

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072515.D
 Acq On : 16 May 2022 20:58
 Operator : JC\MD
 Sample : N2804-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-3

Quant Time: May 17 07:21:00 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)

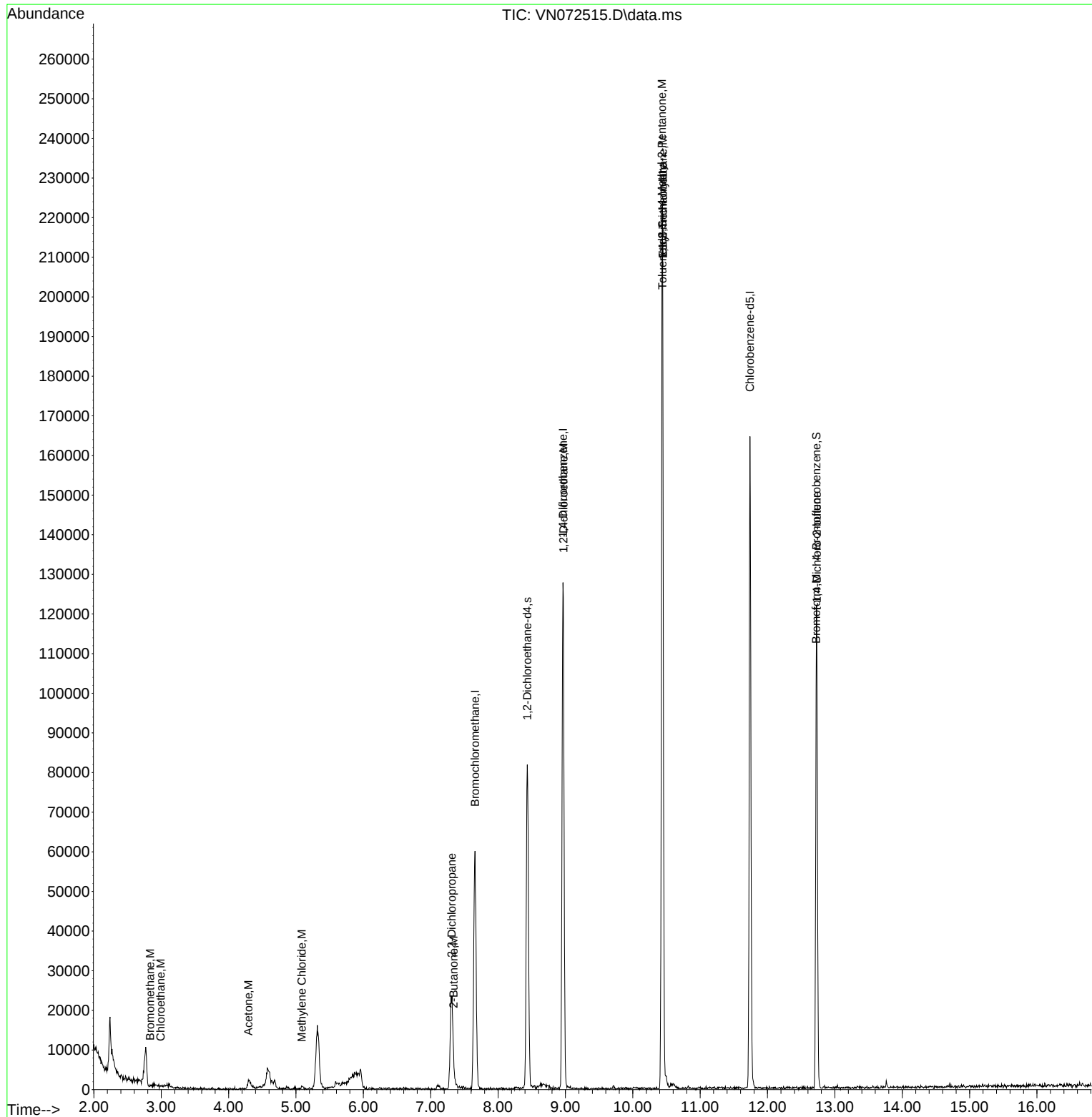
Internal Standards						
1) Bromochloromethane	7.657	128	21166	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	108293	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	91213	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	77841	32.683	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.933%
60) 4-Bromofluorobenzene	12.727	95	40006	22.463	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.867%
63) Toluene-d8	10.439	98	153686	30.866	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.900%
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	256	0.235	ug/l #	77
6) Chloroethane	2.993	64	376	0.430	ug/l #	44
15) Acetone	4.293	58	554	2.301	ug/l #	62
18) Methylene Chloride	5.087	84	338	0.212	ug/l #	82
30) 2-Butanone	7.339	43	1693	1.356	ug/l #	53
31) 2,2-Dichloropropane	7.310	77	856	0.320	ug/l #	53
36) 1,2-Dichloroethane	8.969	62	4442	1.556	ug/l #	77
50) 1,1,2-Trichloroethane	10.445	97	4901	2.982	ug/l #	1
51) Ethyl methacrylate	10.445	69	557	0.217	ug/l #	58
56) Bromoform	12.721	173	423	0.283	ug/l #	1
58) 4-Methyl-2-Pentanone	10.433	43	432	0.201	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.733	75	22301	34.189	ug/l #	8

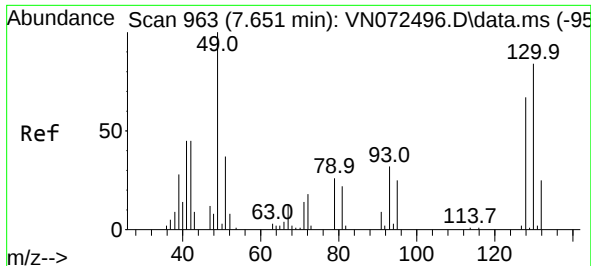
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FETWP-3

