

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\
 Data File : VN063140.D
 Acq On : 26 Aug 2020 18:11
 Operator : JC/MD
 Sample : L3792-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Quant Time: Aug 27 12:18:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	161395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	270492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	275773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132847	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	98636	51.57	ug/l	0.00
Spiked Amount						
			Recovery	=	103.14%	
35) Dibromofluoromethane	7.55	113	86705	49.19	ug/l	0.00
Spiked Amount						
			Recovery	=	98.38%	
50) Toluene-d8	10.06	98	344490	50.89	ug/l	0.00
Spiked Amount						
			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.38	95	133420	55.85	ug/l	0.00
Spiked Amount						
			Recovery	=	111.70%	

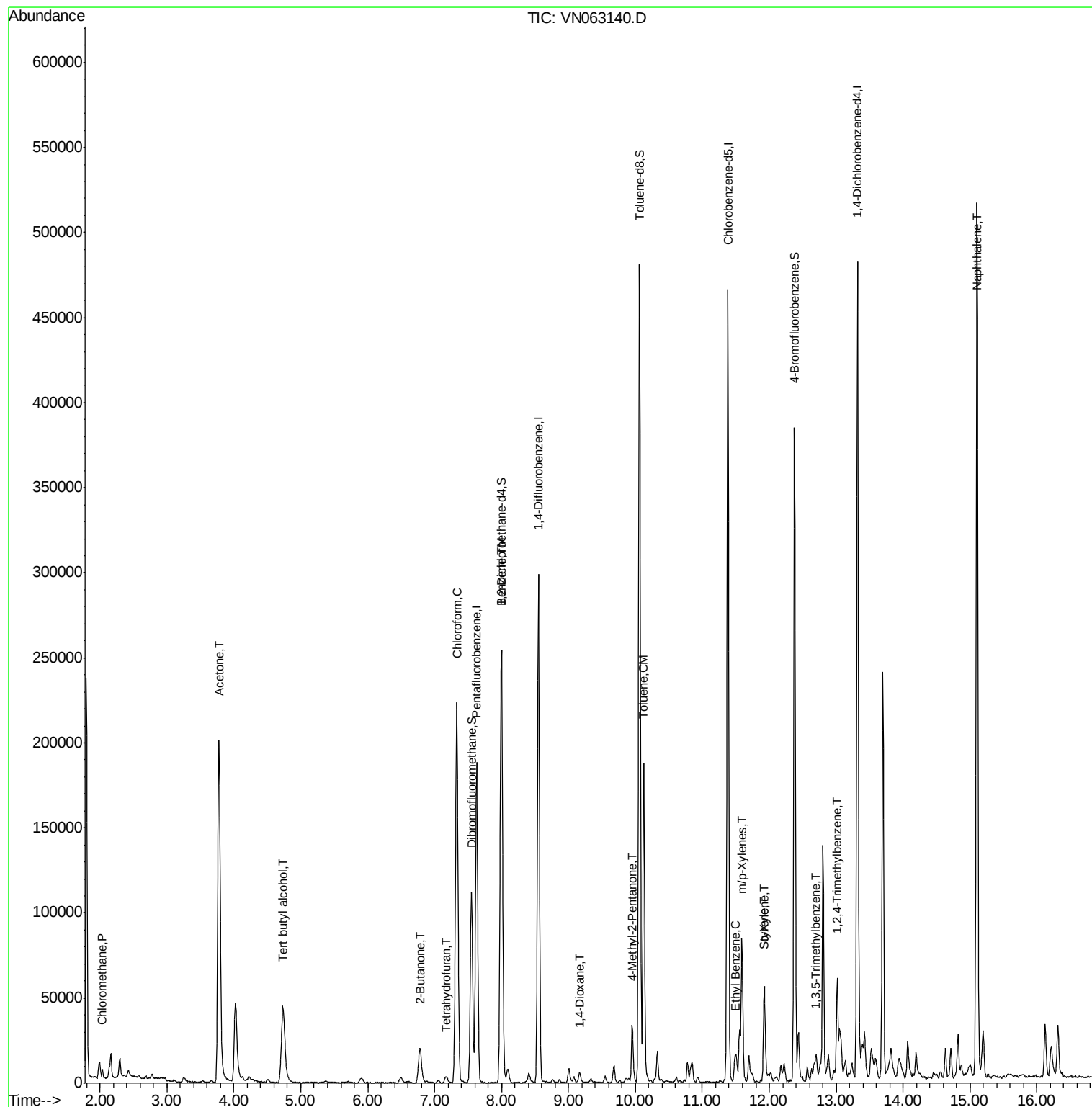
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	4430	2.002	ug/l	98
11) Tert butyl alcohol	4.73	59	90112	332.585	ug/l	99
16) Acetone	3.78	43	346355	585.922	ug/l	99
25) 2-Butanone	6.79	43	15741	15.500	ug/l	96
29) Tetrahydrofuran	7.17	42	2368	3.613	ug/l #	86
30) Chloroform	7.33	83	245358	79.535	ug/l	98
40) Benzene	8.00	78	186604	24.682	ug/l	100
49) 1,4-Dioxane	9.17	88	3775	111.777	ug/l #	83
51) 4-Methyl-2-Pentanone	9.95	43	25127	10.743	ug/l	96
52) Toluene	10.12	92	82802	18.156	ug/l	98
67) Ethyl Benzene	11.49	91	15673	1.675	ug/l	98
68) m/p-Xylenes	11.59	106	26990	7.760	ug/l	98
69) o-Xylene	11.92	106	13716	4.106	ug/l	94
70) Styrene	11.94	104	11210	3.550	ug/l	88
80) 1,3,5-Trimethylbenzene	12.71	105	4722	0.628	ug/l	93
84) 1,2,4-Trimethylbenzene	13.02	105	34600	4.723	ug/l	96
95) Naphthalene	15.10	128	443717	79.908	ug/l	99

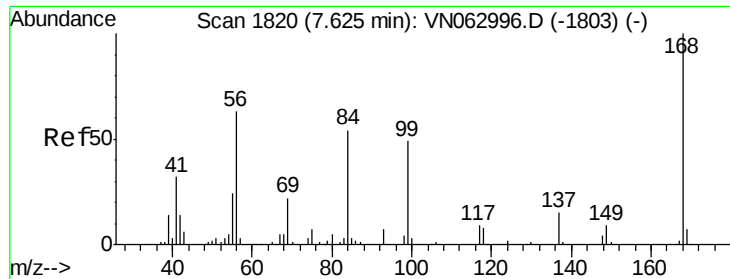
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

Instrument :

MSVOA_N

ClientSampled :

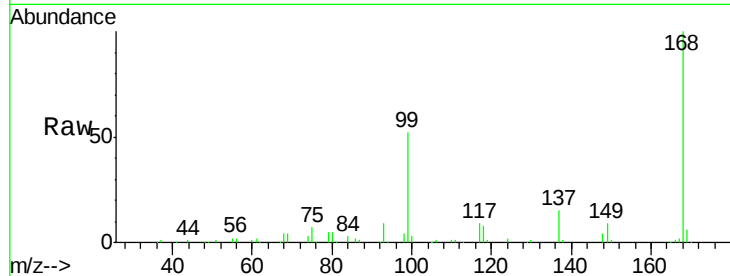
COMP-2

Tot Ion:168 Resp: 161395

Ion Ratio Lower Upper

168 100

99 52.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

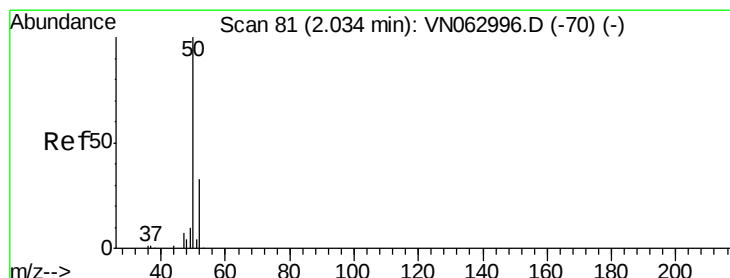
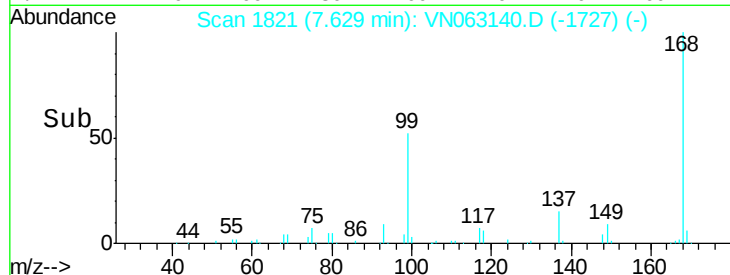
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 2.002 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063140.D

