

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062522\
 Data File : VD073710.D
 Acq On : 25 Jun 2022 15:31
 Operator : VA/SY
 Sample : N3454-10
 Misc : 6.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1B-GR

Quant Time: Jun 27 09:38:08 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)

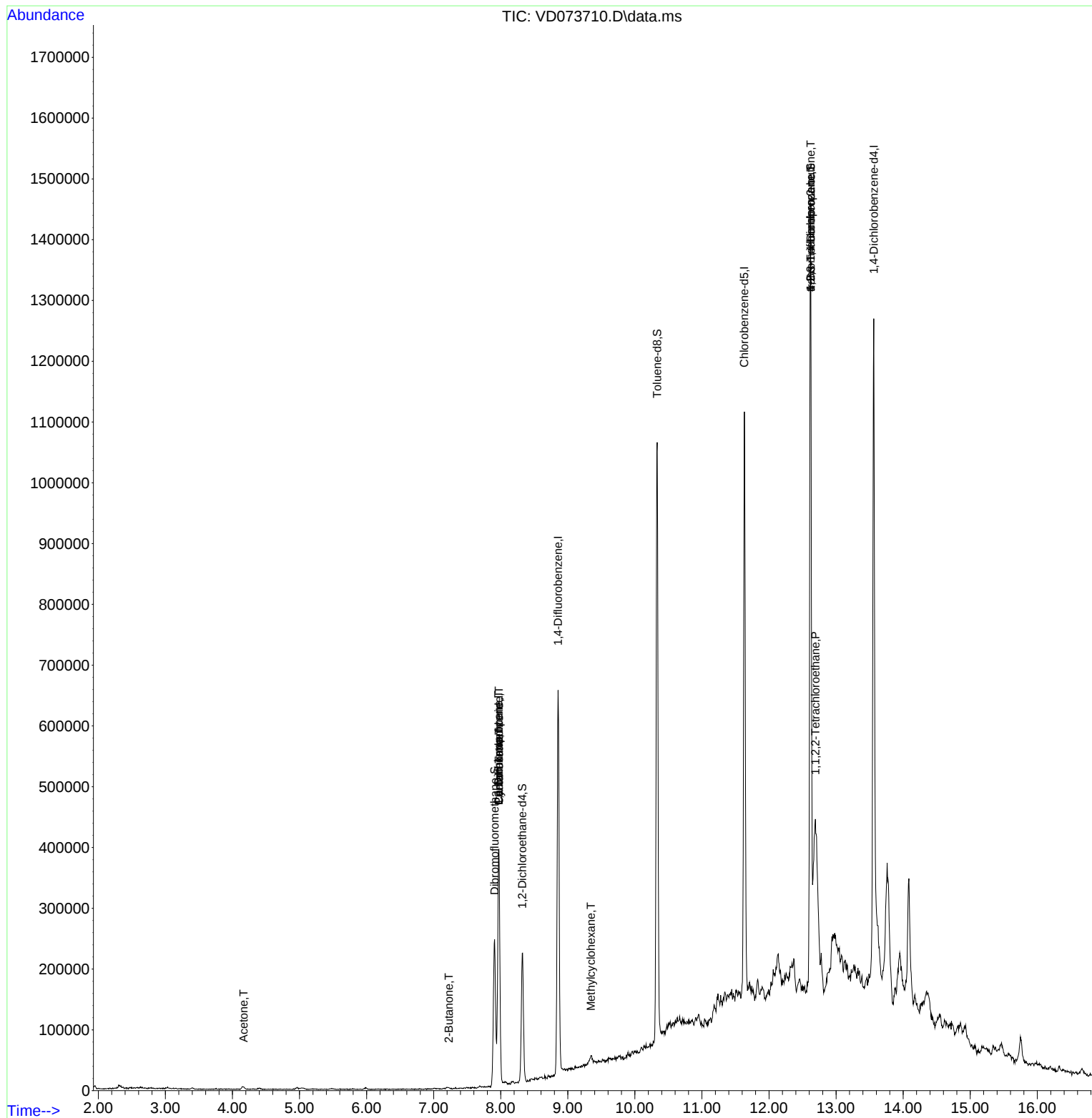
Internal Standards						
1) Pentafluorobenzene	7.973	168	286953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	555412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	565808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	283386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	173593	49.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.500%
35) Dibromofluoromethane	7.909	113	174911	40.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.860%
50) Toluene-d8	10.332	98	701681	45.168	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.340%
62) 4-Bromofluorobenzene	12.620	95	292174	50.145	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	114	Below Cal	#	44
3) Chloromethane	2.209	50	422	Below Cal	#	40
5) Bromomethane	2.774	94	410	Below Cal		99
11) Tert butyl alcohol	5.197	59	304	Below Cal	#	100
16) Acetone	4.168	43	8091	6.962	ug/l	96
18) Methyl Acetate	4.909	43	275	Below Cal	#	50
20) Methylene Chloride	4.968	84	883	Below Cal	#	45
25) 2-Butanone	7.226	43	1698	1.912	ug/l	98
31) Cyclohexane	7.973	56	7706	1.457	ug/l #	31
36) 1,1-Dichloropropene	7.967	75	22307	3.673	ug/l #	52
38) Carbon Tetrachloride	7.973	117	30947	4.376	ug/l #	18
39) Methylcyclohexane	9.344	83	7188	1.066	ug/l	88
75) 1,1,2,2-Tetrachloroethane	12.691	83	98122	22.476	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	138108	50.079	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	138108	102.241	ug/l #	13

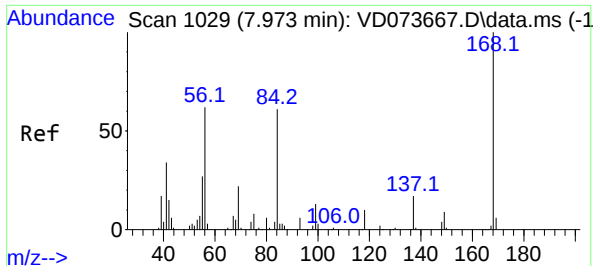
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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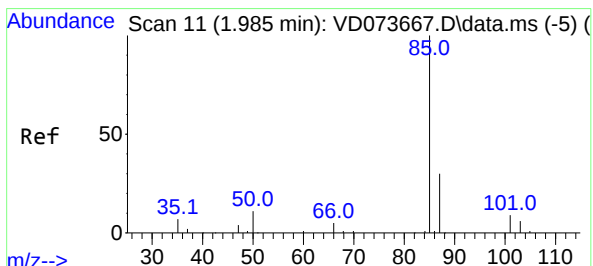
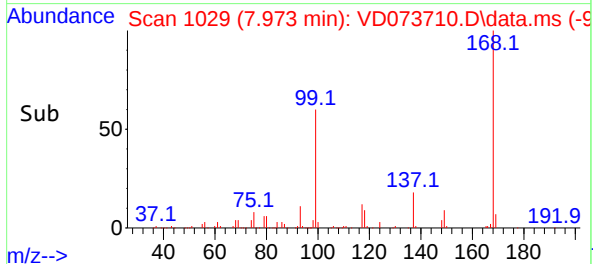
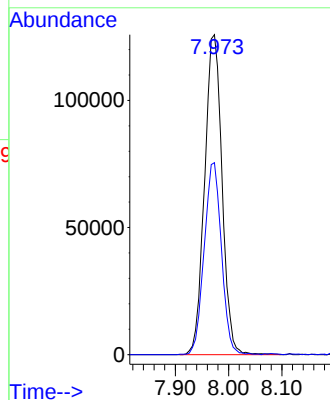
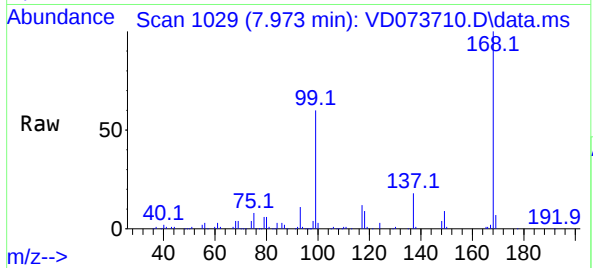




