

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062735.D
 Acq On : 3 Aug 2020 15:01
 Operator : JC/MD
 Sample : L3539-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I-LDC-5

Quant Time: Aug 04 03:31:13 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	126472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	221869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87436	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	107688	54.81	ug/l	0.00
Spiked Amount						
						Recovery = 109.62%
35) Dibromofluoromethane	7.55	113	73031	50.11	ug/l	0.00
Spiked Amount						
						Recovery = 100.22%
50) Toluene-d8	10.06	98	291200	50.08	ug/l	0.00
Spiked Amount						
						Recovery = 100.16%
62) 4-Bromofluorobenzene	12.38	95	108657	51.11	ug/l	0.00
Spiked Amount						
						Recovery = 102.22%

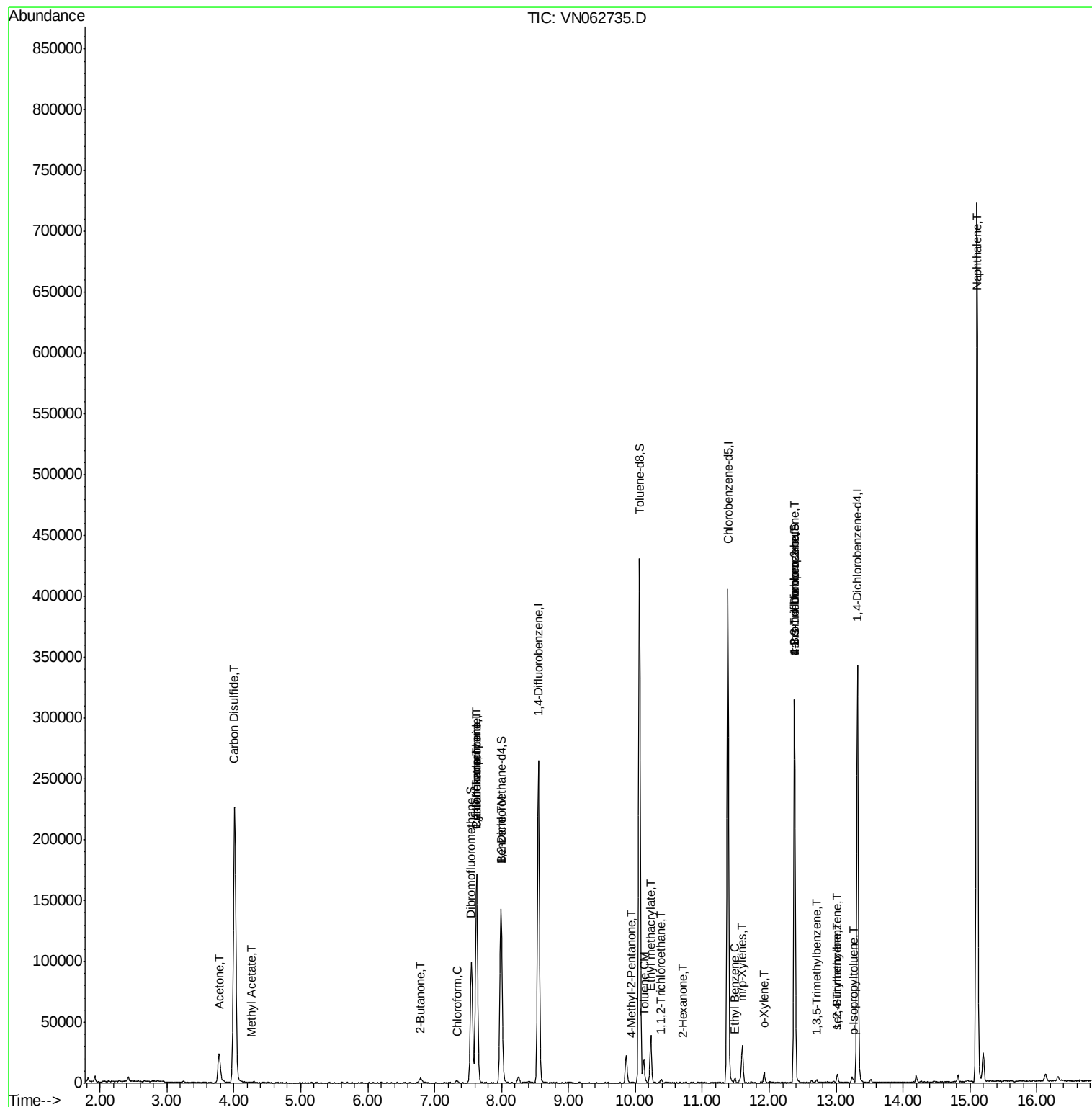
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	41474	56.097	ug/l	98
17) Carbon Disulfide	4.01	76	449654	101.059	ug/l	99
18) Methyl Acetate	4.27	43	435	0.232	ug/l #	56
25) 2-Butanone	6.79	43	6132	5.446	ug/l	91
30) Chloroform	7.33	83	2567	0.861	ug/l	93
31) Cyclohexane	7.62	56	3145	1.086	ug/l #	6
36) 1,1-Dichloropropene	7.63	75	11575	4.895	ug/l #	50
38) Carbon Tetrachloride	7.63	117	13170	5.794	ug/l #	17
40) Benzene	8.00	78	40788	5.697	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	514	0.209	ug/l #	38
52) Toluene	10.13	92	7865	1.892	ug/l	95
55) 1,1,2-Trichloroethane	10.39	97	3170	1.966	ug/l #	13
56) Ethyl methacrylate	10.23	69	1943	2.416	ug/l #	1
59) 2-Hexanone	10.72	43	124	3.023	ug/l #	26
67) Ethyl Benzene	11.49	91	3282	0.388	ug/l	93
68) m/p-Xylenes	11.59	106	6347	2.087	ug/l	93
69) o-Xylene	11.92	106	2356	0.816	ug/l	85
76) 1,2,3-Trichloropropane	12.38	75	62074	27.891	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1414	0.247	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62074	77.643	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.02	105	4189	0.745	ug/l	97
85) sec-Butylbenzene	13.02	105	4189	0.657	ug/l #	58
86) p-Isopropyltoluene	13.27	119	1254	0.229	ug/l	83
95) Naphthalene	15.10	128	575827	140.710	ug/l	99

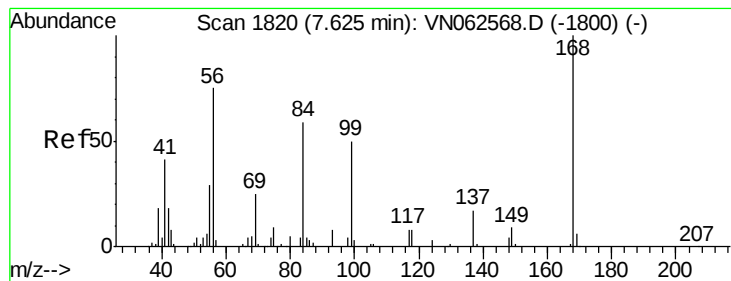
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1820

Delta R.T. 0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

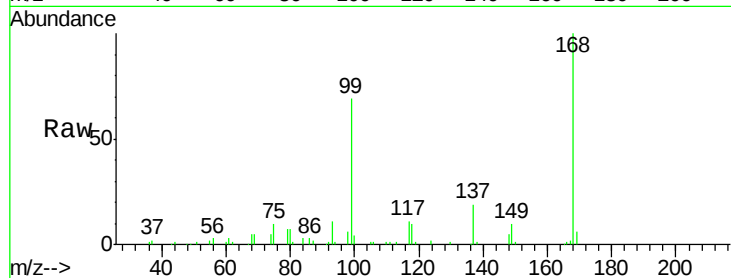
I-LDC-5

Tot Ion:168 Resp: 126472

Ion Ratio Lower Upper

168 100

99 69.2 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

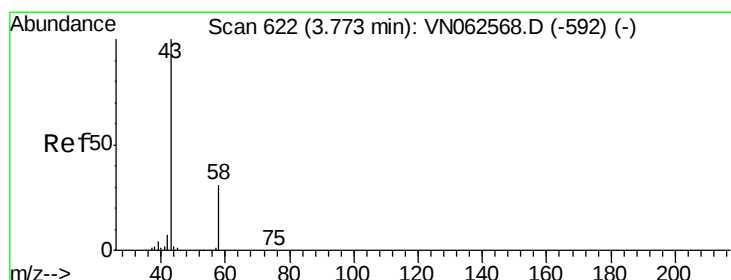
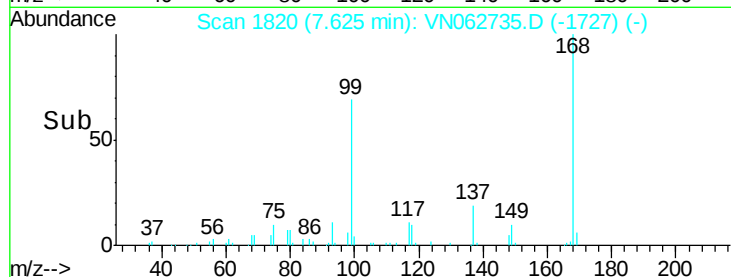
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 56.097 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062735.D

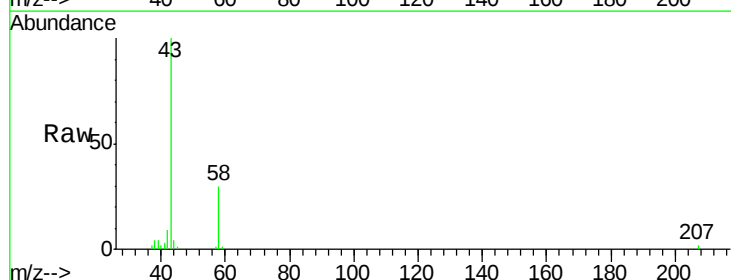
Acq: 3 Aug 2020 15:01

Tgt Ion: 43 Resp: 41474

Ion Ratio Lower Upper

43 100

58 29.6 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

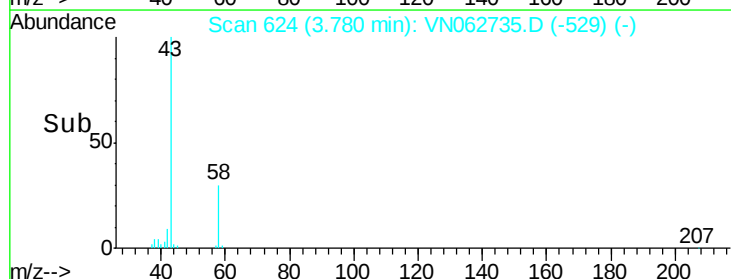
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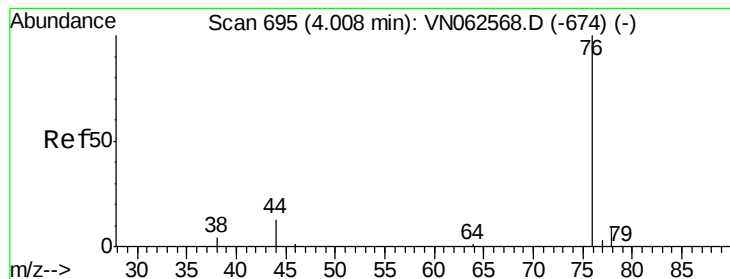
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 101.059 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

