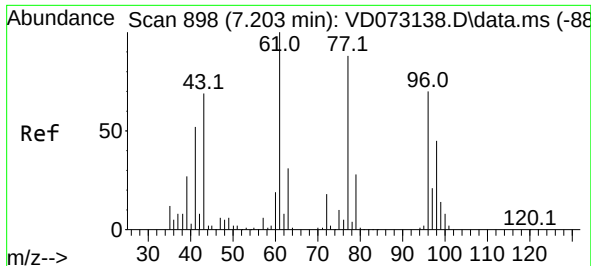
Tgt Ion: 84 Resp: 5790
Ion Ratio Lower Upper
84 100
49 133.3 112.8 169.2
51 42.3 32.6 48.8
86 33.3 47.9 71.9#



#25
2-Butanone
Concen: 6.000 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
72 15.7 18.6 27.8#

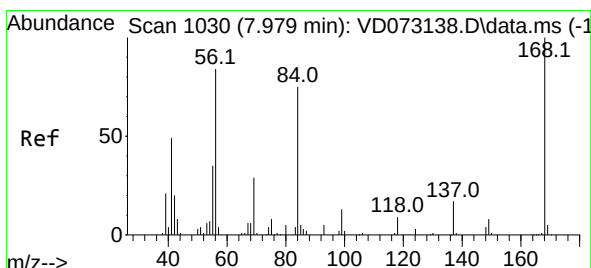
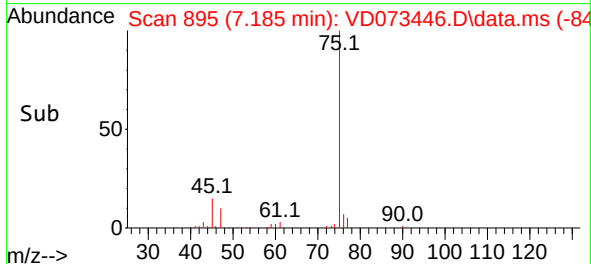
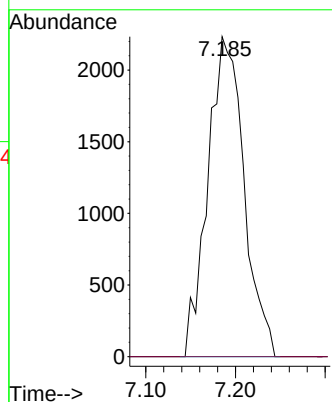
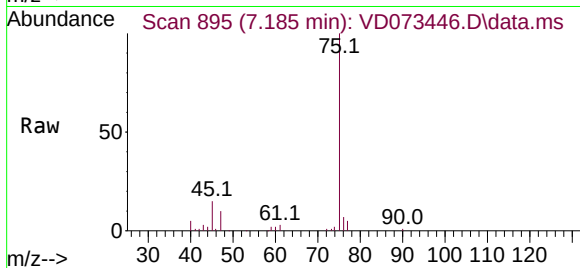




#26
2,2-Dichloropropane
Concen: 2.095 ug/l
RT: 7.185 min Scan# 89
Delta R.T. -0.018 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

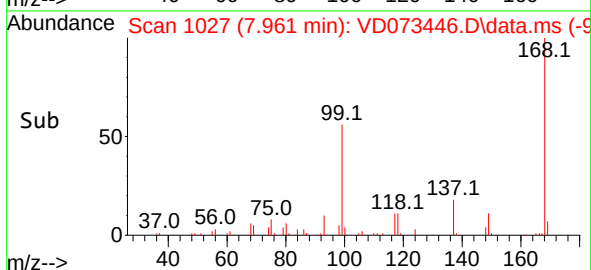
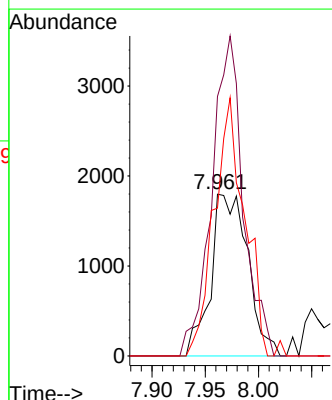
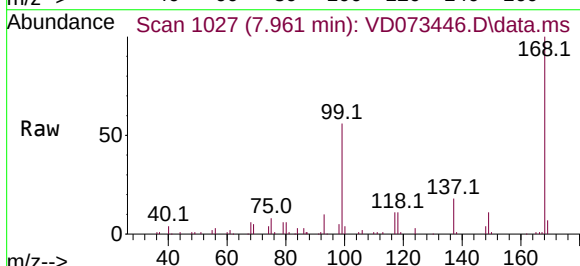
Instrument :
MSVOA_D
ClientSampleId :
WC-6