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

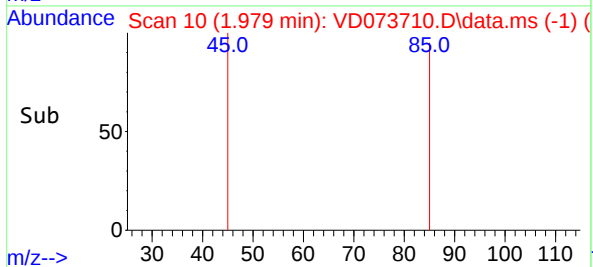
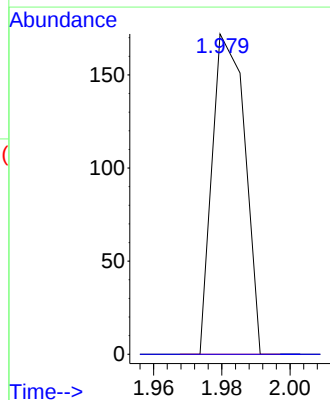
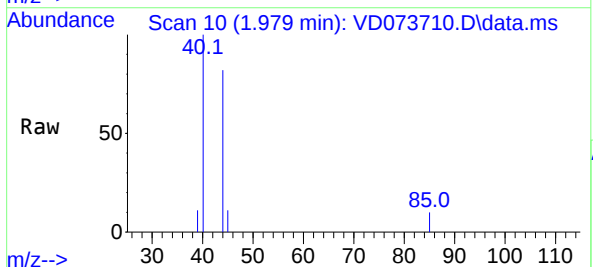
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

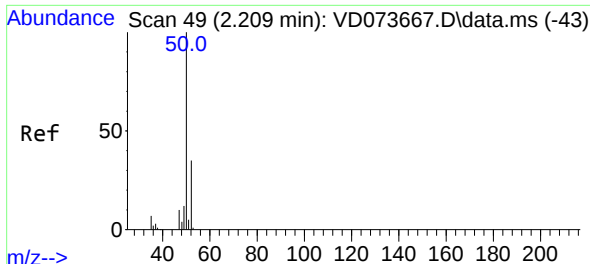
Tgt Ion:168 Resp: 286953
Ion Ratio Lower Upper
168 100
99 59.9 46.4 69.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 85 Resp: 114
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#

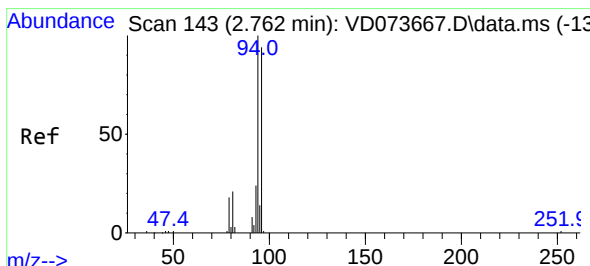
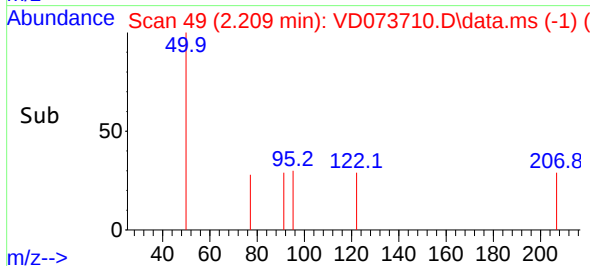
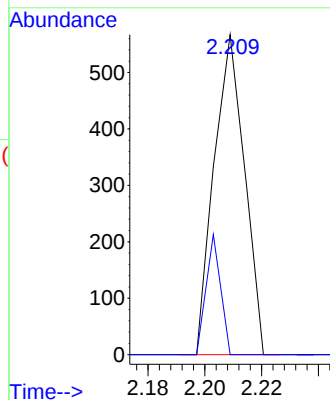
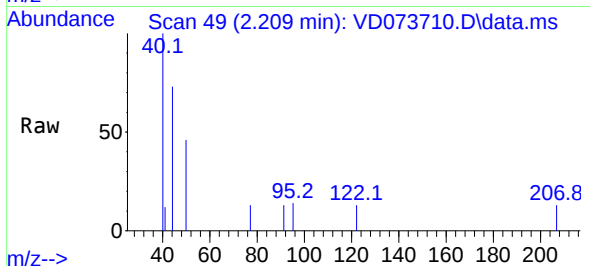




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

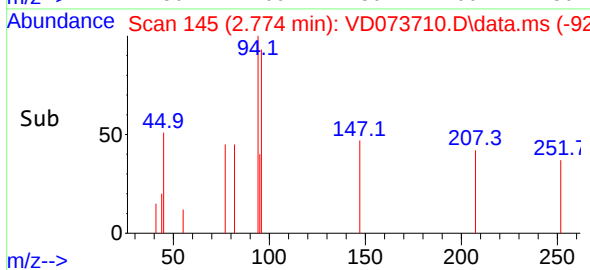
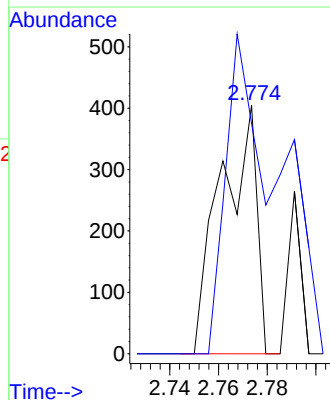
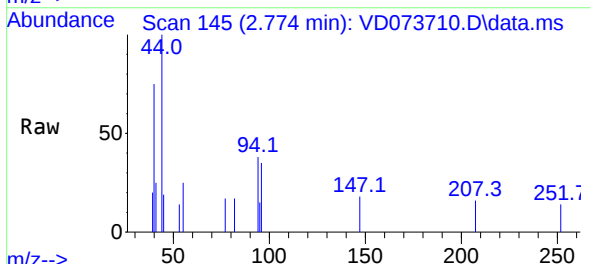
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

