

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062522\
 Data File : VD073709.D
 Acq On : 25 Jun 2022 15:01
 Operator : VA/SY
 Sample : N3454-02
 Misc : 4.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-4-GR

Quant Time: Jun 27 09:37:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

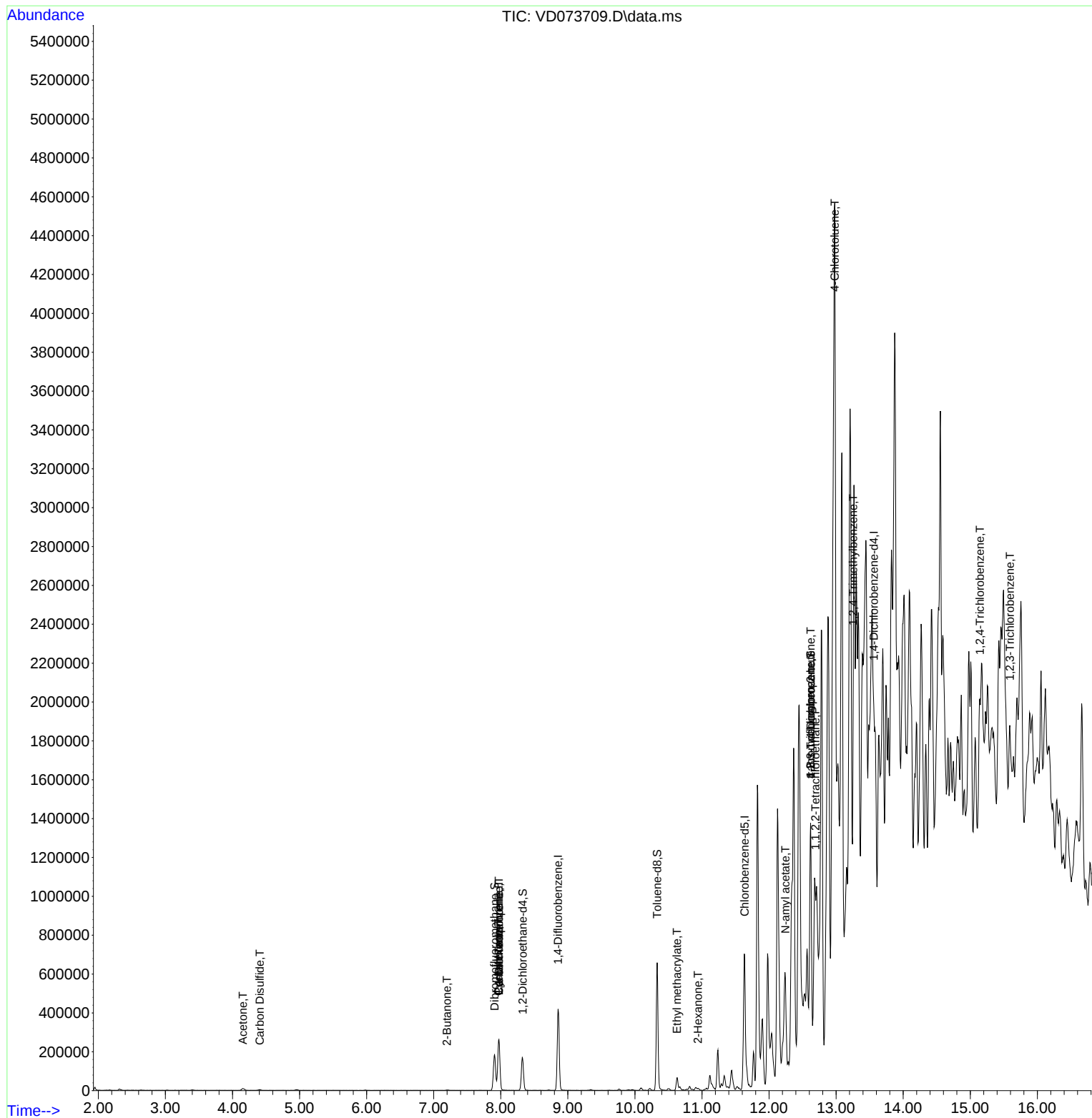
Internal Standards						
1) Pentafluorobenzene	7.973	168	196033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	370849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	359225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	254193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	139036	57.746	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.500%
35) Dibromofluoromethane	7.908	113	133739	46.294	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.580%
50) Toluene-d8	10.331	98	442038	42.615	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.240%
62) 4-Bromofluorobenzene	12.620	95	221985	57.059	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	114.120%
Target Compounds						
2) Dichlorodifluoromethane	1.985	85	116	Below Cal	#	44
3) Chloromethane	2.202	50	432	Below Cal	#	40
5) Bromomethane	2.773	94	393	Below Cal	#	3
11) Tert butyl alcohol	5.214	59	64	Below Cal	#	100
16) Acetone	4.155	43	17174	37.957	ug/l	89
17) Carbon Disulfide	4.408	76	6834	1.345	ug/l	98
20) Methylene Chloride	4.949	84	3104	Below Cal	#	70
25) 2-Butanone	7.196	43	1196	1.971	ug/l	93
31) Cyclohexane	7.967	56	4907	1.359	ug/l	# 1
36) 1,1-Dichloropropene	7.973	75	16735	4.127	ug/l	# 48
38) Carbon Tetrachloride	7.973	117	20912	4.429	ug/l	# 15
56) Ethyl methacrylate	10.626	69	17748	6.538	ug/l	# 82
59) 2-Hexanone	10.937	43	4090	3.775	ug/l	# 22
74) N-amyl acetate	12.243	43	98519	23.196	ug/l	# 38
75) 1,1,2,2-Tetrachloroethane	12.690	83	132821	33.918	ug/l	# 47
76) 1,2,3-Trichloropropane	12.620	75	83750	33.856	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	83750	69.120	ug/l	# 25
82) 4-Chlorotoluene	12.978	91	33645	2.142	ug/l	# 1
84) 1,2,4-Trimethylbenzene	13.255	105	36965	2.115	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	8273	1.549	ug/l	# 52
96) 1,2,3-Trichlorobenzene	15.590	180	14776	3.167	ug/l	# 11

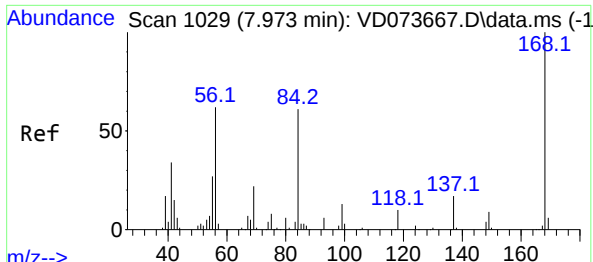
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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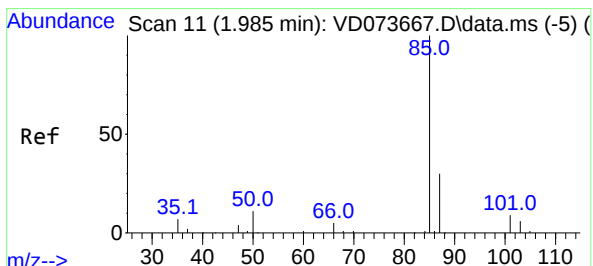
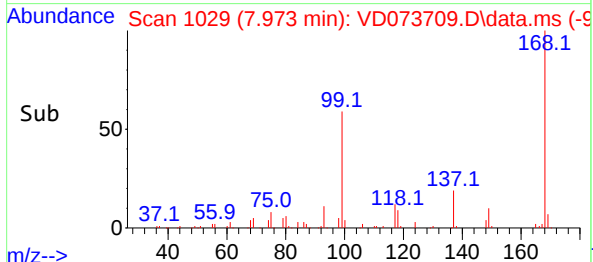
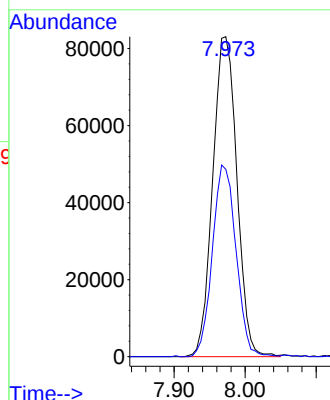
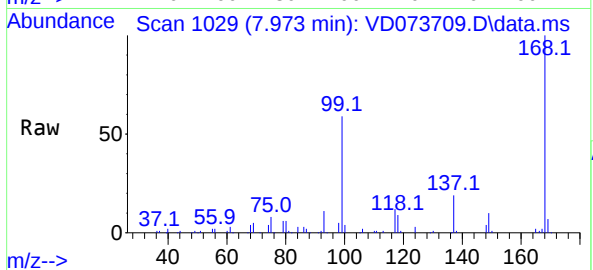




