

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072517.D
 Acq On : 16 May 2022 21:46
 Operator : JC\MD
 Sample : N2804-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-4

Quant Time: May 17 07:21:26 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)

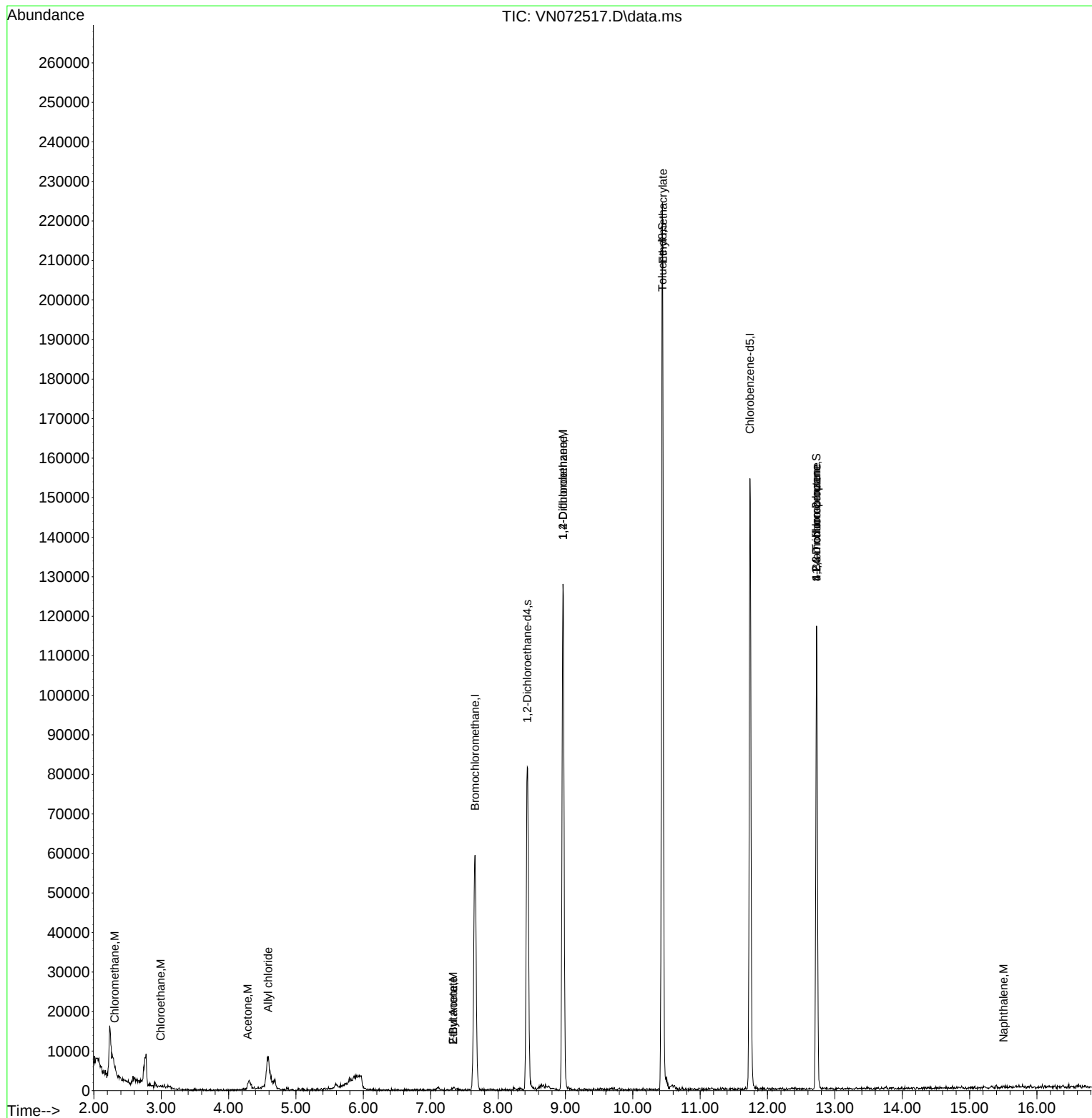
Internal Standards						
1) Bromochloromethane	7.657	128	22041	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	108508	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	87917	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	77664	31.314	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.367%
60) 4-Bromofluorobenzene	12.727	95	37608	21.908	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.033%
63) Toluene-d8	10.439	98	151425	31.552	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.167%
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	742	0.449	ug/l #	40
6) Chloroethane	2.993	64	641	0.703	ug/l #	44
15) Acetone	4.281	58	142	0.566	ug/l #	63
17) Allyl chloride	4.587	41	774	0.306	ug/l #	51
30) 2-Butanone	7.334	43	691	0.552	ug/l #	83
36) 1,2-Dichloroethane	8.963	62	4449	1.556	ug/l #	77
43) Ethyl Acetate	7.334	43	691	0.283	ug/l #	67
51) Ethyl methacrylate	10.445	69	538	0.209	ug/l #	67
72) 1,2,3-Trichloropropane	12.727	75	23068	12.123	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	23068	36.690	ug/l #	8
91) Naphthalene	15.504	128	152	7.794	ug/l #	68

