

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
 Data File : VD073495.D
 Acq On : 07 Jun 2022 12:40
 Operator : VA/SY
 Sample : N3209-01
 Misc : 6.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14B-4

Quant Time: Jun 08 06:43:06 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)

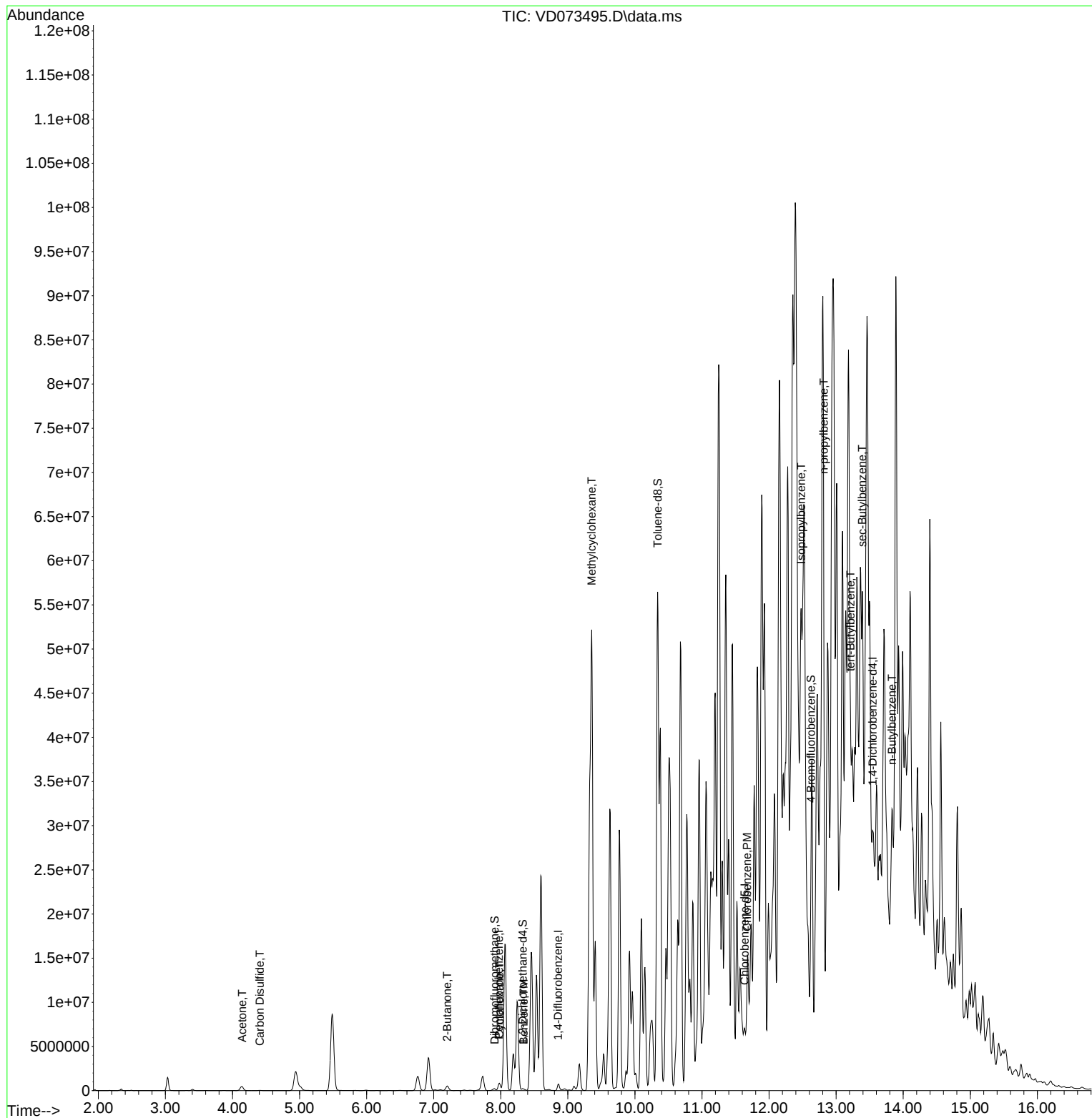
Internal Standards						
1) Pentafluorobenzene	7.973	168	209032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	422672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	328007	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.543	152	495673	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	129263	55.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.920%	
35) Dibromofluoromethane	7.908	113	139692	50.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.180%	
50) Toluene-d8	10.337	98	3002707	292.058	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 584.120%#	
62) 4-Bromofluorobenzene	12.626	95	2040284	565.473	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 1130.940%#	
Target Compounds						
					Qvalue	
16) Acetone	4.144	43	392344	980.534	ug/l #	79
17) Carbon Disulfide	4.408	76	55184	7.924	ug/l	97
25) 2-Butanone	7.202	43	285255	487.274	ug/l #	64
31) Cyclohexane	7.979	56	319710	79.196	ug/l	86
39) Methylcyclohexane	9.355	83	22738688	4864.078	ug/l	90
40) Benzene	8.343	78	40792	3.374	ug/l	97
65) Chlorobenzene	11.673	112	107371	15.956	ug/l #	70
73) Isopropylbenzene	12.479	105	7369417	208.552	ug/l	99
78) n-propylbenzene	12.814	91	9721001	219.130	ug/l	98
83) tert-Butylbenzene	13.214	119	1099613	43.588	ug/l	80
85) sec-Butylbenzene	13.390	105	7725972	200.568	ug/l #	71
89) n-Butylbenzene	13.831	91	3597929	120.256	ug/l	99

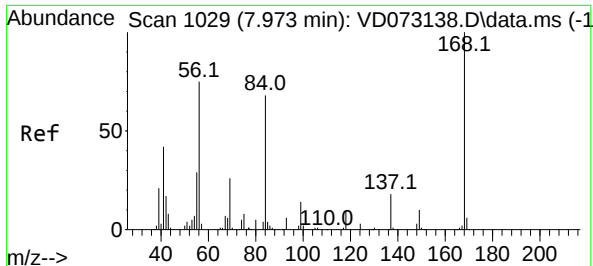
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 06:43:06 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