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

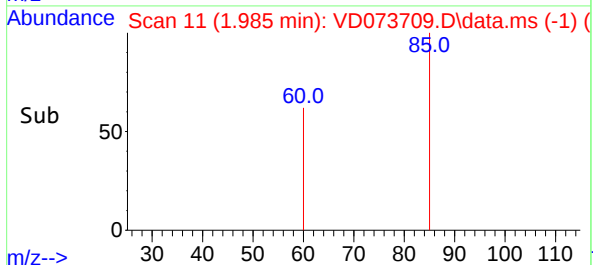
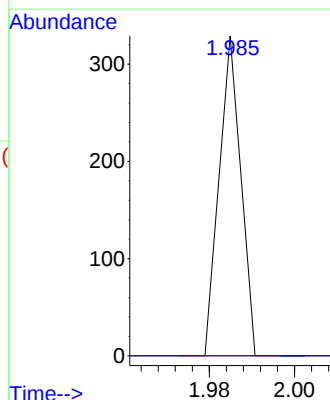
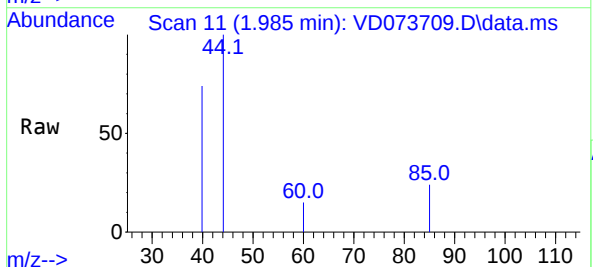
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

Tgt Ion:168 Resp: 196033
Ion Ratio Lower Upper
168 100
99 58.5 46.4 69.6

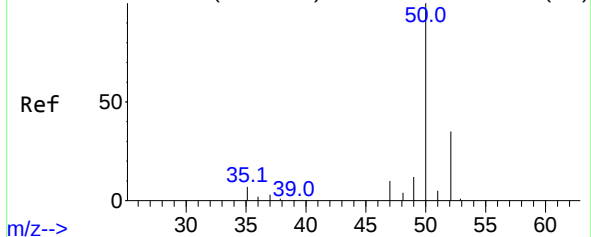


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 85 Resp: 116
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#



Abundance Scan 49 (2.209 min): VD073667.D\data.ms (-43)



#3

Chloromethane

Concen: Below Cal

RT: 2.202 min Scan# 41

Delta R.T. -0.007 min

Lab File: VD073709.D

Acq: 25 Jun 2022 15:01

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-4-GR

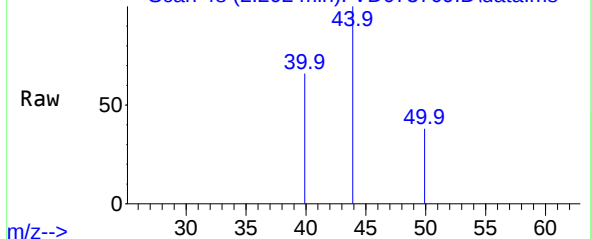
Tgt Ion: 50 Resp: 432

Ion Ratio Lower Upper

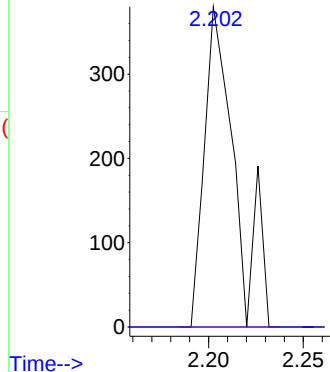
50 100

52 0.0 27.8 41.6#

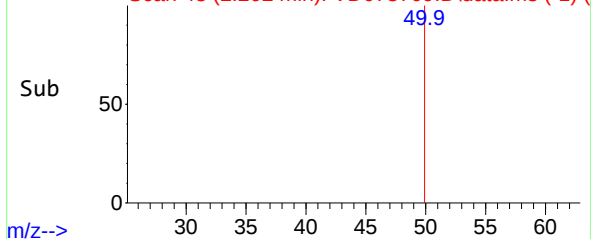
Abundance Scan 48 (2.202 min): VD073709.D\data.ms



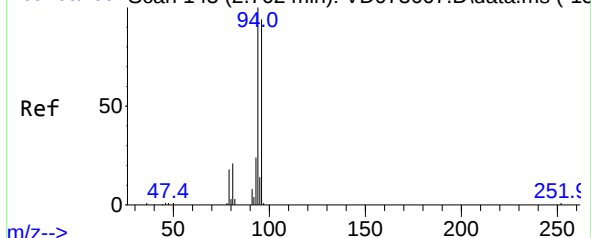
Abundance



Abundance Scan 48 (2.202 min): VD073709.D\data.ms (-1)



Abundance Scan 143 (2.762 min): VD073667.D\data.ms (-13)



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD073709.D

Acq: 25 Jun 2022 15:01

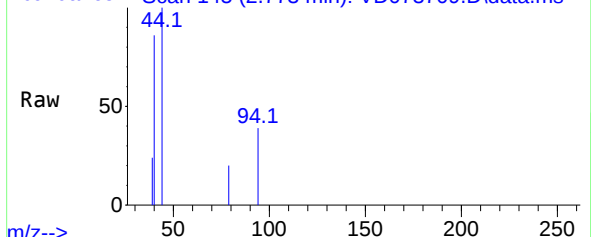
Tgt Ion: 94 Resp: 393

Ion Ratio Lower Upper

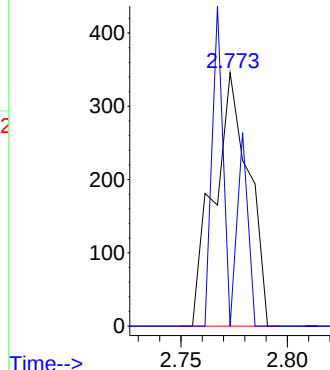
94 100

96 0.0 75.1 112.7#

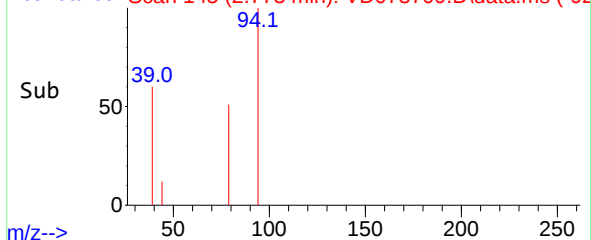
Abundance Scan 145 (2.773 min): VD073709.D\data.ms

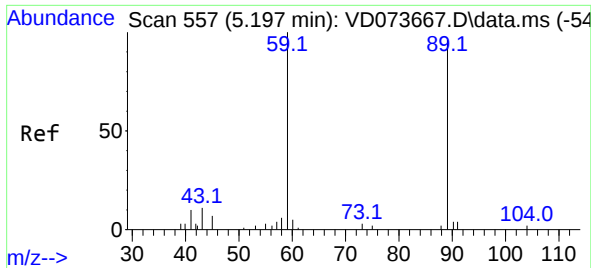


Abundance



Abundance Scan 145 (2.773 min): VD073709.D\data.ms (-92)

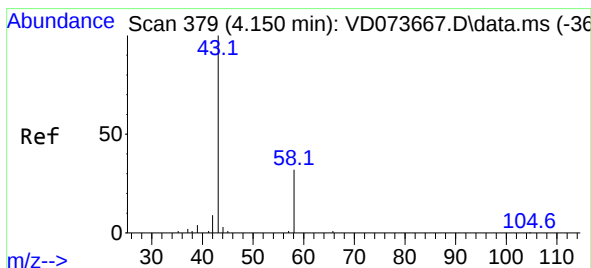
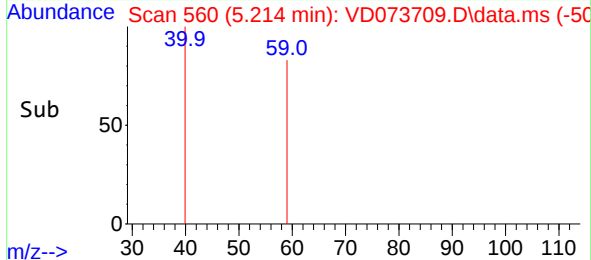
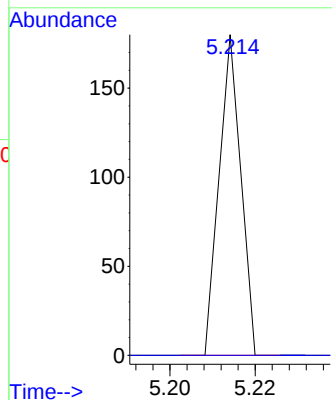
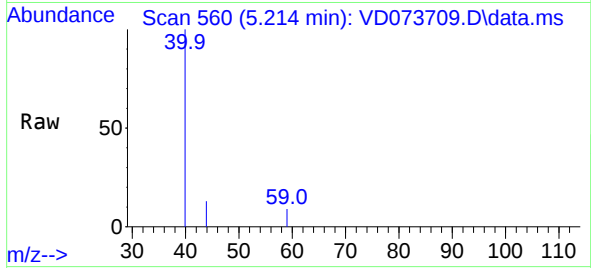