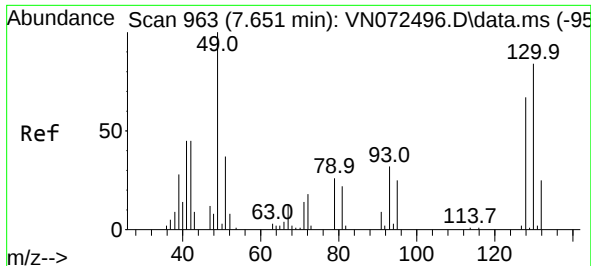
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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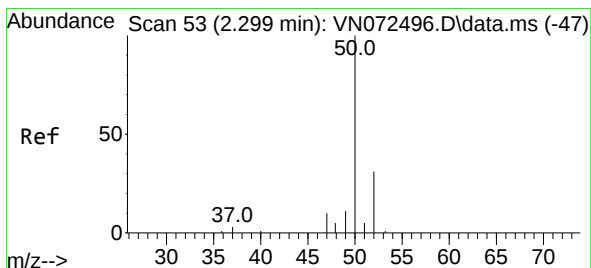
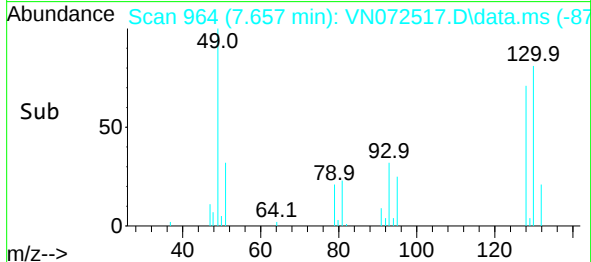
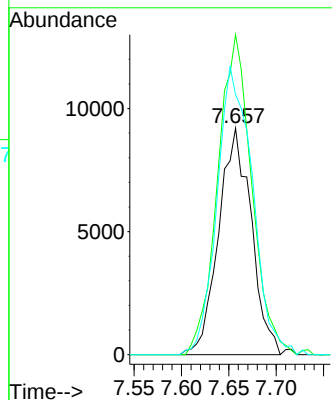
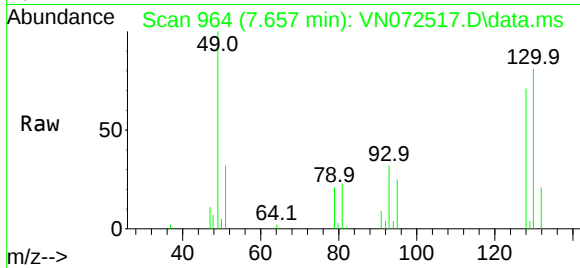




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

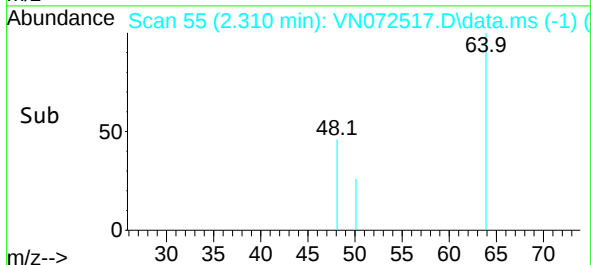
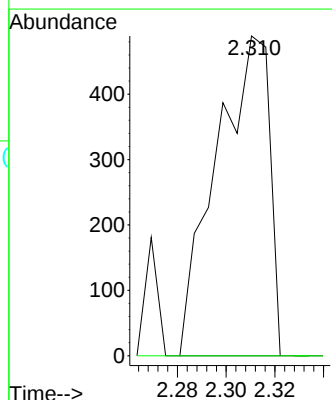
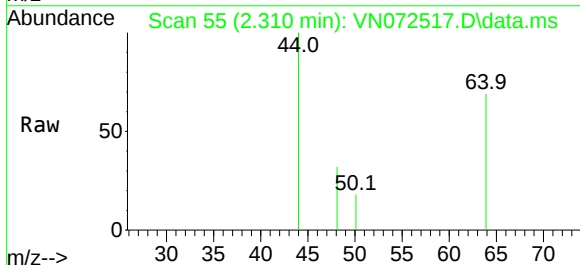
Instrument :
MSVOA_N
ClientSampleId :
FETWP-4

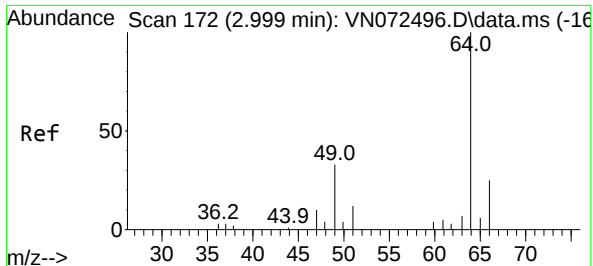
Tgt Ion:128	Resp:	22041	
Ion	Ratio	Lower	Upper
128	100		
49	147.1	0.0	392.3
130	138.1	0.0	320.2



#3
Chloromethane
Concen: 0.449 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

