

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050331.D
 Acq On : 3 Aug 2018 23:41
 Operator : MD\SY
 Sample : VN0803WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Quant Time: Aug 04 01:43:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	593891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	897519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	816135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424587	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	372159	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1352443	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	451054	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	164144	19.24	ug/l	96
3) Chloromethane	2.06	50	163106	17.58	ug/l	100
4) Vinyl Chloride	2.18	62	181646	18.60	ug/l	97
5) Bromomethane	2.56	94	86784	15.30	ug/l	100
6) Chloroethane	2.70	64	108651	18.52	ug/l	98
7) Trichlorofluoromethane	3.01	101	248561	19.64	ug/l	98
8) Diethyl Ether	3.41	74	89289	21.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152036	19.98	ug/l	99
10) Methyl Iodide	3.95	142	81609	8.36	ug/l	99
11) Tert butyl alcohol	4.80	59	73257	120.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	135212	19.75	ug/l	98
13) Acrolein	3.61	56	71738	146.45	ug/l	98
14) Allyl chloride	4.32	41	209896	19.78	ug/l	98
15) Acrylonitrile	5.00	53	302508	113.73	ug/l	99
16) Acetone	3.82	43	247657	124.71	ug/l	99
17) Carbon Disulfide	4.05	76	341826	16.30	ug/l	99
18) Methyl Acetate	4.33	43	226080	29.10	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	404266	22.16	ug/l	99
20) Methylene Chloride	4.55	84	162943	21.46	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	142608	19.66	ug/l	99
22) Diisopropyl ether	5.96	45	485189	23.05	ug/l	98
23) Vinyl Acetate	5.90	43	1524222	102.49	ug/l	100
24) 1,1-Dichloroethane	5.85	63	287714	20.91	ug/l	99
25) 2-Butanone	6.84	43	361607	114.41	ug/l	98
26) 2,2-Dichloropropane	6.83	77	175485	16.76	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	165423	21.19	ug/l	99
28) Bromochloromethane	7.20	49	133866	21.33	ug/l	99
29) Tetrahydrofuran	7.22	42	236432	115.77	ug/l	99
30) Chloroform	7.37	83	297919	21.21	ug/l	98
31) Cyclohexane	7.66	56	220561	19.28	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	249234	20.75	ug/l	100
36) 1,1-Dichloropropene	7.79	75	204128	20.19	ug/l	99
37) Ethyl Acetate	6.93	43	153383	21.76	ug/l	99
38) Carbon Tetrachloride	7.78	117	215327	20.07	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	194371	18.69	ug/l	100
40) Benzene	8.04	78	645040	20.96	ug/l	100
41) Methacrylonitrile	7.18	41	80558	23.48	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	216435	21.08	ug/l	99
43) Isopropyl Acetate	8.17	43	296323	21.66	ug/l	98
44) Trichloroethene	8.84	130	166927	20.19	ug/l	100
45) 1,2-Dichloropropane	9.12	63	175127	21.49	ug/l	96
46) Dibromomethane	9.21	93	107055	21.15	ug/l	98
47) Bromodichloromethane	9.41	83	223828	20.96	ug/l	100
48) Methyl methacrylate	9.20	41	137231	22.60	ug/l	100
49) 1,4-Dioxane	9.20	88	40062	484.84	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	807307	116.49	ug/l	100
52) Toluene	10.16	92	393309	21.65	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	208437	20.68	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	240371	20.87	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	163654	22.72	ug/l	99
56) Ethyl methacrylate	10.43	69	190407	20.75	ug/l	100
57) 1,3-Dichloropropane	10.71	76	256505	21.86	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	420919	97.70	ug/l	100
59) 2-Hexanone	10.75	43	554771	111.86	ug/l	99
60) Dibromochloromethane	10.90	129	172574	21.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	157864	22.08	ug/l	99
64) Tetrachloroethene	10.63	164	160909	20.51	ug/l	99
65) Chlorobenzene	11.44	112	427878	20.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167358	21.13	ug/l	100
67) Ethyl Benzene	11.51	91	705908	21.32	ug/l	100
68) m/p-Xylenes	11.63	106	551510	44.03	ug/l	100
69) o-Xylene	11.95	106	264644	22.16	ug/l	97
70) Styrene	11.97	104	433059	20.94	ug/l	99
71) Bromoform	12.13	173	122041	21.18	ug/l #	99
73) Isopropylbenzene	12.25	105	689772	20.78	ug/l	98
74) N-amyl acetate	12.07	43	219204	21.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	212265	22.99	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	246408	30.98	ug/l #	100
77) Bromobenzene	12.53	156	187983	20.44	ug/l	98
78) n-propylbenzene	12.59	91	798828	21.53	ug/l	100
79) 2-Chlorotoluene	12.68	91	489801	21.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	581691	22.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49190	19.62	ug/l	97
82) 4-Chlorotoluene	12.78	91	492153	21.62	ug/l	98
83) tert-Butylbenzene	12.99	119	495279	21.74	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	597910	22.72	ug/l	99
85) sec-Butylbenzene	13.17	105	662917	21.78	ug/l	100
86) p-Isopropyltoluene	13.29	119	565648	22.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	327334	20.99	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	324809	21.37	ug/l	99
89) n-Butylbenzene	13.62	91	441005	20.91	ug/l	100
90) Hexachloroethane	13.88	117	95926	16.84	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	329792	21.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34239	22.71	ug/l	97

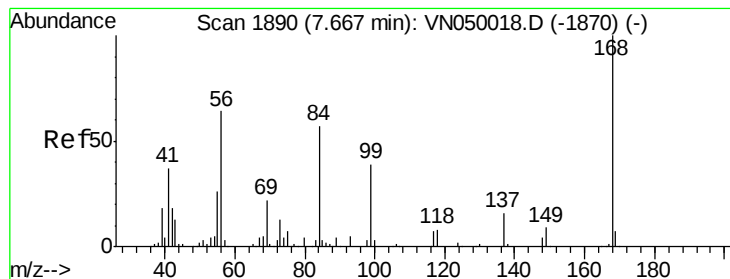
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165941	21.92	ug/l	98
94) Hexachlorobutadiene	15.01	225	93602	19.62	ug/l	99
95) Naphthalene	15.14	128	387066	22.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	167176	22.05	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

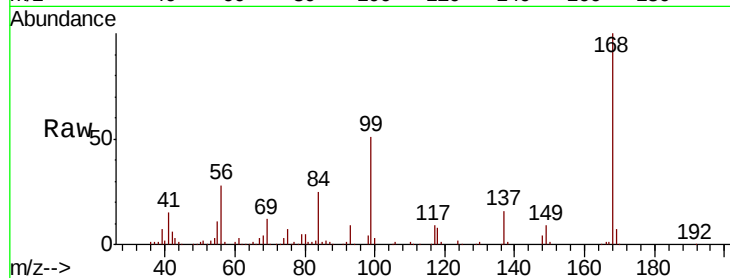
VN0803WBS03

Tot Ion:168 Resp: 593891

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

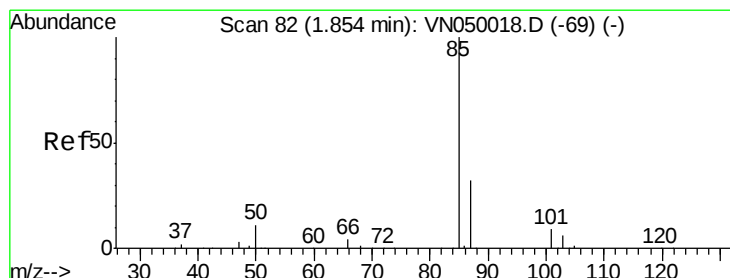
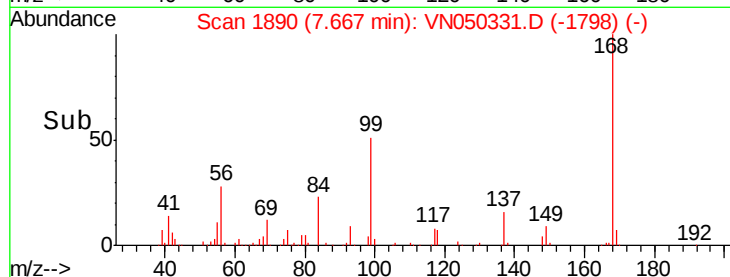
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.24 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050331.D

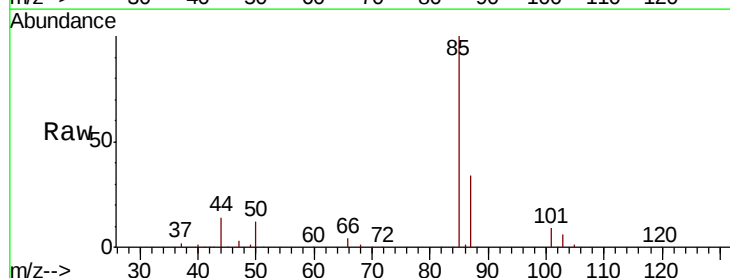
Acq: 3 Aug 2018 23:41

Tgt Ion: 85 Resp: 164144

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

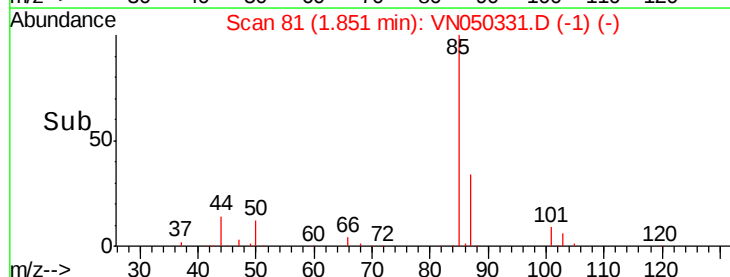
1.85

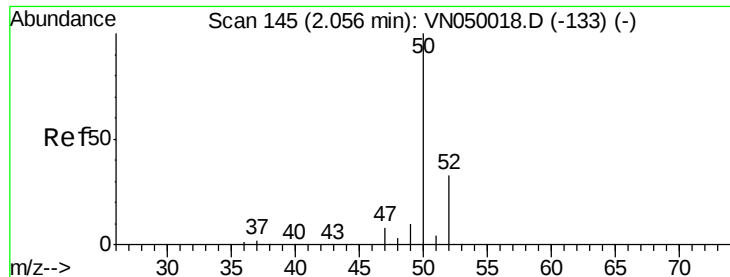
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.58 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

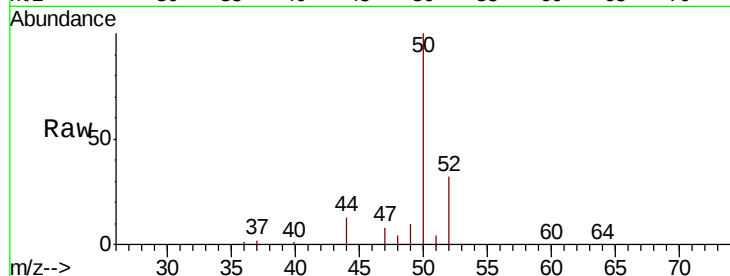
VN0803WBS03

Tot Ion: 50 Resp: 163106

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

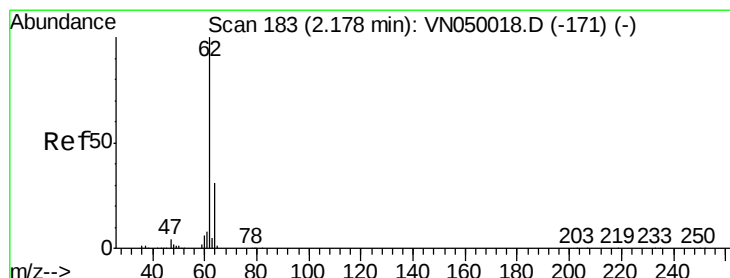
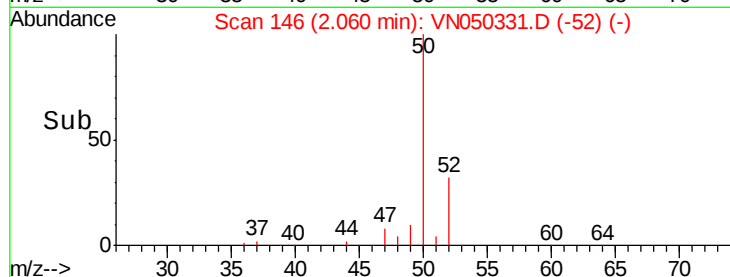
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.60 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050331.D

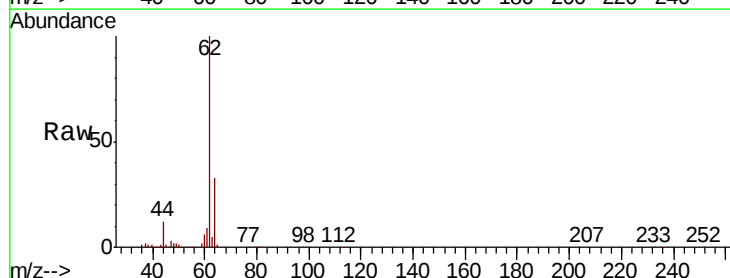
Acq: 3 Aug 2018 23:41

Tgt Ion: 62 Resp: 181646

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

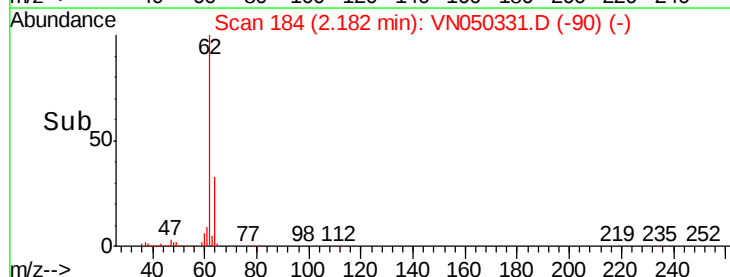
2.18

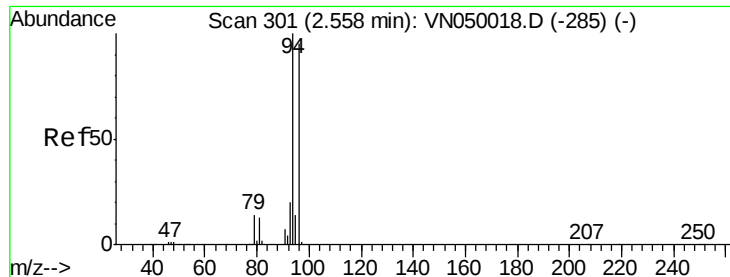
100000

50000

0

Time-->





#5

Bromomethane

Concen: 15.30 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

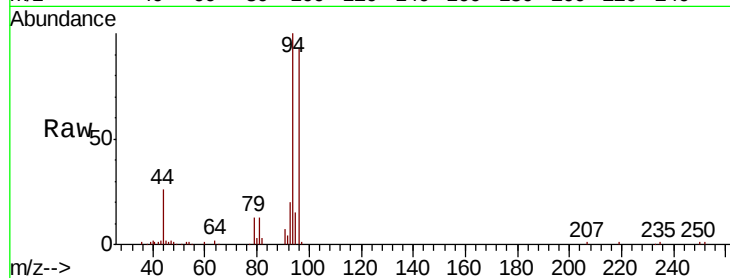
VN0803WBS03

Tot Ion: 94 Resp: 86784

Ion Ratio Lower Upper

94 100

96 93.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

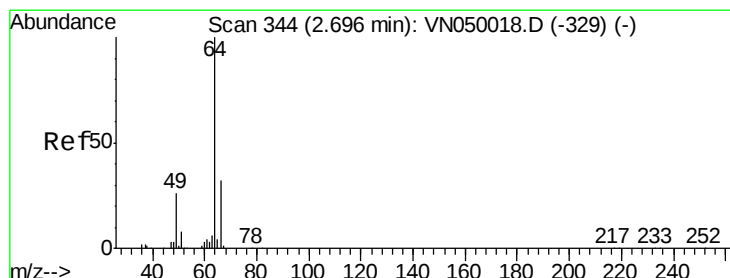
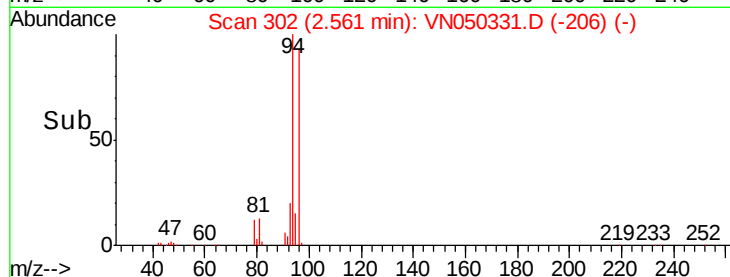
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.52 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050331.D

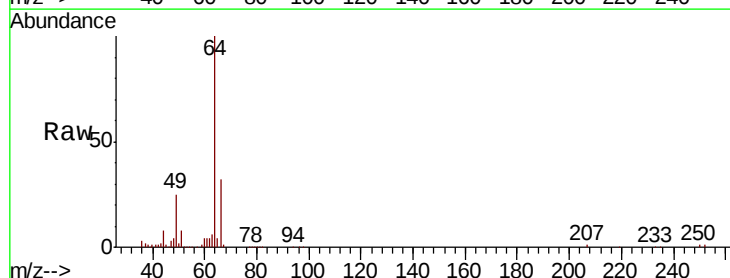
Acq: 3 Aug 2018 23:41

Tgt Ion: 64 Resp: 108651

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

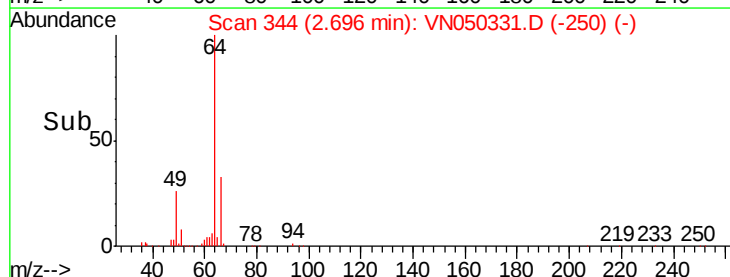
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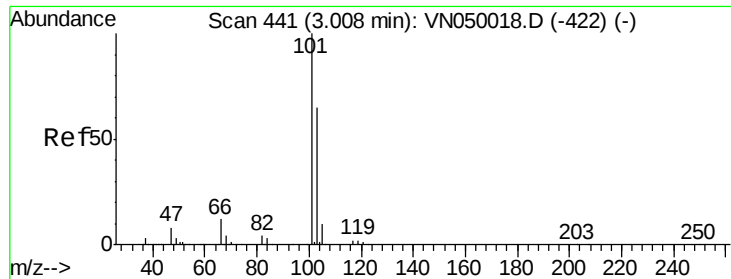
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20000

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Time-->



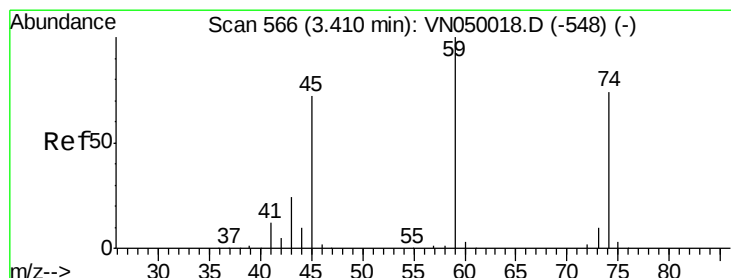
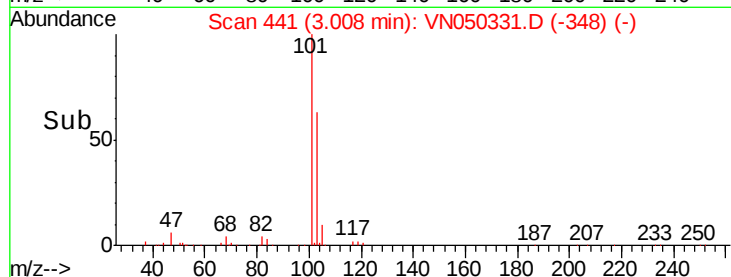
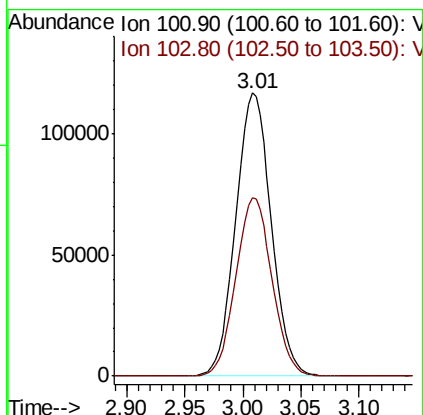
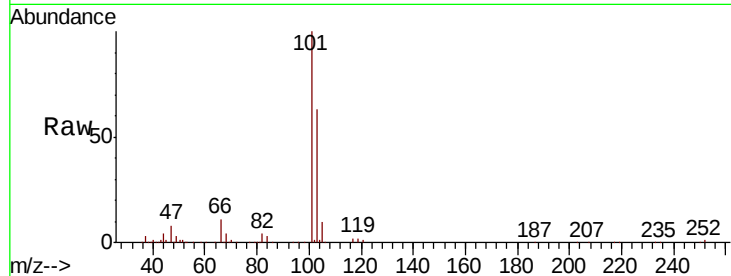


#7

Trichlorofluoromethane
 Concen: 19.64 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

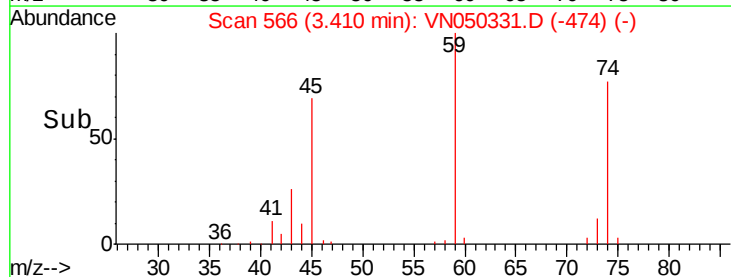
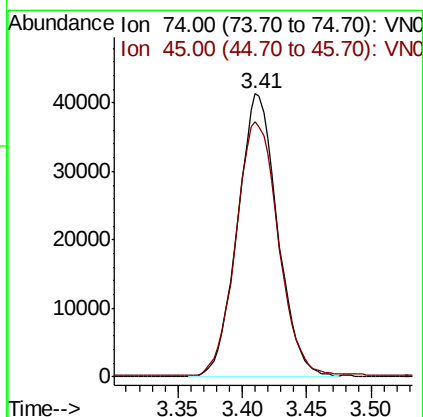
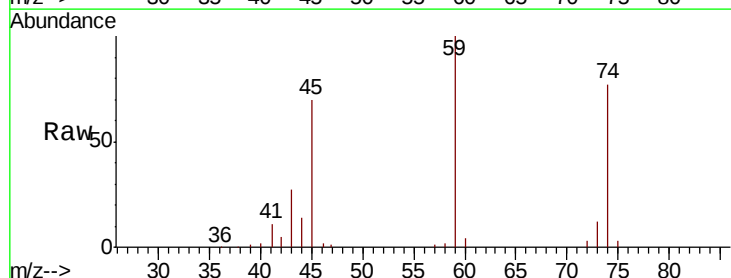
Tot Ion:101 Resp: 248561
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.7 77.5

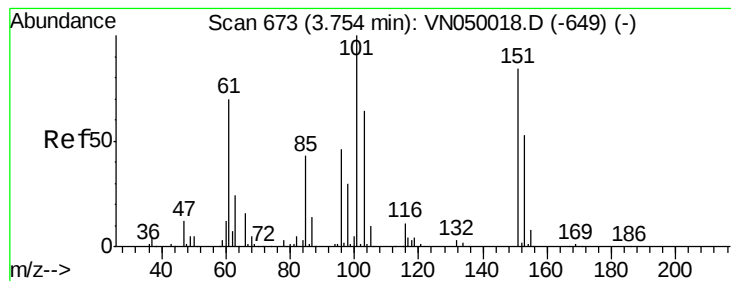


#8

Diethyl Ether
 Concen: 21.17 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 74 Resp: 89289
 Ion Ratio Lower Upper
 74 100
 45 94.4 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.98 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

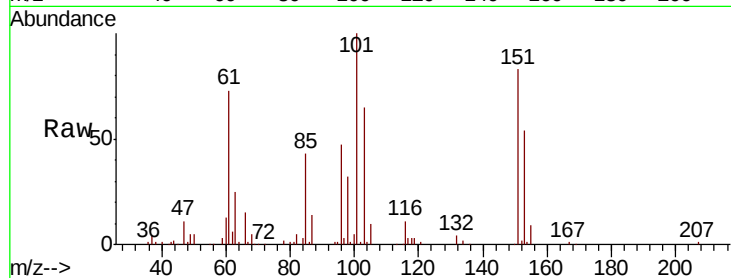
Tot Ion:101 Resp: 152036

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

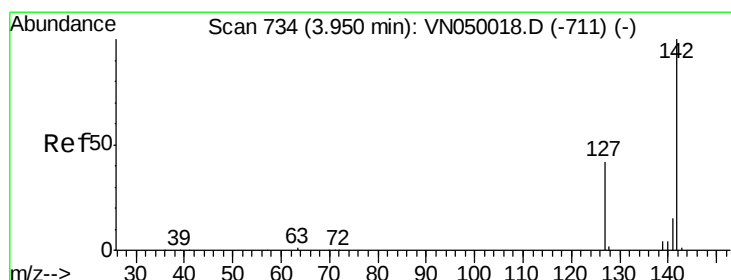
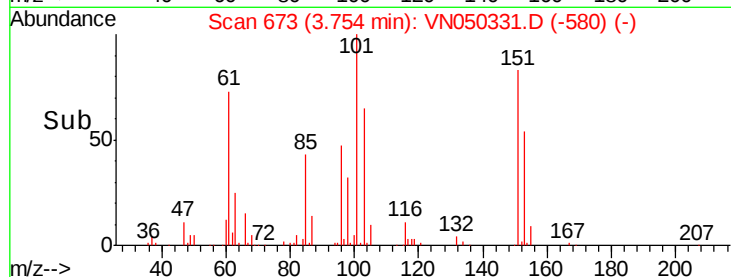
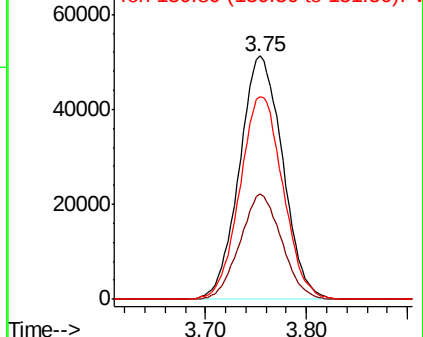
151 83.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.36 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

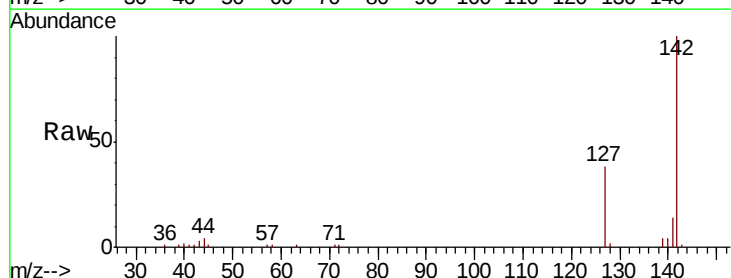
Tgt Ion:142 Resp: 81609

Ion Ratio Lower Upper

142 100

127 41.3 33.4 50.2

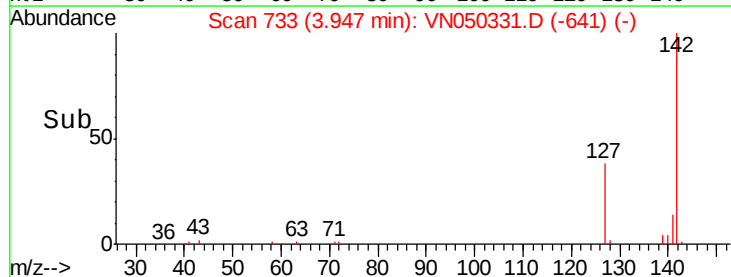
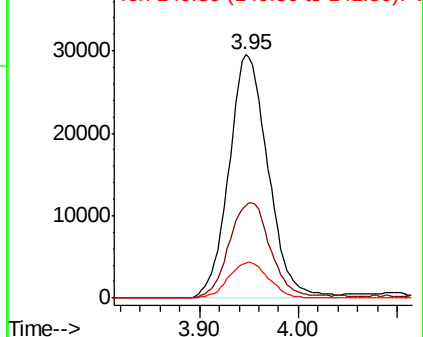
141 15.0 11.6 17.4

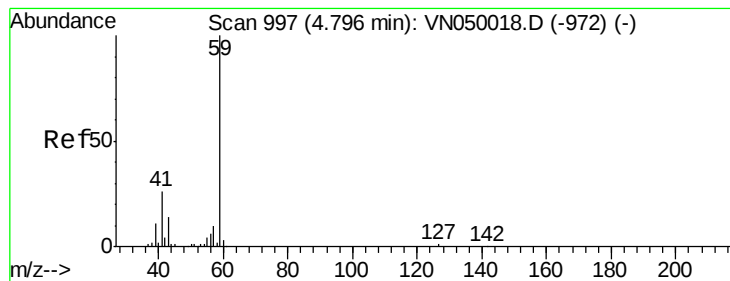


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



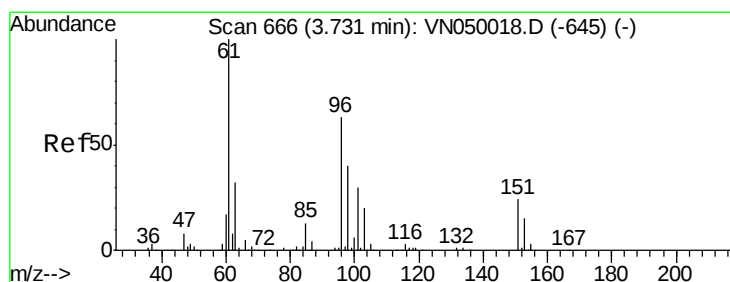
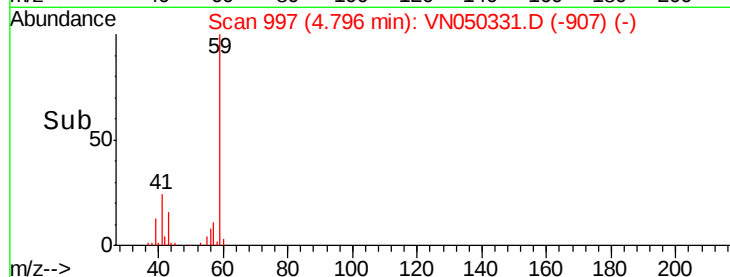
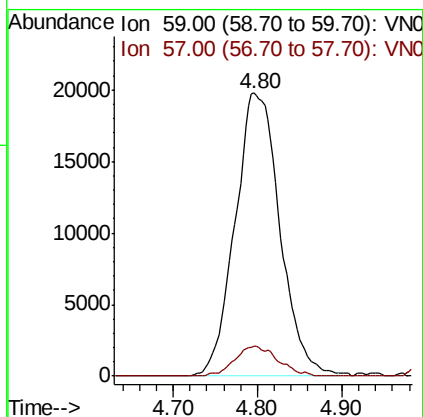
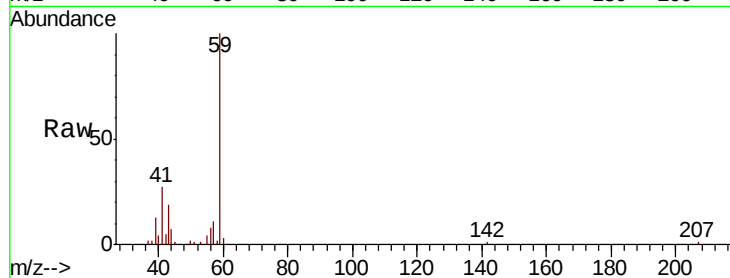


