

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112619\
 Data File : VN059402.D
 Acq On : 26 Nov 2019 13:40
 Operator : JC/SP
 Sample : K5900-08DL 250X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 30698DL2

Quant Time: Nov 26 14:22:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	365485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	563043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	484076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	181049	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	203718	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.57	113	168794	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.08	98	675573	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	214472	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

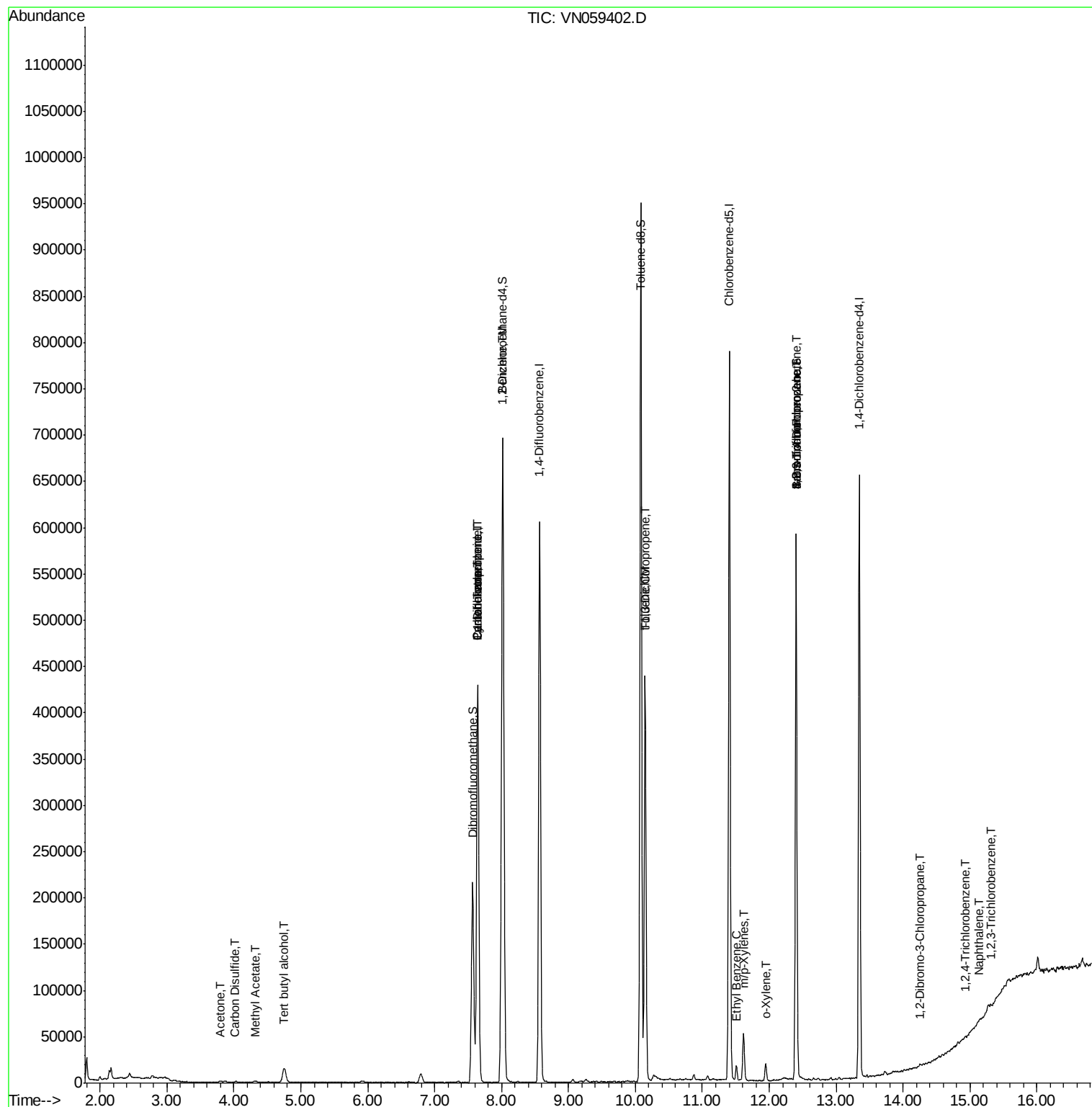
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	31392	35.755	ug/l #	83
16) Acetone	3.80	43	2351	1.196	ug/l #	83
17) Carbon Disulfide	4.03	76	1715	0.278	ug/l #	75
18) Methyl Acetate	4.31	43	2309	0.354	ug/l #	61
31) Cyclohexane	7.64	56	8064	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	25914	4.458	ug/l #	50
38) Carbon Tetrachloride	7.64	117	33426	6.007	ug/l #	17
40) Benzene	8.02	78	589374	34.548	ug/l	100
52) Toluene	10.15	92	197242	19.228	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	2082	0.320	ug/l #	1
67) Ethyl Benzene	11.51	91	11427	0.615	ug/l	100
68) m/p-Xylenes	11.62	106	16682	2.416	ug/l	99
69) o-Xylene	11.95	106	5395	0.816	ug/l	96
71) Bromoform	12.40	173	1196	0.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	103265	24.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	103265	61.750	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.26	75	259	0.248	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	579	3.080	ug/l #	54
95) Naphthalene	15.14	128	2020	3.346	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	907	2.132	ug/l	77

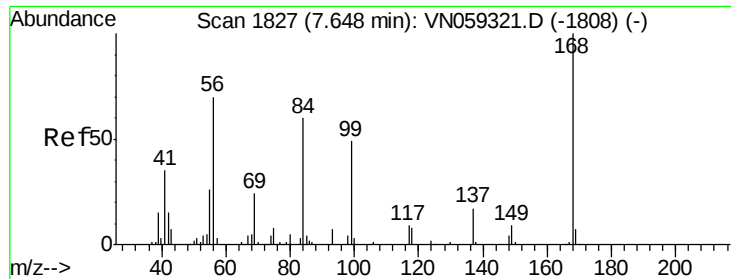
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 21 08:44:45 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

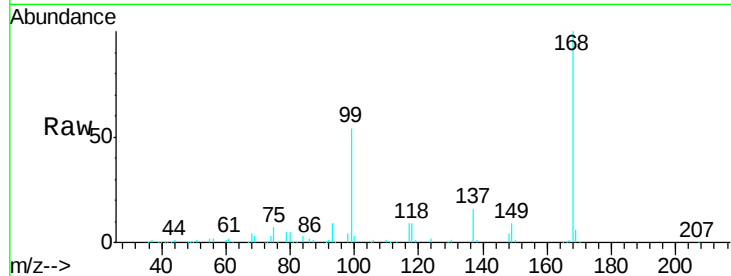
30698DL2

Tgt Ion:168 Resp: 365485

Ion Ratio Lower Upper

168 100

99 54.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

150000

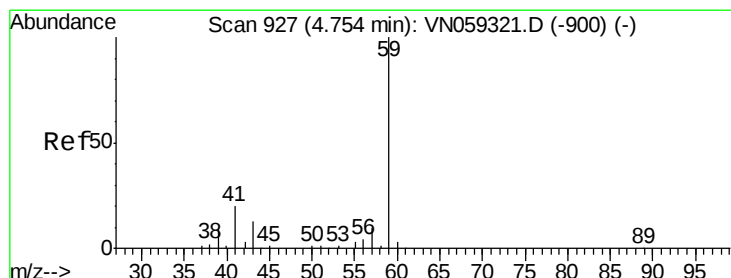
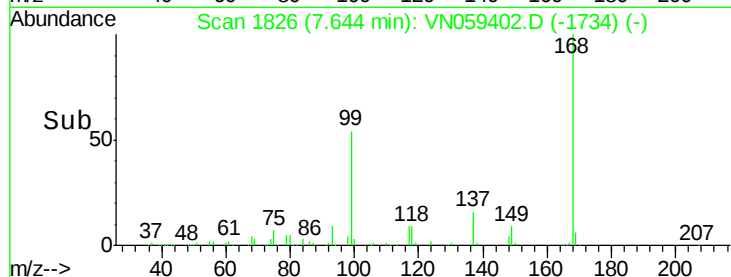
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 35.755 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN059402.D

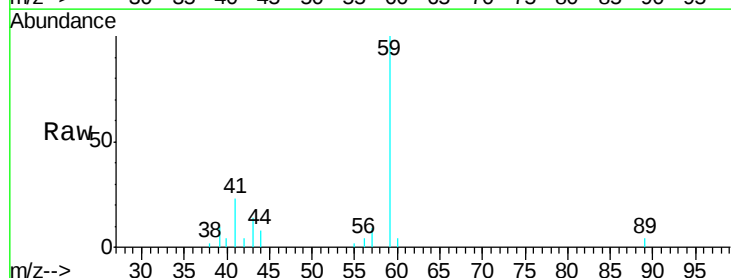
Acq: 26 Nov 2019 13:40

Tgt Ion: 59 Resp: 31392

Ion Ratio Lower Upper

59 100

57 3.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN059321.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN059321.D (-900) (-)

