

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054291.D
 Acq On : 15 Mar 2019 5:28
 Operator : JC/SP
 Sample : K1902-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30312-13-14-15-17

Quant Time: Mar 15 07:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1269661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2126687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2268619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1002905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	680460	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	652528	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	10.09	98	2666742	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.40	95	1039864	58.67	ug/l	0.00
Spiked Amount			Recovery	=	117.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	419	1.518	ug/l #	81
11) Tert butyl alcohol	4.81	59	228	0.247	ug/l #	70
13) Acrolein	3.61	56	856	0.977	ug/l #	48
16) Acetone	3.82	43	161827	41.916	ug/l	99
18) Methyl Acetate	4.34	43	3625	0.464	ug/l	95
20) Methylene Chloride	4.55	84	11999	0.947	ug/l	88
25) 2-Butanone	6.85	43	740742	163.472	ug/l	99
31) Cyclohexane	7.66	56	20686	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	76304	3.896	ug/l #	48
37) Ethyl Acetate	6.85	43	740742	65.824	ug/l #	68
38) Carbon Tetrachloride	7.67	117	106651	5.193	ug/l #	16
40) Benzene	8.04	78	19009	0.339	ug/l	93
51) 4-Methyl-2-Pentanone	10.16	43	324742	31.066	ug/l #	36
53) t-1,3-Dichloropropene	10.16	75	364123	18.204	ug/l #	1
67) Ethyl Benzene	11.51	91	135964	1.647	ug/l	99
68) m/p-Xylenes	11.62	106	220759	6.840	ug/l	98
69) o-Xylene	11.95	106	153665	4.884	ug/l	98
71) Bromoform	12.40	173	6448	2.796	ug/l #	1
73) Isopropylbenzene	12.25	105	52921	0.660	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	489206	33.171	ug/l #	100
78) n-propylbenzene	12.59	91	115211	1.323	ug/l	100
79) 2-Chlorotoluene	12.66	91	48682	0.930	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	266065	3.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	489206	113.392	ug/l #	11
82) 4-Chlorotoluene	12.73	91	24967	0.478	ug/l #	39
83) tert-Butylbenzene	13.04	119	139368	2.269	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	1098452	16.776	ug/l	100
85) sec-Butylbenzene	13.17	105	34731	0.436	ug/l	86
86) p-Isopropyltoluene	13.29	119	34956	0.500	ug/l	97
89) n-Butylbenzene	13.61	91	22756	0.429	ug/l #	67
90) Hexachloroethane	13.89	117	13841	1.196	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2149	0.812	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1020	2.562	ug/l #	57
95) Naphthalene	15.13	128	137155	6.371	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

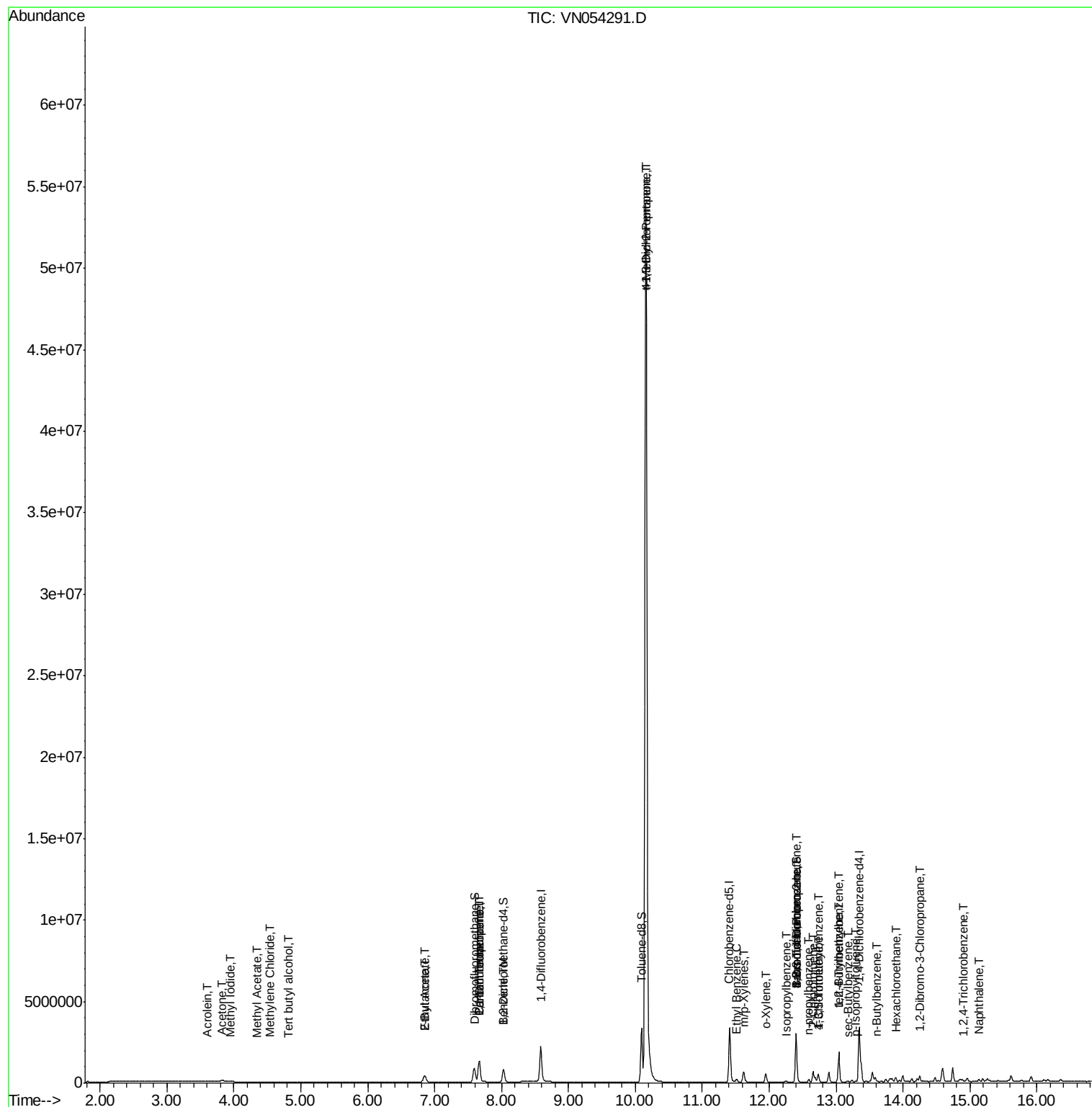
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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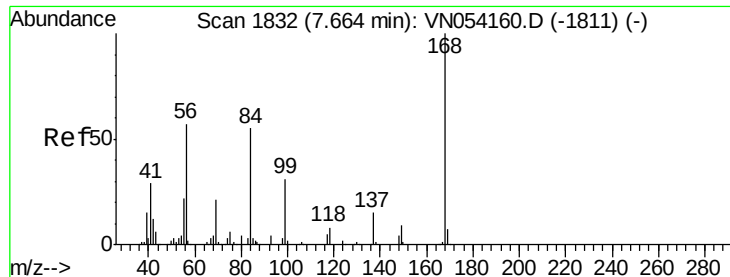
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

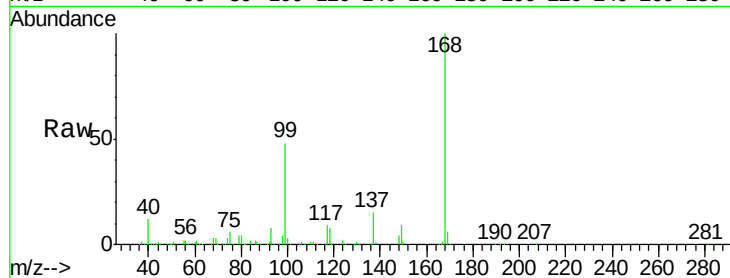
30312-13-14-15-17

Tot Ion:168 Resp: 1269661

Ion Ratio Lower Upper

168 100

99 48.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

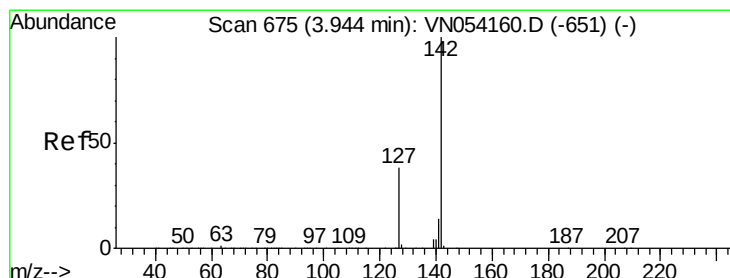
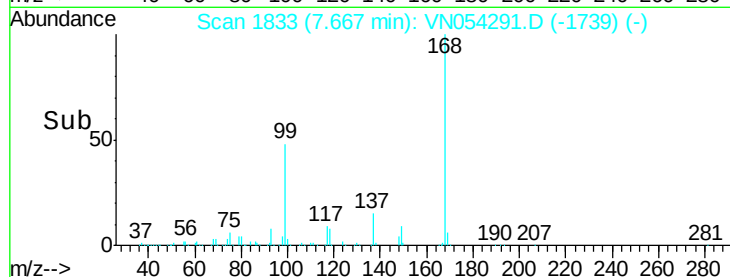
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.518 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

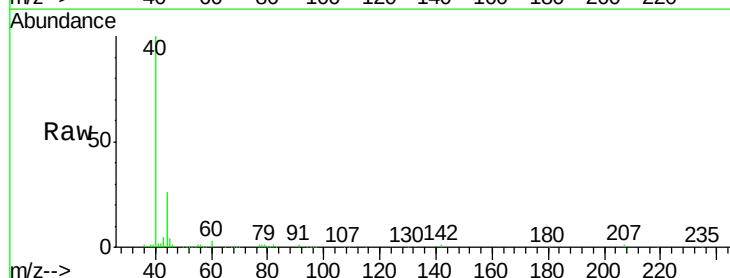
Tgt Ion:142 Resp: 419

Ion Ratio Lower Upper

142 100

127 29.6 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

400

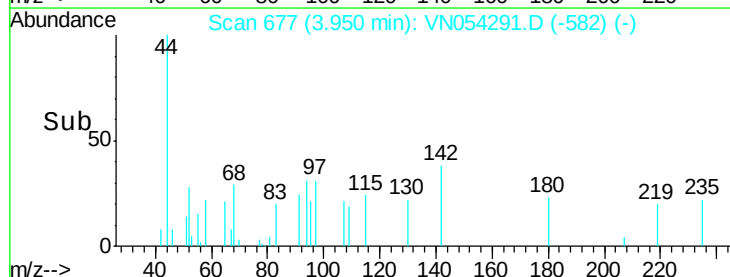
300

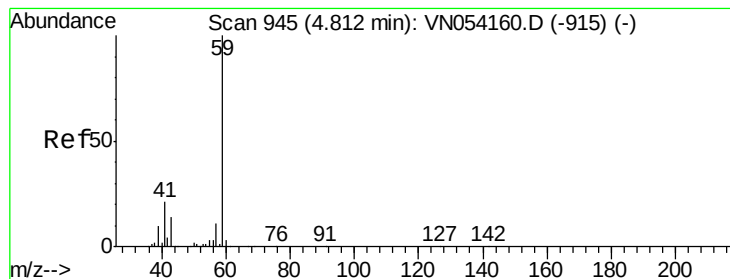
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 0.247 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

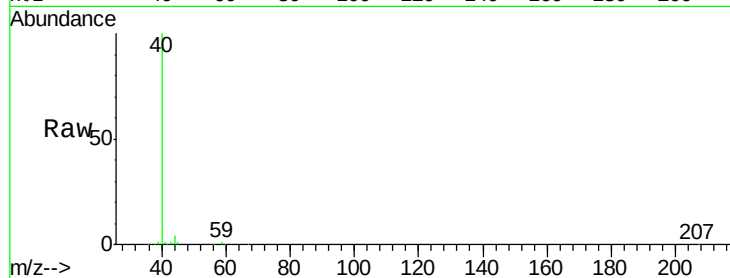
30312-13-14-15-17

Tot Ion: 59 Resp: 228

Ion Ratio Lower Upper

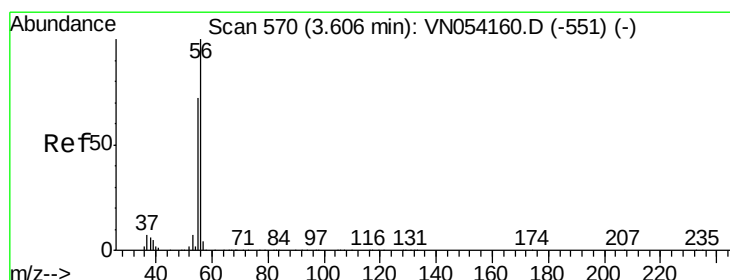
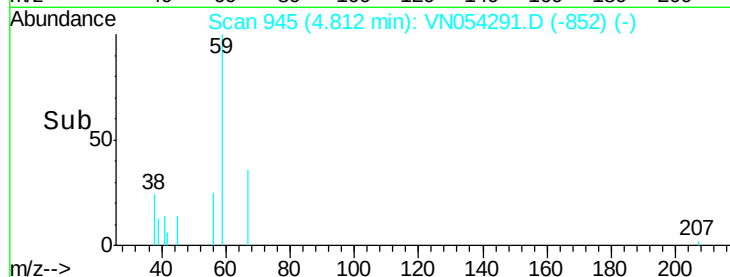
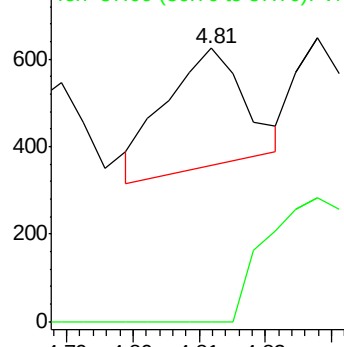
59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 0.977 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054291.D

