

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054296.D
 Acq On : 15 Mar 2019 7:45
 Operator : JC/SP
 Sample : K1902-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30301

Quant Time: Mar 15 08:30:34 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	7.66	168	1424749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2422461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2580174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1252515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	763939	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.59	113	733937	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	10.09	98	3008670	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	1223893	60.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.24%	

Target Compounds

					Qvalue
10) Methyl Iodide	3.97	142	90	1.501	ug/l # 8
11) Tert butyl alcohol	4.82	59	8437	8.134	ug/l # 70
13) Acrolein	3.61	56	56262	57.240	ug/l 98
14) Allyl chloride	4.09	41	154036	8.111	ug/l # 71
16) Acetone	3.82	43	19255141	4444.538	ug/l 99
17) Carbon Disulfide	4.05	76	36411	0.981	ug/l 95
18) Methyl Acetate	4.33	43	227857	25.996	ug/l 99
20) Methylene Chloride	4.54	84	13465	0.947	ug/l 89
22) Diisopropyl ether	6.06	45	34192	0.902	ug/l # 1
23) Vinyl Acetate	6.06	43	84632	3.028	ug/l # 70
24) 1,1-Dichloroethane	5.85	63	6355	0.261	ug/l # 83
25) 2-Butanone	6.84	43	1184562	232.961	ug/l 99
29) Tetrahydrofuran	7.21	42	6787	2.076	ug/l # 20
31) Cyclohexane	7.67	56	20529	Below Cal	# 1
37) Ethyl Acetate	6.94	43	1651889	128.869	ug/l 97
38) Carbon Tetrachloride	7.66	117	117229	5.011	ug/l # 16
40) Benzene	8.04	78	13423	0.210	ug/l 98
41) Methacrylonitrile	7.21	41	21259	2.905	ug/l # 38
43) Isopropyl Acetate	8.17	43	5672	0.252	ug/l # 83
44) Trichloroethene	8.83	130	7309	0.369	ug/l 51
48) Methyl methacrylate	9.17	41	31152	2.728	ug/l # 38
49) 1,4-Dioxane	9.20	88	2320	14.364	ug/l # 27
51) 4-Methyl-2-Pentanone	9.99	43	505979	42.494	ug/l # 82
52) Toluene	10.16	92	234232	5.787	ug/l 99
53) t-1,3-Dichloropropene	10.37	75	187	1.993	ug/l # 42
56) Ethyl methacrylate	10.43	69	3692	0.209	ug/l # 27
58) 2-Chloroethyl Vinyl ether	9.63	63	654	16.908	ug/l 98
59) 2-Hexanone	10.72	43	1836796	231.834	ug/l # 23
60) Dibromochloromethane	10.63	129	70382	4.231	ug/l # 11
64) Tetrachloroethene	10.63	164	81786	3.278	ug/l 100
67) Ethyl Benzene	11.51	91	881020	9.381	ug/l 100
68) m/p-Xylenes	11.62	106	1756971	47.867	ug/l 99
69) o-Xylene	11.95	106	1234843	34.510	ug/l 99
70) Styrene	11.95	104	62956	1.122	ug/l # 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

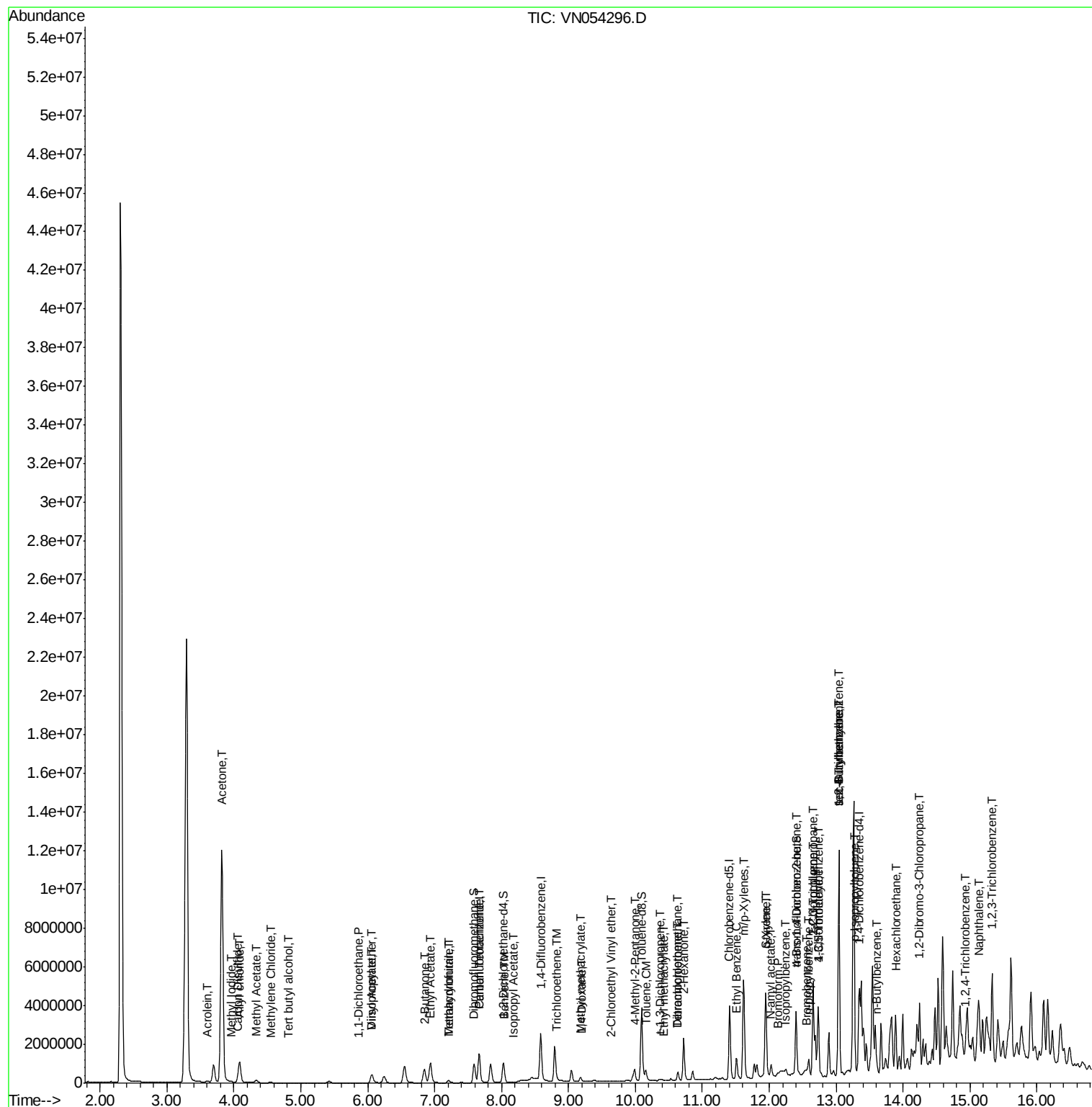
71) Bromoform	12.13	173	308	2.369	ug/l #	28
73) Isopropylbenzene	12.25	105	155783	1.555	ug/l	98
74) N-amyl acetate	12.03	43	357773	16.085	ug/l #	45
76) 1,2,3-Trichloropropane	12.65	75	23953	1.300	ug/l #	100
77) Bromobenzene	12.54	156	330313	12.457	ug/l #	1
78) n-propylbenzene	12.59	91	623092	5.730	ug/l	99
79) 2-Chlorotoluene	12.65	91	352346	5.389	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	1623523	19.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	568576	105.525	ug/l #	11
82) 4-Chlorotoluene	12.73	91	162454	2.488	ug/l #	39
83) tert-Butylbenzene	13.04	119	889539	11.594	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	7022760	85.881	ug/l	100
85) sec-Butylbenzene	13.04	105	7022760	70.583	ug/l #	55
86) p-Isopropyltoluene	13.29	119	117070	1.341	ug/l	97
89) n-Butylbenzene	13.61	91	204267	3.080	ug/l #	66
90) Hexachloroethane	13.89	117	136546	9.447	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12001	3.633	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	562	2.537	ug/l #	1
95) Naphthalene	15.13	128	2344005	43.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.34	180	11918	0.514	ug/l #	1

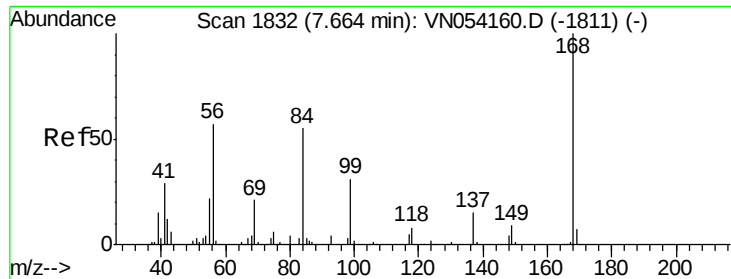
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

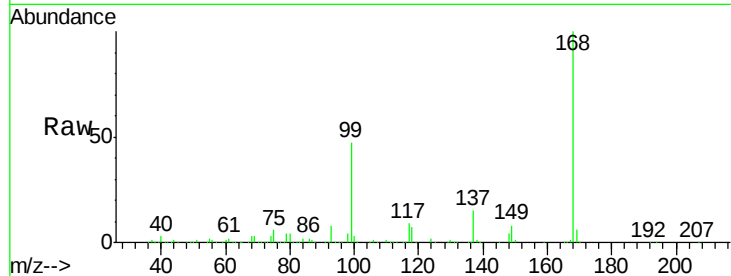
30301

Tot Ion:168 Resp: 1424749

Ion Ratio Lower Upper

168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

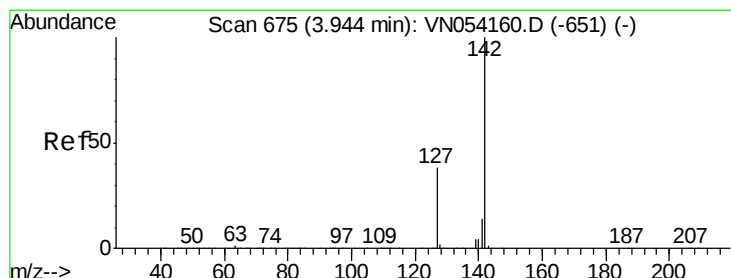
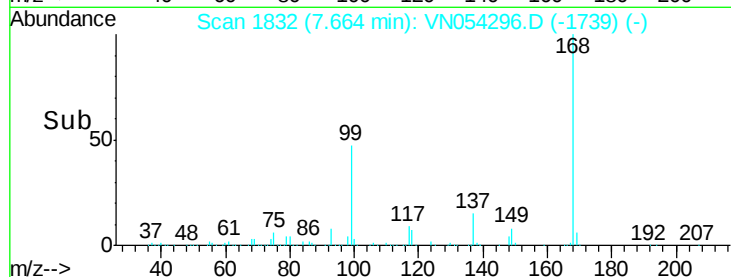
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.501 ug/l

RT: 3.97 min Scan# 682

Delta R.T. 0.02 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

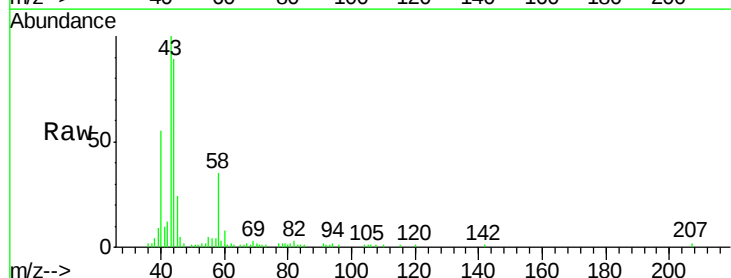
Tgt Ion:142 Resp: 90

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 83.3 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.97

250

200

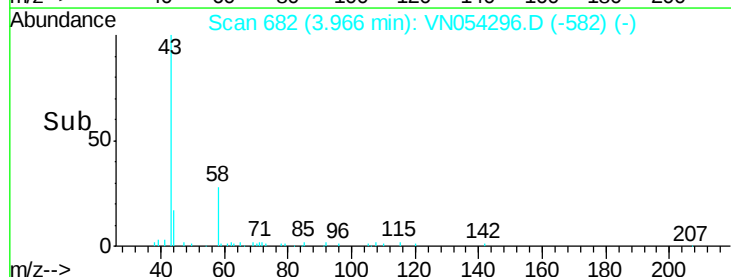
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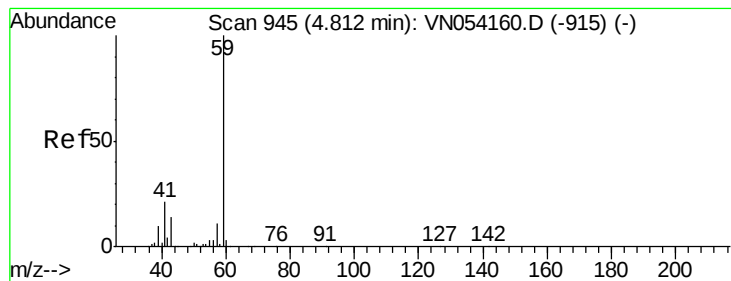
100

50

0

Time--> 3.95 3.96 3.97 3.98



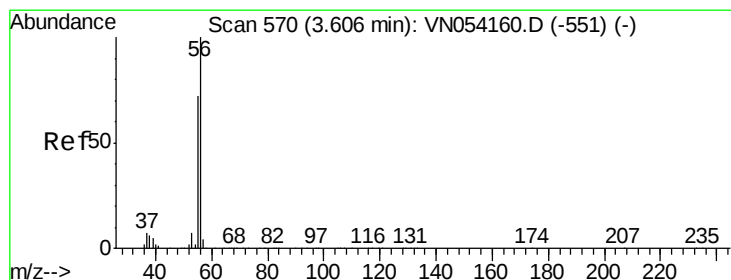
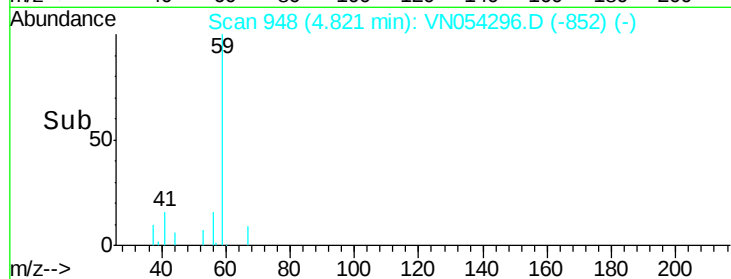
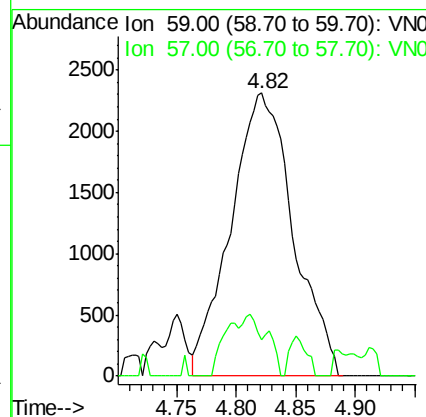
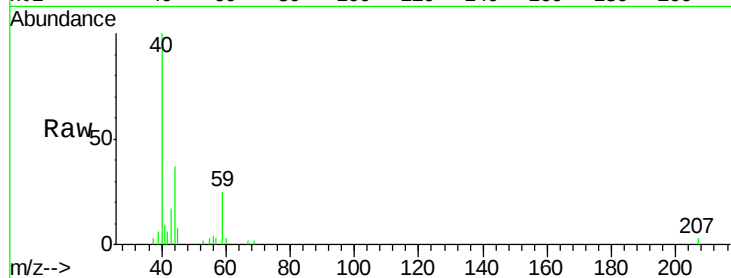


#11

Tert butyl alcohol
 Concen: 8.134 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Instrument :
 MSVOA_N
 ClientSampled :
 30301

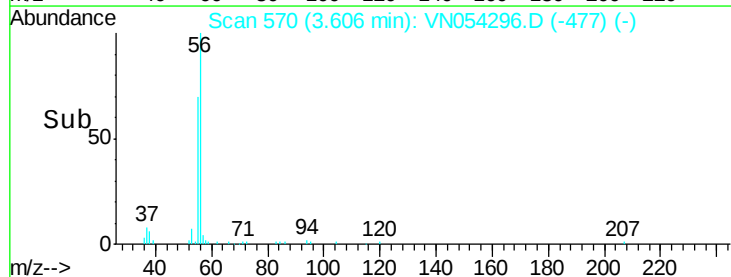
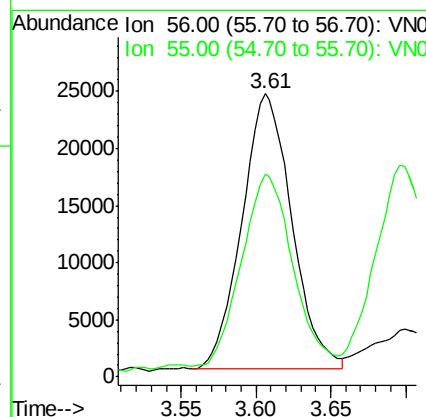
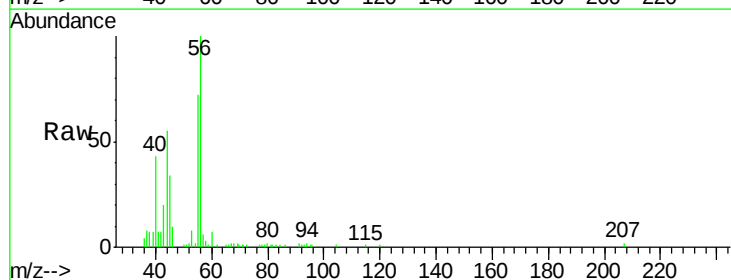
Tot Ion: 59 Resp: 8437
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

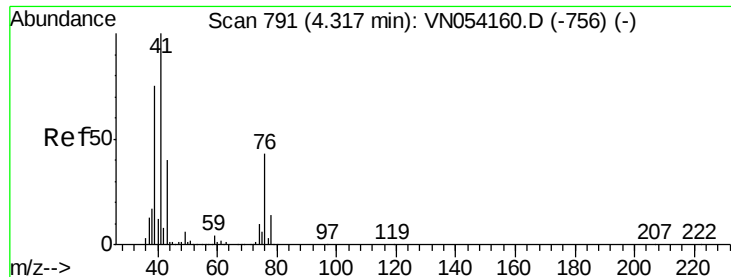


#13

Acrolein
 Concen: 57.240 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Tgt Ion: 56 Resp: 56262
 Ion Ratio Lower Upper
 56 100
 55 69.6 56.7 85.1





#14

Allvl chloride

Concen: 8.111 ug/l

RT: 4.09 min Scan# 719

Delta R.T. -0.23 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

30301

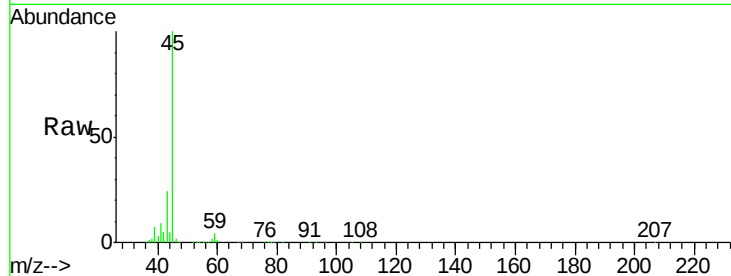
Tot Ion: 41 Resp: 154036

Ion Ratio Lower Upper

41 100

39 81.3 58.2 87.4

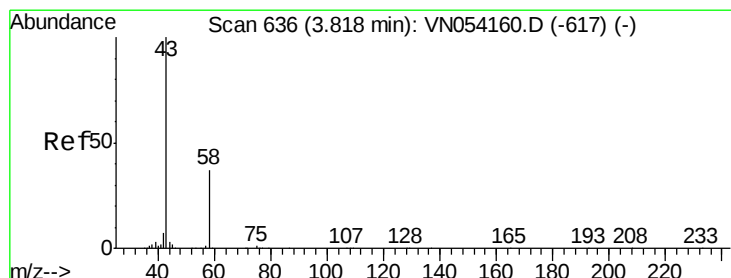
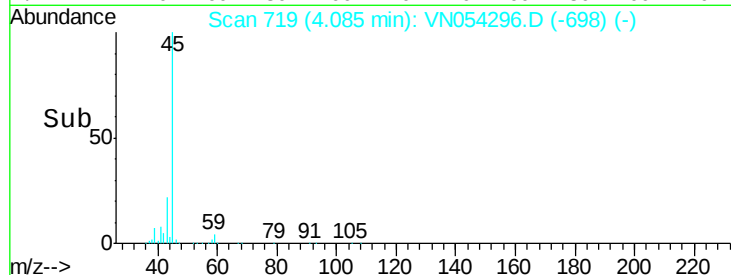
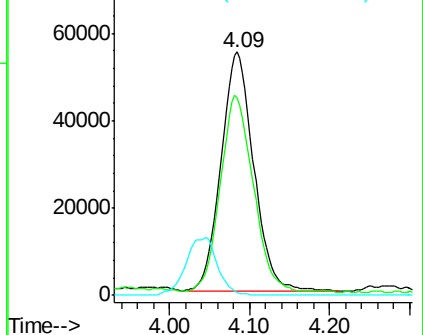
76 0.0 31.7 47.5#