Quant Time: May 17 07:21:00 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

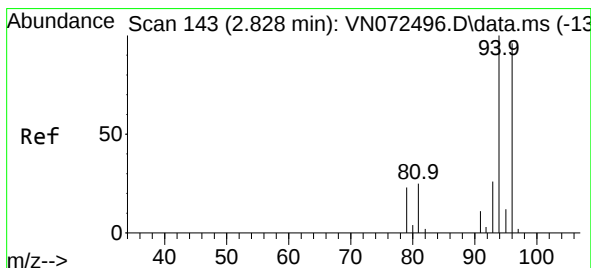
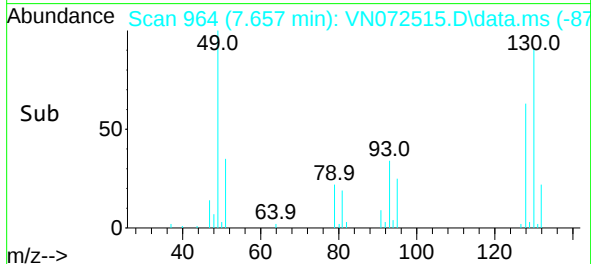
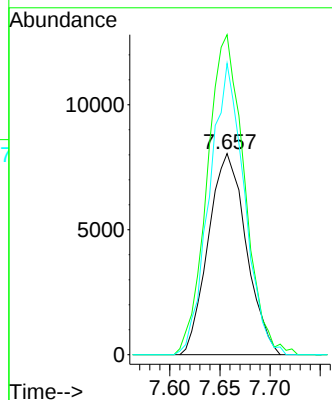
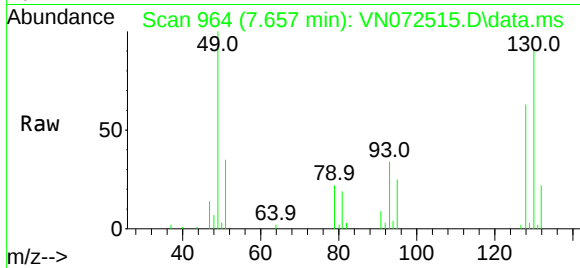




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

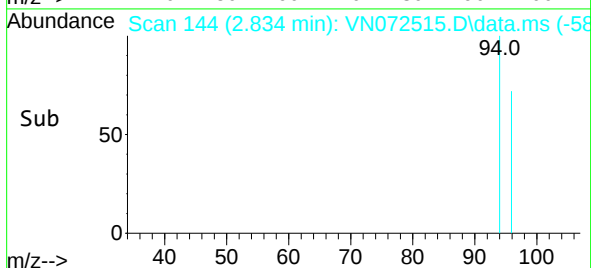
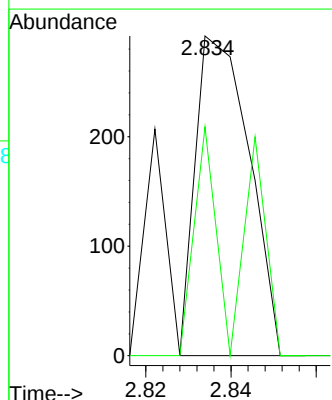
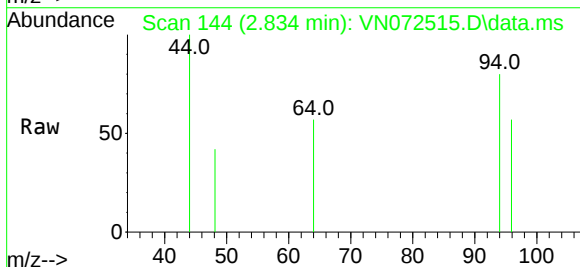
Instrument :
MSVOA_N
ClientSampleId :
FETWP-3

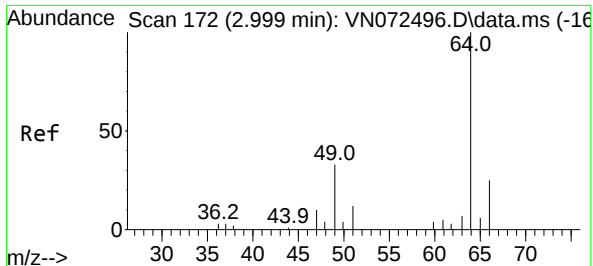
Tgt Ion:128 Resp: 21166
Ion Ratio Lower Upper
128 100
49 155.7 0.0 392.3
130 133.6 0.0 320.2



#5
Bromomethane
Concen: 0.235 ug/l
RT: 2.834 min Scan# 144
Delta R.T. 0.006 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion: 94 Resp: 256
Ion Ratio Lower Upper
94 100
96 71.6 75.2 112.8#

