

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050383.D
 Acq On : 6 Aug 2018 15:01
 Operator : MD\SY
 Sample : VN0806WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Quant Time: Aug 07 05:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	670231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	907121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	469271	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	444089	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.59	113	392707	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1476690	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	488790	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	154517	20.77	ug/l	99
3) Chloromethane	2.06	50	188551	20.59	ug/l	99
4) Vinyl Chloride	2.18	62	198070	20.57	ug/l	99
5) Bromomethane	2.56	94	92826	19.98	ug/l	99
6) Chloroethane	2.70	64	119961	20.22	ug/l	98
7) Trichlorofluoromethane	3.01	101	254835	20.49	ug/l	98
8) Diethyl Ether	3.41	74	93337	20.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	157370	20.47	ug/l	99
10) Methyl Iodide	3.95	142	75762	22.37	ug/l	99
11) Tert butyl alcohol	4.80	59	75381	104.79	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	148493	20.49	ug/l	98
13) Acrolein	3.61	56	93597	109.02	ug/l	97
14) Allyl chloride	4.32	41	232786	20.01	ug/l	98
15) Acrylonitrile	4.99	53	307107	101.92	ug/l	99
16) Acetone	3.82	43	275368	102.90	ug/l	99
17) Carbon Disulfide	4.05	76	441214	18.73	ug/l	100
18) Methyl Acetate	4.33	43	145685	20.88	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	428121	20.82	ug/l	99
20) Methylene Chloride	4.55	84	175373	20.56	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155487	19.83	ug/l	98
22) Diisopropyl ether	5.96	45	502265	21.13	ug/l	99
23) Vinyl Acetate	5.90	43	1773994	104.60	ug/l	99
24) 1,1-Dichloroethane	5.85	63	296572	20.33	ug/l	99
25) 2-Butanone	6.84	43	457084	103.01	ug/l	100
26) 2,2-Dichloropropane	6.83	77	242226	20.14	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	179114	20.61	ug/l	99
28) Bromochloromethane	7.20	49	134863	20.09	ug/l	99
29) Tetrahydrofuran	7.22	42	247337	104.14	ug/l	99
30) Chloroform	7.37	83	298734	20.49	ug/l	97
31) Cyclohexane	7.66	56	266084	20.35	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	256347	20.47	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222088	20.50	ug/l	99
37) Ethyl Acetate	6.93	43	167346	21.45	ug/l	99
38) Carbon Tetrachloride	7.77	117	225377	19.94	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Aug 07 05:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	243534	20.59	ug/l	97
40) Benzene	8.04	78	685476	20.58	ug/l	99
41) Methacrylonitrile	7.18	41	67246	16.21	ug/l	98
42) 1,2-Dichloroethane	8.13	62	219027	20.71	ug/l	100
43) Isopropyl Acetate	8.17	43	279276	20.73	ug/l	98
44) Trichloroethene	8.84	130	177447	19.82	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177353	20.25	ug/l	96
46) Dibromomethane	9.21	93	109720	20.29	ug/l	97
47) Bromodichloromethane	9.40	83	224293	20.02	ug/l	100
48) Methyl methacrylate	9.20	41	140033	20.74	ug/l	99
49) 1,4-Dioxane	9.20	88	41336	397.22	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1030103	106.19	ug/l	99
52) Toluene	10.16	92	416985	20.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227919	20.26	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	260286	20.74	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	160826	20.59	ug/l	99
56) Ethyl methacrylate	10.43	69	205549	19.67	ug/l	99
57) 1,3-Dichloropropane	10.71	76	265090	20.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	474700	96.80	ug/l	100
59) 2-Hexanone	10.75	43	705126	104.15	ug/l	99
60) Dibromochloromethane	10.90	129	175993	20.45	ug/l	100
61) 1,2-Dibromoethane	11.01	107	160972	20.91	ug/l	100
64) Tetrachloroethene	10.63	164	172191	20.32	ug/l	100
65) Chlorobenzene	11.44	112	454504	19.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	168482	20.36	ug/l	100
67) Ethyl Benzene	11.51	91	758272	20.63	ug/l	100
68) m/p-Xylenes	11.62	106	591811	42.29	ug/l	100
69) o-Xylene	11.95	106	280608	20.82	ug/l	99
70) Styrene	11.97	104	457508	20.87	ug/l	99
71) Bromoform	12.13	173	124077	20.51	ug/l #	99
73) Isopropylbenzene	12.25	105	745165	21.15	ug/l	100
74) N-amyl acetate	12.07	43	236370	20.70	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	208687	20.53	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	252004	29.67	ug/l #	100
77) Bromobenzene	12.53	156	196145	20.78	ug/l	99
78) n-propylbenzene	12.59	91	852805	21.39	ug/l	99
79) 2-Chlorotoluene	12.68	91	518052	21.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	620388	21.70	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51462	21.29	ug/l	97
82) 4-Chlorotoluene	12.78	91	515043	20.97	ug/l	99
83) tert-Butylbenzene	12.99	119	525198	21.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	632037	21.82	ug/l	100
85) sec-Butylbenzene	13.17	105	697908	20.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	604304	21.21	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341951	20.34	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	330802	19.71	ug/l	98
89) n-Butylbenzene	13.62	91	477204	19.67	ug/l	100
90) Hexachloroethane	13.88	117	101726	20.08	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	339535	20.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33257	19.27	ug/l	98

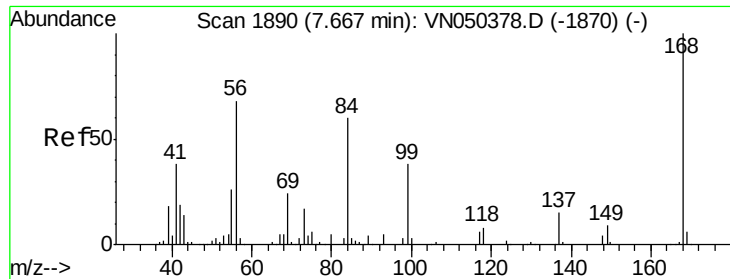
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
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Quant Time: Aug 07 05:46:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	168242	19.60	ug/l	99
94) Hexachlorobutadiene	15.01	225	100176	20.40	ug/l	100
95) Naphthalene	15.14	128	383155	19.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	167141	19.26	ug/l	98

(#) = 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: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

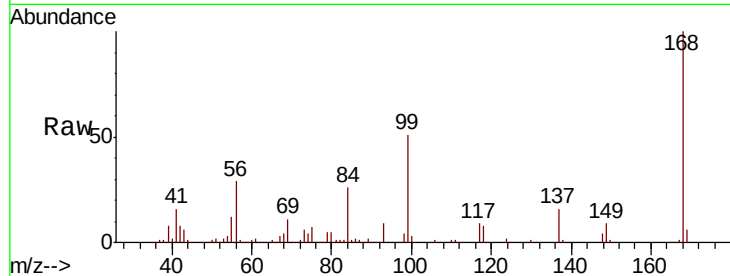
VN0806WBS01

Tot Ion:168 Resp: 670231

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050383.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050383.D (-1870) (-)

7.67

300000

250000

200000

150000

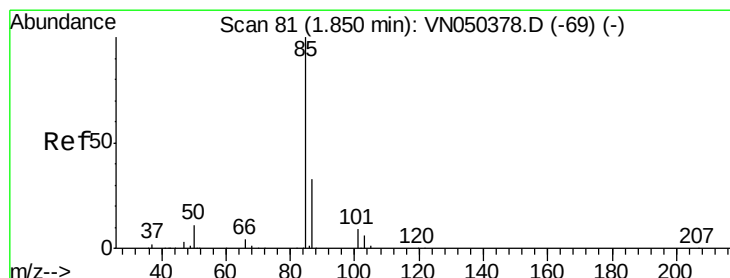
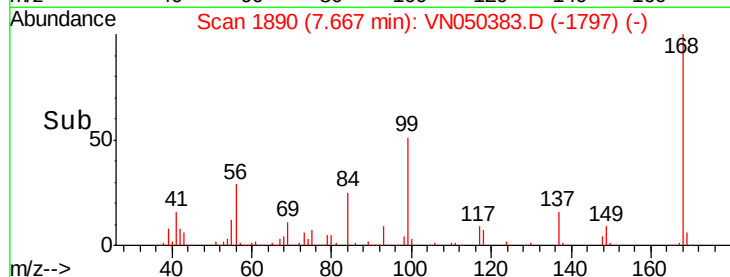
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.77 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050383.D

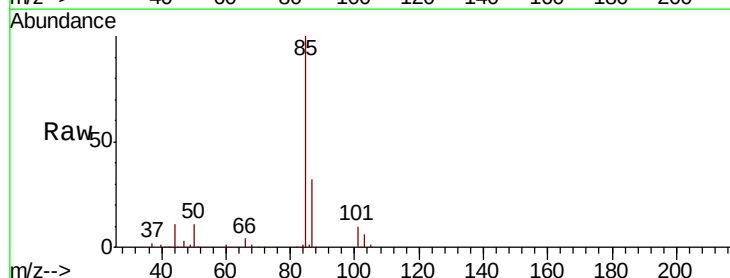
Acq: 6 Aug 2018 15:01

Tgt Ion: 85 Resp: 154517

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050383.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN050383.D (-1) (-)

1.85

120000

100000

80000

60000

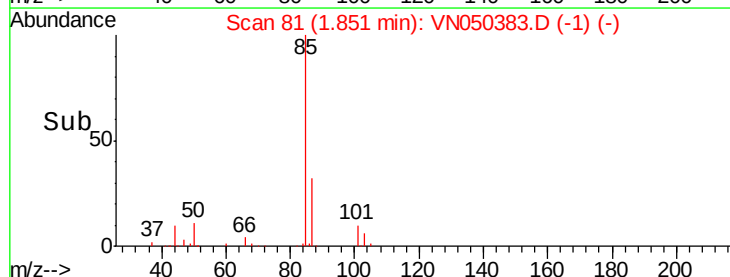
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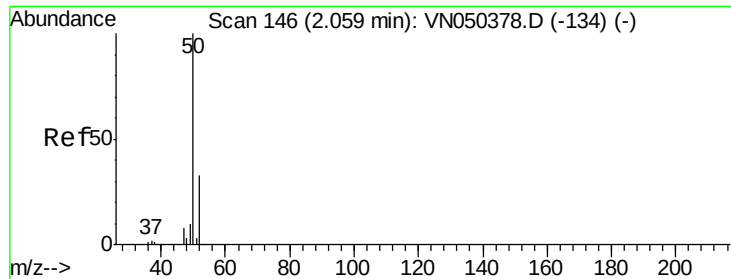
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.59 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

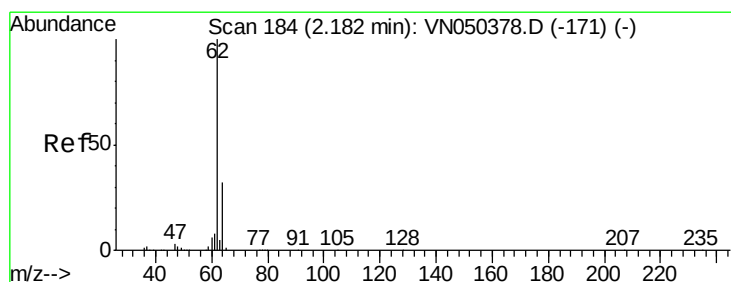
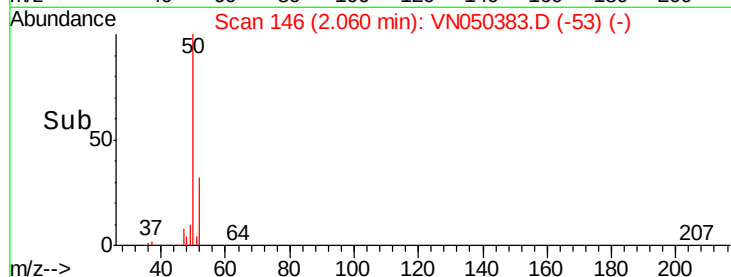
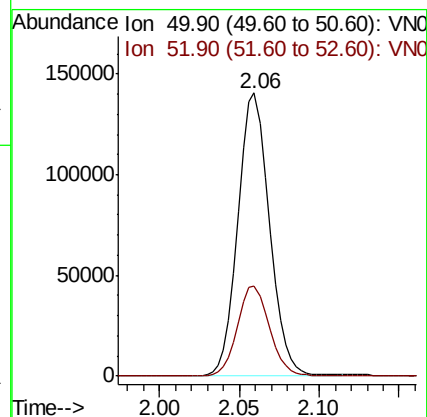
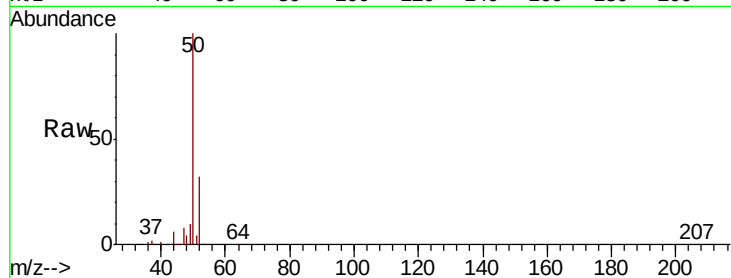
VN0806WBS01

Tot Ion: 50 Resp: 188551

Ion Ratio Lower Upper

50 100

52 31.9 25.9 38.9



#4

Vinyl Chloride

Concen: 20.57 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050383.D

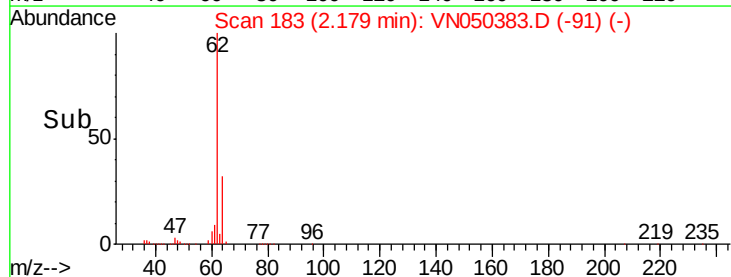
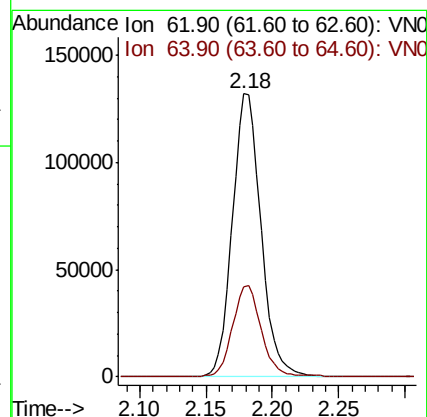
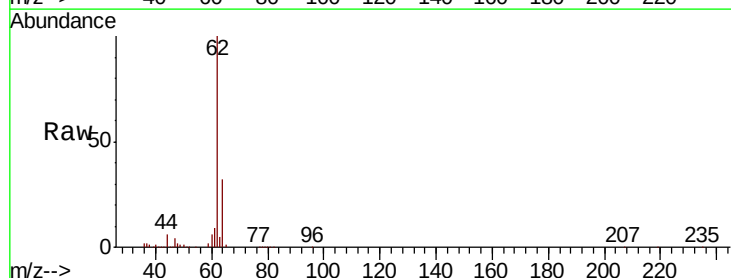
Acq: 6 Aug 2018 15:01

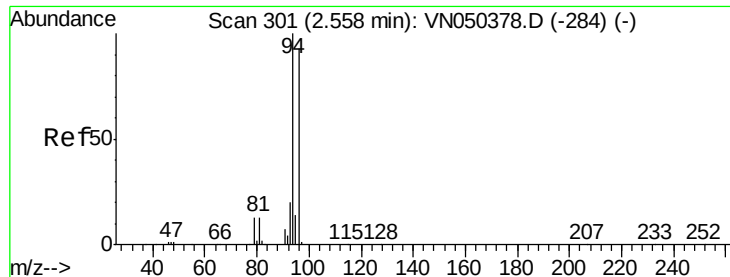
Tgt Ion: 62 Resp: 198070

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 19.98 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

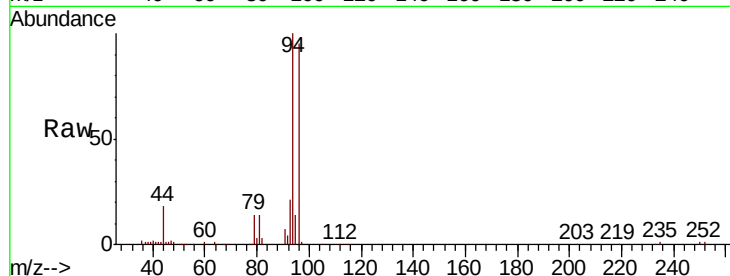
VN0806WBS01

Tot Ion: 94 Resp: 92826

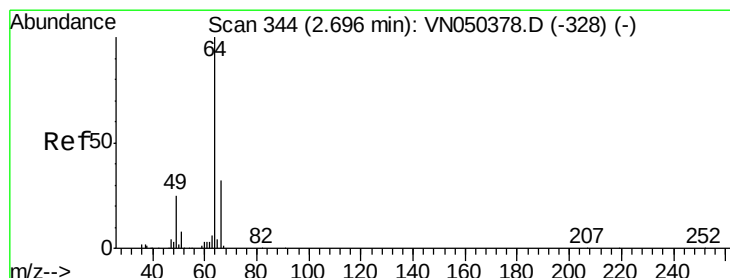
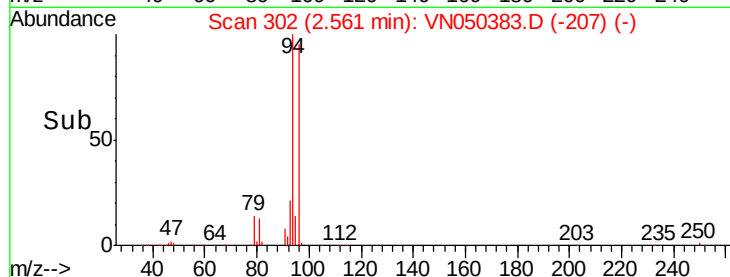
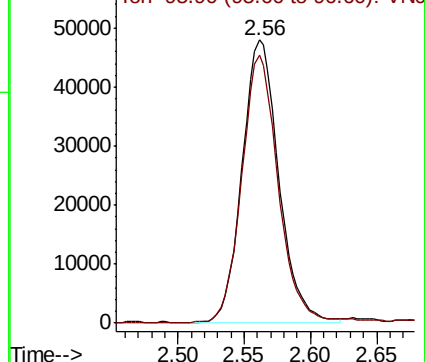
Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.22 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050383.D

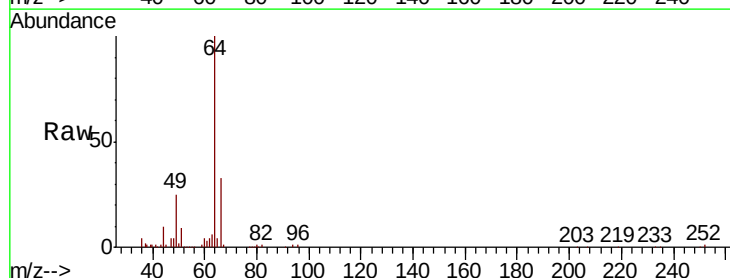
Acq: 6 Aug 2018 15:01

Tgt Ion: 64 Resp: 119961

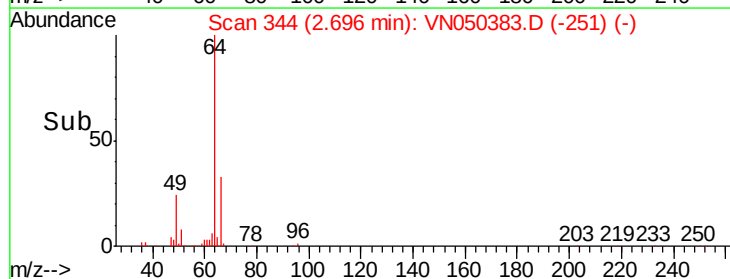
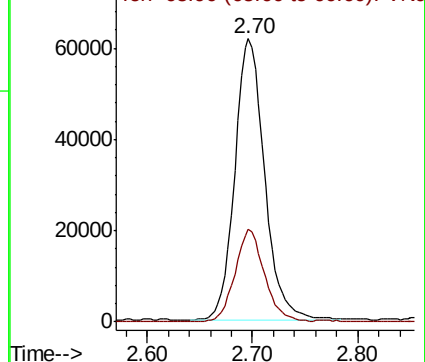
Ion Ratio Lower Upper

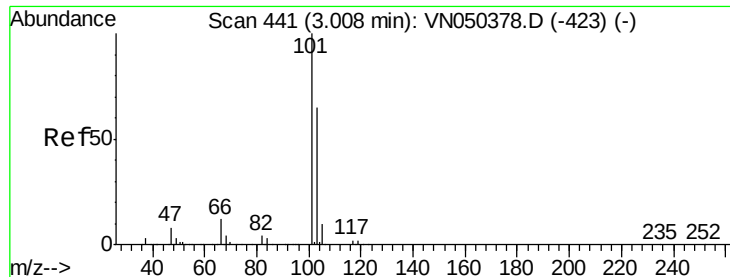
64 100

66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



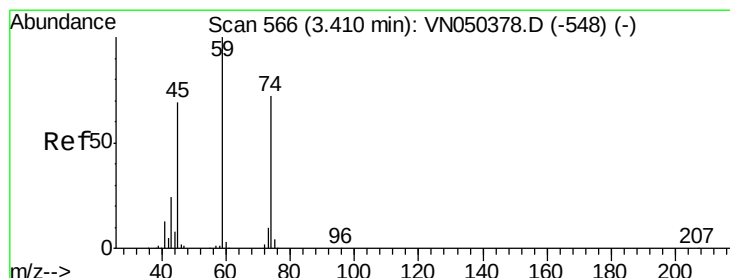
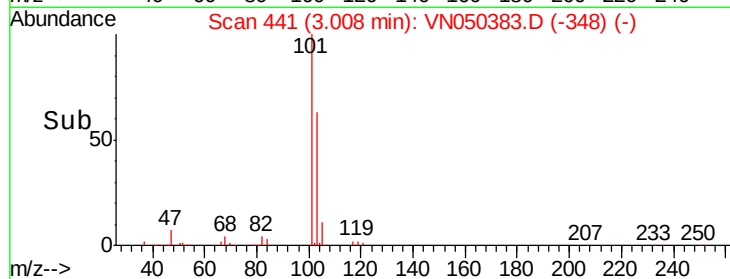
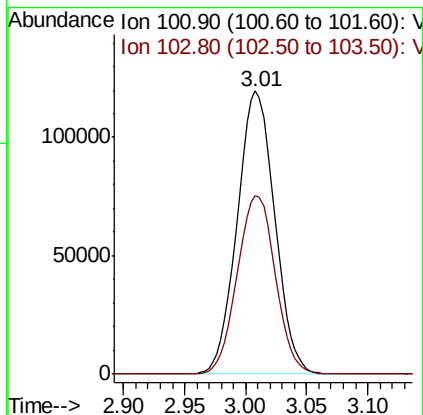
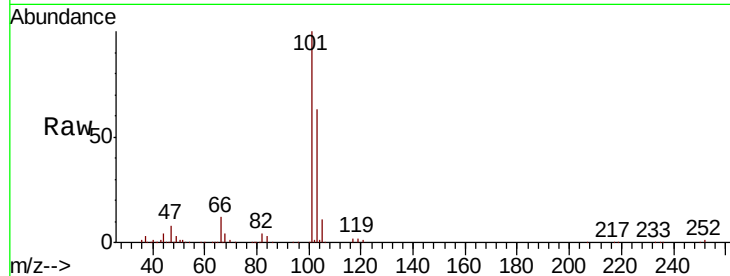


#7

Trichlorofluoromethane
 Concen: 20.49 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

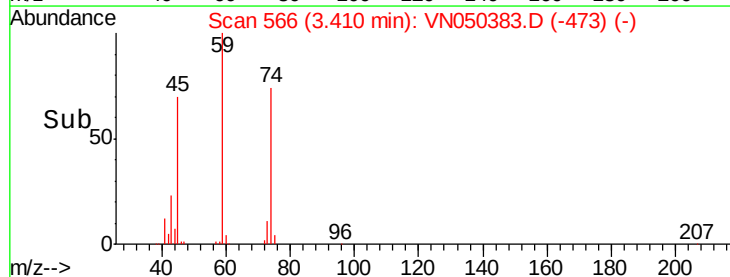
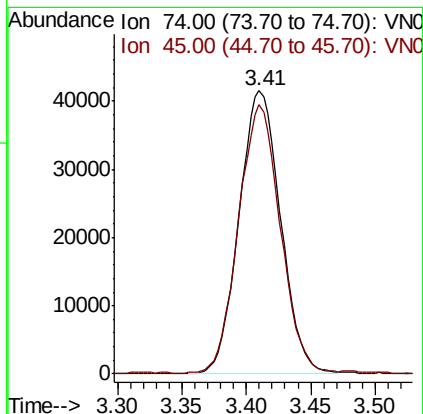
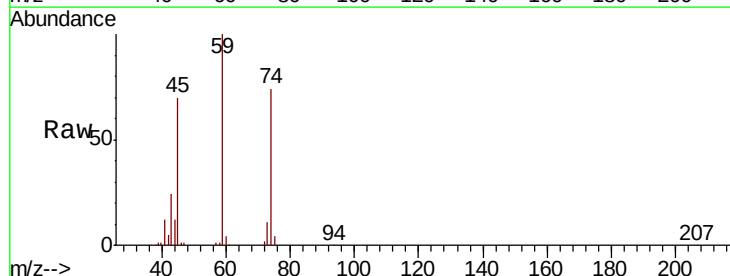
Tot Ion:101 Resp: 254835
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.7 77.5

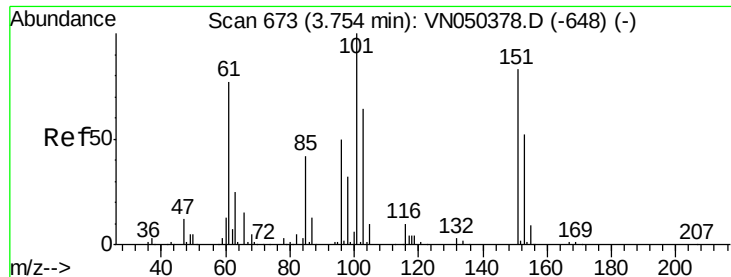


#8

Diethyl Ether
 Concen: 20.46 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 74 Resp: 93337
 Ion Ratio Lower Upper
 74 100
 45 96.0 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.47 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

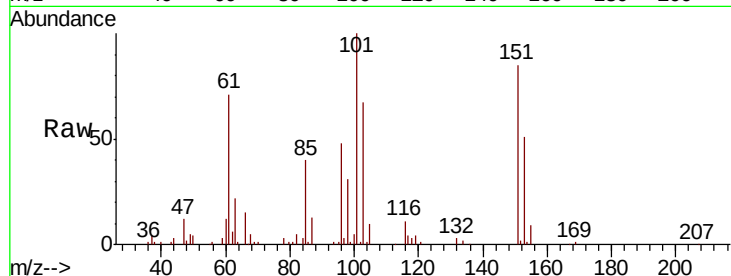
Tot Ion:101 Resp: 157370

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

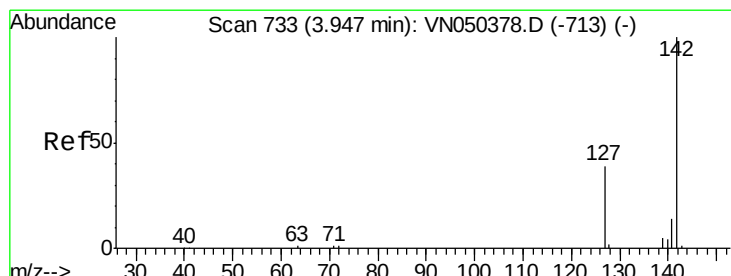
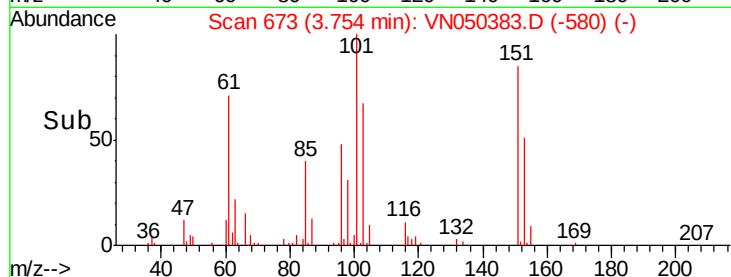
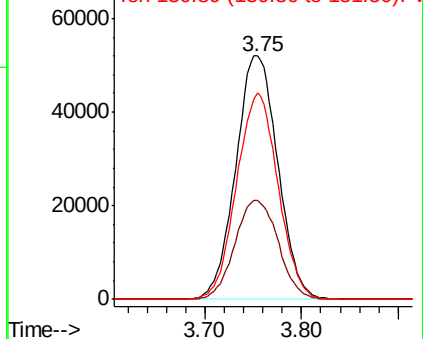
151 83.2 66.3 99.5