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: 4444.538 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054296.D

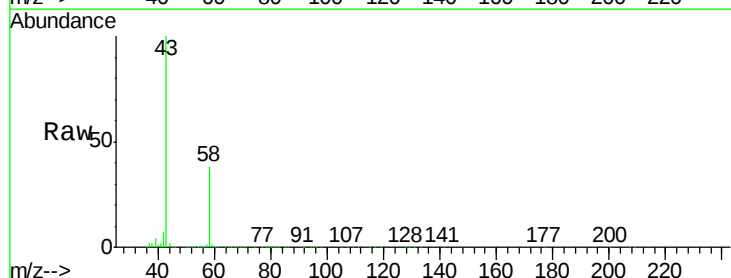
Acq: 15 Mar 2019 7:45

Tgt Ion: 43 Resp: 19255141

Ion Ratio Lower Upper

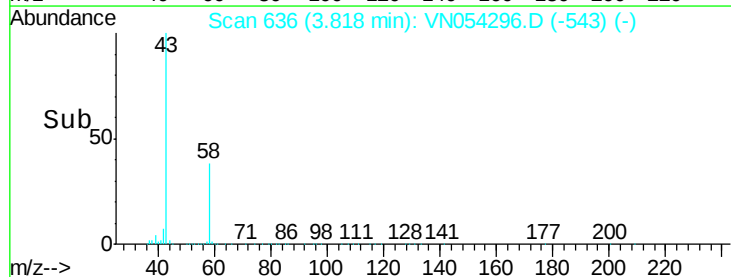
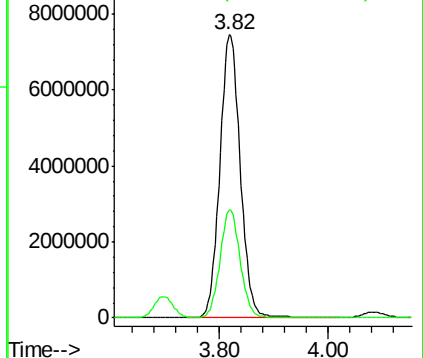
43 100

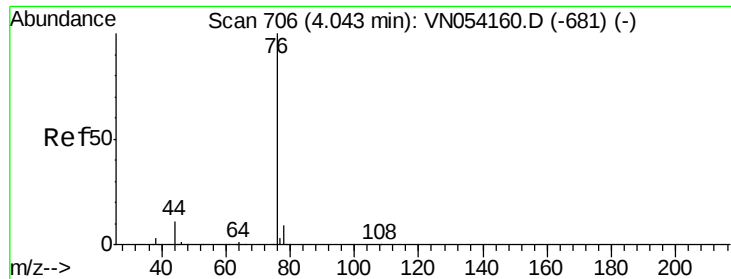
58 38.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

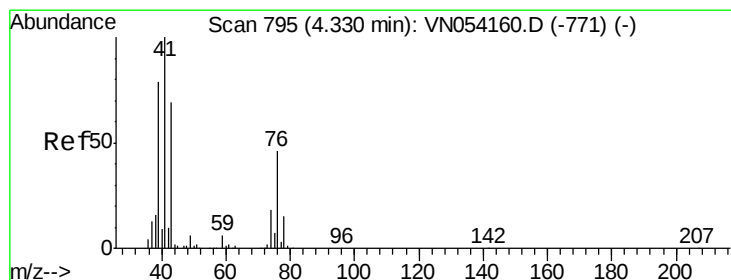
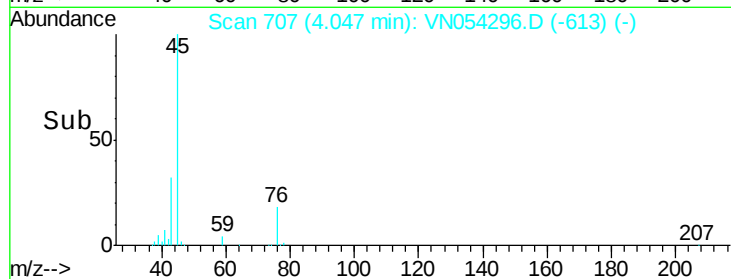
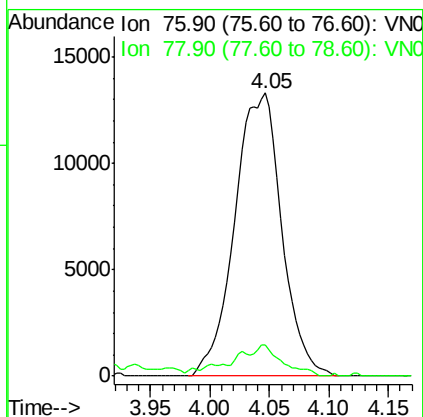
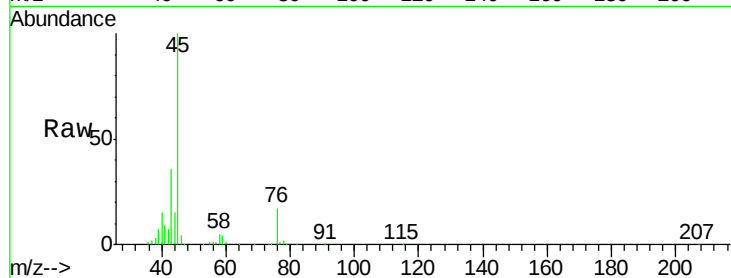




#17
Carbon Disulfide
Concen: 0.981 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

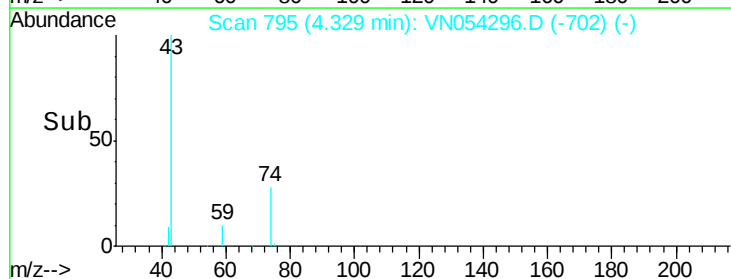
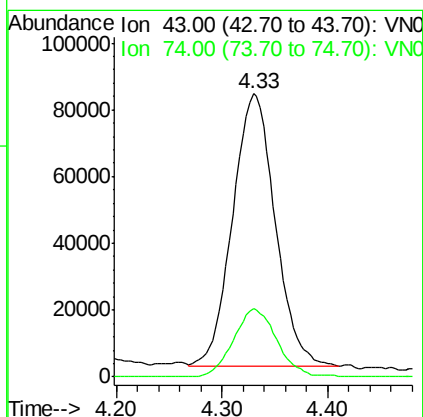
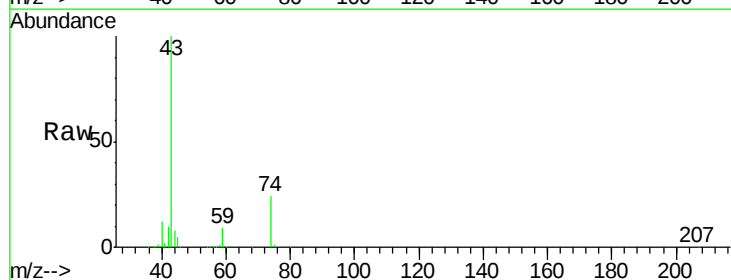
Instrument :
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ClientSampled :
30301

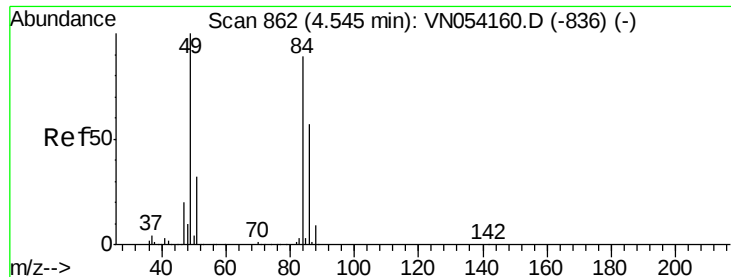
Tot Ion: 76 Resp: 36411
Ion Ratio Lower Upper
76 100
78 11.2 7.5 11.3



#18
Methyl Acetate
Concen: 25.996 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 43 Resp: 227857
Ion Ratio Lower Upper
43 100
74 25.4 20.8 31.2





#20

Methvlene Chloride

Concen: 0.947 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

30301

Tot Ion: 84 Resp: 13465

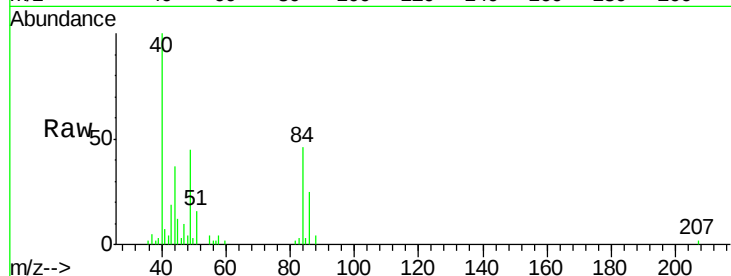
Ion Ratio Lower Upper

84 100

49 98.0 89.7 134.5

51 34.6 28.2 42.4

86 54.1 50.8 76.2

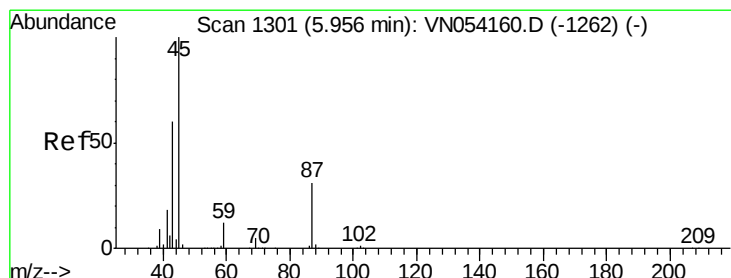
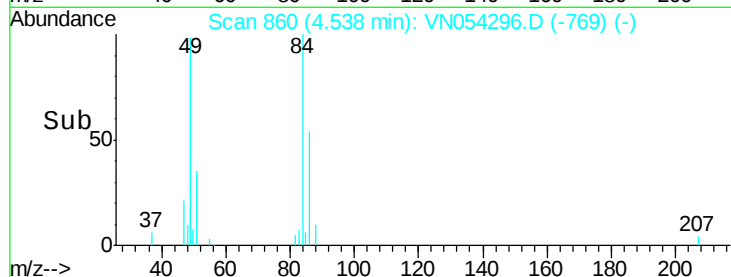
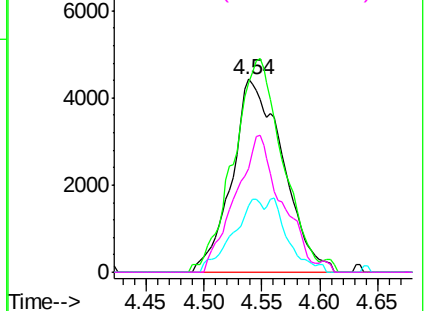


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

Diisopropyl ether

Concen: 0.902 ug/l

RT: 6.06 min Scan# 1333

Delta R.T. 0.10 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Tgt Ion: 45 Resp: 34192

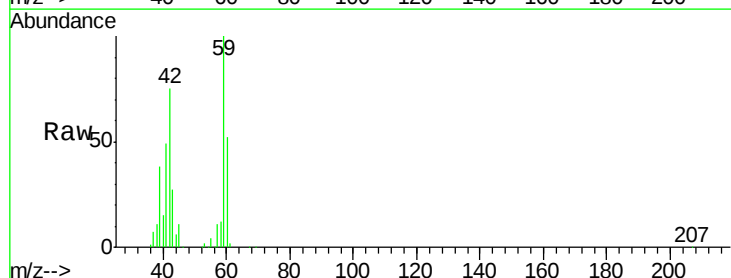
Ion Ratio Lower Upper

45 100

43 241.7 48.2 72.2#

87 0.0 24.9 37.3#

59 919.6 9.5 14.3#

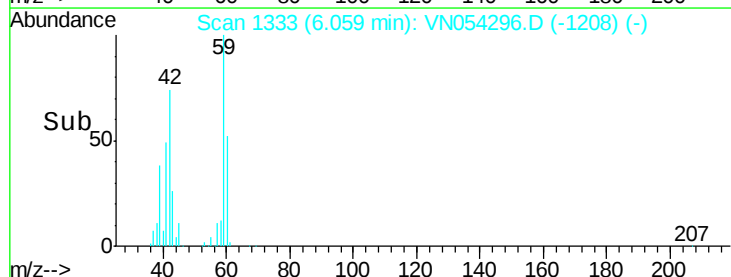
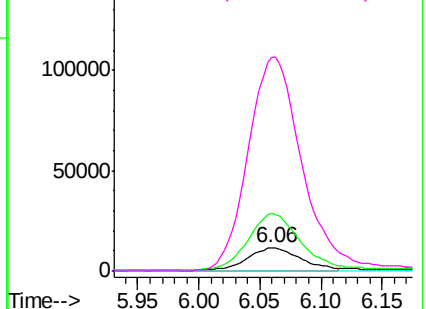


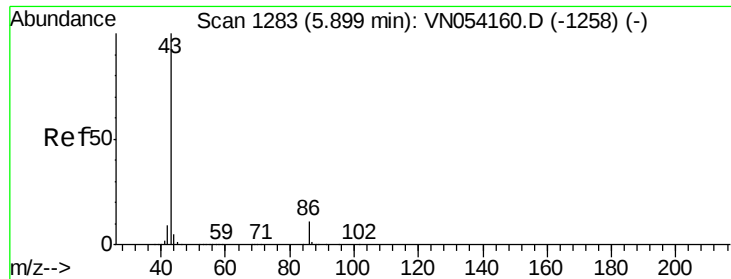
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

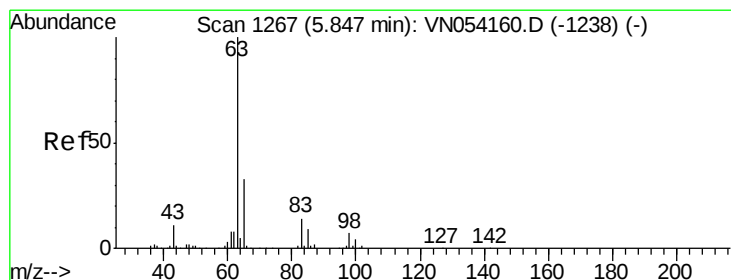
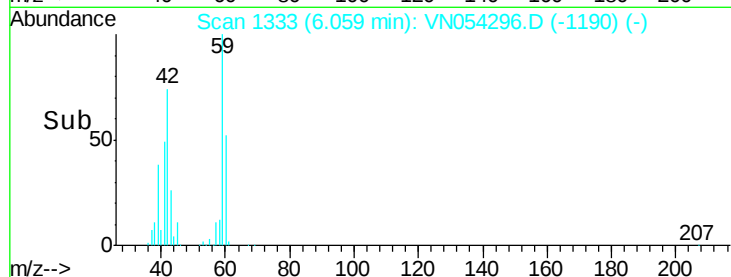
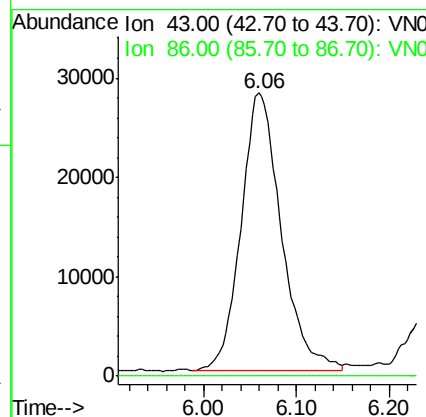
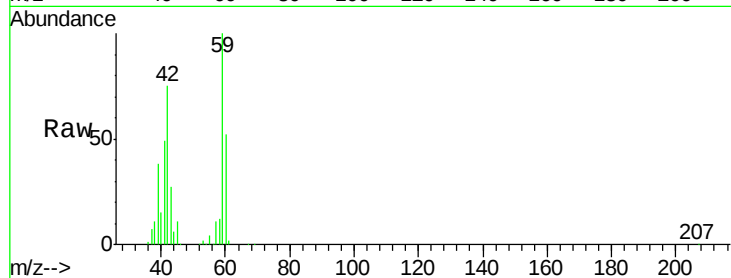




#23
 Vinyl Acetate
 Concen: 3.028 ug/l
 RT: 6.06 min Scan# 1333
 Delta R.T. 0.16 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

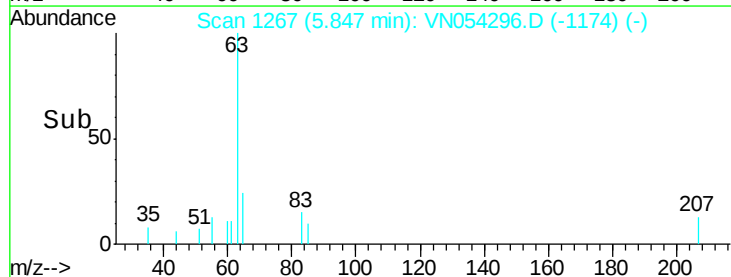
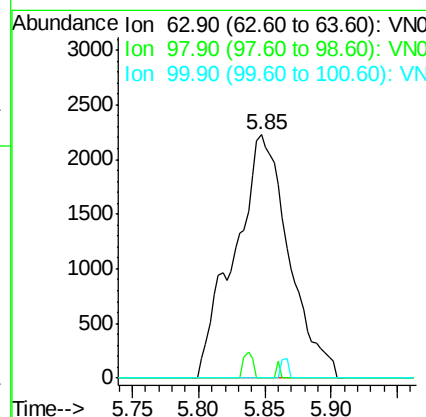
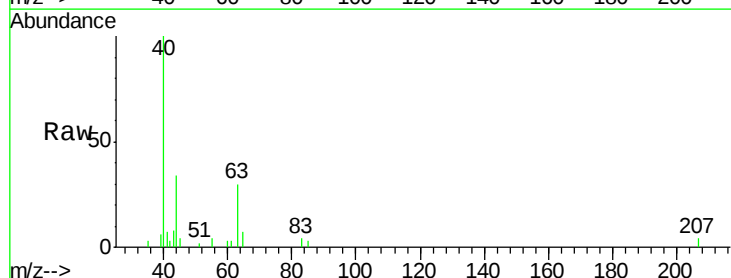
Instrument :
 MSVOA_N
 ClientSampleId :
 30301

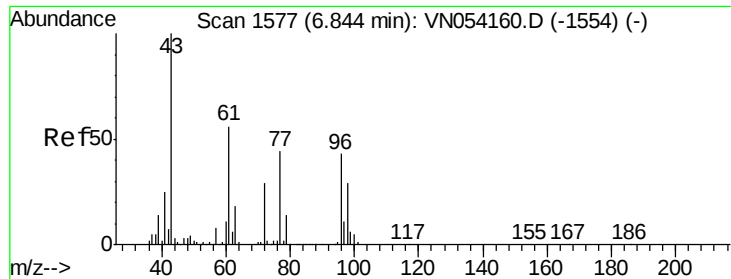
Tot Ion: 43 Resp: 84632
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 0.261 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Tgt Ion: 63 Resp: 6355
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.5#
 100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 232.961 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

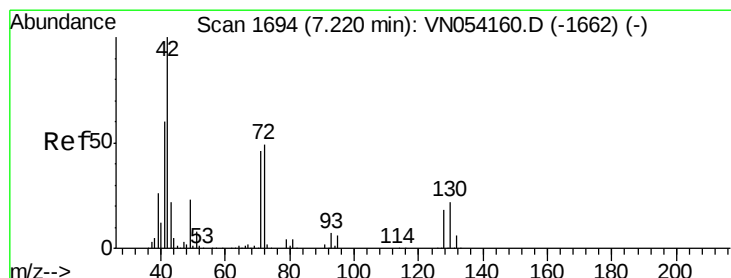
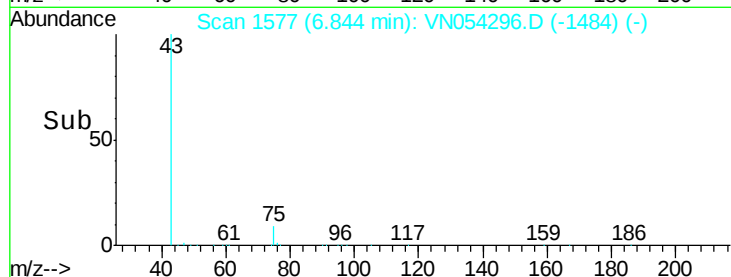
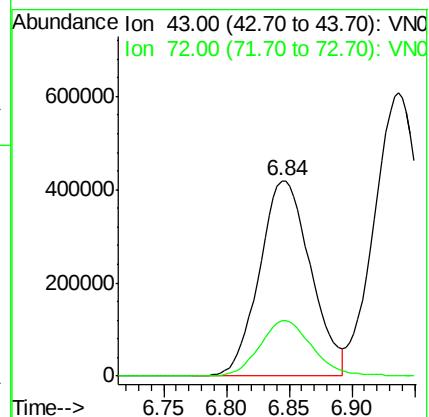
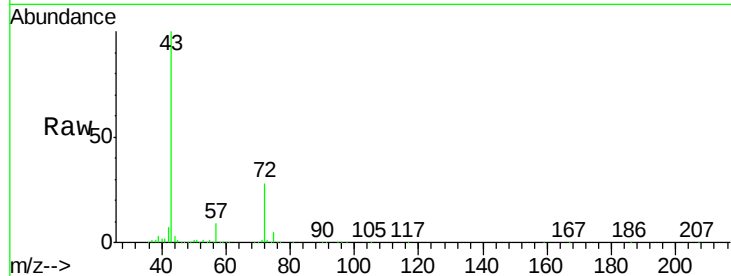
30301