Tgt Ion: 50	Resp:	742	
Ion Ratio	Lower	Upper	
50 100			
52 0.0	27.8	41.6#	

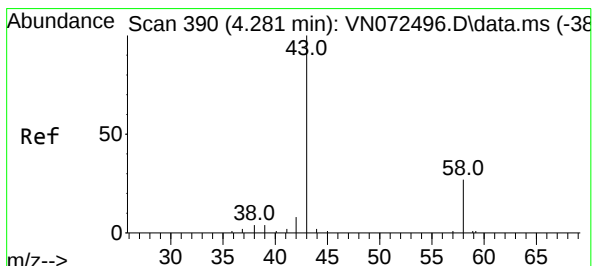
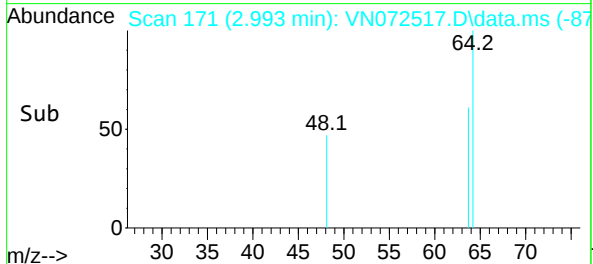
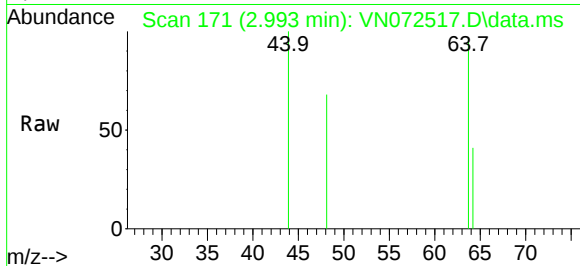




#6
Chloroethane
Concen: 0.703 ug/l
RT: 2.993 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

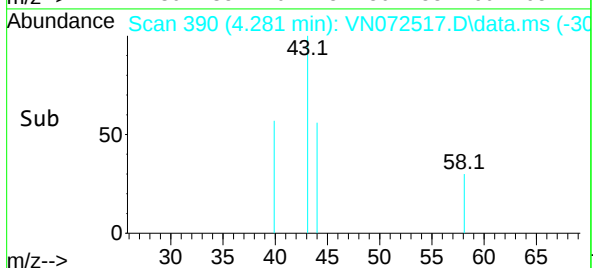
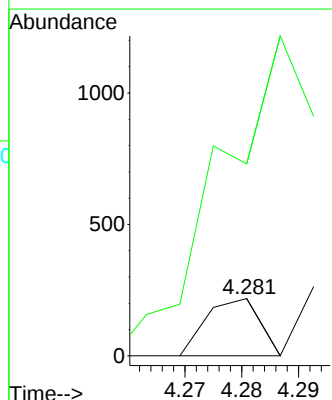
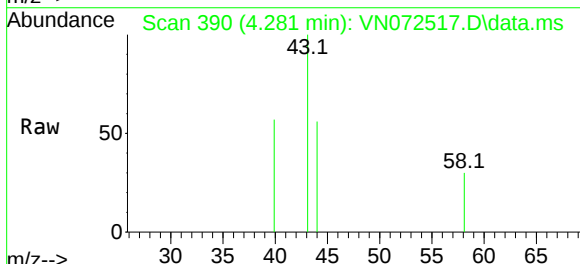
Instrument :
MSVOA_N
ClientSampleId :
FETWP-4

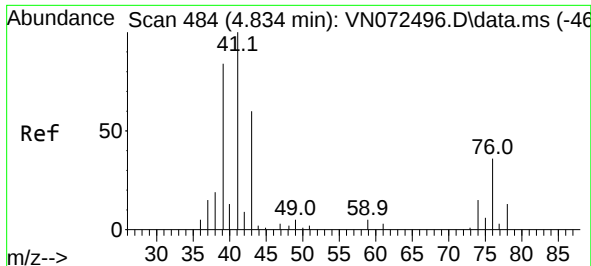
Tgt Ion: 64 Resp: 641
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#15
Acetone
Concen: 0.566 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

Tgt Ion: 58 Resp: 142
Ion Ratio Lower Upper
58 100
43 244.5 256.6 384.8#





#17

Allyl chloride

Concen: 0.306 ug/l

RT: 4.587 min Scan# 41

Delta R.T. -0.247 min

Lab File: VN072517.D

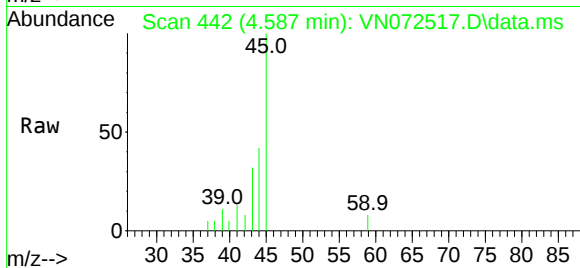
Acq: 16 May 2022 21:46

Instrument :

MSVOA_N

ClientSampleId :

FETWP-4



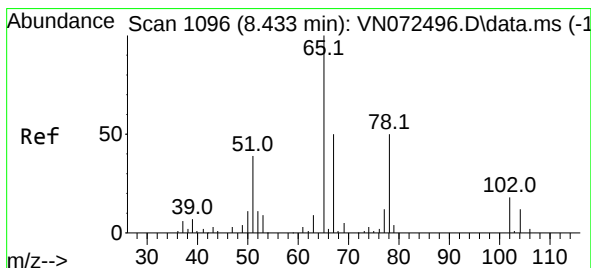
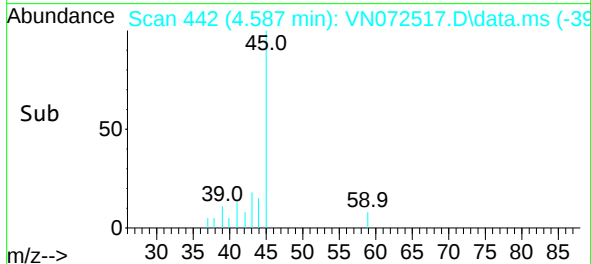
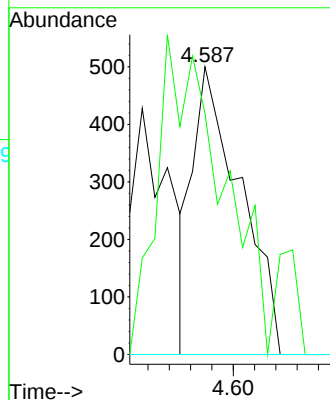
Tgt Ion: 41 Resp: 774

