

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072514.D
 Acq On : 16 May 2022 20:33
 Operator : JC\MD
 Sample : N2804-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-2

Quant Time: May 17 07:20:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 Response via : Initial Calibration

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

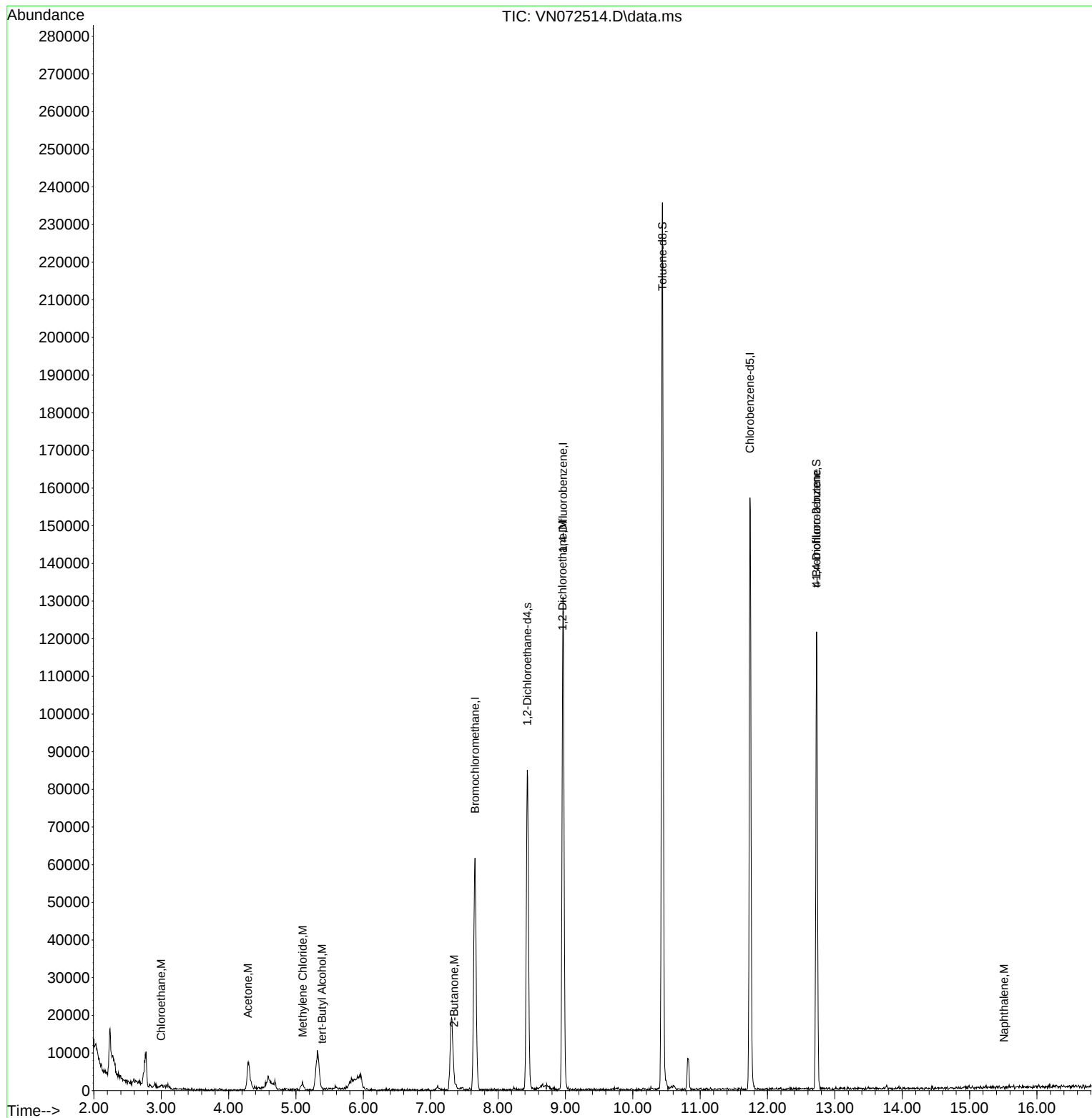
Internal Standards						
1) Bromochloromethane	7.657	128	23136	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	107822	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	90985	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	78533	30.166	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.567%
60) 4-Bromofluorobenzene	12.727	95	39290	22.116	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.733%
63) Toluene-d8	10.439	98	156848	31.580	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.267%
Target Compounds						
					Qvalue	
6) Chloroethane	2.998	64	529	0.553	ug/l #	44
15) Acetone	4.287	58	3520	13.374	ug/l	92
18) Methylene Chloride	5.098	84	864	0.496	ug/l #	60
23) tert-Butyl Alcohol	5.387	59	336	0.763	ug/l #	100
30) 2-Butanone	7.345	43	2762	2.222	ug/l #	66
36) 1,2-Dichloroethane	8.957	62	4530	1.594	ug/l #	77
77) t-1,4-Dichloro-2-butene	12.727	75	22901	35.197	ug/l #	8
91) Naphthalene	15.509	128	122	7.787	ug/l #	68

