

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073944.D
 Acq On : 16 Aug 2022 13:19
 Operator : JC\MD
 Sample : N4200-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-GW-1

Quant Time: Aug 17 01:13:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	650479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	951301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	925602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	497020	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	307084	48.469	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.940%
35) Dibromofluoromethane	7.951	113	300934	53.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.980%
50) Toluene-d8	10.380	98	1009868	46.348	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.700%
62) 4-Bromofluorobenzene	12.668	95	427617	59.135	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.260%

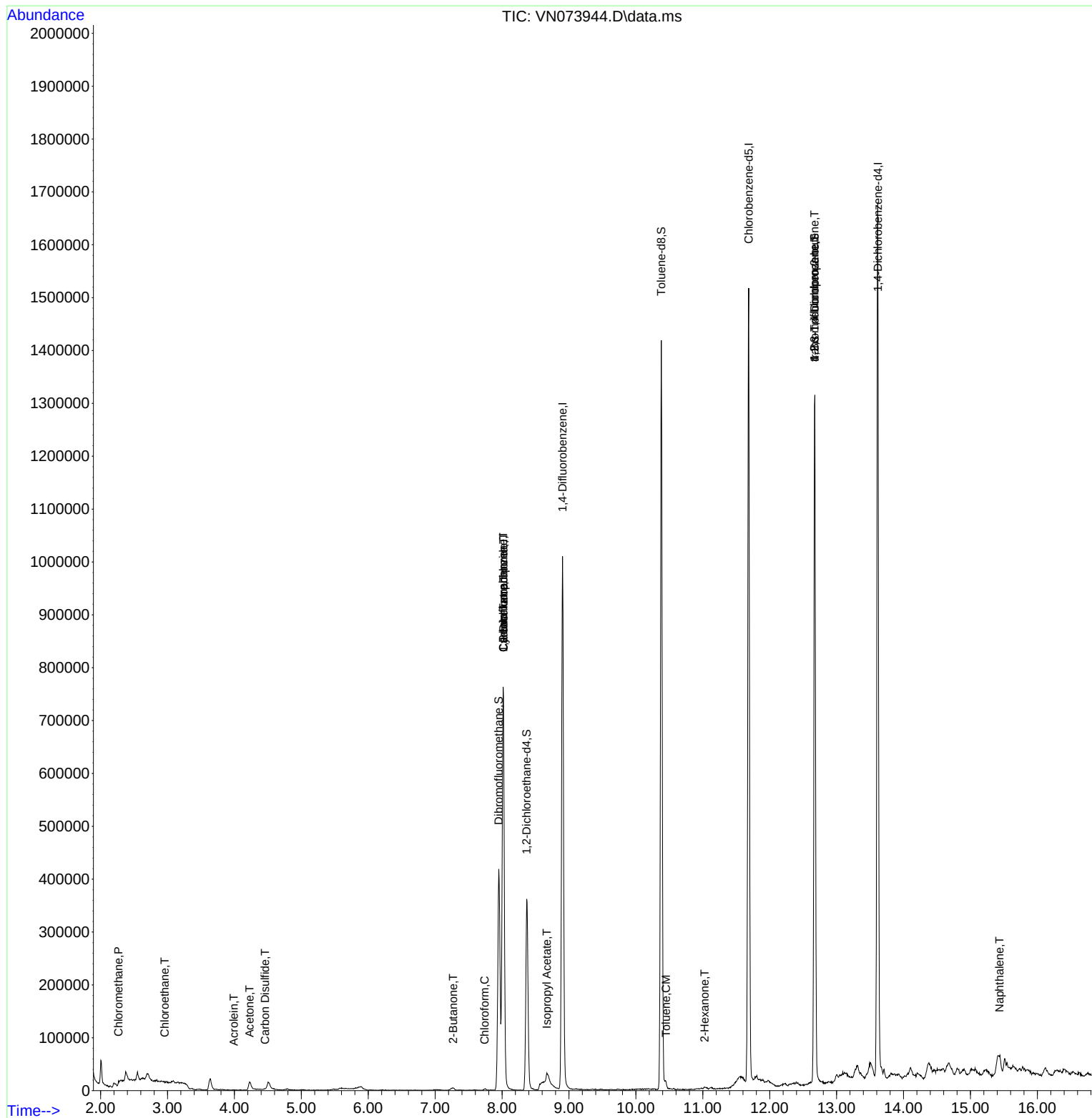
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.269	50	1708	0.298	ug/l	99
6) Chloroethane	2.957	64	1087	0.209	ug/l #	42
13) Acrolein	3.993	56	351	0.354	ug/l	86
16) Acetone	4.228	43	26887	8.995	ug/l	95
17) Carbon Disulfide	4.457	76	3014	0.247	ug/l #	75
18) Methyl Acetate	4.787	43	5087	Below Cal	#	84
25) 2-Butanone	7.269	43	7000	1.477	ug/l #	79
30) Chloroform	7.739	83	2707	0.241	ug/l	86
31) Cyclohexane	8.022	56	10416	1.179	ug/l #	18
36) 1,1-Dichloropropene	8.022	75	39825	5.097	ug/l #	50
38) Carbon Tetrachloride	8.022	117	58606	6.561	ug/l #	16
43) Isopropyl Acetate	8.669	43	73576	5.456	ug/l #	53
52) Toluene	10.451	92	4781	0.283	ug/l	88
59) 2-Hexanone	11.027	43	1793	0.256	ug/l	72
76) 1,2,3-Trichloropropane	12.668	75	213472	20.664	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	213472	58.773	ug/l #	11
95) Naphthalene	15.433	128	13131	0.377	ug/l #	47

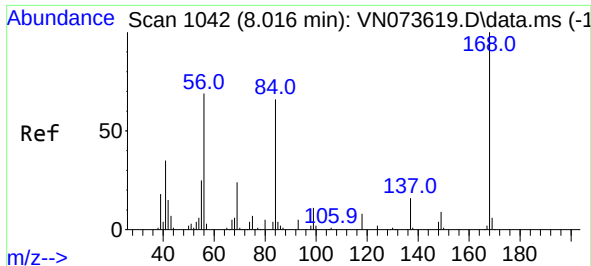
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Response via : Initial Calibration

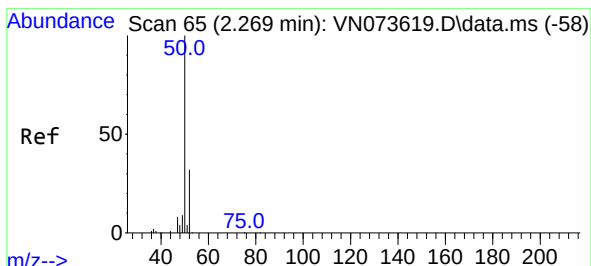
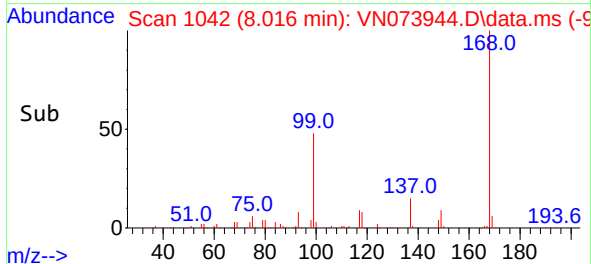
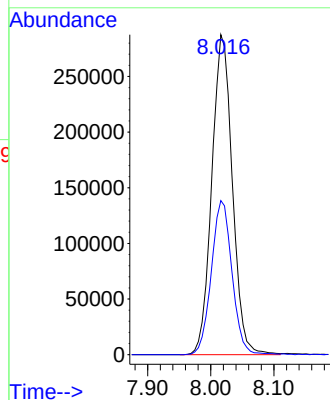
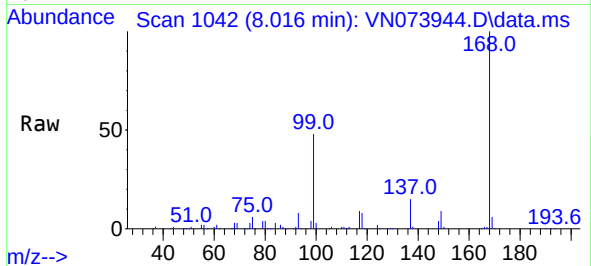