#11

Tert butyl alcohol
 Concen: 120.16 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

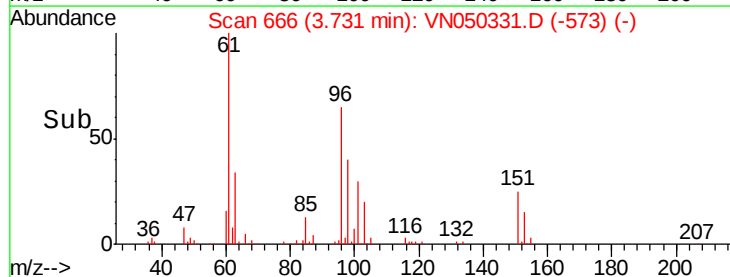
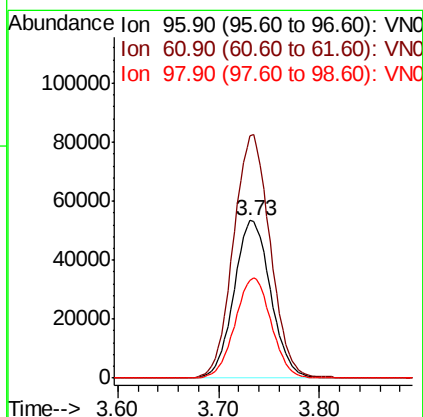
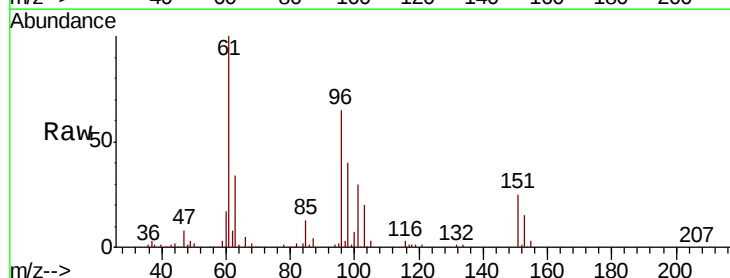
Tot Ion: 59 Resp: 73257
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

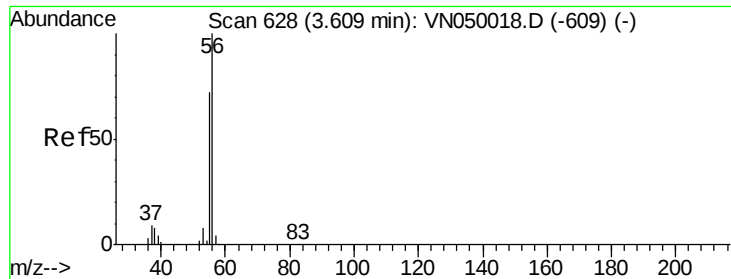


#12

1,1-Dichloroethene
 Concen: 19.75 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 96 Resp: 135212
 Ion Ratio Lower Upper
 96 100
 61 153.4 124.4 186.6
 98 62.1 48.3 72.5





#13

Acrolein

Concen: 146.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

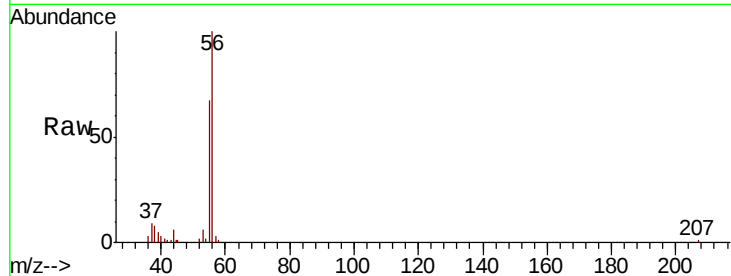
VN0803WBS03

Tot Ion: 56 Resp: 71738

Ion Ratio Lower Upper

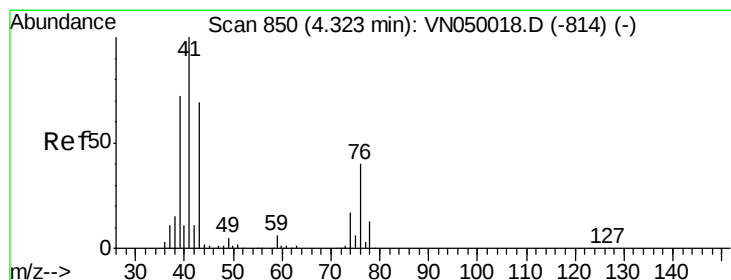
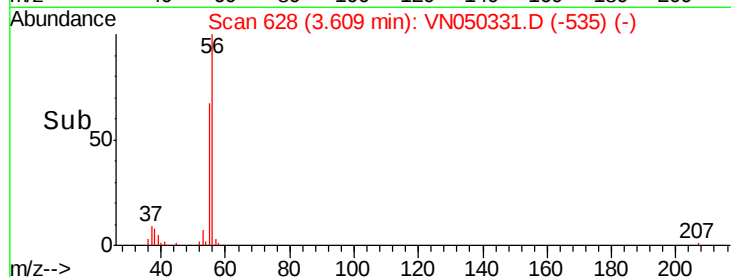
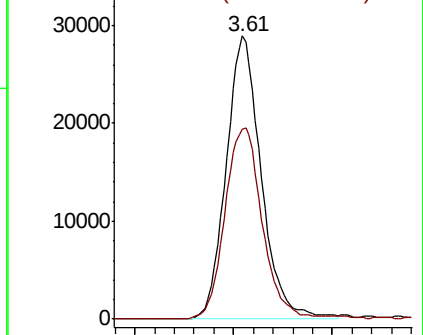
56 100

55 71.3 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.78 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

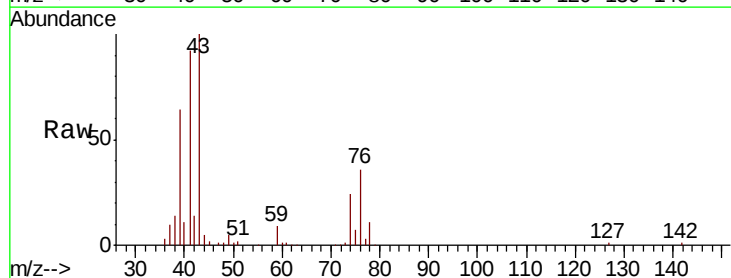
Tgt Ion: 41 Resp: 209896

Ion Ratio Lower Upper

41 100

39 66.5 54.2 81.4

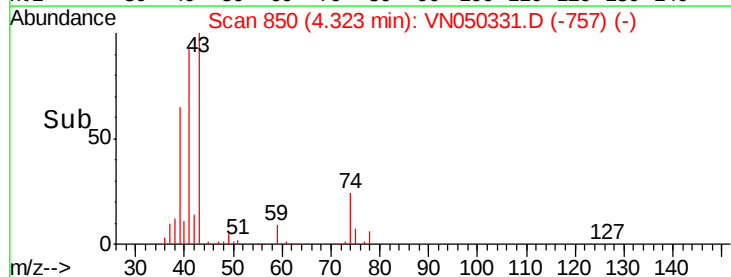
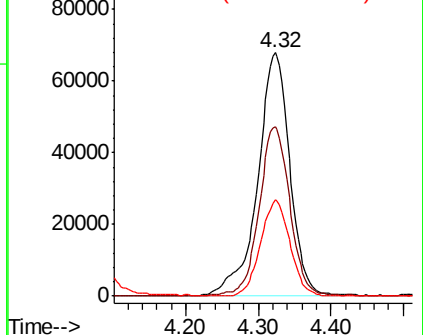
76 35.4 29.0 43.6

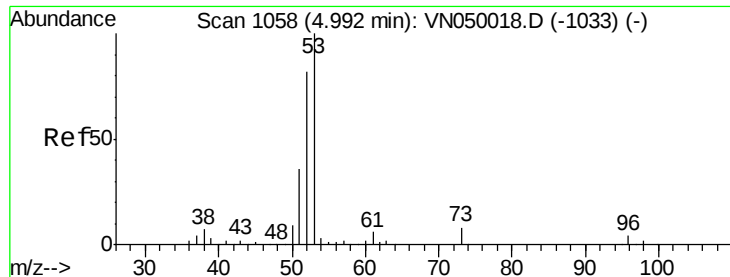


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.73 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

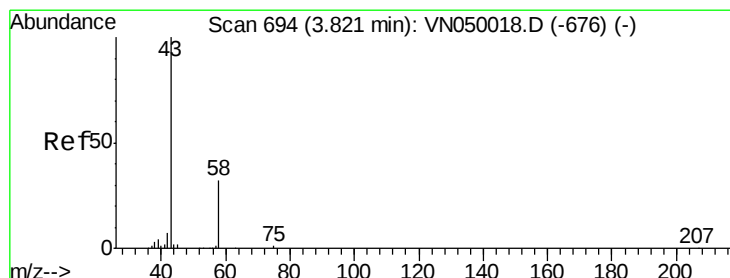
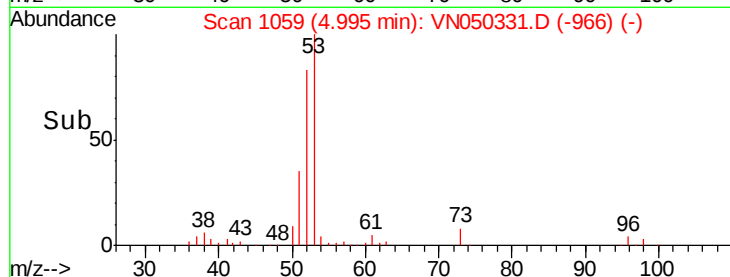
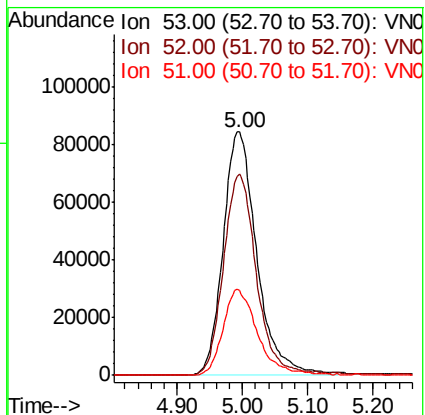
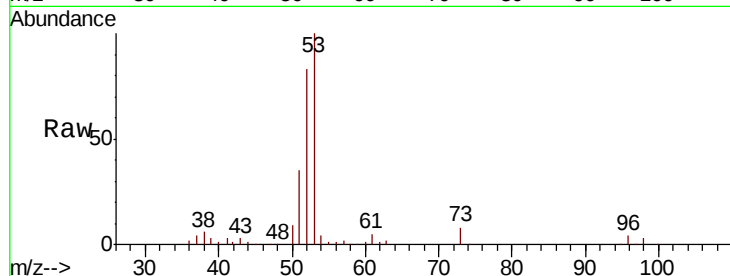
Tot Ion: 53 Resp: 302508

Ion Ratio Lower Upper

53 100

52 80.9 66.2 99.2

51 36.3 29.3 43.9



#16

Acetone

Concen: 124.71 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050331.D

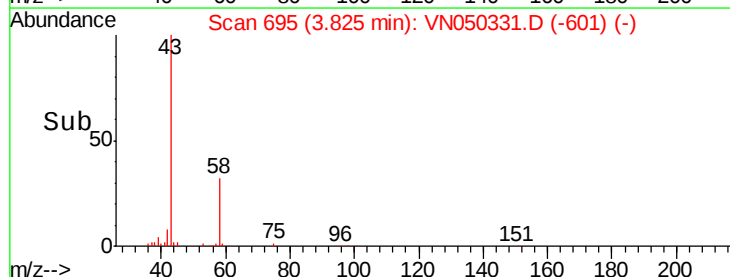
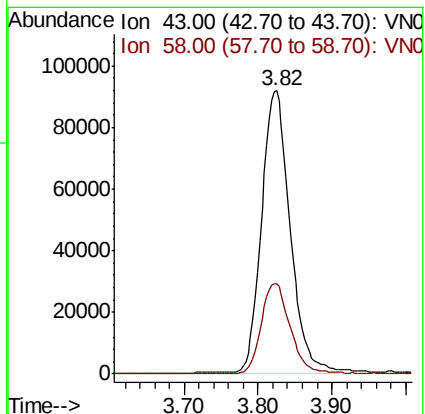
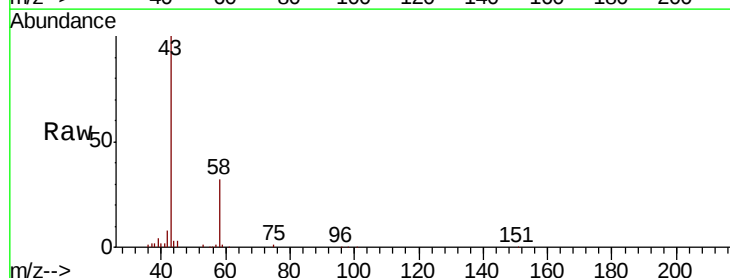
Acq: 3 Aug 2018 23:41

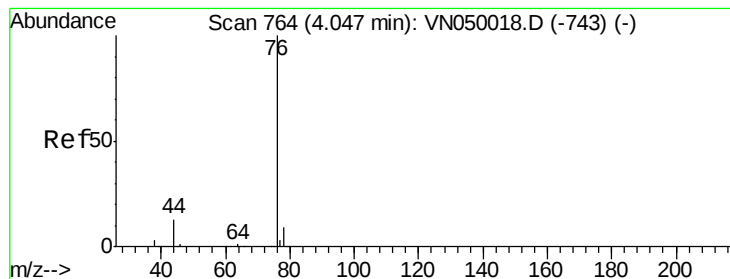
Tgt Ion: 43 Resp: 247657

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.8





#17

Carbon Disulfide

Concen: 16.30 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

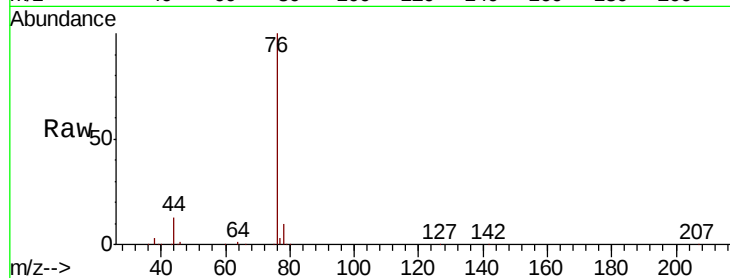
VN0803WBS03

Tot Ion: 76 Resp: 341826

Ion Ratio Lower Upper

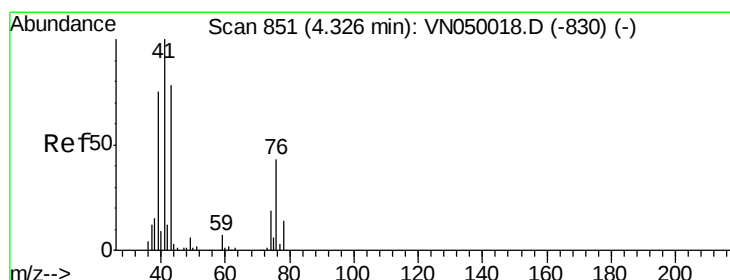
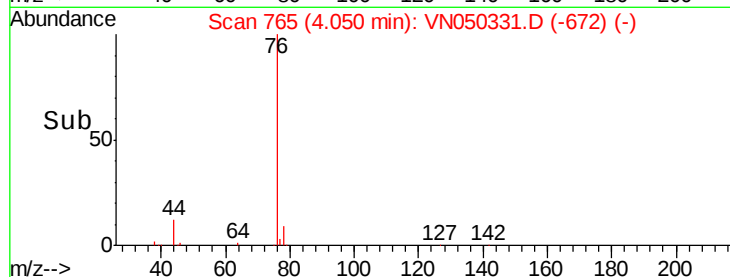
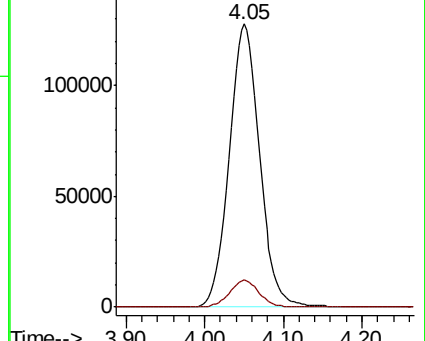
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)



#18

Methyl Acetate

Concen: 29.10 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050331.D

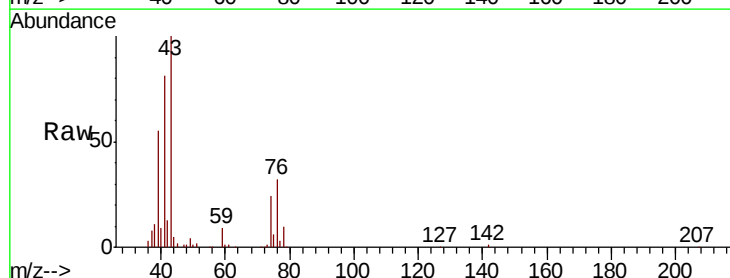
Acq: 3 Aug 2018 23:41

Tgt Ion: 43 Resp: 226080

Ion Ratio Lower Upper

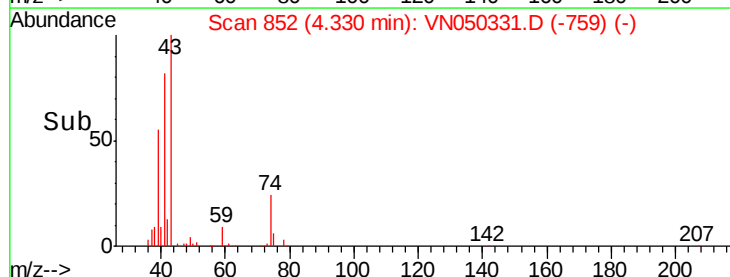
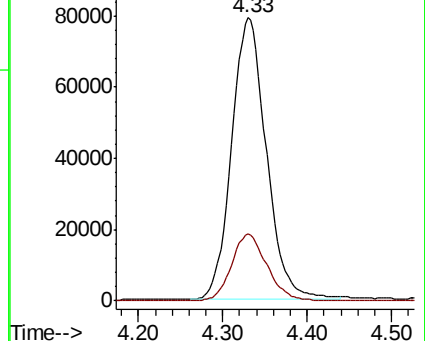
43 100

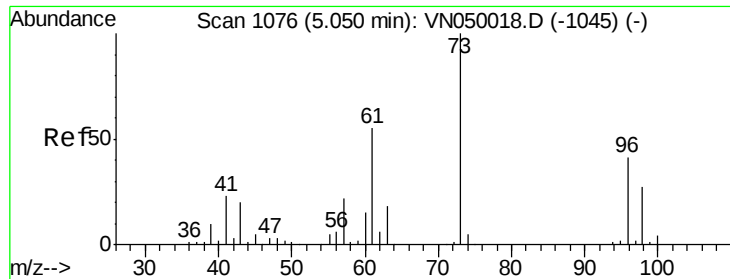
74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050018.D (-830) (-)

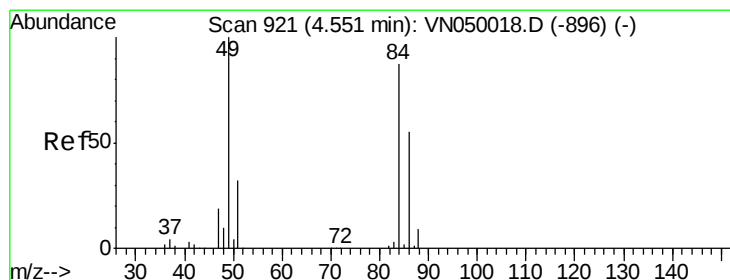
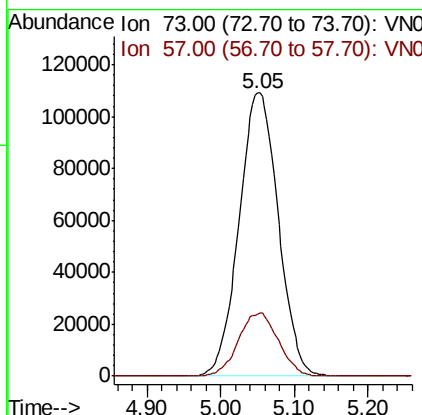
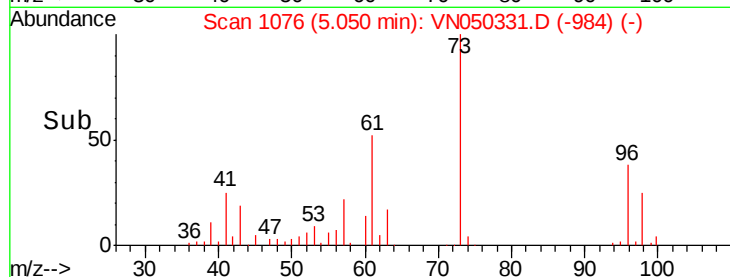
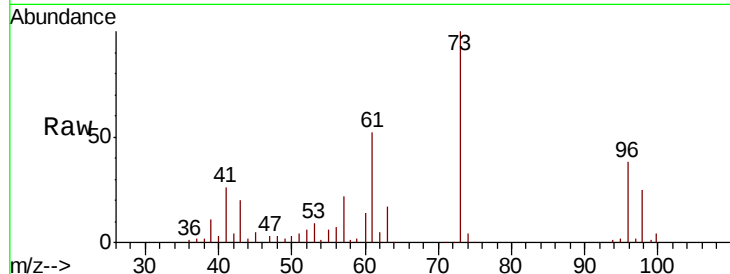




#19
Methyl tert-butyl Ether
Concen: 22.16 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

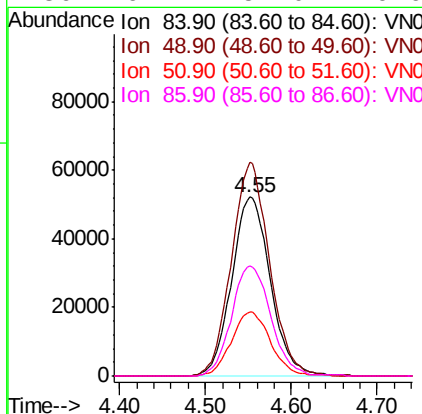
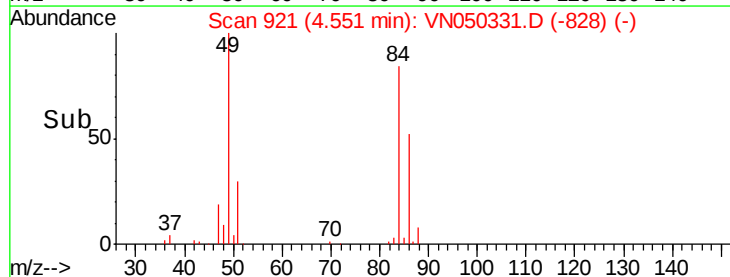
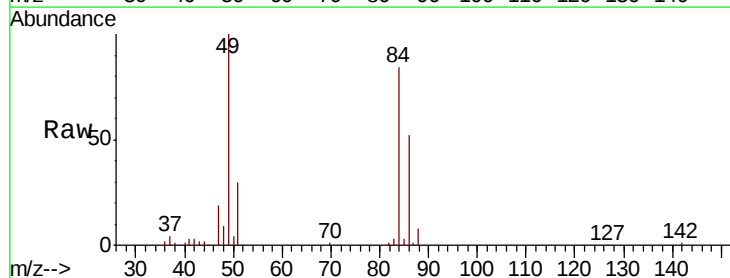
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

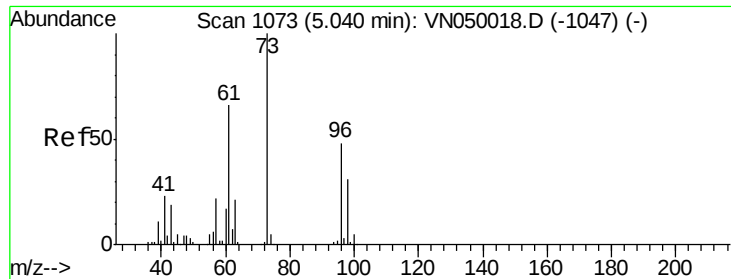
Tot Ion: 73 Resp: 404266
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 21.46 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 84 Resp: 162943
Ion Ratio Lower Upper
84 100
49 119.4 94.8 142.2
51 36.1 28.3 42.5
86 61.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.66 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

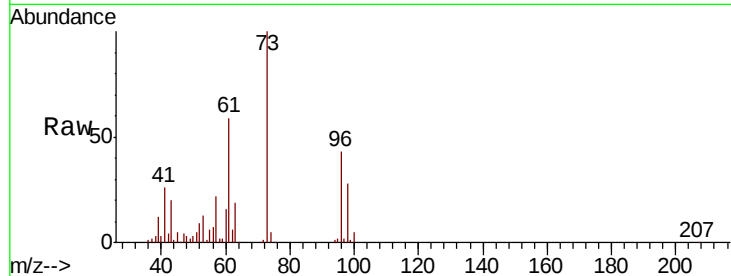
Tot Ion: 96 Resp: 142608

Ion Ratio Lower Upper

96 100

61 136.5 110.7 166.1

98 63.9 51.6 77.4

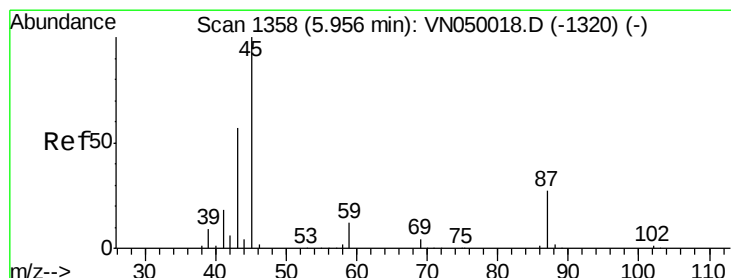
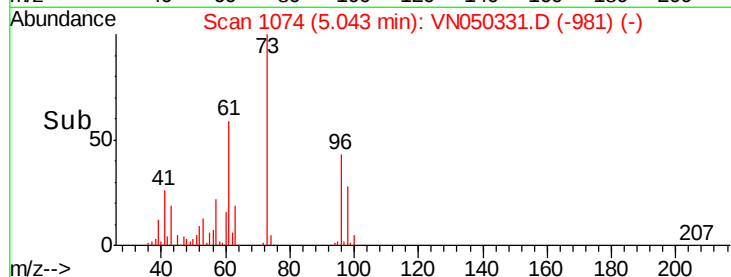
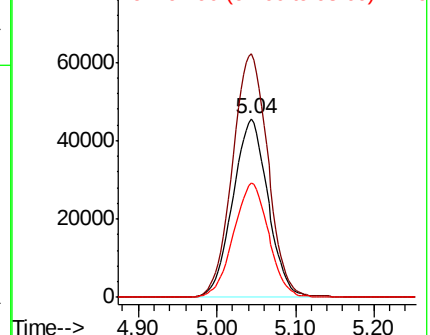


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 23.05 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion: 45 Resp: 485189

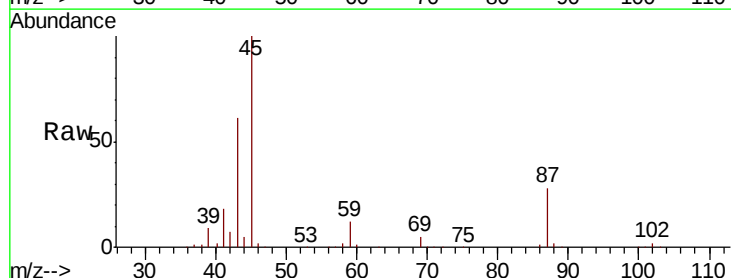
Ion Ratio Lower Upper

45 100

43 59.3 45.7 68.5

87 28.3 22.7 34.1

59 12.1 9.5 14.3



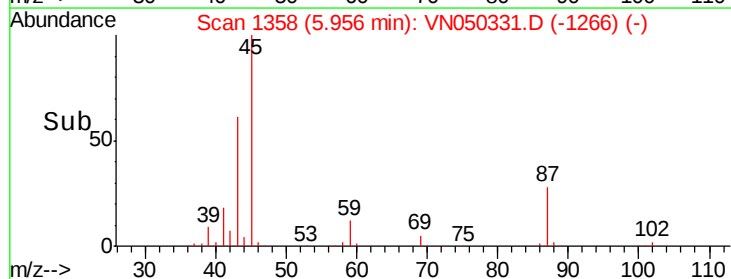
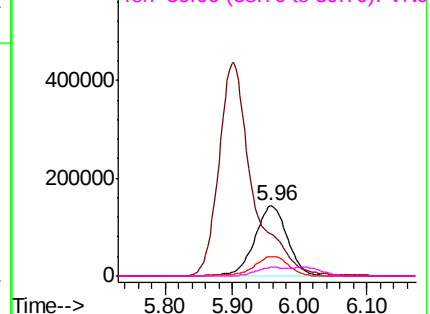
Abundance

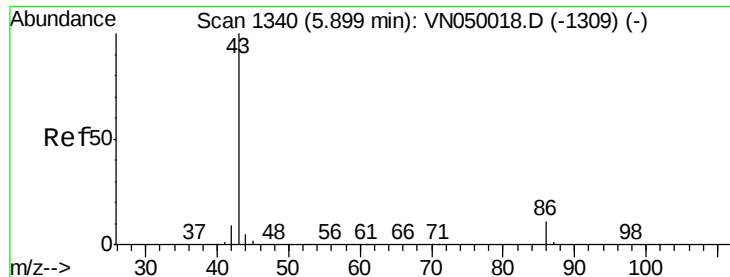
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 102.49 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

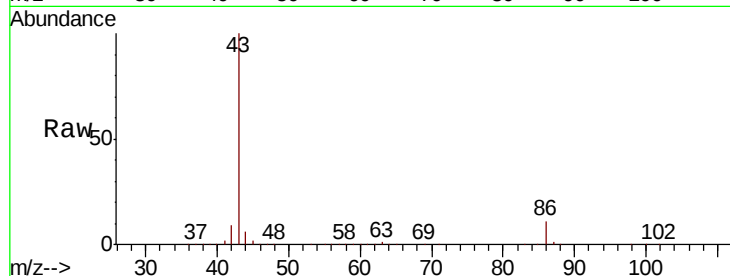
VN0803WBS03

Tot Ion: 43 Resp: 1524222

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1309) (-)

Ion 86.00 (85.70 to 86.70): VN050018.D (-1309) (-)

5.90

400000

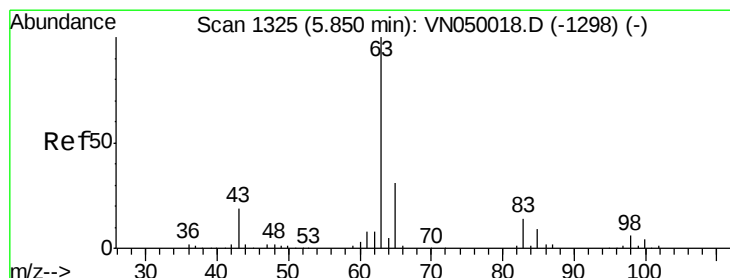
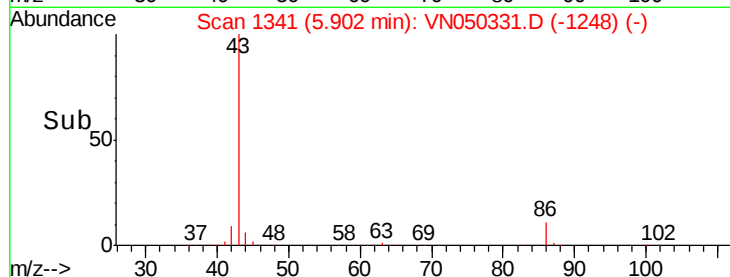
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.91 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