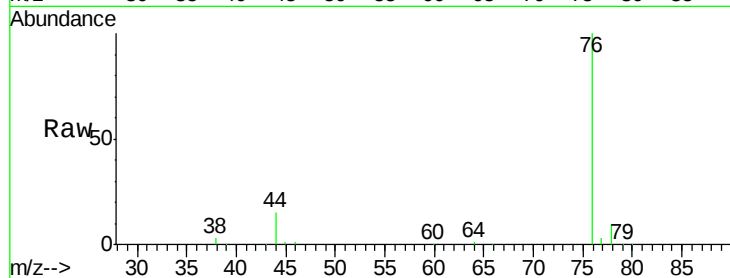
I-LDC-5

Tot Ion: 76 Resp: 449654

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062735.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062735.D (-674) (-)

4.01

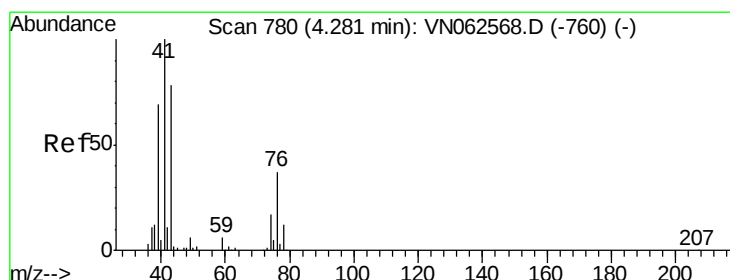
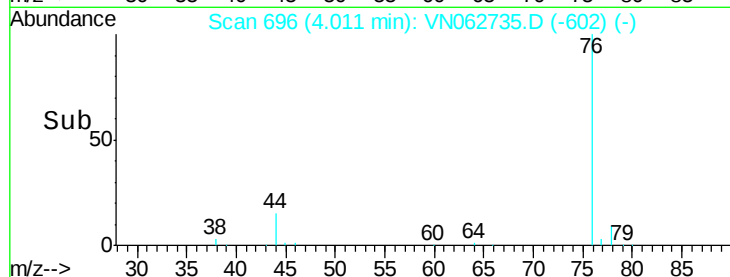
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 0.232 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062735.D

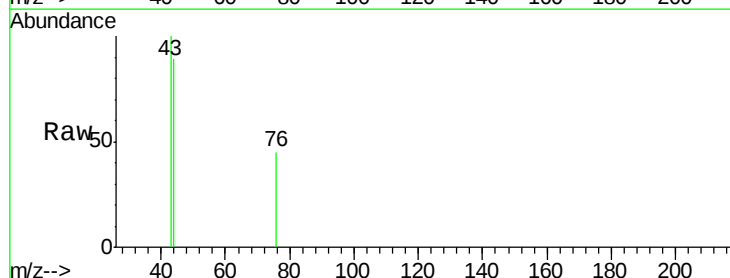
Acq: 3 Aug 2020 15:01

Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062735.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062735.D (-687) (-)

4.27

600

500

400

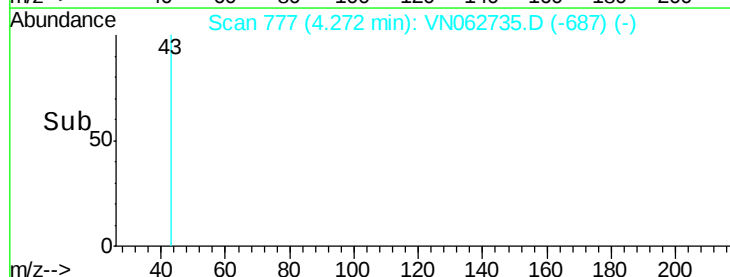
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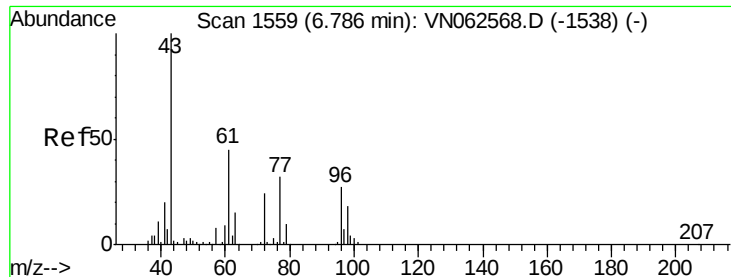
200

100

0

Time-->

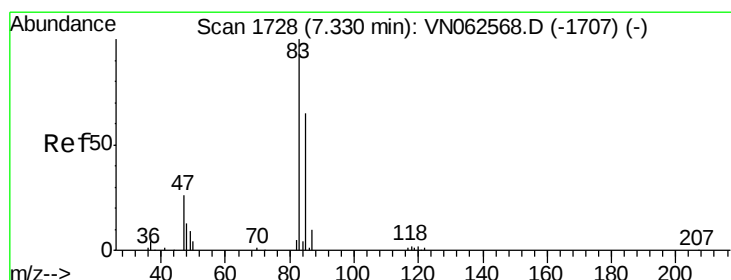
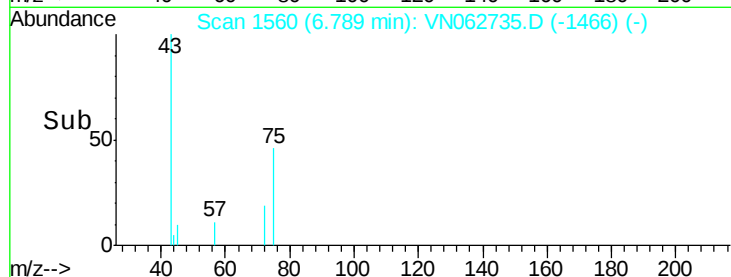
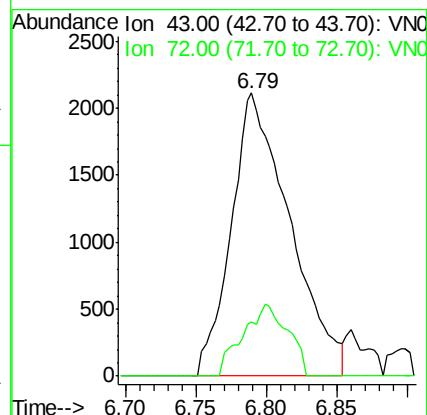
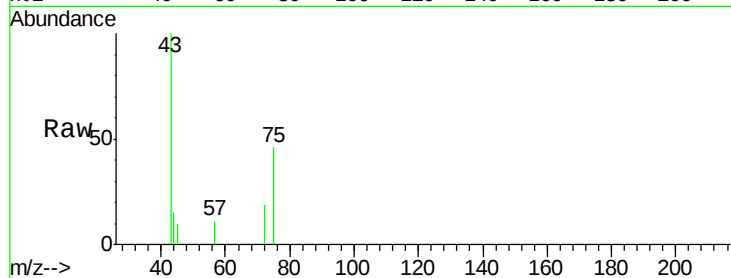




#25
 2-Butanone
 Concen: 5.446 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

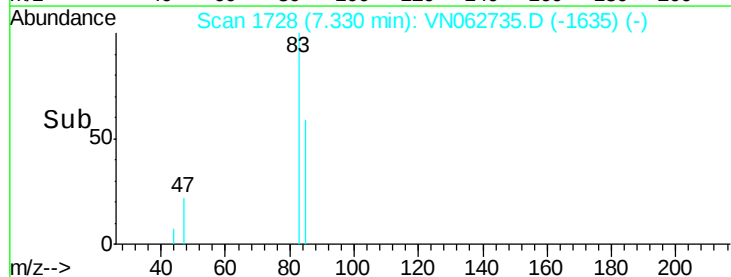
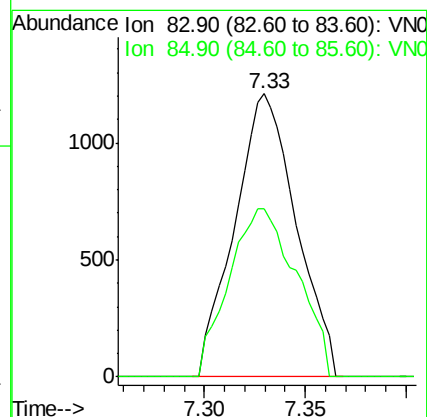
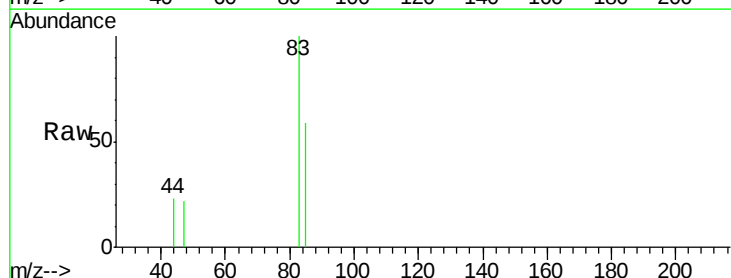
Instrument :
 MSVOA_N
 ClientSampleId :
 I-LDC-5

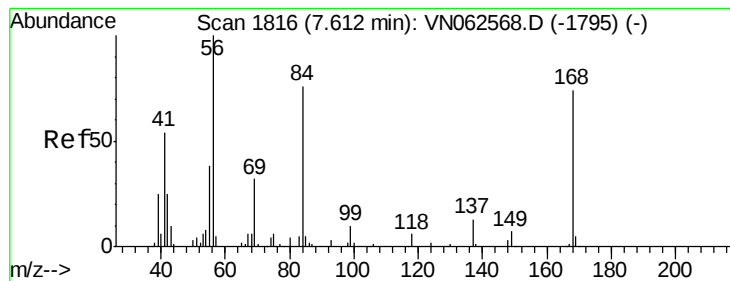
Tot Ion: 43 Resp: 6132
 Ion Ratio Lower Upper
 43 100
 72 19.3 19.0 28.6



#30
 Chloroform
 Concen: 0.861 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Tgt Ion: 83 Resp: 2567
 Ion Ratio Lower Upper
 83 100
 85 59.2 52.0 78.0