4.75

10000

8000

6000

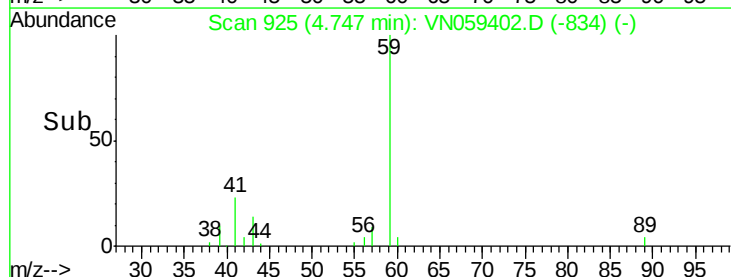
4000

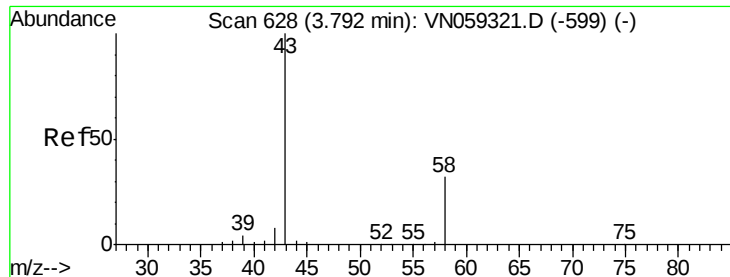
2000

0

4.60 4.70 4.80 4.90

Time-->





#16

Acetone

Concen: 1.196 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

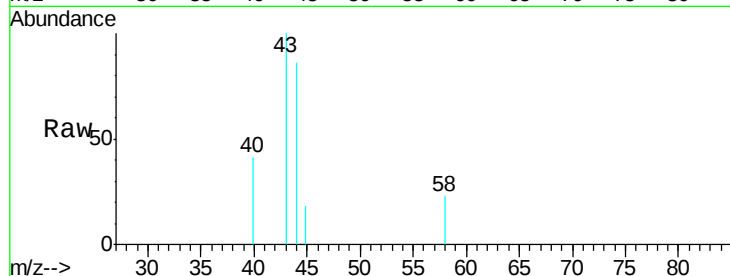
30698DL2

Tgt Ion: 43 Resp: 2351

Ion Ratio Lower Upper

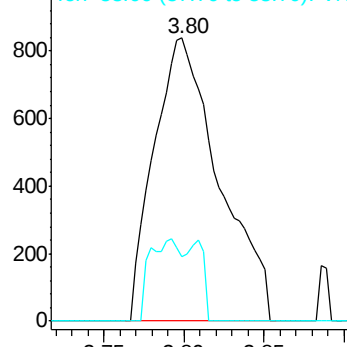
43 100

58 22.9 25.8 38.6#

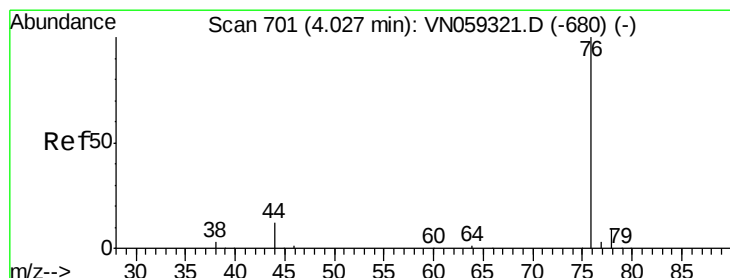
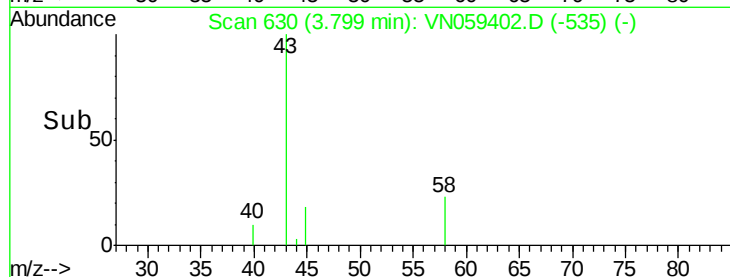


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059402.D

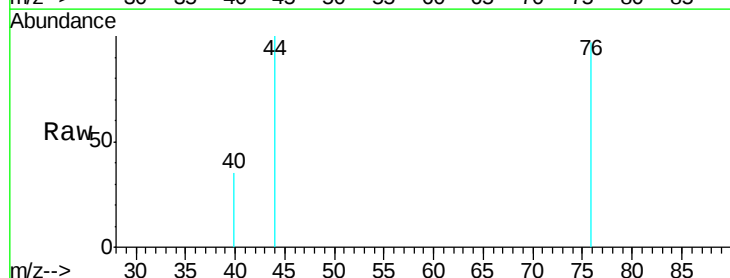
Acq: 26 Nov 2019 13:40

Tgt Ion: 76 Resp: 1715

Ion Ratio Lower Upper

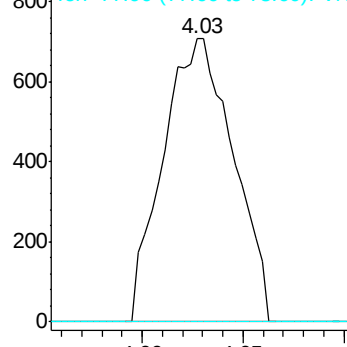
76 100

78 0.0 7.2 10.8#

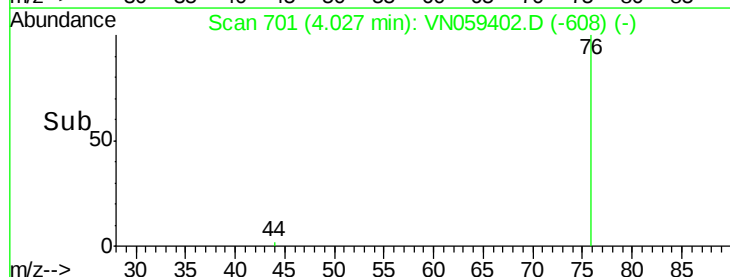


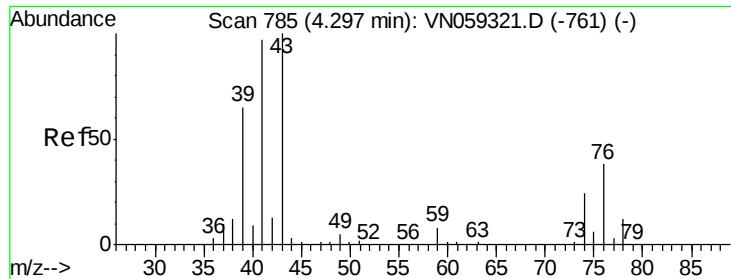
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->

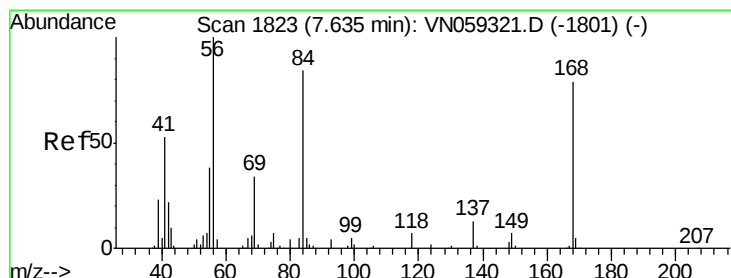
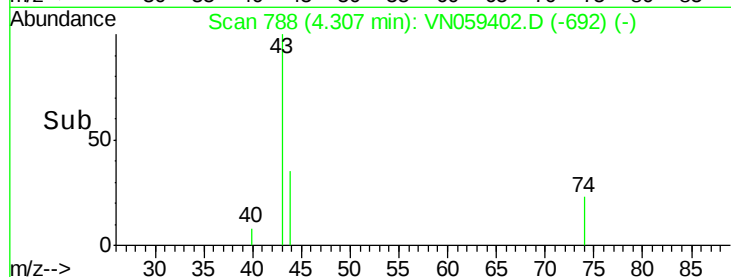
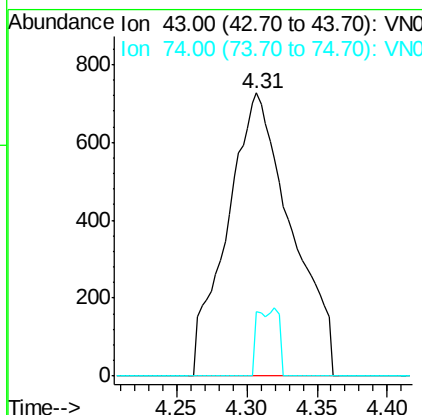
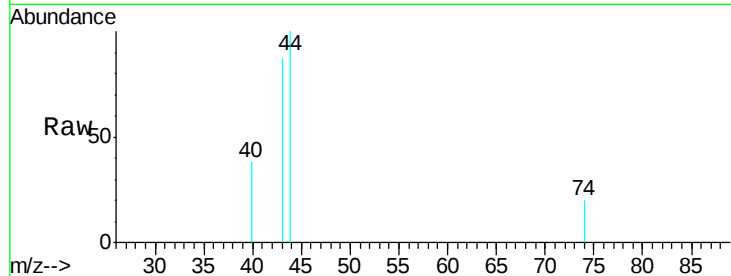




#18
Methyl Acetate
Concen: 0.354 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

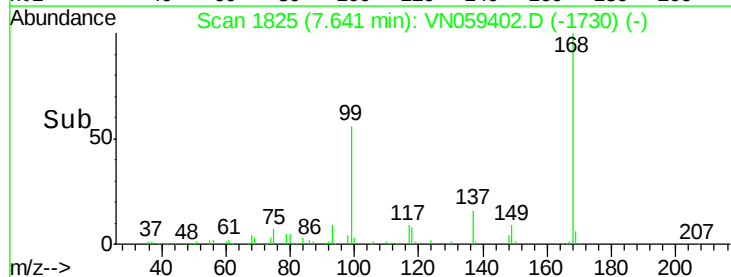
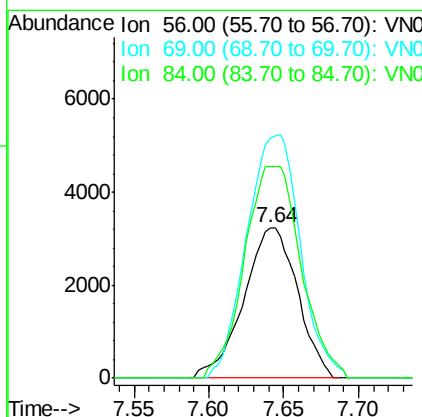
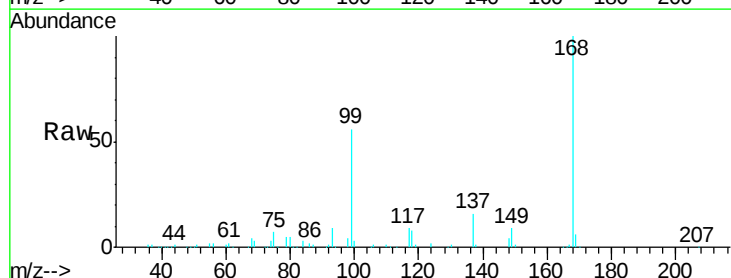
Instrument :
MSVOA_N
ClientSampleId :
30698DL2