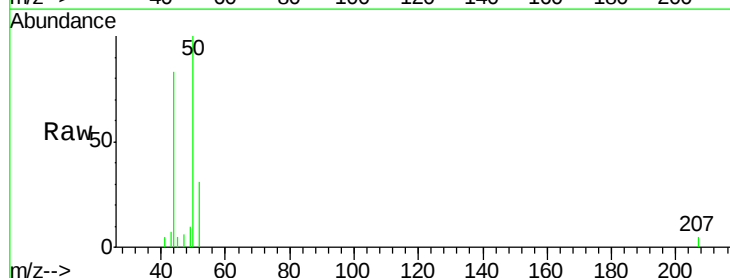
Acq: 26 Aug 2020 18:11

Tgt Ion: 50 Resp: 4430

Ion Ratio Lower Upper

50 100

52 31.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

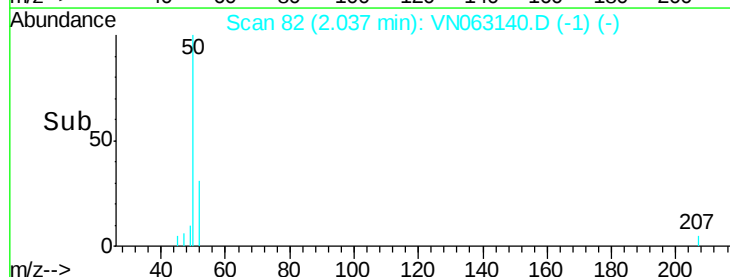
3000

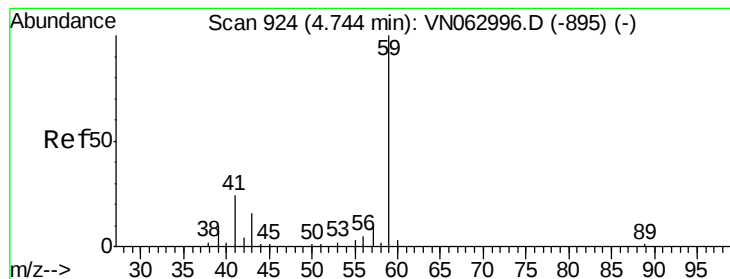
2000

1000

0

Time--> 2.00 2.05



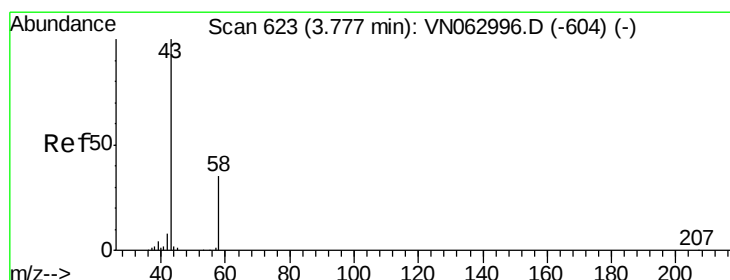
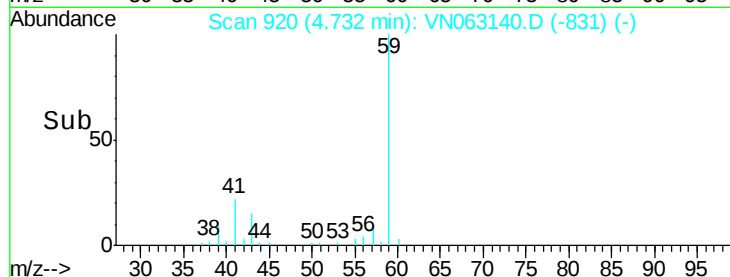
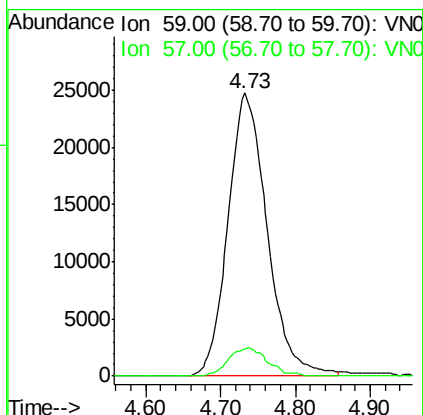
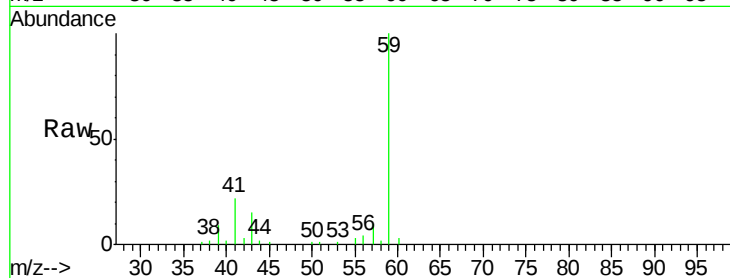


#11

Tert butyl alcohol
 Concen: 332.585 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN063140.D
 Acq: 26 Aug 2020 18:11

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-2

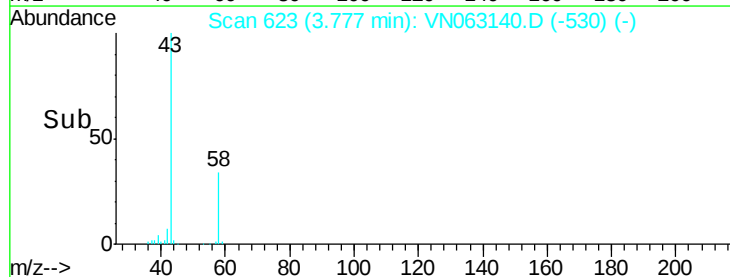
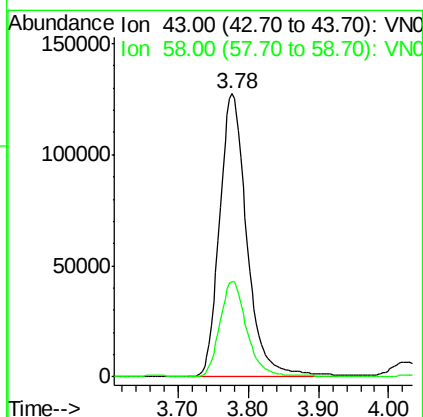
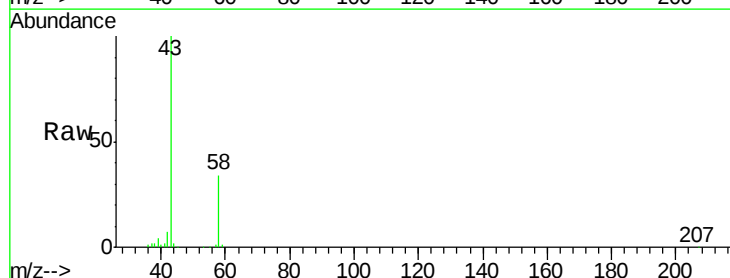
Tot Ion: 59 Resp: 90112
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.6

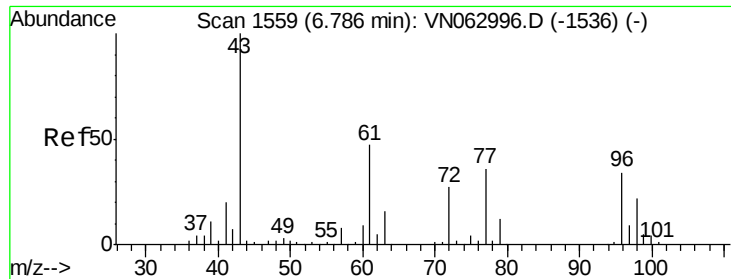


#16

Acetone
 Concen: 585.922 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN063140.D
 Acq: 26 Aug 2020 18:11

Tgt Ion: 43 Resp: 346355
 Ion Ratio Lower Upper
 43 100
 58 33.8 27.8 41.6

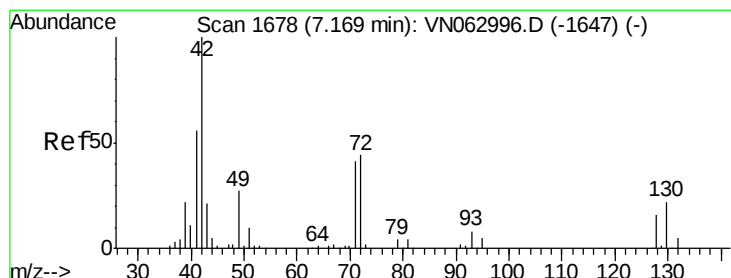
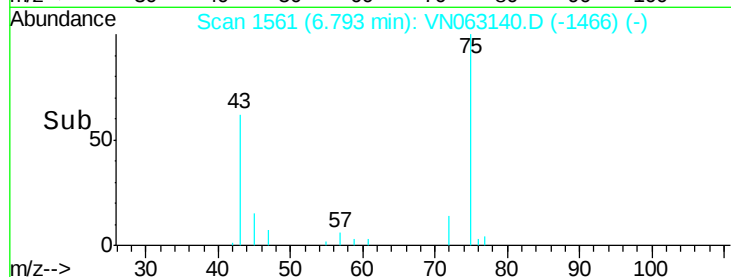
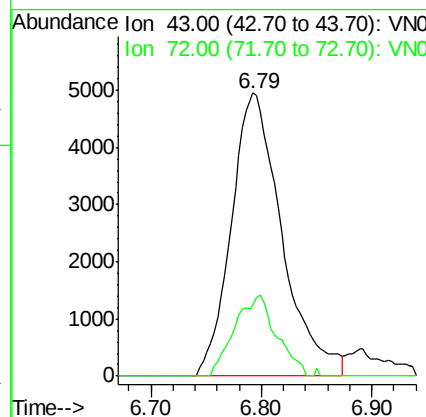
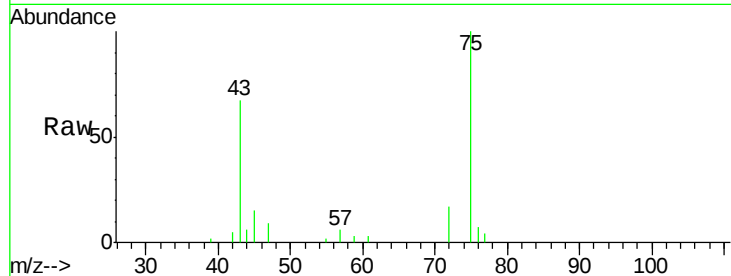




