

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054294.D
 Acq On : 15 Mar 2019 6:50
 Operator : JC/SP
 Sample : K1902-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 51065

Quant Time: Mar 15 08:29:52 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	1249612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2133870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2256879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	981289	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	684249	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.59	113	655699	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.09	98	2653563	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.40	95	1028384	57.82	ug/l	0.00
Spiked Amount			Recovery	=	115.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2742	0.238	ug/l	92
8) Diethyl Ether	3.41	74	11418	1.433	ug/l #	6
10) Methyl Iodide	3.93	142	1349	1.567	ug/l #	79
11) Tert butyl alcohol	4.82	59	59398	65.288	ug/l	99
13) Acrolein	3.61	56	1729	2.006	ug/l #	56
14) Allyl chloride	4.33	41	49264	2.958	ug/l #	26
16) Acetone	3.82	43	298297	78.504	ug/l	98
18) Methyl Acetate	4.33	43	3513330	457.013	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	10821	0.336	ug/l	97
20) Methylene Chloride	4.54	84	48754	3.908	ug/l	94
25) 2-Butanone	6.85	43	55089	12.352	ug/l	92
29) Tetrahydrofuran	7.22	42	758	0.264	ug/l #	53
31) Cyclohexane	7.67	56	20661	Below Cal	#	2
36) 1,1-Dichloropropene	7.67	75	74343	3.783	ug/l #	48
37) Ethyl Acetate	6.94	43	12028	1.065	ug/l #	84
38) Carbon Tetrachloride	7.67	117	107304	5.207	ug/l #	15
40) Benzene	8.04	78	303321	5.394	ug/l	99
43) Isopropyl Acetate	8.31	43	68984	3.481	ug/l #	60
48) Methyl methacrylate	9.17	41	13812	1.373	ug/l #	39
49) 1,4-Dioxane	9.20	88	6079	42.729	ug/l #	27
51) 4-Methyl-2-Pentanone	9.98	43	8445	0.805	ug/l	94
52) Toluene	10.16	92	272195	7.634	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	3107	2.124	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.86	63	62	16.837	ug/l #	44
59) 2-Hexanone	10.76	43	4433	0.635	ug/l	80
67) Ethyl Benzene	11.51	91	17333	0.211	ug/l	94
68) m/p-Xylenes	11.62	106	34422	1.072	ug/l	96
69) o-Xylene	11.95	106	18194	0.581	ug/l	97
71) Bromoform	12.40	173	6590	2.808	ug/l #	1
74) N-amyl acetate	12.00	43	23458	1.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	492038	34.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	492038	116.561	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	17083	0.267	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	383	2.534	ug/l #	75

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

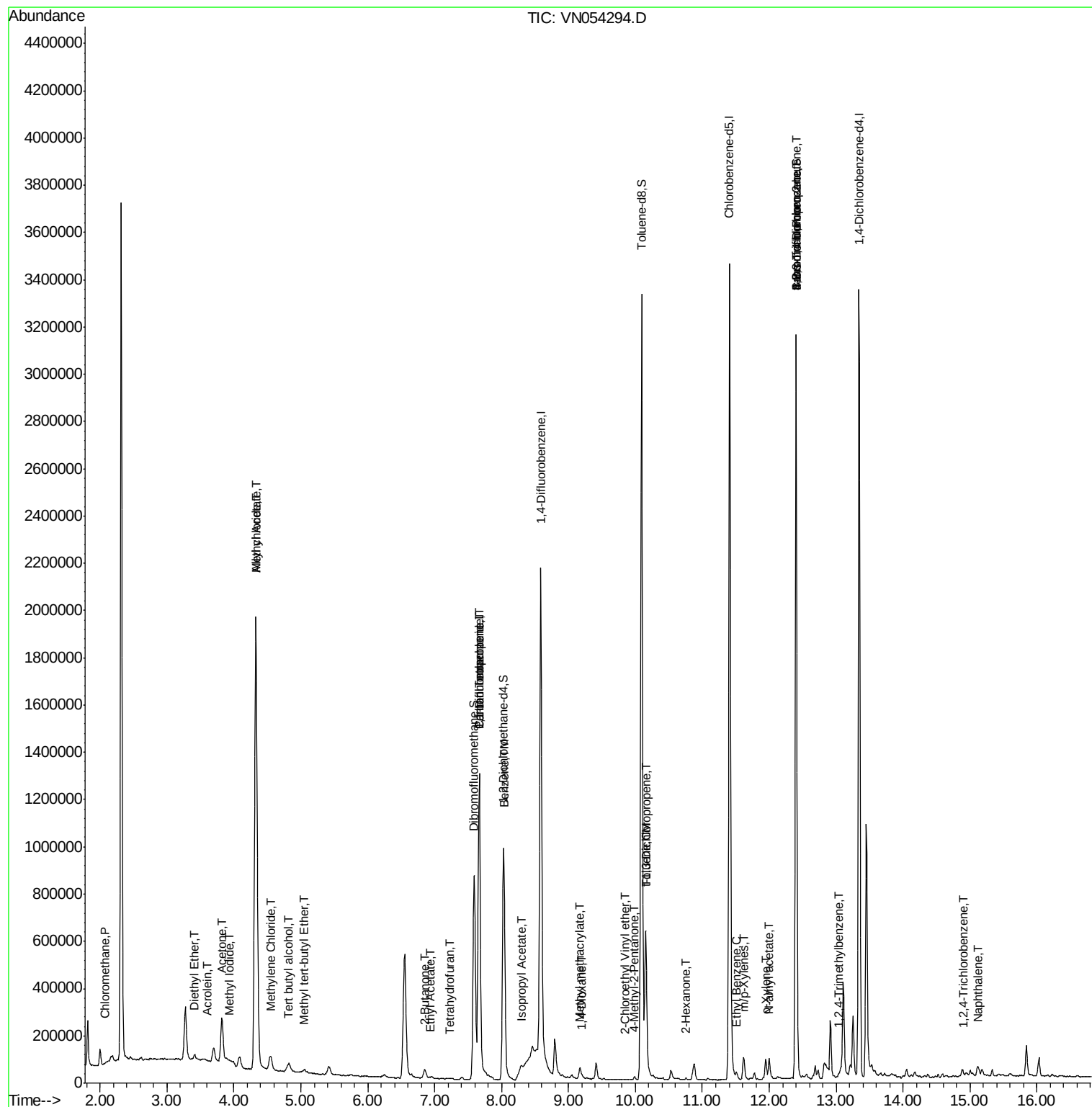
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	19647	3.895	ug/l #	92

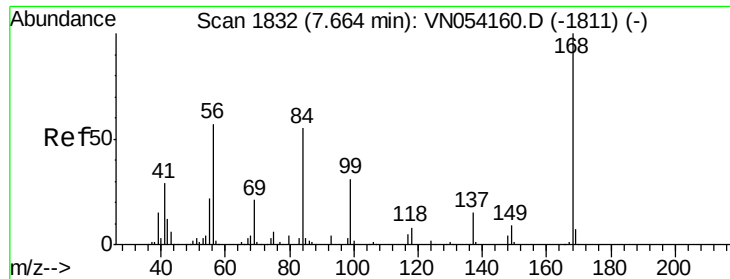
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031419\
Data File : VN054294.D
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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: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

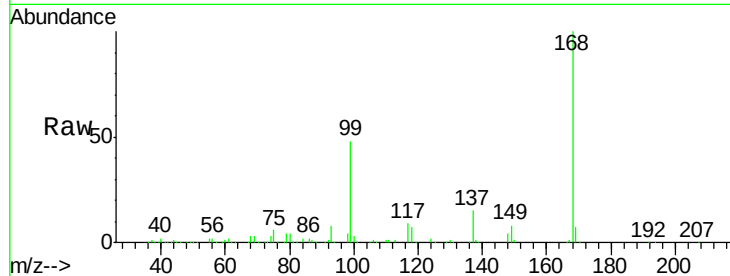
51065

Tot Ion:168 Resp: 1249612

Ion Ratio Lower Upper

168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

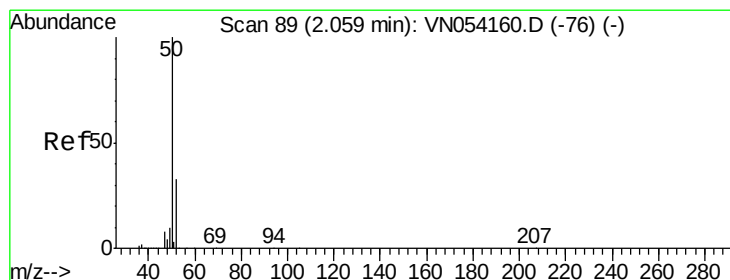
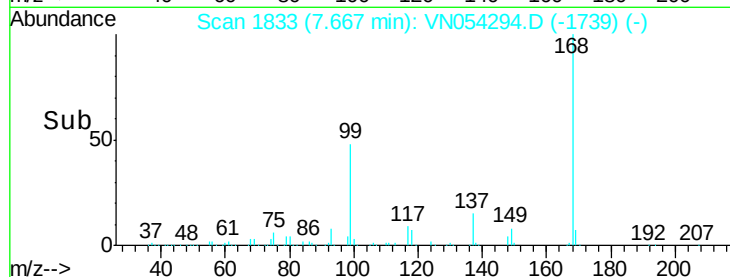
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.238 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054294.D

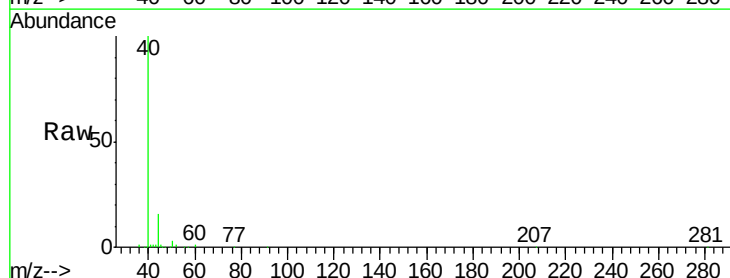
Acq: 15 Mar 2019 6:50

Tgt Ion: 50 Resp: 2742

Ion Ratio Lower Upper

50 100

52 28.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2000

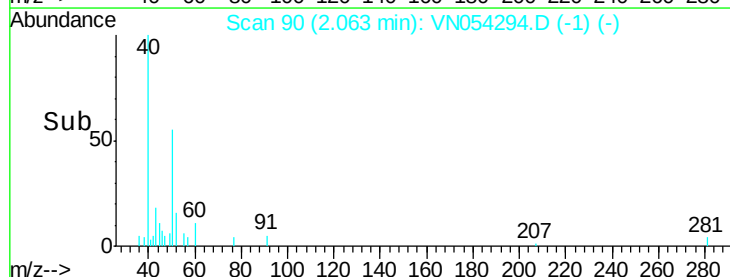
1500

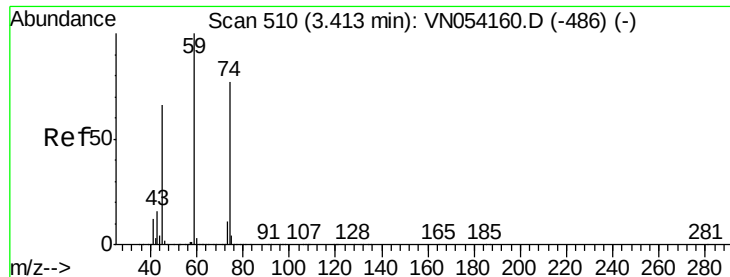
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 1.433 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

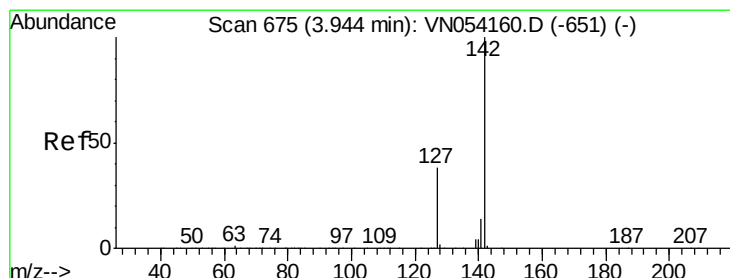
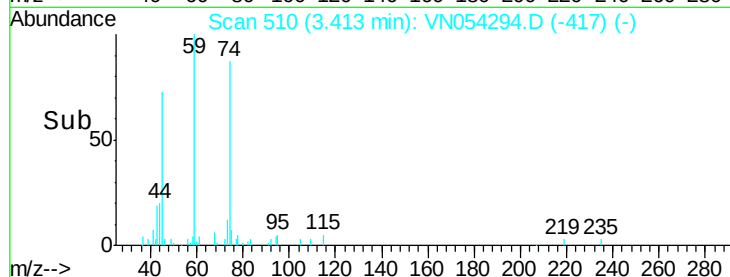
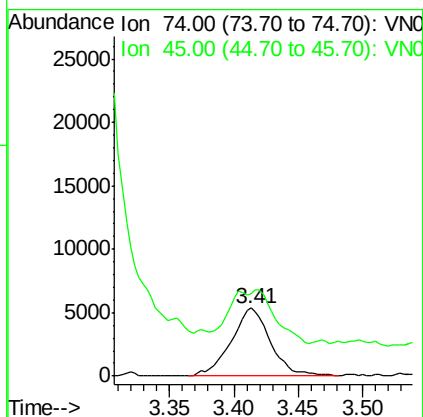
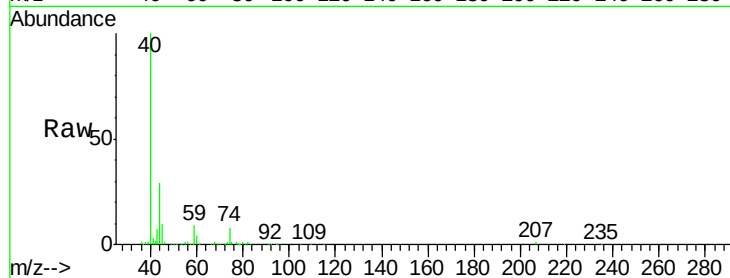
51065