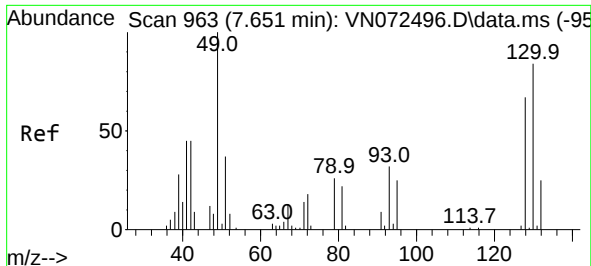
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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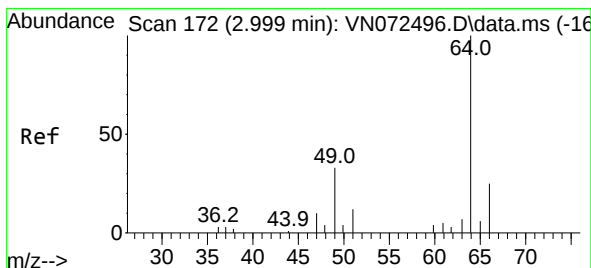
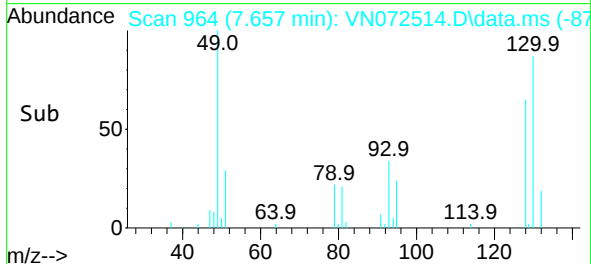
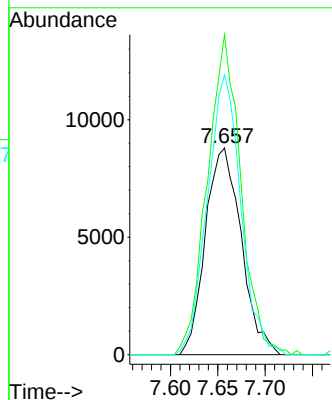
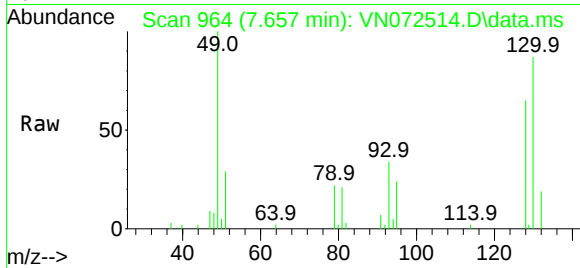




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072514.D
Acq: 16 May 2022 20:33

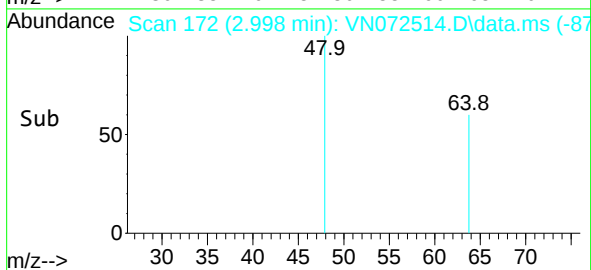
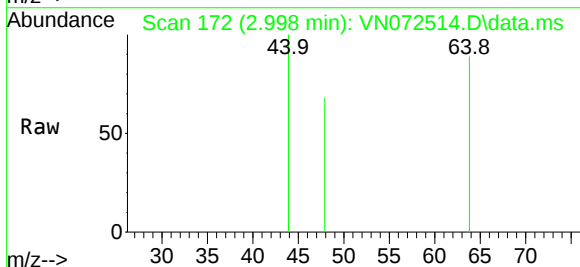
Instrument :
MSVOA_N
ClientSampleId :
FETWP-2