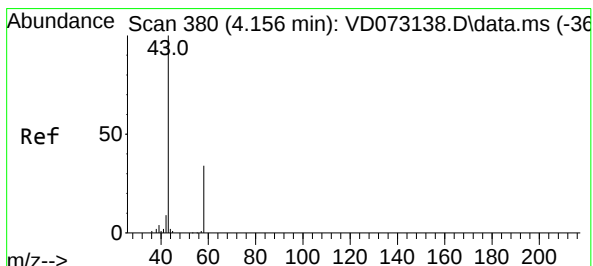
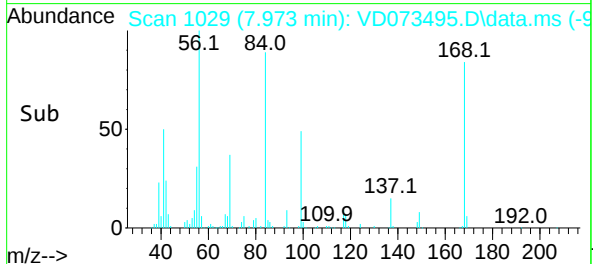
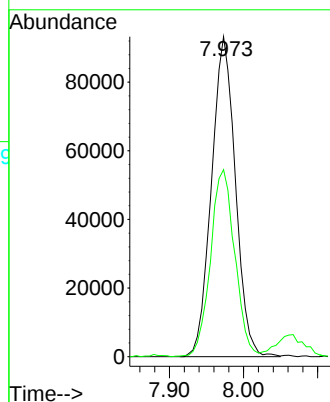
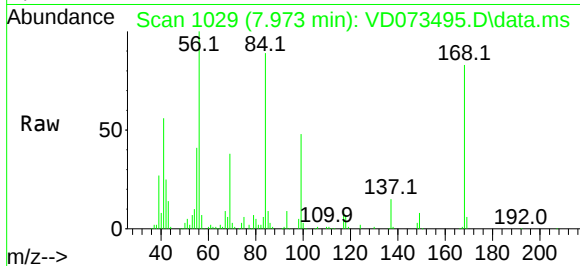




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

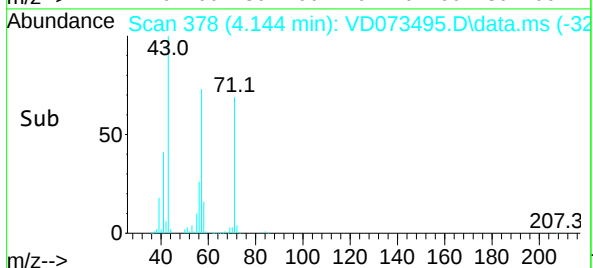
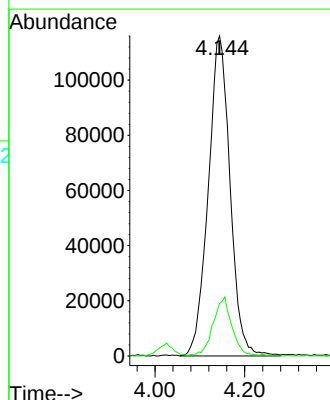
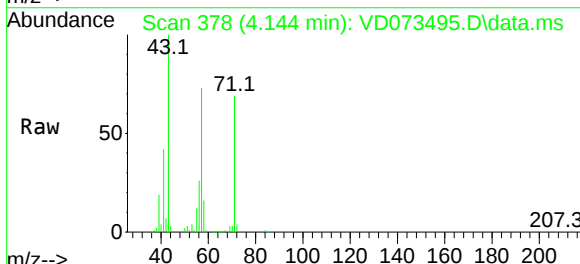
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-4

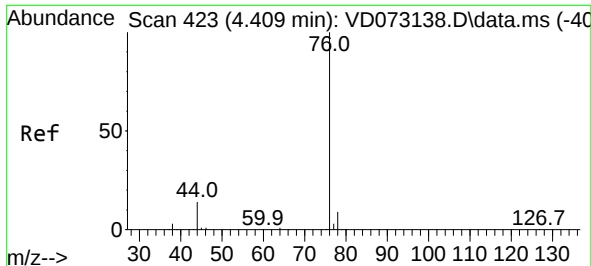
Tgt Ion:168 Resp: 209032
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#16
Acetone
Concen: 980.534 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

Tgt Ion: 43 Resp: 392344
Ion Ratio Lower Upper
43 100
58 16.4 22.1 33.1#

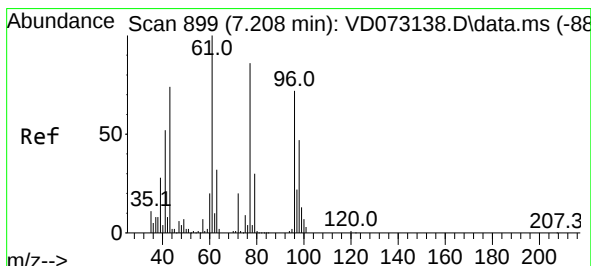
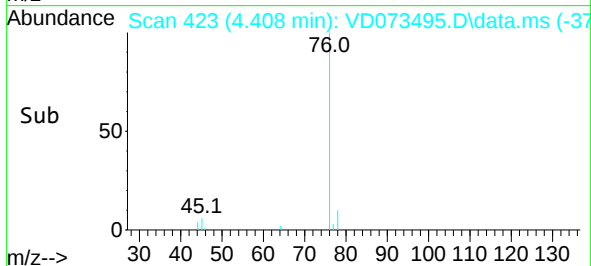
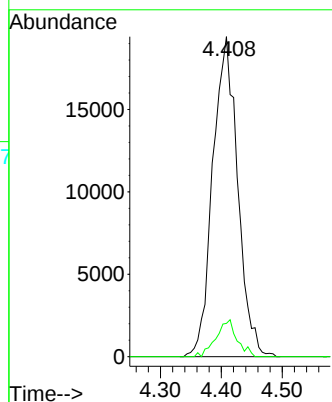
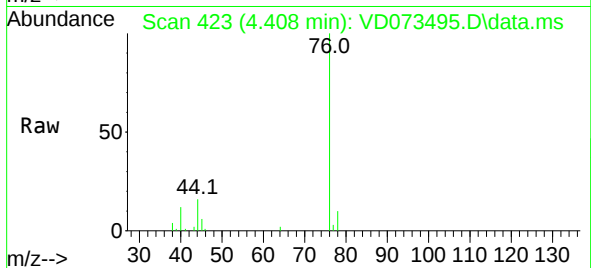




#17
Carbon Disulfide
Concen: 7.924 ug/l
RT: 4.408 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