Tot Ion: 74 Resp: 11418

Ion Ratio Lower Upper

74 100

45 0.0 43.1 129.4#



#10

Methyl Iodide

Concen: 1.567 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

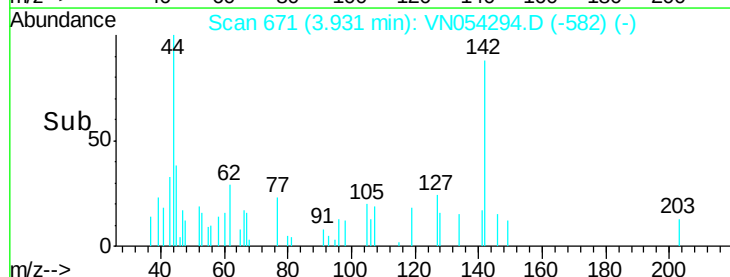
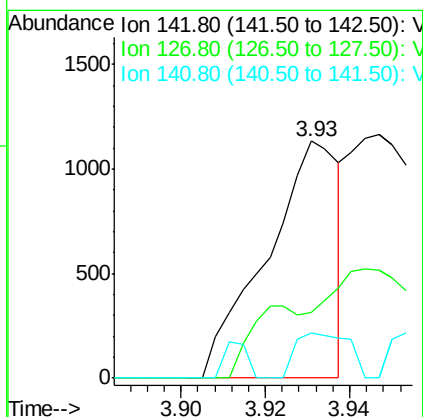
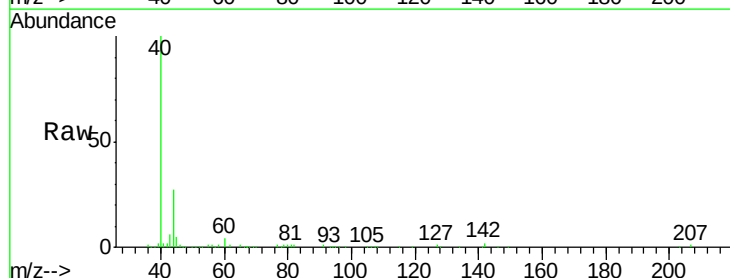
Tgt Ion: 142 Resp: 1349

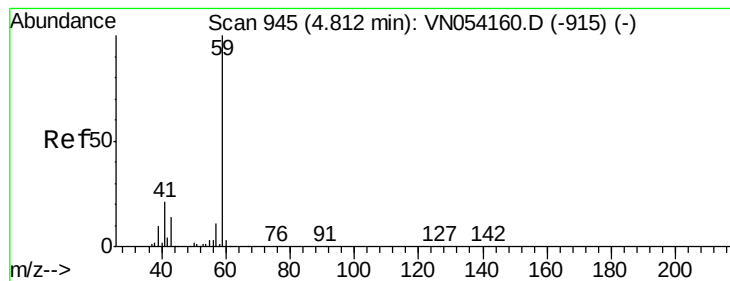
Ion Ratio Lower Upper

142 100

127 20.5 30.3 45.5#

141 14.1 11.2 16.8





#11

Tert butyl alcohol

Concen: 65.288 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.01 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

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ClientSampled :

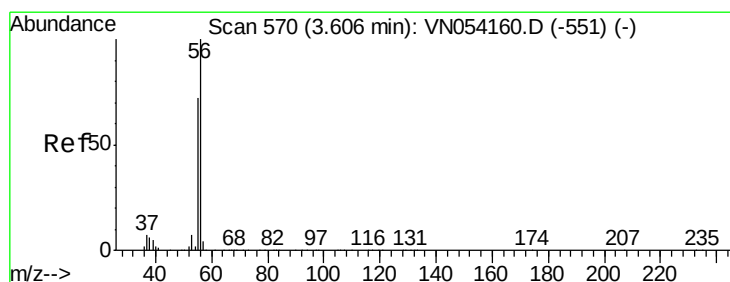
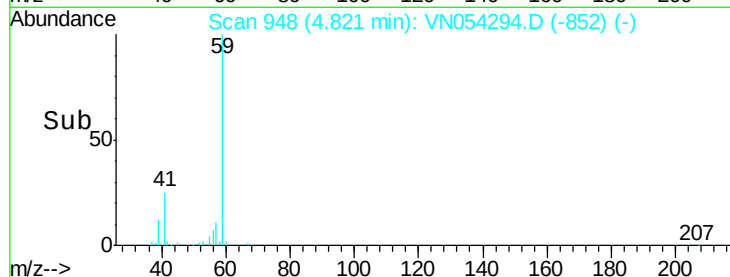
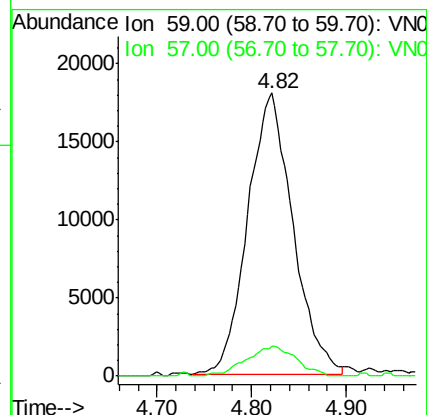
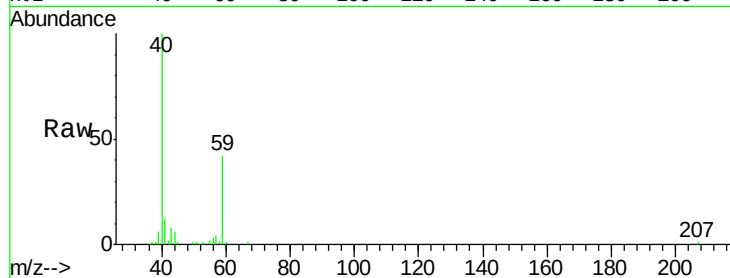
51065

Tot Ion: 59 Resp: 59398

Ion Ratio Lower Upper

59 100

57 11.9 9.0 13.6



#13

Acrolein

Concen: 2.006 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054294.D

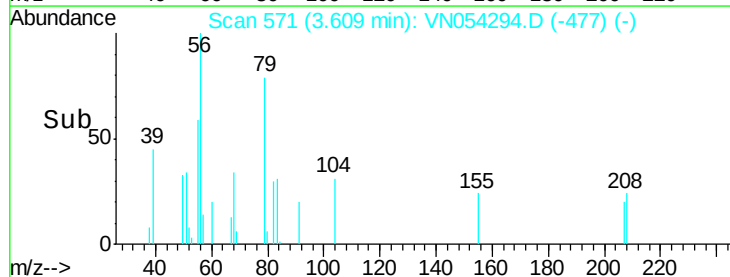
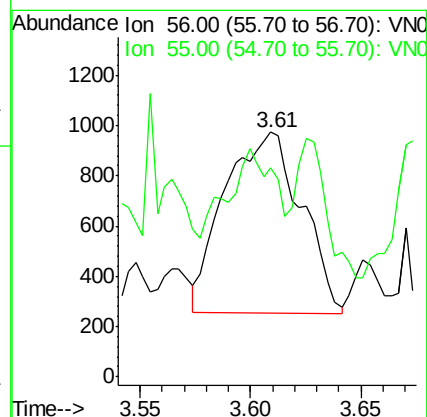
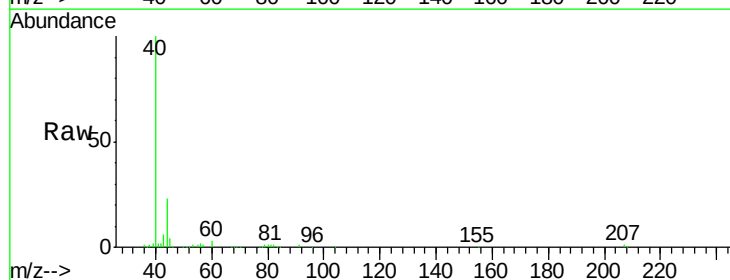
Acq: 15 Mar 2019 6:50

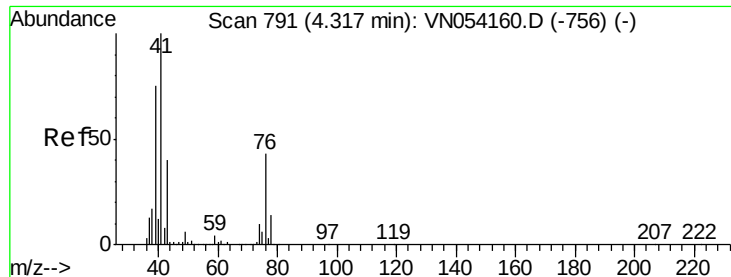
Tgt Ion: 56 Resp: 1729

Ion Ratio Lower Upper

56 100

55 34.8 56.7 85.1#





#14

Allvl chloride

Concen: 2.958 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampleId :

51065

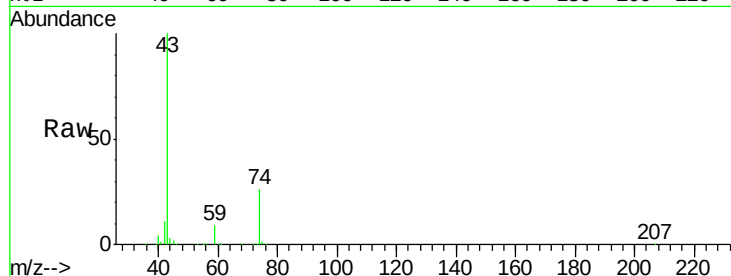
Tot Ion: 41 Resp: 49264

Ion Ratio Lower Upper

41 100

39 0.9 58.2 87.4#

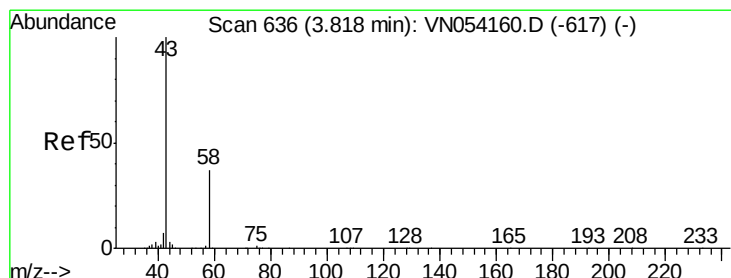
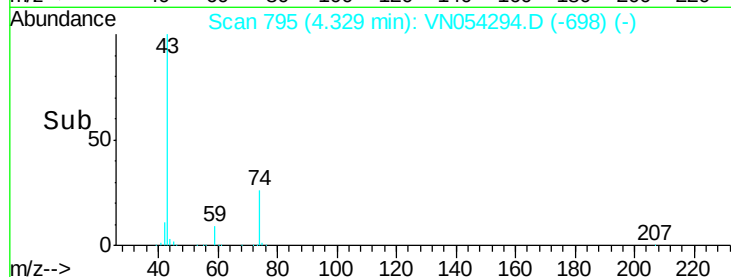
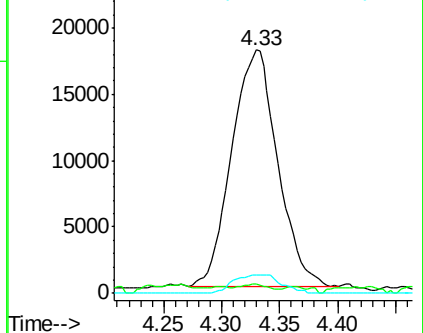
76 8.1 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 78.504 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054294.D

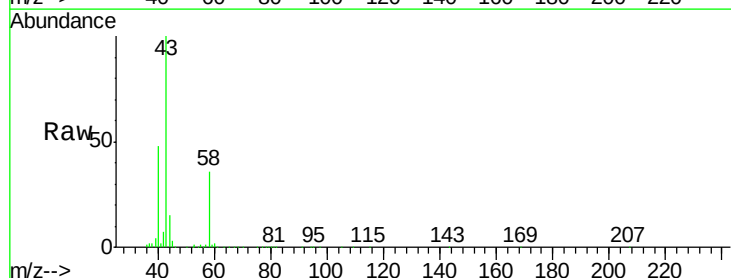
Acq: 15 Mar 2019 6:50

Tgt Ion: 43 Resp: 298297

Ion Ratio Lower Upper

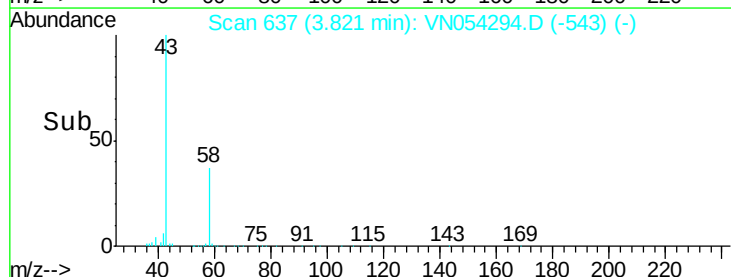
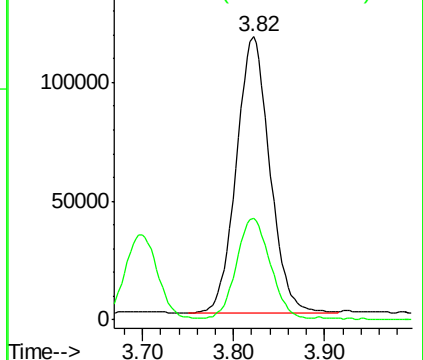
43 100

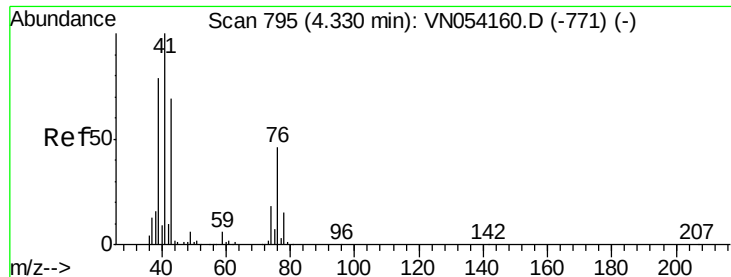
58 36.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

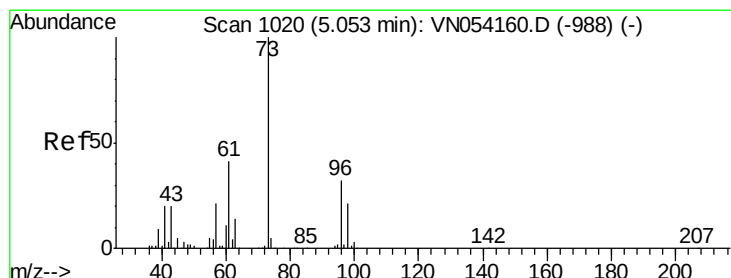
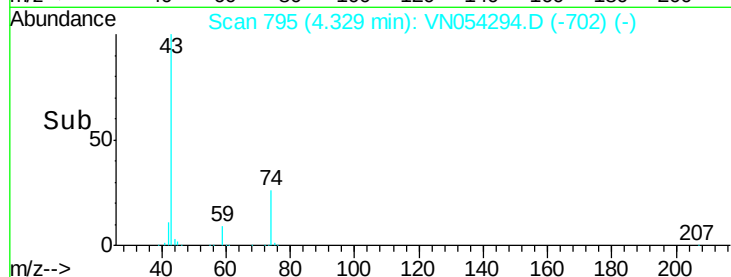
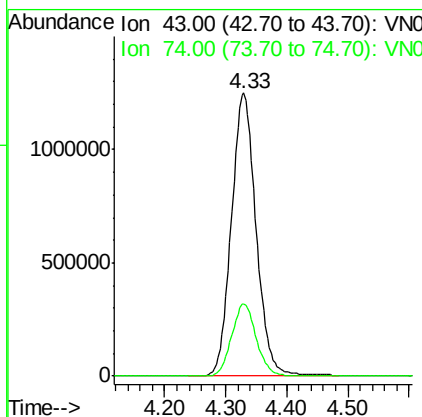
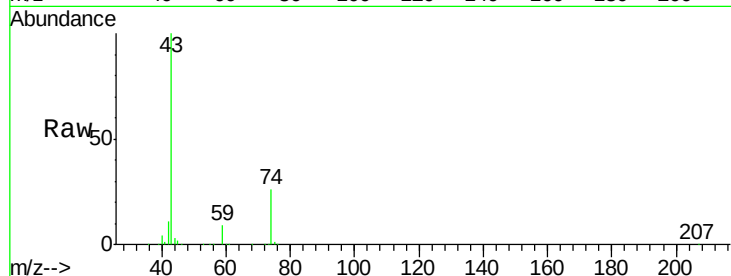