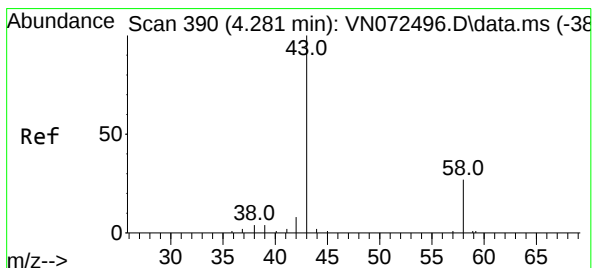
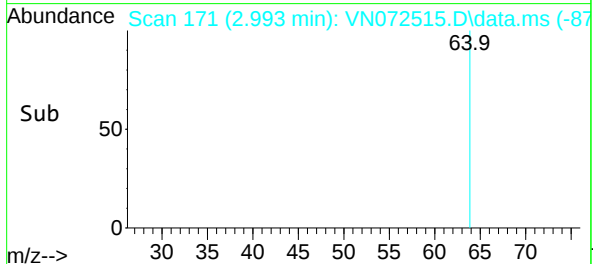
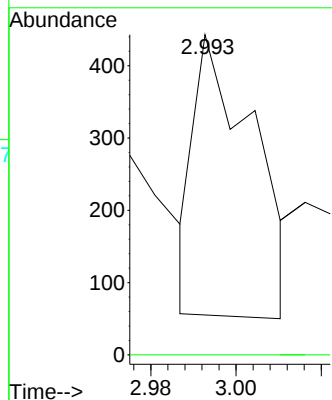
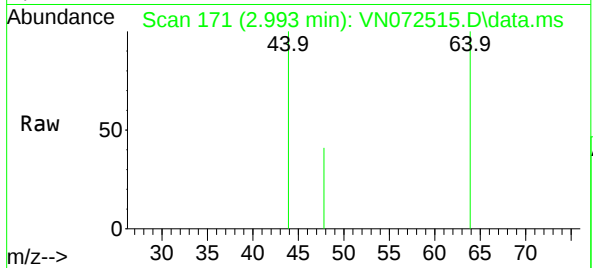




#6
Chloroethane
Concen: 0.430 ug/l
RT: 2.993 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

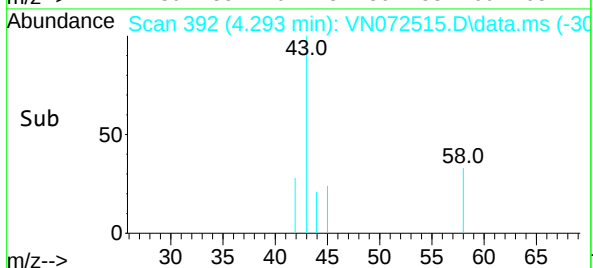
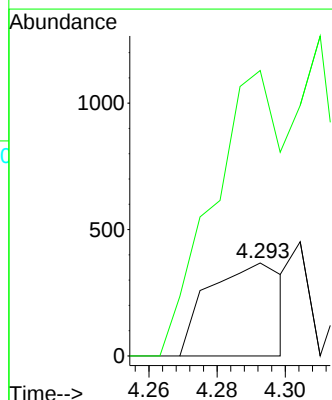
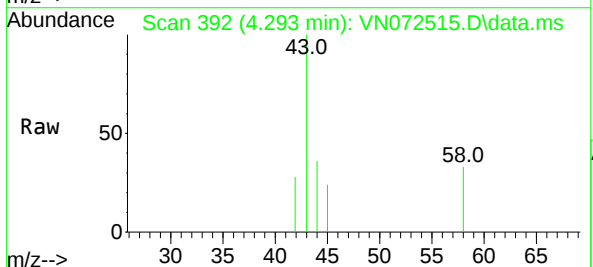
Instrument :
MSVOA_N
ClientSampleId :
FETWP-3

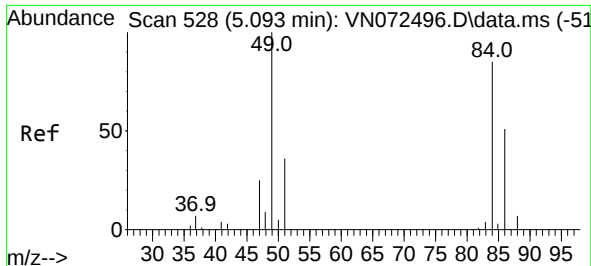
Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#15
Acetone
Concen: 2.301 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion: 58 Resp: 554
Ion Ratio Lower Upper
58 100
43 242.7 256.6 384.8#





#18

Methylene Chloride

Concen: 0.212 ug/l

RT: 5.087 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN072515.D

Acq: 16 May 2022 20:58

Instrument :

MSVOA_N

ClientSampleId :

FETWP-3

Tgt Ion: 84 Resp: 338

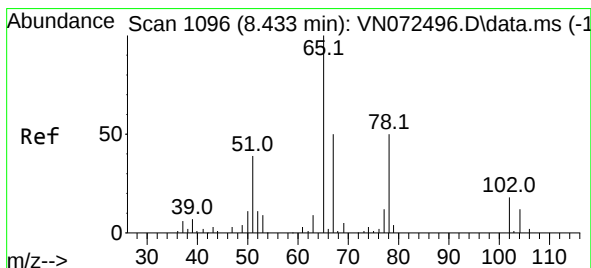
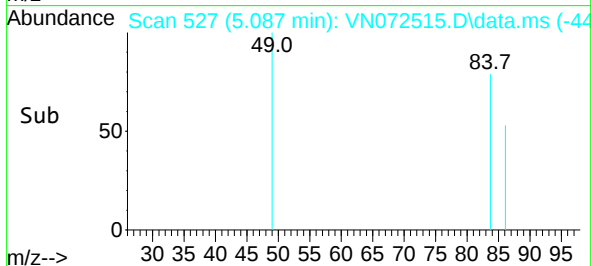
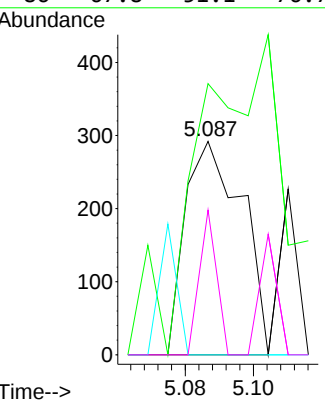
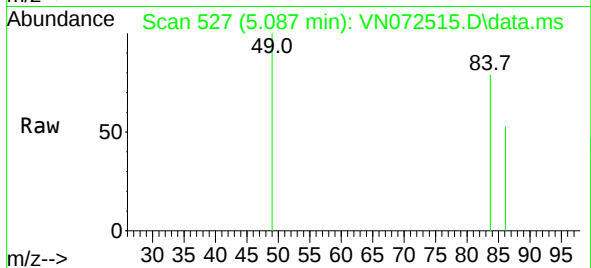
Ion Ratio Lower Upper