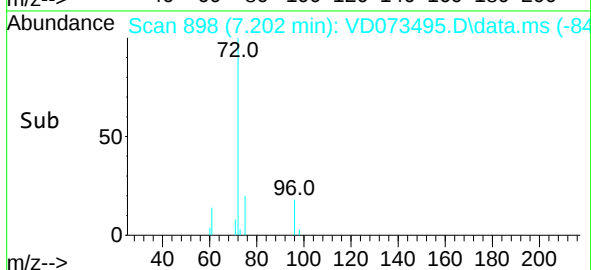
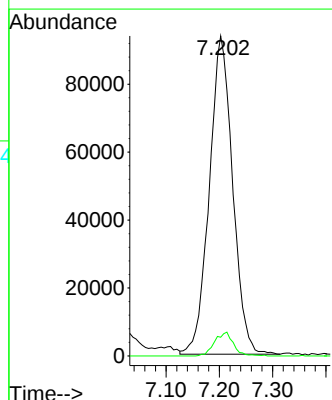
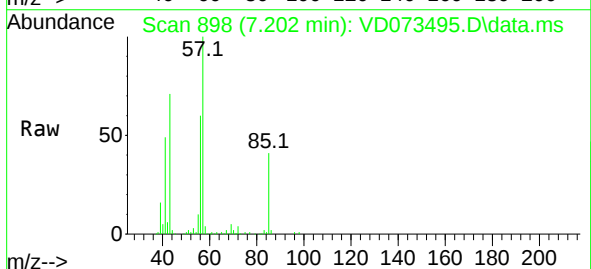
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-4

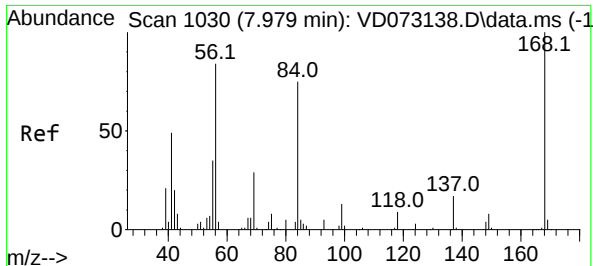
Tgt Ion: 76 Resp: 55184
Ion Ratio Lower Upper
76 100
78 10.4 7.5 11.3



#25
2-Butanone
Concen: 487.274 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

Tgt Ion: 43 Resp: 285255
Ion Ratio Lower Upper
43 100
72 5.9 18.6 27.8#

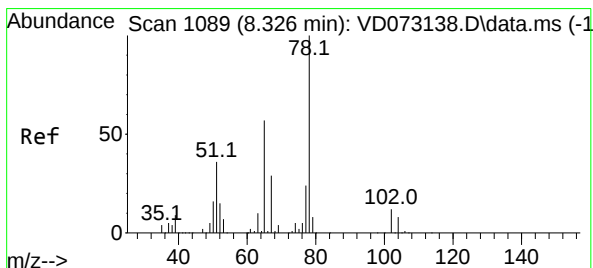
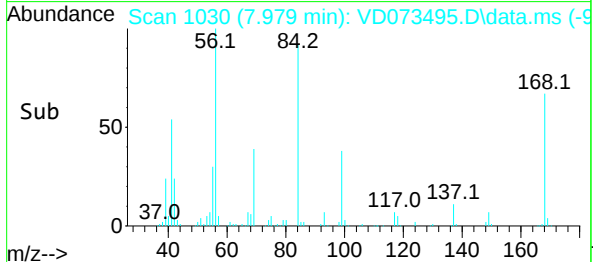
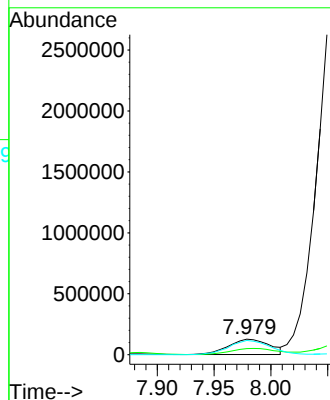
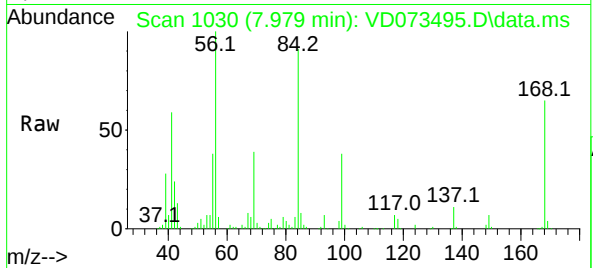




#31
Cyclohexane
Concen: 79.196 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

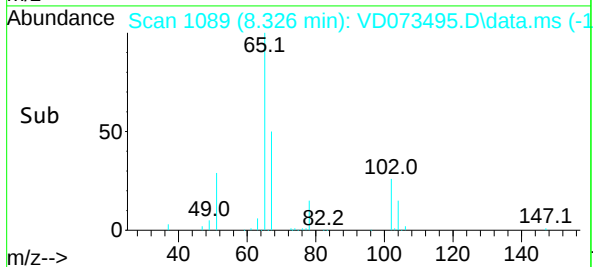
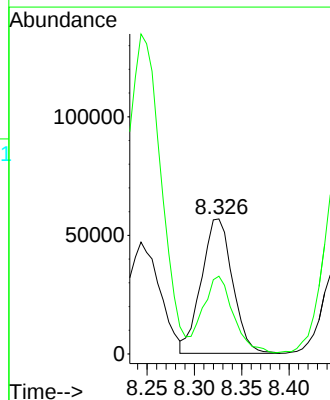
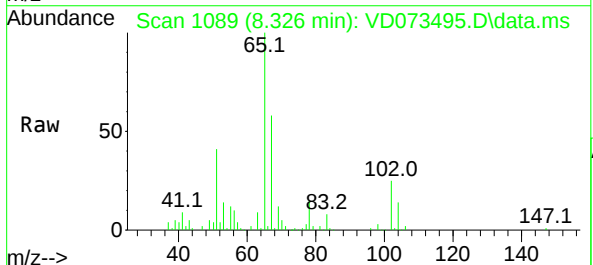
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-4