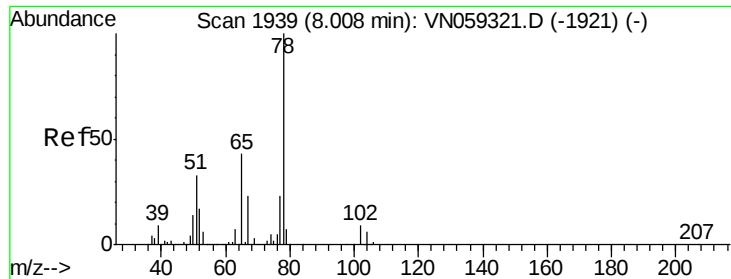
Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
74 4.0 18.1 27.1#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Tgt Ion: 56 Resp: 8064
Ion Ratio Lower Upper
56 100
69 159.0 26.6 40.0#
84 140.3 67.0 100.4#

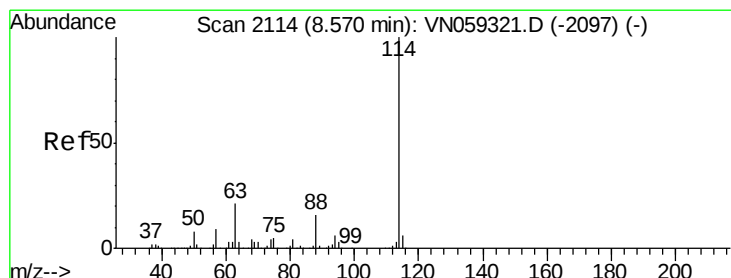
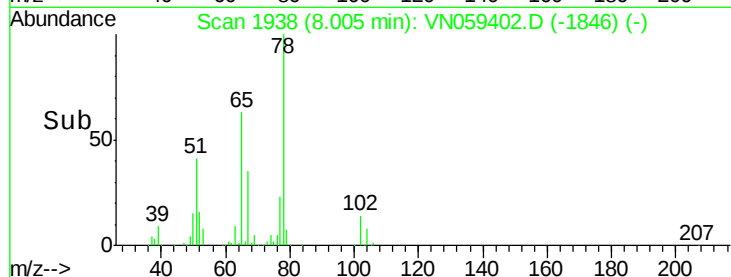
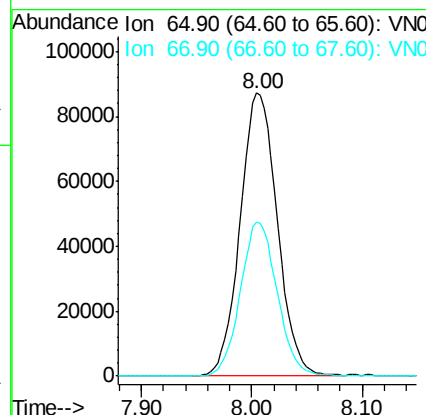
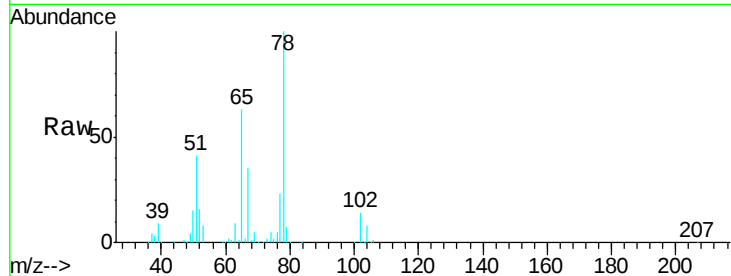




#33
 1,2-Dichloroethane-d4
 Concen: 46.456 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059402.D
 Acq: 26 Nov 2019 13:40

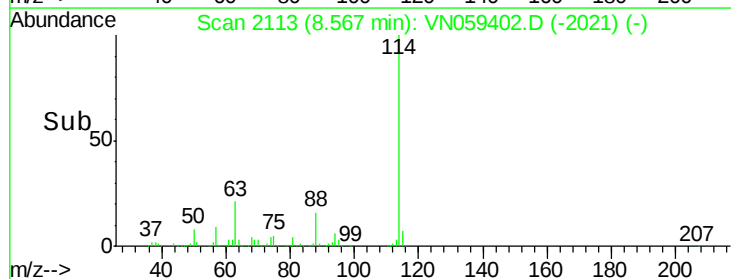
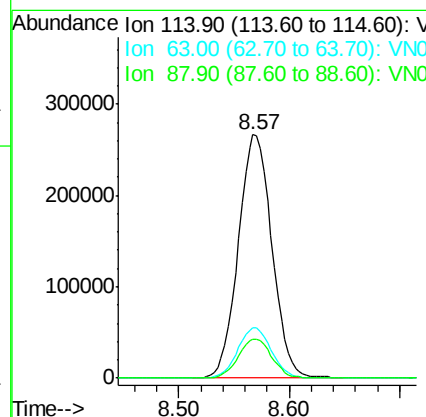
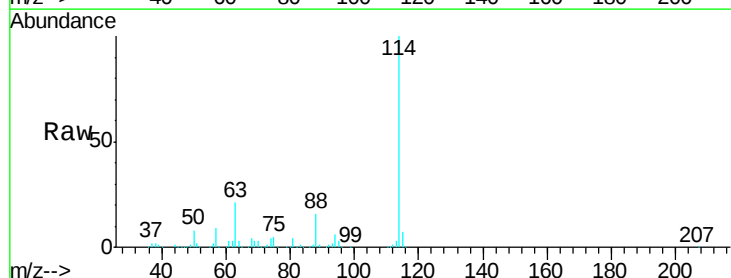
Instrument :
 MSVOA_N
 ClientSampleId :
 30698DL2

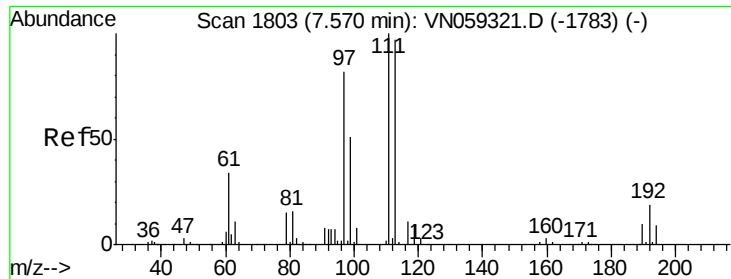
Tgt Ion: 65 Resp: 203718
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059402.D
 Acq: 26 Nov 2019 13:40

Tgt Ion: 114 Resp: 563043
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.2
 88 16.0 0.0 32.2

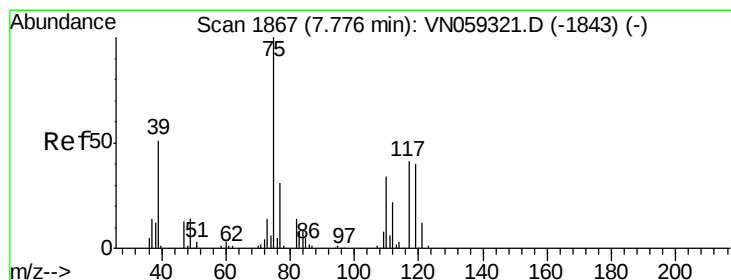
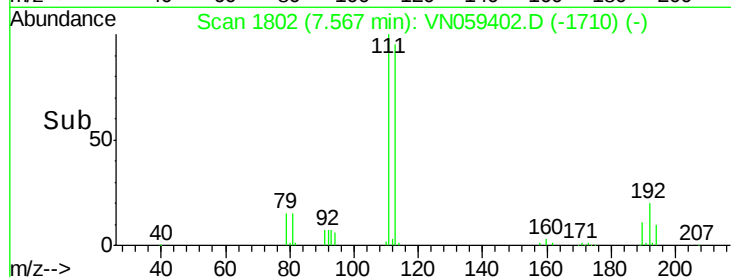
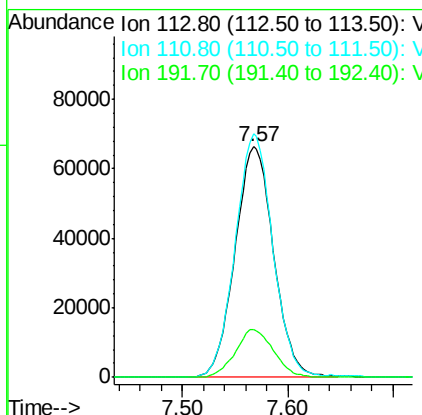
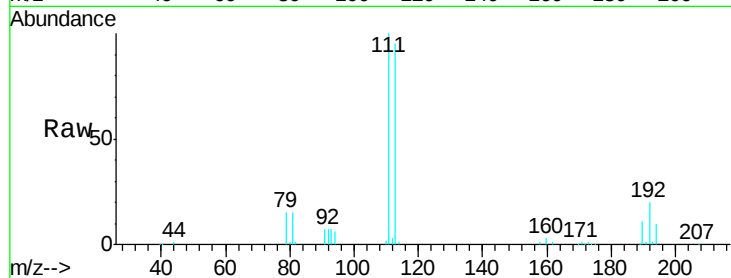




#35
 Dibromofluoromethane
 Concen: 49.970 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059402.D
 Acq: 26 Nov 2019 13:40

