

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062734.D
 Acq On : 3 Aug 2020 14:37
 Operator : JC/MD
 Sample : L3539-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I-OC-5

Quant Time: Aug 04 03:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	127533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	224678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	225877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89041	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	110168	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
35) Dibromofluoromethane	7.55	113	74632	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	10.06	98	296177	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.38	95	110781	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

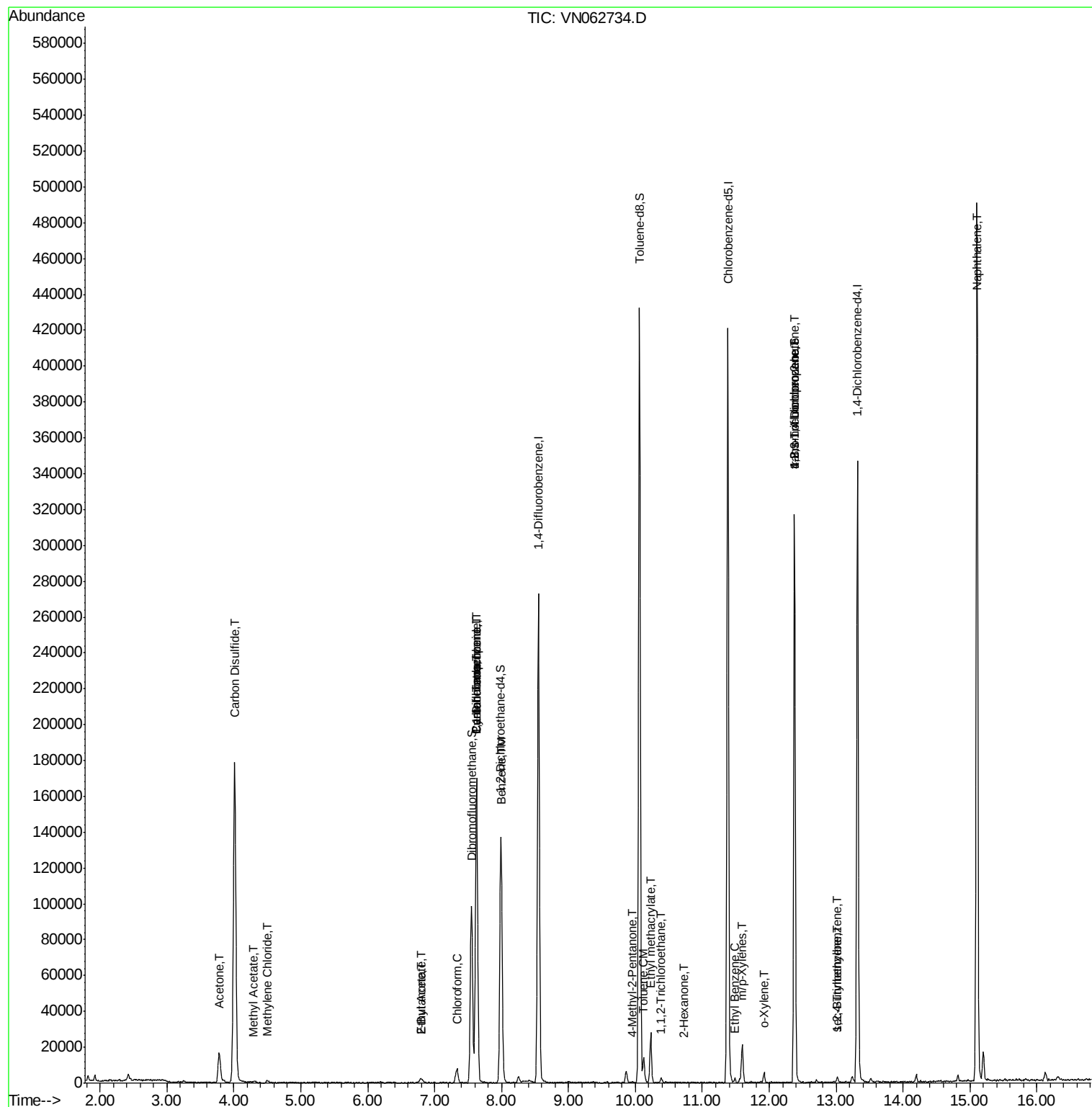
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	27899	37.422	ug/l	98
17) Carbon Disulfide	4.01	76	358095	79.812	ug/l	99
18) Methyl Acetate	4.29	43	1805	0.956	ug/l #	59
20) Methylene Chloride	4.50	84	719	0.402	ug/l #	72
25) 2-Butanone	6.80	43	2614	2.302	ug/l	93
30) Chloroform	7.33	83	8947	2.976	ug/l	92
31) Cyclohexane	7.63	56	3138	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11429	4.772	ug/l #	52
37) Ethyl Acetate	6.80	43	2614	1.013	ug/l #	69
38) Carbon Tetrachloride	7.62	117	13180	5.726	ug/l #	19
40) Benzene	8.00	78	30375	4.190	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	707	0.284	ug/l #	38
52) Toluene	10.13	92	5519	1.311	ug/l	95
55) 1,1,2-Trichloroethane	10.37	97	2330	1.427	ug/l #	13
56) Ethyl methacrylate	10.23	69	1217	2.169	ug/l #	1
59) 2-Hexanone	10.73	43	114	3.017	ug/l #	26
67) Ethyl Benzene	11.48	91	2285	0.263	ug/l #	83
68) m/p-Xylenes	11.59	106	4435	1.421	ug/l	90
69) o-Xylene	11.92	106	1704	0.575	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	61602	27.180	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61602	75.664	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.02	105	2577	0.450	ug/l	97
85) sec-Butylbenzene	13.02	105	2577	0.397	ug/l #	58
95) Naphthalene	15.10	128	391793	95.262	ug/l	99

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

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Quant Time: Aug 04 03:30:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

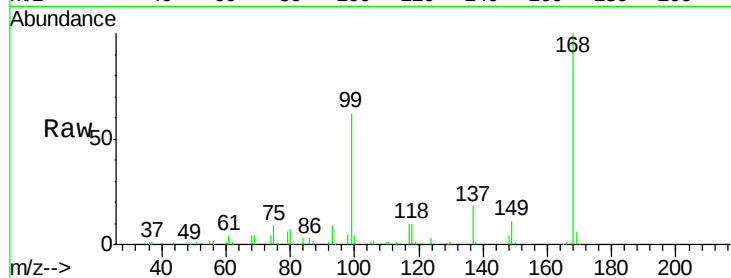
I-OC-5

Tot Ion:168 Resp: 127533

Ion Ratio Lower Upper

168 100

99 62.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

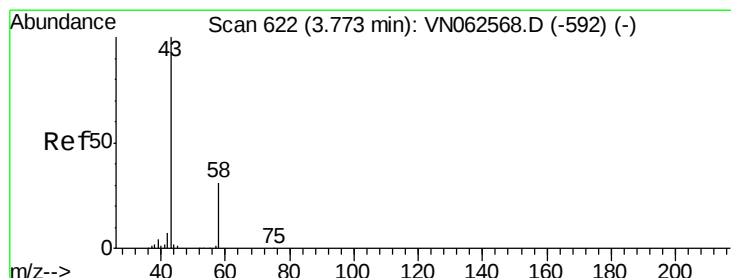
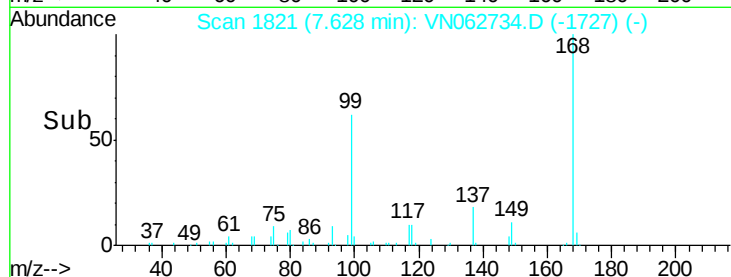
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 37.422 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062734.D

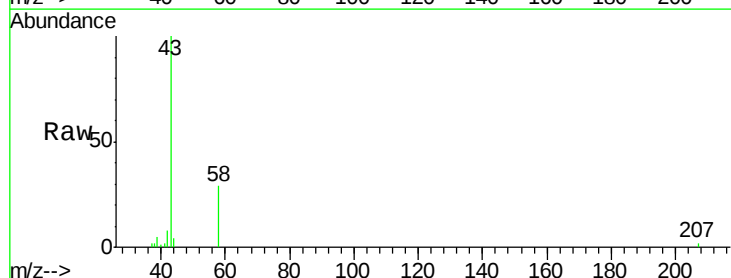
Acq: 3 Aug 2020 14:37

Tgt Ion: 43 Resp: 27899

Ion Ratio Lower Upper

43 100

58 29.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

12000

10000

8000

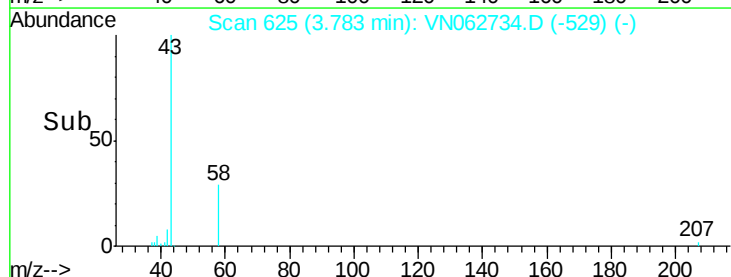
6000

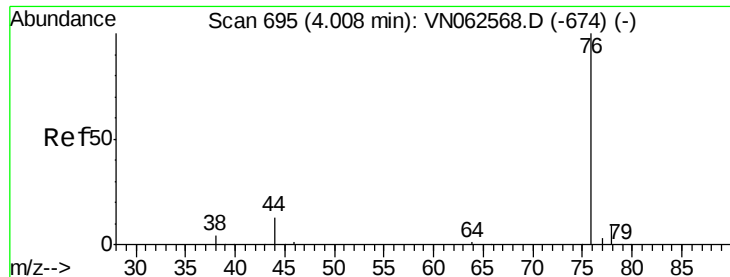
4000

2000

0

Time--> 3.70 3.75 3.80 3.85 3.90

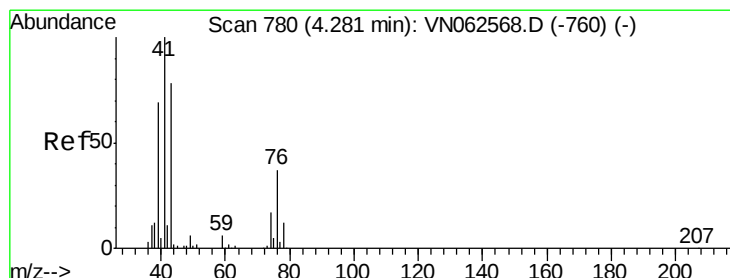
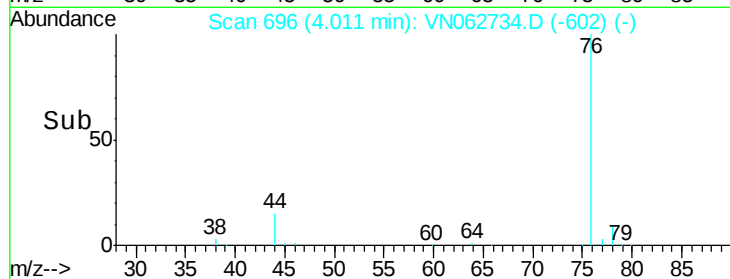
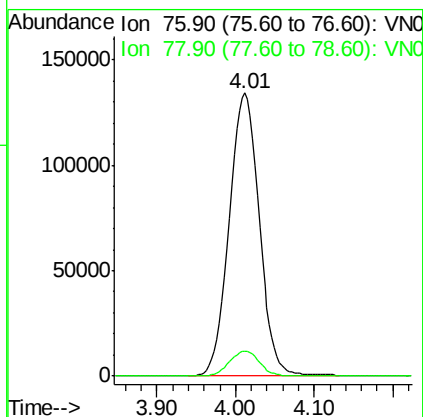
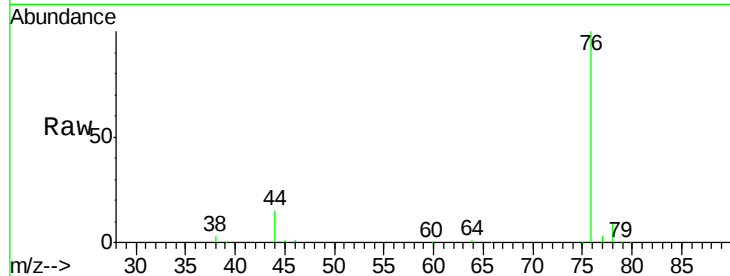