#25
2-Butanone
Concen: 15.500 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

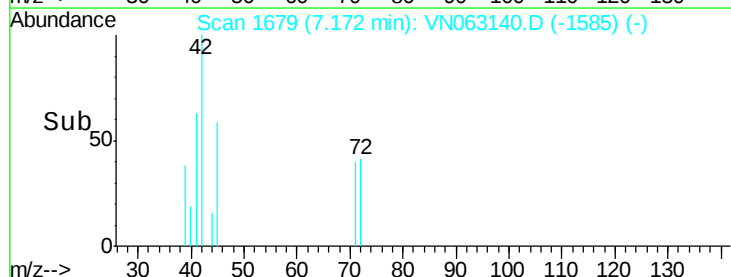
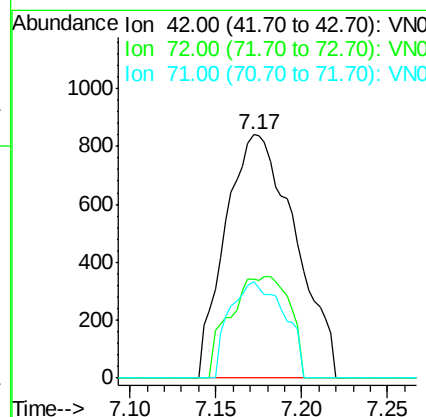
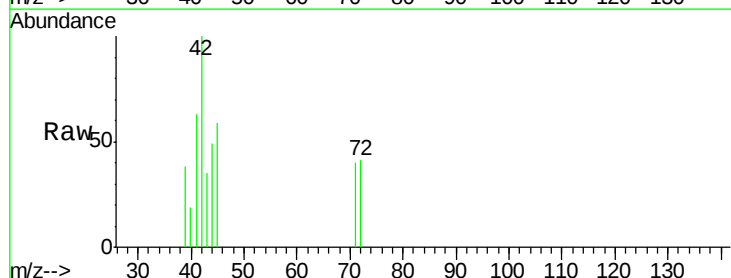
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

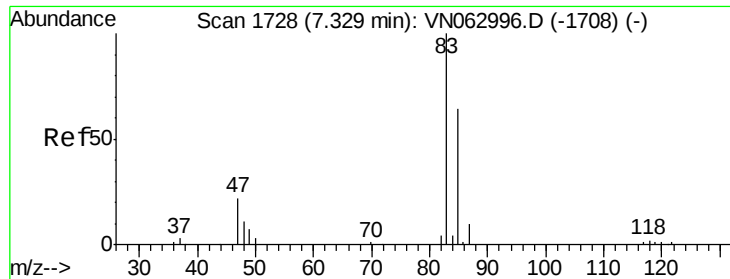
Tot Ion: 43 Resp: 15741
Ion Ratio Lower Upper
43 100
72 25.1 21.8 32.6



#29
Tetrahydrofuran
Concen: 3.613 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Tgt Ion: 42 Resp: 2368
Ion Ratio Lower Upper
42 100
72 35.6 34.6 52.0
71 30.9 32.3 48.5#

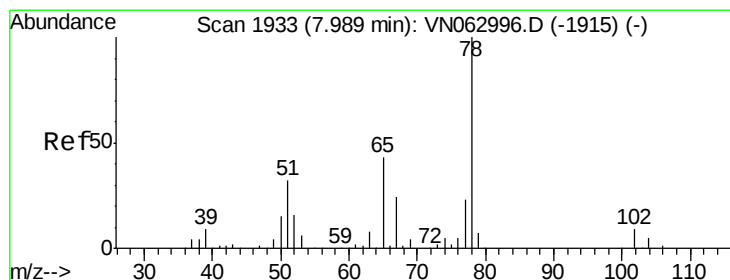
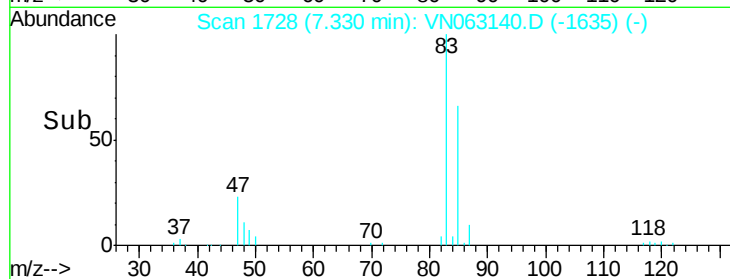
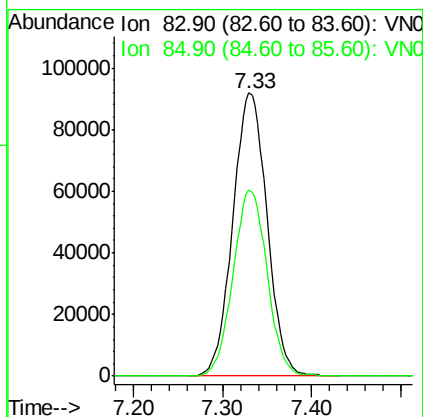
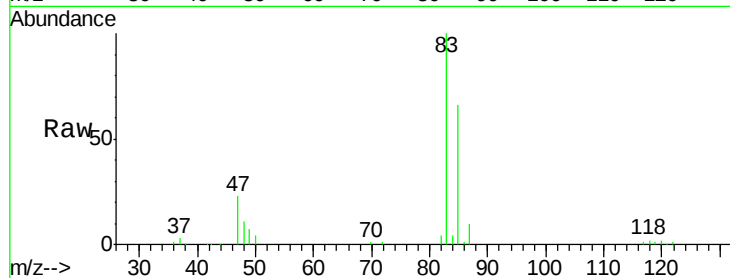




#30
Chloroform
Concen: 79.535 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

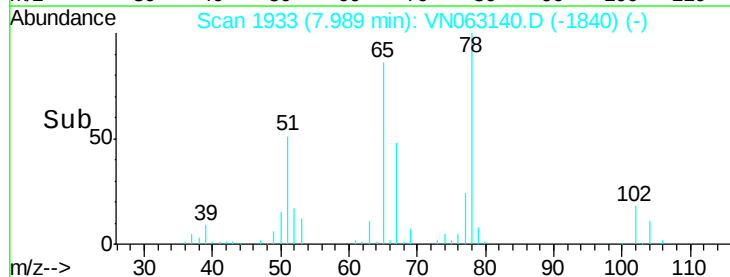
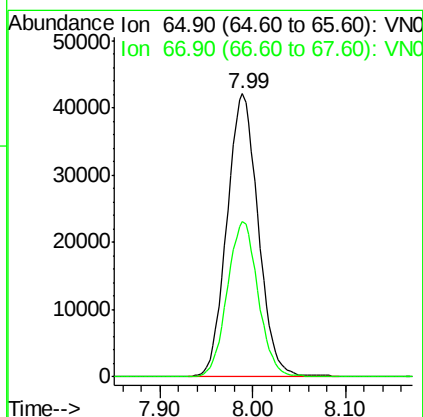
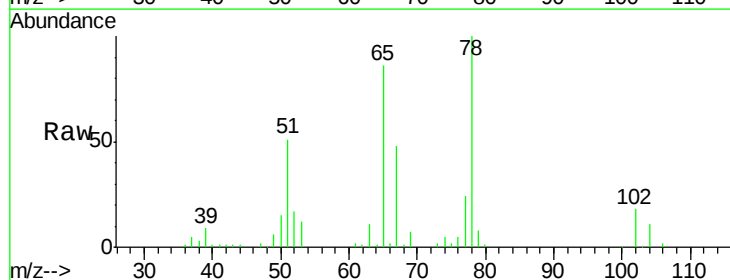
Instrument :
MSVOA_N
ClientSampled :
COMP-2