#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

I-LDC-5

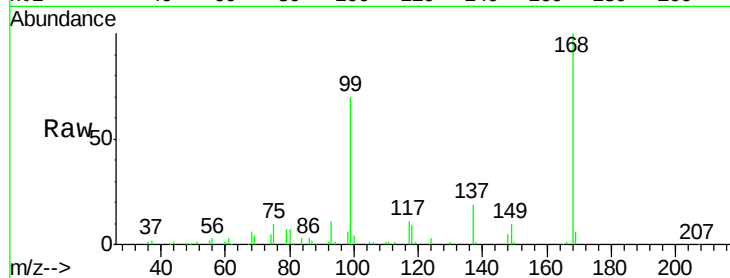
Tot Ion: 56 Resp: 3145

Ion Ratio Lower Upper

56 100

69 165.2 25.3 37.9#

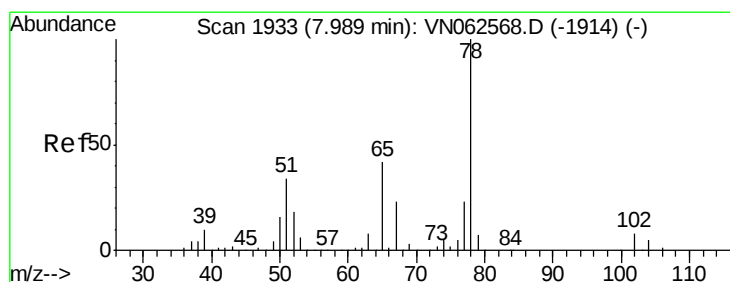
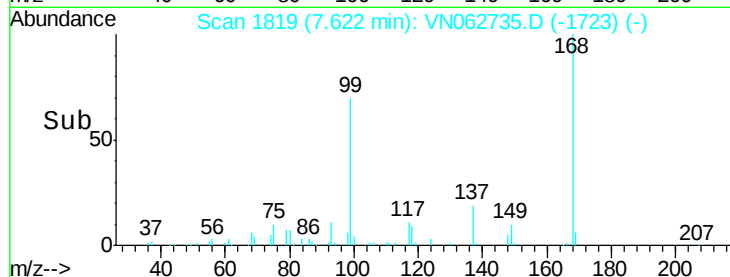
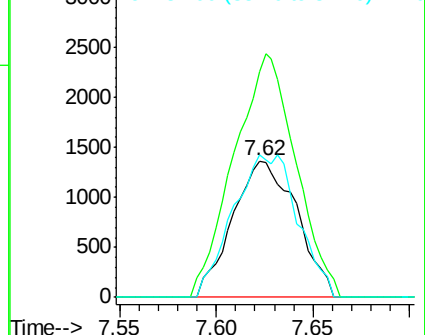
84 104.1 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.812 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062735.D

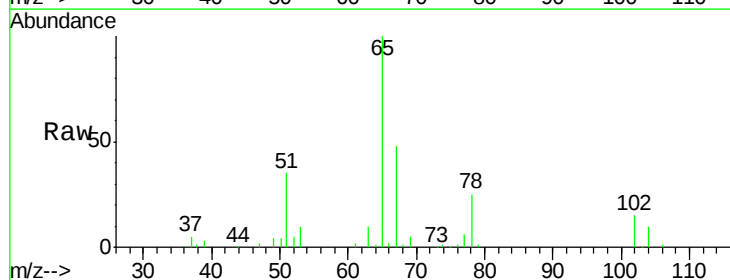
Acq: 3 Aug 2020 15:01

Tgt Ion: 65 Resp: 107688

Ion Ratio Lower Upper

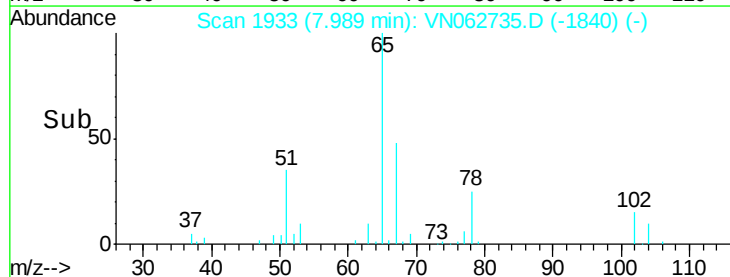
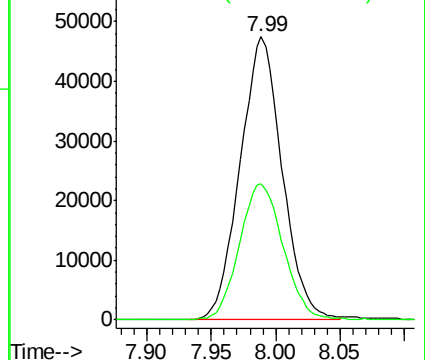
65 100

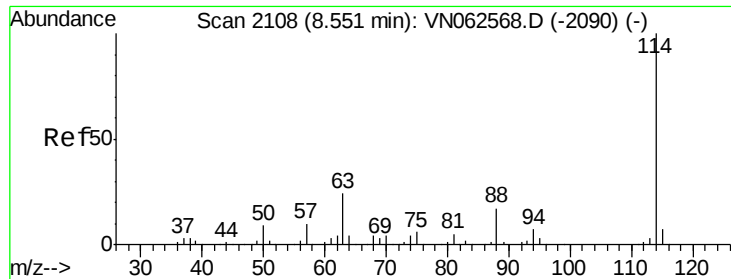
67 50.1 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

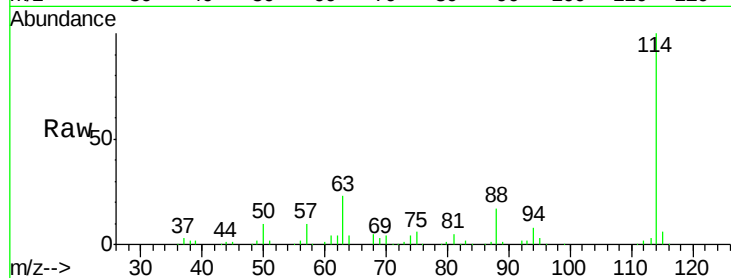




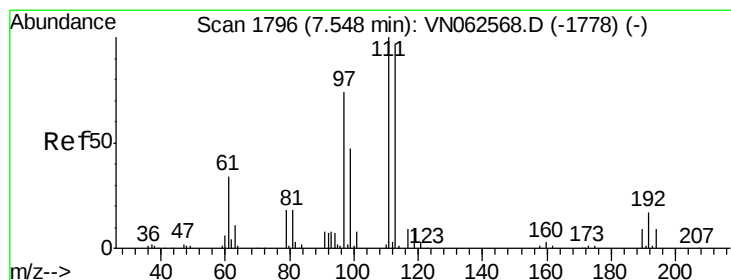
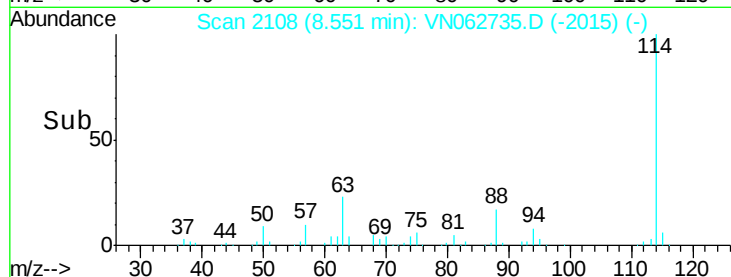
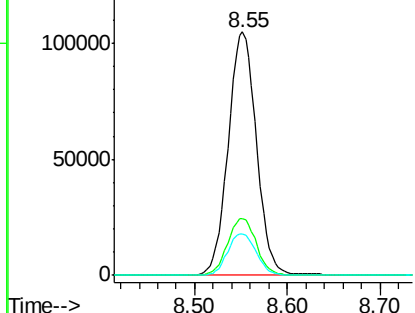
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Instrument :
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 ClientSampled :
 I-LDC-5

Tot Ion:114 Resp: 221869
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.4
 88 17.1 0.0 33.8

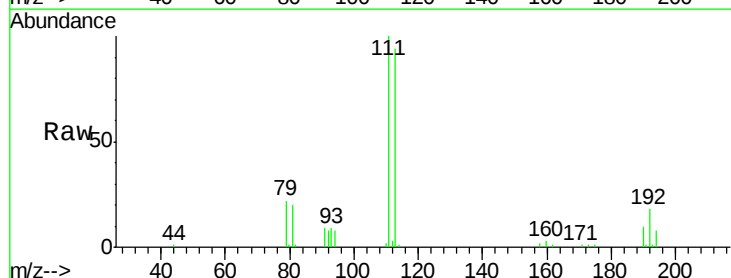


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

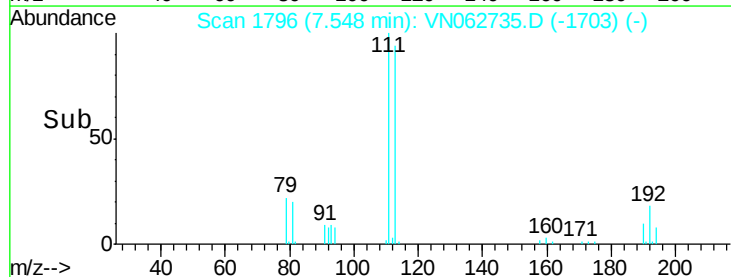
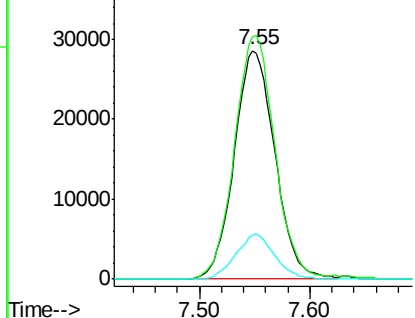


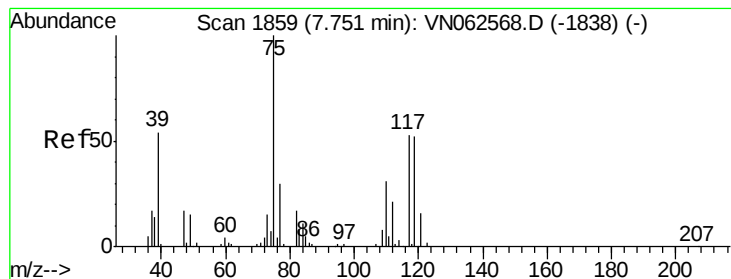
#35
 Dibromofluoromethane
 Concen: 50.112 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Tgt Ion:113 Resp: 73031
 Ion Ratio Lower Upper
 113 100
 111 105.2 82.7 124.1
 192 18.7 14.8 22.2



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





#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

I-LDC-5

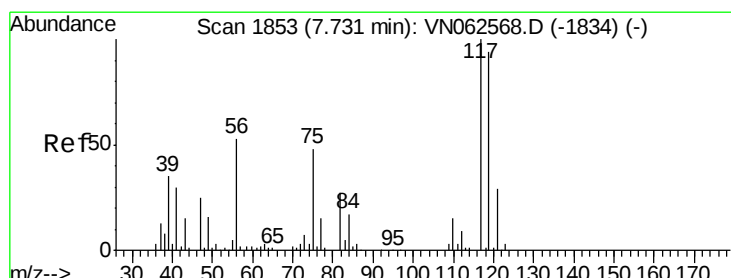
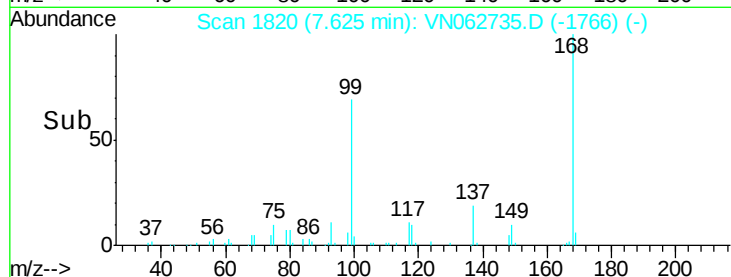
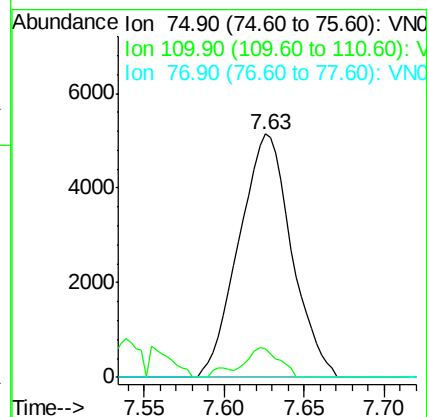
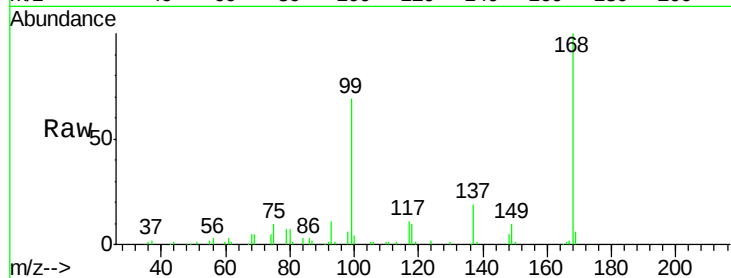
Tot Ion: 75 Resp: 11575