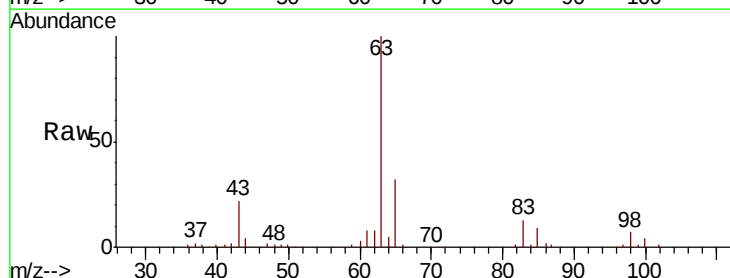
Tgt Ion: 63 Resp: 287714

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1298) (-)

Ion 99.90 (99.60 to 100.60): VN050018.D (-1298) (-)

5.85

120000

100000

80000

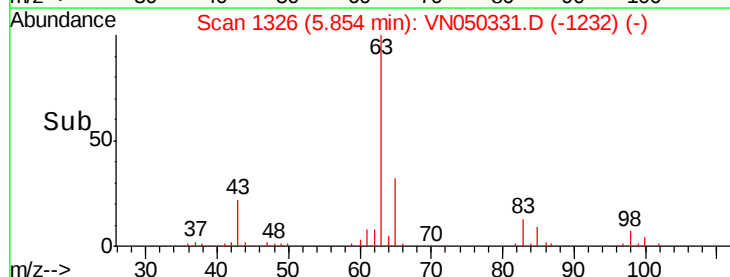
60000

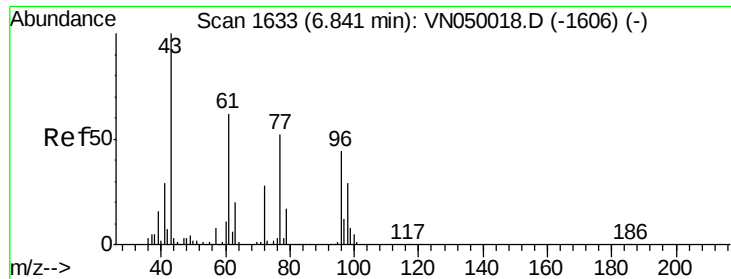
40000

20000

0

Time-->





#25

2-Butanone

Concen: 114.41 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

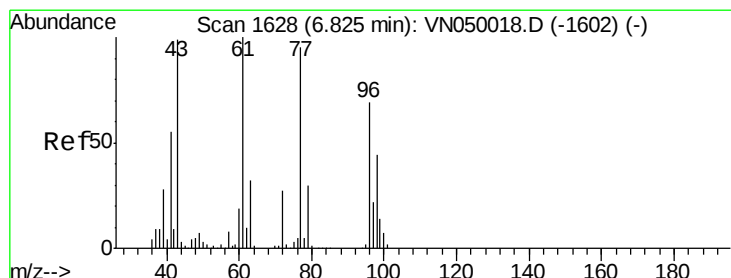
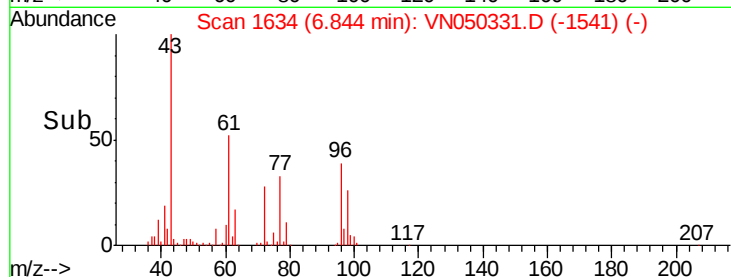
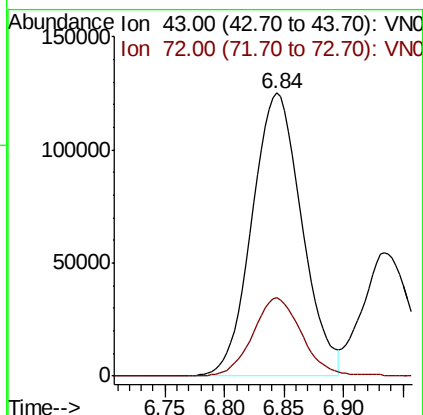
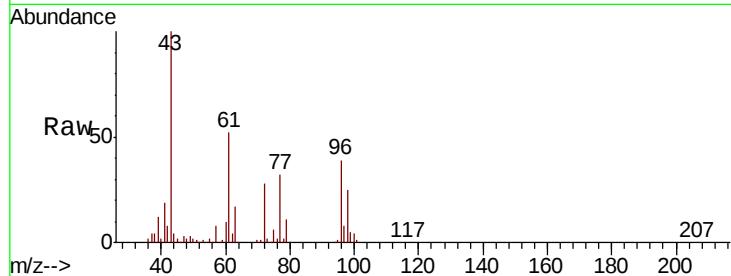
VN0803WBS03

Tot Ion: 43 Resp: 361607

Ion Ratio Lower Upper

43 100

72 27.8 21.5 32.3



#26

2,2-Dichloropropane

Concen: 16.76 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050331.D

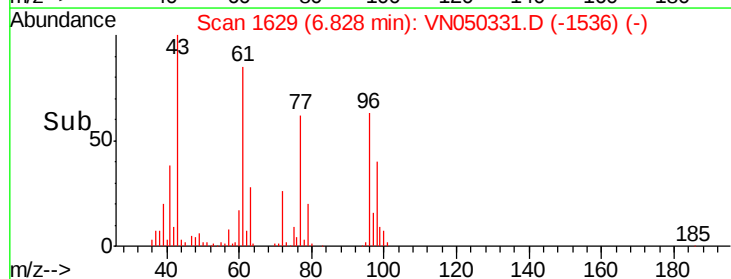
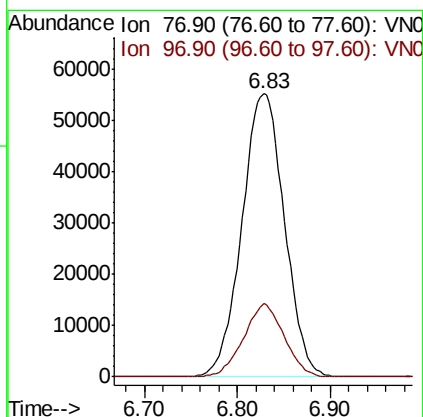
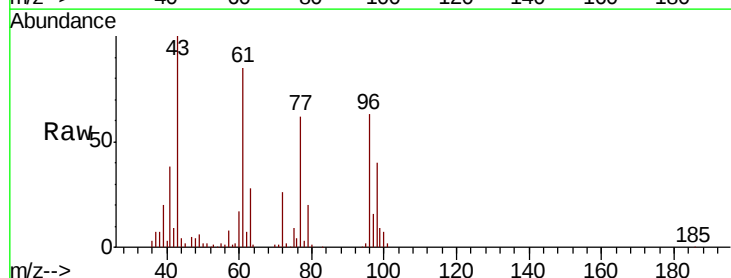
Acq: 3 Aug 2018 23:41

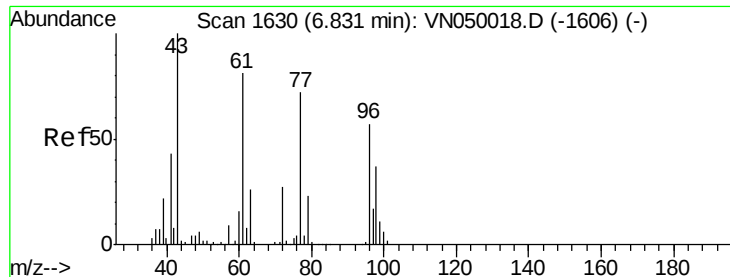
Tgt Ion: 77 Resp: 175485

Ion Ratio Lower Upper

77 100

97 24.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 21.19 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

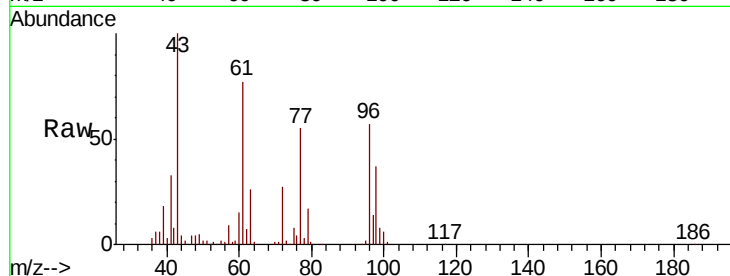
Tot Ion: 96 Resp: 165423

Ion Ratio Lower Upper

96 100

61 139.9 0.0 285.0

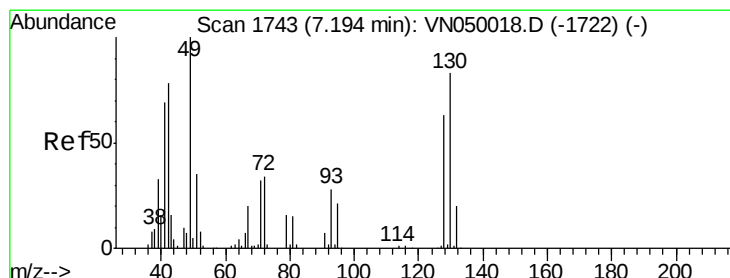
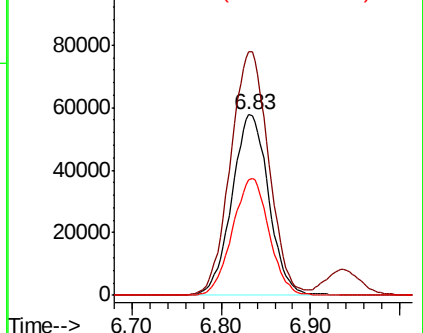
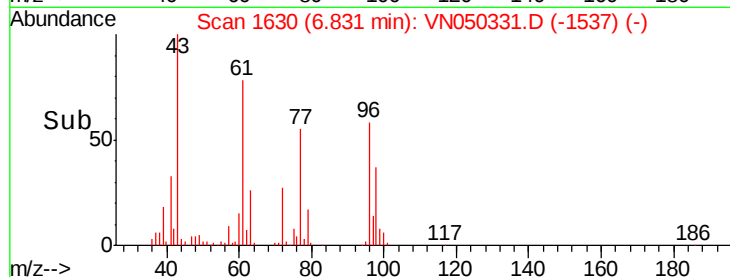
98 64.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.33 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

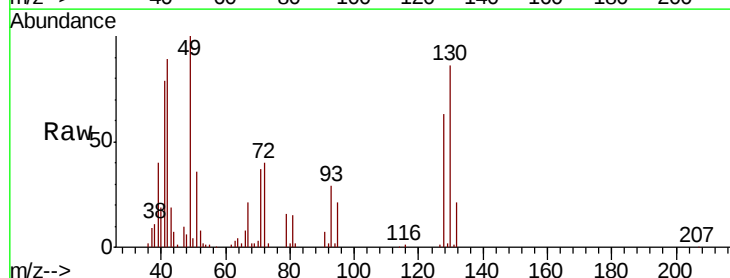
Tgt Ion: 49 Resp: 133866

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.0

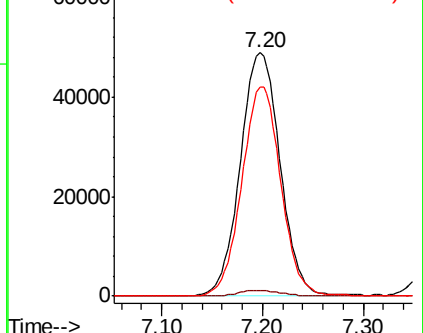
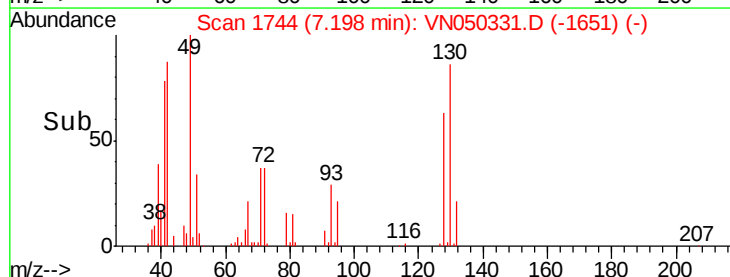
130 84.1 66.3 99.5

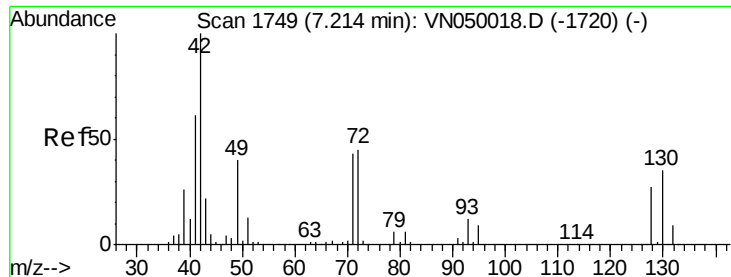


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 115.77 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

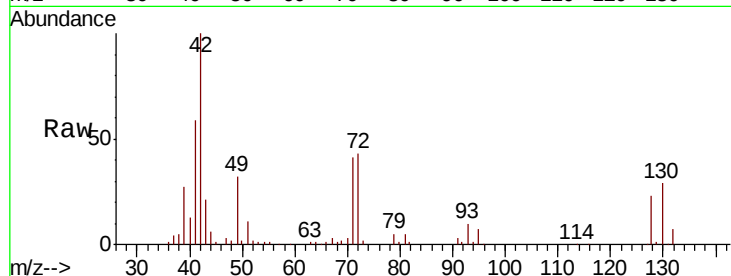
Tot Ion: 42 Resp: 236432

Ion Ratio Lower Upper

42 100

72 44.7 35.9 53.9

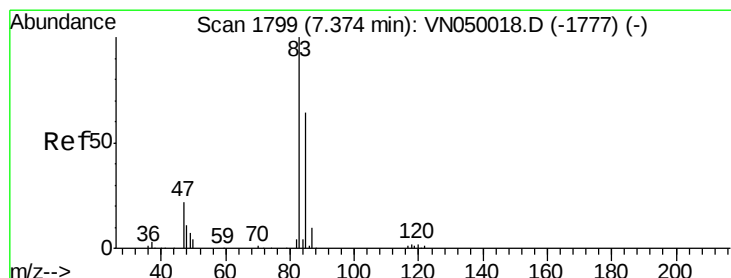
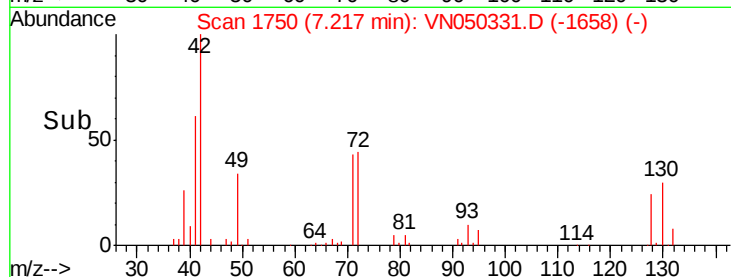
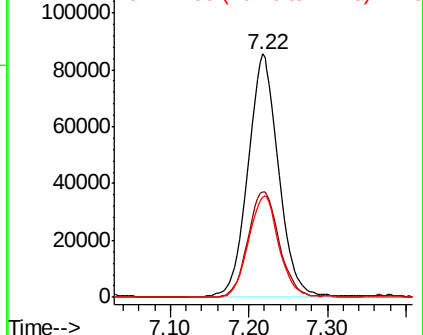
71 41.3 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.21 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050331.D

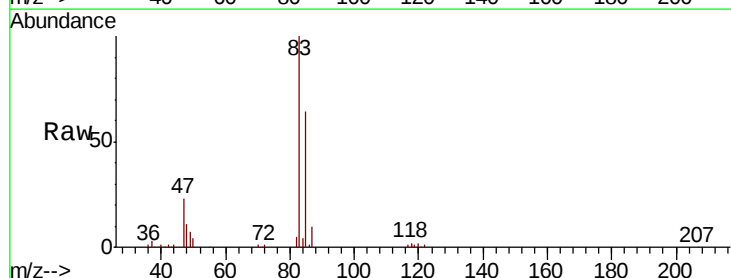
Acq: 3 Aug 2018 23:41

Tgt Ion: 83 Resp: 297919

Ion Ratio Lower Upper

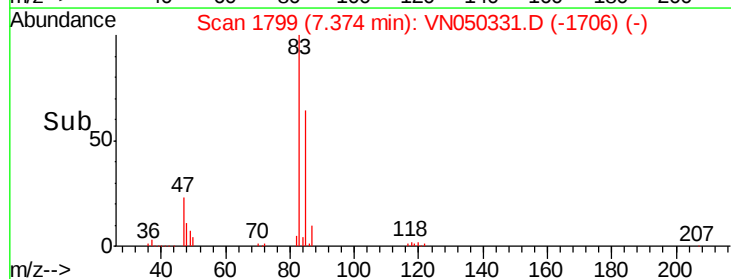
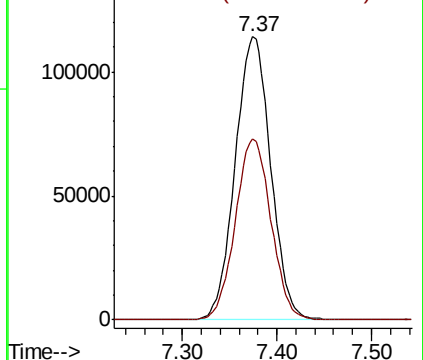
83 100

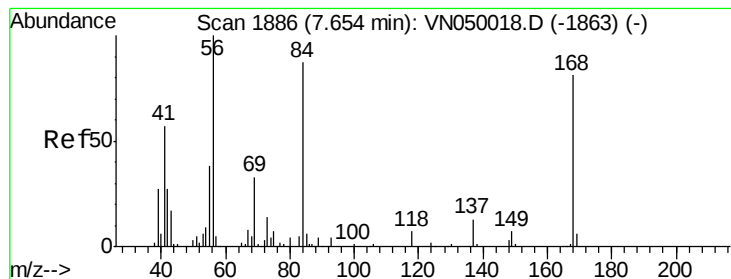
85 64.0 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 19.28 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

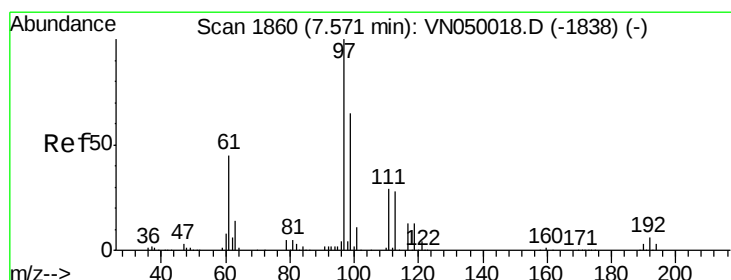
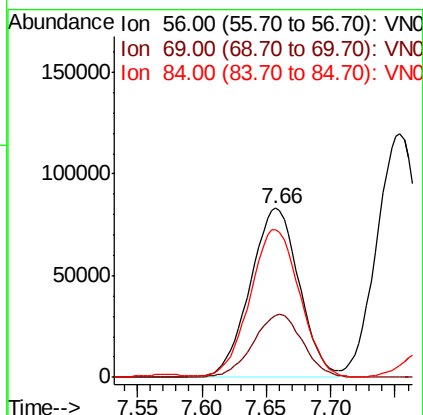
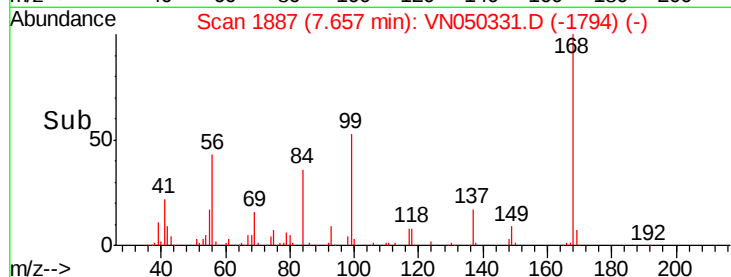
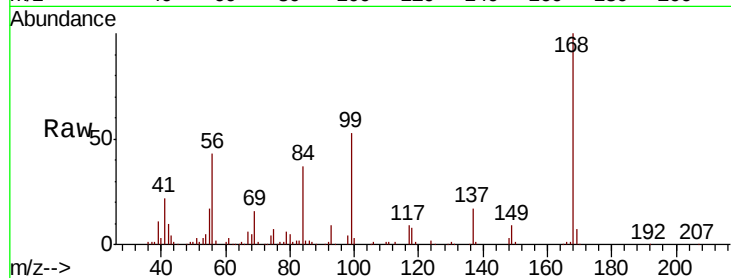
Tot Ion: 56 Resp: 220561

Ion Ratio Lower Upper

56 100

69 37.0 26.2 39.4

84 86.3 67.4 101.0



#32

1,1,1-Trichloroethane

Concen: 20.75 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

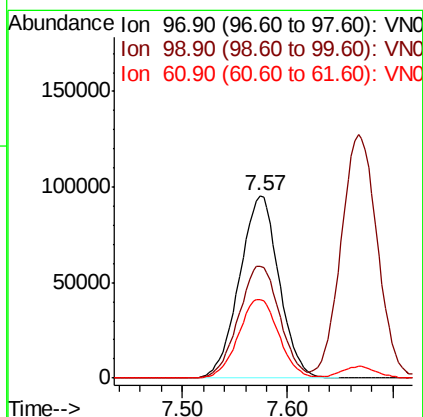
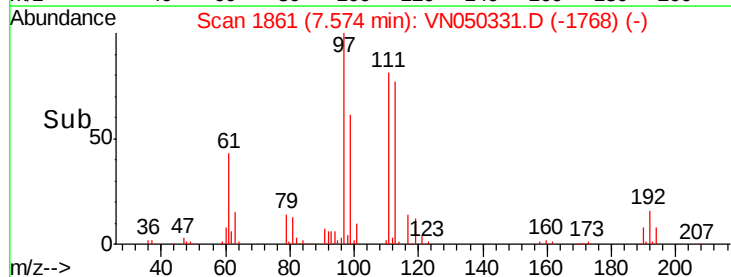
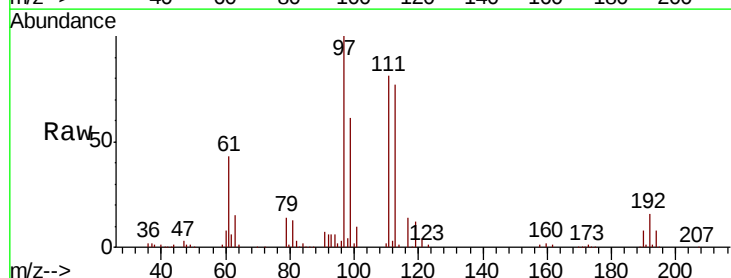
Tgt Ion: 97 Resp: 249234

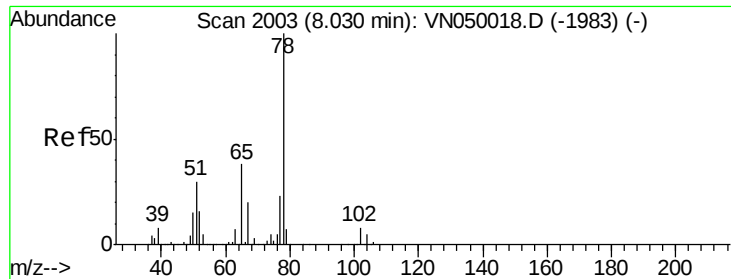
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 44.2 35.4 53.0

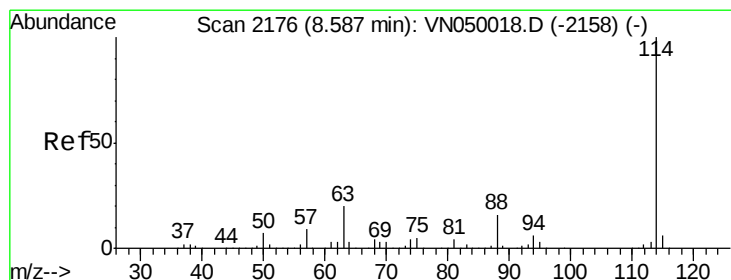
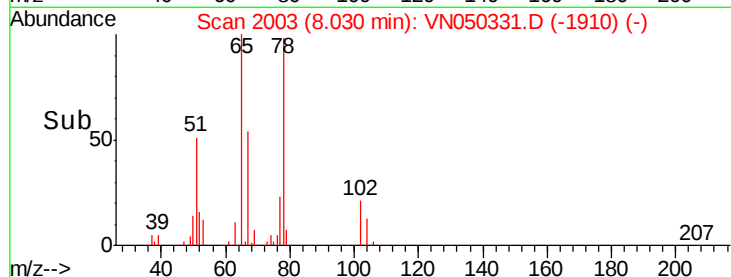
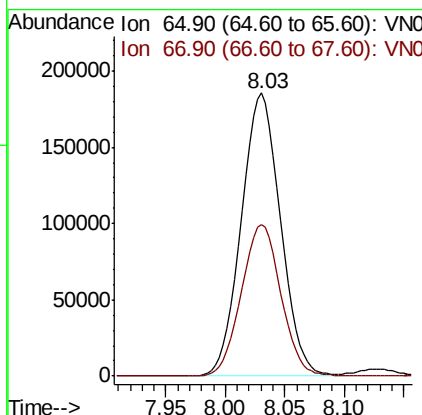
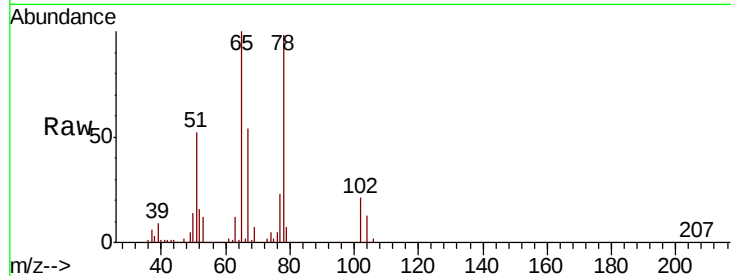




#33
 1,2-Dichloroethane-d4
 Concen: 51.24 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

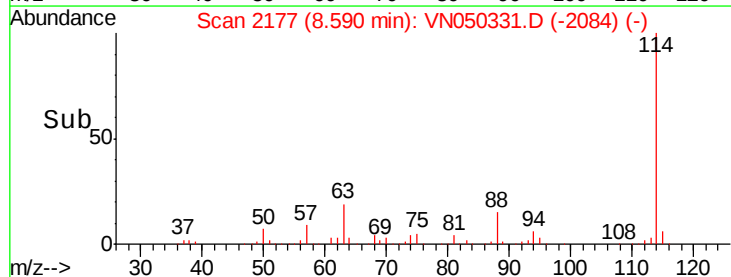
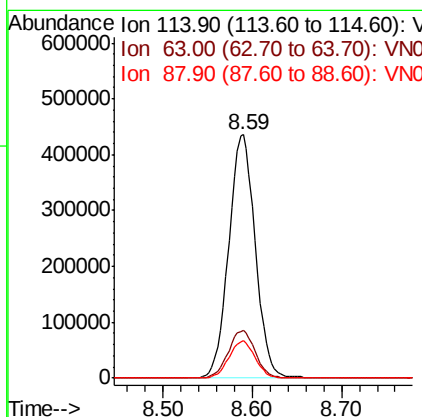
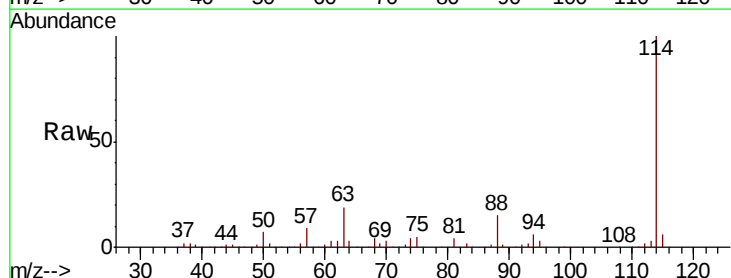
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

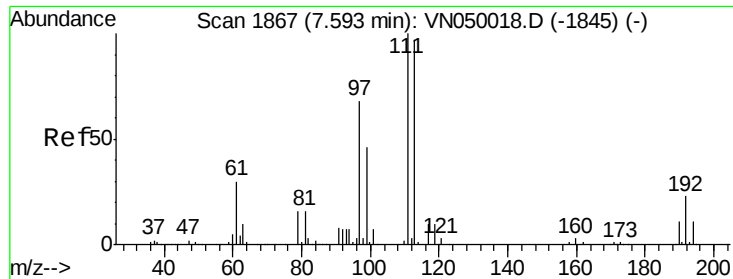
Tot Ion: 65 Resp: 424587
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 114 Resp: 897519
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.2 0.0 31.2

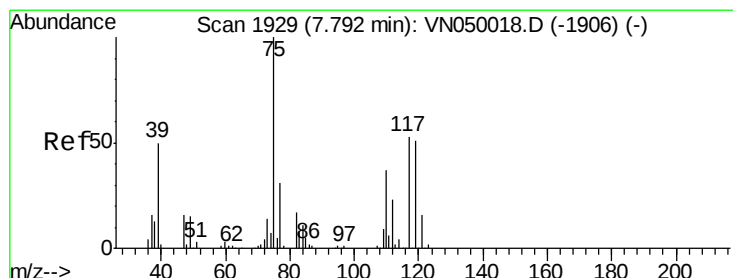
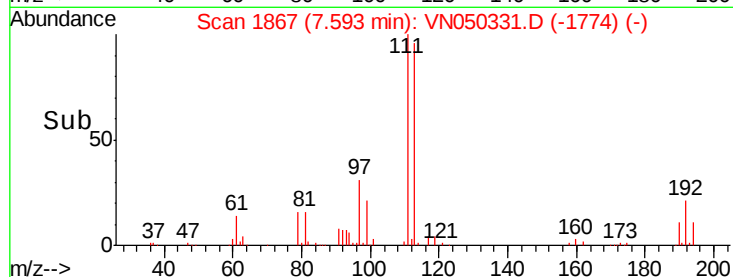
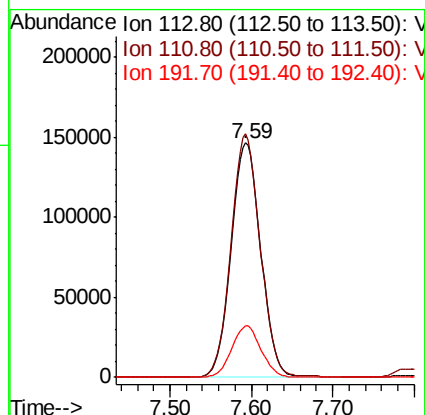
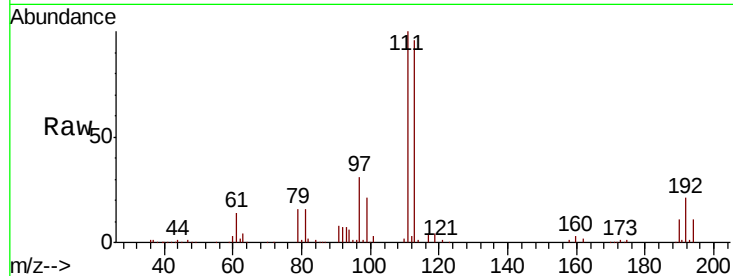