84 100

49 127.1 91.4 137.0

51 0.0 29.4 44.0#

86 67.8 51.1 76.7



#27

1,2-Dichloroethane-d4

Concen: 32.683 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072515.D

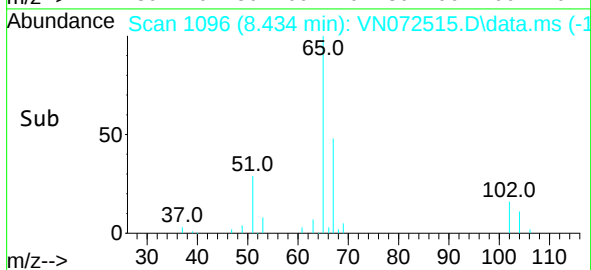
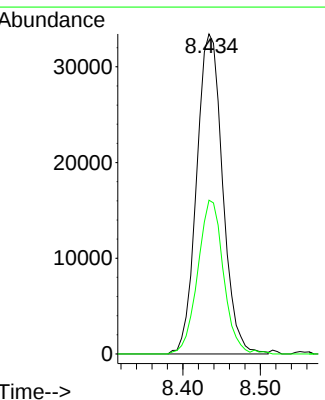
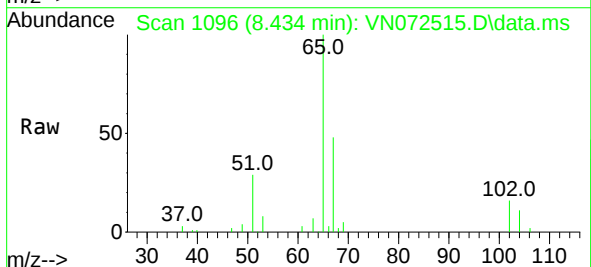
Acq: 16 May 2022 20:58

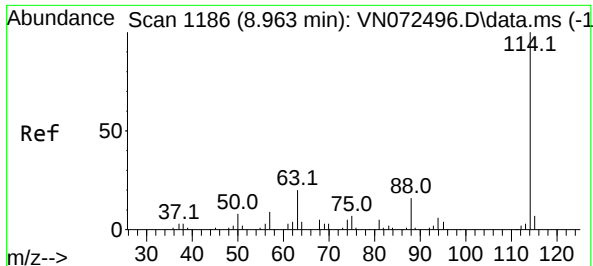
Tgt Ion: 65 Resp: 77841

Ion Ratio Lower Upper

65 100

67 47.3 40.2 60.2

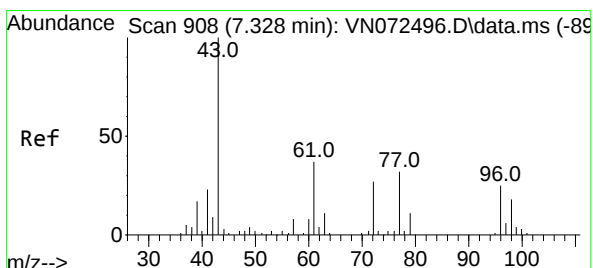
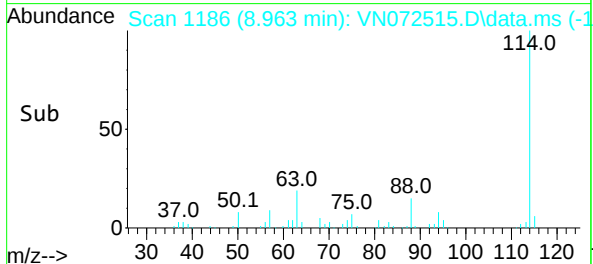
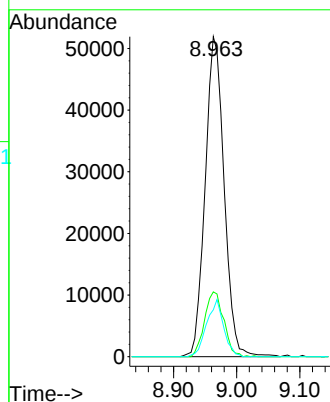
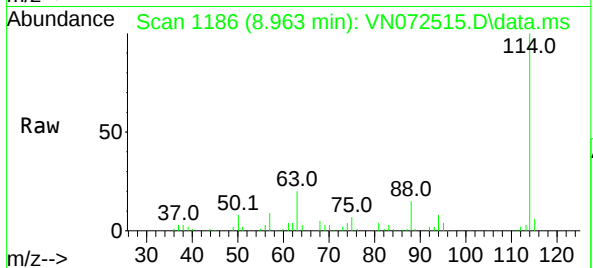