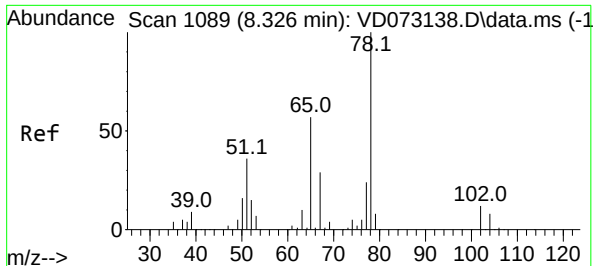
Tgt Ion: 77 Resp: 6258
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: 1.405 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 56 Resp: 4355
Ion Ratio Lower Upper
56 100
69 160.4 25.4 38.2#
84 91.4 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 61.258 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073446.D

Acq: 01 Jun 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :

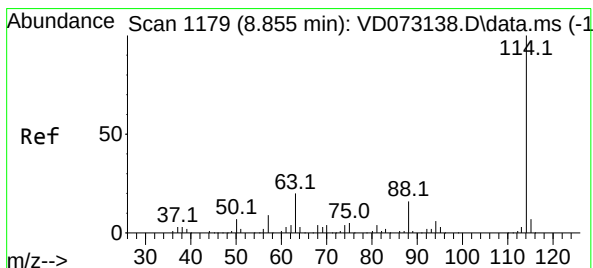
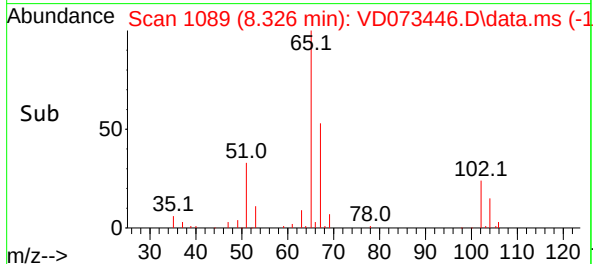
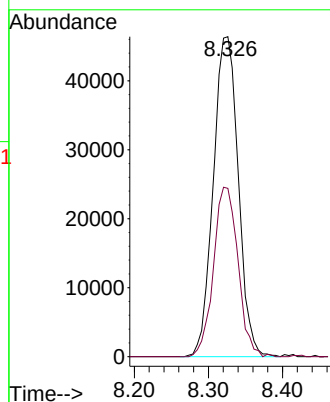
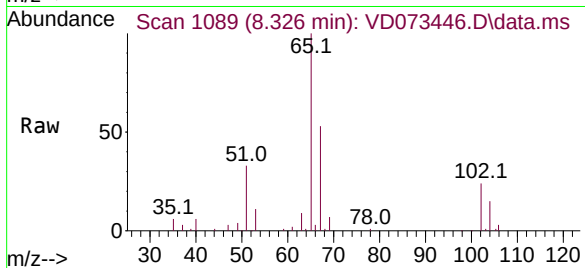
WC-6