#35
Dibromofluoromethane
Concen: 50.79 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

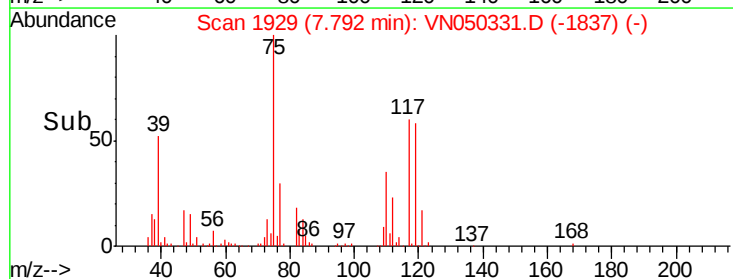
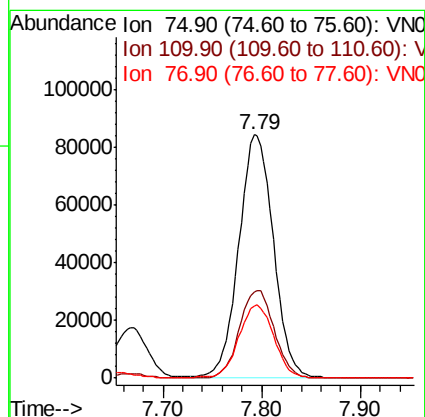
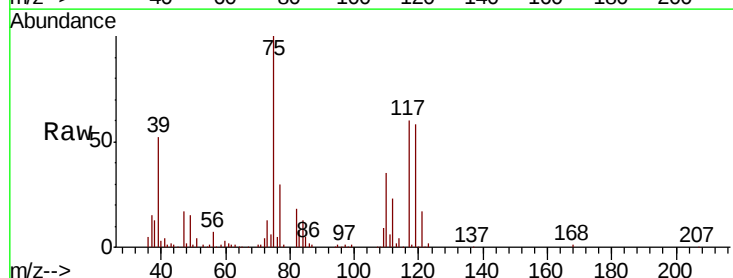
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

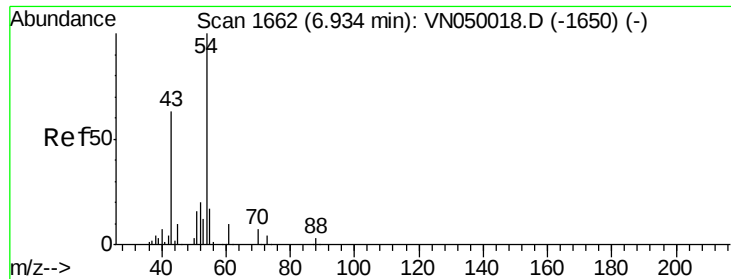
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	21.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 20.19 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.2
77	30.9	25.3	37.9

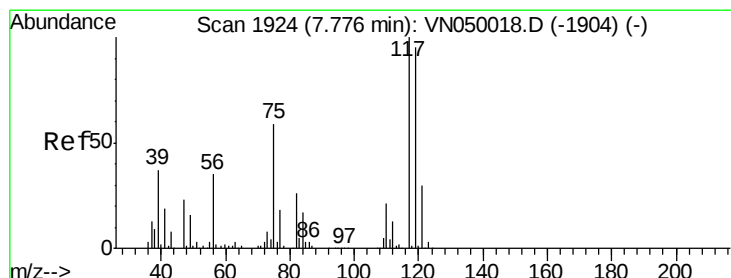
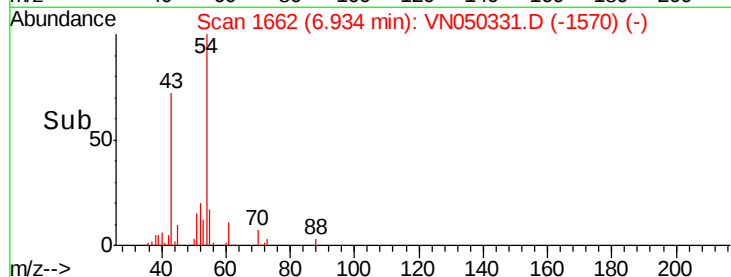
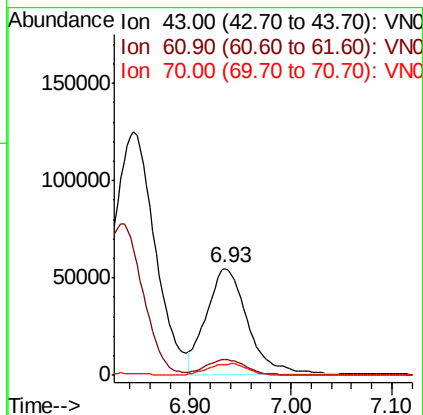
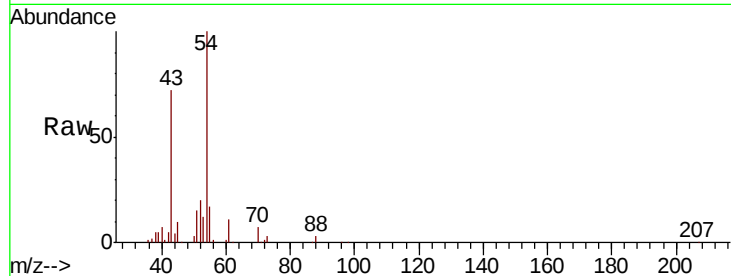




#37
Ethyl Acetate
Concen: 21.76 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

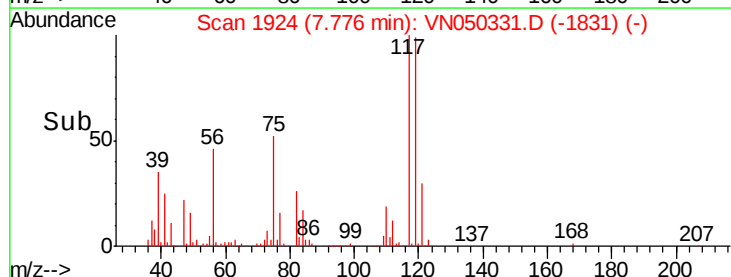
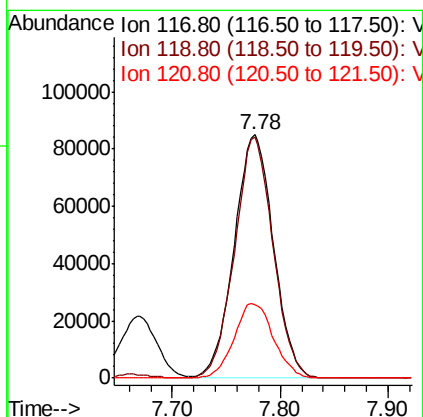
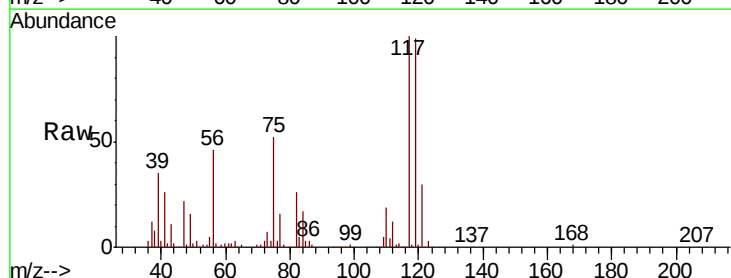
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

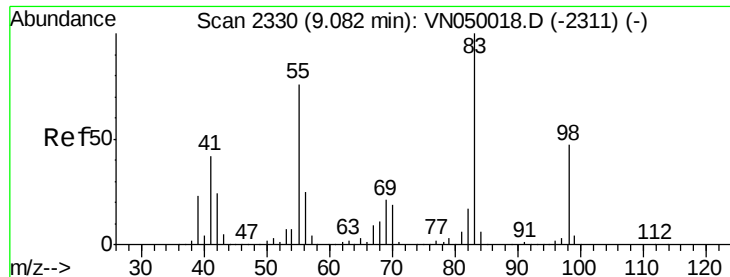
Tot Ion: 43 Resp: 153383
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.8
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.07 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 117 Resp: 215327
Ion Ratio Lower Upper
117 100
119 98.8 77.4 116.0
121 30.2 23.9 35.9

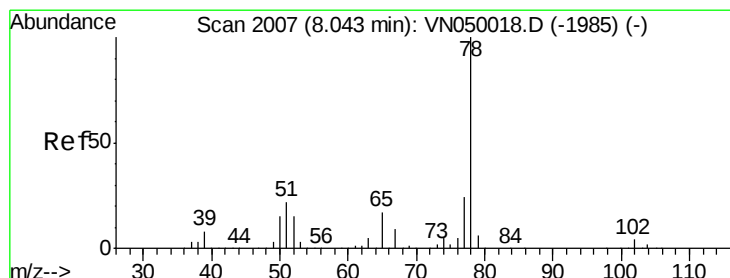
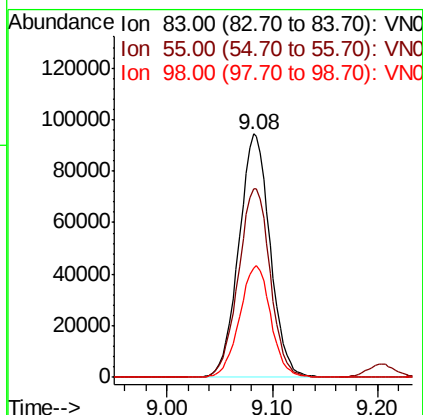
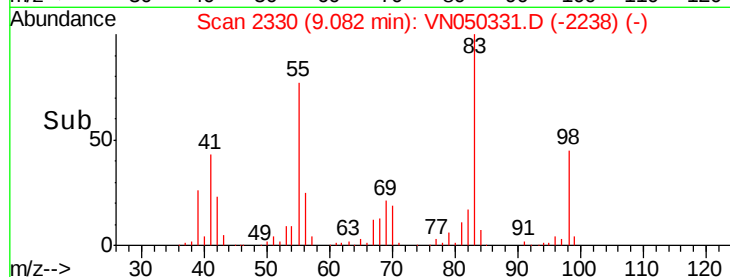
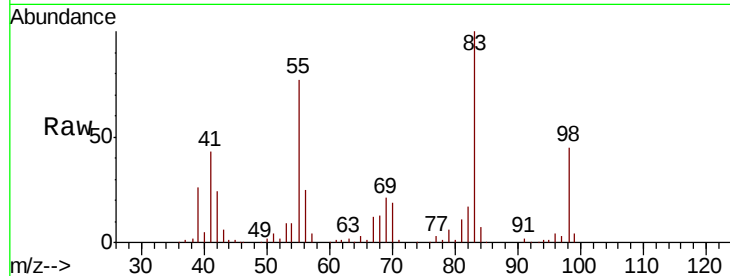




#39
Methvlcvclohexane
Concen: 18.69 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

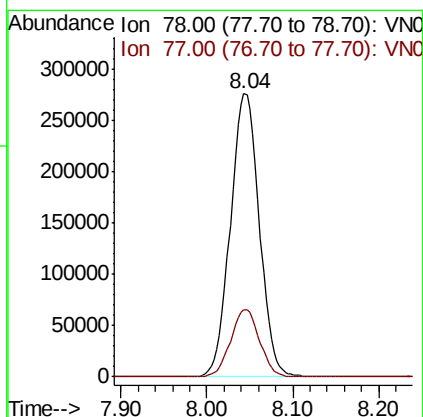
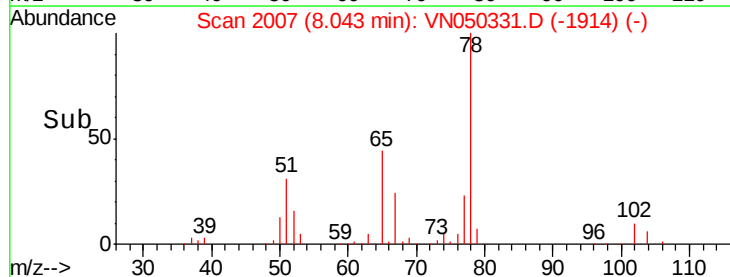
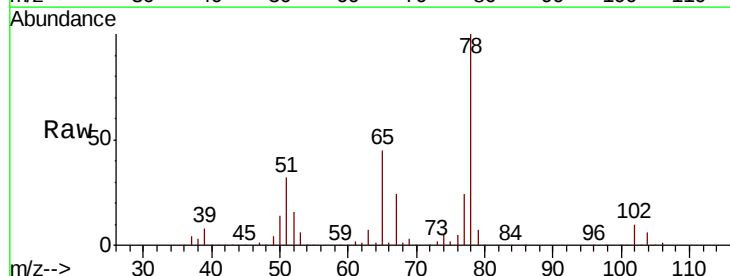
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

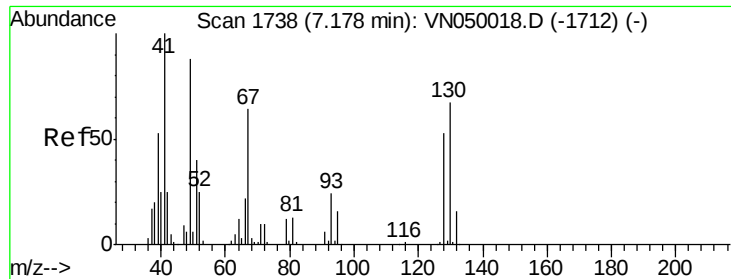
Tot Ion: 83 Resp: 194371
Ion Ratio Lower Upper
83 100
55 77.3 61.8 92.8
98 45.0 36.5 54.7



#40
Benzene
Concen: 20.96 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 78 Resp: 645040
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

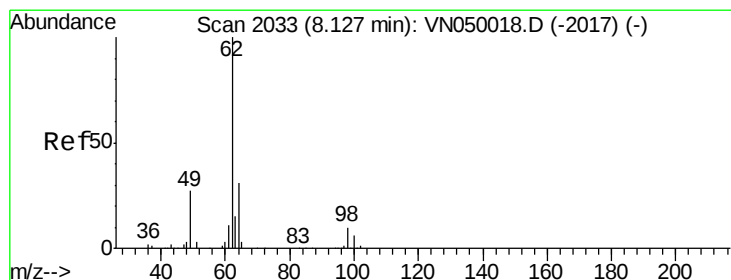
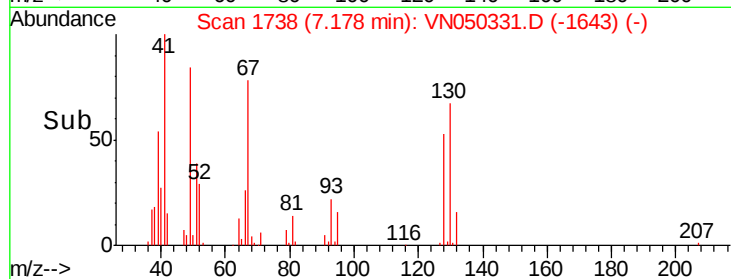
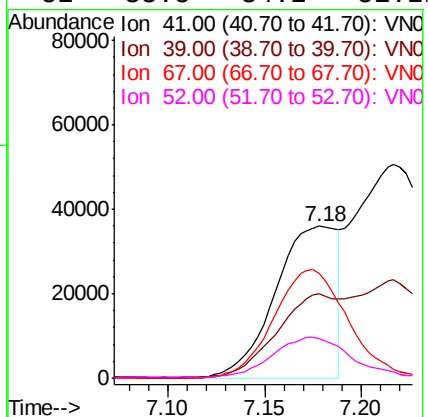
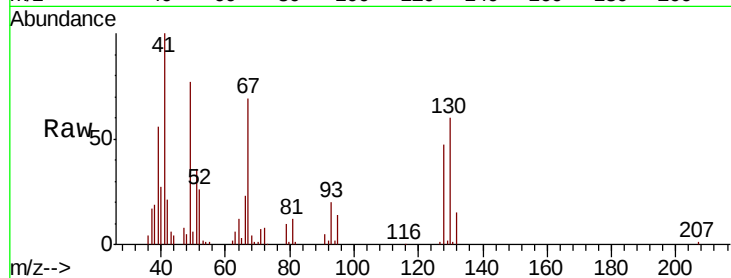




#41
Methacrylonitrile
Concen: 23.48 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

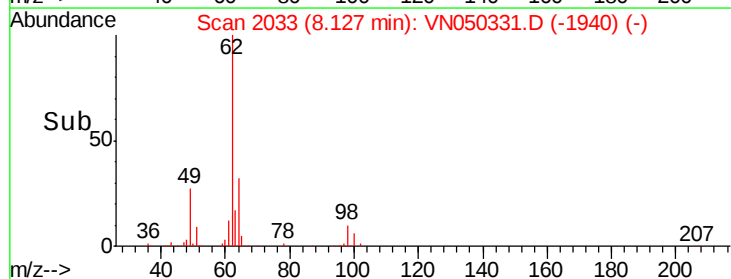
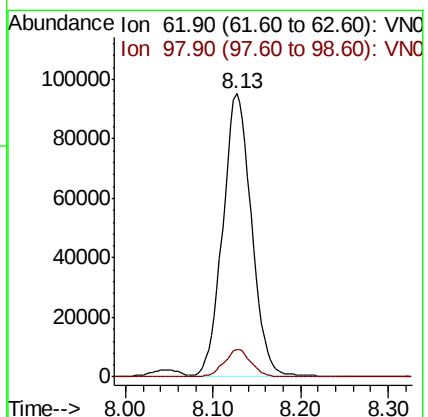
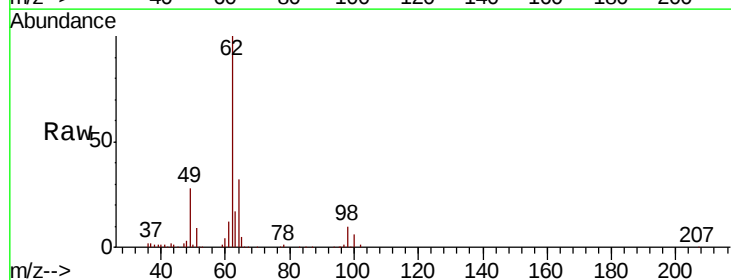
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

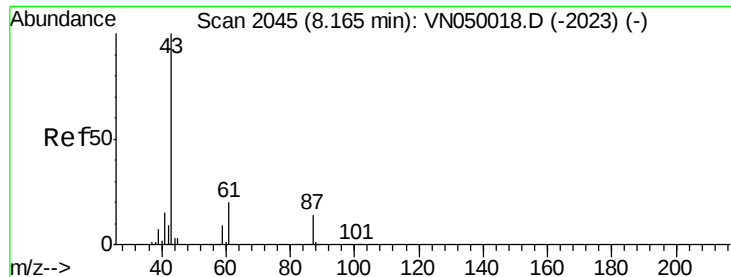
Tot Ion: 41 Resp: 80558
Ion Ratio Lower Upper
41 100
39 53.8 55.8 83.6#
67 85.6 84.3 126.5
52 33.5 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 21.08 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 62 Resp: 216435
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.8



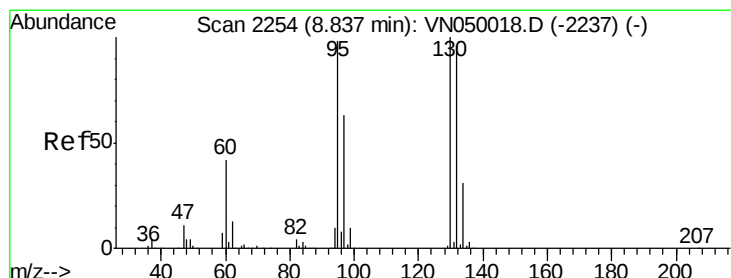
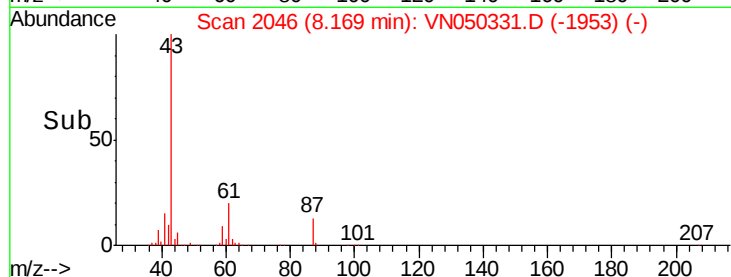
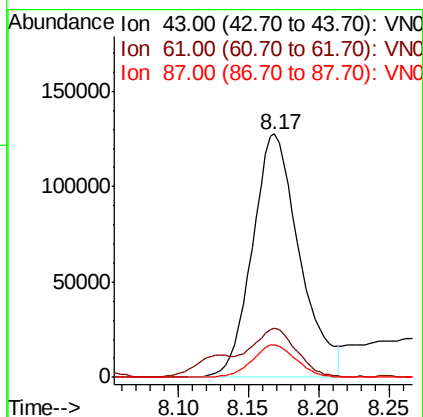
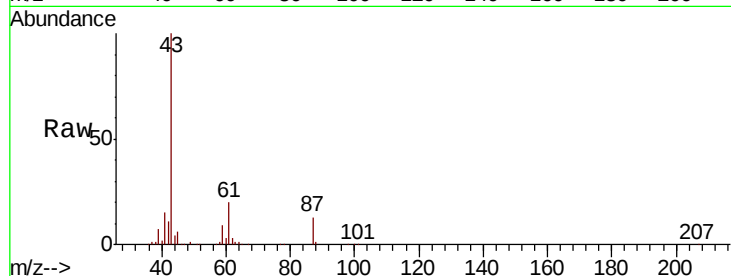


#43

Isopropyl Acetate
 Concen: 21.66 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

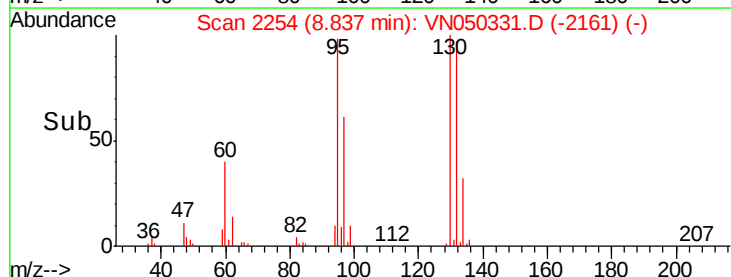
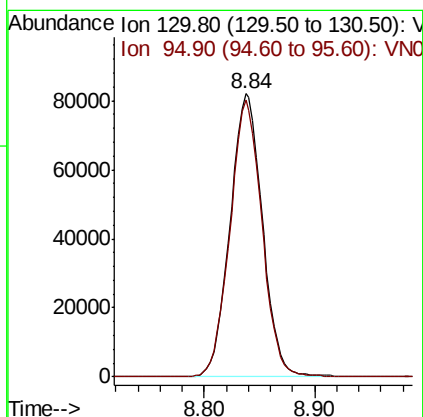
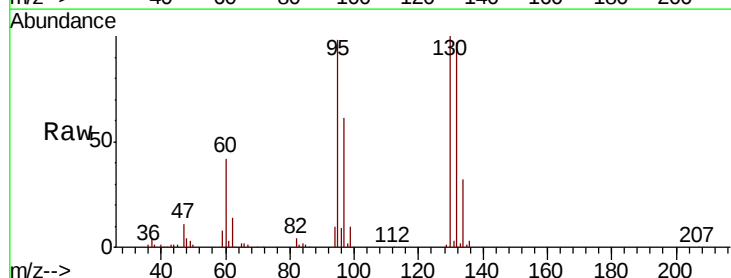
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.6
87	12.5	10.3	15.5

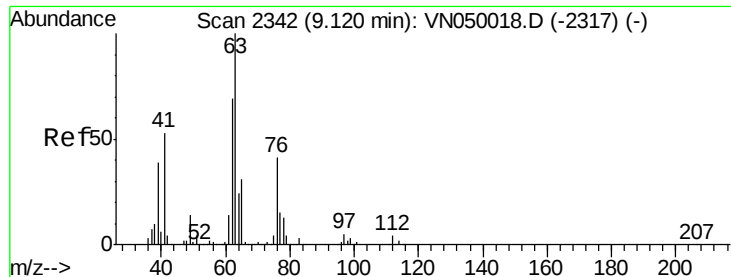


#44

Trichloroethene
 Concen: 20.19 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	194.6





#45

1,2-Dichloropropane

Concen: 21.49 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

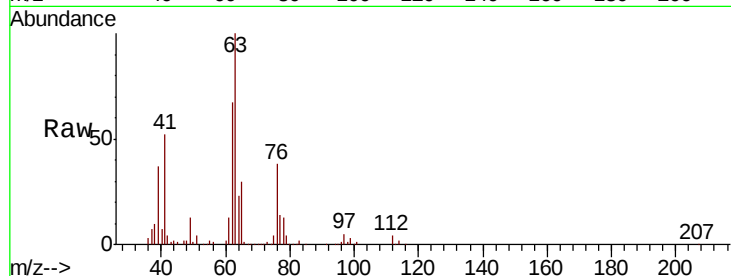
VN0803WBS03

Tot Ion: 63 Resp: 175127

Ion Ratio Lower Upper

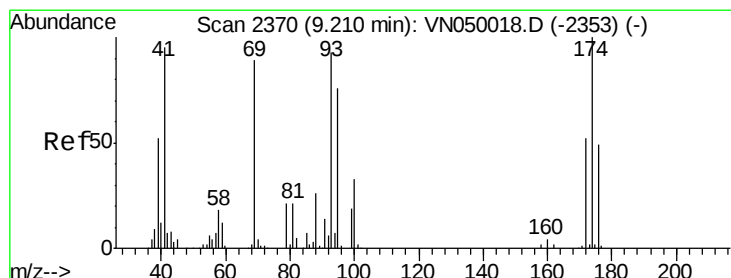
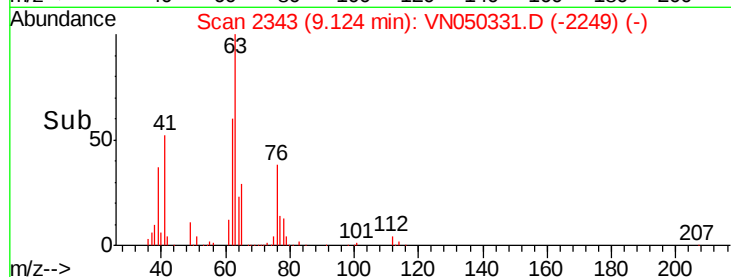
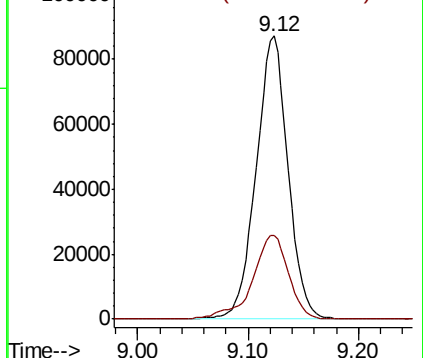
63 100

65 29.8 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.15 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

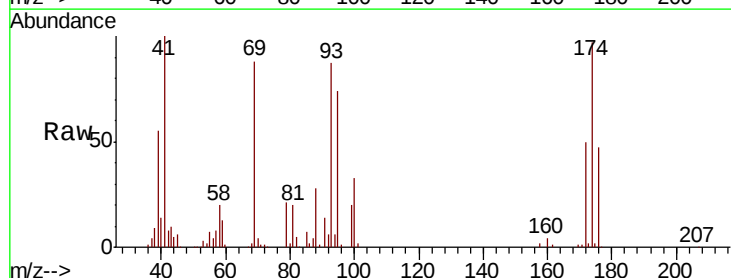
Tgt Ion: 93 Resp: 107055

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

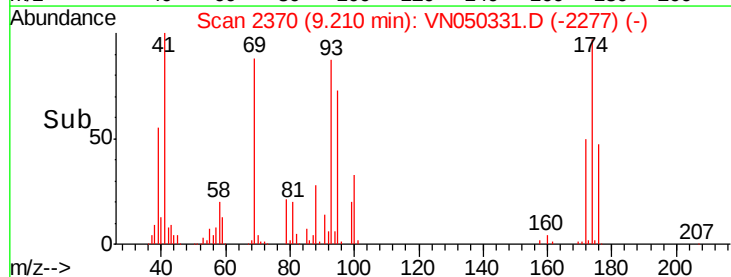
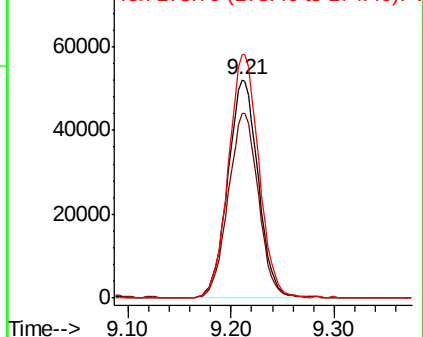
174 111.3 87.1 130.7

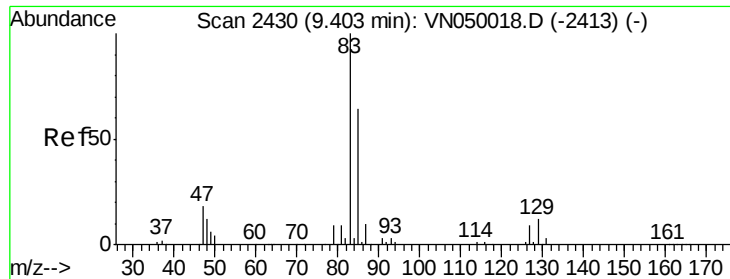


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.96 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

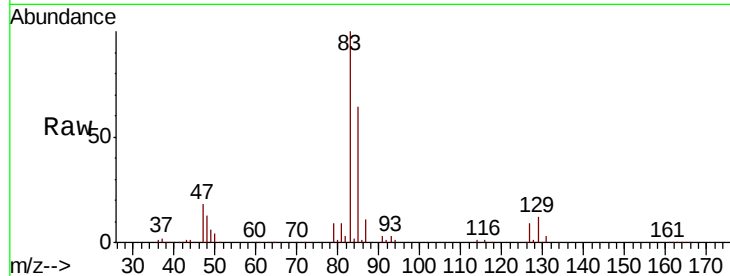
Tot Ion: 83 Resp: 223828

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

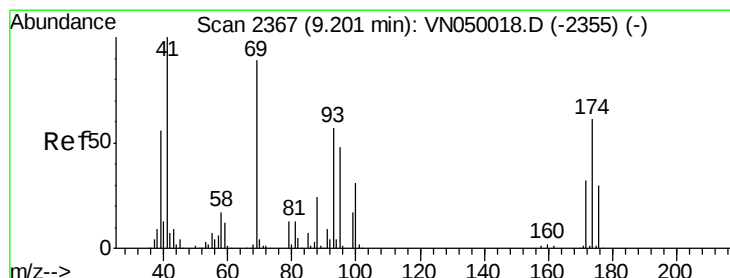
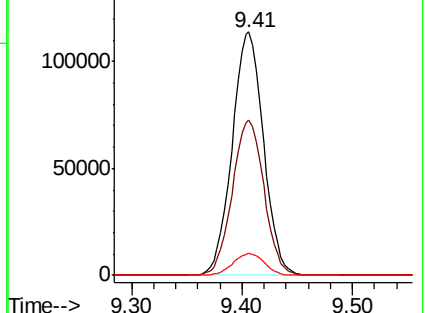
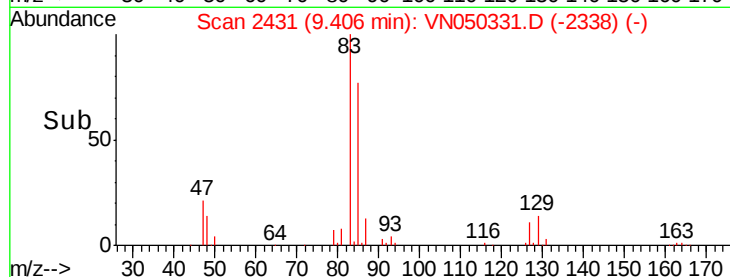
127 8.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 22.60 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