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

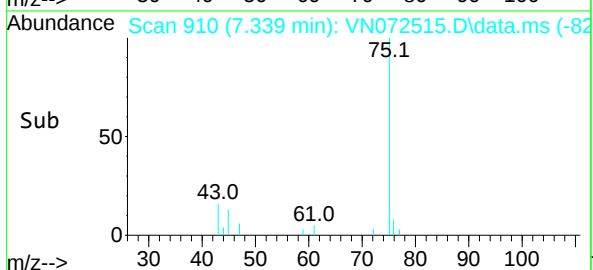
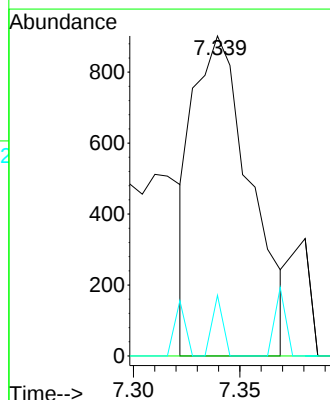
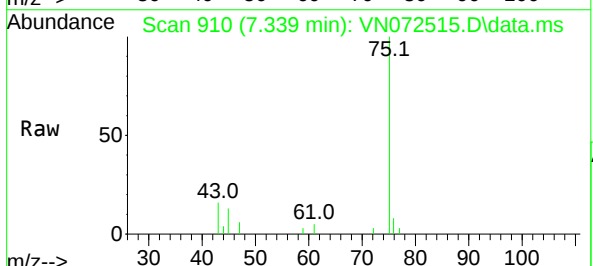
Instrument :
MSVOA_N
ClientSampleId :
FETWP-3

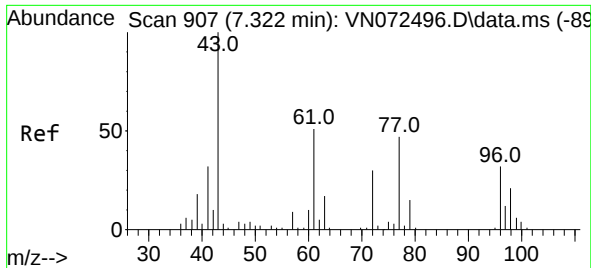
Tgt Ion:114 Resp: 108293
Ion Ratio Lower Upper
114 100
63 20.3 15.8 23.6
88 16.0 11.6 17.4



#30
2-Butanone
Concen: 1.356 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion: 43 Resp: 1693
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 23.2 34.8#

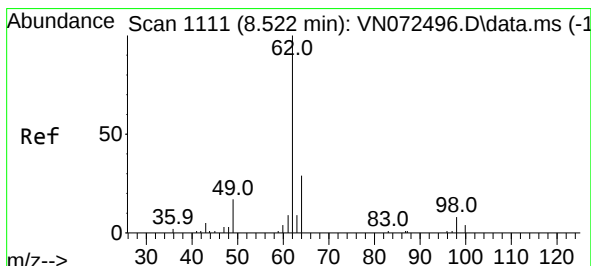
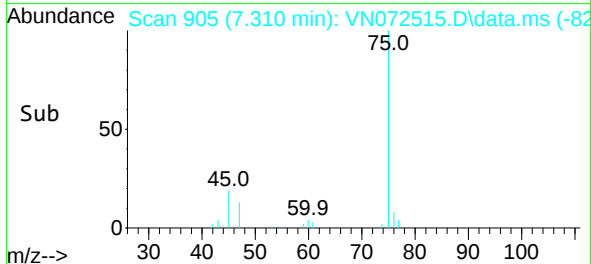
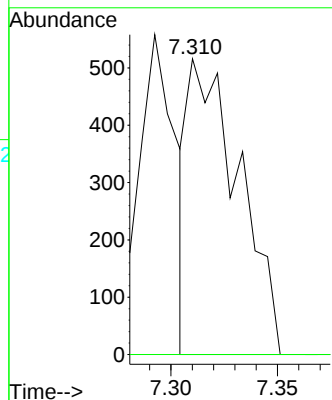
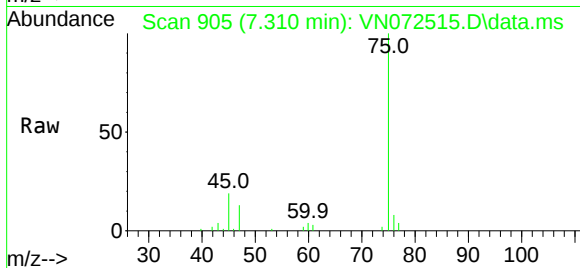




#31
2,2-Dichloropropane
Concen: 0.320 ug/l
RT: 7.310 min Scan# 907
Delta R.T. -0.012 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

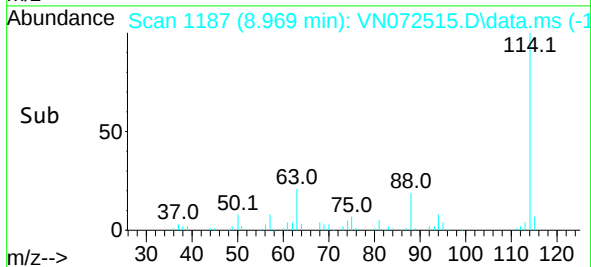
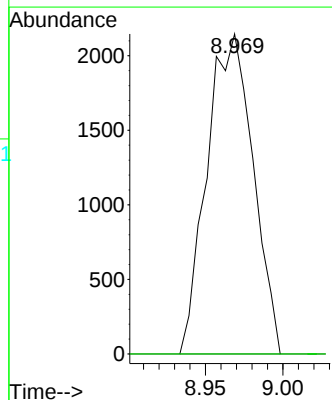
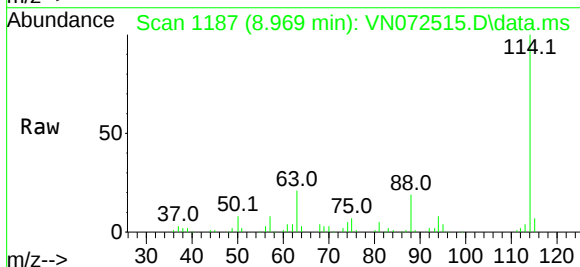
Instrument :
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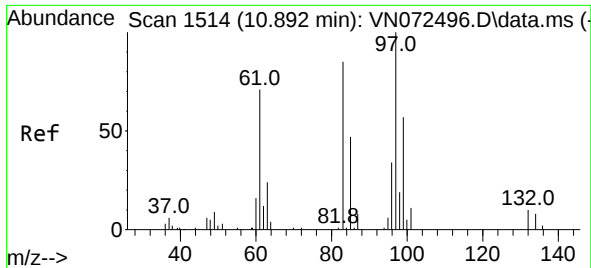
Tgt Ion: 77 Resp: 856
Ion Ratio Lower Upper
77 100
97 0.0 18.3 27.5#