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 50
Delta R.T. 0.017 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

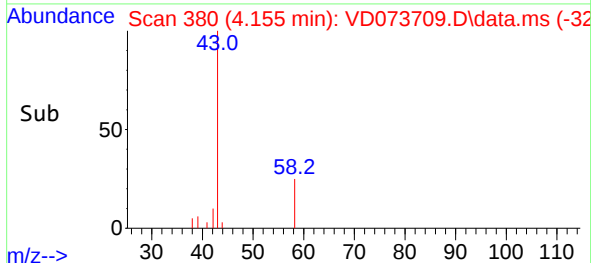
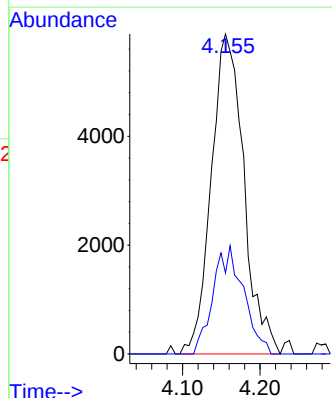
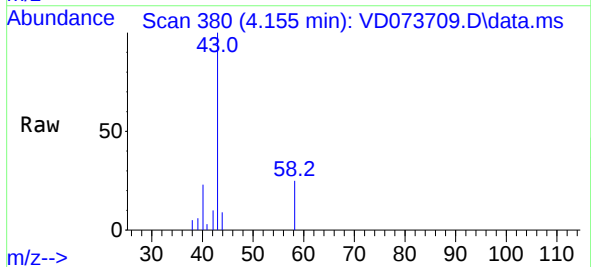
Instrument :
MSVOA_D
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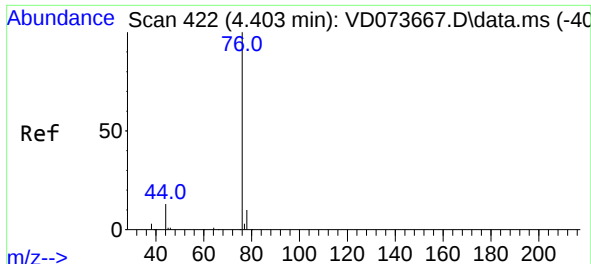
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 37.957 ug/l
RT: 4.155 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 43 Resp: 17174
Ion Ratio Lower Upper
43 100
58 25.3 25.2 37.8

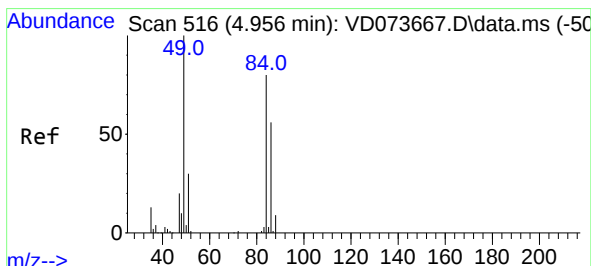
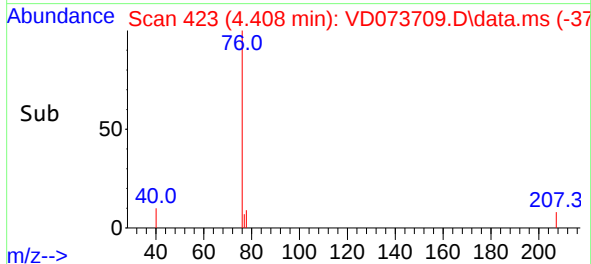
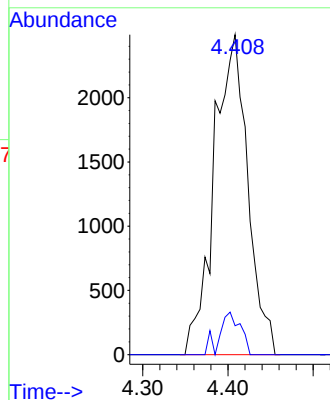
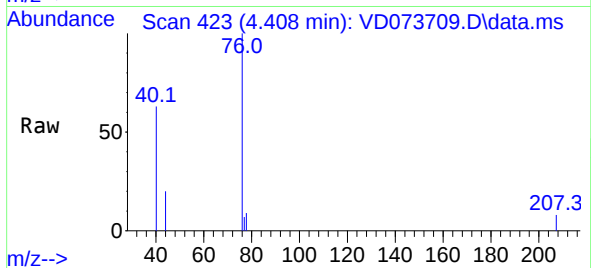




#17
Carbon Disulfide
Concen: 1.345 ug/l
RT: 4.408 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

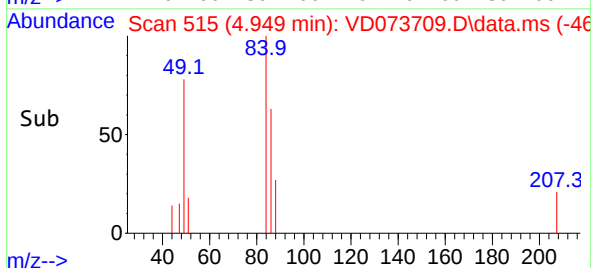
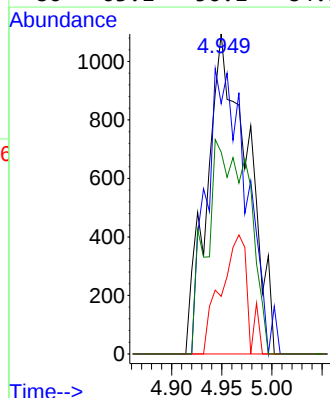
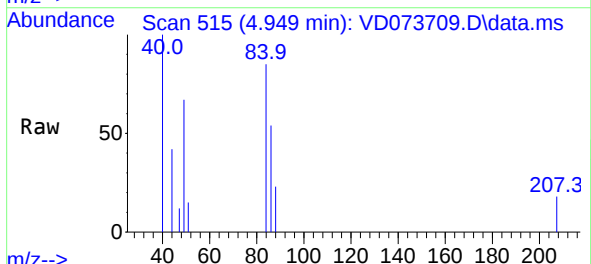
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

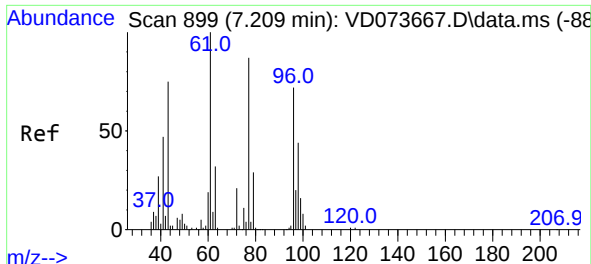
Tgt Ion: 76 Resp: 6834
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.949 min Scan# 515
Delta R.T. -0.007 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 84 Resp: 3104
Ion Ratio Lower Upper
84 100
49 78.2 100.6 150.8#
51 18.0 29.8 44.6#
86 63.1 56.1 84.1

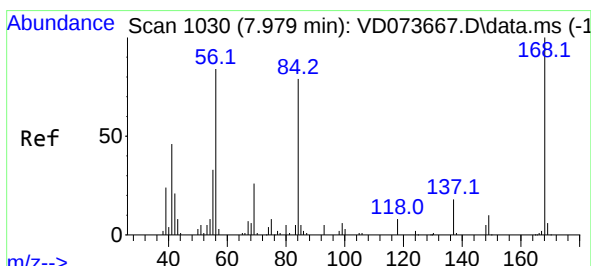
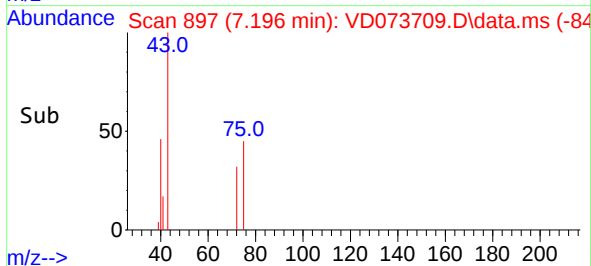
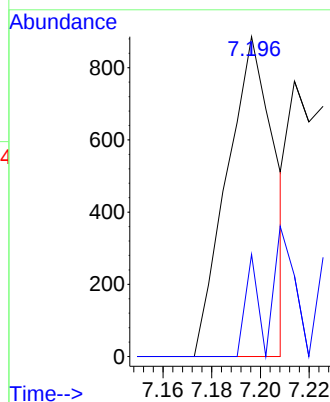
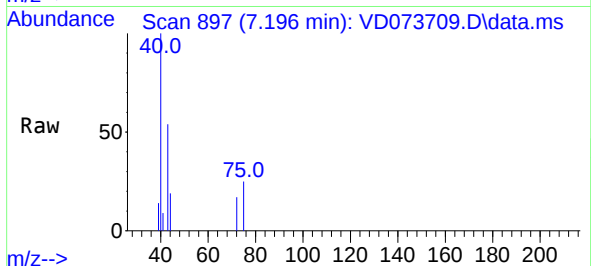