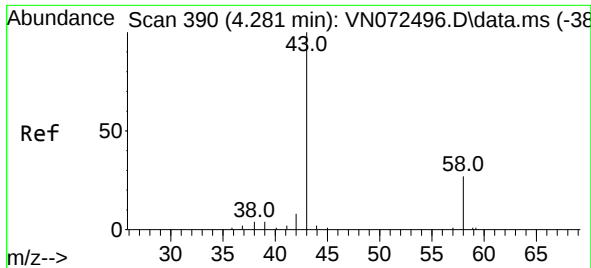
Tgt Ion:128 Resp: 23136
Ion Ratio Lower Upper
128 100
49 144.5 0.0 392.3
130 126.4 0.0 320.2



#6
Chloroethane
Concen: 0.553 ug/l
RT: 2.998 min Scan# 172
Delta R.T. -0.000 min
Lab File: VN072514.D
Acq: 16 May 2022 20:33

Tgt Ion: 64 Resp: 529
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#15

Acetone

Concen: 13.374 ug/l

RT: 4.287 min Scan# 390

Delta R.T. 0.006 min

Lab File: VN072514.D

Acq: 16 May 2022 20:33

Instrument :

MSVOA_N

ClientSampleId :

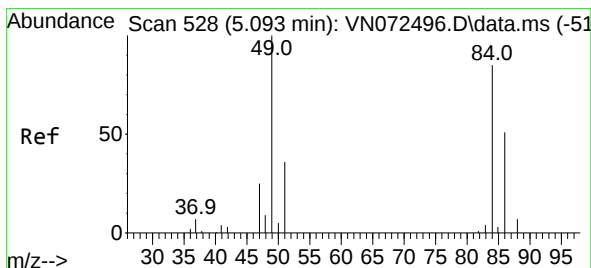
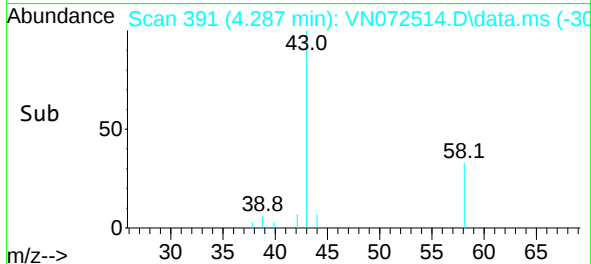
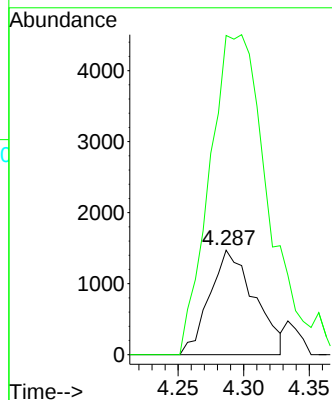
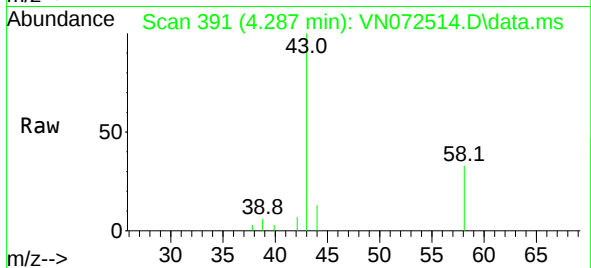
FETWP-2

Tgt Ion: 58 Resp: 3520

Ion Ratio Lower Upper

58 100

43 305.3 256.6 384.8



#18

Methylene Chloride

Concen: 0.496 ug/l

RT: 5.098 min Scan# 529

Delta R.T. 0.006 min

Lab File: VN072514.D

Acq: 16 May 2022 20:33

Tgt Ion: 84 Resp: 864

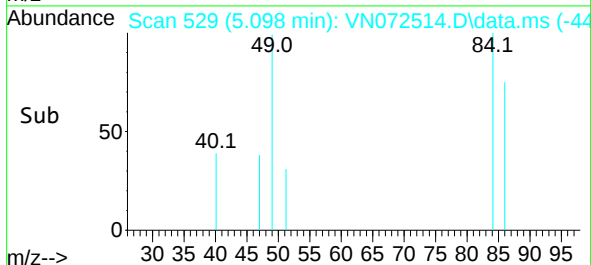
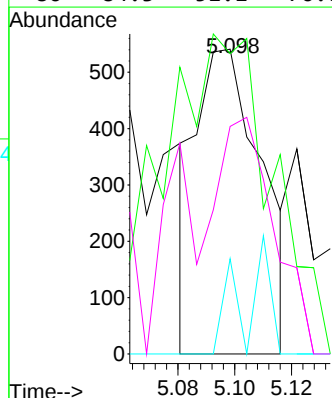
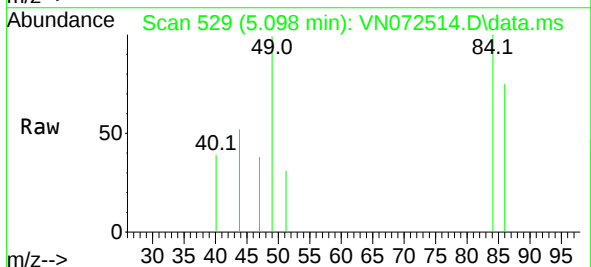
Ion Ratio Lower Upper