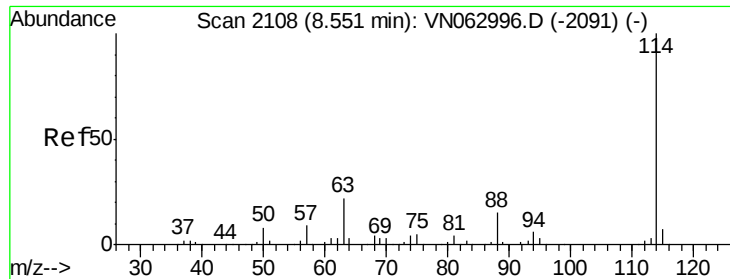
Tot Ion: 83 Resp: 245358
Ion Ratio Lower Upper
83 100
85 65.7 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 51.565 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Tgt Ion: 65 Resp: 98636
Ion Ratio Lower Upper
65 100
67 54.2 0.0 112.0

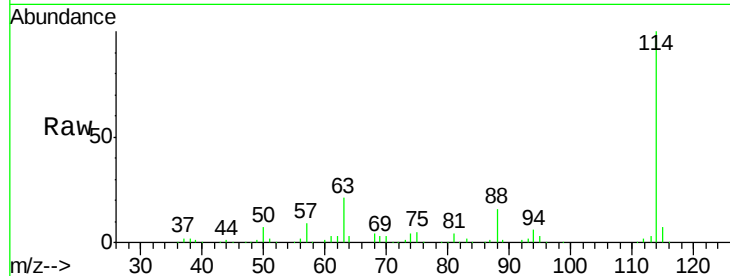




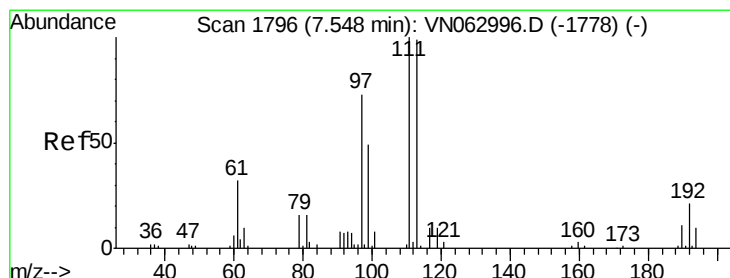
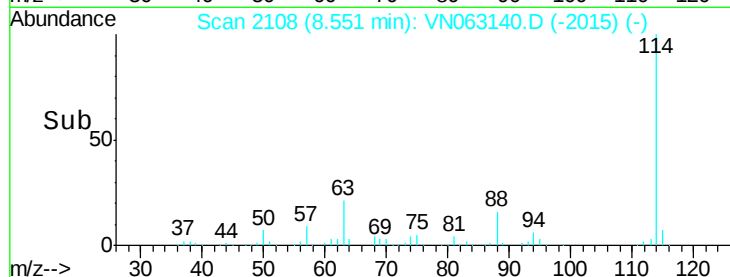
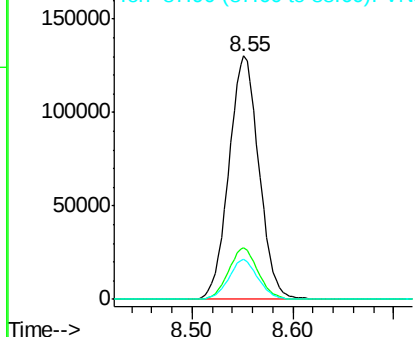
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063140.D
 Acq: 26 Aug 2020 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	16.3	0.0	30.6

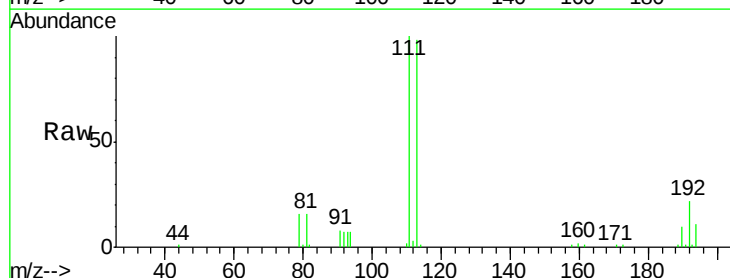


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

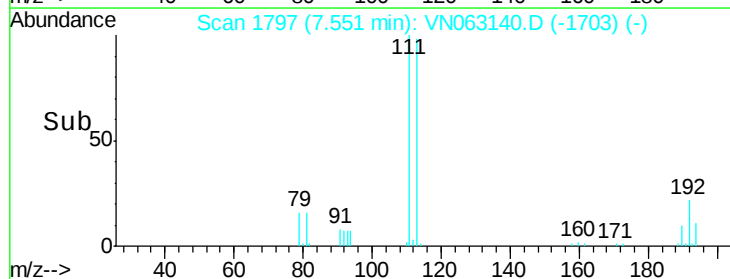
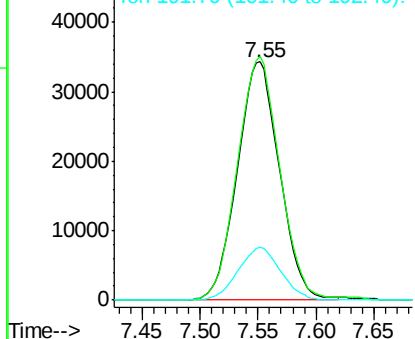


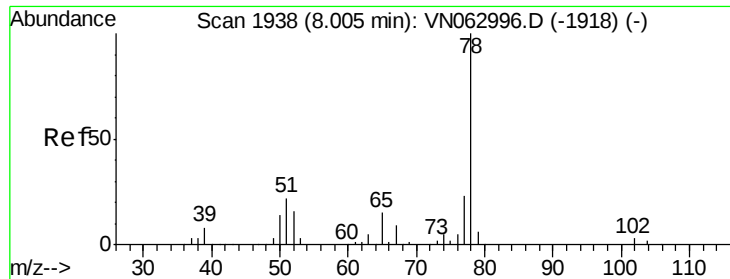
#35
 Dibromofluoromethane
 Concen: 49.194 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063140.D
 Acq: 26 Aug 2020 18:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	22.3	17.5	26.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 24.682 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

Instrument :

MSVOA_N

ClientSampled :

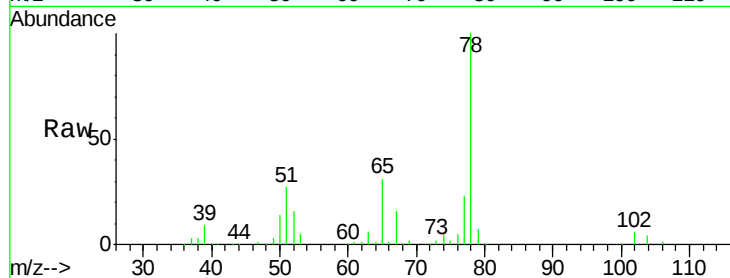
COMP-2

Tot Ion: 78 Resp: 186604

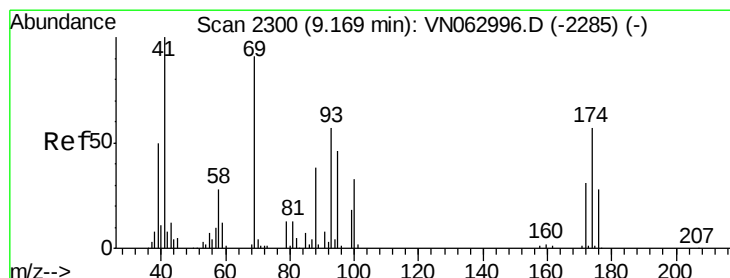
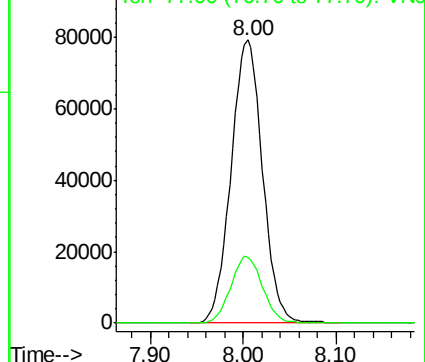
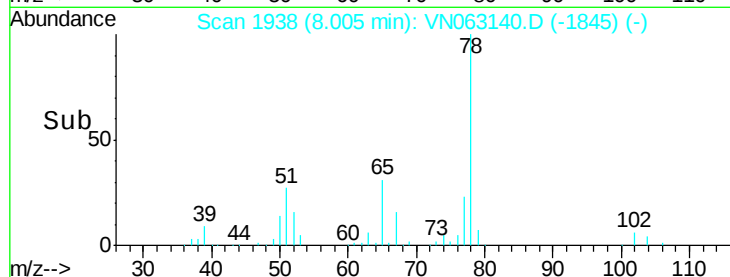
Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN063140.D (-1845) (-)