#18
Methvl Acetate
Concen: 457.013 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

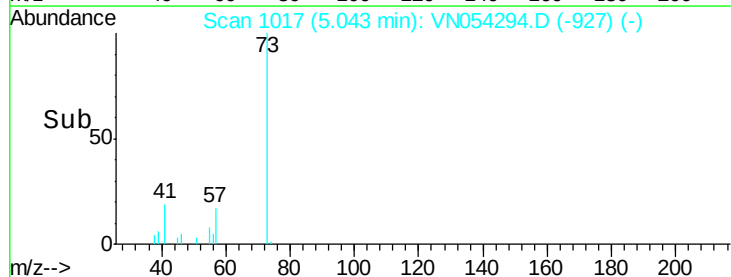
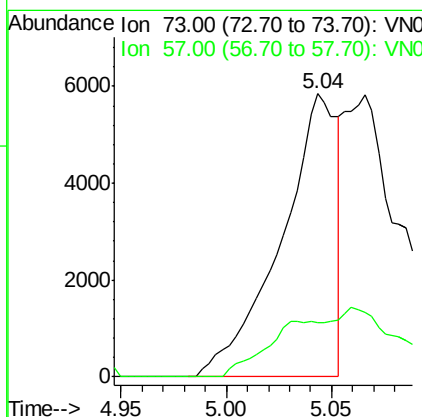
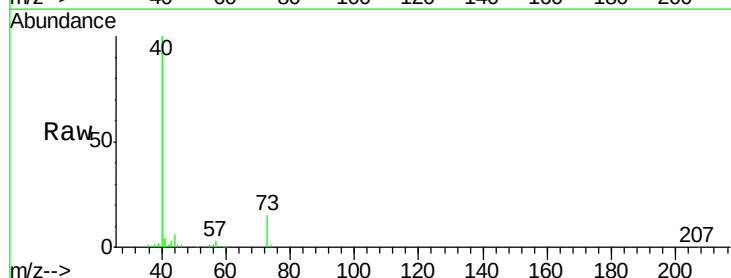
Instrument :
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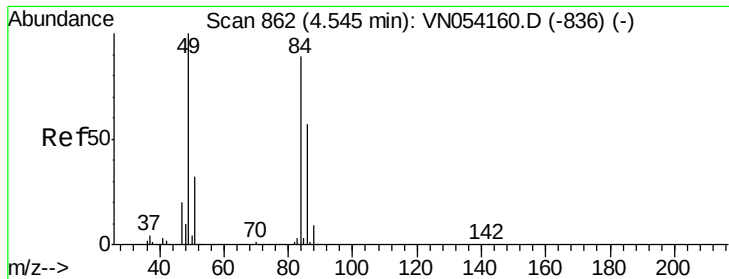
Tot Ion: 43 Resp: 3513330
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2



#19
Methyl tert-butyl Ether
Concen: 0.336 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

Tgt Ion: 73 Resp: 10821
Ion Ratio Lower Upper
73 100
57 19.4 16.8 25.2

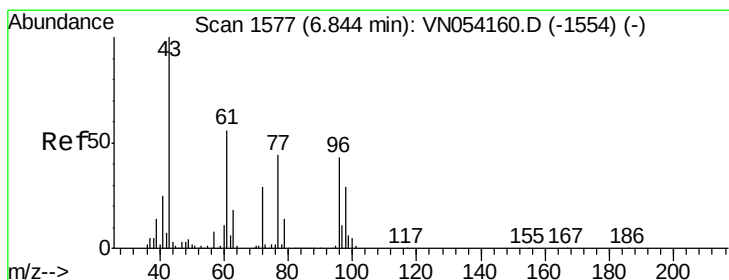
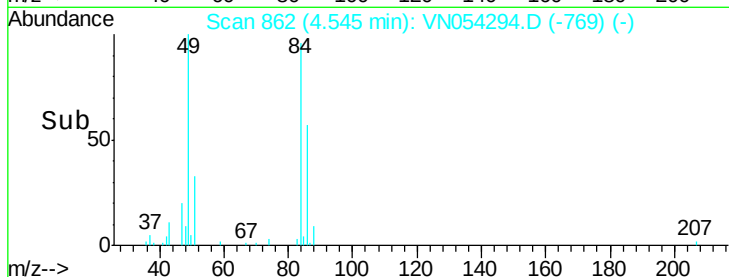
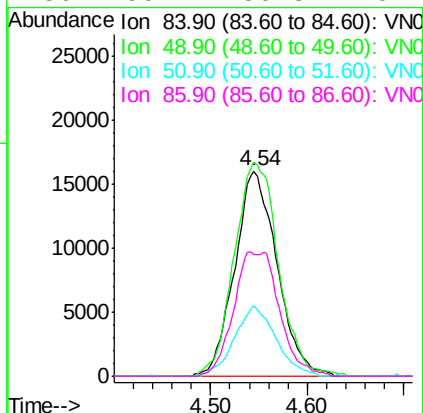
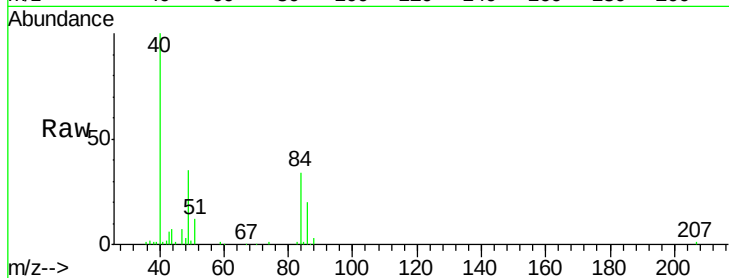




#20
Methvlene Chloride
Concen: 3.908 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

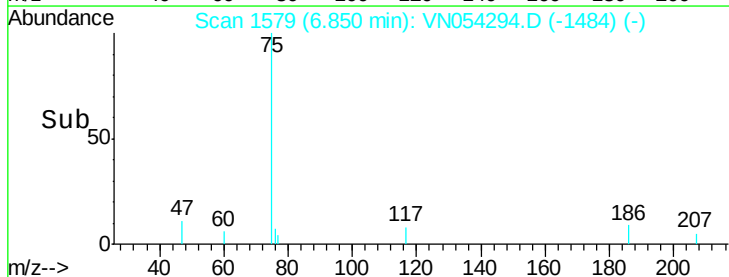
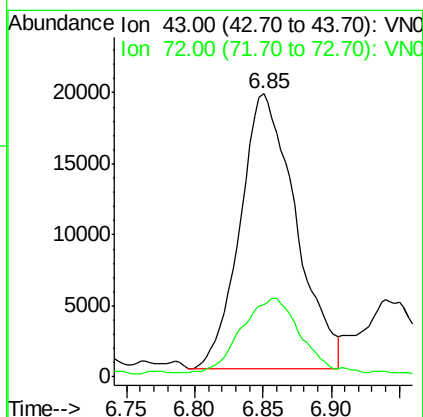
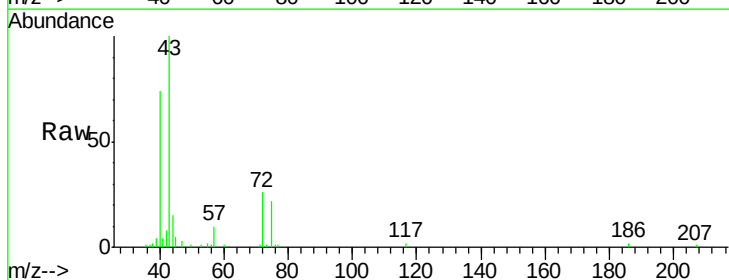
Instrument :
MSVOA_N
ClientSampled :
51065

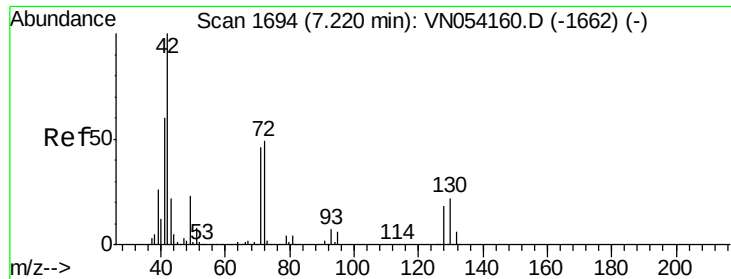
Tot Ion:	84	Resp:	48754
Ion	Ratio	Lower	Upper
84	100		
49	104.3	89.7	134.5
51	34.4	28.2	42.4
86	59.7	50.8	76.2



#25
2-Butanone
Concen: 12.352 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

Tgt Ion:	43	Resp:	55089
Ion	Ratio	Lower	Upper
43	100		
72	24.6	23.0	34.6

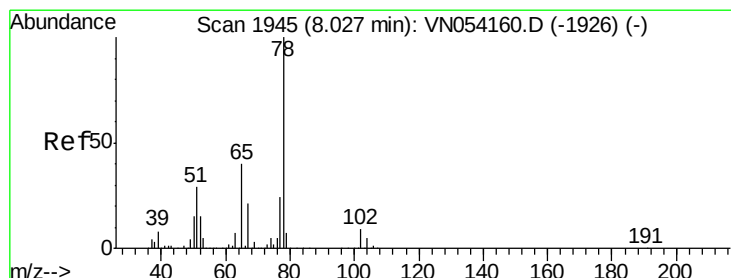
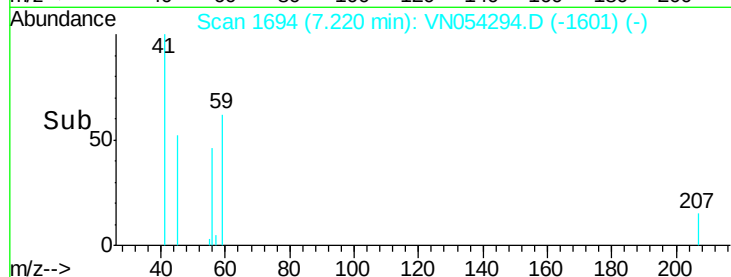
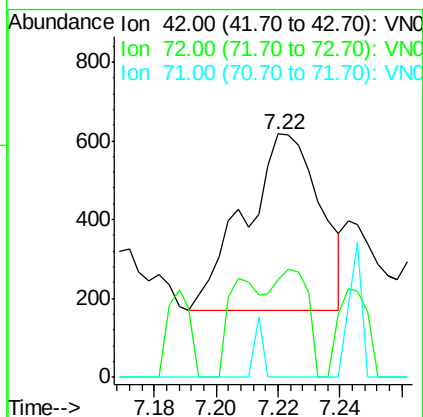
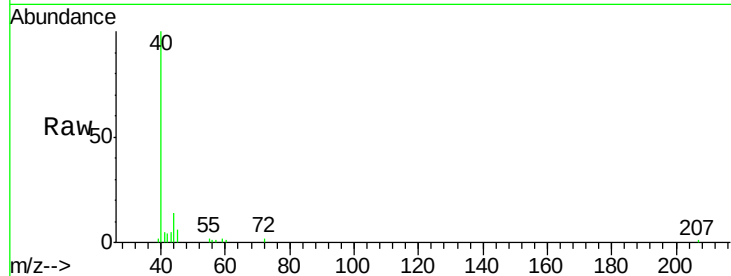




#29
Tetrahydrofuran
Concen: 0.264 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

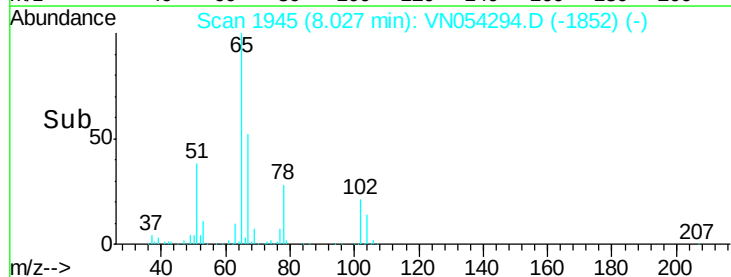
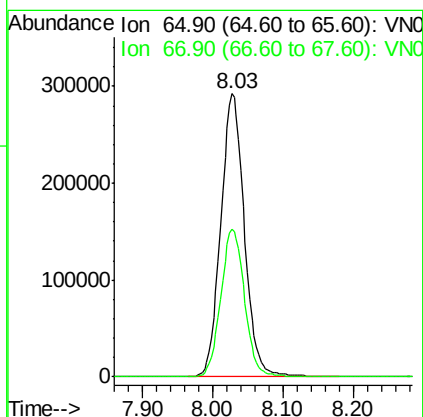
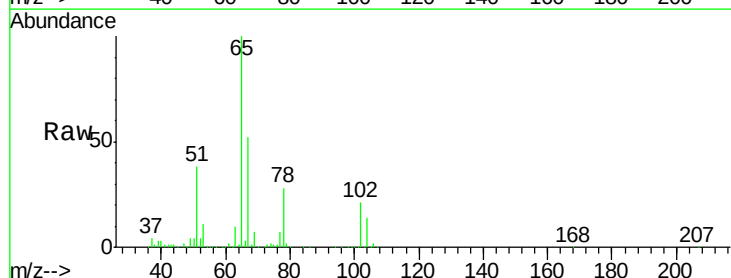
Instrument :
MSVOA_N
ClientSampled :
51065

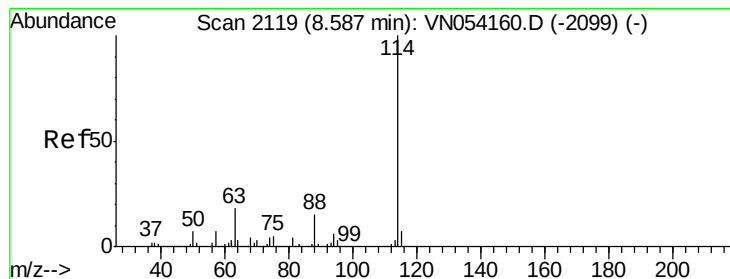
Tot Ion: 42 Resp: 758
Ion Ratio Lower Upper
42 100
72 25.6 37.8 56.6#
71 4.0 36.2 54.2#