#25
2-Butanone
Concen: 1.971 ug/l
RT: 7.196 min Scan# 89
Delta R.T. -0.012 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

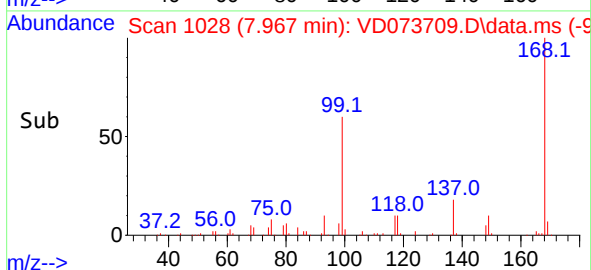
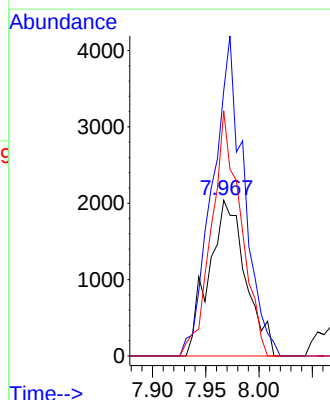
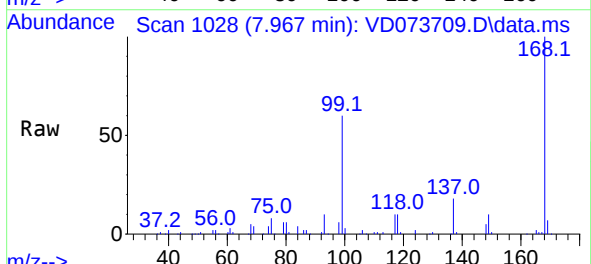
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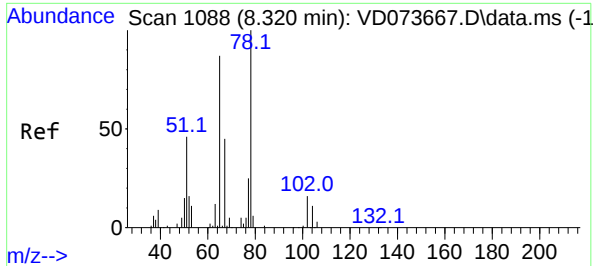
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
72 31.9 22.6 33.8



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 56 Resp: 4907
Ion Ratio Lower Upper
56 100
69 170.3 25.2 37.8#
84 157.4 75.4 113.2#

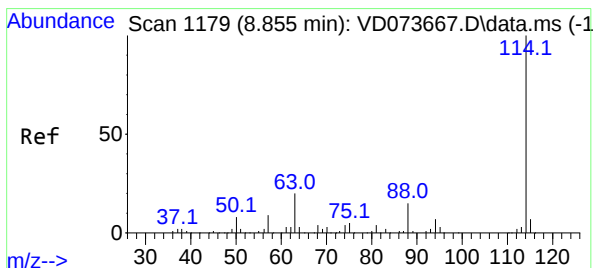
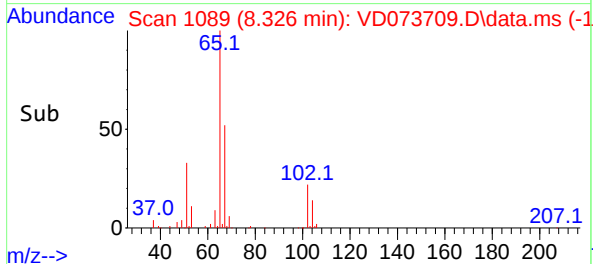
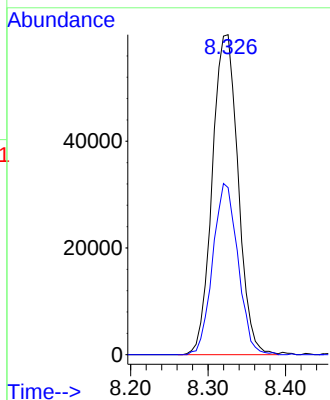
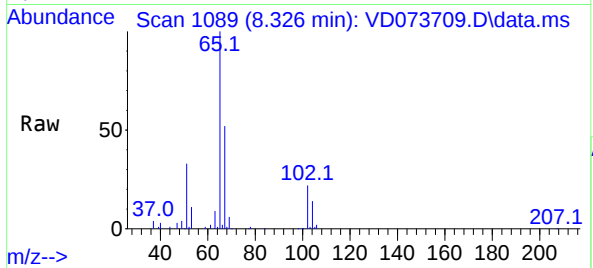




#33
 1,2-Dichloroethane-d4
 Concen: 57.746 ug/l
 RT: 8.326 min Scan# 1088
 Delta R.T. 0.005 min
 Lab File: VD073709.D
 Acq: 25 Jun 2022 15:01

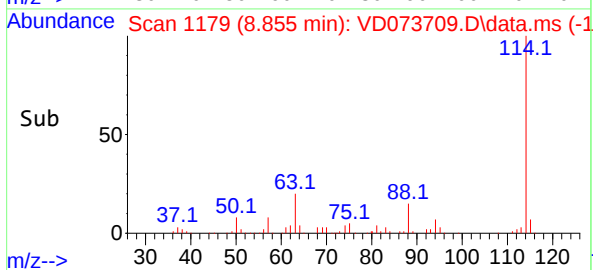
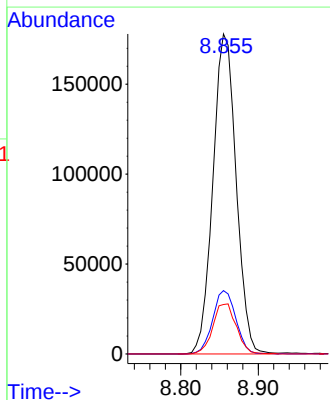
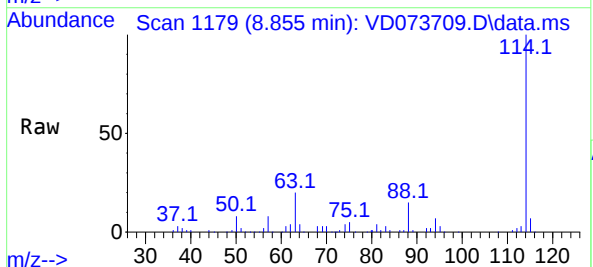
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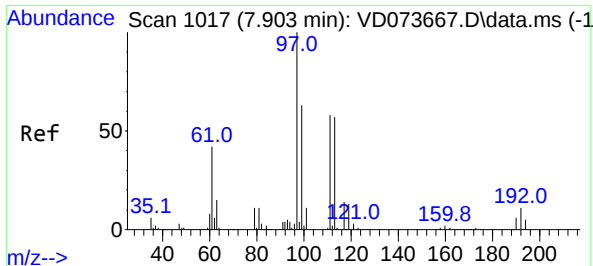
Tgt Ion: 65 Resp: 139036
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1179
 Delta R.T. -0.000 min
 Lab File: VD073709.D
 Acq: 25 Jun 2022 15:01

Tgt Ion: 114 Resp: 370849
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 15.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.294 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.005 min

Lab File: VD073709.D

Acq: 25 Jun 2022 15:01

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-4-GR

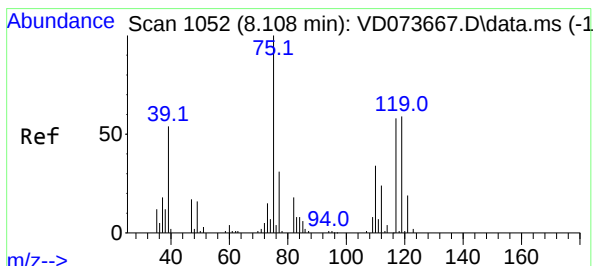
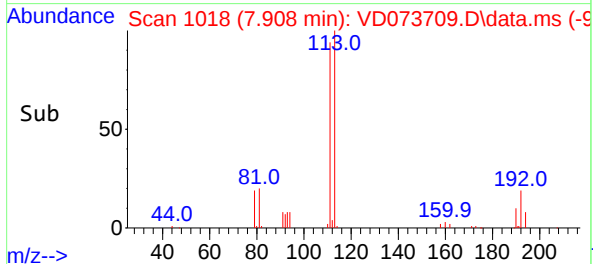
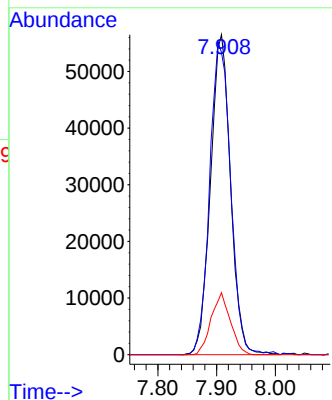
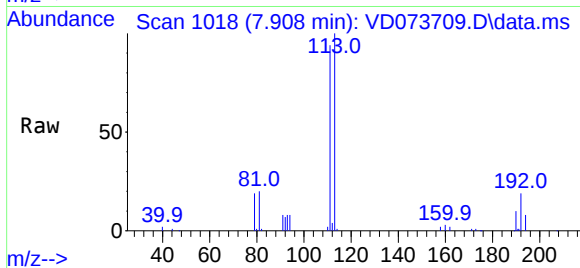
Tgt Ion:113 Resp: 133739