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

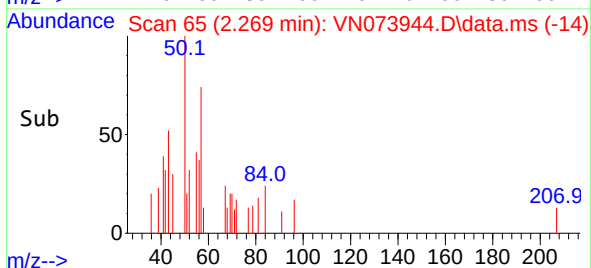
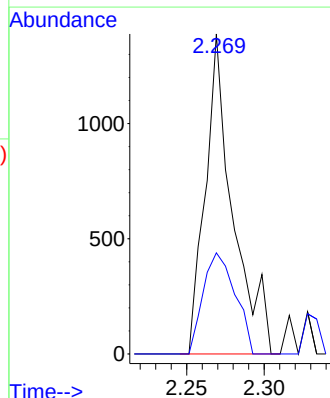
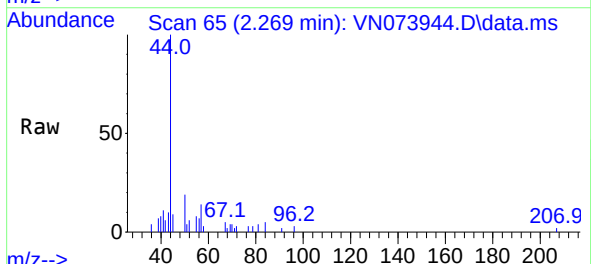
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

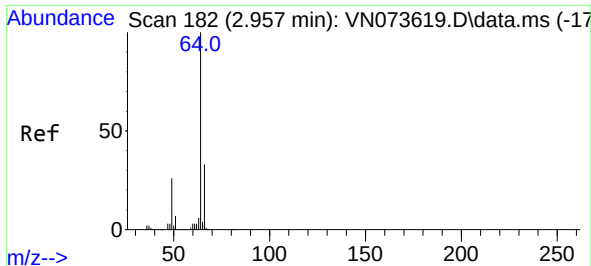
Tgt Ion:168 Resp: 650479
Ion Ratio Lower Upper
168 100
99 48.1 42.3 63.5



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 50 Resp: 1708
Ion Ratio Lower Upper
50 100
52 31.6 25.7 38.5

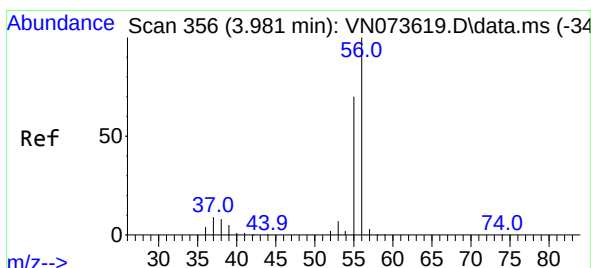
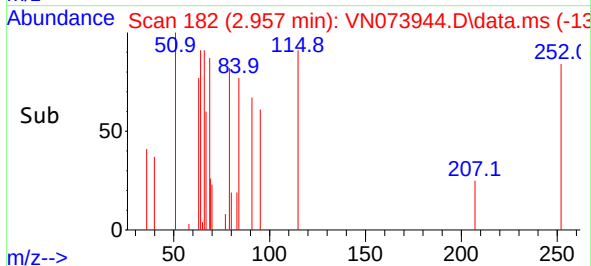
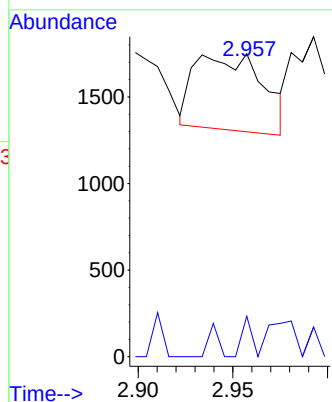
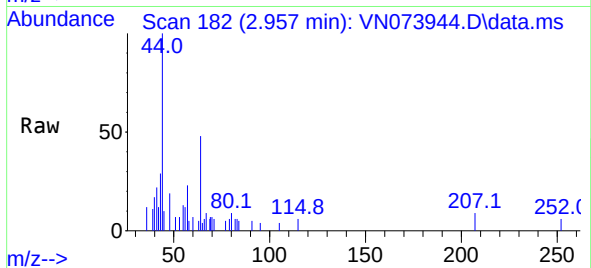




#6
Chloroethane
Concen: 0.209 ug/l
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

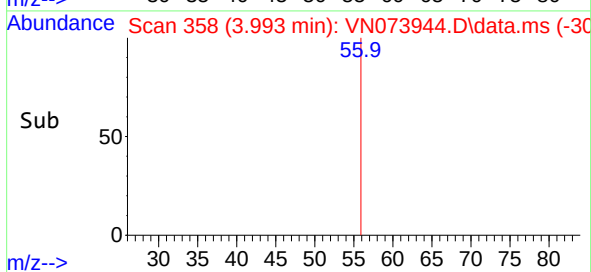
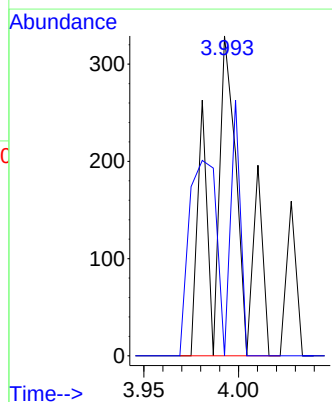
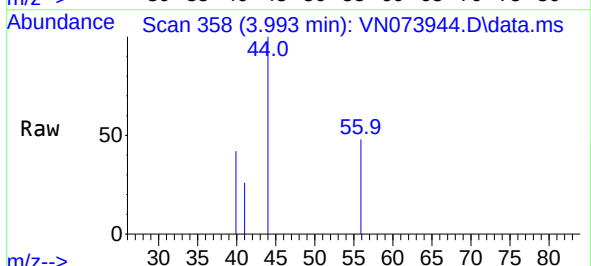
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

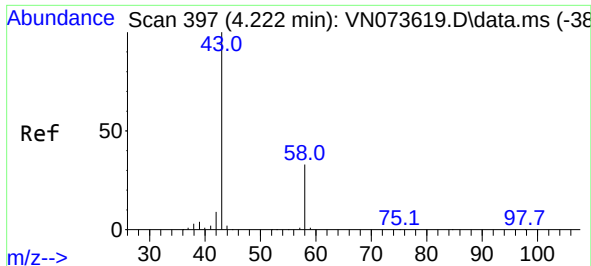
Tgt Ion: 64 Resp: 1087
Ion Ratio Lower Upper
64 100
66 65.4 26.2 39.4#



#13
Acrolein
Concen: 0.354 ug/l
RT: 3.993 min Scan# 358
Delta R.T. 0.012 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 57.3 54.8 82.2