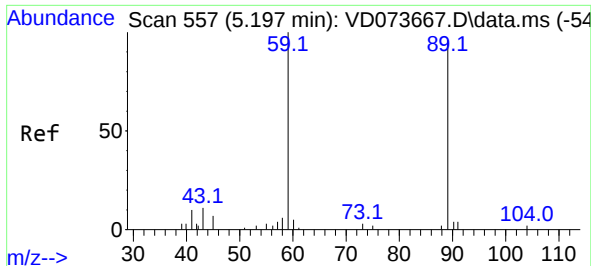
Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 94 Resp: 410
Ion Ratio Lower Upper
94 100
96 92.6 75.1 112.7

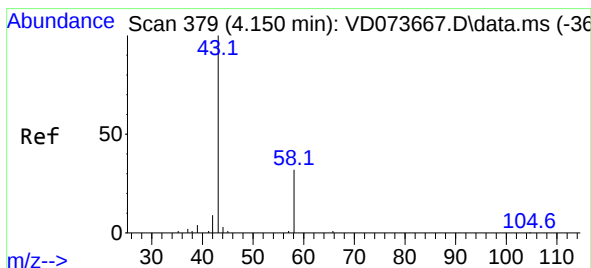
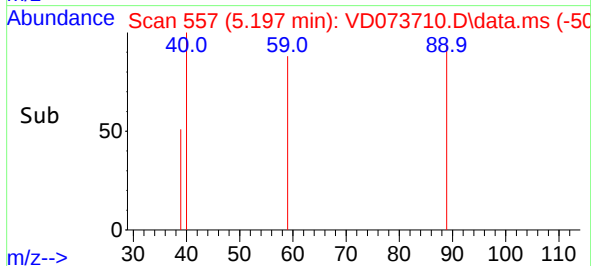
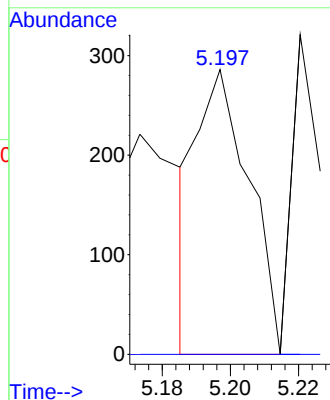
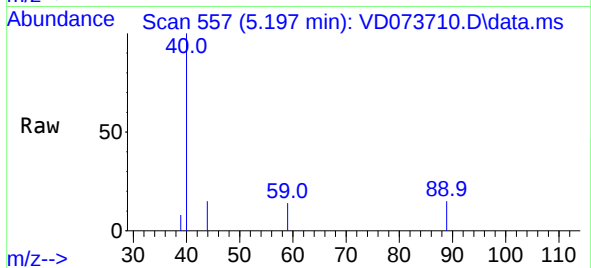




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

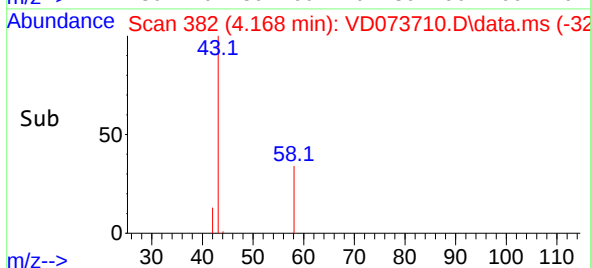
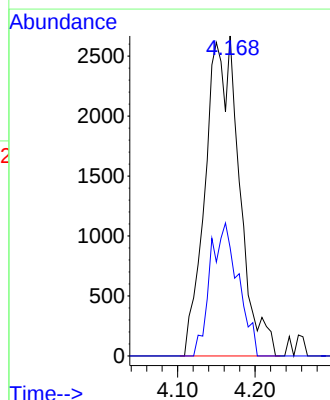
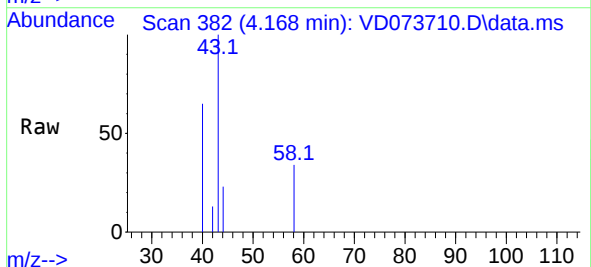
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

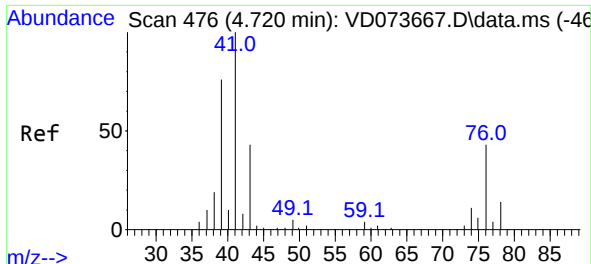
Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 6.962 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.018 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 43 Resp: 8091
Ion Ratio Lower Upper
43 100
58 33.8 25.2 37.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.909 min Scan# 518

Delta R.T. 0.189 min

Lab File: VD073710.D

Acq: 25 Jun 2022 15:31

Instrument :

MSVOA_D

ClientSampleId :

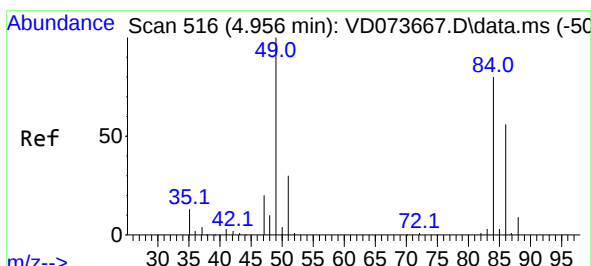
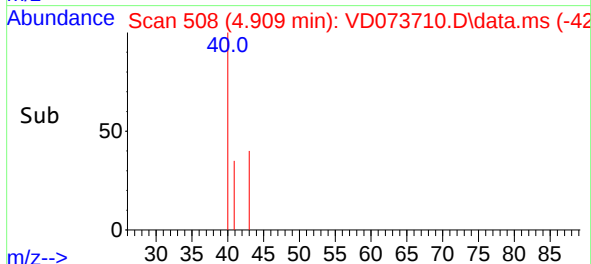
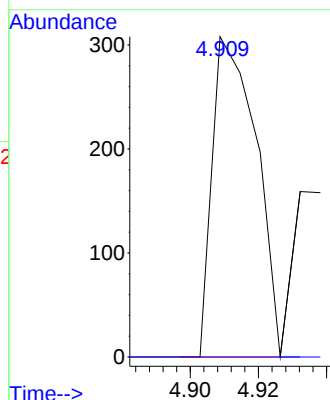
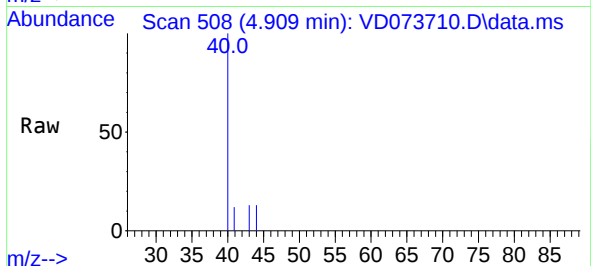
WC-14A-1B-GR