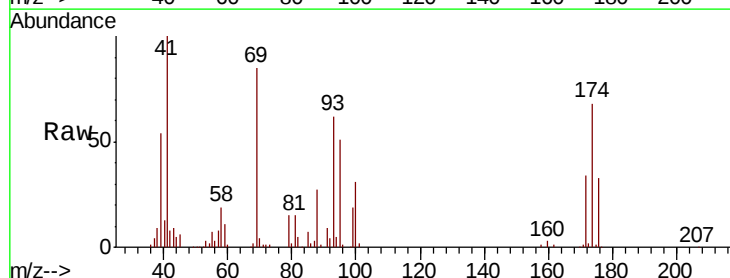
Tgt Ion: 41 Resp: 137231

Ion Ratio Lower Upper

41 100

69 88.9 70.6 105.8

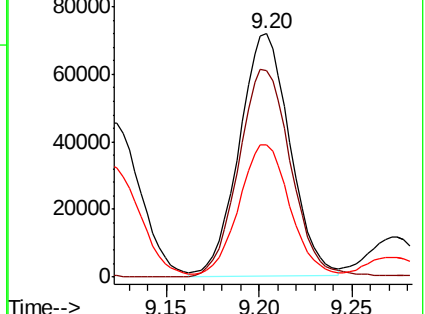
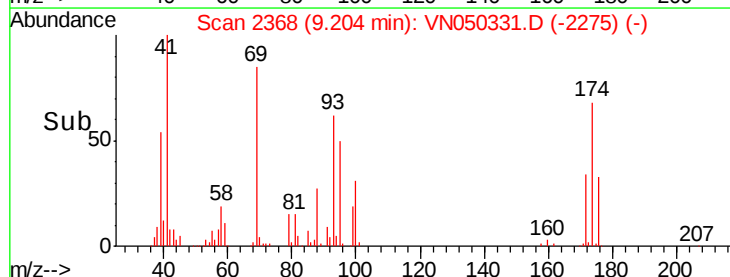
39 54.9 43.9 65.9

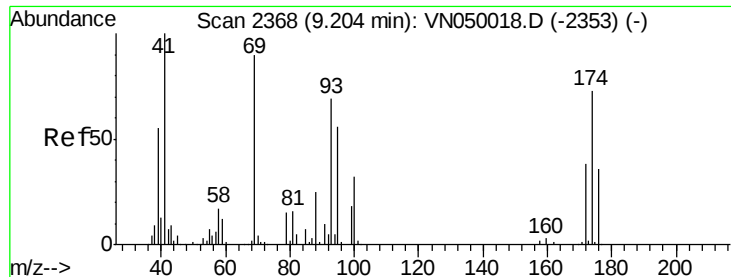


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 484.84 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

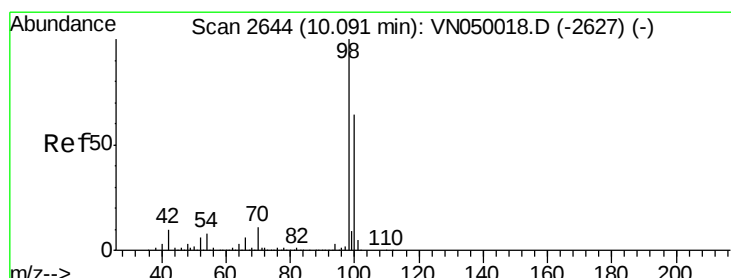
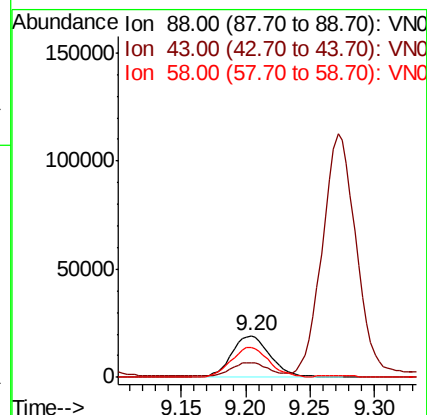
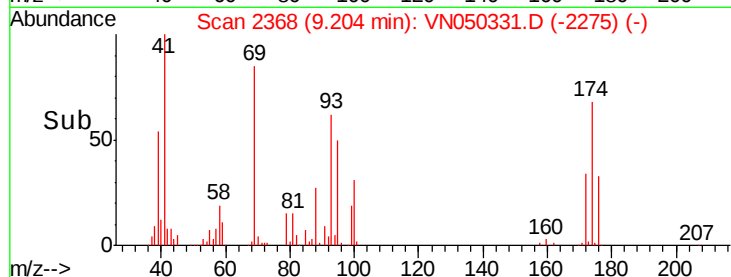
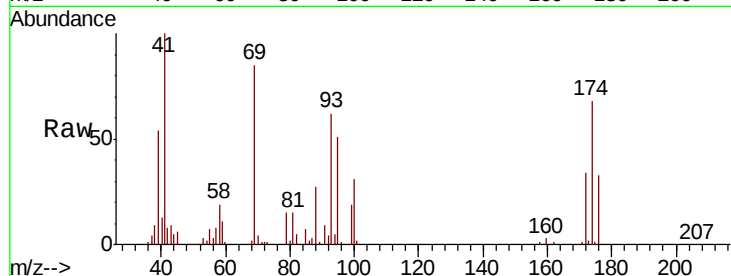
Tot Ion: 88 Resp: 40062

Ion Ratio Lower Upper

88 100

43 31.2 26.9 40.3

58 71.8 57.3 85.9



#50

Toluene-d8

Concen: 50.20 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050331.D

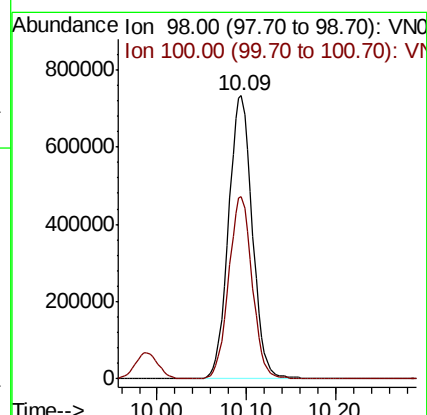
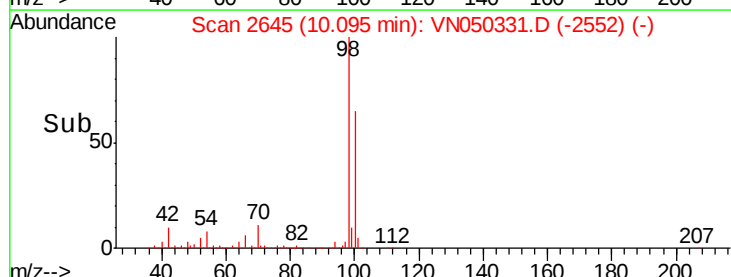
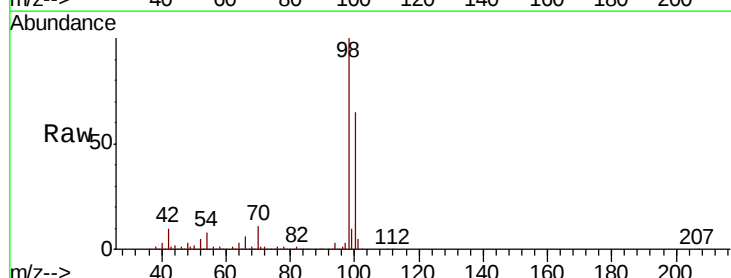
Acq: 3 Aug 2018 23:41

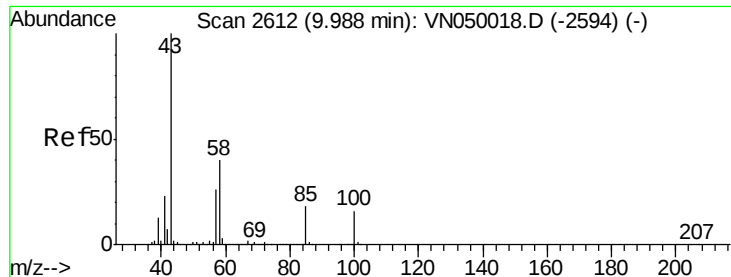
Tgt Ion: 98 Resp: 1352443

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1

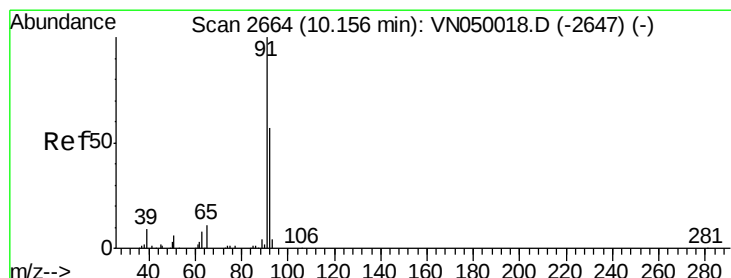
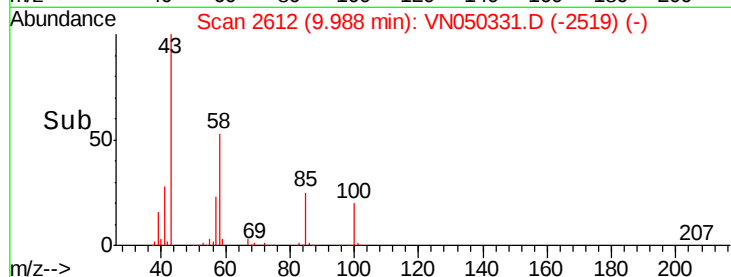
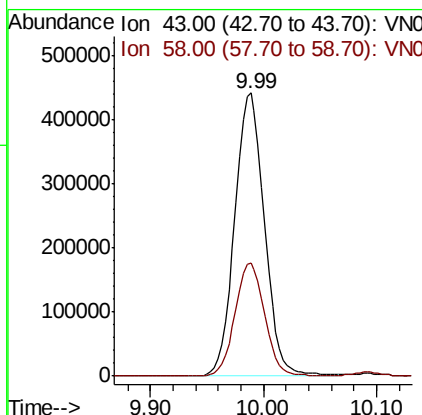
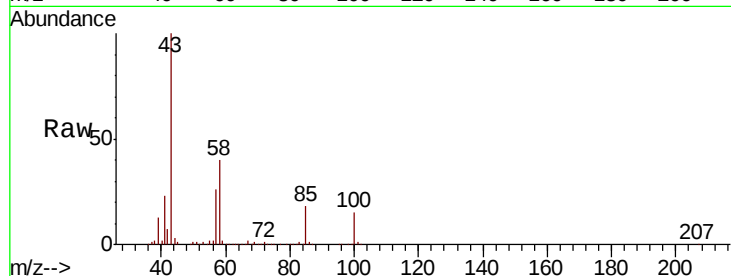




#51
4-Methyl-2-Pentanone
Concen: 116.49 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

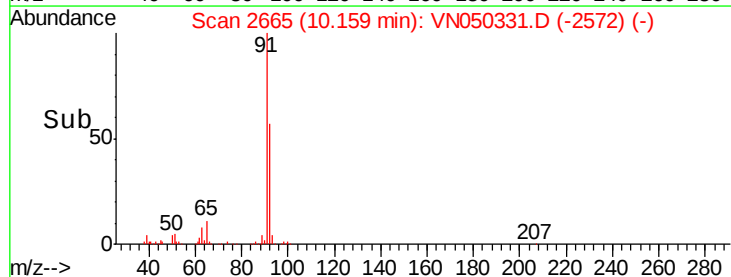
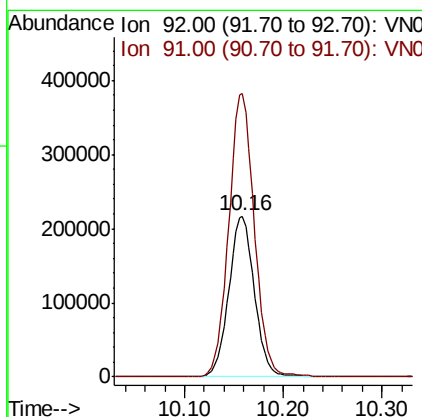
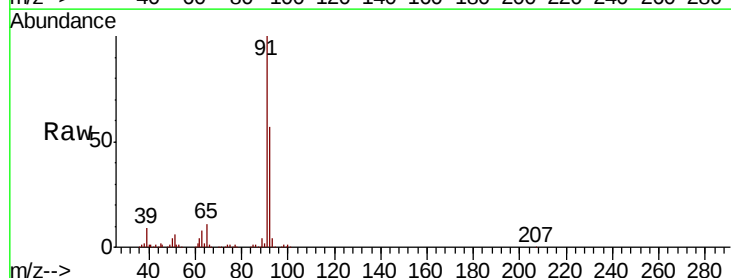
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

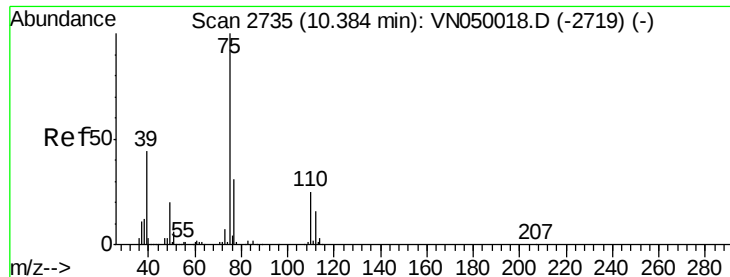
Tot Ion: 43 Resp: 807307
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9



#52
Toluene
Concen: 21.65 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 92 Resp: 393309
Ion Ratio Lower Upper
92 100
91 176.7 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.68 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

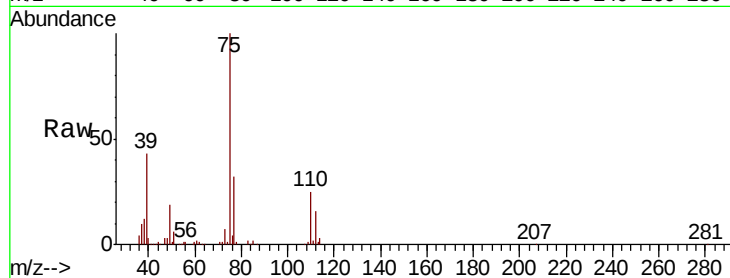
VN0803WBS03

Tot Ion: 75 Resp: 208437

Ion Ratio Lower Upper

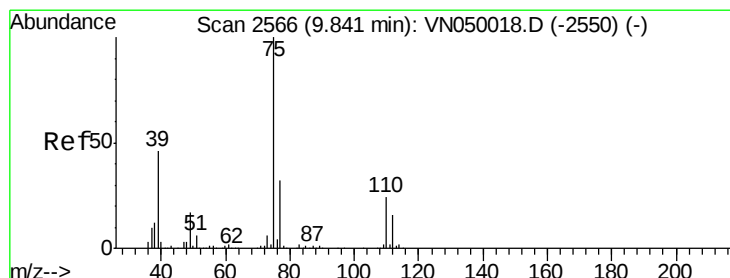
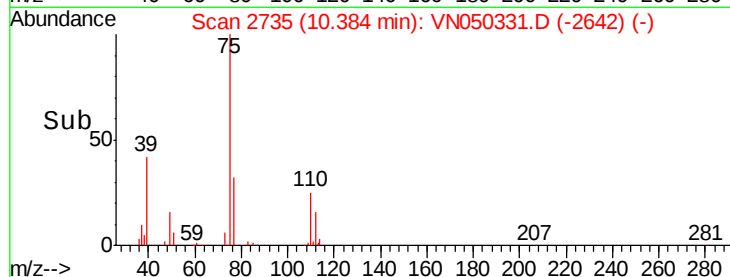
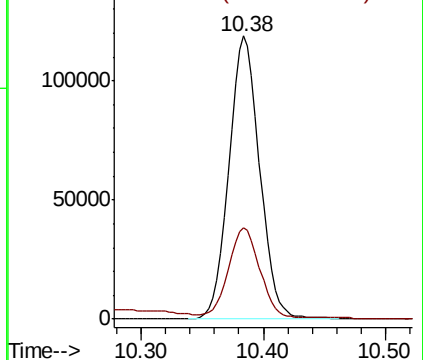
75 100

77 31.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.87 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

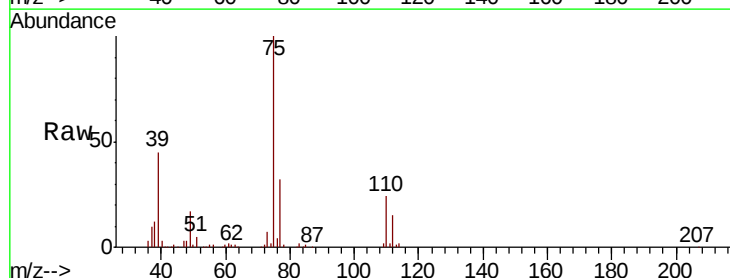
Tgt Ion: 75 Resp: 240371

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

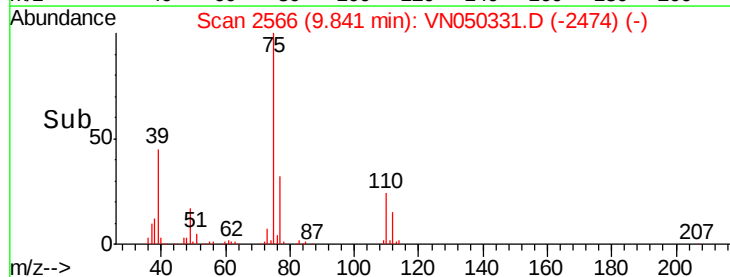
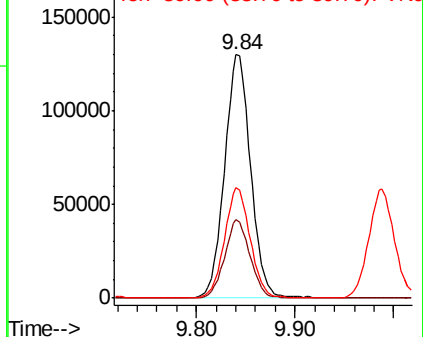
39 45.0 36.6 55.0

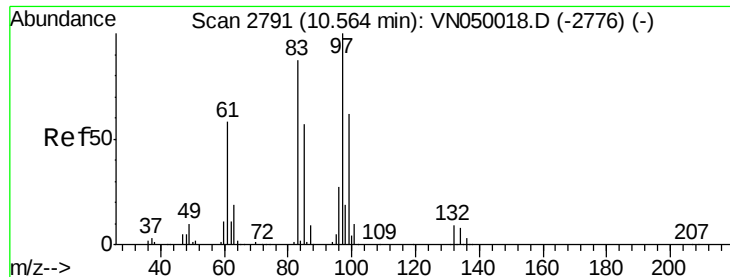


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

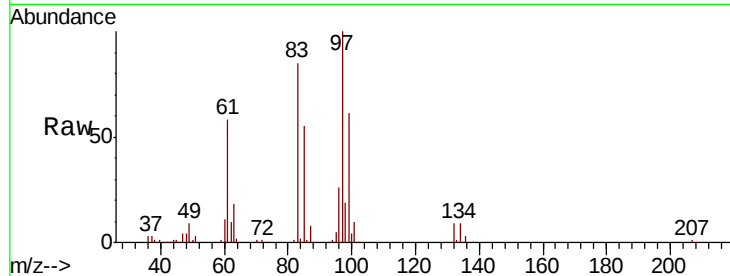




#55
 1,1,2-Trichloroethane
 Concen: 22.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.2	103.8
85	55.3	44.0	66.0
99	61.2	49.9	74.9



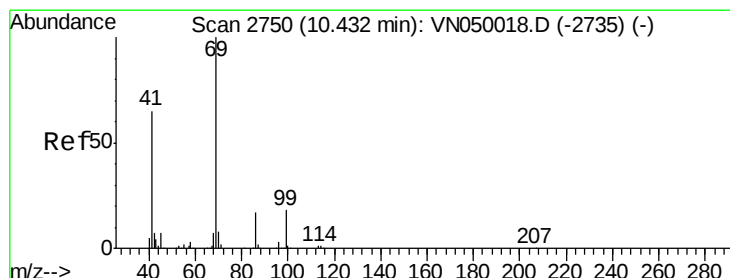
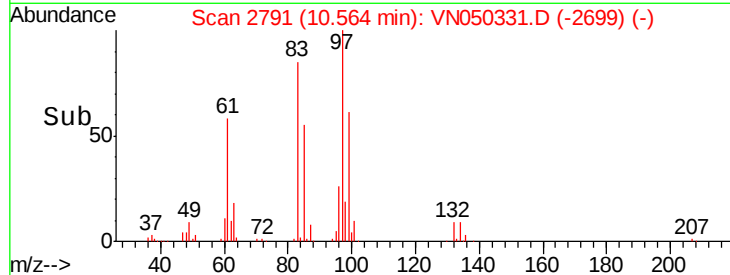
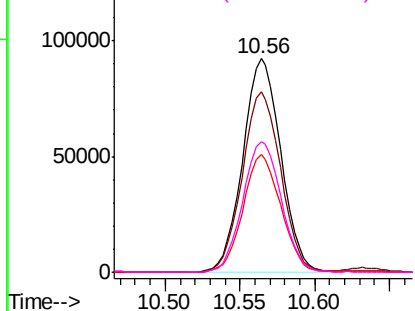
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

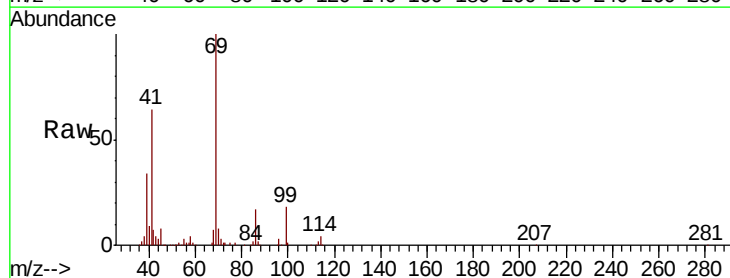
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.75 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.0	76.4
39	33.0	26.6	40.0

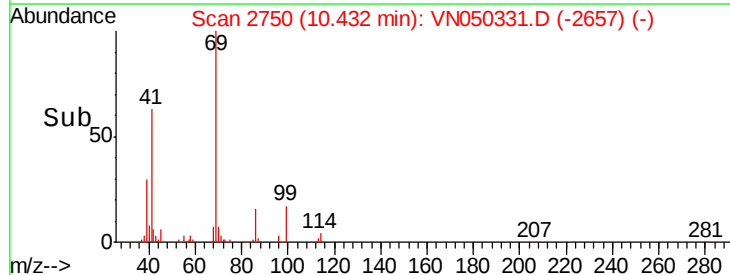
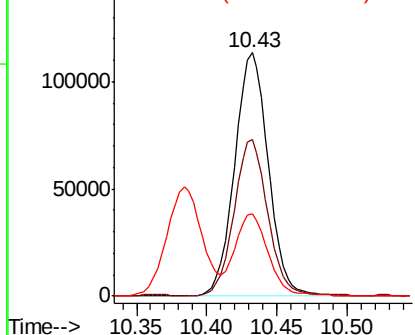


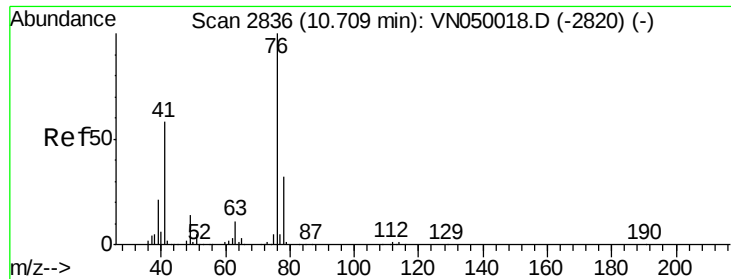
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

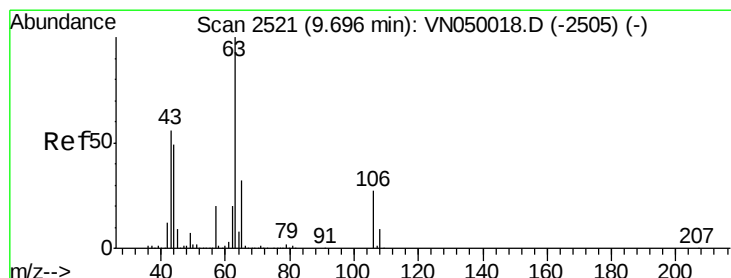
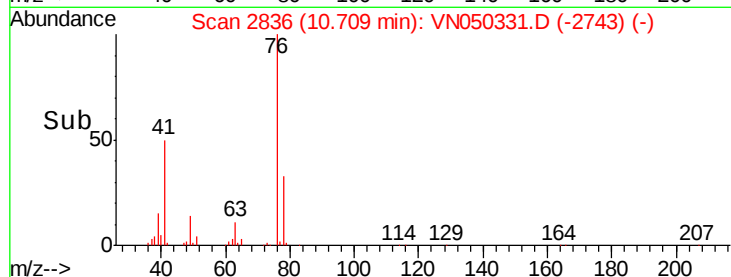
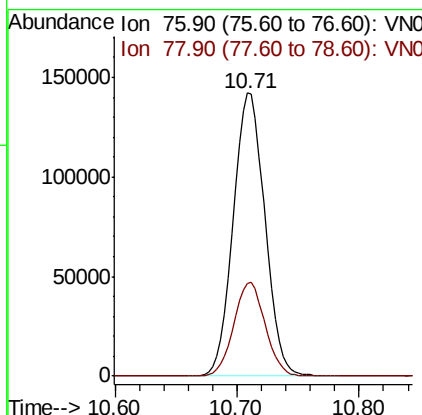
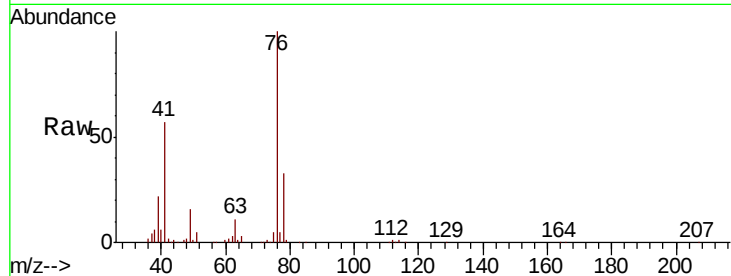




#57
 1,3-Dichloropropane
 Concen: 21.86 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

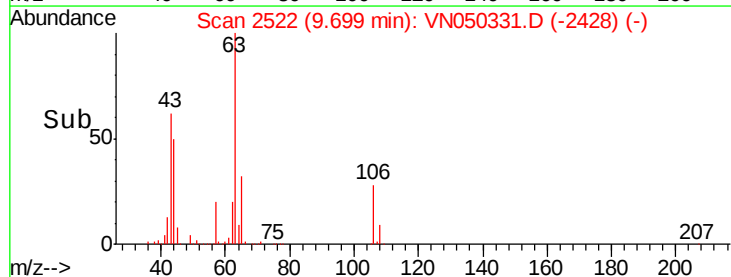
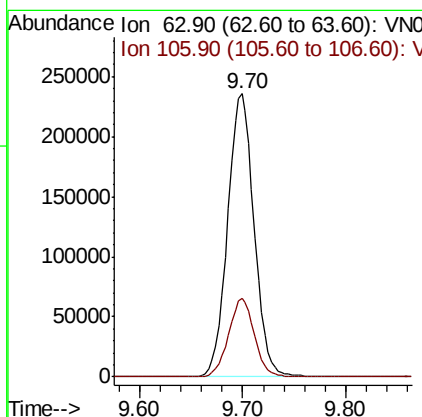
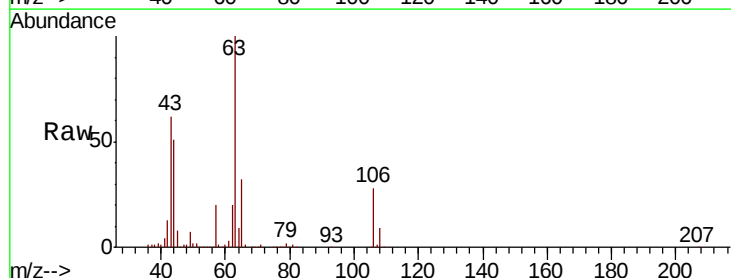
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

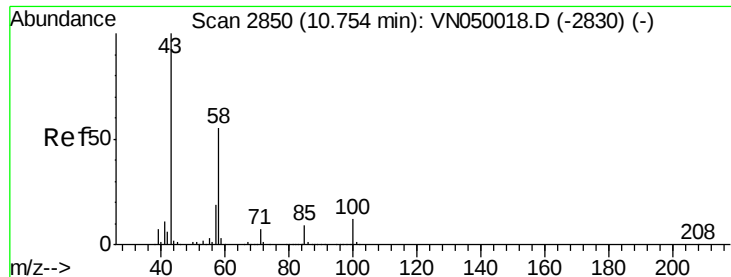
Tot Ion: 76 Resp: 256505
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.70 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 63 Resp: 420919
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

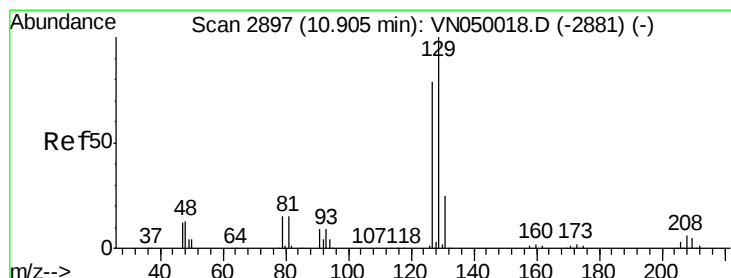
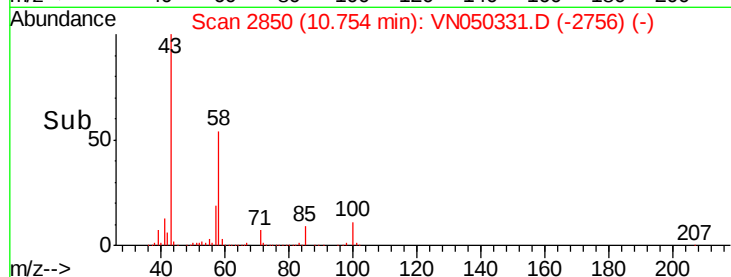
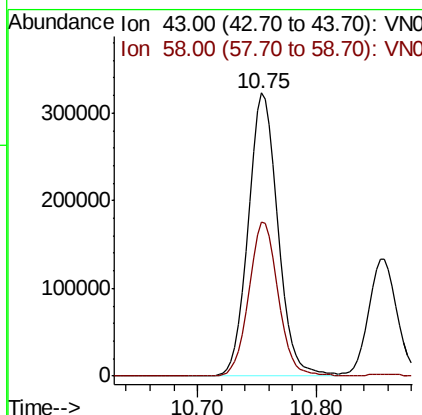
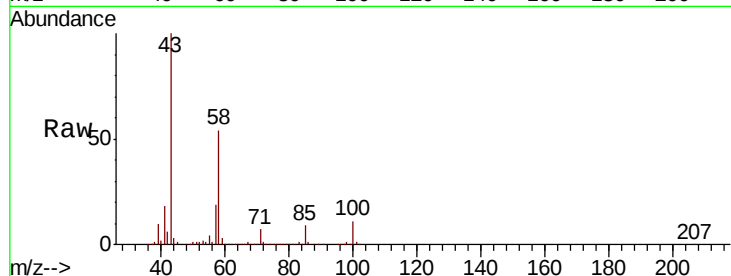




