

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072513.D
 Acq On : 16 May 2022 20:09
 Operator : JC\MD
 Sample : N2804-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-1

Quant Time: May 17 07:20:33 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)

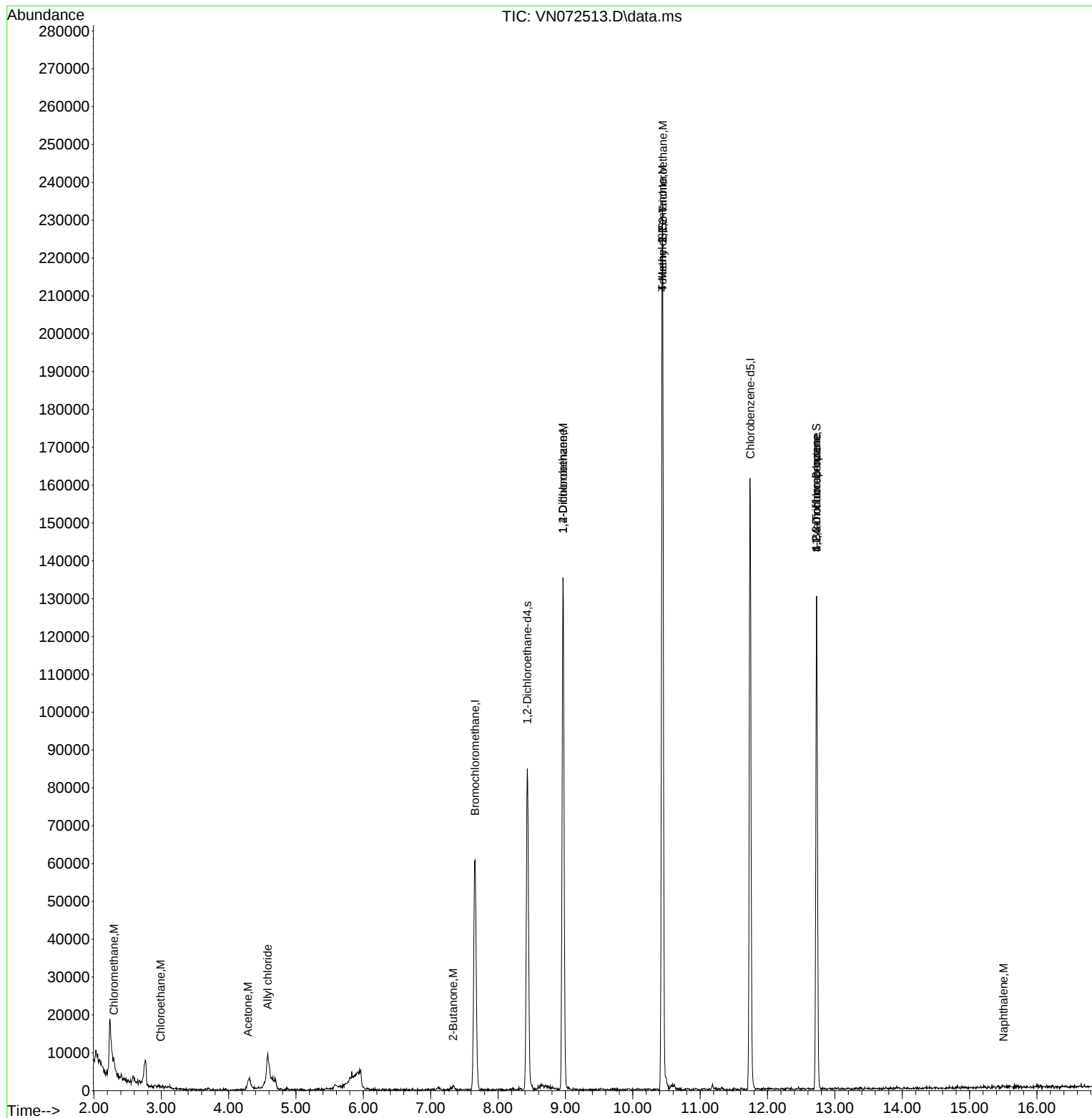
Internal Standards						
1) Bromochloromethane	7.657	128	22533	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	111453	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	95005	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	79766	31.459	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.867%
60) 4-Bromofluorobenzene	12.727	95	44121	23.785	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.267%
63) Toluene-d8	10.439	98	159955	30.843	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	375	0.222	ug/l #	40
6) Chloroethane	2.993	64	320	0.343	ug/l #	44
15) Acetone	4.287	58	754	2.941	ug/l #	5
17) Allyl chloride	4.581	41	1050	0.406	ug/l #	73
30) 2-Butanone	7.333	43	965	0.751	ug/l #	78
36) 1,2-Dichloroethane	8.963	62	4836	1.646	ug/l #	77
50) 1,1,2-Trichloroethane	10.445	97	5427	3.208	ug/l #	1
58) 4-Methyl-2-Pentanone	10.439	43	776	0.347	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	24617	11.972	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	24617	36.233	ug/l #	8
91) Naphthalene	15.504	128	206	7.801	ug/l #	68

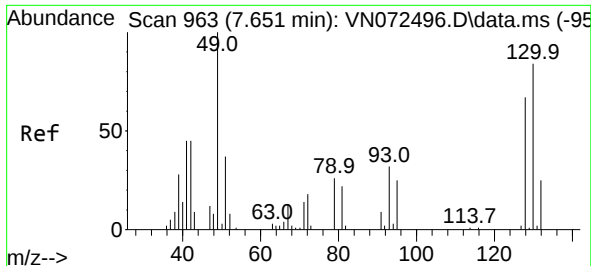
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FETWP-1