Ion Ratio Lower Upper

75 100

110 7.3 16.0 48.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.794 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

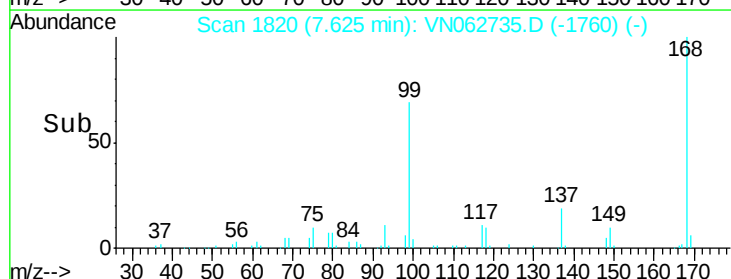
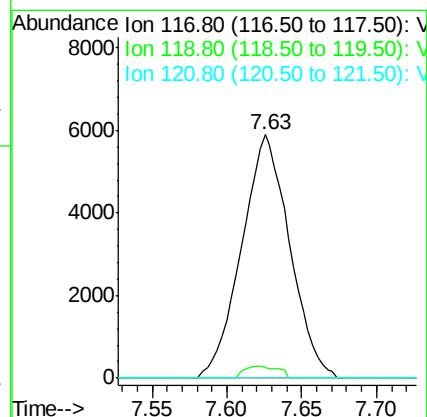
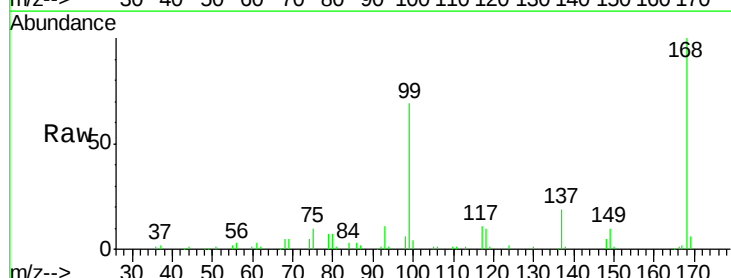
Tgt Ion: 117 Resp: 13170

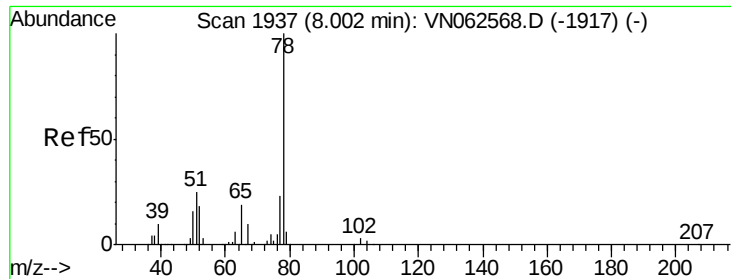
Ion Ratio Lower Upper

117 100

119 4.6 74.8 112.2#

121 0.0 23.0 34.6#

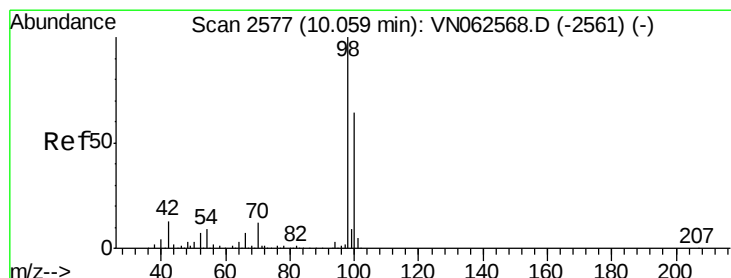
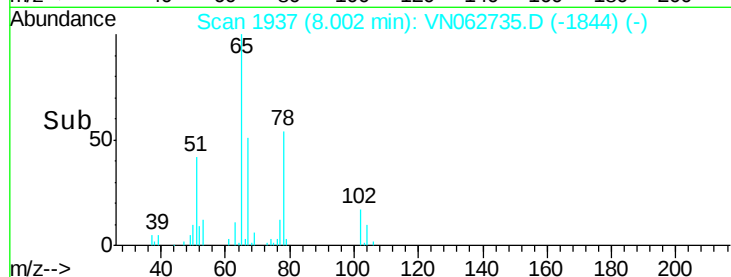
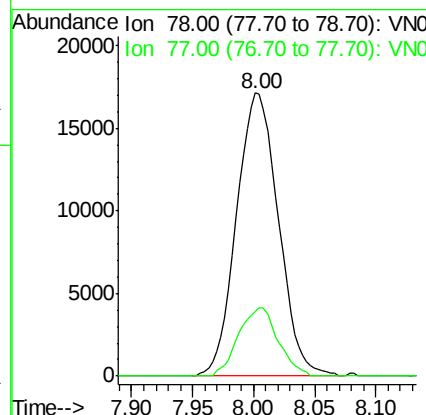
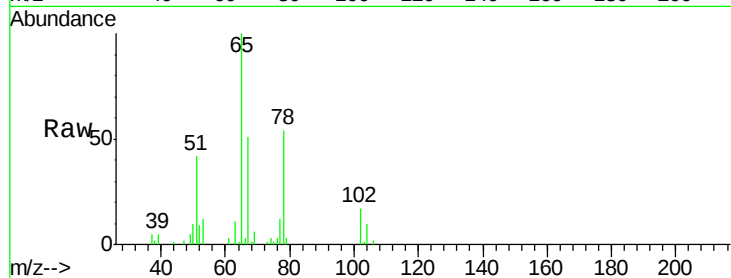




#40
Benzene
Concen: 5.697 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062735.D
Acq: 3 Aug 2020 15:01

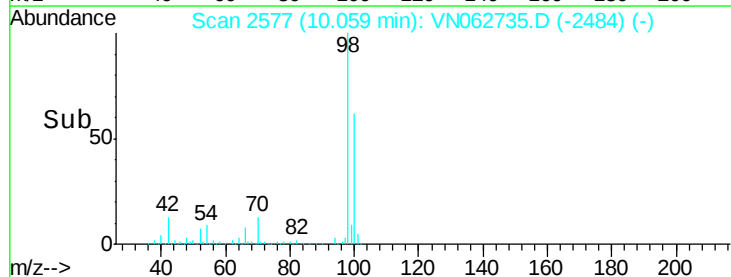
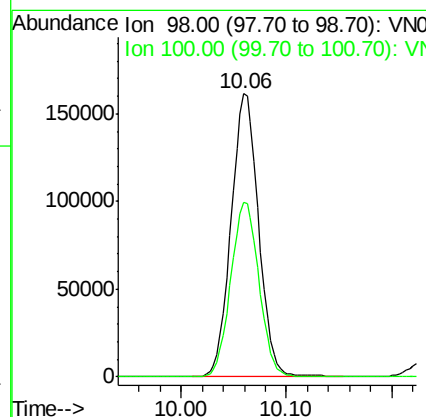
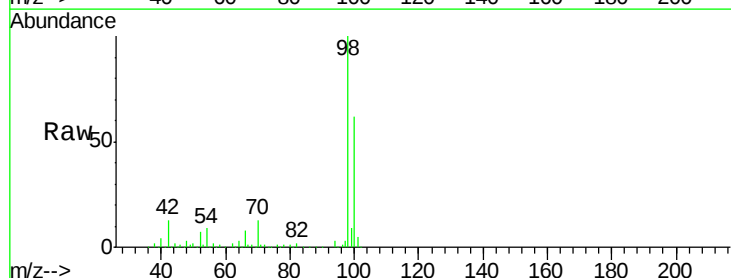
Instrument :
MSVOA_N
ClientSampleId :
I-LDC-5

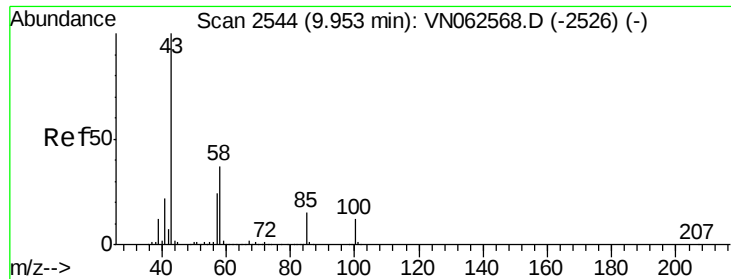
Tot Ion: 78 Resp: 40788
Ion Ratio Lower Upper
78 100
77 22.7 18.7 28.1



#50
Toluene-d8
Concen: 50.079 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062735.D
Acq: 3 Aug 2020 15:01

Tgt Ion: 98 Resp: 291200
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.209 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

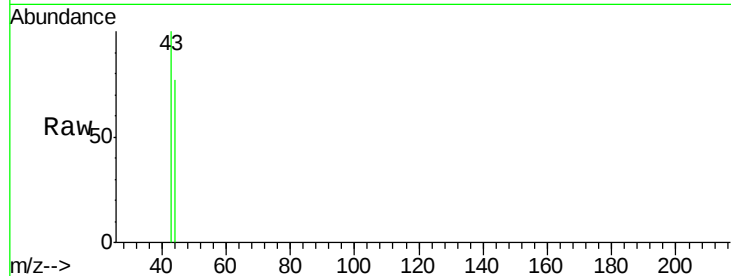
I-LDC-5

Tot Ion: 43 Resp: 514

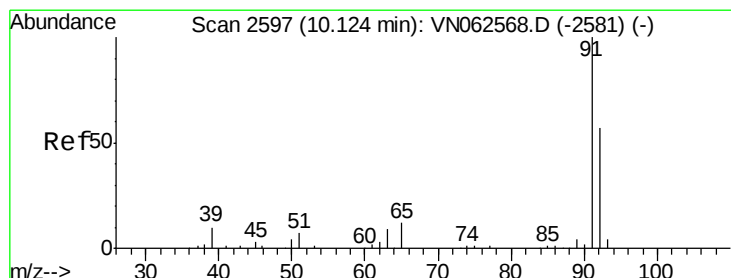
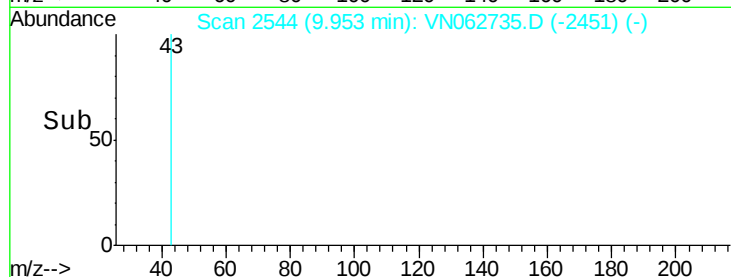
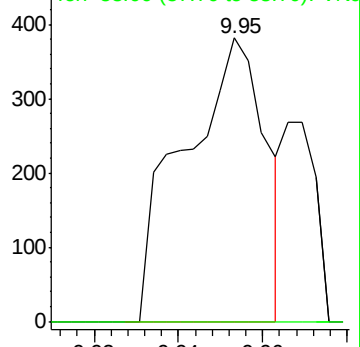
Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VN062735.D (-2451) (-)