#59
2-Hexanone
Concen: 111.86 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

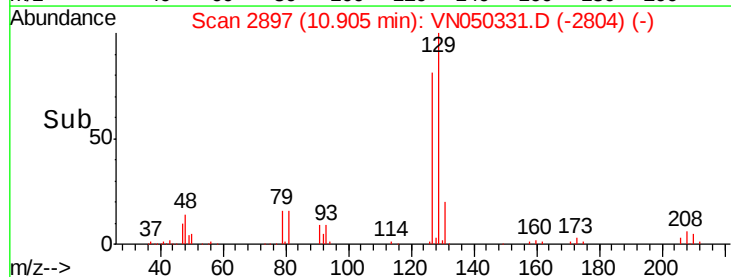
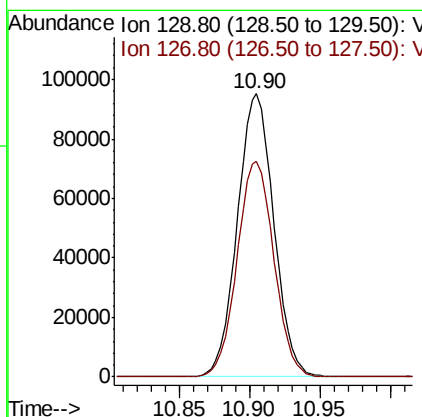
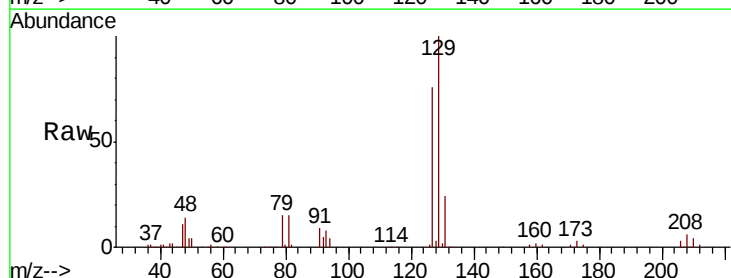
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

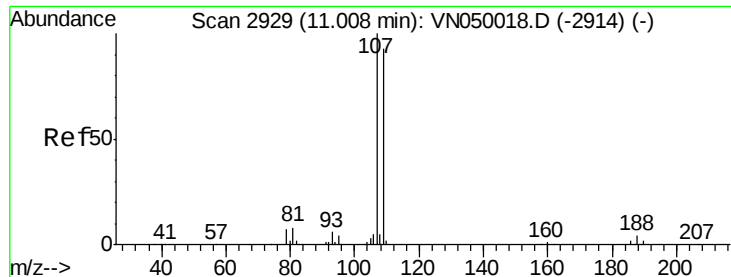
Tot Ion: 43 Resp: 554771
Ion Ratio Lower Upper
43 100
58 54.3 27.6 82.7



#60
Dibromochloromethane
Concen: 21.64 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 129 Resp: 172574
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

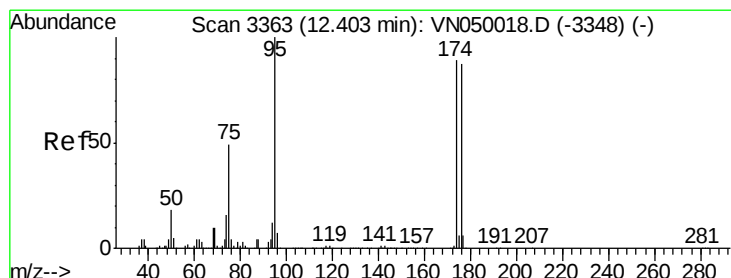
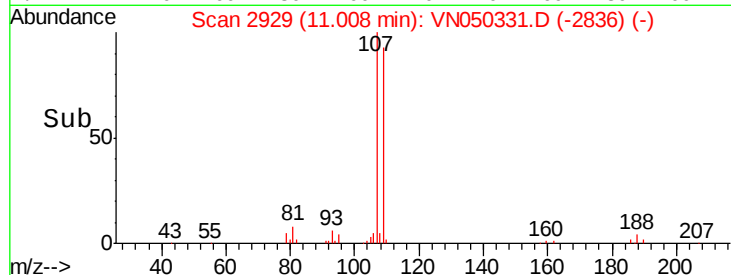
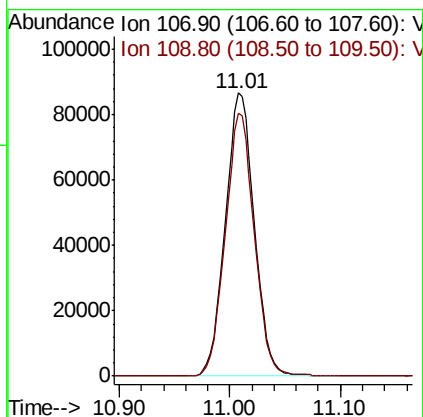
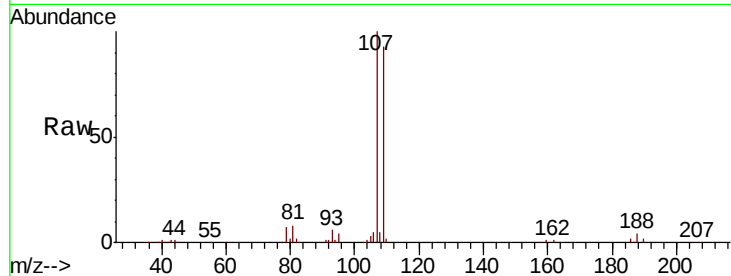




#61
 1,2-Dibromoethane
 Concen: 22.08 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

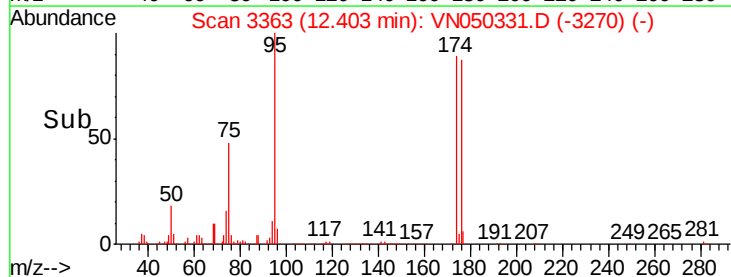
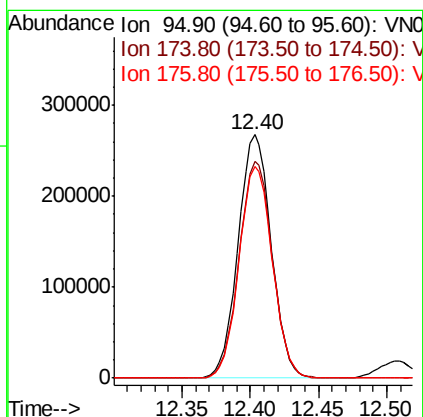
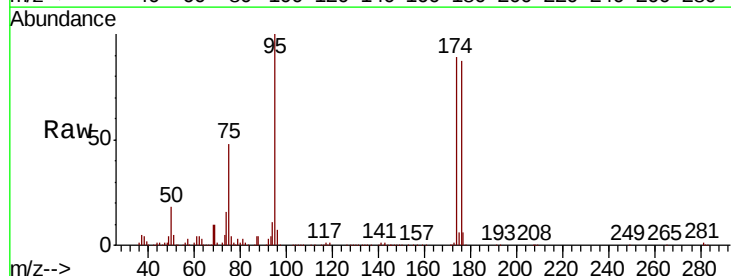
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

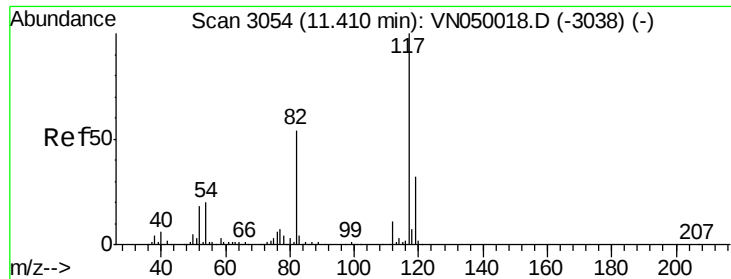
Tot Ion:107 Resp: 157864
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.85 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 95 Resp: 451054
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.2
 176 87.7 0.0 173.4

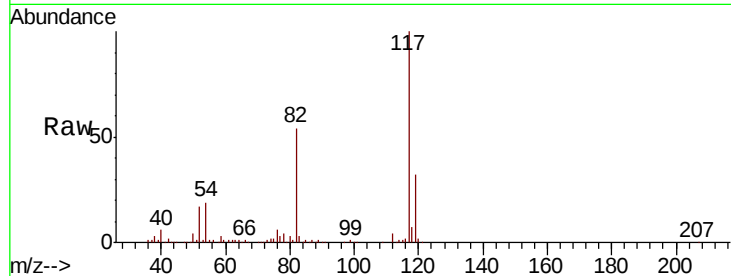




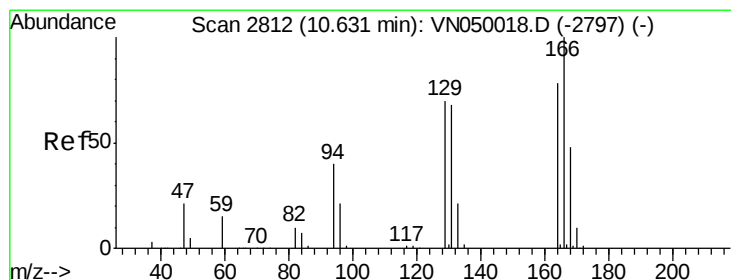
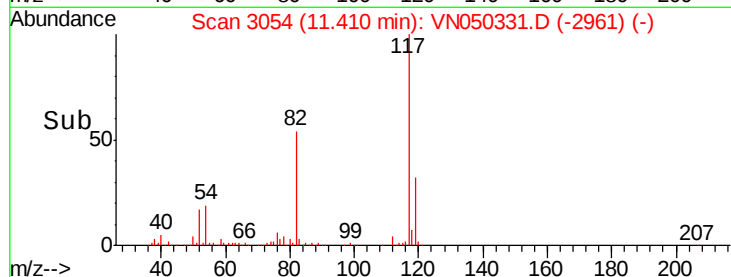
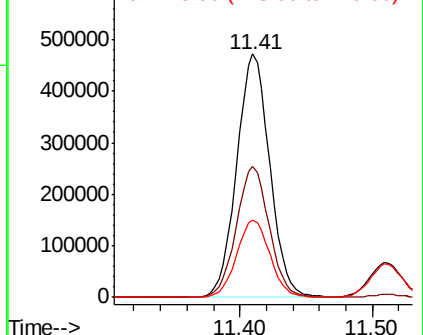
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion:117 Resp: 816135
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.0 26.1 39.1

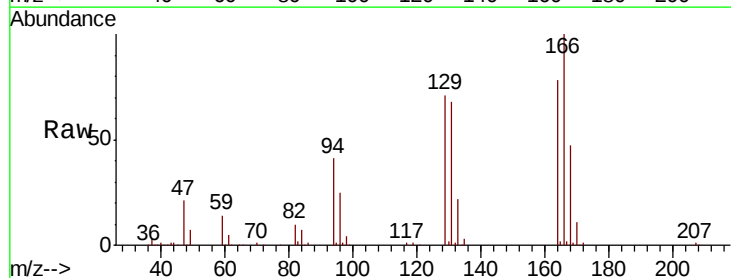


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

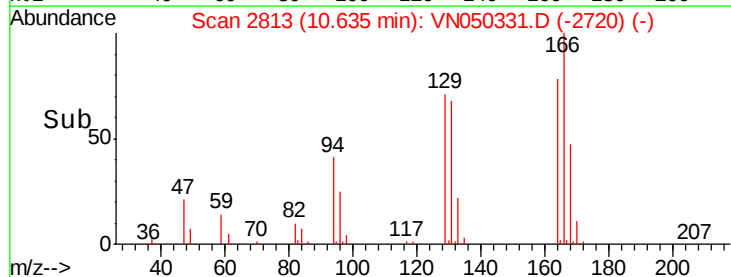
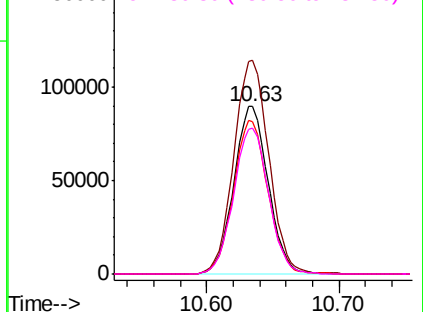


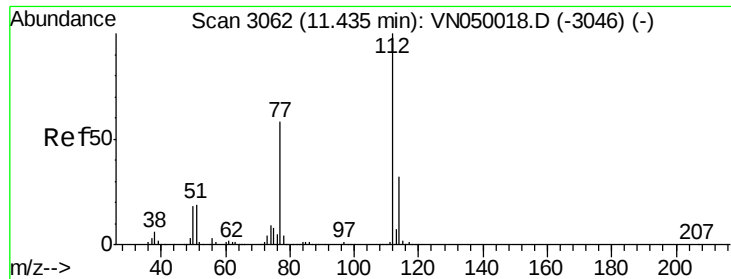
#64
Tetrachloroethene
Concen: 20.51 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion:164 Resp: 160909
Ion Ratio Lower Upper
164 100
166 127.6 102.1 153.1
129 91.0 73.2 109.8
131 87.1 70.6 106.0



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

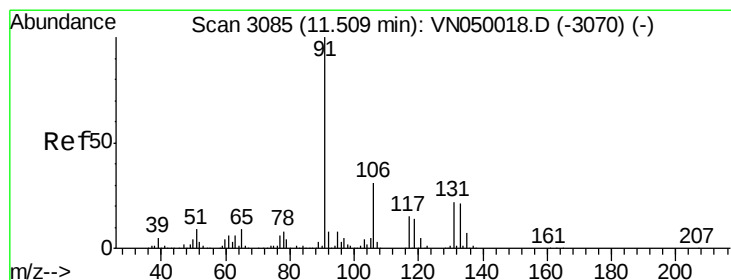
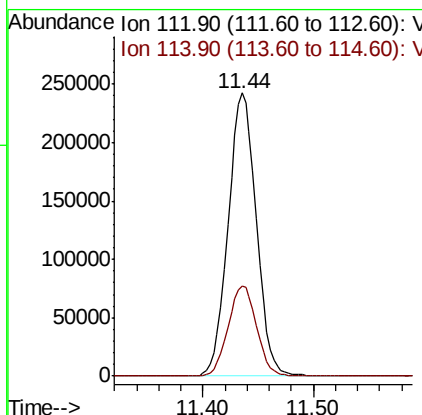
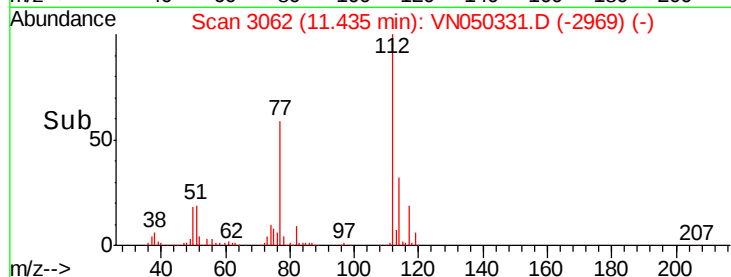
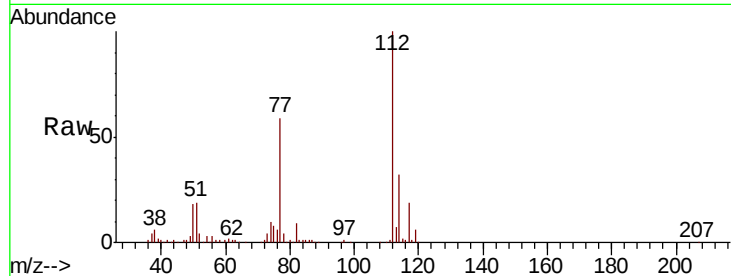




#65
Chlorobenzene
Concen: 20.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

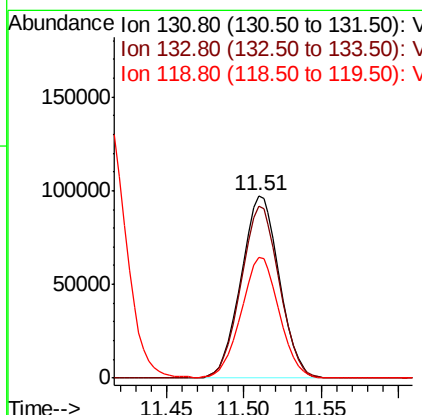
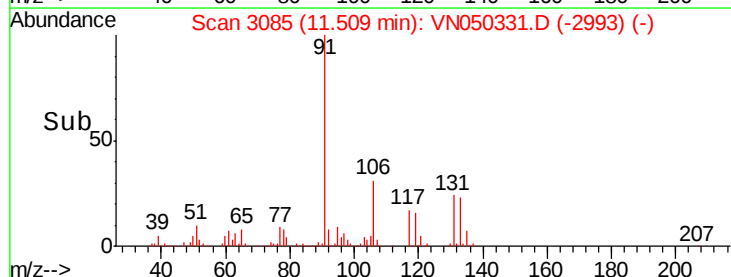
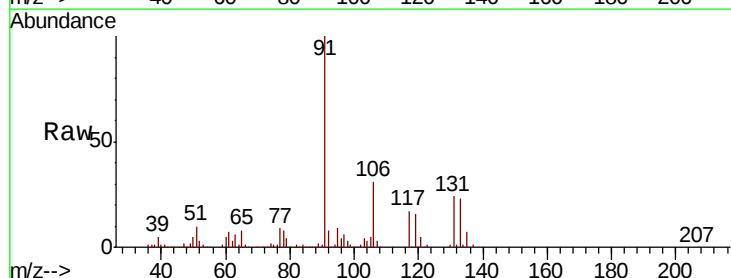
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

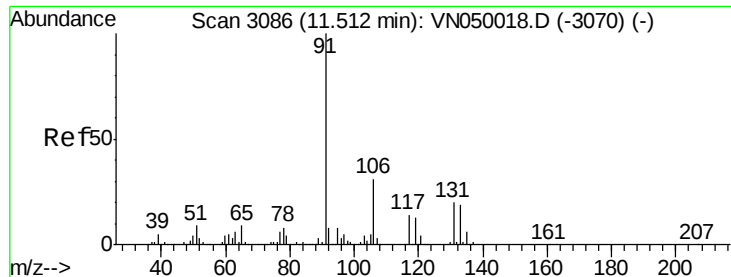
Tot Ion:112 Resp: 427878
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.13 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion:131 Resp: 167358
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 65.9 32.9 98.7





#67

Ethyl Benzene

Concen: 21.32 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

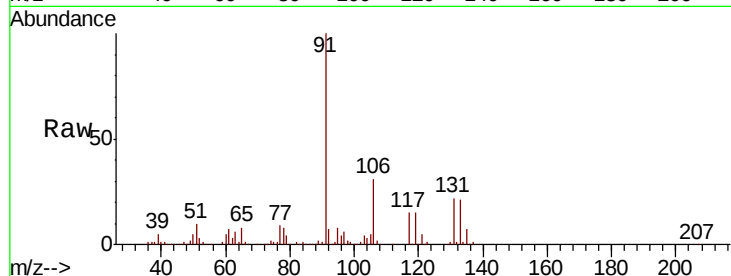
VN0803WBS03

Tot Ion: 91 Resp: 705908

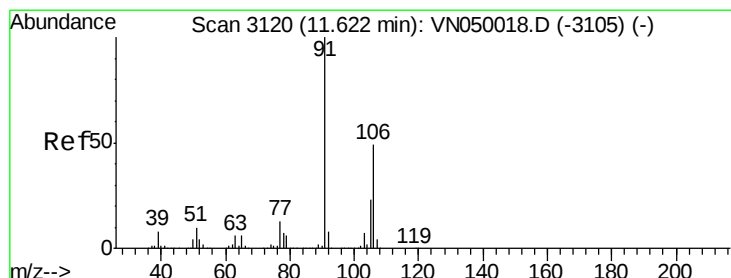
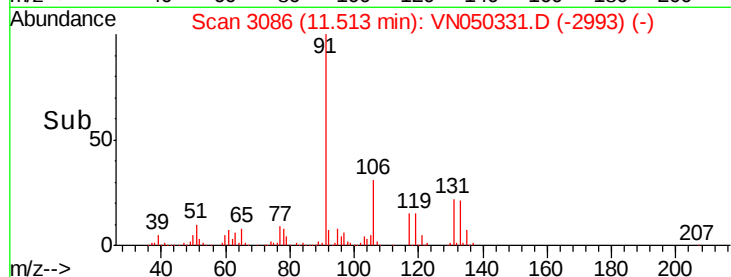
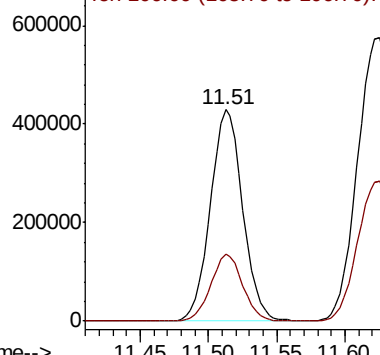
Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)



#68

m/p-Xylenes

Concen: 44.03 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050331.D

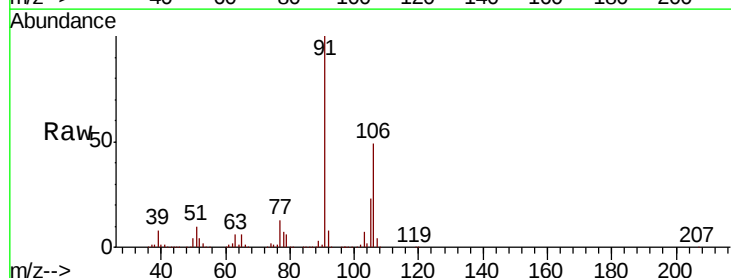
Acq: 3 Aug 2018 23:41

Tgt Ion: 106 Resp: 551510

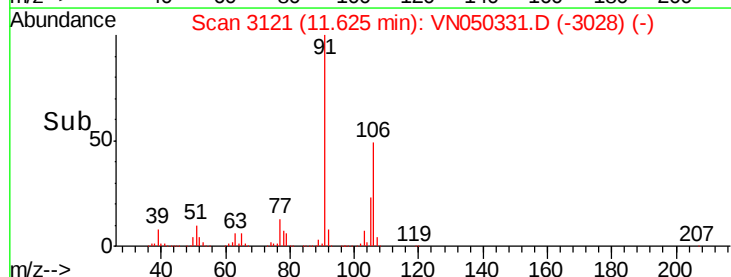
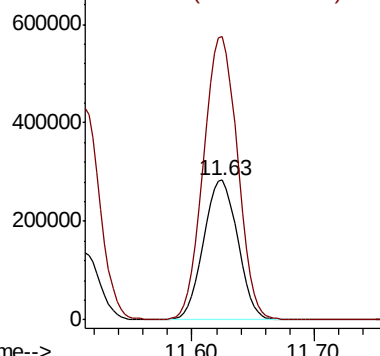
Ion Ratio Lower Upper

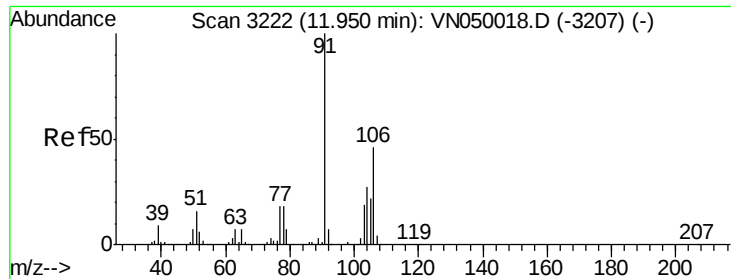
106 100

91 202.3 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

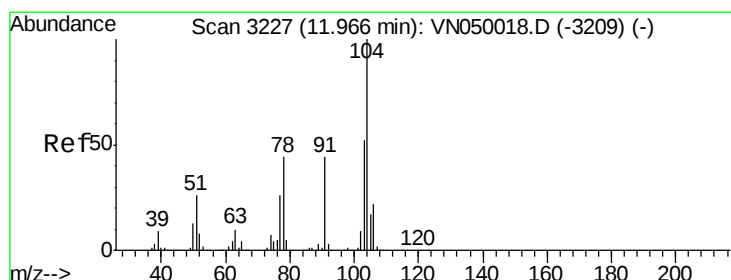
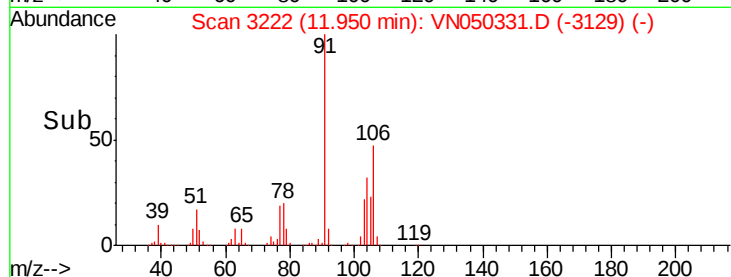
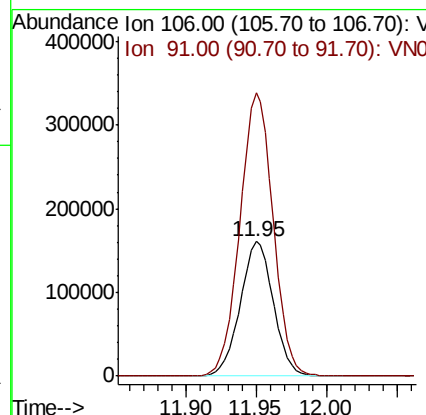
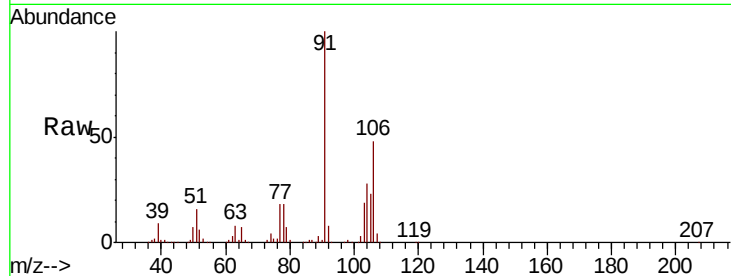




#69
o-Xylene
Concen: 22.16 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

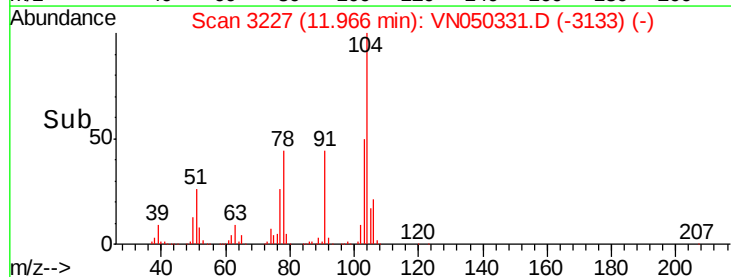
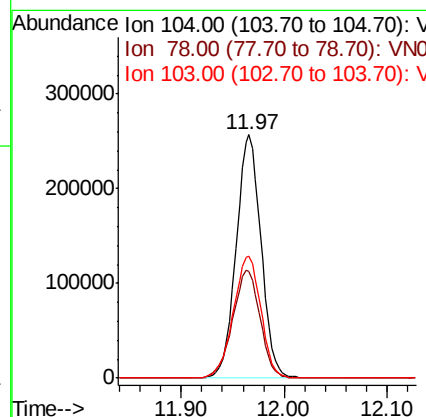
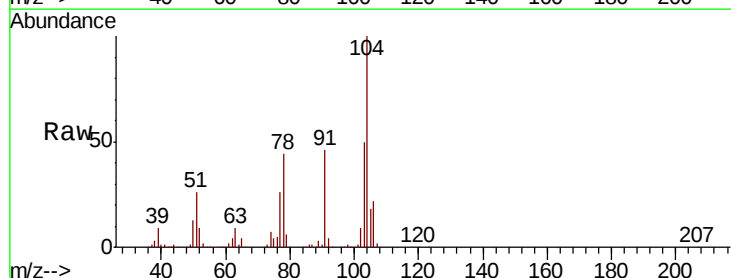
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

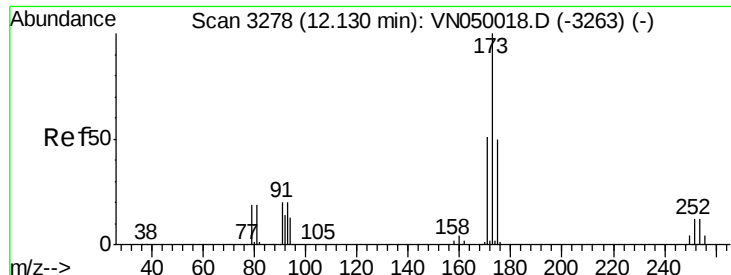
Tot Ion:106 Resp: 264644
Ion Ratio Lower Upper
106 100
91 211.2 107.7 323.1



#70
Styrene
Concen: 20.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion:104 Resp: 433059
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 55.3 45.0 67.6





#71

Bromoform

Concen: 21.18 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

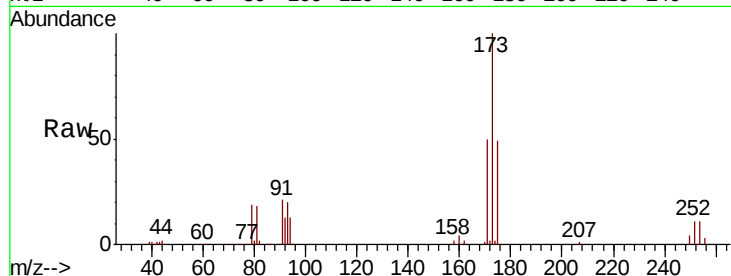
Tot Ion:173 Resp: 122041

Ion Ratio Lower Upper

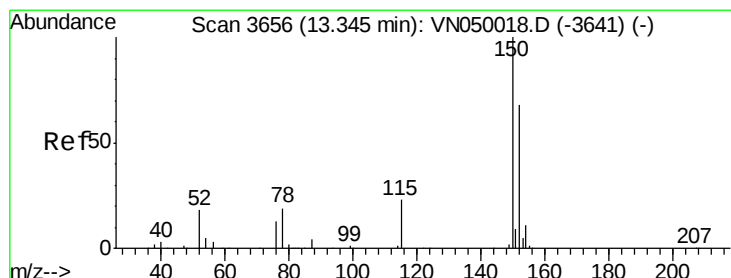
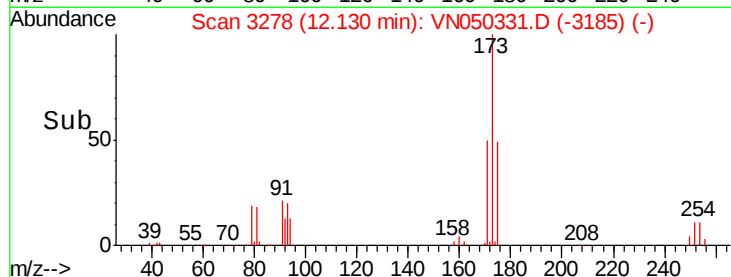
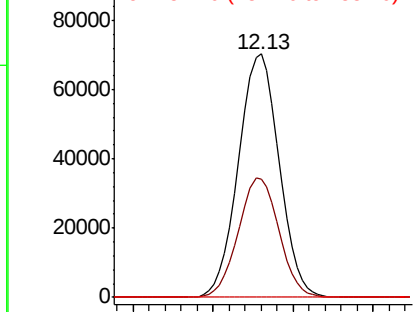
173 100