#49

1,4-Dioxane

Concen: 111.777 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

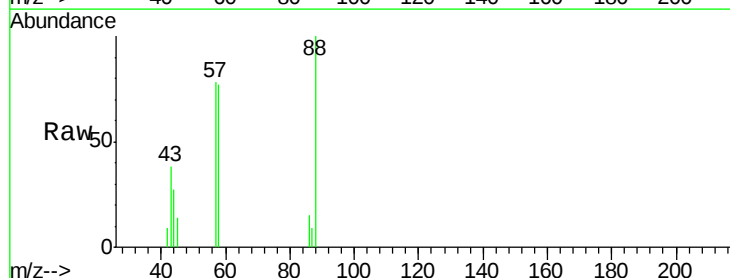
Tgt Ion: 88 Resp: 3775

Ion Ratio Lower Upper

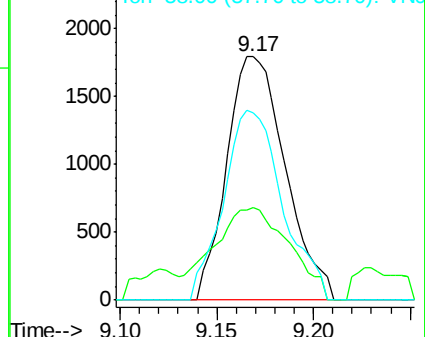
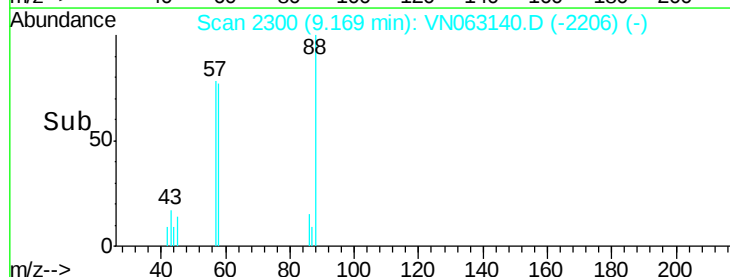
88 100

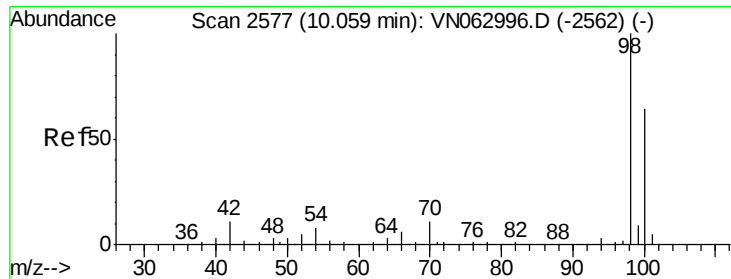
43 49.7 25.2 37.8#

58 78.6 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VN063140.D (-2206) (-)





#50

Toluene-d8

Concen: 50.885 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

Instrument :

MSVOA_N

ClientSampleId :

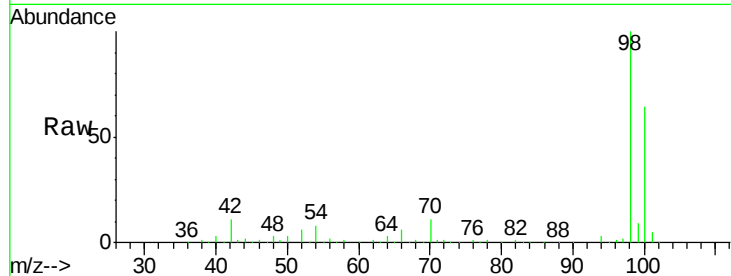
COMP-2

Tot Ion: 98 Resp: 344490

Ion Ratio Lower Upper

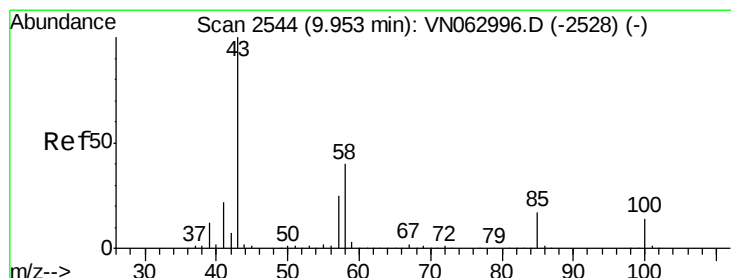
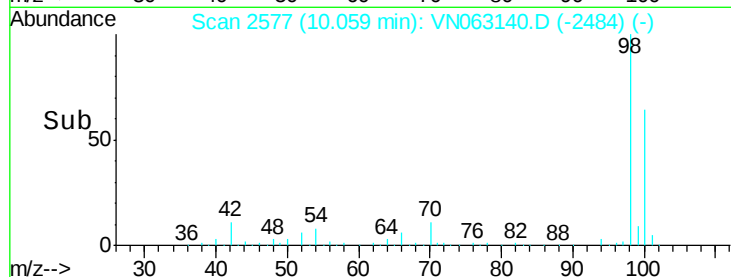
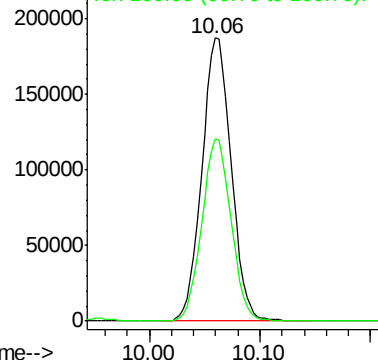
98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 10.743 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063140.D

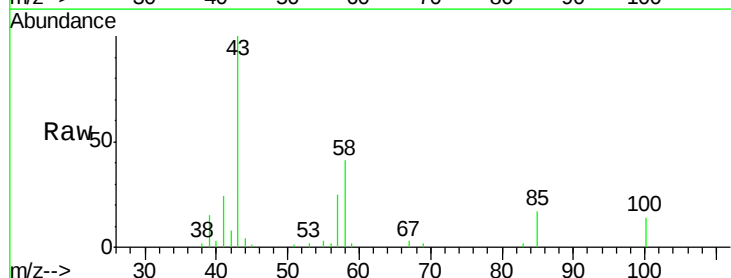
Acq: 26 Aug 2020 18:11

Tgt Ion: 43 Resp: 25127

Ion Ratio Lower Upper

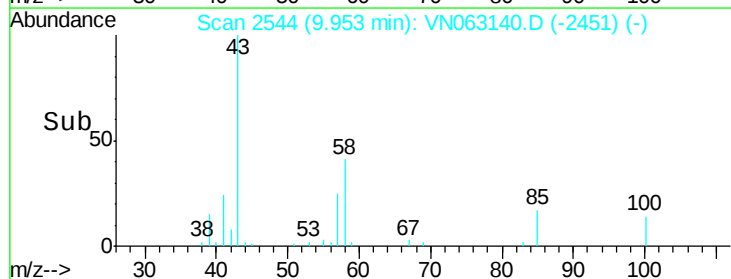
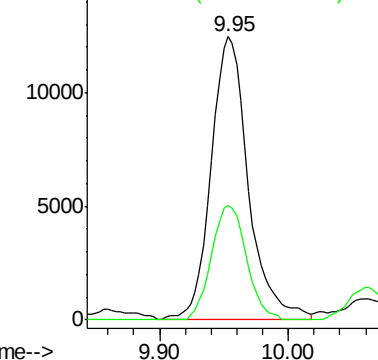
43 100

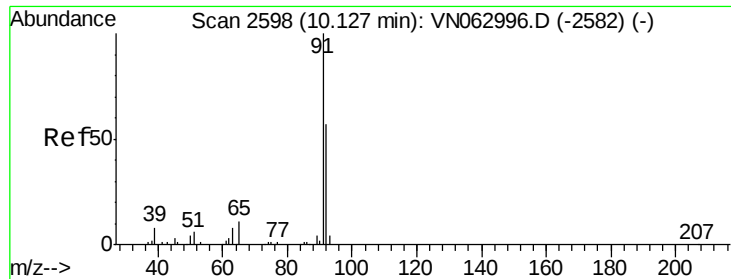
58 37.8 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 18.156 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

Instrument :

MSVOA_N

ClientSampleId :