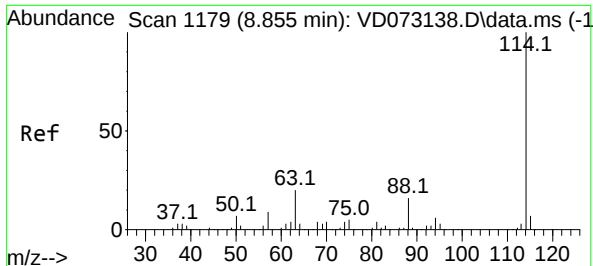
Tgt Ion: 56 Resp: 319710
Ion Ratio Lower Upper
56 100
69 37.9 25.4 38.2
84 91.7 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 55.956 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

Tgt Ion: 65 Resp: 129263
Ion Ratio Lower Upper
65 100
67 56.4 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: VD073495.D

Acq: 07 Jun 2022 12:40

Instrument :

MSVOA_D

ClientSampleId :

WC-14B-4

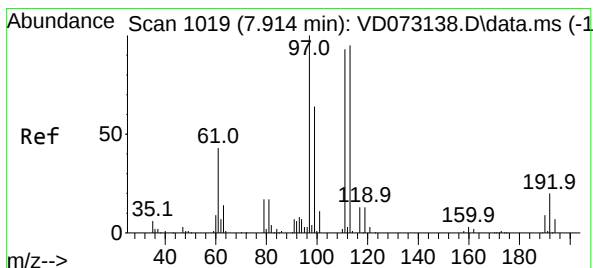
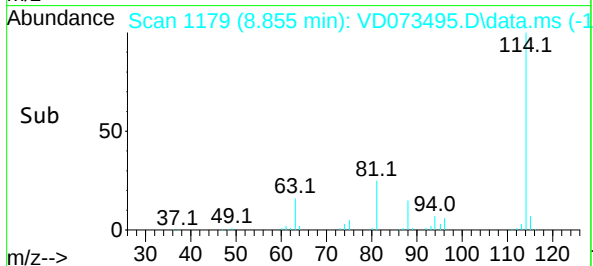
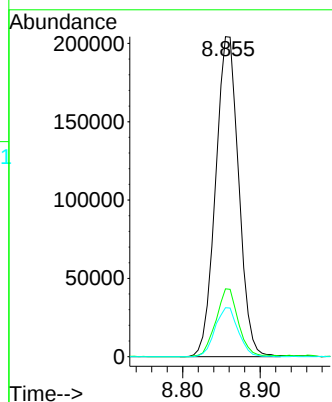
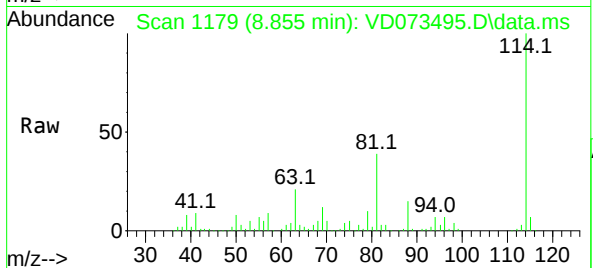
Tgt Ion:114 Resp: 422672

Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.086 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073495.D

Acq: 07 Jun 2022 12:40

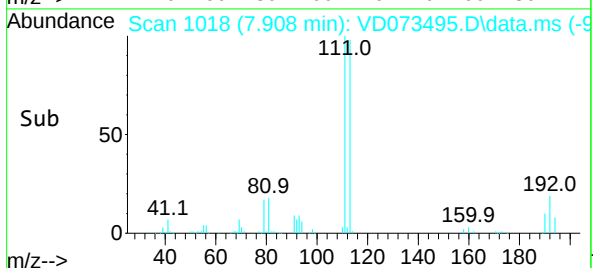
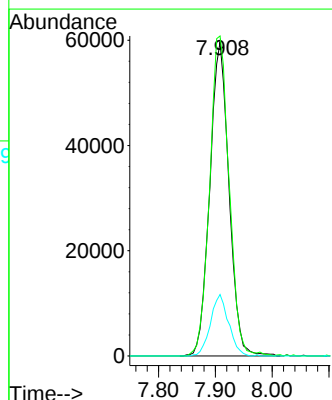
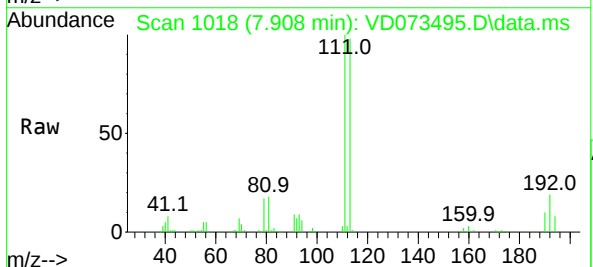
Tgt Ion:113 Resp: 139692

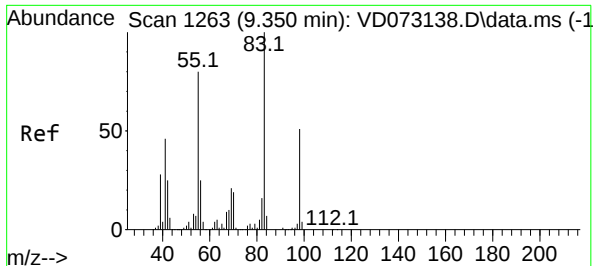
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.5 14.6 21.8





#39

Methylcyclohexane

Concen: 4864.078 ug/l

RT: 9.355 min Scan# 11

Delta R.T. 0.005 min

Lab File: VD073495.D

Acq: 07 Jun 2022 12:40

Instrument :

MSVOA_D

ClientSampleId :