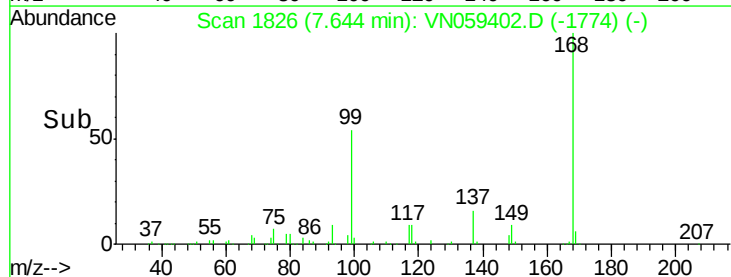
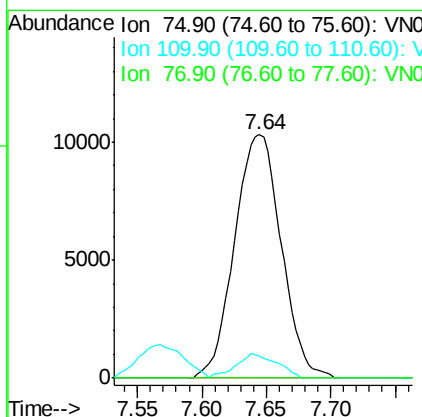
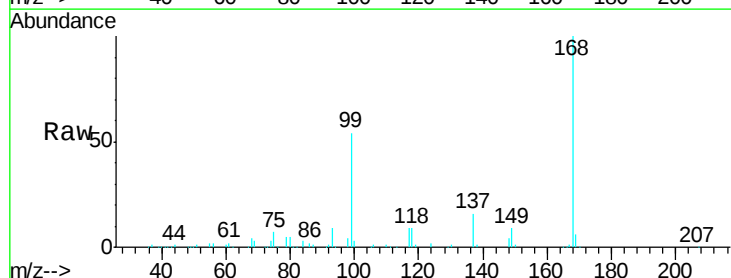
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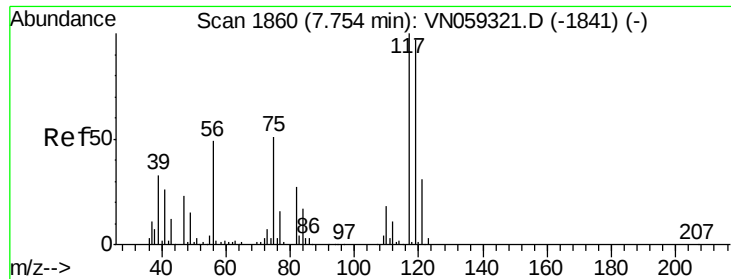
Tgt Ion: 113 Resp: 168794
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.4 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.458 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059402.D
 Acq: 26 Nov 2019 13:40

Tgt Ion: 75 Resp: 25914
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.0 51.0#
 77 0.0 24.8 37.2#

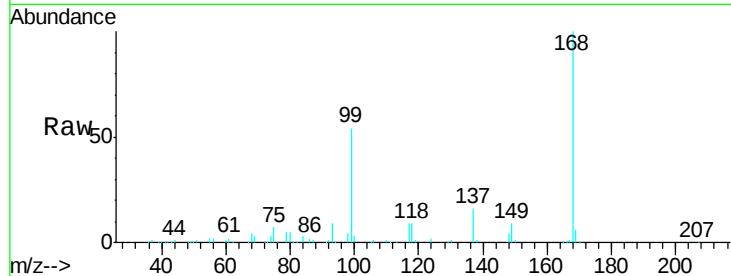




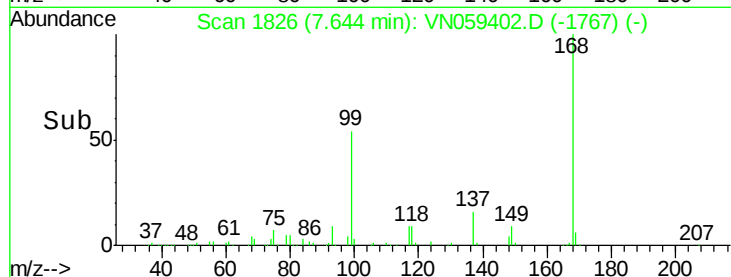
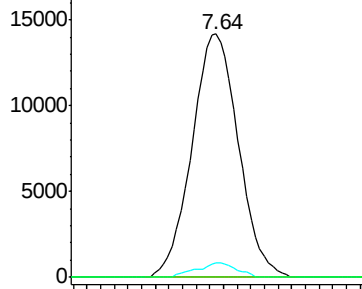
#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Instrument :
MSVOA_N
ClientSampled :
30698DL2

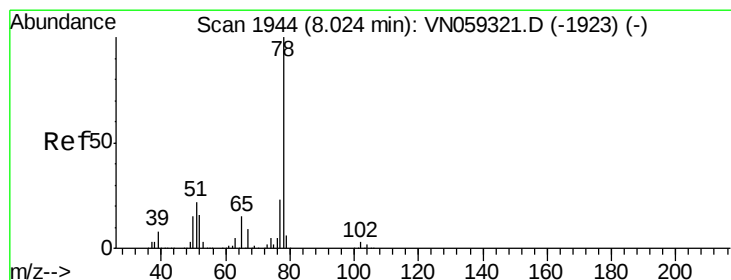
Tgt Ion:117 Resp: 33426
Ion Ratio Lower Upper
117 100
119 6.0 77.0 115.4#
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

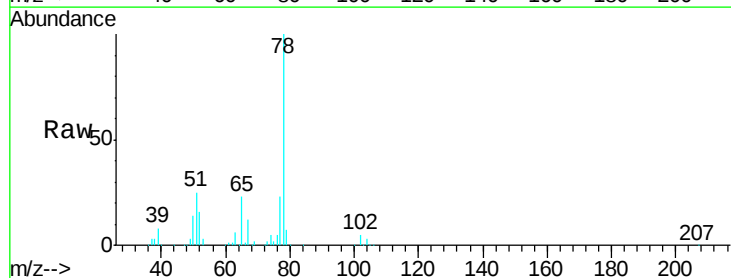


Time-->

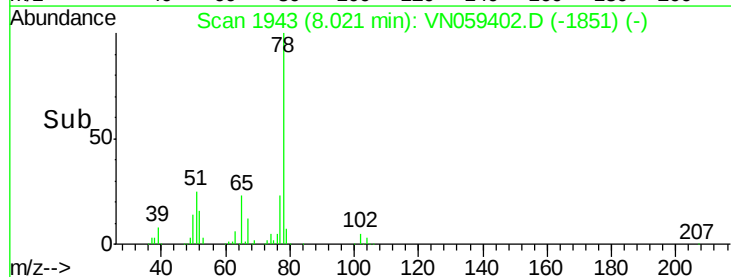
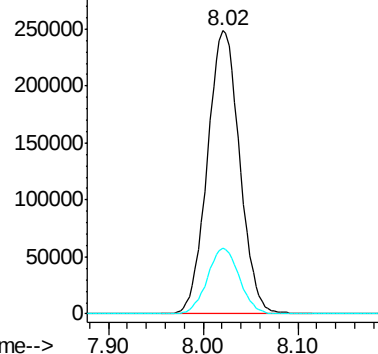


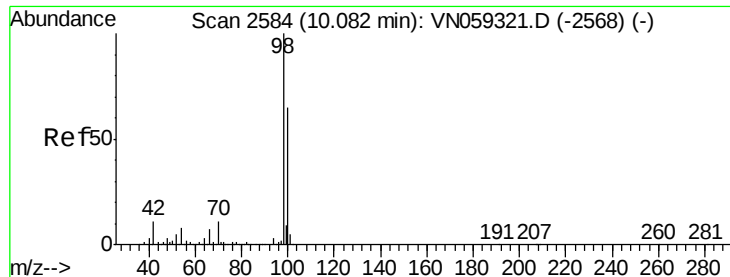
#40
Benzene
Concen: 34.548 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Tgt Ion: 78 Resp: 589374
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 50.308 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

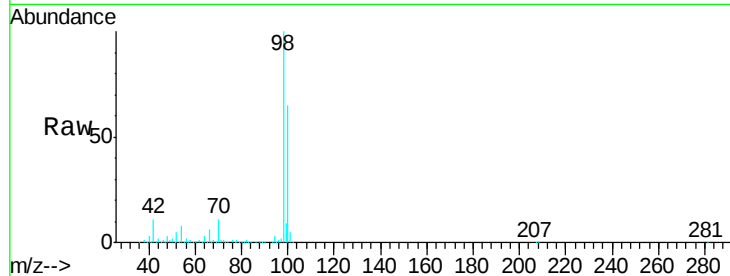
30698DL2

Tgt Ion: 98 Resp: 675573

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

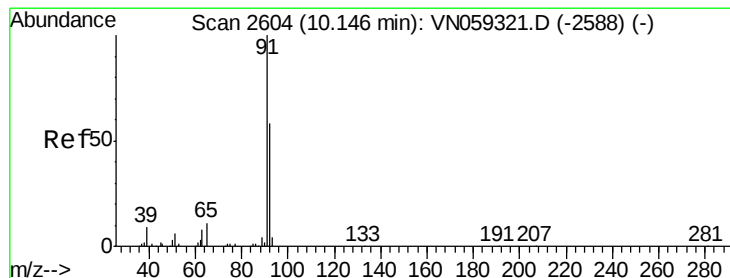
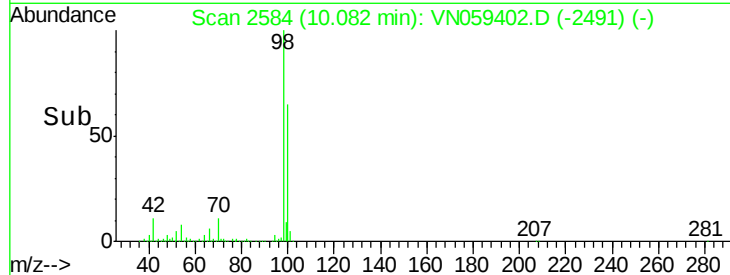
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.228 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059402.D