#16

Acetone

Concen: 8.995 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN073944.D

Acq: 16 Aug 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

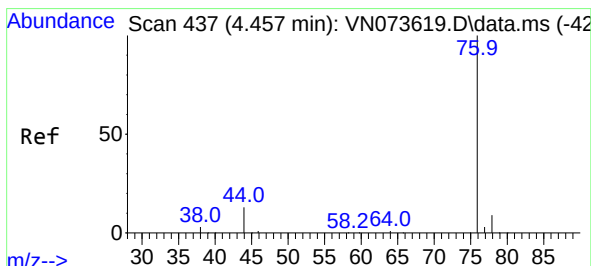
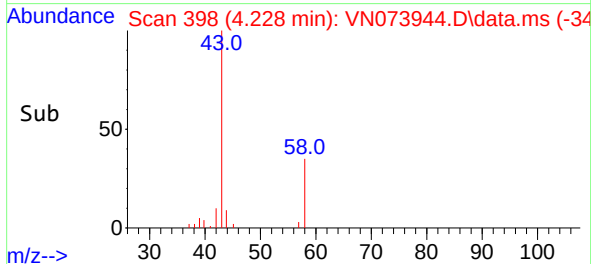
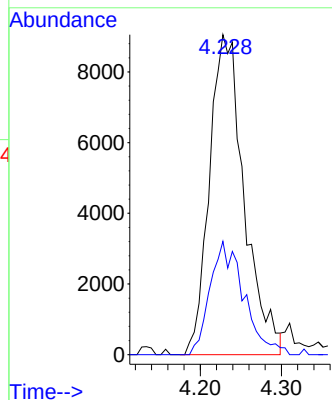
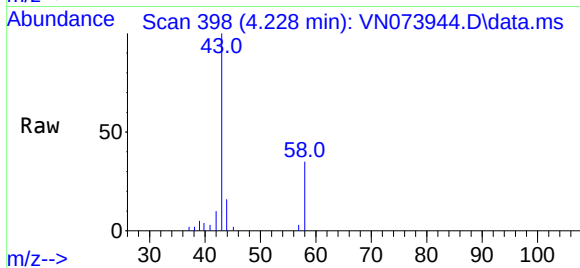
WC-GW-1

Tgt Ion: 43 Resp: 26887

Ion Ratio Lower Upper

43 100

58 35.4 26.0 39.0



#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.000 min

Lab File: VN073944.D

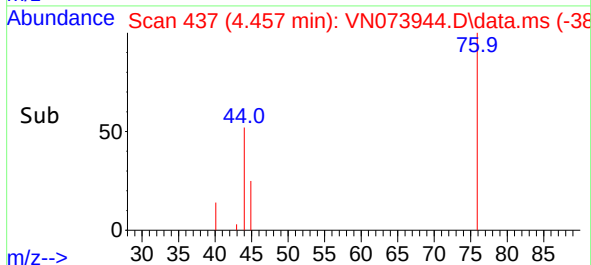
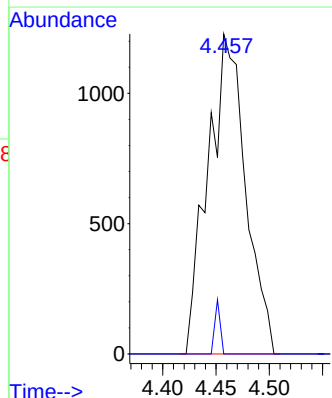
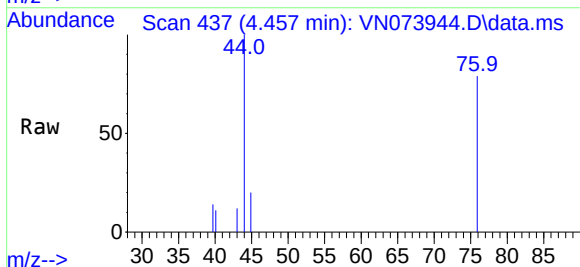
Acq: 16 Aug 2022 13:19

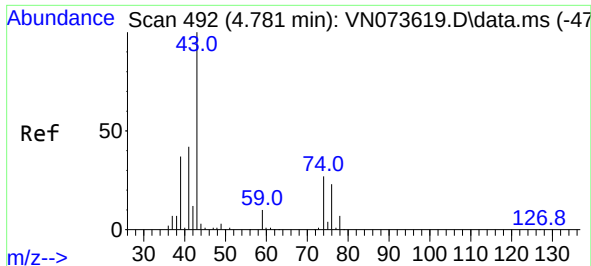
Tgt Ion: 76 Resp: 3014

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.787 min Scan# 492

Delta R.T. 0.006 min

Lab File: VN073944.D

Acq: 16 Aug 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

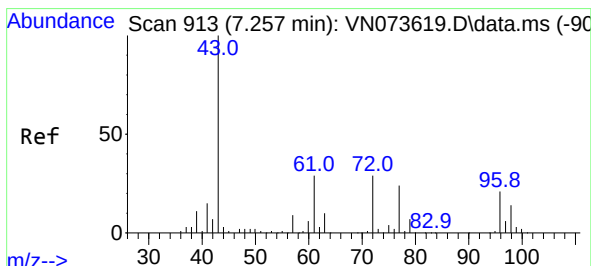
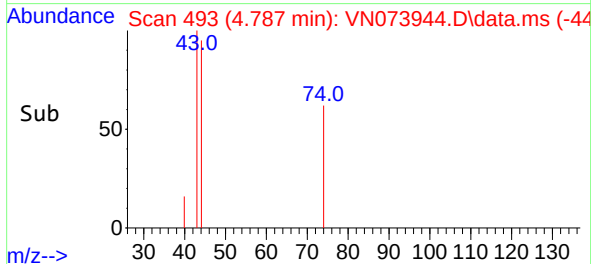
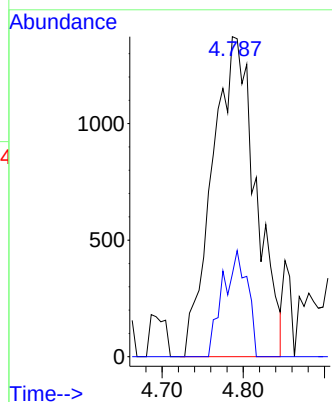
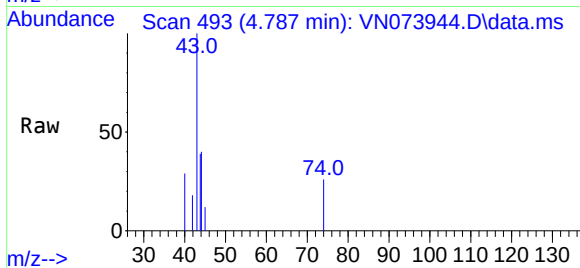
WC-GW-1

Tgt Ion: 43 Resp: 5087

Ion Ratio Lower Upper

43 100

74 18.7 21.6 32.4#



#25

2-Butanone

Concen: 1.477 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN073944.D

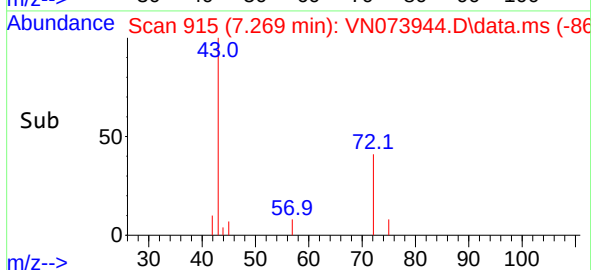
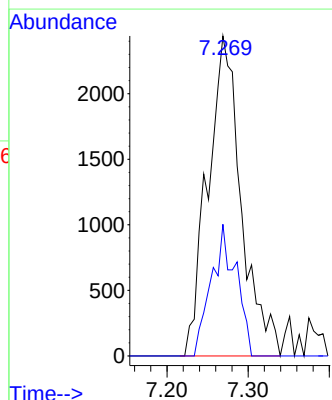
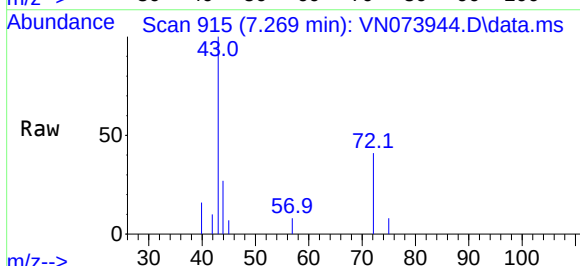
Acq: 16 Aug 2022 13:19