Quant Time: May 17 07:20:33 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

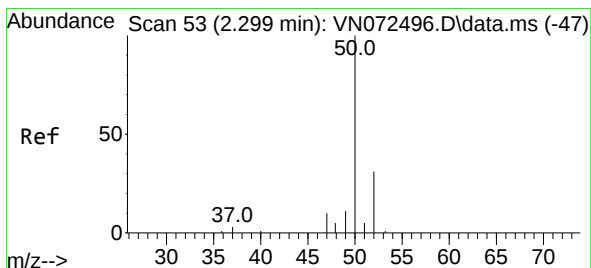
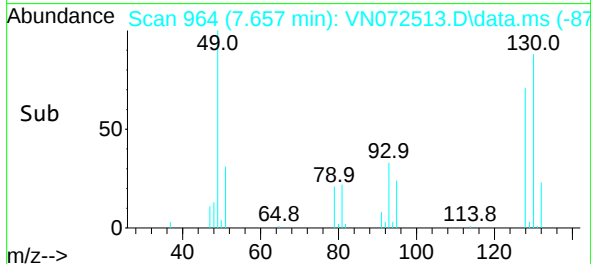
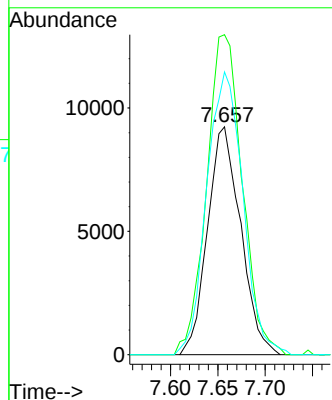
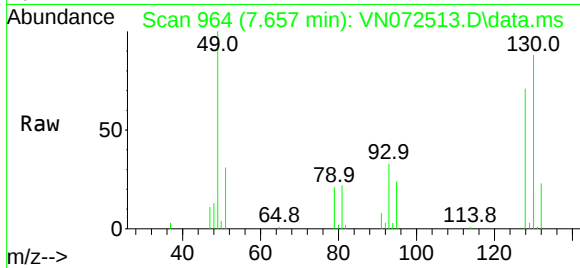




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

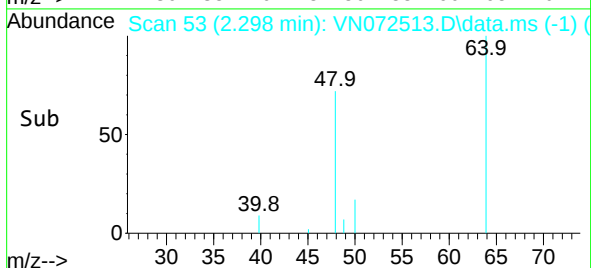
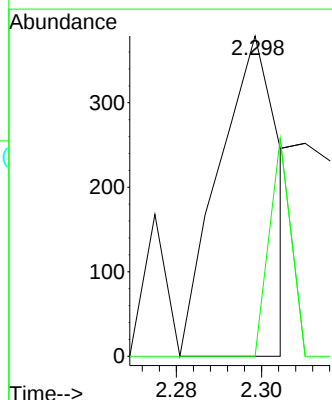
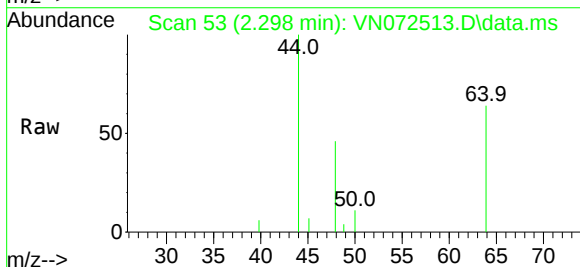
Instrument :
MSVOA_N
ClientSampleId :
FETWP-1

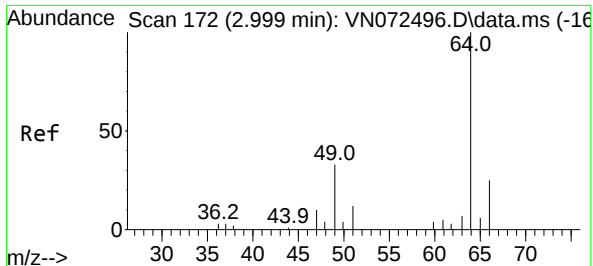
Tgt Ion:128 Resp: 22533
Ion Ratio Lower Upper
128 100
49 150.9 0.0 392.3
130 135.3 0.0 320.2