#33
1,2-Dichloroethane-d4
Concen: 51.560 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

Tgt Ion: 65 Resp: 684249
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampleId :

51065

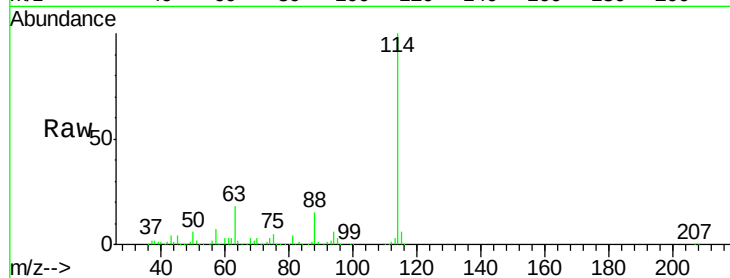
Tot Ion:114 Resp: 2133870

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

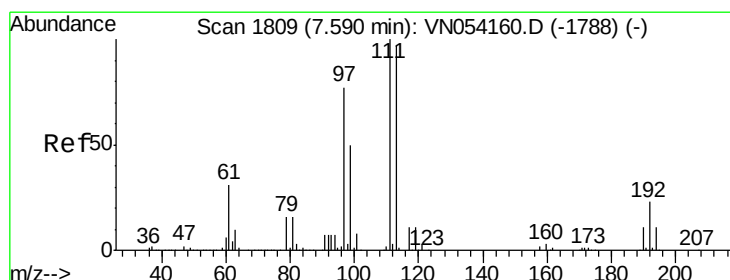
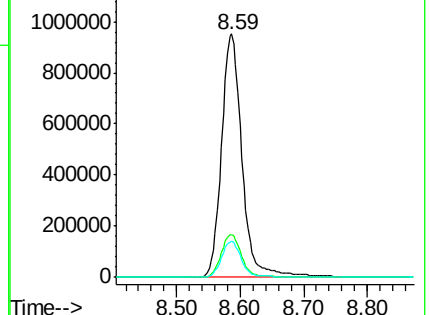
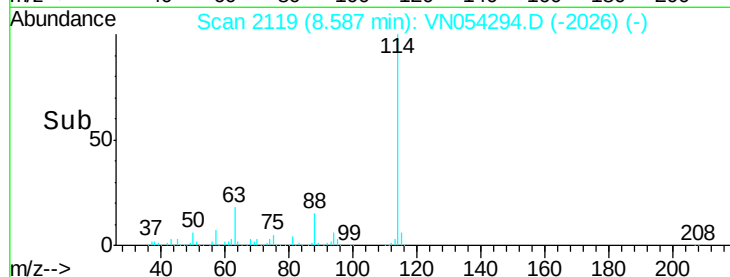
88 14.8 0.0 30.2



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: 47.644 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

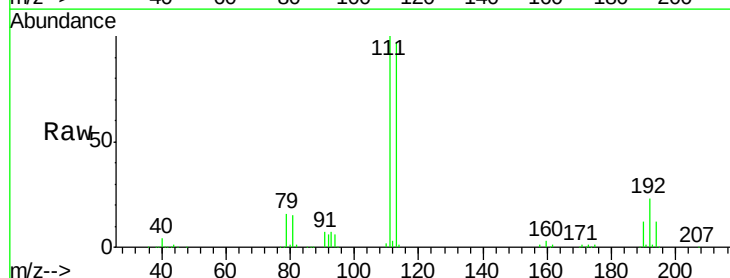
Tgt Ion:113 Resp: 655699

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

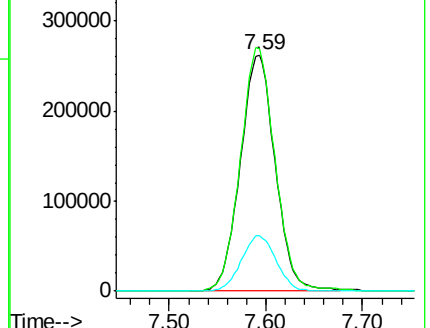
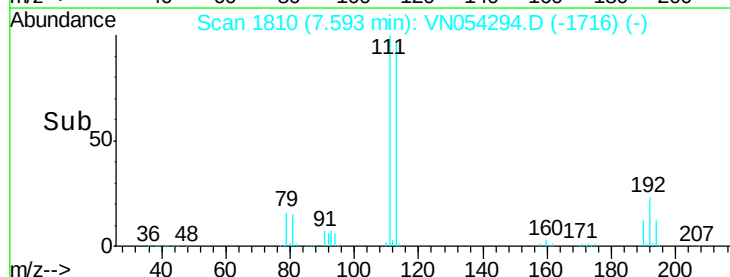
192 23.5 19.2 28.8

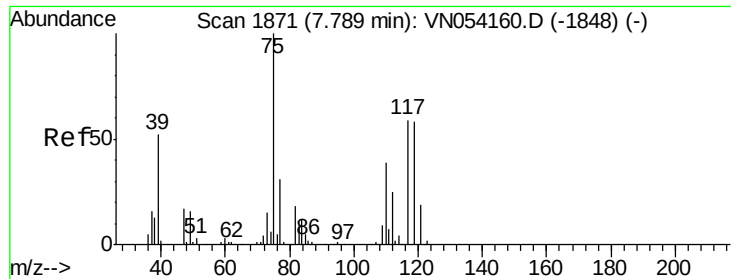


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.783 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

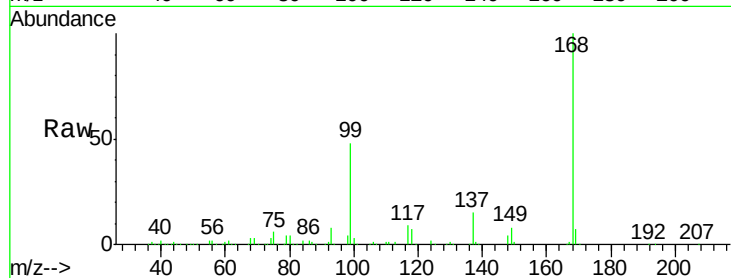
Tot Ion: 75 Resp: 74343

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.5#

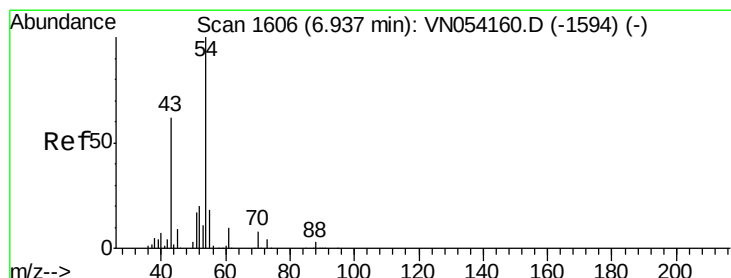
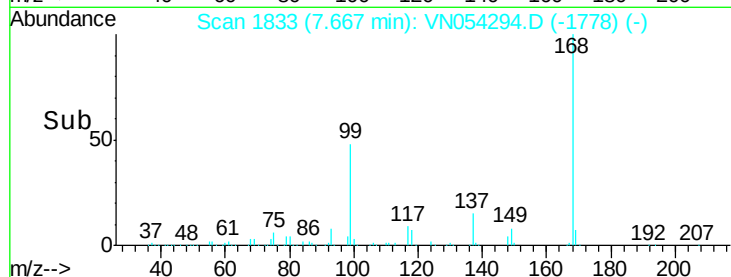
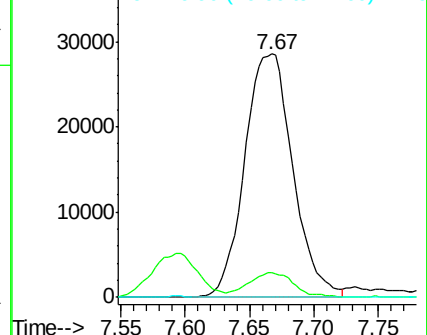
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.065 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

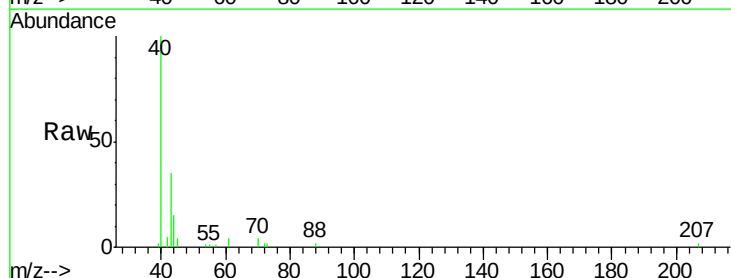
Tgt Ion: 43 Resp: 12028

Ion Ratio Lower Upper

43 100

61 7.7 11.8 17.6#

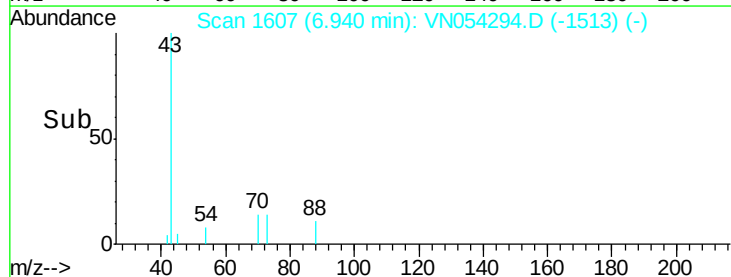
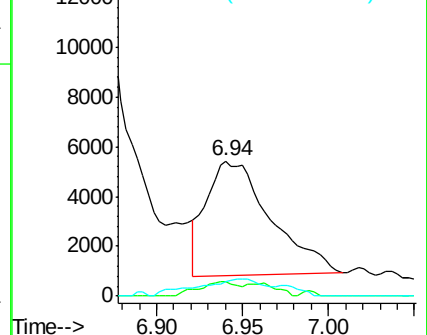
70 15.6 8.4 12.6#

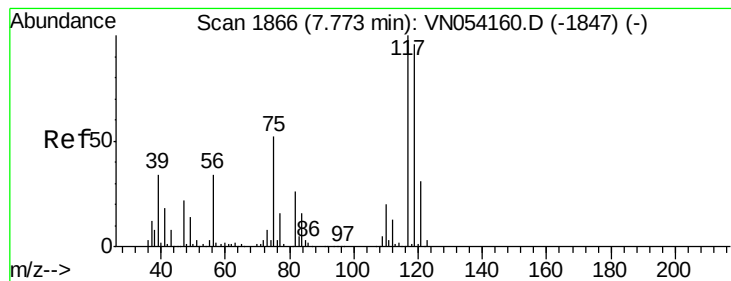


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.207 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

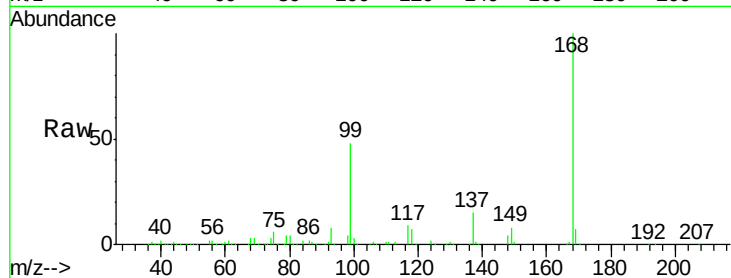
Tot Ion:117 Resp: 107304

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

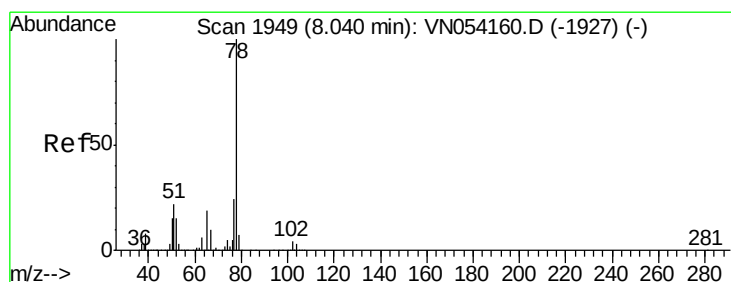
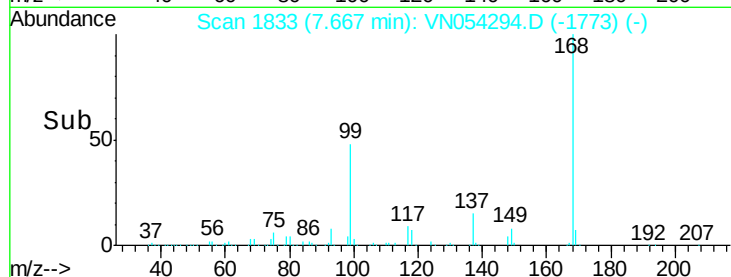
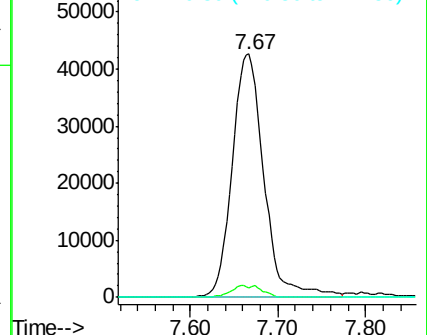
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 5.394 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054294.D

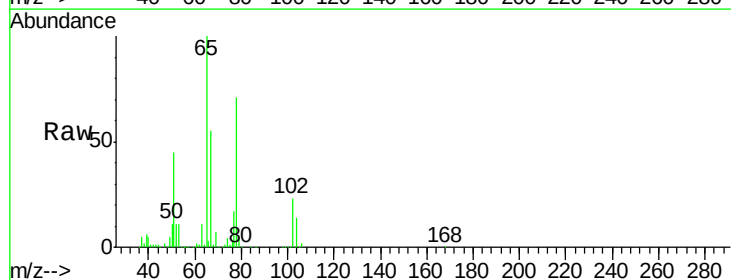
Acq: 15 Mar 2019 6:50

Tgt Ion: 78 Resp: 303321

Ion Ratio Lower Upper

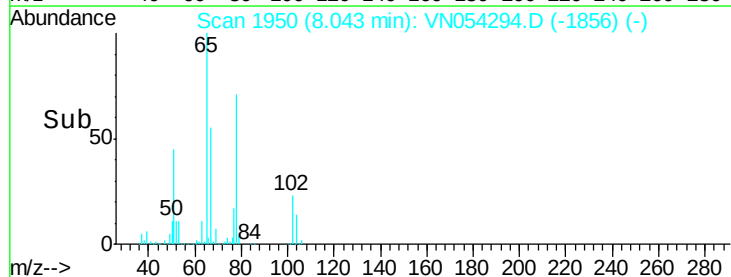
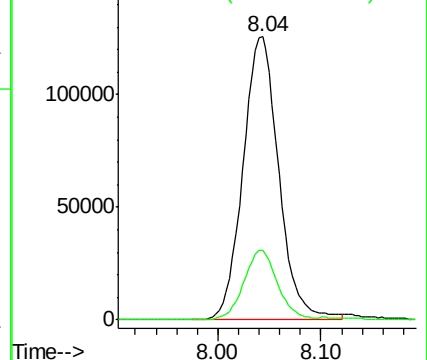
78 100