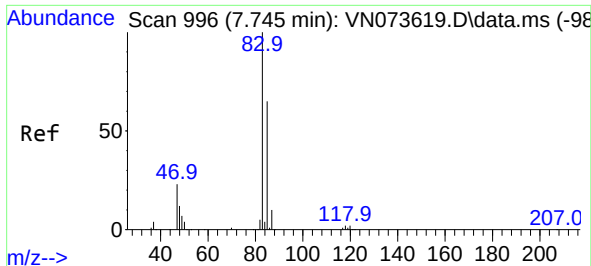
Tgt Ion: 43 Resp: 7000

Ion Ratio Lower Upper

43 100

72 41.1 23.7 35.5#

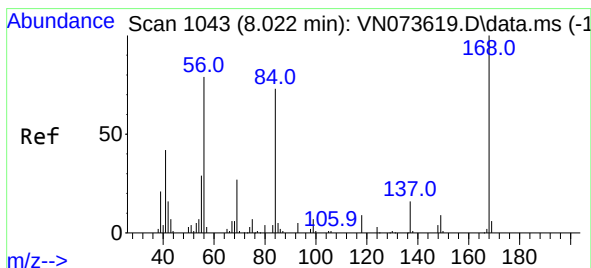
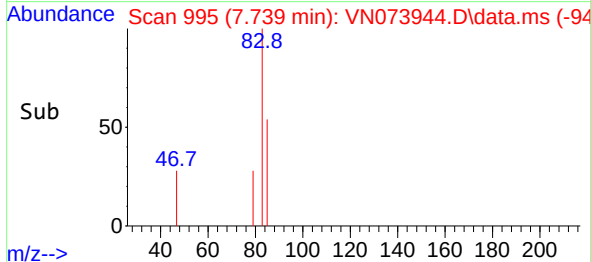
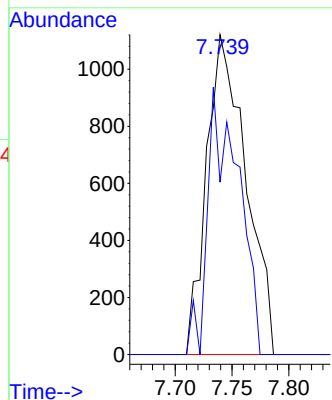
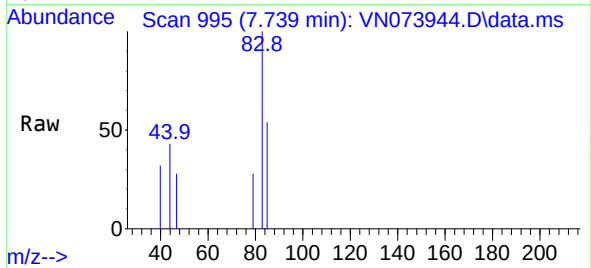




#30
Chloroform
Concen: 0.241 ug/l
RT: 7.739 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

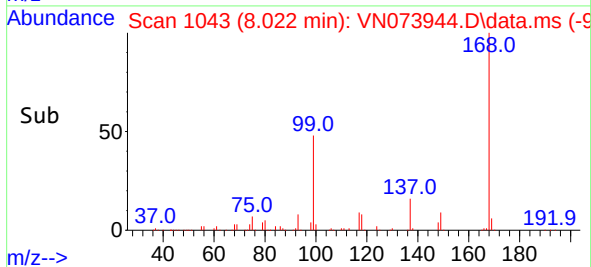
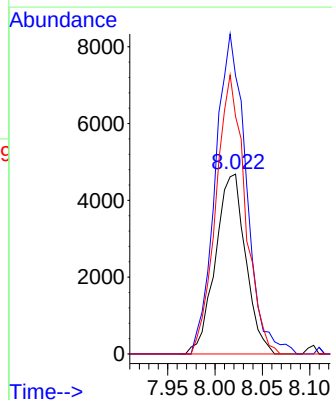
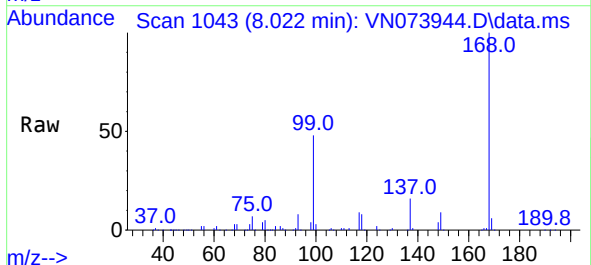
Instrument :
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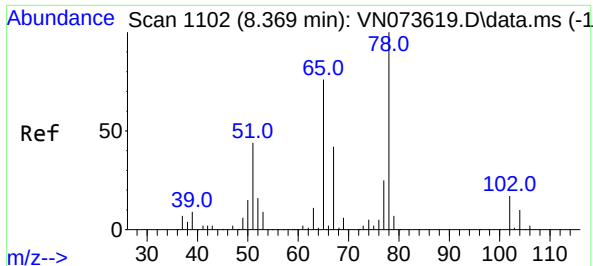
Tgt Ion: 83 Resp: 2707
Ion Ratio Lower Upper
83 100
85 53.9 51.8 77.8



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 56 Resp: 10416
Ion Ratio Lower Upper
56 100
69 154.7 27.8 41.8#
84 132.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.469 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073944.D

Acq: 16 Aug 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

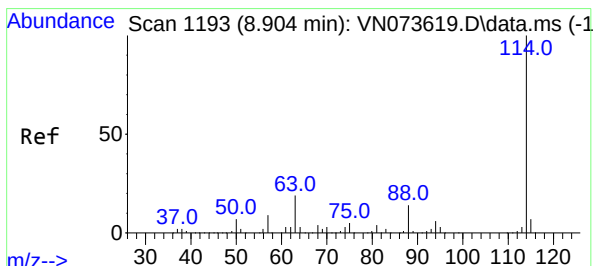
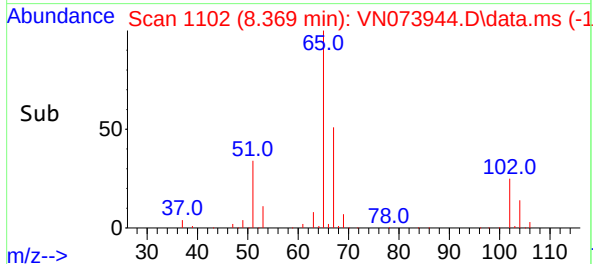
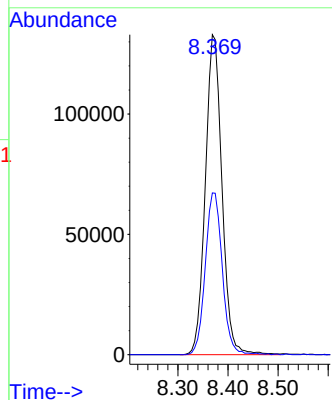
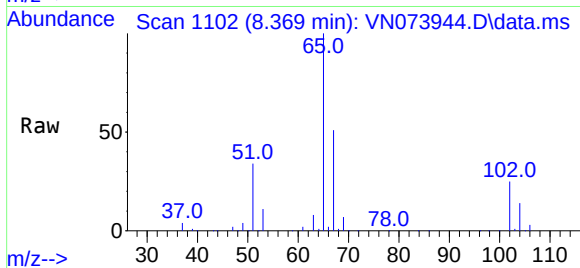
WC-GW-1