Tot Ion: 43 Resp: 1184562

Ion Ratio Lower Upper

43 100

72 28.4 23.0 34.6



#29

Tetrahydrofuran

Concen: 2.076 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

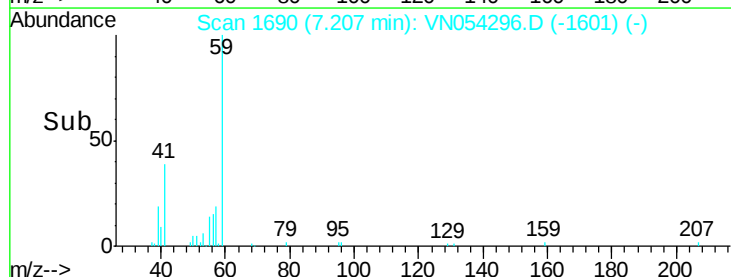
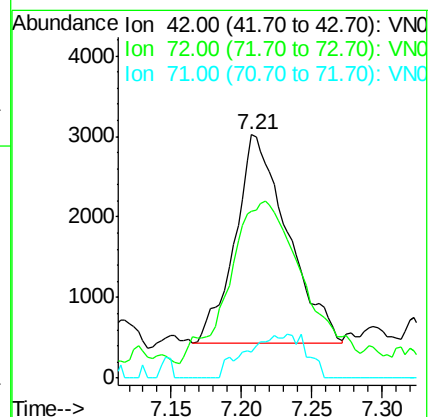
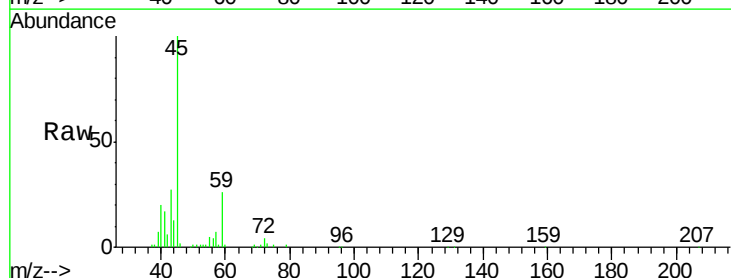
Tgt Ion: 42 Resp: 6787

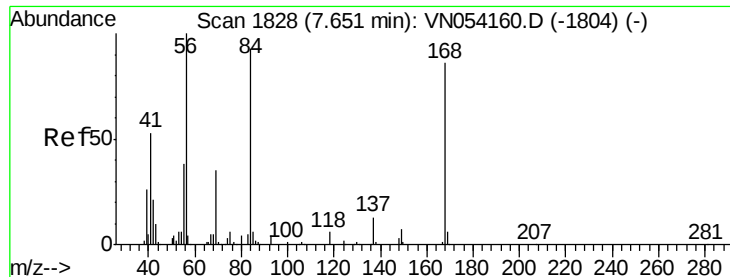
Ion Ratio Lower Upper

42 100

72 107.5 37.8 56.6#

71 0.0 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

30301

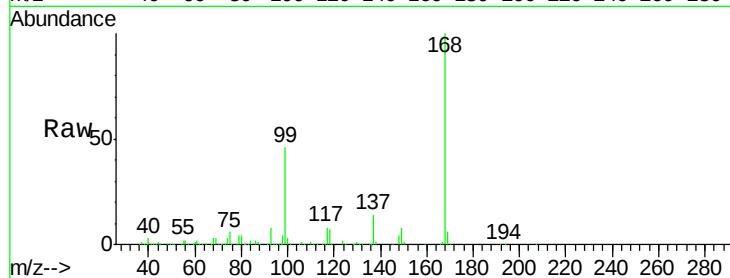
Tot Ion: 56 Resp: 20529

Ion Ratio Lower Upper

56 100

69 183.9 27.8 41.6#

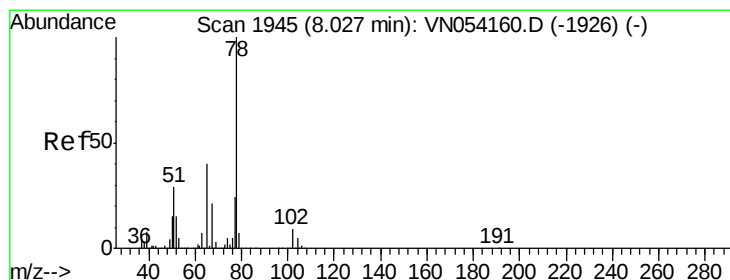
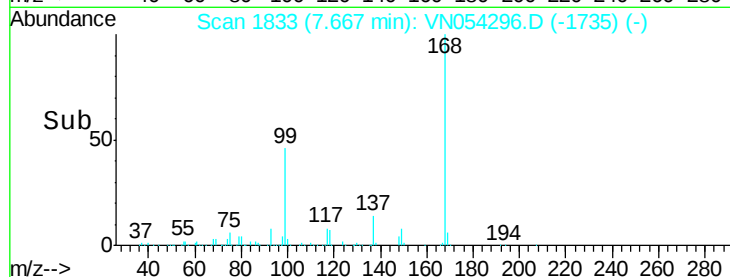
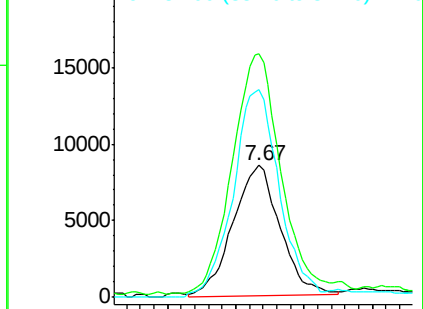
84 157.3 74.6 111.8#



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: 50.489 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054296.D

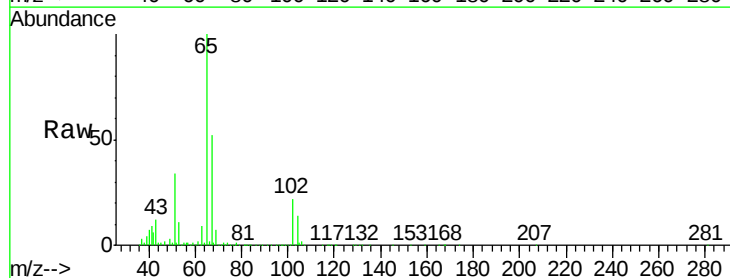
Acq: 15 Mar 2019 7:45

Tgt Ion: 65 Resp: 763939

Ion Ratio Lower Upper

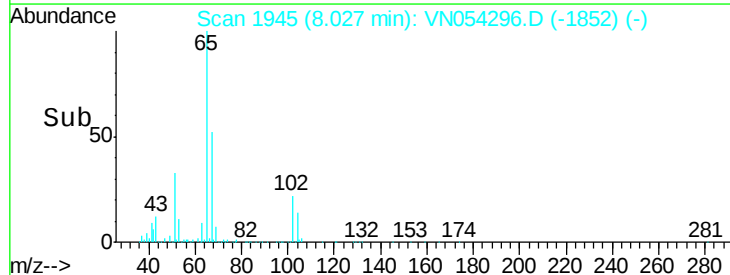
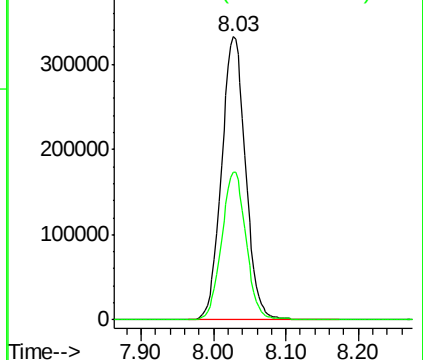
65 100

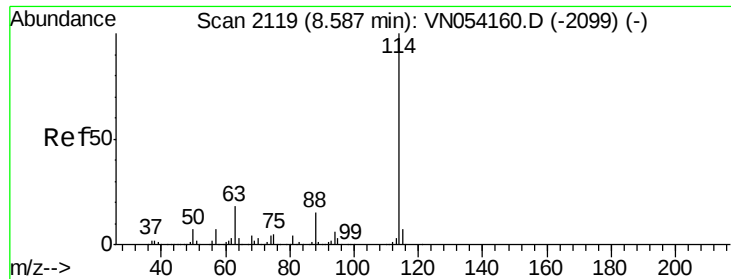
67 52.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

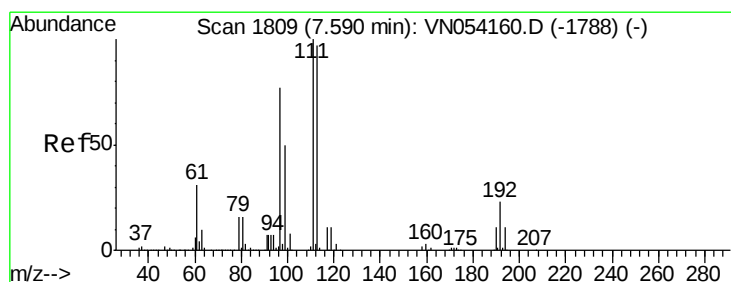
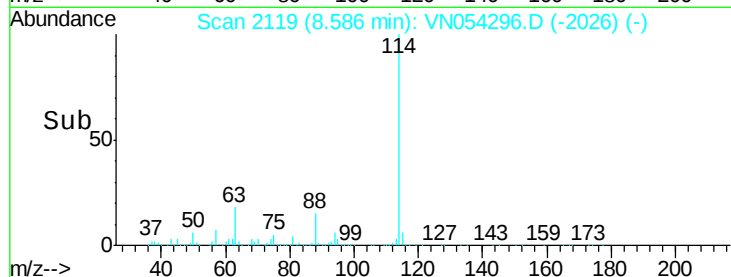
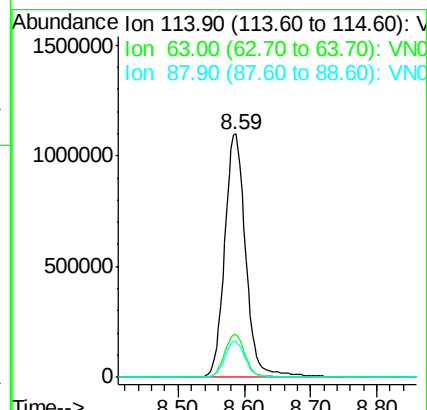
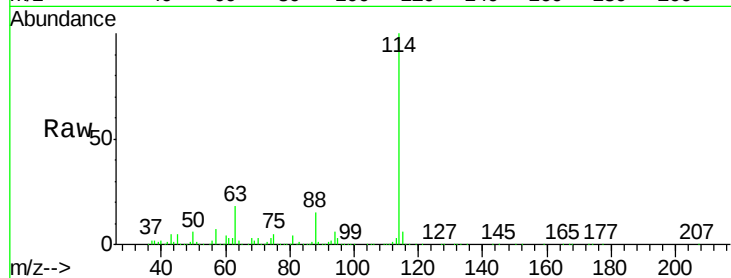




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

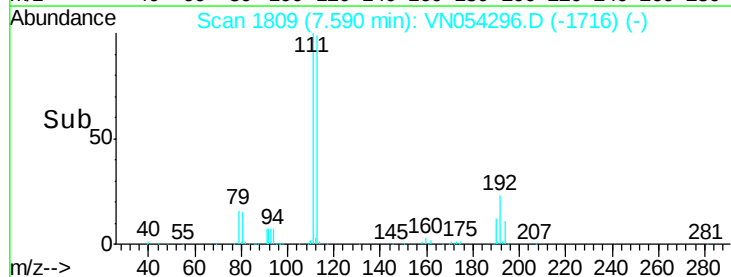
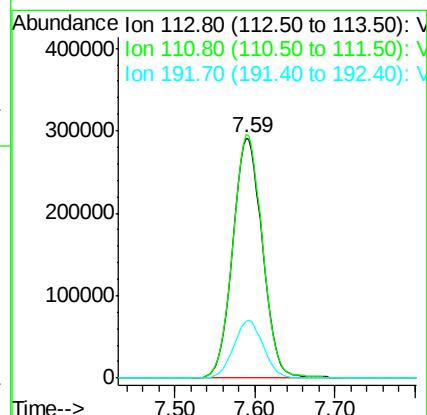
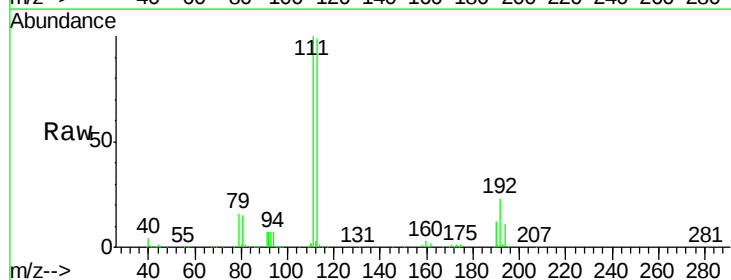
Instrument :
 MSVOA_N
 ClientSampleId :
 30301

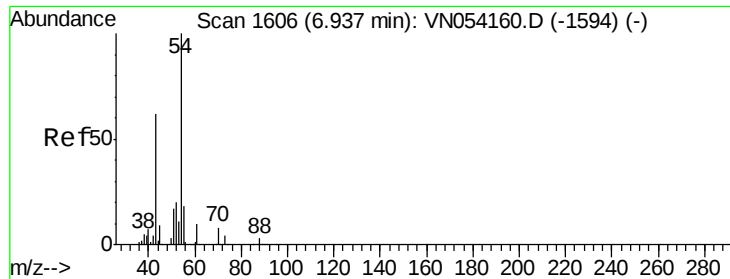
Tot Ion:114 Resp: 2422461
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.7 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 46.975 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Tgt Ion:113 Resp: 733937
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.4
 192 23.9 19.2 28.8

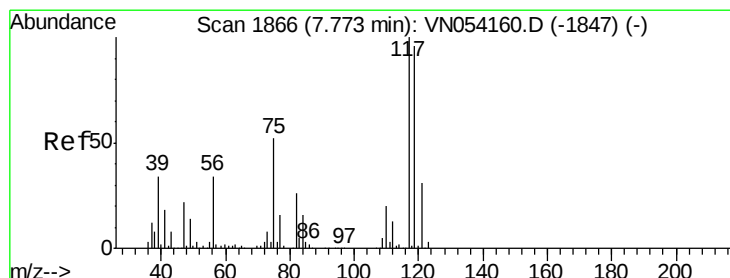
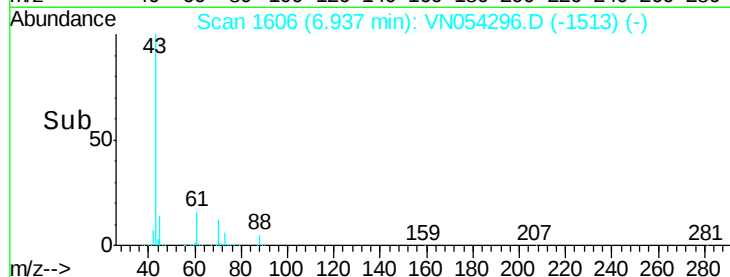
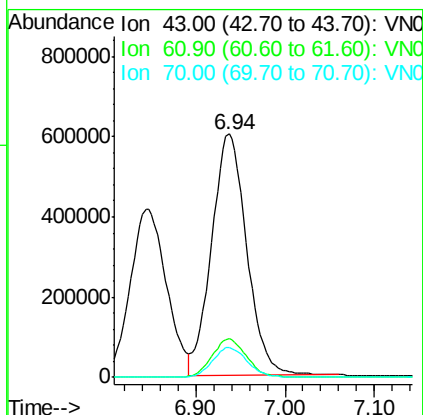
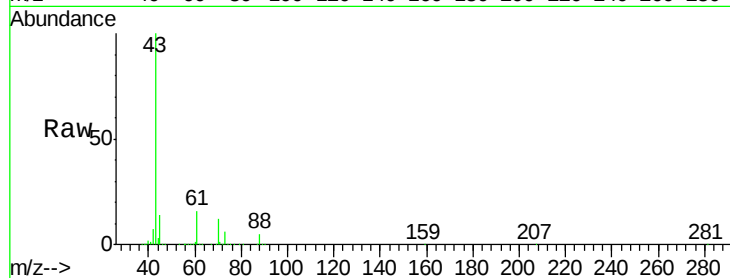




#37
Ethyl Acetate
Concen: 128.869 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

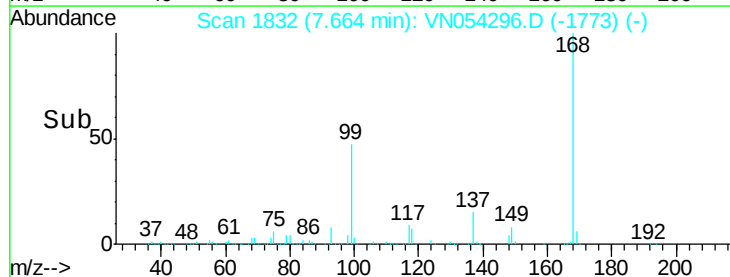
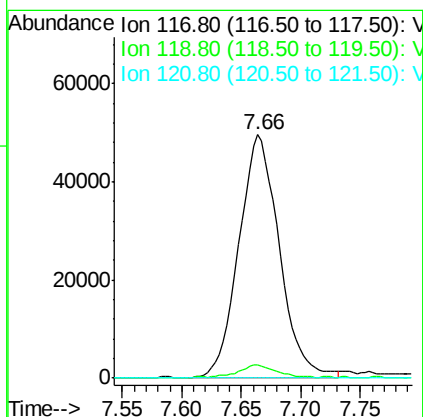
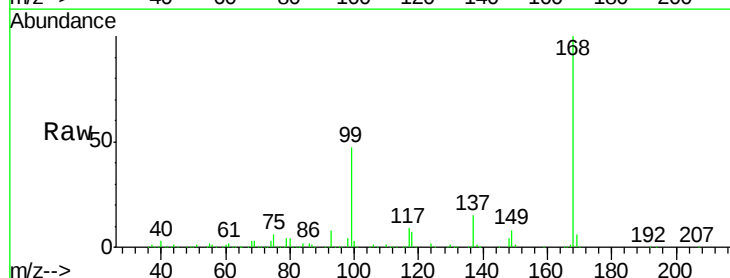
Instrument :
MSVOA_N
ClientSampled :
30301

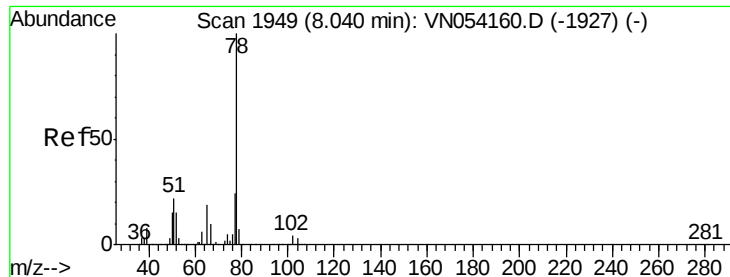
Tot Ion: 43 Resp: 1651889
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 12.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 117 Resp: 117229
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 24.6 36.8#





#40

Benzene

Concen: 0.210 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

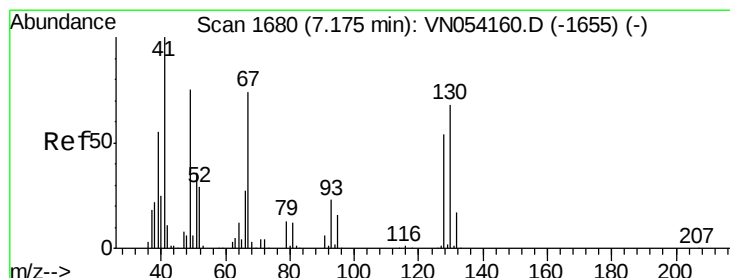
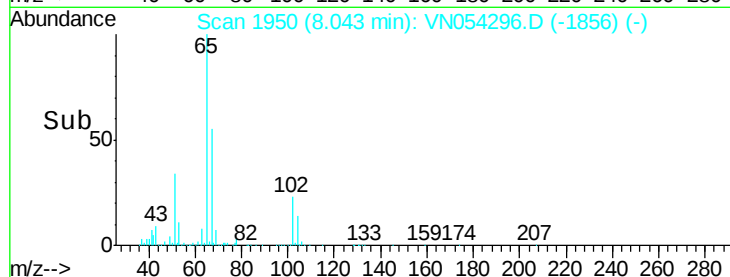
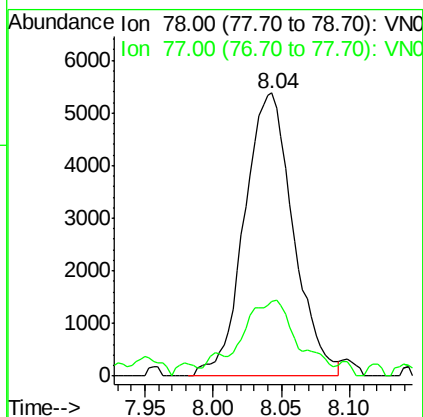
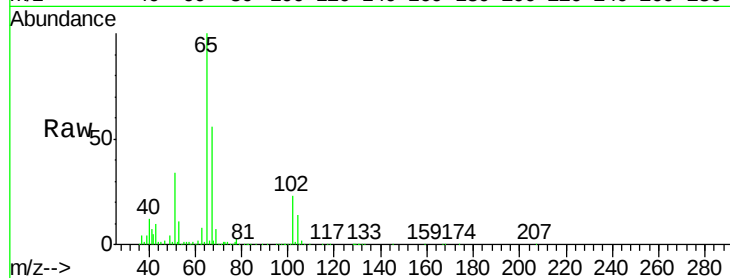
30301