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: 22.37 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

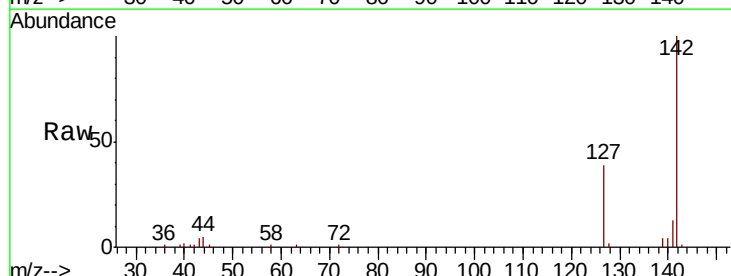
Tgt Ion:142 Resp: 75762

Ion Ratio Lower Upper

142 100

127 40.8 33.4 50.2

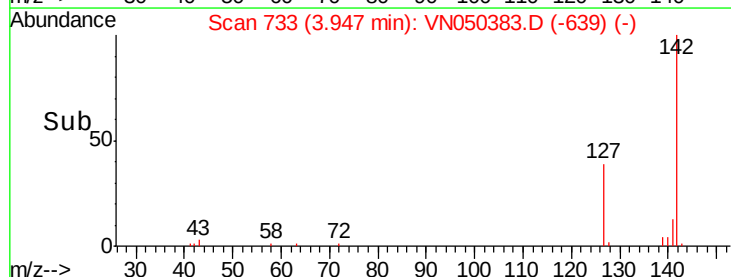
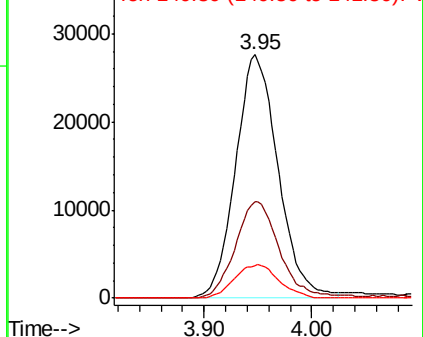
141 14.3 11.6 17.4

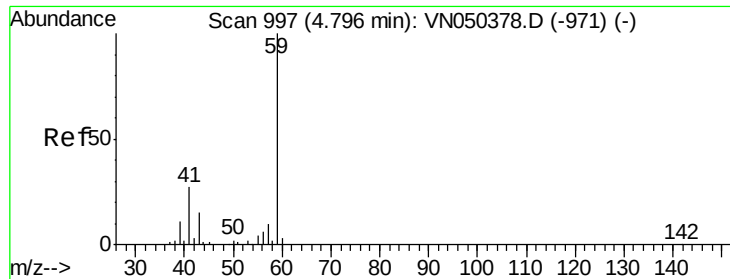


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

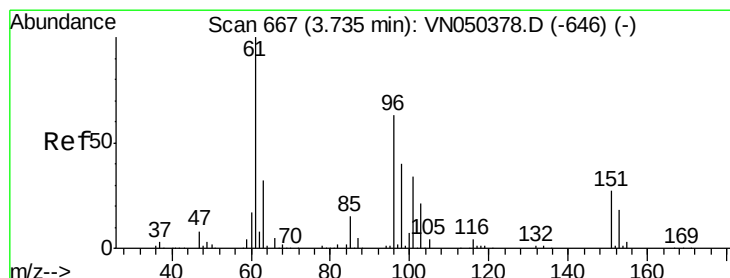
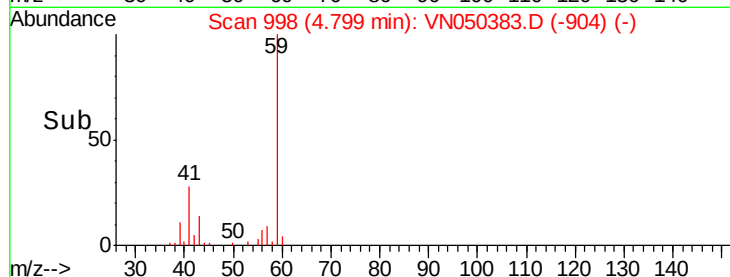
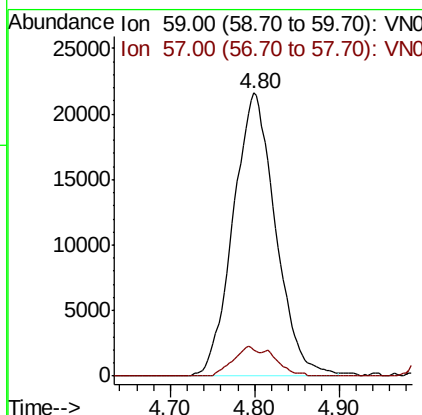
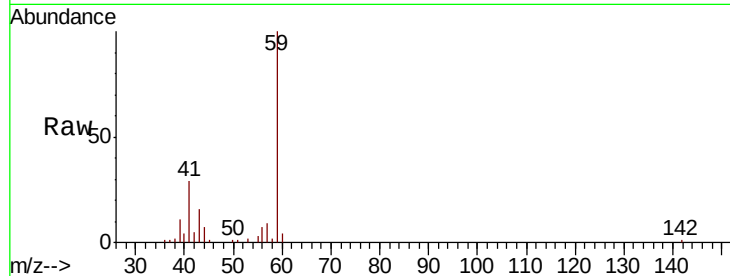




#11
Tert butyl alcohol
Concen: 104.79 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

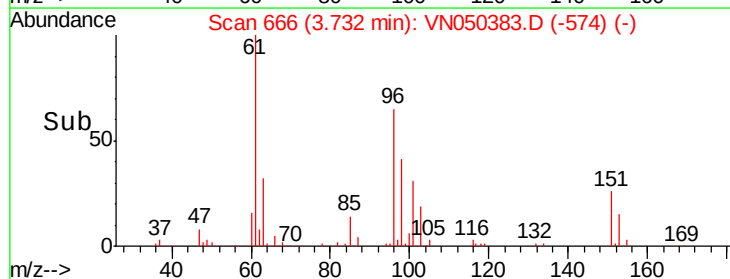
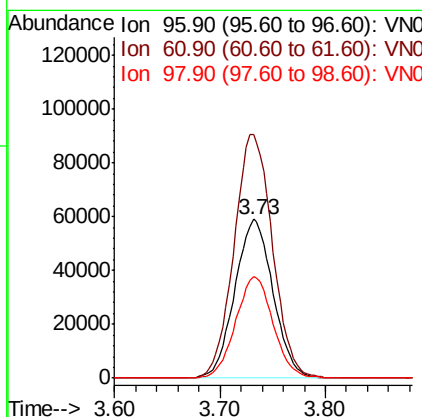
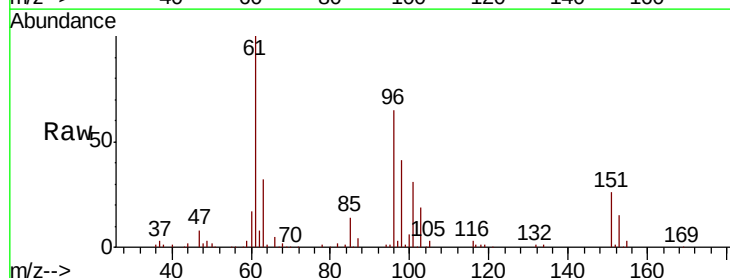
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

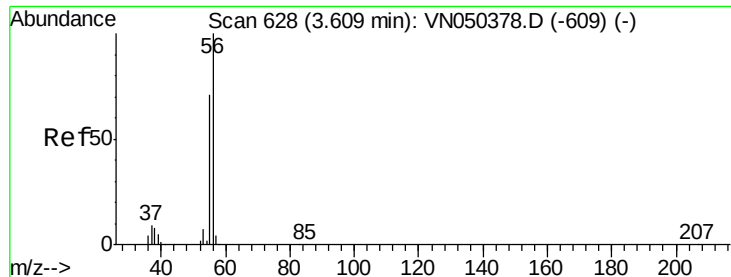
Tot Ion: 59 Resp: 75381
Ion Ratio Lower Upper
59 100
57 6.1 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 20.49 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 96 Resp: 148493
Ion Ratio Lower Upper
96 100
61 153.4 124.4 186.6
98 63.6 48.3 72.5





#13

Acrolein

Concen: 109.02 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

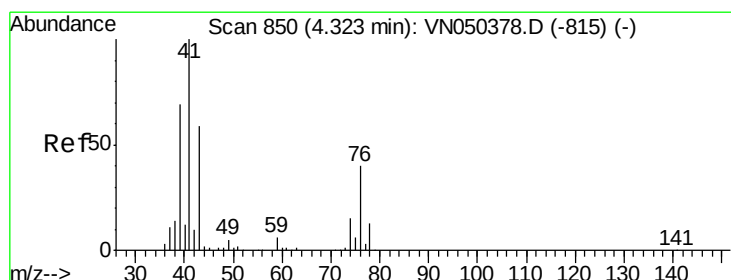
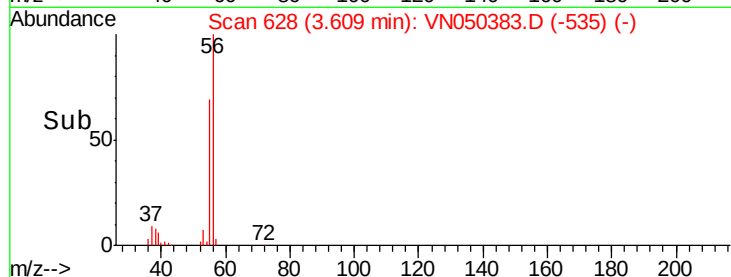
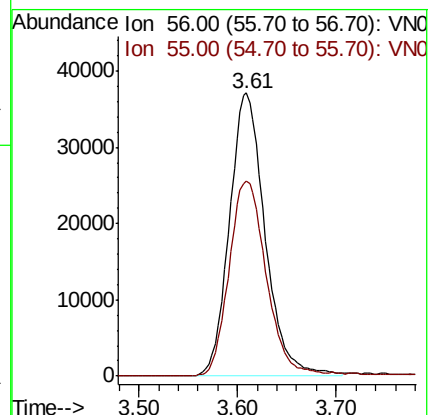
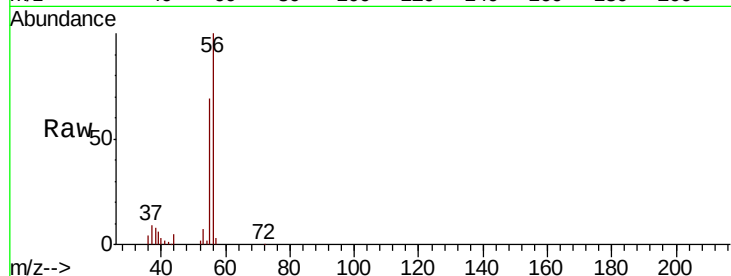
VN0806WBS01

Tot Ion: 56 Resp: 93597

Ion Ratio Lower Upper

56 100

55 71.9 55.8 83.6



#14

Allyl chloride

Concen: 20.01 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

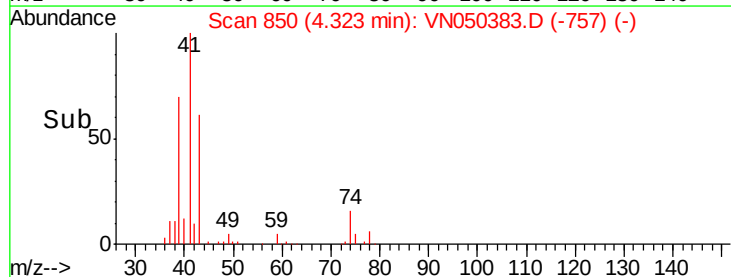
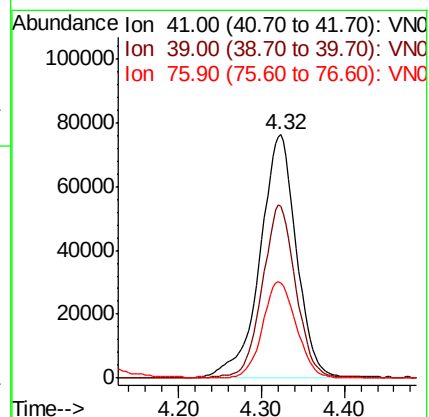
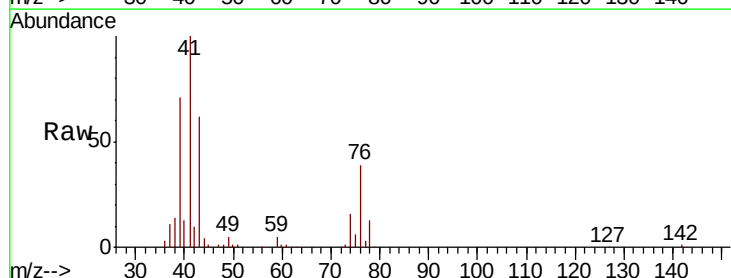
Tgt Ion: 41 Resp: 232786

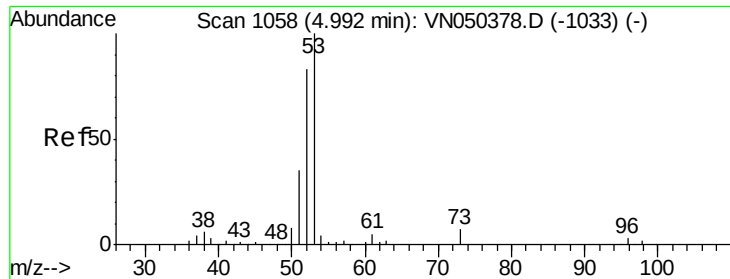
Ion Ratio Lower Upper

41 100

39 65.8 54.2 81.4

76 36.8 29.0 43.6

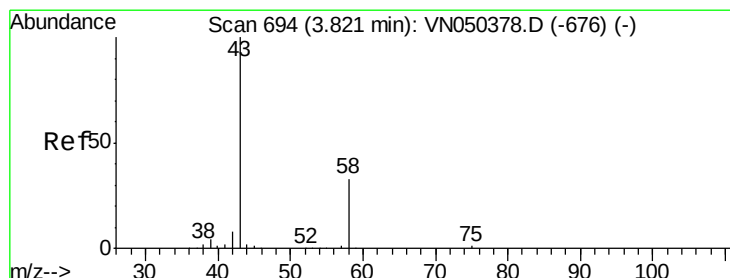
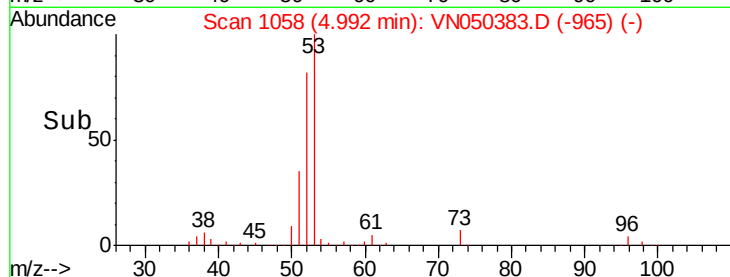
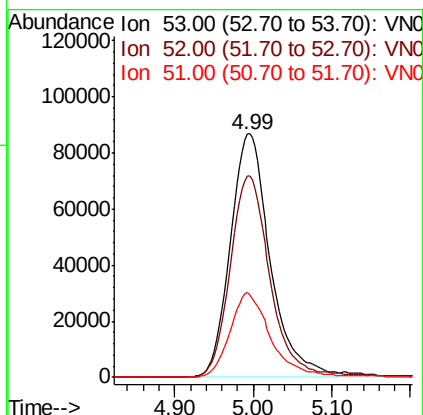
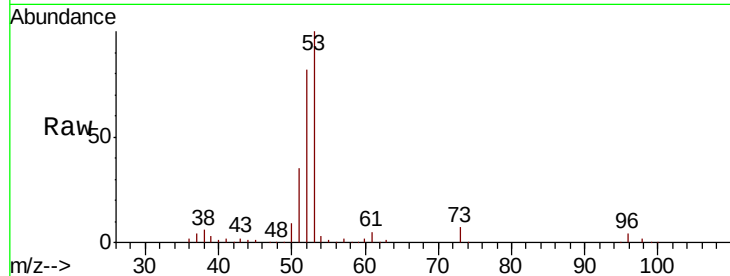




#15
 Acrylonitrile
 Concen: 101.92 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

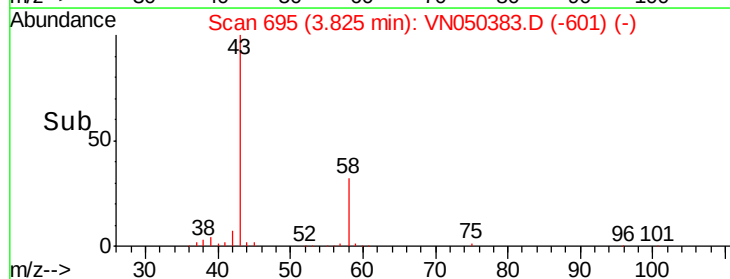
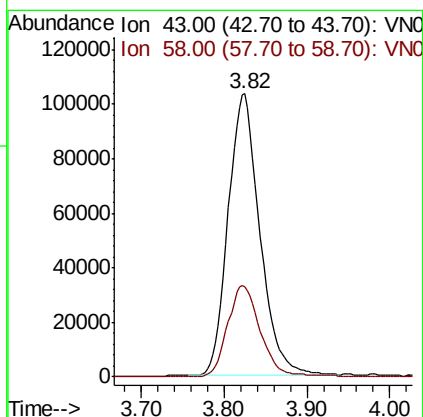
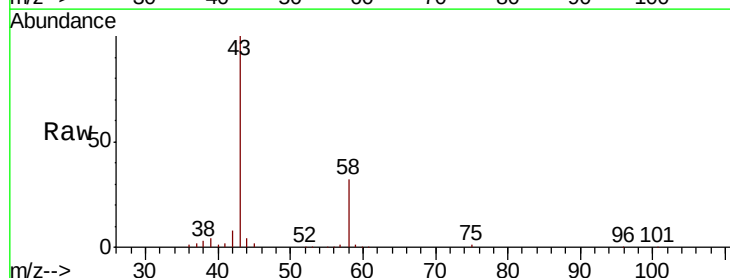
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

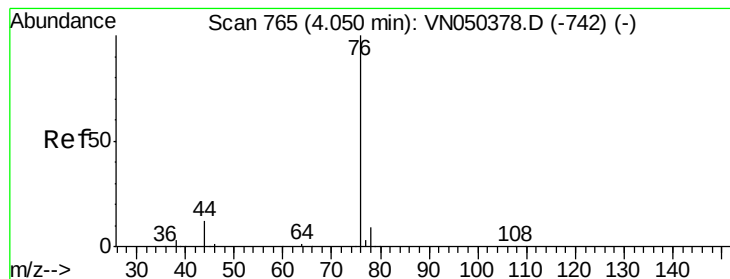
Tot Ion	53	Resp	307107
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	35.3	29.3	43.9



#16
 Acetone
 Concen: 102.90 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	43	Resp	275368
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.8	38.8





#17

Carbon Disulfide

Concen: 18.73 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

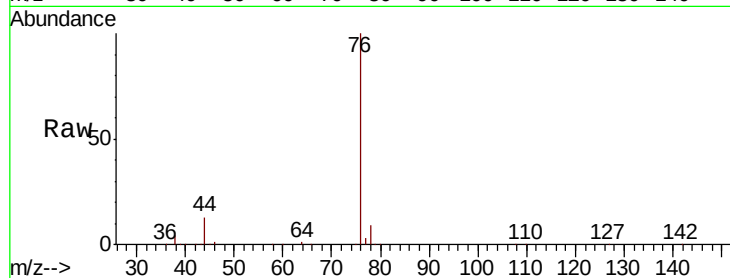
VN0806WBS01

Tot Ion: 76 Resp: 441214

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

150000

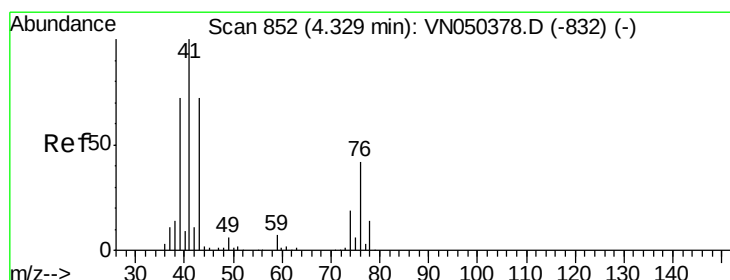
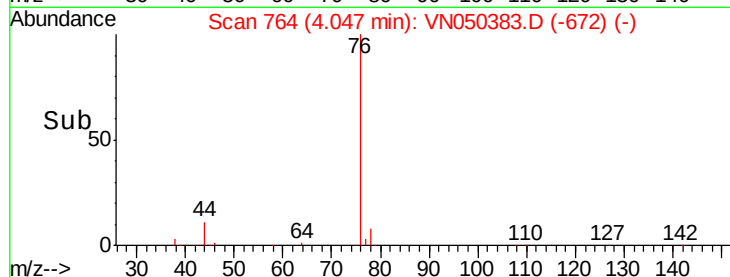
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 20.88 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050383.D

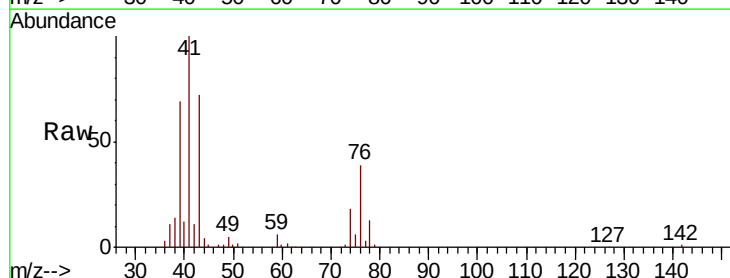
Acq: 6 Aug 2018 15:01

Tgt Ion: 43 Resp: 145685

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

30000

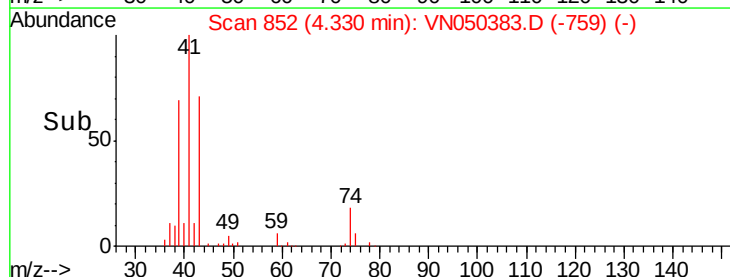
20000

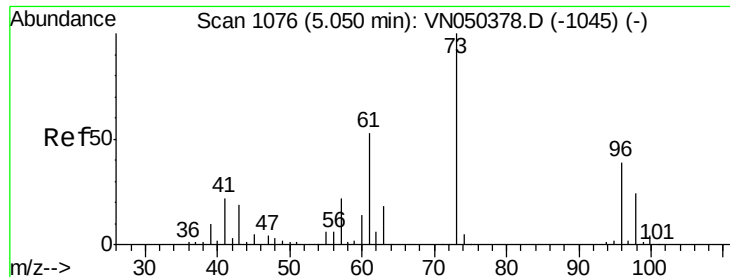
10000

0

Time-->

4.20 4.30 4.40





#19

Methvl tert-butvl Ether

Concen: 20.82 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

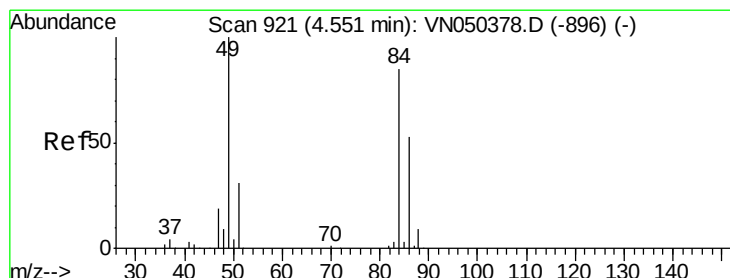
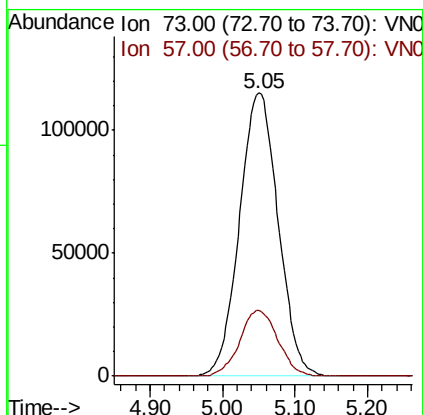
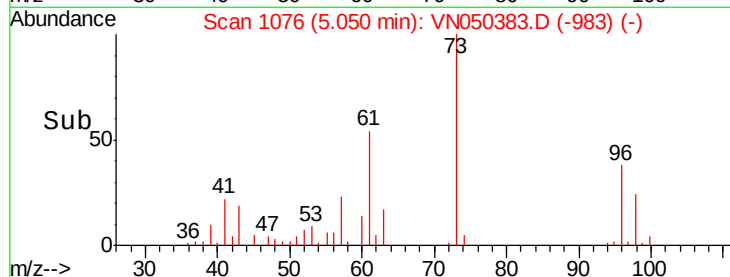
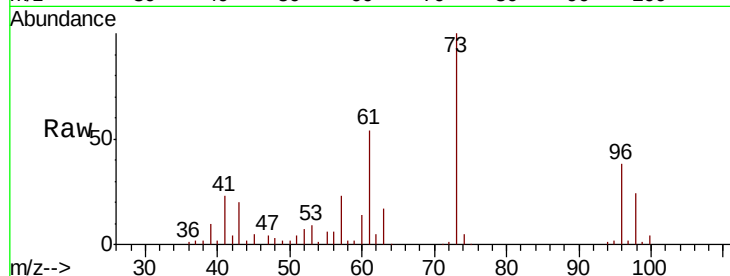
VN0806WBS01

Tot Ion: 73 Resp: 428121

Ion Ratio Lower Upper

73 100

57 23.1 18.0 27.0



#20

Methylene Chloride

Concen: 20.56 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion: 84 Resp: 175373

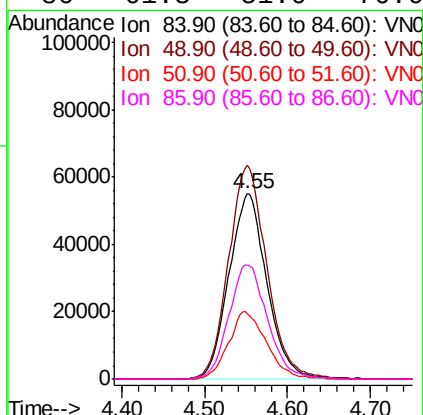
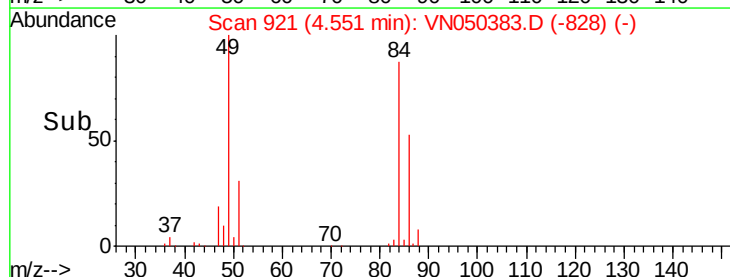
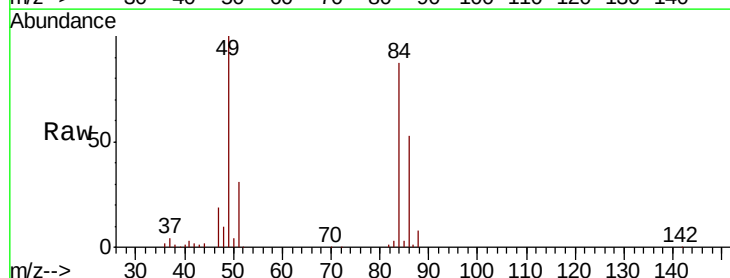
Ion Ratio Lower Upper