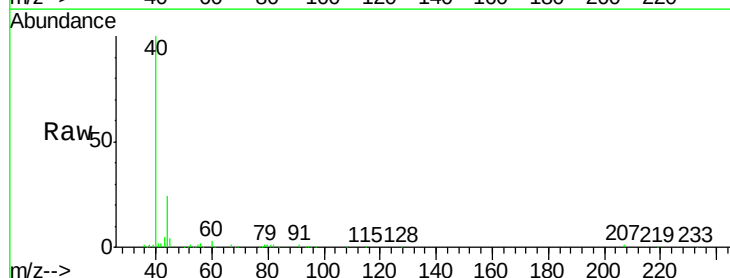
Acq: 15 Mar 2019 5:28

Tgt Ion: 56 Resp: 856

Ion Ratio Lower Upper

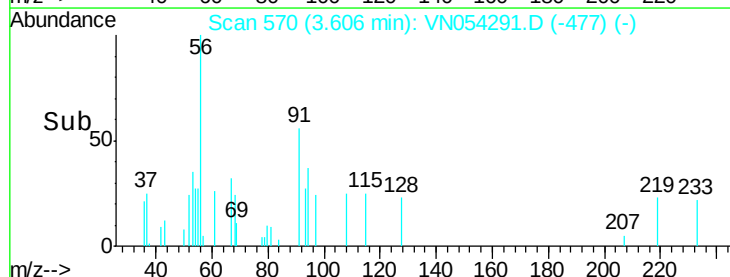
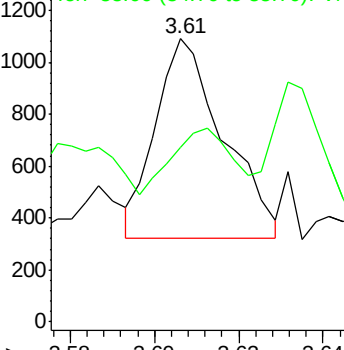
56 100

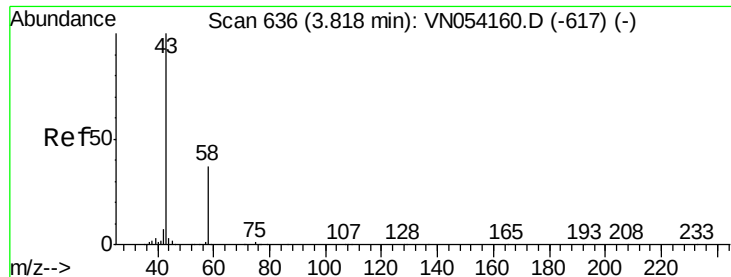
55 28.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 41.916 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

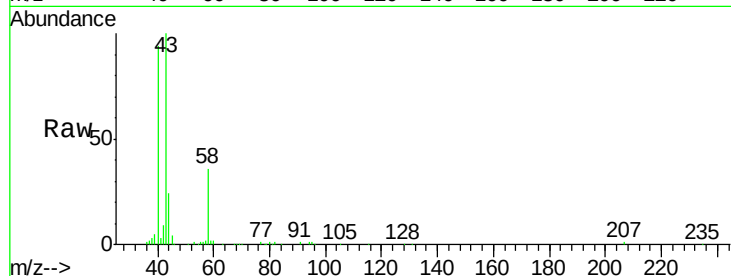
30312-13-14-15-17

Tot Ion: 43 Resp: 161827

Ion Ratio Lower Upper

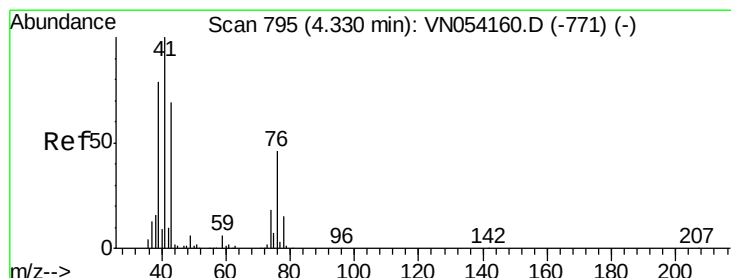
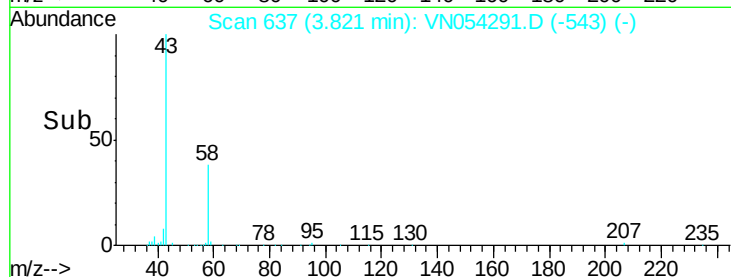
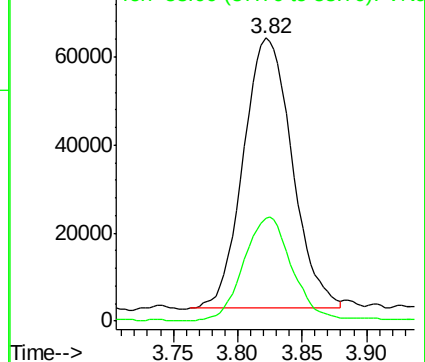
43 100

58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.464 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN054291.D

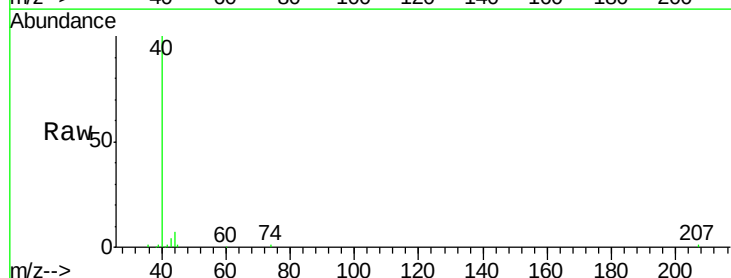
Acq: 15 Mar 2019 5:28

Tgt Ion: 43 Resp: 3625

Ion Ratio Lower Upper

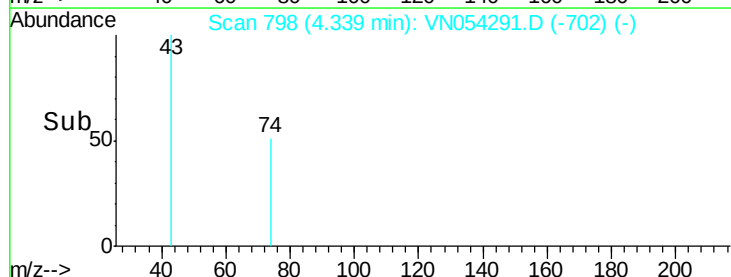
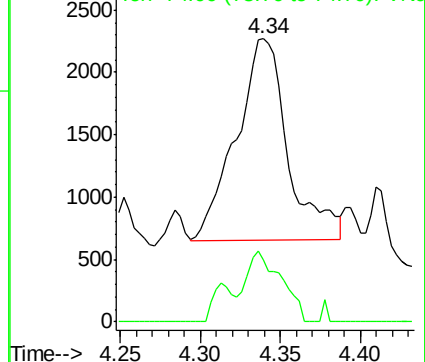
43 100

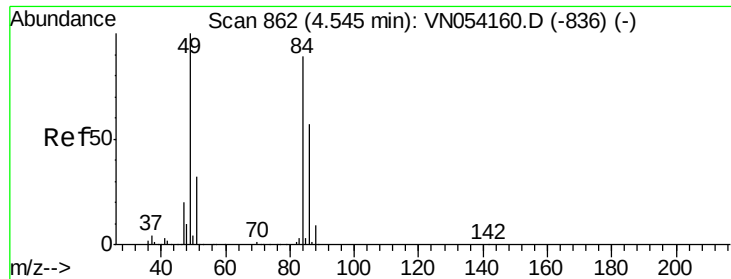
74 23.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

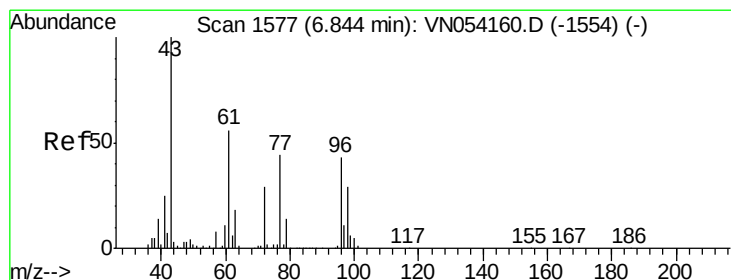
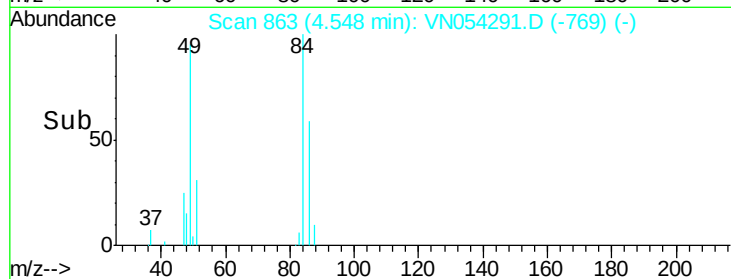
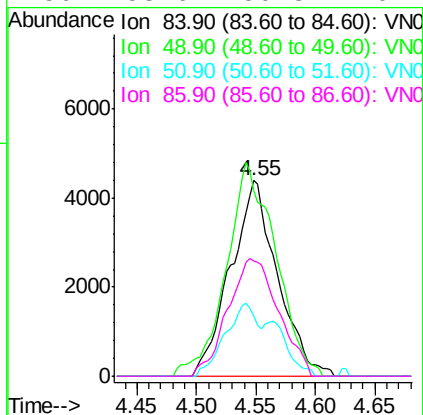
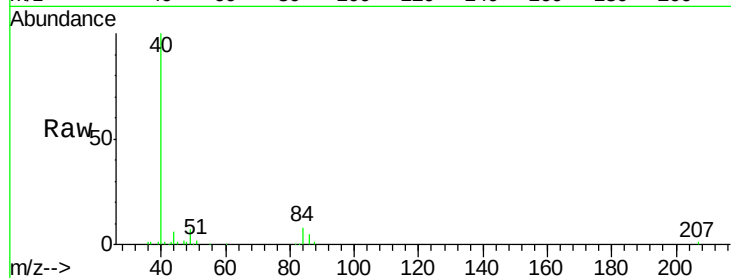




#20
Methylene Chloride
Concen: 0.947 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

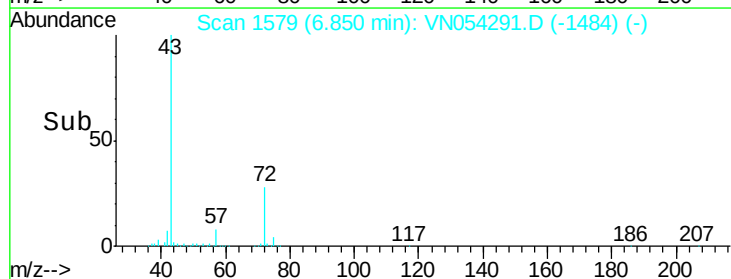
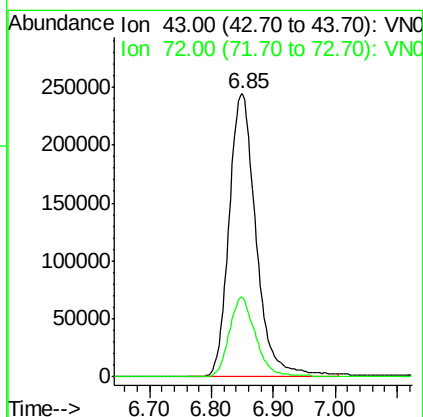
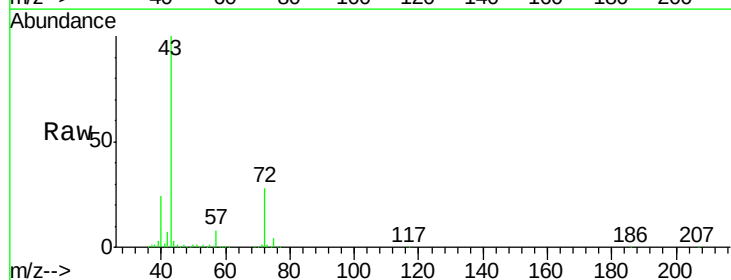
Instrument :
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30312-13-14-15-17

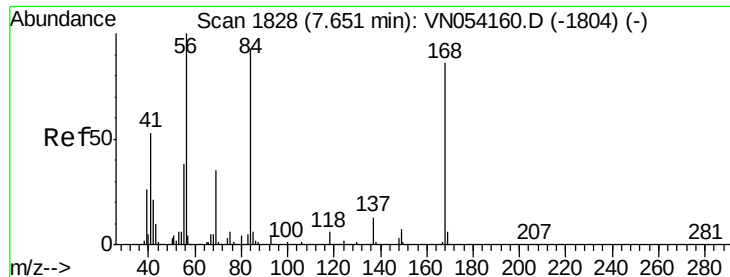
Tot Ion:	84	Resp:	11999
Ion	Ratio	Lower	Upper
84	100		
49	94.6	89.7	134.5
51	30.9	28.2	42.4
86	58.6	50.8	76.2



#25
2-Butanone
Concen: 163.472 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Tgt Ion:	43	Resp:	740742
Ion	Ratio	Lower	Upper
43	100		
72	28.1	23.0	34.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

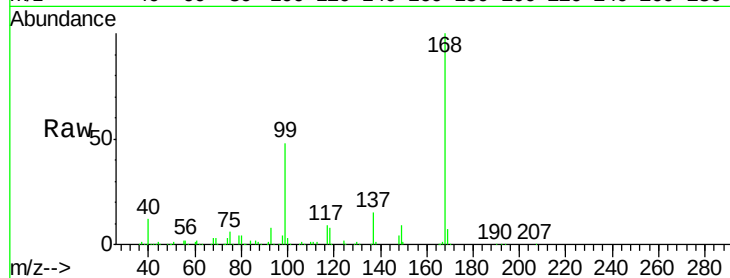
Tot Ion: 56 Resp: 20686

Ion Ratio Lower Upper

56 100

69 181.5 27.8 41.6#

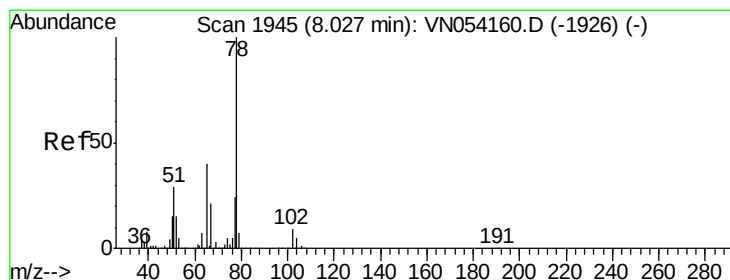
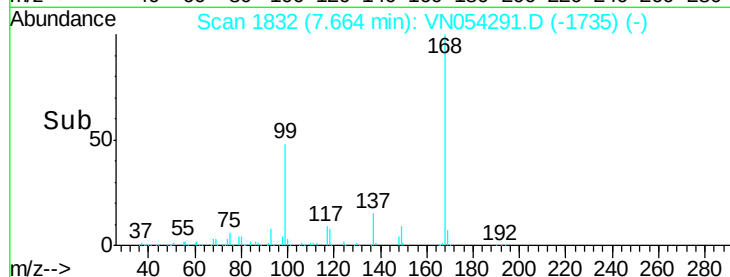
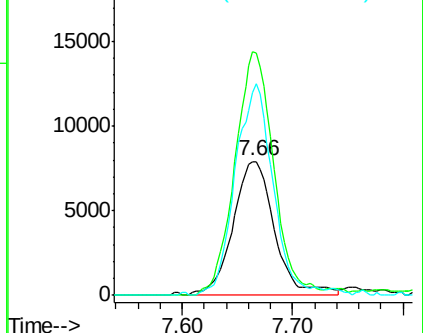
84 150.9 74.6 111.8#