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

Tgt Ion: 50 Resp: 375
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

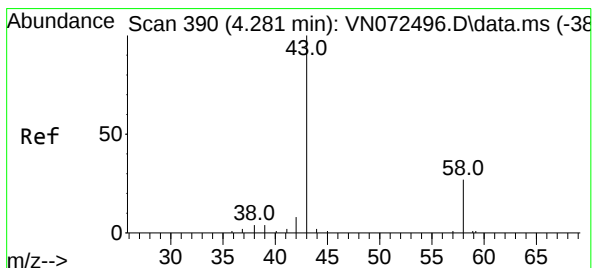
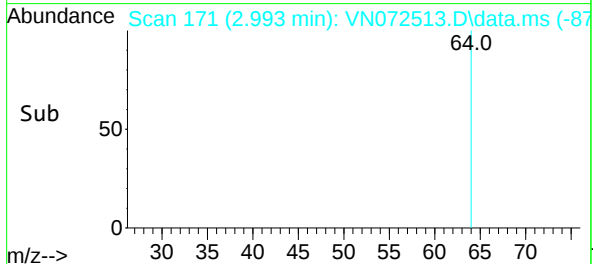
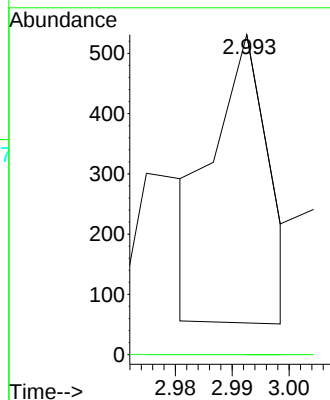
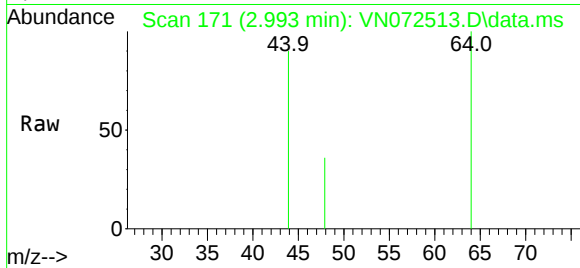




#6
Chloroethane
Concen: 0.343 ug/l
RT: 2.993 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

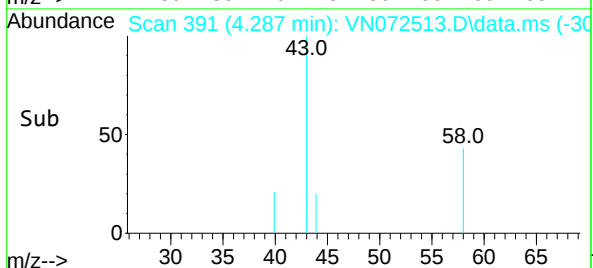
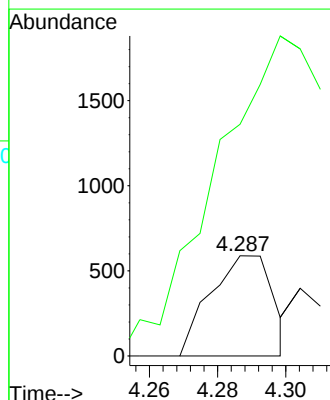
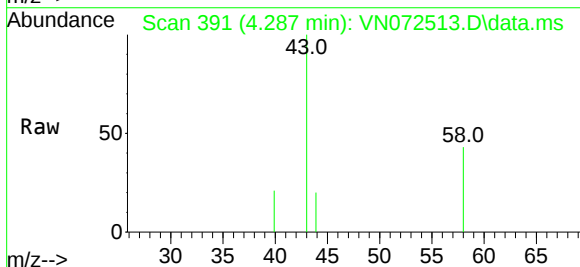
Instrument :
MSVOA_N
ClientSampleId :
FETWP-1

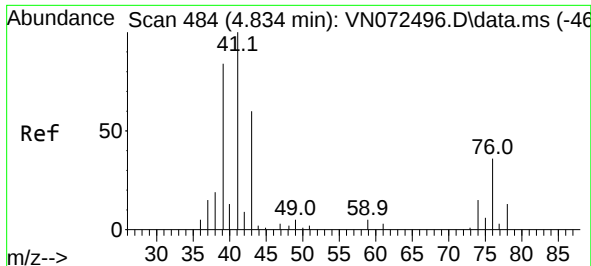
Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#15
Acetone
Concen: 2.941 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

Tgt Ion: 58 Resp: 754
Ion Ratio Lower Upper
58 100
43 126.0 256.6 384.8#

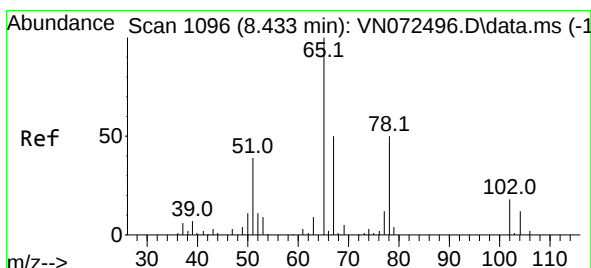
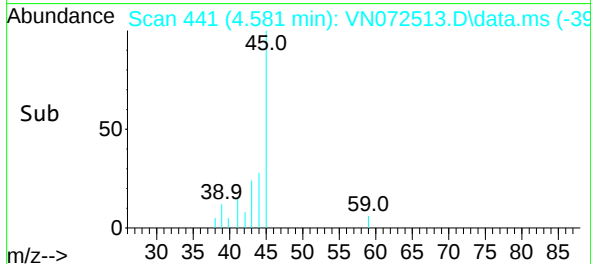
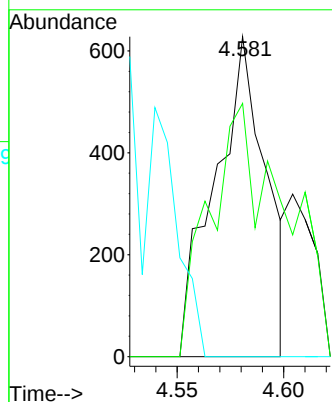
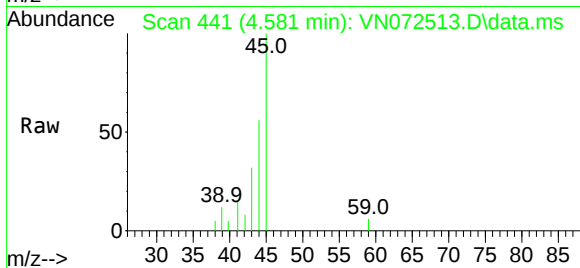