#17
Carbon Disulfide
Concen: 79.812 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

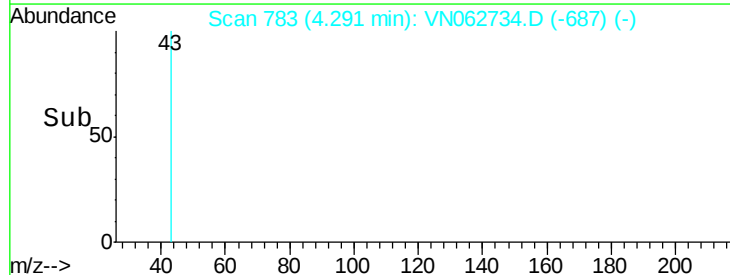
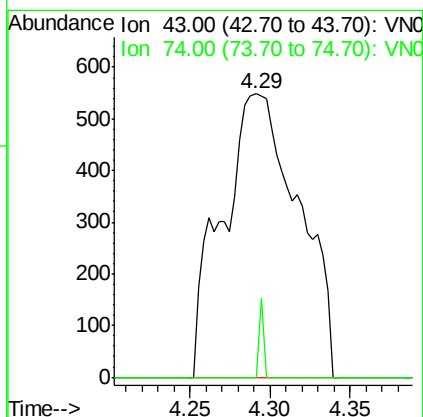
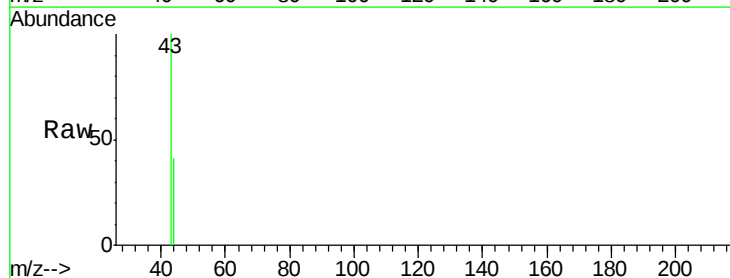
Instrument :
MSVOA_N
ClientSampled :
I-OC-5

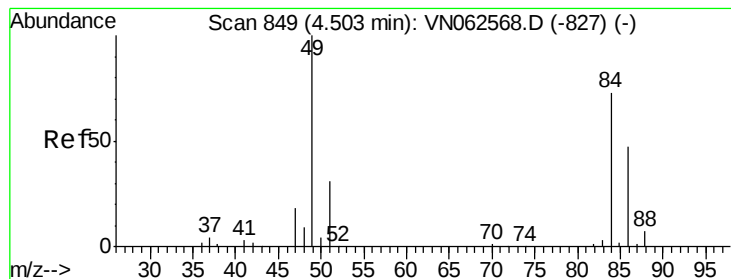
Tot Ion: 76 Resp: 358095
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 0.956 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

Tgt Ion: 43 Resp: 1805
Ion Ratio Lower Upper
43 100
74 1.6 16.6 24.8#





#20

Methylene Chloride

Concen: 0.402 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.01 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

I-OC-5

Tot Ion: 84 Resp: 719

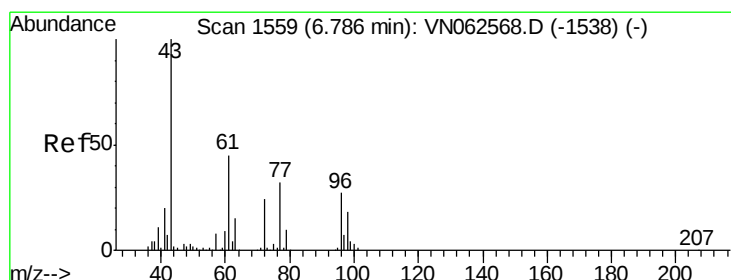
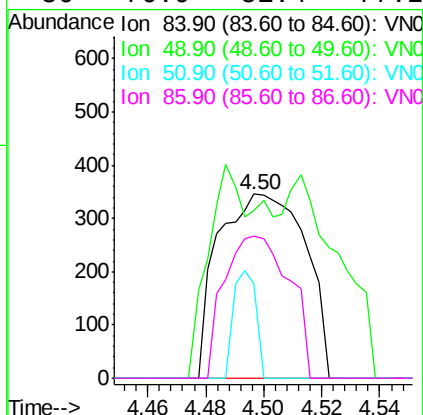
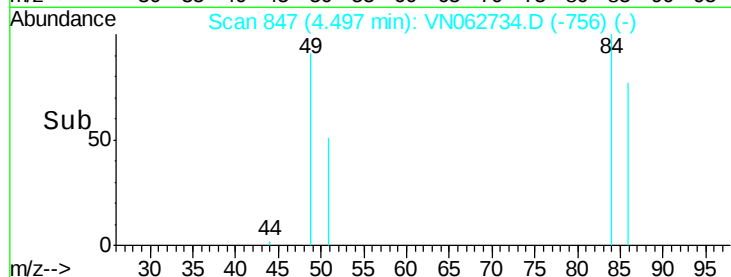
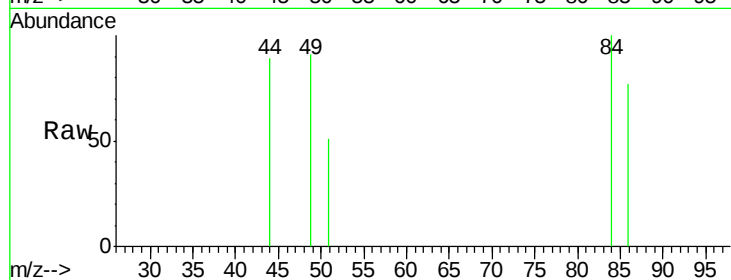
Ion Ratio Lower Upper

84 100

49 91.0 109.4 164.0#

51 51.4 33.6 50.4#

86 76.9 51.4 77.2



#25

2-Butanone

Concen: 2.302 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062734.D

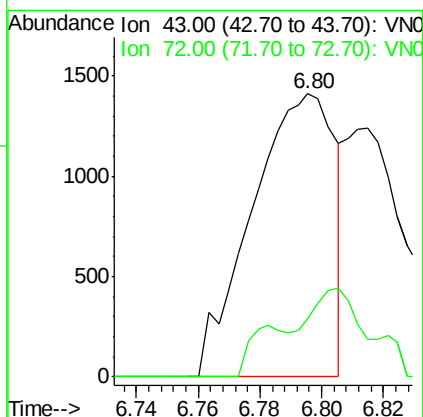
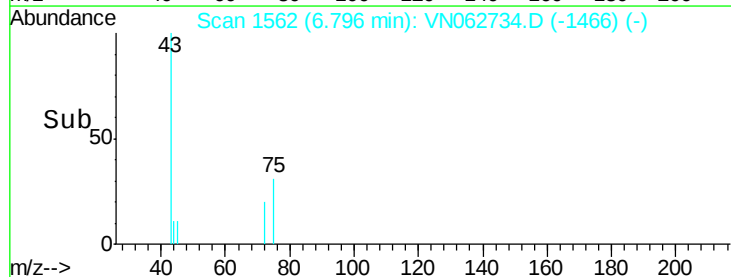
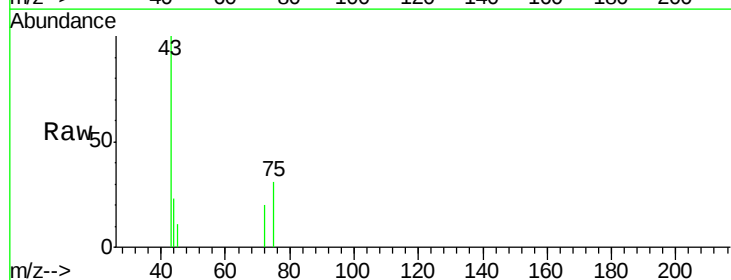
Acq: 3 Aug 2020 14:37

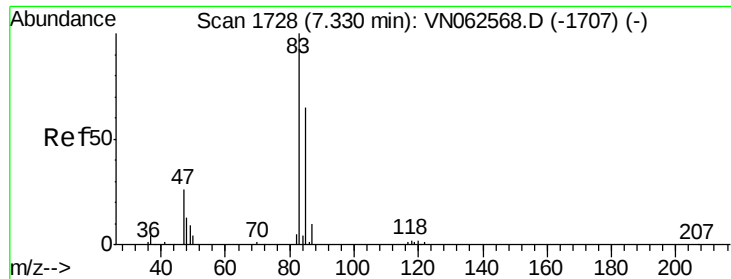
Tgt Ion: 43 Resp: 2614

Ion Ratio Lower Upper

43 100

72 20.4 19.0 28.6

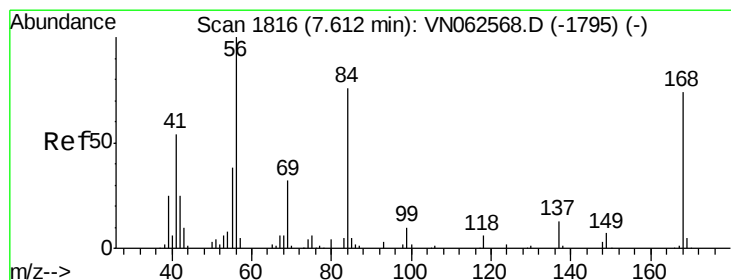
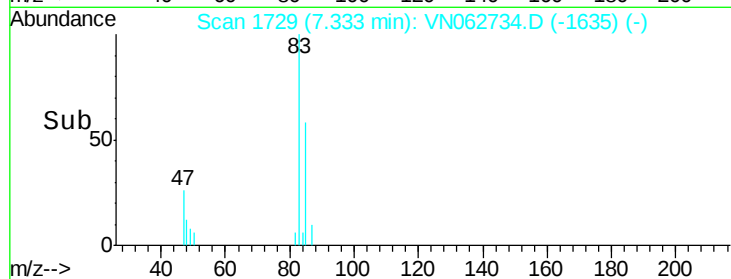
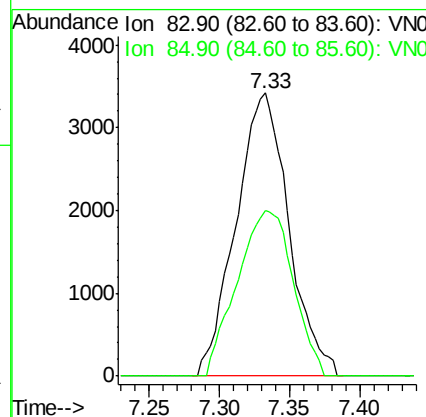
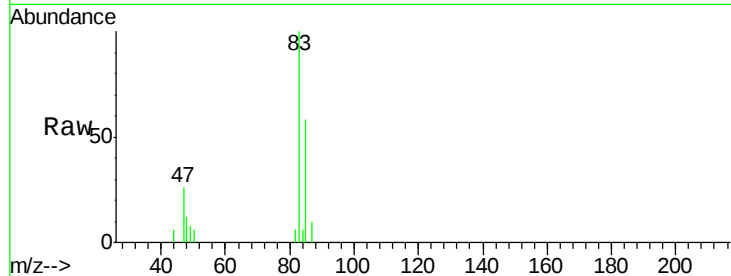