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.127 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD073709.D

Acq: 25 Jun 2022 15:01

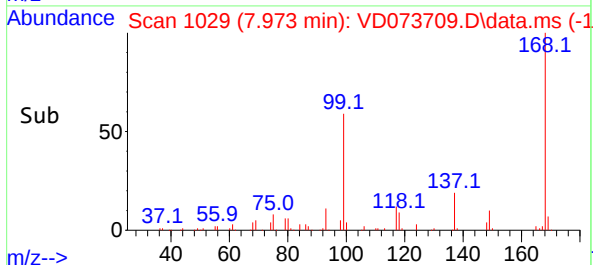
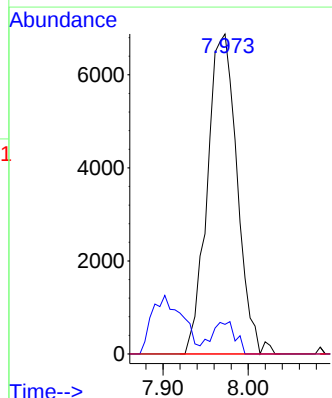
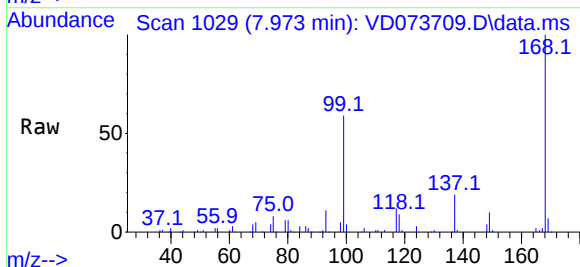
Tgt Ion: 75 Resp: 16735

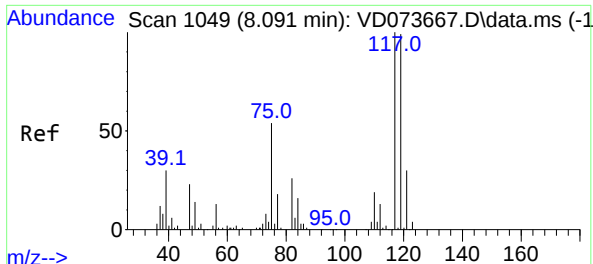
Ion Ratio Lower Upper

75 100

110 8.1 18.0 54.0#

77 0.0 25.6 38.4#

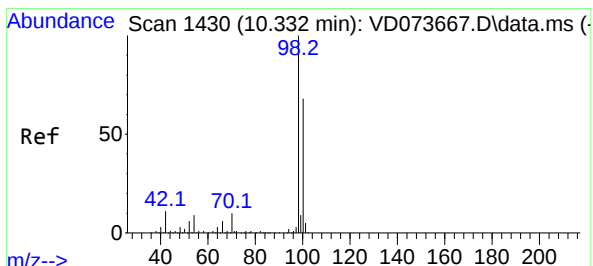
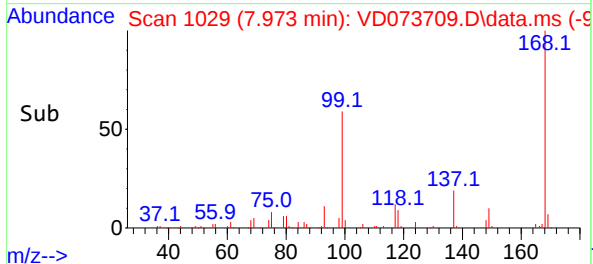
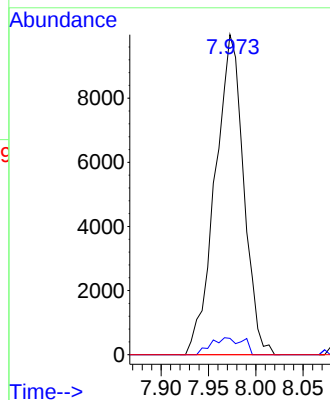
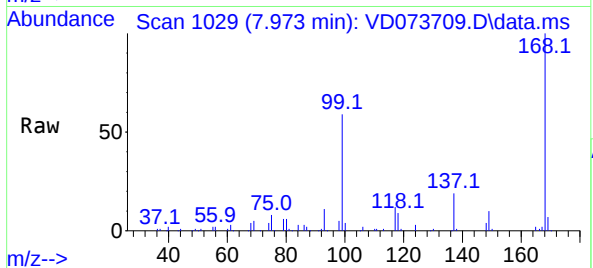




#38
Carbon Tetrachloride
Concen: 4.429 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

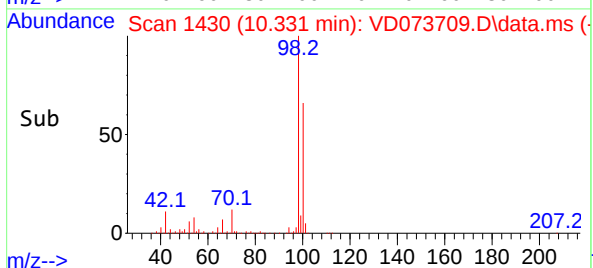
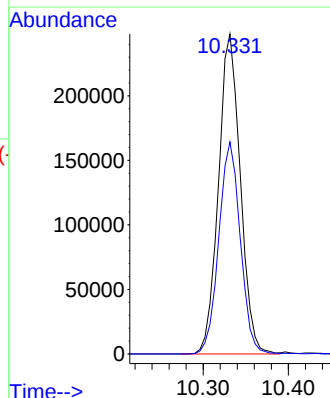
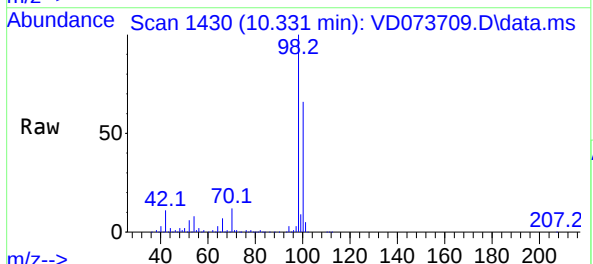
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

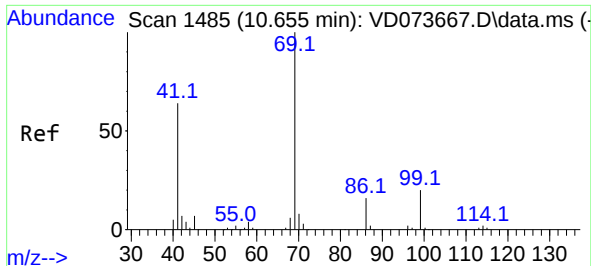
Tgt Ion:117 Resp: 20912
Ion Ratio Lower Upper
117 100
119 5.1 79.2 118.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 42.615 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 98 Resp: 442038
Ion Ratio Lower Upper
98 100
100 65.3 54.0 81.0

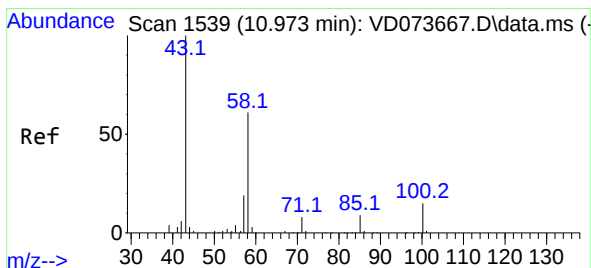
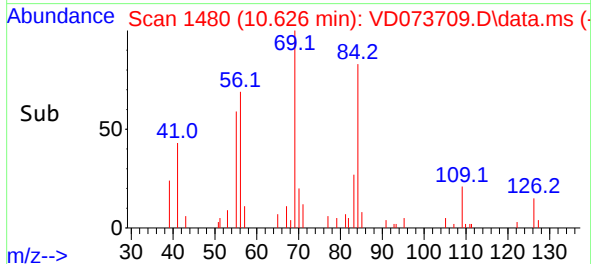
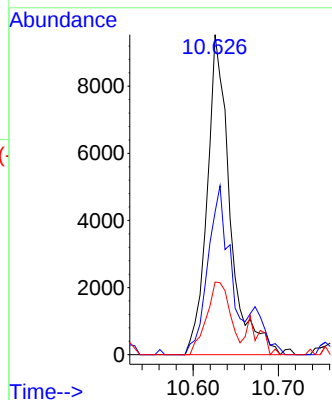
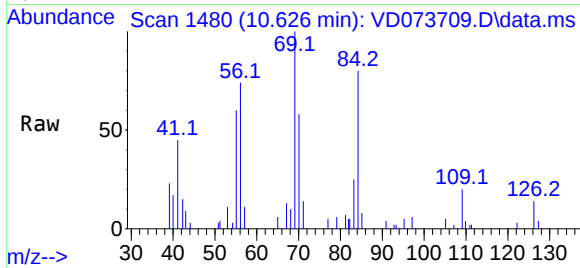