Tgt Ion: 65 Resp: 108617

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073446.D

Acq: 01 Jun 2022 14:21

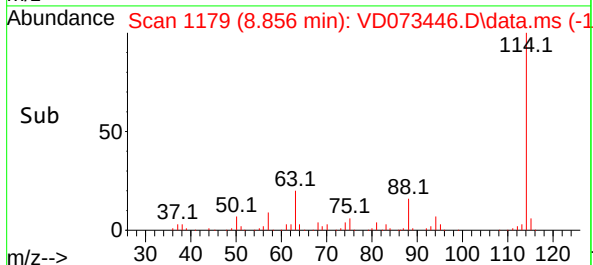
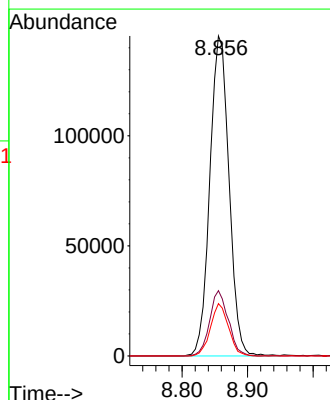
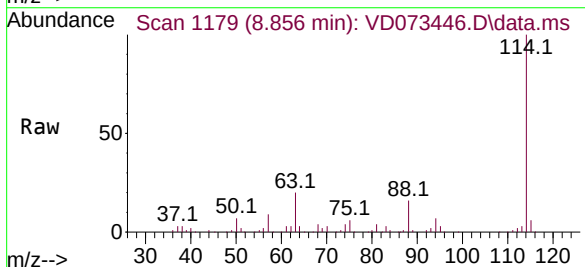
Tgt Ion: 114 Resp: 295580

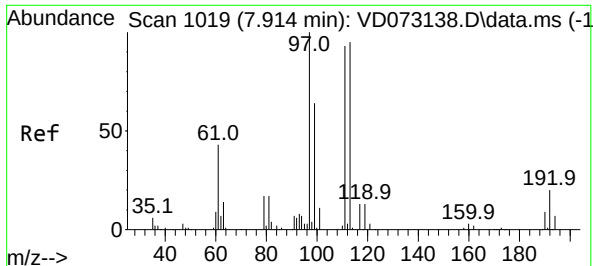
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 57.330 ug/l

RT: 7.903 min Scan# 1019

Delta R.T. -0.011 min

Lab File: VD073446.D

Acq: 01 Jun 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :

WC-6

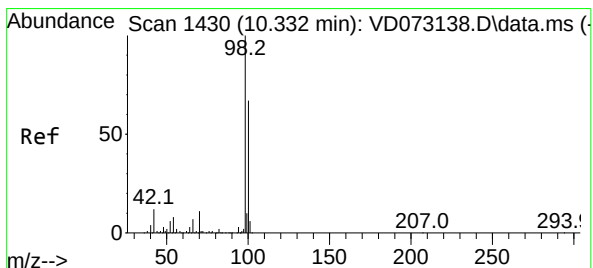
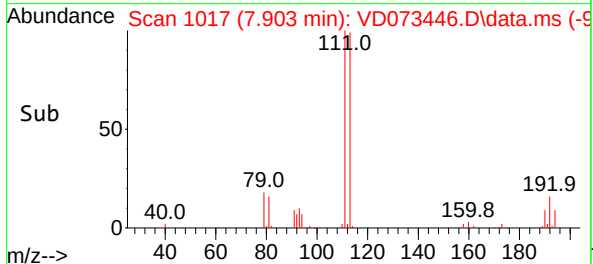
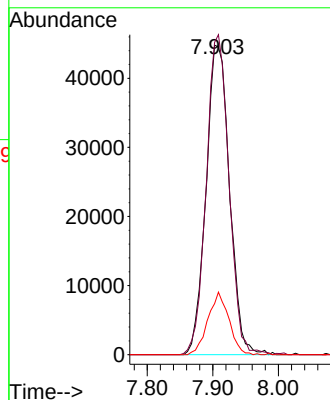
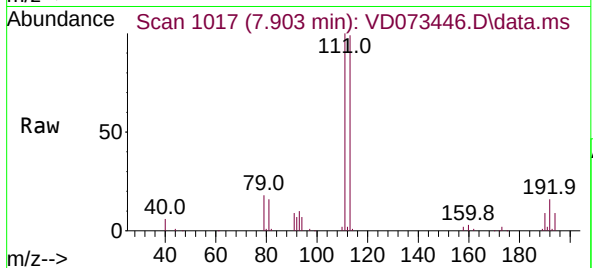
Tgt Ion:113 Resp: 111818