Tot Ion: 78 Resp: 13423

Ion Ratio Lower Upper

78 100

77 22.7 19.1 28.7



#41

Methacrylonitrile

Concen: 2.905 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.04 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Tgt Ion: 41 Resp: 21259

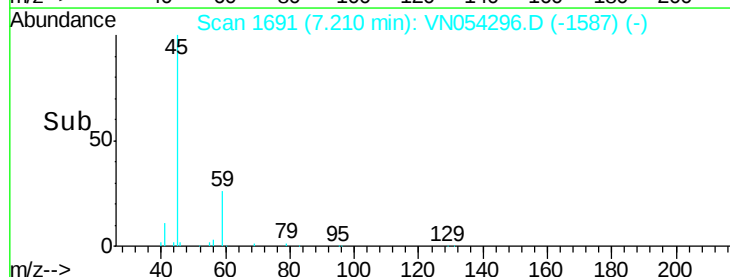
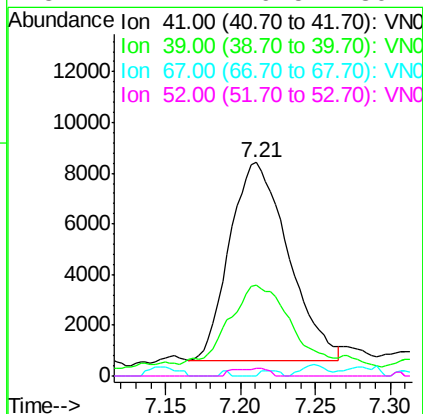
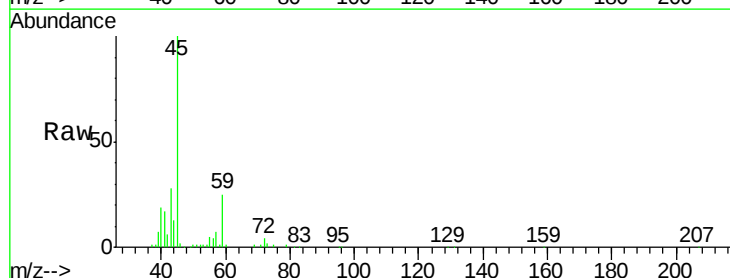
Ion Ratio Lower Upper

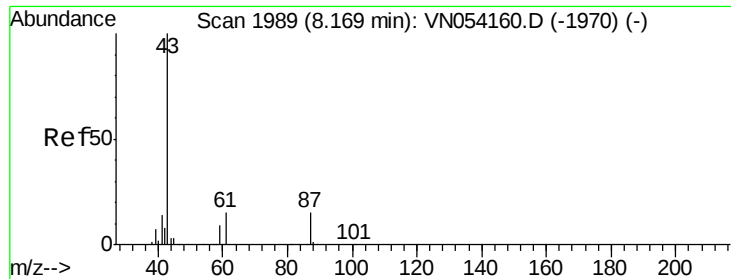
41 100

39 40.3 46.8 70.2#

67 0.8 67.0 100.4#

52 2.2 26.5 39.7#

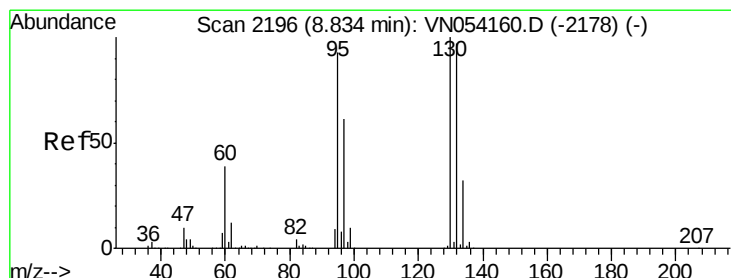
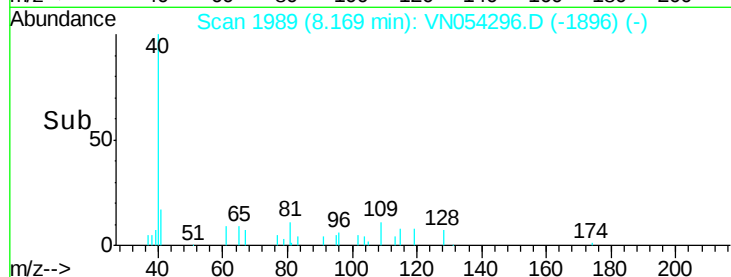
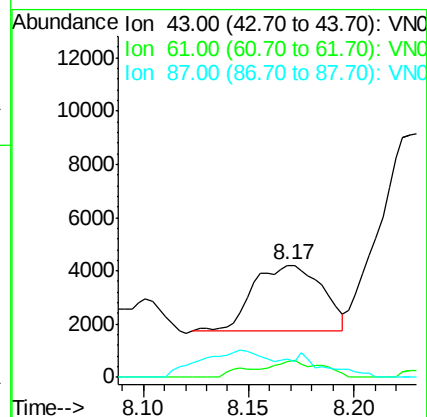
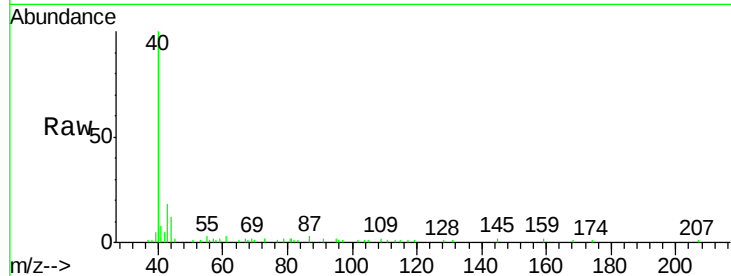




#43
Isopropyl Acetate
Concen: 0.252 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

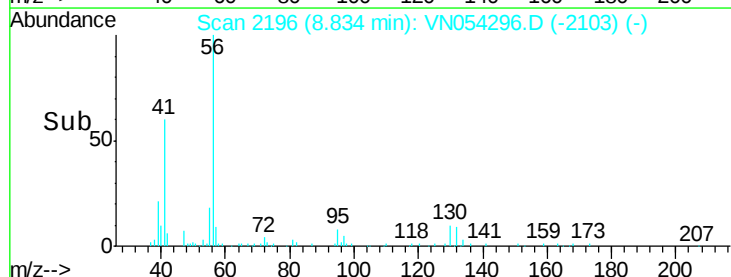
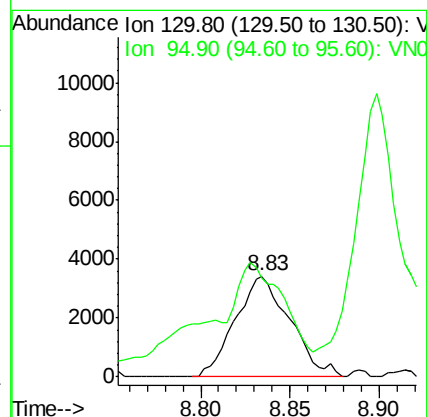
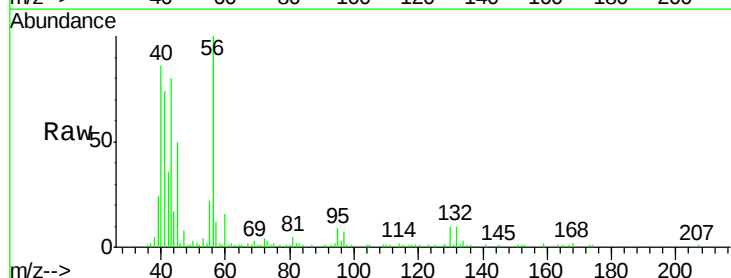
Instrument :
MSVOA_N
ClientSampled :
30301

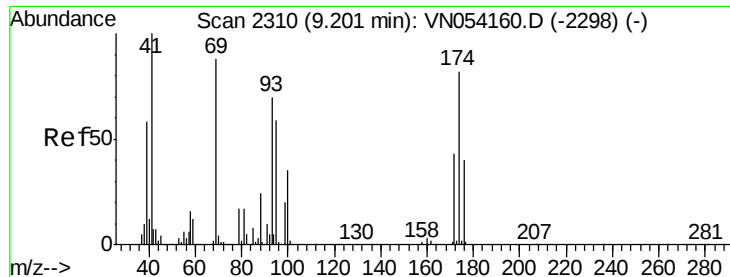
Tot Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
61 18.5 15.8 23.8
87 0.0 12.0 18.0#



#44
Trichloroethene
Concen: 0.369 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 130 Resp: 7309
Ion Ratio Lower Upper
130 100
95 45.6 0.0 185.2

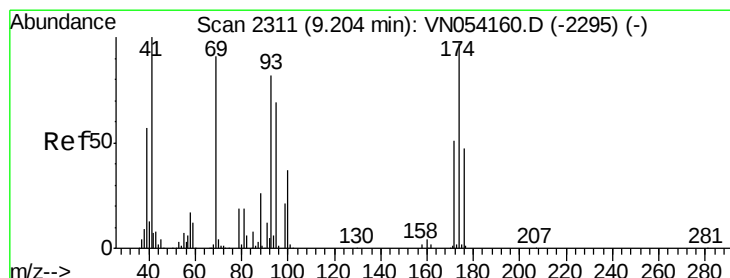
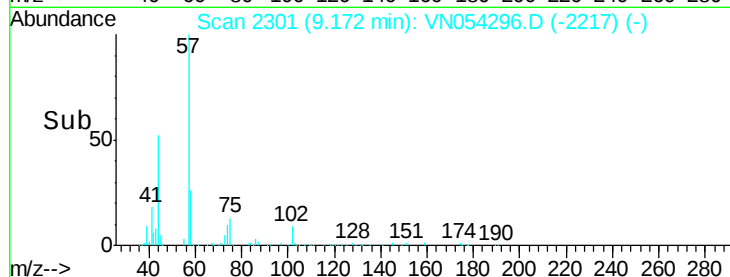
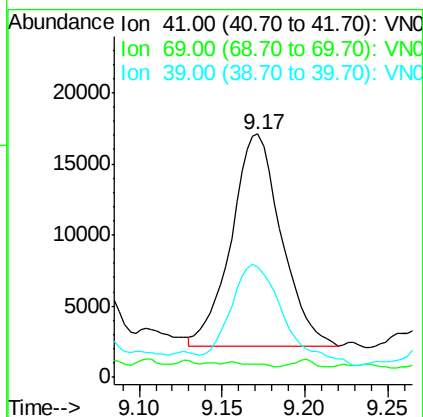
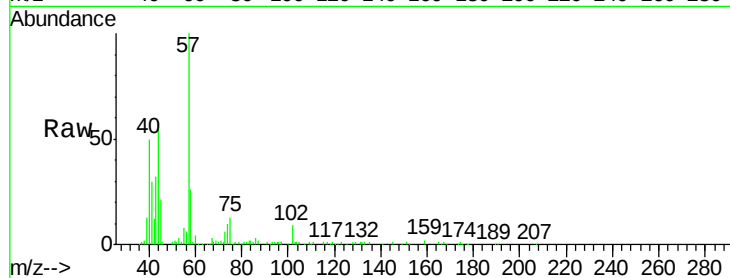




#48
Methvl methacrylate
Concen: 2.728 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.03 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

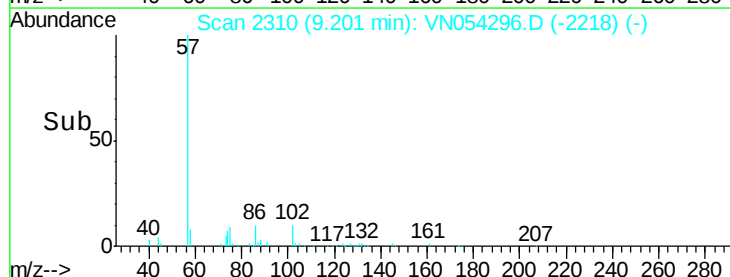
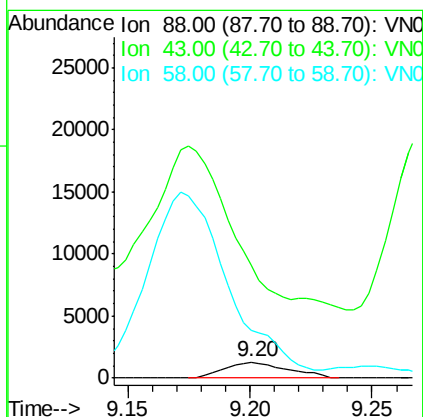
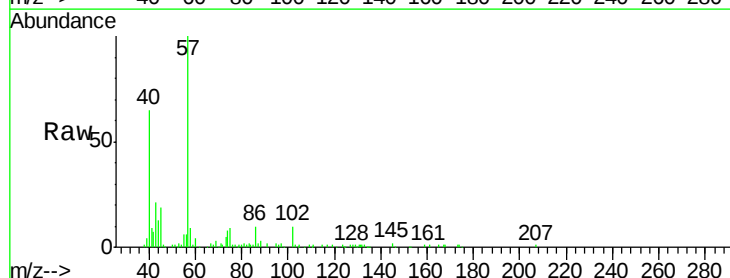
Instrument :
MSVOA_N
ClientSampled :
30301

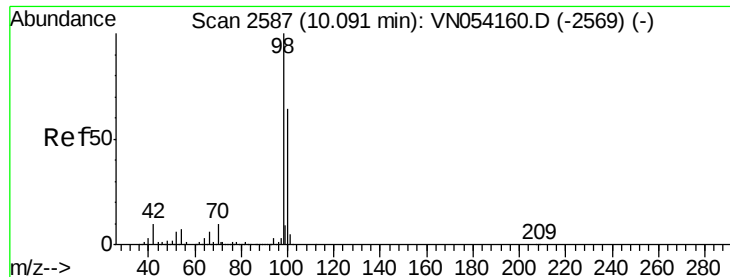
Tot Ion: 41 Resp: 31152
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 51.3 47.5 71.3



#49
1,4-Dioxane
Concen: 14.364 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 88 Resp: 2320
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 52.142 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

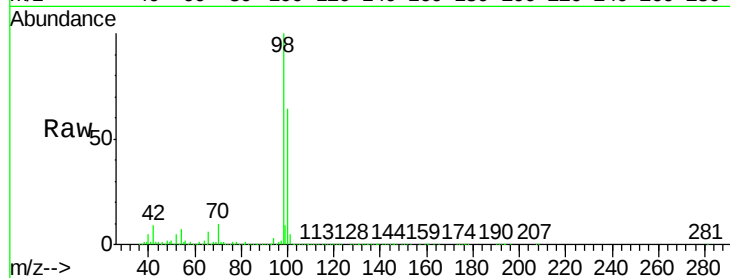
30301

Tot Ion: 98 Resp: 3008670

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

1500000

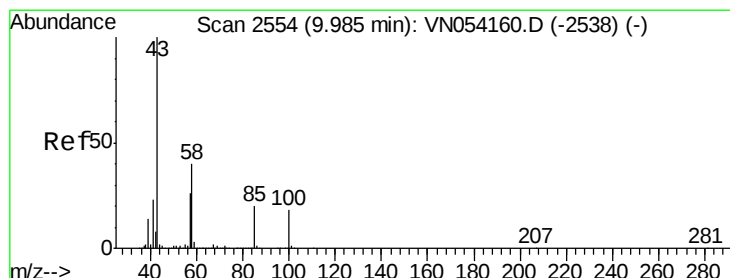
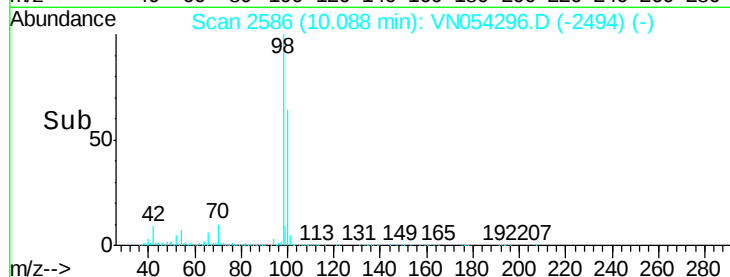
1000000

500000

0

Time-->

10.00 10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 42.494 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054296.D

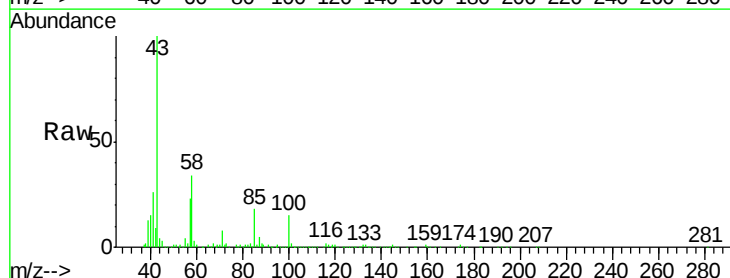
Acq: 15 Mar 2019 7:45

Tgt Ion: 43 Resp: 505979

Ion Ratio Lower Upper

43 100

58 28.4 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

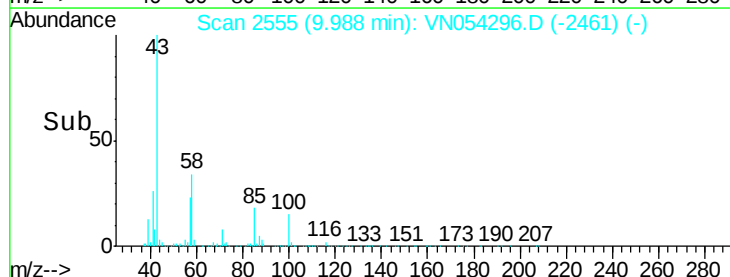
100000

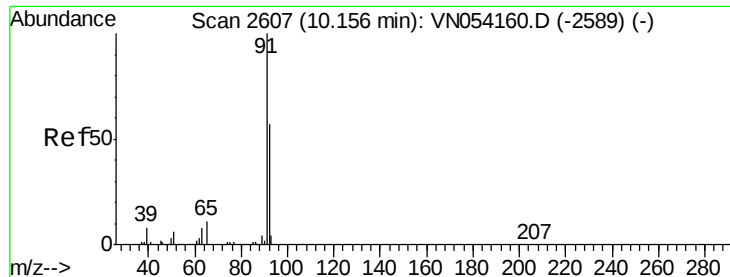
50000

0

Time-->

9.90 10.00





#52

Toluene

Concen: 5.787 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

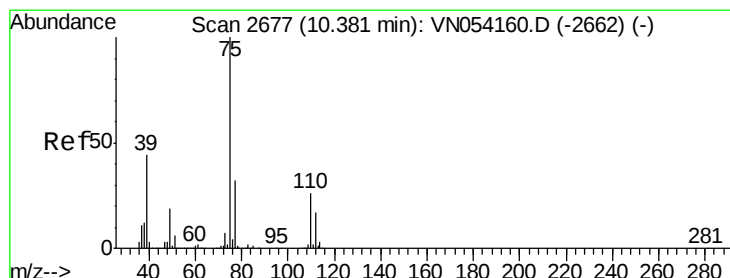
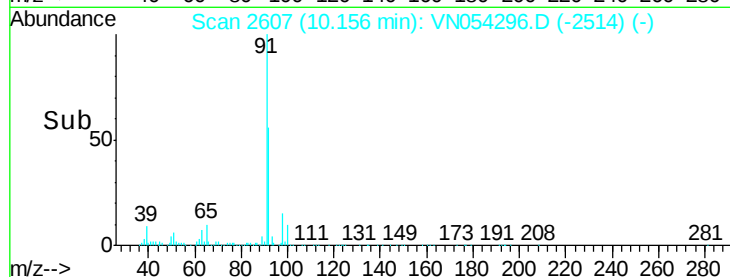
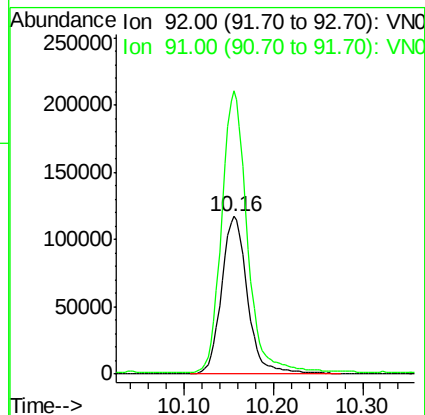
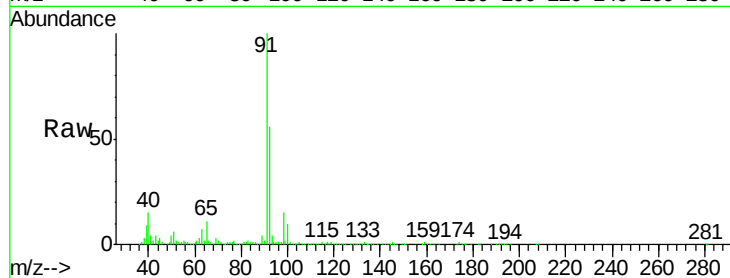
30301