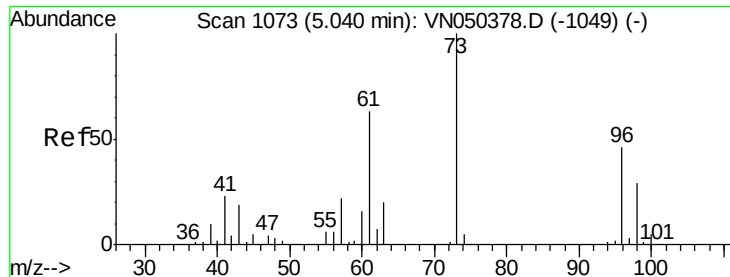
84 100

49 115.3 94.8 142.2

51 35.6 28.3 42.5

86 61.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.83 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

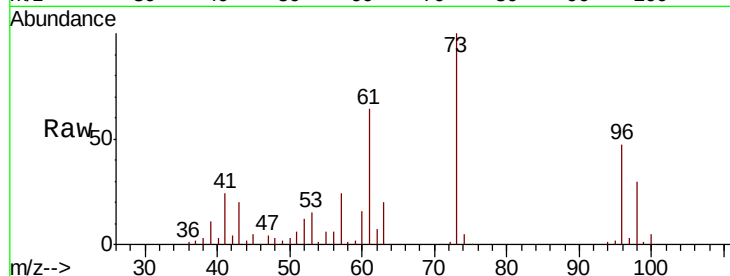
Tot Ion: 96 Resp: 155487

Ion Ratio Lower Upper

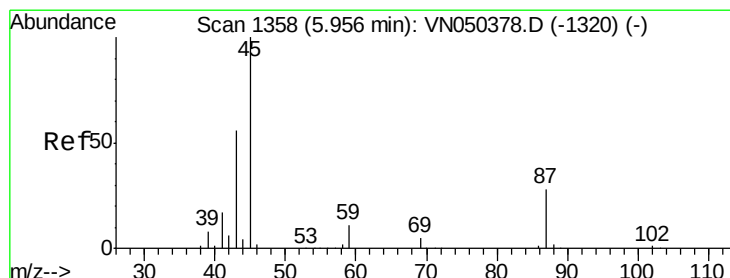
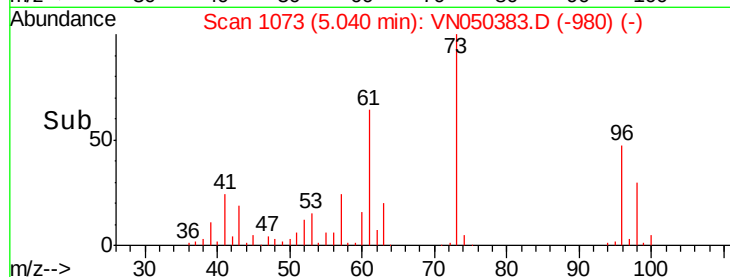
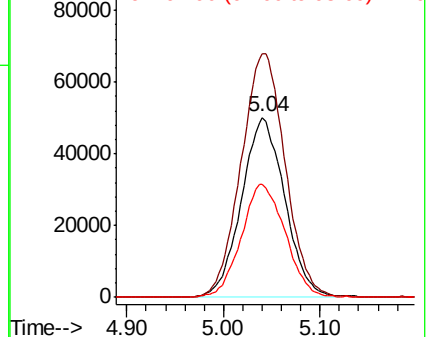
96 100

61 135.2 110.7 166.1

98 63.0 51.6 77.4



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



#22

Diisopropyl ether

Concen: 21.13 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion: 45 Resp: 502265

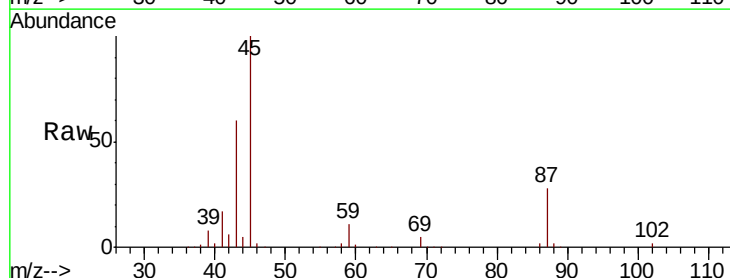
Ion Ratio Lower Upper

45 100

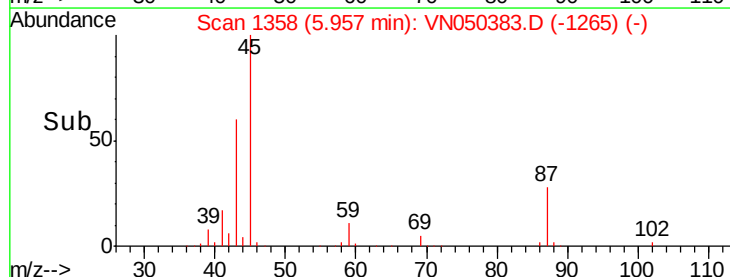
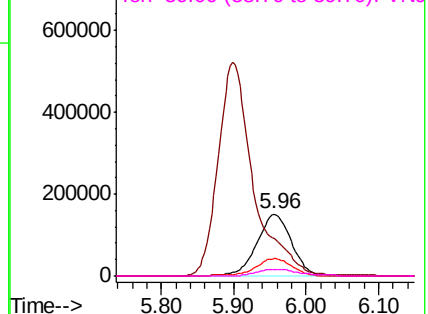
43 58.1 45.7 68.5

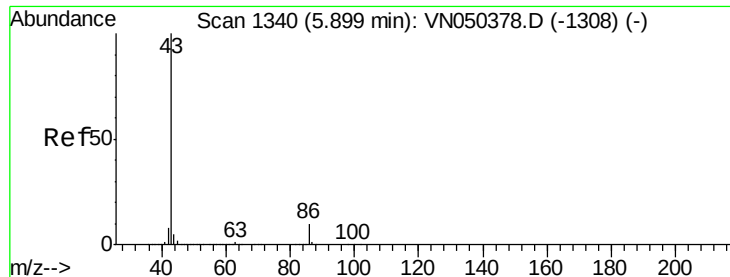
87 28.1 22.7 34.1

59 11.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.60 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

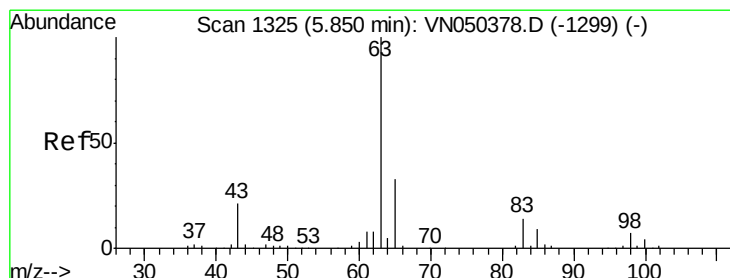
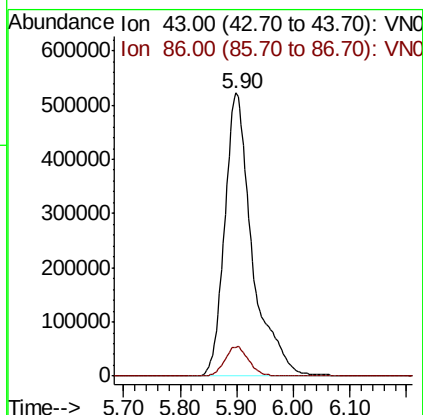
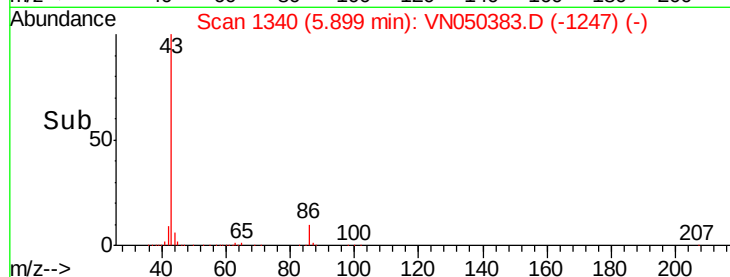
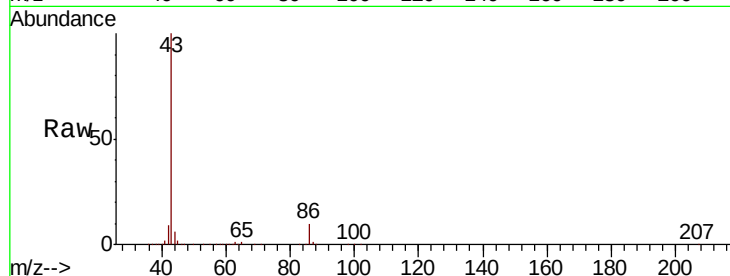
VN0806WBS01

Tot Ion: 43 Resp: 1773994

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.33 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

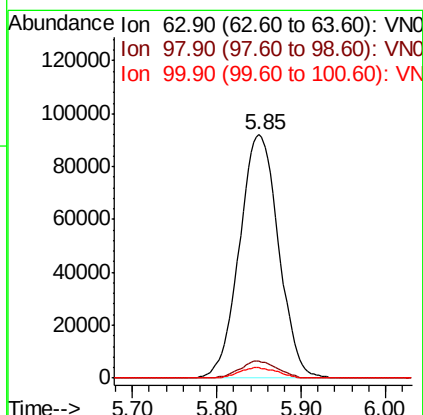
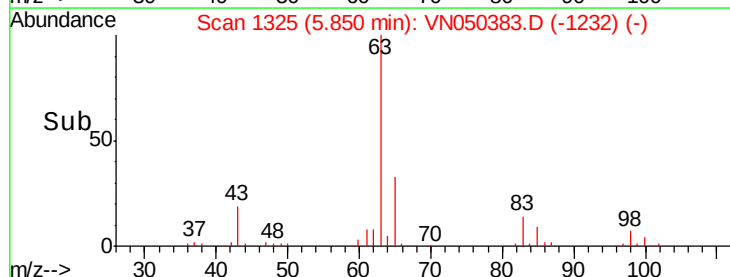
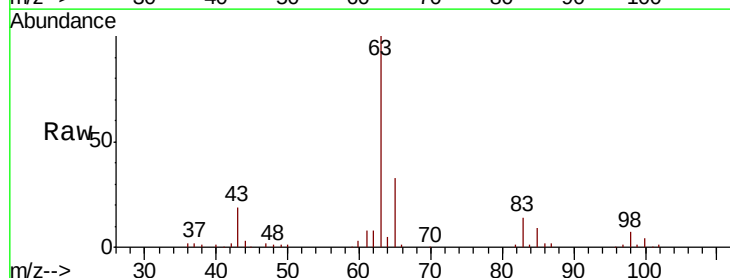
Tgt Ion: 63 Resp: 296572

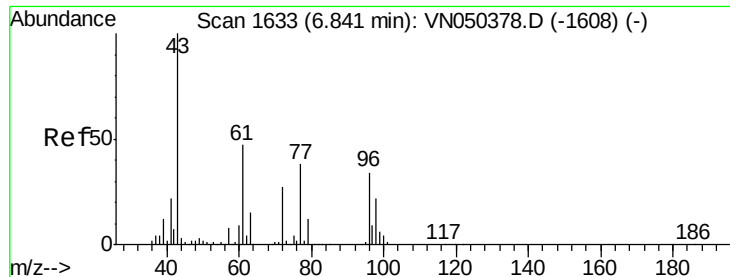
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 103.01 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

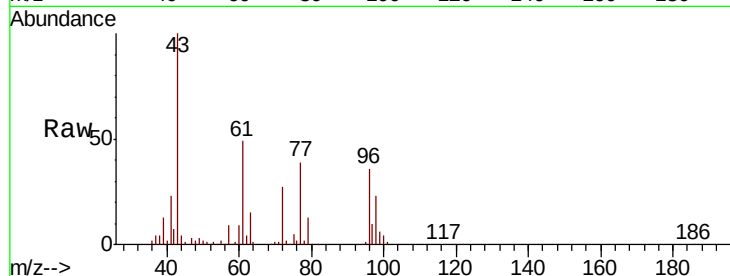
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 43 Resp: 457084

Ion Ratio Lower Upper

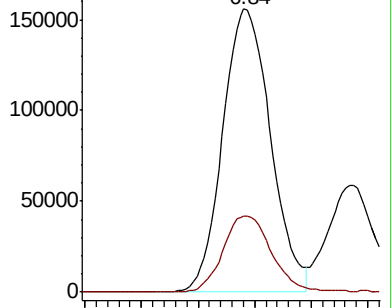
43 100

72 26.7 21.5 32.3

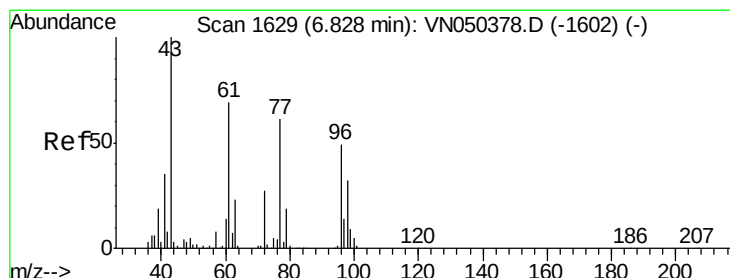
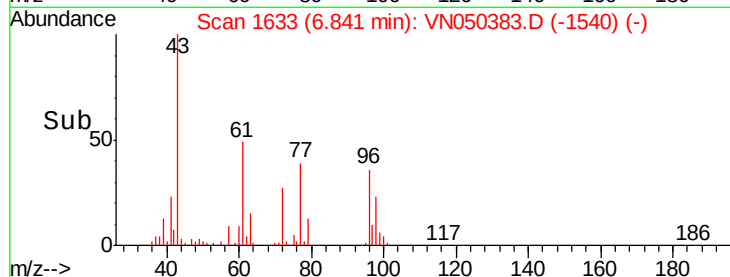


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 20.14 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050383.D

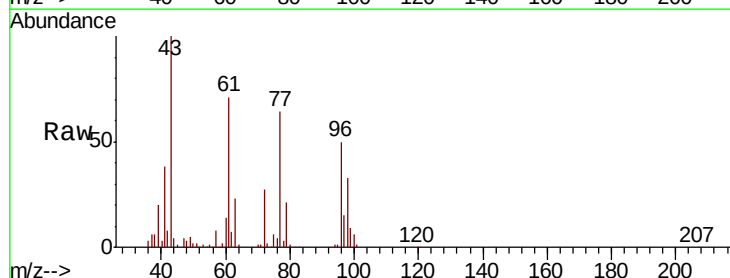
Acq: 6 Aug 2018 15:01

Tgt Ion: 77 Resp: 242226

Ion Ratio Lower Upper

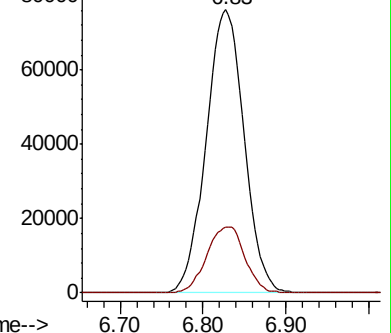
77 100

97 23.5 11.8 35.3

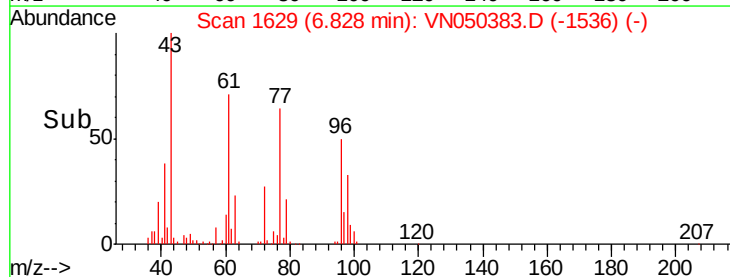


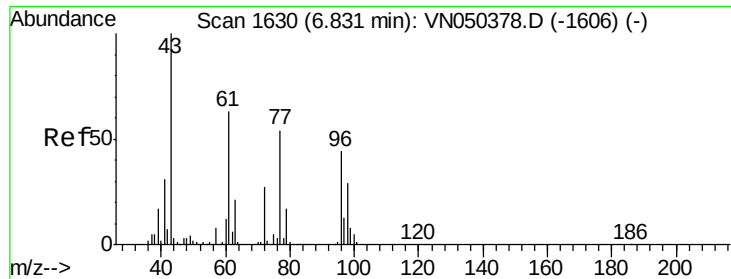
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

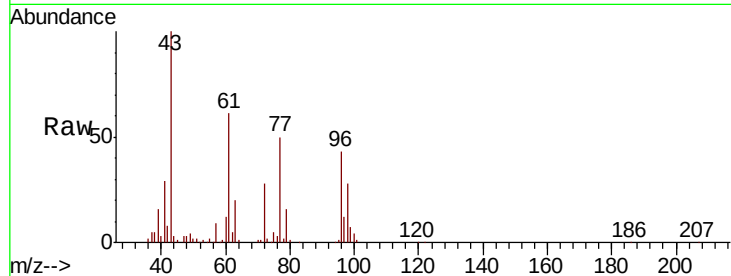
Tot Ion: 96 Resp: 179114

Ion Ratio Lower Upper

96 100

61 140.8 0.0 285.0

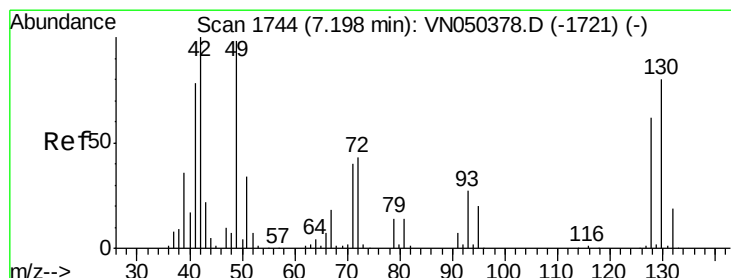
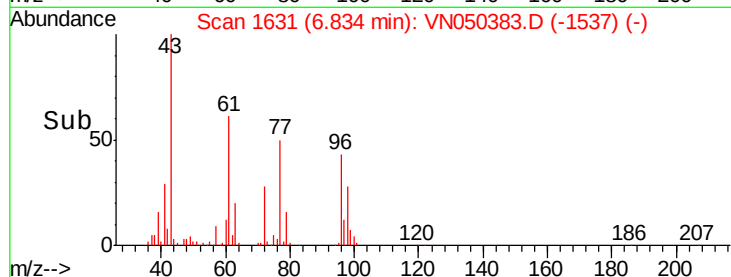
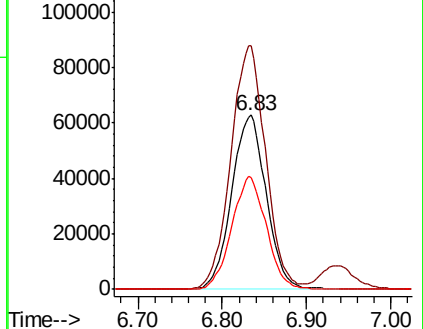
98 64.6 0.0 129.2



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: 20.09 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

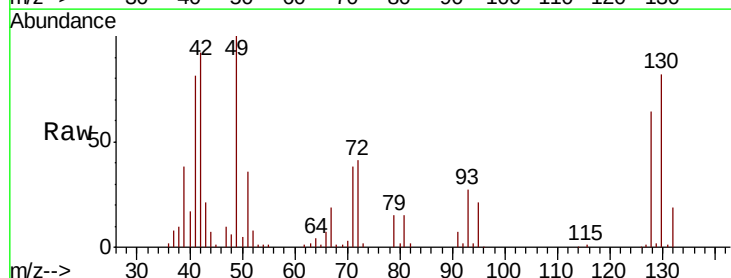
Tgt Ion: 49 Resp: 134863

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

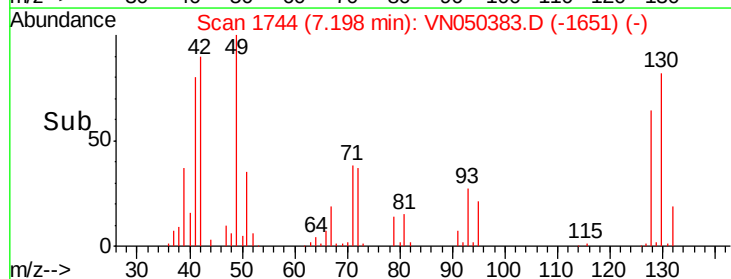
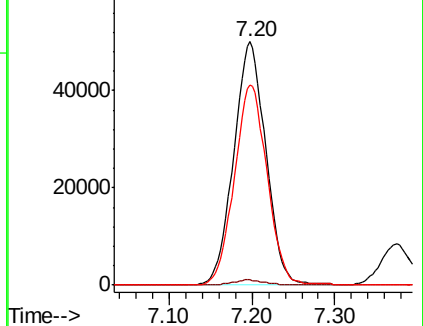
130 83.8 66.3 99.5

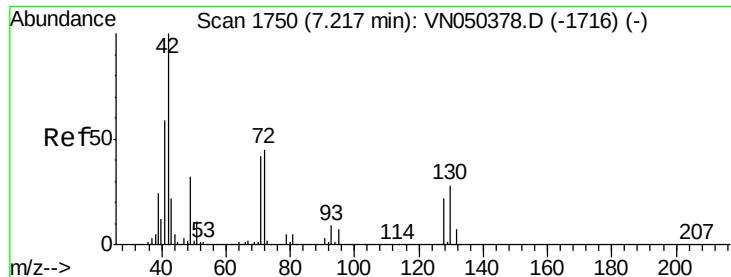


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

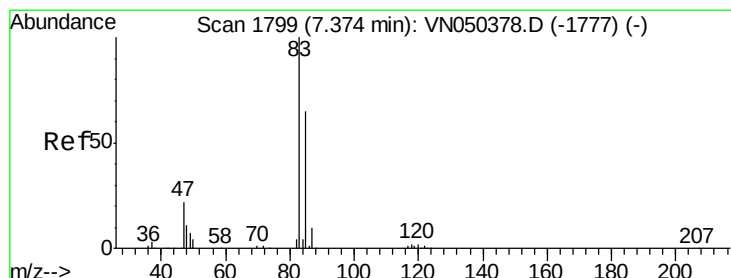
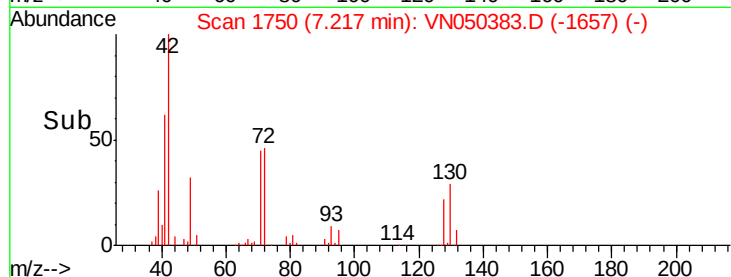
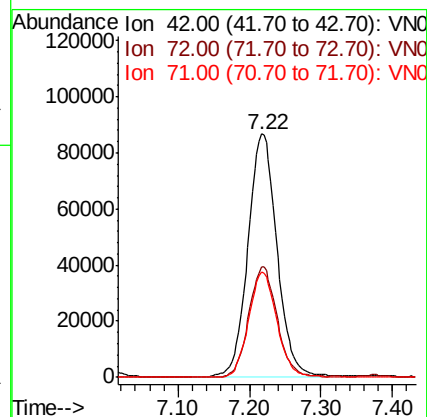
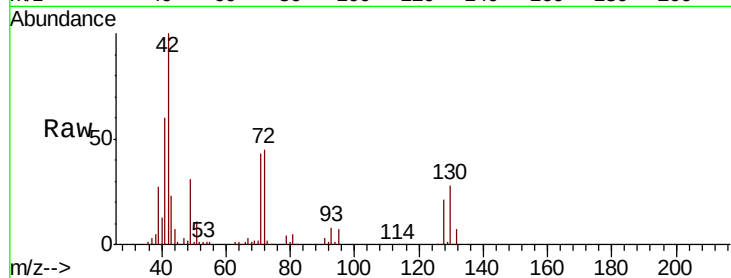




#29
Tetrahydrofuran
Concen: 104.14 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

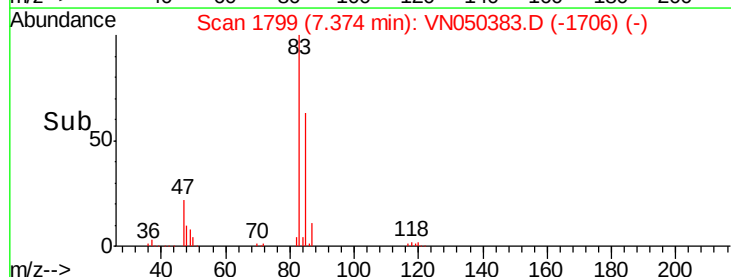
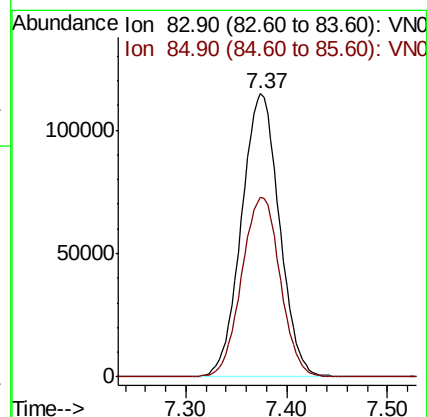
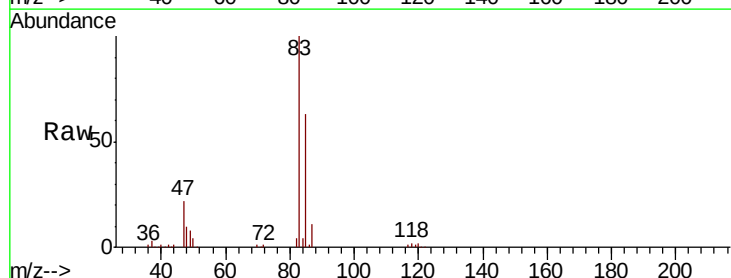
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

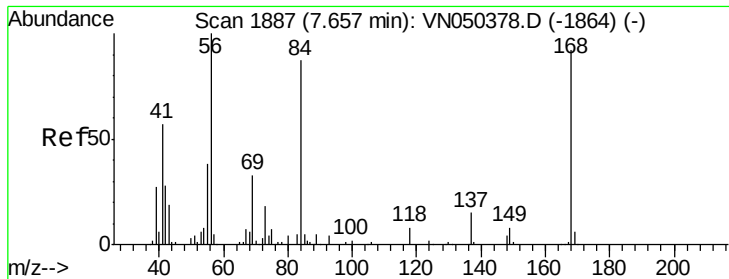
Tot Ion: 42 Resp: 247337
Ion Ratio Lower Upper
42 100
72 43.9 35.9 53.9
71 41.8 33.7 50.5



#30
Chloroform
Concen: 20.49 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 83 Resp: 298734
Ion Ratio Lower Upper
83 100
85 63.3 52.5 78.7

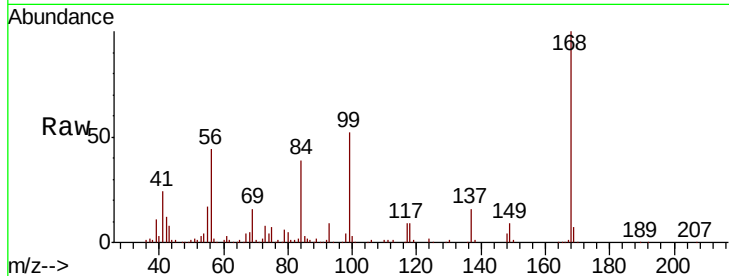




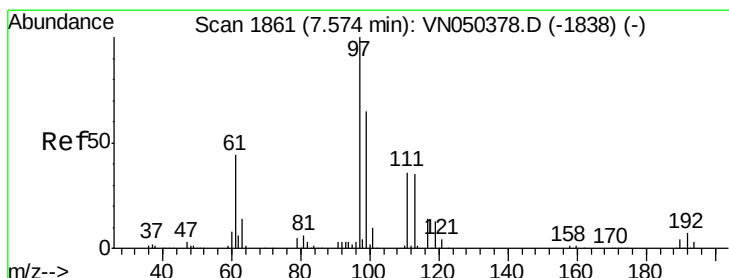
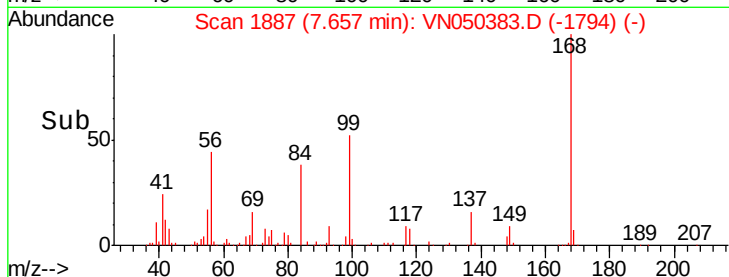
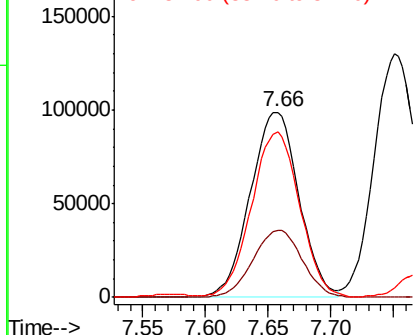
#31
Cyclohexane
Concen: 20.35 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 56 Resp: 266084
Ion Ratio Lower Upper
56 100
69 36.4 26.2 39.4
84 87.8 67.4 101.0