Ion Ratio Lower Upper

113 100

111 99.7 83.8 125.6

192 18.0 14.6 21.8



#50

Toluene-d8

Concen: 50.793 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073446.D

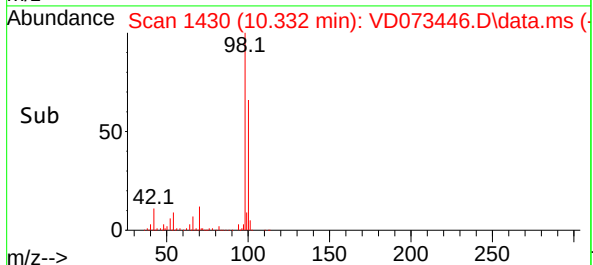
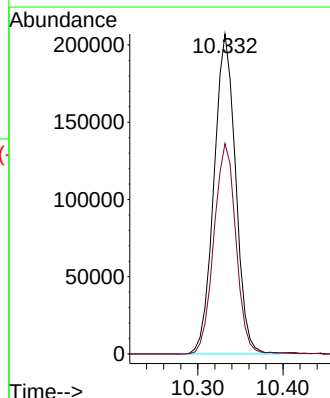
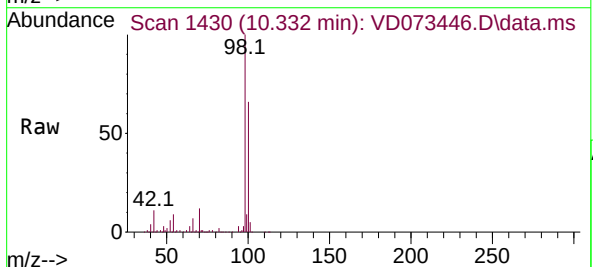
Acq: 01 Jun 2022 14:21

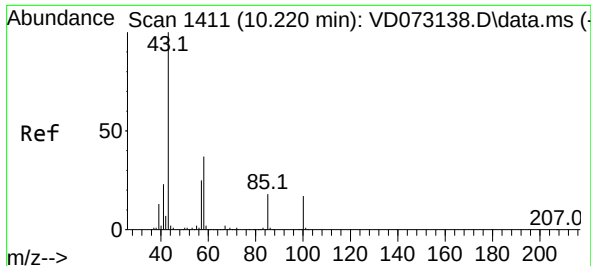
Tgt Ion: 98 Resp: 365187

Ion Ratio Lower Upper

98 100

100 67.0 52.4 78.6

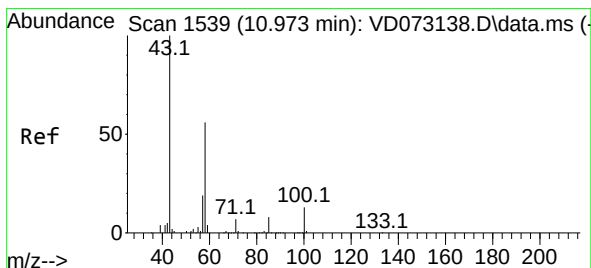
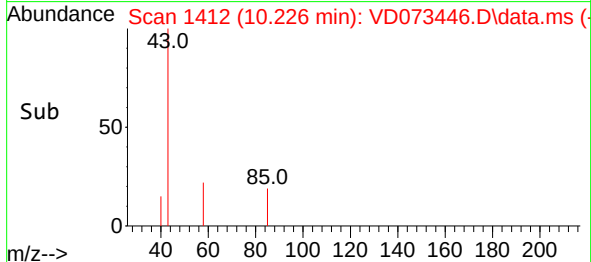
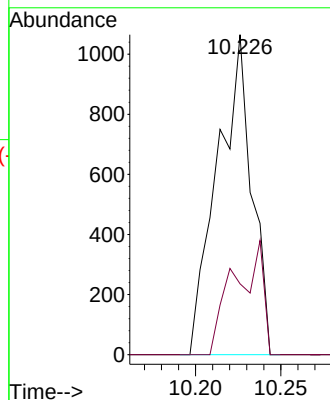
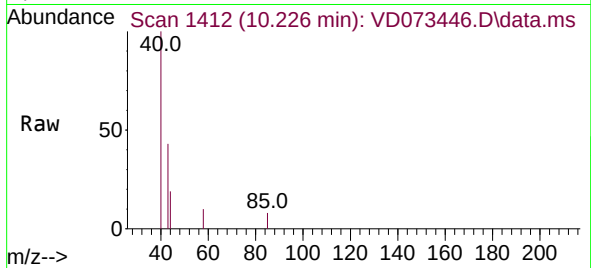