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: 50.465 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054291.D

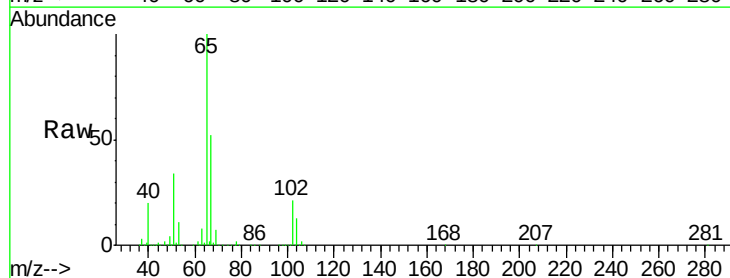
Acq: 15 Mar 2019 5:28

Tgt Ion: 65 Resp: 680460

Ion Ratio Lower Upper

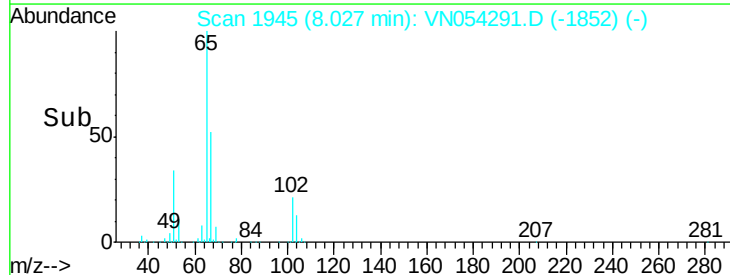
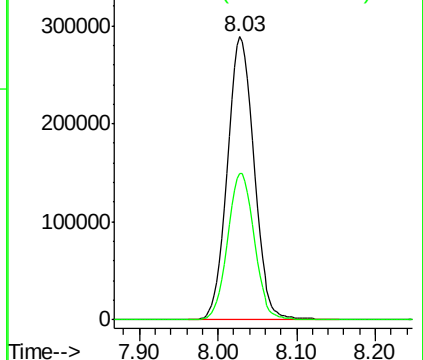
65 100

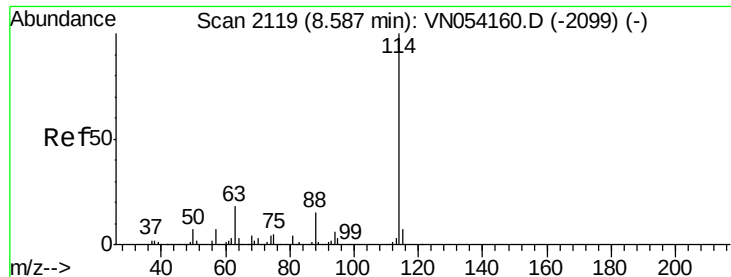
67 51.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



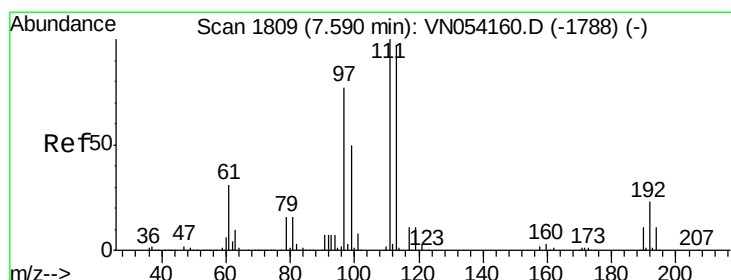
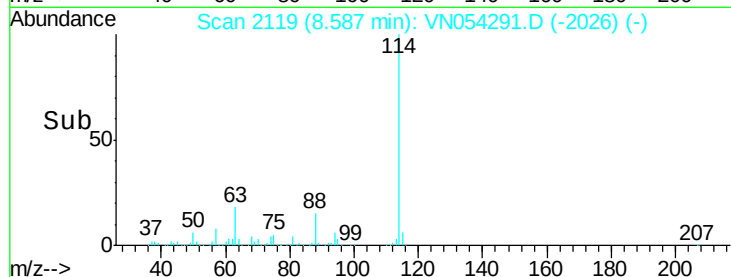
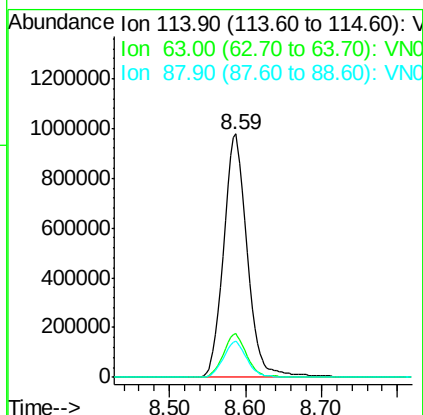
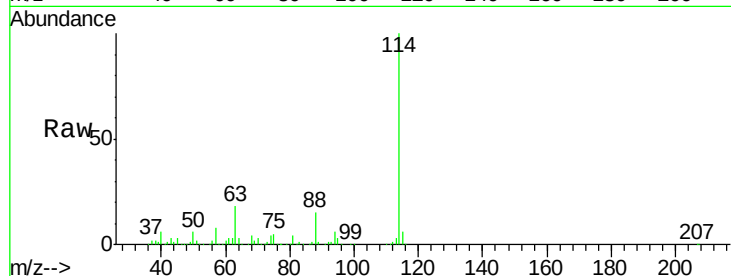


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054291.D
 Acq: 15 Mar 2019 5:28

Instrument :
 MSVOA_N
 ClientSampleId :
 30312-13-14-15-17

Tot Ion:114 Resp: 2126687

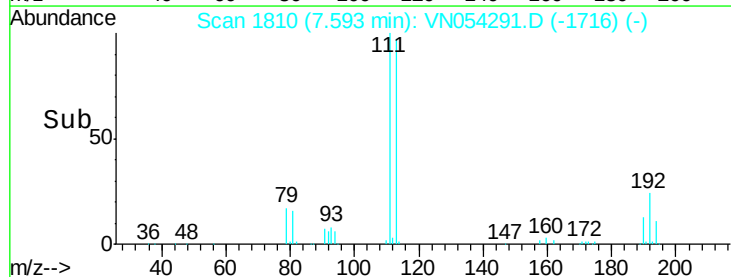
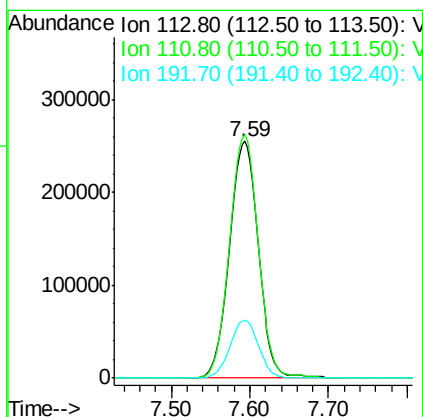
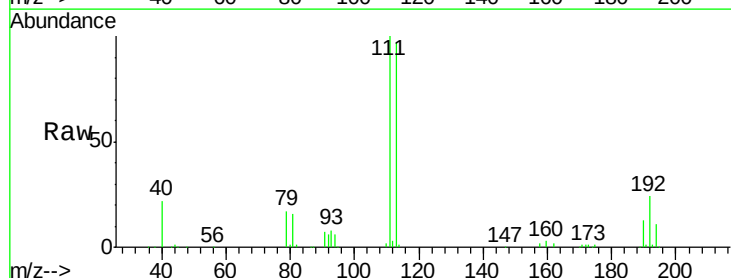
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.2
88	14.7	0.0	30.2

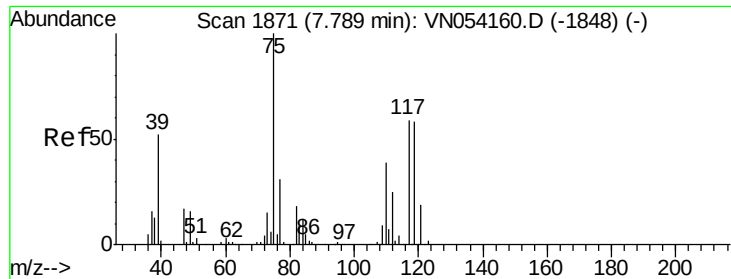


#35
 Dibromofluoromethane
 Concen: 47.573 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054291.D
 Acq: 15 Mar 2019 5:28

Tgt Ion:113 Resp: 652528

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	24.3	19.2	28.8





#36

1,1-Dichloropropene

Concen: 3.896 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

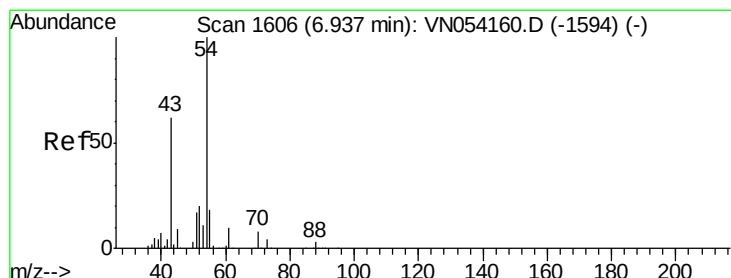
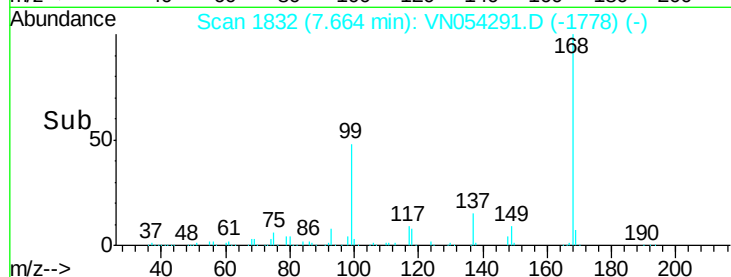
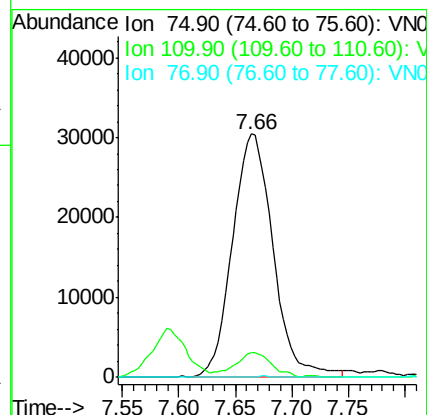
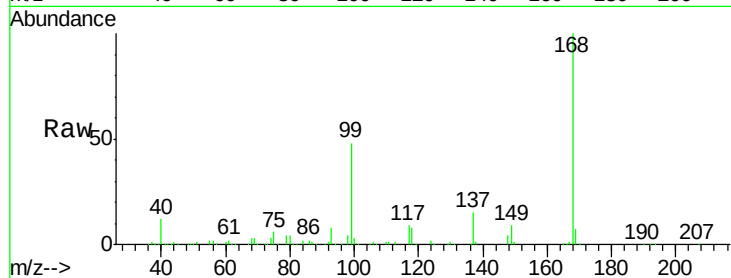
Tot Ion: 75 Resp: 76304

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 65.824 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. -0.09 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

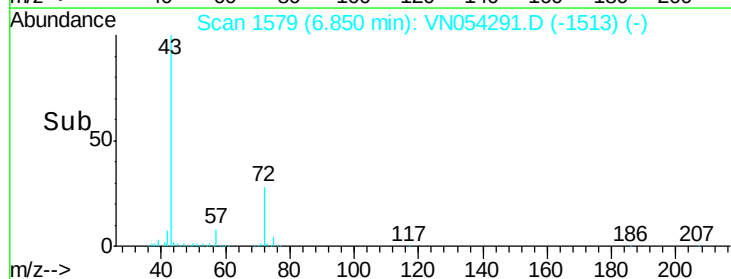
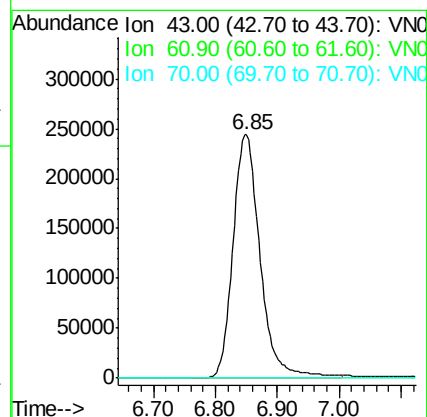
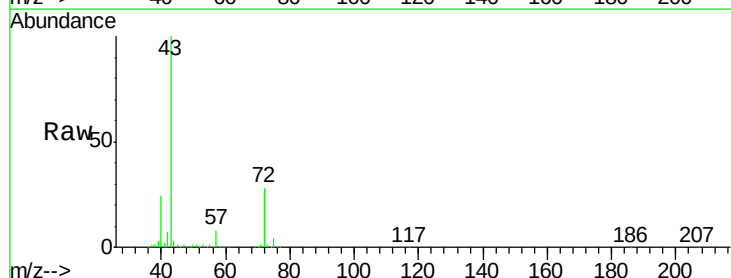
Tgt Ion: 43 Resp: 740742

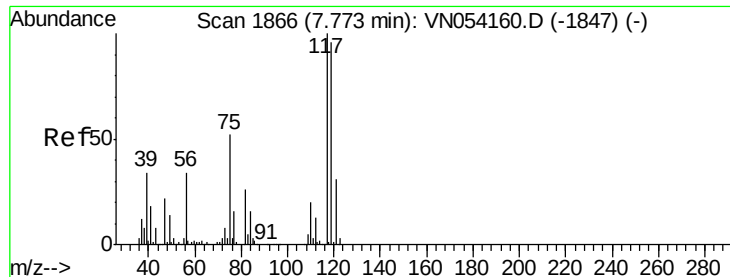
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.1 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 5.193 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