#30
Chloroform
Concen: 2.976 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

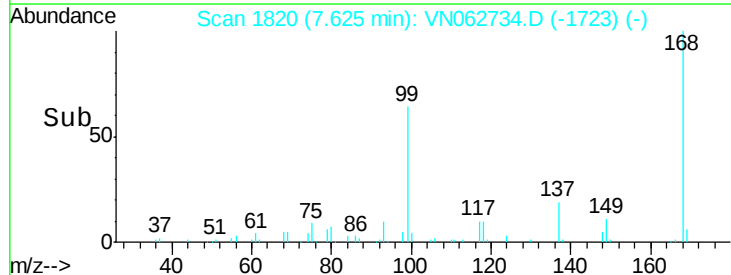
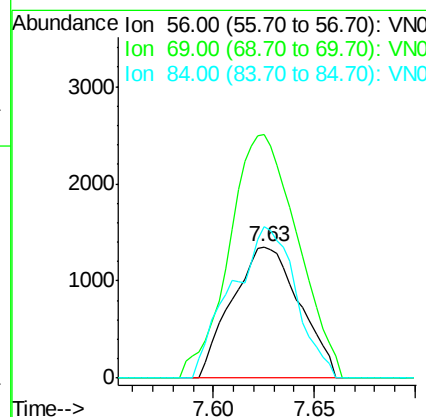
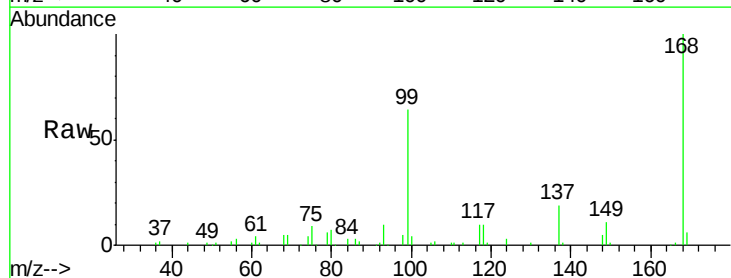
Instrument :
MSVOA_N
ClientSampleId :
I-OC-5

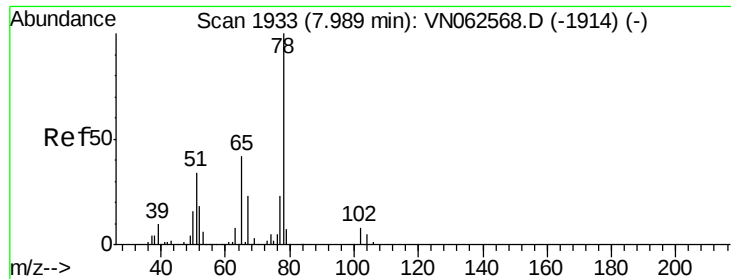
Tot Ion: 83 Resp: 8947
Ion Ratio Lower Upper
83 100
85 58.3 52.0 78.0



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

Tgt Ion: 56 Resp: 3138
Ion Ratio Lower Upper
56 100
69 185.5 25.3 37.9#
84 115.2 61.0 91.4#

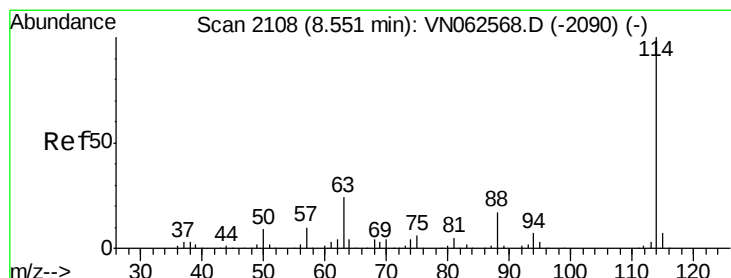
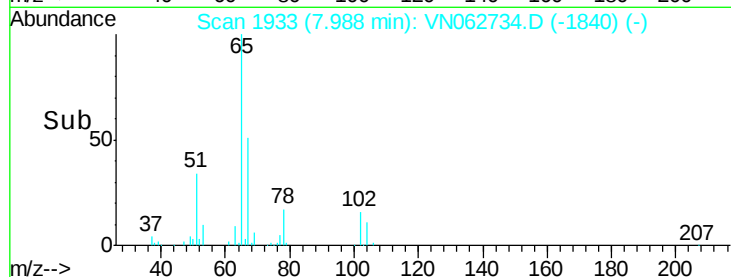
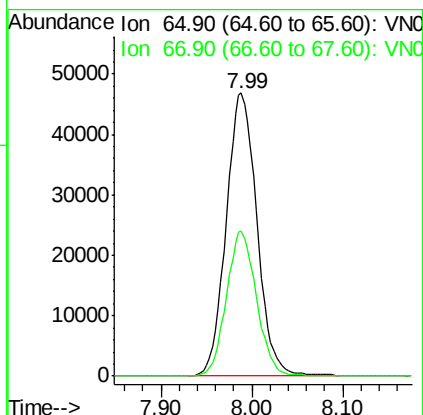
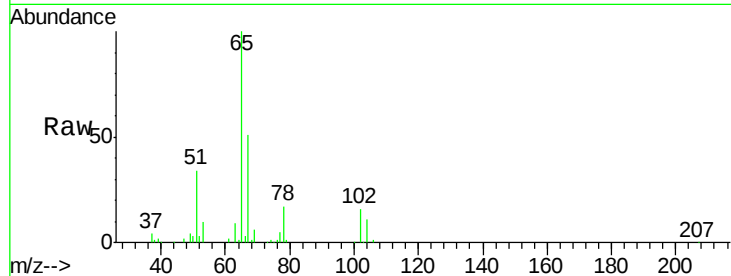




#33
 1,2-Dichloroethane-d4
 Concen: 55.608 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062734.D
 Acq: 3 Aug 2020 14:37

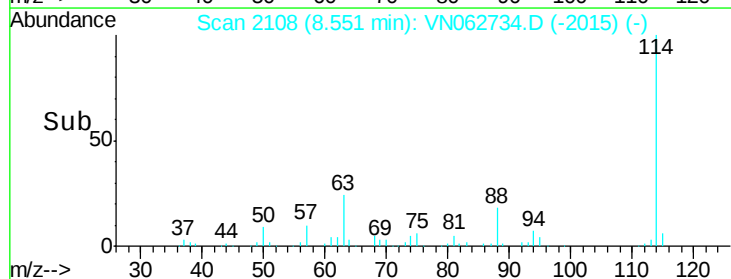
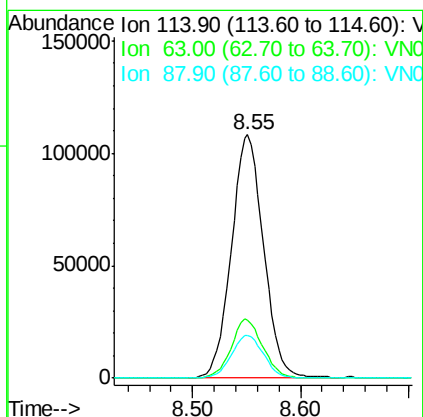
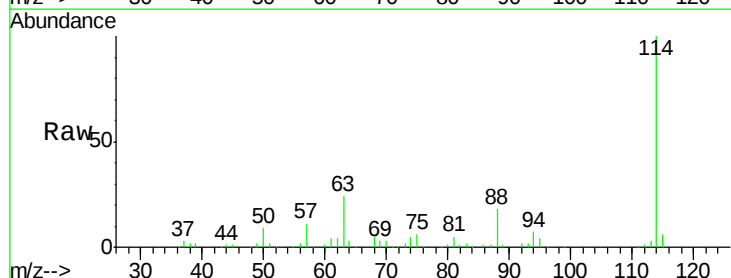
Instrument :
 MSVOA_N
 ClientSampled :
 I-OC-5

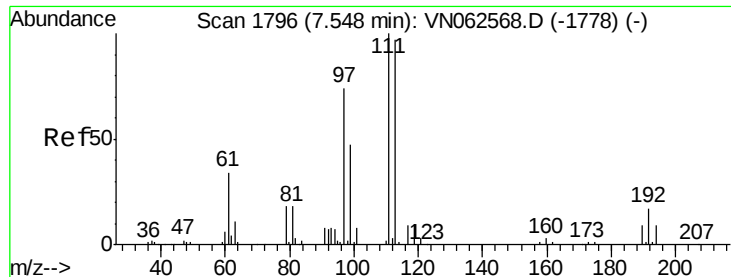
Tot Ion: 65 Resp: 110168
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062734.D
 Acq: 3 Aug 2020 14:37

Tgt Ion: 114 Resp: 224678
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.4
 88 17.7 0.0 33.8