Ion Ratio Lower Upper

41 100

39 49.0 44.6 134.0

76 0.0 19.6 58.7#



#27

1,2-Dichloroethane-d4

Concen: 31.314 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072517.D

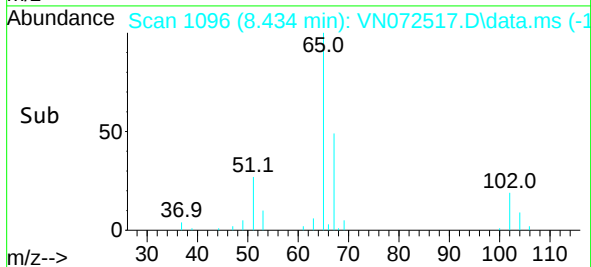
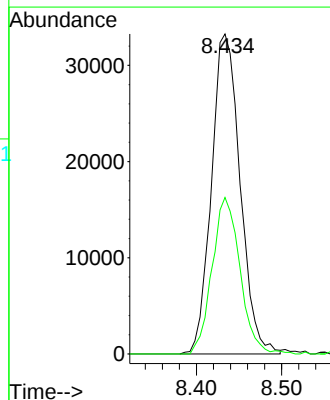
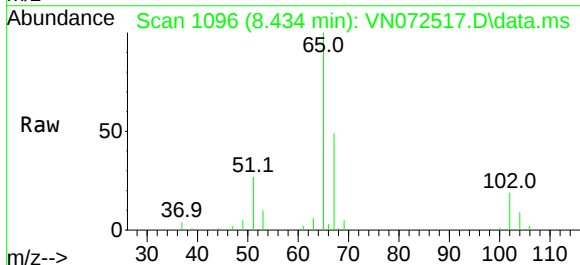
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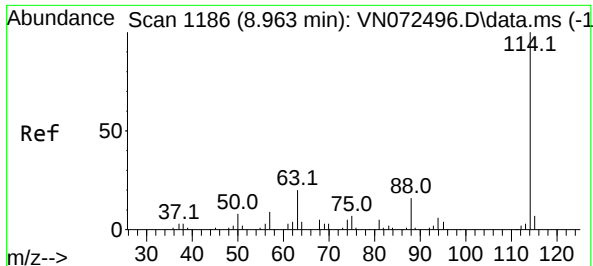
Tgt Ion: 65 Resp: 77664

Ion Ratio Lower Upper

65 100

67 47.2 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: VN072517.D

Acq: 16 May 2022 21:46

Instrument :

MSVOA_N

ClientSampleId :

FETWP-4

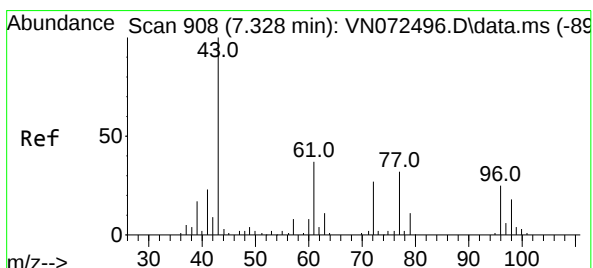
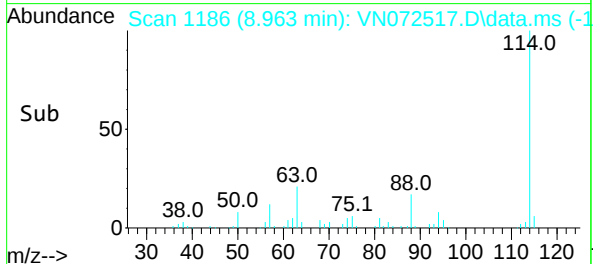
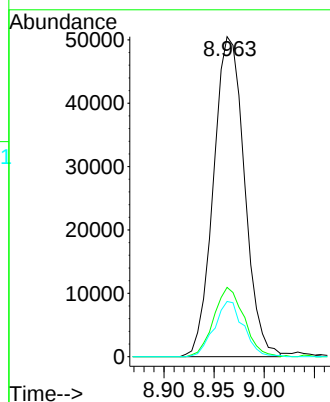
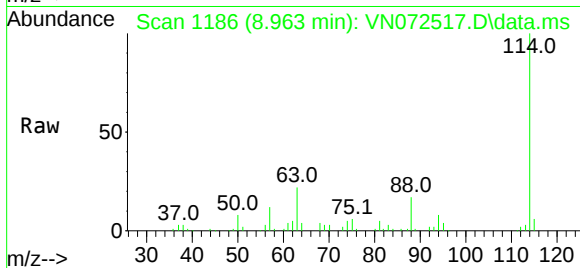
Tgt Ion:114 Resp: 108508