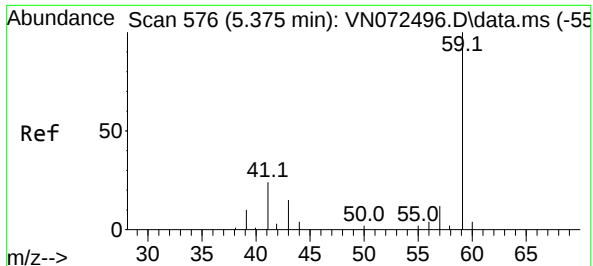
84 100

49 62.6 91.4 137.0#

51 59.1 29.4 44.0#

86 84.3 51.1 76.7#





#23

tert-Butyl Alcohol

Concen: 0.763 ug/l

RT: 5.387 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN072514.D

Acq: 16 May 2022 20:33

Instrument :

MSVOA_N

ClientSampleId :

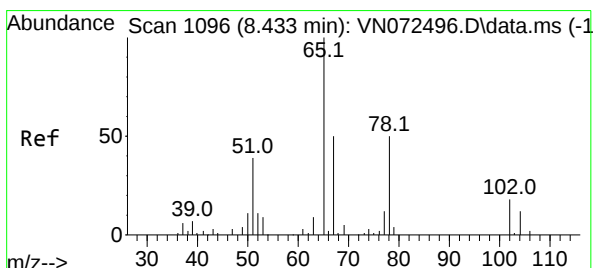
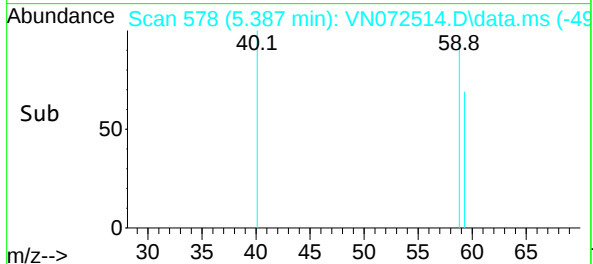
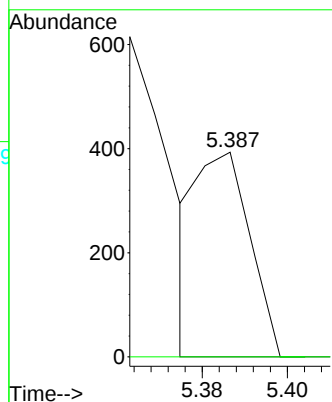
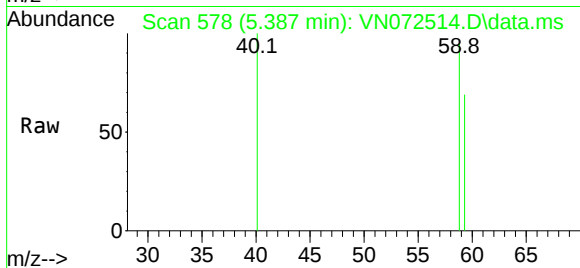
FETWP-2

Tgt Ion: 59 Resp: 336

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 30.166 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072514.D

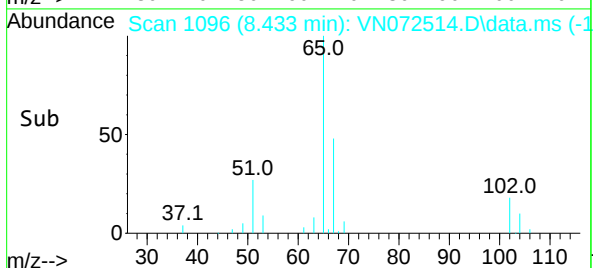
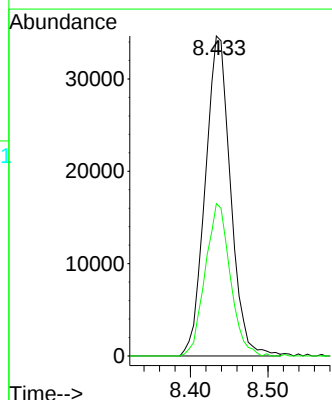
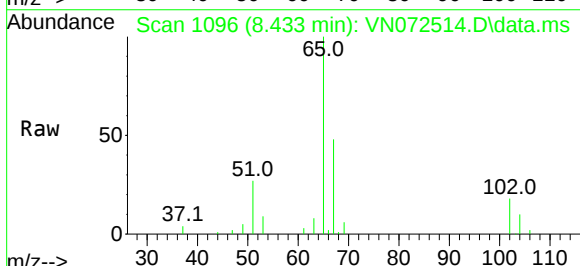
Acq: 16 May 2022 20:33

