

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054290.D
 Acq On : 15 Mar 2019 5:01
 Operator : JC/SP
 Sample : K1902-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30307-08-09-10-11

Quant Time: Mar 15 07:02:37 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	1314546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2168564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2324483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1028845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	708884	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	677244	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.09	98	2722919	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	1052544	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.96	142	528	1.523	ug/l #	49
11) Tert butyl alcohol	4.82	59	821	0.858	ug/l #	80
13) Acrolein	3.61	56	1584	1.747	ug/l #	14
16) Acetone	3.82	43	152475	38.145	ug/l	99
18) Methyl Acetate	4.34	43	4752	0.588	ug/l #	86
20) Methylene Chloride	4.55	84	102452	7.806	ug/l	97
25) 2-Butanone	6.85	43	569304	121.348	ug/l	99
31) Cyclohexane	7.67	56	21304	Below Cal	#	8
36) 1,1-Dichloropropene	7.66	75	75349	3.773	ug/l #	48
37) Ethyl Acetate	6.85	43	569304	49.613	ug/l #	68
38) Carbon Tetrachloride	7.67	117	106213	5.072	ug/l #	16
39) Methylcyclohexane	9.08	83	6479	0.264	ug/l	85
40) Benzene	8.04	78	59122	1.035	ug/l	99
43) Isopropyl Acetate	8.26	43	16152	0.802	ug/l #	60
49) 1,4-Dioxane	9.09	88	71	0.491	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	9022	0.846	ug/l #	1
53) t-1,3-Dichloropropene	10.16	75	267742	13.681	ug/l #	1
67) Ethyl Benzene	11.51	91	120430	1.423	ug/l	100
68) m/p-Xylenes	11.62	106	200529	6.064	ug/l	99
69) o-Xylene	11.95	106	136644	4.239	ug/l	100
71) Bromoform	12.40	173	6728	2.804	ug/l #	1
73) Isopropylbenzene	12.25	105	54534	0.663	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	504996	33.378	ug/l #	100
78) n-propylbenzene	12.59	91	117704	1.318	ug/l	97
79) 2-Chlorotoluene	12.65	91	45639	0.850	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	255331	3.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	504996	114.101	ug/l #	11
82) 4-Chlorotoluene	12.73	91	26816	0.500	ug/l #	39
83) tert-Butylbenzene	13.04	119	125383	1.990	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	1004847	14.960	ug/l	100
85) sec-Butylbenzene	13.17	105	42927	0.525	ug/l	88
86) p-Isopropyltoluene	13.29	119	39627	0.553	ug/l	96
89) n-Butylbenzene	13.61	91	26565	0.488	ug/l #	71
90) Hexachloroethane	13.89	117	15565	1.311	ug/l #	2

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QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

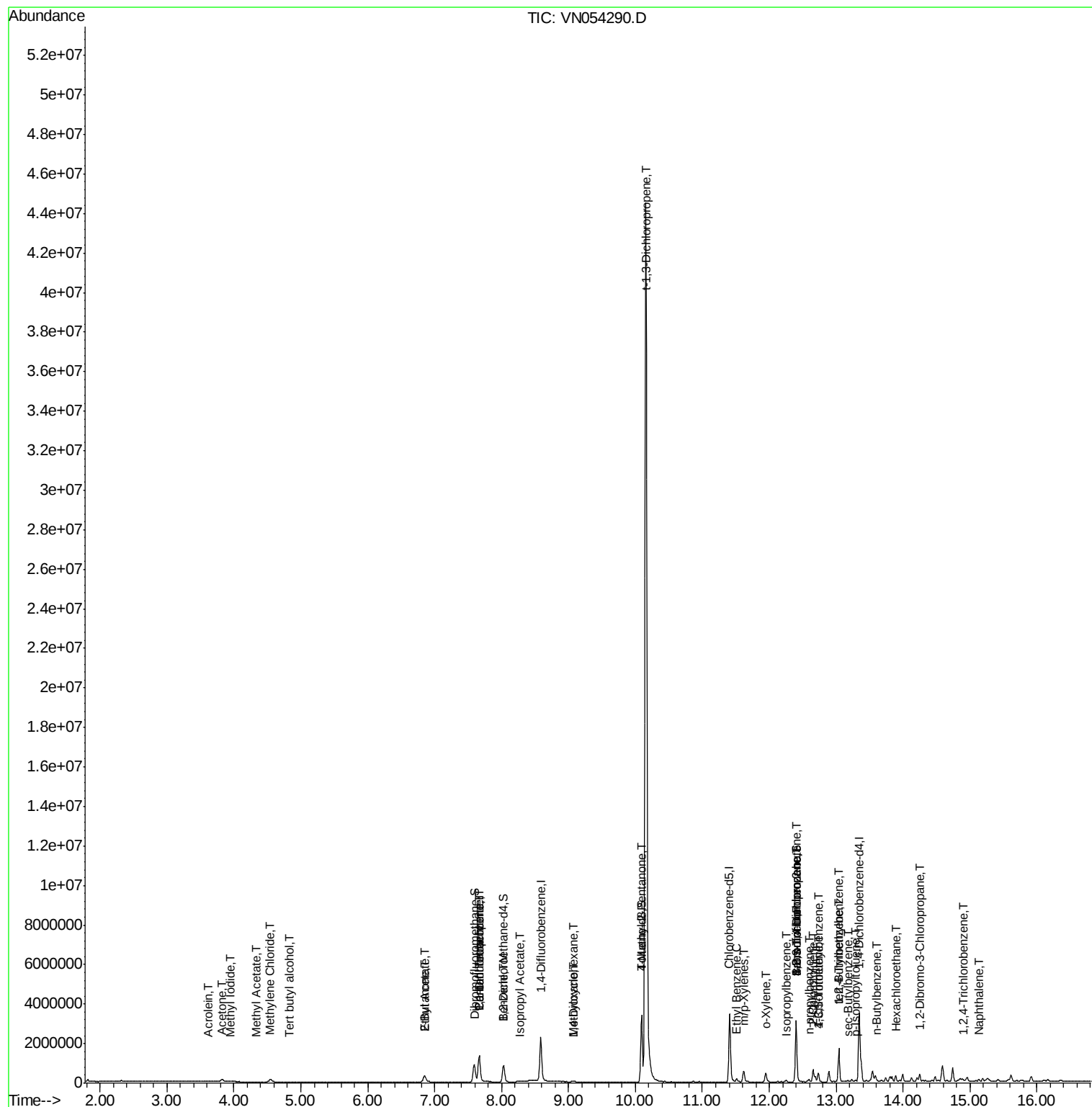
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1920	0.707	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	475	2.537	ug/l #	1
95) Naphthalene	15.13	128	95537	5.440	ug/l	100

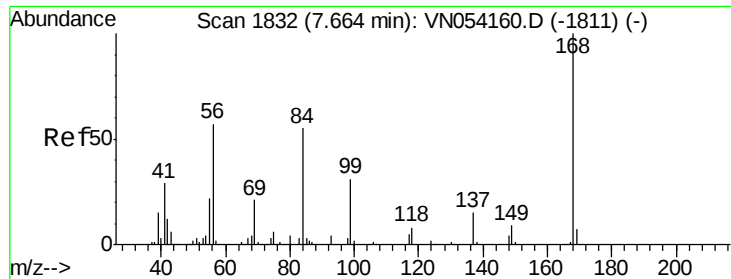
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

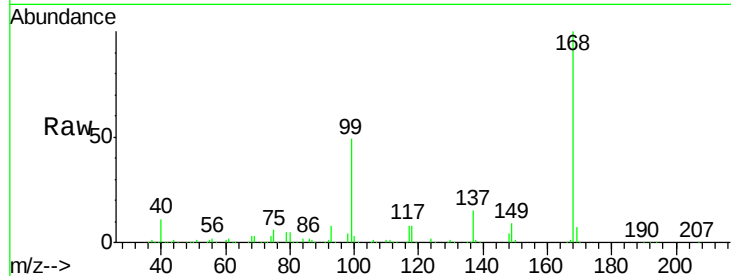
30307-08-09-10-11

Tot Ion:168 Resp: 1314546

Ion Ratio Lower Upper

168 100

99 48.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

7.67

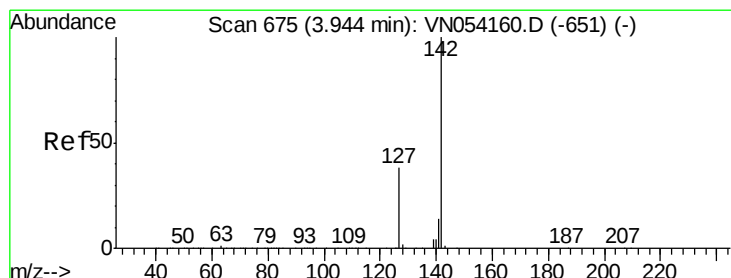
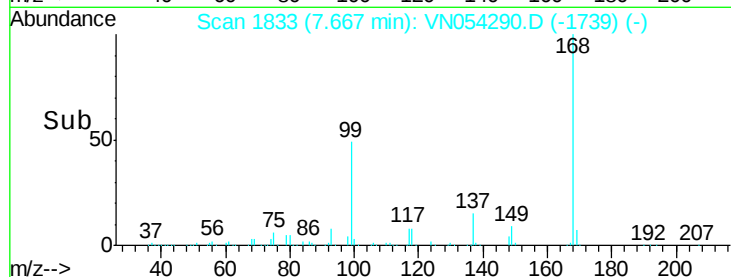
7.60

7.70

7.80

7.90

Time-->



#10

Methyl Iodide

Concen: 1.523 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

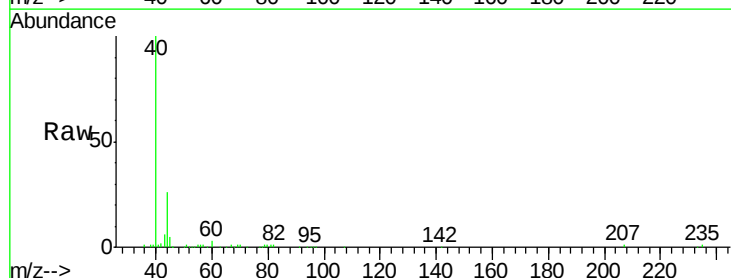
Tgt Ion:142 Resp: 528

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 5.7 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

300

250

200

150

100

50

0

3.96

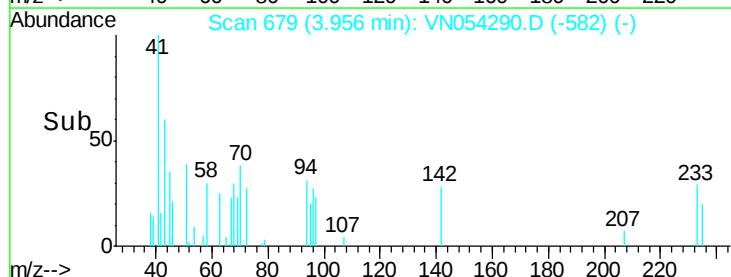
3.92

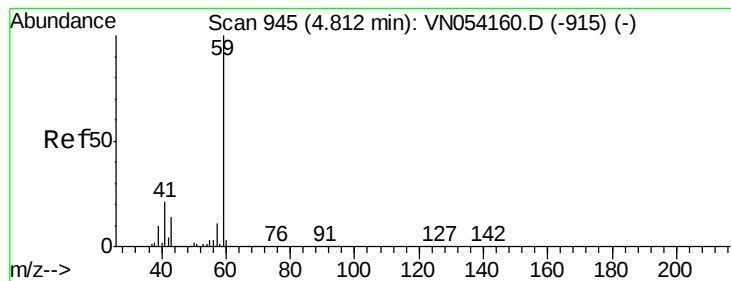
3.94

3.96

3.98

Time-->





#11

Tert butyl alcohol

Concen: 0.858 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

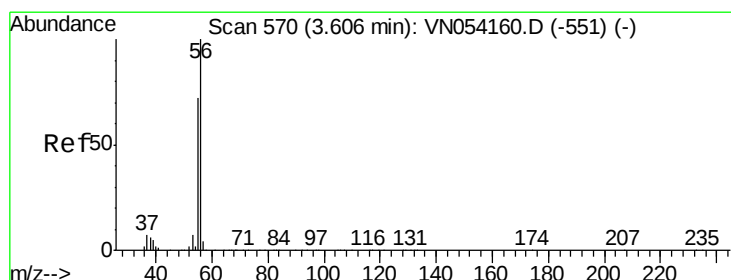
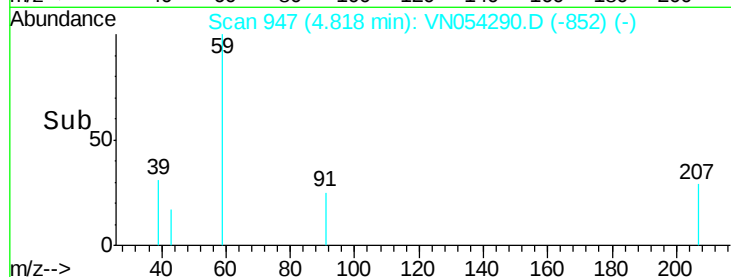
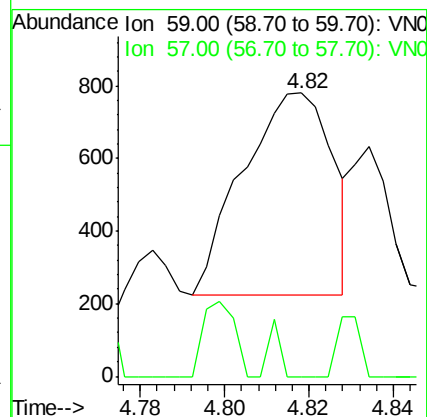
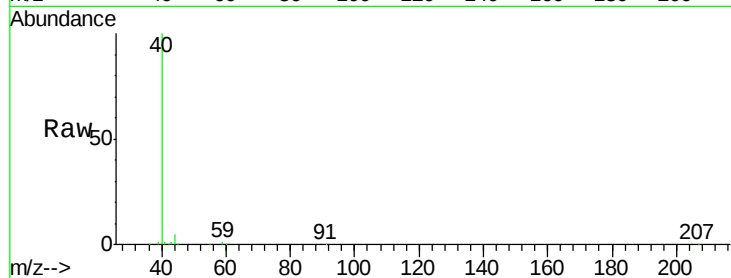
30307-08-09-10-11

Tot Ion: 59 Resp: 821

Ion Ratio Lower Upper

59 100

57 3.7 9.0 13.6#



#13

Acrolein

Concen: 1.747 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054290.D

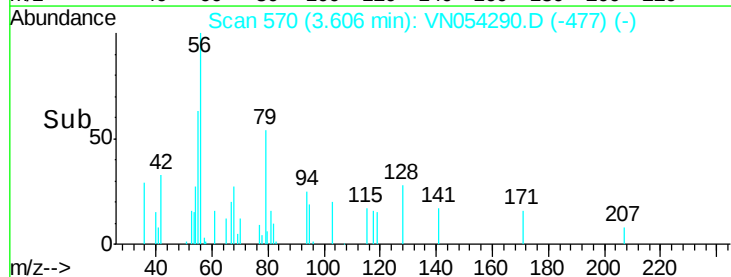
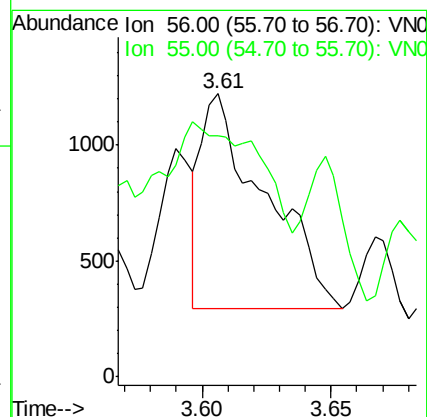
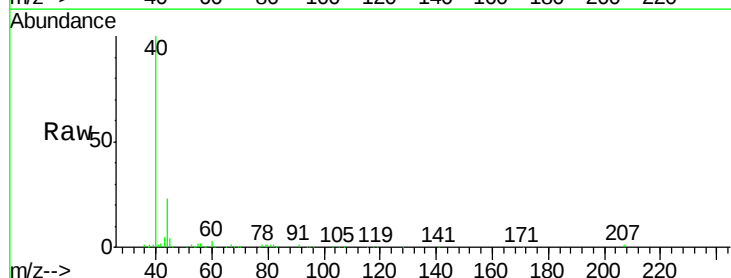
Acq: 15 Mar 2019 5:01