Ion Ratio Lower Upper

114 100

63 21.1 15.8 23.6

88 16.2 11.6 17.4



#30

2-Butanone

Concen: 0.552 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN072517.D

Acq: 16 May 2022 21:46

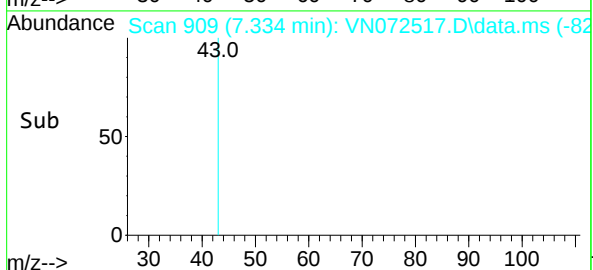
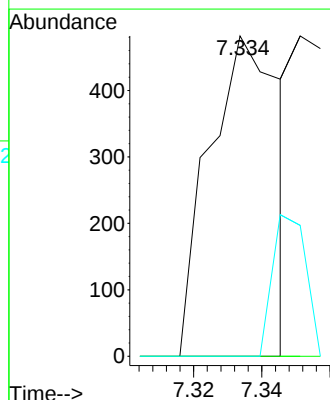
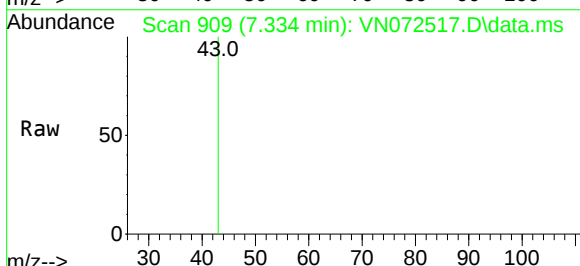
Tgt Ion: 43 Resp: 691

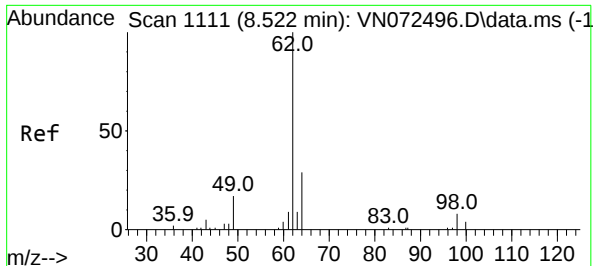
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 21.0 23.2 34.8#





#36

1,2-Dichloroethane

Concen: 1.556 ug/l

RT: 8.963 min Scan# 1111

Delta R.T. 0.441 min

Lab File: VN072517.D

Acq: 16 May 2022 21:46

Instrument :

MSVOA_N

ClientSampleId :

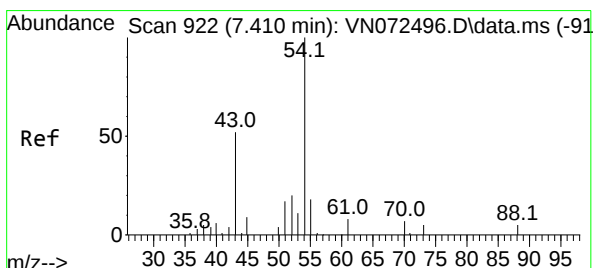
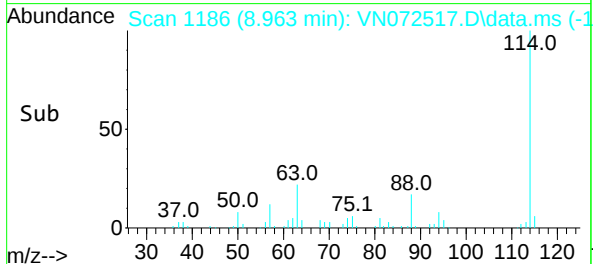
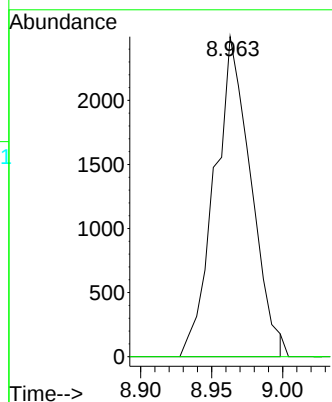
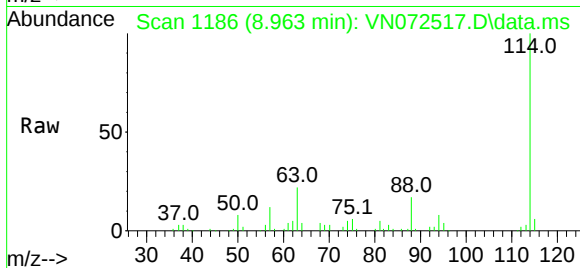
FETWP-4