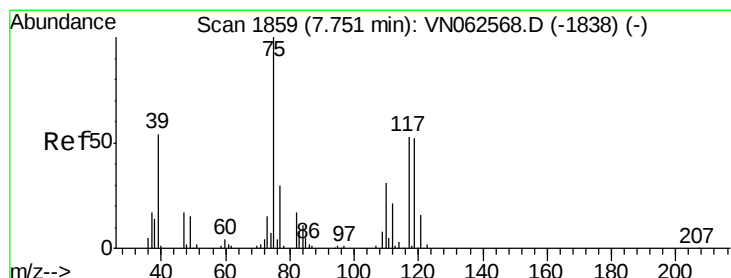
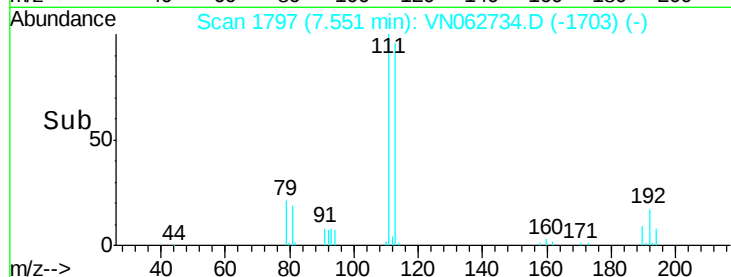
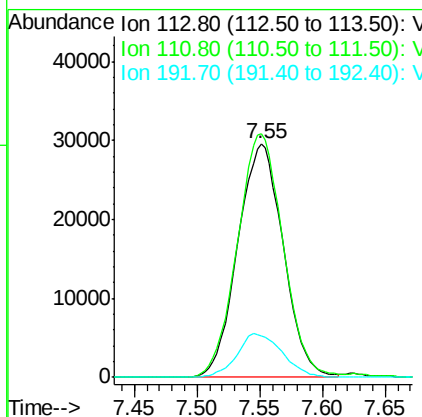
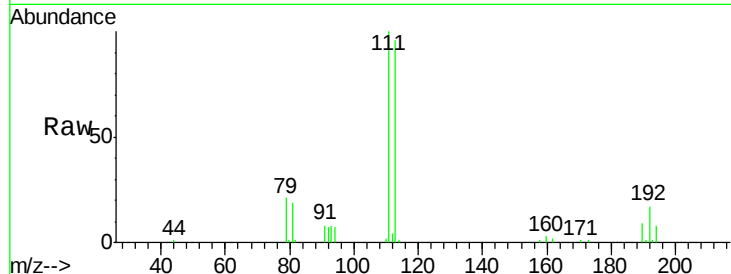




#35
Dibromofluoromethane
Concen: 50.570 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

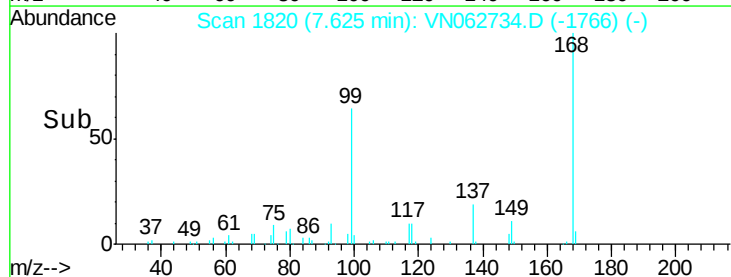
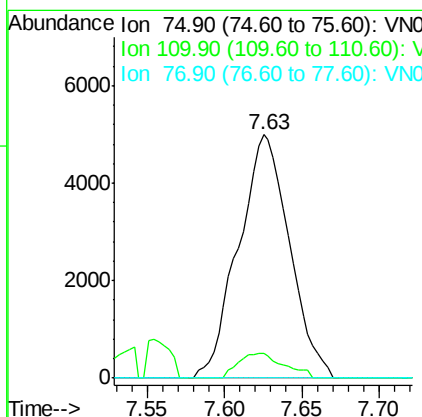
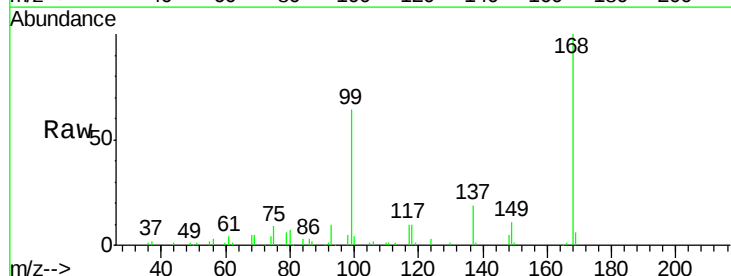
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ClientSampleId :
I-OC-5

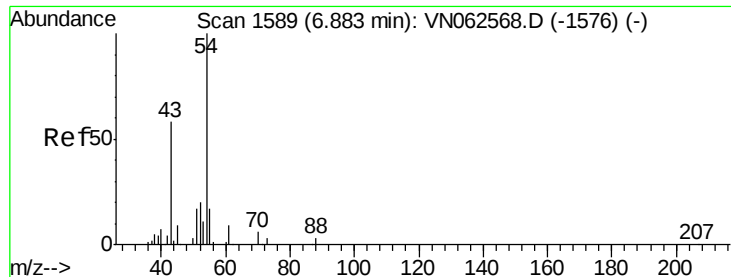
Tot Ion:113 Resp: 74632
Ion Ratio Lower Upper
113 100
111 104.5 82.7 124.1
192 18.5 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

Tgt Ion: 75 Resp: 11429
Ion Ratio Lower Upper
75 100
110 9.1 16.0 48.0#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.013 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.09 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

I-OC-5

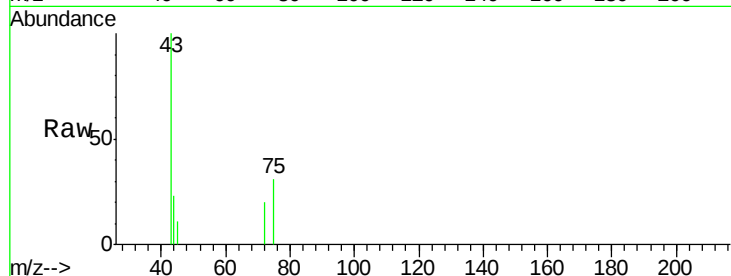
Tot Ion: 43 Resp: 2614

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

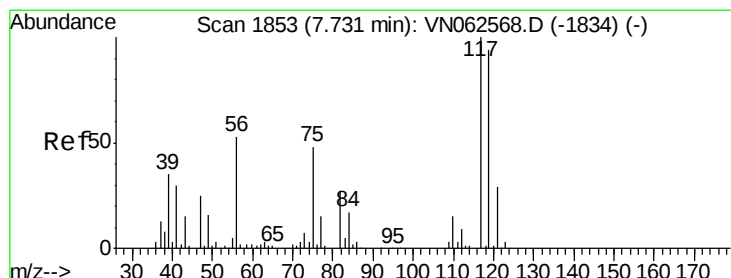
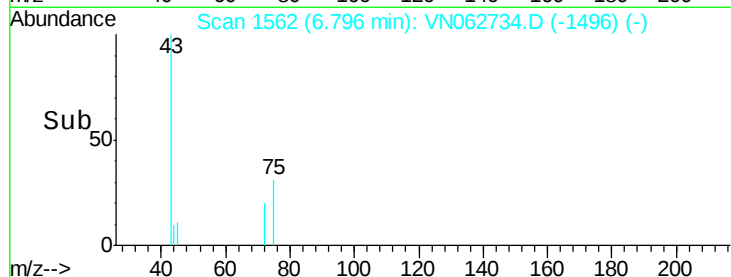
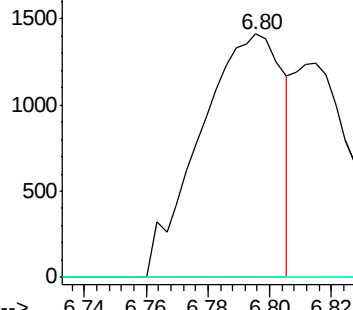
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062734.D (-1562) (-)

Ion 60.90 (60.60 to 61.60): VN062734.D (-1562) (-)

Ion 70.00 (69.70 to 70.70): VN062734.D (-1562) (-)



#38

Carbon Tetrachloride

Concen: 5.726 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

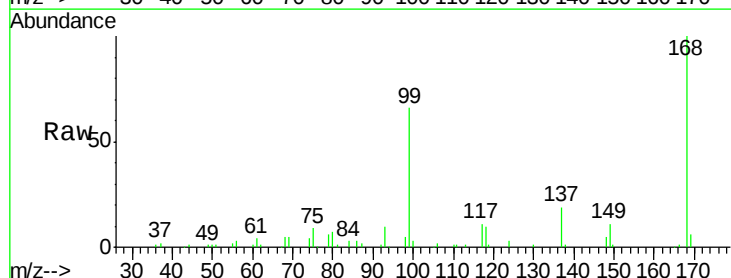
Tgt Ion: 117 Resp: 13180

Ion Ratio Lower Upper

117 100

119 7.0 74.8 112.2#

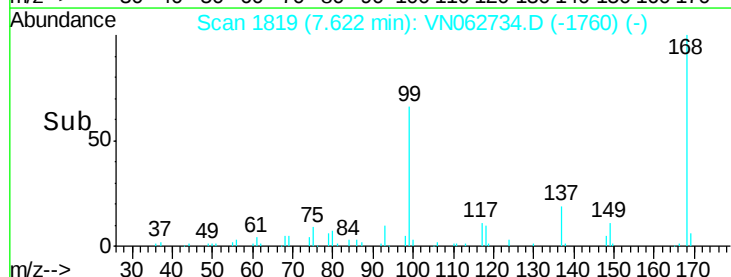
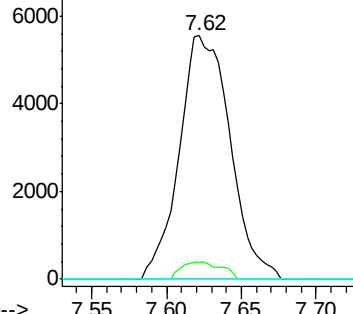
121 0.0 23.0 34.6#

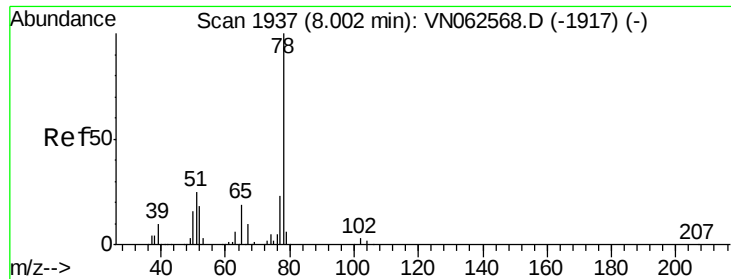


Abundance Ion 116.80 (116.50 to 117.50): VN062734.D (-1819) (-)

Ion 118.80 (118.50 to 119.50): VN062734.D (-1819) (-)

Ion 120.80 (120.50 to 121.50): VN062734.D (-1819) (-)