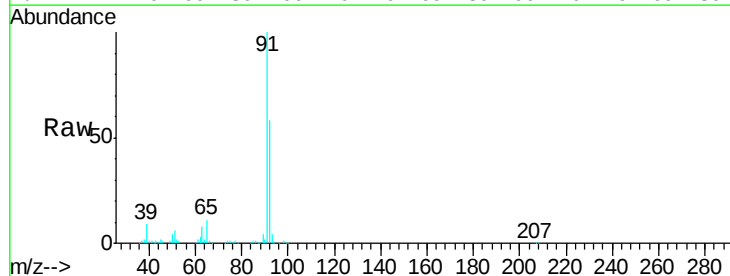
Acq: 26 Nov 2019 13:40

Tgt Ion: 92 Resp: 197242

Ion Ratio Lower Upper

92 100

91 173.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

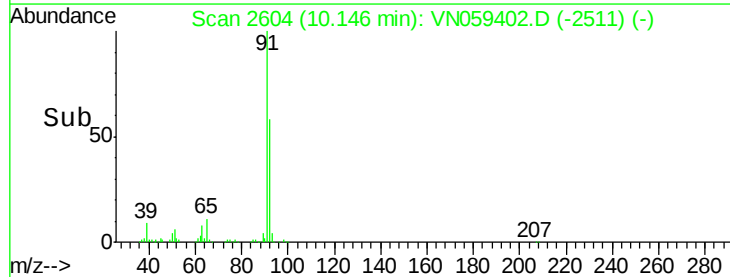
150000

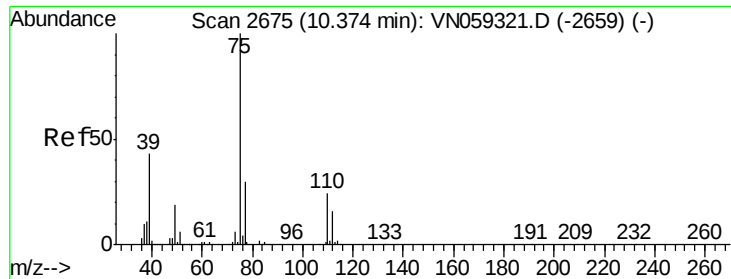
100000

50000

0

Time-->

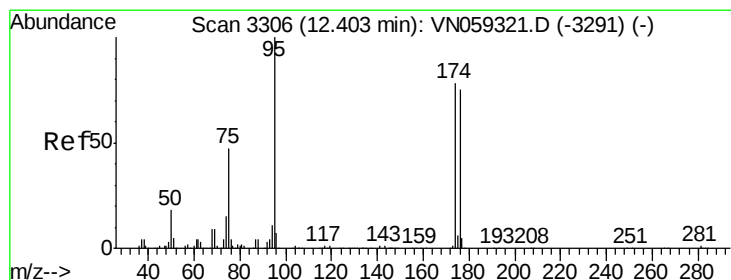
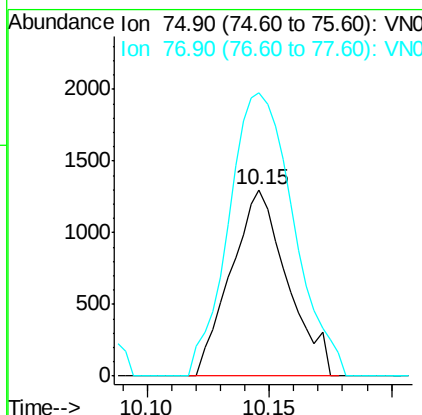
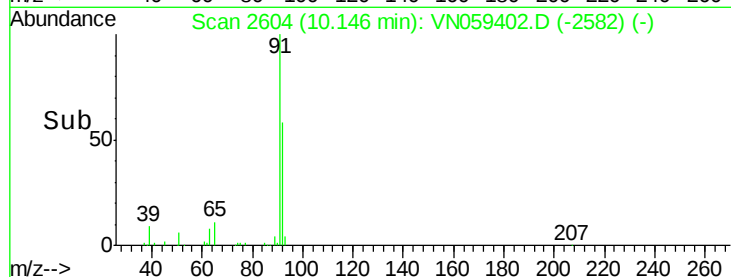
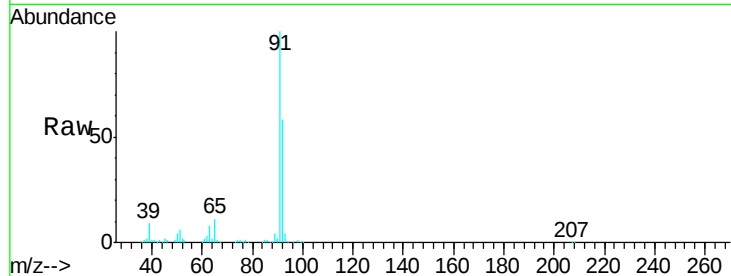




#53
t-1,3-Dichloropropene
Concen: 0.320 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.23 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

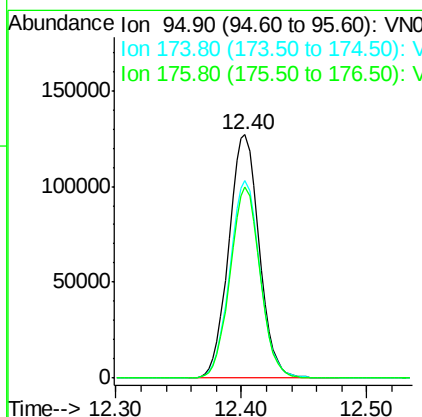
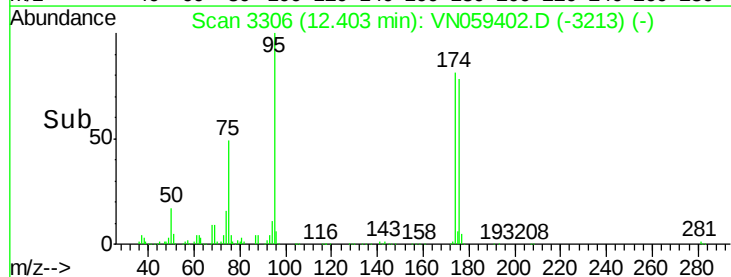
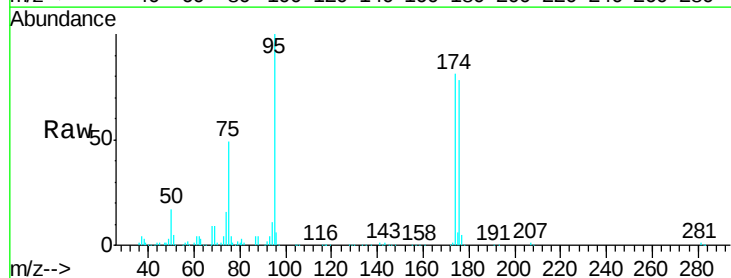
Instrument :
MSVOA_N
ClientSampleId :
30698DL2

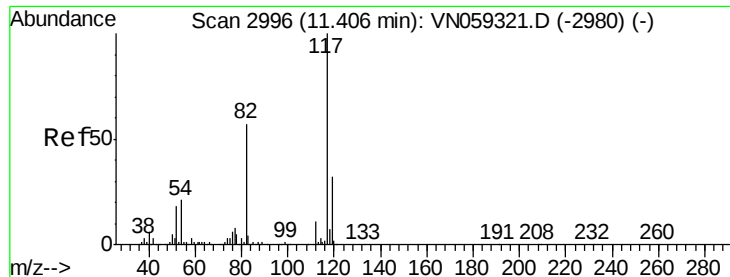
Tgt Ion: 75 Resp: 2082
Ion Ratio Lower Upper
75 100
77 151.7 25.5 38.3#



#62
4-Bromofluorobenzene
Concen: 45.677 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Tgt Ion: 95 Resp: 214472
Ion Ratio Lower Upper
95 100
174 80.6 0.0 157.4
176 77.4 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

30698DL2

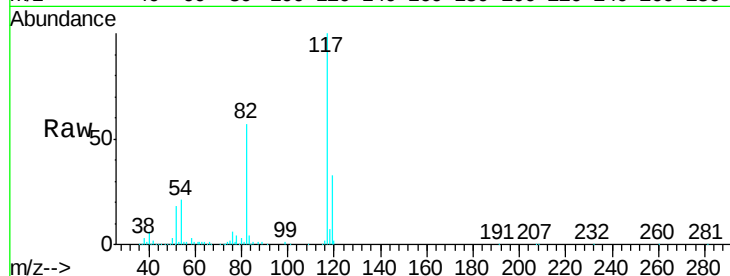
Tgt Ion:117 Resp: 484076

Ion Ratio Lower Upper

117 100

82 57.0 45.7 68.5

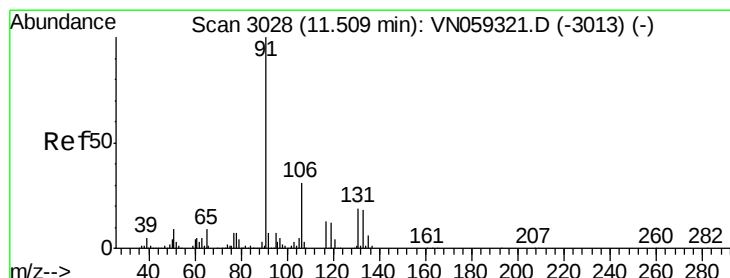
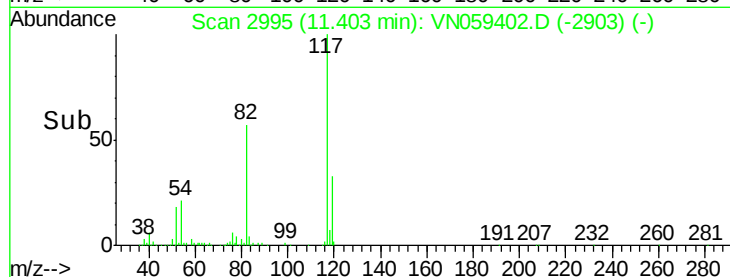
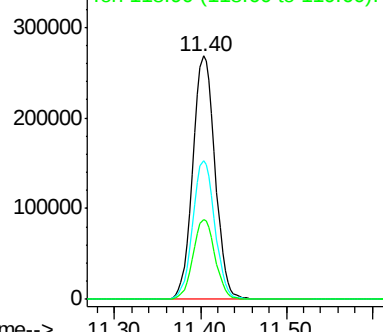
119 32.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.615 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059402.D