Tgt Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 518

Delta R.T. 0.012 min

Lab File: VD073710.D

Acq: 25 Jun 2022 15:31

Tgt Ion: 84 Resp: 883

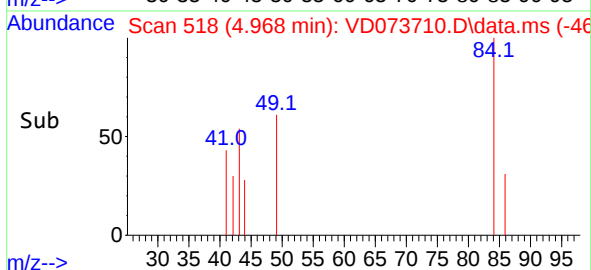
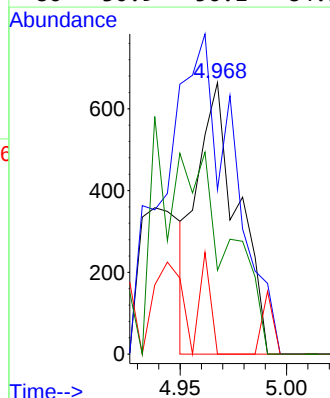
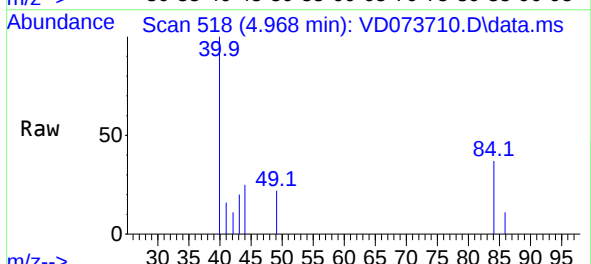
Ion Ratio Lower Upper

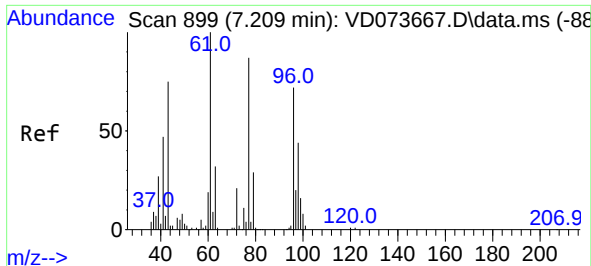
84 100

49 60.5 100.6 150.8#

51 0.0 29.8 44.6#

86 30.9 56.1 84.1#

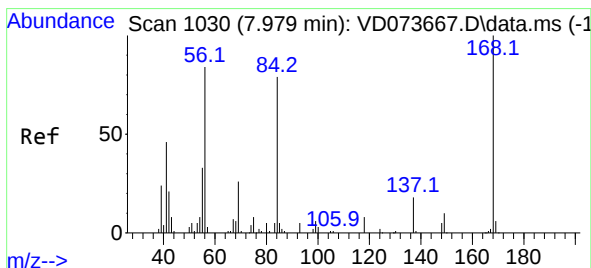
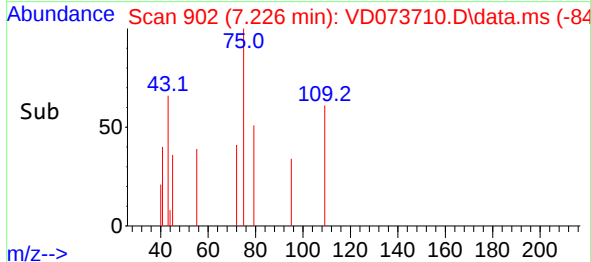
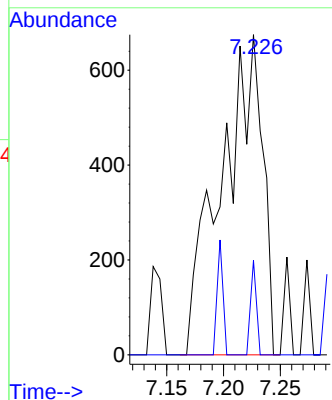
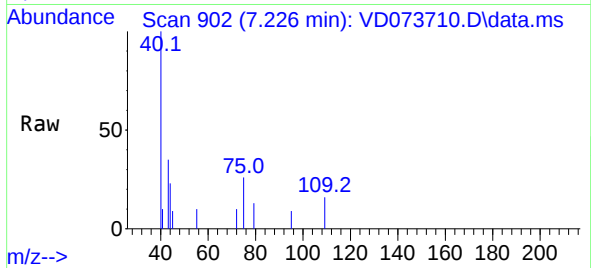




#25
2-Butanone
Concen: 1.912 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.018 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

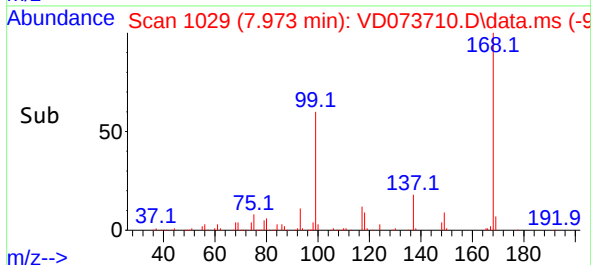
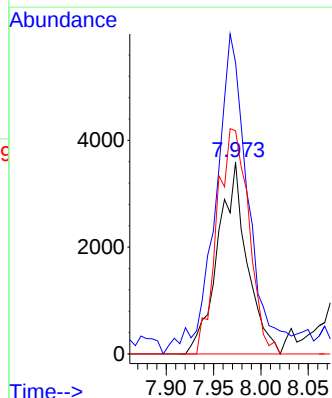
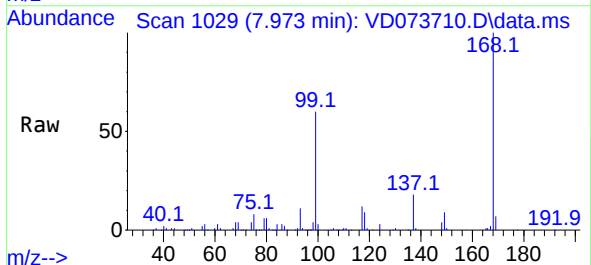
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

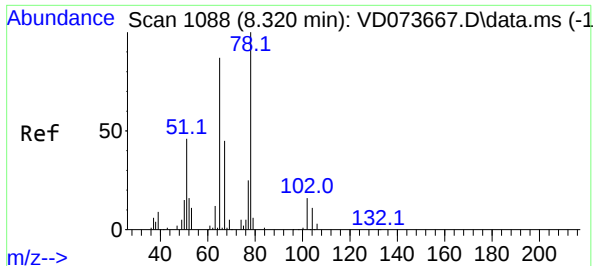
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
72 29.5 22.6 33.8