#40

Benzene

Concen: 4.190 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

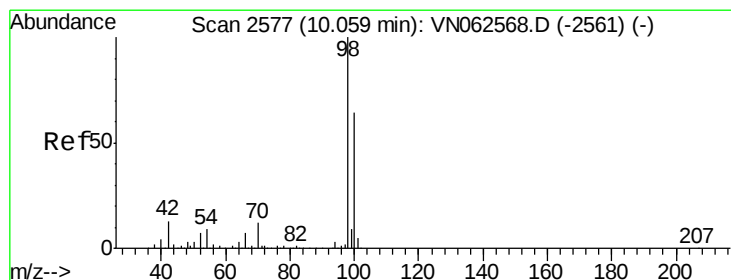
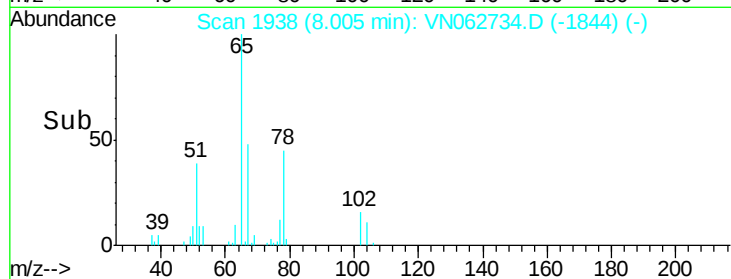
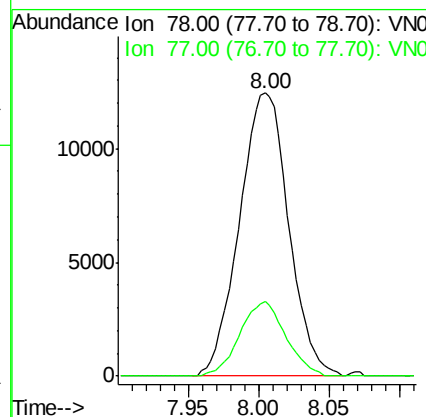
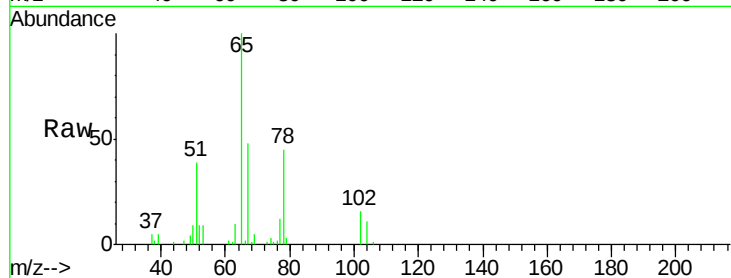
I-OC-5

Tot Ion: 78 Resp: 30375

Ion Ratio Lower Upper

78 100

77 26.2 18.7 28.1



#50

Toluene-d8

Concen: 50.298 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062734.D

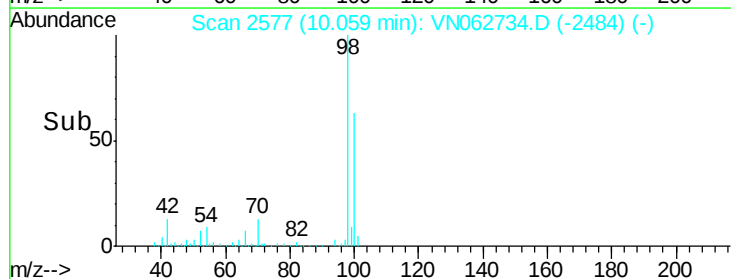
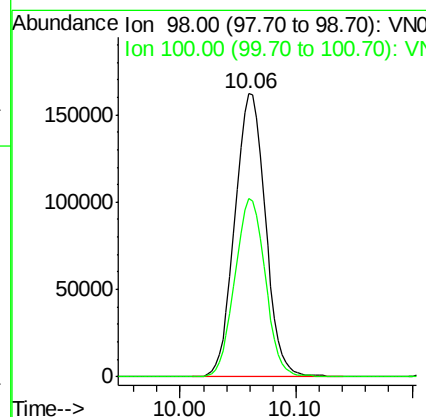
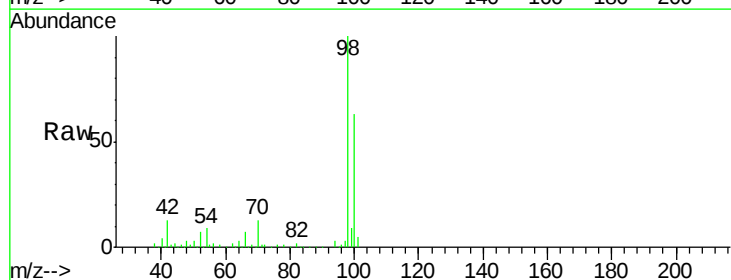
Acq: 3 Aug 2020 14:37

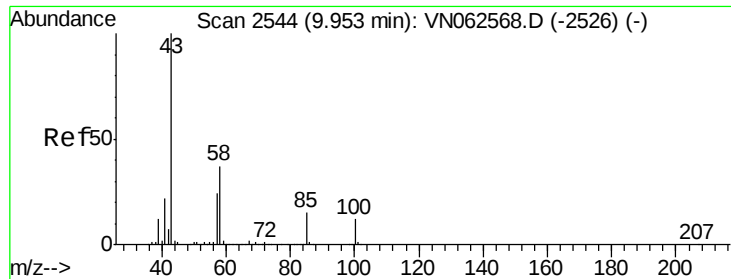
Tgt Ion: 98 Resp: 296177

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.284 ug/l

RT: 9.95 min Scan# 2542

Delta R.T. -0.01 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

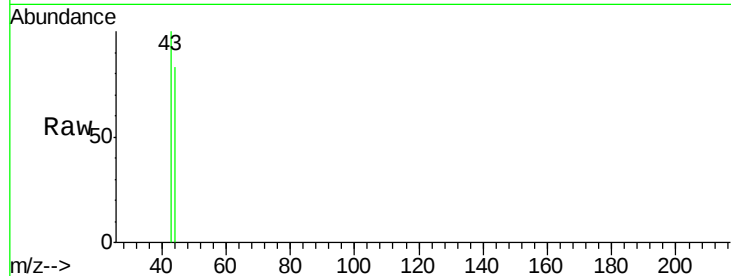
I-OC-5

Tot Ion: 43 Resp: 707

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

400

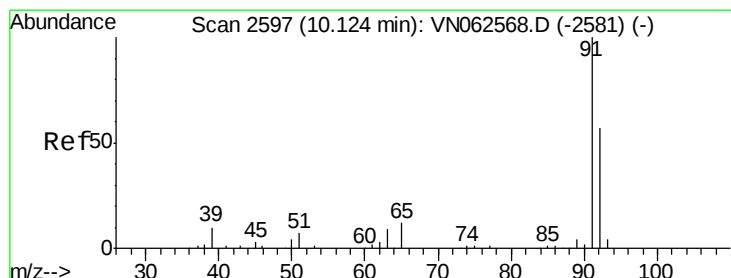
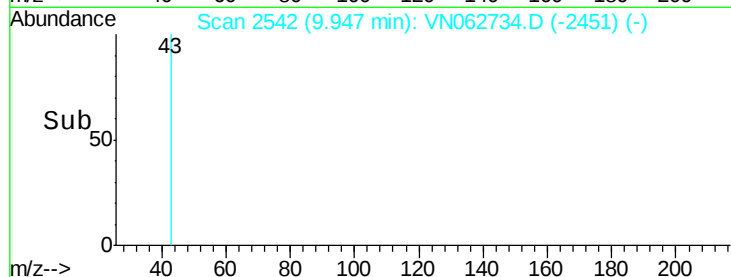
300

200

100

0

Time--> 9.90 9.95 10.00



#52

Toluene

Concen: 1.311 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062734.D

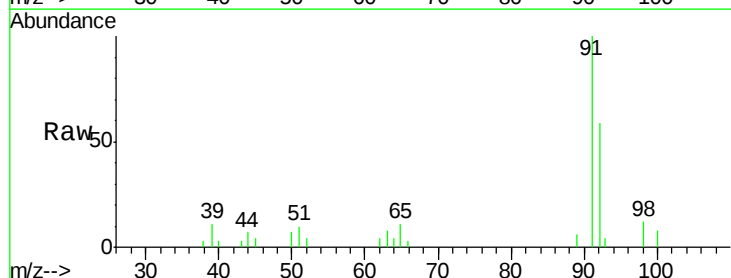
Acq: 3 Aug 2020 14:37

Tgt Ion: 92 Resp: 5519

Ion Ratio Lower Upper

92 100

91 181.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

6000

5000

4000

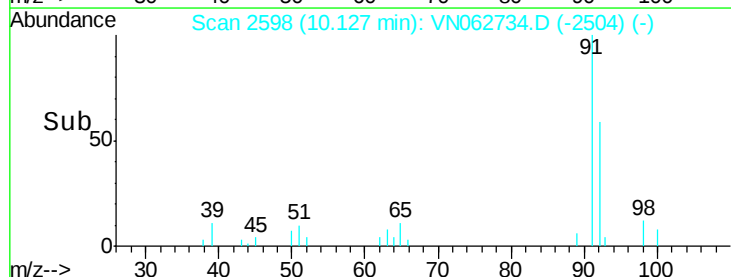
3000

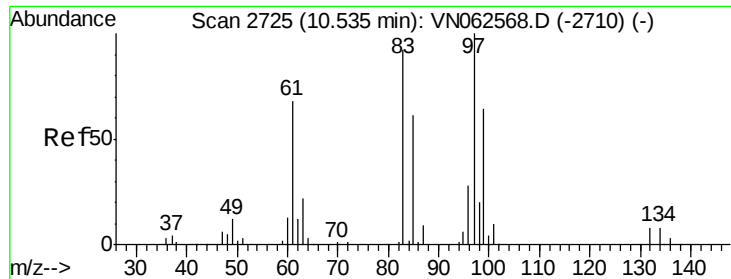
2000

1000

0

Time--> 10.10 10.15





#55

1,1,2-Trichloroethane

Concen: 1.427 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.16 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

I-OC-5

Tot Ion: 97 Resp: 2330

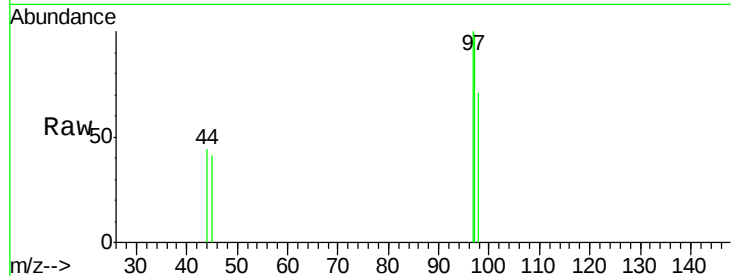
Ion Ratio Lower Upper

97 100

83 0.0 73.7 110.5#

85 0.0 48.5 72.7#

99 0.0 50.8 76.2#

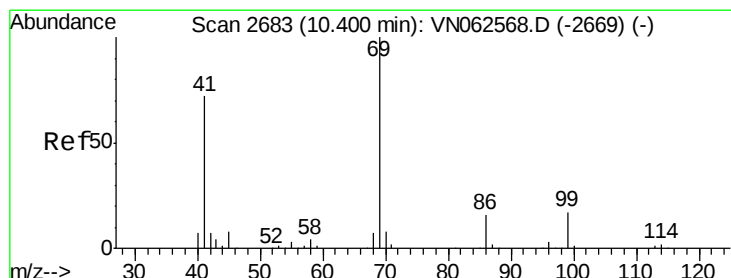
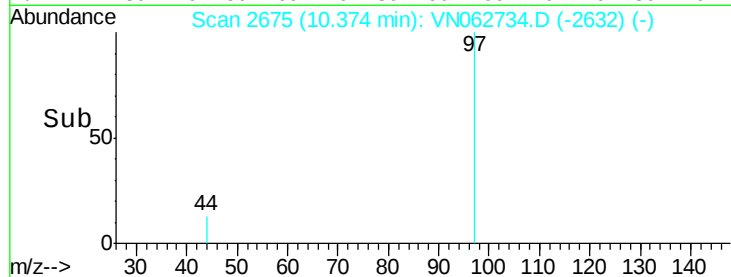
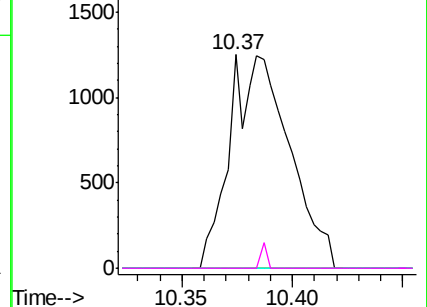