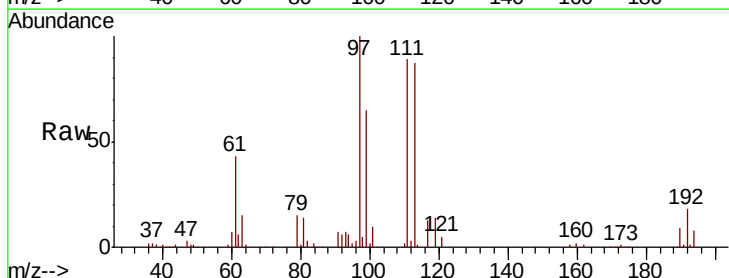


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

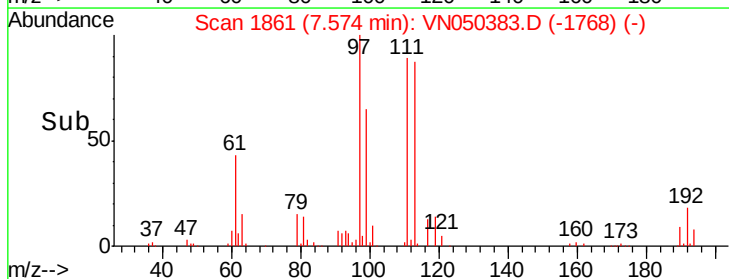
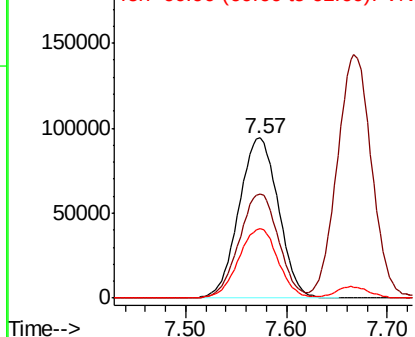


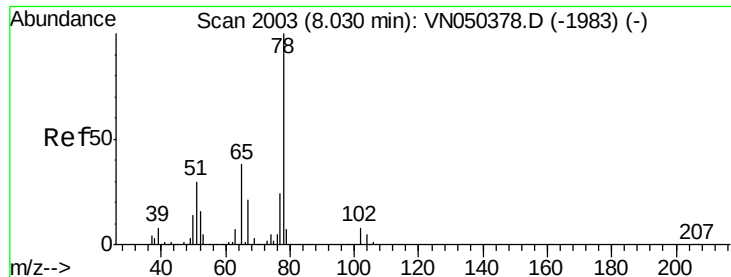
#32
1,1,1-Trichloroethane
Concen: 20.47 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 97 Resp: 256347
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 43.2 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

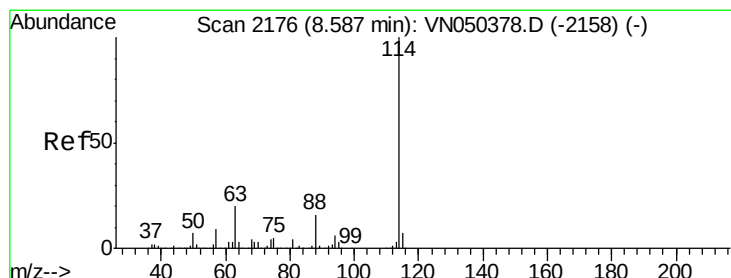
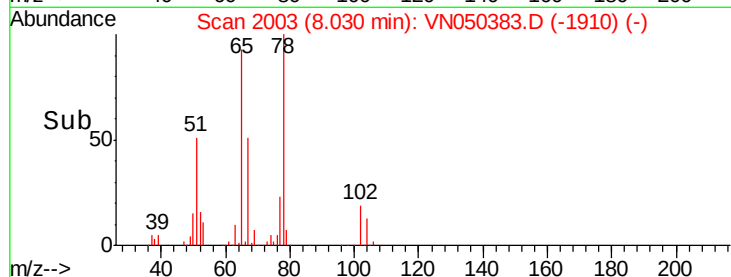
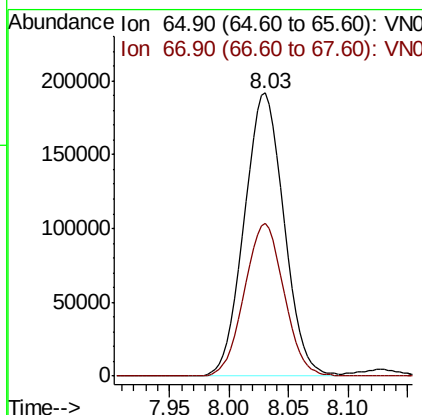
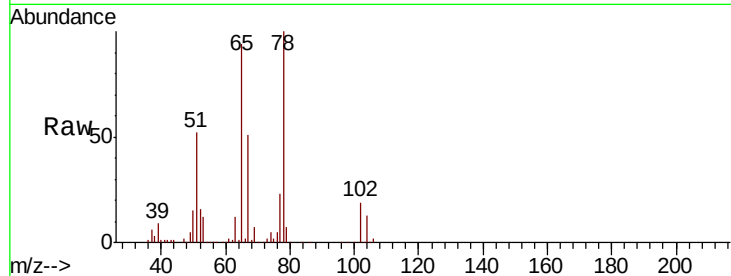




#33
 1,2-Dichloroethane-d4
 Concen: 49.59 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

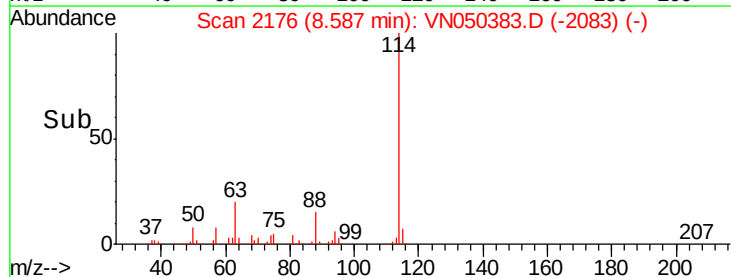
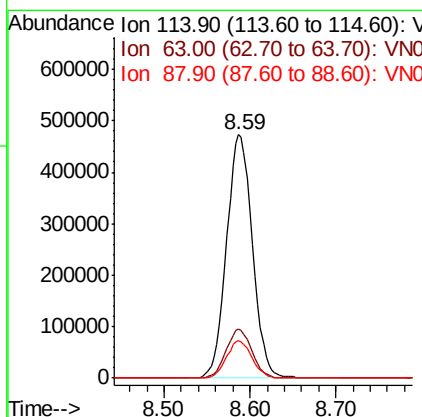
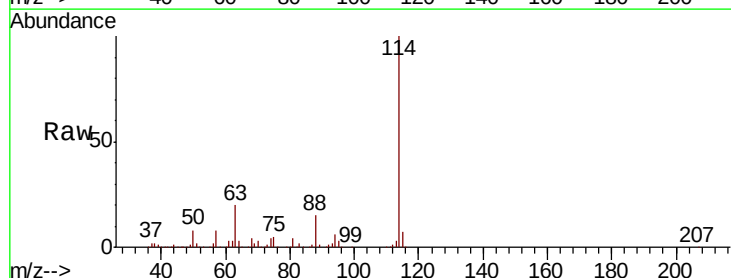
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

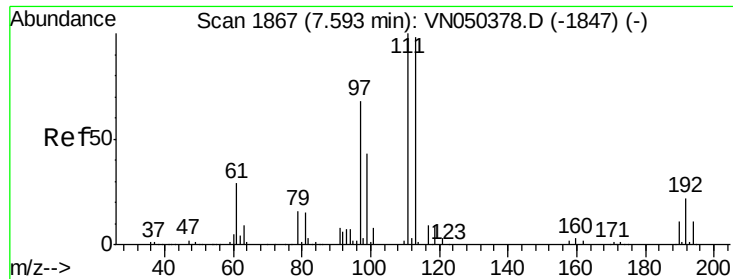
Tot Ion: 65 Resp: 444089
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 114 Resp: 986130
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.4 0.0 31.2

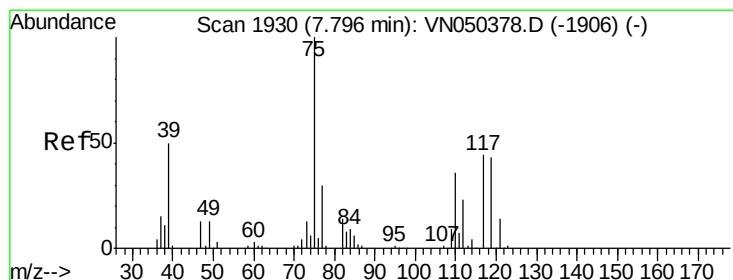
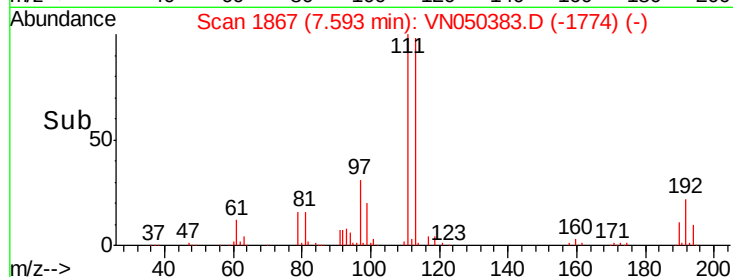
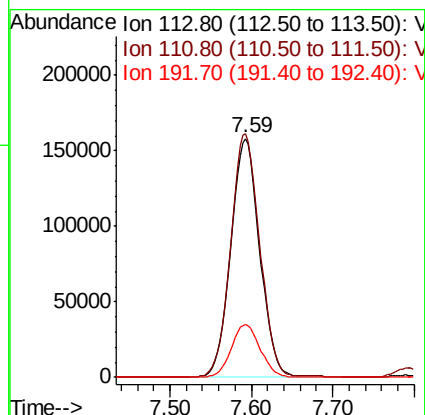
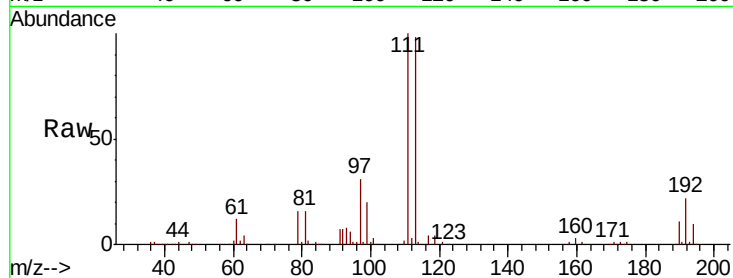




#35
 Dibromofluoromethane
 Concen: 49.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

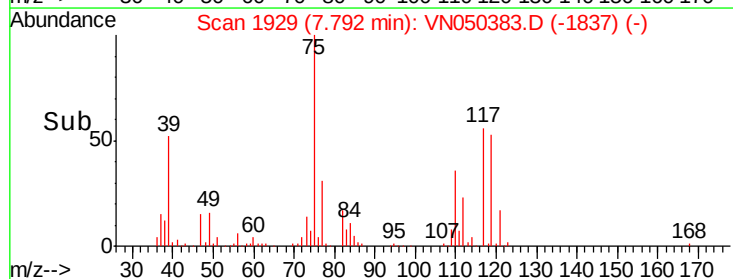
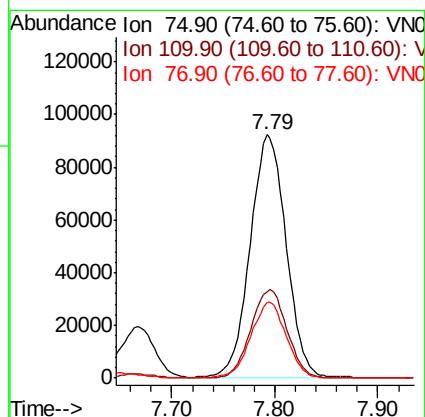
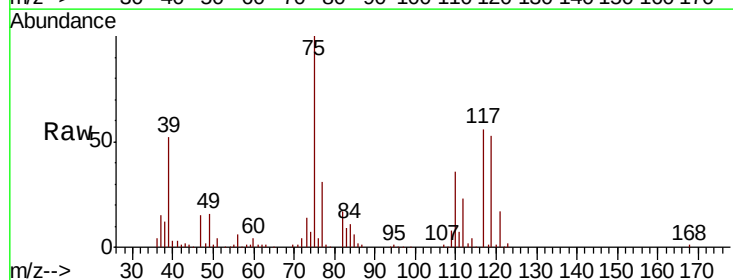
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

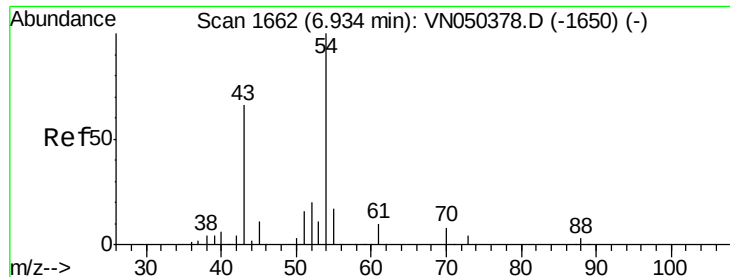
Tot Ion:113 Resp: 392707
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.50 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 75 Resp: 222088
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.4 55.2
 77 30.1 25.3 37.9

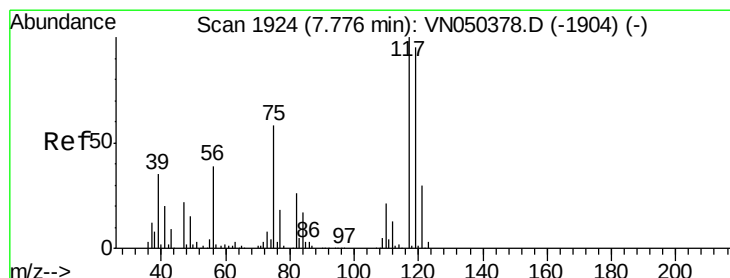
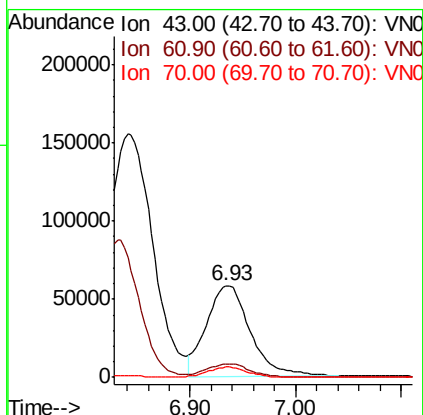
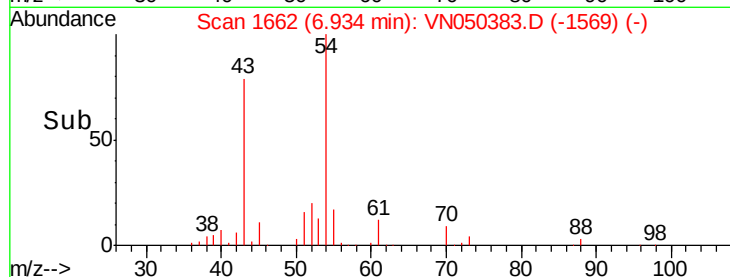
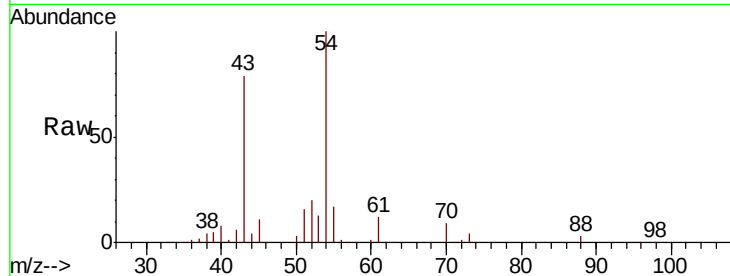




#37
Ethyl Acetate
Concen: 21.45 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

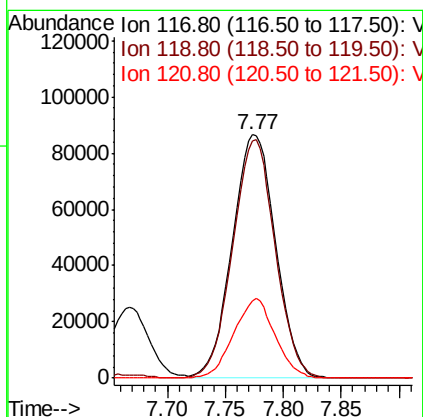
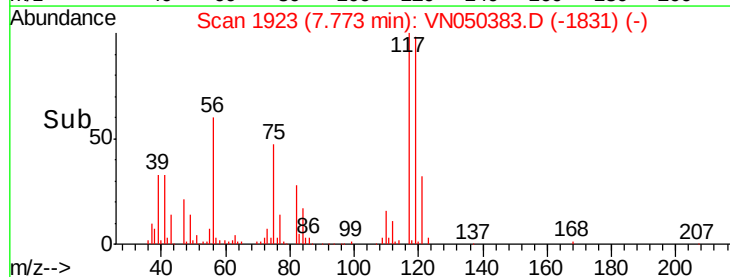
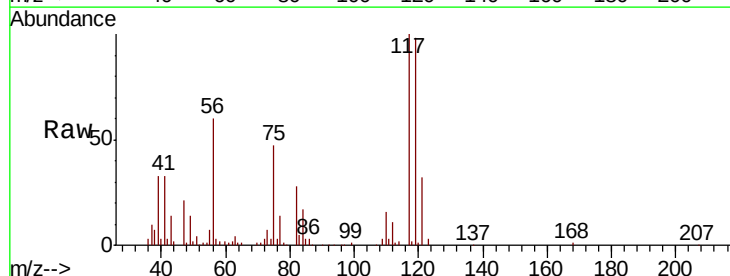
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

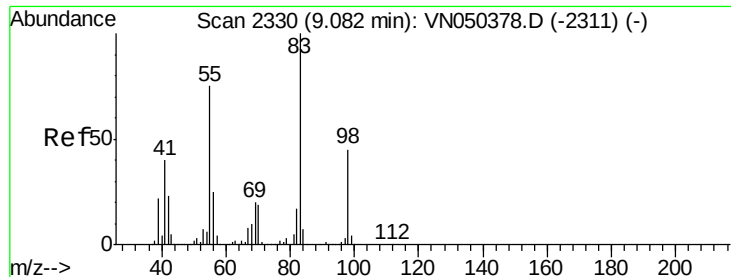
Tot Ion: 43 Resp: 167346
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.94 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 117 Resp: 225377
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0
121 31.9 23.9 35.9

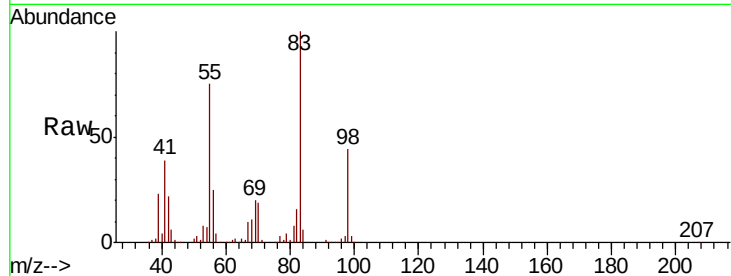




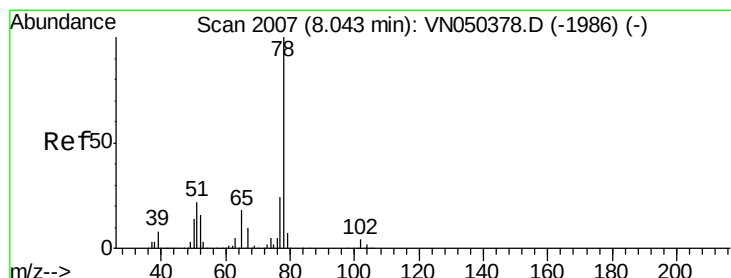
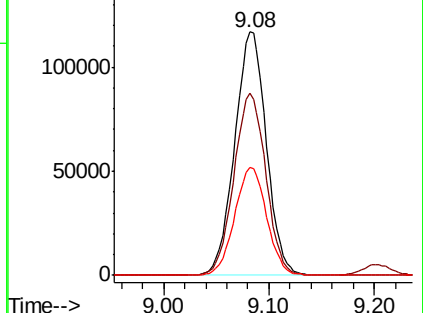
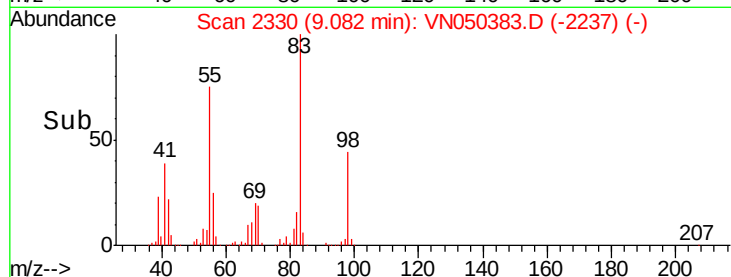
#39
Methylvlcyclohexane
Concen: 20.59 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

Tot Ion: 83 Resp: 243534
Ion Ratio Lower Upper
83 100
55 74.6 61.8 92.8
98 44.5 36.5 54.7

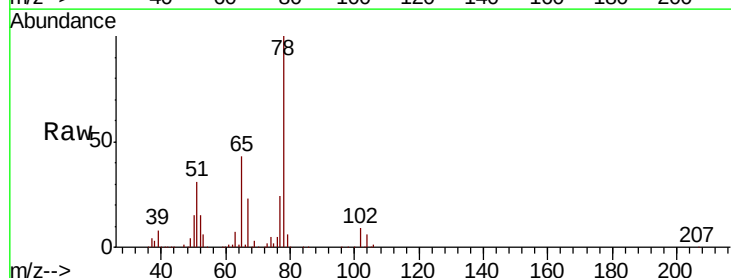


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

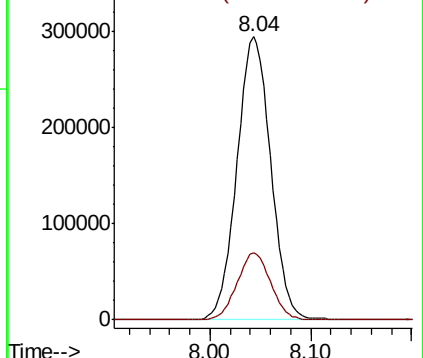
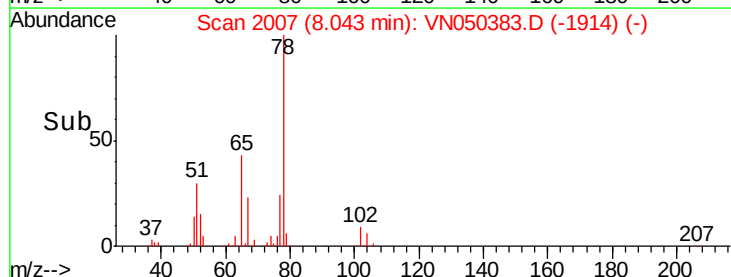


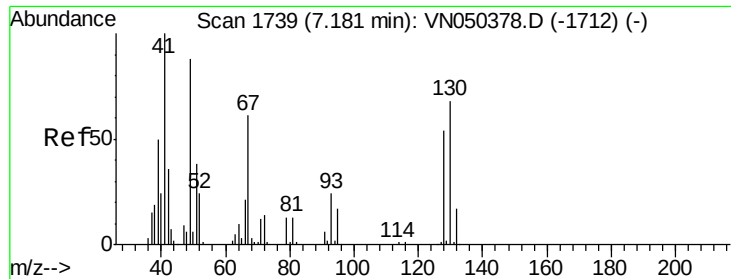
#40
Benzene
Concen: 20.58 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 78 Resp: 685476
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

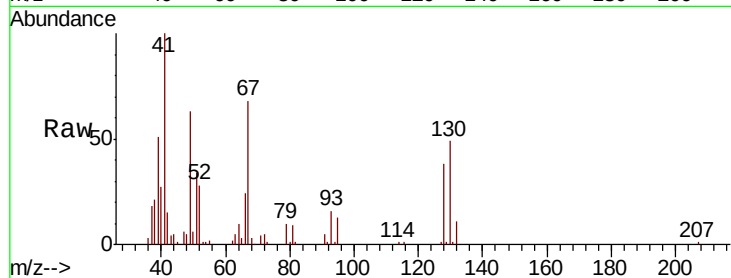




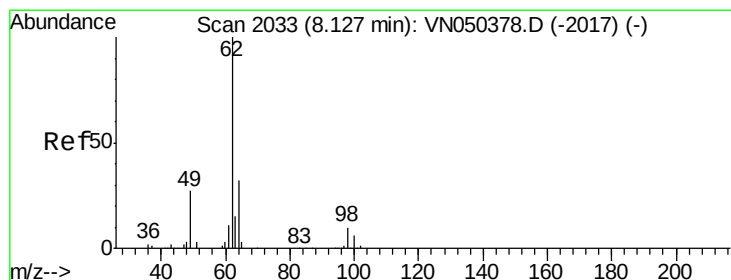
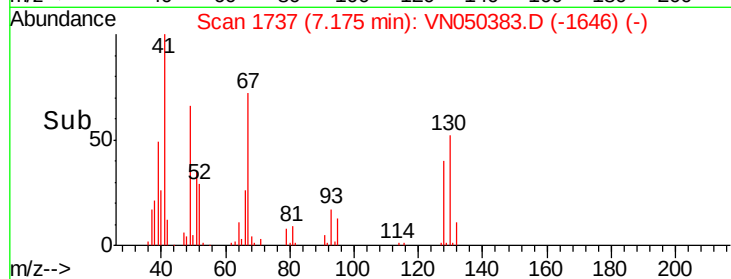
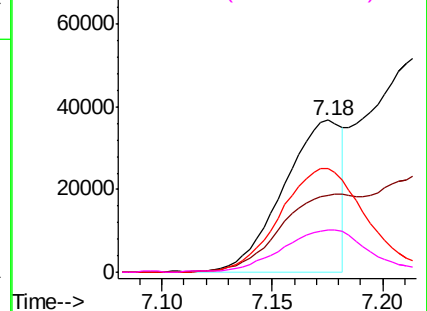
#41
Methacrylonitrile
Concen: 16.21 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

Tot Ion:	41	Resp:	67246
Ion	Ratio	Lower	Upper
41	100		
39	70.4	55.8	83.6
67	102.4	84.3	126.5
52	42.5	34.2	51.2

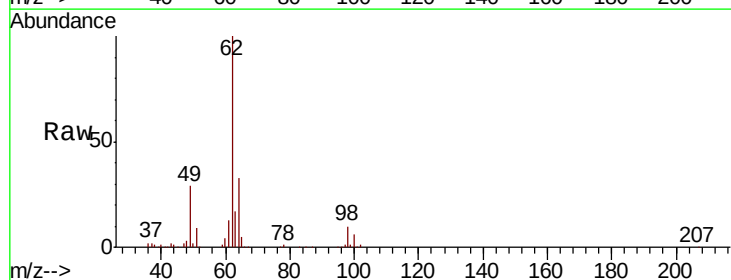


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

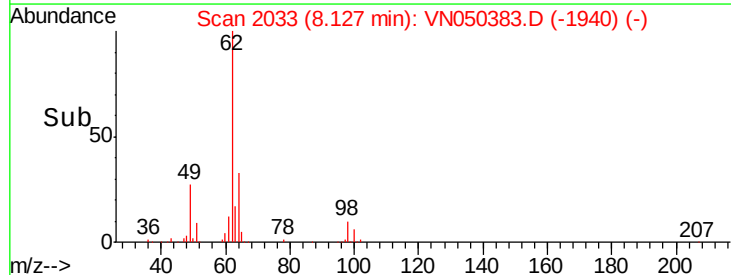
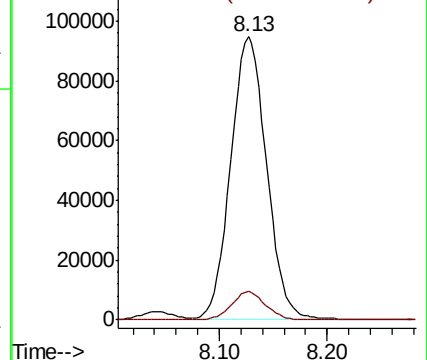