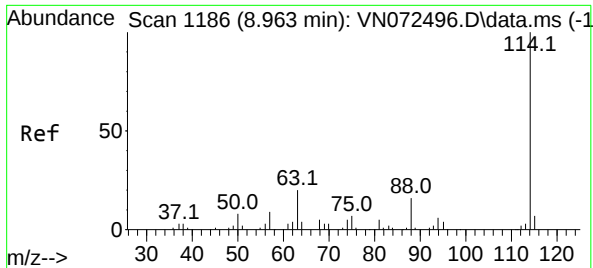
Tgt Ion: 65 Resp: 78533

Ion Ratio Lower Upper

65 100

67 47.0 40.2 60.2

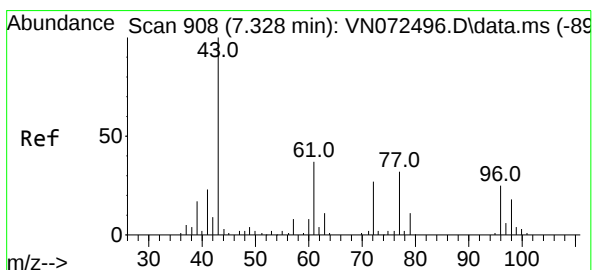
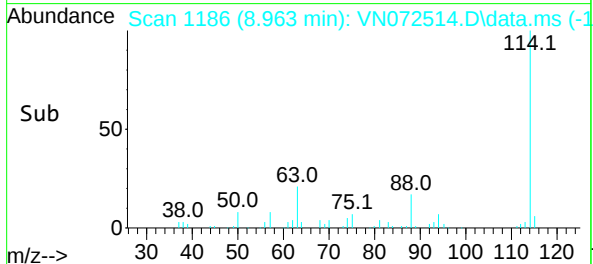
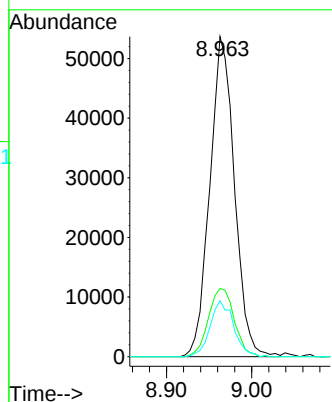
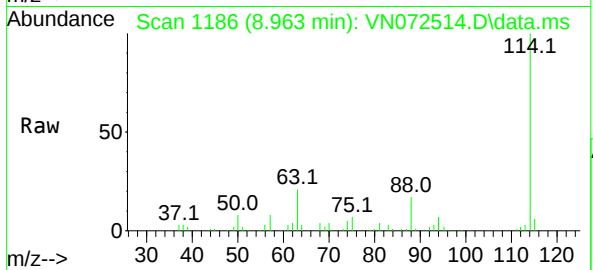




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN072514.D
 Acq: 16 May 2022 20:33

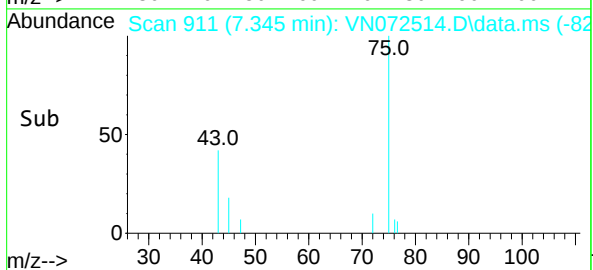
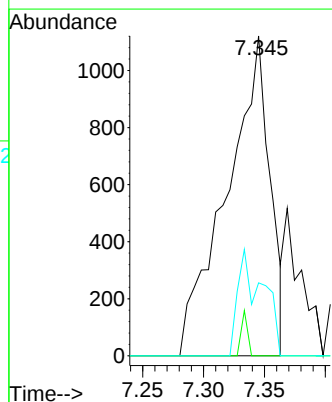
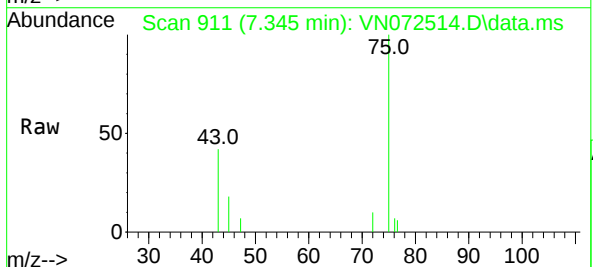
Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-2