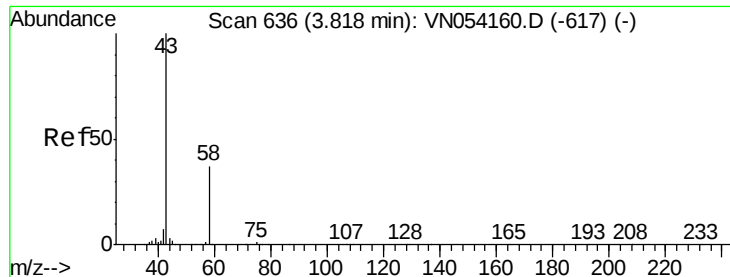
Tgt Ion: 56 Resp: 1584

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#





#16

Acetone

Concen: 38.145 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

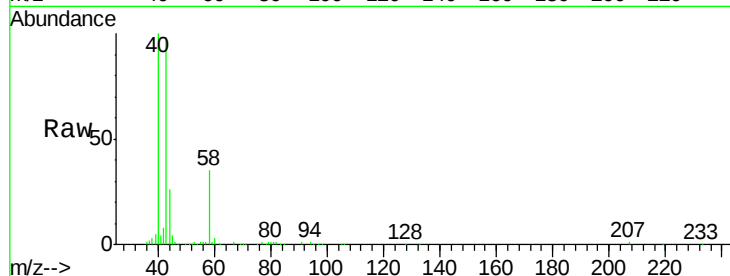
30307-08-09-10-11

Tot Ion: 43 Resp: 152475

Ion Ratio Lower Upper

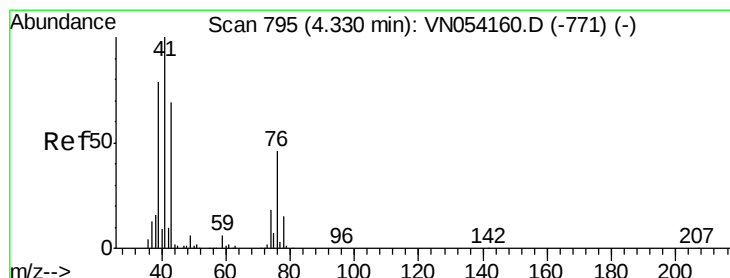
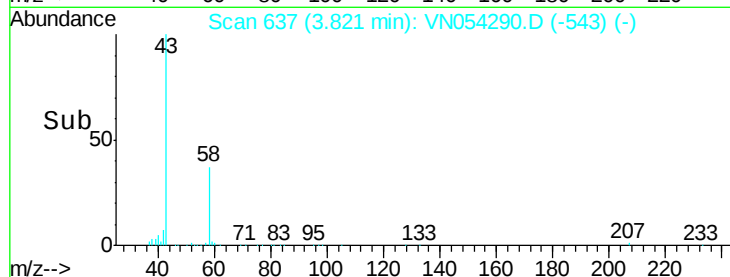
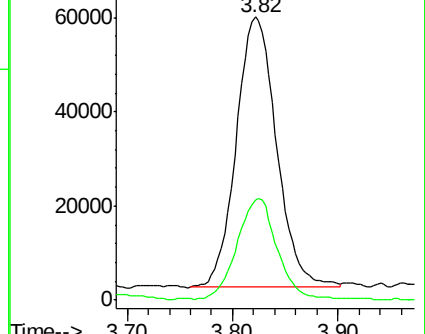
43 100

58 36.5 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: 0.588 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN054290.D

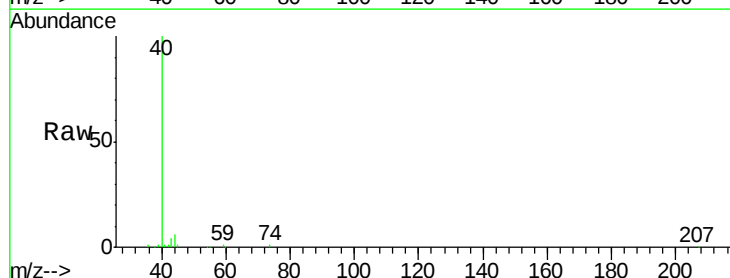
Acq: 15 Mar 2019 5:01

Tgt Ion: 43 Resp: 4752

Ion Ratio Lower Upper

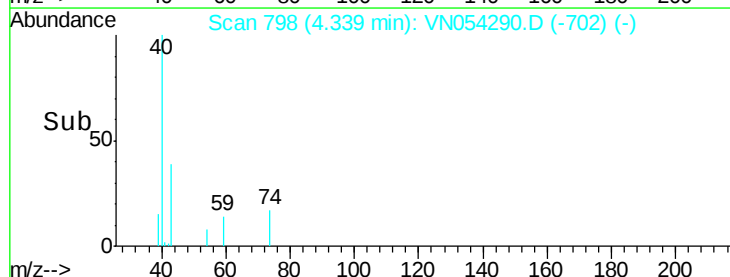
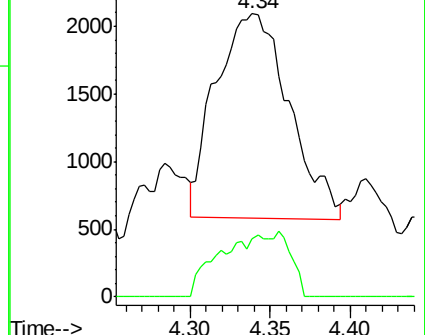
43 100

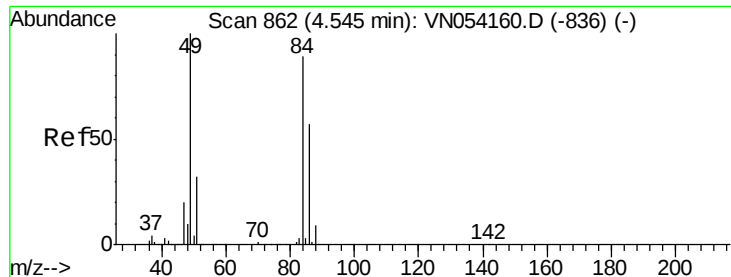
74 19.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

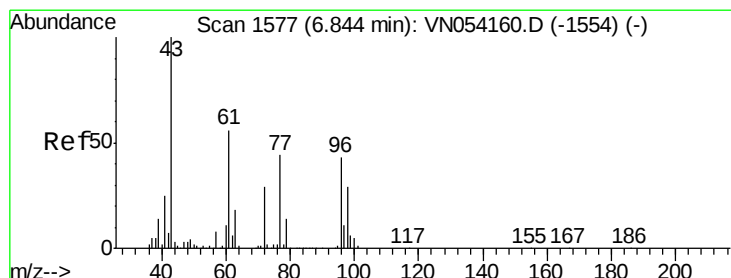
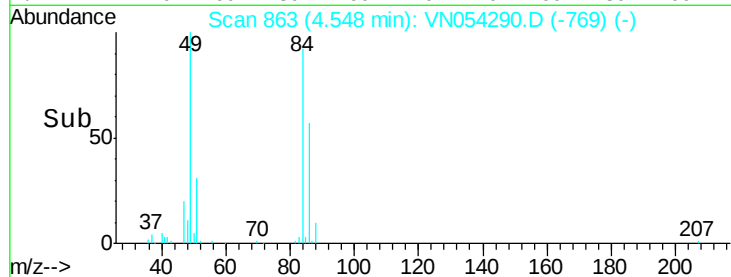
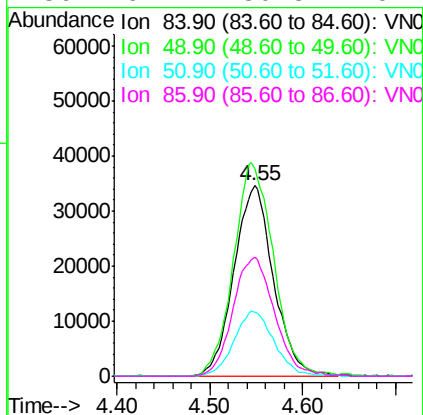
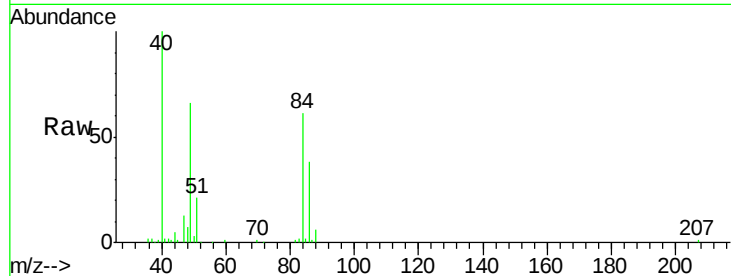




#20
Methvlene Chloride
Concen: 7.806 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

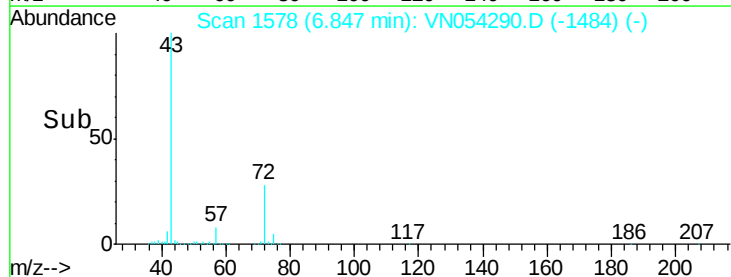
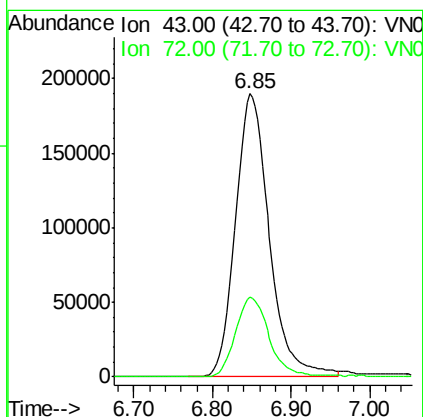
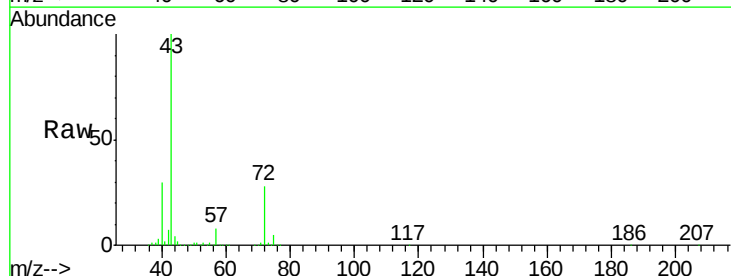
Instrument :
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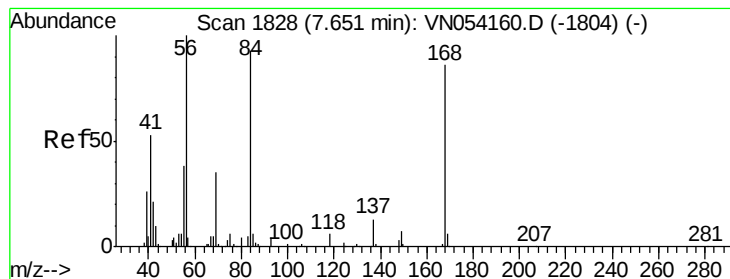
Tot Ion: 84 Resp: 102452
Ion Ratio Lower Upper
84 100
49 108.7 89.7 134.5
51 33.9 28.2 42.4
86 62.4 50.8 76.2



#25
2-Butanone
Concen: 121.348 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion: 43 Resp: 569304
Ion Ratio Lower Upper
43 100
72 28.3 23.0 34.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

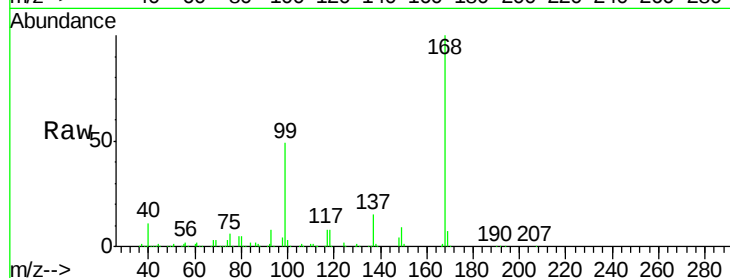
Tot Ion: 56 Resp: 21304

Ion Ratio Lower Upper

56 100

69 177.8 27.8 41.6#

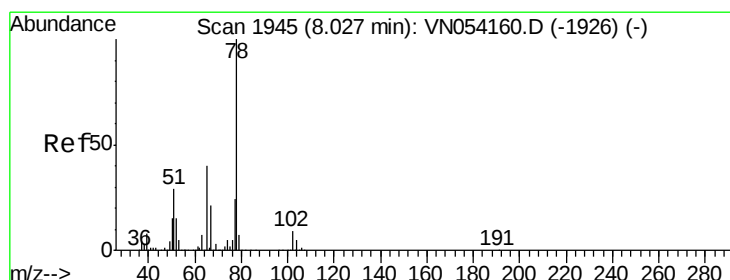
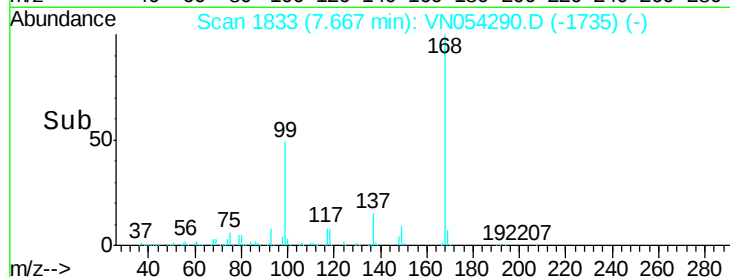
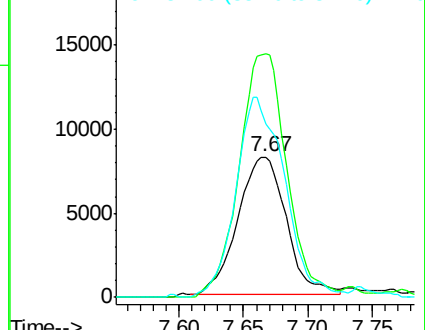
84 126.7 74.6 111.8#



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: 50.778 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054290.D