#52

Toluene

Concen: 1.892 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062735.D

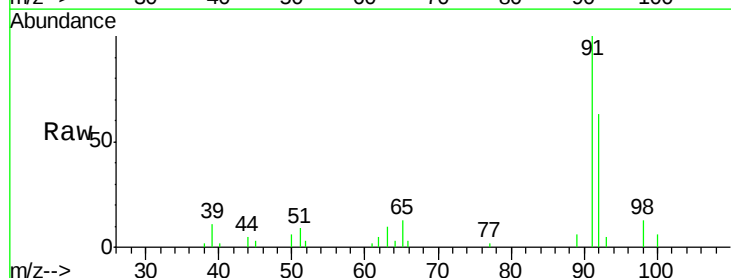
Acq: 3 Aug 2020 15:01

Tgt Ion: 92 Resp: 7865

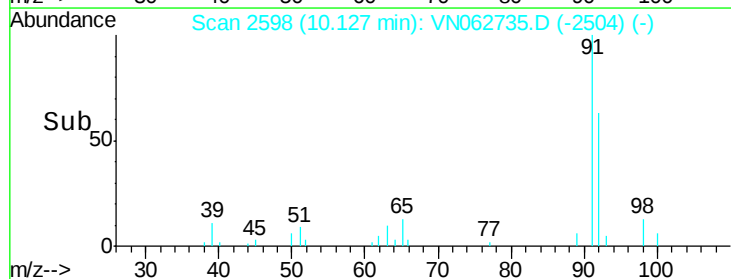
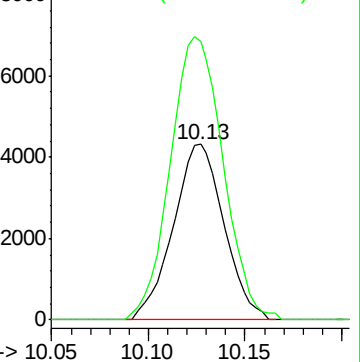
Ion Ratio Lower Upper

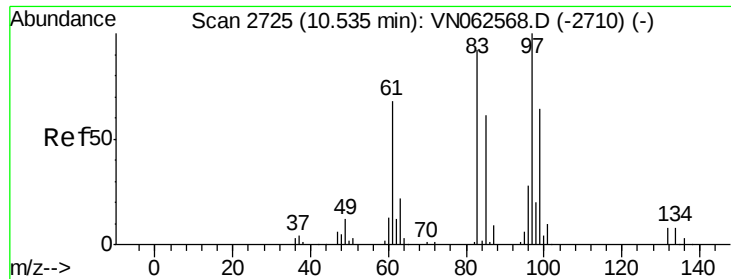
92 100

91 167.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062735.D (-2504) (-)

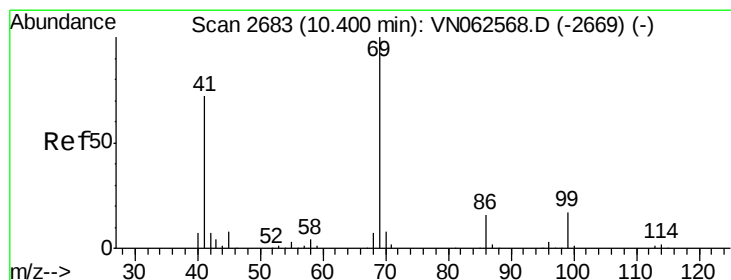
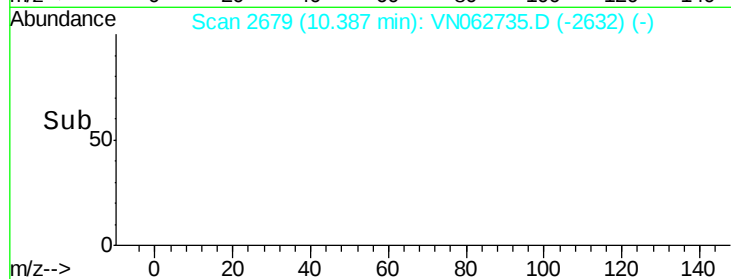
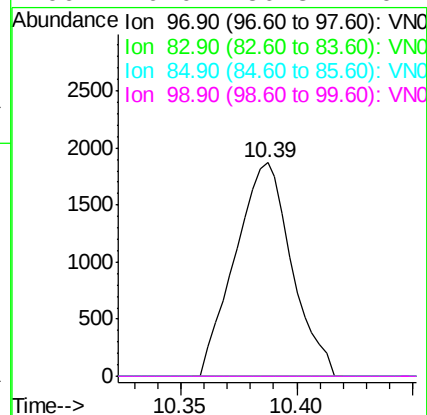
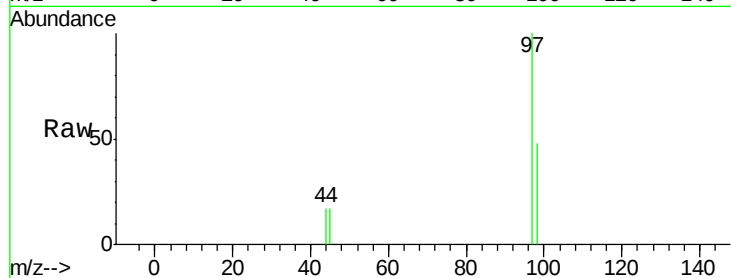




#55
 1,1,2-Trichloroethane
 Concen: 1.966 ug/l
 RT: 10.39 min Scan# 2679
 Delta R.T. -0.15 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

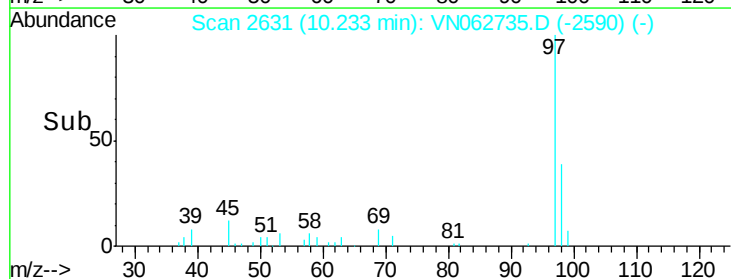
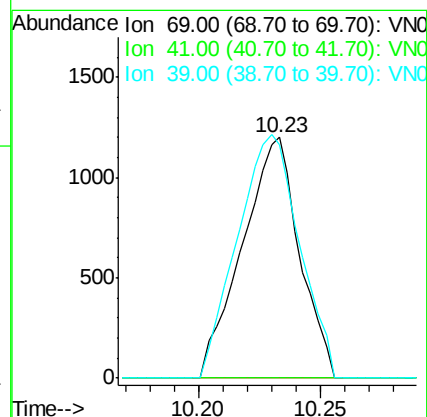
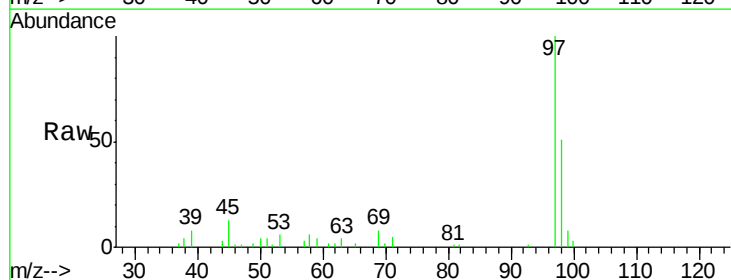
Instrument :
 MSVOA_N
 ClientSampleId :
 I-LDC-5

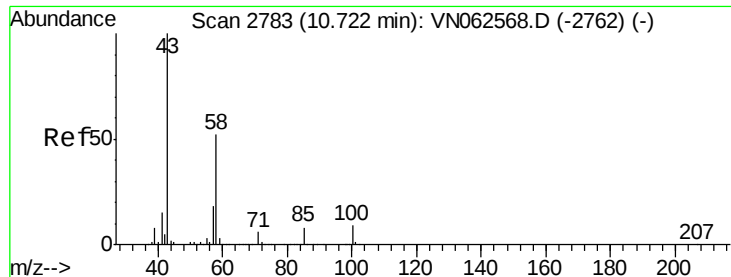
Tot Ion: 97 Resp: 3170
 Ion Ratio Lower Upper
 97 100
 83 0.0 73.7 110.5#
 85 0.0 48.5 72.7#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 2.416 ug/l
 RT: 10.23 min Scan# 2631
 Delta R.T. -0.17 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Tgt Ion: 69 Resp: 1943
 Ion Ratio Lower Upper
 69 100
 41 0.0 57.2 85.8#
 39 110.1 28.6 43.0#





#59

2-Hexanone

Concen: 3.023 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

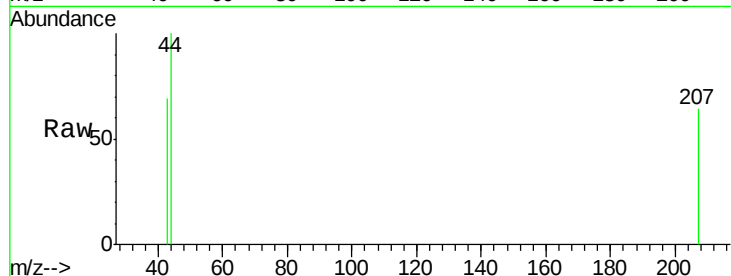
I-LDC-5

Tot Ion: 43 Resp: 124

Ion Ratio Lower Upper

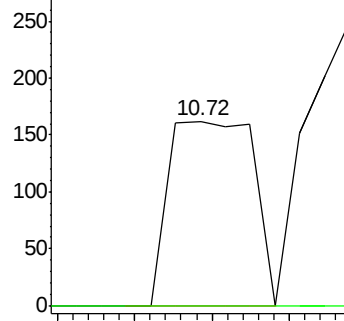
43 100

58 0.0 26.0 78.0#

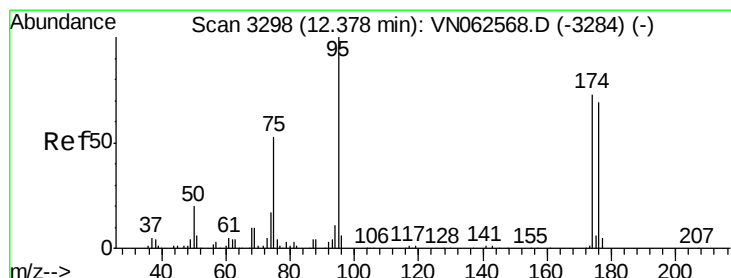
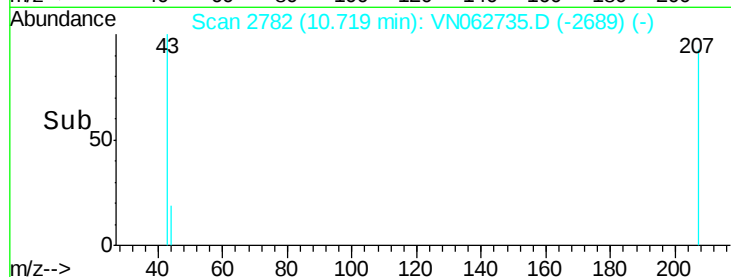