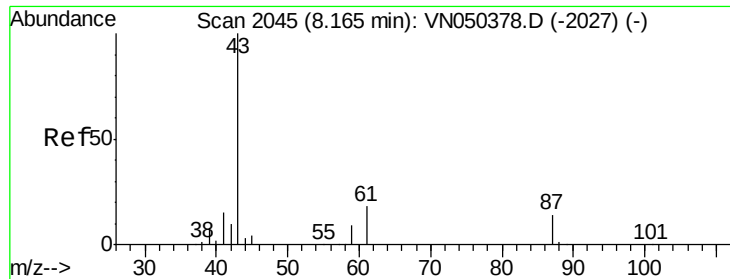
#42
1,2-Dichloroethane
Concen: 20.71 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion:	62	Resp:	219027
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.73 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

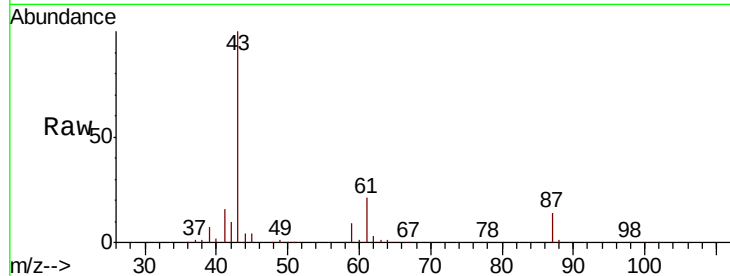
Tot Ion: 43 Resp: 279276

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.6

87 13.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

150000

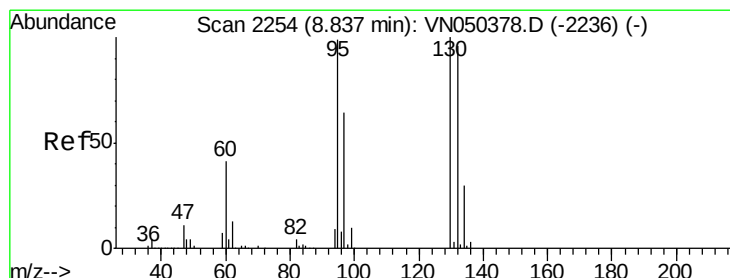
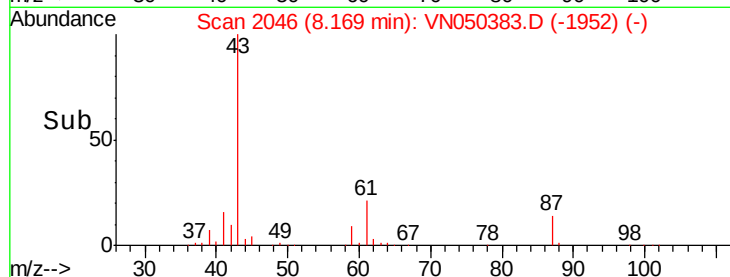
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.82 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050383.D

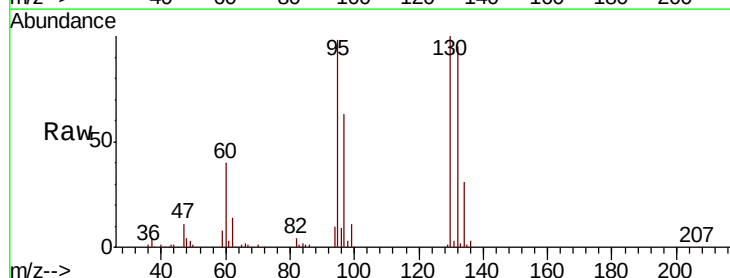
Acq: 6 Aug 2018 15:01

Tgt Ion:130 Resp: 177447

Ion Ratio Lower Upper

130 100

95 98.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

100000

80000

60000

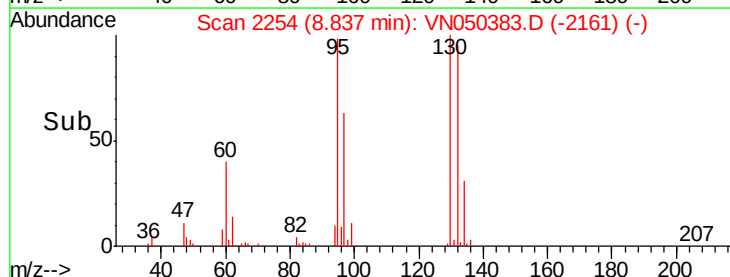
40000

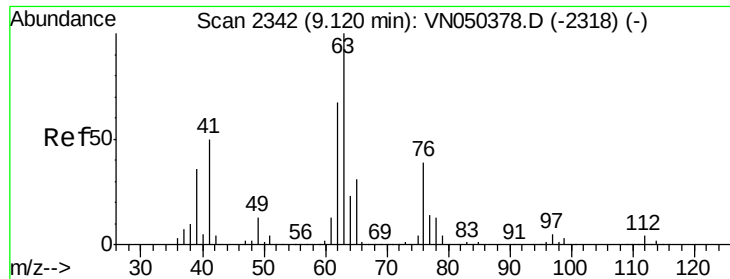
20000

0

8.80 8.90

Time-->

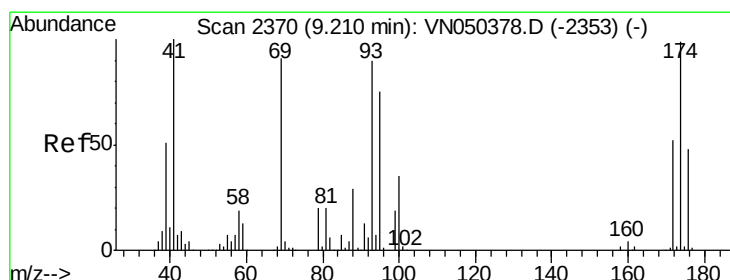
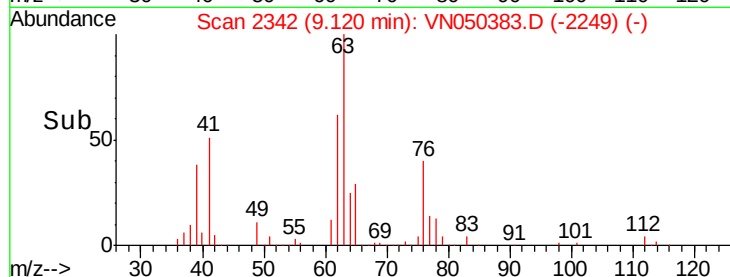
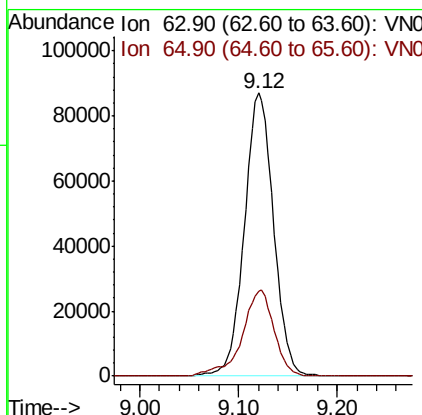
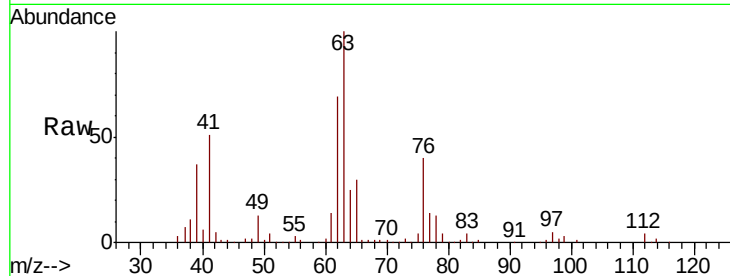




#45
 1,2-Dichloropropane
 Concen: 20.25 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

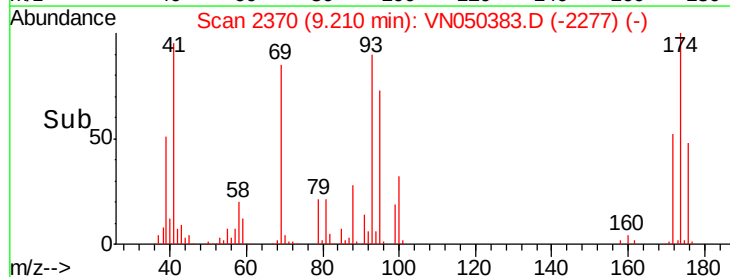
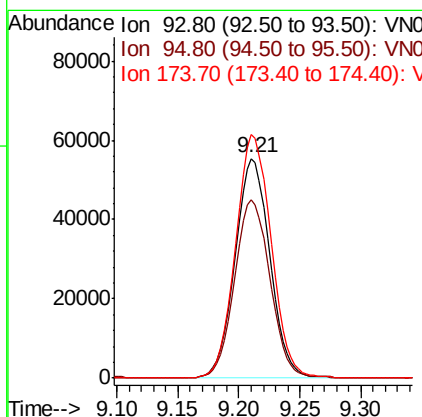
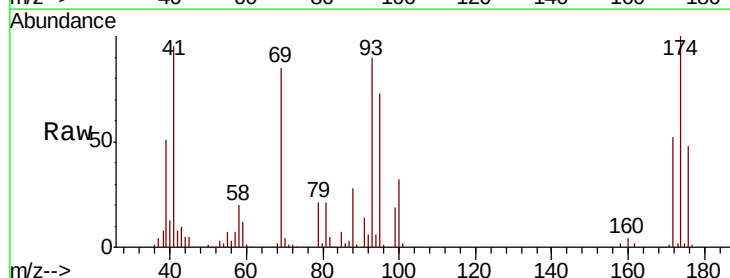
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

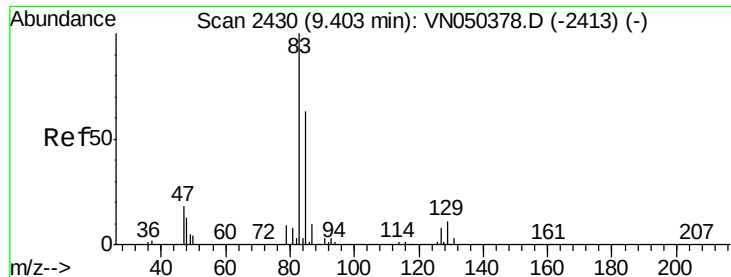
Tot Ion: 63 Resp: 177353
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.5 38.3



#46
 Dibromomethane
 Concen: 20.29 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 93 Resp: 109720
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 113.4 87.1 130.7





#47

Bromodichloromethane

Concen: 20.02 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

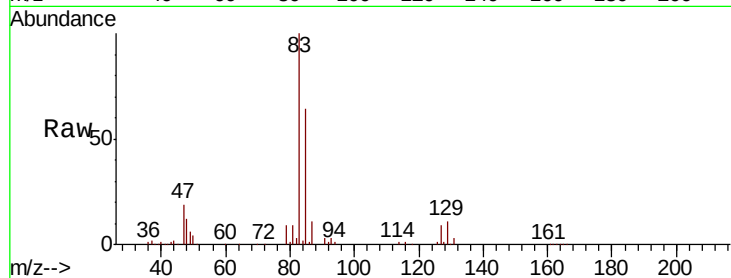
Tot Ion: 83 Resp: 224293

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

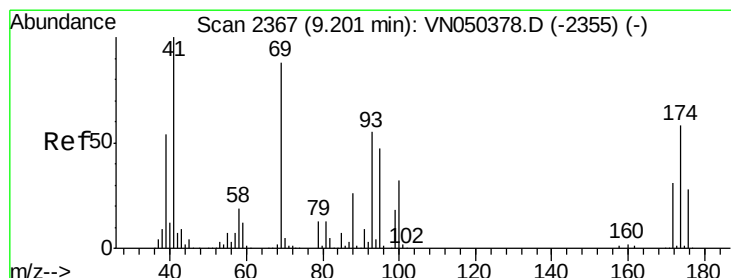
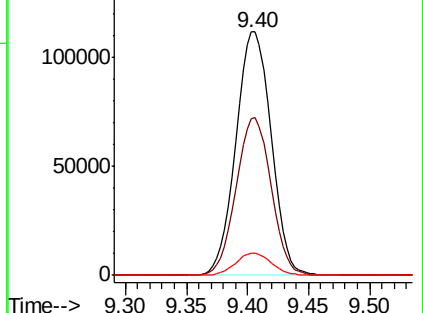
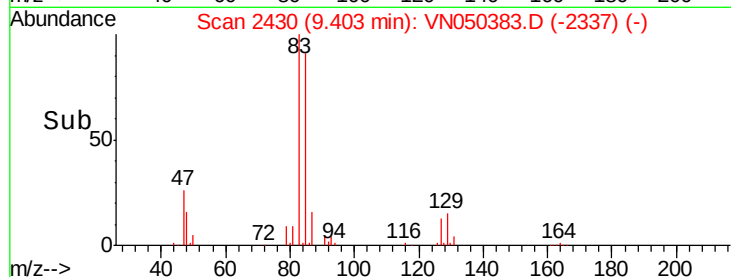
127 9.1 7.0 10.4



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): V



#48

Methyl methacrylate

Concen: 20.74 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

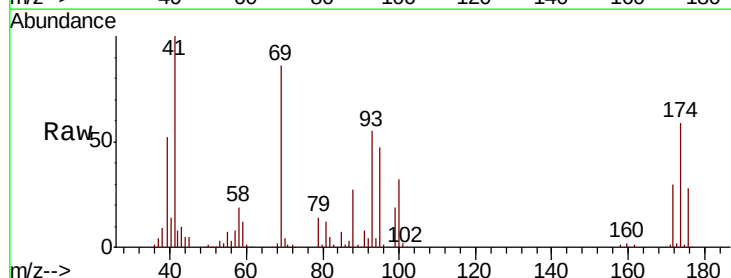
Tgt Ion: 41 Resp: 140033

Ion Ratio Lower Upper

41 100

69 88.2 70.6 105.8

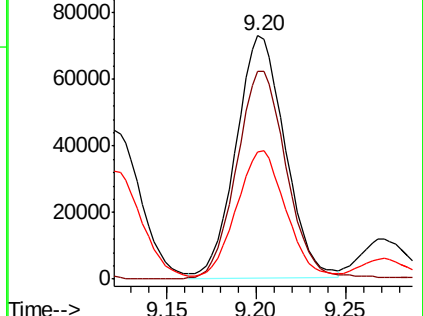
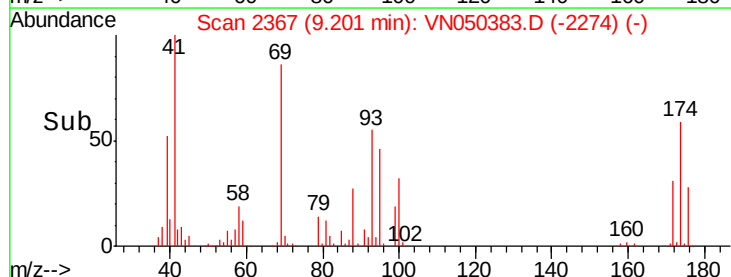
39 53.4 43.9 65.9

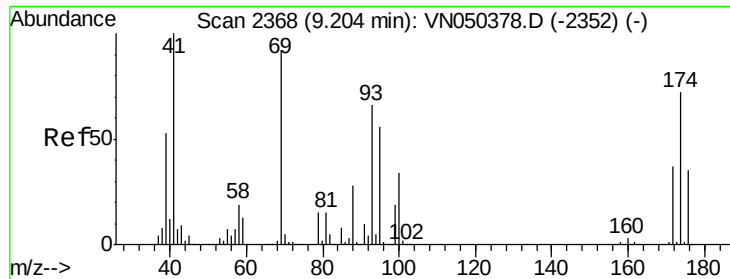


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

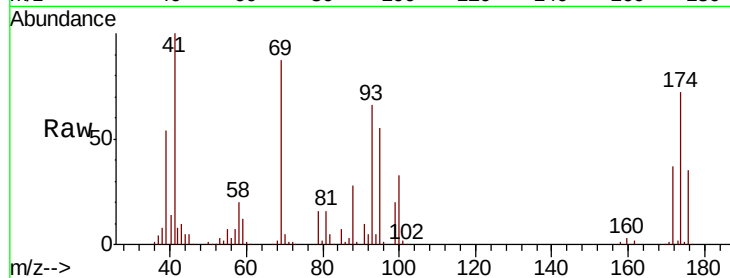




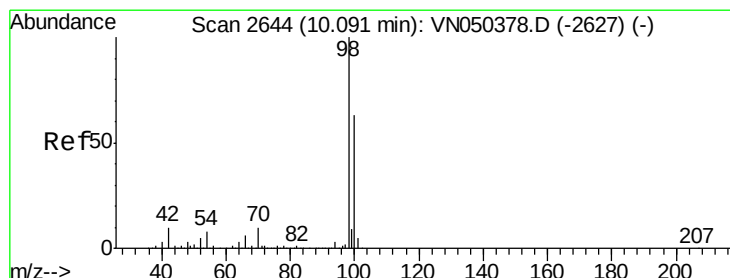
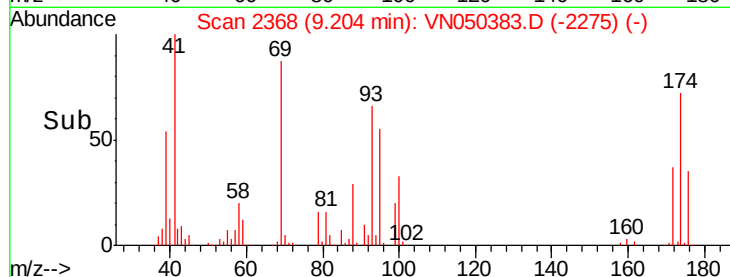
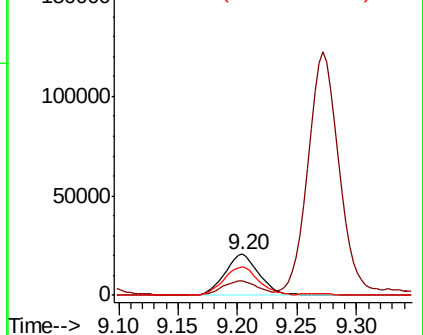
#49
 1,4-Dioxane
 Concen: 397.22 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

Tot Ion: 88 Resp: 41336
 Ion Ratio Lower Upper
 88 100
 43 34.0 26.9 40.3
 58 70.9 57.3 85.9

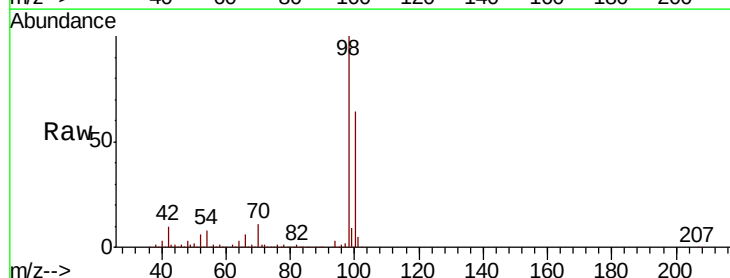


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

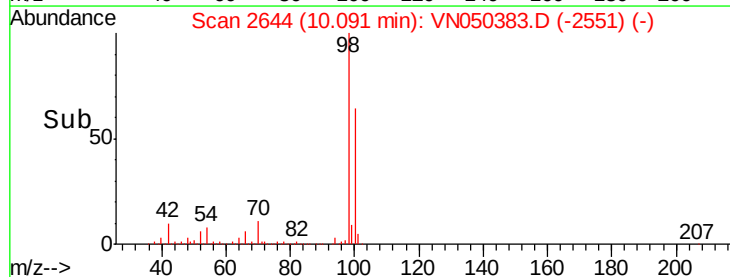
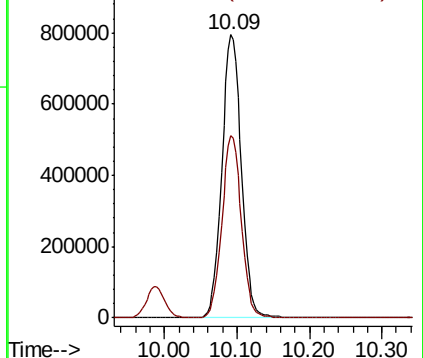


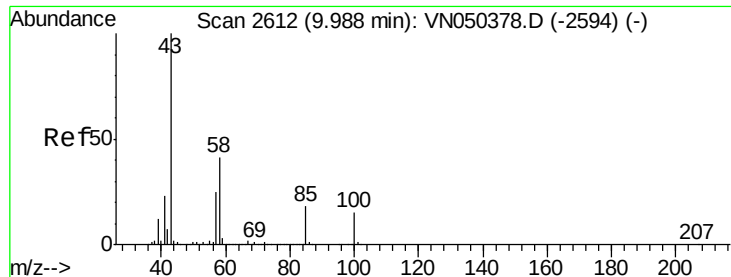
#50
 Toluene-d8
 Concen: 49.64 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 98 Resp: 1476690
 Ion Ratio Lower Upper
 98 100
 100 64.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.19 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

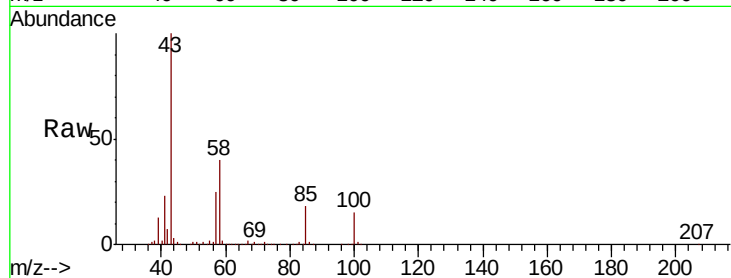
VN0806WBS01

Tot Ion: 43 Resp: 1030103

Ion Ratio Lower Upper

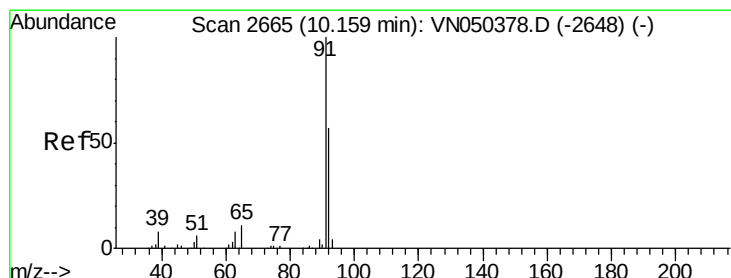
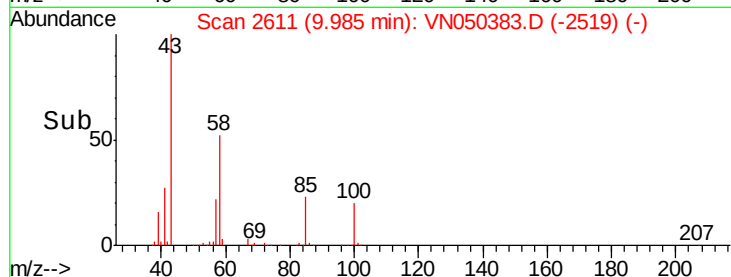
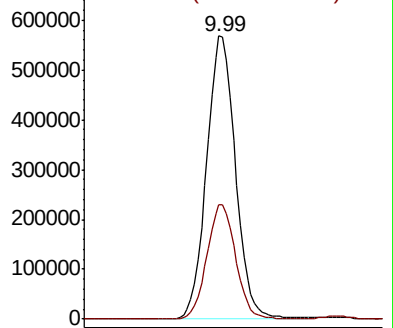
43 100

58 40.3 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050383.D

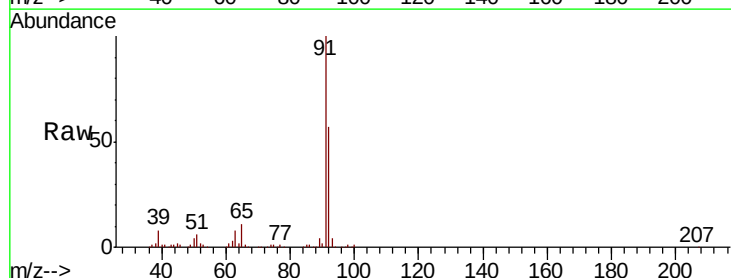
Acq: 6 Aug 2018 15:01

Tgt Ion: 92 Resp: 416985

Ion Ratio Lower Upper

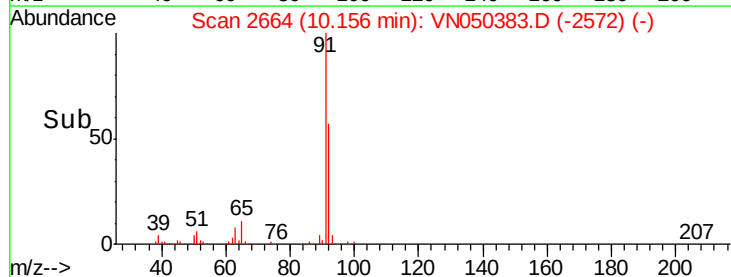
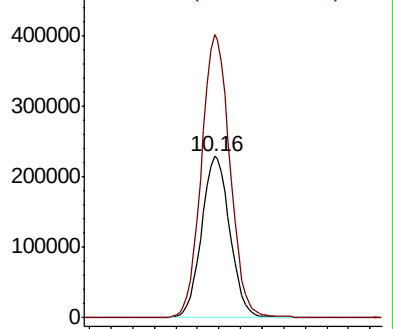
92 100

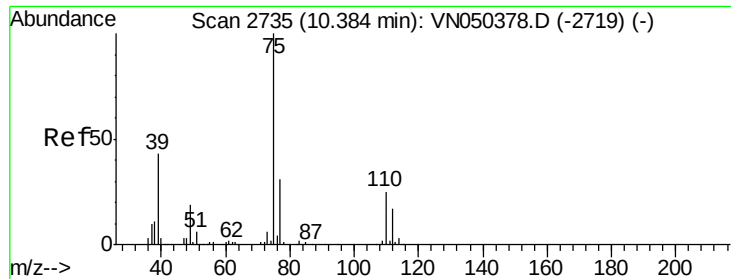
91 177.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.26 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

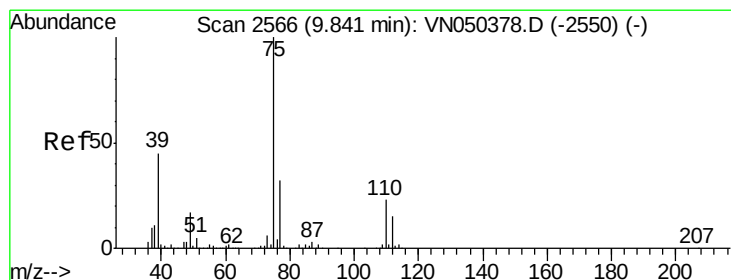
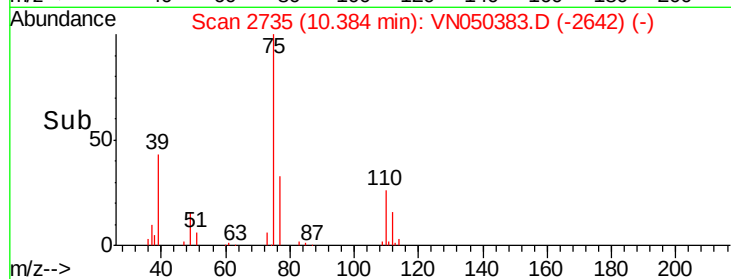
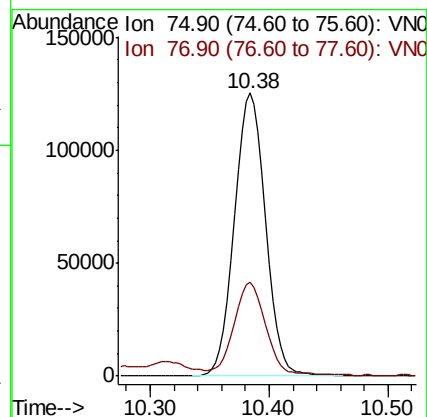
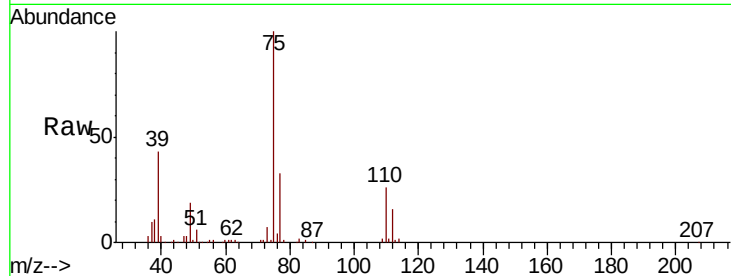
VN0806WBS01