#51
4-Methyl-2-Pentanone
Concen: 1.337 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

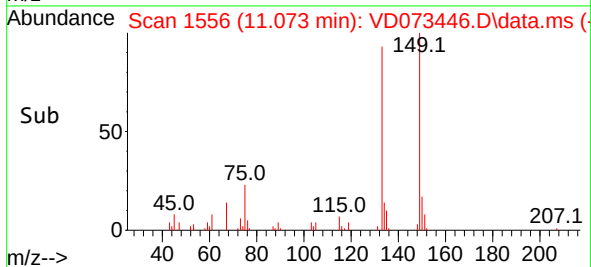
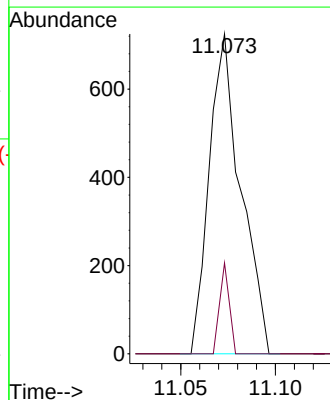
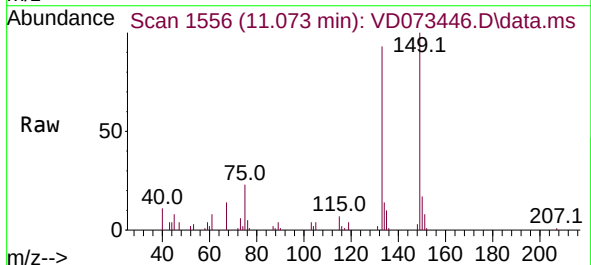
Instrument :
MSVOA_D
ClientSampleId :
WC-6

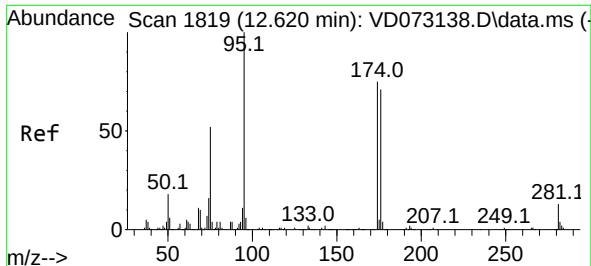
Tgt Ion: 43 Resp: 1487
Ion Ratio Lower Upper
43 100
58 30.2 28.6 43.0



#59
2-Hexanone
Concen: 1.145 ug/l
RT: 11.073 min Scan# 1556
Delta R.T. 0.100 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 8.7 25.3 75.9#

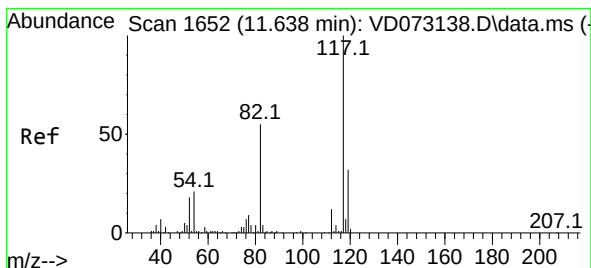
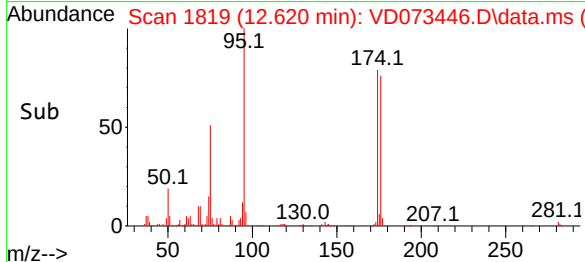
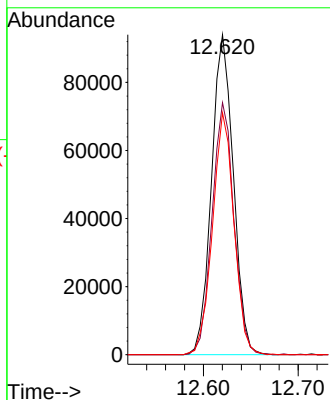
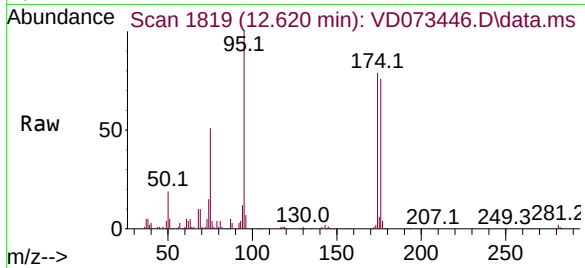