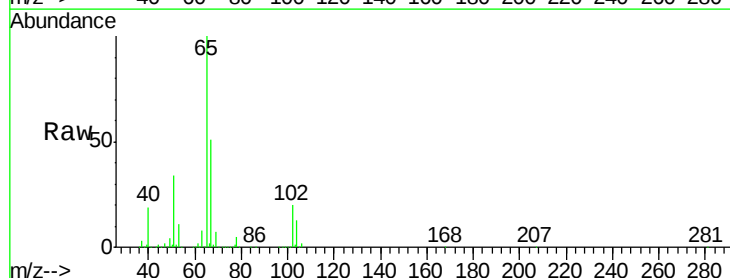
Acq: 15 Mar 2019 5:01

Tgt Ion: 65 Resp: 708884

Ion Ratio Lower Upper

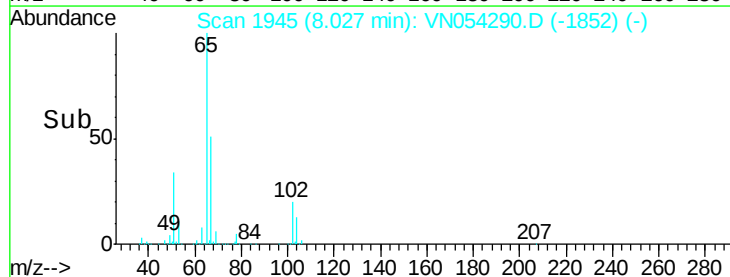
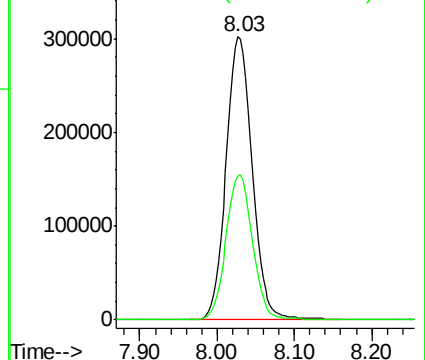
65 100

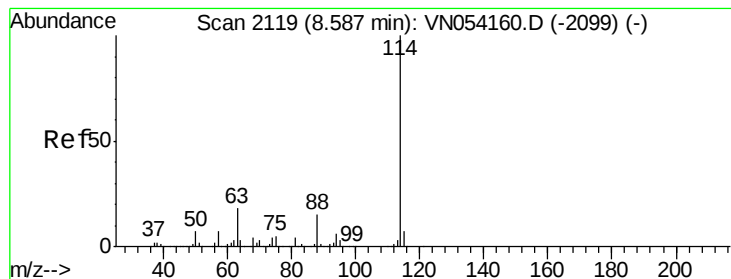
67 52.0 0.0 104.6



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: VN054290.D

Acq: 15 Mar 2019 5:01

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30307-08-09-10-11

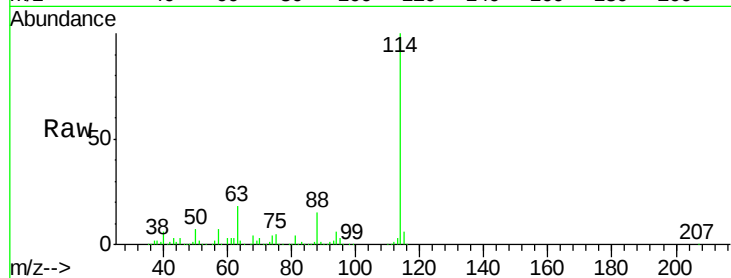
Tot Ion:114 Resp: 2168564

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

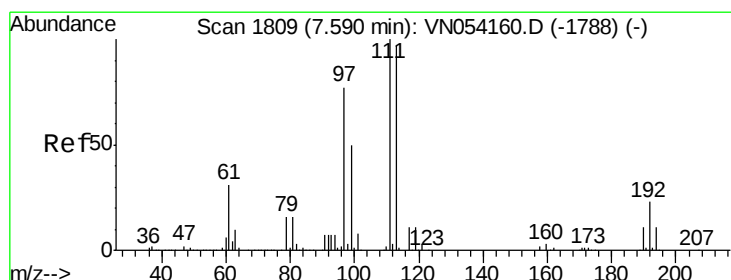
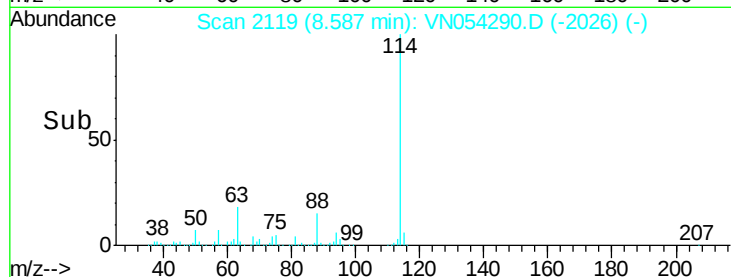
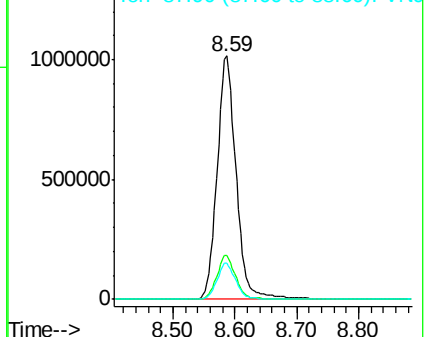
88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.422 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

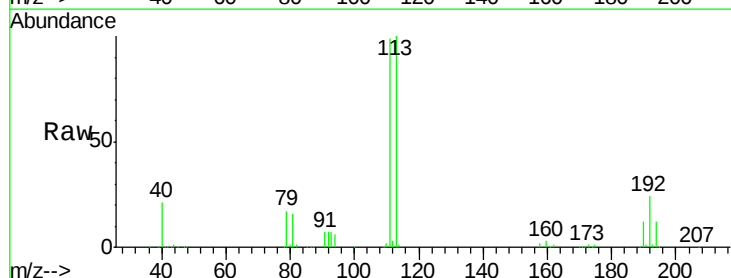
Tgt Ion:113 Resp: 677244

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

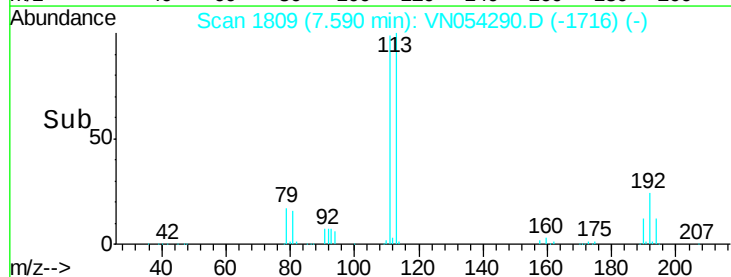
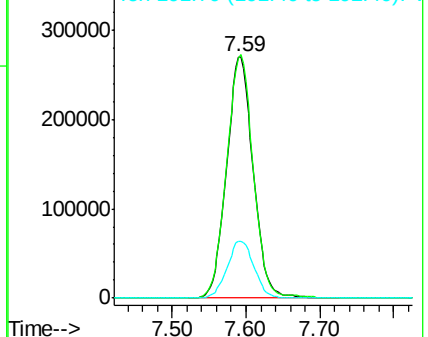
192 23.9 19.2 28.8

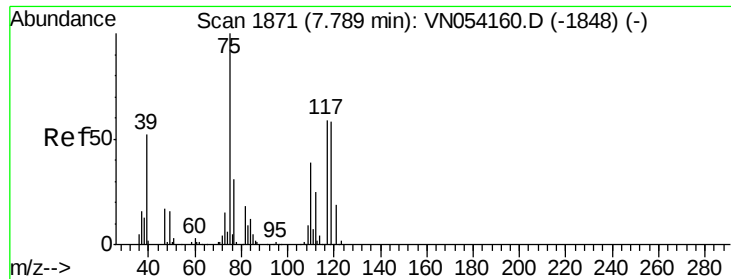


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

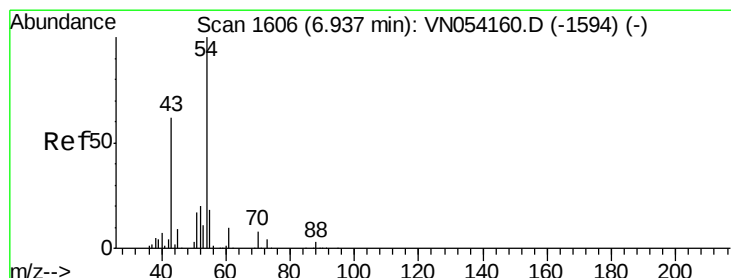
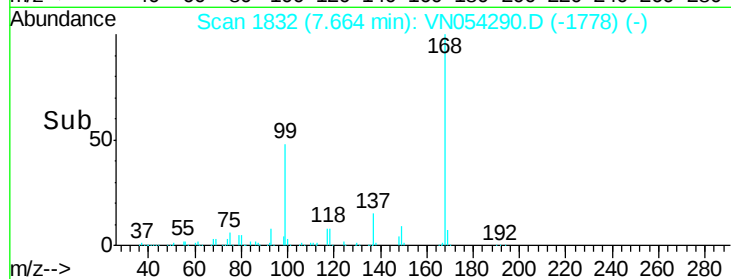
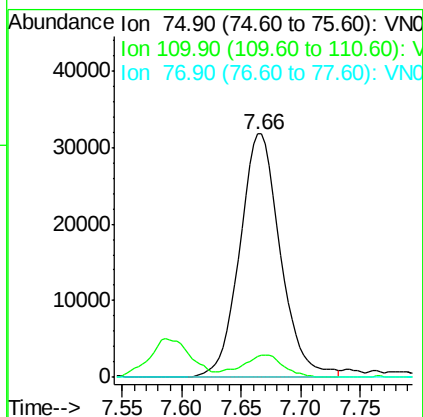
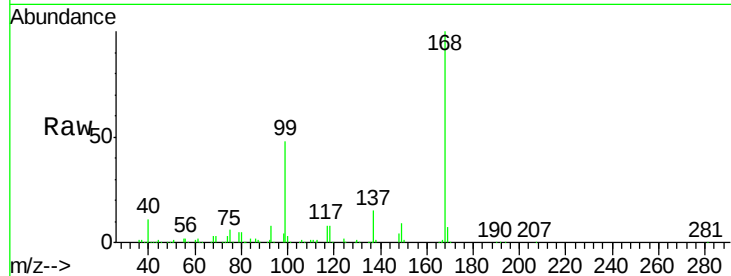




#36
 1,1-Dichloropropene
 Concen: 3.773 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054290.D
 Acq: 15 Mar 2019 5:01

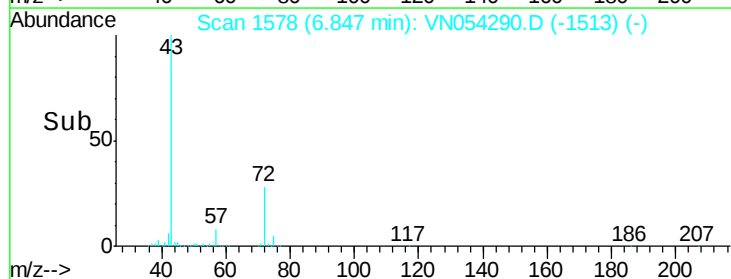
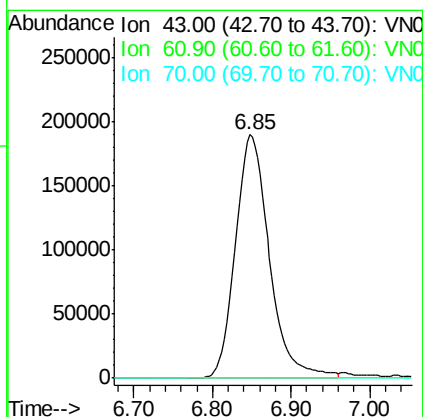
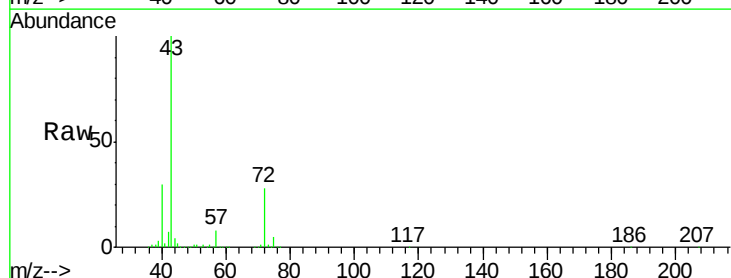
Instrument :
 MSVOA_N
 ClientSampleId :
 30307-08-09-10-11

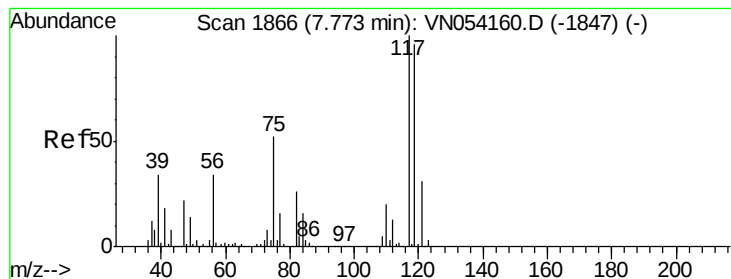
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 49.613 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.09 min
 Lab File: VN054290.D
 Acq: 15 Mar 2019 5:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.1	11.8	17.6#
70	0.1	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 5.072 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

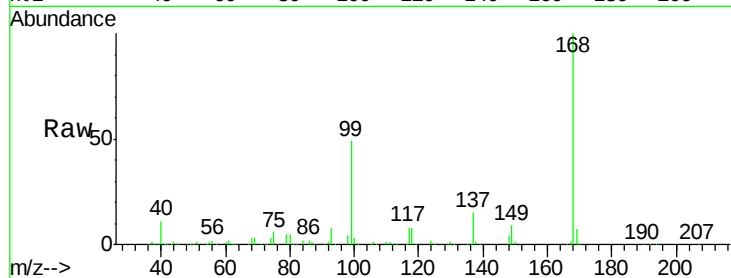
Tot Ion:117 Resp: 106213

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

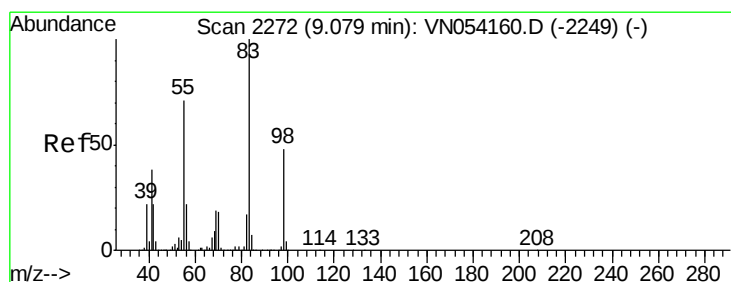
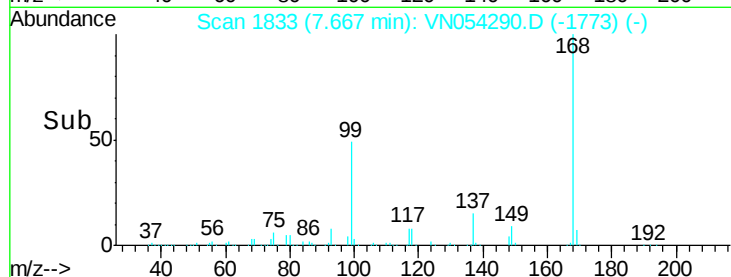
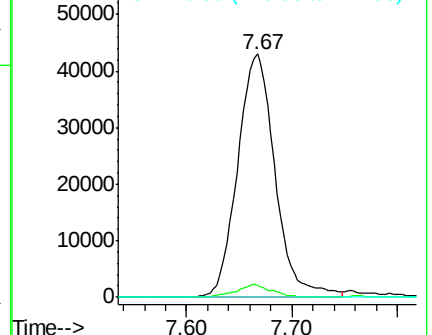
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 0.264 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