Tot Ion: 75 Resp: 227919

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.74 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

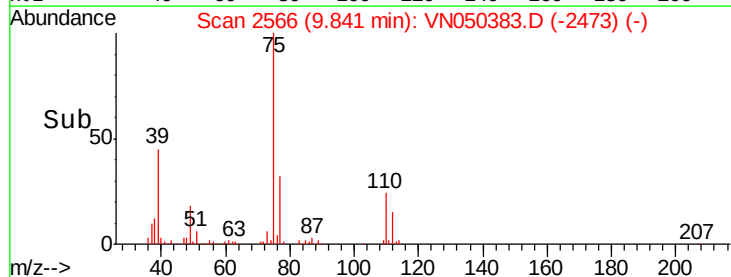
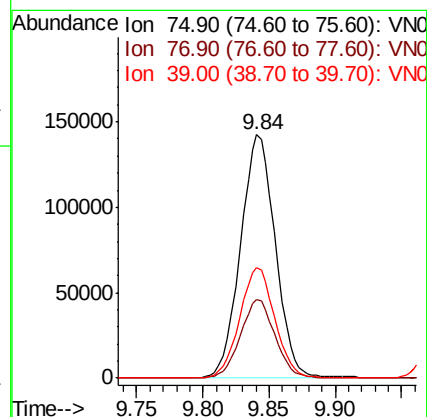
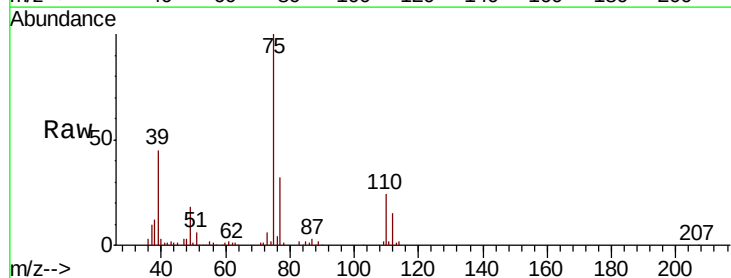
Tgt Ion: 75 Resp: 260286

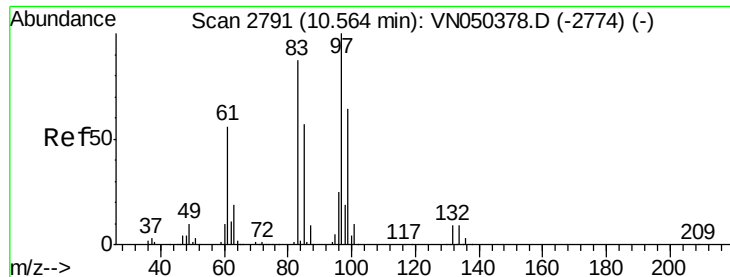
Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

39 45.3 36.6 55.0

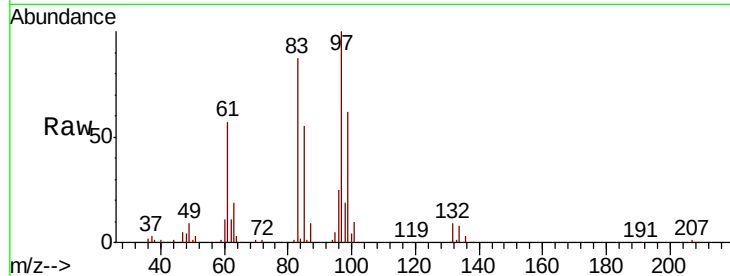




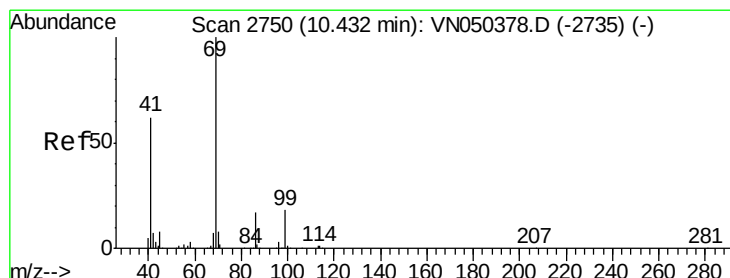
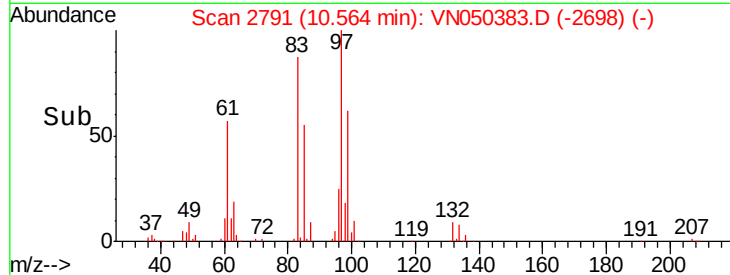
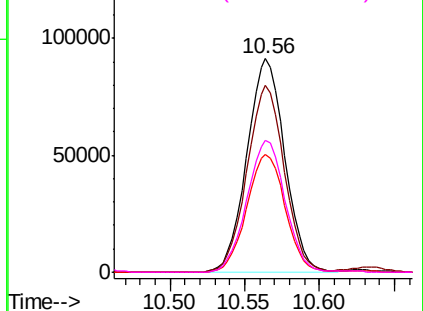
#55
 1,1,2-Trichloroethane
 Concen: 20.59 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion:	97	Resp:	160826
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.2	103.8
85	55.3	44.0	66.0
99	61.8	49.9	74.9

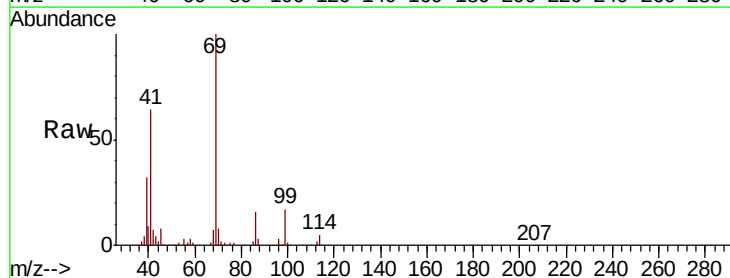


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

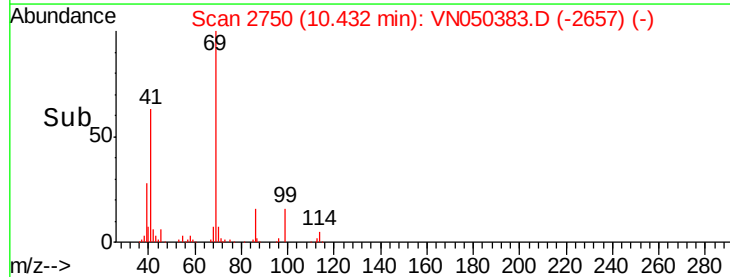
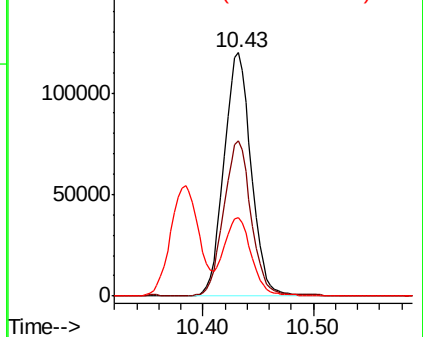


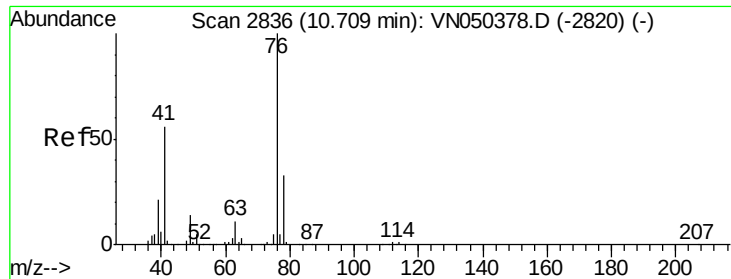
#56
 Ethyl methacrylate
 Concen: 19.67 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion:	69	Resp:	205549
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	32.6	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

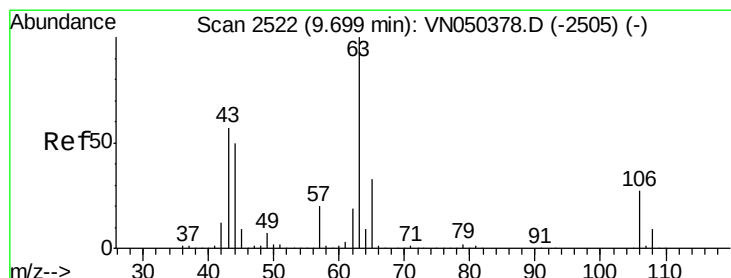
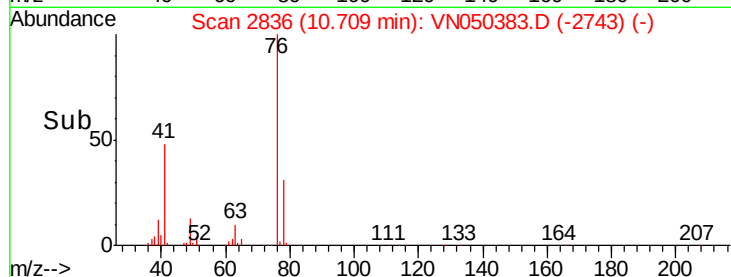
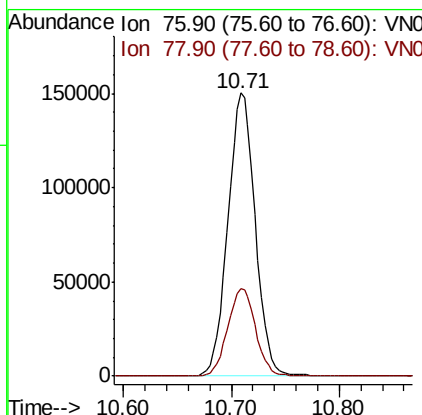
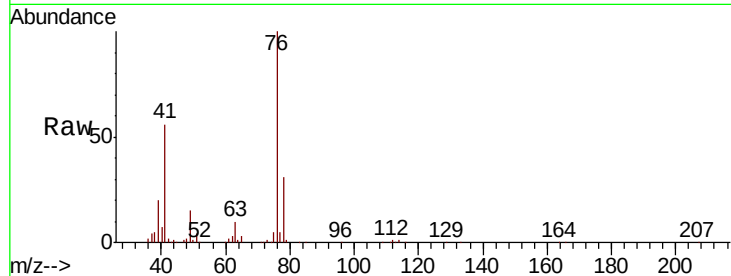




#57
 1,3-Dichloropropane
 Concen: 20.67 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

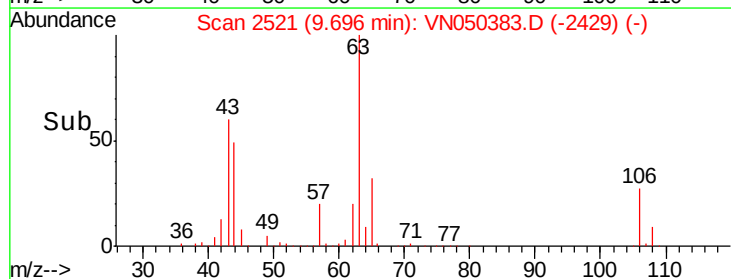
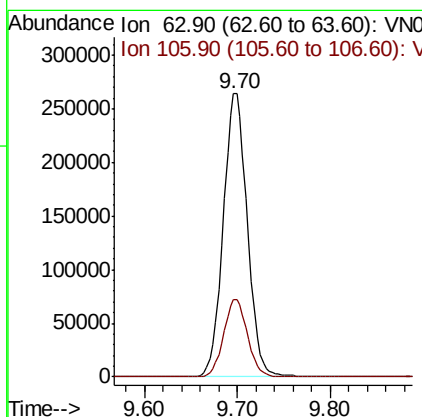
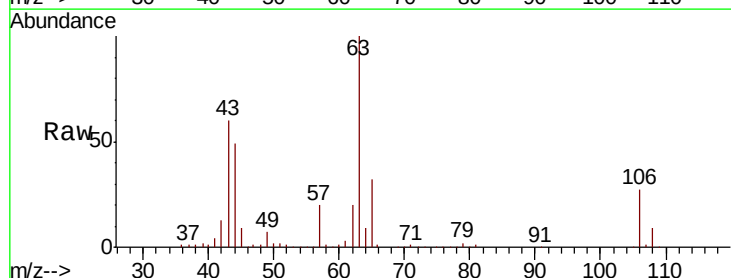
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

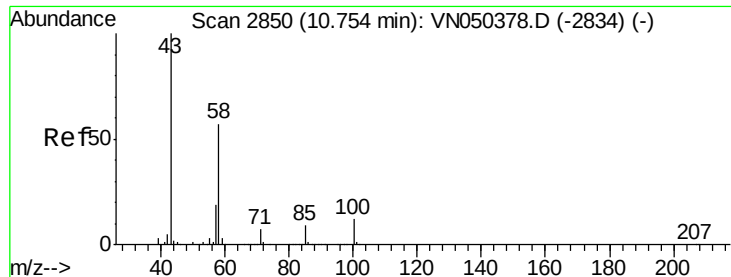
Tot Ion: 76 Resp: 265090
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.80 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 63 Resp: 474700
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

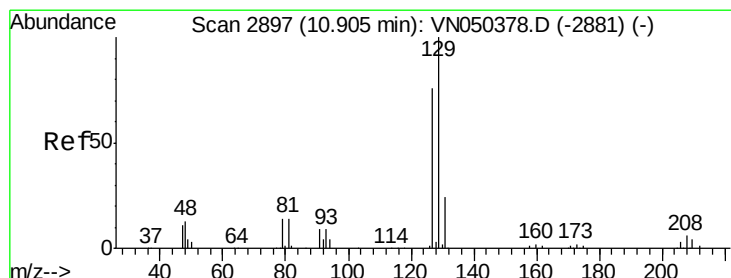
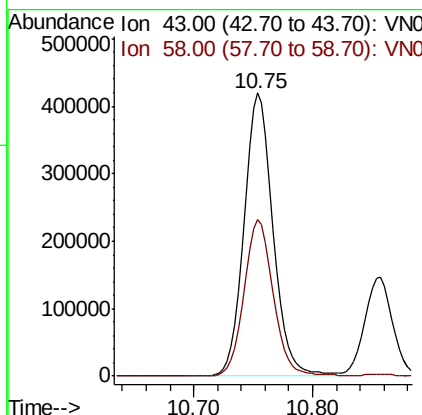
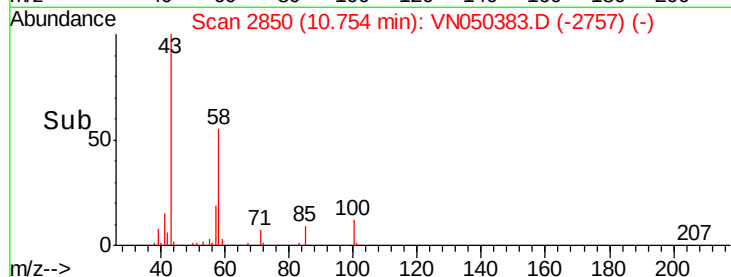
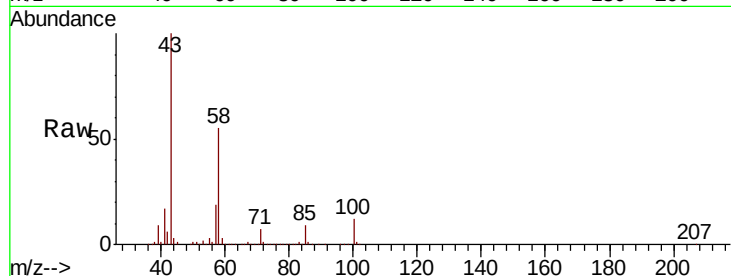




#59
2-Hexanone
Concen: 104.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

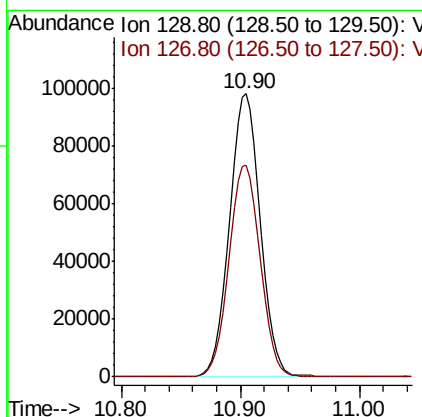
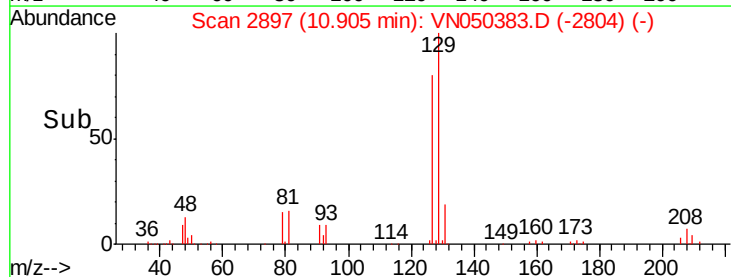
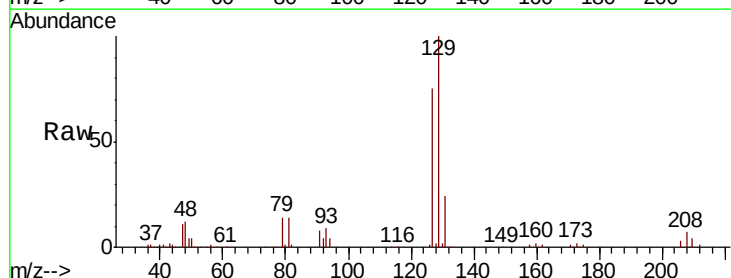
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

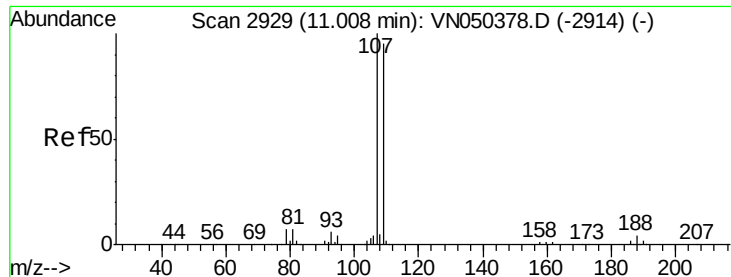
Tot Ion: 43 Resp: 705126
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7



#60
Dibromochloromethane
Concen: 20.45 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 129 Resp: 175993
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

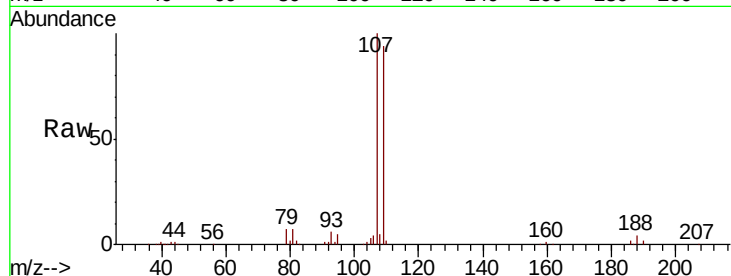
VN0806WBS01

Tot Ion:107 Resp: 160972

Ion Ratio Lower Upper

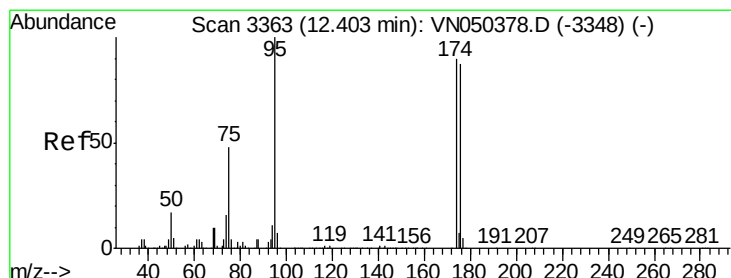
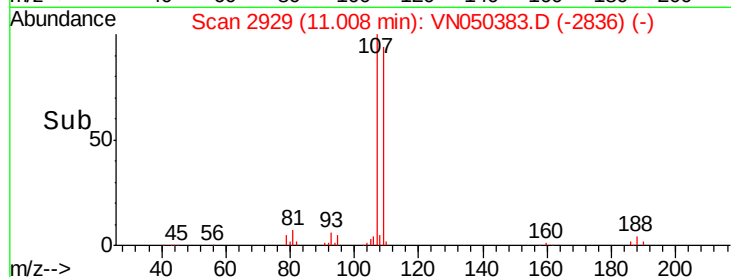
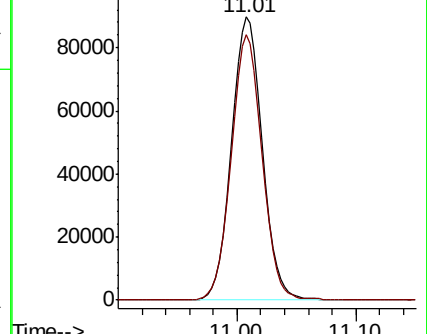
107 100

109 93.6 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

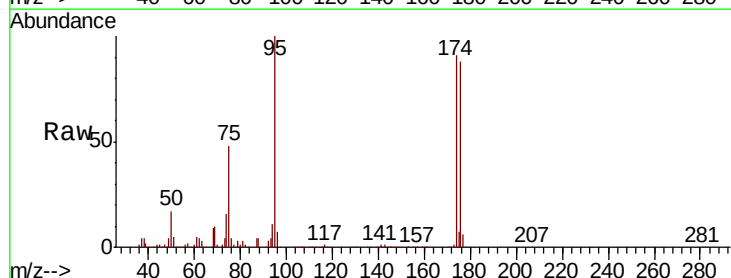
Tgt Ion: 95 Resp: 488790

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.2

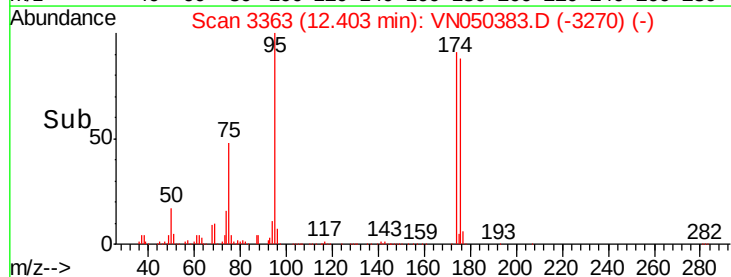
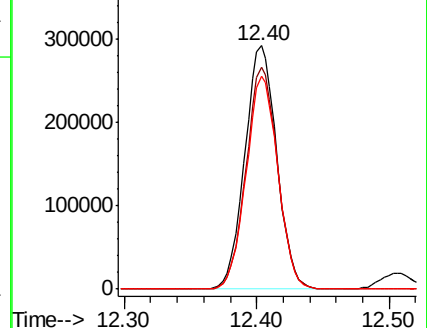
176 87.0 0.0 173.4

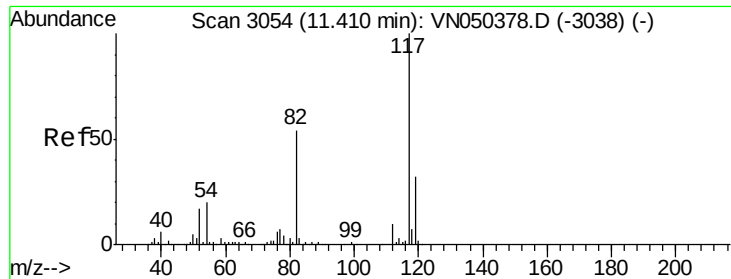


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

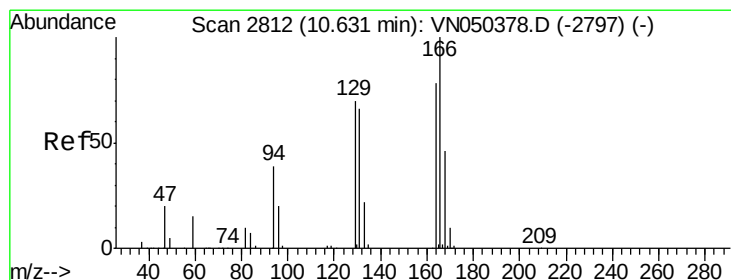
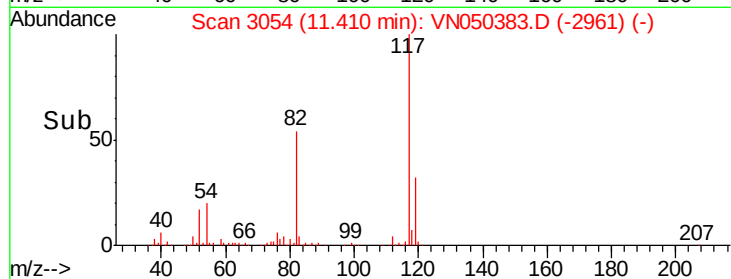
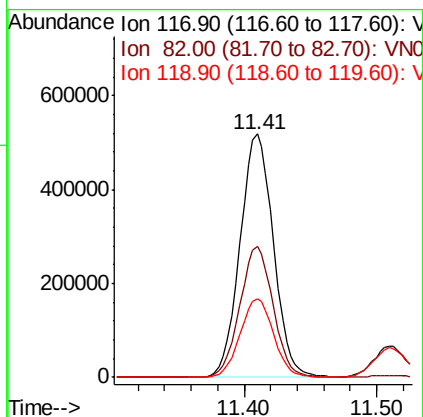
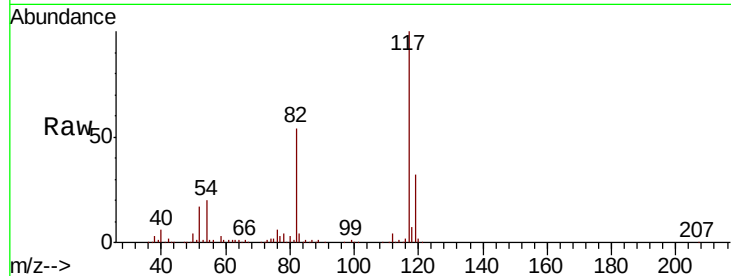




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

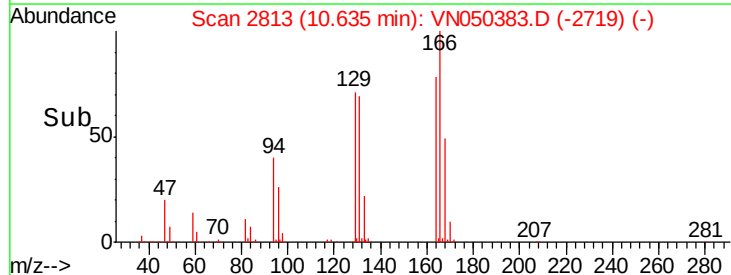
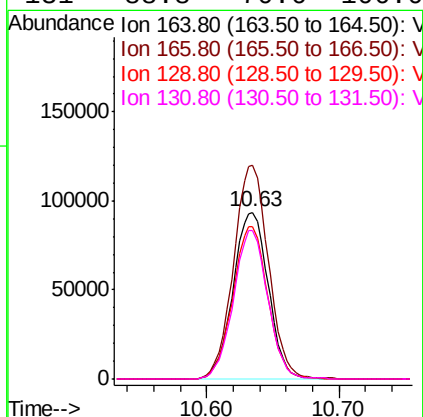
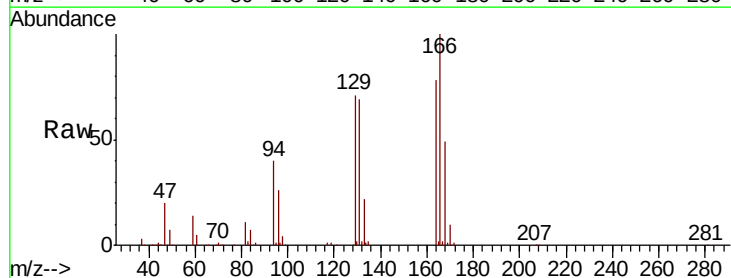
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