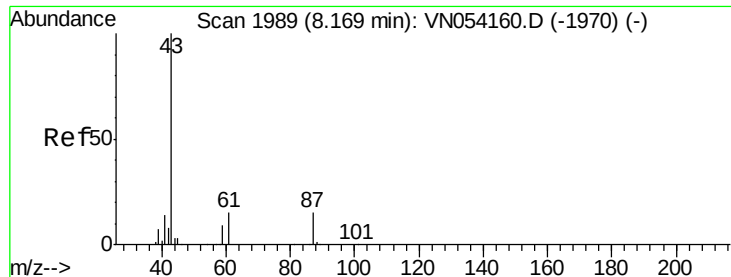
77 24.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 3.481 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

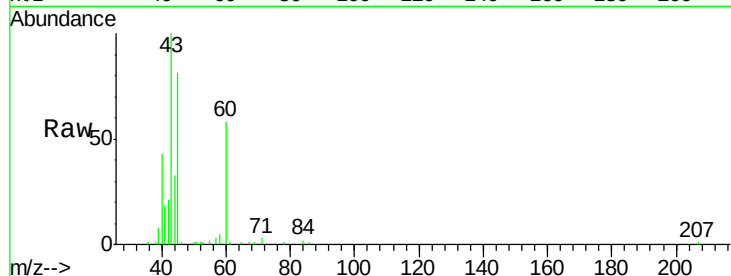
Tot Ion: 43 Resp: 68984

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

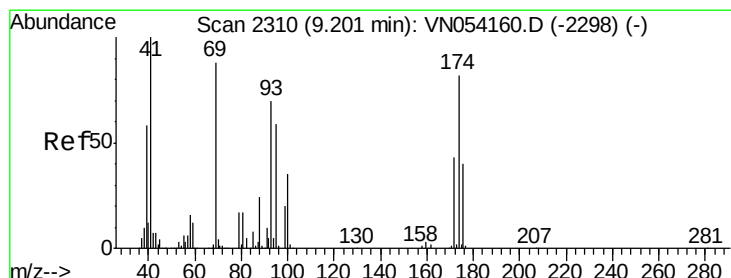
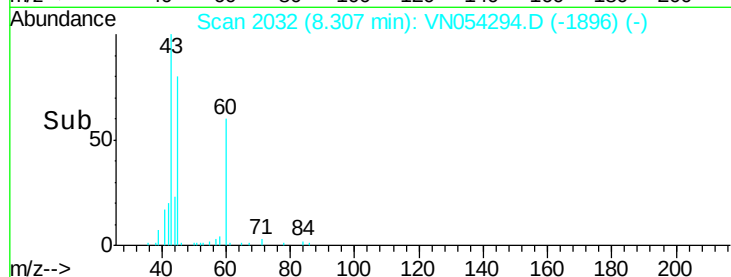
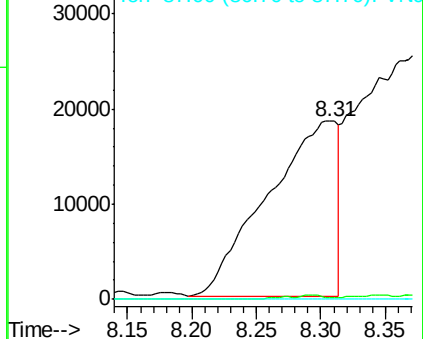
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.373 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.03 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

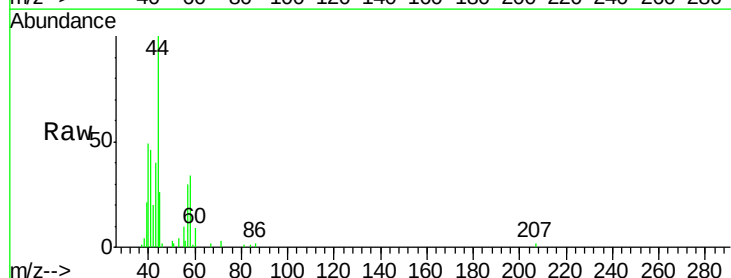
Tgt Ion: 41 Resp: 13812

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

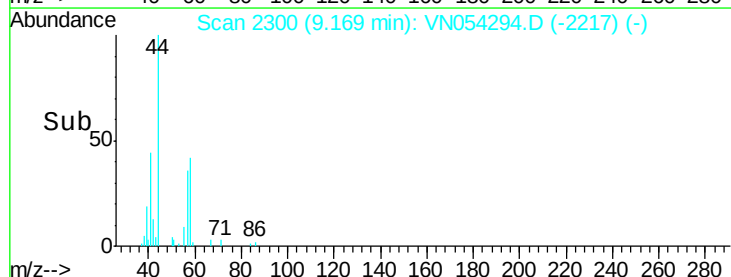
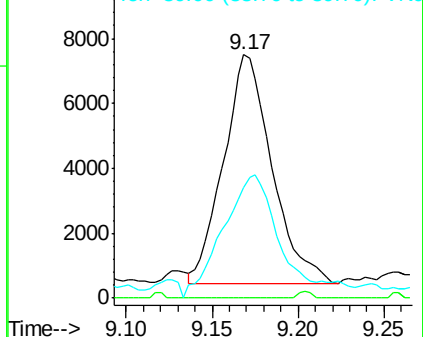
39 65.3 47.5 71.3

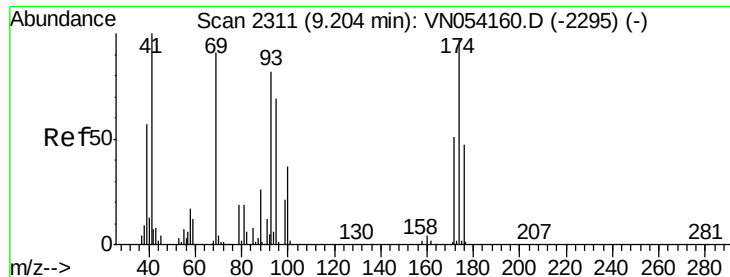


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 42.729 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

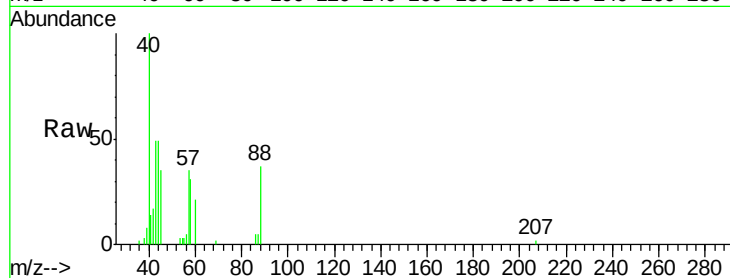
Tot Ion: 88 Resp: 6079

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

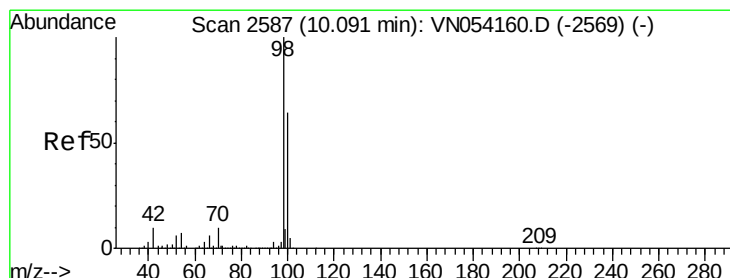
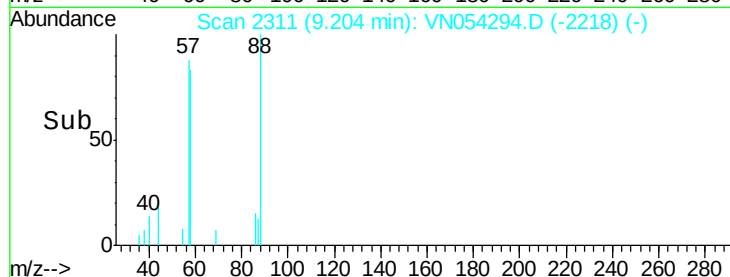
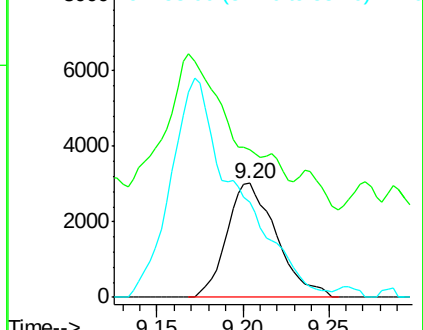
58 0.0 50.8 76.2#



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: 52.208 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054294.D

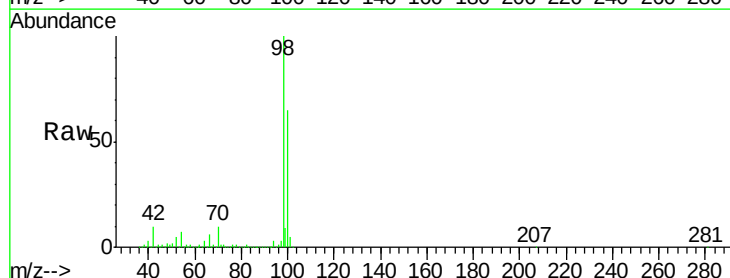
Acq: 15 Mar 2019 6:50

Tgt Ion: 98 Resp: 2653563

Ion Ratio Lower Upper

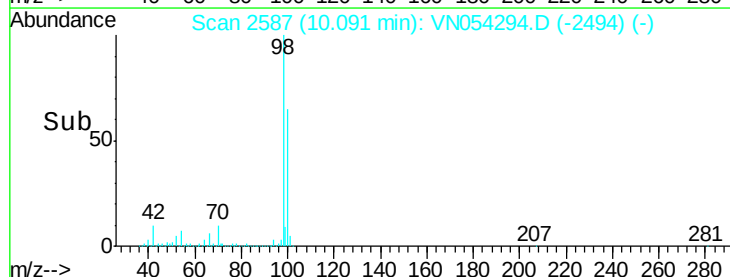
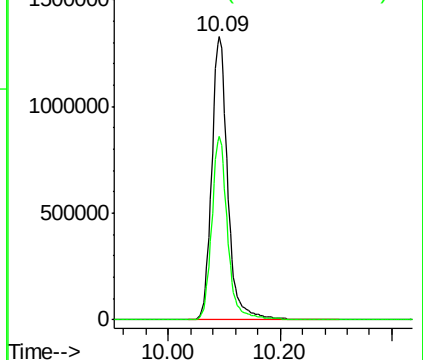
98 100

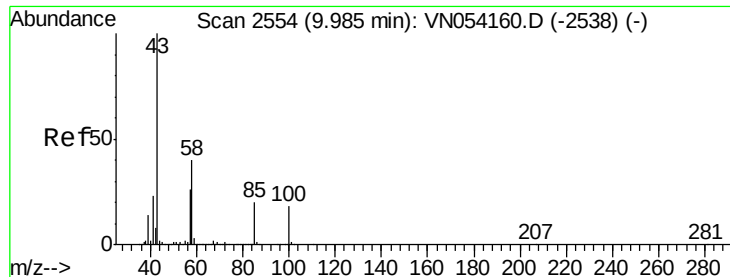
100 64.0 51.2 76.8



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: 0.805 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

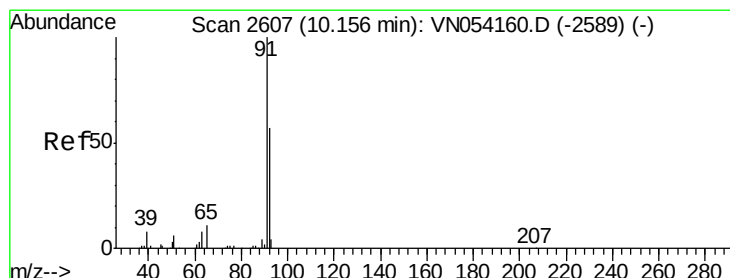
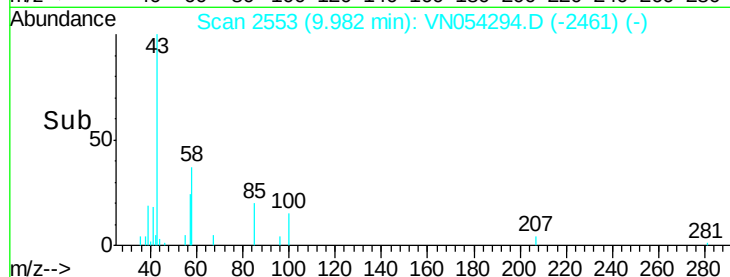
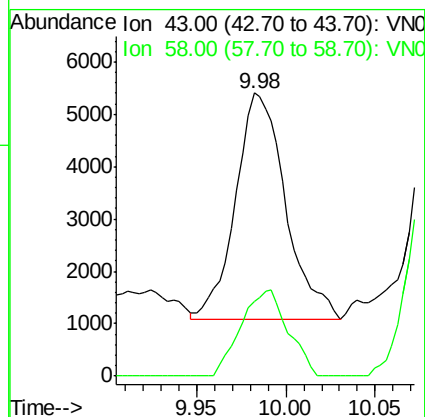
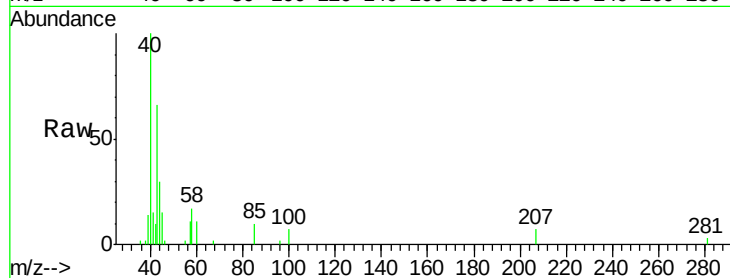
51065