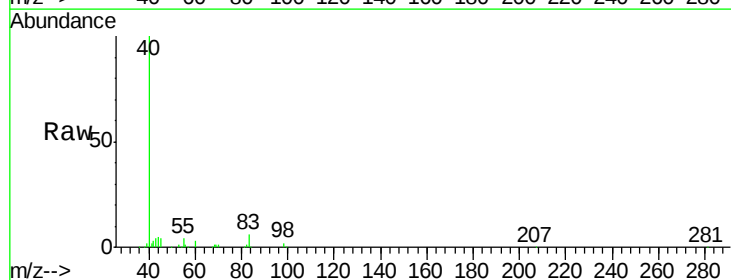
Tgt Ion: 83 Resp: 6479

Ion Ratio Lower Upper

83 100

55 57.5 56.6 84.8

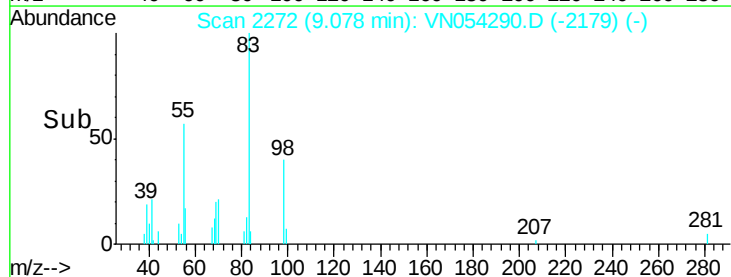
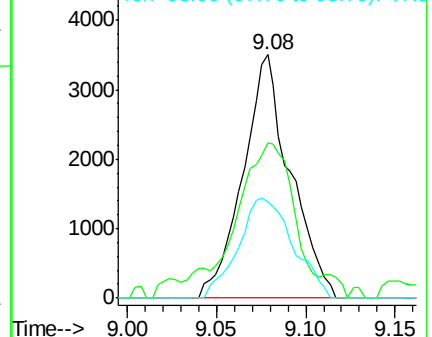
98 39.6 38.4 57.6

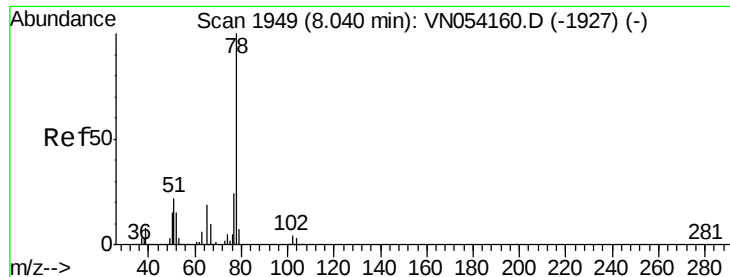


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 1.035 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

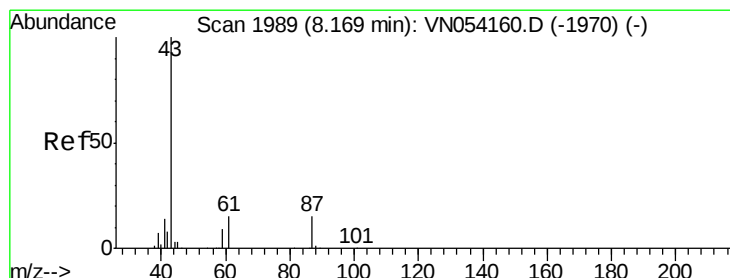
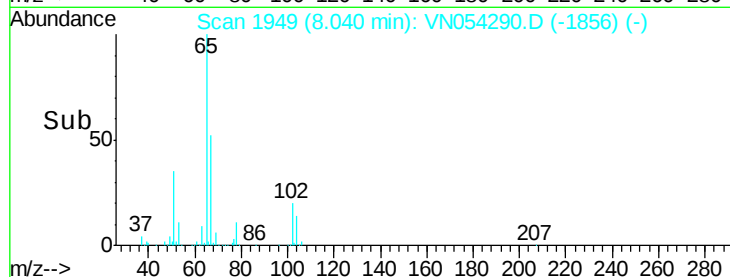
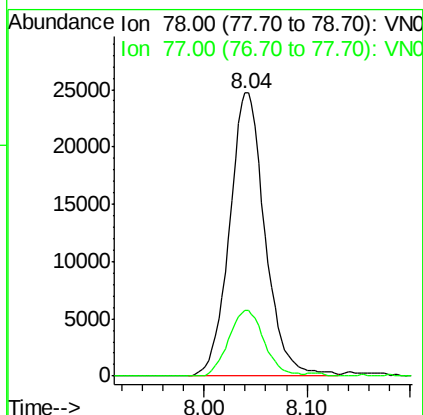
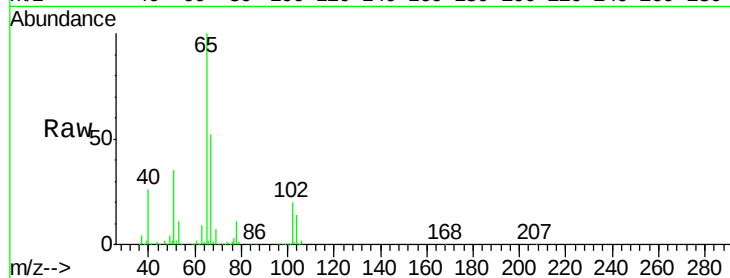
30307-08-09-10-11

Tot Ion: 78 Resp: 59122

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7



#43

Isopropyl Acetate

Concen: 0.802 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

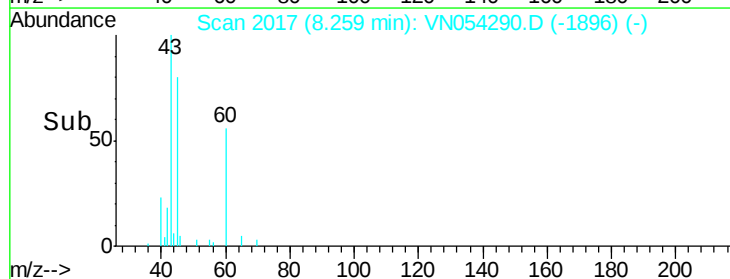
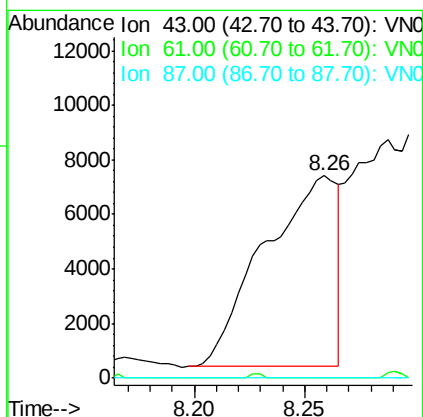
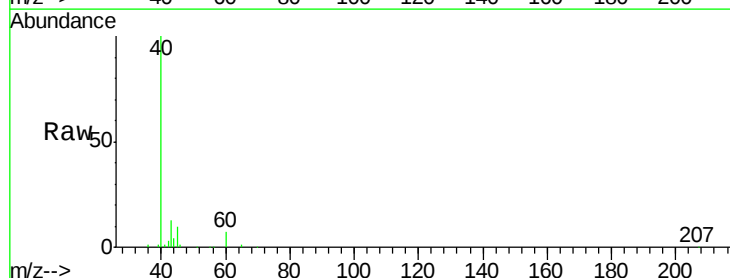
Tgt Ion: 43 Resp: 16152

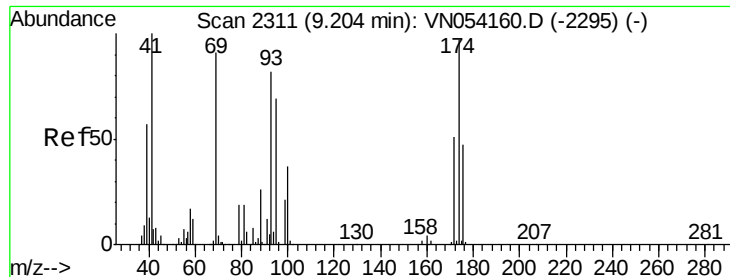
Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#





#49

1,4-Dioxane

Concen: 0.491 ug/l

RT: 9.09 min Scan# 2275

Delta R.T. -0.12 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

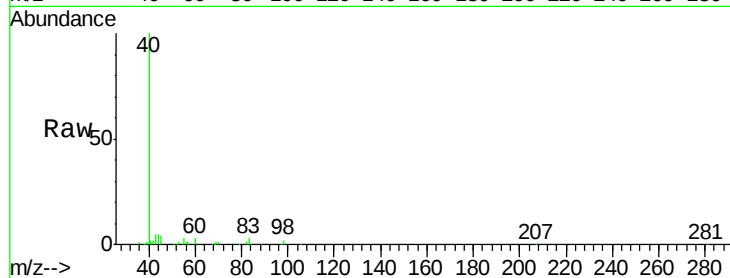
Tot Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 821.1 24.1 36.1#

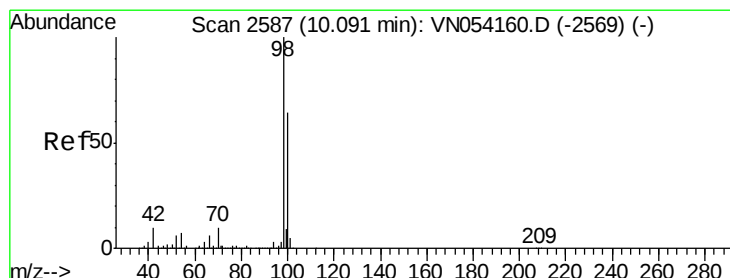
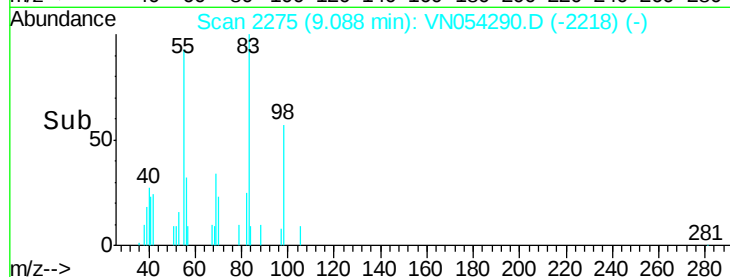
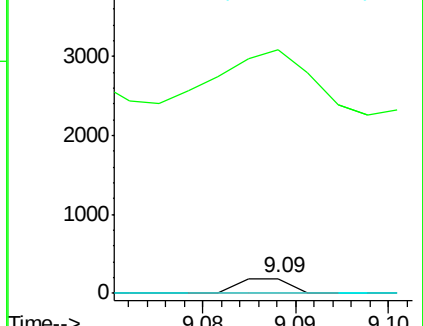
58 0.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.715 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054290.D

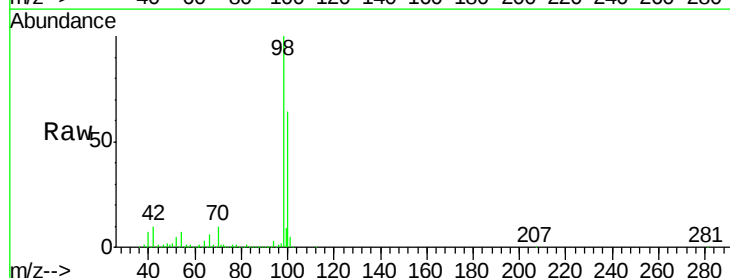
Acq: 15 Mar 2019 5:01

Tgt Ion: 98 Resp: 2722919

Ion Ratio Lower Upper

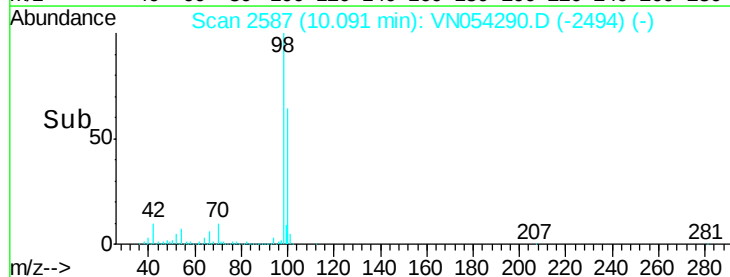
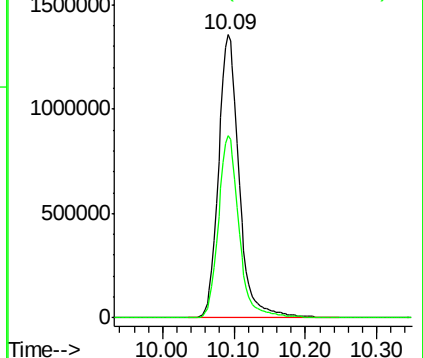
98 100

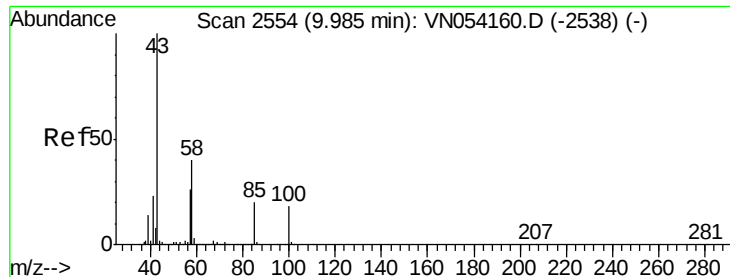
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.846 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

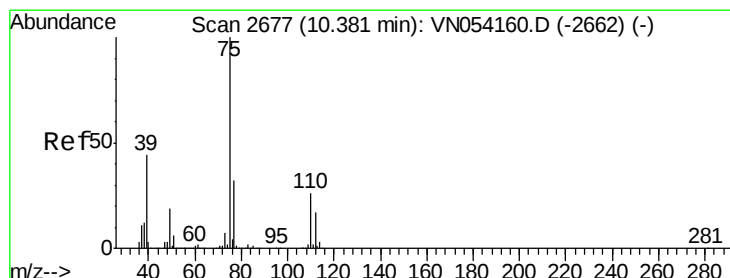
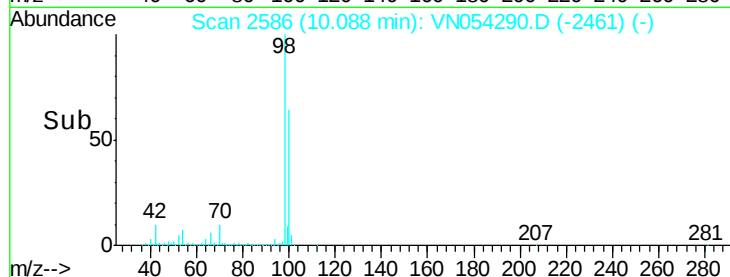
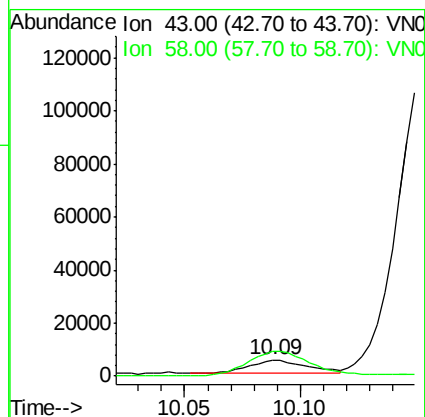
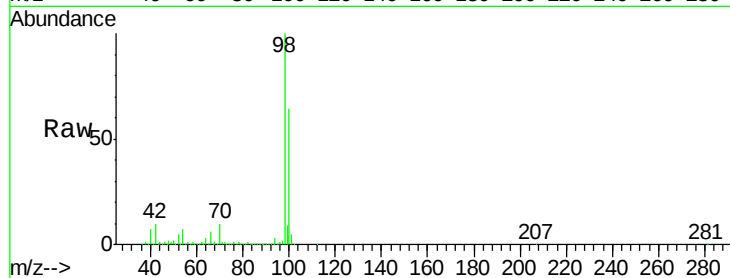
30307-08-09-10-11