Tot Ion: 92 Resp: 234232

Ion Ratio Lower Upper

92 100

91 177.8 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.01 min

Lab File: VN054296.D

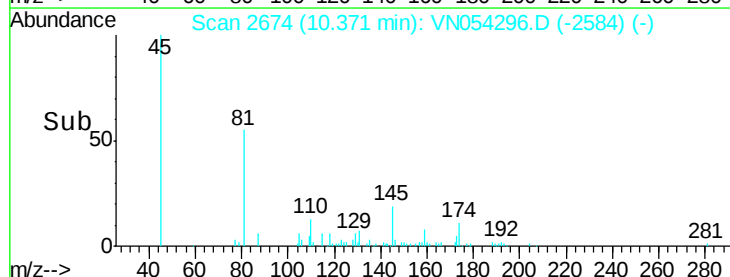
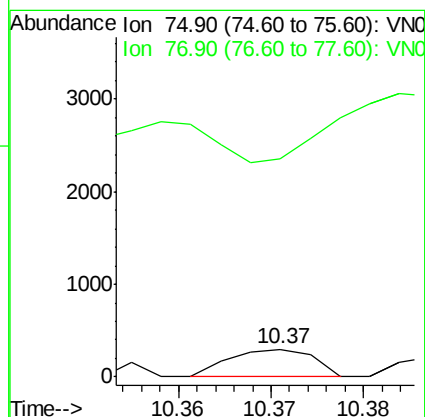
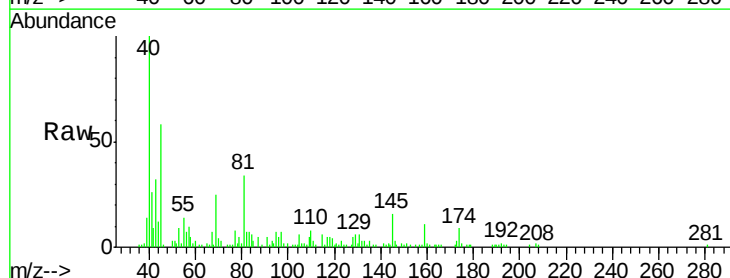
Acq: 15 Mar 2019 7:45

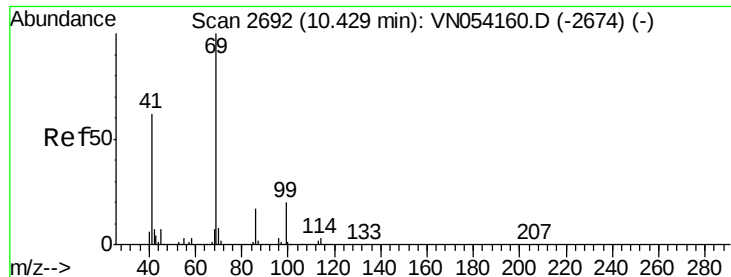
Tgt Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

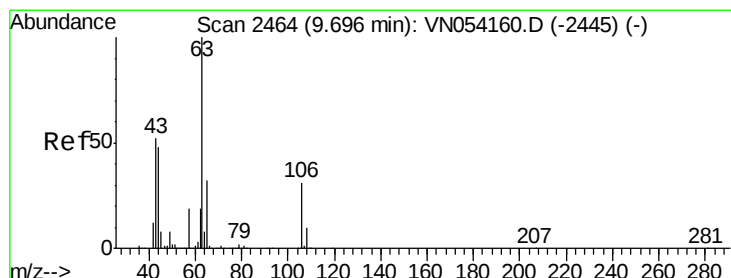
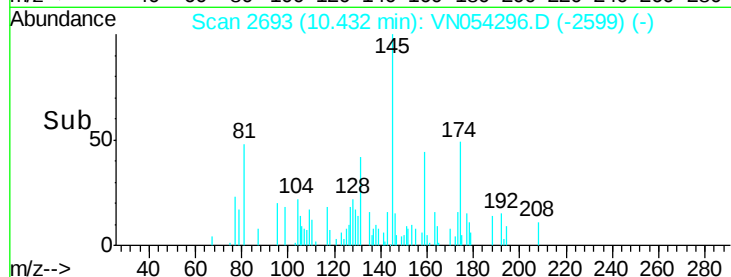
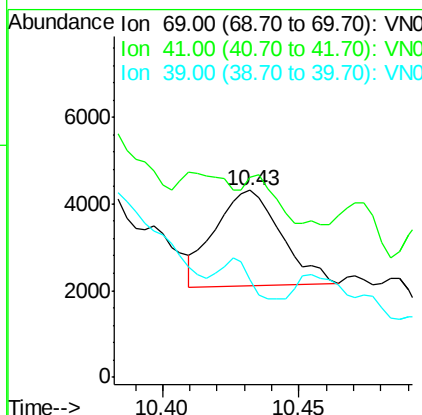
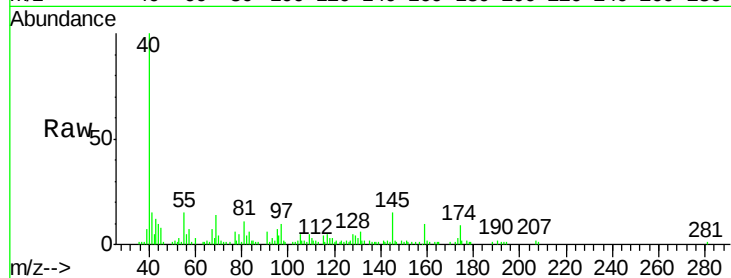




#56
Ethyl methacrylate
Concen: 0.209 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

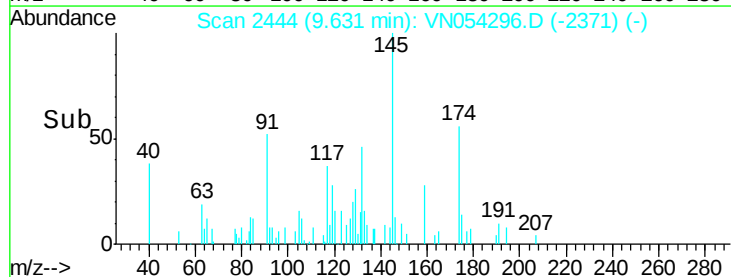
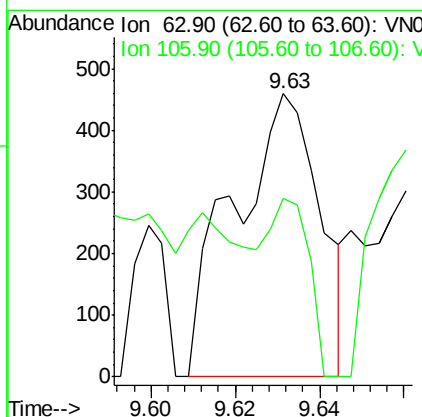
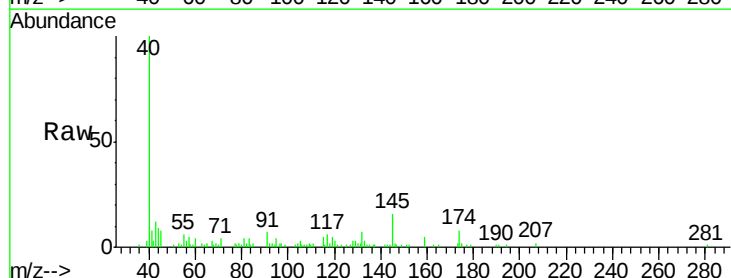
Instrument :
MSVOA_N
ClientSampled :
30301

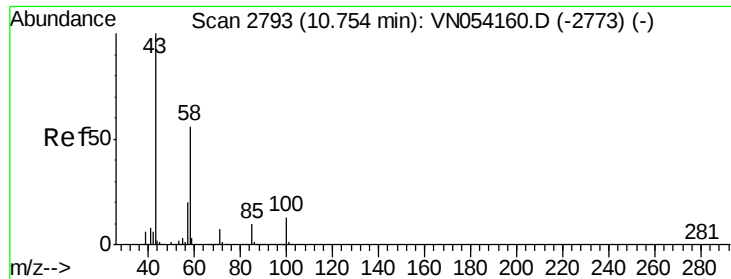
Tot Ion: 69 Resp: 3692
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.2#
39 0.0 28.3 42.5#



#58
2-Chloroethyl Vinyl ether
Concen: 16.908 ug/l
RT: 9.63 min Scan# 2444
Delta R.T. -0.06 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 63 Resp: 654
Ion Ratio Lower Upper
63 100
106 29.4 24.4 36.6

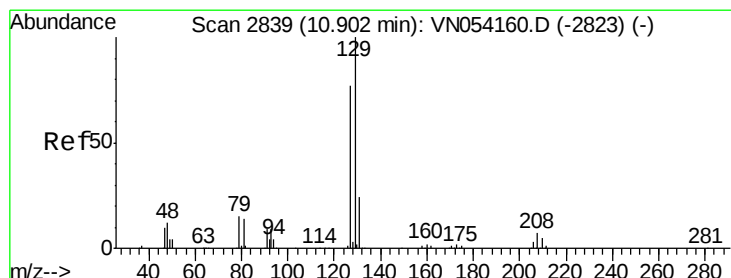
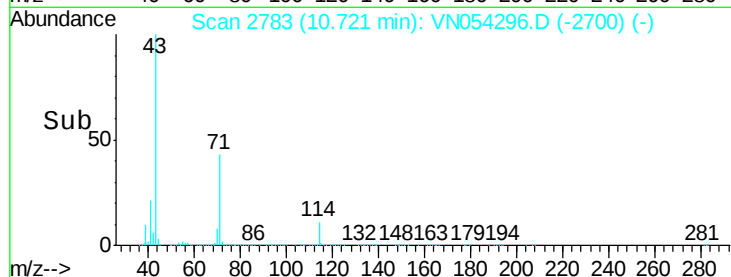
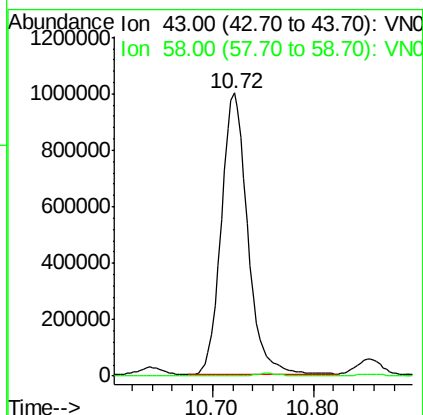
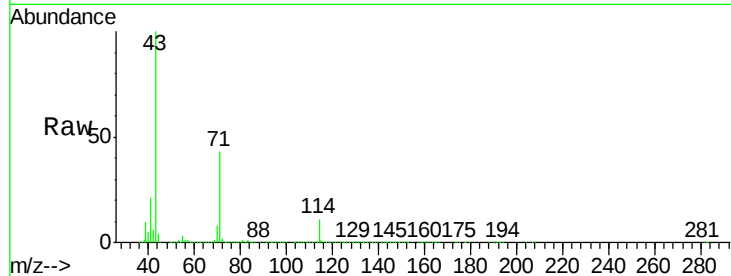




#59
2-Hexanone
Concen: 231.834 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

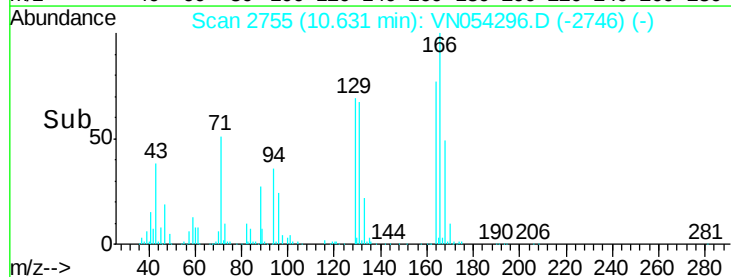
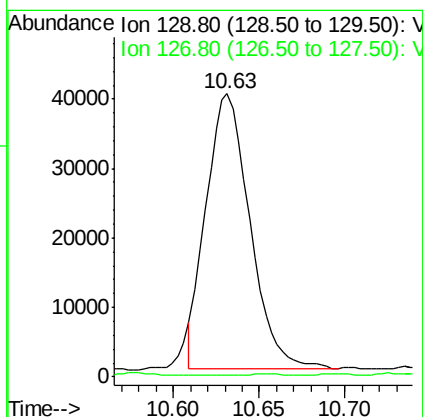
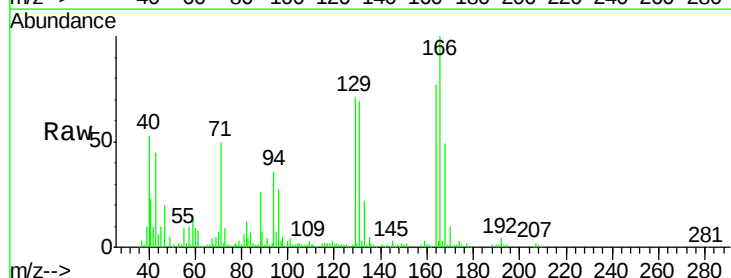
Instrument :
MSVOA_N
ClientSampled :
30301

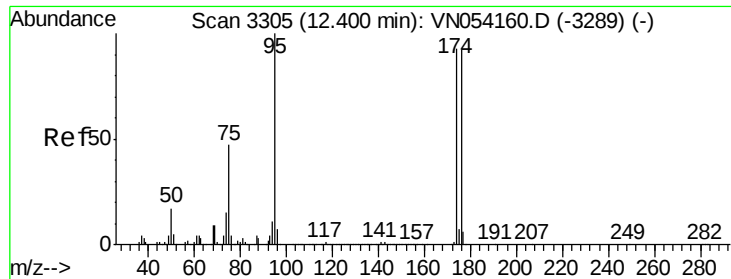
Tot Ion: 43 Resp: 1836796
Ion Ratio Lower Upper
43 100
58 0.0 28.0 83.9#



#60
Dibromochloromethane
Concen: 4.231 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 129 Resp: 70382
Ion Ratio Lower Upper
129 100
127 0.5 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 60.620 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

30301

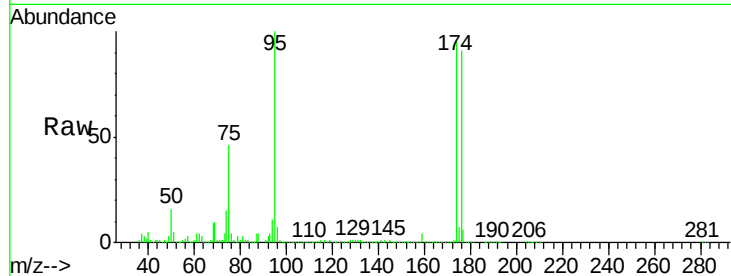
Tot Ion: 95 Resp: 1223893

Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.0

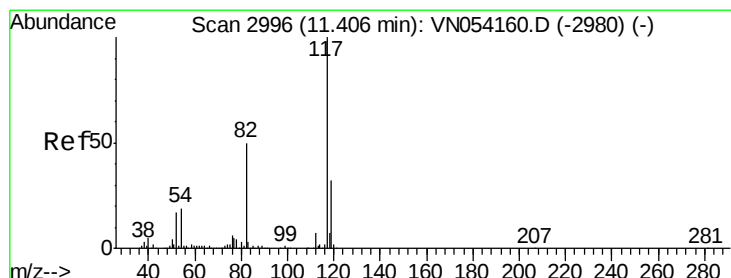
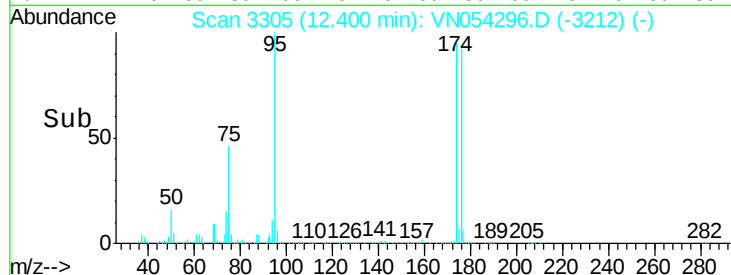
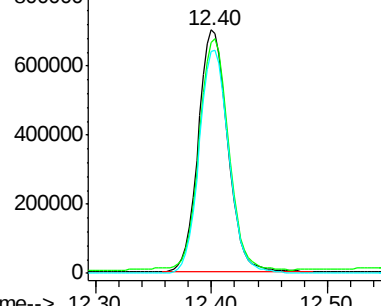
176 93.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054296.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054296.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054296.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

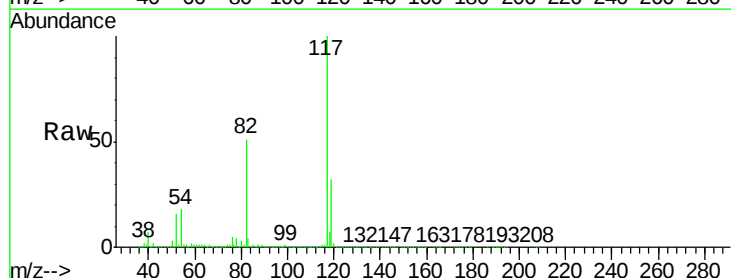
Tgt Ion: 117 Resp: 2580174

Ion Ratio Lower Upper

117 100

82 50.5 40.0 60.0

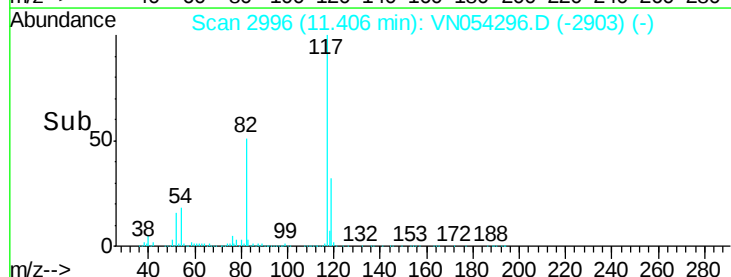
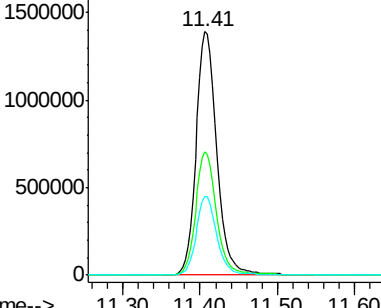
119 32.4 25.8 38.6

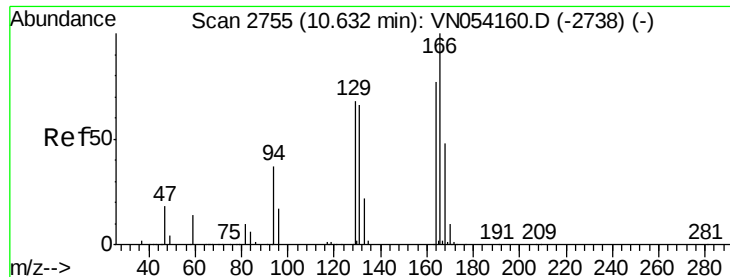


Abundance Ion 116.90 (116.60 to 117.60): VN054296.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054296.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054296.D (-2903) (-)





#64

Tetrachloroethene

Concen: 3.278 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

30301

Tot Ion:164 Resp: 81786

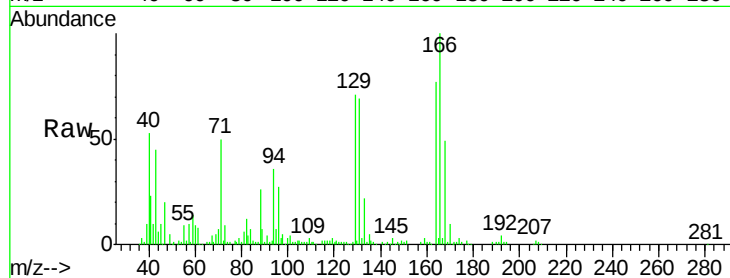
Ion Ratio Lower Upper

164 100

166 129.3 103.9 155.9

129 89.0 71.1 106.7

131 85.9 68.2 102.4

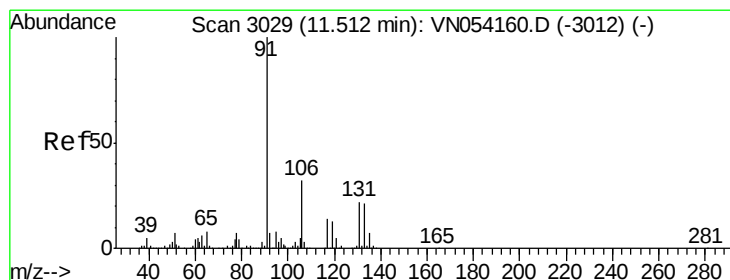
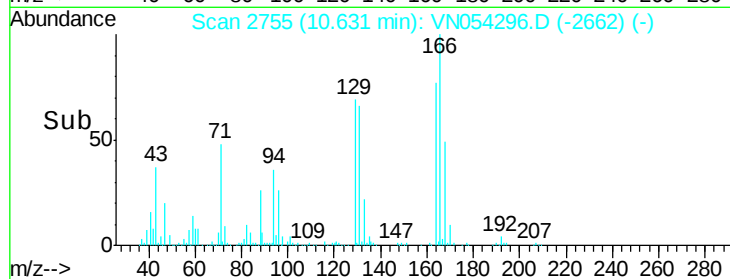
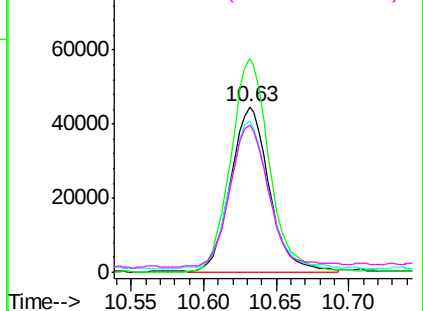