WC-14B-4

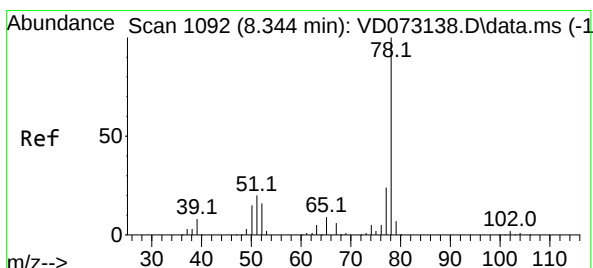
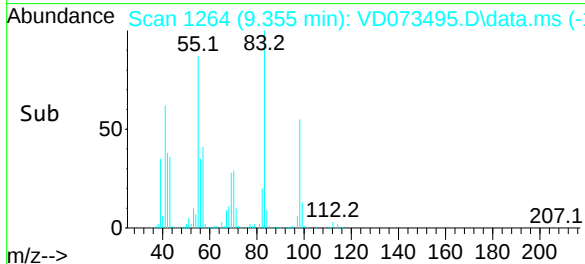
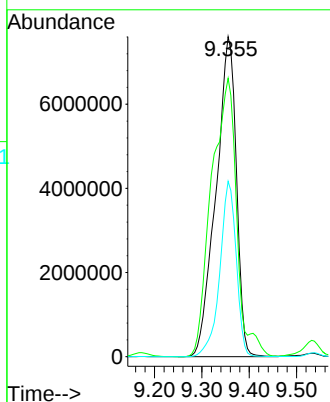
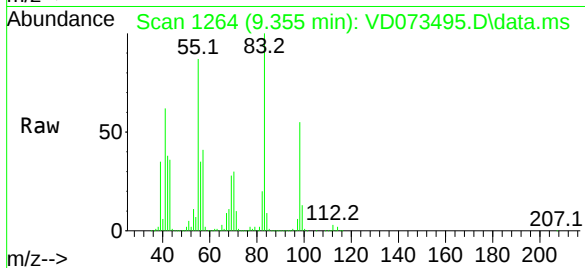
Tgt Ion: 83 Resp: 22738688

Ion Ratio Lower Upper

83 100

55 87.0 63.2 94.8

98 54.8 38.2 57.4



#40

Benzene

Concen: 3.374 ug/l

RT: 8.343 min Scan# 1092

Delta R.T. -0.001 min

Lab File: VD073495.D

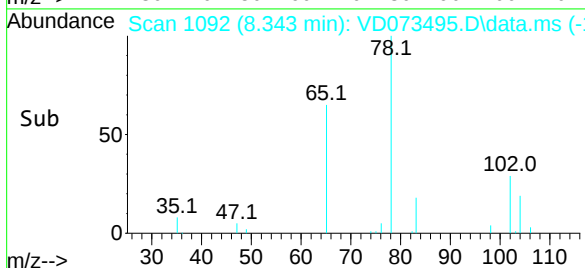
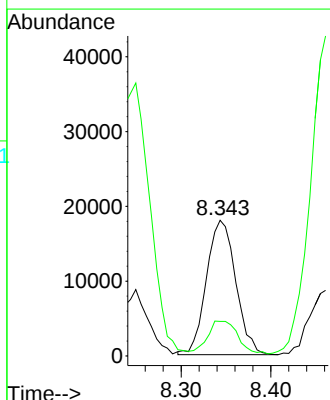
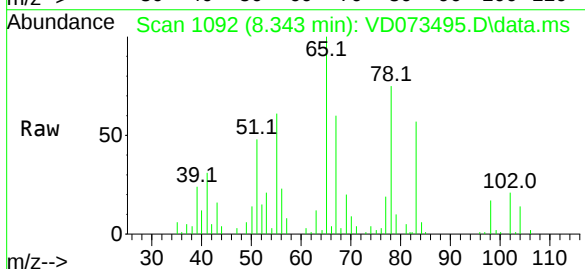
Acq: 07 Jun 2022 12:40

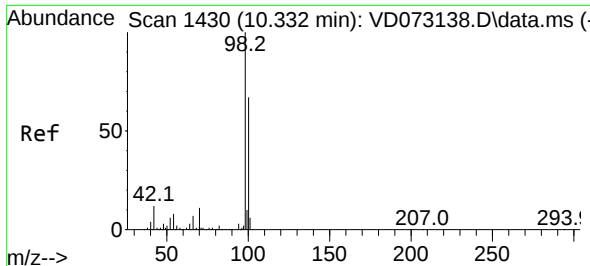
Tgt Ion: 78 Resp: 40792

Ion Ratio Lower Upper

78 100

77 22.3 19.1 28.7

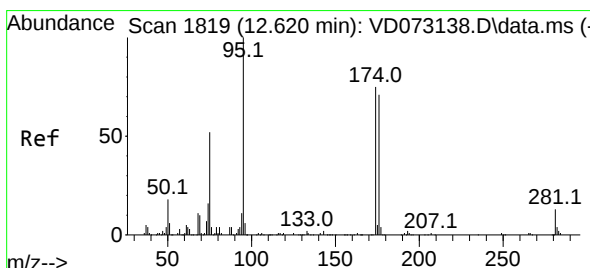
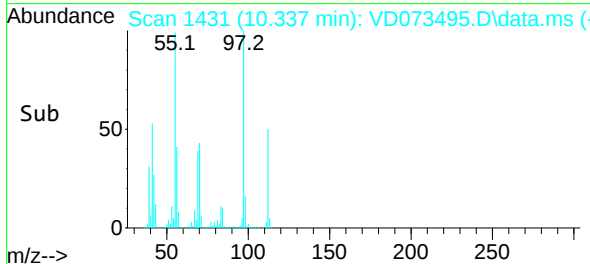
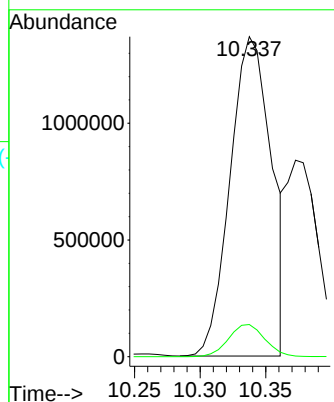
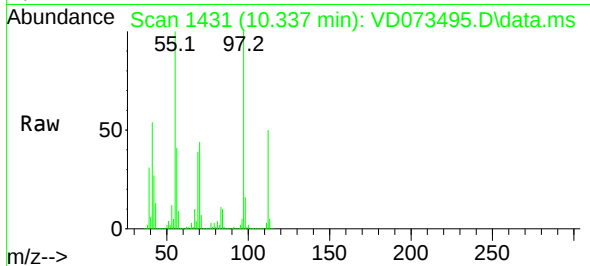




#50
Toluene-d8
Concen: 292.058 ug/l
RT: 10.337 min Scan# 1430
Delta R.T. 0.005 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