#36
1,2-Dichloroethane
Concen: 1.556 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.447 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion: 62 Resp: 4442
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

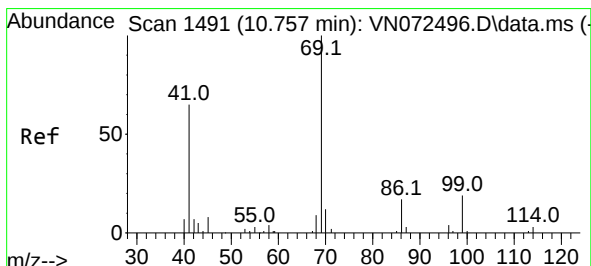
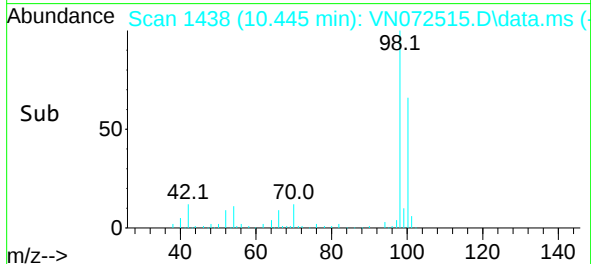
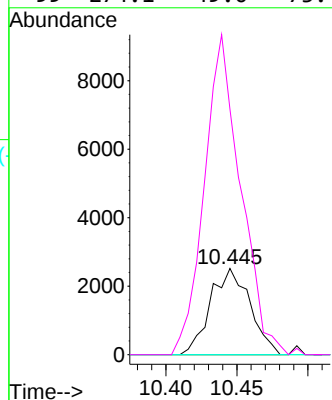
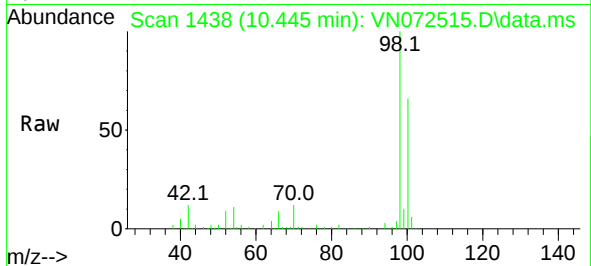




#50
1,1,2-Trichloroethane
Concen: 2.982 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

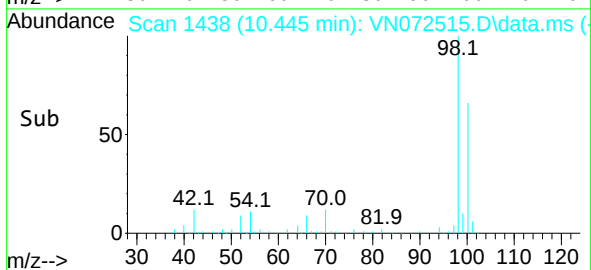
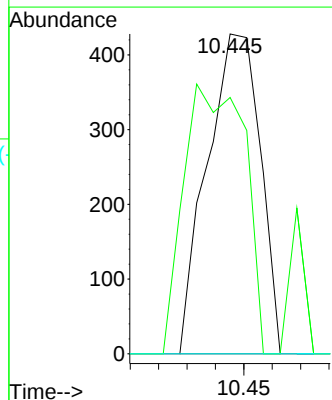
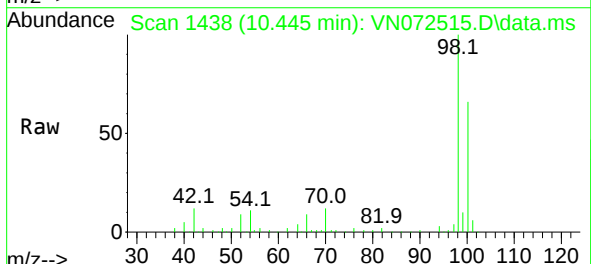
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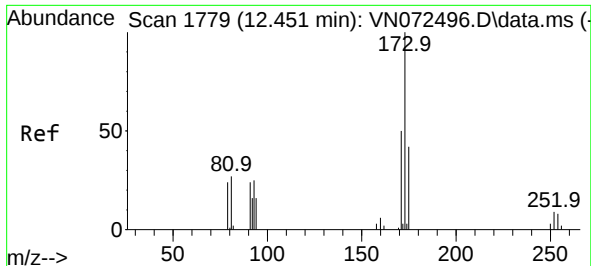
Tgt Ion: 97	Resp:	4901
Ion	Ratio	Lower Upper
97	100	
83	0.0	67.2 100.8#
85	0.0	43.0 64.4#
99	274.1	49.0 73.4#



#51
Ethyl methacrylate
Concen: 0.217 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.312 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion: 69	Resp:	557
Ion	Ratio	Lower Upper
69	100	
41	80.1	33.0 98.9
39	0.0	25.4 76.4#