#17
 Allyl chloride
 Concen: 0.406 ug/l
 RT: 4.581 min Scan# 41
 Delta R.T. -0.253 min
 Lab File: VN072513.D
 Acq: 16 May 2022 20:09

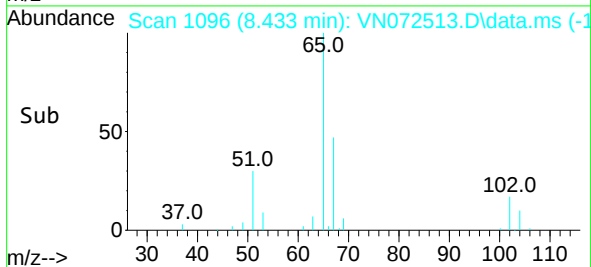
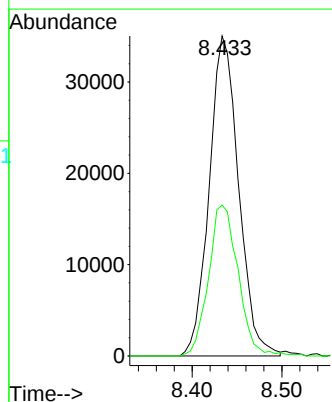
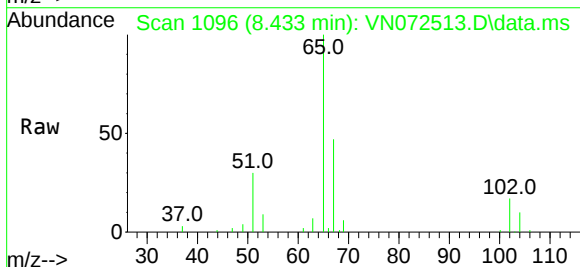
Instrument :
 MSVOA_N
 ClientSampleId :
 FETWP-1

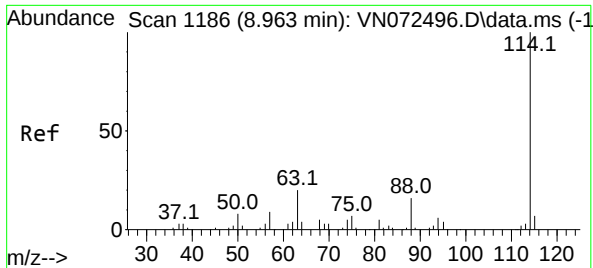
Tgt Ion: 41 Resp: 1050
 Ion Ratio Lower Upper
 41 100
 39 79.1 44.6 134.0
 76 0.0 19.6 58.7#



#27
 1,2-Dichloroethane-d4
 Concen: 31.459 ug/l
 RT: 8.433 min Scan# 1096
 Delta R.T. -0.000 min
 Lab File: VN072513.D
 Acq: 16 May 2022 20:09

Tgt Ion: 65 Resp: 79766
 Ion Ratio Lower Upper
 65 100
 67 47.5 40.2 60.2

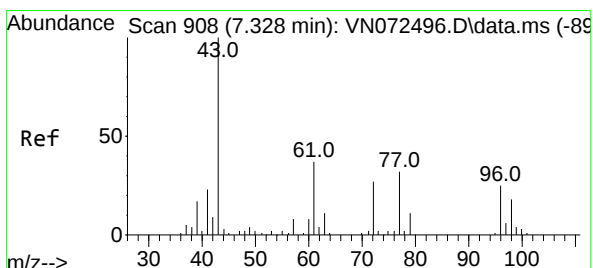
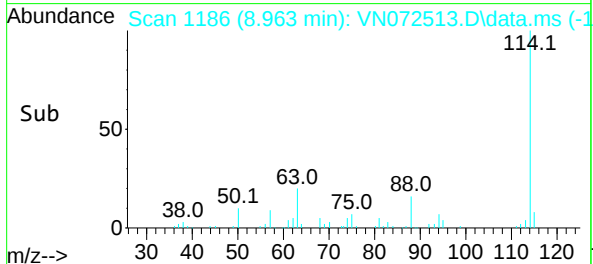
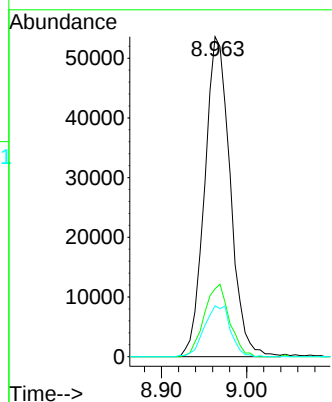
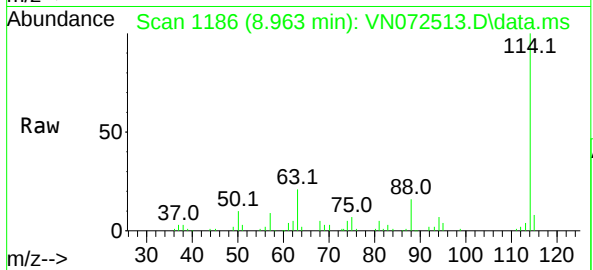