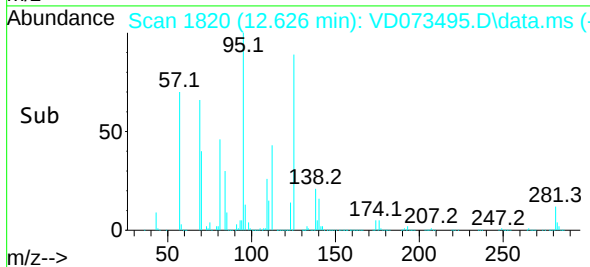
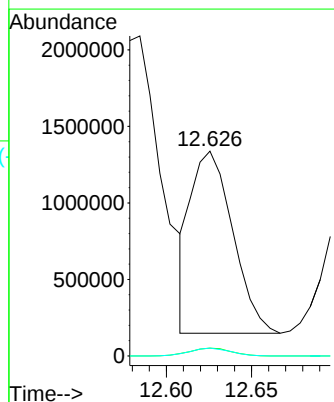
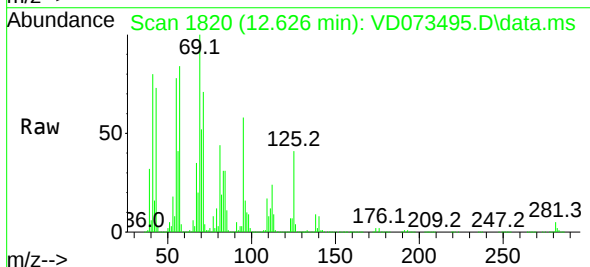
Instrument :
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WC-14B-4

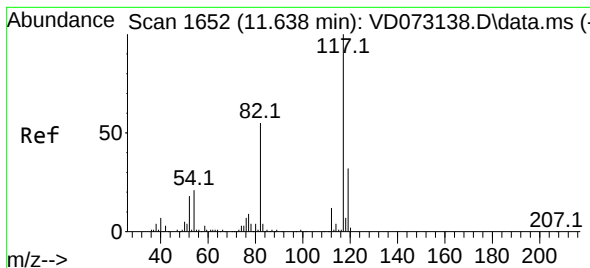
Tgt Ion: 98 Resp: 3002707
Ion Ratio Lower Upper
98 100
100 8.9 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 565.473 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

Tgt Ion: 95 Resp: 2040284
Ion Ratio Lower Upper
95 100
174 4.3 0.0 152.8
176 4.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.637 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD073495.D

Acq: 07 Jun 2022 12:40

Instrument :

MSVOA_D

ClientSampleId :

WC-14B-4

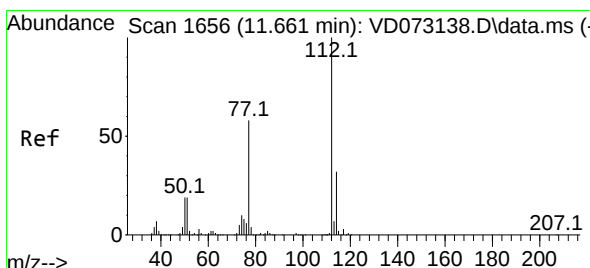
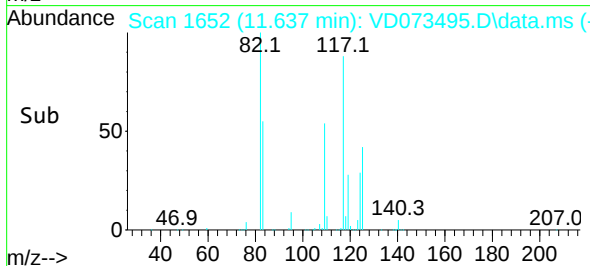
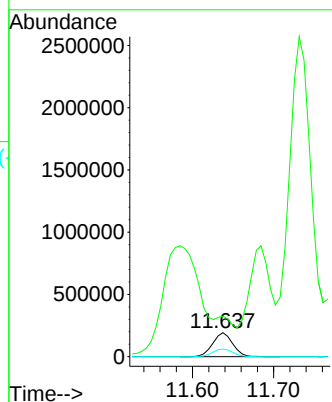
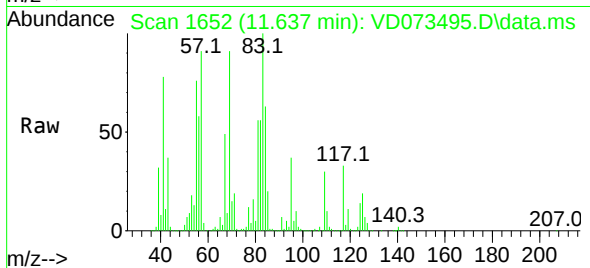
Tgt Ion:117 Resp: 328007

Ion Ratio Lower Upper

117 100

82 0.0 45.3 67.9#

119 31.5 26.6 40.0



#65

Chlorobenzene

Concen: 15.956 ug/l

RT: 11.673 min Scan# 1658

Delta R.T. 0.012 min

Lab File: VD073495.D

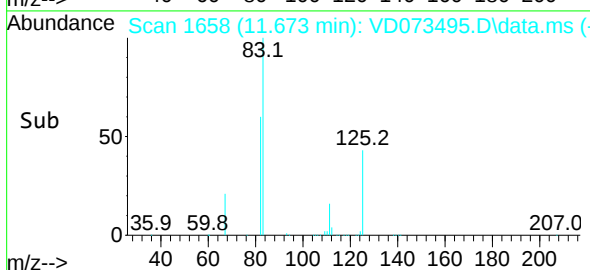
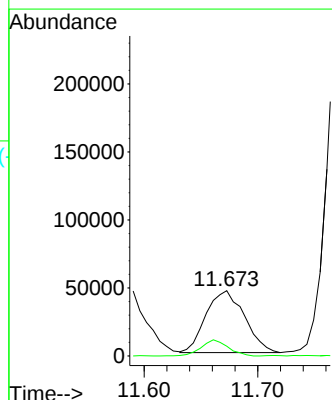
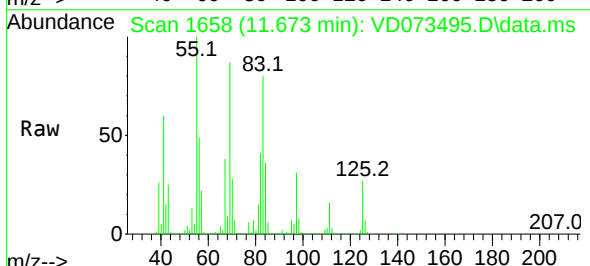
Acq: 07 Jun 2022 12:40