175 48.9 24.1 72.2

254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

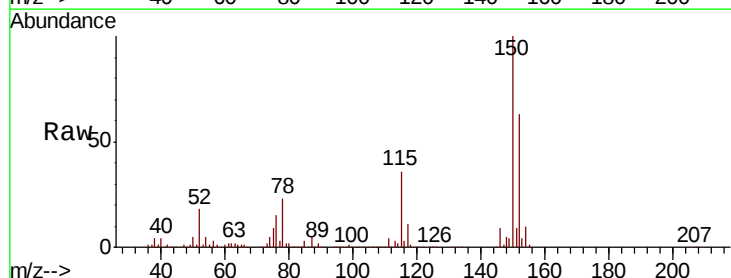
Tgt Ion:152 Resp: 427927

Ion Ratio Lower Upper

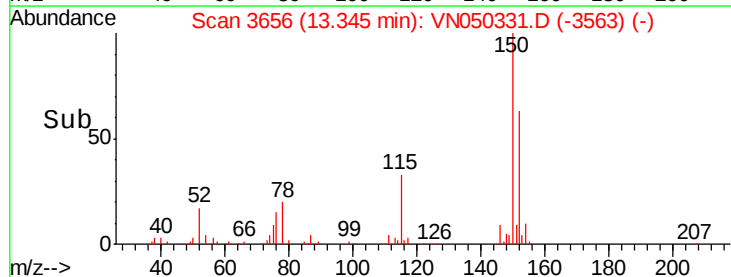
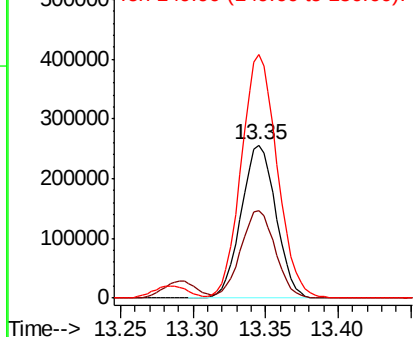
152 100

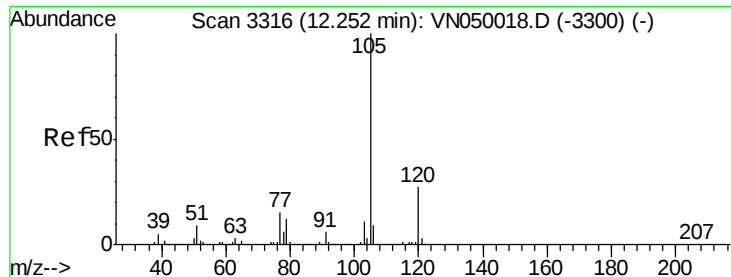
115 56.8 27.8 83.3

150 164.7 0.0 348.6



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: 20.78 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

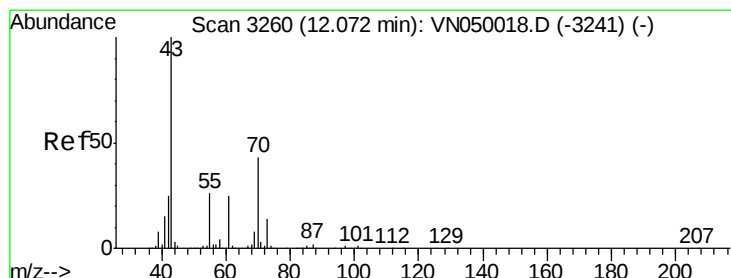
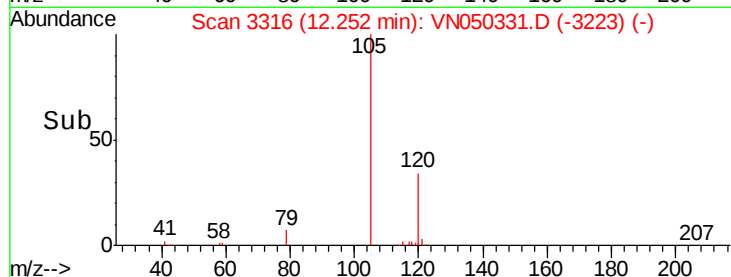
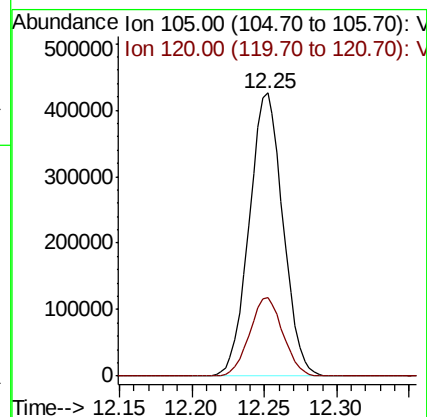
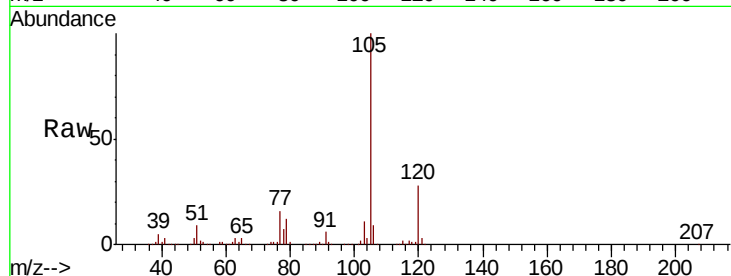
VN0803WBS03

Tot Ion:105 Resp: 689772

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#74

N-ethyl acetate

Concen: 21.61 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion: 43 Resp: 219204

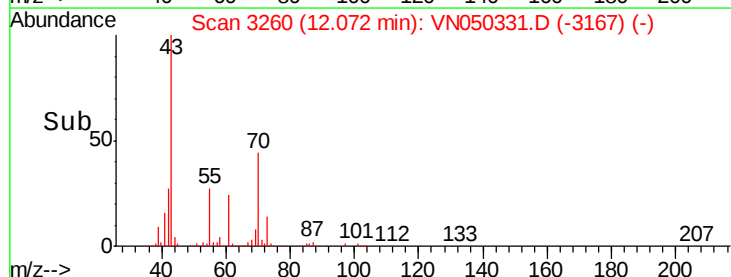
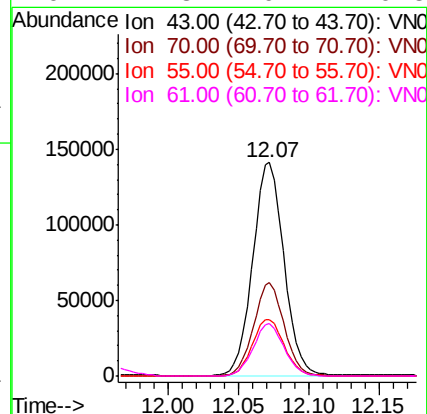
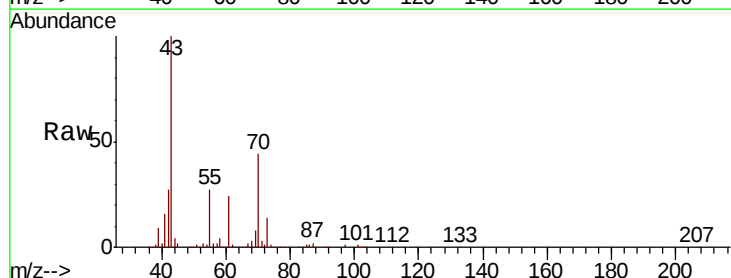
Ion Ratio Lower Upper

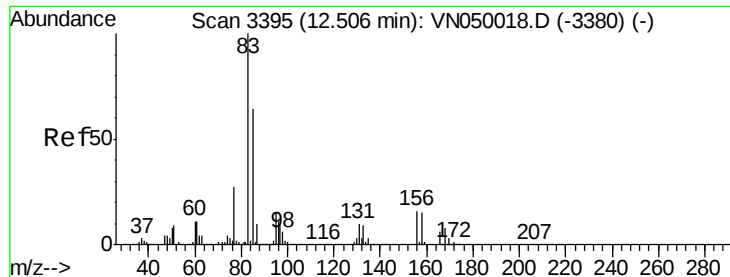
43 100

70 43.1 34.4 51.6

55 27.2 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.99 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

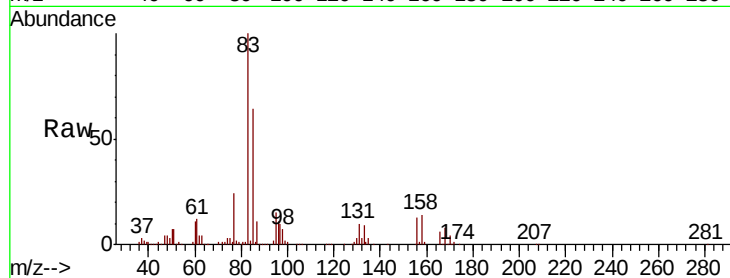
Tot Ion: 83 Resp: 212265

Ion Ratio Lower Upper

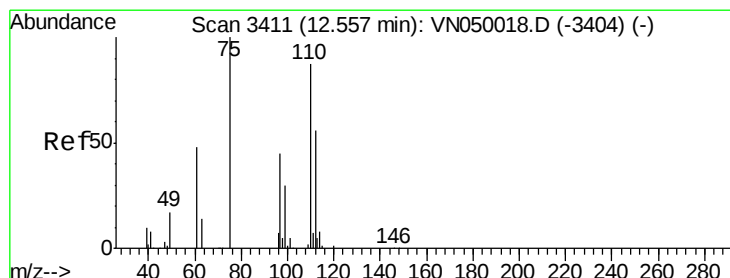
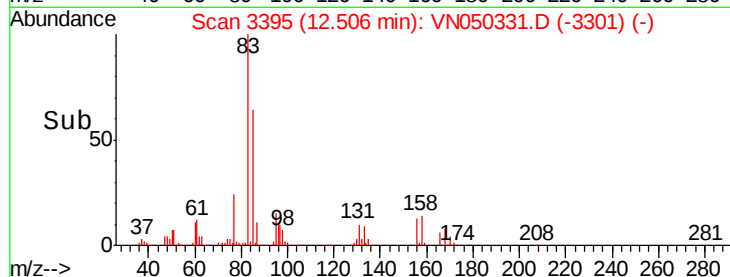
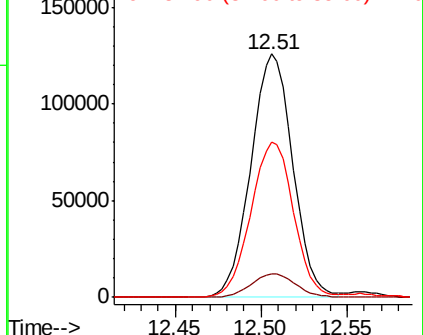
83 100

131 10.3 5.1 15.3

85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.98 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050331.D

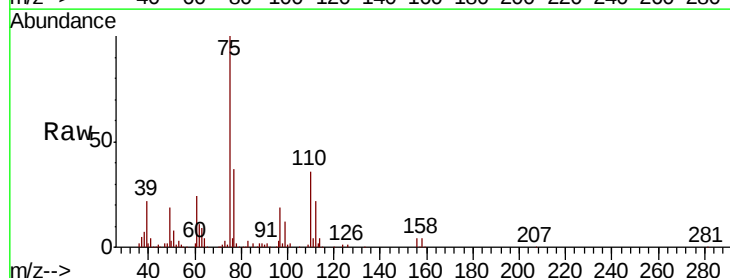
Acq: 3 Aug 2018 23:41

Tgt Ion: 75 Resp: 246408

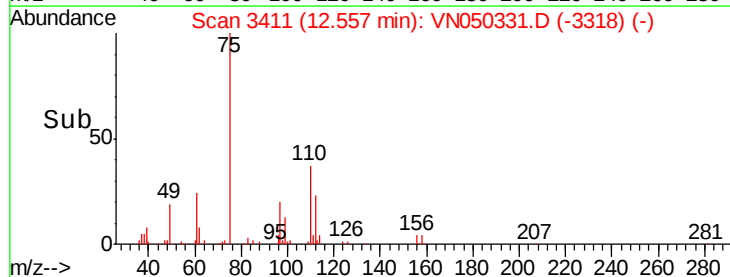
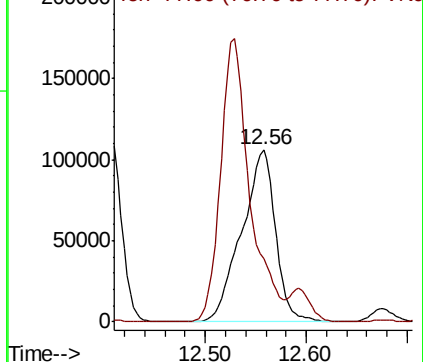
Ion Ratio Lower Upper

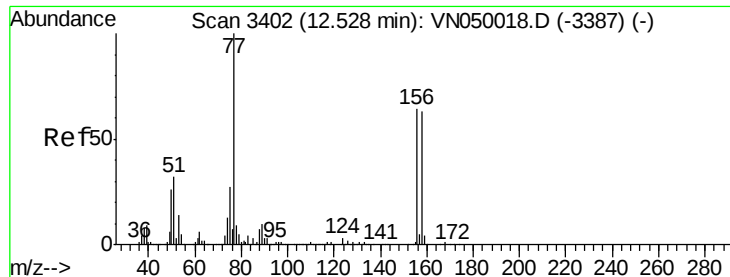
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

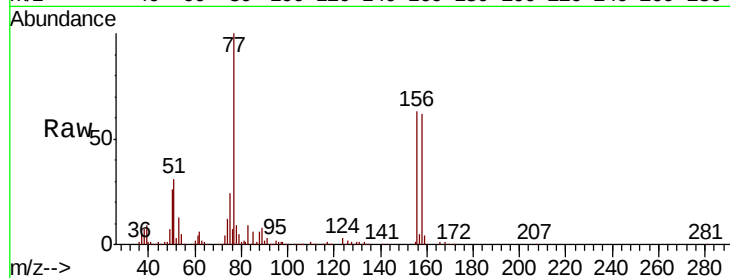
Tot Ion:156 Resp: 187983

Ion Ratio Lower Upper

156 100

77 187.5 91.7 275.1

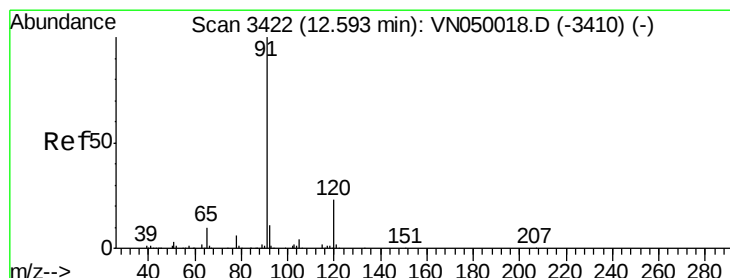
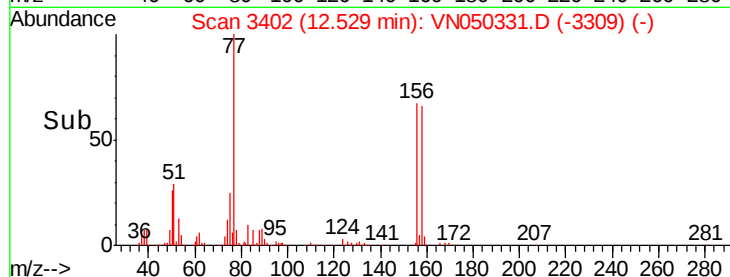
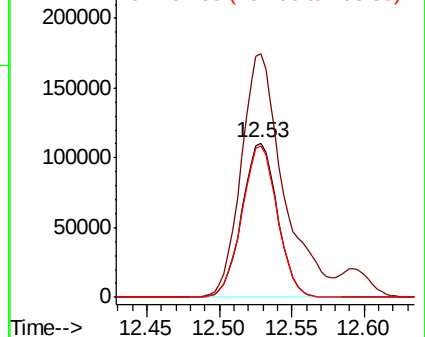
158 98.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050331.D

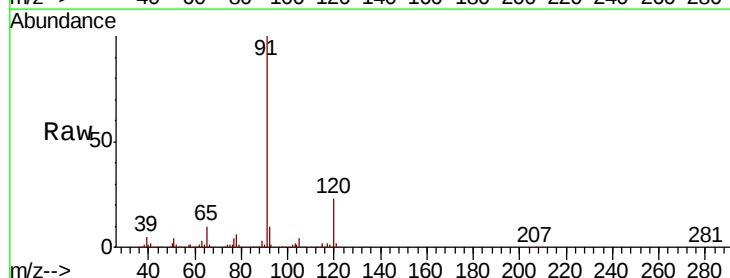
Acq: 3 Aug 2018 23:41

Tgt Ion: 91 Resp: 798828

Ion Ratio Lower Upper

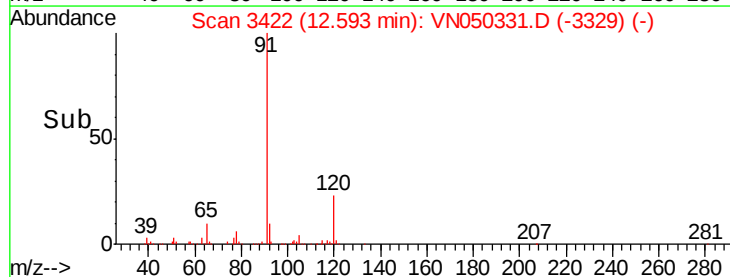
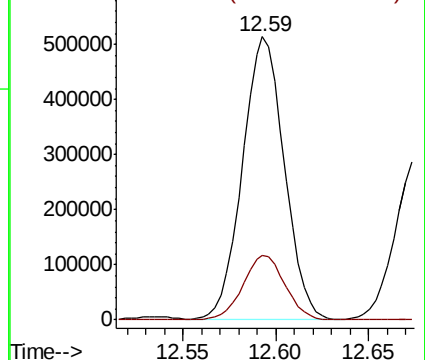
91 100

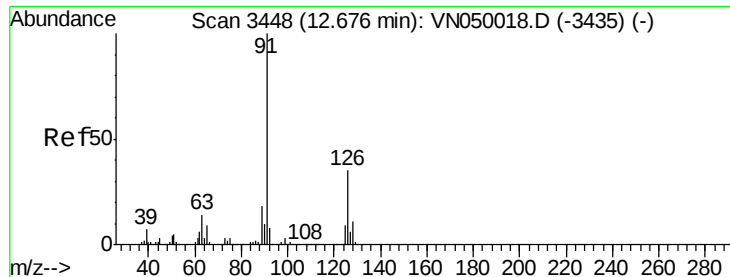
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

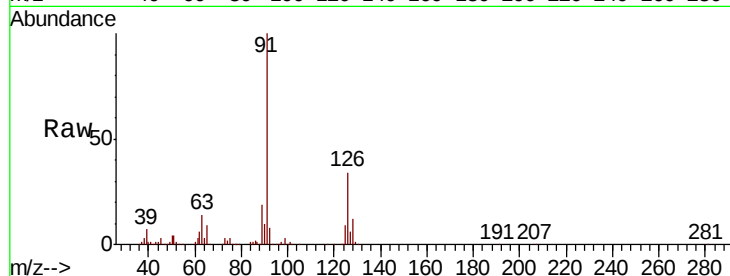
VN0803WBS03

Tot Ion: 91 Resp: 489801

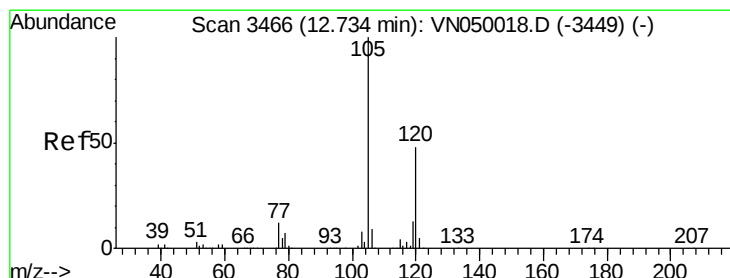
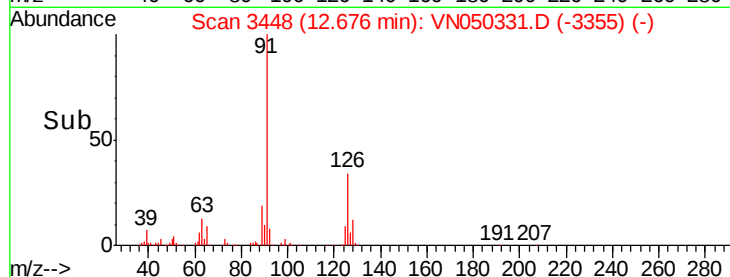
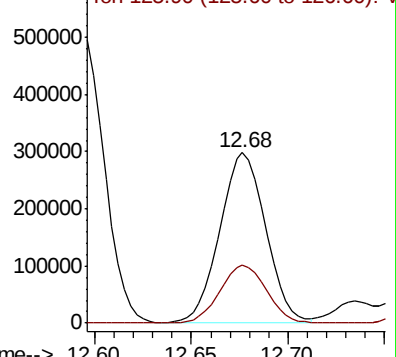
Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050331.D

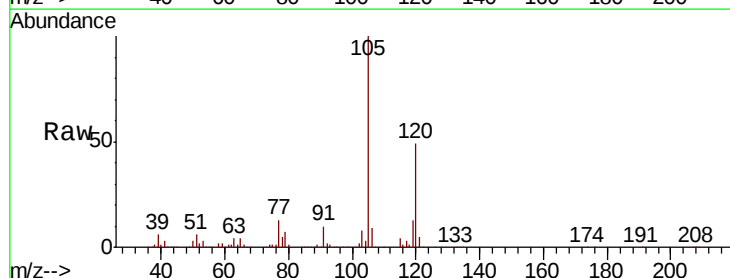
Acq: 3 Aug 2018 23:41

Tgt Ion: 105 Resp: 581691

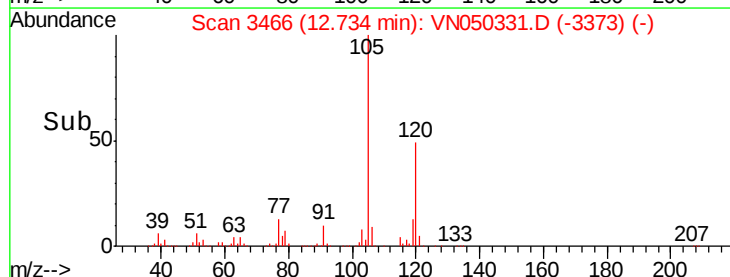
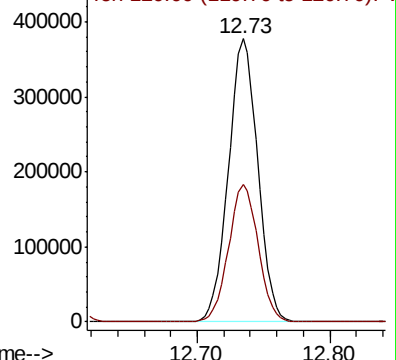
Ion Ratio Lower Upper

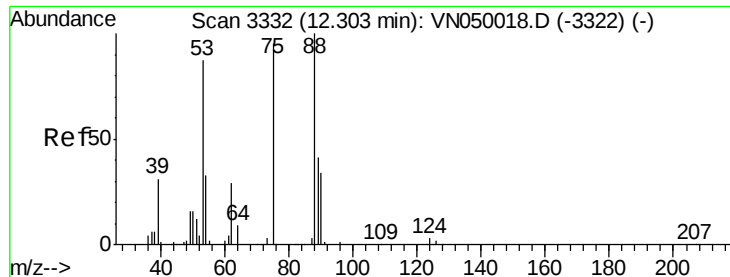
105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

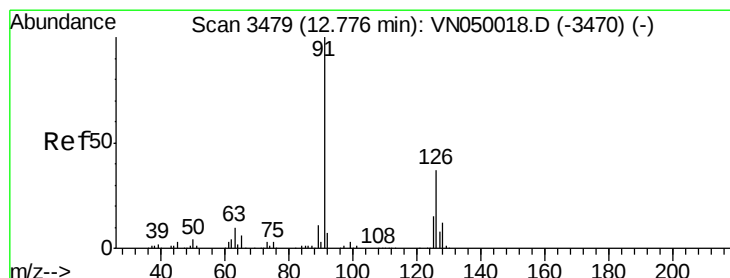
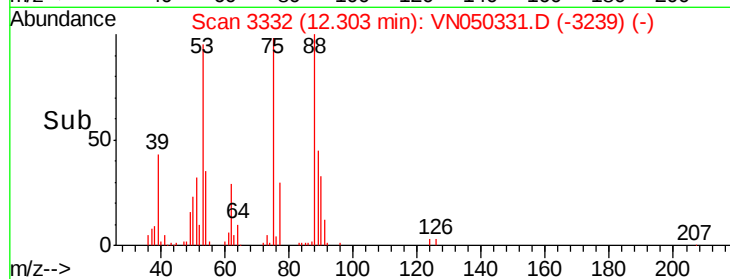
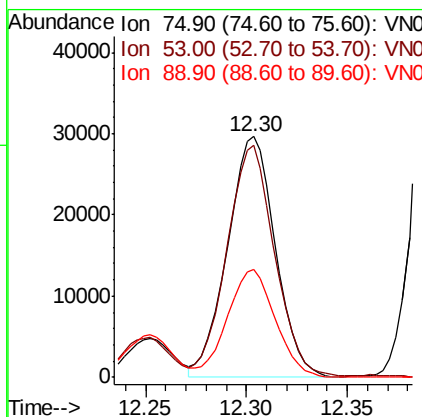
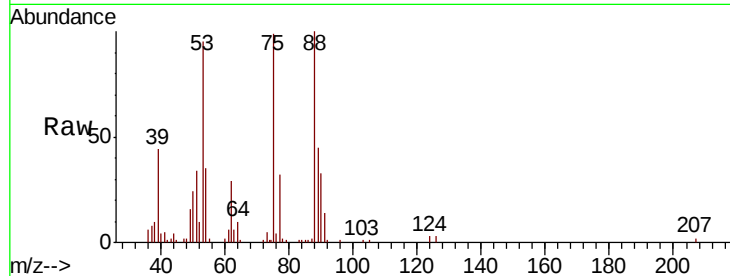




#81
trans-1,4-Dichloro-2-butene
Concen: 19.62 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

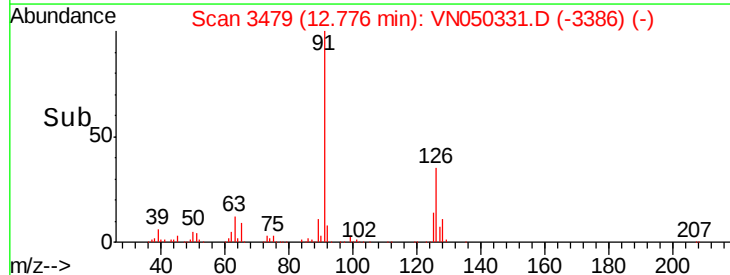
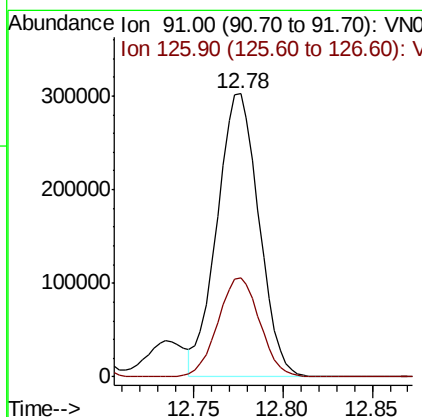
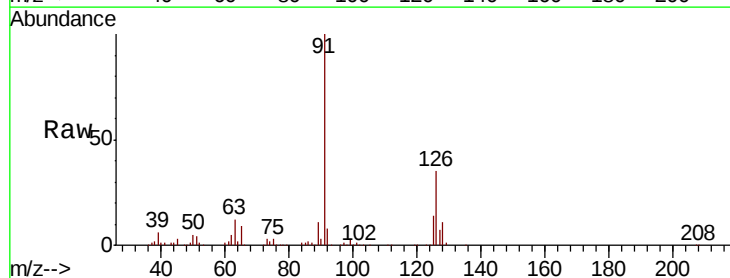
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

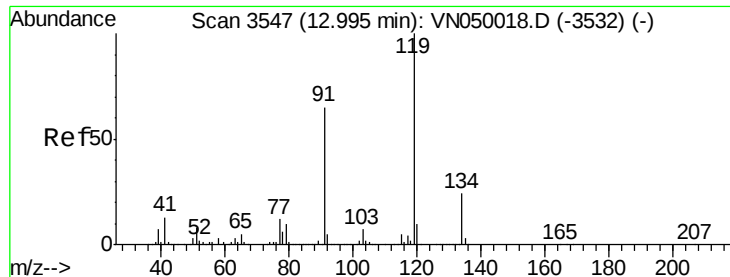
Tot Ion: 75 Resp: 49190
Ion Ratio Lower Upper
75 100
53 95.5 73.5 110.3
89 44.8 36.0 54.0



#82
4-Chlorotoluene
Concen: 21.62 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 91 Resp: 492153
Ion Ratio Lower Upper
91 100
126 34.9 17.0 51.0

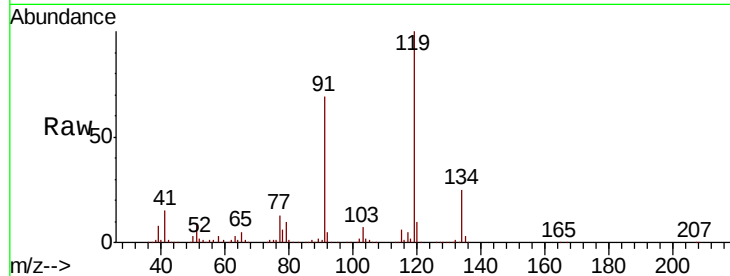




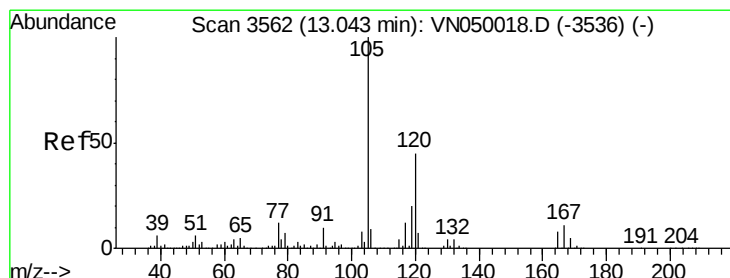
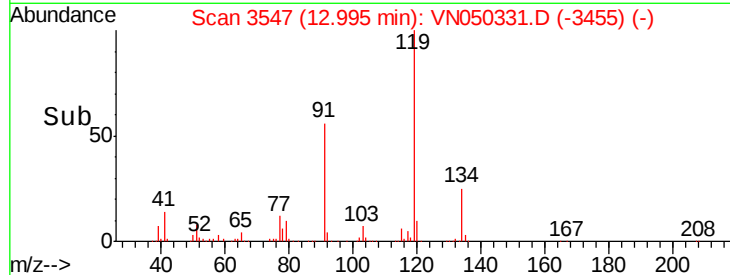
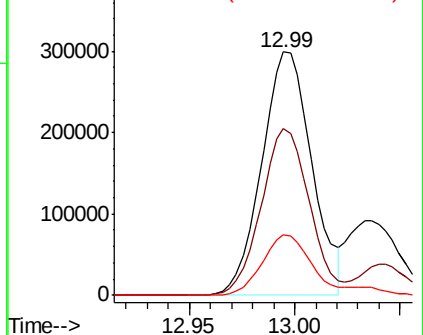
#83
 tert-Butylbenzene
 Concen: 21.74 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.1	96.3
134	24.3	13.2	39.5