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

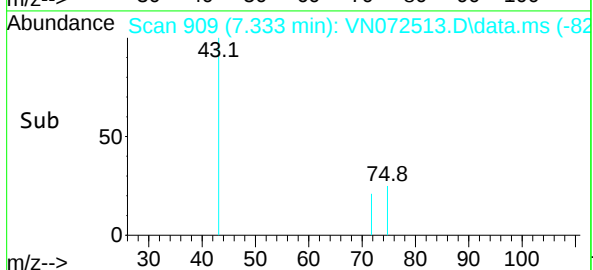
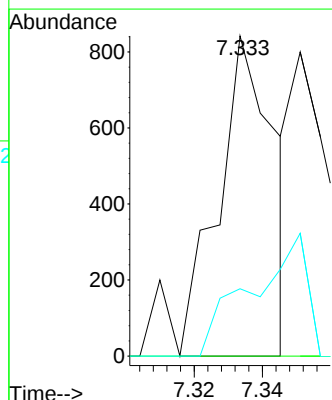
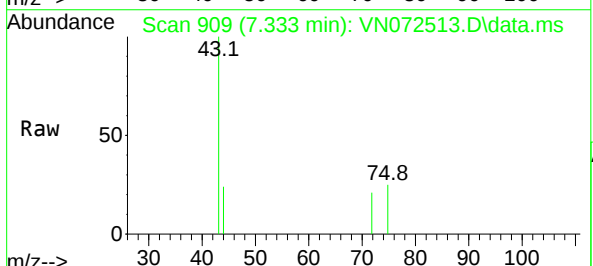
Instrument :
MSVOA_N
ClientSampleId :
FETWP-1

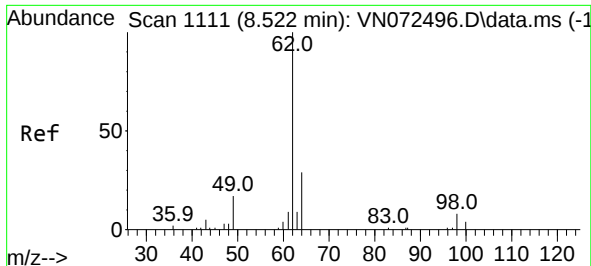
Tgt Ion:114 Resp: 111453
Ion Ratio Lower Upper
114 100
63 22.3 15.8 23.6
88 16.3 11.6 17.4



#30
2-Butanone
Concen: 0.751 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 17.7 23.2 34.8#





#36

1,2-Dichloroethane

Concen: 1.646 ug/l

RT: 8.963 min Scan# 1111

Delta R.T. 0.441 min

Lab File: VN072513.D

Acq: 16 May 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

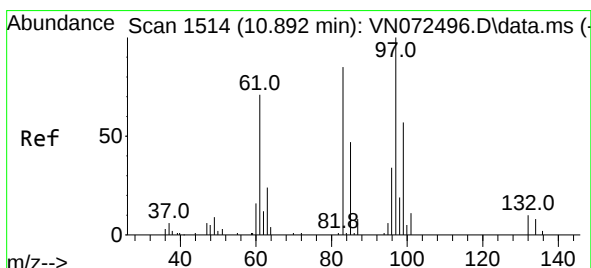
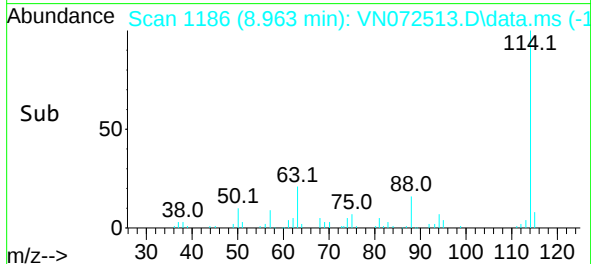
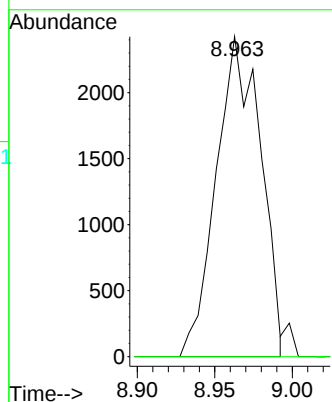
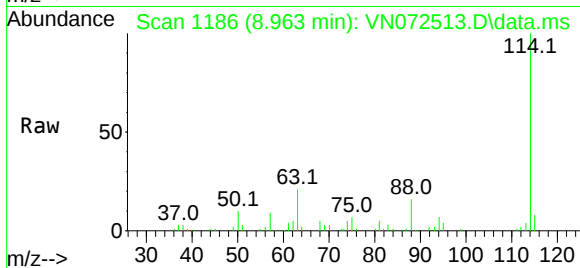
FETWP-1