#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 56 Resp: 7706
Ion Ratio Lower Upper
56 100
69 146.3 25.2 37.8#
84 116.2 75.4 113.2#





#33

1,2-Dichloroethane-d4

Concen: 49.254 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073710.D

Acq: 25 Jun 2022 15:31

Instrument :

MSVOA_D

ClientSampleId :

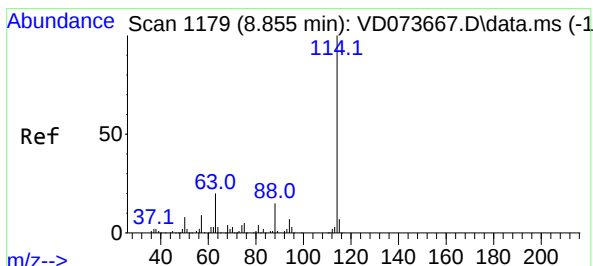
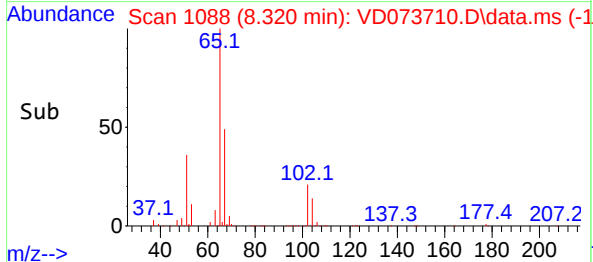
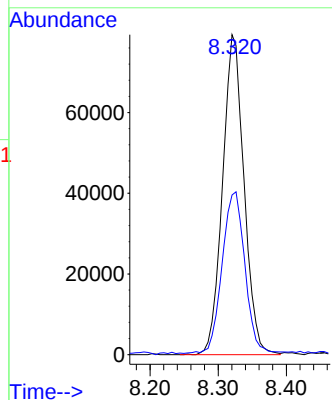
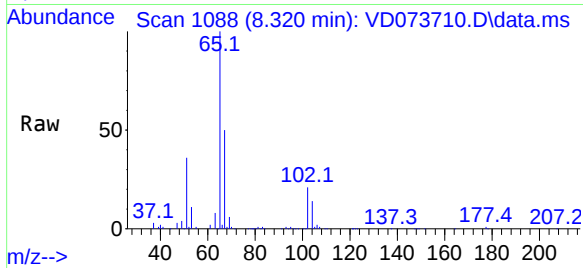
WC-14A-1B-GR

Tgt Ion: 65 Resp: 173593

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073710.D

Acq: 25 Jun 2022 15:31

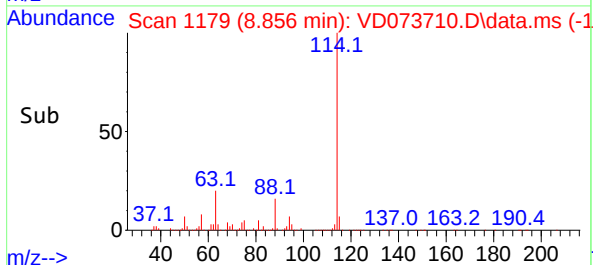
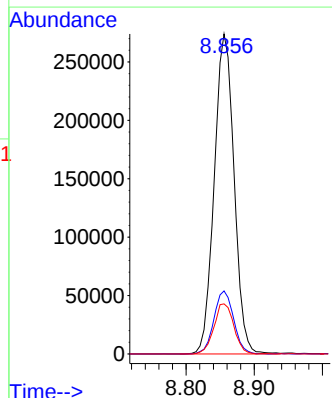
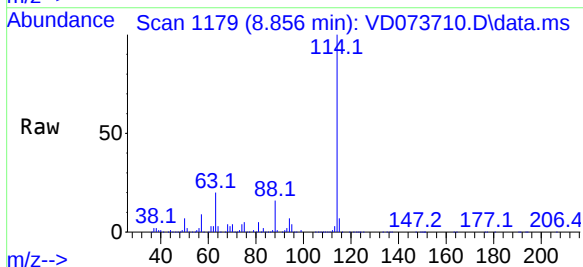
Tgt Ion: 114 Resp: 555412

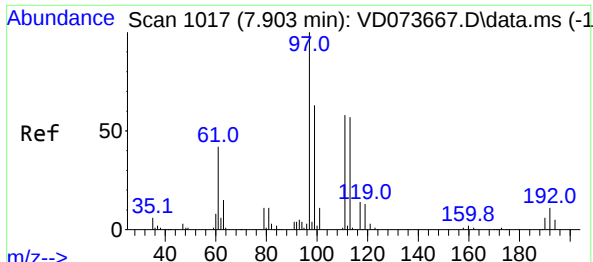
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 15.6 0.0 29.4

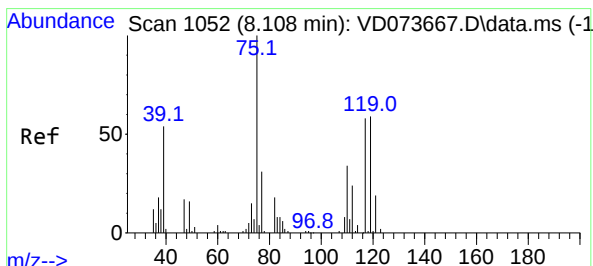
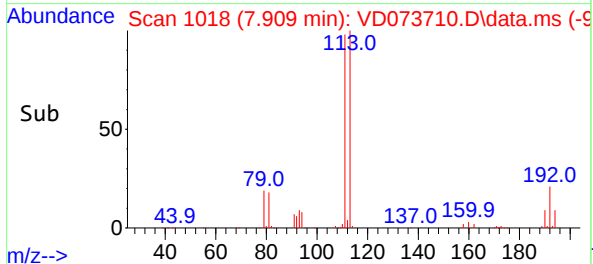
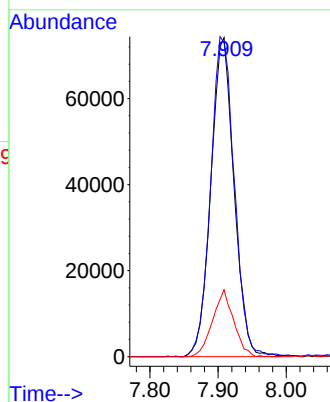
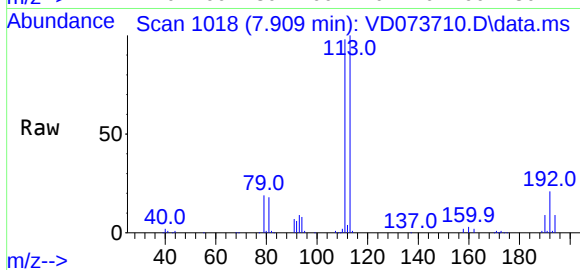




#35
Dibromofluoromethane
Concen: 40.426 ug/l
RT: 7.909 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