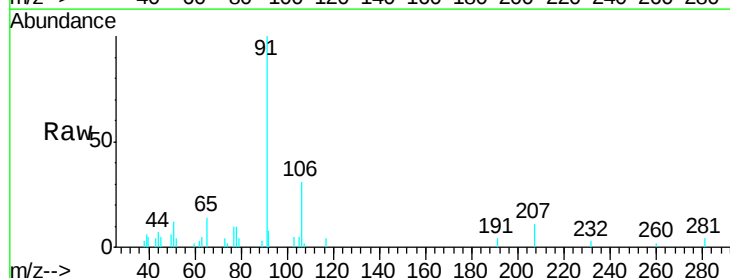
Acq: 26 Nov 2019 13:40

Tgt Ion: 91 Resp: 11427

Ion Ratio Lower Upper

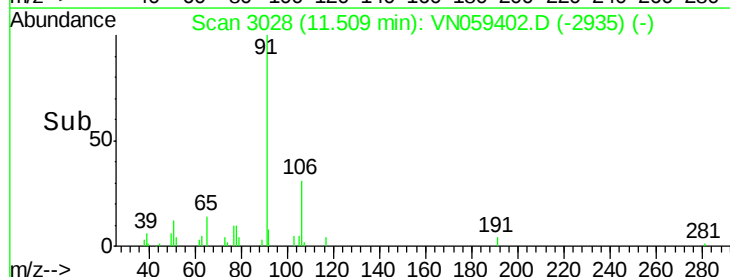
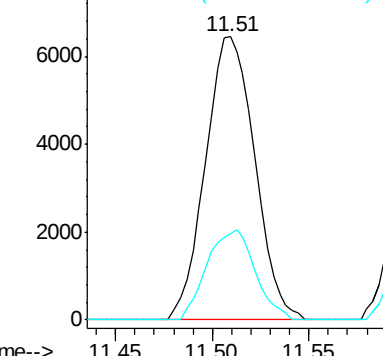
91 100

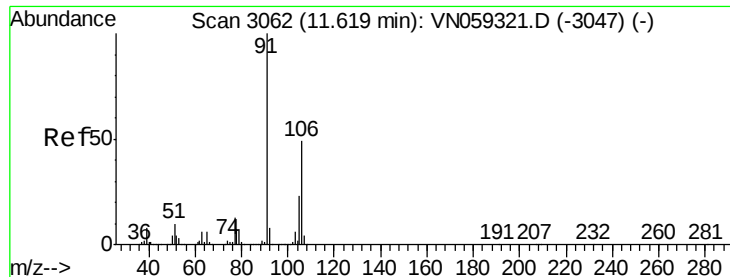
106 30.7 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 106.00 (105.70 to 106.70): V

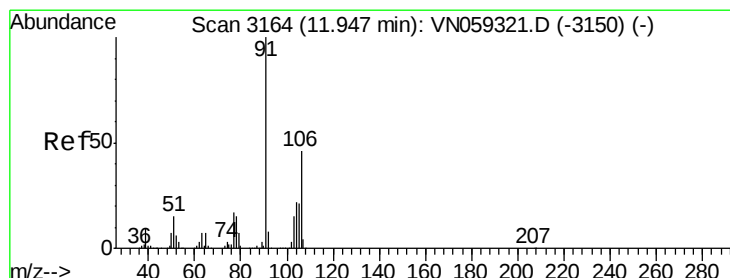
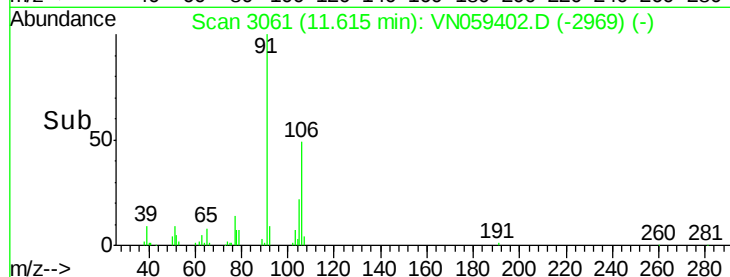
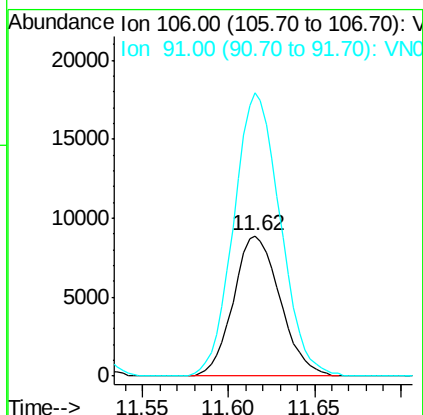
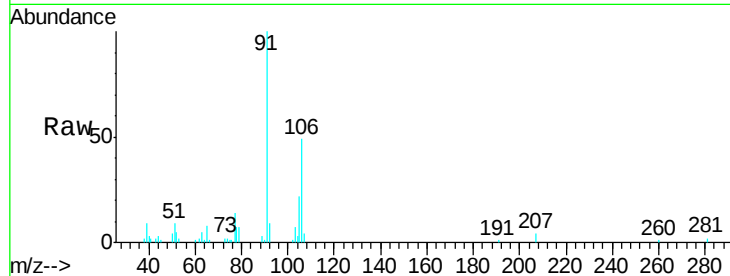




#68
m/p-Xylenes
Concen: 2.416 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

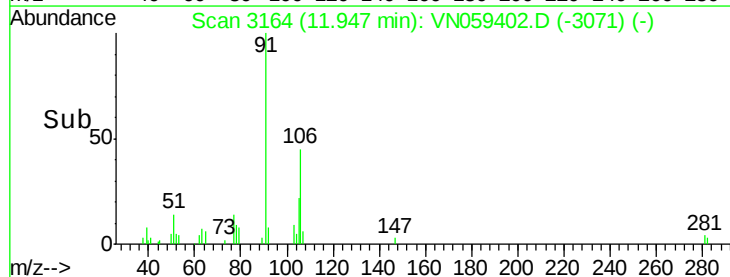
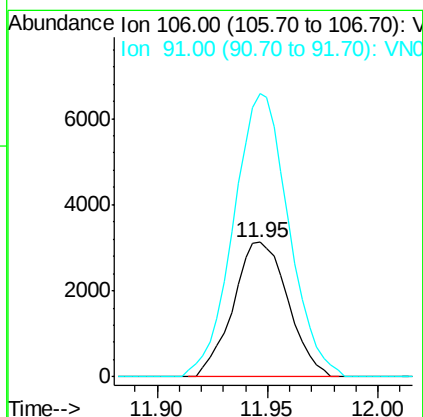
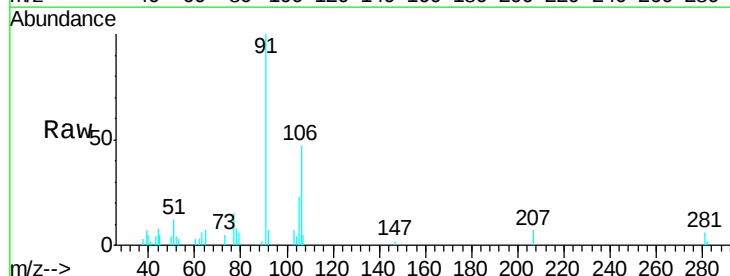
Instrument :
MSVOA_N
ClientSampled :
30698DL2

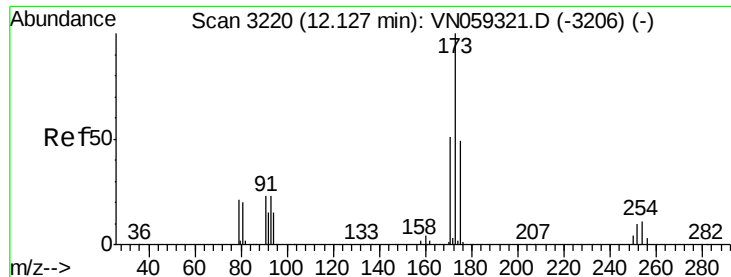
Tgt Ion:106 Resp: 16682
Ion Ratio Lower Upper
106 100
91 202.0 163.2 244.8



#69
o-Xylene
Concen: 0.816 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Tgt Ion:106 Resp: 5395
Ion Ratio Lower Upper
106 100
91 211.9 109.3 327.9