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 9.381 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054296.D

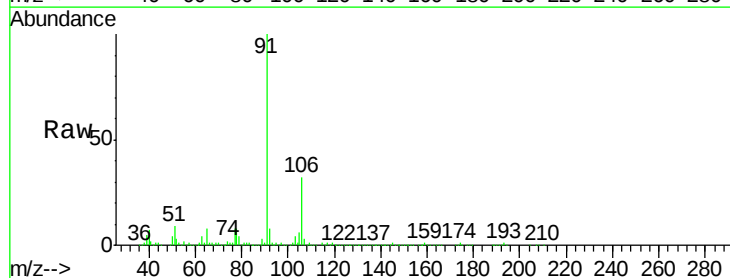
Acq: 15 Mar 2019 7:45

Tgt Ion: 91 Resp: 881020

Ion Ratio Lower Upper

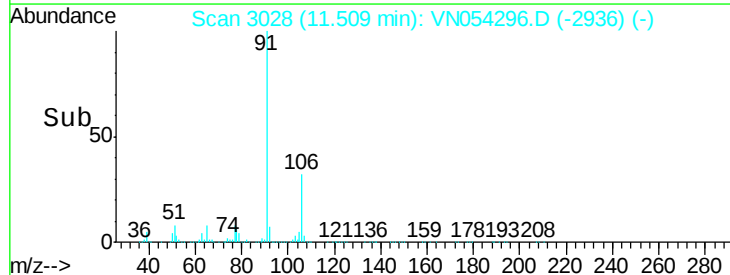
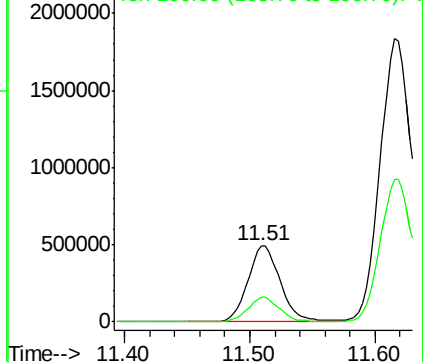
91 100

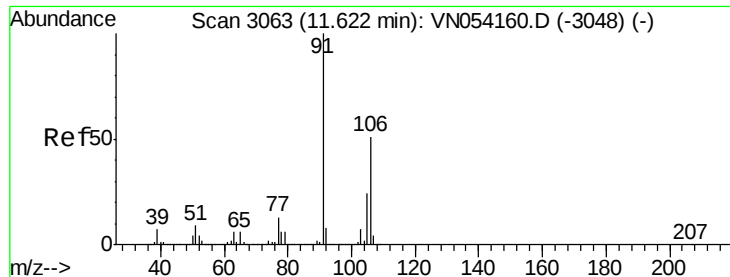
106 32.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

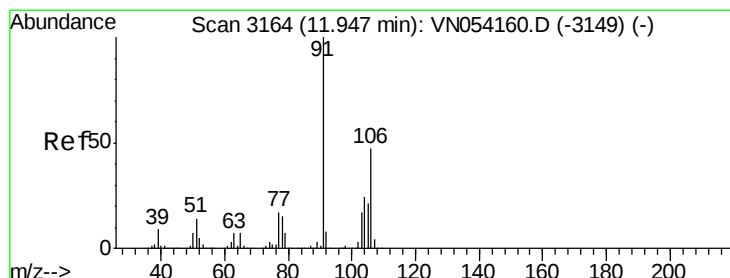
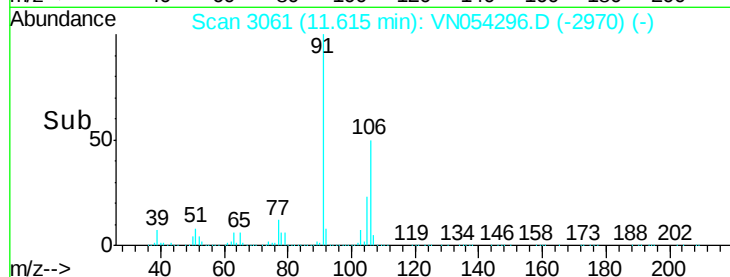
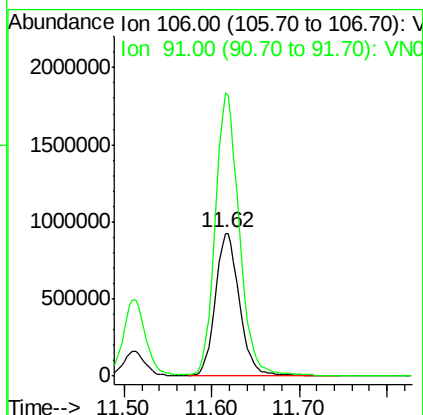
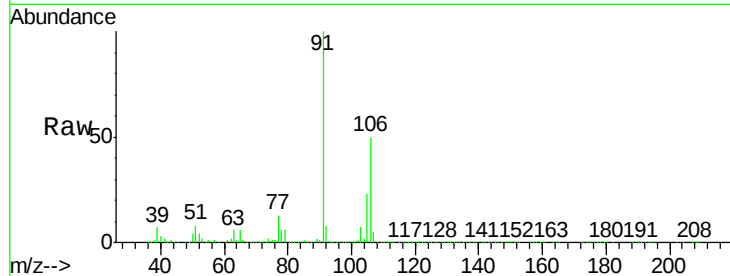




#68
m/p-Xylenes
Concen: 47.867 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

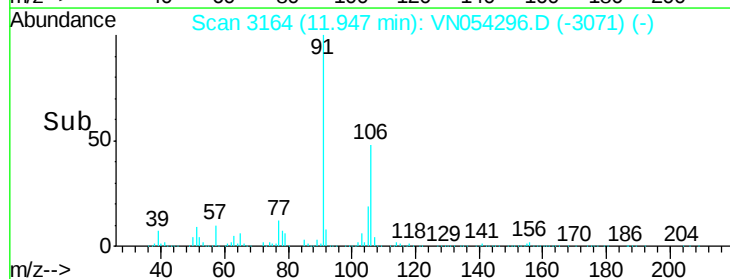
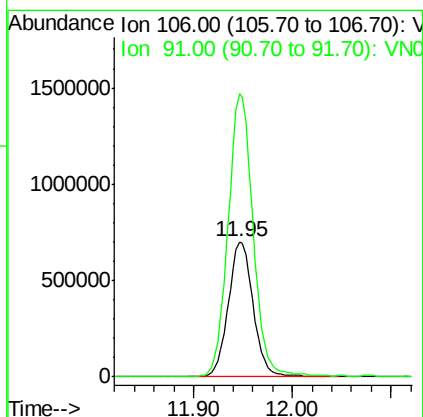
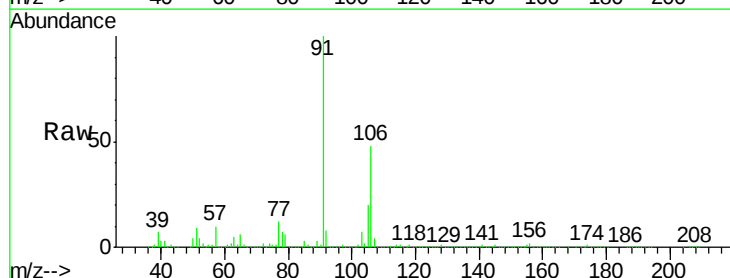
Instrument :
MSVOA_N
ClientSampled :
30301

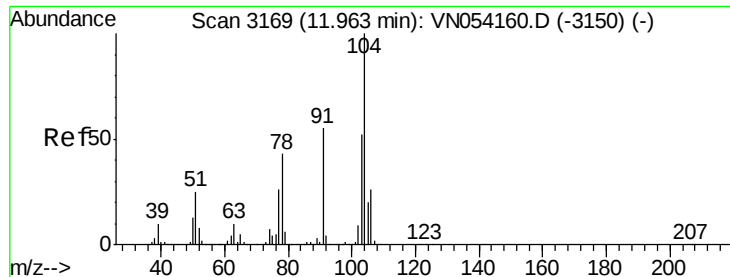
Tot Ion:106 Resp: 1756971
Ion Ratio Lower Upper
106 100
91 197.9 159.4 239.2



#69
o-Xylene
Concen: 34.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion:106 Resp: 1234843
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1





#70

Stvrene

Concen: 1.122 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :
30301

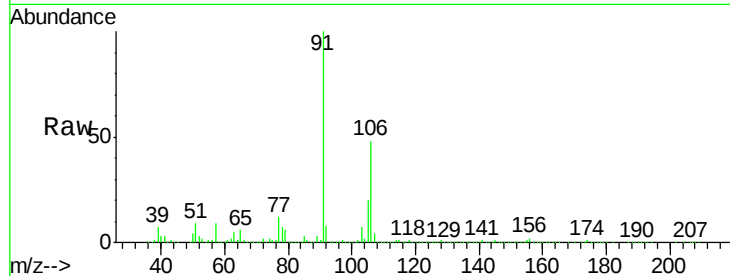
Tot Ion:104 Resp: 62956

Ion Ratio Lower Upper

104 100

78 266.3 38.2 57.2#

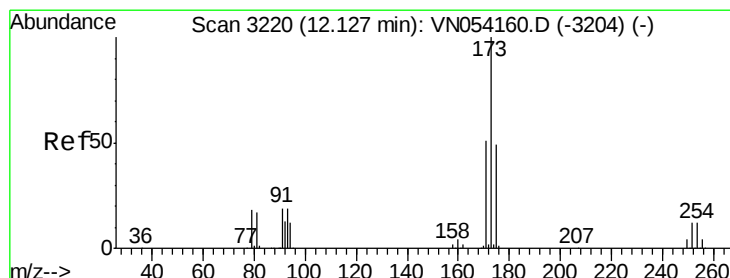
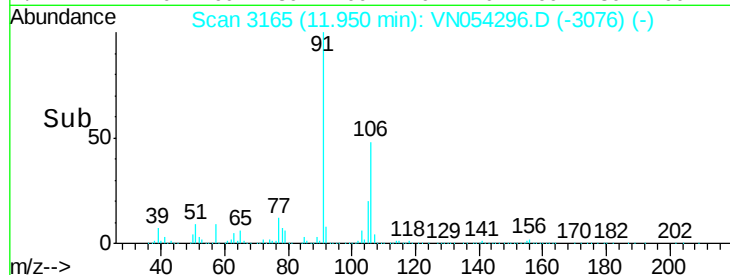
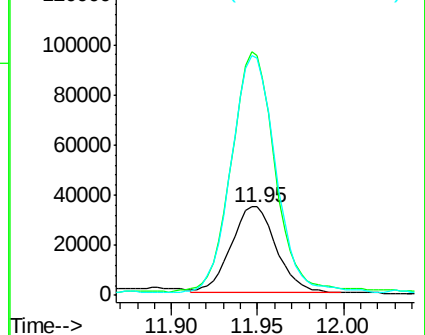
103 270.0 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.369 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

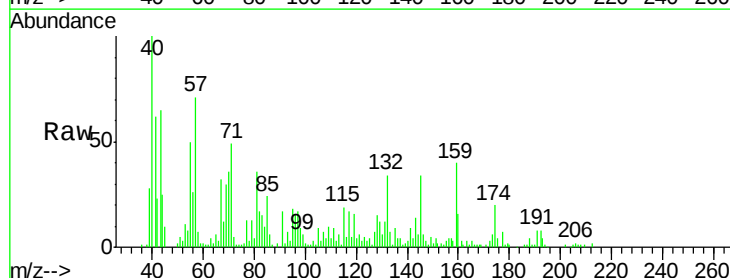
Tgt Ion:173 Resp: 308

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

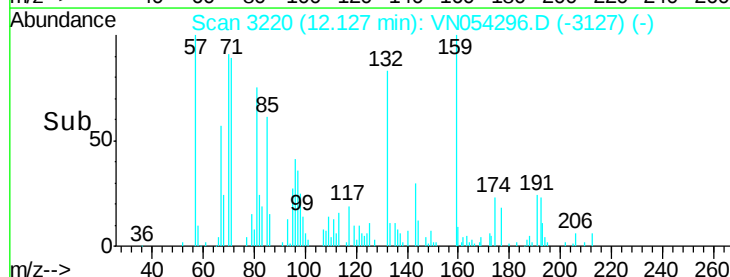
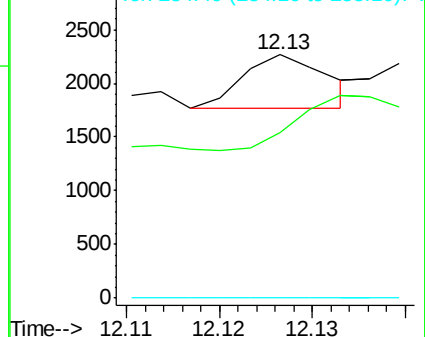
254 0.0 0.1 0.1#

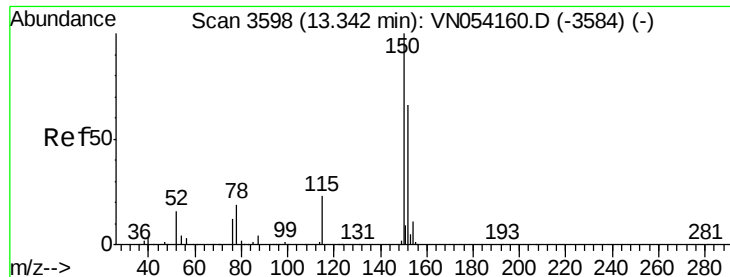


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

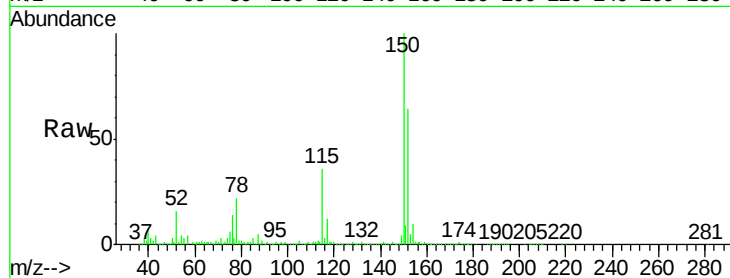
MSVOA_N

ClientSampled :

30301

Tot Ion:152 Resp: 1252515

Ion	Ratio	Lower	Upper
152	100		
115	65.3	27.2	81.6
150	155.9	0.0	349.2

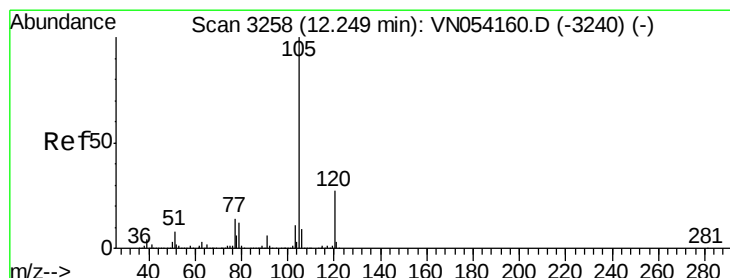
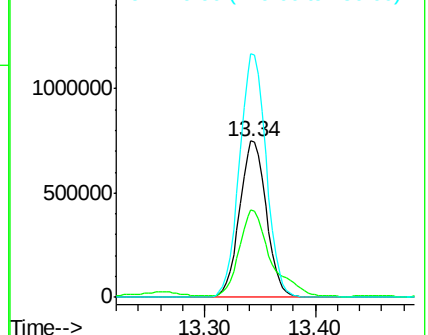
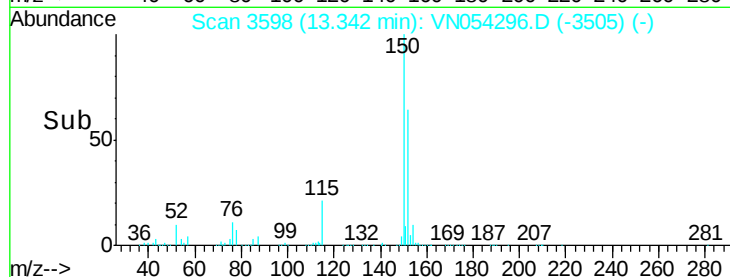


Abundance

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: 1.555 ug/l

RT: 12.25 min Scan# 3258

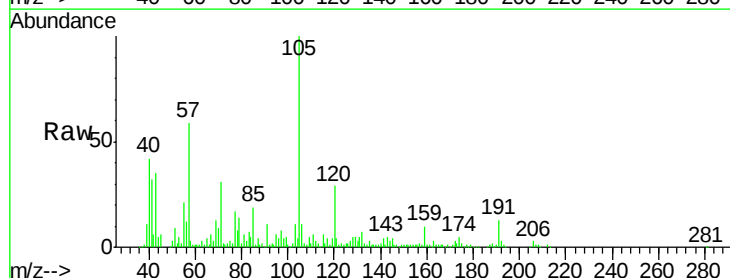
Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Tgt Ion:105 Resp: 155783

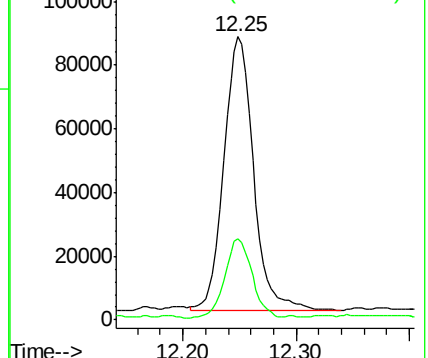
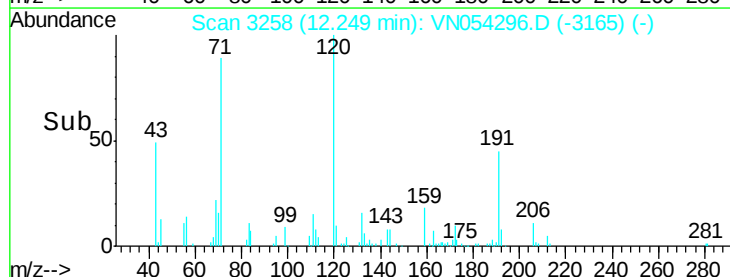
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.8	41.3

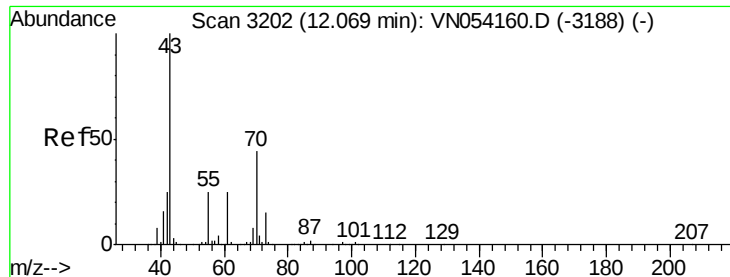


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 16.085 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

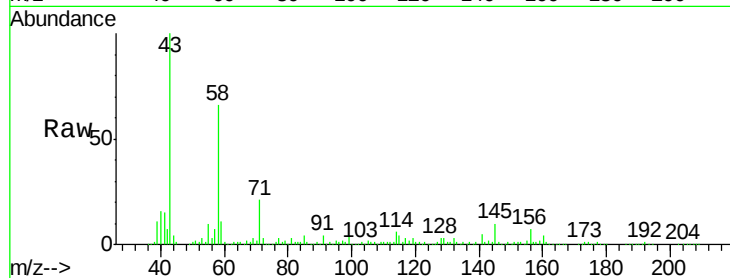
Instrument :

MSVOA_N

ClientSampleId :
30301

Tot Ion: 43 Resp: 357773

Ion	Ratio	Lower	Upper
43	100		
70	0.9	35.4	53.0#
55	5.7	19.8	29.6#
61	0.0	19.8	29.6#

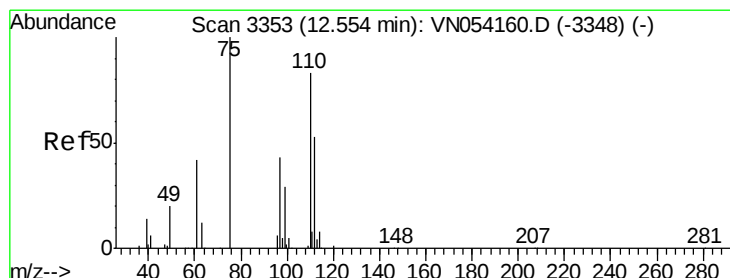
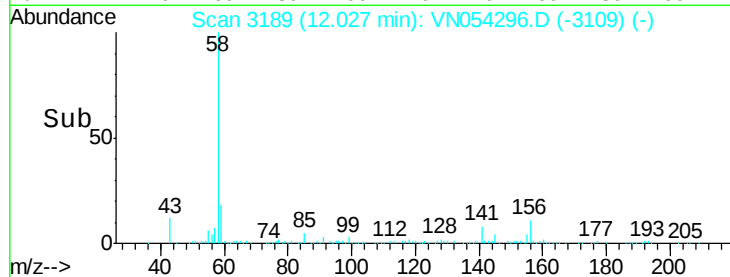