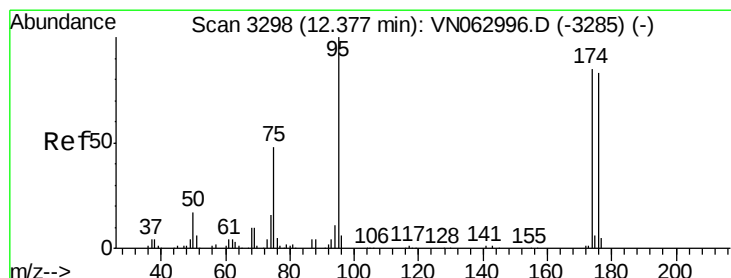
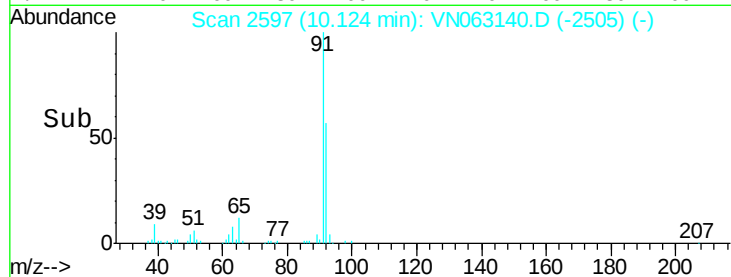
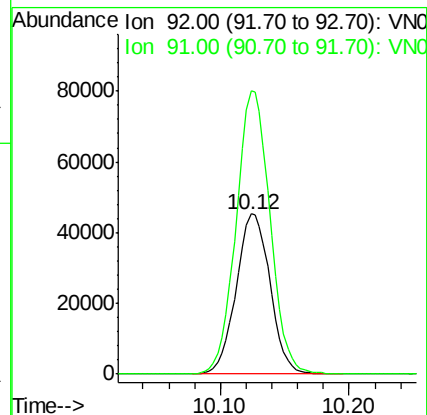
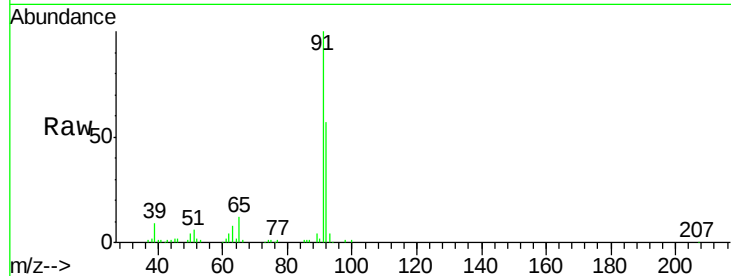
COMP-2

Tot Ion: 92 Resp: 82802

Ion Ratio Lower Upper

92 100

91 177.0 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 55.848 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

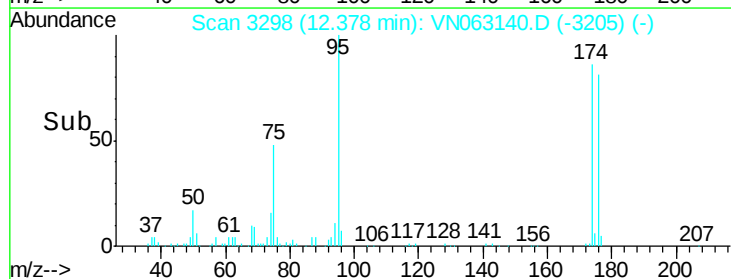
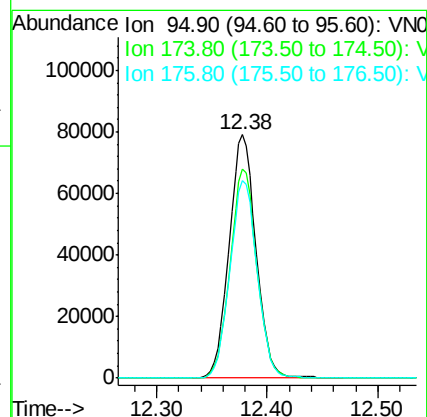
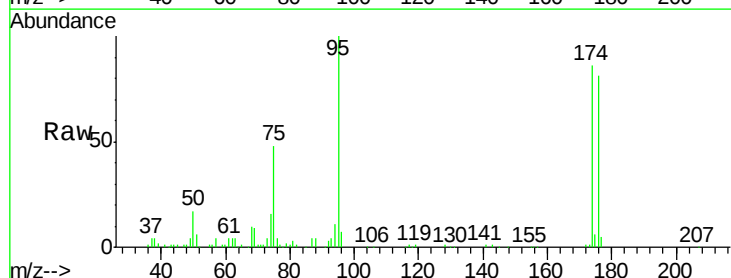
Tgt Ion: 95 Resp: 133420

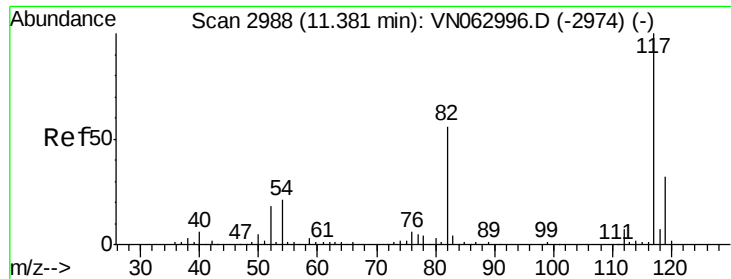
Ion Ratio Lower Upper

95 100

174 85.5 0.0 170.8

176 82.1 0.0 164.8

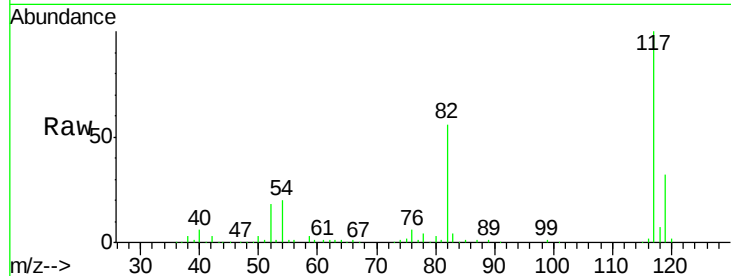




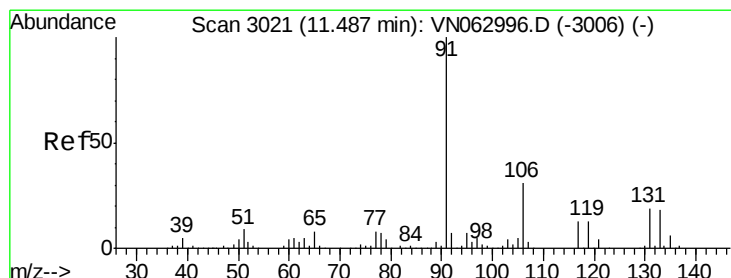
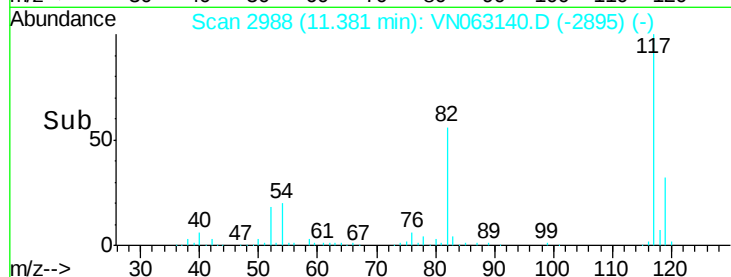
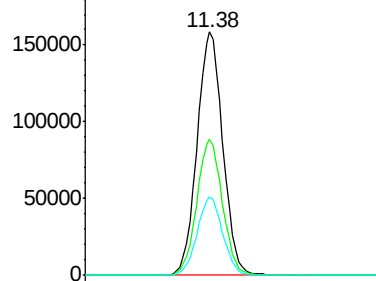
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion:117 Resp: 275773
Ion Ratio Lower Upper
117 100
82 56.0 44.5 66.7
119 32.3 25.5 38.3

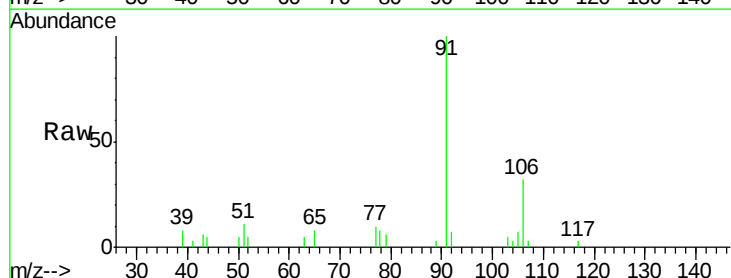


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

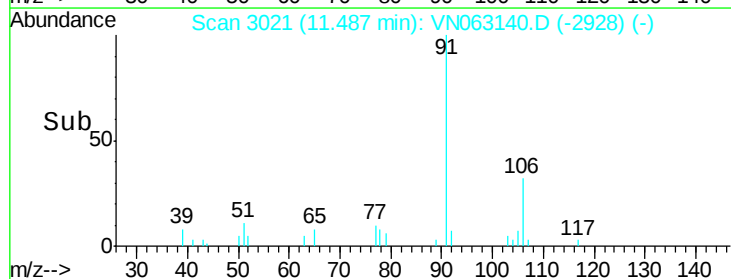
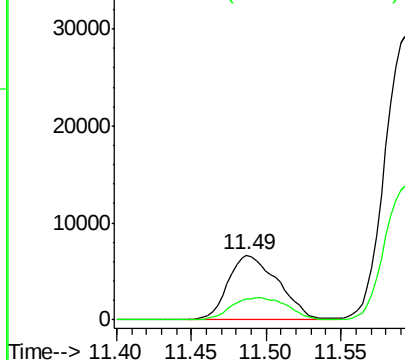