#62
4-Bromofluorobenzene
Concen: 59.680 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

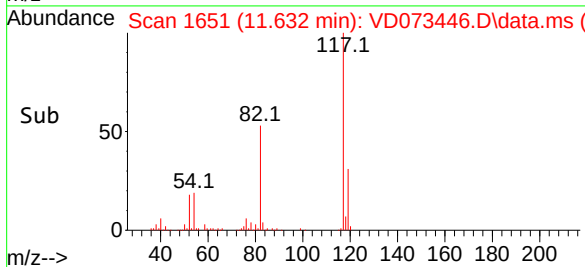
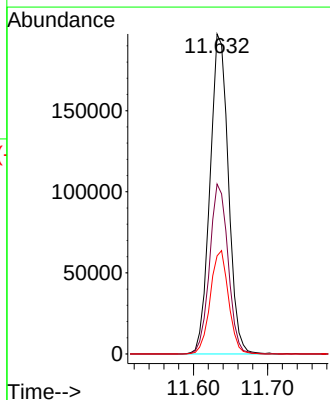
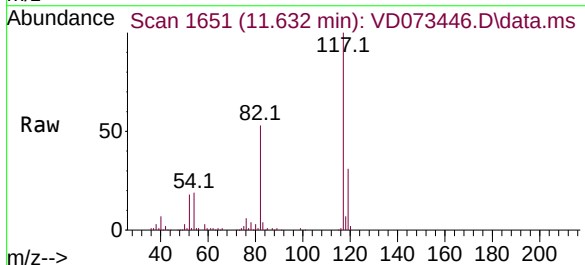
Instrument :
MSVOA_D
ClientSampleId :
WC-6

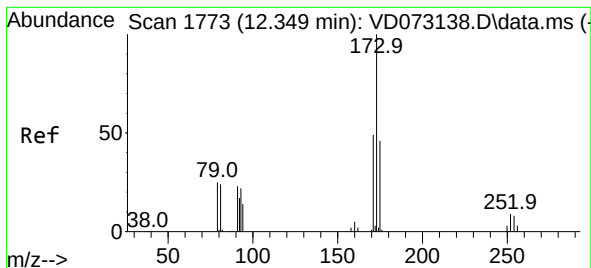
Tgt Ion: 95 Resp: 150584
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 74.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 117 Resp: 339419
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 30.7 26.6 40.0





#71

Bromoform

Concen: 1.187 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073446.D

Acq: 01 Jun 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :