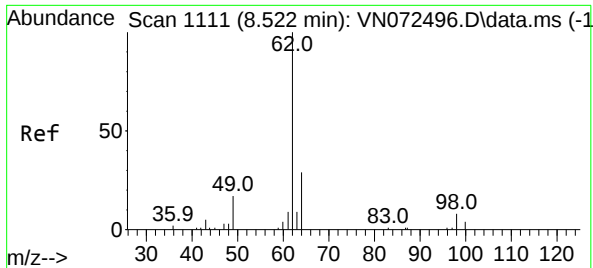
Tgt Ion:114 Resp: 107822
 Ion Ratio Lower Upper
 114 100
 63 22.3 15.8 23.6
 88 16.7 11.6 17.4



#30
 2-Butanone
 Concen: 2.222 ug/l
 RT: 7.345 min Scan# 911
 Delta R.T. 0.018 min
 Lab File: VN072514.D
 Acq: 16 May 2022 20:33

Tgt Ion: 43 Resp: 2762
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.7 10.1#
 72 9.2 23.2 34.8#





#36

1,2-Dichloroethane

Concen: 1.594 ug/l

RT: 8.957 min Scan# 1111

Delta R.T. 0.435 min

Lab File: VN072514.D

Acq: 16 May 2022 20:33

Instrument :

MSVOA_N

ClientSampleId :

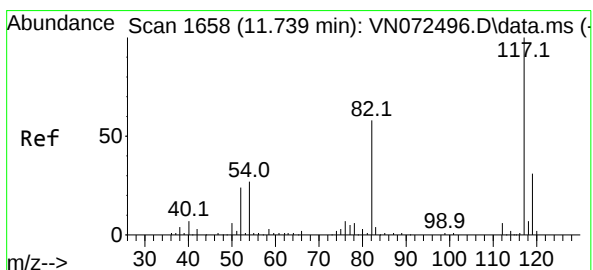
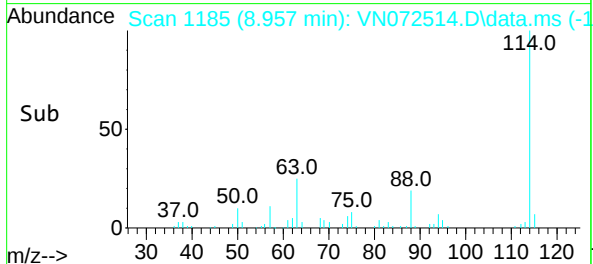
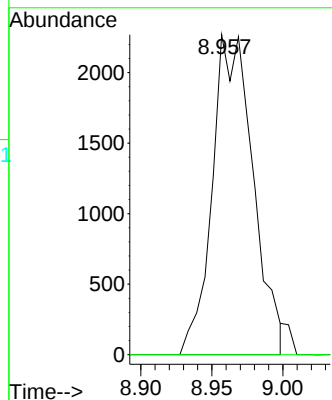
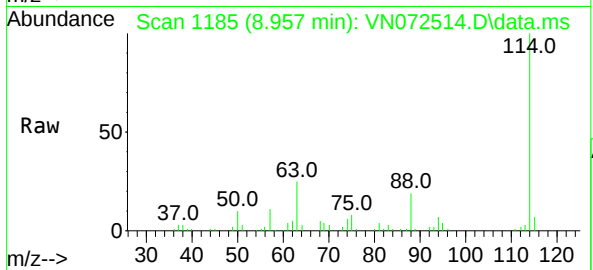
FETWP-2