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 2.169 ug/l

RT: 10.23 min Scan# 2630

Delta R.T. -0.17 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

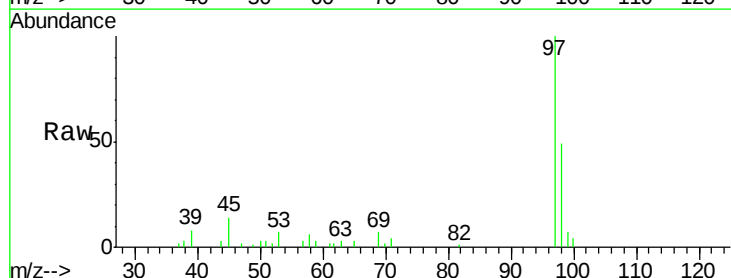
Tgt Ion: 69 Resp: 1217

Ion Ratio Lower Upper

69 100

41 0.0 57.2 85.8#

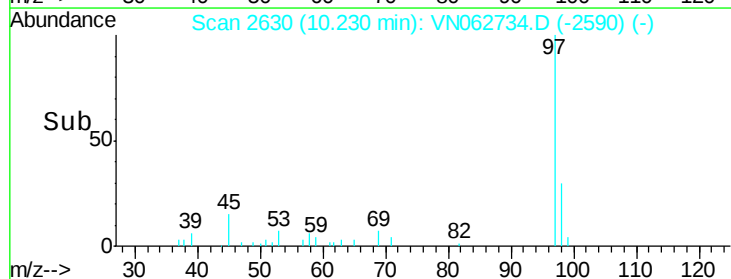
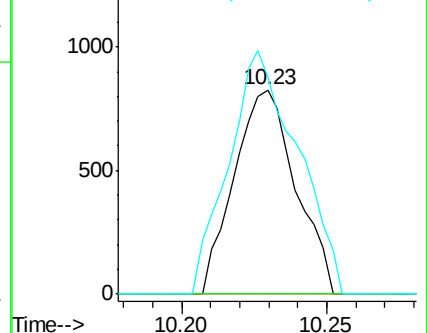
39 133.3 28.6 43.0#

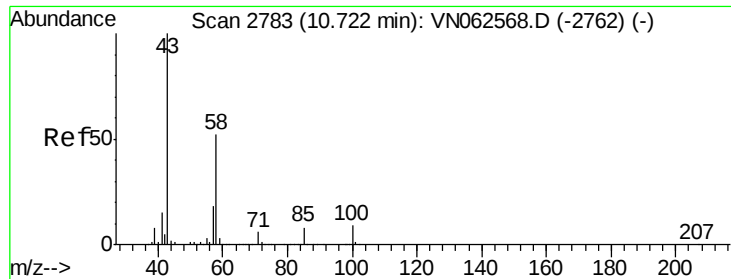


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

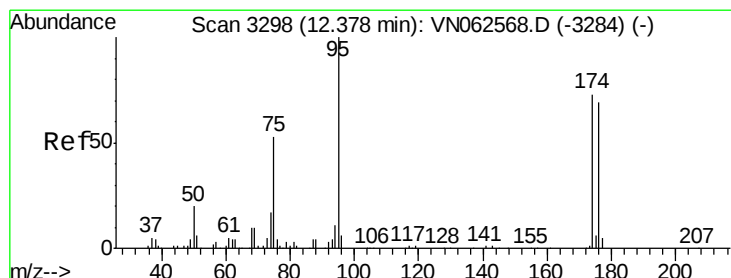
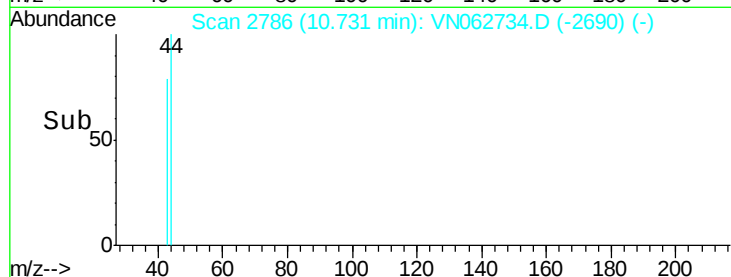
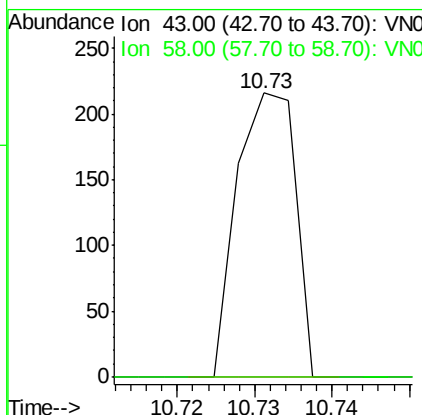
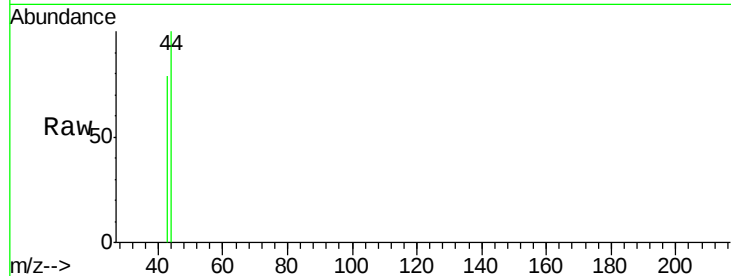




#59
2-Hexanone
Concen: 3.017 ug/l
RT: 10.73 min Scan# 2786
Delta R.T. 0.01 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

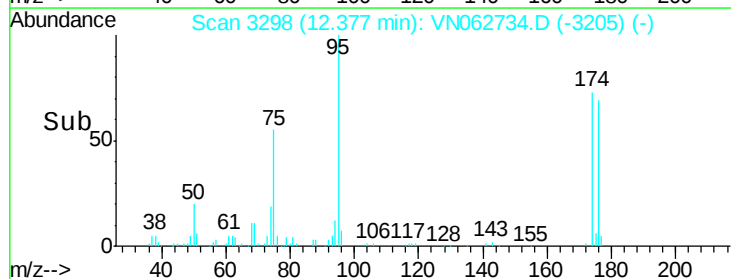
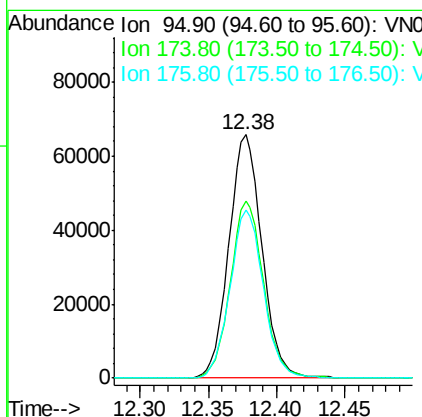
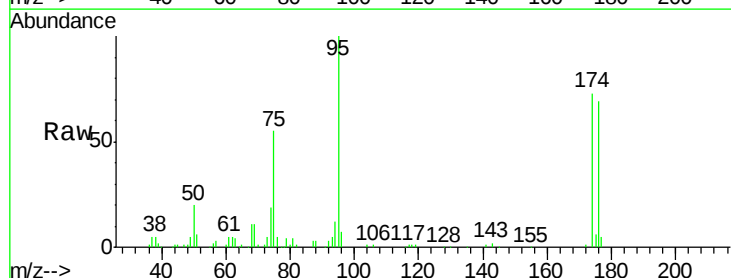
Instrument :
MSVOA_N
ClientSampleId :
I-OC-5

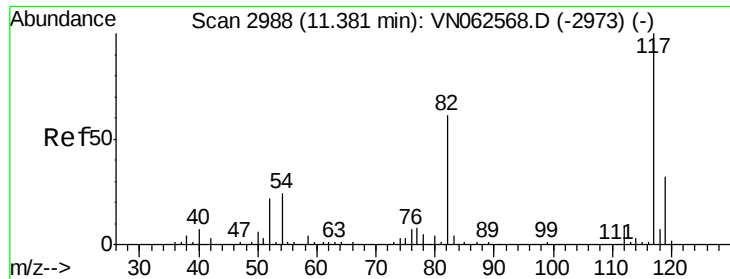
Tot Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
58 0.0 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 51.453 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

Tgt Ion: 95 Resp: 110781
Ion Ratio Lower Upper
95 100
174 73.3 0.0 144.6
176 69.7 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

I-OC-5

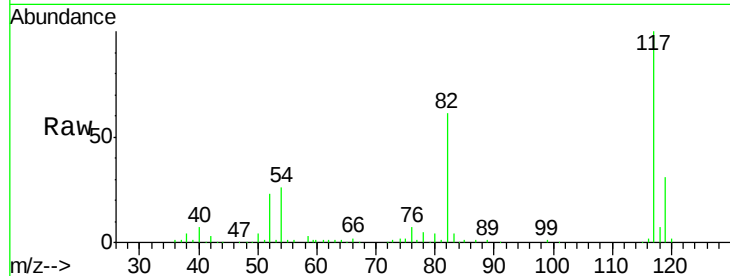
Tot Ion:117 Resp: 225877

Ion Ratio Lower Upper

117 100

82 60.7 49.0 73.6

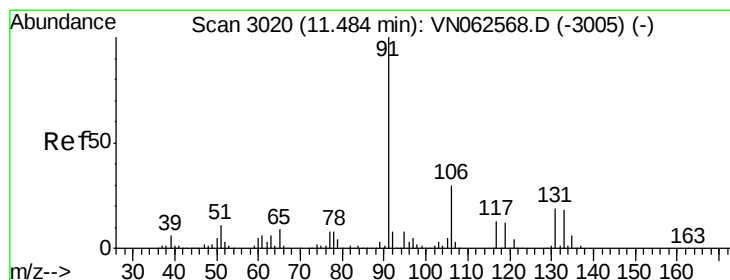
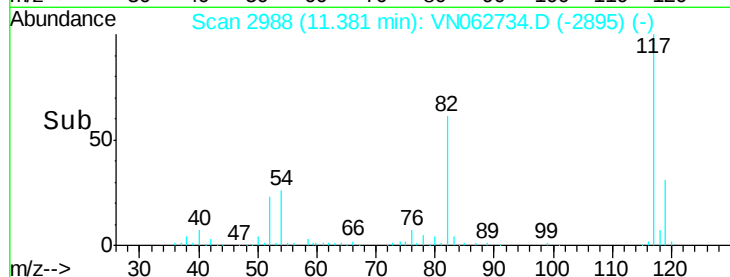
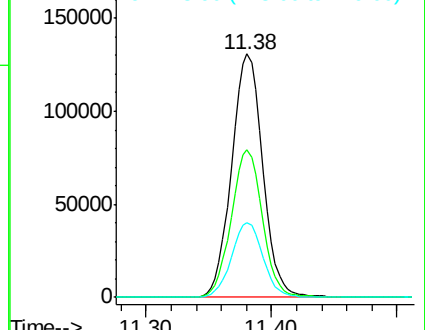
119 30.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.263 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062734.D