Tgt Ion: 62 Resp: 4836

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 3.208 ug/l

RT: 10.445 min Scan# 1438

Delta R.T. -0.447 min

Lab File: VN072513.D

Acq: 16 May 2022 20:09

Tgt Ion: 97 Resp: 5427

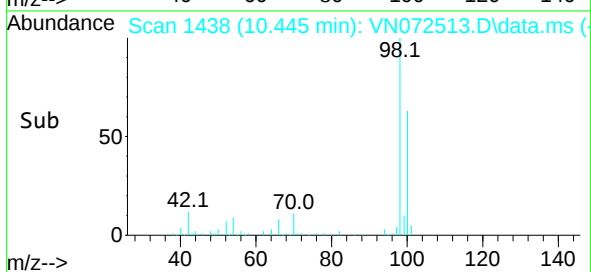
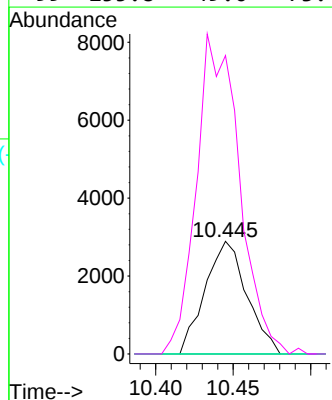
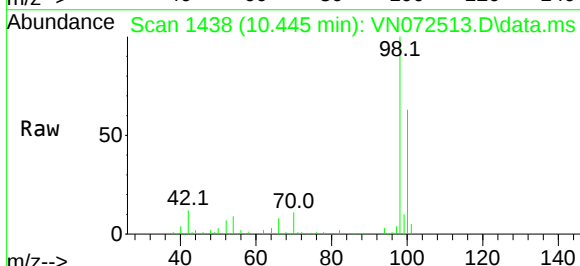
Ion Ratio Lower Upper

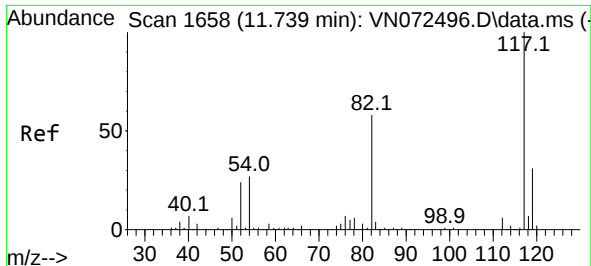
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 255.8 49.0 73.4#

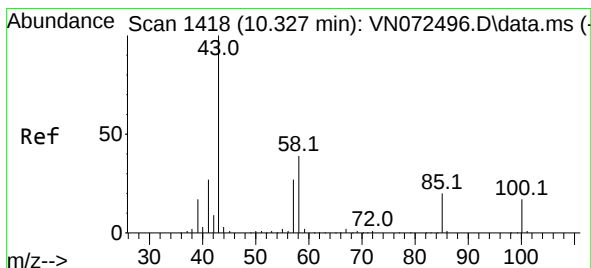
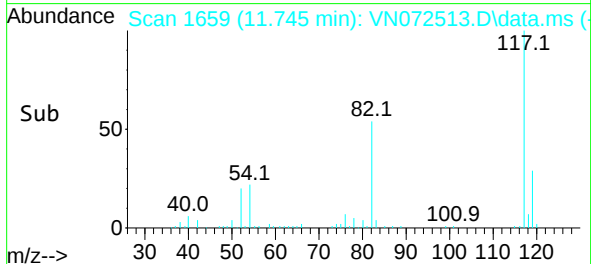
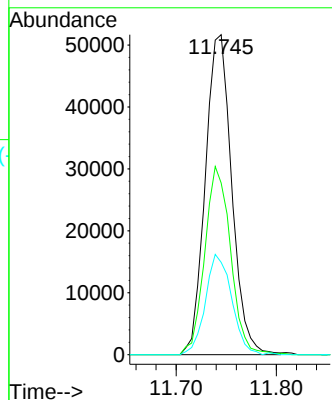
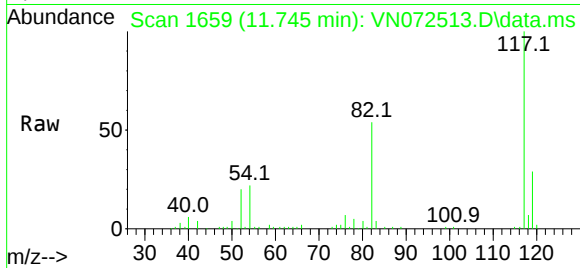




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

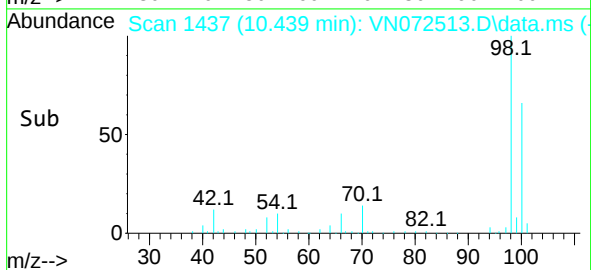
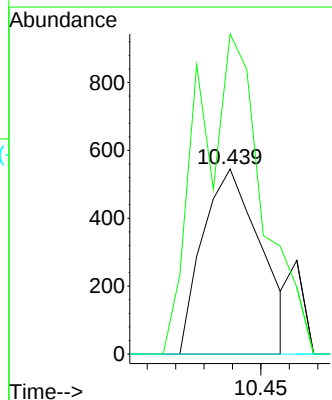
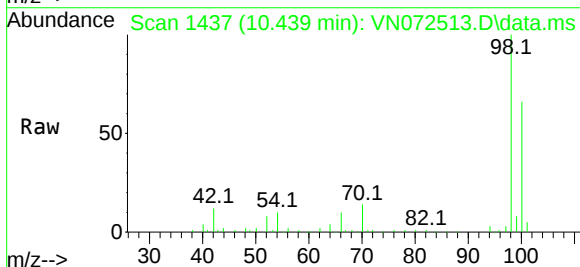
Instrument :
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FETWP-1