Tot Ion: 43 Resp: 9022

Ion Ratio Lower Upper

43 100

58 204.8 31.8 47.6#



#53

t-1,3-Dichloropropene

Concen: 13.681 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN054290.D

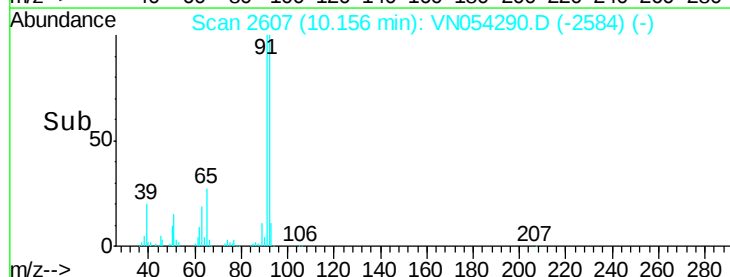
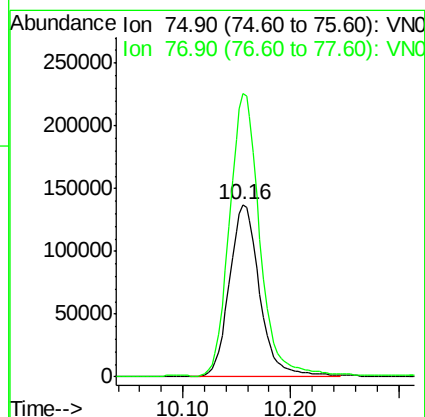
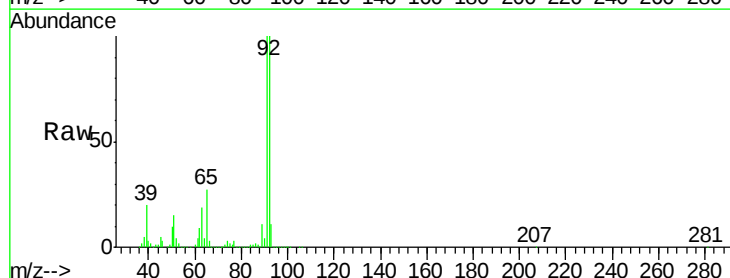
Acq: 15 Mar 2019 5:01

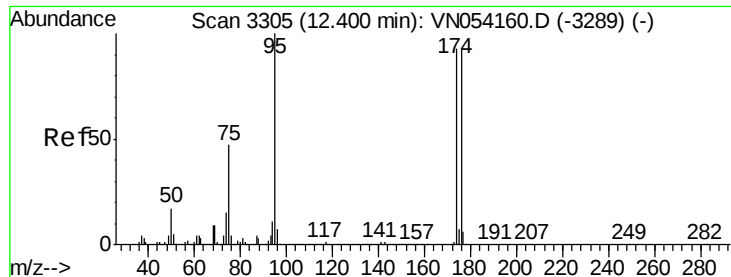
Tgt Ion: 75 Resp: 267742

Ion Ratio Lower Upper

75 100

77 163.7 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 58.236 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

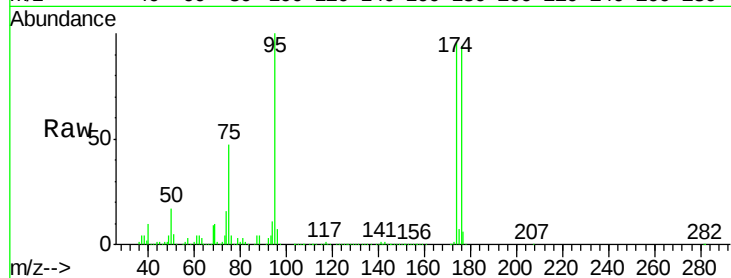
Tot Ion: 95 Resp: 1052544

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.0

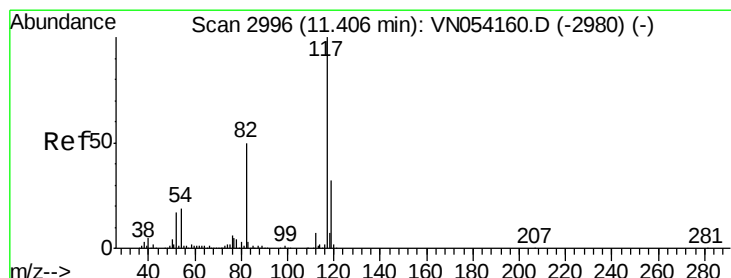
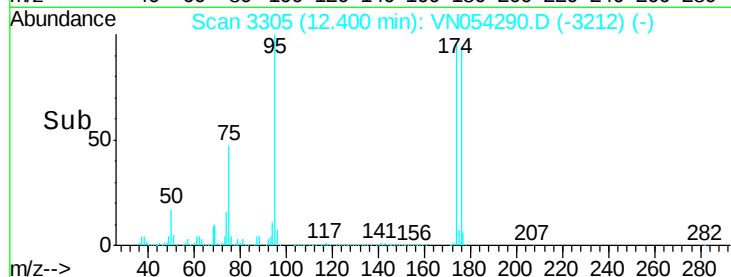
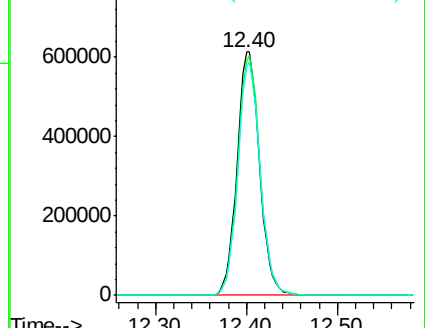
176 94.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054290.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054290.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054290.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

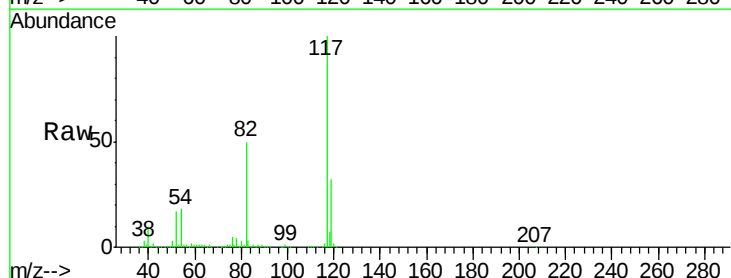
Tgt Ion: 117 Resp: 2324483

Ion Ratio Lower Upper

117 100

82 50.0 40.0 60.0

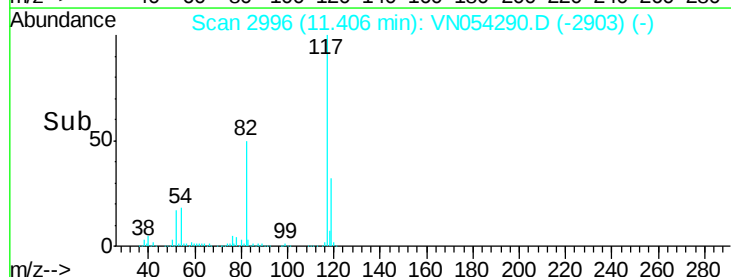
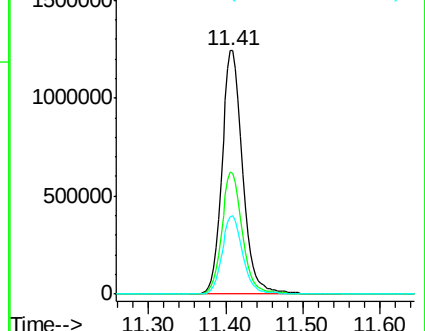
119 32.0 25.8 38.6

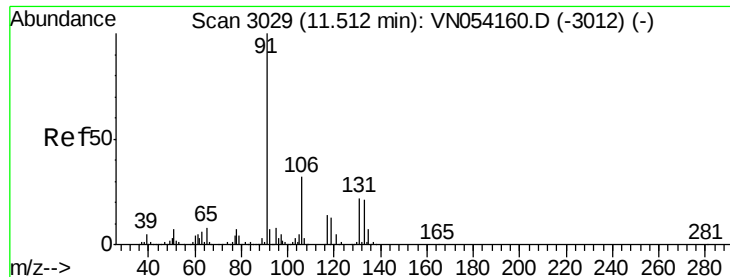


Abundance Ion 116.90 (116.60 to 117.60): VN054290.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054290.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054290.D (-2903) (-)





#67

Ethyl Benzene

Concen: 1.423 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

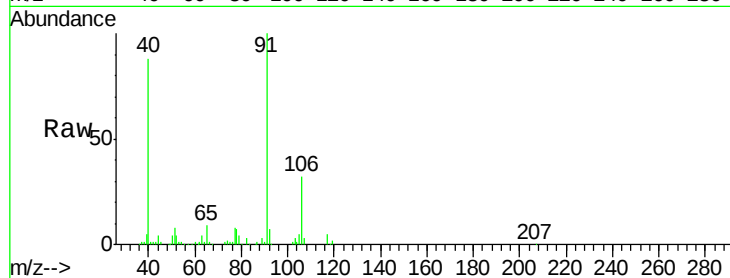
30307-08-09-10-11

Tot Ion: 91 Resp: 120430

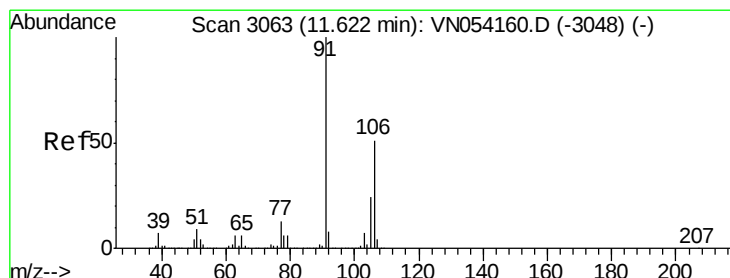
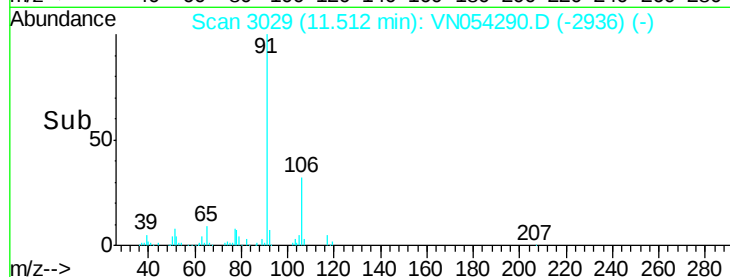
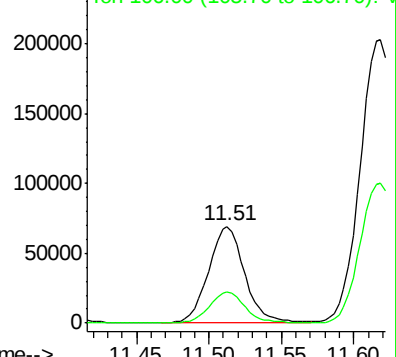
Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)



#68

m/p-Xylenes

Concen: 6.064 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054290.D

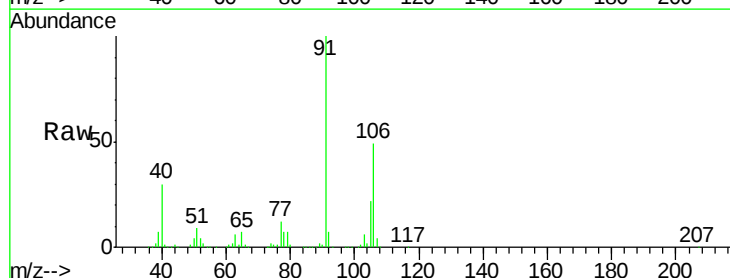
Acq: 15 Mar 2019 5:01

Tgt Ion: 106 Resp: 200529

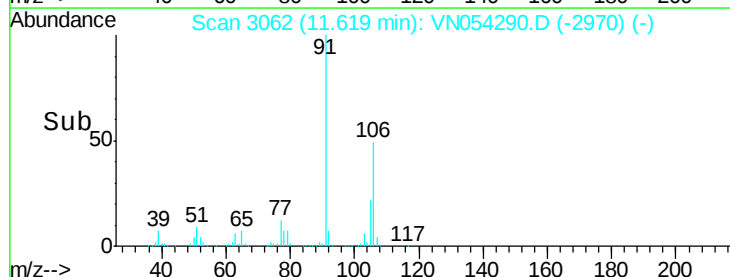
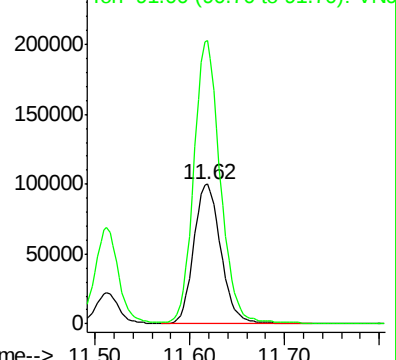
Ion Ratio Lower Upper

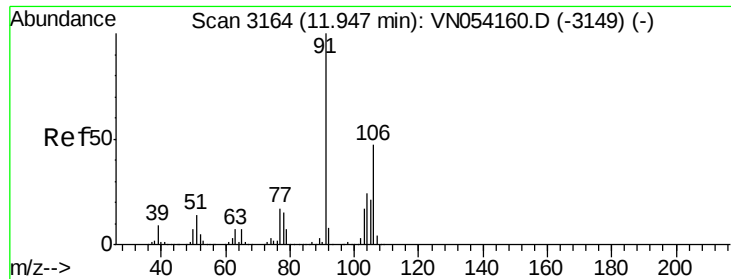
106 100

91 197.1 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

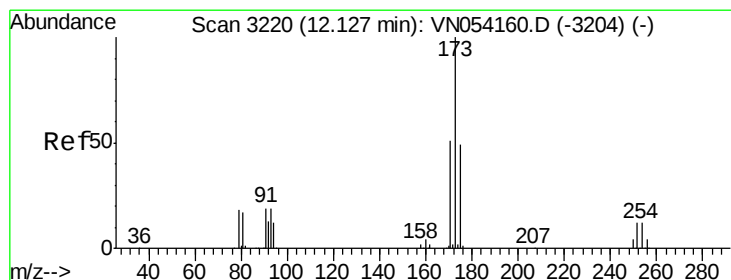
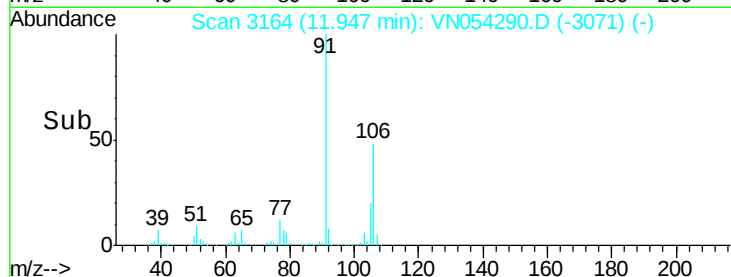
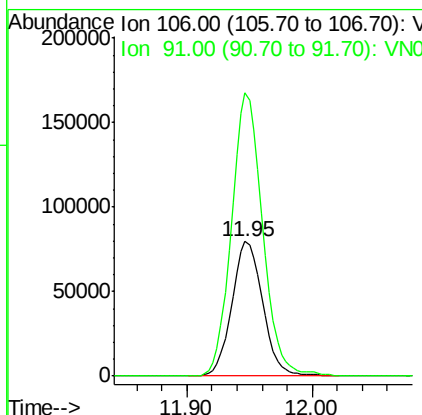
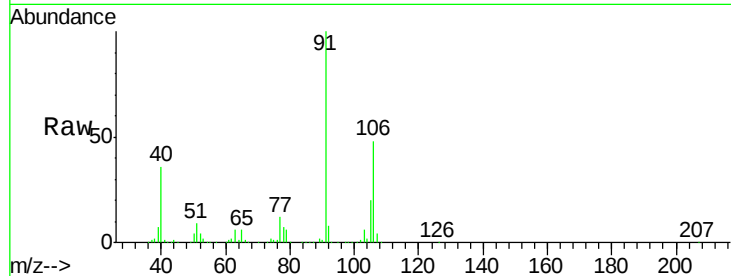