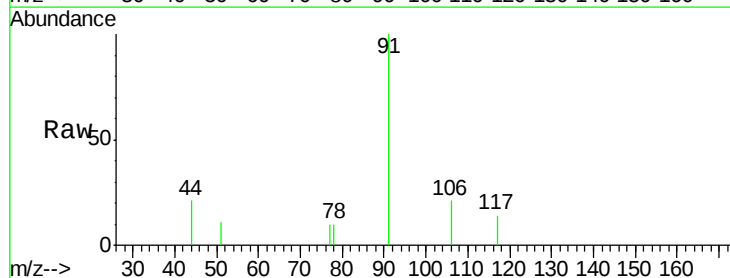
Acq: 3 Aug 2020 14:37

Tgt Ion: 91 Resp: 2285

Ion Ratio Lower Upper

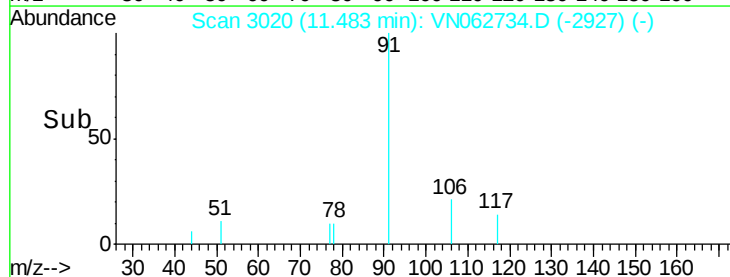
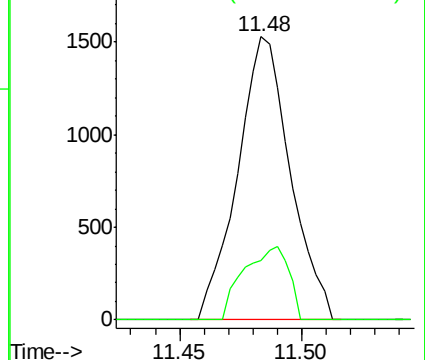
91 100

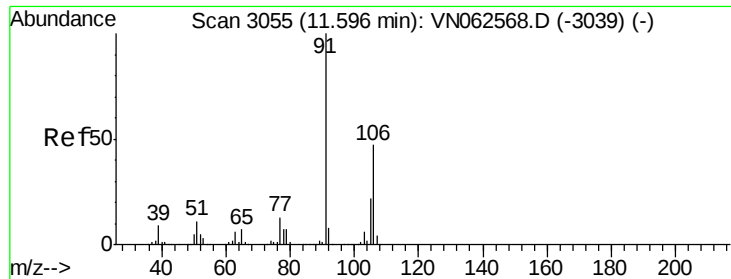
106 20.8 23.8 35.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

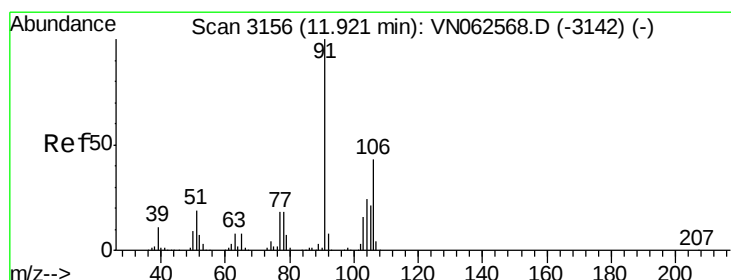
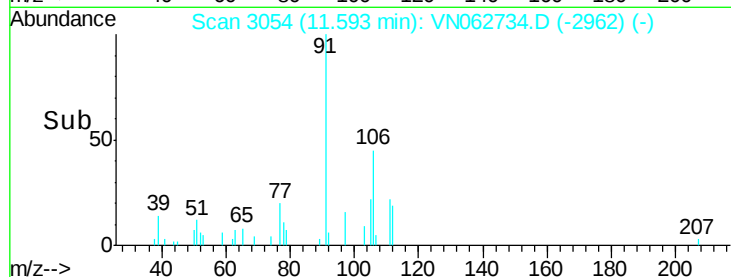
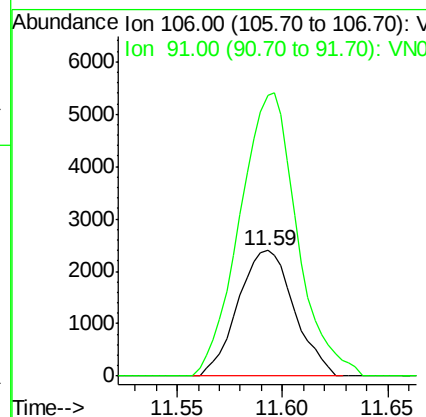
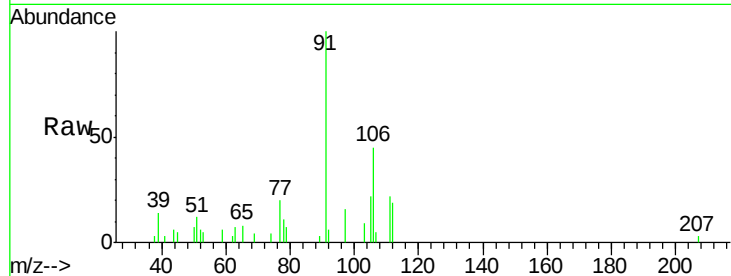




#68
m/p-Xylenes
Concen: 1.421 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

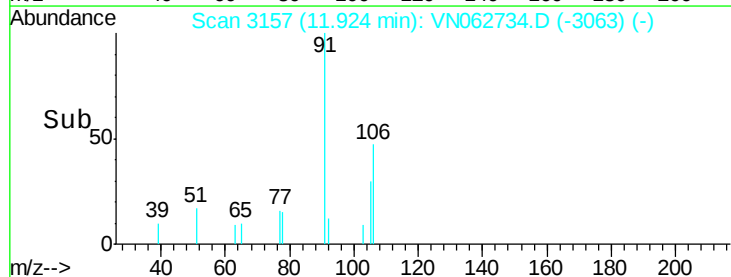
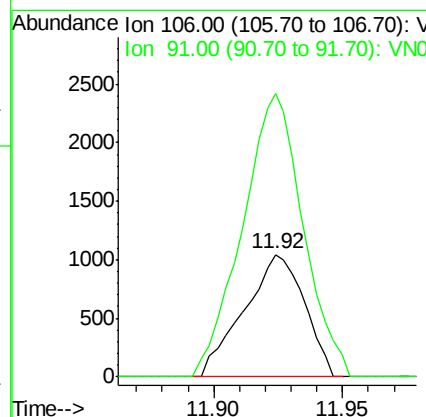
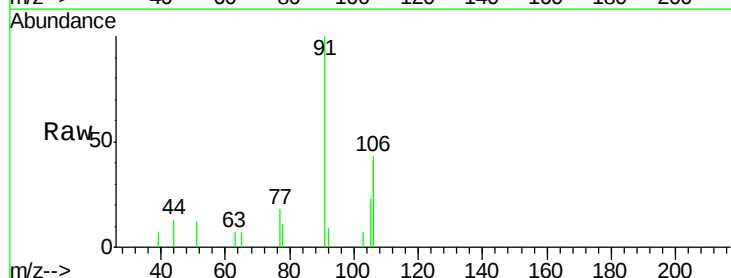
Instrument :
MSVOA_N
ClientSampled :
I-OC-5

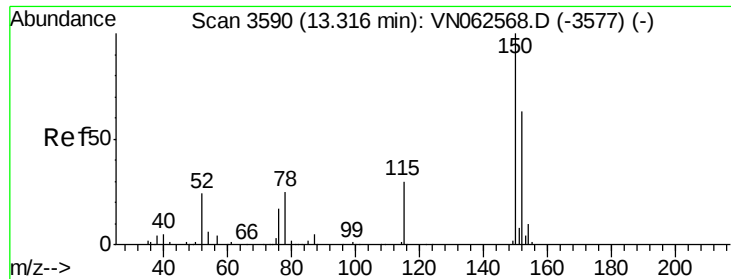
Tot Ion:106 Resp: 4435
Ion Ratio Lower Upper
106 100
91 230.6 171.4 257.2



#69
o-Xylene
Concen: 0.575 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062734.D
Acq: 3 Aug 2020 14:37

Tgt Ion:106 Resp: 1704
Ion Ratio Lower Upper
106 100
91 233.2 113.8 341.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

I-OC-5

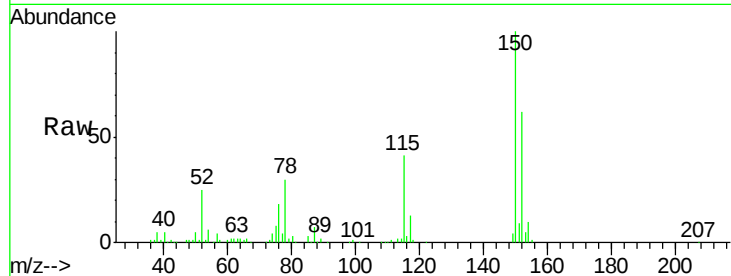
Tot Ion:152 Resp: 89041

Ion Ratio Lower Upper

152 100

115 64.5 31.8 95.4

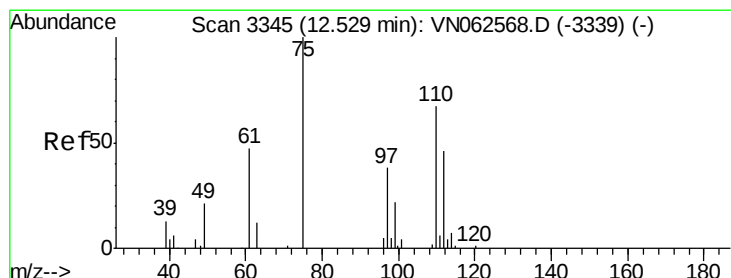
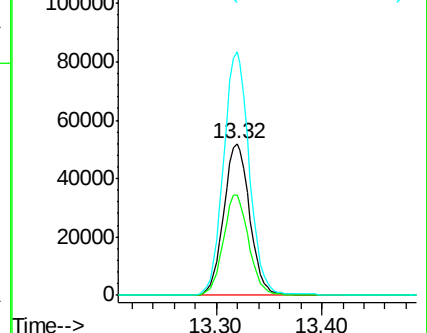
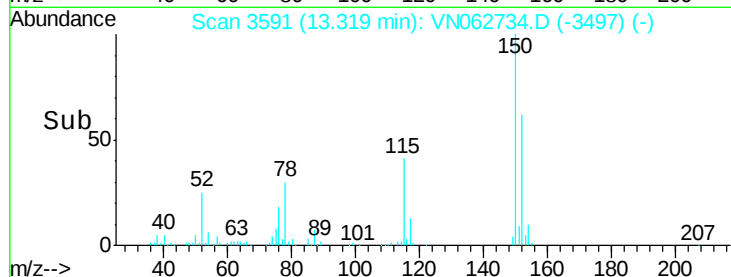
150 158.9 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.180 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062734.D