#56
Ethyl methacrylate
Concen: 6.538 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.030 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

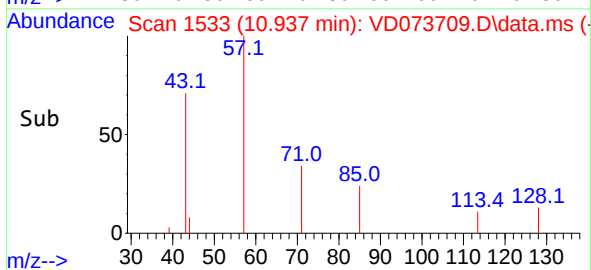
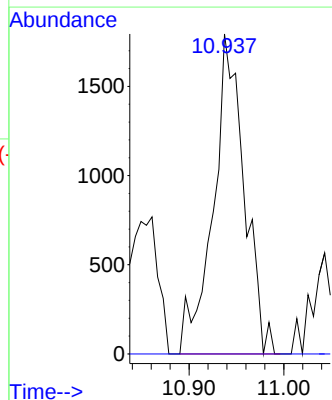
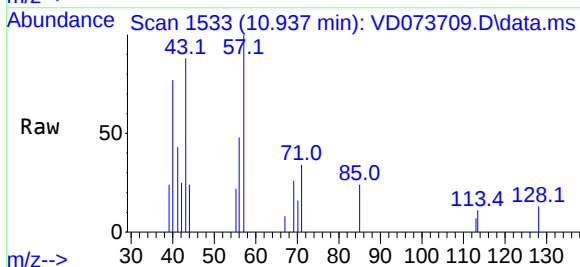
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

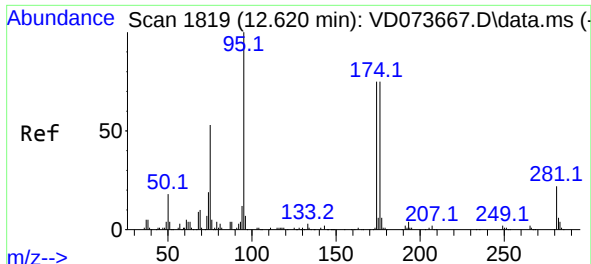
Tgt Ion: 69 Resp: 17748
Ion Ratio Lower Upper
69 100
41 52.1 51.6 77.4
39 23.5 29.2 43.8#



#59
2-Hexanone
Concen: 3.775 ug/l
RT: 10.937 min Scan# 1533
Delta R.T. -0.036 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#

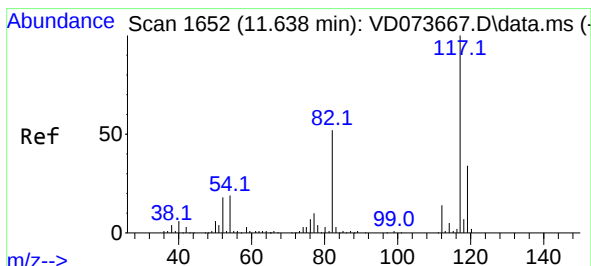
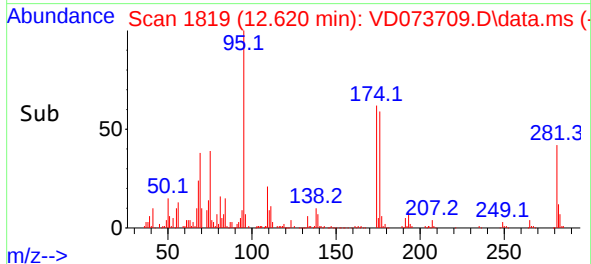
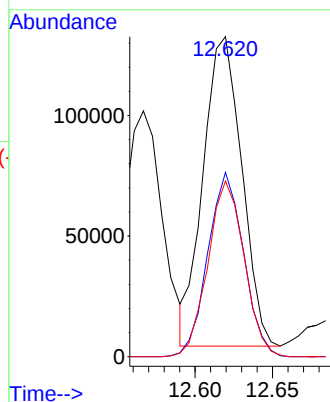
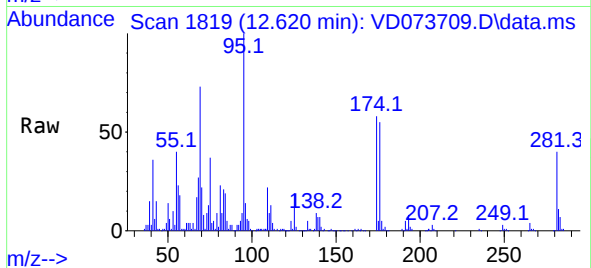




#62
4-Bromofluorobenzene
Concen: 57.059 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

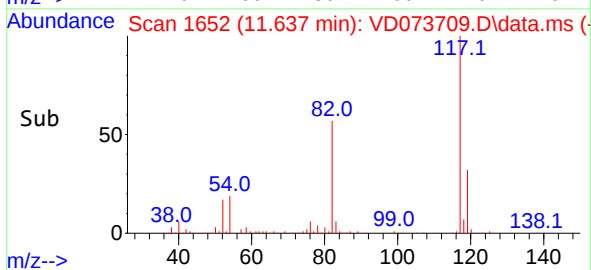
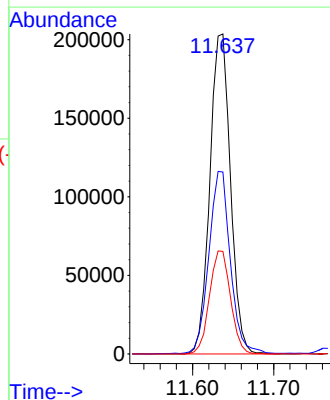
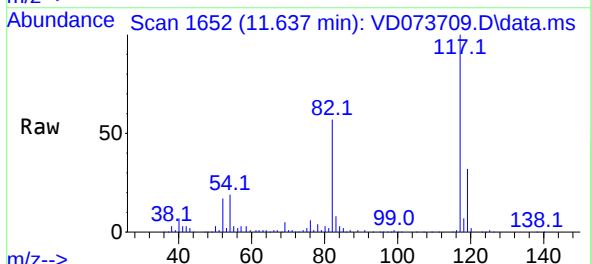
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

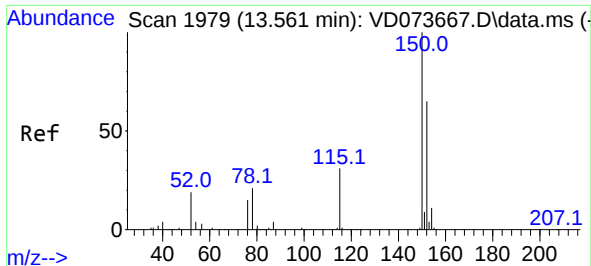
Tgt Ion: 95 Resp: 221985
Ion Ratio Lower Upper
95 100
174 55.2 0.0 158.4
176 53.2 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

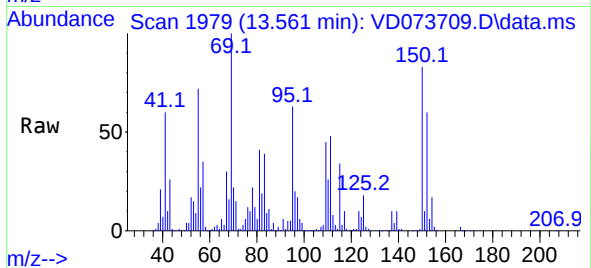
Tgt Ion: 117 Resp: 359225
Ion Ratio Lower Upper
117 100
82 56.7 41.5 62.3
119 32.1 27.1 40.7



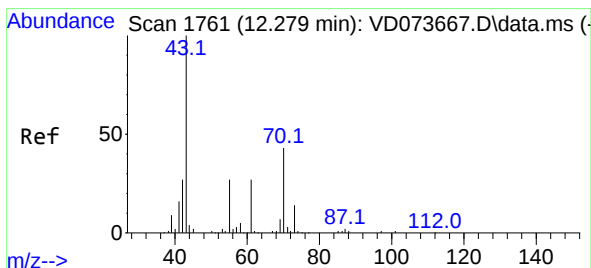
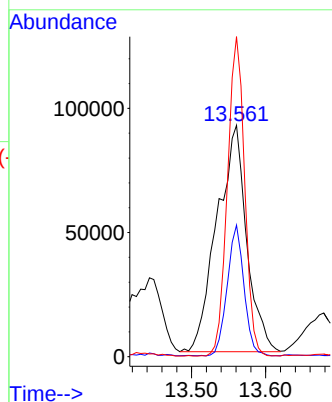
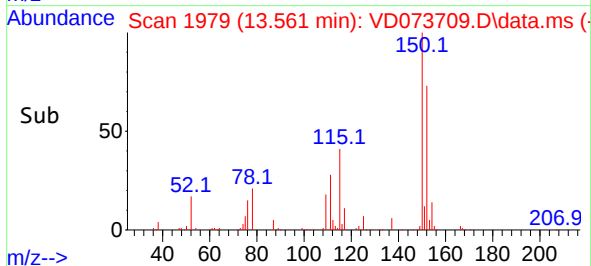