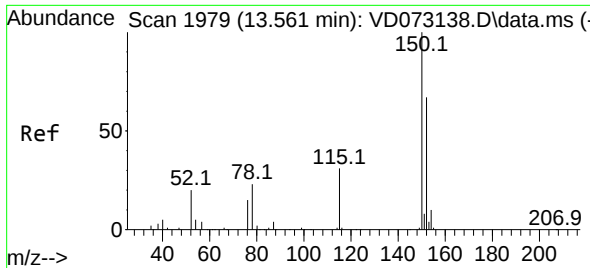
Tgt Ion:112 Resp: 107371

Ion Ratio Lower Upper

112 100

114 15.3 25.8 38.6#

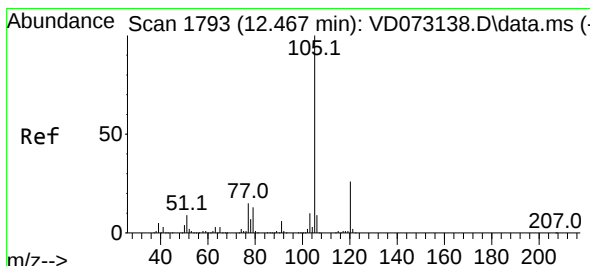
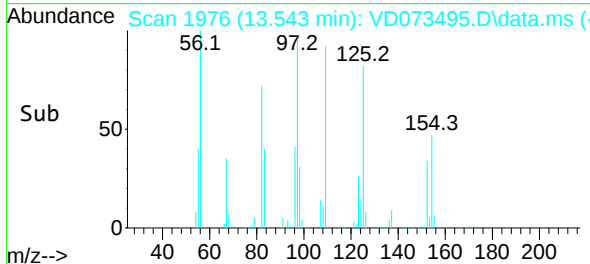
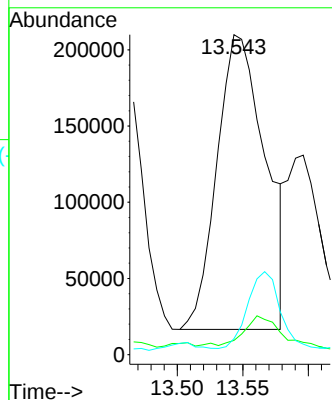
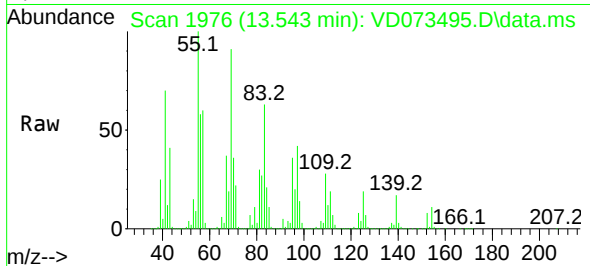




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.543 min Scan# 1976
Delta R.T. -0.018 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

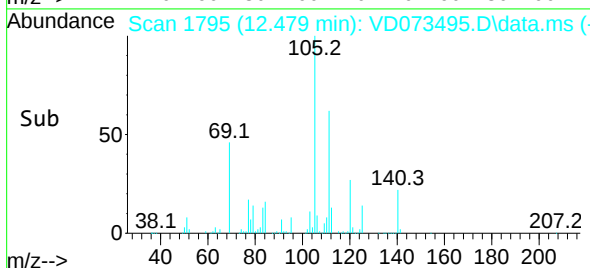
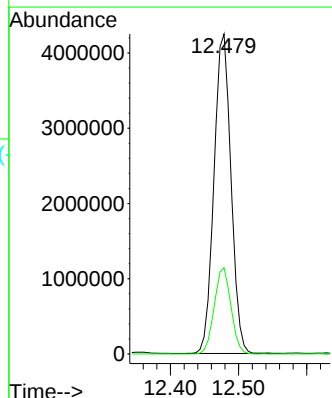
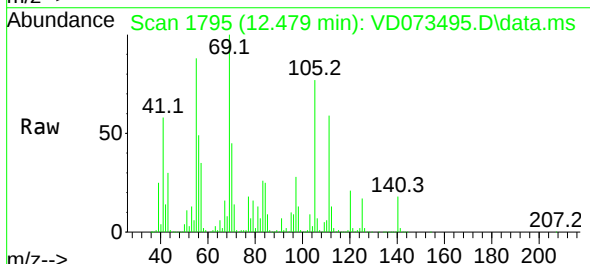
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-4

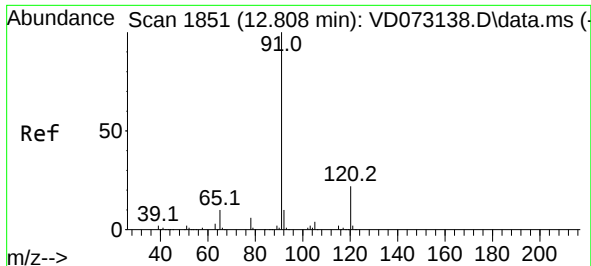
Tgt Ion:152 Resp: 495673
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 0.0 0.0 348.6



#73
Isopropylbenzene
Concen: 208.552 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.012 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

Tgt Ion:105 Resp: 7369417
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

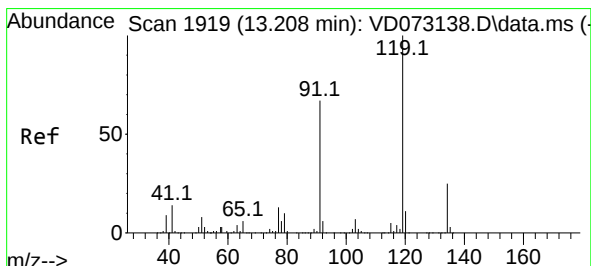
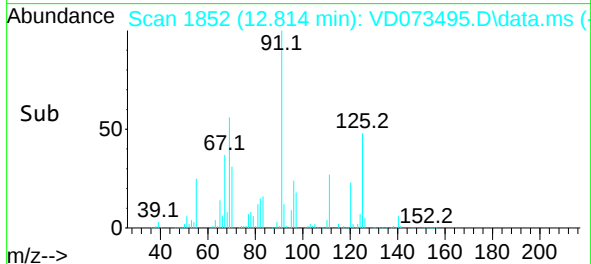
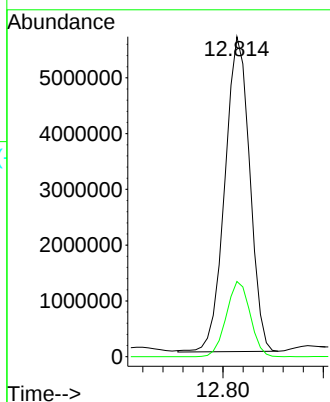
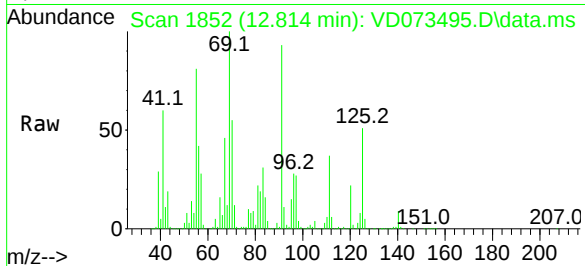