WC-6

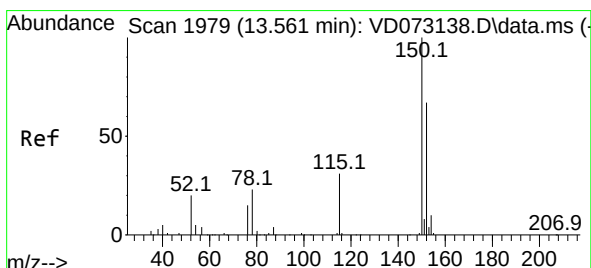
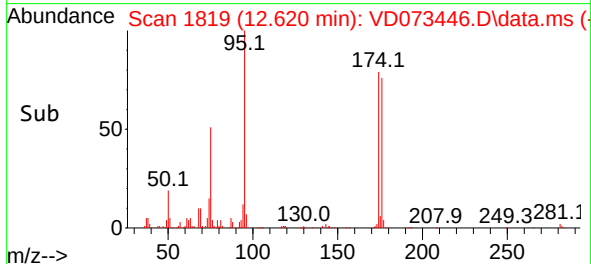
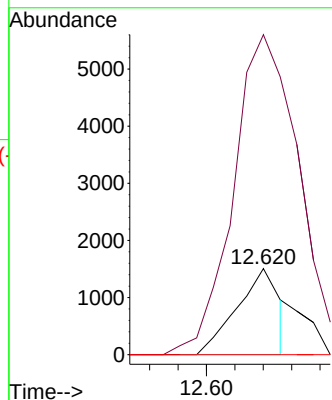
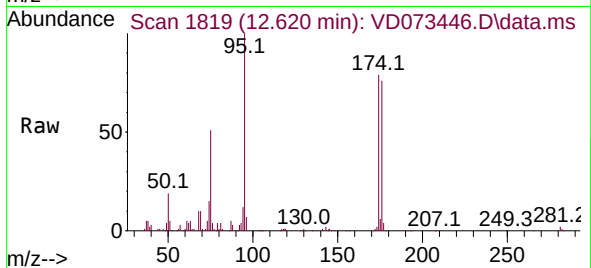
Tgt Ion:173 Resp: 1578

Ion Ratio Lower Upper

173 100

175 431.7 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073446.D

Acq: 01 Jun 2022 14:21

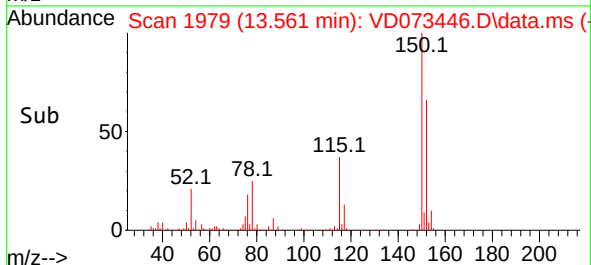
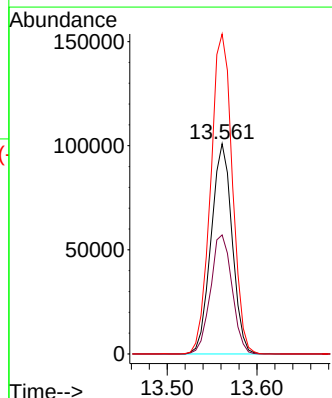
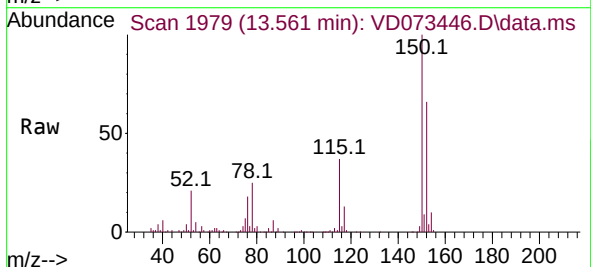
Tgt Ion:152 Resp: 164393