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

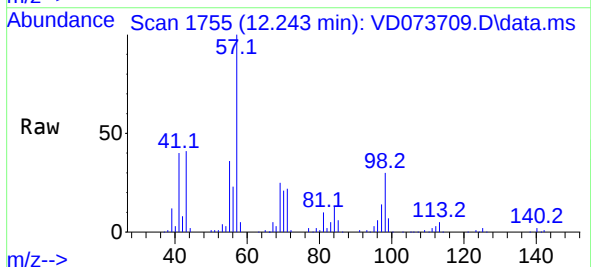
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR



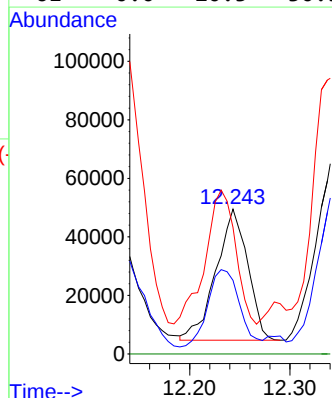
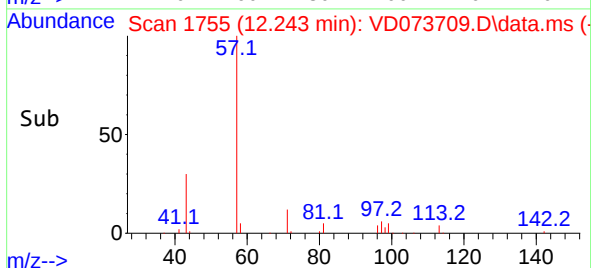
Tgt Ion:152 Resp: 254193
Ion Ratio Lower Upper
152 100
115 32.5 30.6 91.6
150 81.5 0.0 355.0

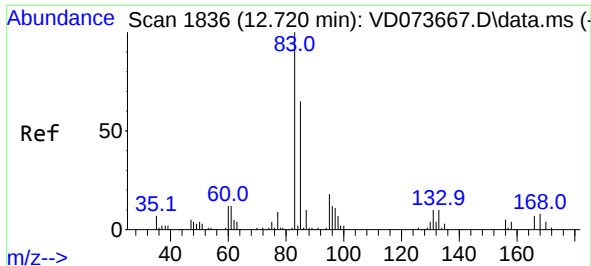


#74
N-ethyl acetate
Concen: 23.196 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.036 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01



Tgt Ion: 43 Resp: 98519
Ion Ratio Lower Upper
43 100
70 59.0 35.0 52.6#
55 96.5 21.0 31.4#
61 0.0 20.3 30.5#

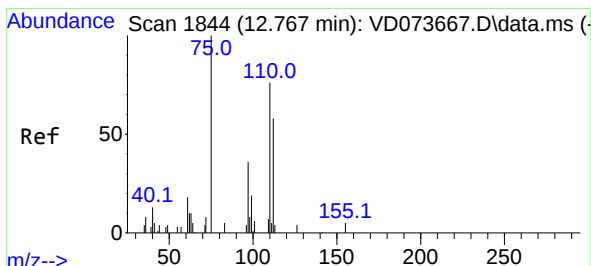
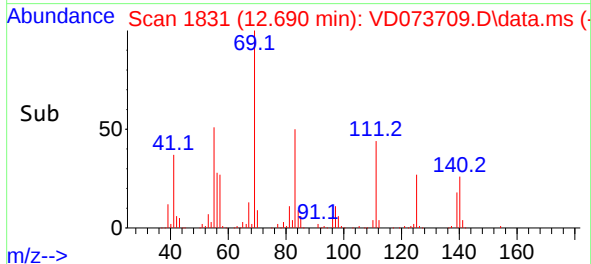
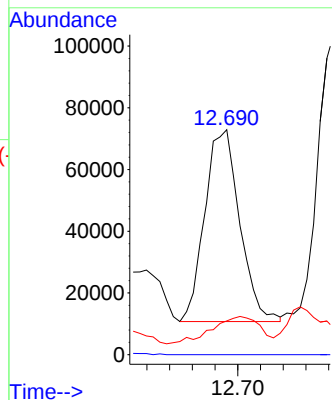
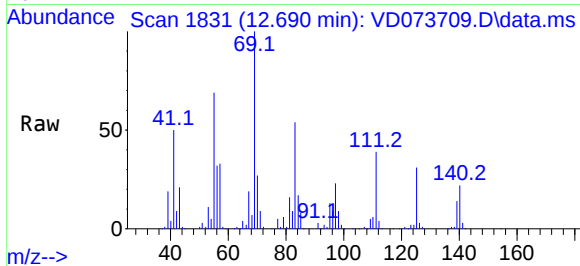




#75
1,1,2,2-Tetrachloroethane
Concen: 33.918 ug/l
RT: 12.690 min Scan# 1819
Delta R.T. -0.030 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

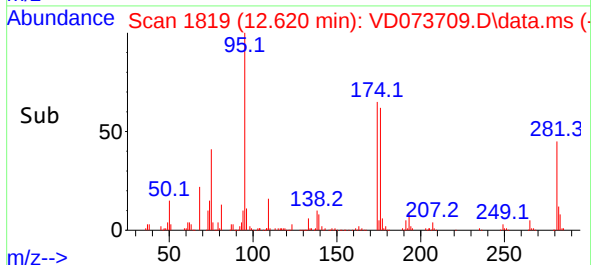
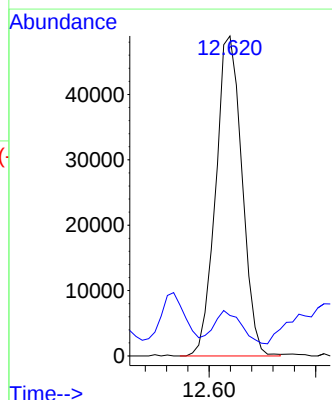
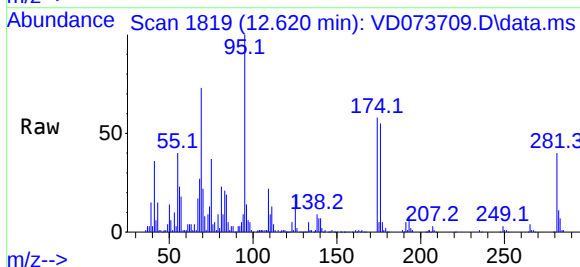
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

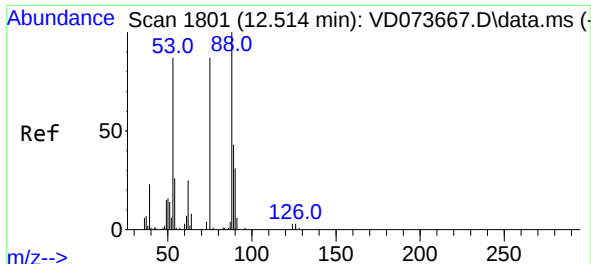
Tgt Ion: 83 Resp: 132821
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.7#
85 19.6 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 33.856 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 75 Resp: 83750
Ion Ratio Lower Upper
75 100
77 10.6 195.3 586.0#

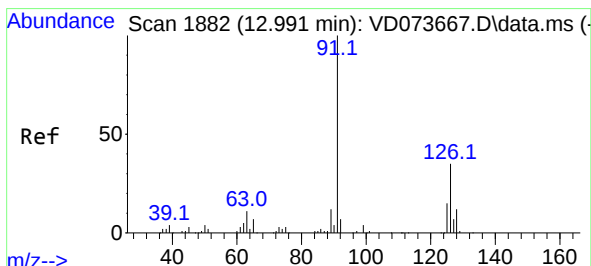
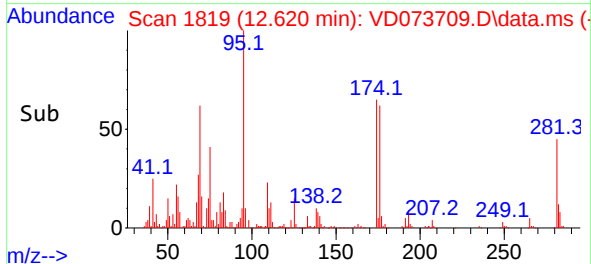
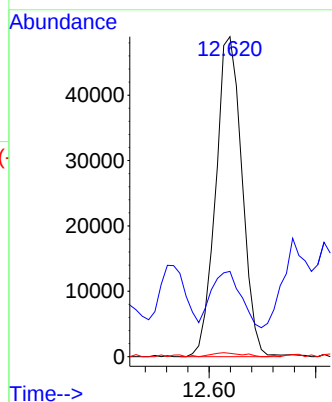
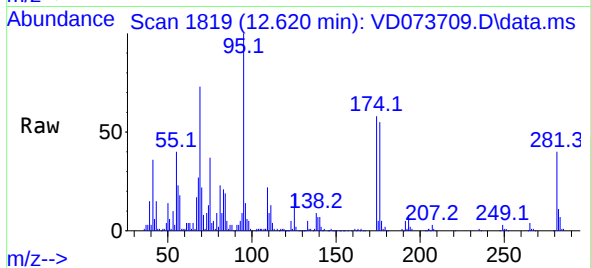