Abundance Ion 43.00 (42.70 to 43.70): VNC

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: 1.300 ug/l

RT: 12.65 min Scan# 3384

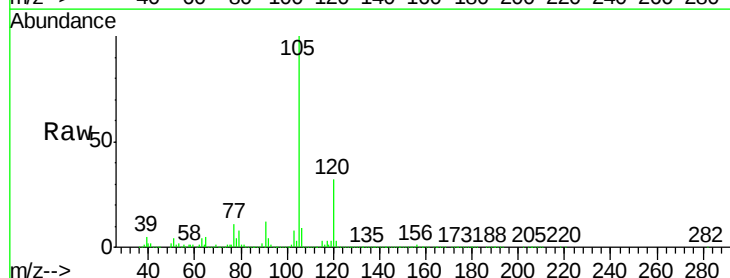
Delta R.T. 0.10 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

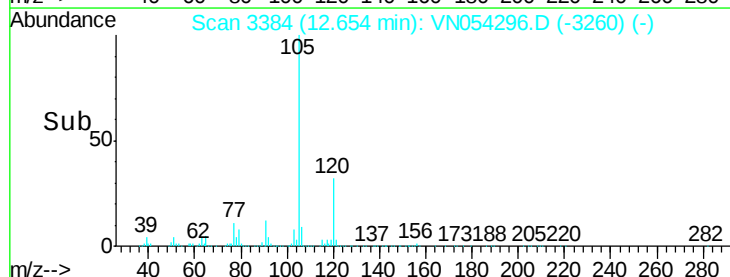
Tgt Ion: 75 Resp: 23953

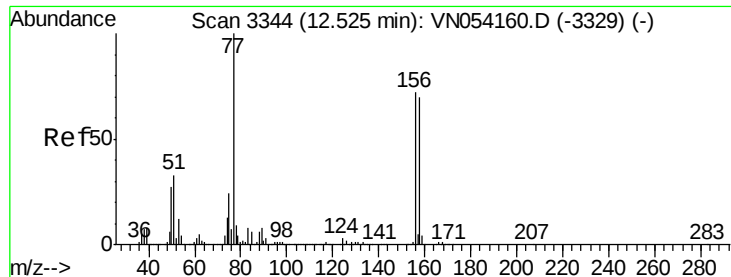
Ion	Ratio	Lower	Upper
75	100		
77	1512.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 12.457 ug/l

RT: 12.54 min Scan# 3349

Delta R.T. 0.02 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :
30301

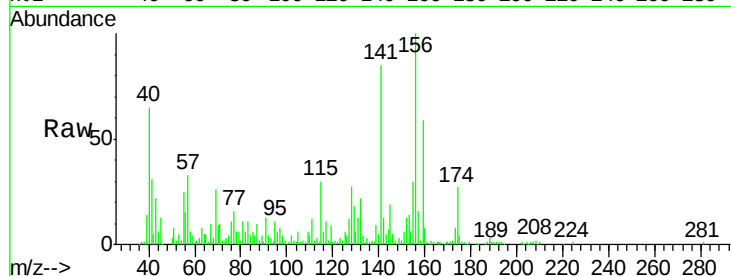
Tot Ion:156 Resp: 330313

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

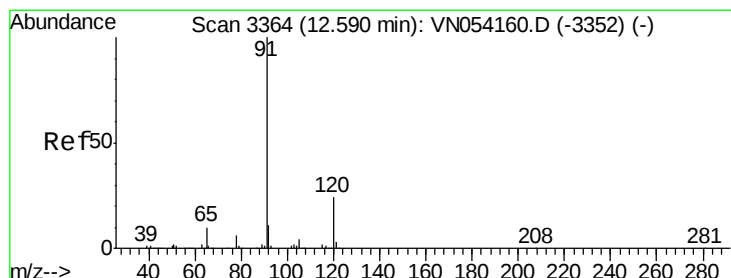
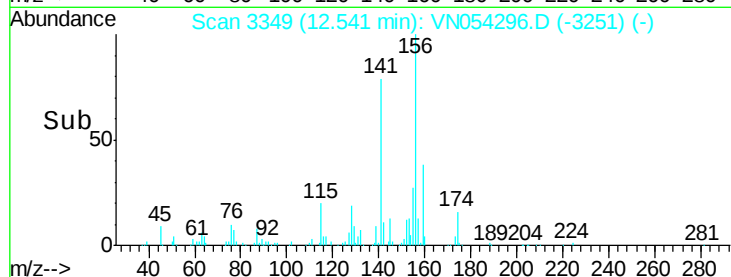
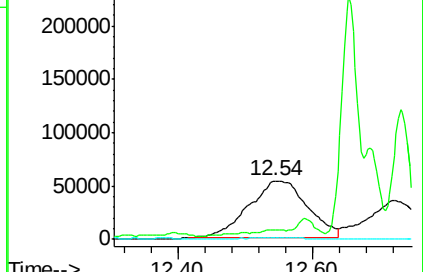
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.730 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054296.D

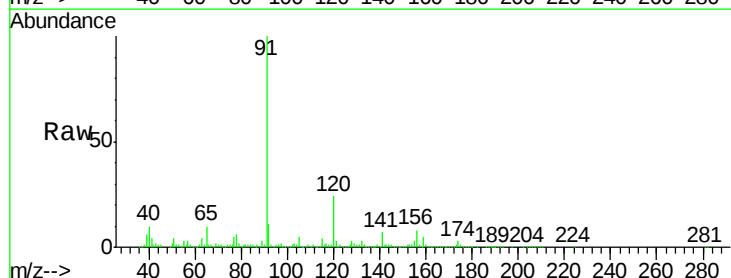
Acq: 15 Mar 2019 7:45

Tgt Ion: 91 Resp: 623092

Ion Ratio Lower Upper

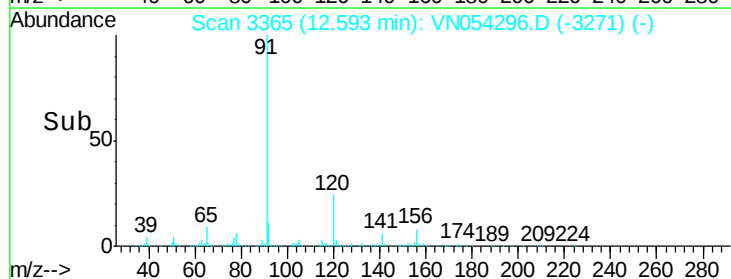
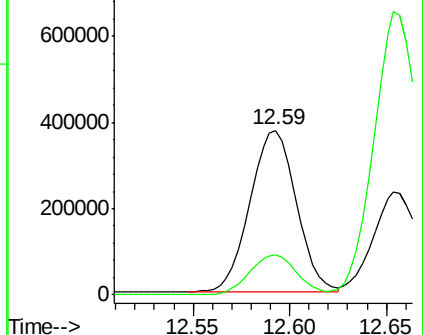
91 100

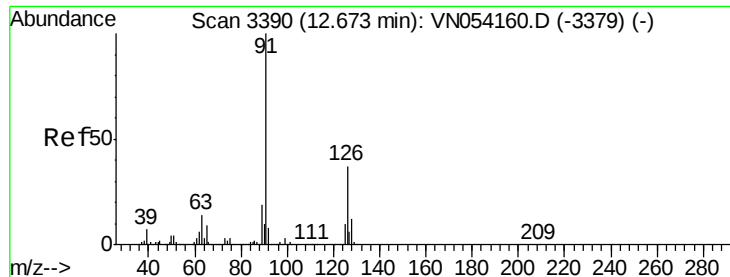
120 25.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.389 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampleId :

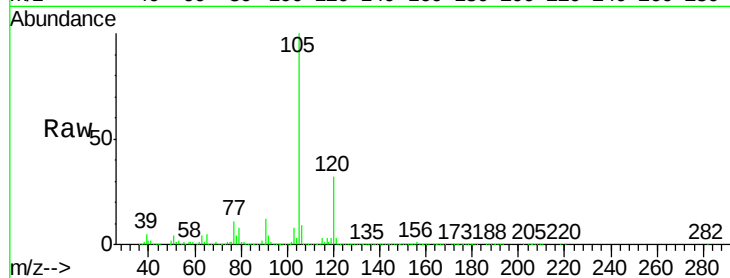
30301

Tot Ion: 91 Resp: 352346

Ion Ratio Lower Upper

91 100

126 0.1 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) (-)

300000

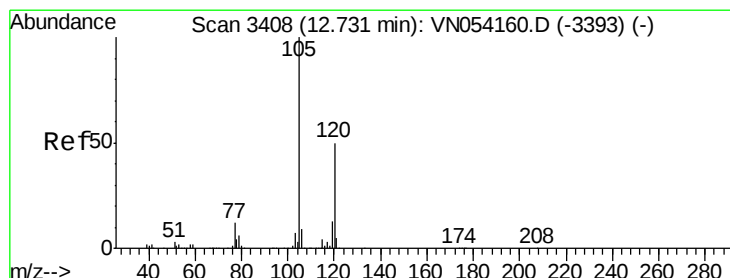
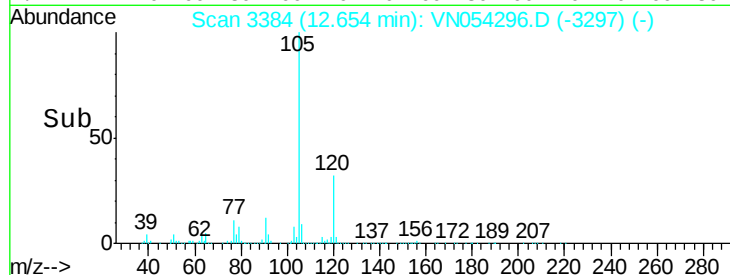
200000

100000

0

12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.478 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054296.D

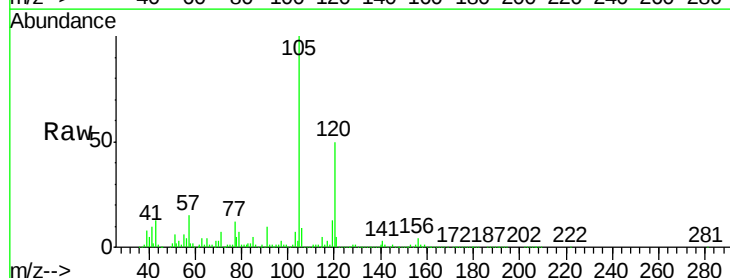
Acq: 15 Mar 2019 7:45

Tgt Ion: 105 Resp: 1623523

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) (-)

2000000

1500000

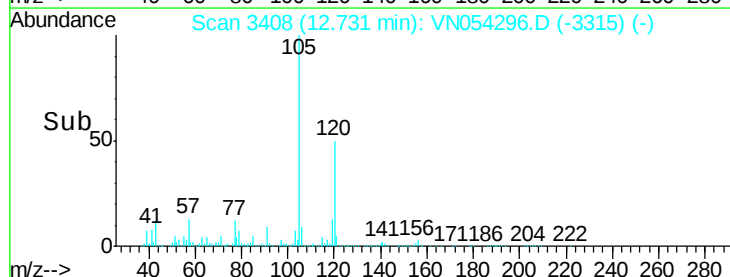
1000000

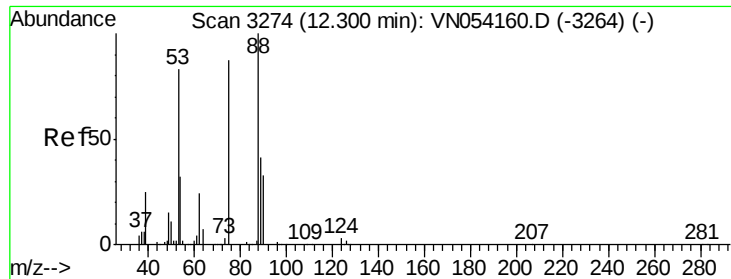
500000

0

12.73

Time-->

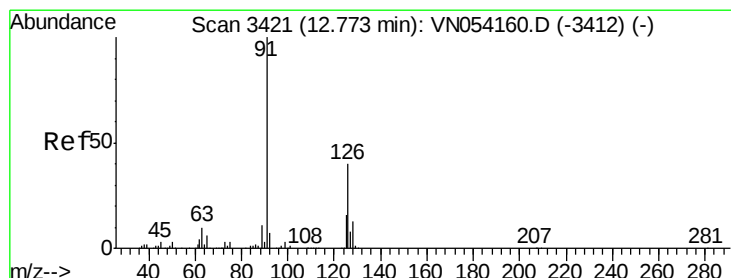
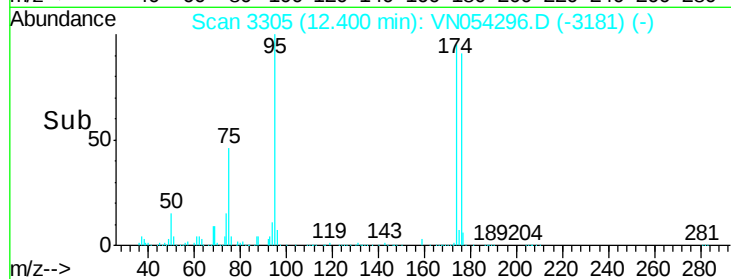
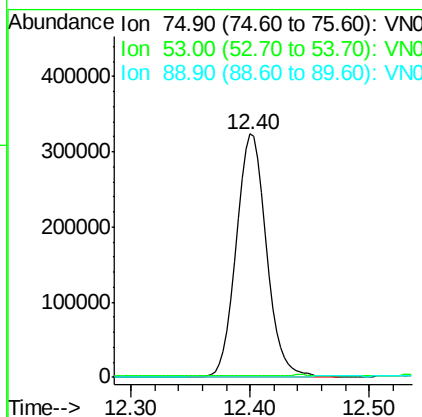
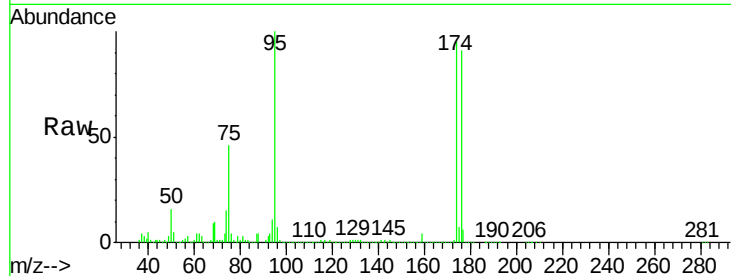




#81
trans-1,4-Dichloro-2-butene
Concen: 105.525 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

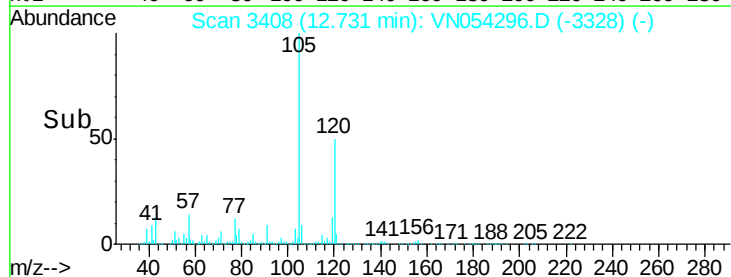
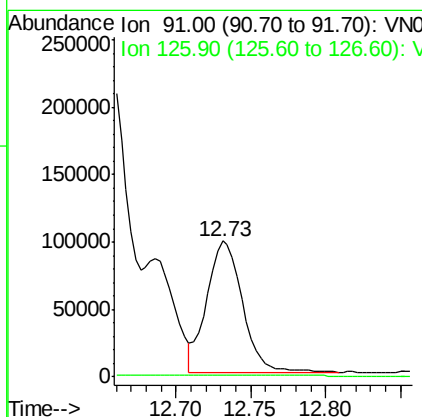
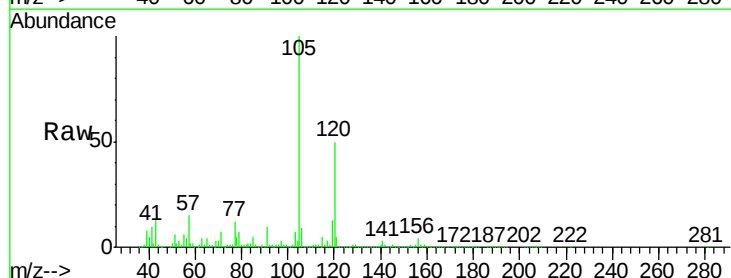
Instrument :
MSVOA_N
ClientSampled :
30301

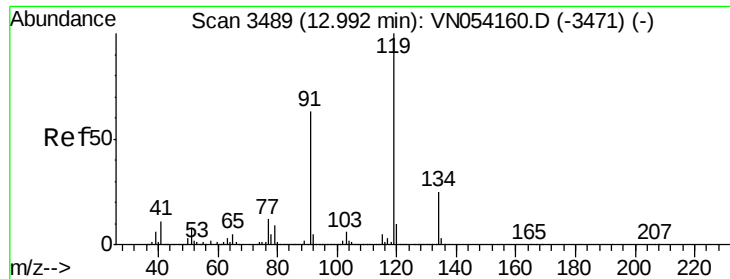
Tot Ion: 75 Resp: 568576
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.1 39.2 58.8#



#82
4-Chlorotoluene
Concen: 2.488 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 91 Resp: 162454
Ion Ratio Lower Upper
91 100
126 0.1 18.1 54.1#

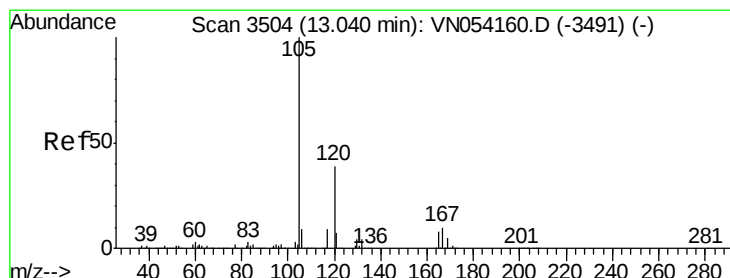
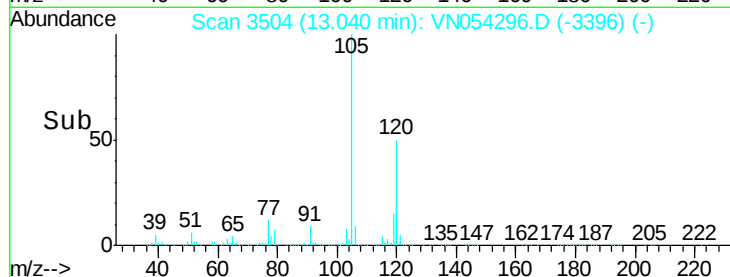
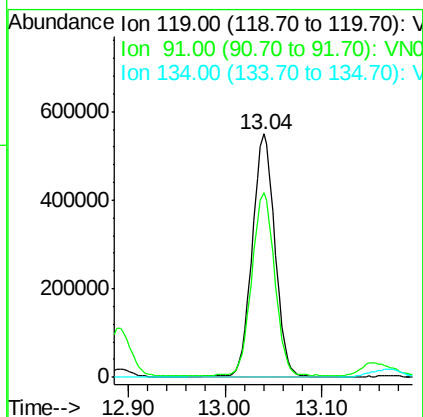
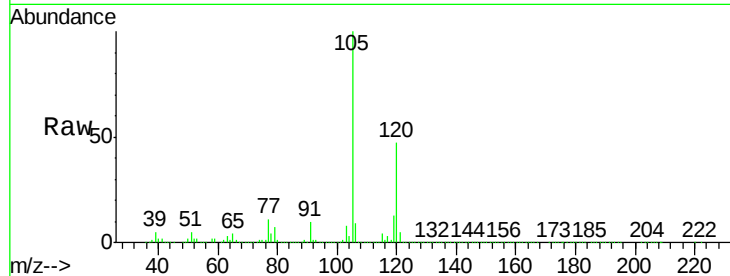




#83
 tert-Butylbenzene
 Concen: 11.594 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

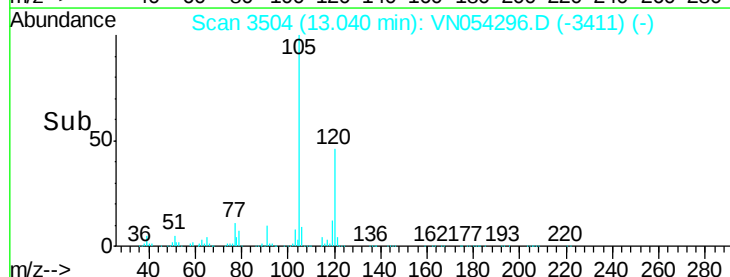
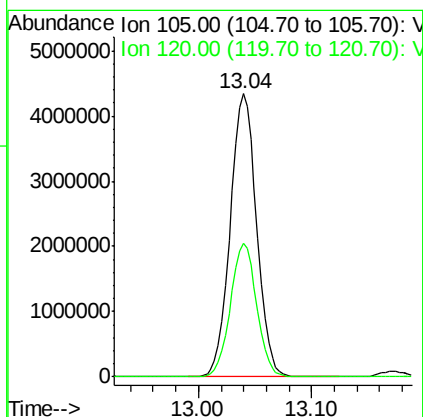
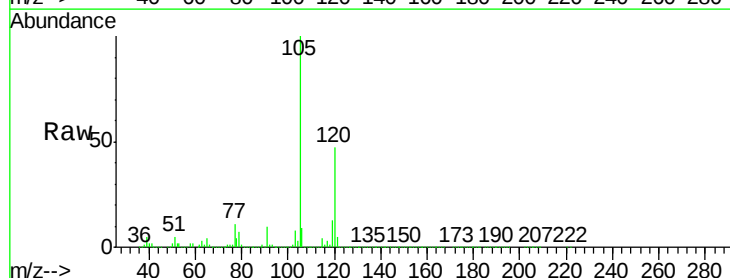
Instrument :
 MSVOA_N
 ClientSampled :
 30301