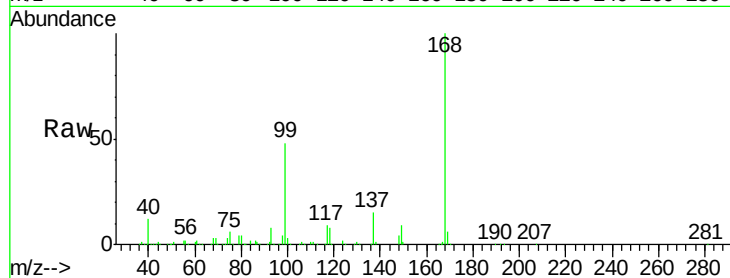
Tot Ion:117 Resp: 106651

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

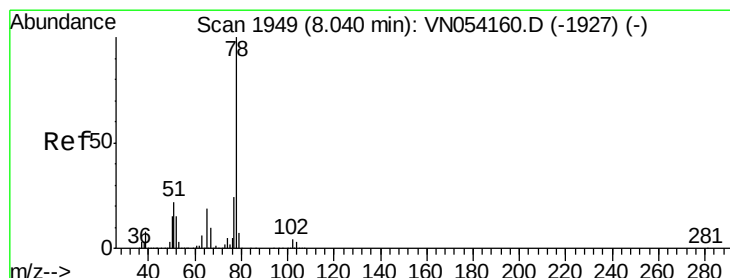
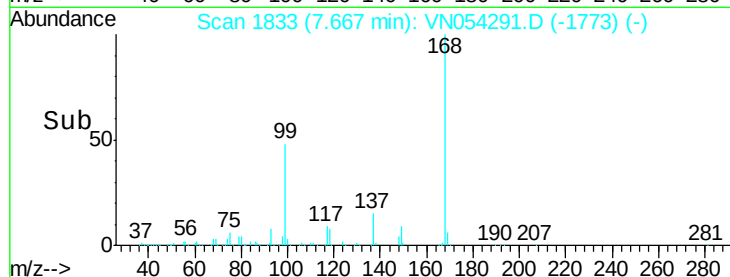
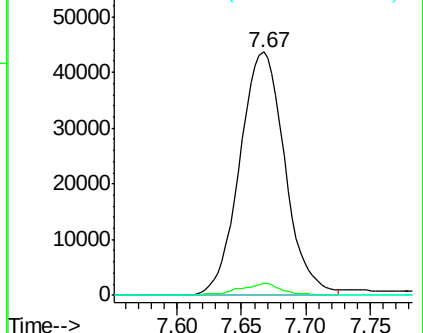
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 0.339 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN054291.D

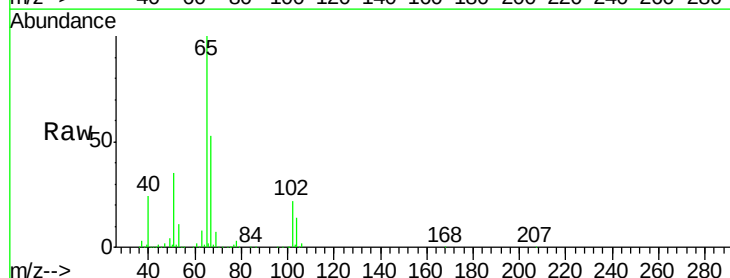
Acq: 15 Mar 2019 5:28

Tgt Ion: 78 Resp: 19009

Ion Ratio Lower Upper

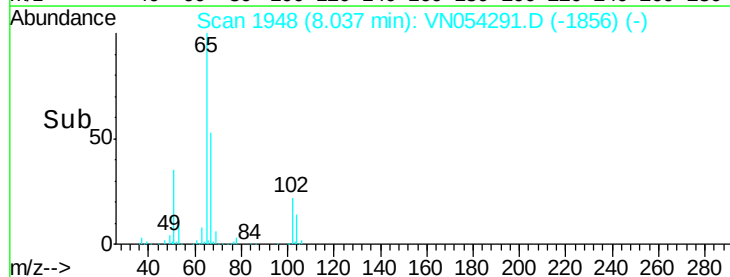
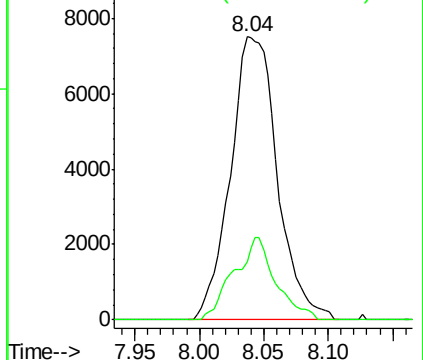
78 100

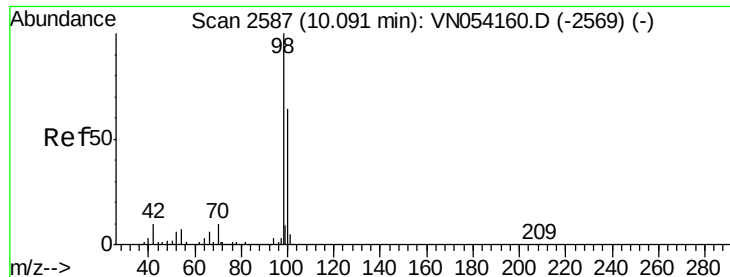
77 20.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 52.644 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

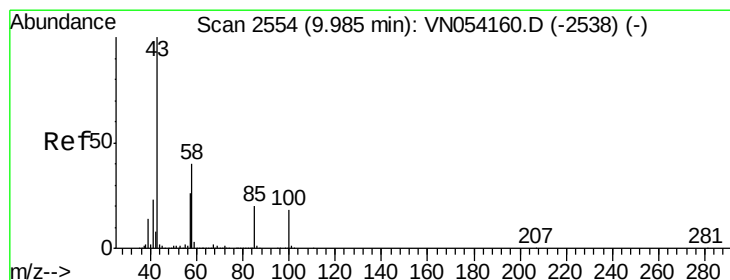
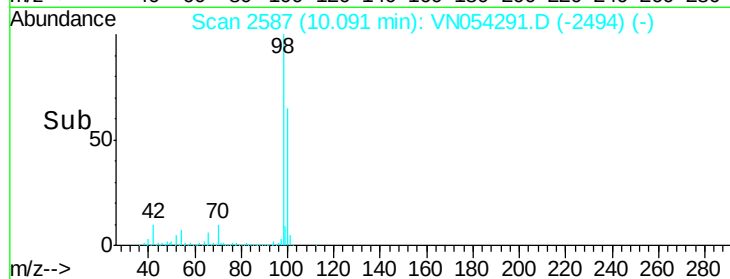
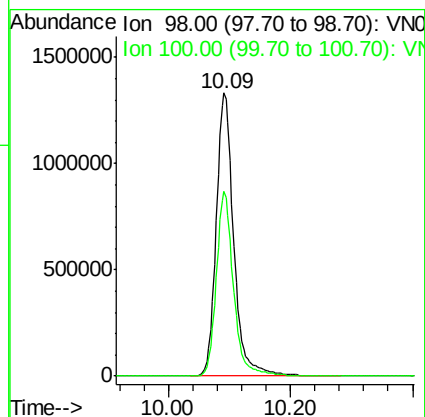
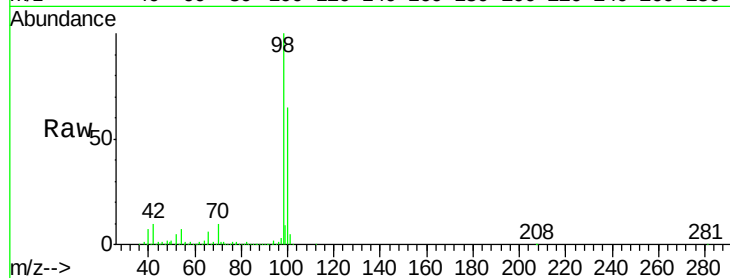
30312-13-14-15-17

Tot Ion: 98 Resp: 2666742

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 31.066 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.17 min

Lab File: VN054291.D

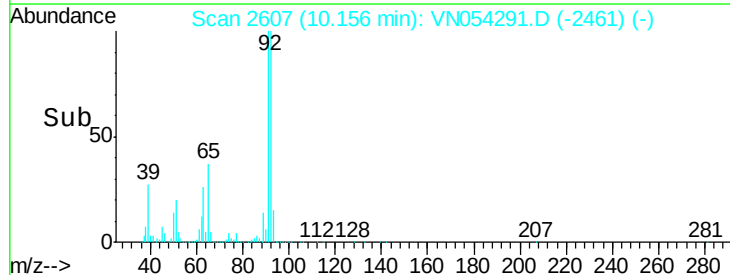
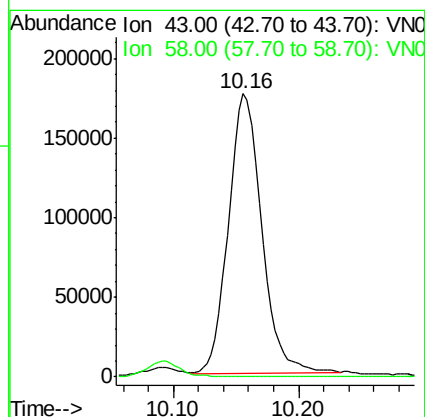
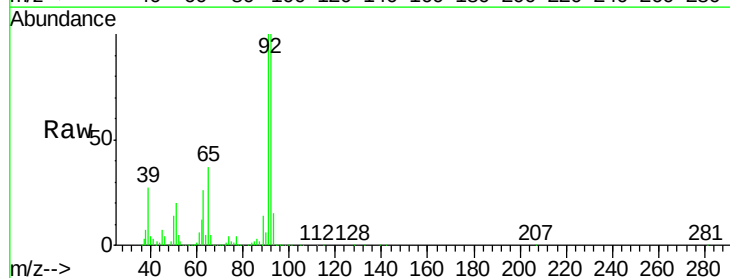
Acq: 15 Mar 2019 5:28

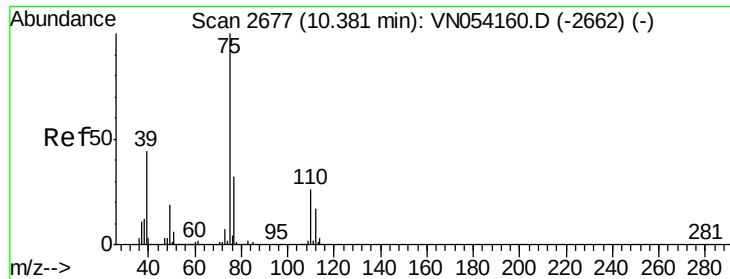
Tgt Ion: 43 Resp: 324742

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 18.204 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

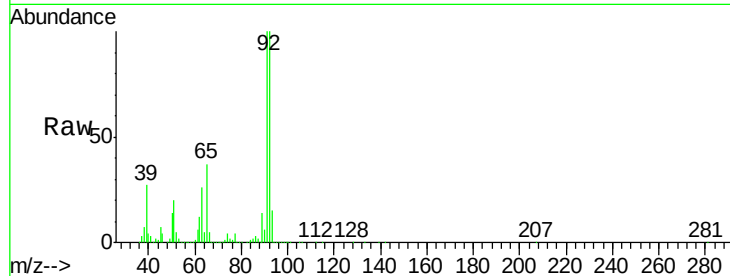
30312-13-14-15-17

Tot Ion: 75 Resp: 364123

Ion Ratio Lower Upper

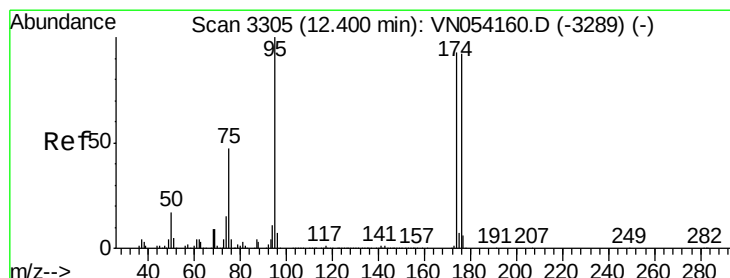
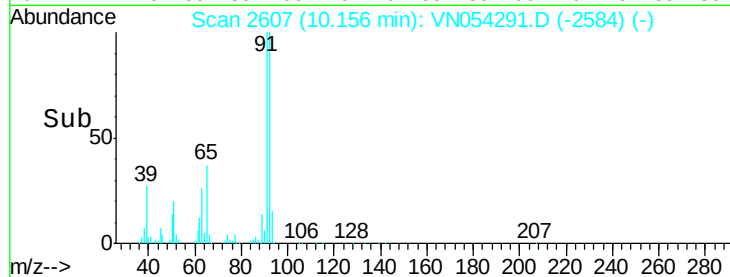
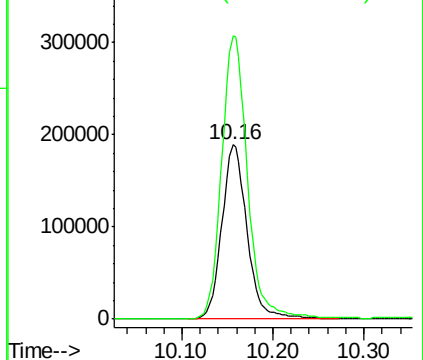
75 100

77 162.6 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 58.668 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

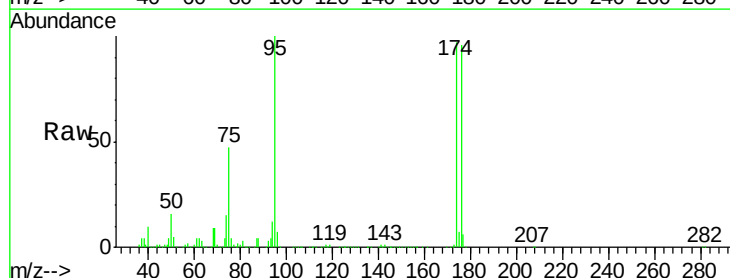
Tgt Ion: 95 Resp: 1039864

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

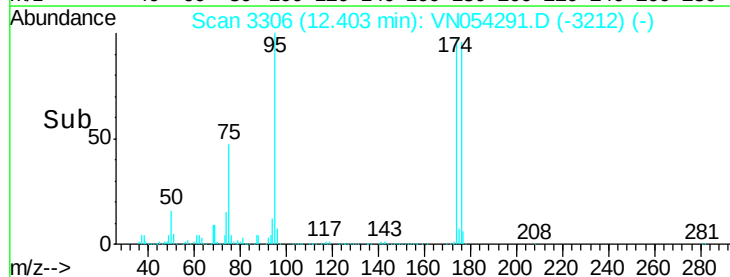
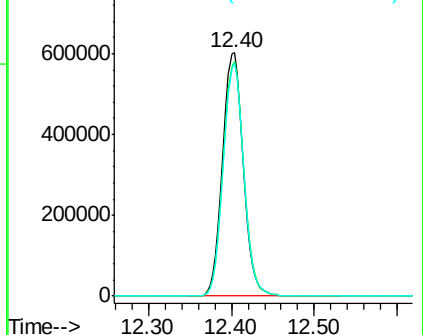
176 94.7 0.0 187.4