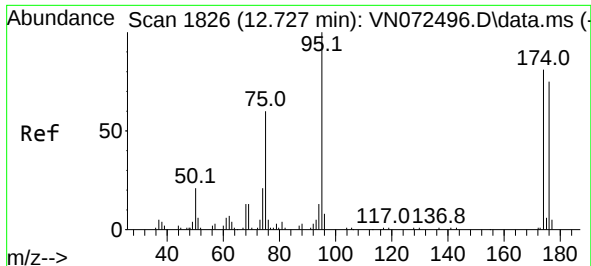
Tgt Ion:117 Resp: 95005
Ion Ratio Lower Upper
117 100
82 57.4 43.6 65.4
119 31.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.347 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.112 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 191.8 30.0 45.0#
85 0.0 15.0 22.6#

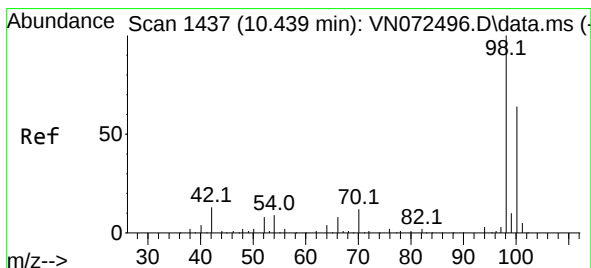
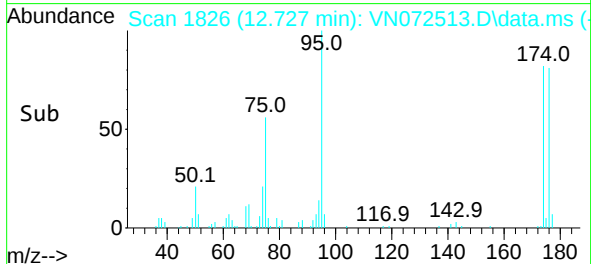
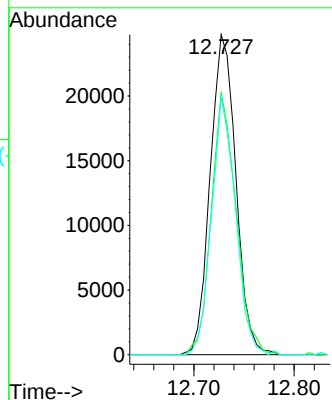
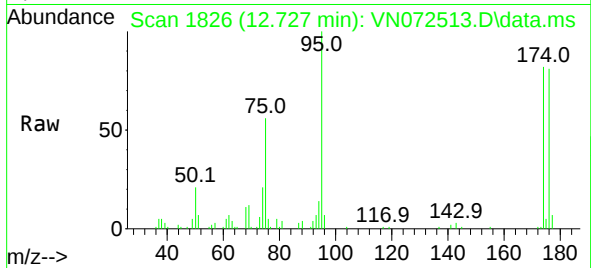




#60
4-Bromofluorobenzene
Concen: 23.785 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

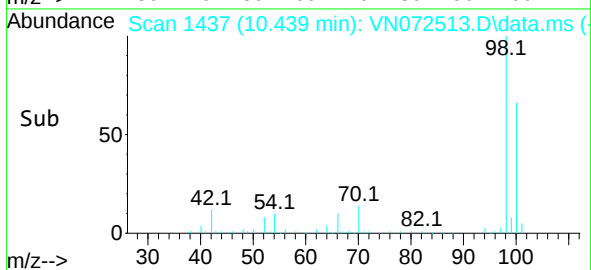
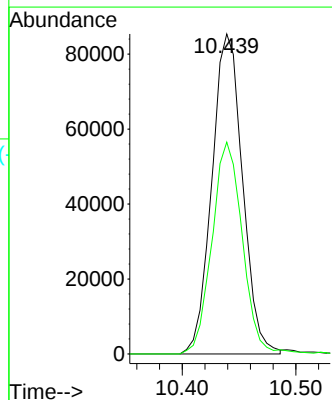
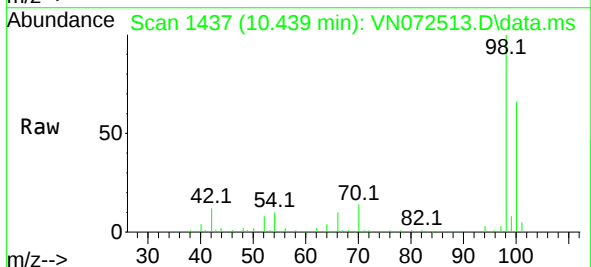
Instrument :
MSVOA_N
ClientSampleId :
FETWP-1

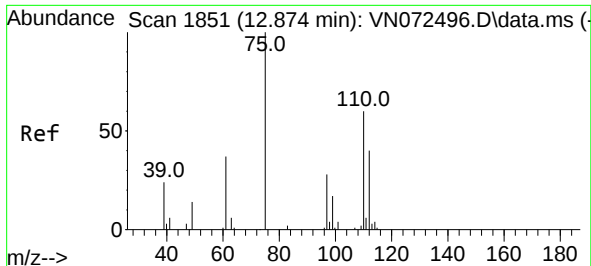
Tgt Ion: 95 Resp: 44121
Ion Ratio Lower Upper
95 100
174 79.2 62.9 94.3
176 74.8 61.0 91.4