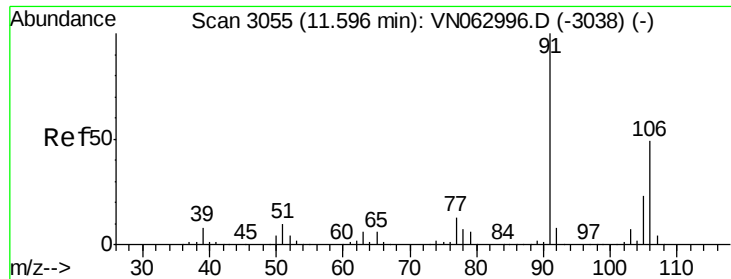
#67
Ethyl Benzene
Concen: 1.675 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Tgt Ion: 91 Resp: 15673
Ion Ratio Lower Upper
91 100
106 32.2 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

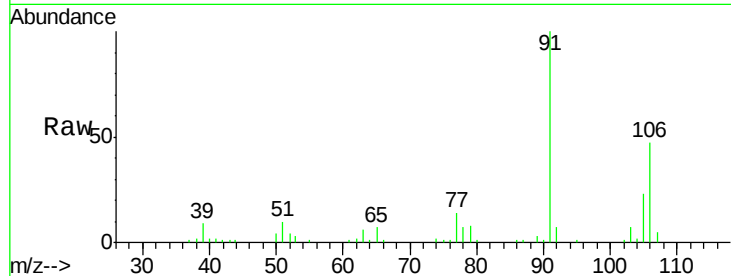




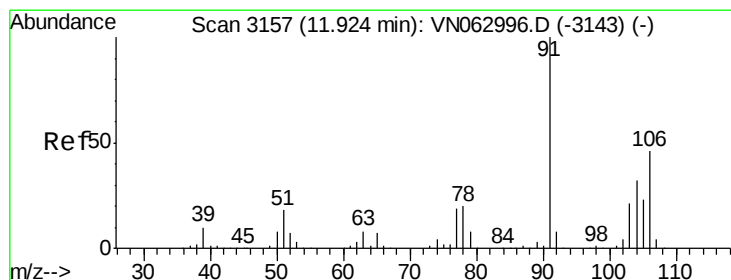
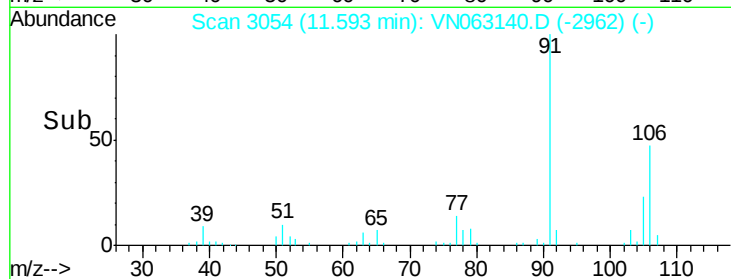
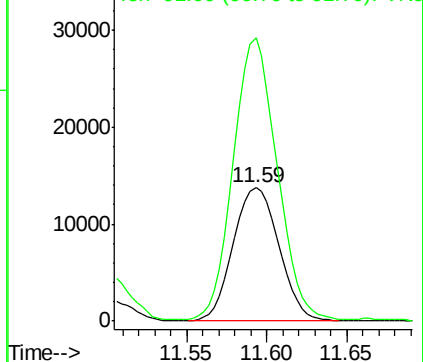
#68
m/p-Xylenes
Concen: 7.760 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion:106 Resp: 26990
Ion Ratio Lower Upper
106 100
91 200.3 163.0 244.4

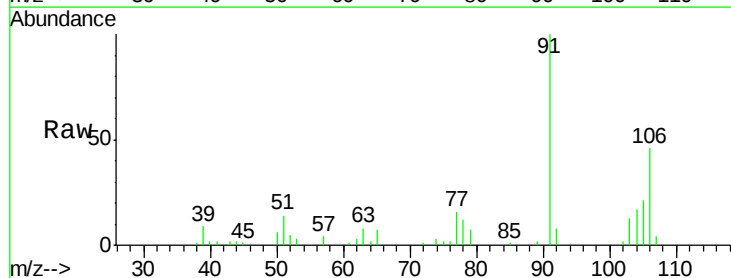


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

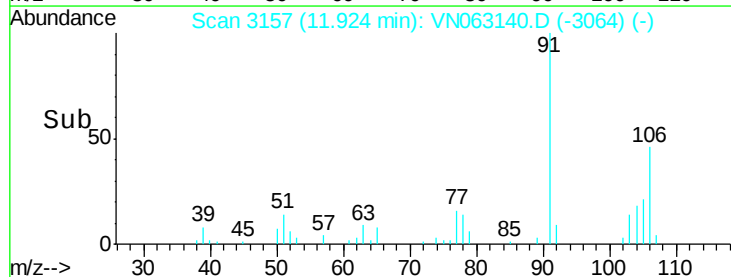
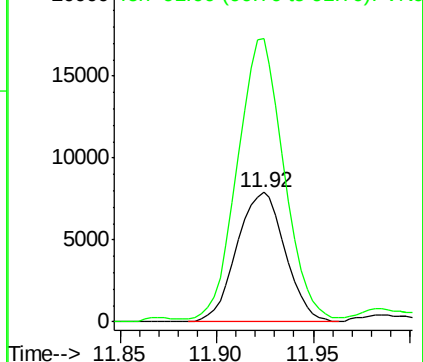


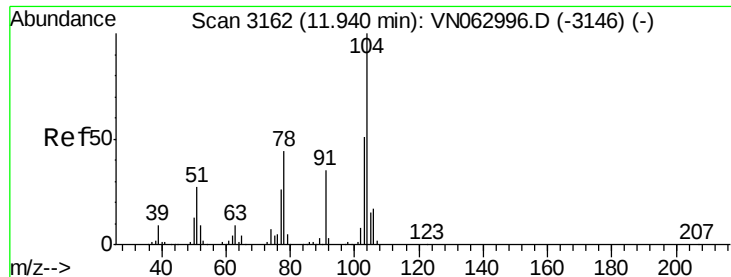
#69
o-Xylene
Concen: 4.106 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Tgt Ion:106 Resp: 13716
Ion Ratio Lower Upper
106 100
91 205.7 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

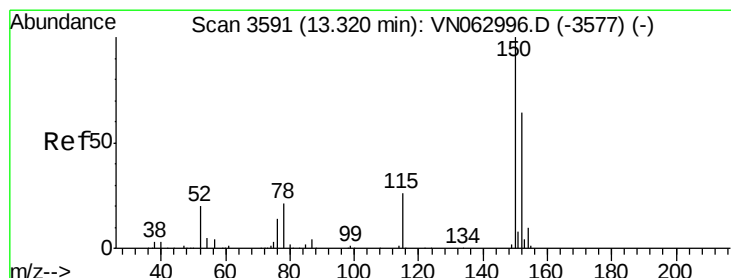
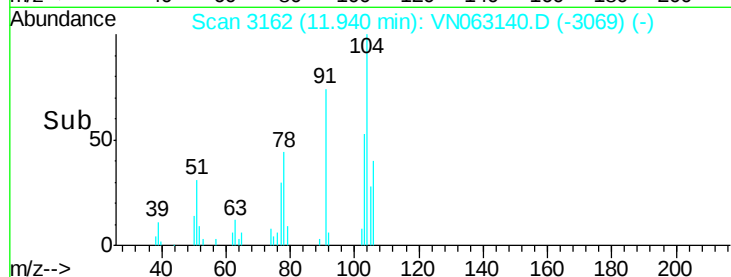
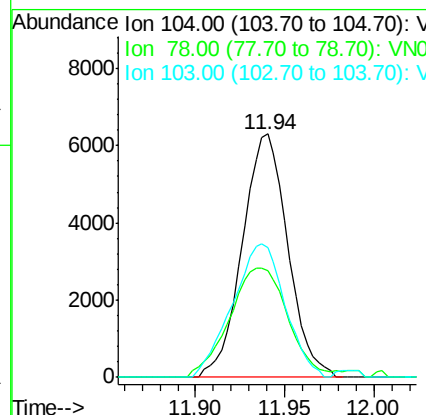
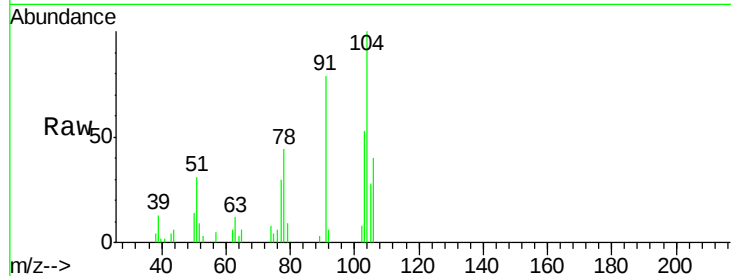