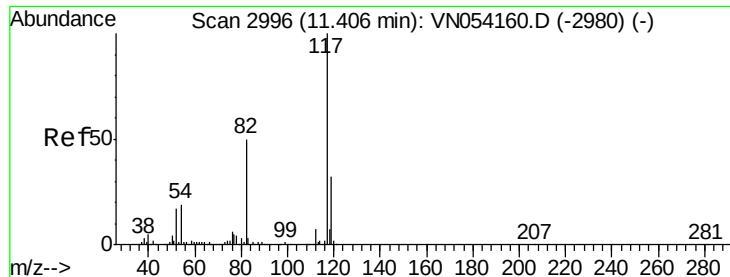


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

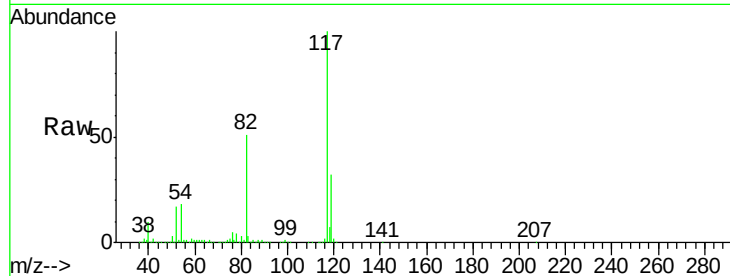
Tot Ion:117 Resp: 2268619

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

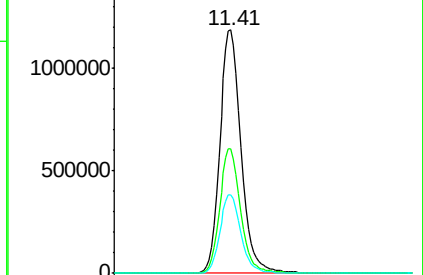
119 32.4 25.8 38.6



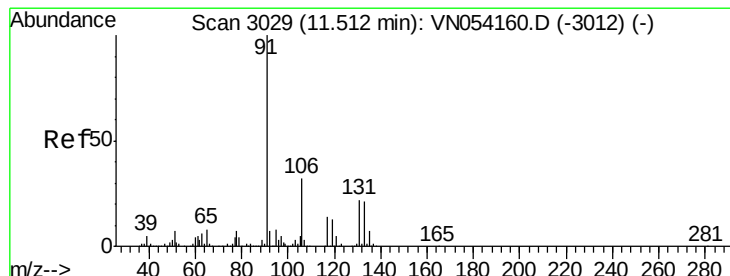
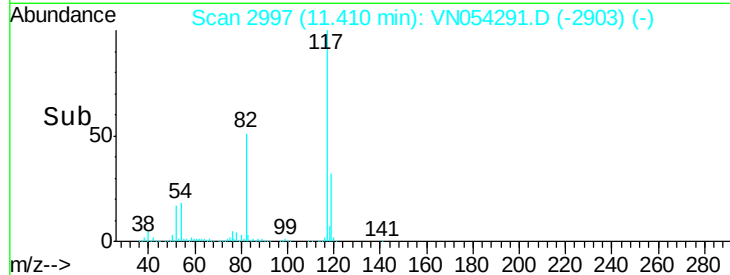
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#67

Ethyl Benzene

Concen: 1.647 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054291.D

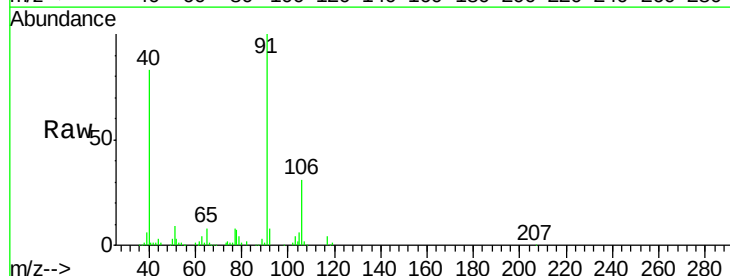
Acq: 15 Mar 2019 5:28

Tgt Ion: 91 Resp: 135964

Ion Ratio Lower Upper

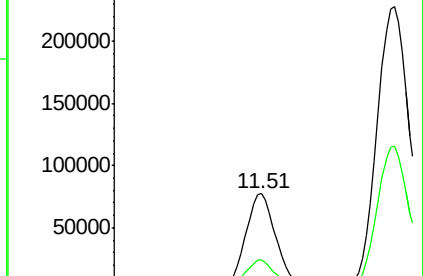
91 100

106 31.2 25.5 38.3

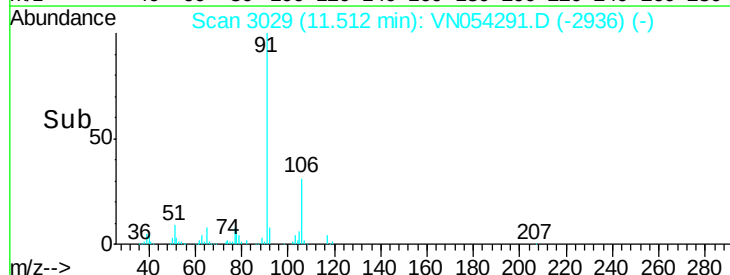


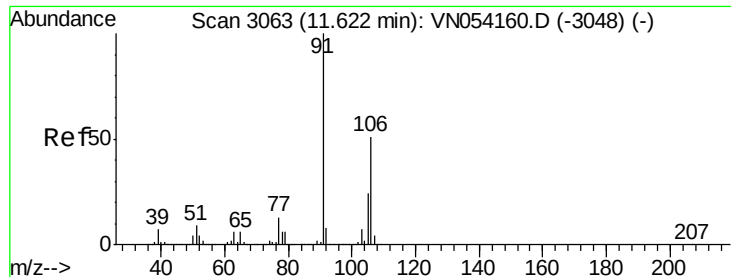
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



Time-->

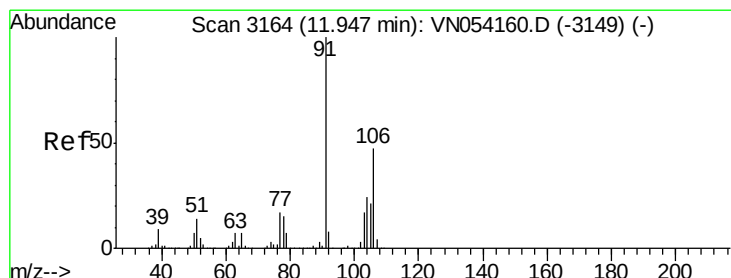
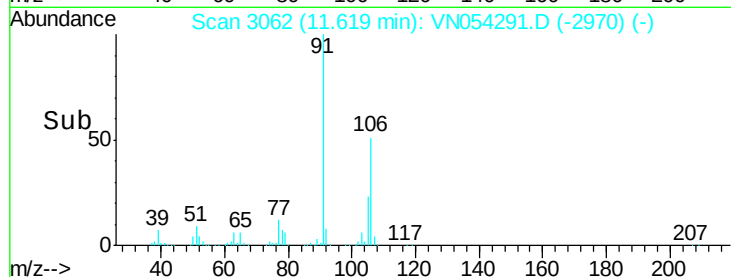
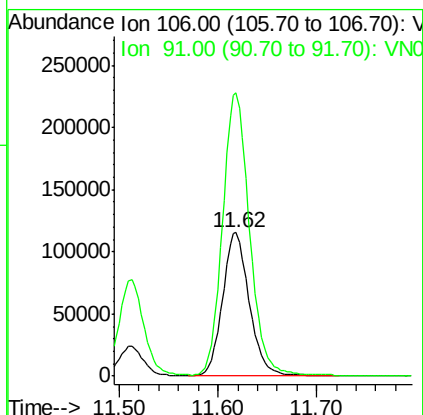
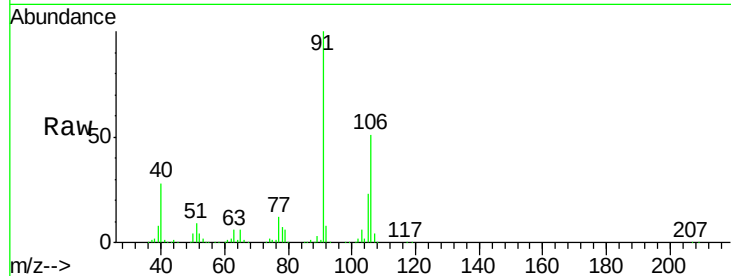




#68
m/p-Xylenes
Concen: 6.840 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

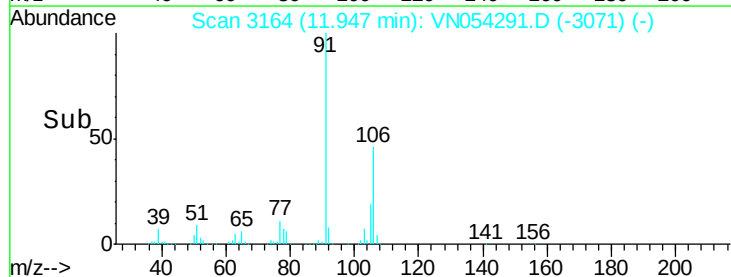
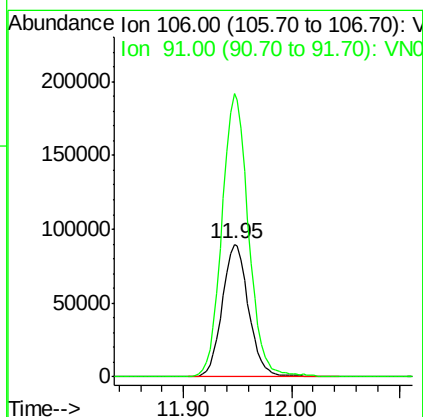
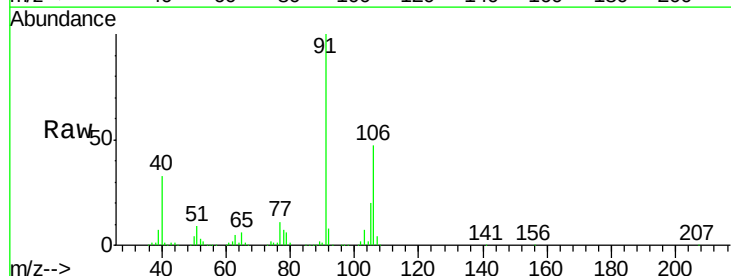
Instrument :
MSVOA_N
ClientSampleId :
30312-13-14-15-17

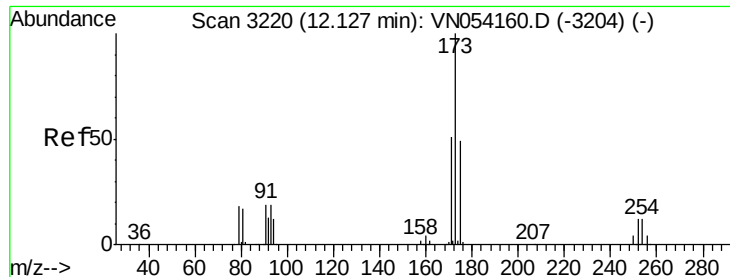
Tot Ion:106 Resp: 220759
Ion Ratio Lower Upper
106 100
91 196.1 159.4 239.2



#69
o-Xylene
Concen: 4.884 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Tgt Ion:106 Resp: 153665
Ion Ratio Lower Upper
106 100
91 214.5 105.7 317.1





#71

Bromoform

Concen: 2.796 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

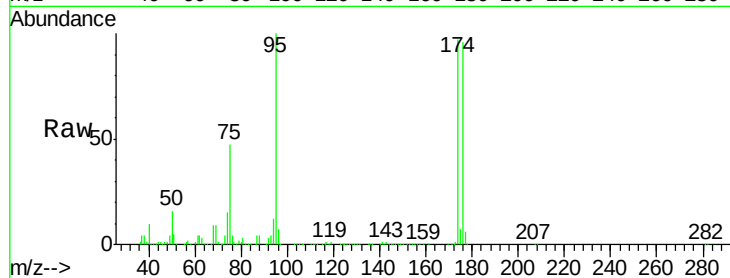
Tot Ion:173 Resp: 6448

Ion Ratio Lower Upper

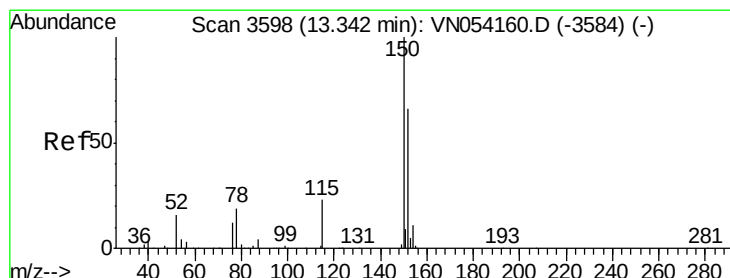
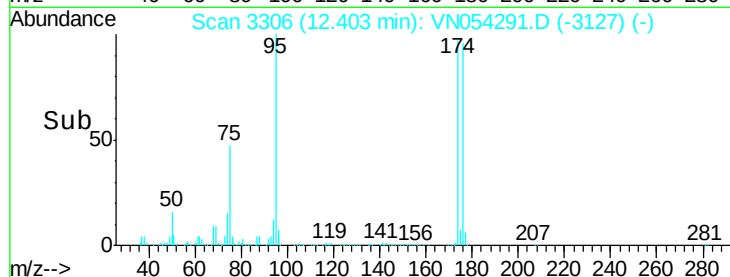
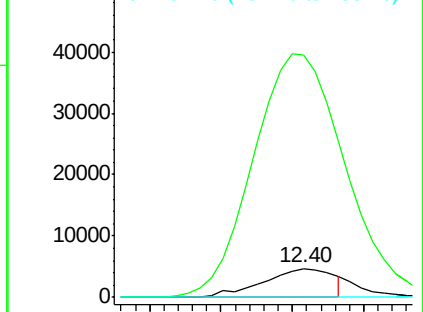
173 100