Tot Ion: 43 Resp: 8445

Ion Ratio Lower Upper

43 100

58 36.0 31.8 47.6



#52

Toluene

Concen: 7.634 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054294.D

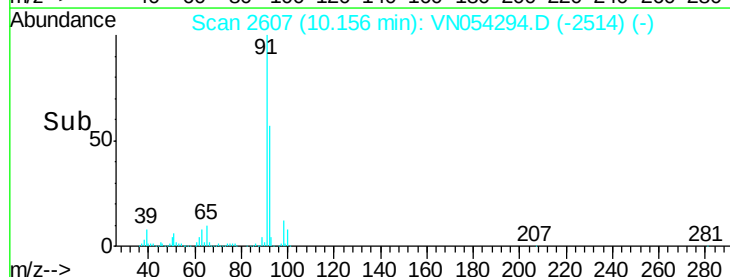
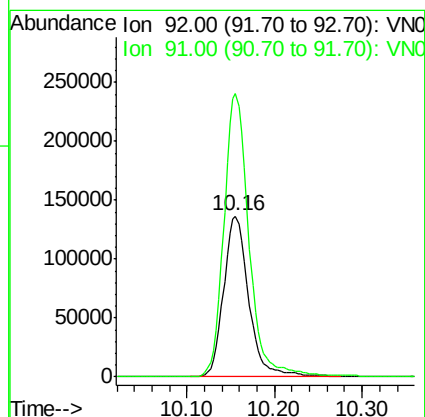
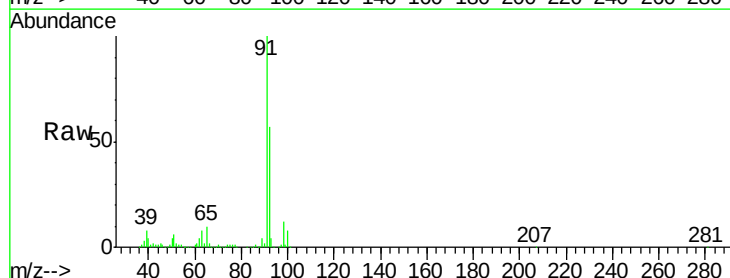
Acq: 15 Mar 2019 6:50

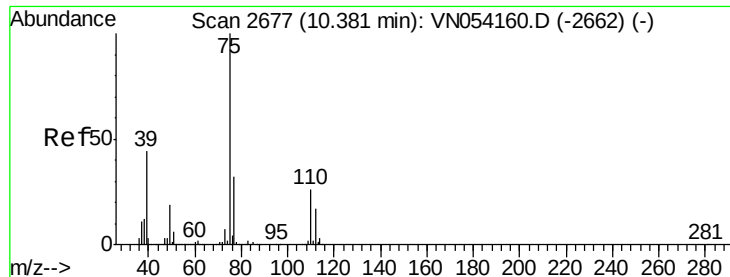
Tgt Ion: 92 Resp: 272195

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 2.124 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

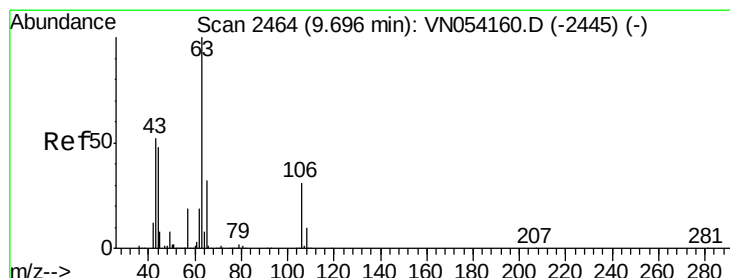
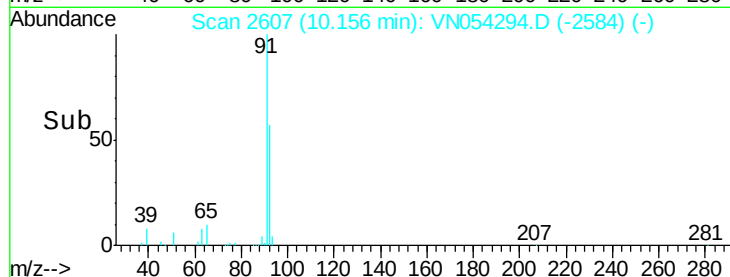
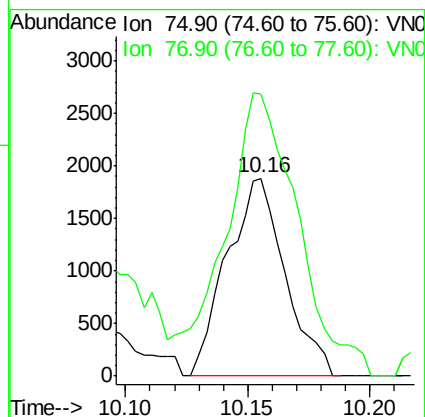
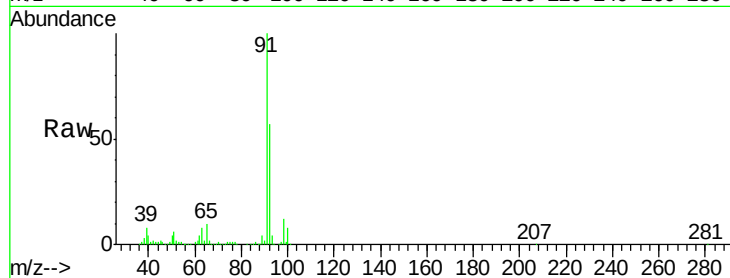
51065

Tot Ion: 75 Resp: 3107

Ion Ratio Lower Upper

75 100

77 126.5 25.8 38.8#



#58

2-Chloroethyl Vinyl ether

Concen: 16.837 ug/l

RT: 9.86 min Scan# 2515

Delta R.T. 0.16 min

Lab File: VN054294.D

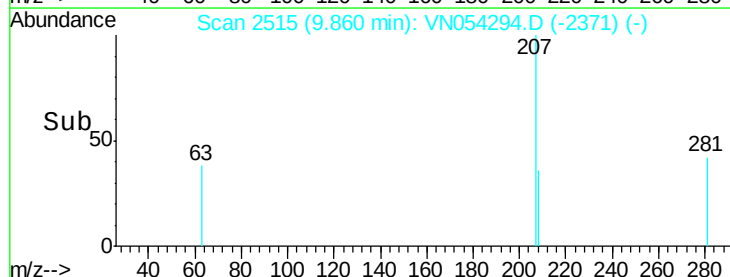
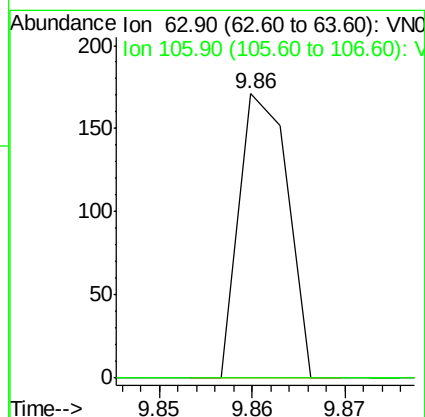
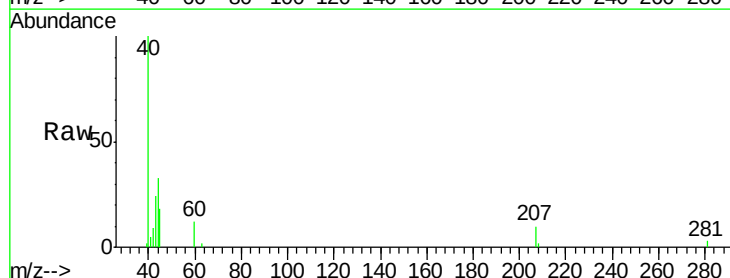
Acq: 15 Mar 2019 6:50

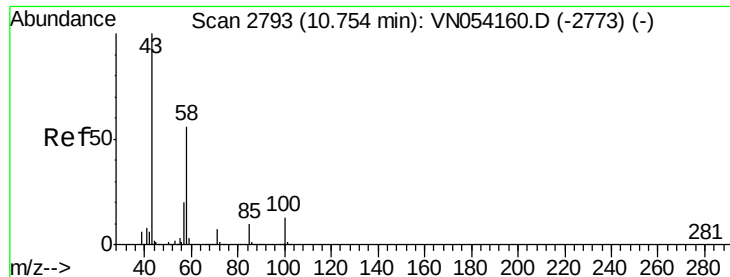
Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#

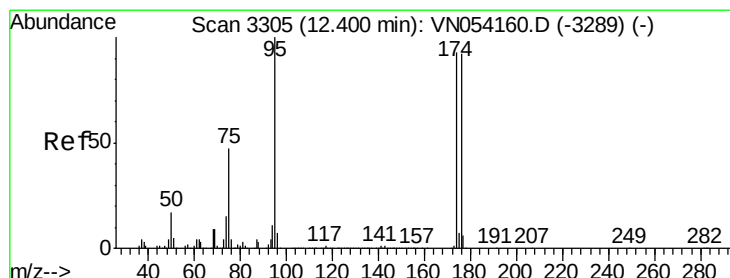
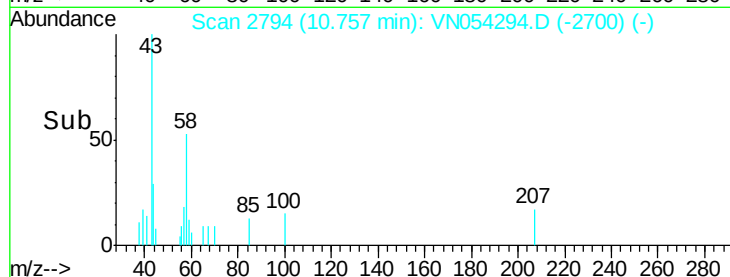
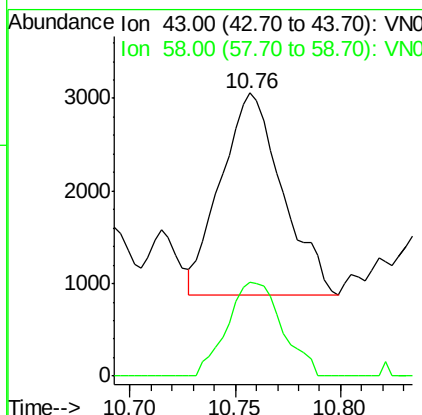
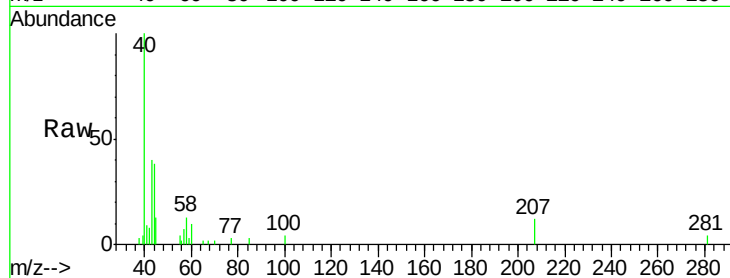




#59
2-Hexanone
Concen: 0.635 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

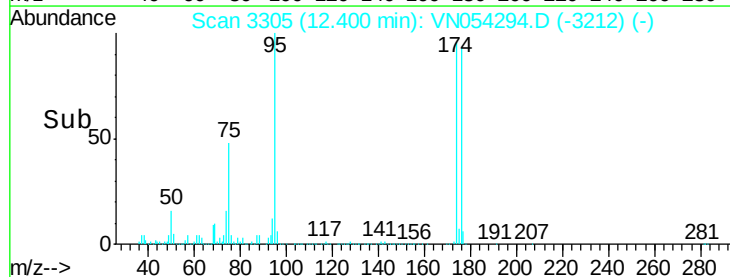
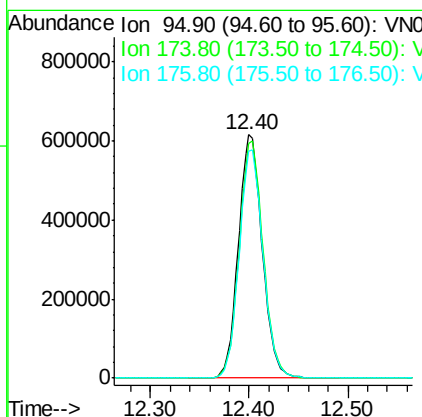
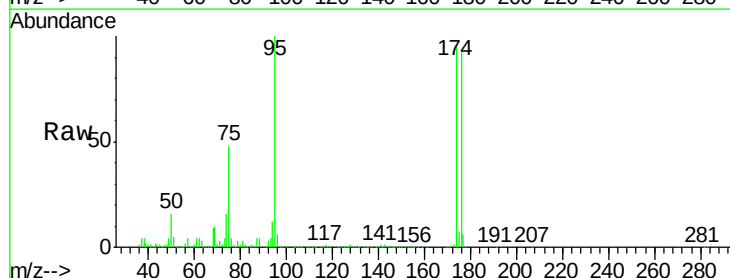
Instrument :
MSVOA_N
ClientSampled :
51065

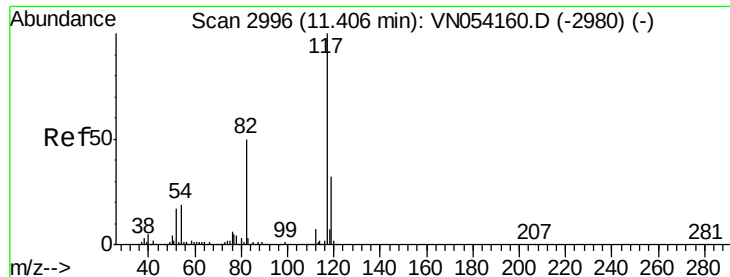
Tot Ion: 43 Resp: 4433
Ion Ratio Lower Upper
43 100
58 41.4 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 57.825 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

Tgt Ion: 95 Resp: 1028384
Ion Ratio Lower Upper
95 100
174 97.6 0.0 191.0
176 94.2 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