Tgt Ion: 65 Resp: 307084

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073944.D

Acq: 16 Aug 2022 13:19

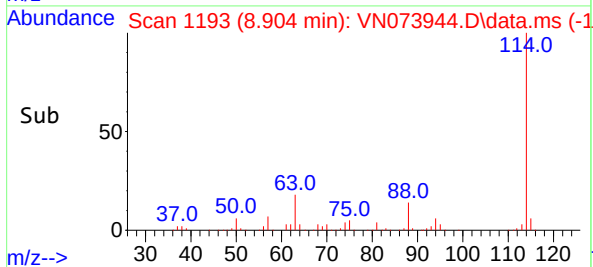
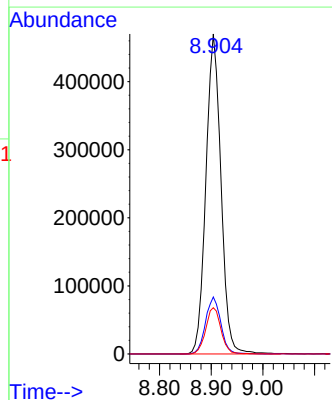
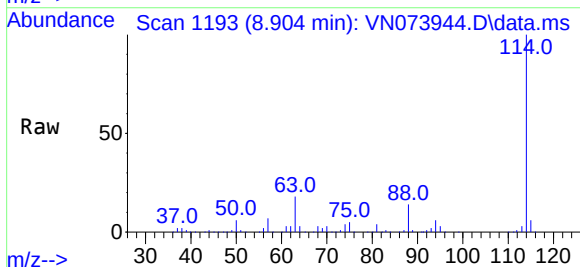
Tgt Ion: 114 Resp: 951301

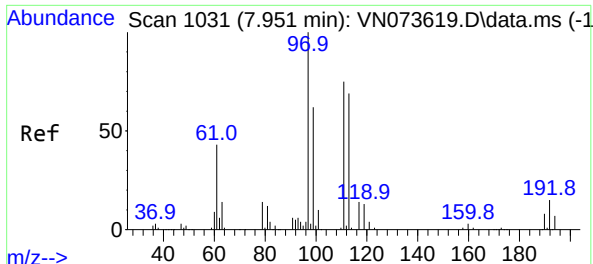
Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.0

88 14.4 0.0 32.6

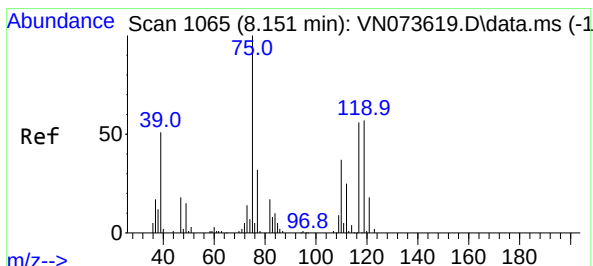
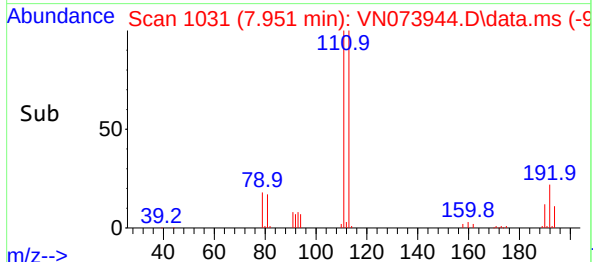
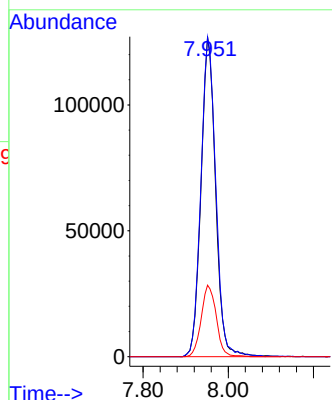
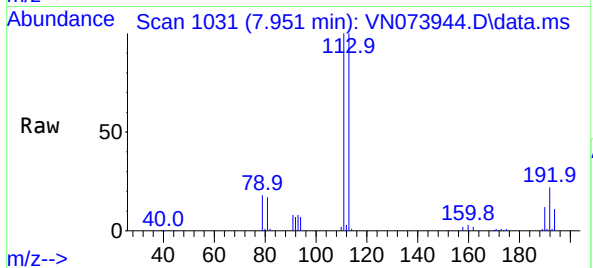




#35
Dibromofluoromethane
Concen: 53.491 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

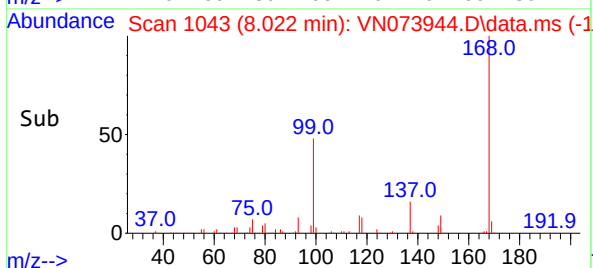
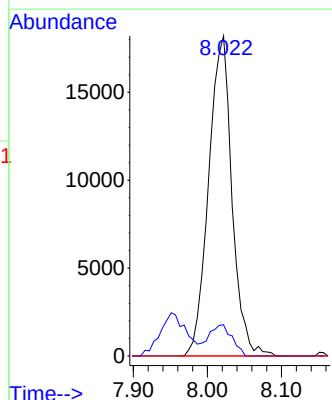
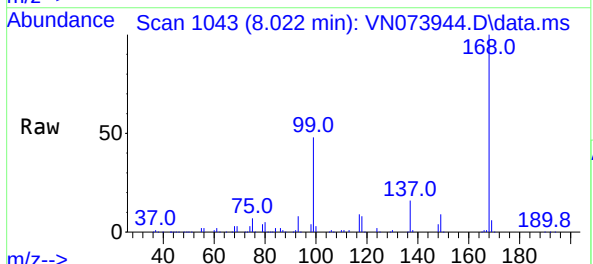
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

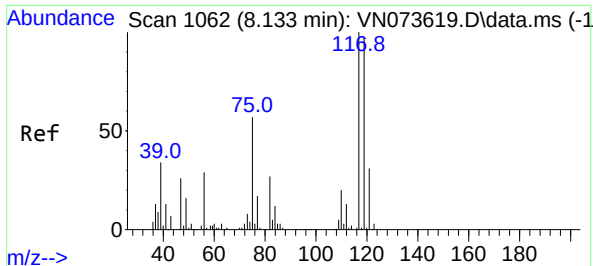
Tgt Ion:113 Resp: 300934
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 23.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 75 Resp: 39825
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 25.1 37.7#