175 925.4 24.4 73.2#

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: VN054291.D

Acq: 15 Mar 2019 5:28

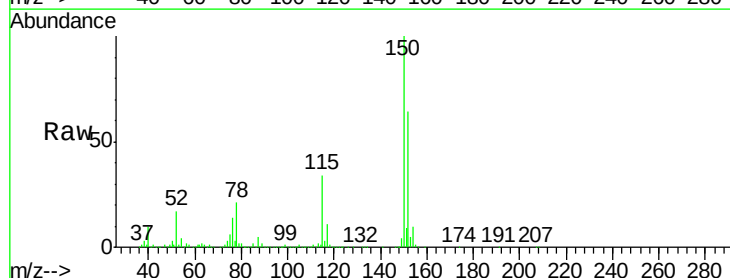
Tgt Ion:152 Resp: 1002905

Ion Ratio Lower Upper

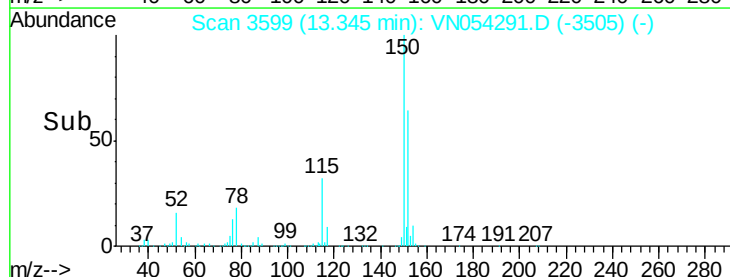
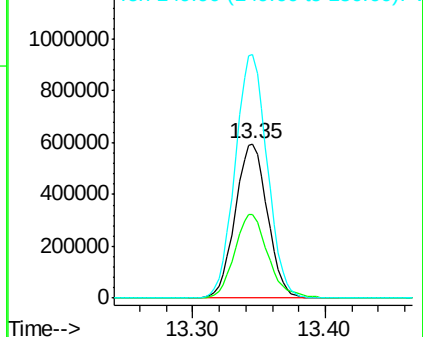
152 100

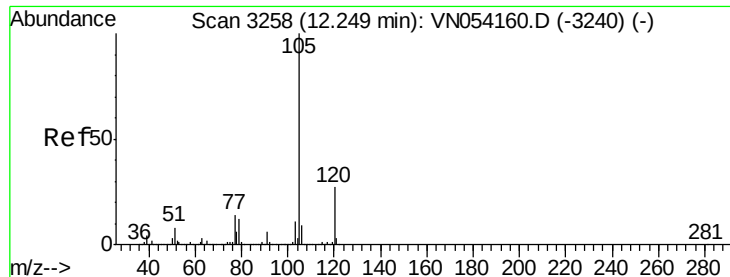
115 56.3 27.2 81.6

150 157.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 0.660 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

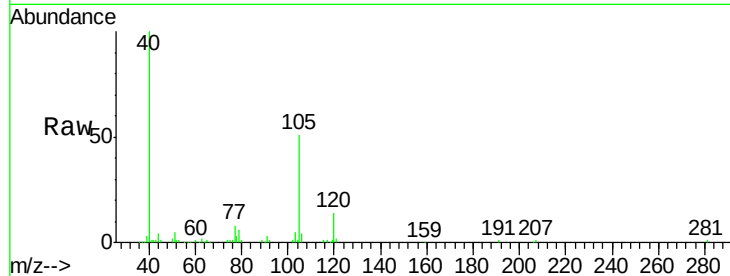
30312-13-14-15-17

Tot Ion:105 Resp: 52921

Ion Ratio Lower Upper

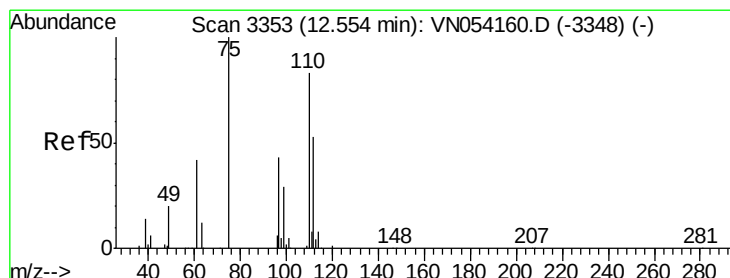
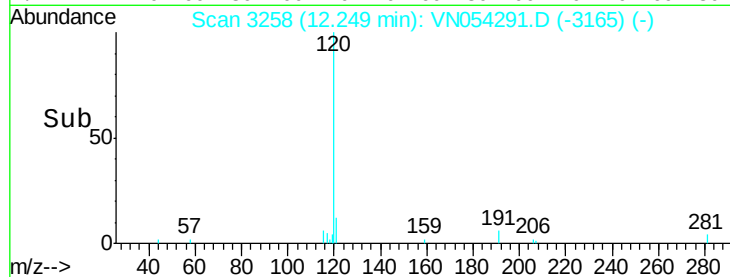
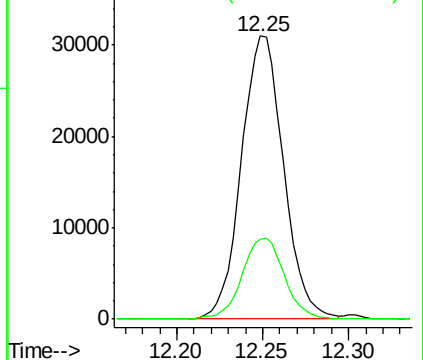
105 100

120 28.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 33.171 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054291.D

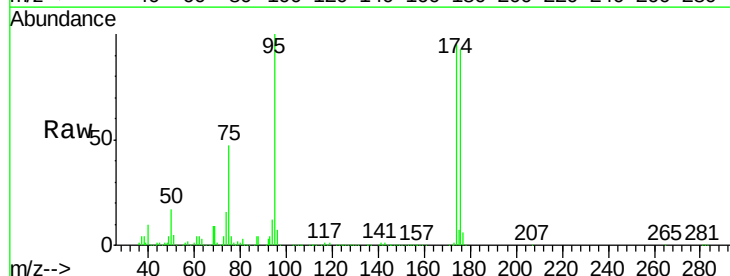
Acq: 15 Mar 2019 5:28

Tgt Ion: 75 Resp: 489206

Ion Ratio Lower Upper

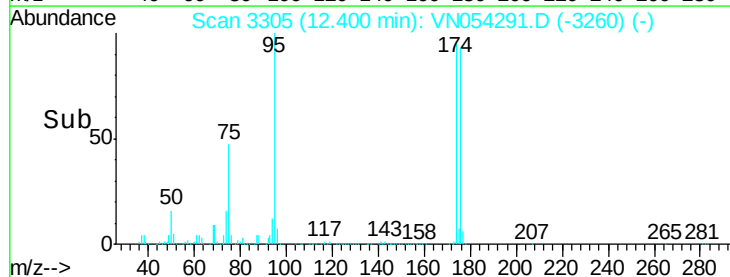
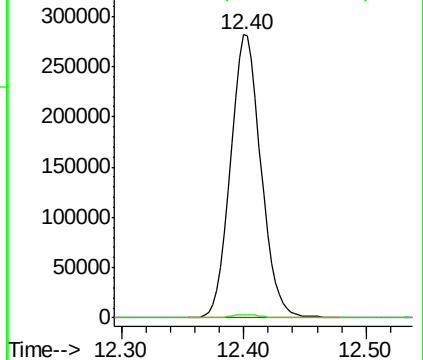
75 100

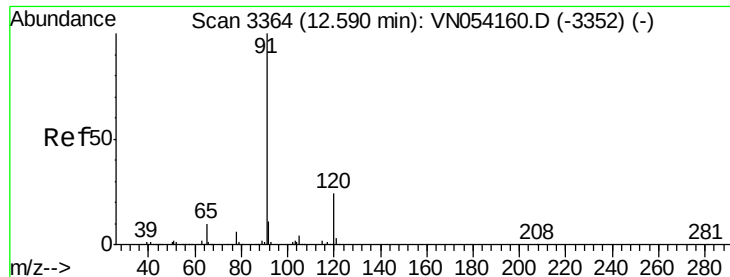
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 1.323 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

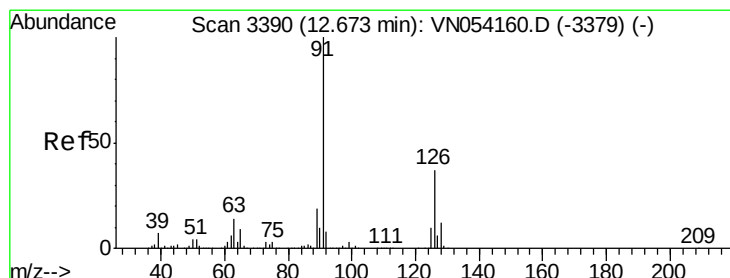
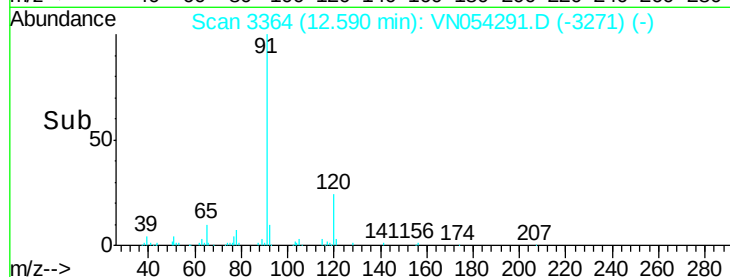
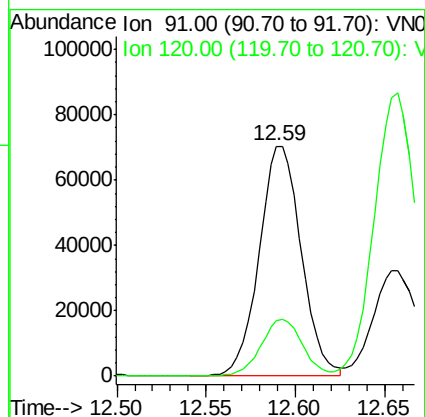
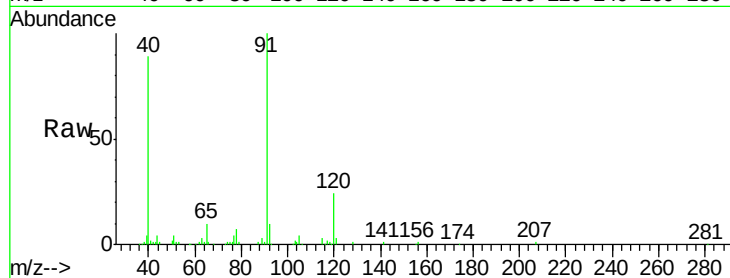
30312-13-14-15-17

Tot Ion: 91 Resp: 115211

Ion Ratio Lower Upper

91 100

120 24.8 12.3 36.9



#79

2-Chlorotoluene

Concen: 0.930 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN054291.D

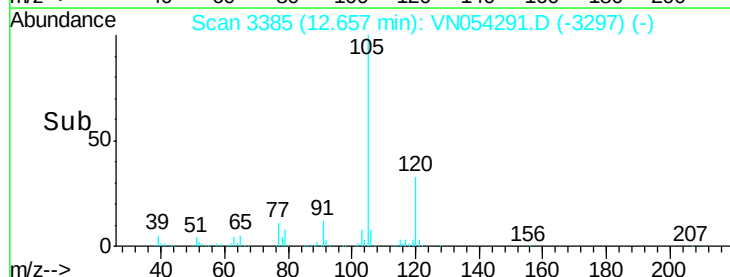
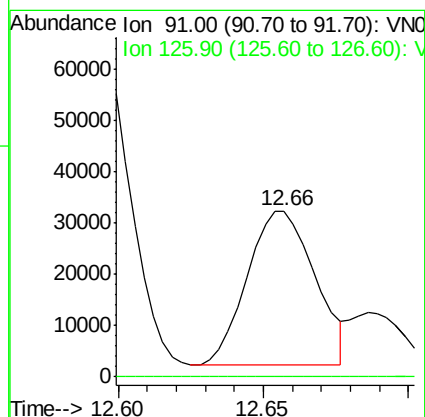
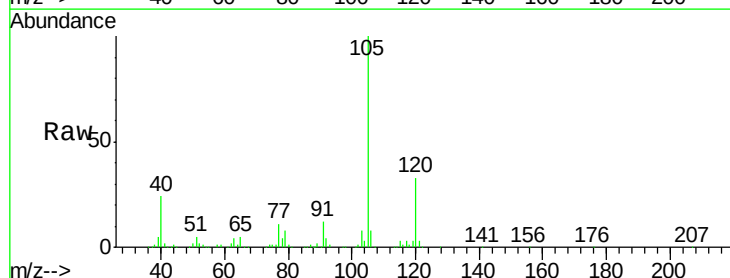
Acq: 15 Mar 2019 5:28

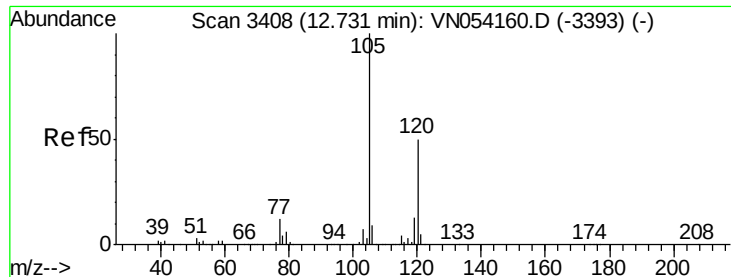
Tgt Ion: 91 Resp: 48682

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 3.986 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