#78
n-propylbenzene
Concen: 219.130 ug/l
RT: 12.814 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

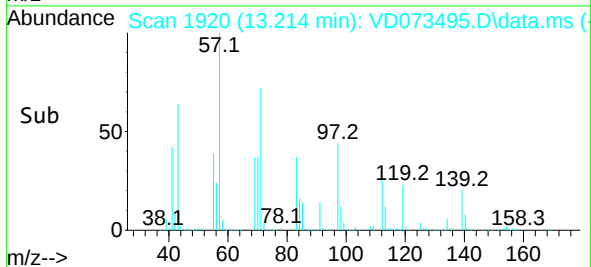
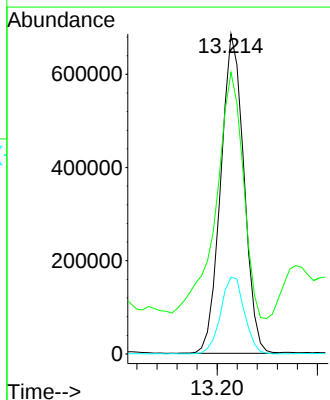
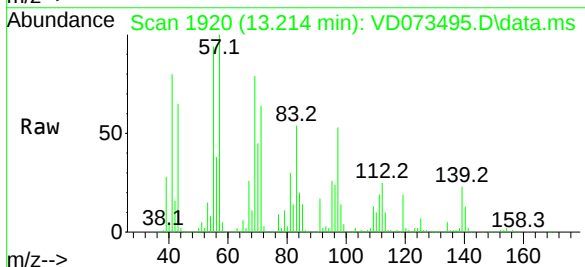
Instrument :
MSVOA_D
ClientSampleId :
WC-14B-4

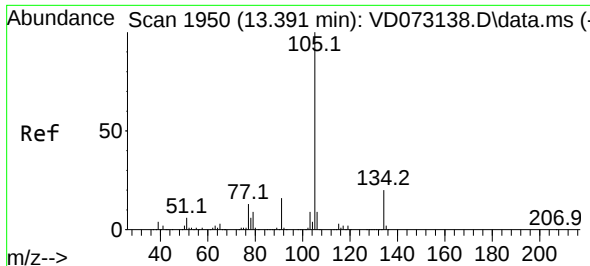
Tgt Ion: 91 Resp: 9721001
Ion Ratio Lower Upper
91 100
120 22.8 10.9 32.9



#83
tert-Butylbenzene
Concen: 43.588 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.006 min
Lab File: VD073495.D
Acq: 07 Jun 2022 12:40

Tgt Ion: 119 Resp: 1099613
Ion Ratio Lower Upper
119 100
91 91.6 34.8 104.5
134 24.5 13.3 39.9

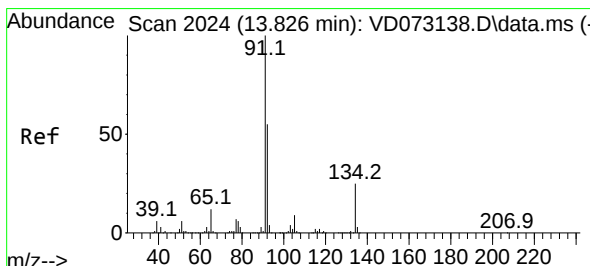
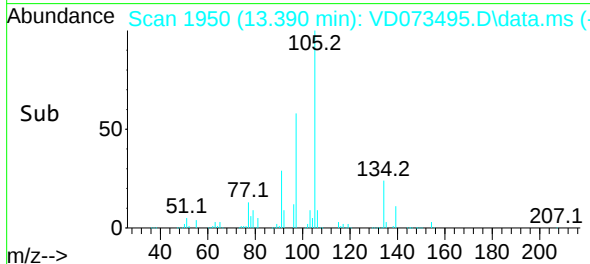
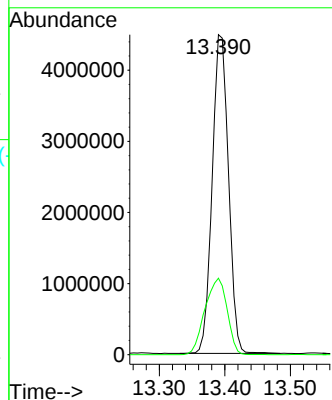
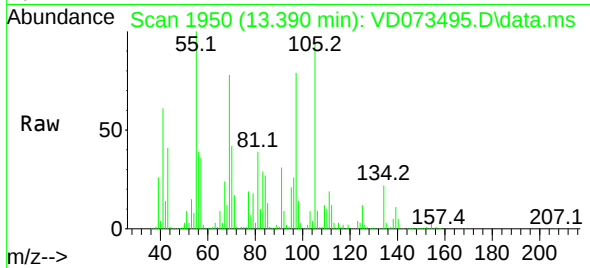




#85
 sec-Butylbenzene
 Concen: 200.568 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.001 min
 Lab File: VD073495.D
 Acq: 07 Jun 2022 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14B-4

Tgt Ion:105 Resp: 7725972
 Ion Ratio Lower Upper
 105 100
 134 32.6 9.8 29.3#



#89
 n-Butylbenzene
 Concen: 120.256 ug/l
 RT: 13.831 min Scan# 2025
 Delta R.T. 0.005 min
 Lab File: VD073495.D
 Acq: 07 Jun 2022 12:40

Tgt Ion: 91 Resp: 3597929
 Ion Ratio Lower Upper
 91 100
 92 53.6 26.6 79.8
 134 26.3 12.3 36.9