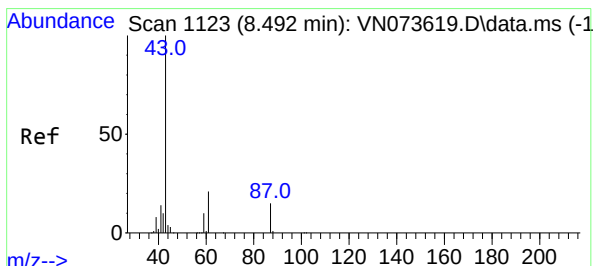
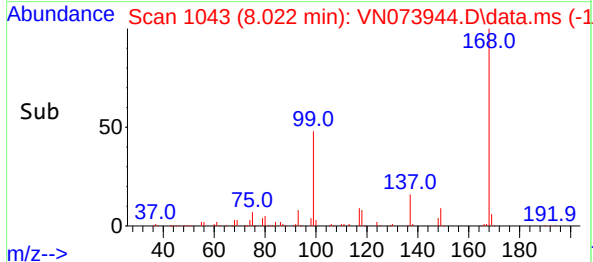
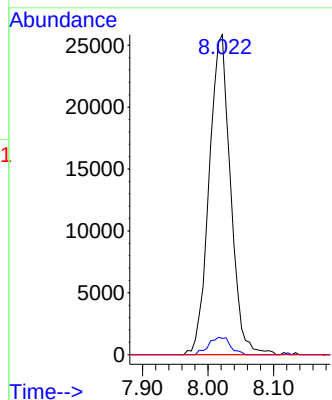
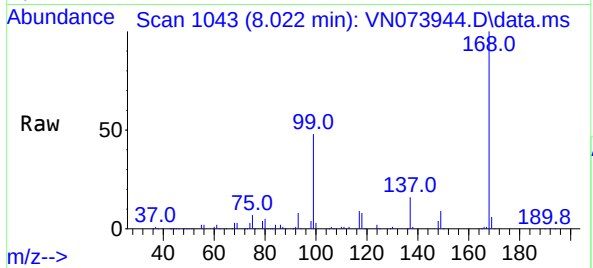




#38
Carbon Tetrachloride
Concen: 6.561 ug/l
RT: 8.022 min Scan# 1107
Delta R.T. -0.111 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

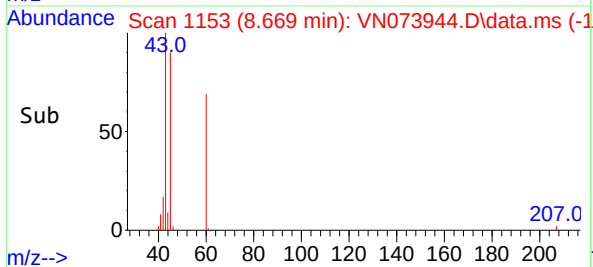
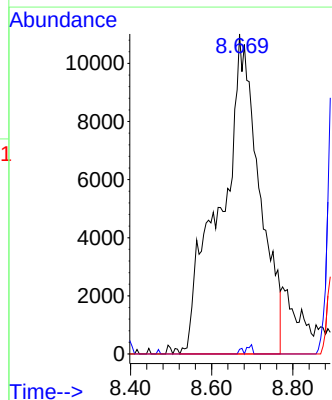
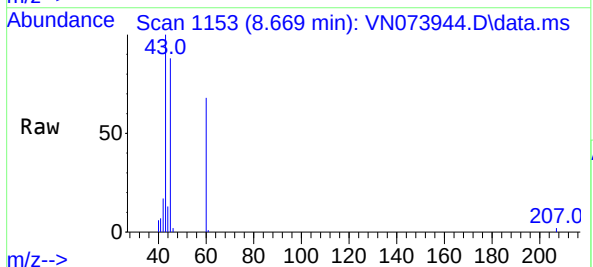
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

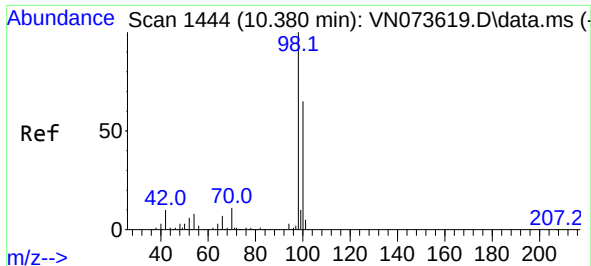
Tgt Ion:117 Resp: 58606
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.456 ug/l
RT: 8.669 min Scan# 1153
Delta R.T. 0.177 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 43 Resp: 73576
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

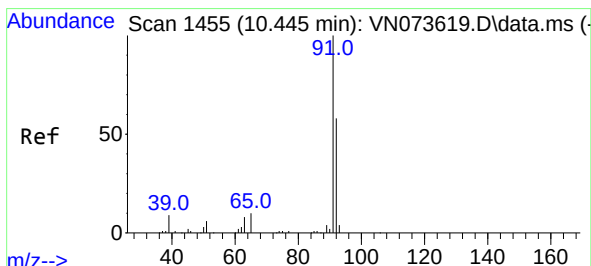
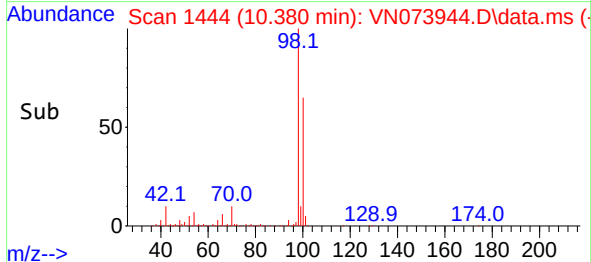
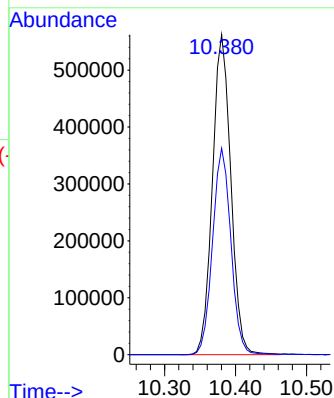
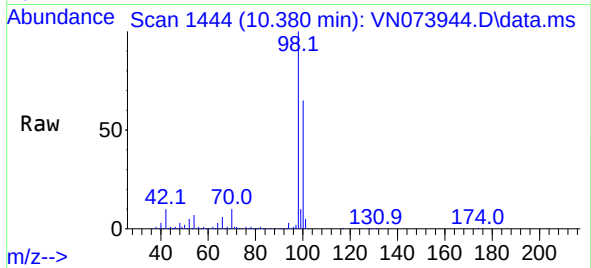




#50
Toluene-d8
Concen: 46.348 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

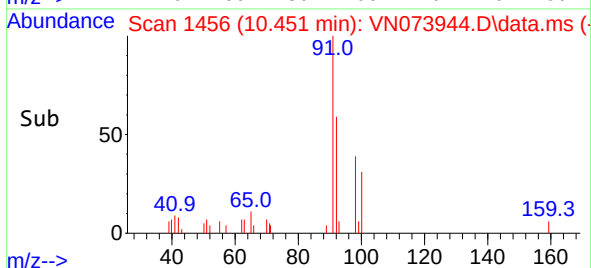
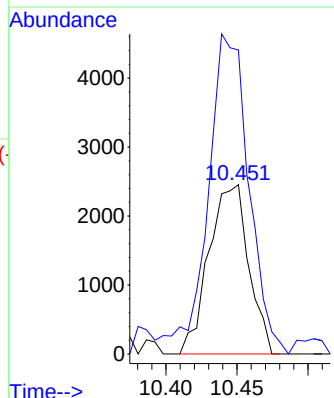
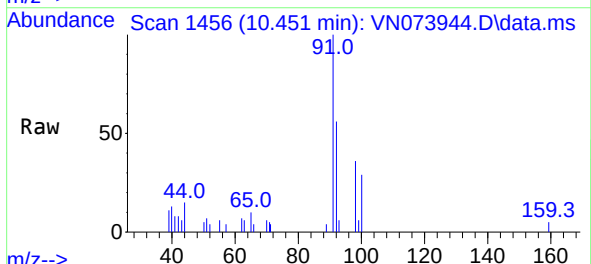
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