Tgt Ion: 62 Resp: 4449

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#43

Ethyl Acetate

Concen: 0.283 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.076 min

Lab File: VN072517.D

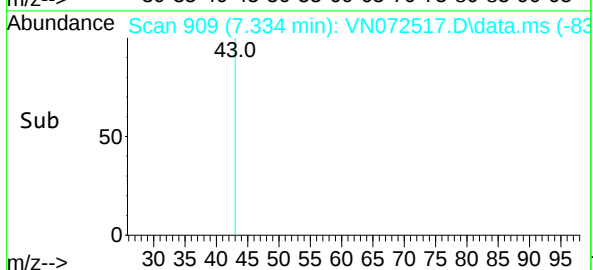
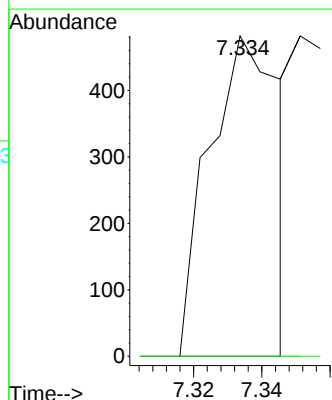
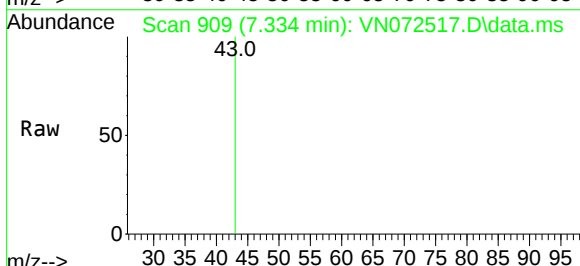
Acq: 16 May 2022 21:46

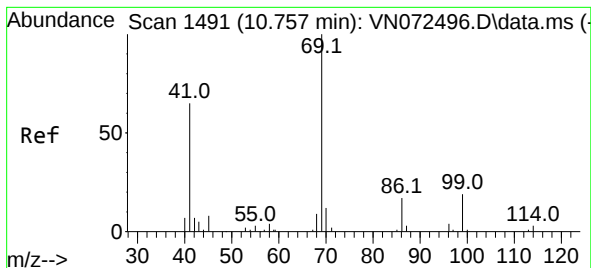
Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

45 0.0 10.6 16.0#





#51

Ethyl methacrylate

Concen: 0.209 ug/l

RT: 10.445 min Scan# 1491

Delta R.T. -0.312 min

Lab File: VN072517.D

Acq: 16 May 2022 21:46

Instrument :

MSVOA_N

ClientSampleId :

FETWP-4

Tgt Ion: 69 Resp: 538

Ion Ratio Lower Upper

69 100

41 63.7

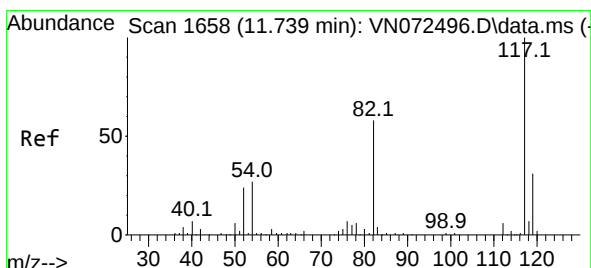
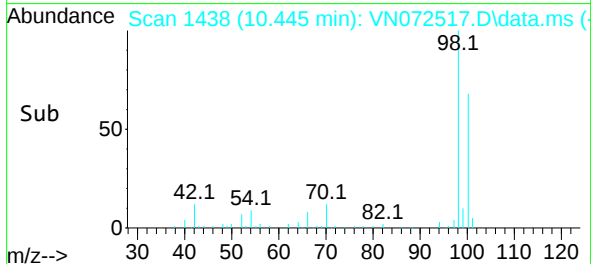
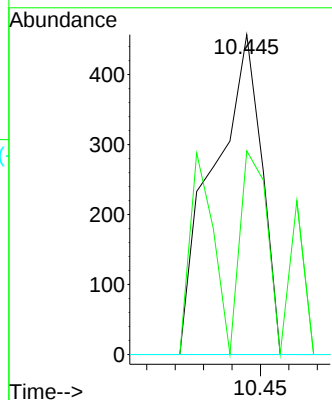
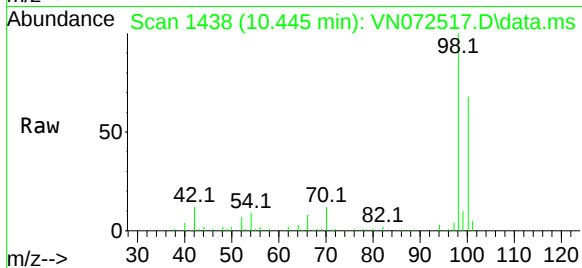
39 0.0

33.0

25.4

98.9

76.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VN072517.D

Acq: 16 May 2022 21:46

Tgt Ion: 117 Resp: 87917

Ion Ratio Lower Upper

117 100

82 58.0

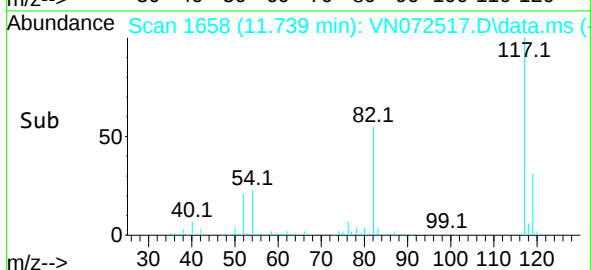
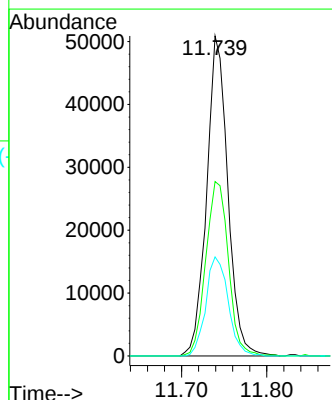
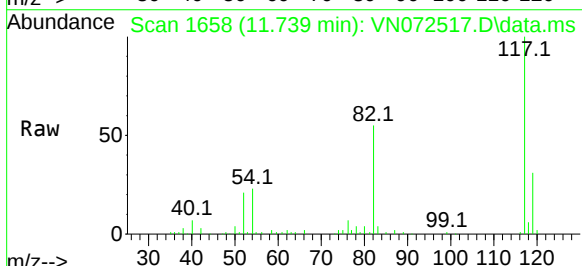
119 32.7