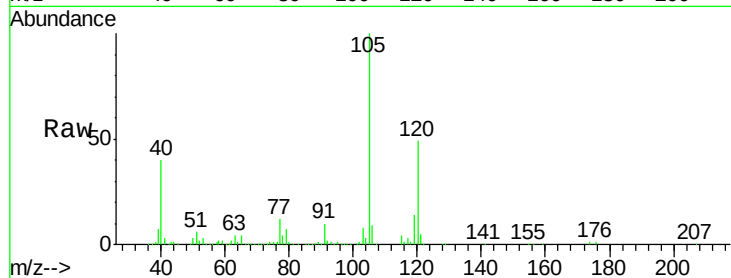
30312-13-14-15-17

Tot Ion:105 Resp: 266065

Ion Ratio Lower Upper

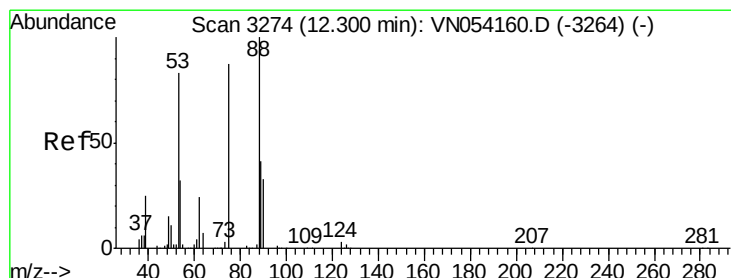
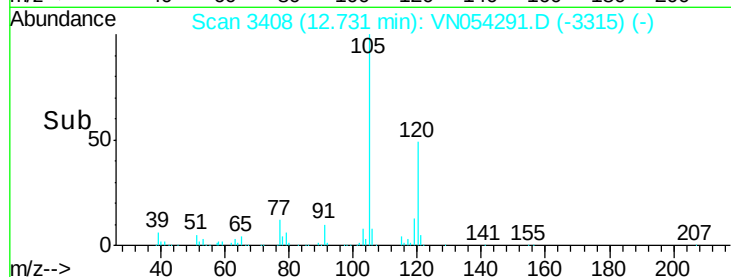
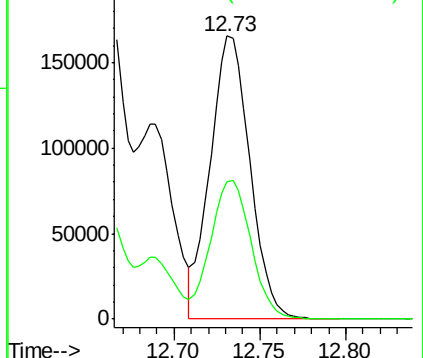
105 100

120 50.2 25.0 75.0



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: 113.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

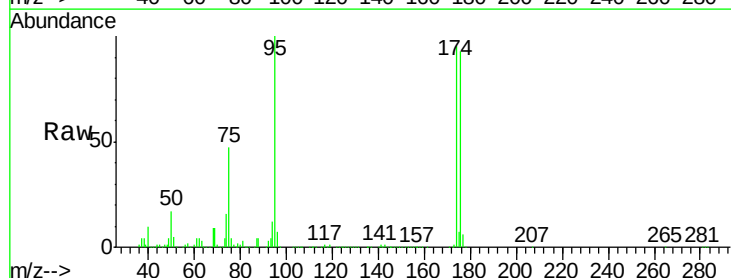
Tgt Ion: 75 Resp: 489206

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

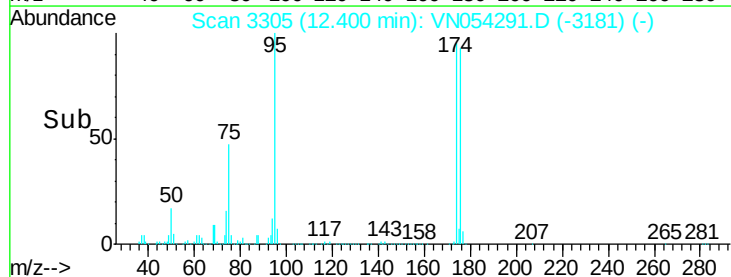
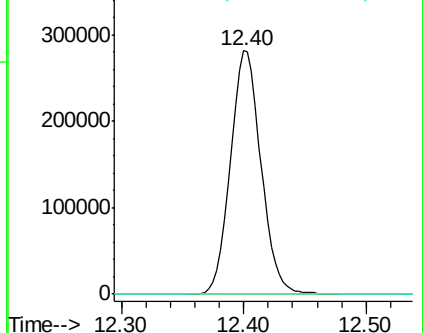
89 0.0 39.2 58.8#

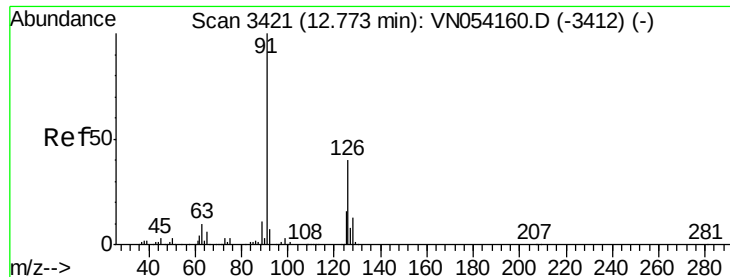


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

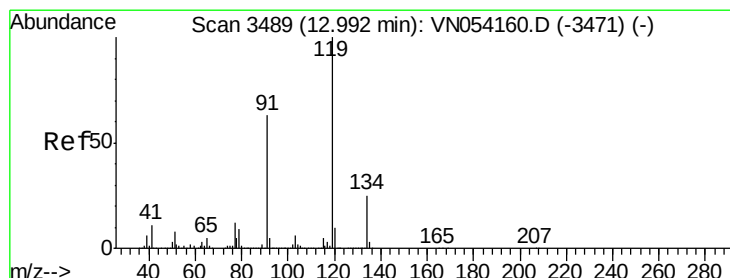
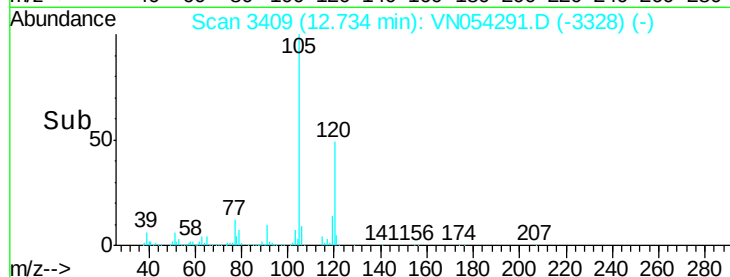
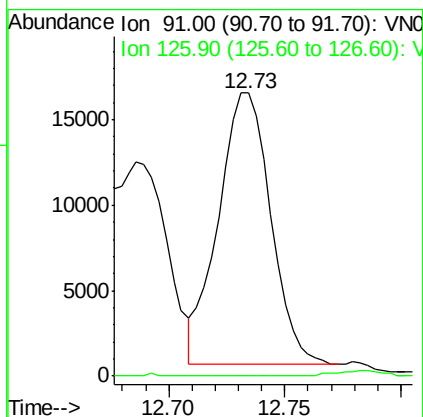
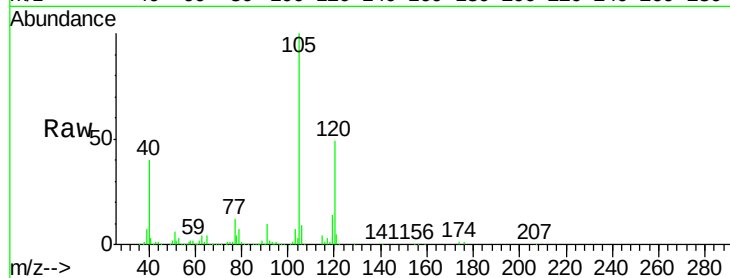




#82
4-Chlorotoluene
Concen: 0.478 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

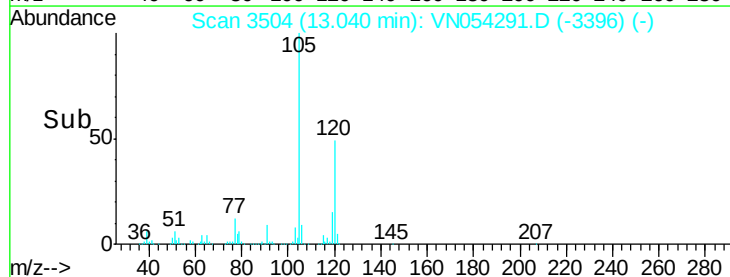
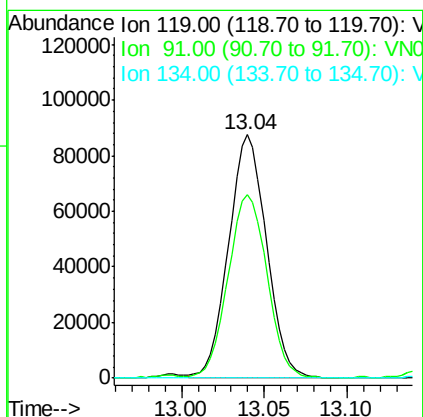
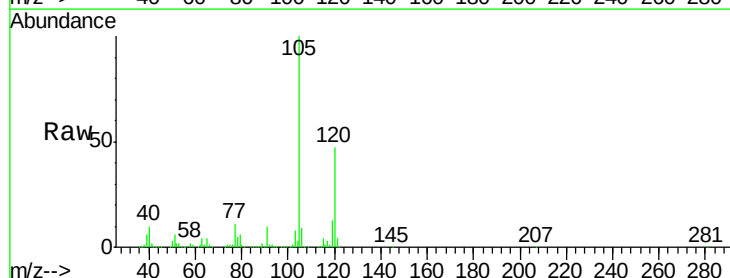
Instrument :
MSVOA_N
ClientSampleId :
30312-13-14-15-17

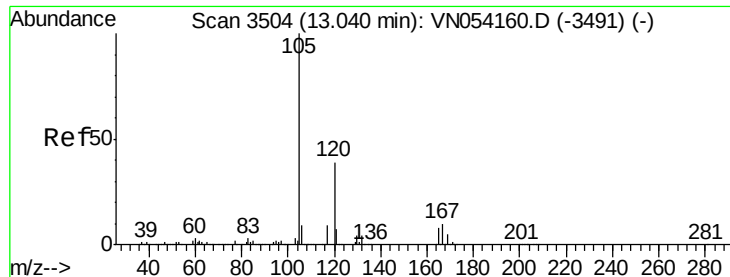
Tot Ion: 91 Resp: 24967
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#83
tert-Butylbenzene
Concen: 2.269 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054291.D
Acq: 15 Mar 2019 5:28

Tgt Ion: 119 Resp: 139368
Ion Ratio Lower Upper
119 100
91 77.0 30.9 92.8
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 16.776 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

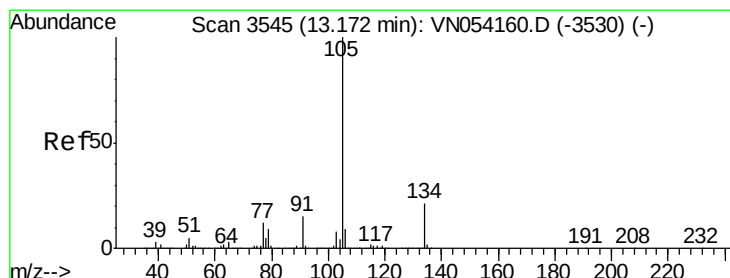
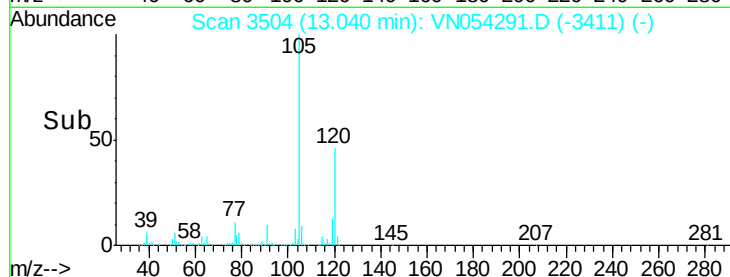
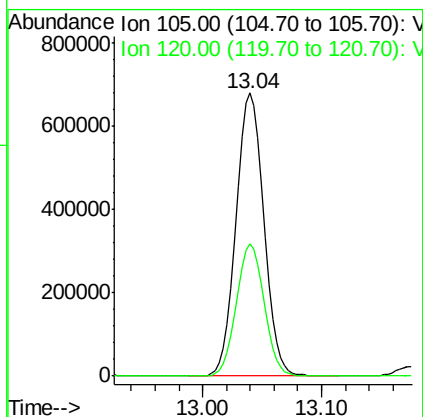
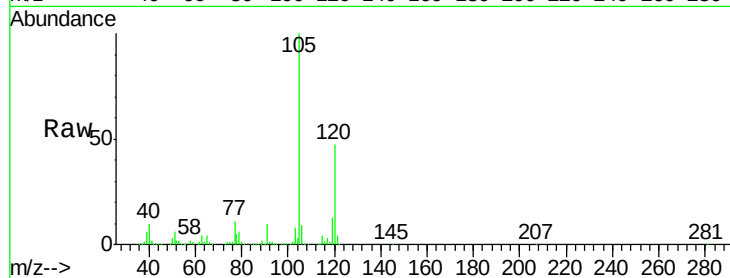
30312-13-14-15-17

Tot Ion:105 Resp: 1098452

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.3



#85

sec-Butylbenzene

Concen: 0.436 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054291.D

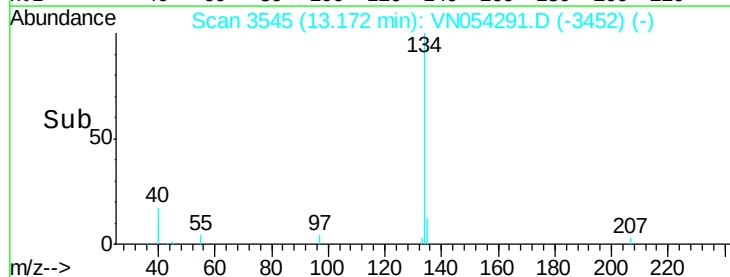
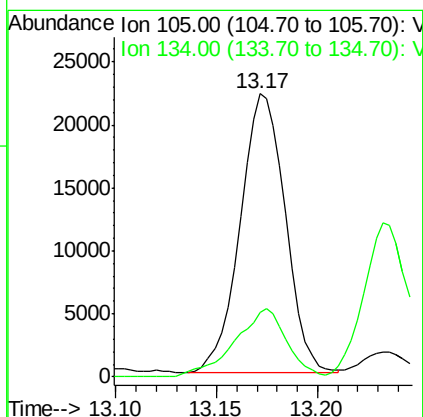
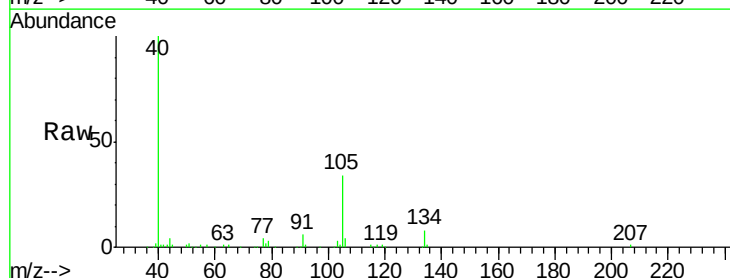
Acq: 15 Mar 2019 5:28