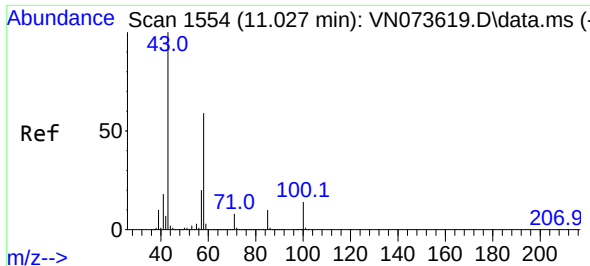
Tgt Ion: 98 Resp: 1009868
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#52
Toluene
Concen: 0.283 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 92 Resp: 4781
Ion Ratio Lower Upper
92 100
91 190.2 138.6 207.8

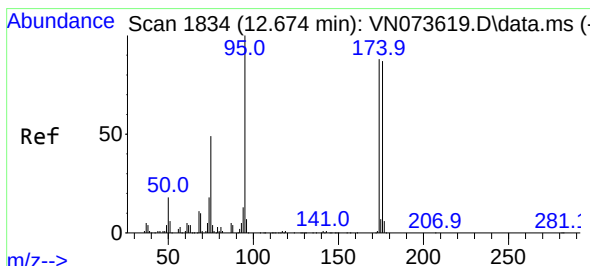
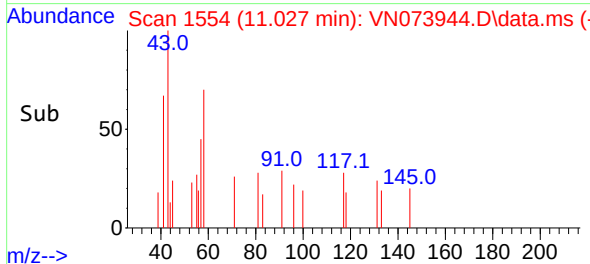
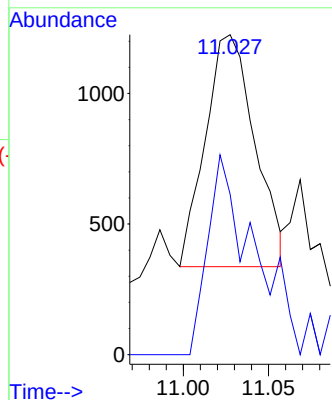
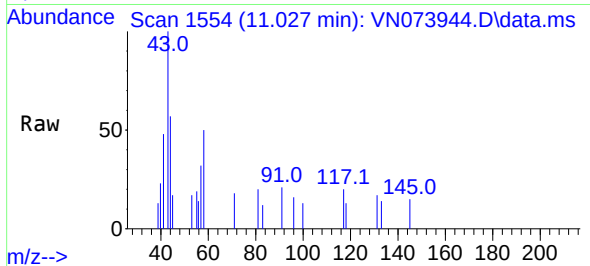




#59
2-Hexanone
Concen: 0.256 ug/l
RT: 11.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

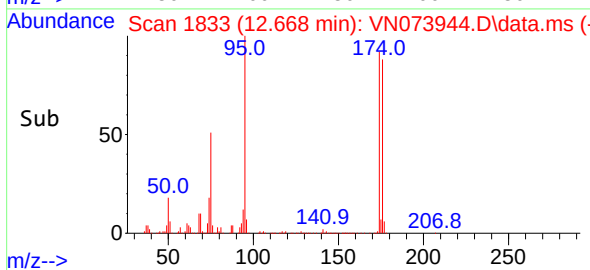
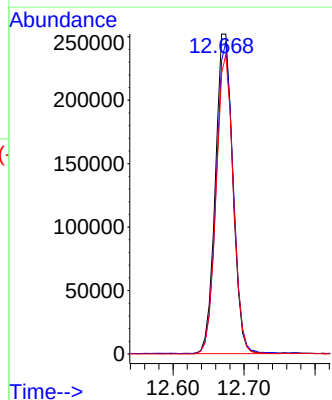
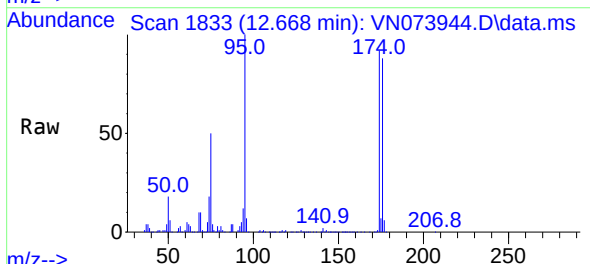
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

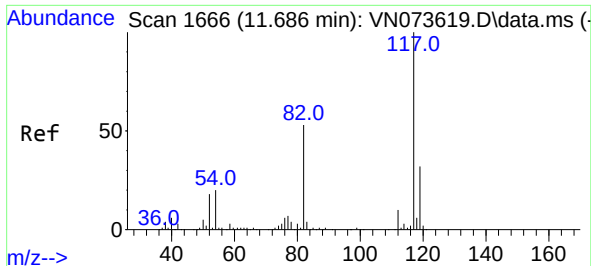
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
58 80.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 59.135 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 95 Resp: 427617
Ion Ratio Lower Upper
95 100
174 95.3 0.0 167.6
176 92.2 0.0 163.4

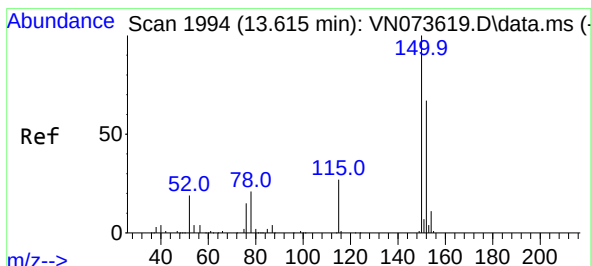
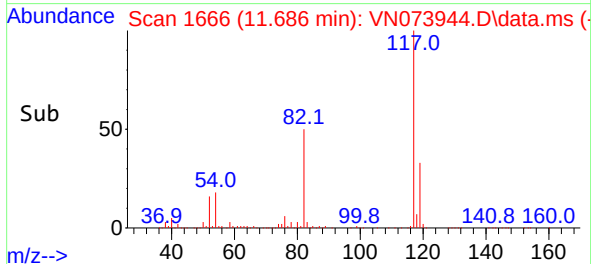
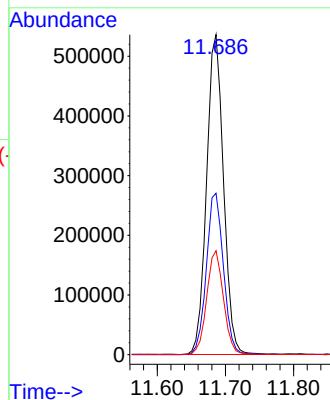
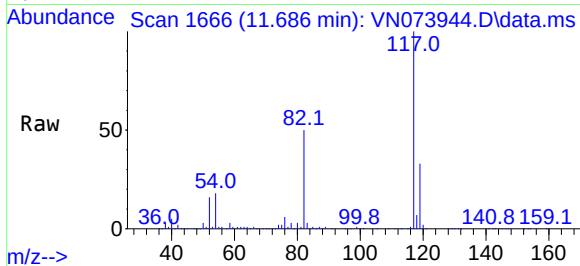