Tgt Ion: 62 Resp: 4530

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VN072514.D

Acq: 16 May 2022 20:33

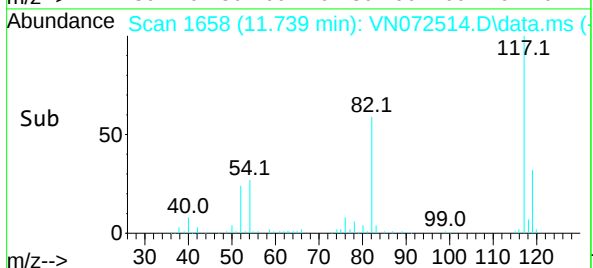
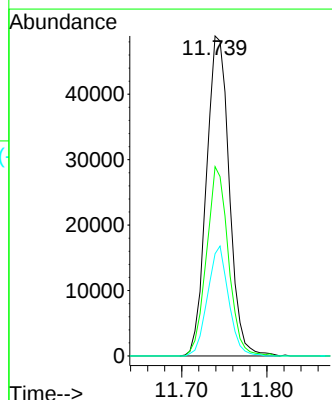
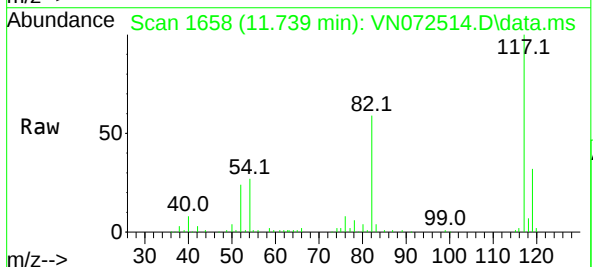
Tgt Ion: 117 Resp: 90985

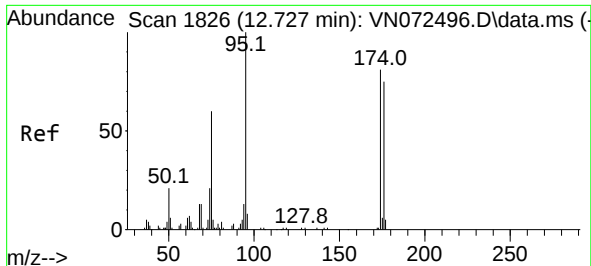
Ion Ratio Lower Upper

117 100

82 56.6 43.6 65.4

119 31.7 25.8 38.6

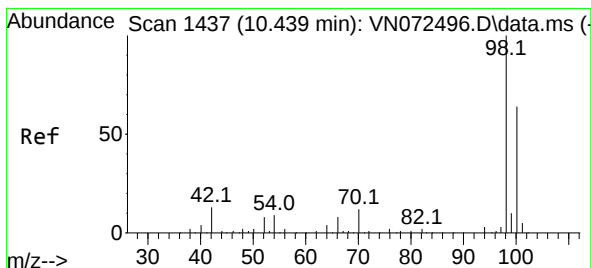
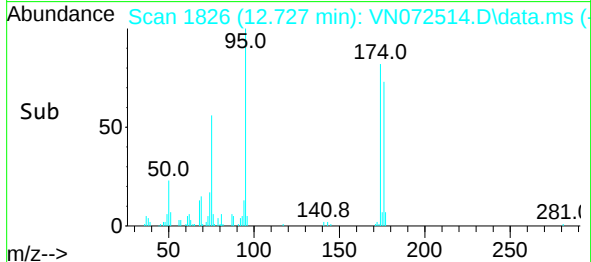
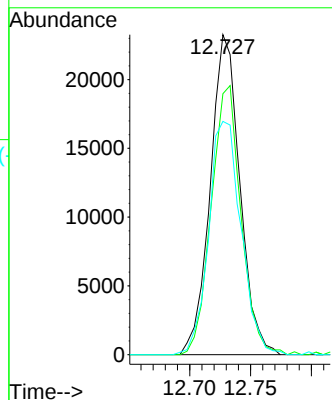
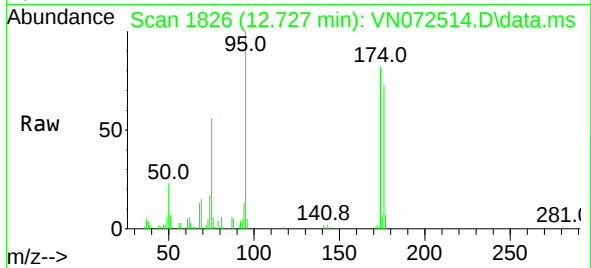




#60
4-Bromofluorobenzene
Concen: 22.116 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072514.D
Acq: 16 May 2022 20:33