#70
Stvrene
Concen: 3.550 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

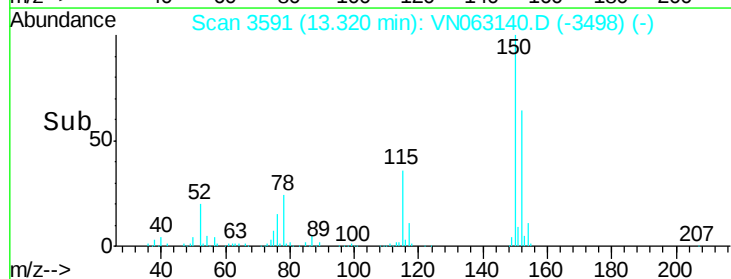
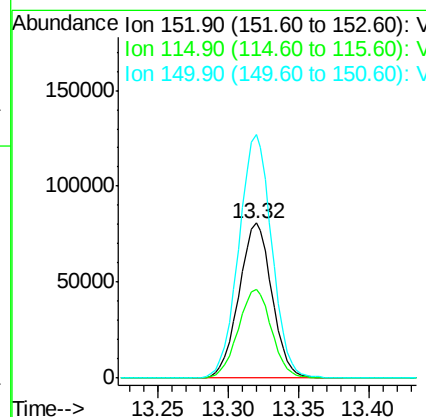
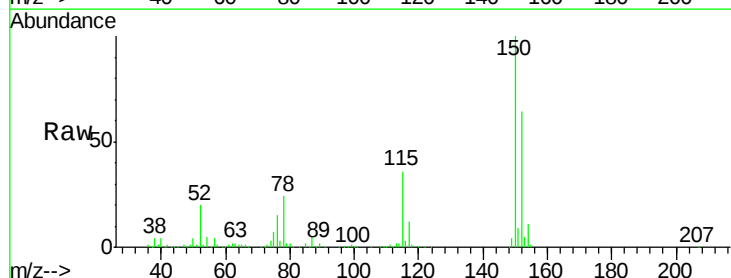
Instrument :
MSVOA_N
ClientSampled :
COMP-2

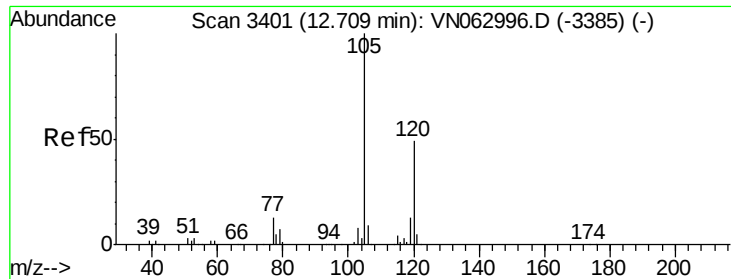
Tot Ion:104 Resp: 11210
Ion Ratio Lower Upper
104 100
78 57.3 39.0 58.6
103 63.3 44.3 66.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN063140.D
Acq: 26 Aug 2020 18:11

Tgt Ion:152 Resp: 132847
Ion Ratio Lower Upper
152 100
115 58.1 28.7 86.3
150 156.9 0.0 348.8

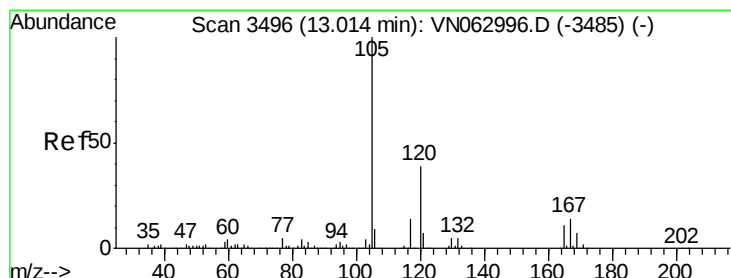
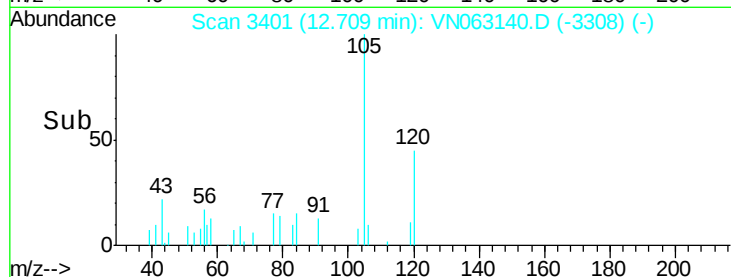
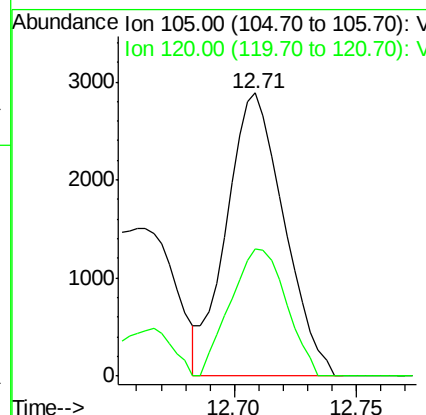
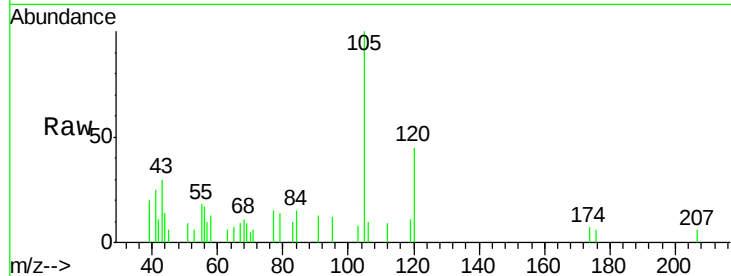




#80
 1,3,5-Trimethylbenzene
 Concen: 0.628 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063140.D
 Acq: 26 Aug 2020 18:11

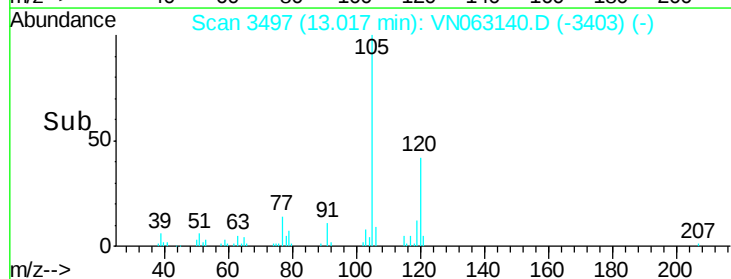
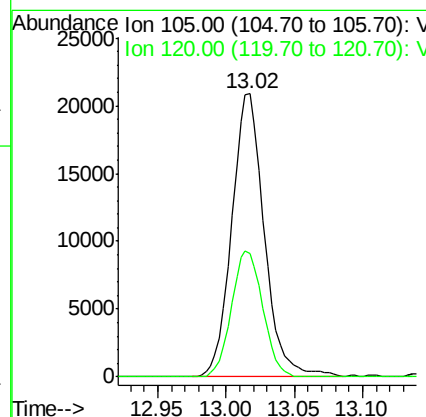
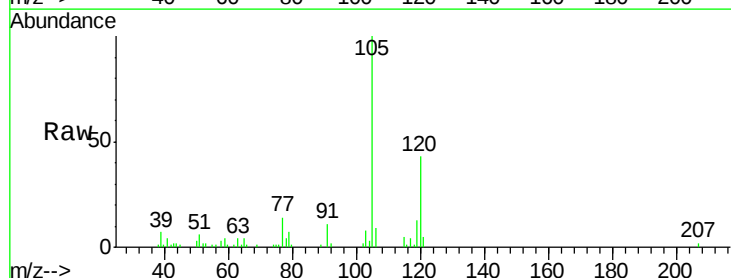
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

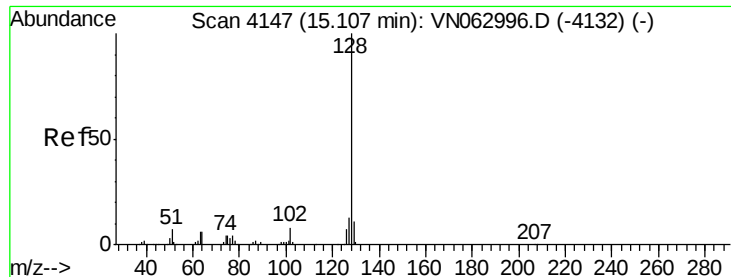
Tot Ion:105 Resp: 4722
 Ion Ratio Lower Upper
 105 100
 120 43.6 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 4.723 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063140.D
 Acq: 26 Aug 2020 18:11

Tgt Ion:105 Resp: 34600
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.5 67.5





#95

Naphthalene

Concen: 79.908 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063140.D

Acq: 26 Aug 2020 18:11

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

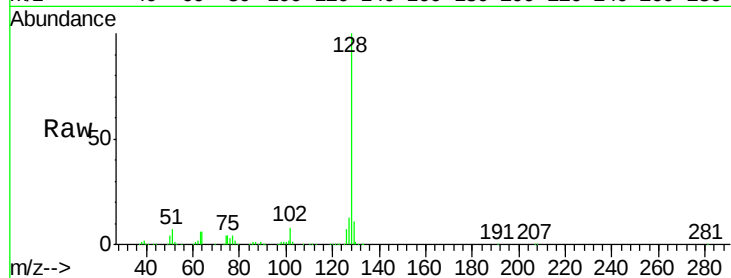
Tot Ion:128 Resp: 443717

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