#63
Toluene-d8
Concen: 30.843 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

Tgt Ion: 98 Resp: 159955
Ion Ratio Lower Upper
98 100
100 65.0 50.6 76.0

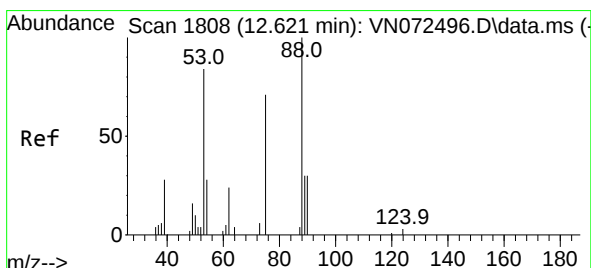
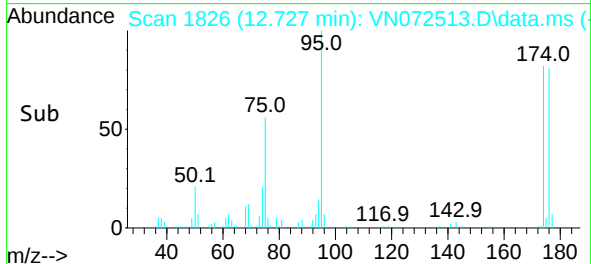
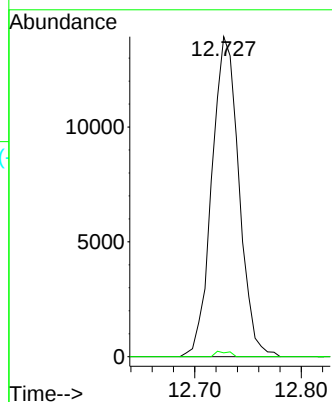
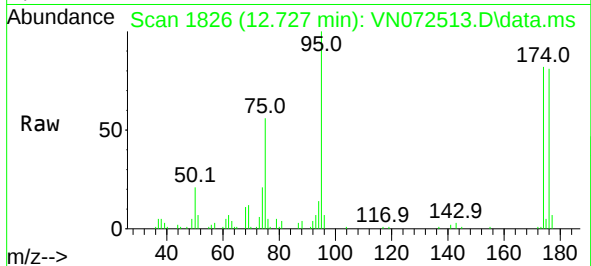




#72
1,2,3-Trichloropropane
Concen: 11.972 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

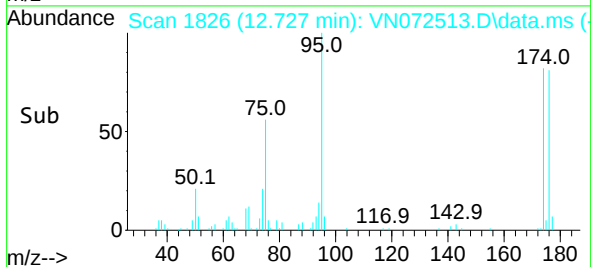
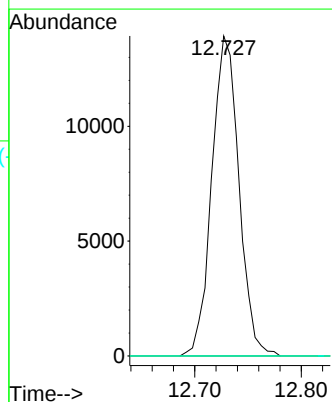
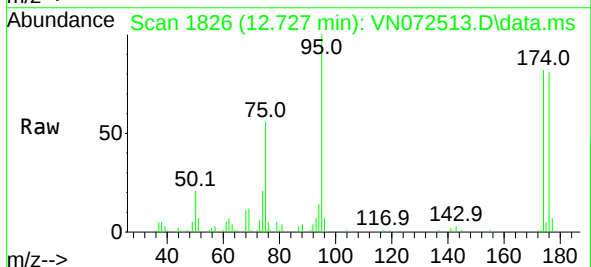
Instrument :
MSVOA_N
ClientSampleId :
FETWP-1

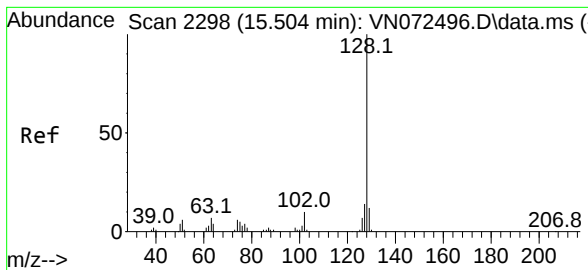
Tgt Ion: 75 Resp: 24617
Ion Ratio Lower Upper
75 100
77 0.9 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 36.233 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

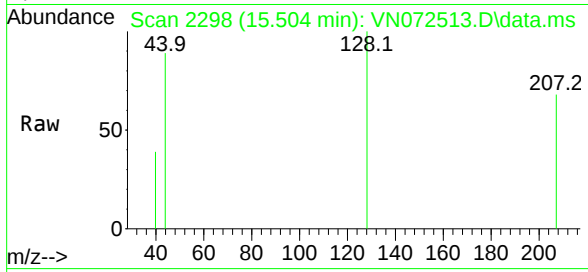
Tgt Ion: 75 Resp: 24617
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 7.801 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072513.D
Acq: 16 May 2022 20:09

Instrument :
MSVOA_N
ClientSampleId :
FETWP-1



Tgt Ion:	128	Resp:	206
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.6#