#71

Bromoform

Concen: 0.418 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

30698DL2

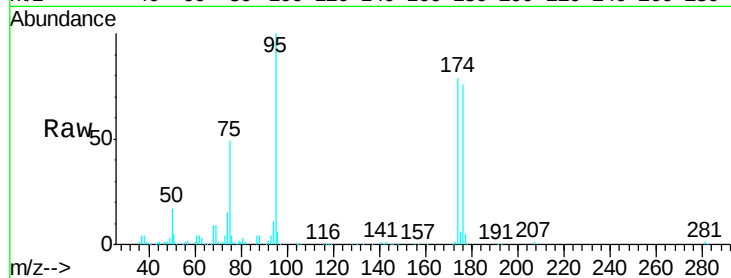
Tgt Ion:173 Resp: 1196

Ion Ratio Lower Upper

173 100

175 873.3 24.6 73.6#

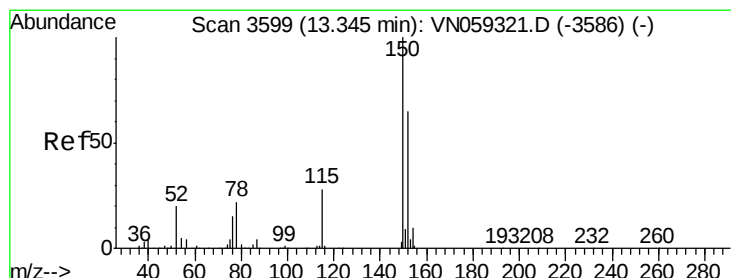
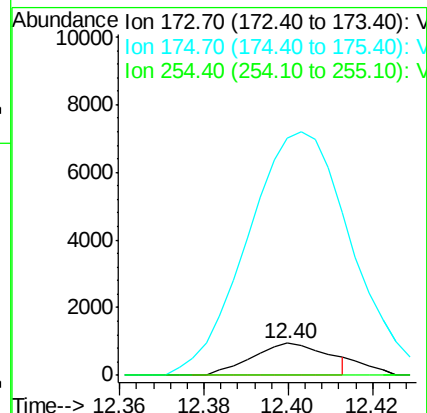
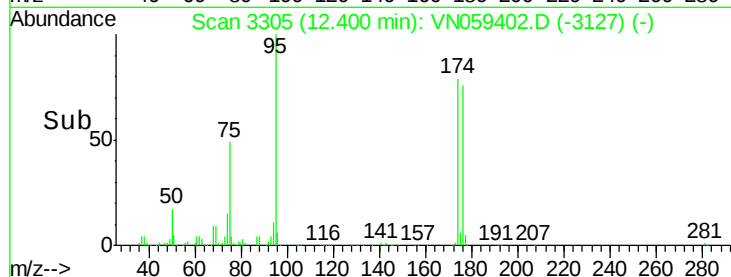
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

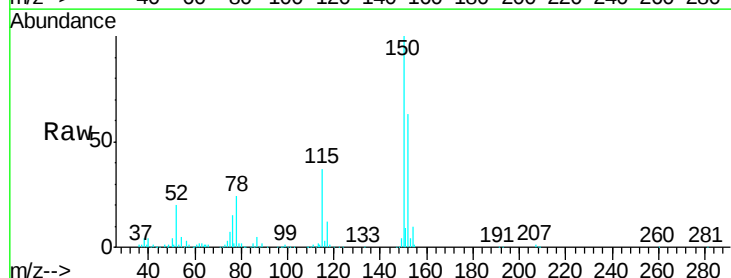
Tgt Ion:152 Resp: 181049

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

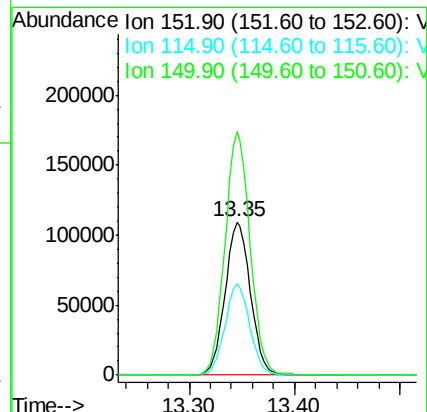
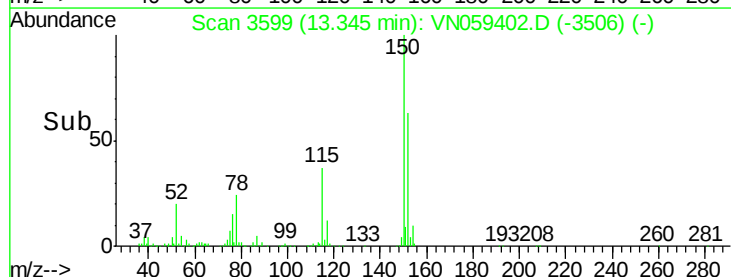
150 157.9 0.0 346.0

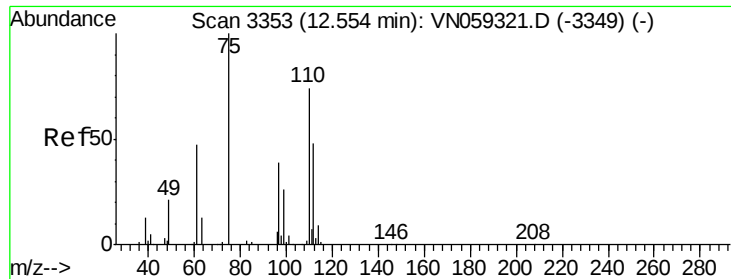


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

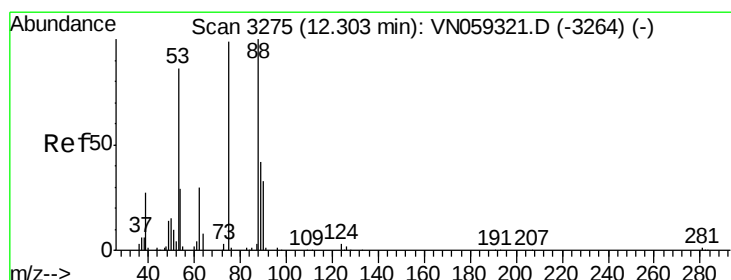
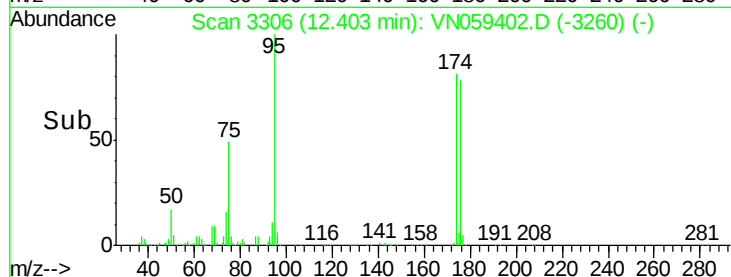
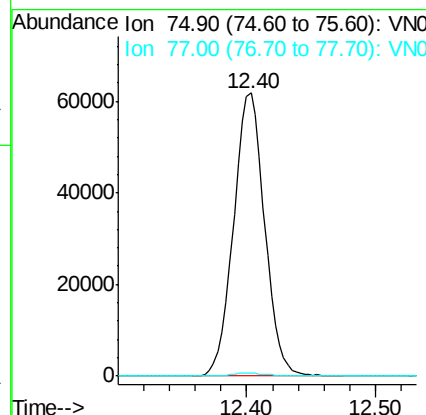
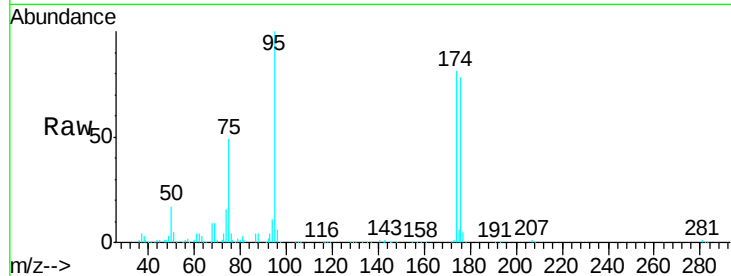




#76
 1,2,3-Trichloropropane
 Concen: 24.689 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN059402.D
 Acq: 26 Nov 2019 13:40

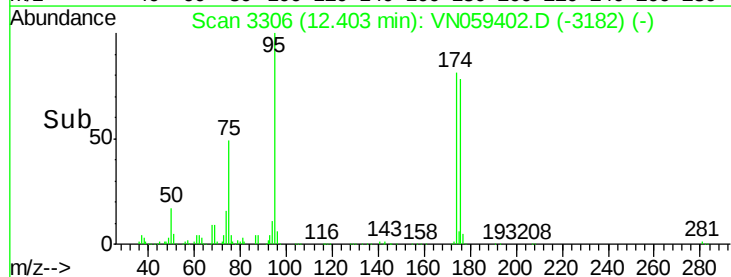
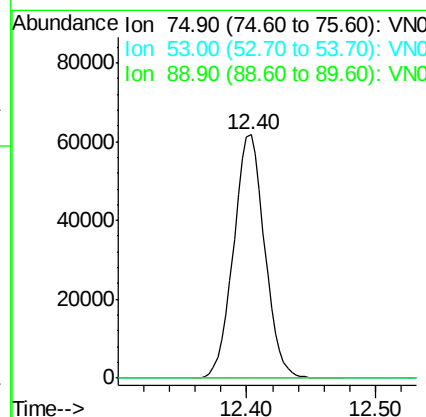
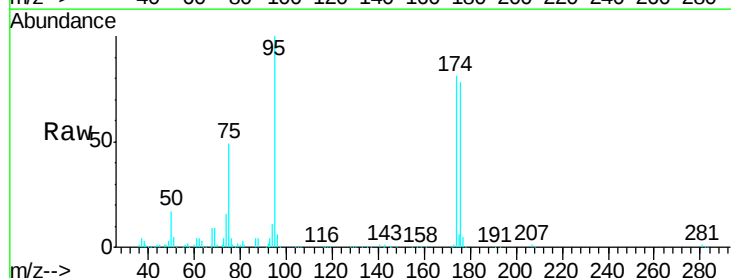
Instrument :
 MSVOA_N
 ClientSampled :
 30698DL2