#69
o-Xylene
Concen: 4.239 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

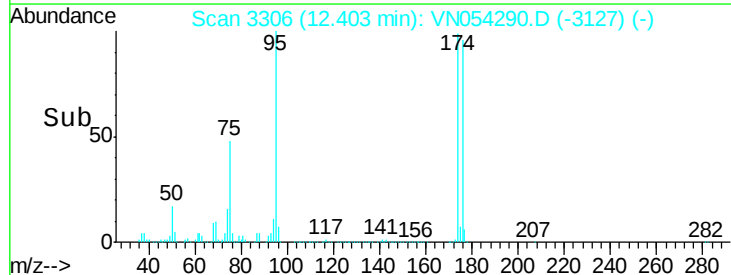
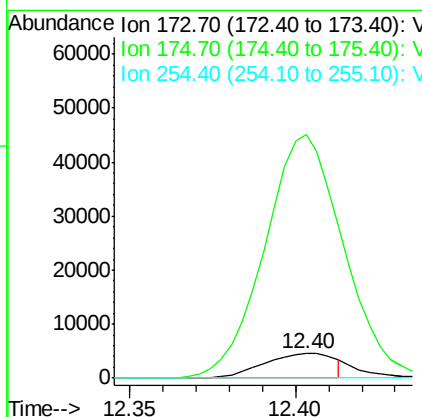
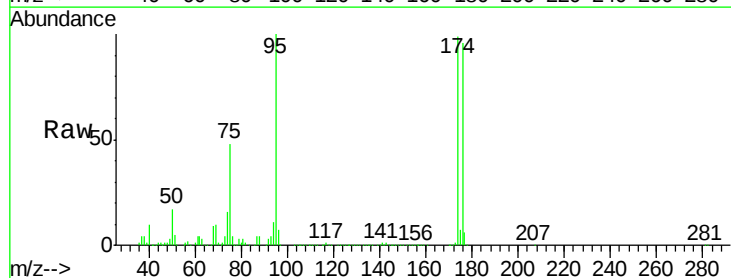
Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

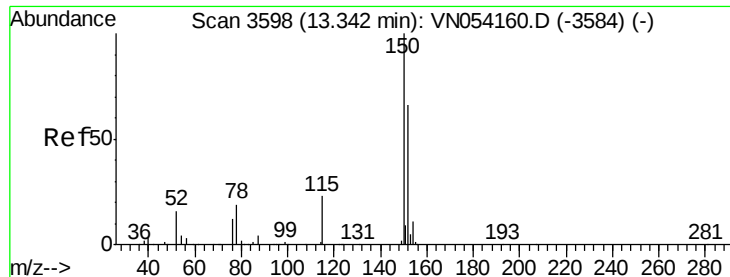
Tot Ion:106 Resp: 136644
Ion Ratio Lower Upper
106 100
91 211.7 105.7 317.1



#71
Bromoform
Concen: 2.804 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion:173 Resp: 6728
Ion Ratio Lower Upper
173 100
175 942.9 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

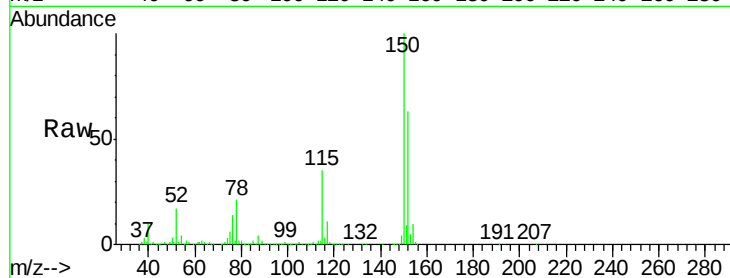
Tot Ion:152 Resp: 1028845

Ion Ratio Lower Upper

152 100

115 56.9 27.2 81.6

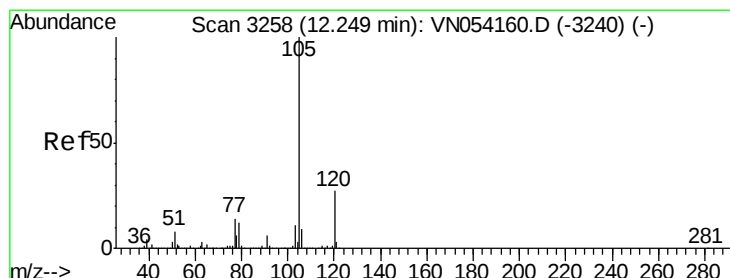
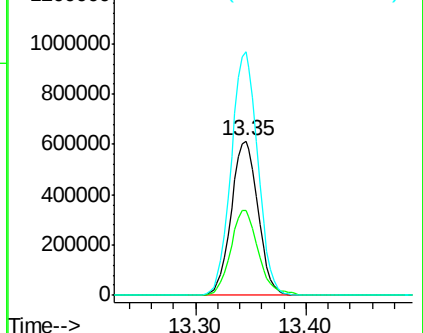
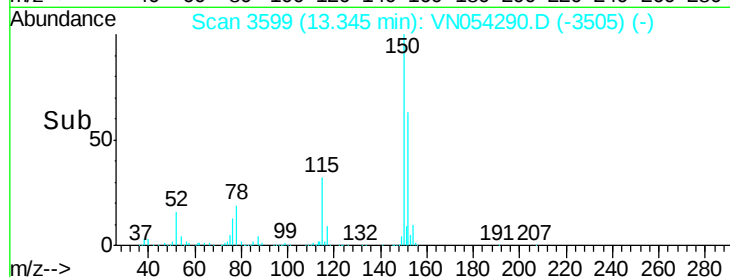
150 157.4 0.0 349.2



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: 0.663 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054290.D

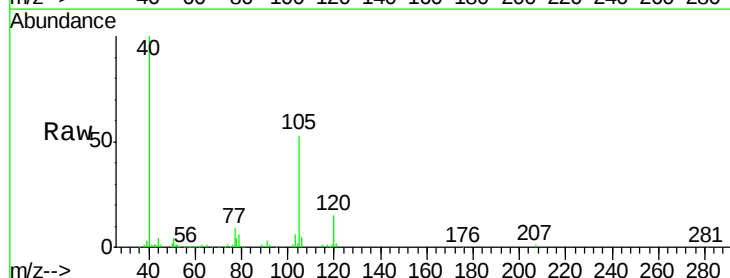
Acq: 15 Mar 2019 5:01

Tgt Ion:105 Resp: 54534

Ion Ratio Lower Upper

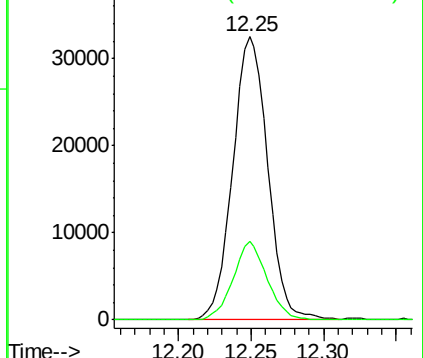
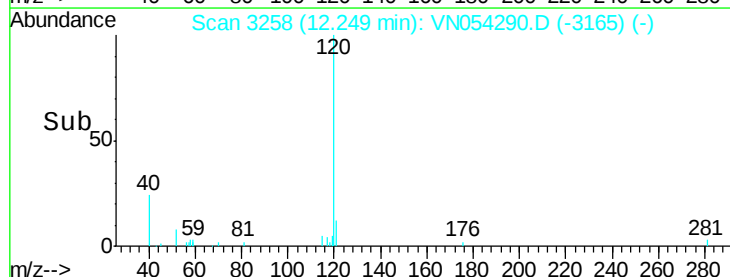
105 100

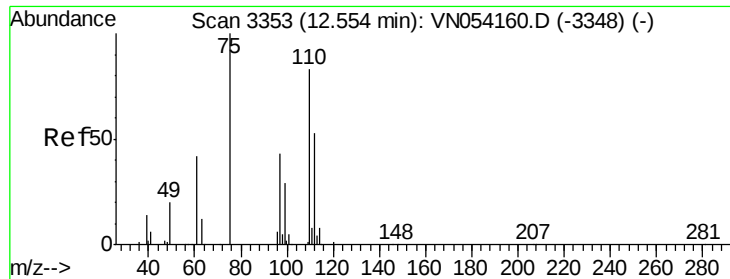
120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

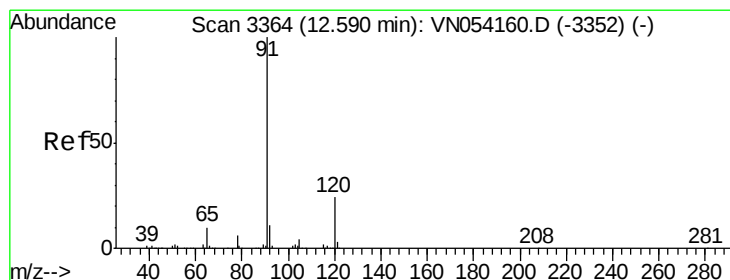
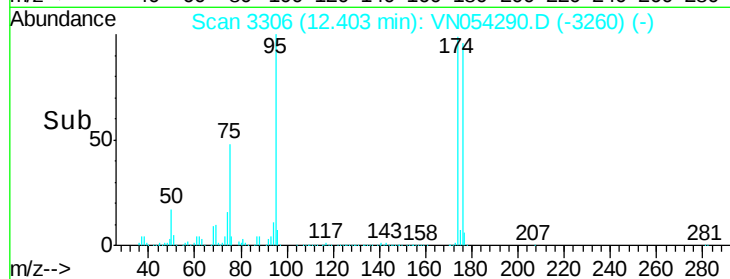
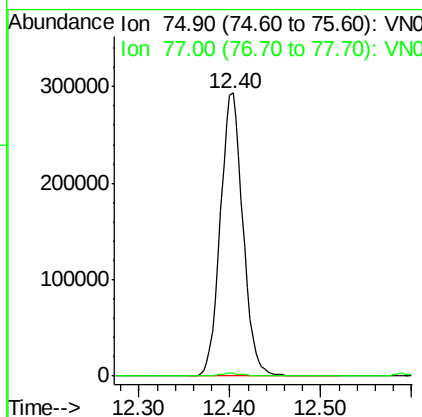
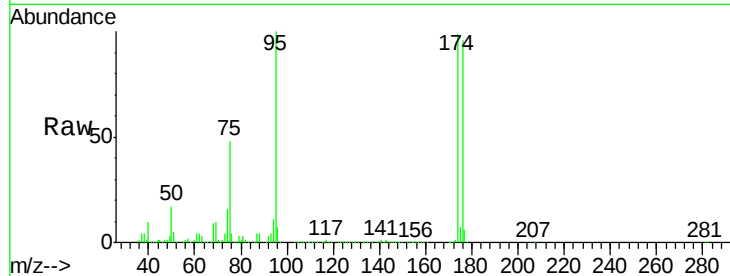




#76
 1,2,3-Trichloropropane
 Concen: 33.378 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN054290.D
 Acq: 15 Mar 2019 5:01

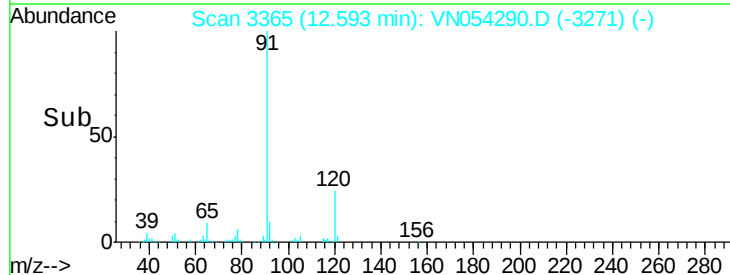
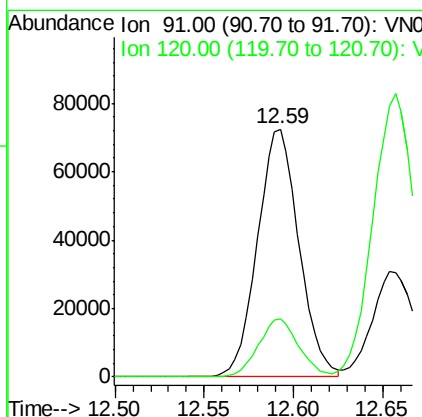
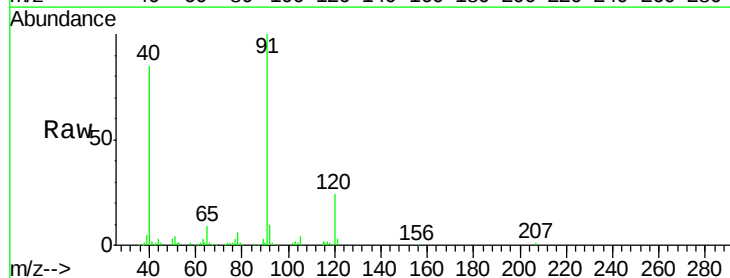
Instrument :
 MSVOA_N
 ClientSampleId :
 30307-08-09-10-11

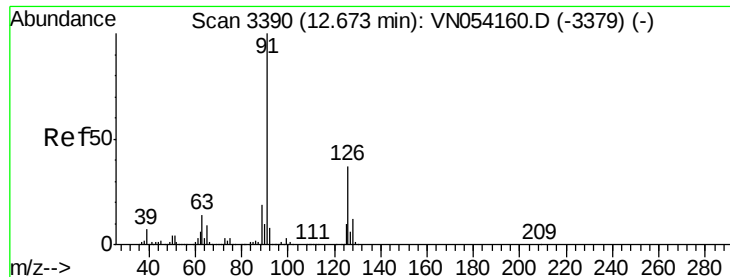
Tot Ion: 75 Resp: 504996
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#78
 n-propylbenzene
 Concen: 1.318 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN054290.D
 Acq: 15 Mar 2019 5:01

Tgt Ion: 91 Resp: 117704
 Ion Ratio Lower Upper
 91 100
 120 23.0 12.3 36.9





#79

2-Chlorotoluene

Concen: 0.850 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

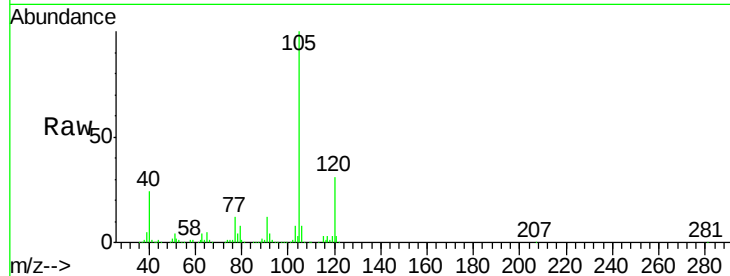
30307-08-09-10-11

Tot Ion: 91 Resp: 45639

Ion Ratio Lower Upper

91 100

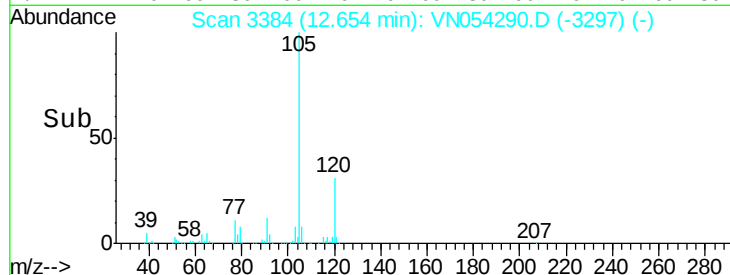
126 0.3 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