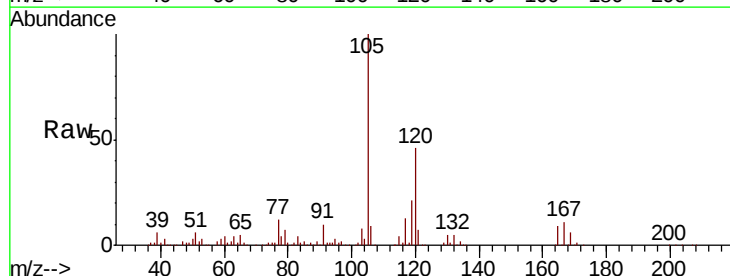


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

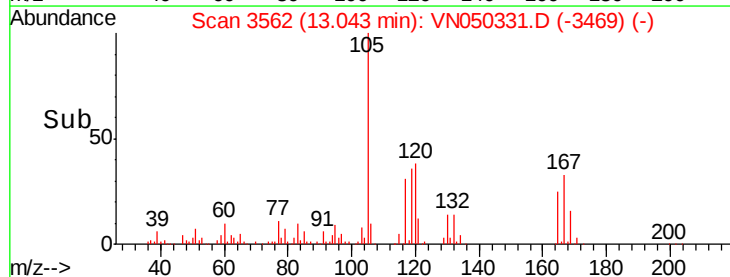
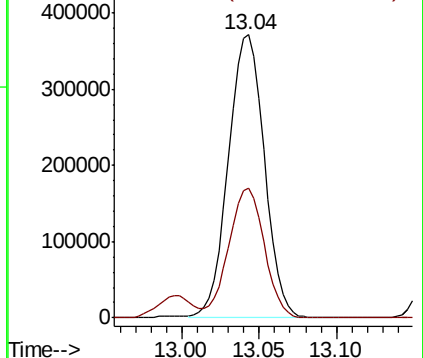


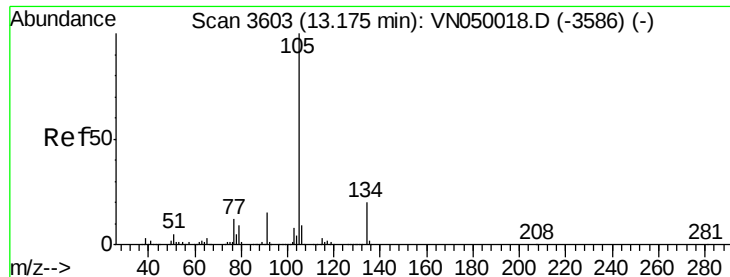
#84
 1,2,4-Trimethylbenzene
 Concen: 22.72 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.78 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

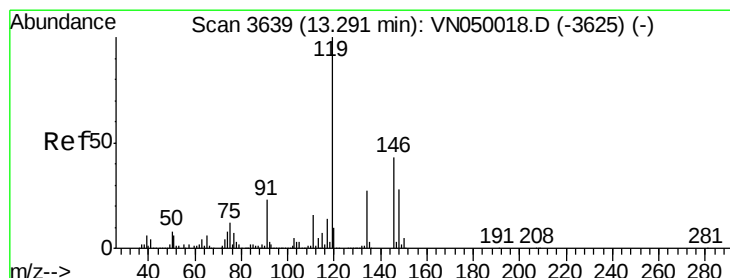
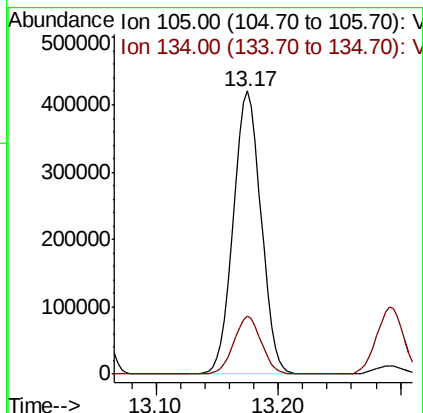
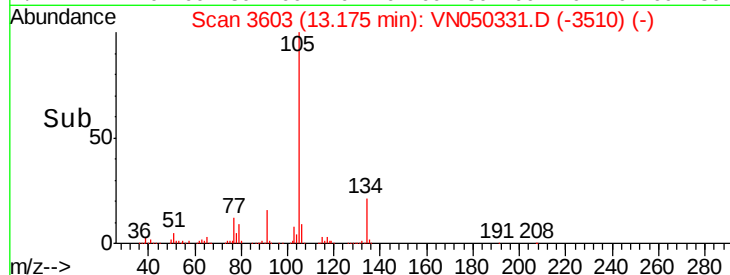
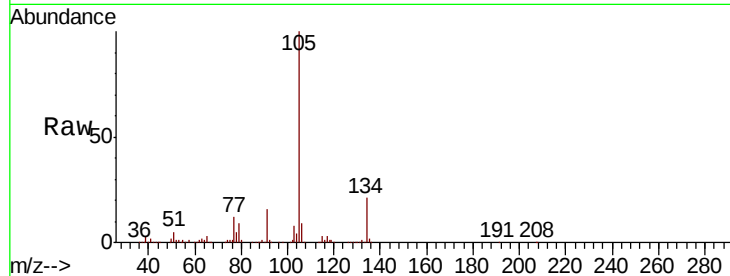
VN0803WBS03

Tot Ion:105 Resp: 662917

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 22.05 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

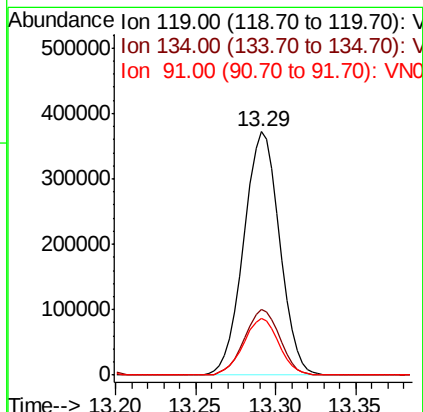
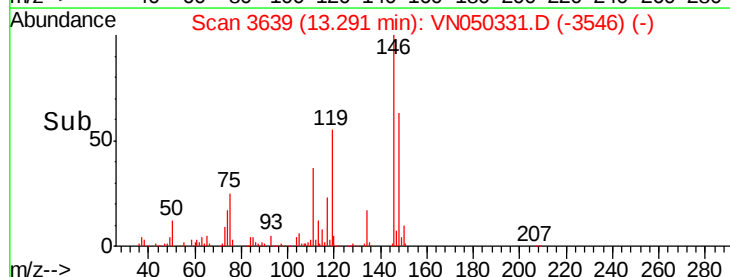
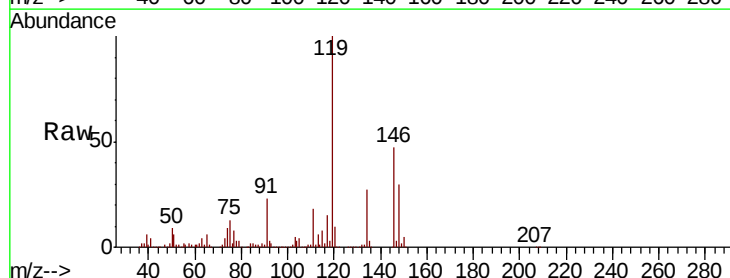
Tgt Ion:119 Resp: 565648

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.0 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.99 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

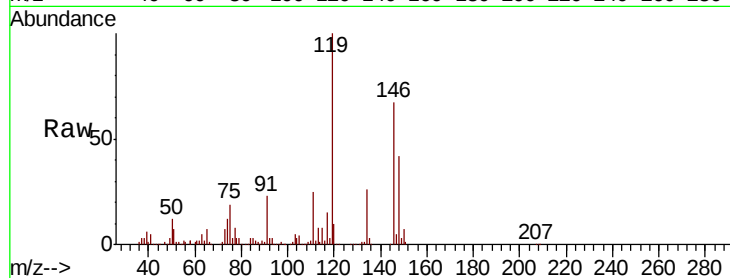
Tot Ion:146 Resp: 327334

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

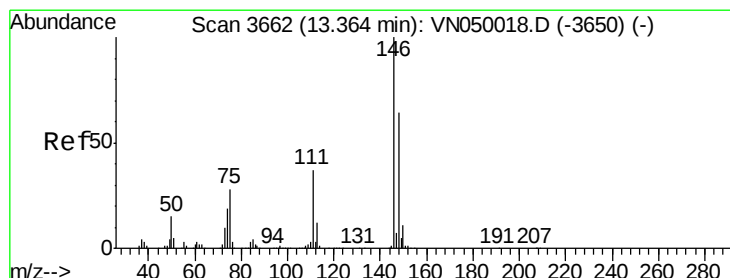
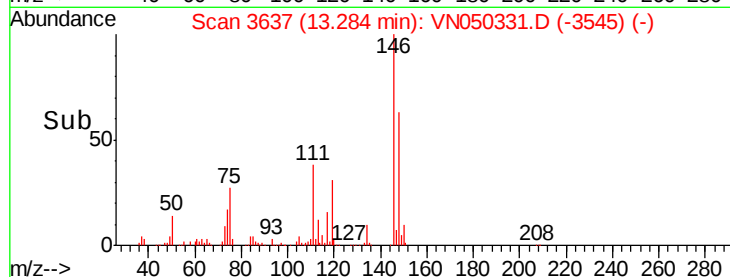
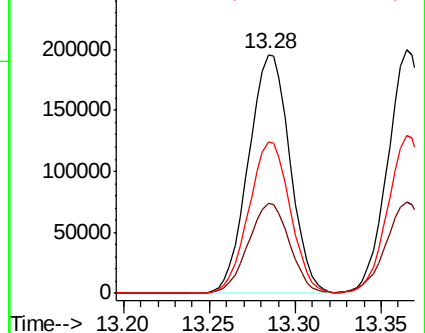
148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.37 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

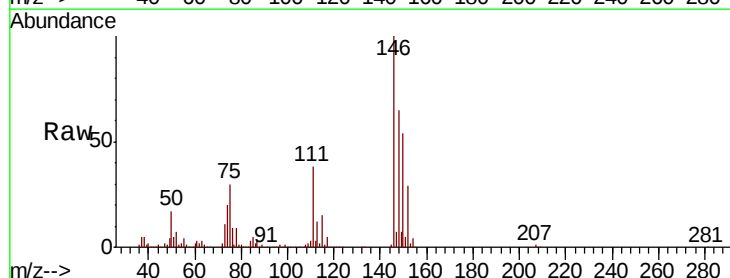
Tgt Ion:146 Resp: 324809

Ion Ratio Lower Upper

146 100

111 38.4 18.3 54.9

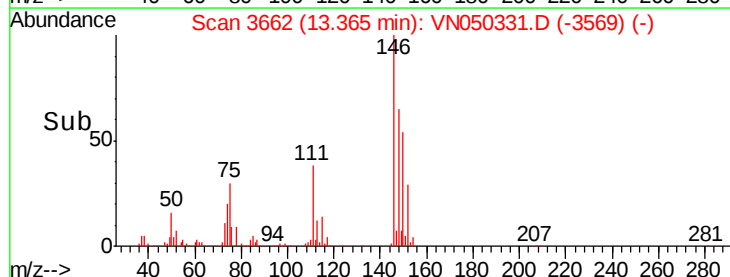
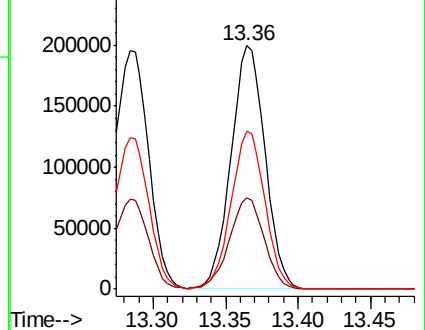
148 64.3 31.9 95.9

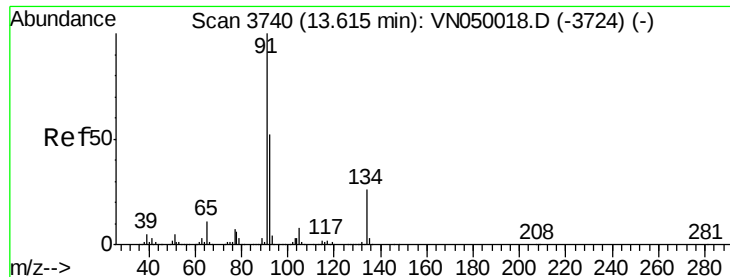


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

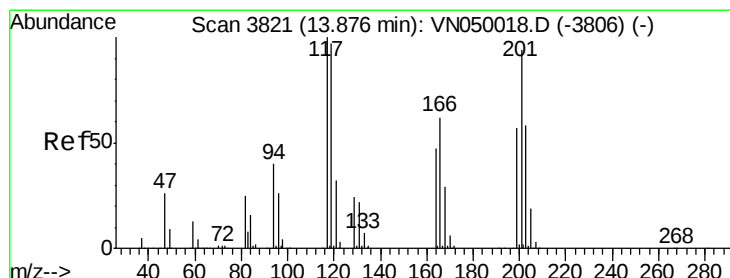
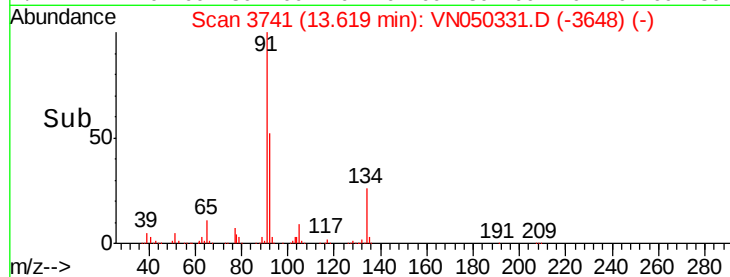
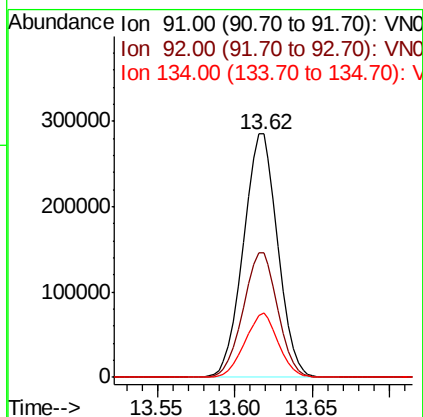
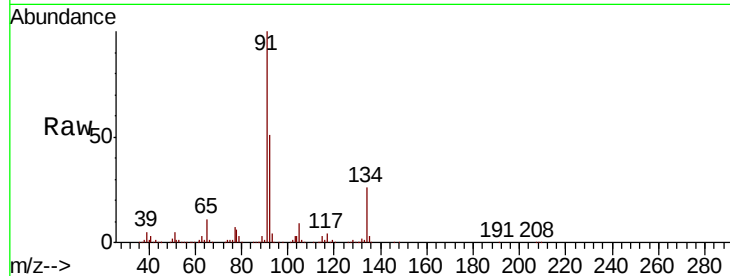




#89
n-Butylbenzene
Concen: 20.91 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

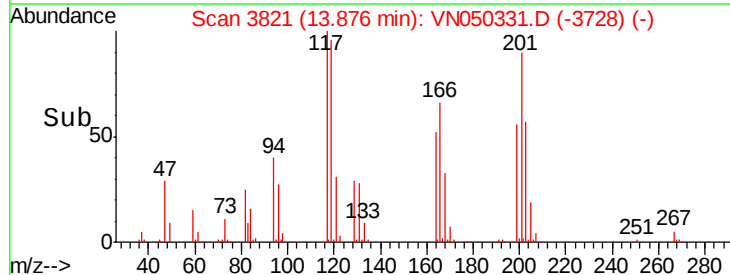
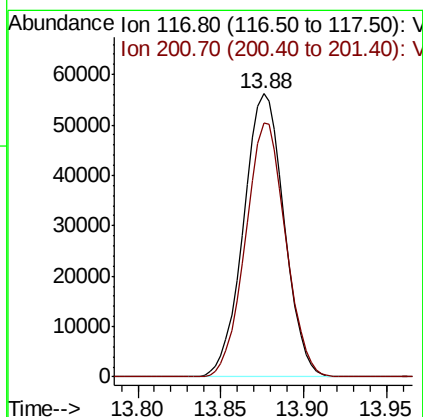
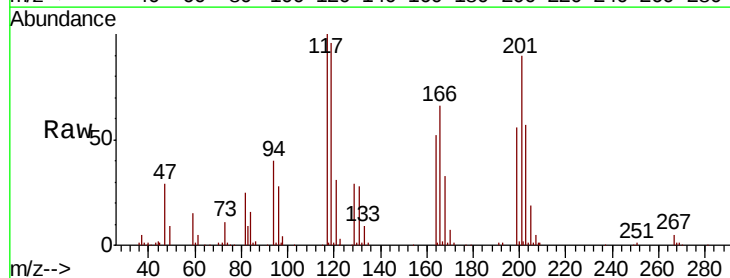
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

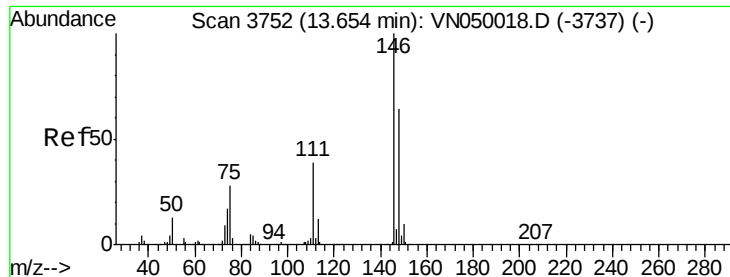
Tot Ion: 91 Resp: 441005
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 25.6 12.8 38.4



#90
Hexachloroethane
Concen: 16.84 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 117 Resp: 95926
Ion Ratio Lower Upper
117 100
201 88.6 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 21.16 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

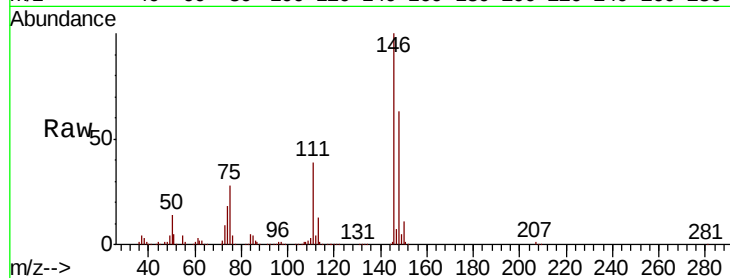
Tot Ion:146 Resp: 329792

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

148 63.8 32.1 96.3

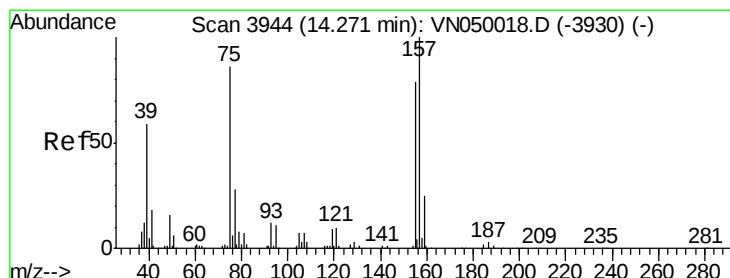
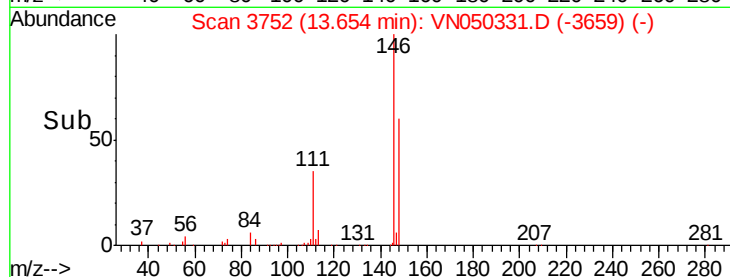
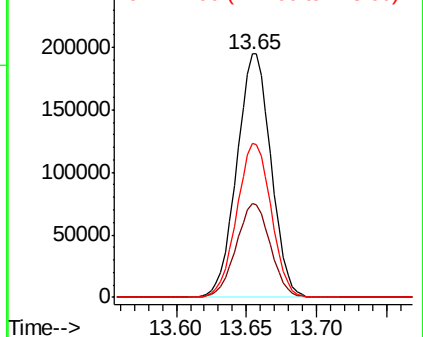


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.71 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

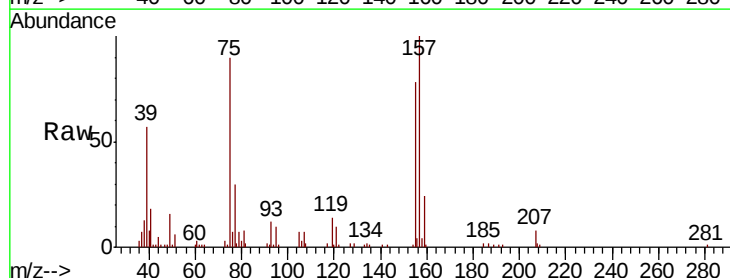
Tgt Ion: 75 Resp: 34239

Ion Ratio Lower Upper

75 100

155 87.3 44.8 134.4

157 110.4 57.2 171.6

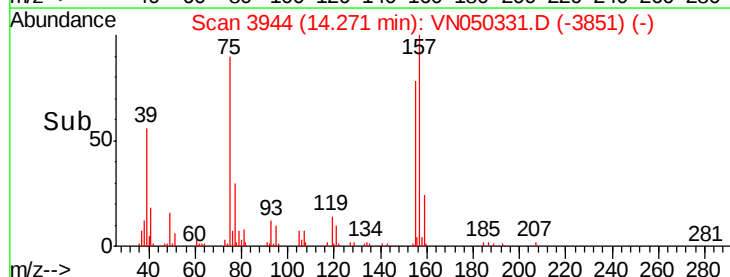
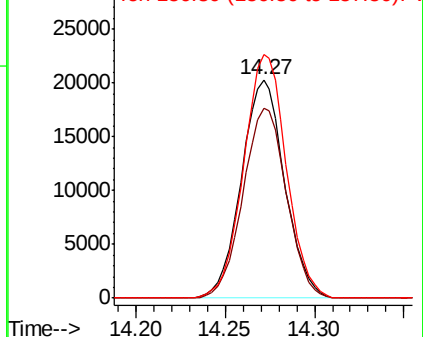


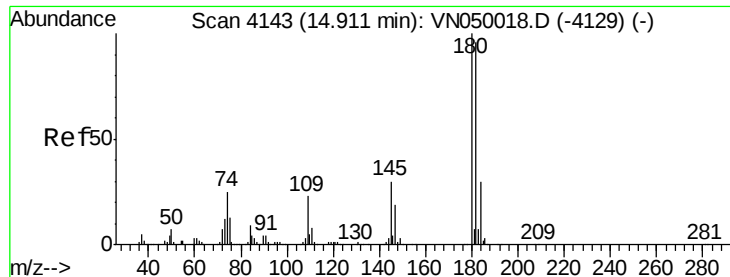
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

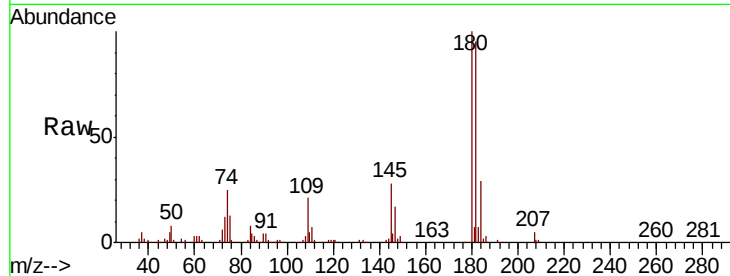




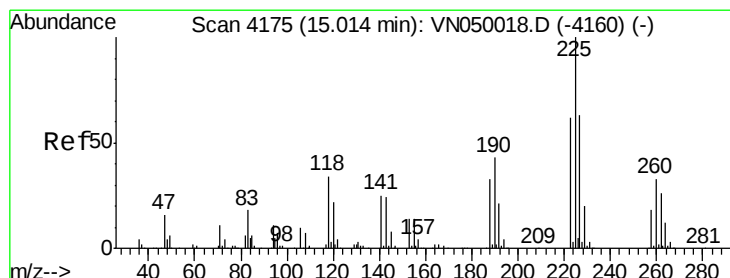
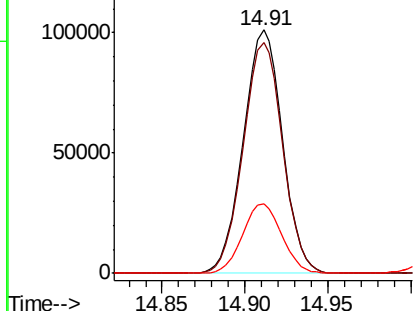
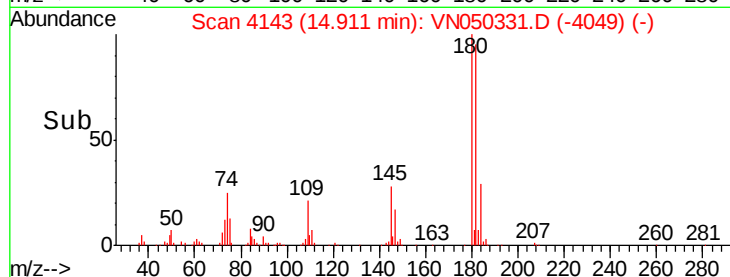
#93
 1,2,4-Trichlorobenzene
 Concen: 21.92 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

Tot Ion:180 Resp: 165941
 Ion Ratio Lower Upper
 180 100
 182 95.9 46.7 140.1
 145 28.7 13.8 41.4

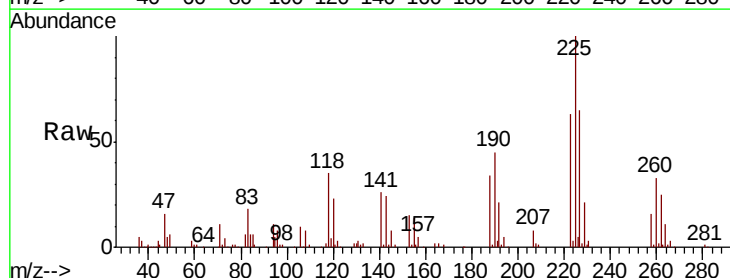


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

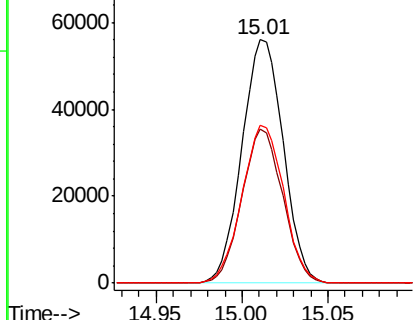
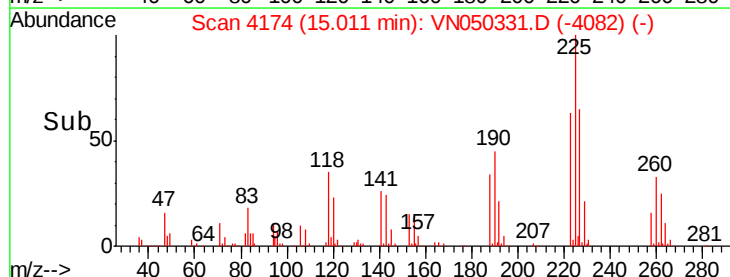


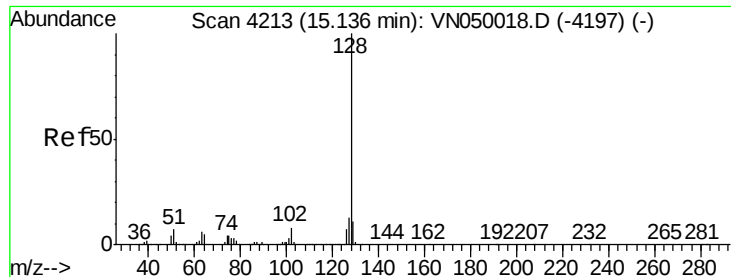
#94
 Hexachlorobutadiene
 Concen: 19.62 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion:225 Resp: 93602
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.2
 227 65.4 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.47 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

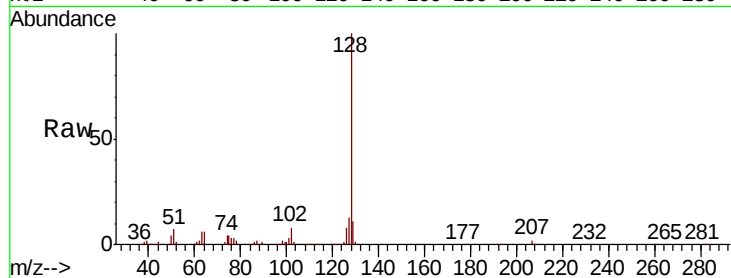
Tot Ion:128 Resp: 387066

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

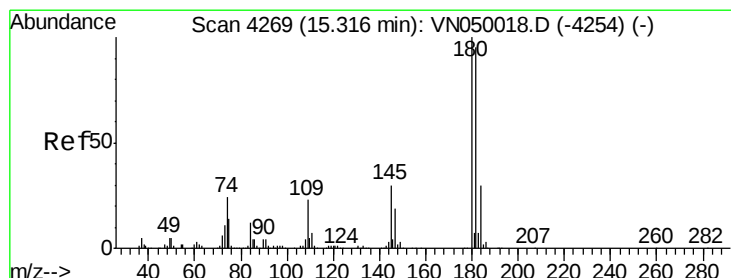
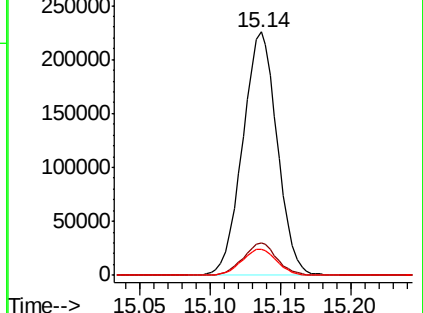
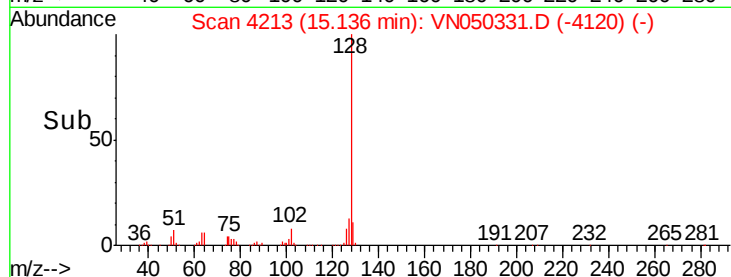
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.05 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

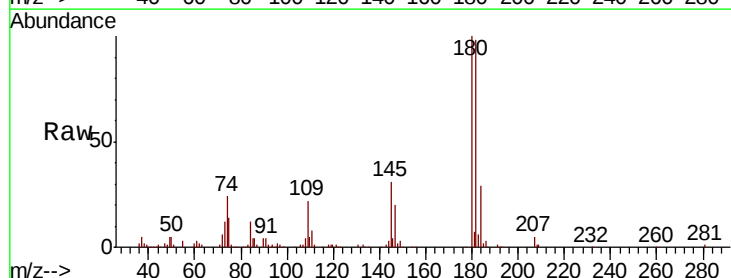
Tgt Ion:180 Resp: 167176

Ion Ratio Lower Upper

180 100

182 96.5 48.1 144.4

145 31.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