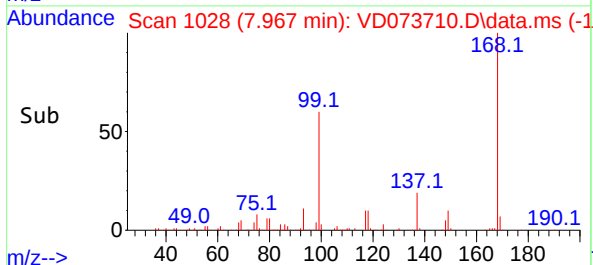
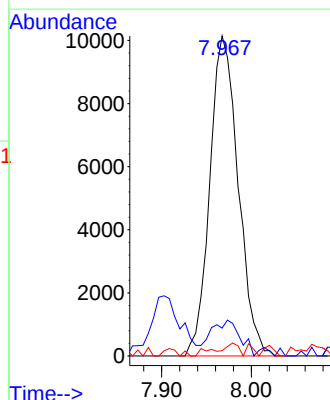
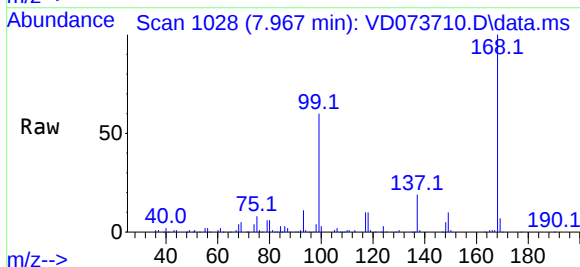
Instrument :
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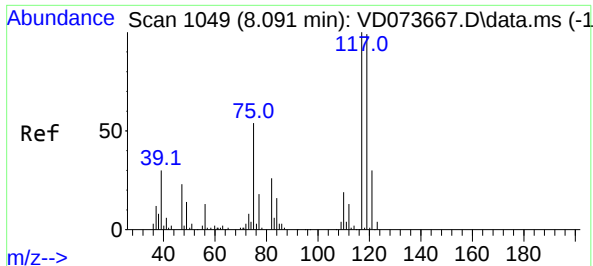
Tgt Ion:113 Resp: 174911
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 19.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.673 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 75 Resp: 22307
Ion Ratio Lower Upper
75 100
110 11.4 18.0 54.0#
77 1.9 25.6 38.4#

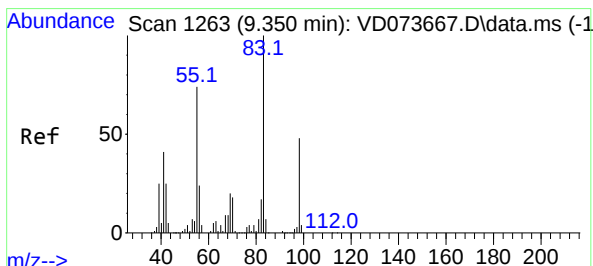
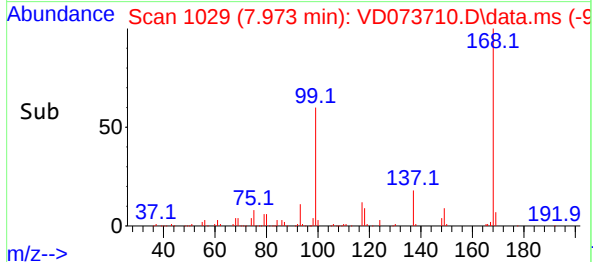
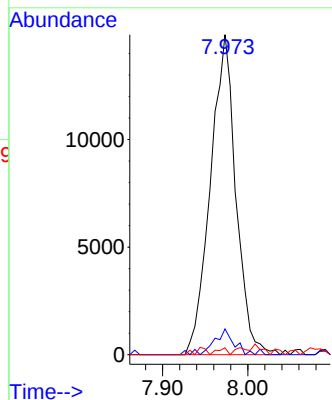
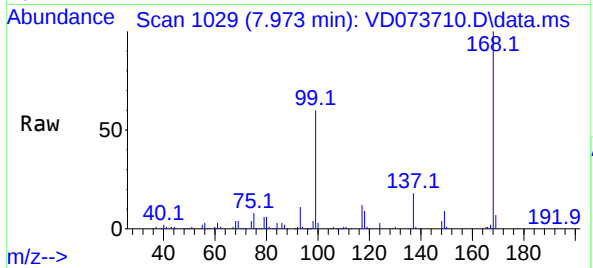




#38
Carbon Tetrachloride
Concen: 4.376 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

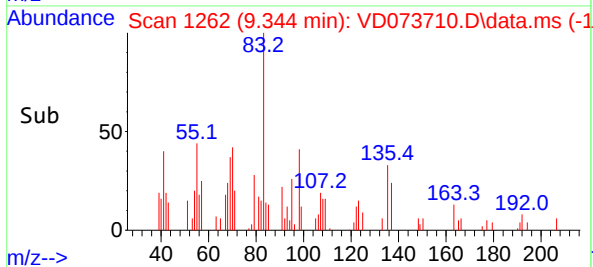
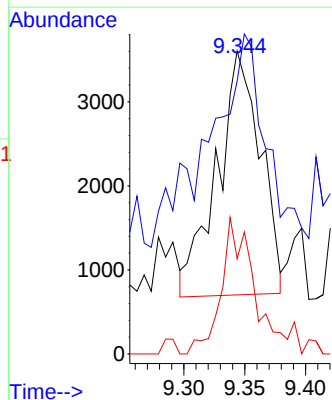
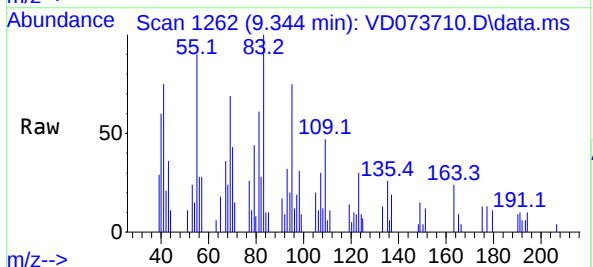
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

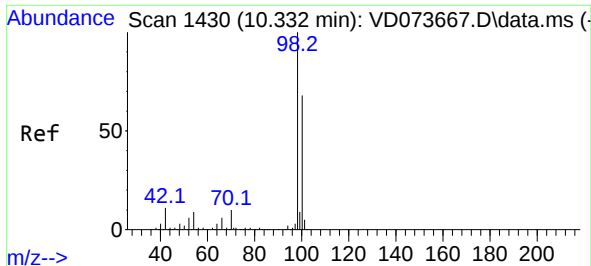
Tgt Ion:117 Resp: 30947
Ion Ratio Lower Upper
117 100
119 8.1 79.2 118.8#
121 2.1 23.8 35.8#



#39
Methylcyclohexane
Concen: 1.066 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 83 Resp: 7188
Ion Ratio Lower Upper
83 100
55 61.4 59.0 88.4
98 42.9 38.3 57.5