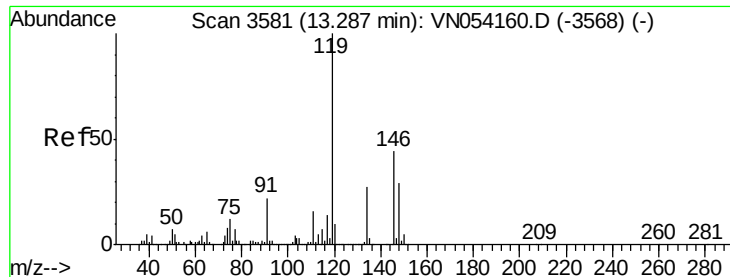
Tgt Ion:105 Resp: 34731

Ion Ratio Lower Upper

105 100

134 27.8 10.7 32.1





#86

p-Isopropyltoluene

Concen: 0.500 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

30312-13-14-15-17

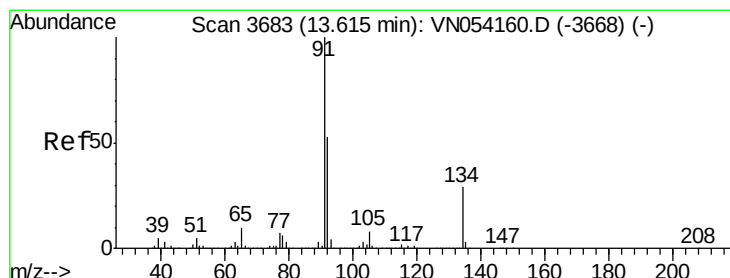
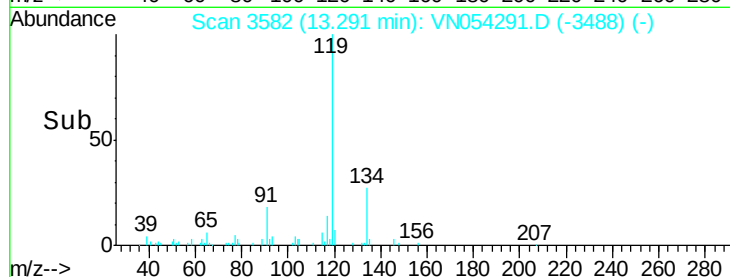
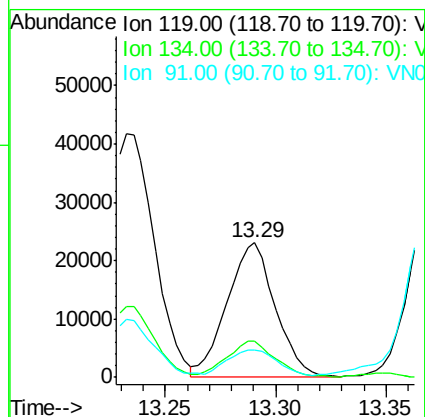
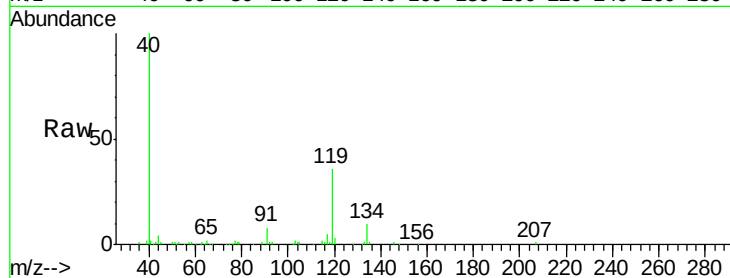
Tot Ion:119 Resp: 34956

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 18.6 11.1 33.3



#89

n-Butylbenzene

Concen: 0.429 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

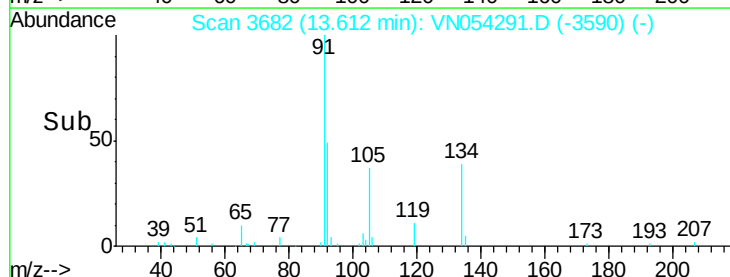
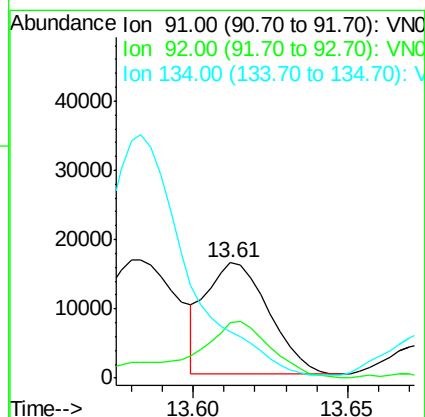
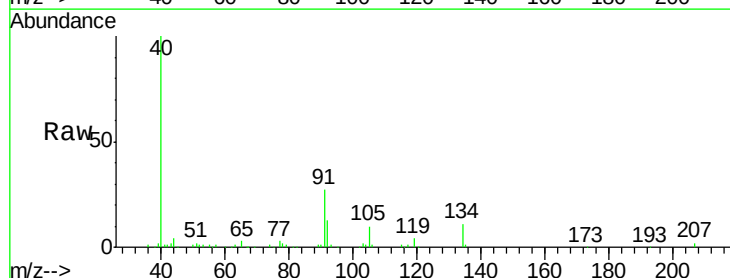
Tgt Ion: 91 Resp: 22756

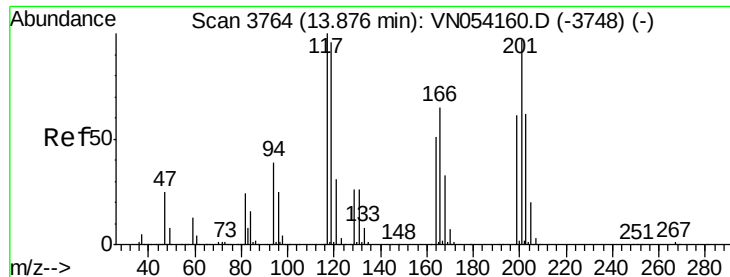
Ion Ratio Lower Upper

91 100

92 67.8 26.2 78.6

134 0.0 14.3 42.9#





#90

Hexachloroethane

Concen: 1.196 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

Instrument :

MSVOA_N

ClientSampleId :

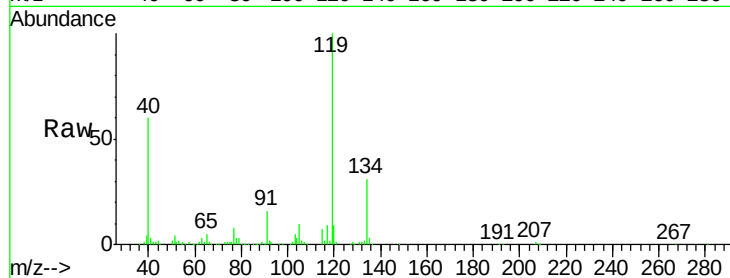
30312-13-14-15-17

Tot Ion:117 Resp: 13841

Ion Ratio Lower Upper

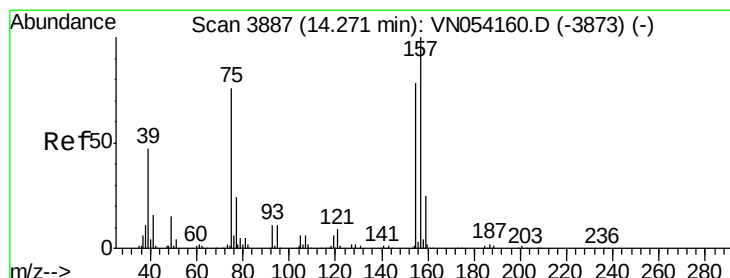
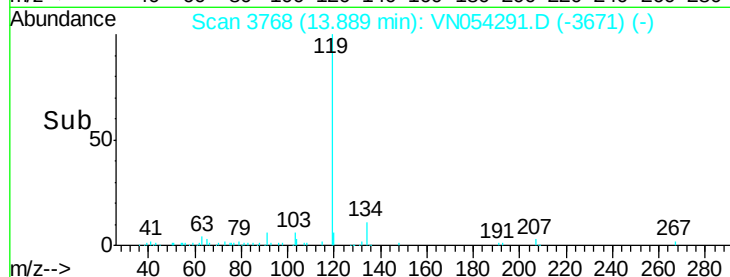
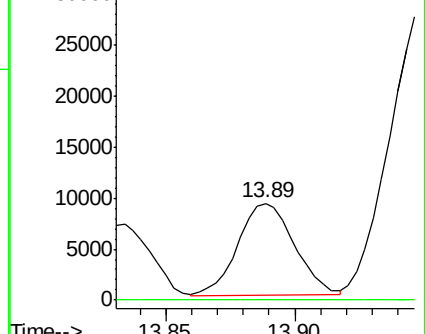
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.812 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054291.D

Acq: 15 Mar 2019 5:28

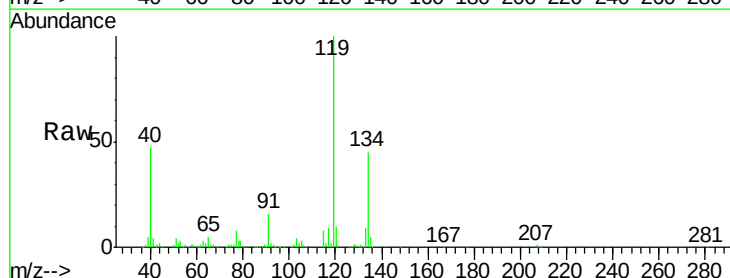
Tgt Ion: 75 Resp: 2149

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

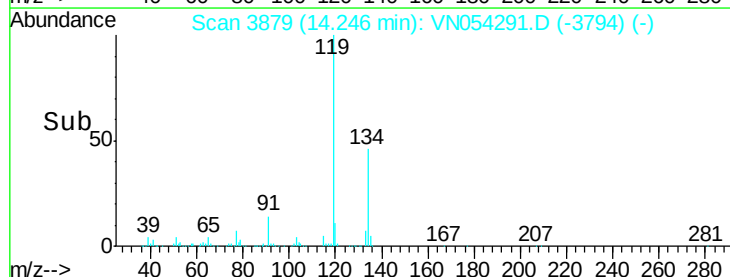
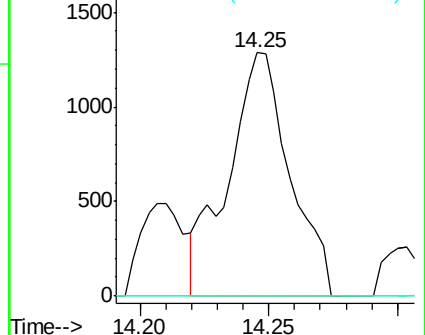
157 0.0 63.1 189.3#

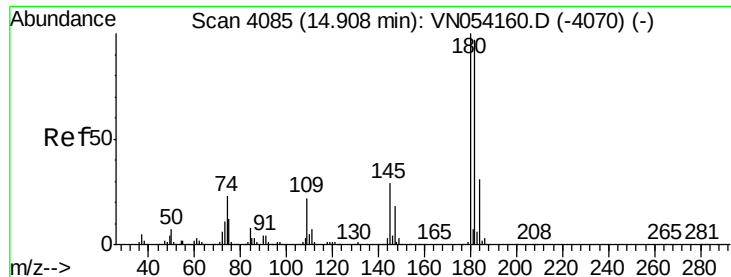


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

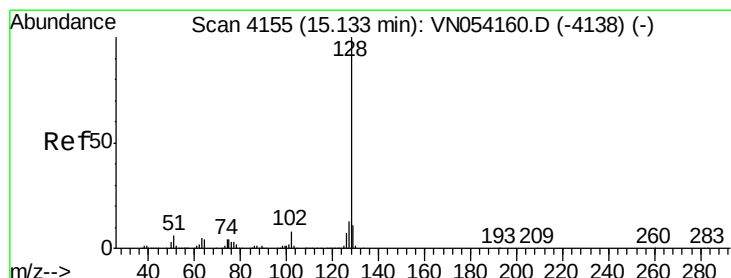
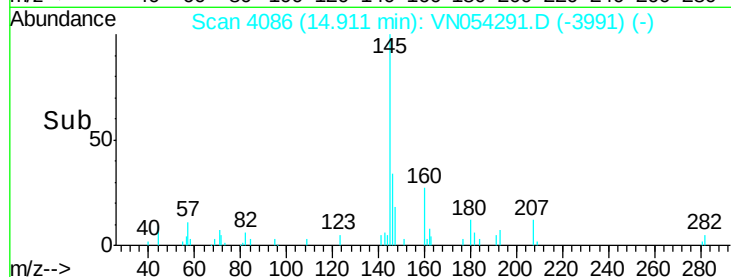
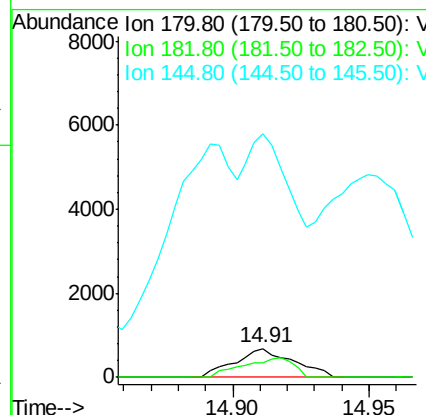
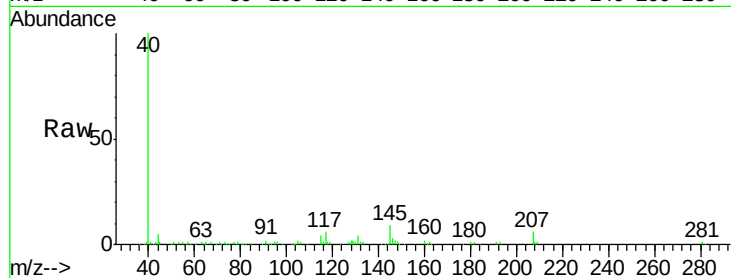




#93
 1,2,4-Trichlorobenzene
 Concen: 2.562 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054291.D
 Acq: 15 Mar 2019 5:28

Instrument :
 MSVOA_N
 ClientSampleId :
 30312-13-14-15-17

Tot Ion	Ratio	Lower	Upper
180	100		
182	57.5	48.0	144.2
145	0.0	14.2	42.8#



#95
 Naphthalene
 Concen: 6.371 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054291.D
 Acq: 15 Mar 2019 5:28

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.5	8.7	13.1