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

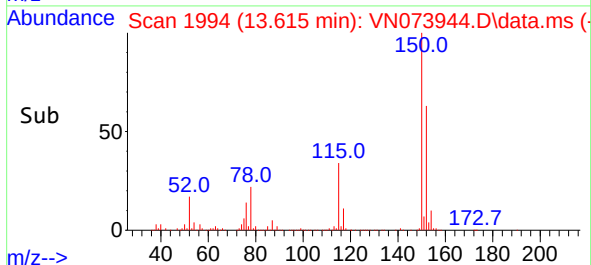
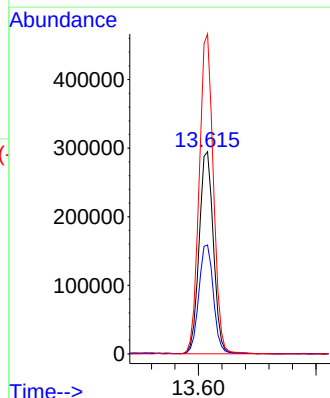
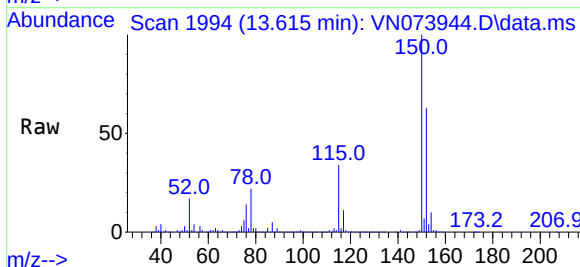
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

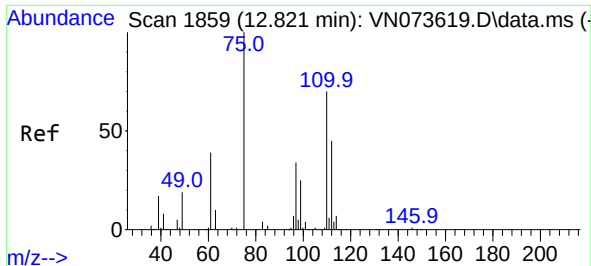
Tgt Ion:117 Resp: 925602
Ion Ratio Lower Upper
117 100
82 50.5 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion:152 Resp: 497020
Ion Ratio Lower Upper
152 100
115 55.3 28.9 86.7
150 156.9 0.0 356.2

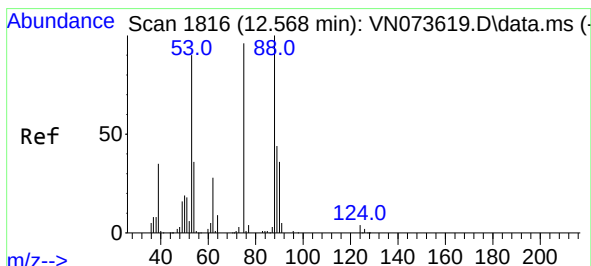
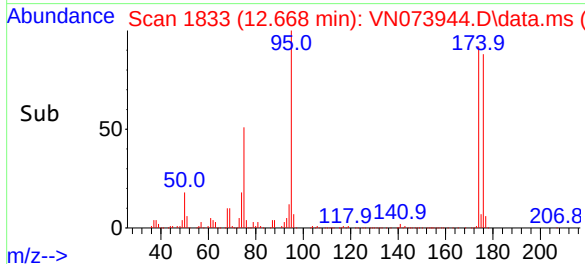
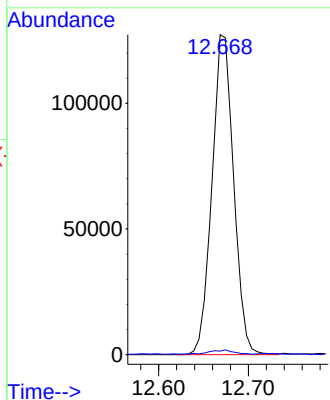
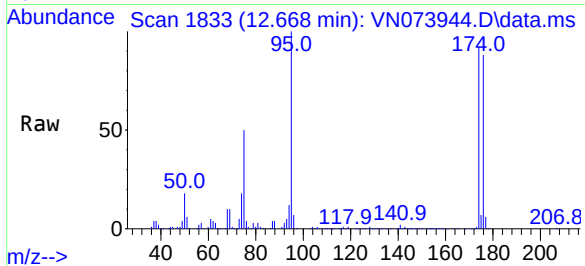




#76
1,2,3-Trichloropropane
Concen: 20.664 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

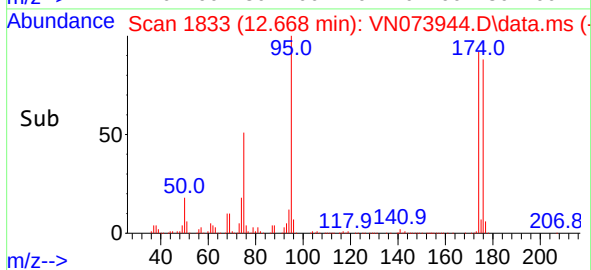
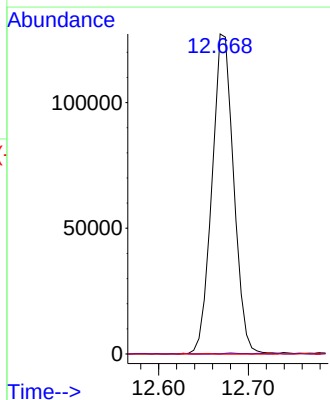
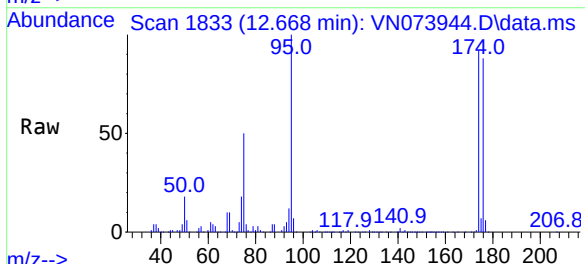
Instrument :
MSVOA_N
ClientSampleId :
WC-GW-1

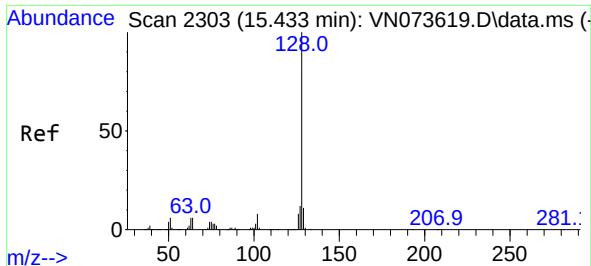
Tgt Ion: 75 Resp: 213472
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.773 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073944.D
Acq: 16 Aug 2022 13:19

Tgt Ion: 75 Resp: 213472
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.377 ug/l

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073944.D

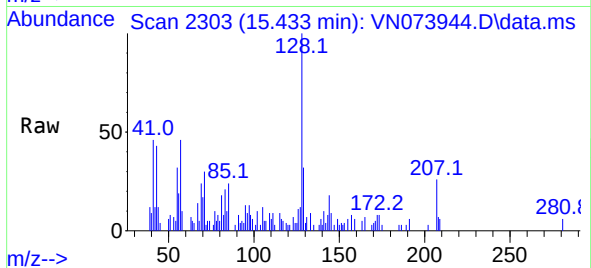
Acq: 16 Aug 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

WC-GW-1



Tgt Ion:128 Resp: 13131

Ion Ratio Lower Upper

128 100

127 26.9 10.3 15.5#

129 38.5 8.6 13.0#