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.70 10.71 10.72 10.73



#62

4-Bromofluorobenzene

Concen: 51.106 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

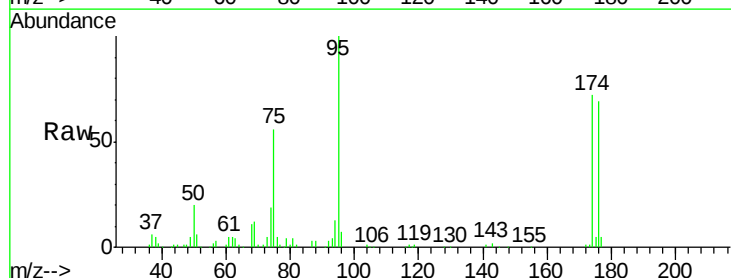
Tgt Ion: 95 Resp: 108657

Ion Ratio Lower Upper

95 100

174 73.0 0.0 144.6

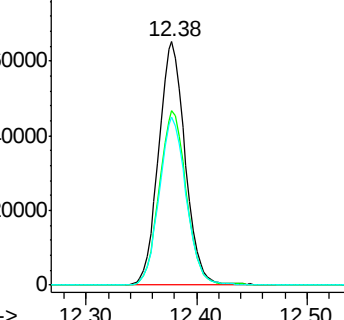
176 70.2 0.0 139.4



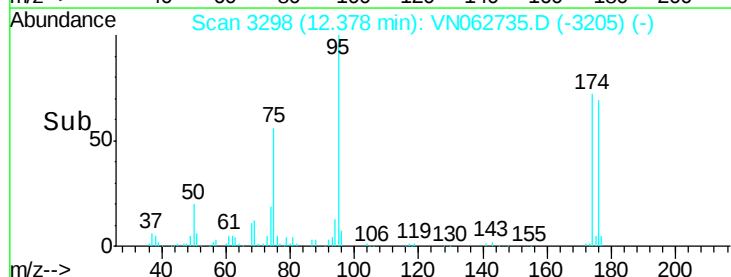
Abundance Ion 94.90 (94.60 to 95.60): VN0

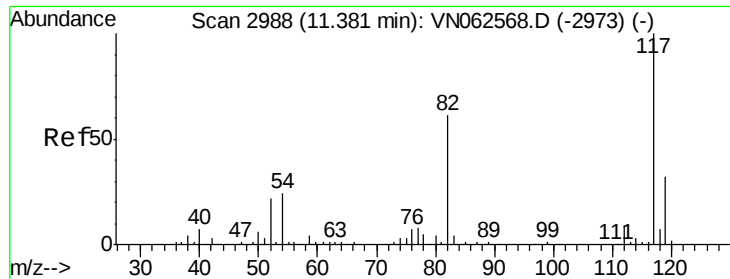
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.40 12.50

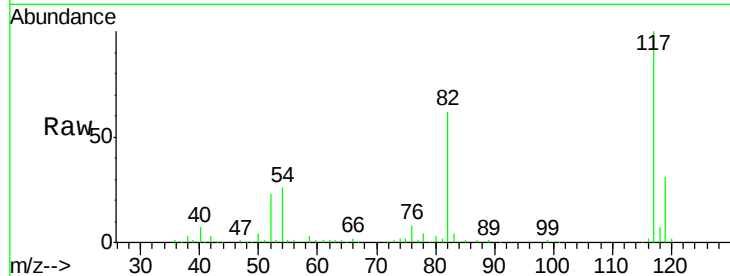




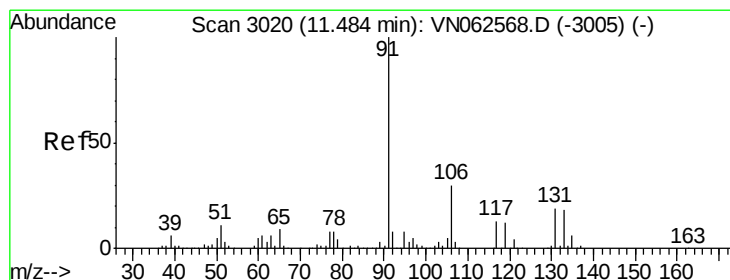
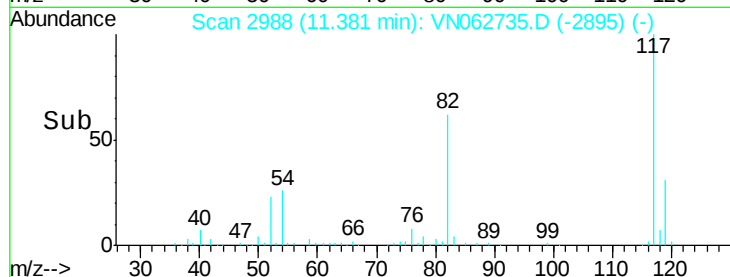
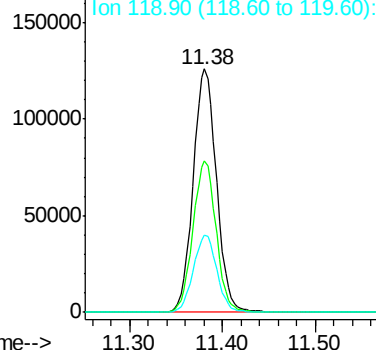
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062735.D
Acq: 3 Aug 2020 15:01

Instrument :
MSVOA_N
ClientSampled :
I-LDC-5

Tot Ion:117 Resp: 220114
Ion Ratio Lower Upper
117 100
82 62.2 49.0 73.6
119 31.5 25.4 38.2

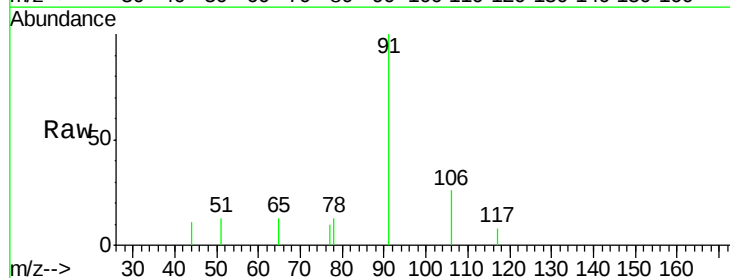


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

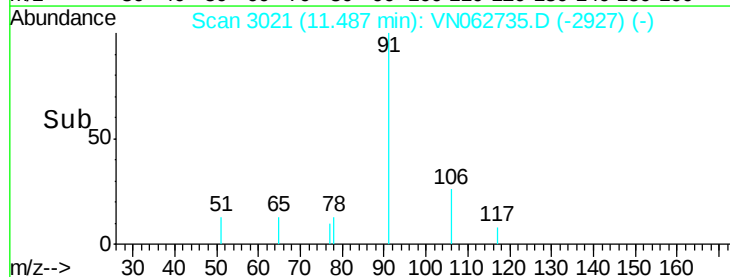
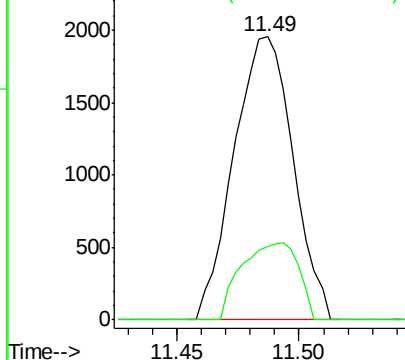


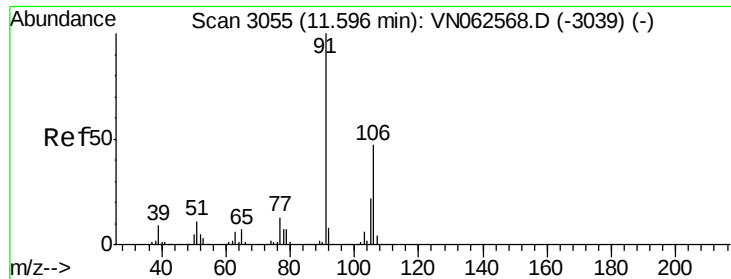
#67
Ethyl Benzene
Concen: 0.388 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062735.D
Acq: 3 Aug 2020 15:01

Tgt Ion: 91 Resp: 3282
Ion Ratio Lower Upper
91 100
106 25.9 23.8 35.8



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

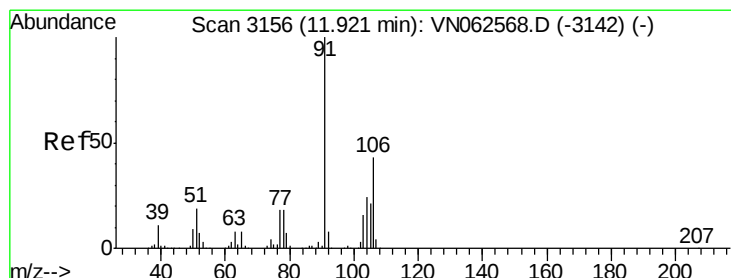
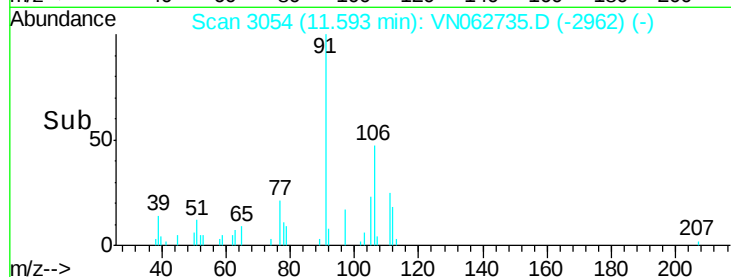
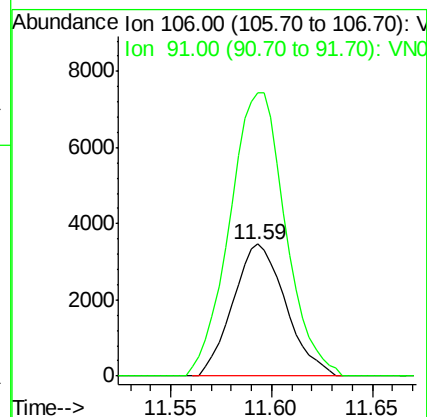
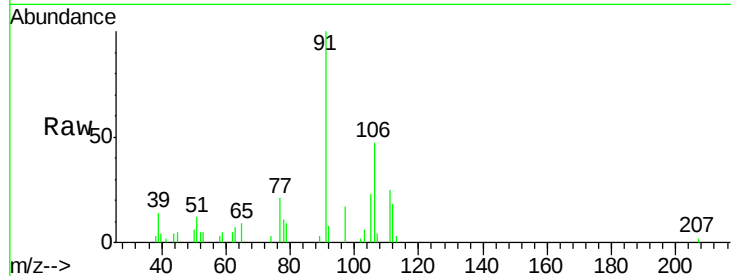