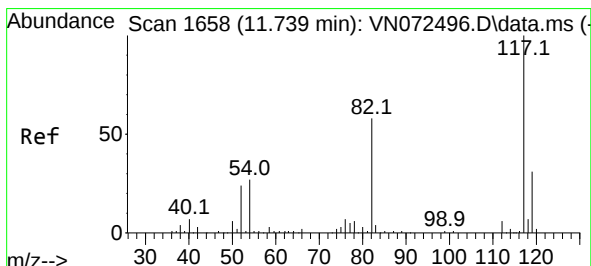
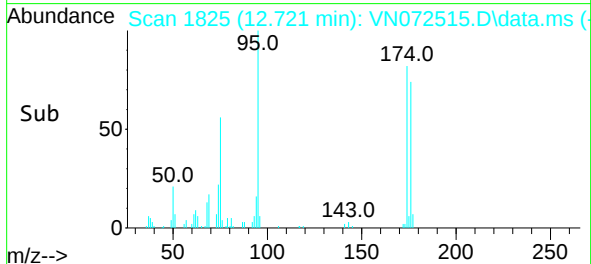
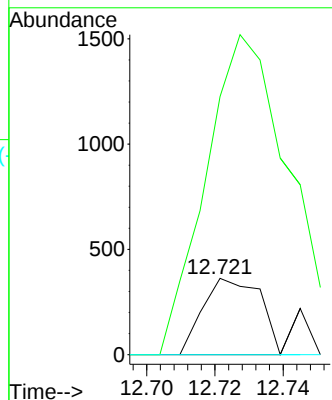
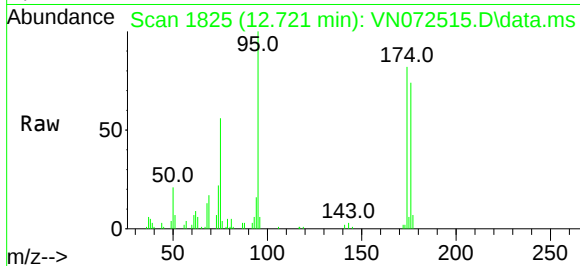




#56
Bromoform
Concen: 0.283 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

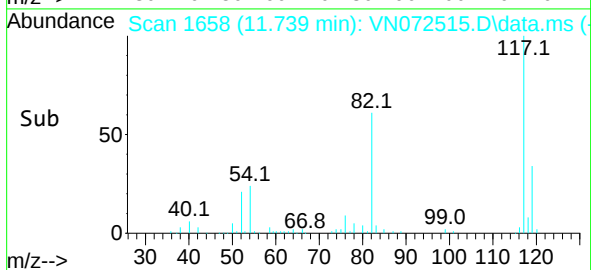
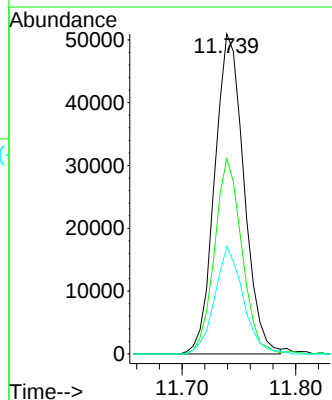
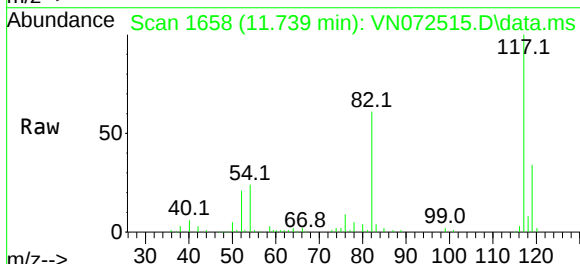
Instrument :
MSVOA_N
ClientSampleId :
FETWP-3

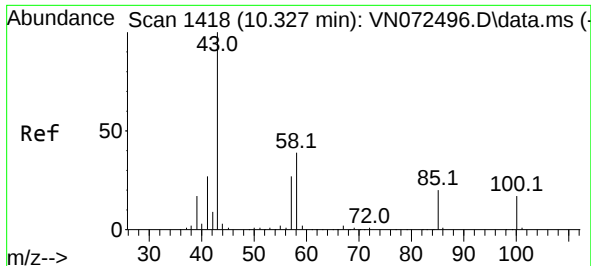
Tgt Ion:173 Resp: 423
Ion Ratio Lower Upper
173 100
175 622.9 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion:117 Resp: 91213
Ion Ratio Lower Upper
117 100
82 57.0 43.6 65.4
119 32.6 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 10.433 min Scan# 1418

Delta R.T. 0.106 min

Lab File: VN072515.D

Acq: 16 May 2022 20:58

Instrument :

MSVOA_N

ClientSampleId :

FETWP-3

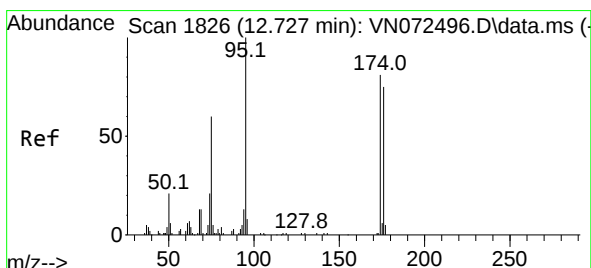
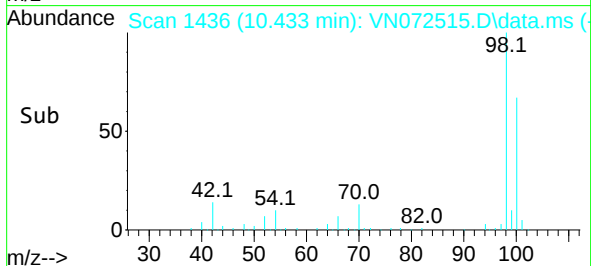
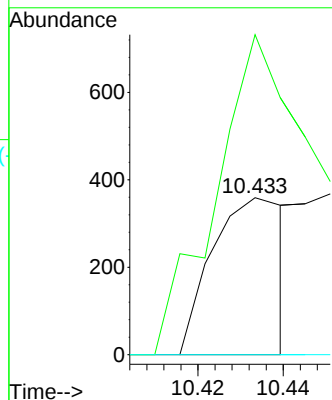
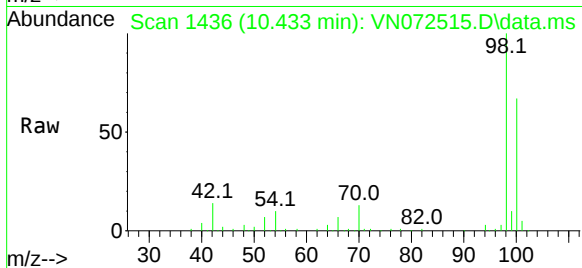
Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