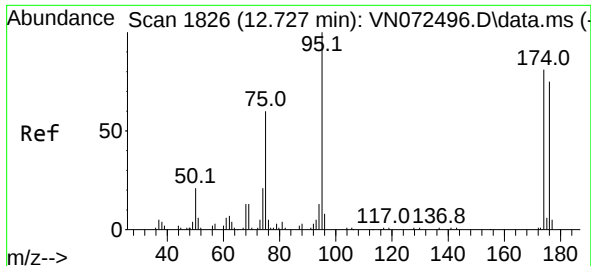
43.6

25.8

65.4

38.6

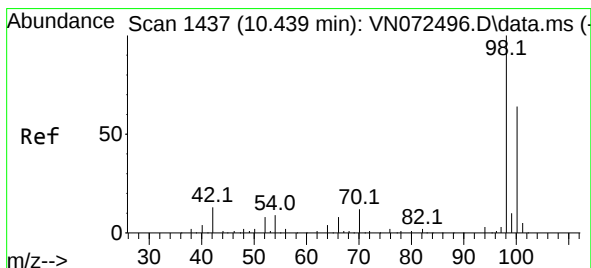
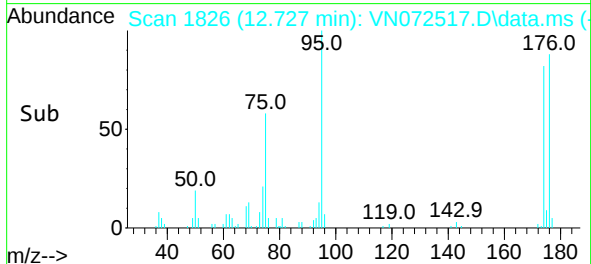
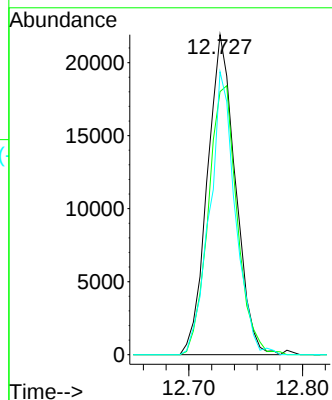
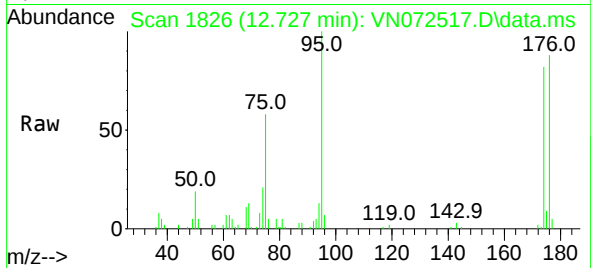




#60
4-Bromofluorobenzene
Concen: 21.908 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

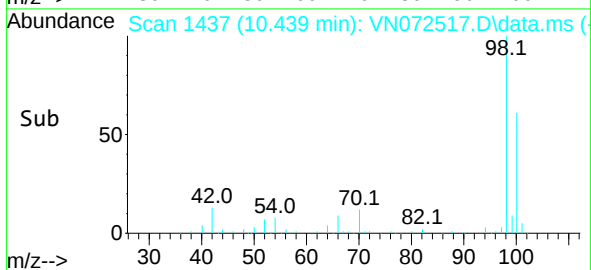
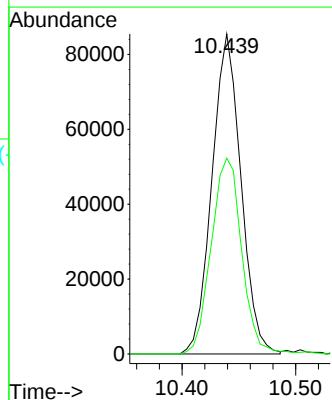
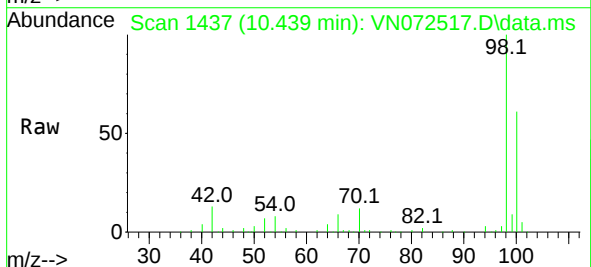
Instrument :
MSVOA_N
ClientSampleId :
FETWP-4

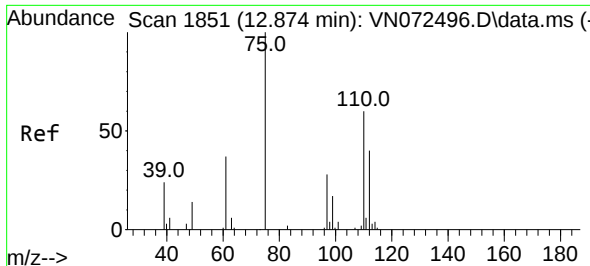
Tgt Ion: 95 Resp: 37608
Ion Ratio Lower Upper
95 100
174 86.1 62.9 94.3
176 80.5 61.0 91.4