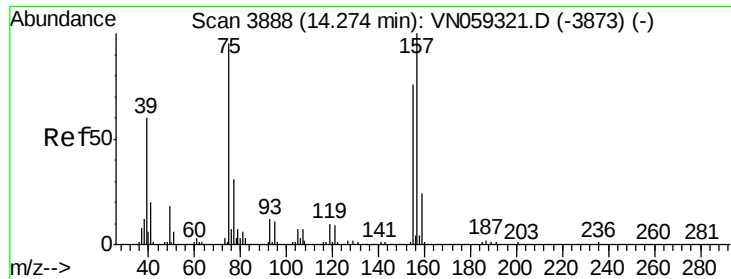
Tgt Ion: 75 Resp: 103265
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.750 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN059402.D
 Acq: 26 Nov 2019 13:40

Tgt Ion: 75 Resp: 103265
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.7 106.1#
 89 0.0 35.4 53.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.248 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

30698DL2

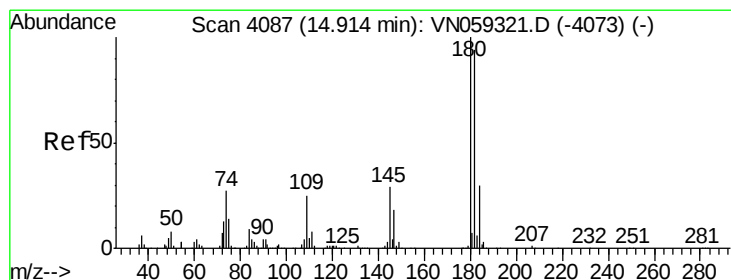
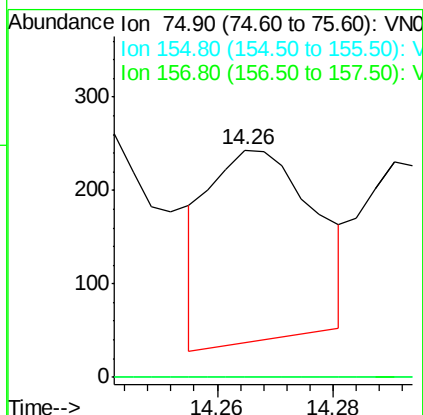
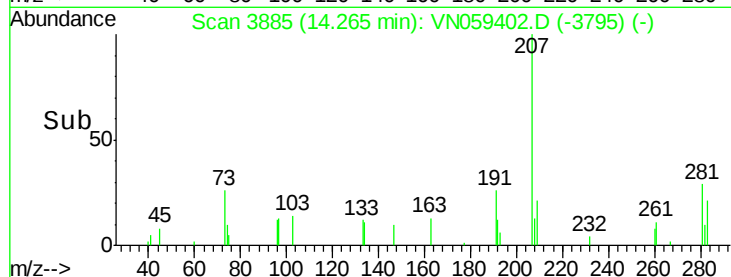
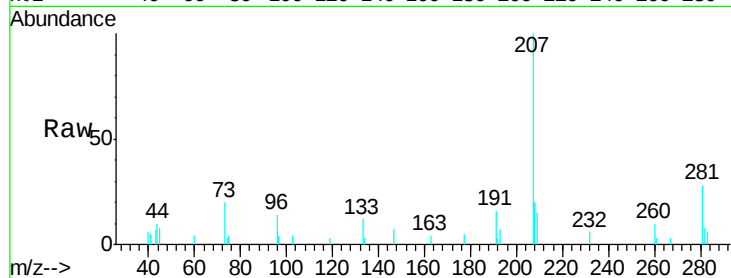
Tgt Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

157 0.0 52.7 158.1#



#93

1,2,4-Trichlorobenzene

Concen: 3.080 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059402.D

Acq: 26 Nov 2019 13:40

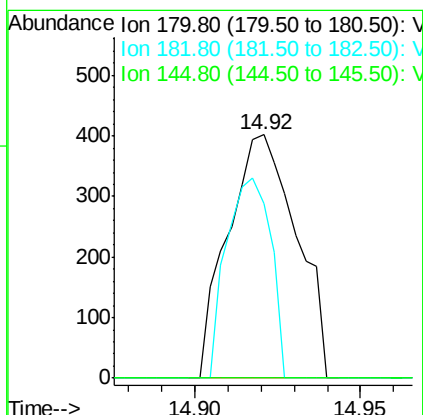
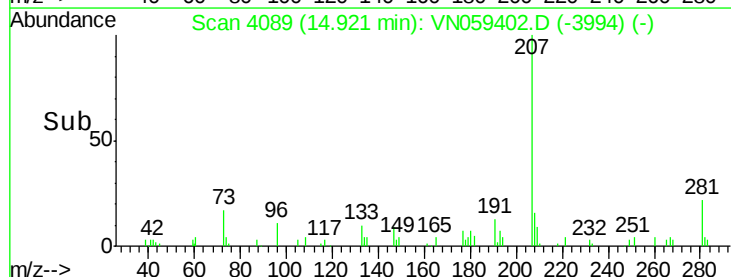
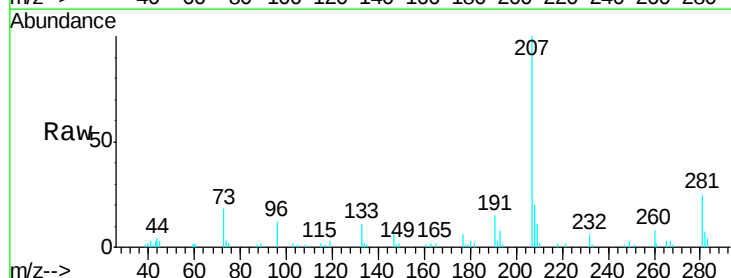
Tgt Ion: 180 Resp: 579

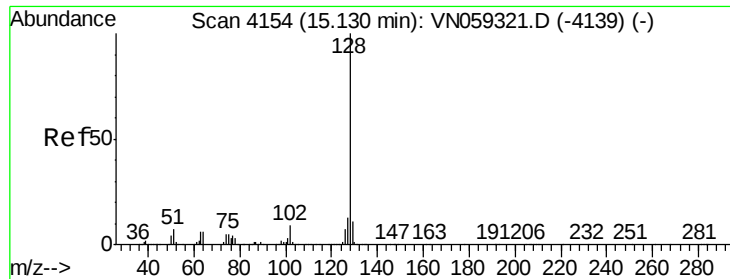
Ion Ratio Lower Upper

180 100

182 52.8 47.2 141.6

145 0.0 14.9 44.5#

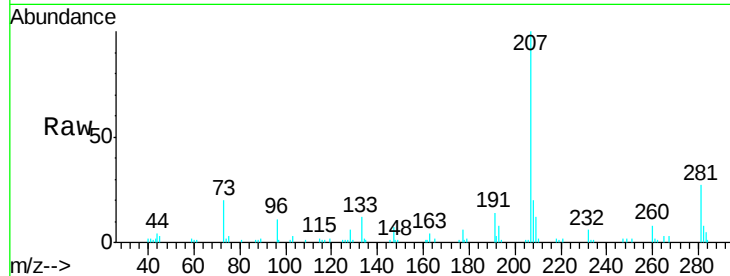




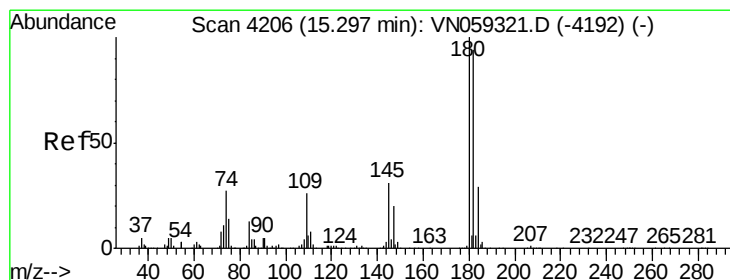
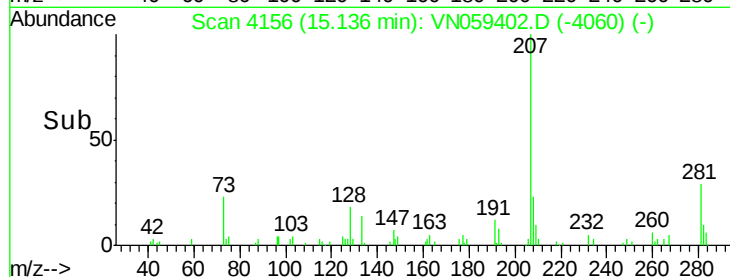
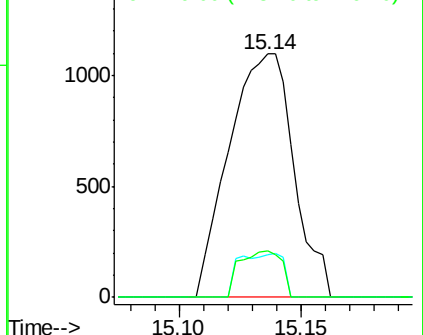
#95
Naphthalene
Concen: 3.346 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
30698DL2

Tgt Ion:128 Resp: 2020
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 12.2 8.6 13.0

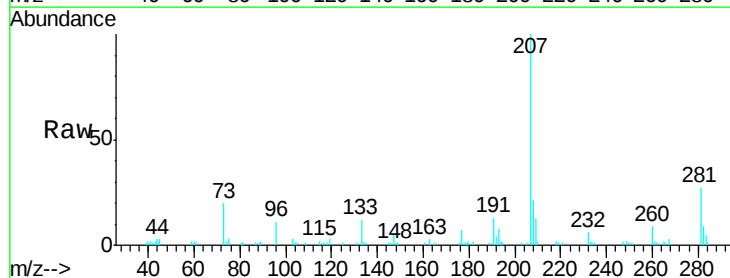


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.132 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.01 min
Lab File: VN059402.D
Acq: 26 Nov 2019 13:40

Tgt Ion:180 Resp: 907
Ion Ratio Lower Upper
180 100
182 65.3 47.1 141.4
145 31.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