#81
trans-1,4-Dichloro-2-butene
Concen: 69.120 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.105 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

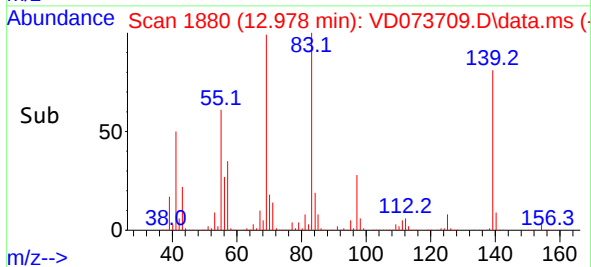
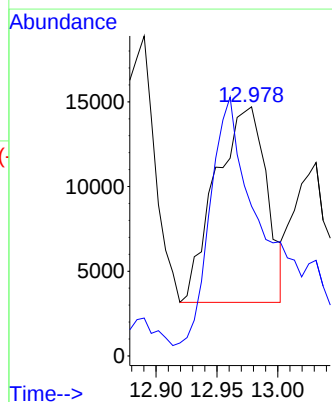
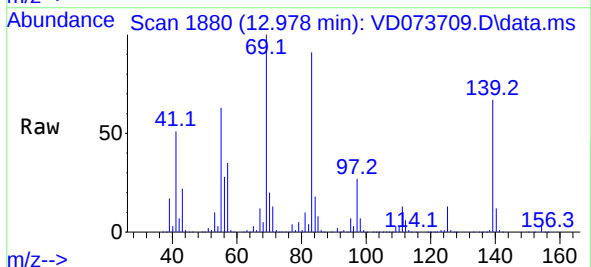
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

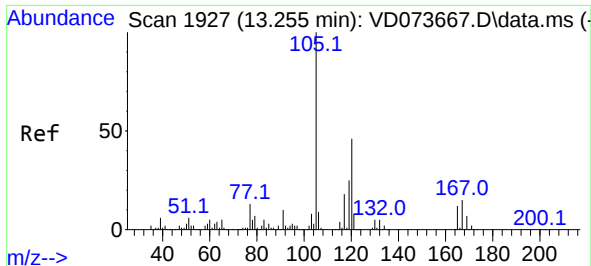
Tgt Ion: 75 Resp: 83750
Ion Ratio Lower Upper
75 100
53 19.7 77.0 115.6#
89 1.4 37.8 56.8#



#82
4-Chlorotoluene
Concen: 2.142 ug/l
RT: 12.978 min Scan# 1880
Delta R.T. -0.012 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Tgt Ion: 91 Resp: 33645
Ion Ratio Lower Upper
91 100
126 127.6 16.8 50.4#

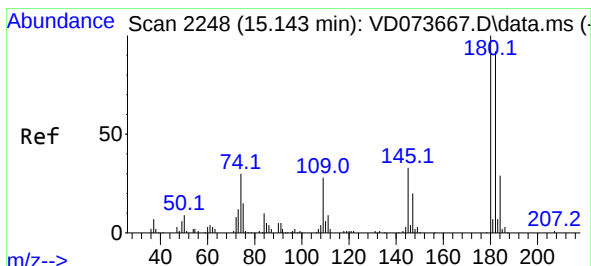
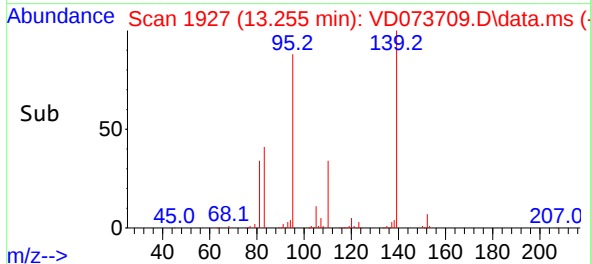
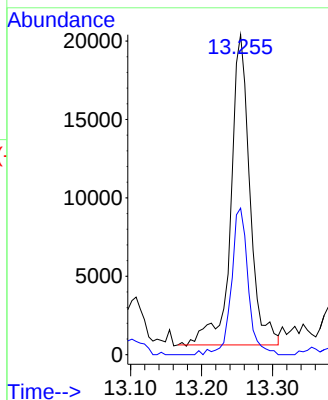
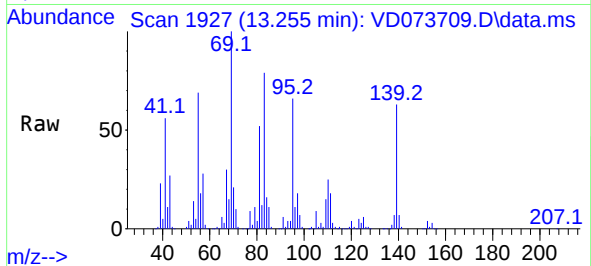




#84
1,2,4-Trimethylbenzene
Concen: 2.115 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

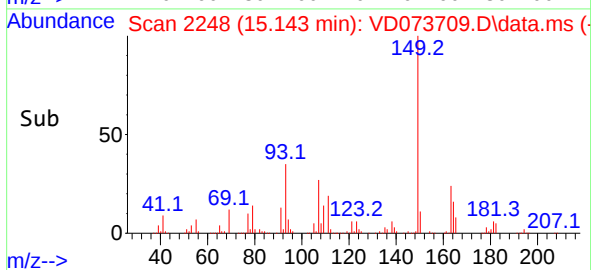
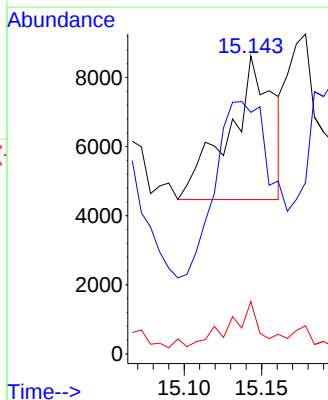
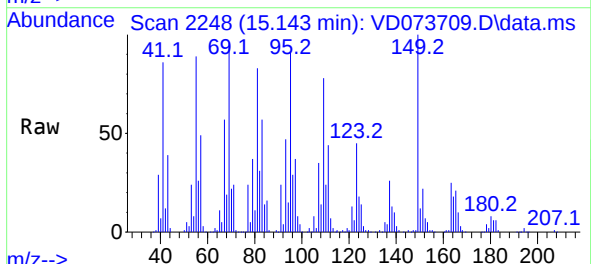
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR

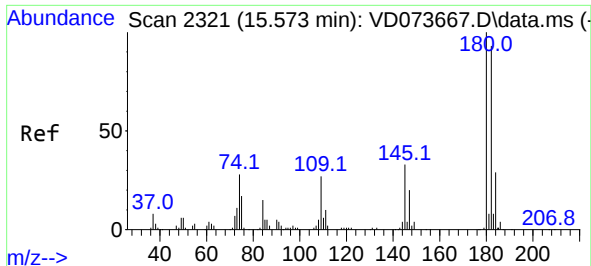
Tgt Ion:105 Resp: 36965
Ion Ratio Lower Upper
105 100
120 41.6 22.6 67.8



#93
1,2,4-Trichlorobenzene
Concen: 1.549 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.000 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

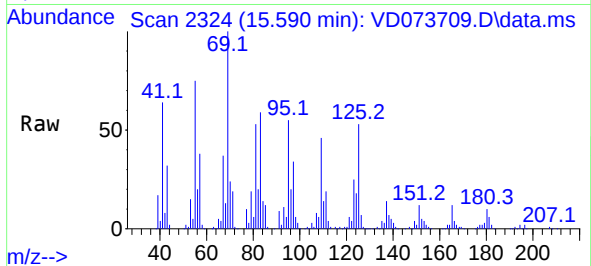
Tgt Ion:180 Resp: 8273
Ion Ratio Lower Upper
180 100
182 156.1 48.0 144.0#
145 27.4 16.2 48.5





#96
1,2,3-Trichlorobenzene
Concen: 3.167 ug/l
RT: 15.590 min Scan# 21
Delta R.T. 0.017 min
Lab File: VD073709.D
Acq: 25 Jun 2022 15:01

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4-GR



Tgt Ion:180 Resp: 14776
Ion Ratio Lower Upper
180 100
182 0.0 49.0 147.0#
145 0.8 17.6 52.8#