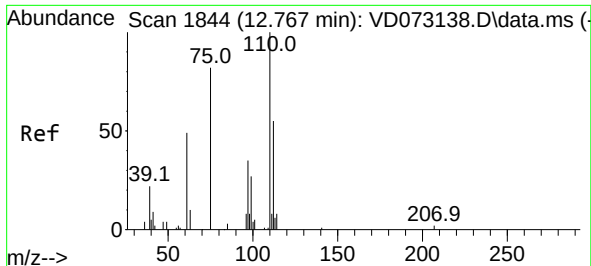
Ion Ratio Lower Upper

152 100

115 57.9 31.3 93.8

150 156.7 0.0 348.6

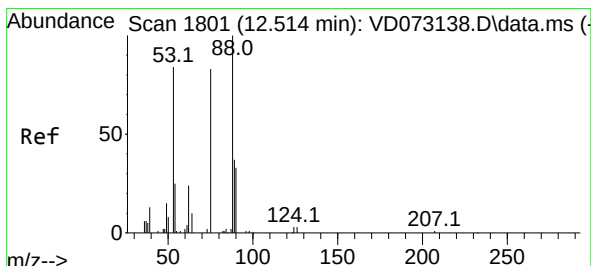
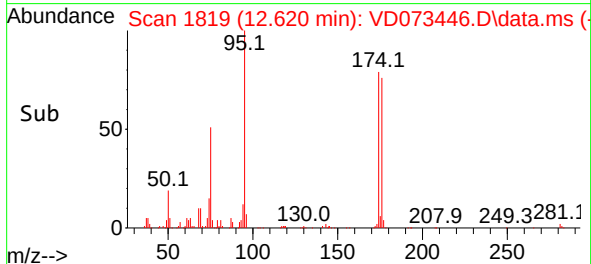
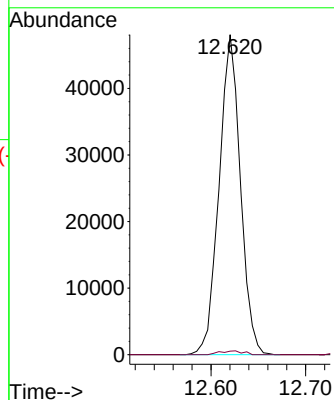
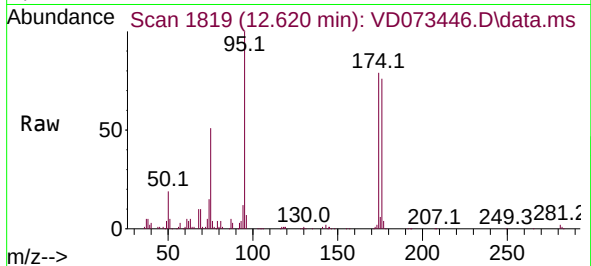




#76
1,2,3-Trichloropropane
Concen: 46.604 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

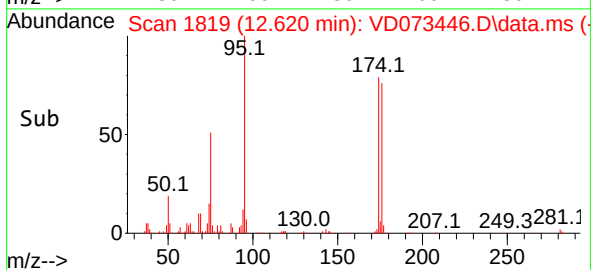
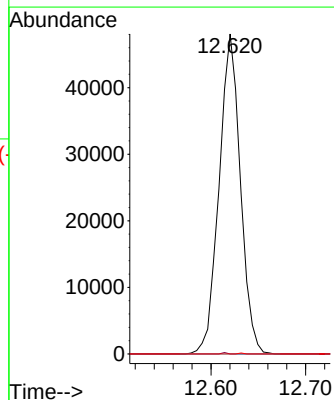
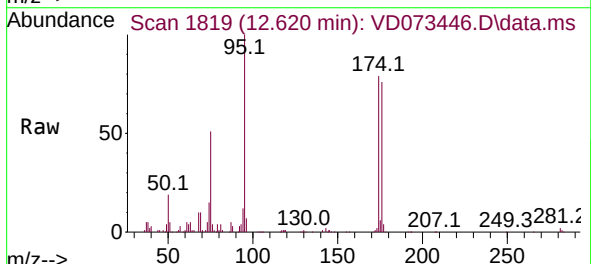
Instrument :
MSVOA_D
ClientSampleId :
WC-6

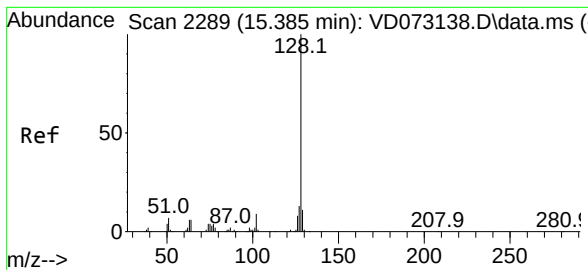
Tgt Ion: 75 Resp: 75171
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.881 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Tgt Ion: 75 Resp: 75171
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.644 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD073446.D
Acq: 01 Jun 2022 14:21

Instrument :
MSVOA_D
ClientSampleId :
WC-6

Tgt Ion:	128	Resp:	594
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