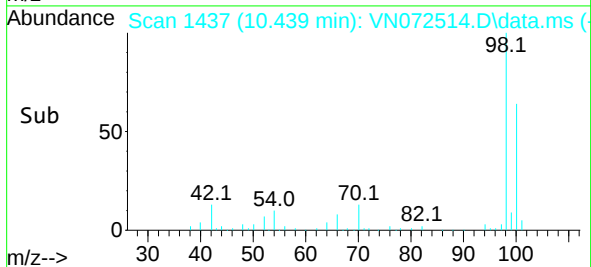
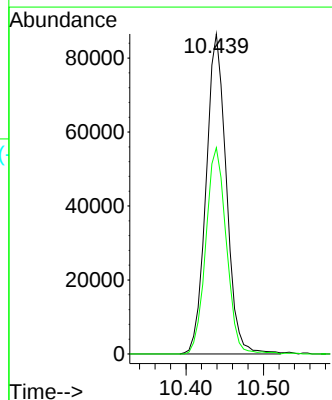
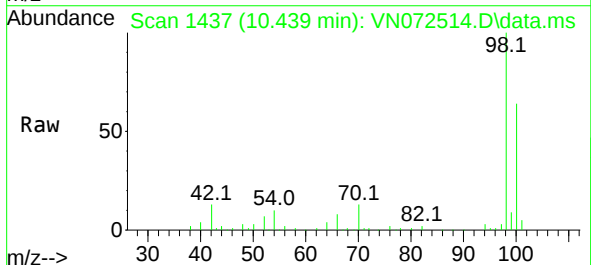
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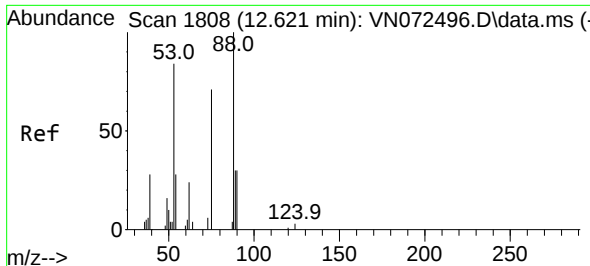
Tgt Ion: 95 Resp: 39290
Ion Ratio Lower Upper
95 100
174 84.4 62.9 94.3
176 79.7 61.0 91.4



#63
Toluene-d8
Concen: 31.580 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072514.D
Acq: 16 May 2022 20:33

Tgt Ion: 98 Resp: 156848
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

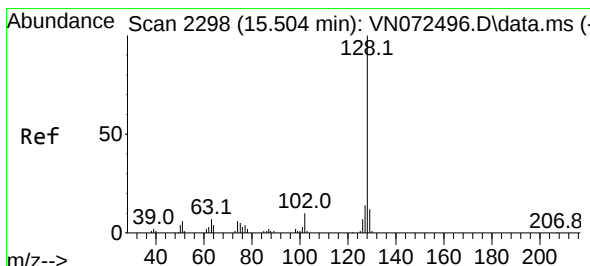
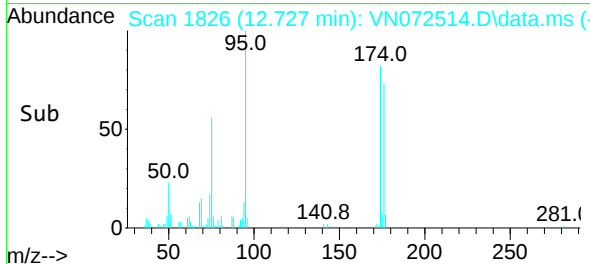
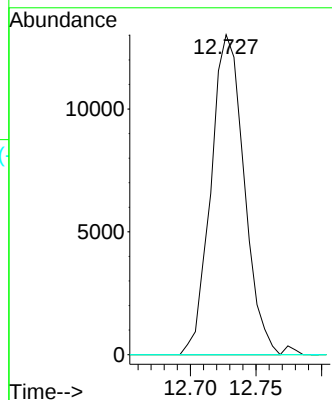
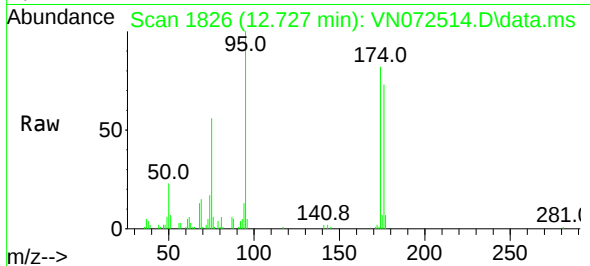




#77
t-1,4-Dichloro-2-butene
Concen: 35.197 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072514.D
Acq: 16 May 2022 20:33

Instrument :
MSVOA_N
ClientSampleId :
FETWP-2

Tgt Ion: 75 Resp: 22901
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 7.787 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.005 min
Lab File: VN072514.D
Acq: 16 May 2022 20:33

Tgt Ion:128 Resp: 122
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