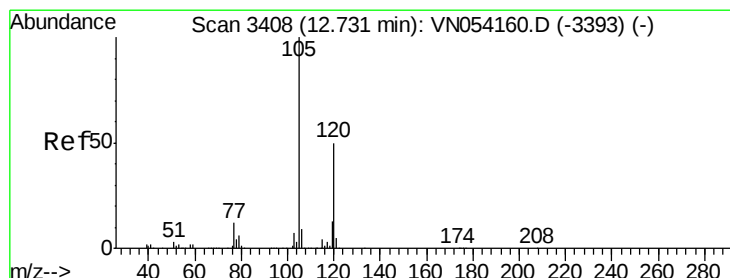
Time--> 12.60 12.65



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

Time--> 12.60 12.65



#80

1,3,5-Trimethylbenzene

Concen: 3.729 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054290.D

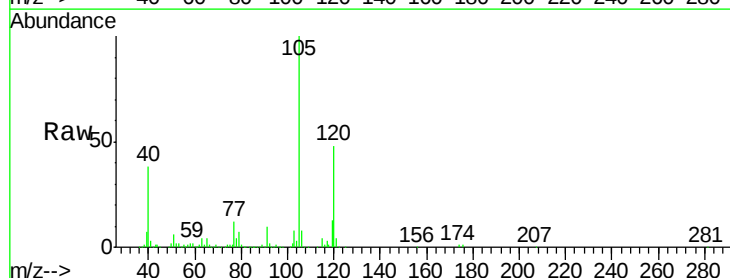
Acq: 15 Mar 2019 5:01

Tgt Ion: 105 Resp: 255331

Ion Ratio Lower Upper

105 100

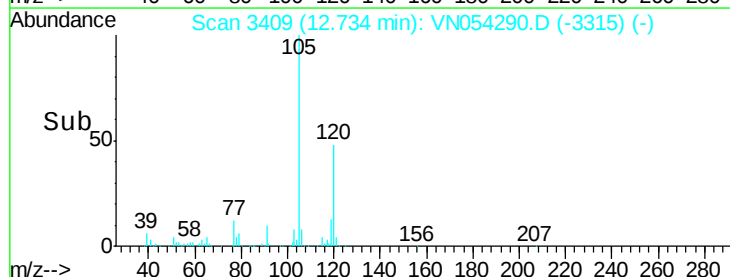
120 49.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

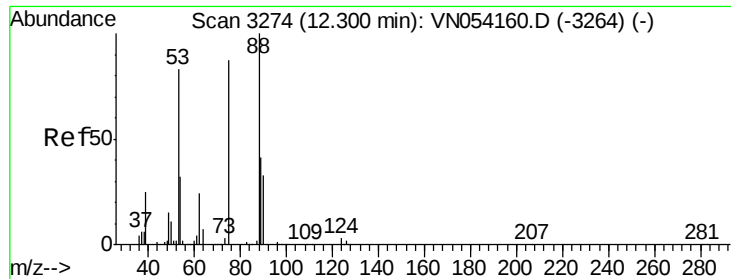
Time--> 12.70 12.75 12.80



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

Time--> 12.70 12.75 12.80



#81

trans-1,4-Dichloro-2-butene

Concen: 114.101 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

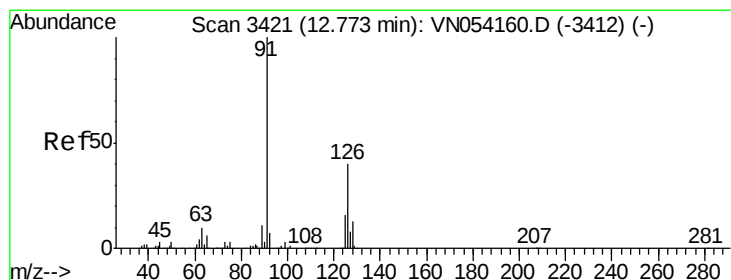
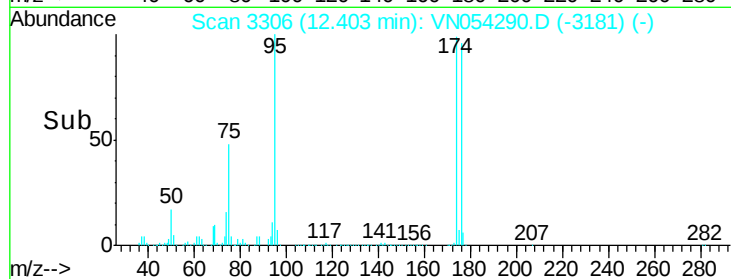
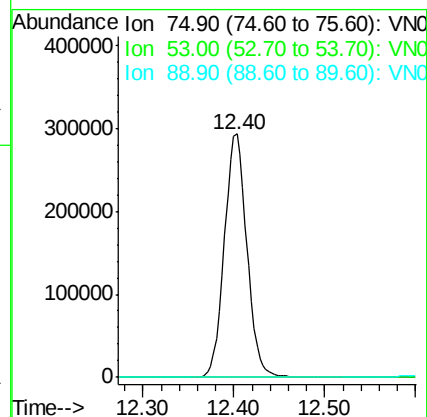
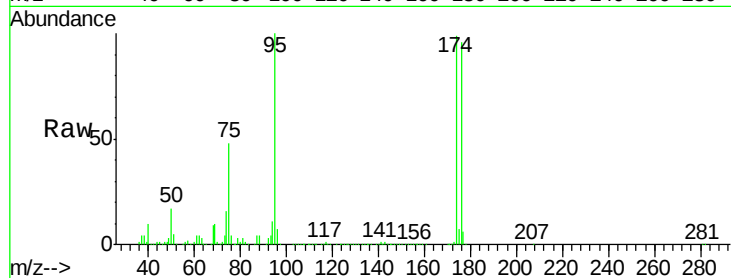
Tot Ion: 75 Resp: 504996

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#82

4-Chlorotoluene

Concen: 0.500 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054290.D

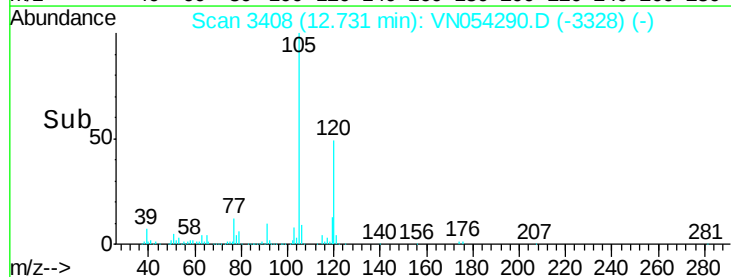
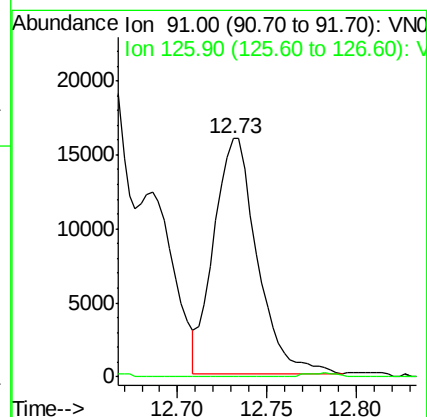
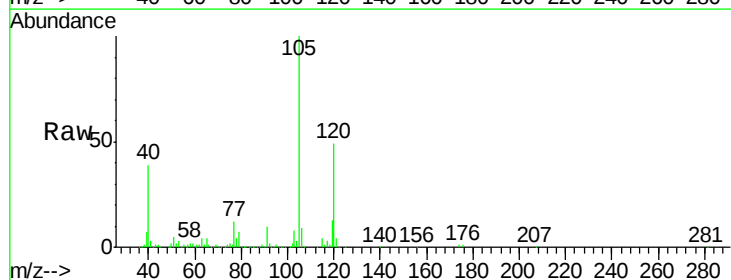
Acq: 15 Mar 2019 5:01

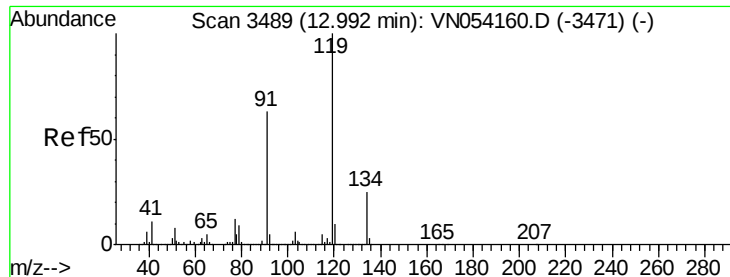
Tgt Ion: 91 Resp: 26816

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#





#83

tert-Butylbenzene

Concen: 1.990 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampled :

30307-08-09-10-11

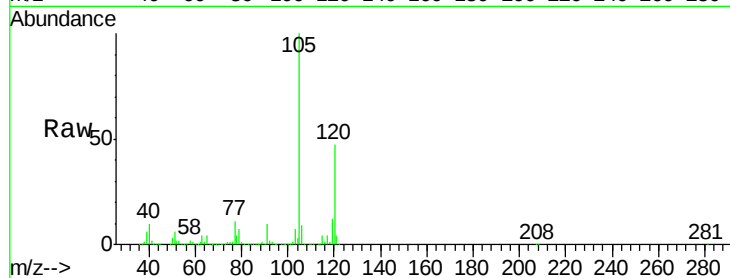
Tot Ion:119 Resp: 125383

Ion Ratio Lower Upper

119 100

91 78.7 30.9 92.8

134 0.0 13.2 39.6#

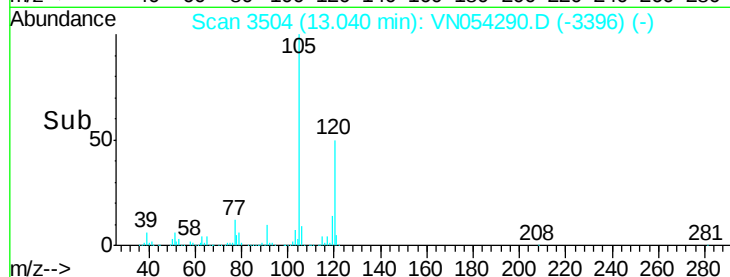


Abundance Ion 119.00 (118.70 to 119.70): V

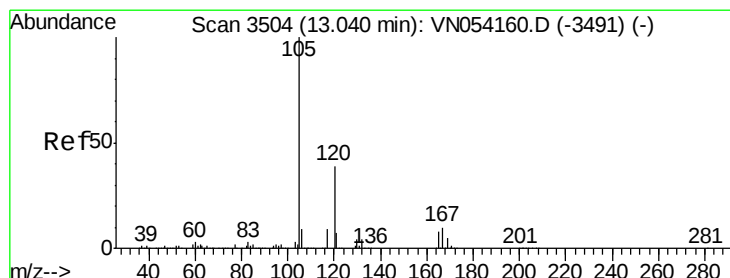
Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 14.960 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054290.D

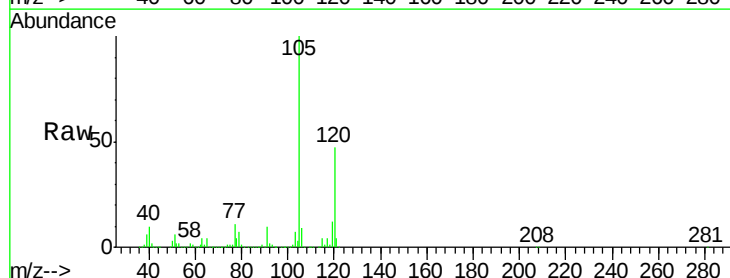
Acq: 15 Mar 2019 5:01

Tgt Ion:105 Resp: 1004847

Ion Ratio Lower Upper

105 100

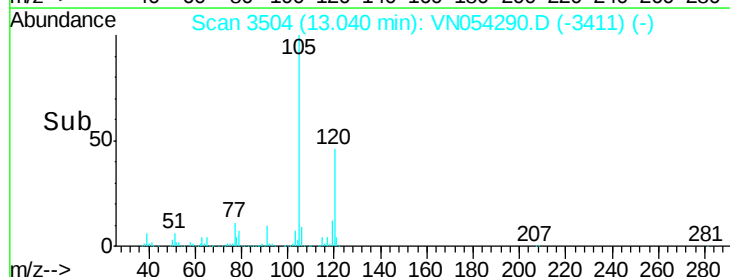
120 46.7 23.4 70.3



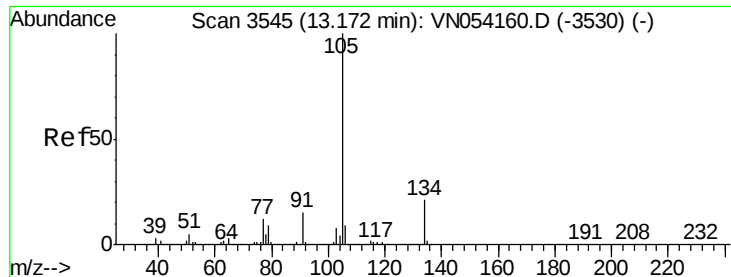
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 0.525 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

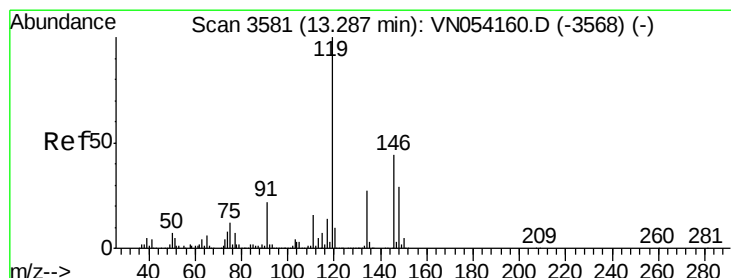
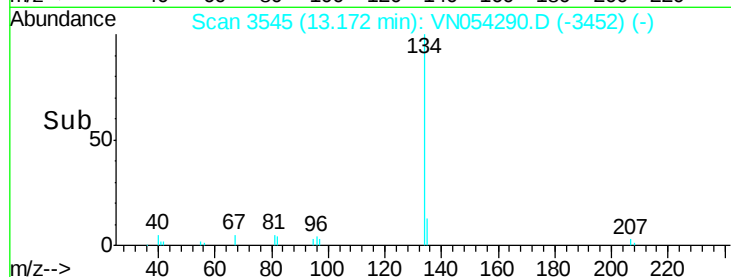
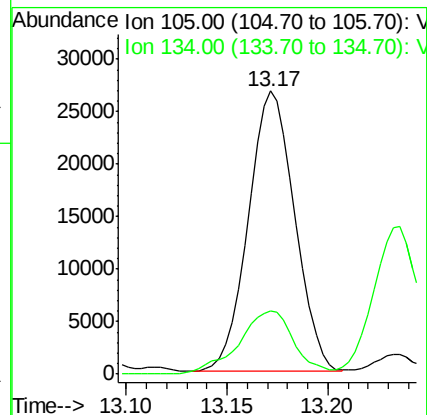
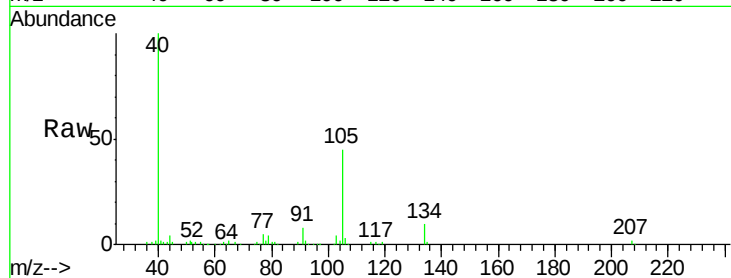
30307-08-09-10-11