#63
Toluene-d8
Concen: 31.552 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

Tgt Ion: 98 Resp: 151425
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

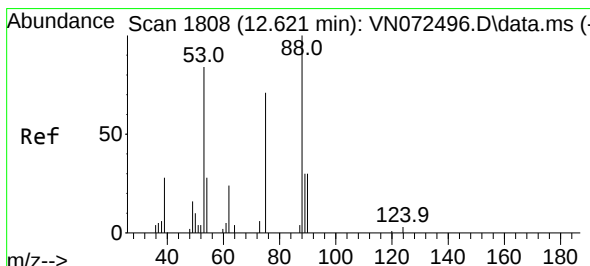
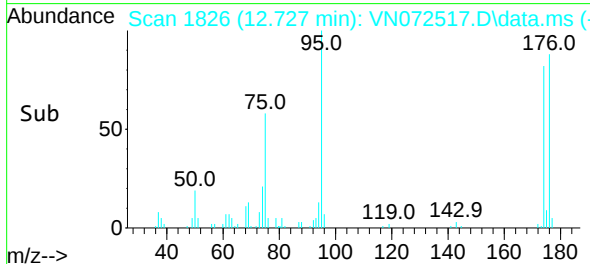
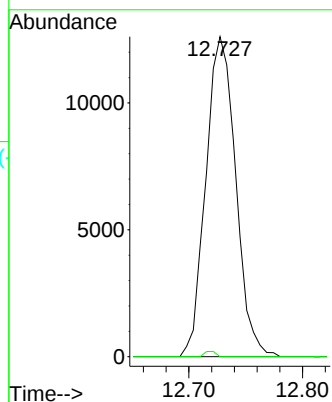
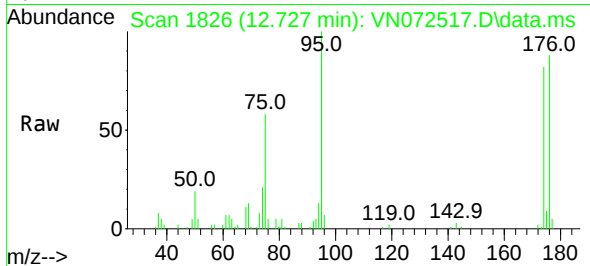




#72
1,2,3-Trichloropropane
Concen: 12.123 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

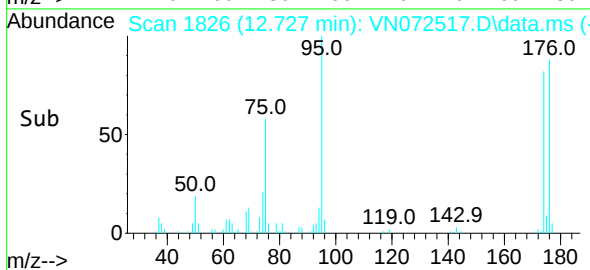
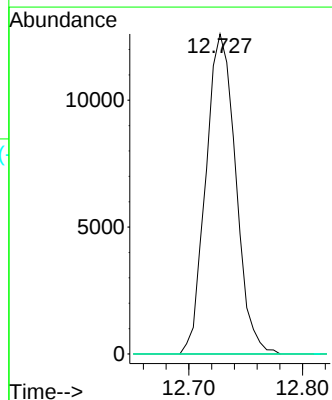
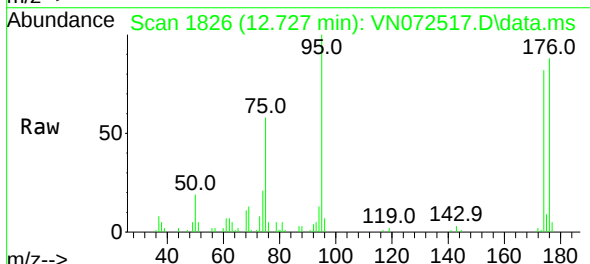
Instrument :
MSVOA_N
ClientSampleId :
FETWP-4

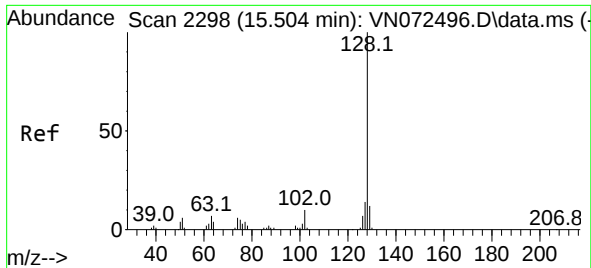
Tgt Ion: 75 Resp: 23068
Ion Ratio Lower Upper
75 100
77 0.6 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 36.690 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

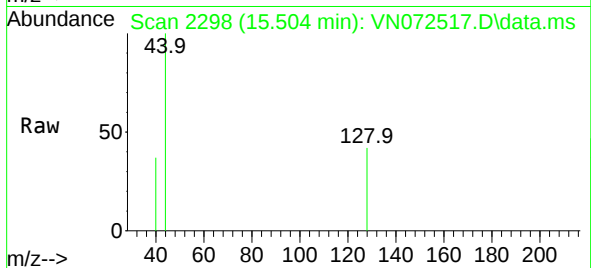
Tgt Ion: 75 Resp: 23068
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 7.794 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072517.D
Acq: 16 May 2022 21:46

Instrument :
MSVOA_N
ClientSampleId :
FETWP-4



Tgt Ion:128 Resp: 152
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