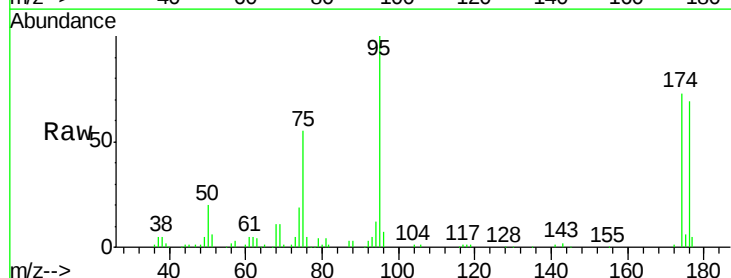
Acq: 3 Aug 2020 14:37

Tgt Ion: 75 Resp: 61602

Ion Ratio Lower Upper

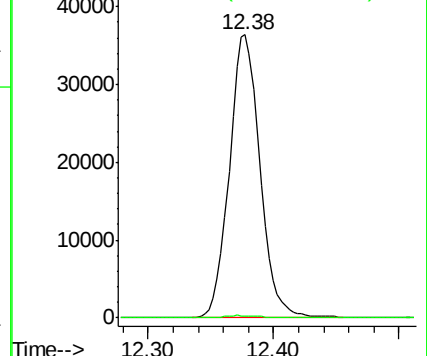
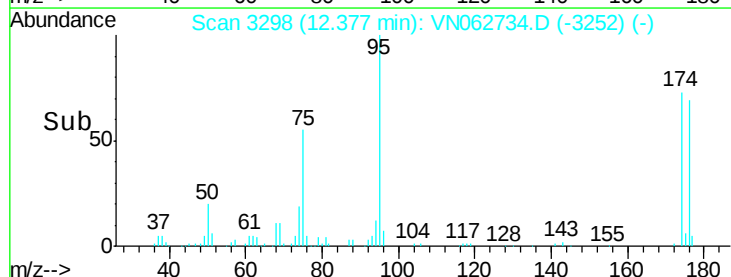
75 100

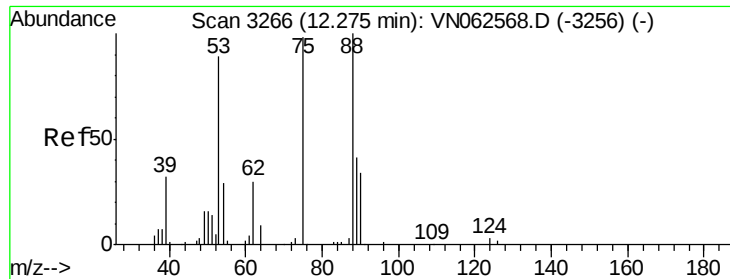
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.664 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062734.D

Acq: 3 Aug 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

I-OC-5

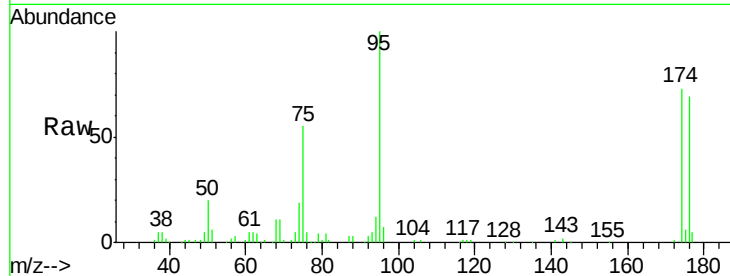
Tot Ion: 75 Resp: 61602

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

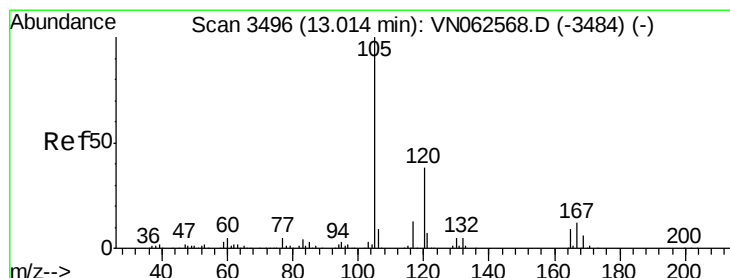
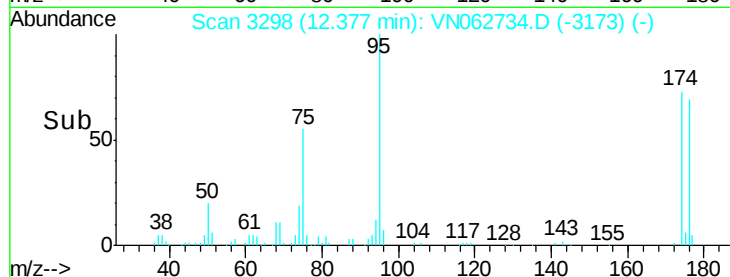
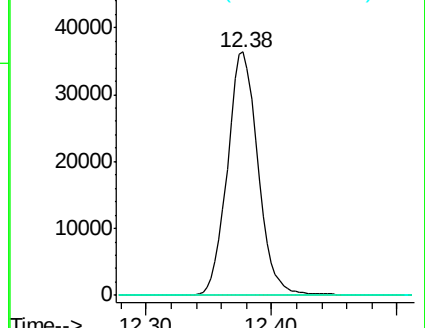
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062568.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062568.D (-3256) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.450 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN062734.D

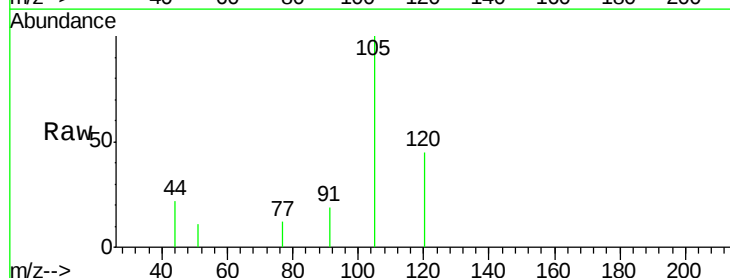
Acq: 3 Aug 2020 14:37

Tgt Ion: 105 Resp: 2577

Ion Ratio Lower Upper

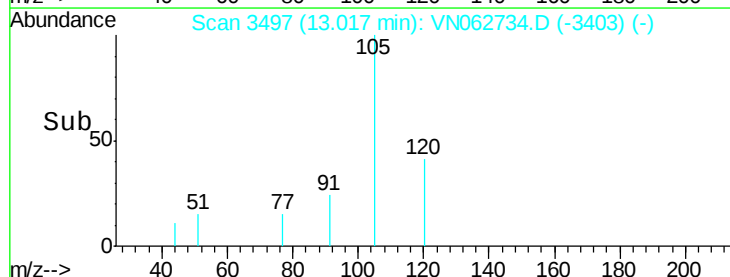
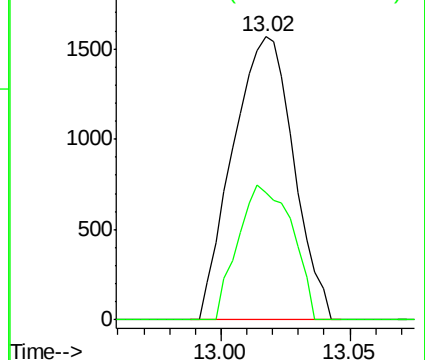
105 100

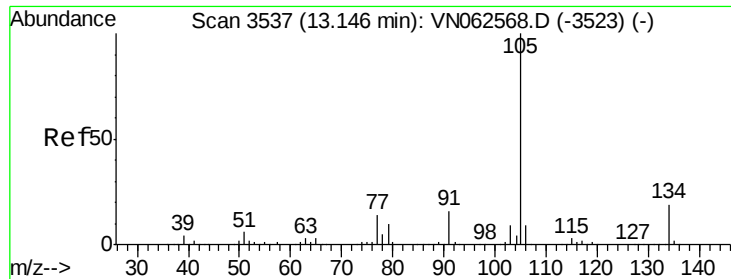
120 42.4 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): VN062568.D (-3484) (-)

Ion 120.00 (119.70 to 120.70): VN062568.D (-3484) (-)

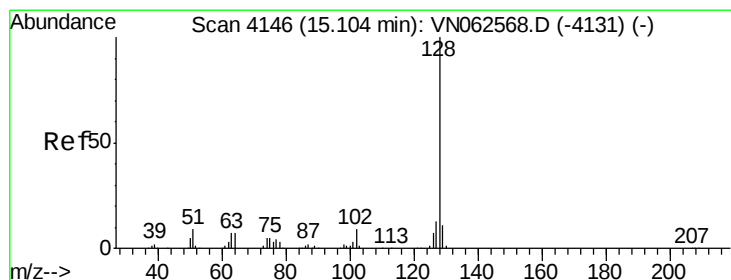
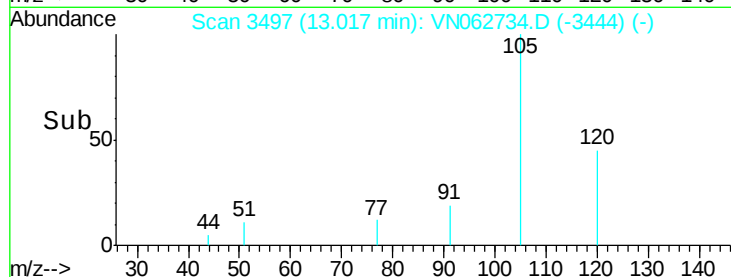
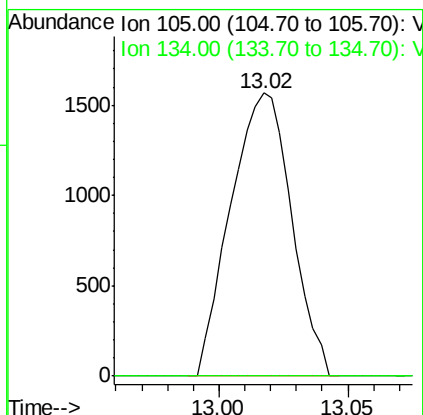
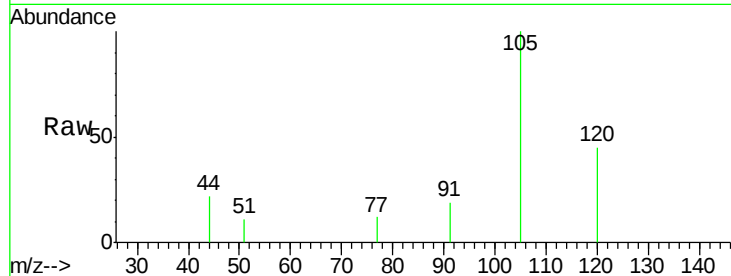




#85
 sec-Butylbenzene
 Concen: 0.397 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.13 min
 Lab File: VN062734.D
 Acq: 3 Aug 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 I-OC-5

Tot Ion:105 Resp: 2577
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#



#95
 Naphthalene
 Concen: 95.262 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. -0.00 min
 Lab File: VN062734.D
 Acq: 3 Aug 2020 14:37

Tgt Ion:128 Resp: 391793
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.4 15.6
 129 10.6 8.7 13.1