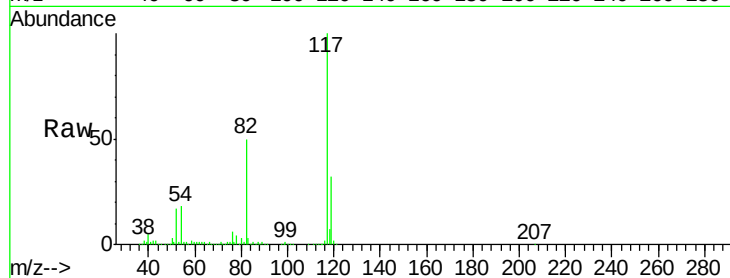
Tot Ion:117 Resp: 2256879

Ion Ratio Lower Upper

117 100

82 50.1 40.0 60.0

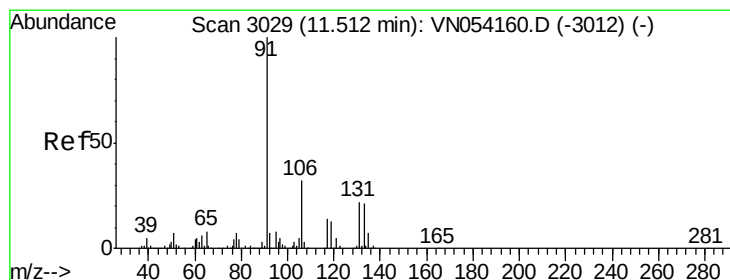
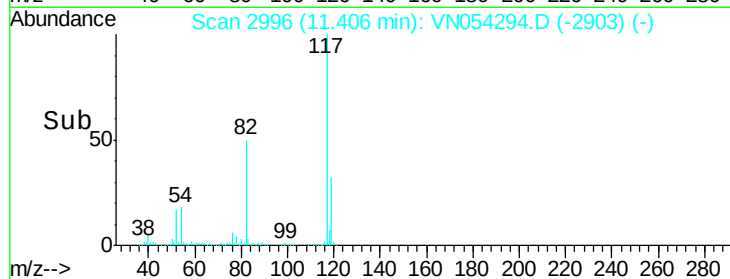
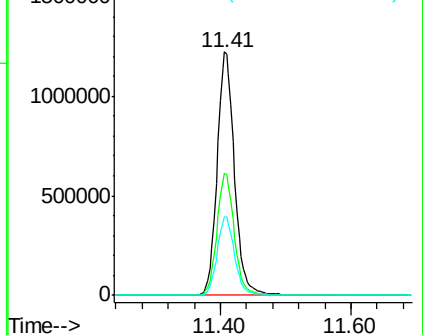
119 32.2 25.8 38.6



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



#67

Ethyl Benzene

Concen: 0.211 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054294.D

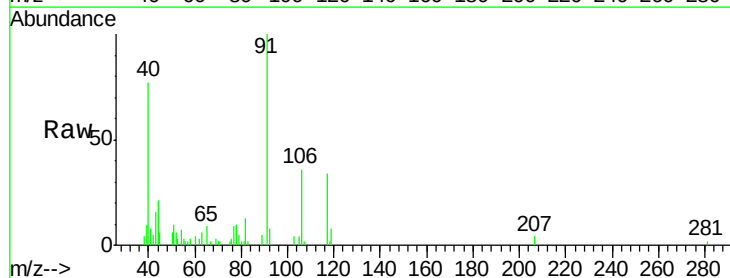
Acq: 15 Mar 2019 6:50

Tgt Ion: 91 Resp: 17333

Ion Ratio Lower Upper

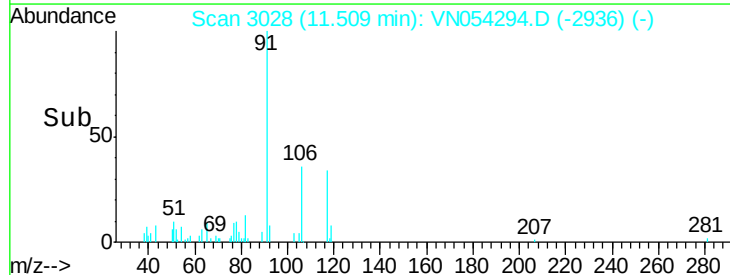
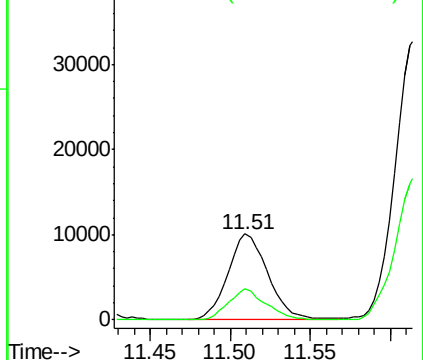
91 100

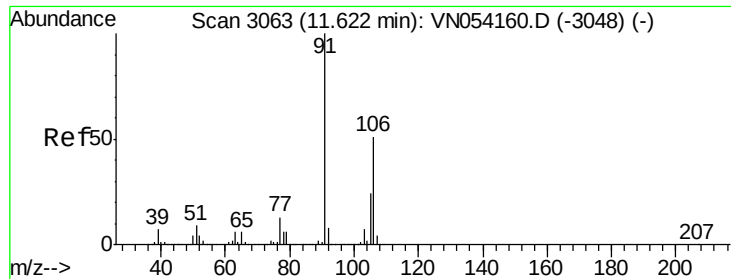
106 35.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

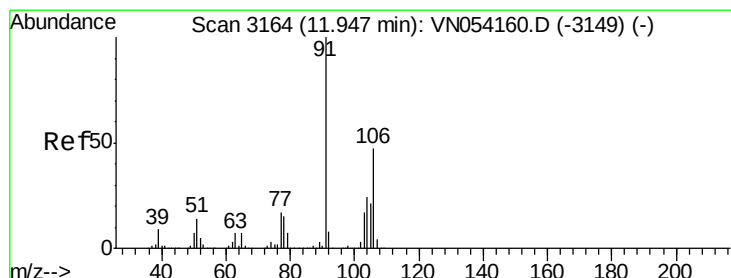
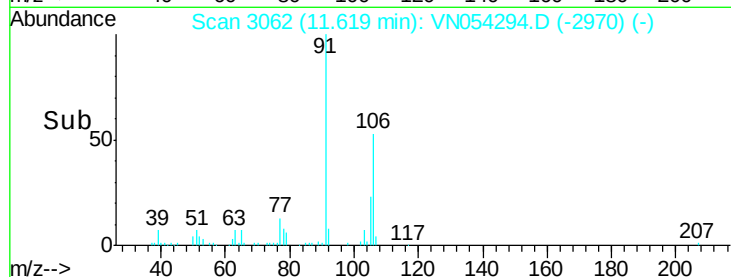
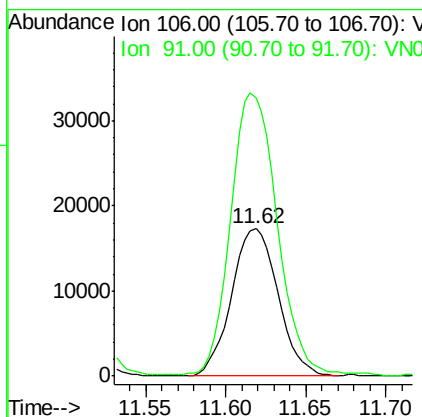
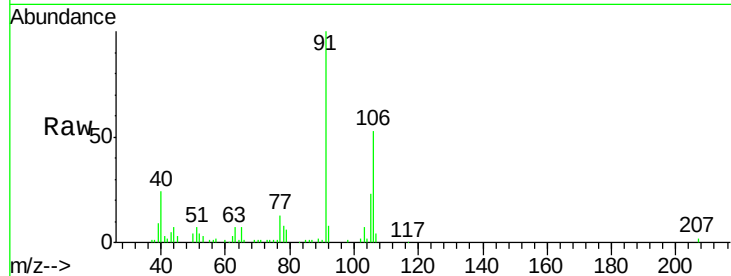




#68
m/p-Xylenes
Concen: 1.072 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

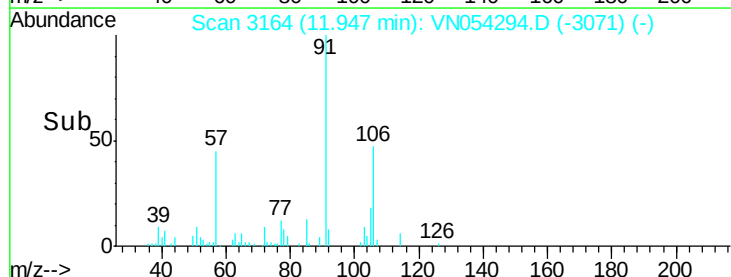
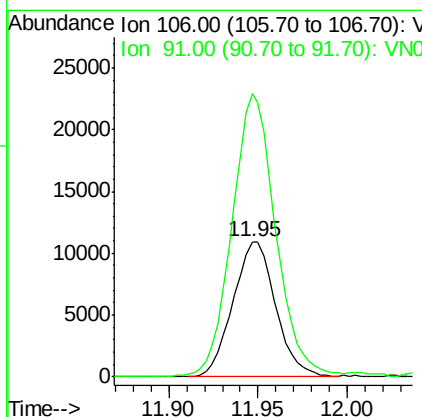
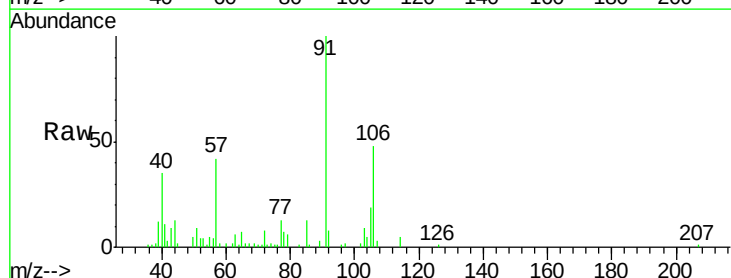
Instrument :
MSVOA_N
ClientSampled :
51065

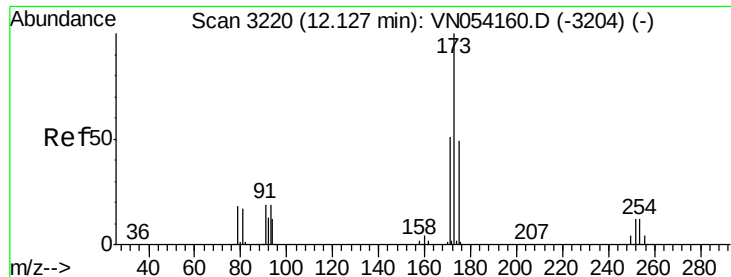
Tot Ion:106 Resp: 34422
Ion Ratio Lower Upper
106 100
91 193.9 159.4 239.2



#69
o-Xylene
Concen: 0.581 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054294.D
Acq: 15 Mar 2019 6:50

Tgt Ion:106 Resp: 18194
Ion Ratio Lower Upper
106 100
91 215.4 105.7 317.1





#71

Bromoform

Concen: 2.808 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampleId :

51065

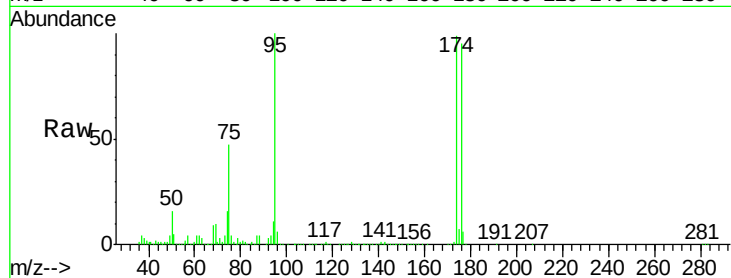
Tot Ion:173 Resp: 6590

Ion Ratio Lower Upper

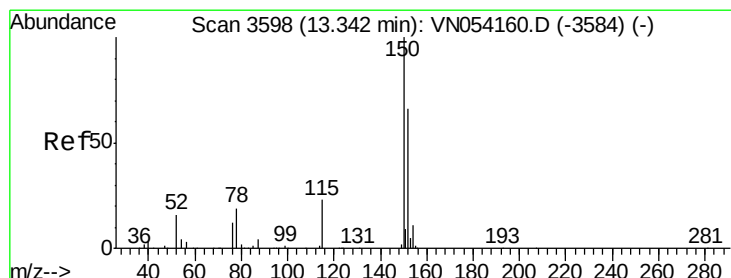
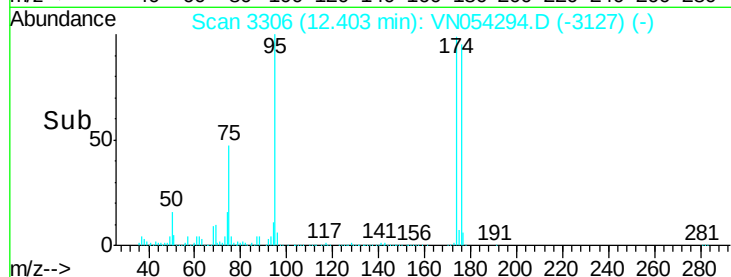
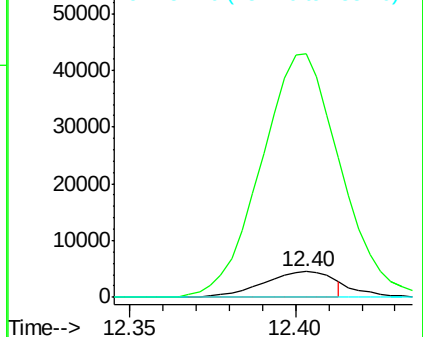
173 100

175 943.6 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: VN054294.D

Acq: 15 Mar 2019 6:50

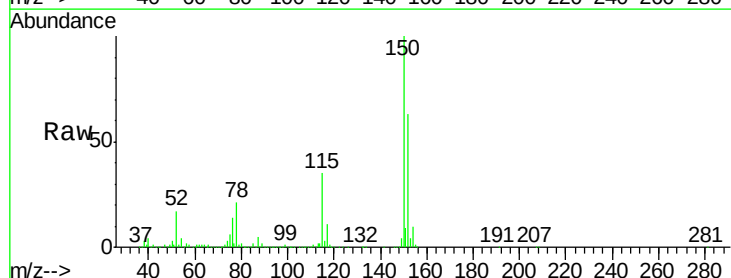
Tgt Ion:152 Resp: 981289

Ion Ratio Lower Upper

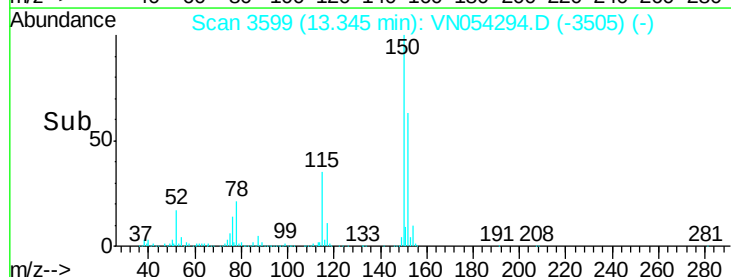
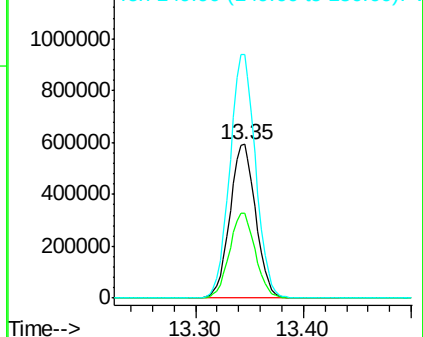
152 100