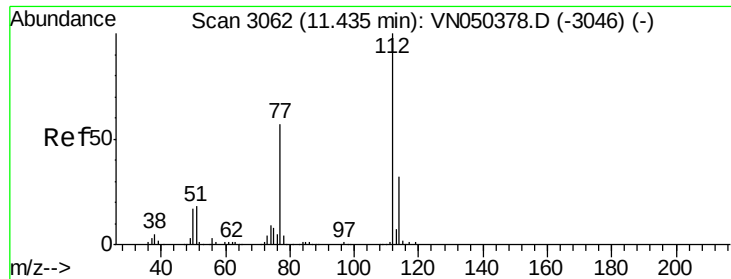
Tot Ion:117 Resp: 907121
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 20.32 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion:164 Resp: 172191
Ion Ratio Lower Upper
164 100
166 128.1 102.1 153.1
129 91.3 73.2 109.8
131 88.8 70.6 106.0

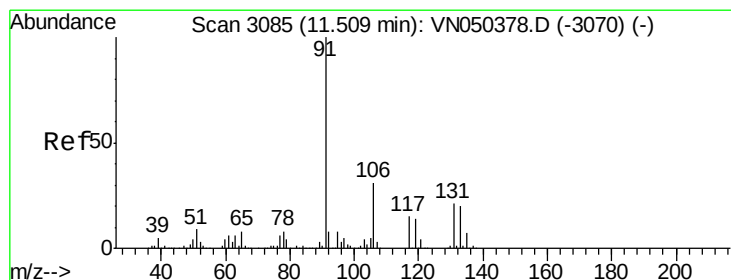
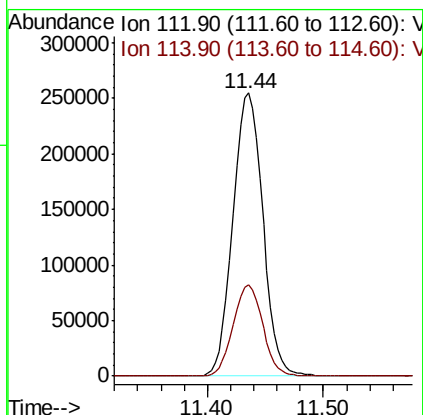
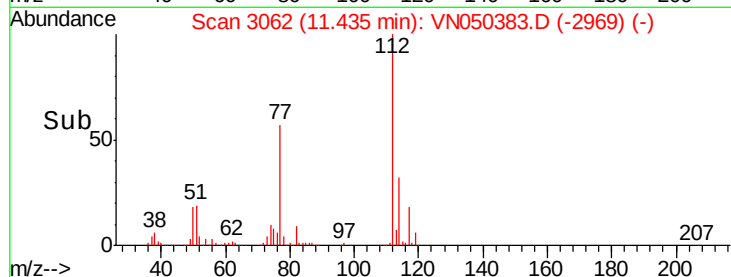
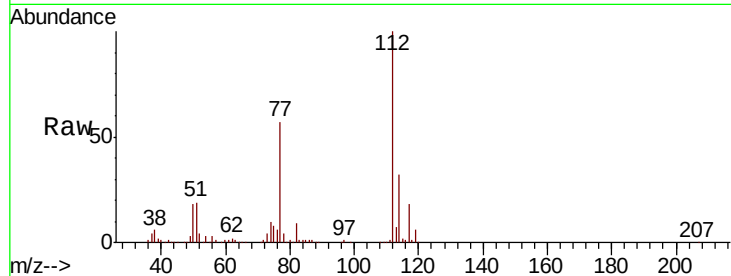




#65
Chlorobenzene
Concen: 19.99 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

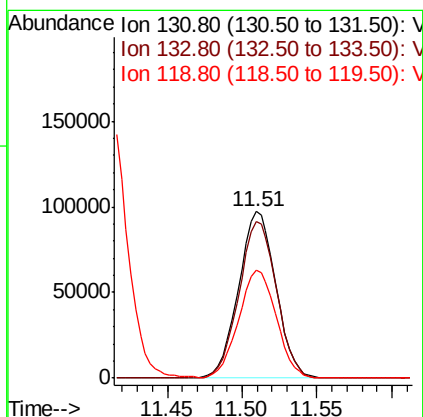
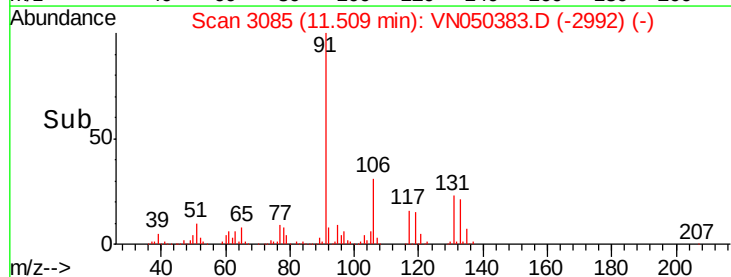
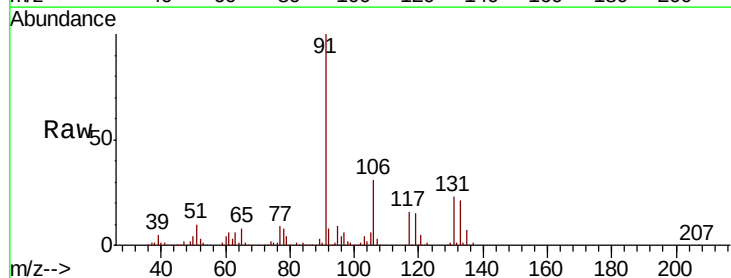
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

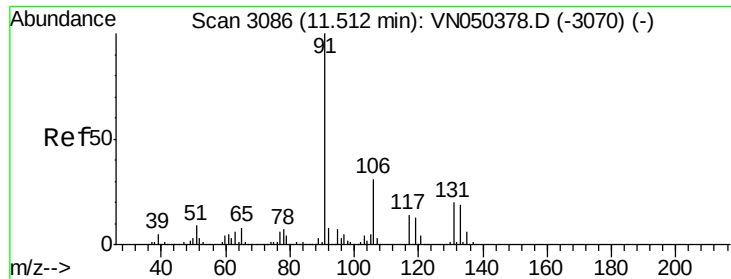
Tot Ion:112 Resp: 454504
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.36 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion:131 Resp: 168482
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.6 32.9 98.7





#67

Ethyl Benzene

Concen: 20.63 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

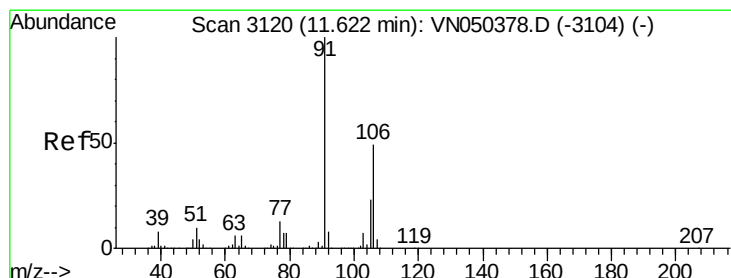
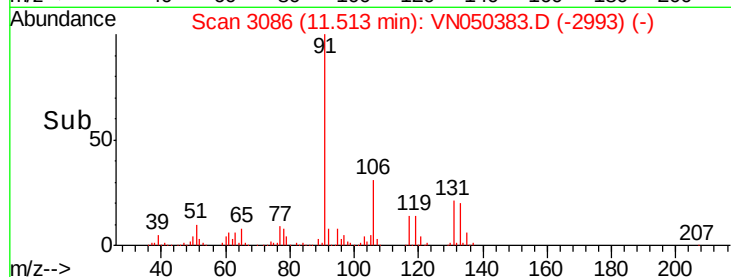
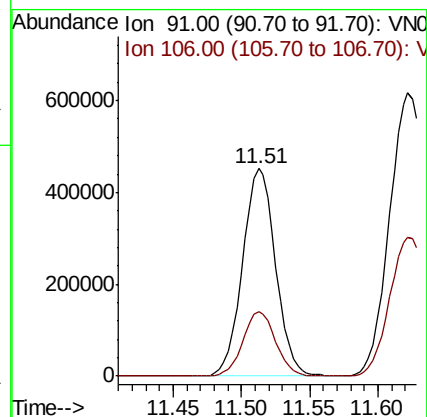
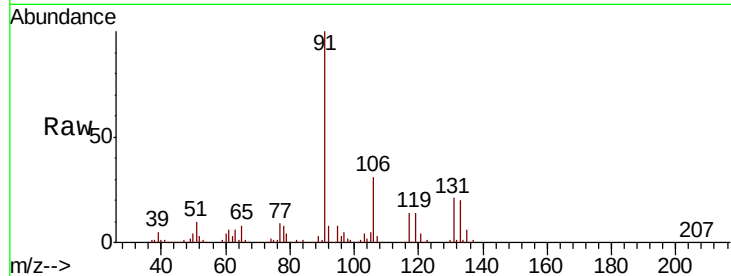
VN0806WBS01

Tot Ion: 91 Resp: 758272

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 42.29 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050383.D

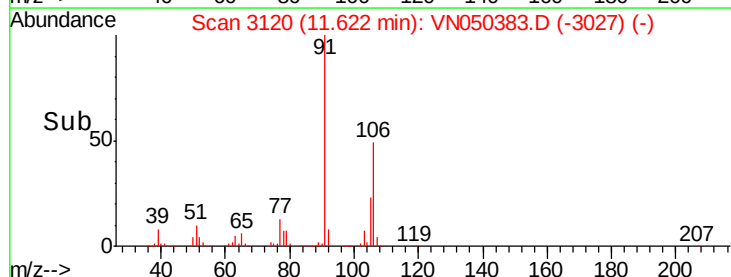
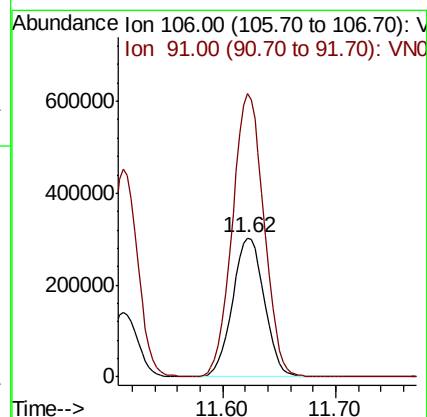
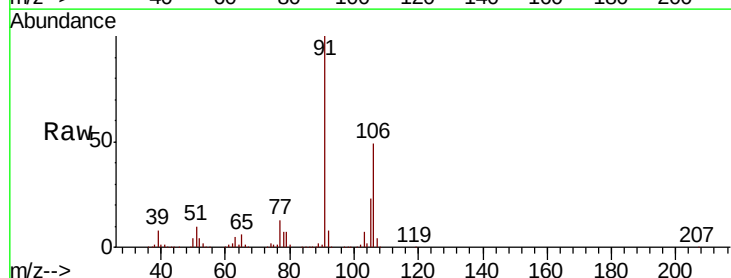
Acq: 6 Aug 2018 15:01

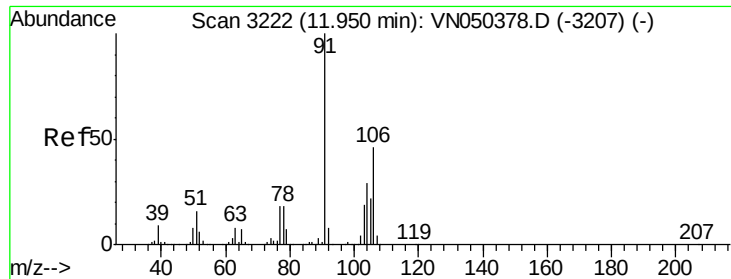
Tgt Ion: 106 Resp: 591811

Ion Ratio Lower Upper

106 100

91 202.3 162.2 243.2

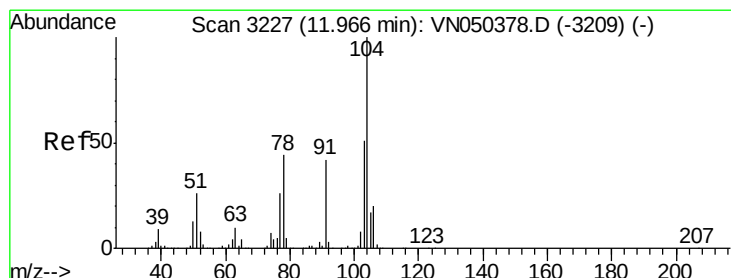
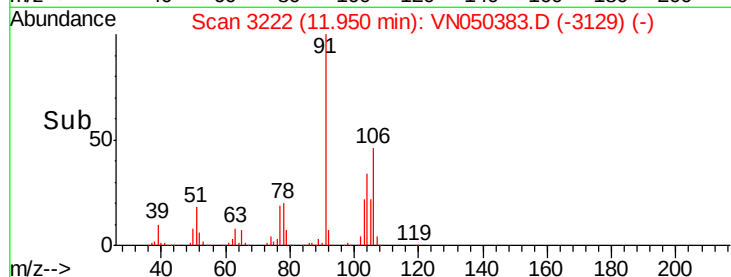
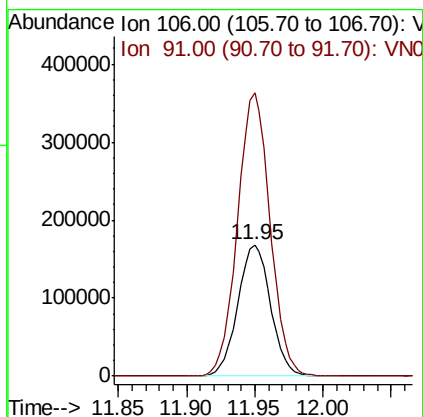
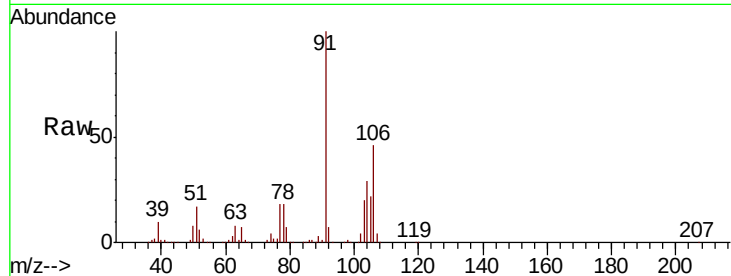




#69
o-Xylene
Concen: 20.82 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

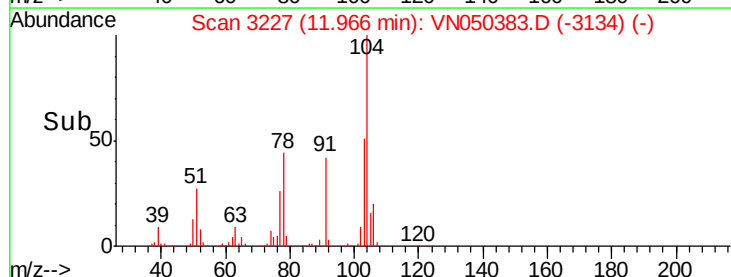
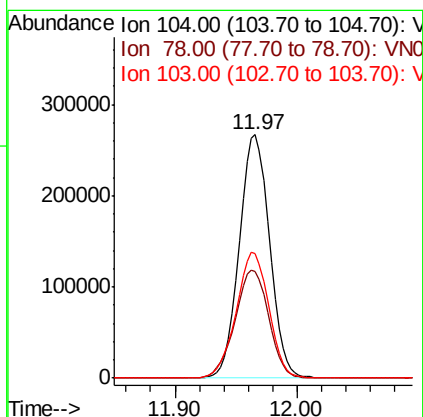
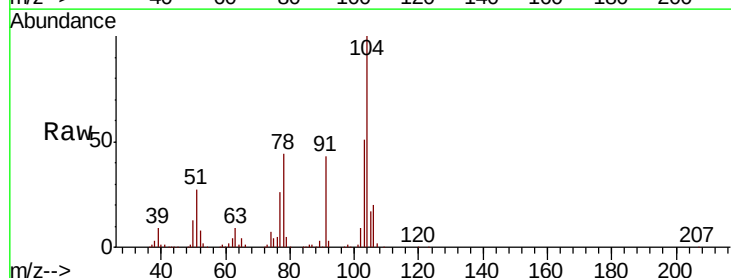
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS01

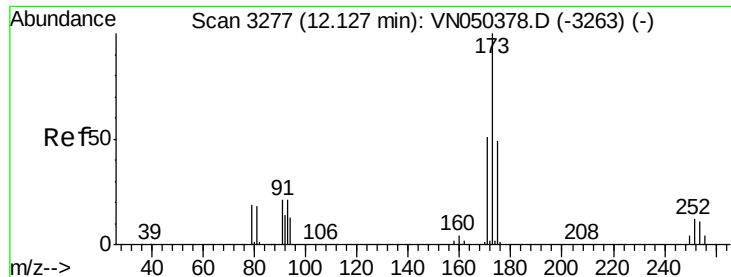
Tot Ion:106 Resp: 280608
Ion Ratio Lower Upper
106 100
91 214.4 107.7 323.1



#70
Styrene
Concen: 20.87 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion:104 Resp: 457508
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 56.0 45.0 67.6





#71

Bromoform

Concen: 20.51 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

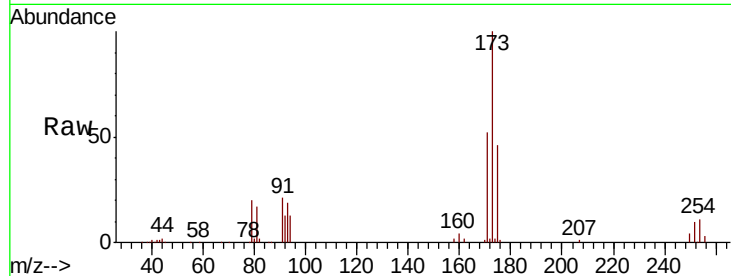
Tot Ion:173 Resp: 124077

Ion Ratio Lower Upper

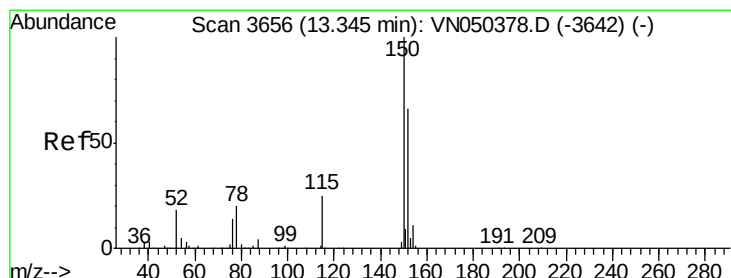
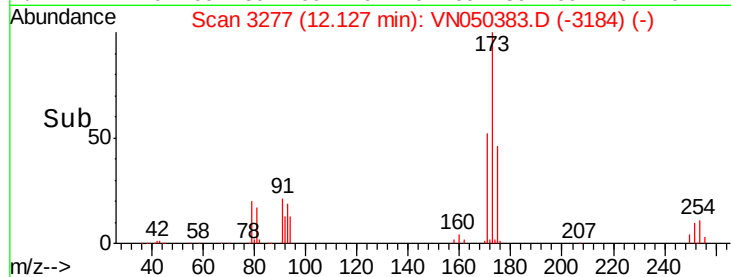
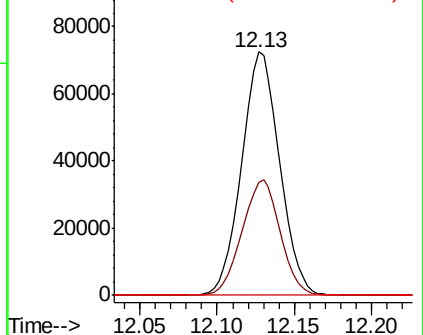
173 100

175 47.5 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: VN050383.D

Acq: 6 Aug 2018 15:01

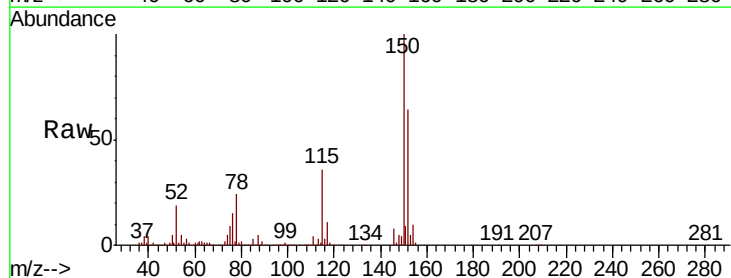
Tgt Ion:152 Resp: 469271

Ion Ratio Lower Upper

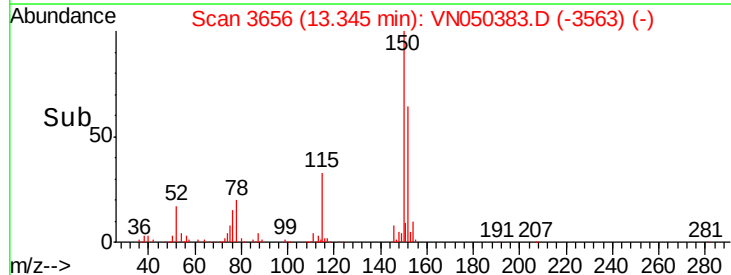
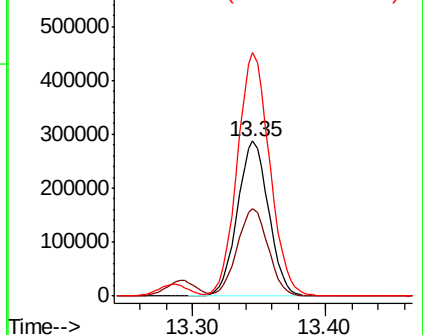
152 100

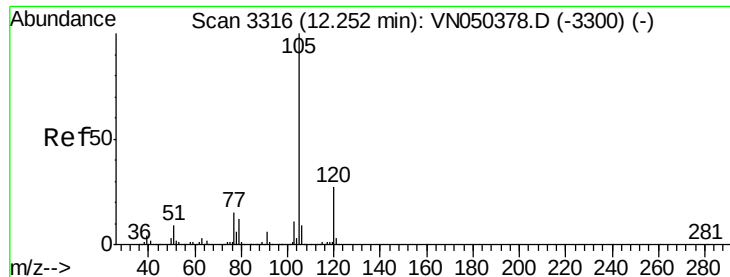
115 56.3 27.8 83.3

150 163.5 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: 21.15 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

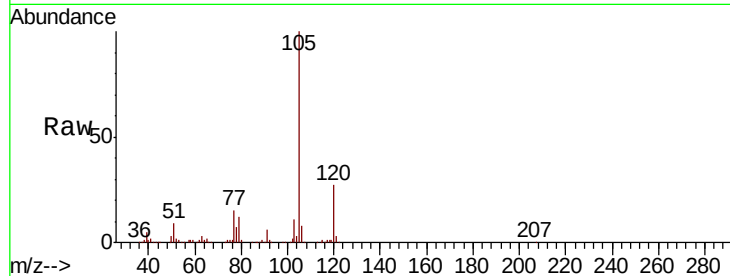
VN0806WBS01

Tot Ion:105 Resp: 745165

Ion Ratio Lower Upper

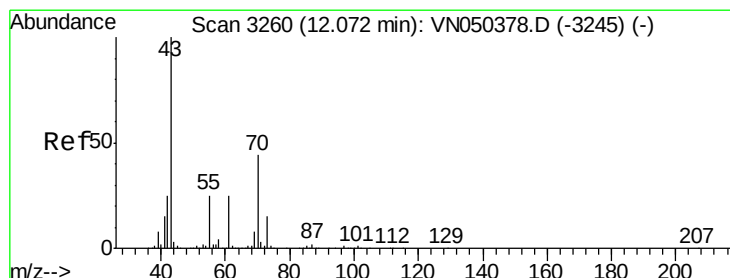
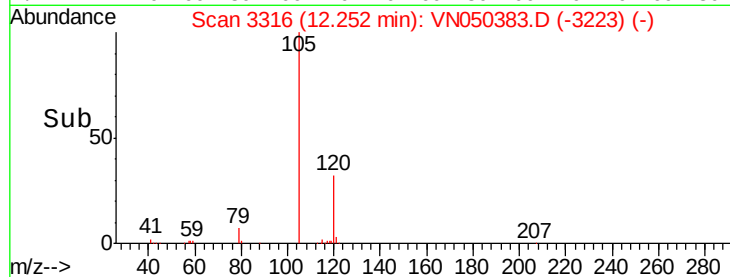
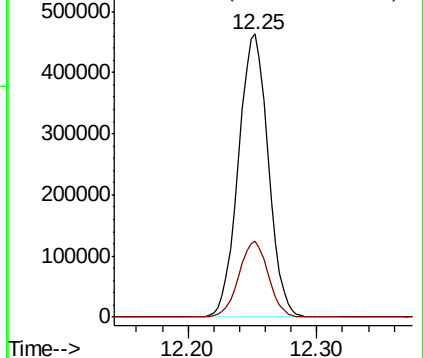
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.70 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Tgt Ion: 43 Resp: 236370

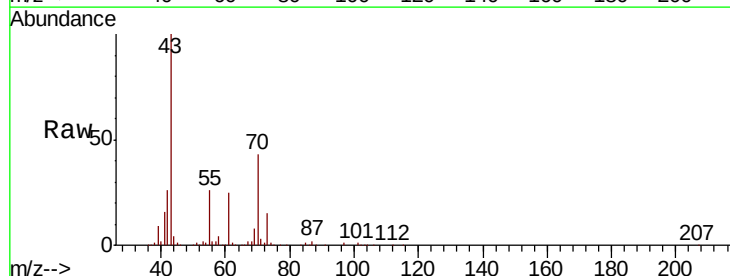
Ion Ratio Lower Upper

43 100

70 43.0 34.4 51.6

55 26.3 20.8 31.2

61 24.9 19.7 29.5

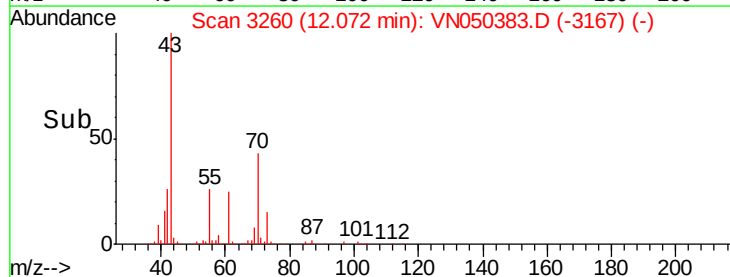
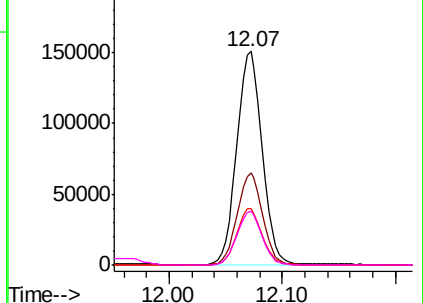


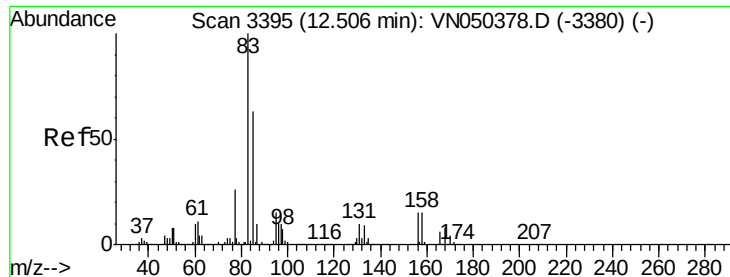
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