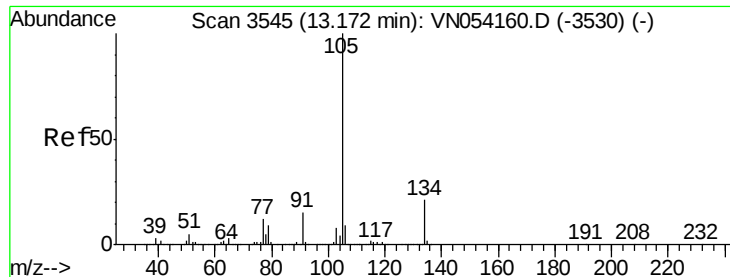
Tot Ion:119 Resp: 889539
 Ion Ratio Lower Upper
 119 100
 91 76.0 30.9 92.8
 134 0.0 13.2 39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 85.881 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054296.D
 Acq: 15 Mar 2019 7:45

Tgt Ion:105 Resp: 7022760
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 70.583 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

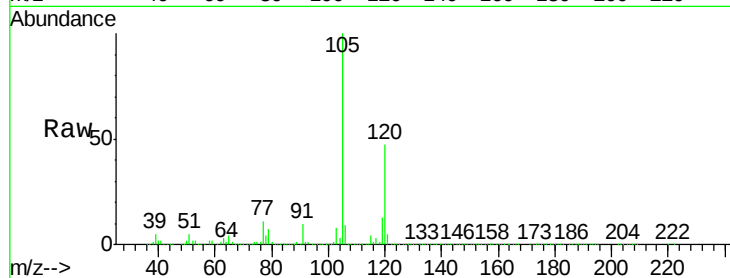
30301

Tot Ion:105 Resp: 7022760

Ion Ratio Lower Upper

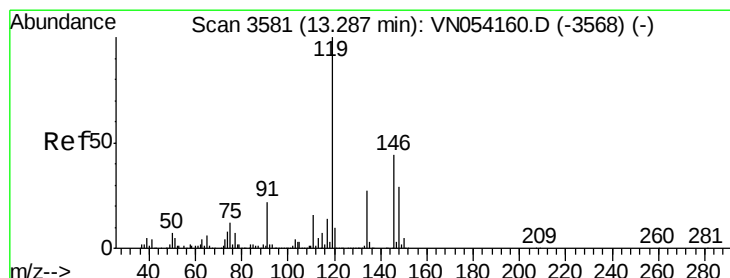
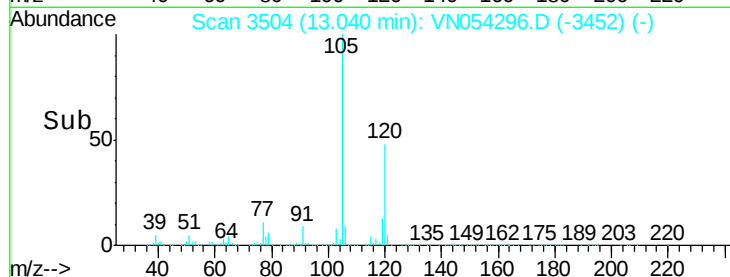
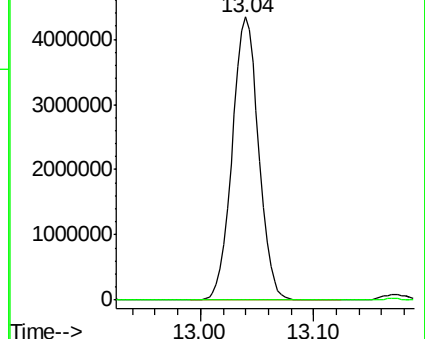
105 100

134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.341 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

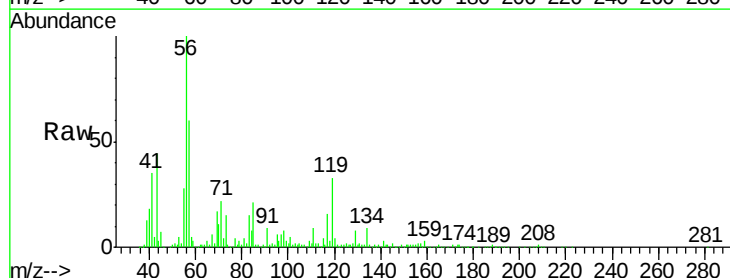
Tgt Ion:119 Resp: 117070

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

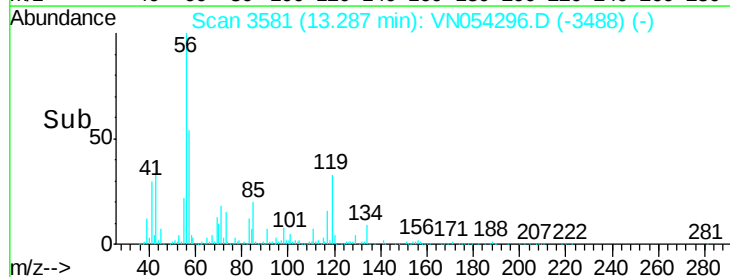
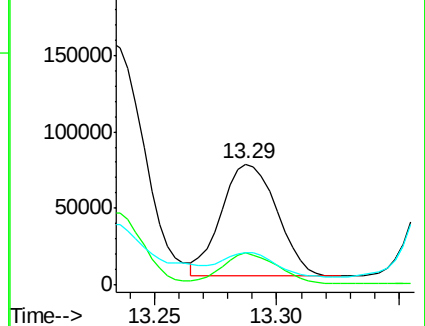
91 20.1 11.1 33.3

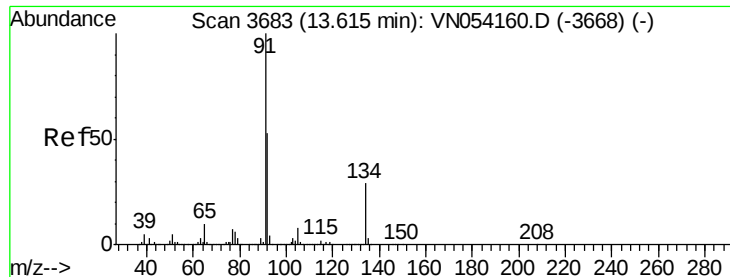


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

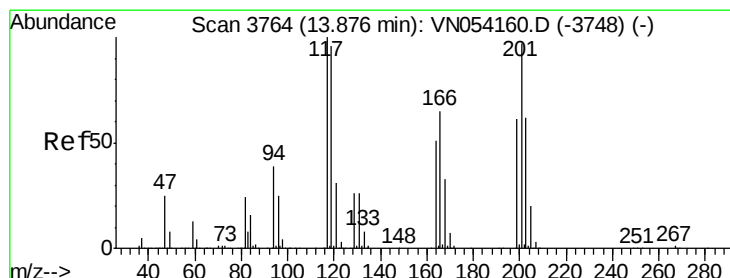
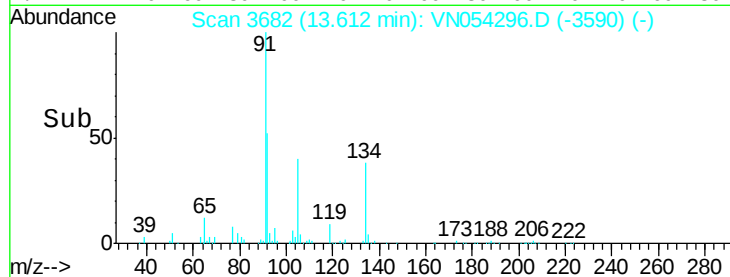
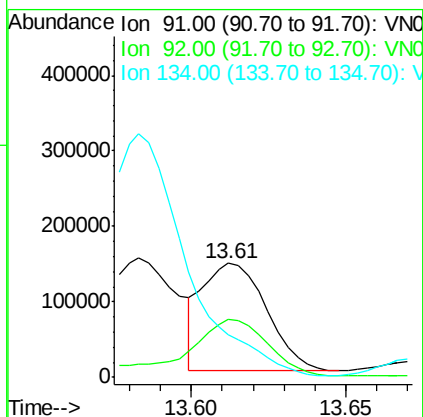
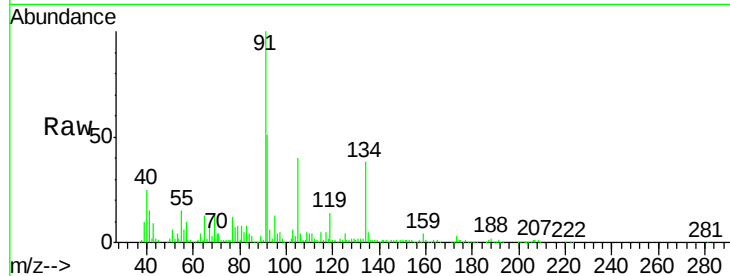




#89
n-Butylbenzene
Concen: 3.080 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

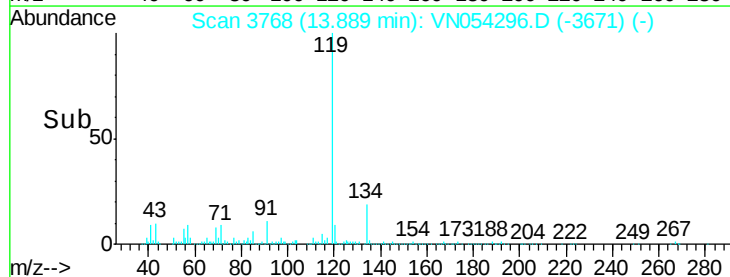
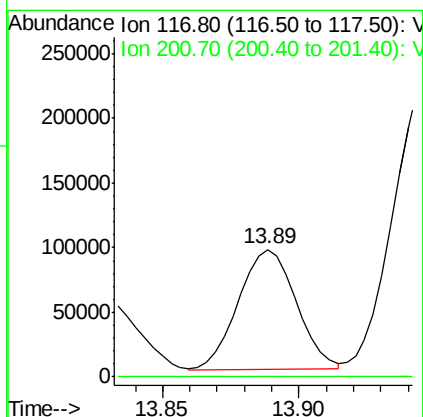
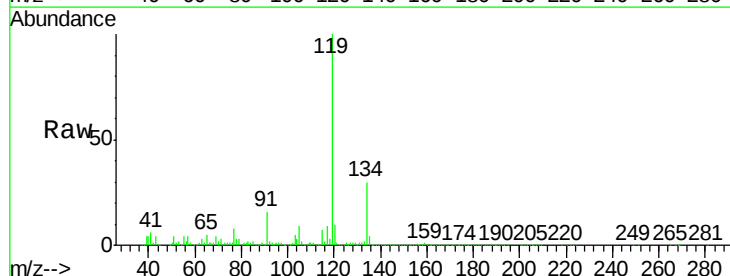
Instrument :
MSVOA_N
ClientSampled :
30301

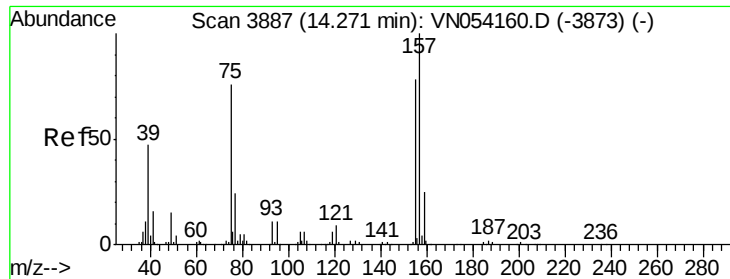
Tot Ion: 91 Resp: 204267
Ion Ratio Lower Upper
91 100
92 68.8 26.2 78.6
134 0.0 14.3 42.9#



#90
Hexachloroethane
Concen: 9.447 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion: 117 Resp: 136546
Ion Ratio Lower Upper
117 100
201 0.4 48.1 144.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.633 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

Instrument :

MSVOA_N

ClientSampled :

30301

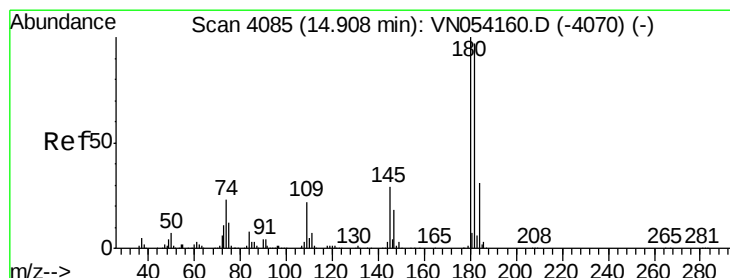
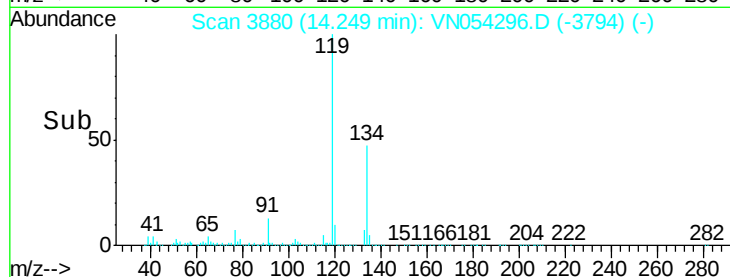
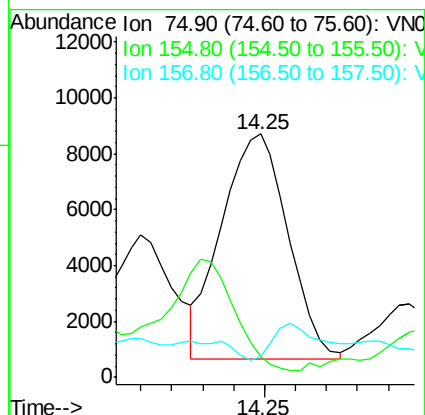
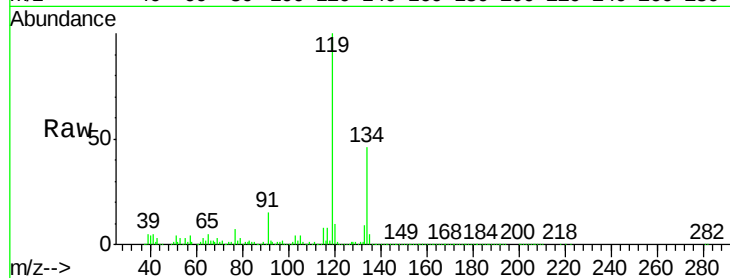
Tot Ion: 75 Resp: 12001

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 12.2 63.1 189.3#



#93

1,2,4-Trichlorobenzene

Concen: 2.537 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054296.D

Acq: 15 Mar 2019 7:45

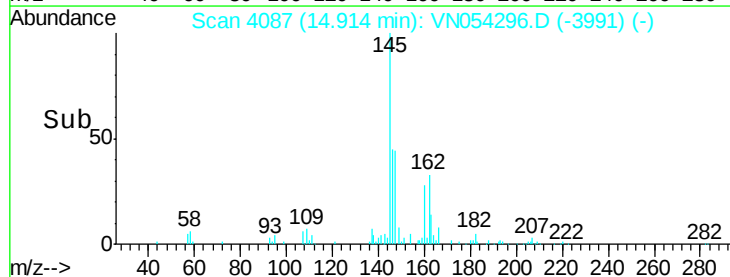
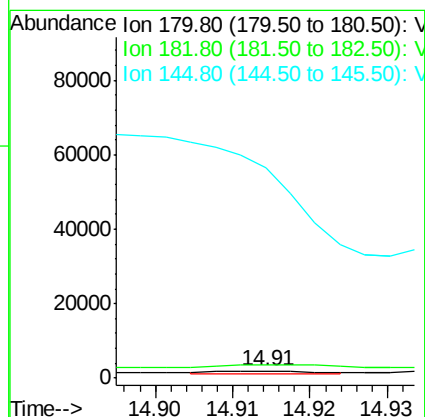
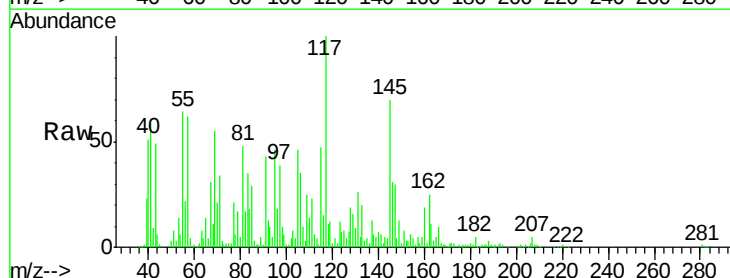
Tgt Ion: 180 Resp: 562

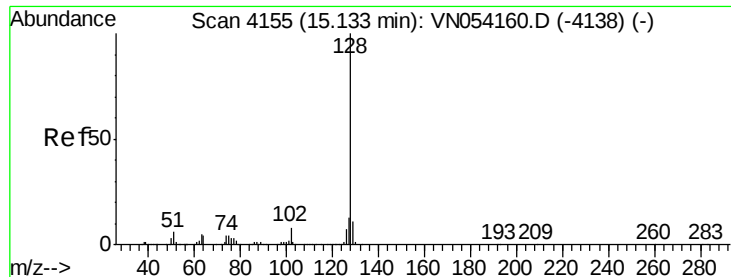
Ion Ratio Lower Upper

180 100

182 1246.8 48.0 144.2#

145 0.0 14.2 42.8#

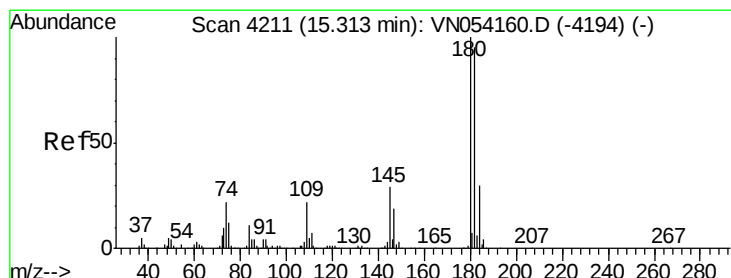
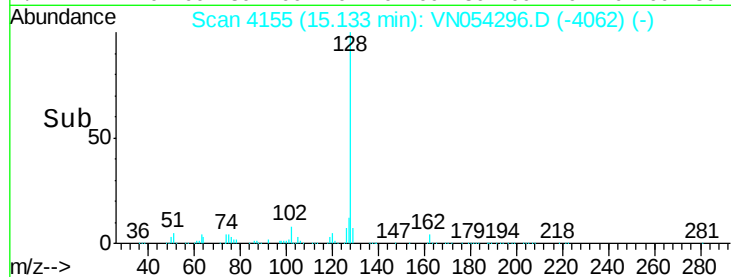
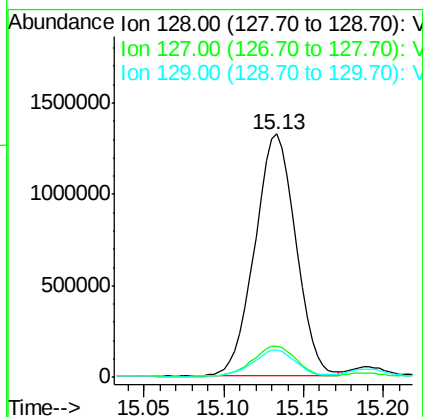
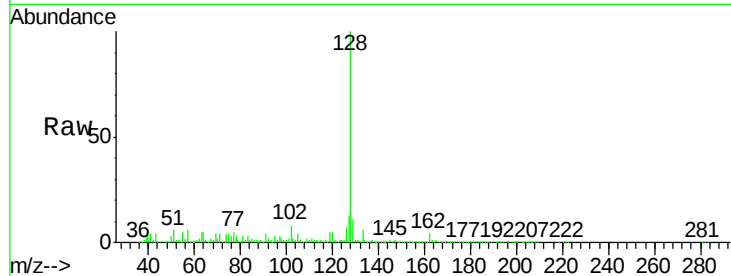




#95
Naphthalene
Concen: 43.177 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Instrument :
MSVOA_N
ClientSampleId :
30301

Tot Ion:128 Resp: 2344005
Ion Ratio Lower Upper
128 100
127 13.5 10.1 15.1
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.514 ug/l
RT: 15.34 min Scan# 4218
Delta R.T. 0.02 min
Lab File: VN054296.D
Acq: 15 Mar 2019 7:45

Tgt Ion:180 Resp: 11918
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.6#
145 1367.6 14.8 44.3#