#68
m/p-Xylenes
Concen: 2.087 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062735.D
Acq: 3 Aug 2020 15:01

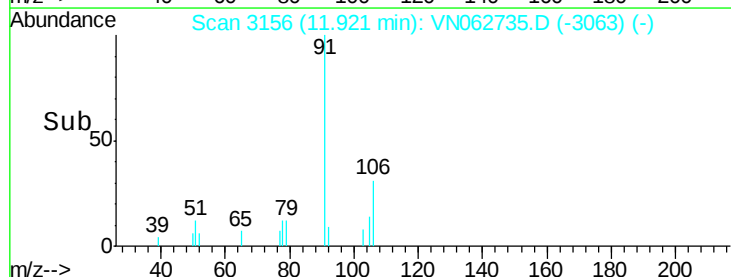
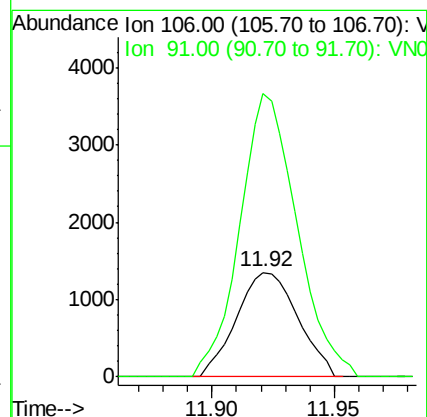
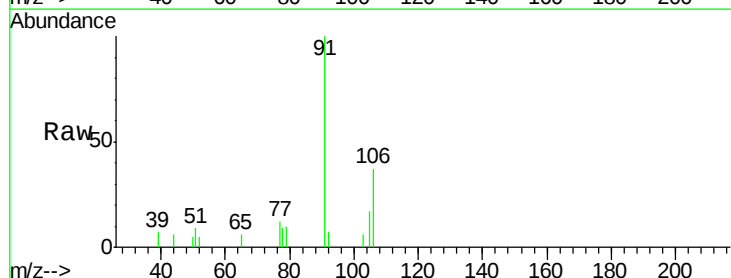
Instrument :
MSVOA_N
ClientSampled :
I-LDC-5

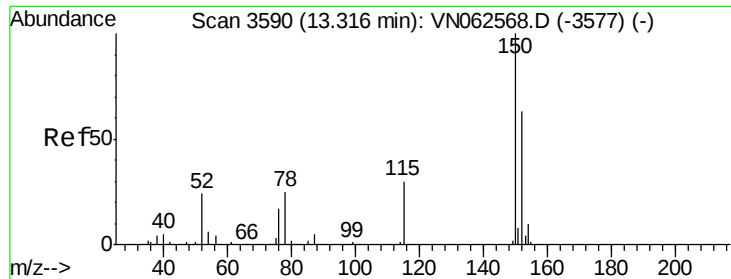
Tot Ion:106 Resp: 6347
Ion Ratio Lower Upper
106 100
91 226.0 171.4 257.2



#69
o-Xylene
Concen: 0.816 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062735.D
Acq: 3 Aug 2020 15:01

Tgt Ion:106 Resp: 2356
Ion Ratio Lower Upper
106 100
91 252.2 113.8 341.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

I-LDC-5

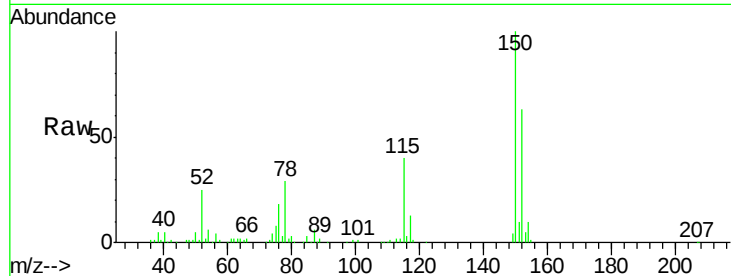
Tot Ion:152 Resp: 87436

Ion Ratio Lower Upper

152 100

115 64.6 31.8 95.4

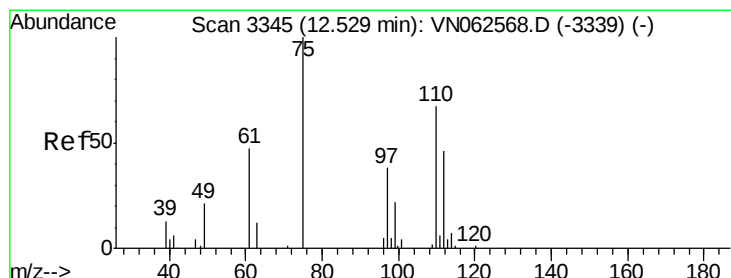
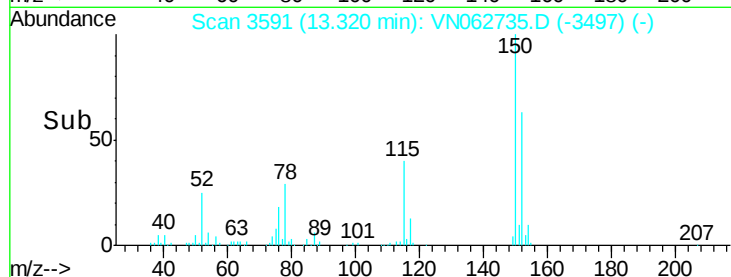
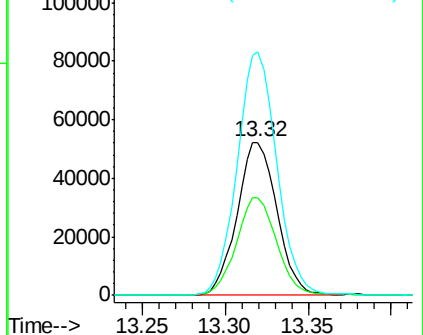
150 158.4 0.0 351.4



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: 27.891 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062735.D

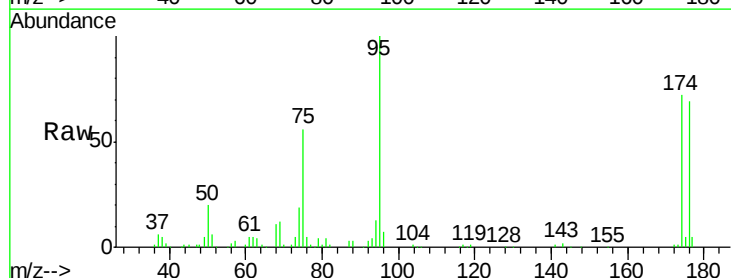
Acq: 3 Aug 2020 15:01

Tgt Ion: 75 Resp: 62074

Ion Ratio Lower Upper

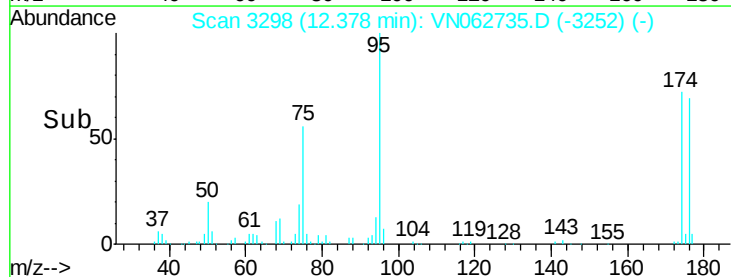
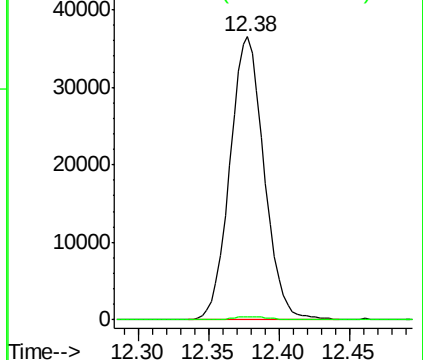
75 100

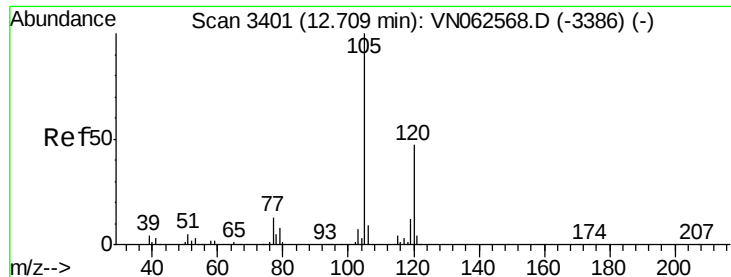
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.247 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

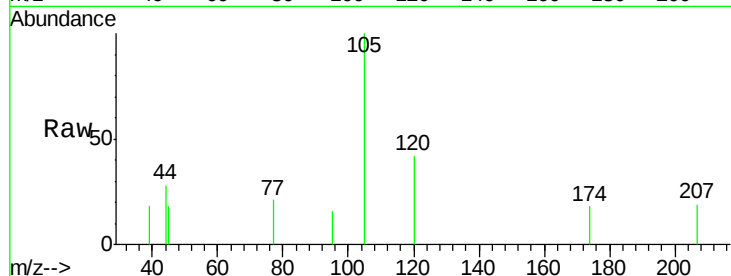
I-LDC-5

Tot Ion:105 Resp: 1414

Ion Ratio Lower Upper

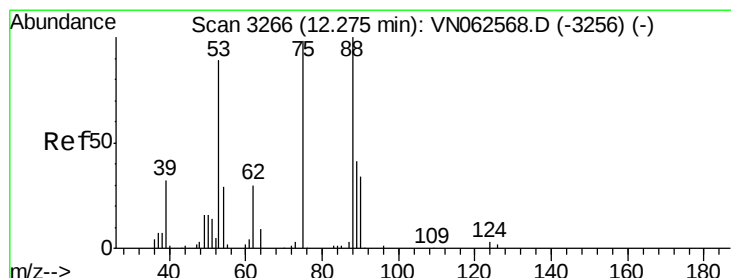
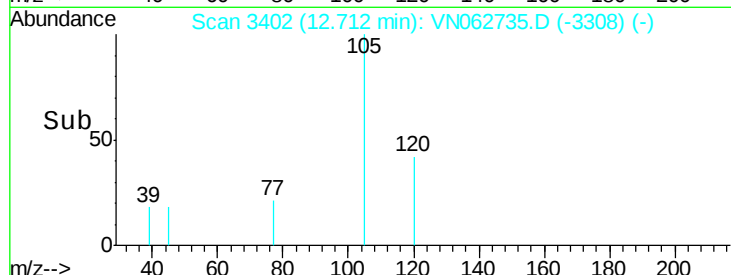
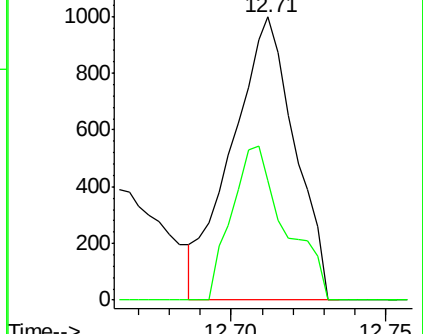
105 100