43 100

58 306.9 30.0 45.0#

85 0.0 15.0 22.6#



#60

4-Bromofluorobenzene

Concen: 22.463 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072515.D

Acq: 16 May 2022 20:58

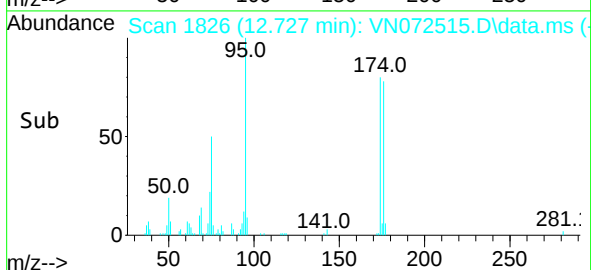
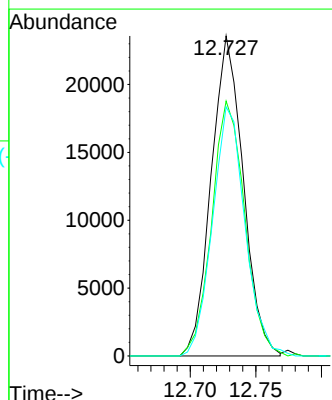
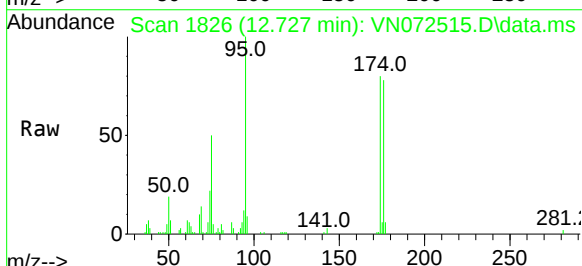
Tgt Ion: 95 Resp: 40006

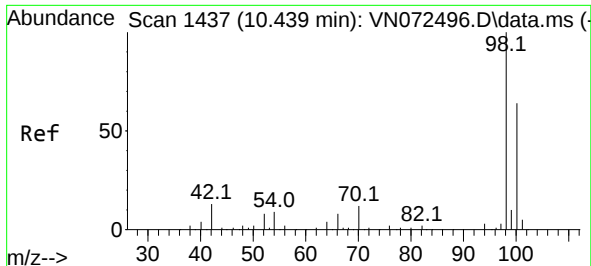
Ion Ratio Lower Upper

95 100

174 82.0 62.9 94.3

176 79.2 61.0 91.4

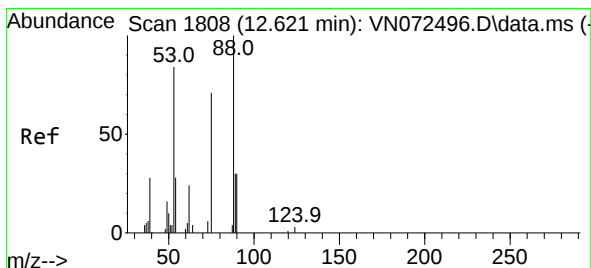
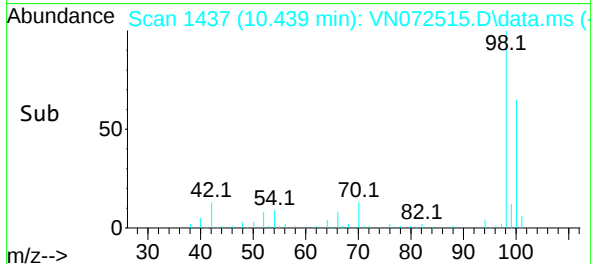
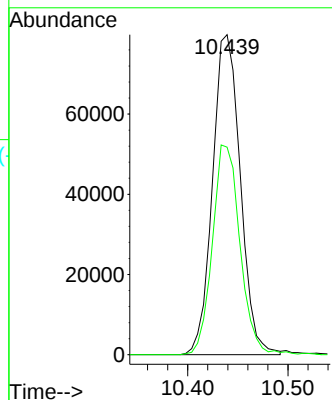
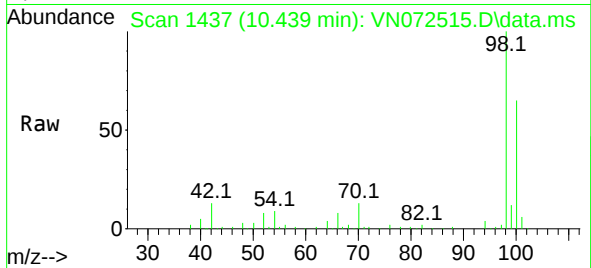




#63
Toluene-d8
Concen: 30.866 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Instrument :
MSVOA_N
ClientSampleId :
FETWP-3

Tgt Ion: 98 Resp: 153686
Ion Ratio Lower Upper
98 100
100 65.0 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.189 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.112 min
Lab File: VN072515.D
Acq: 16 May 2022 20:58

Tgt Ion: 75 Resp: 22301
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