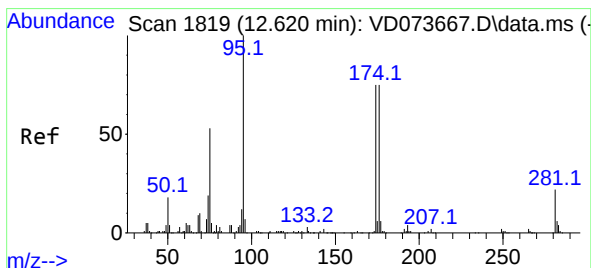
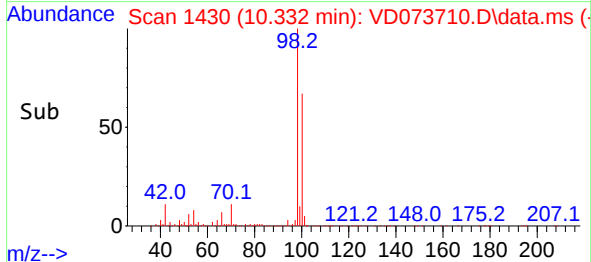
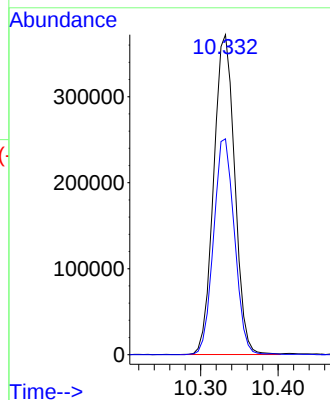
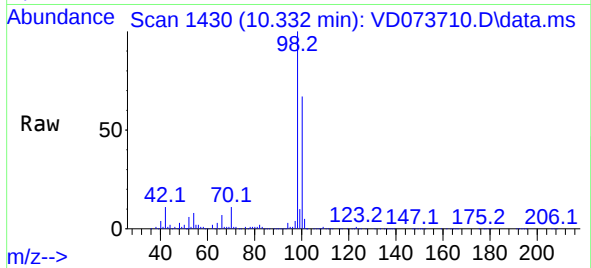




#50
Toluene-d8
Concen: 45.168 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

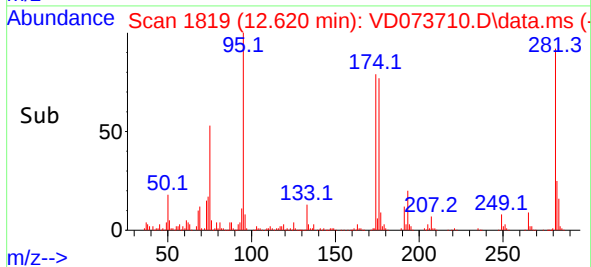
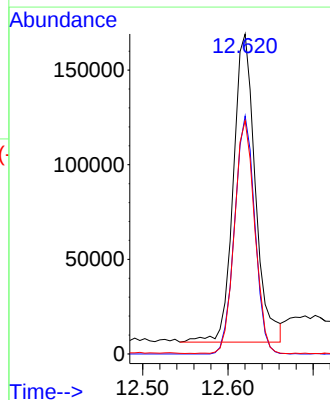
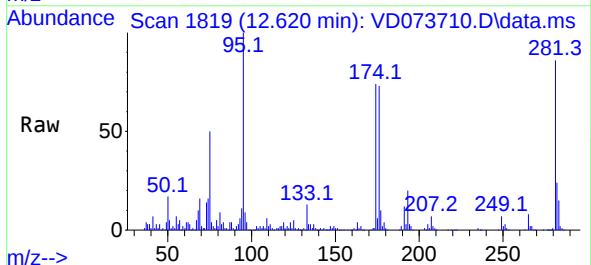
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

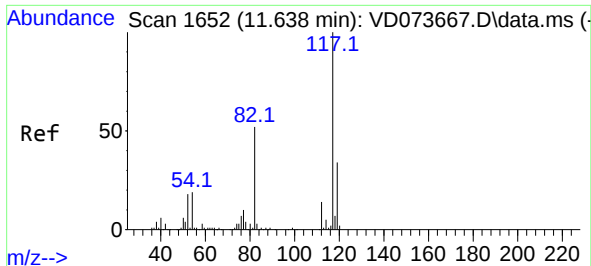
Tgt Ion: 98 Resp: 701681
Ion Ratio Lower Upper
98 100
100 67.1 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 50.145 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion: 95 Resp: 292174
Ion Ratio Lower Upper
95 100
174 70.8 0.0 158.4
176 69.6 0.0 154.8

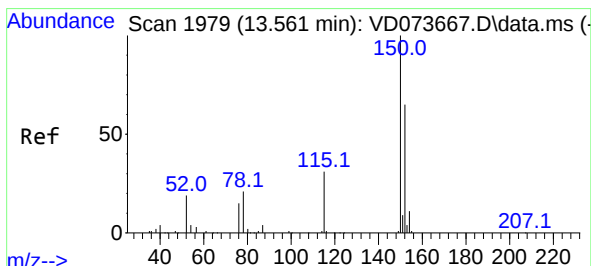
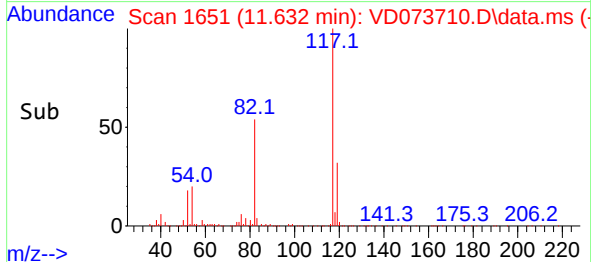
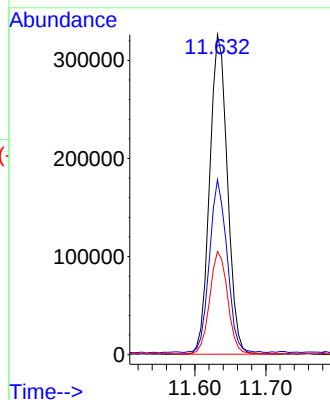
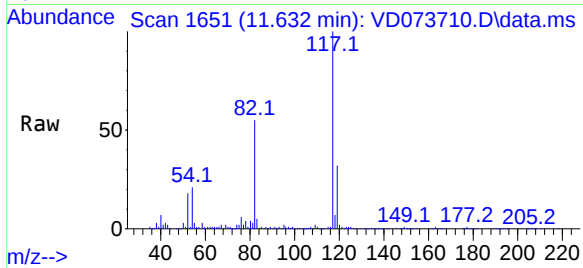