120 46.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 77.643 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062735.D

Acq: 3 Aug 2020 15:01

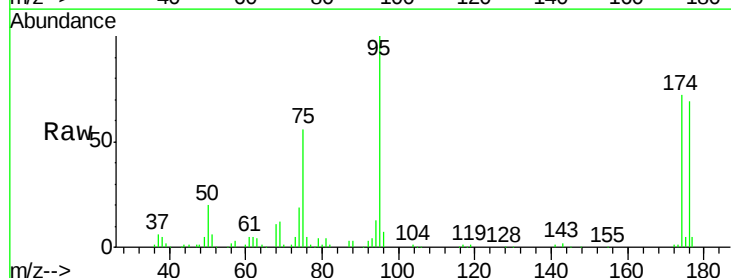
Tgt Ion: 75 Resp: 62074

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

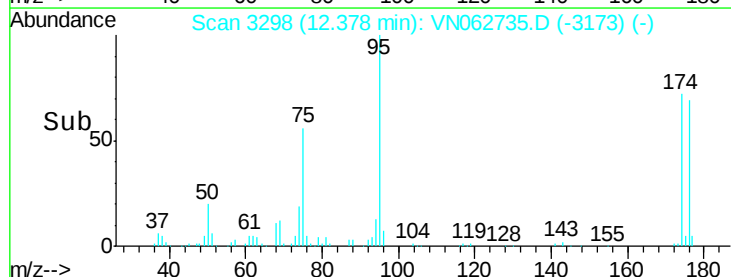
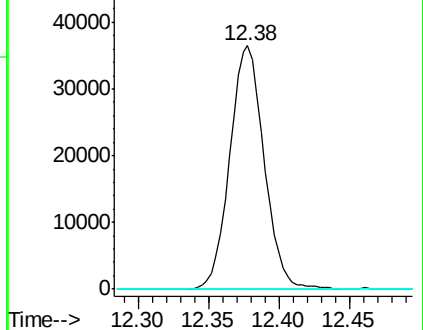
89 0.0 34.5 51.7#

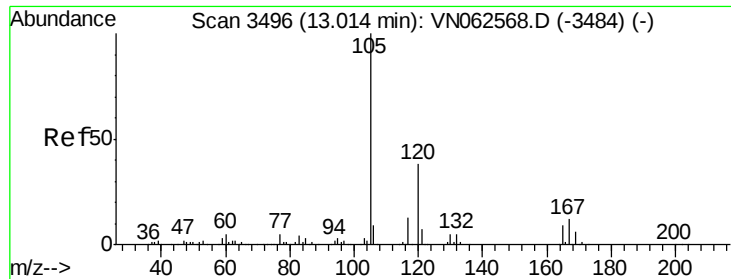


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

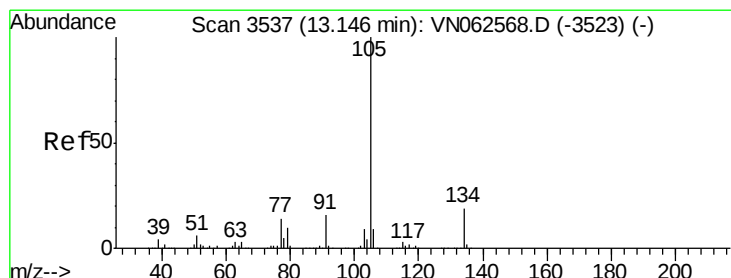
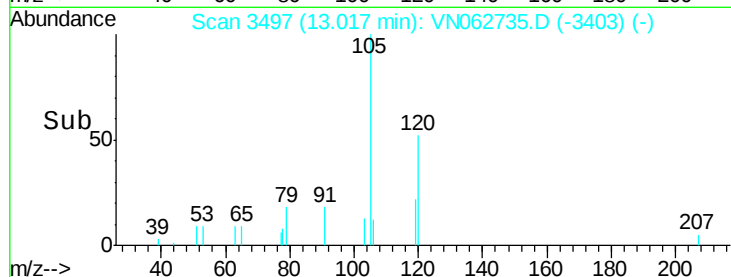
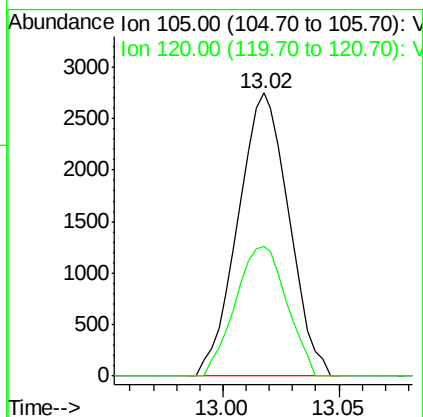
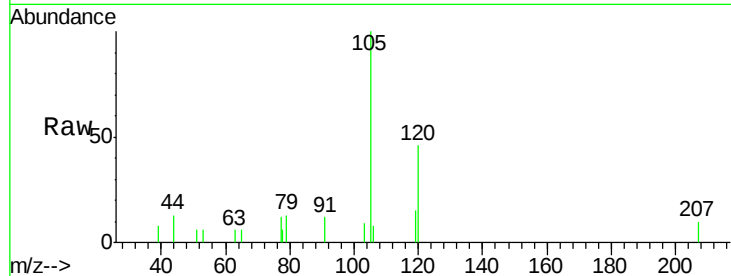




#84
 1,2,4-Trimethylbenzene
 Concen: 0.745 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

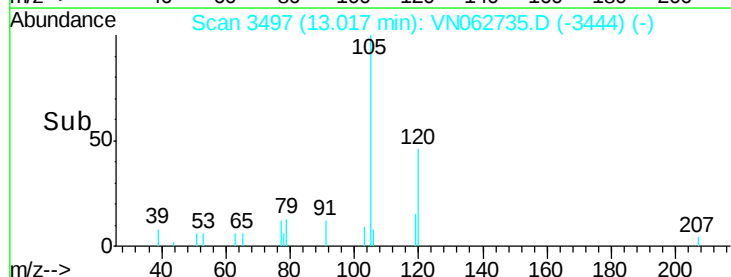
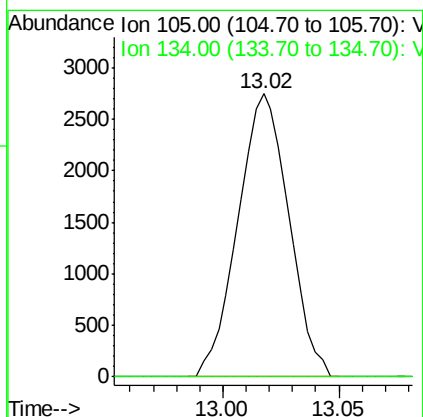
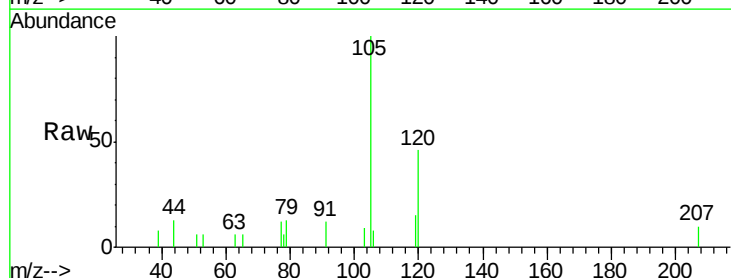
Instrument :
 MSVOA_N
 ClientSampled :
 I-LDC-5

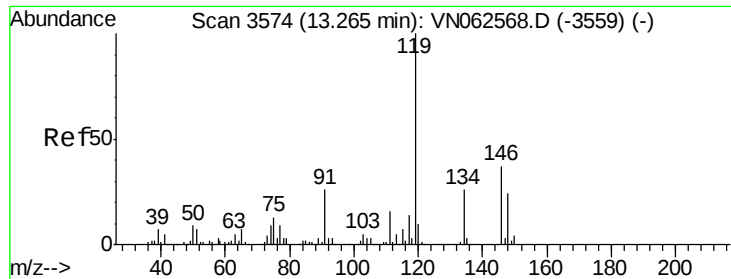
Tot Ion:105 Resp: 4189
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.1 66.3



#85
 sec-Butylbenzene
 Concen: 0.657 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.13 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Tgt Ion:105 Resp: 4189
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#

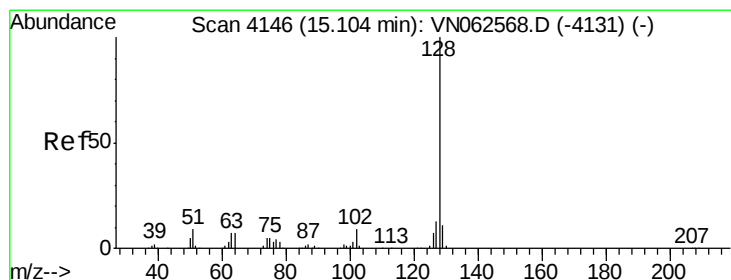
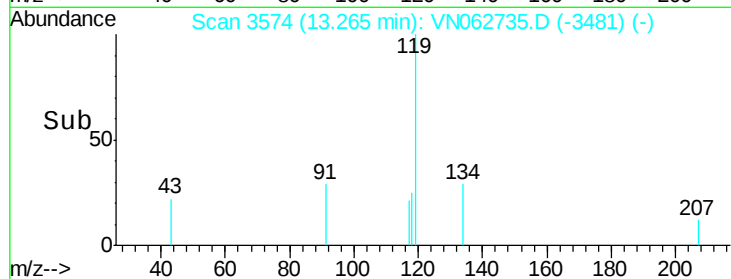
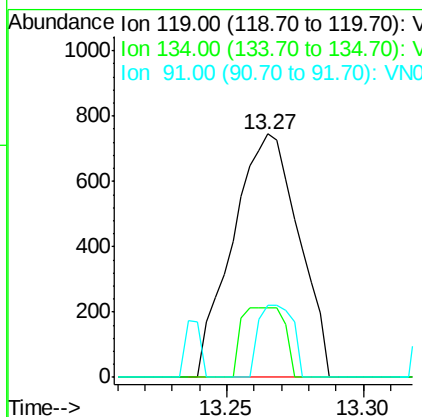
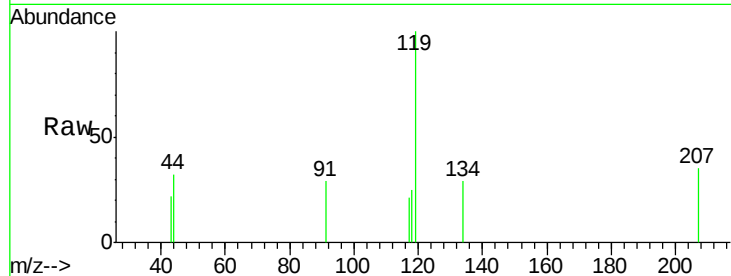




#86
 p-Isopropyltoluene
 Concen: 0.229 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 I-LDC-5

Tot Ion	Ratio	Lower	Upper
119	100		
134	18.3	12.8	38.4
91	15.3	12.7	38.1



#95
 Naphthalene
 Concen: 140.710 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062735.D
 Acq: 3 Aug 2020 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.7	13.1