Tot Ion:105 Resp: 42927

Ion Ratio Lower Upper

105 100

134 26.9 10.7 32.1



#86

p-Isopropyltoluene

Concen: 0.553 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

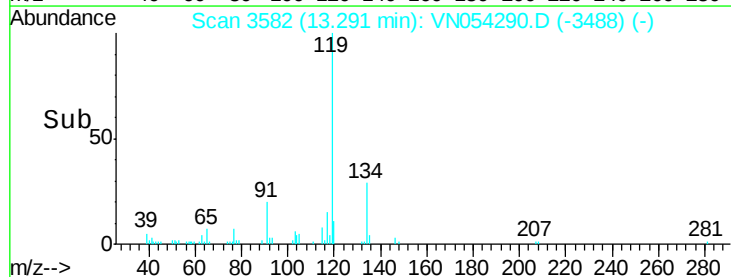
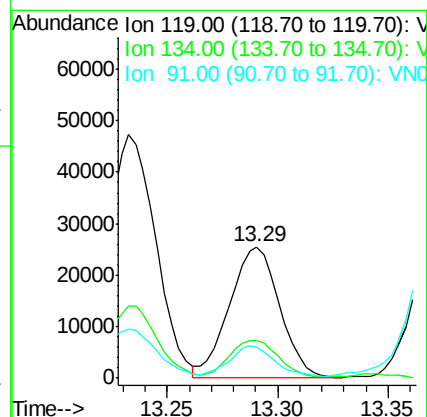
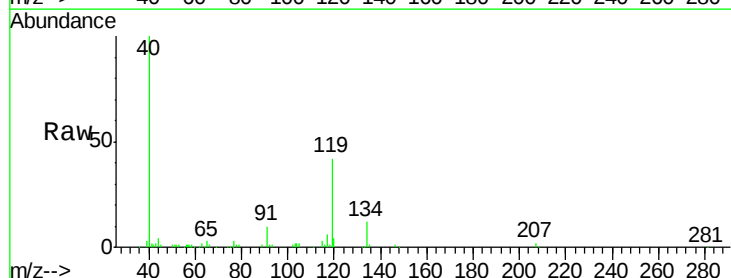
Tgt Ion:119 Resp: 39627

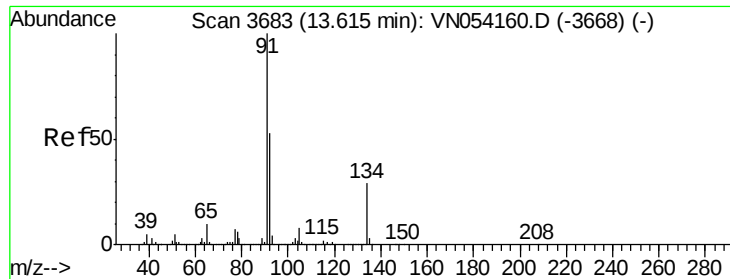
Ion Ratio Lower Upper

119 100

134 29.4 13.6 40.8

91 20.6 11.1 33.3

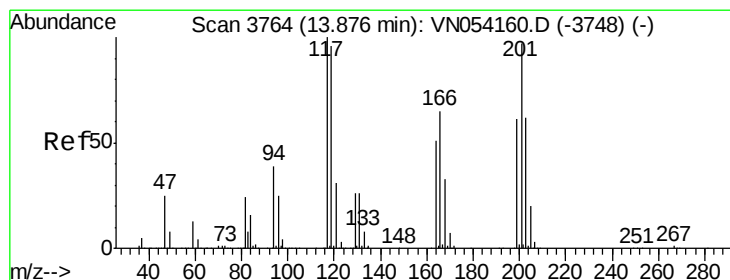
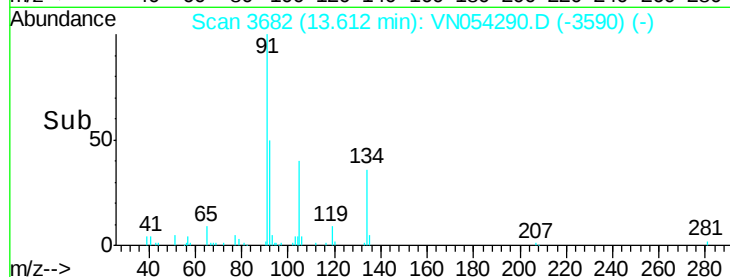
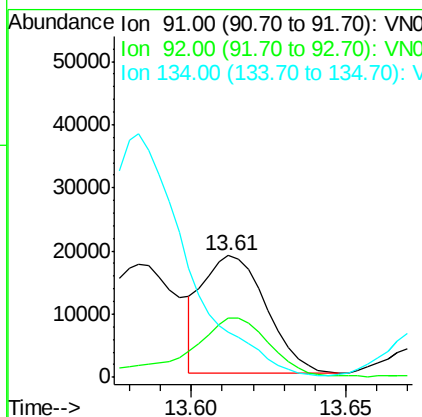
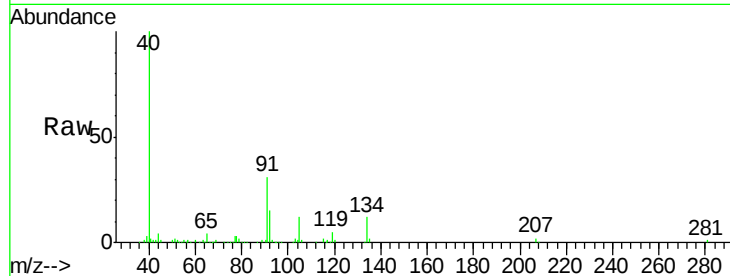




#89
n-Butylbenzene
Concen: 0.488 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

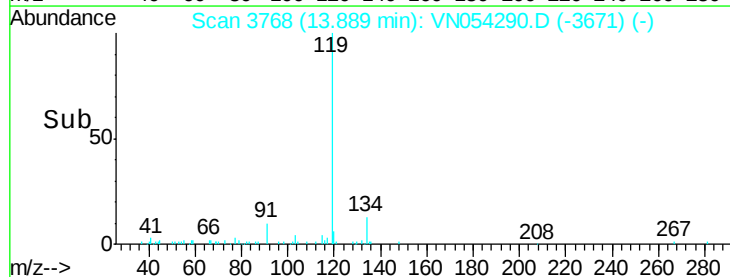
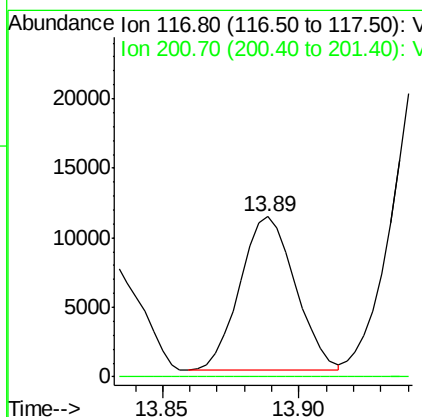
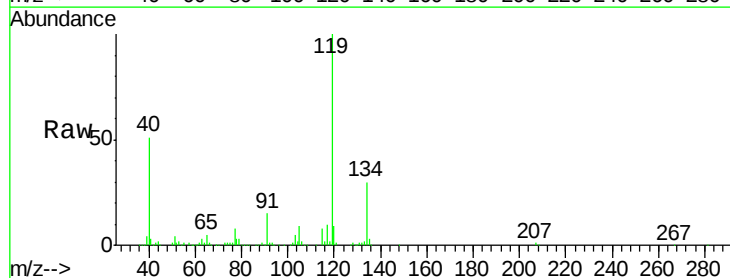
Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

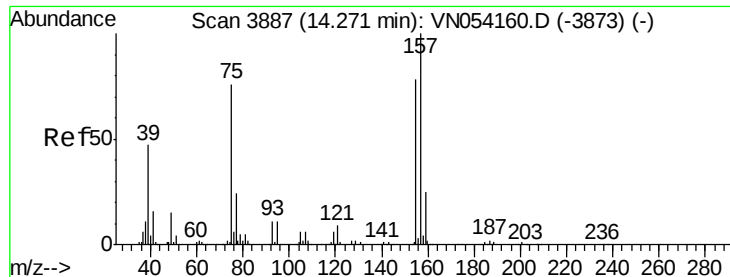
Tot Ion: 91 Resp: 26565
Ion Ratio Lower Upper
91 100
92 63.2 26.2 78.6
134 0.0 14.3 42.9#



#90
Hexachloroethane
Concen: 1.311 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion: 117 Resp: 15565
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.707 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

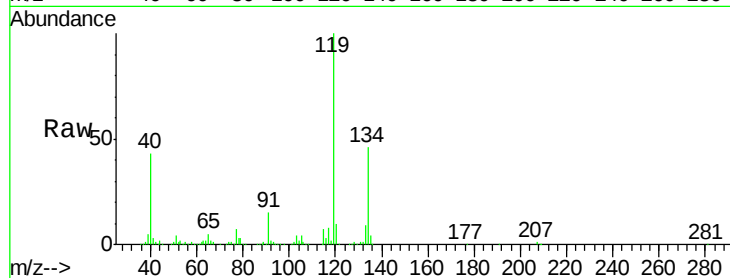
Tot Ion: 75 Resp: 1920

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

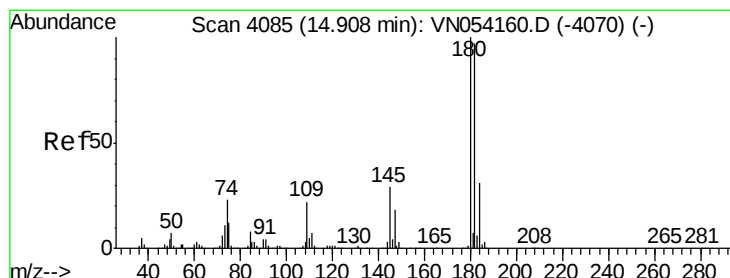
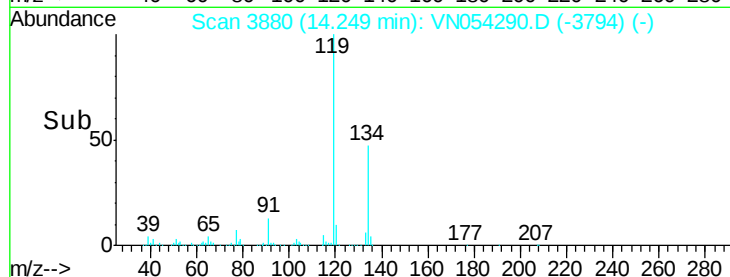
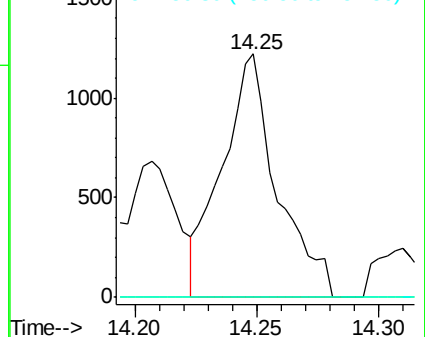
157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054160.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054160.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.537 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

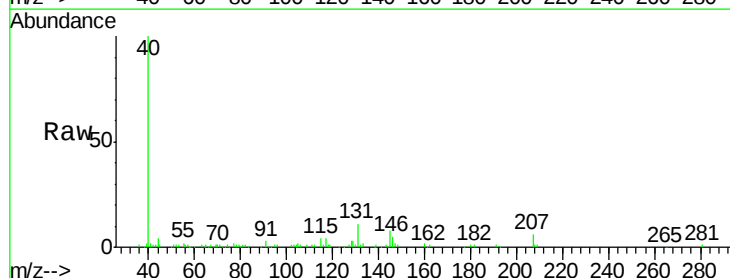
Tgt Ion: 180 Resp: 475

Ion Ratio Lower Upper

180 100

182 158.5 48.0 144.2#

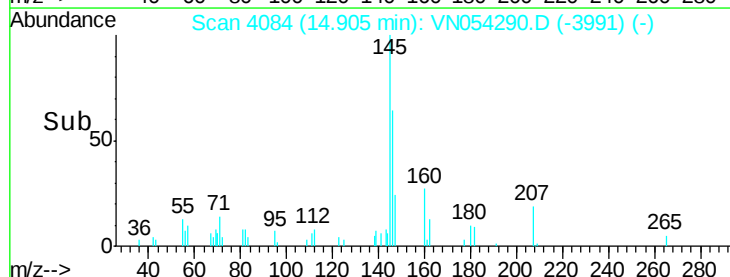
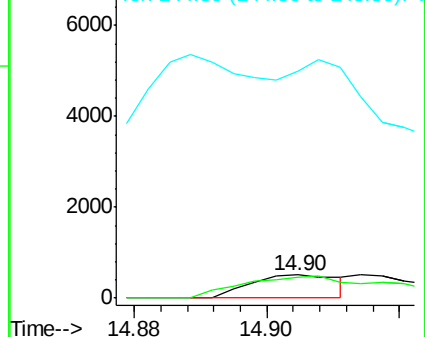
145 1241.9 14.2 42.8#

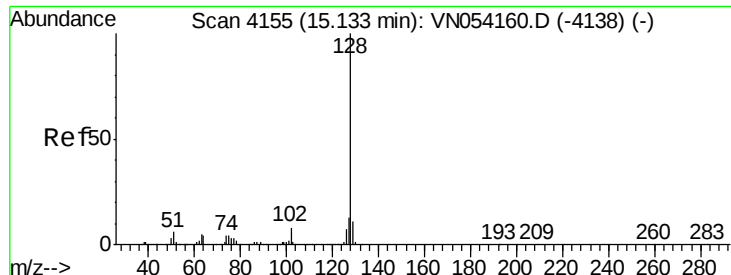


Abundance Ion 179.80 (179.50 to 180.50): VN054160.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054160.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054160.D (-4070) (-)





#95

Naphthalene

Concen: 5.440 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054290.D

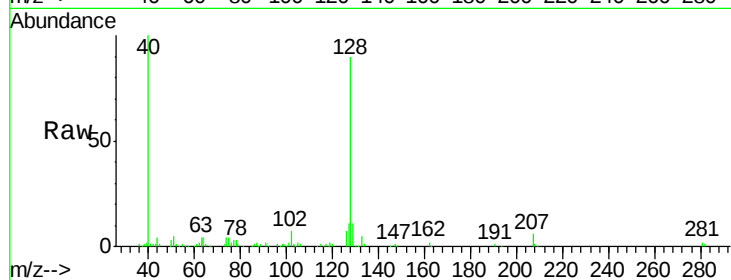
Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11



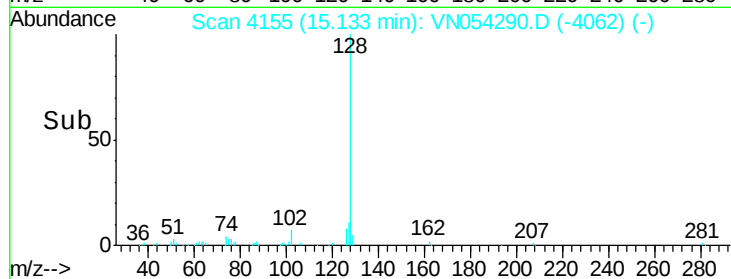
Tot Ion:128 Resp: 95537

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 11.0 8.7 13.1



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