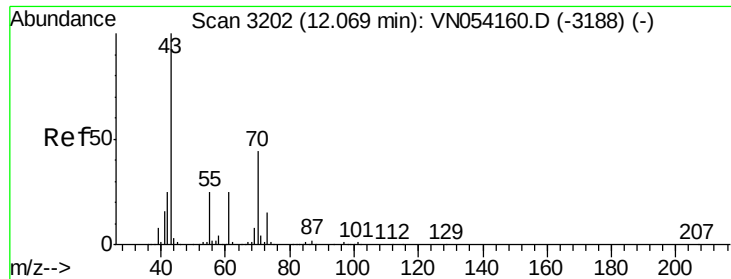
115 55.2 27.2 81.6

150 158.0 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





#74

N-amvl acetate

Concen: 1.346 ug/l

RT: 12.00 min Scan# 3181

Delta R.T. -0.07 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

Tot Ion: 43 Resp: 23458

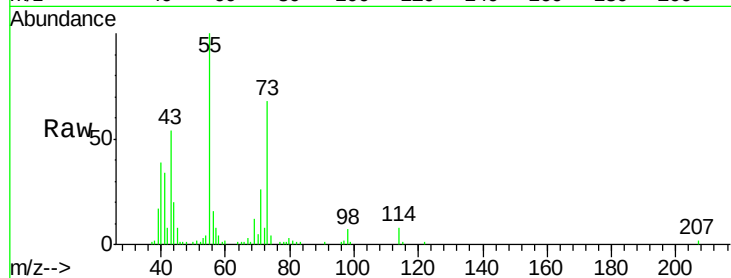
Ion Ratio Lower Upper

43 100

70 8.2 35.4 53.0#

55 152.8 19.8 29.6#

61 0.0 19.8 29.6#

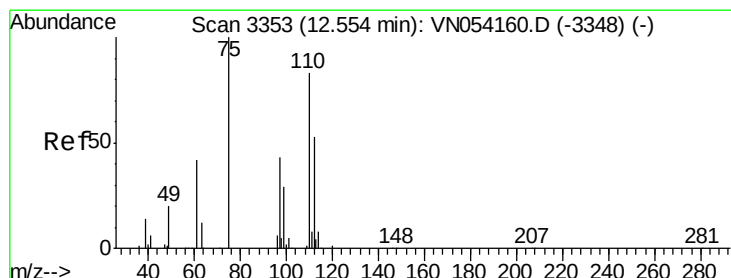
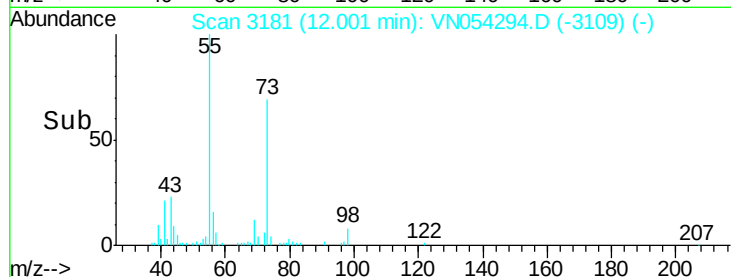
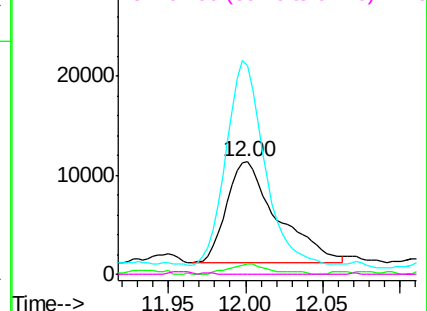


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 34.098 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054294.D

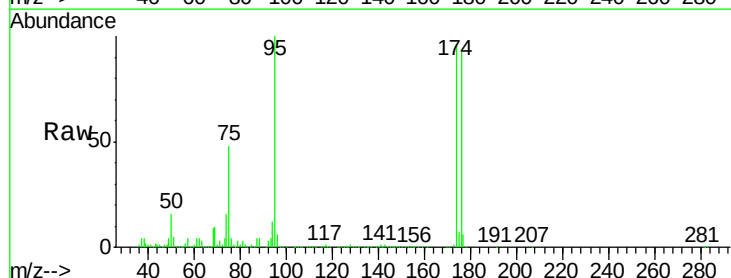
Acq: 15 Mar 2019 6:50

Tgt Ion: 75 Resp: 492038

Ion Ratio Lower Upper

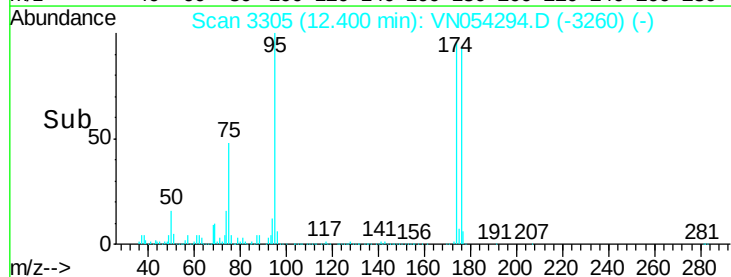
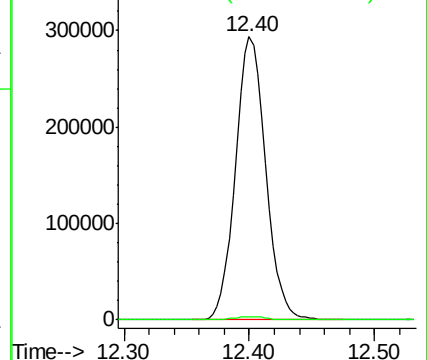
75 100

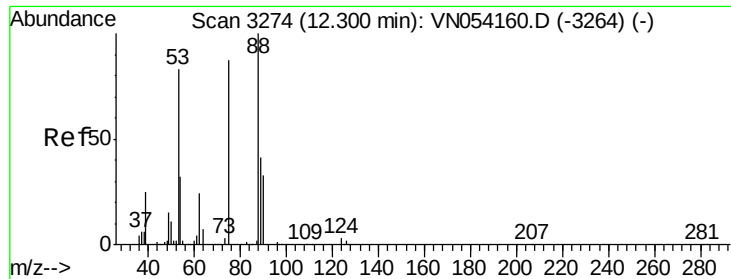
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 116.561 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampleId :

51065

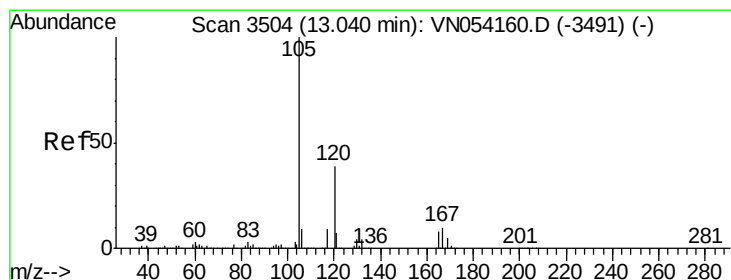
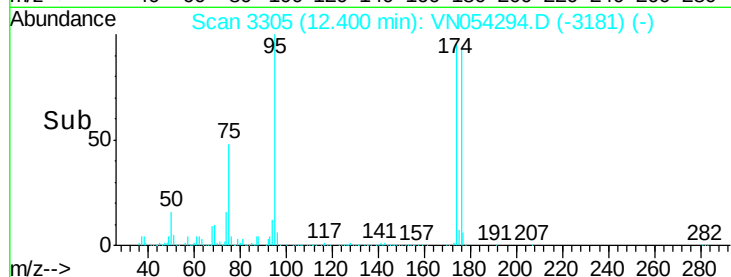
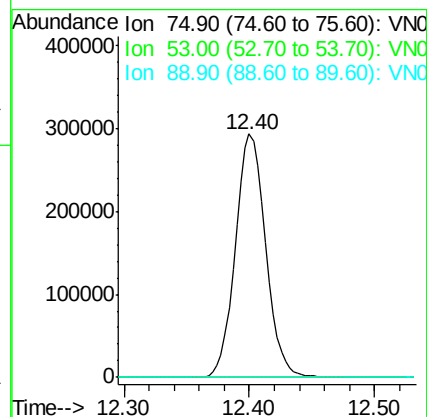
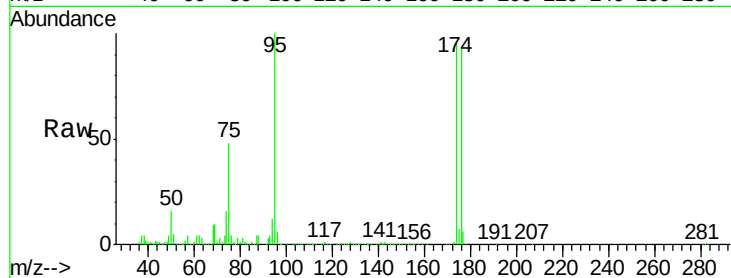
Tot Ion: 75 Resp: 492038

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 39.2 58.8#



#84

1,2,4-Trimethylbenzene

Concen: 0.267 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054294.D

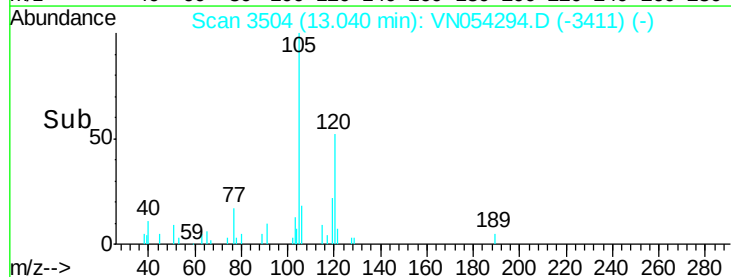
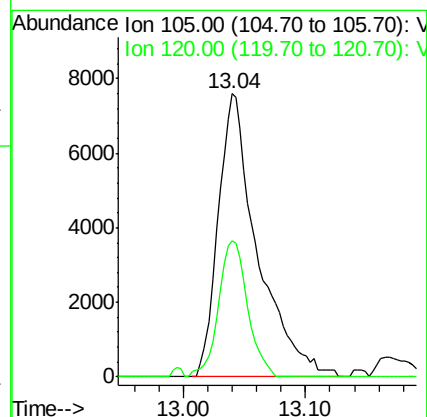
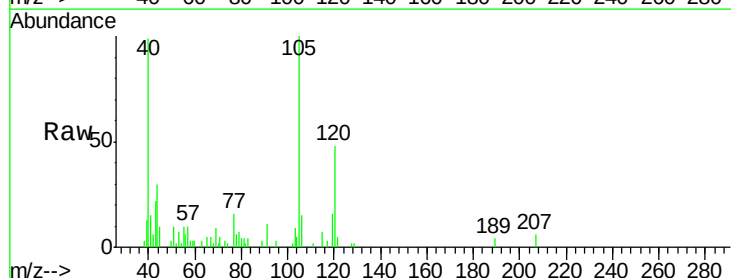
Acq: 15 Mar 2019 6:50

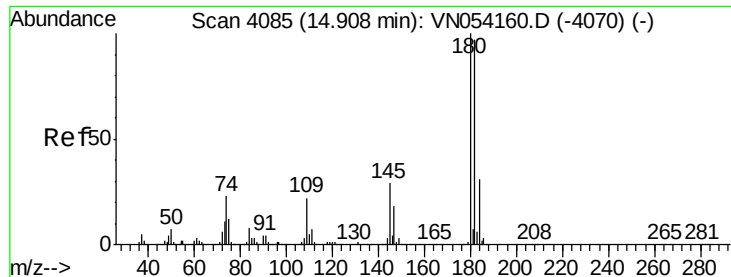
Tgt Ion: 105 Resp: 17083

Ion Ratio Lower Upper

105 100

120 35.9 23.4 70.3





#93

1,2,4-Trichlorobenzene

Concen: 2.534 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

Instrument :

MSVOA_N

ClientSampled :

51065

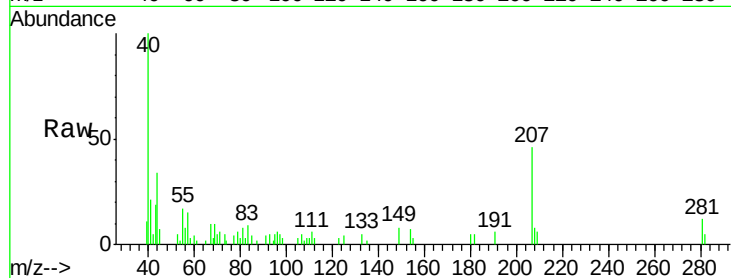
Tot Ion:180 Resp: 383

Ion Ratio Lower Upper

180 100

182 73.6 48.0 144.2

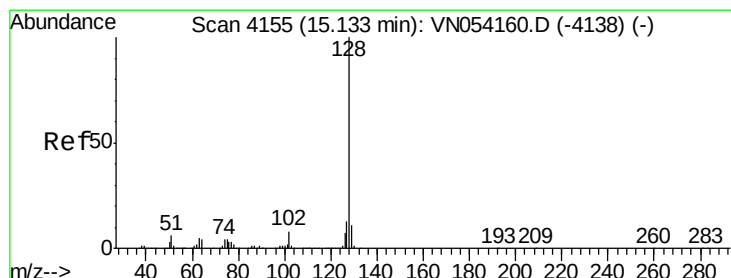
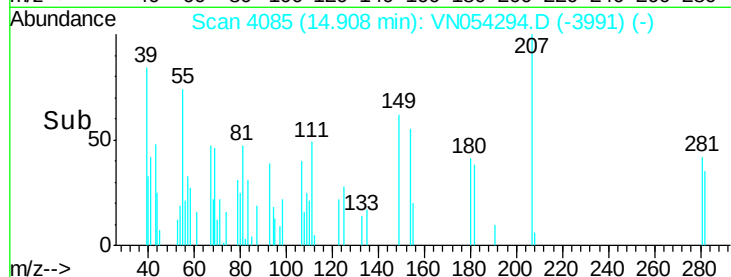
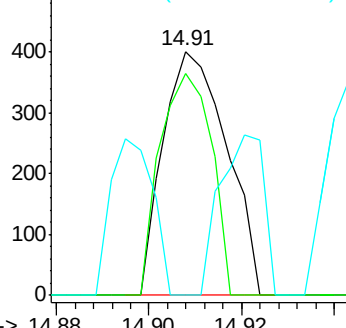
145 45.2 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.895 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054294.D

Acq: 15 Mar 2019 6:50

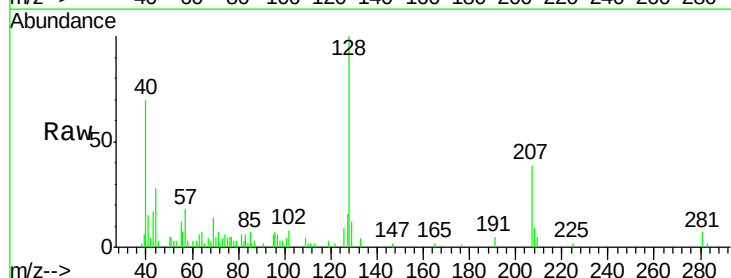
Tgt Ion:128 Resp: 19647

Ion Ratio Lower Upper

128 100

127 10.5 10.1 15.1

129 15.3 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