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

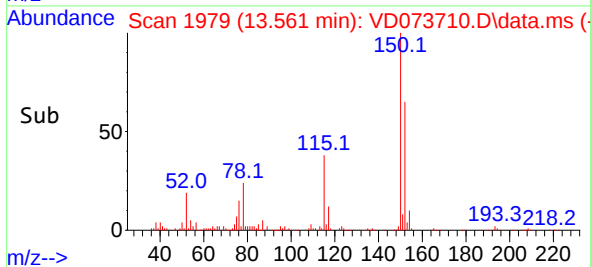
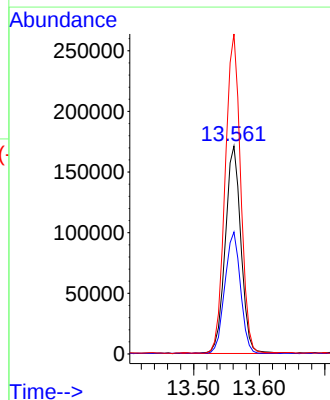
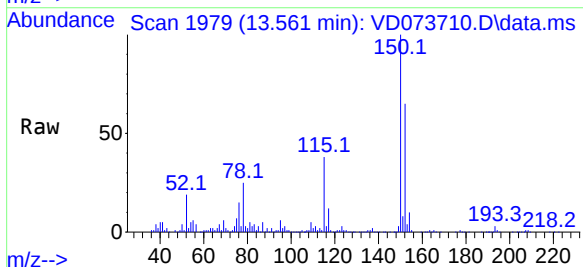
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

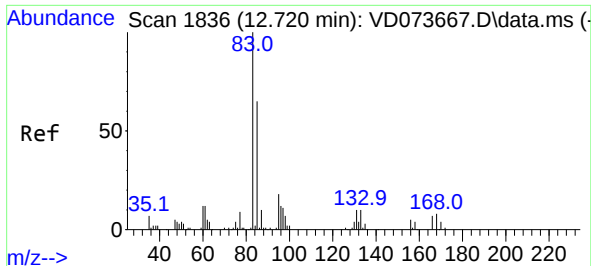
Tgt Ion:117 Resp: 565808
Ion Ratio Lower Upper
117 100
82 53.9 41.5 62.3
119 32.0 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

Tgt Ion:152 Resp: 283386
Ion Ratio Lower Upper
152 100
115 58.0 30.6 91.6
150 151.6 0.0 355.0

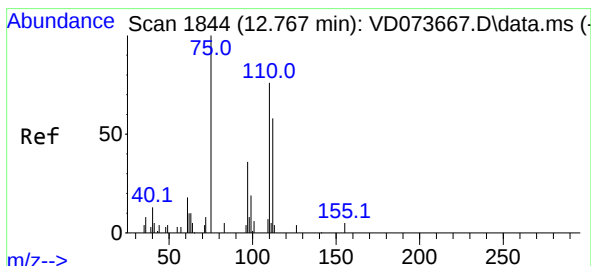
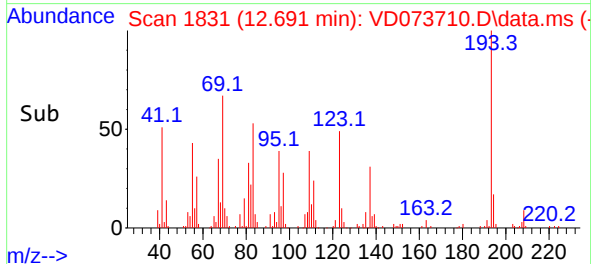
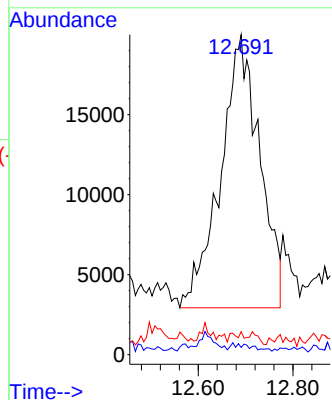
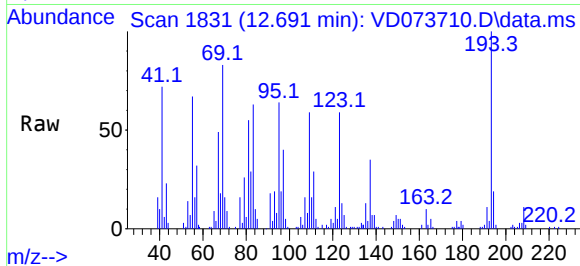




#75
1,1,2,2-Tetrachloroethane
Concen: 22.476 ug/l
RT: 12.691 min Scan# 1819
Delta R.T. -0.029 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

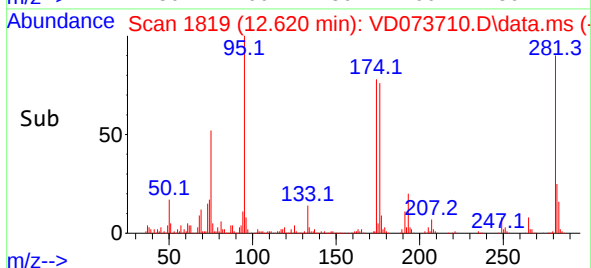
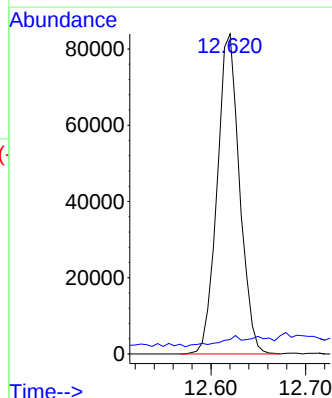
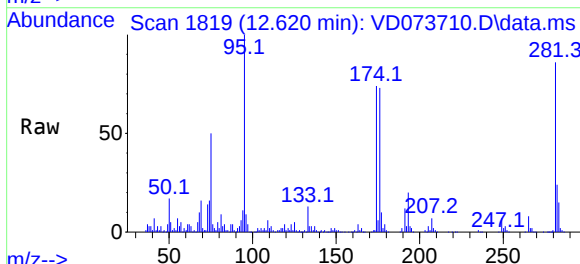
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1B-GR

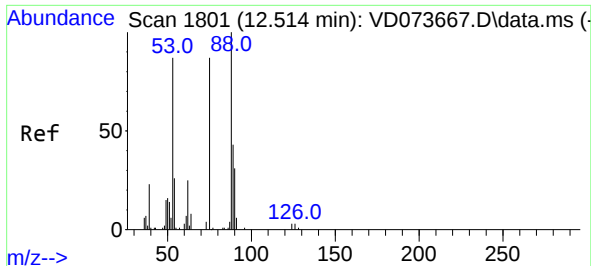
Tgt Ion: 83 Resp: 98122
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.7#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 50.079 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073710.D
Acq: 25 Jun 2022 15:31

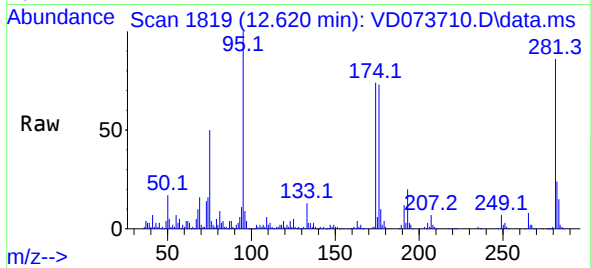
Tgt Ion: 75 Resp: 138108
Ion Ratio Lower Upper
75 100
77 3.8 195.3 586.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.241 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073710.D
 Acq: 25 Jun 2022 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1B-GR



Tgt Ion: 75 Resp: 138108
 Ion Ratio Lower Upper
 75 100
 53 1.9 77.0 115.6#
 89 2.3 37.8 56.8#