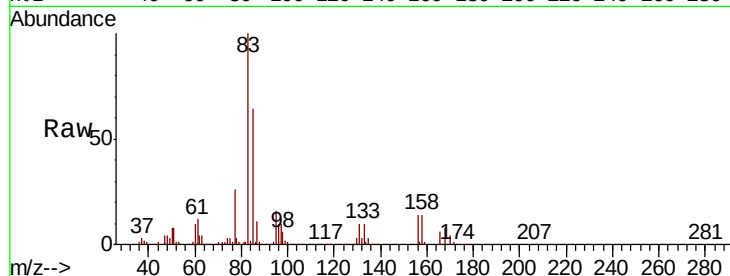
Tot Ion: 83 Resp: 208687

Ion Ratio Lower Upper

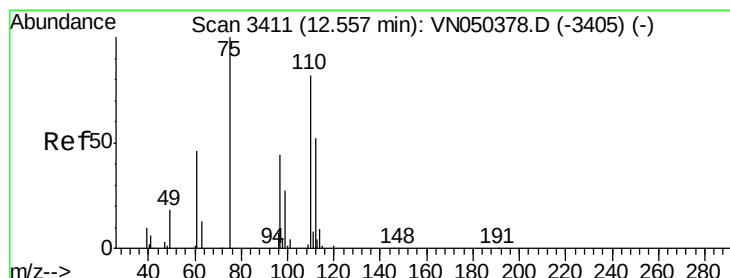
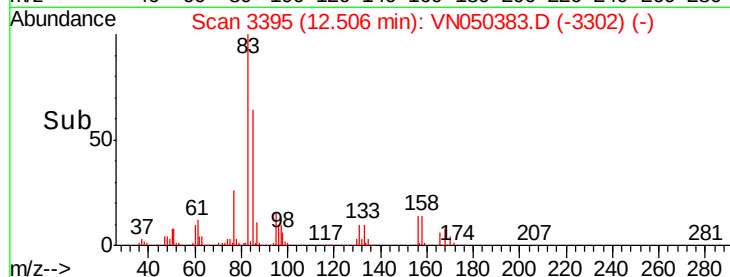
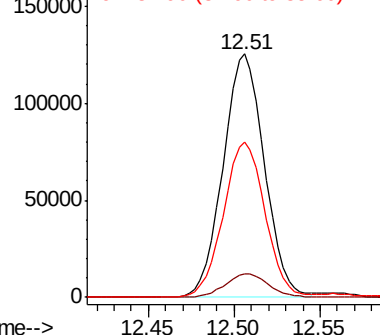
83 100

131 10.1 5.1 15.3

85 64.4 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: 29.67 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050383.D

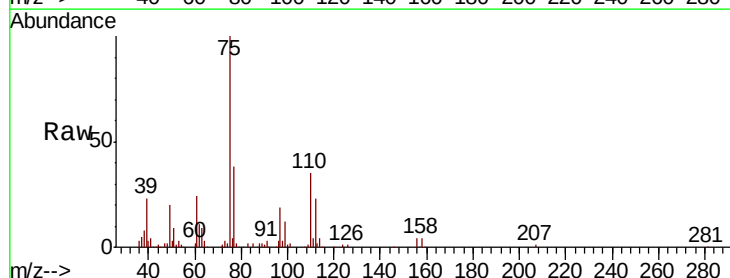
Acq: 6 Aug 2018 15:01

Tgt Ion: 75 Resp: 252004

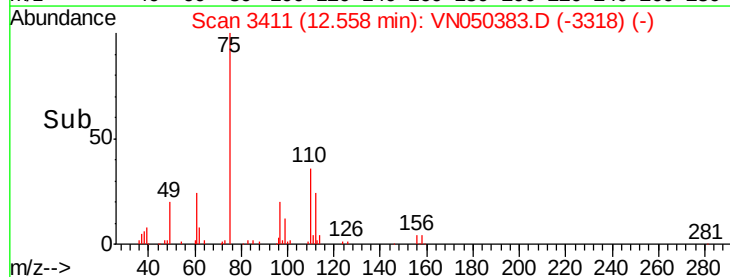
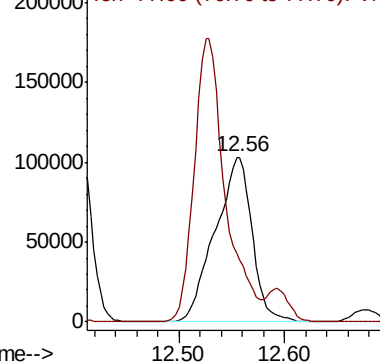
Ion Ratio Lower Upper

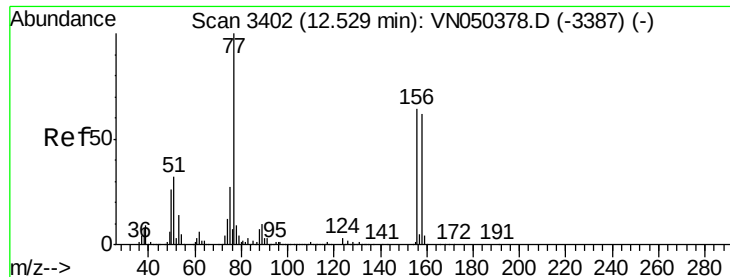
75 100

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: 20.78 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

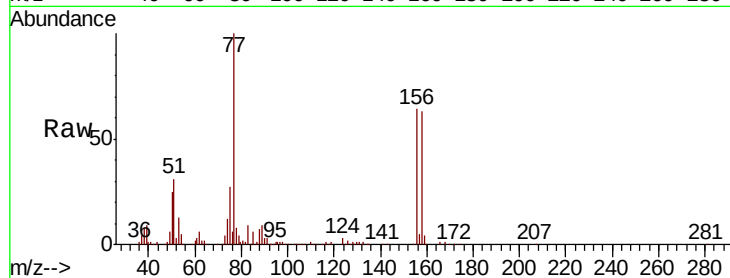
Tot Ion:156 Resp: 196145

Ion Ratio Lower Upper

156 100

77 184.8 91.7 275.1

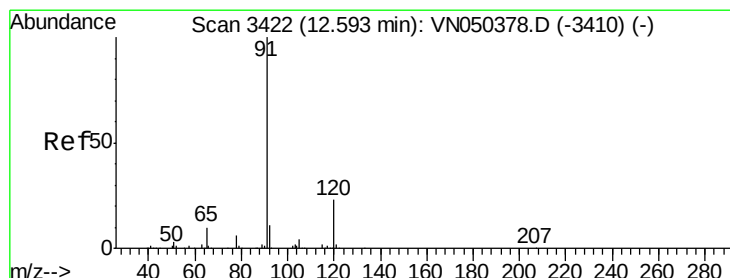
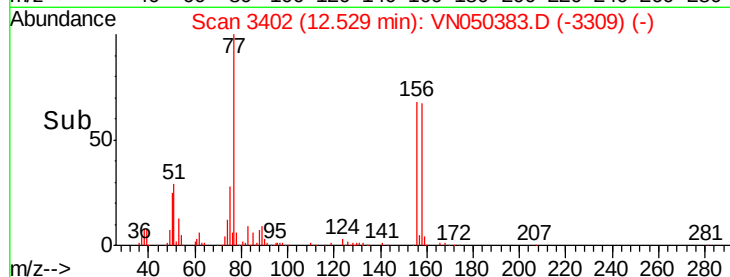
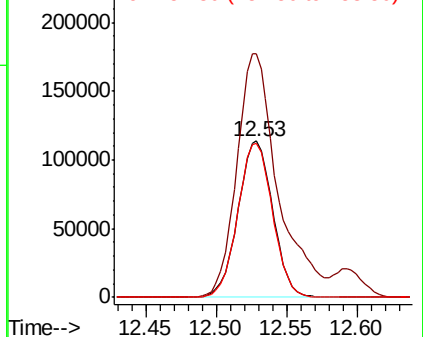
158 98.7 48.9 146.6



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: 21.39 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050383.D

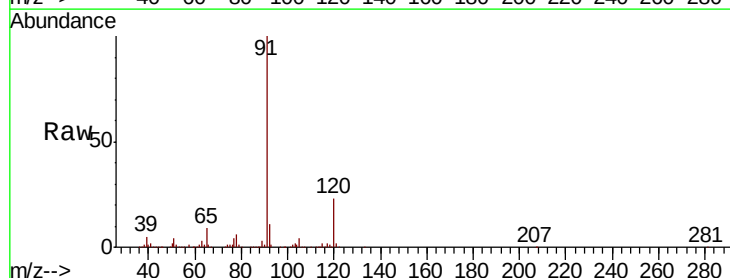
Acq: 6 Aug 2018 15:01

Tgt Ion: 91 Resp: 852805

Ion Ratio Lower Upper

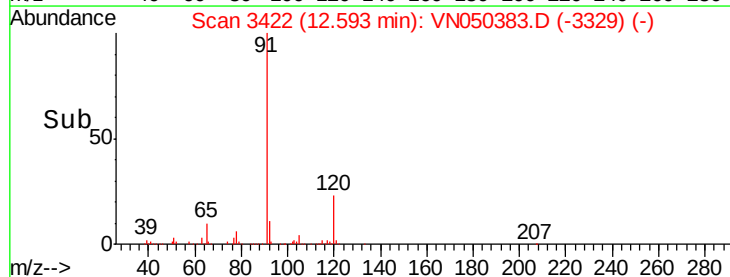
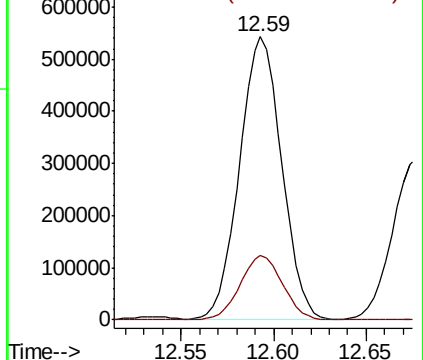
91 100

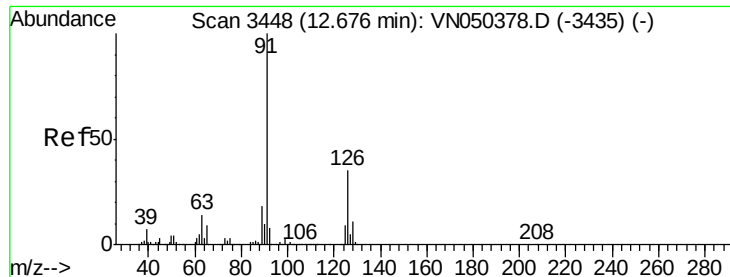
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

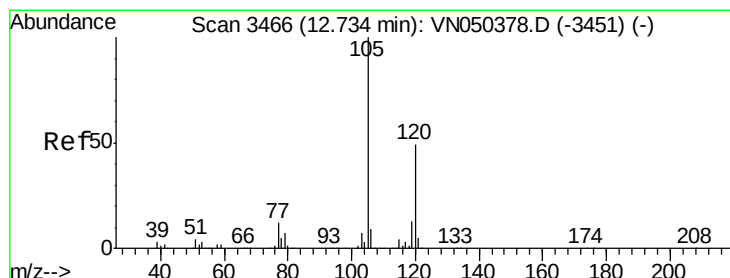
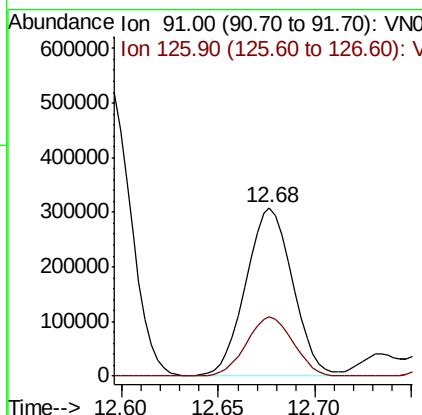
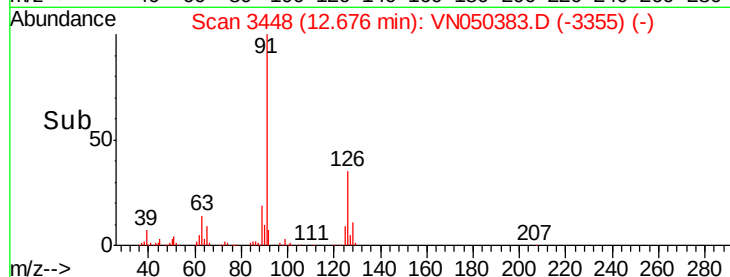
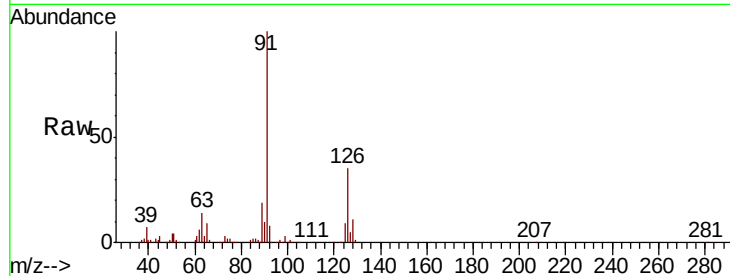




#79
 2-Chlorotoluene
 Concen: 21.04 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

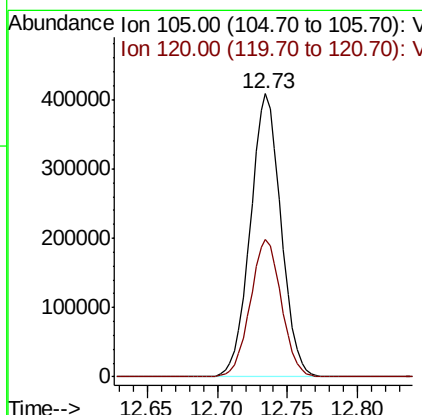
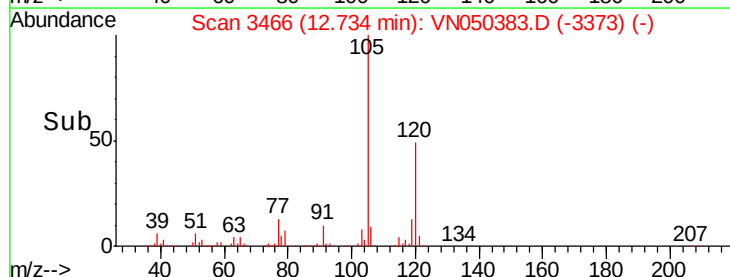
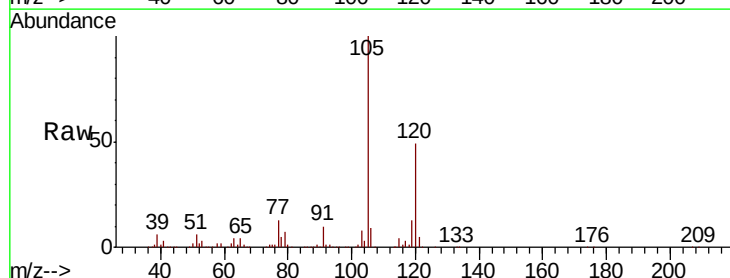
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

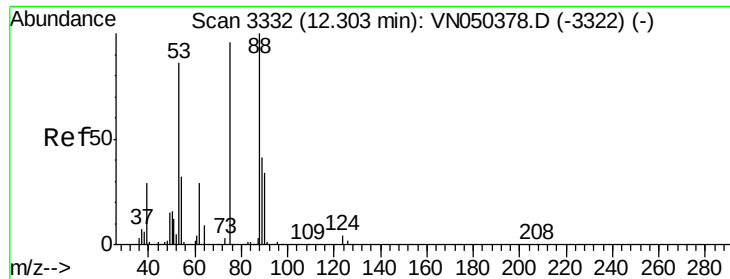
Tot Ion: 91 Resp: 518052
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.70 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion: 105 Resp: 620388
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2

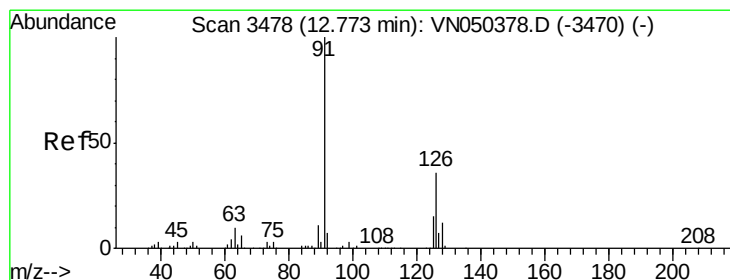
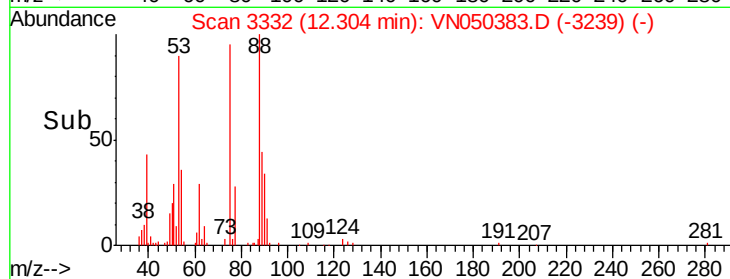
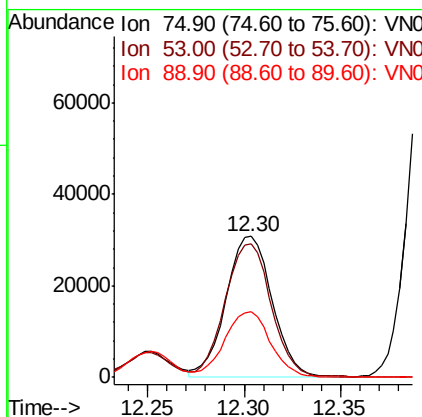
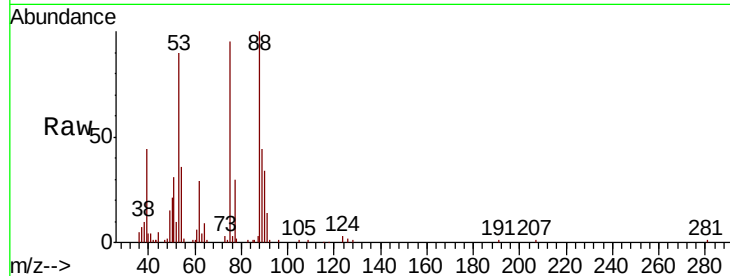




#81
trans-1,4-Dichloro-2-butene
Concen: 21.29 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

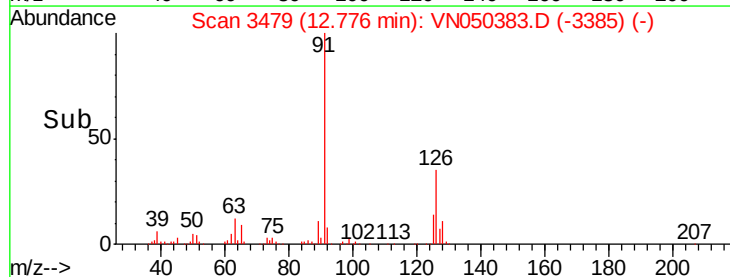
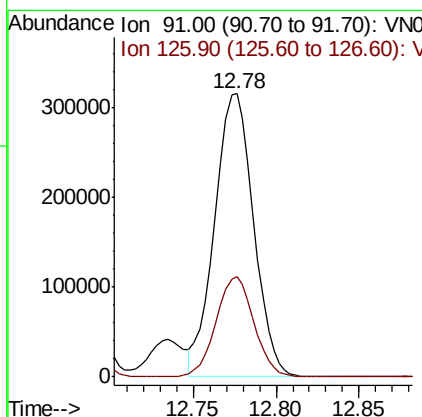
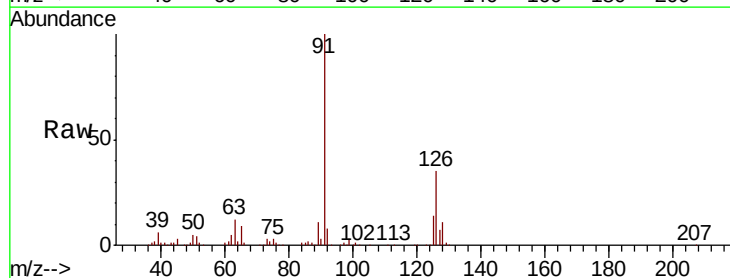
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS01

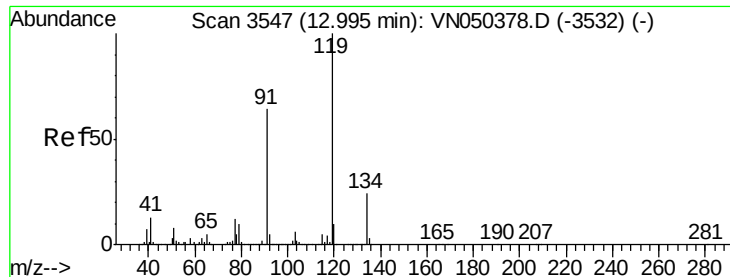
Tot Ion: 75 Resp: 51462
Ion Ratio Lower Upper
75 100
53 95.1 73.5 110.3
89 46.3 36.0 54.0



#82
4-Chlorotoluene
Concen: 20.97 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050383.D
Acq: 6 Aug 2018 15:01

Tgt Ion: 91 Resp: 515043
Ion Ratio Lower Upper
91 100
126 34.4 17.0 51.0





#83

tert-Butylbenzene

Concen: 21.05 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

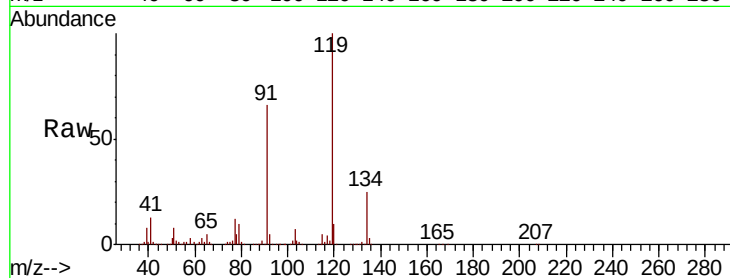
Tot Ion:119 Resp: 525198

Ion Ratio Lower Upper

119 100

91 63.5 32.1 96.3

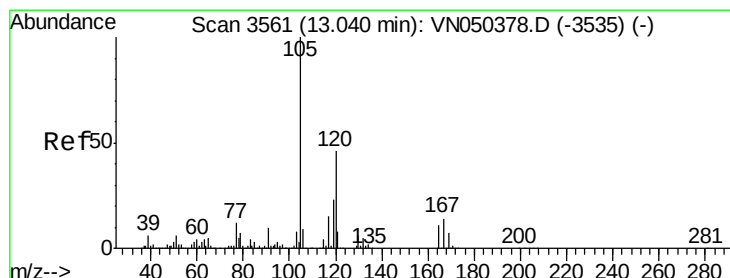
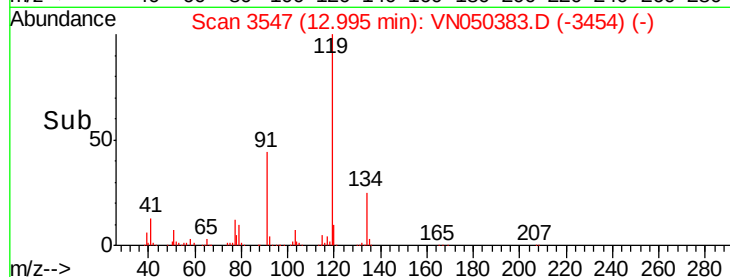
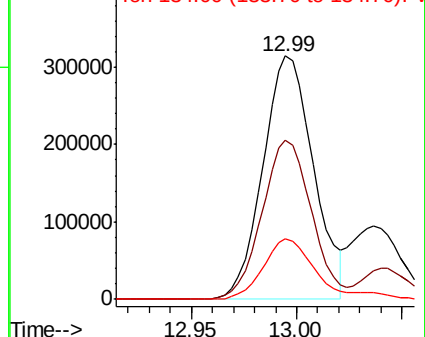
134 26.6 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.82 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050383.D

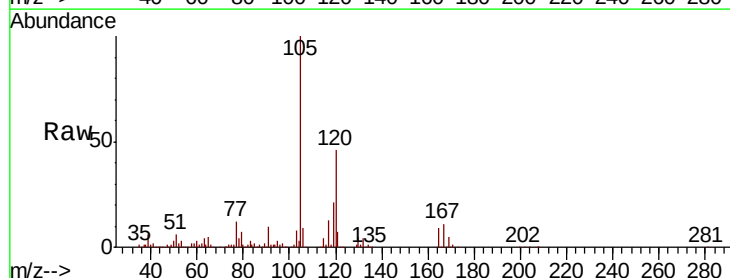
Acq: 6 Aug 2018 15:01

Tgt Ion:105 Resp: 632037

Ion Ratio Lower Upper

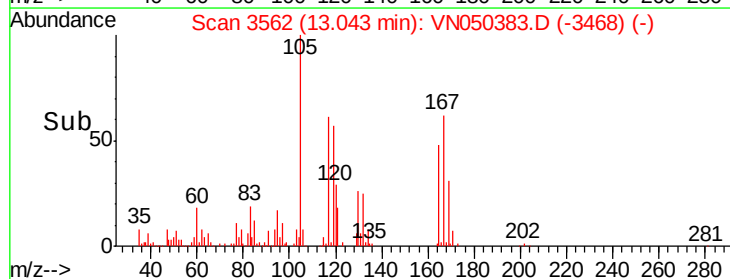
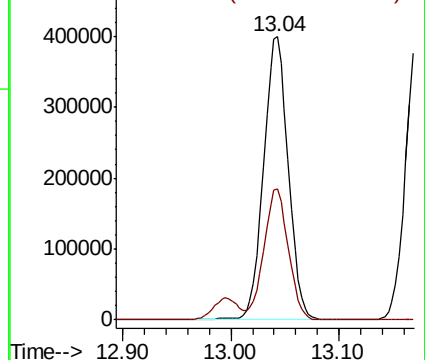
105 100

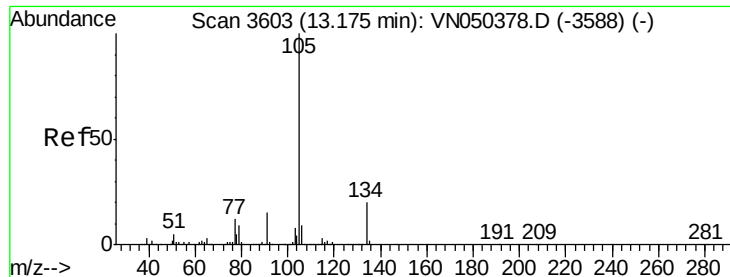
120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.99 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

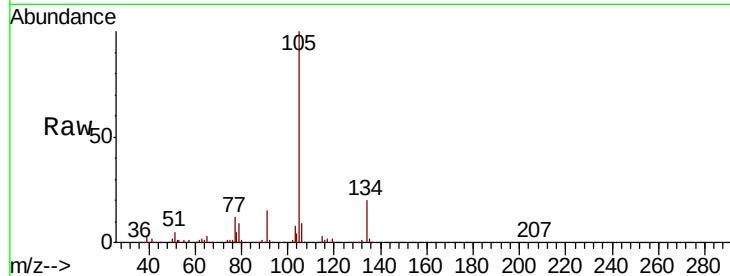
VN0806WBS01

Tot Ion:105 Resp: 697908

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

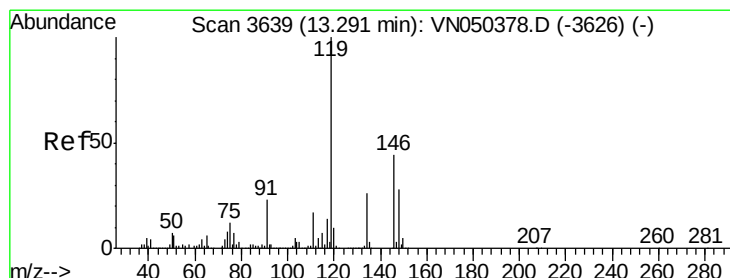
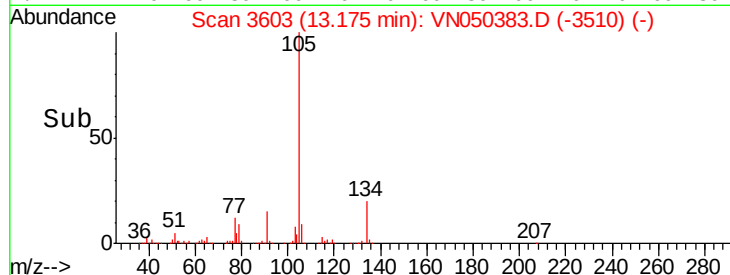
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

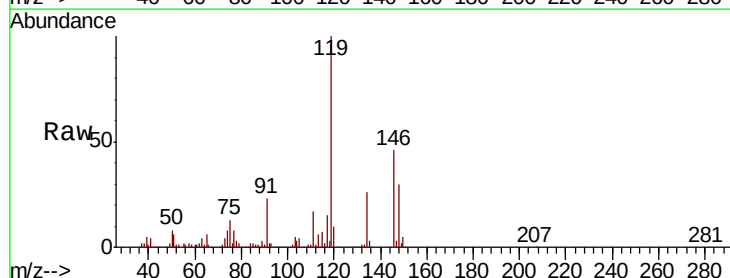
Tgt Ion:119 Resp: 604304

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

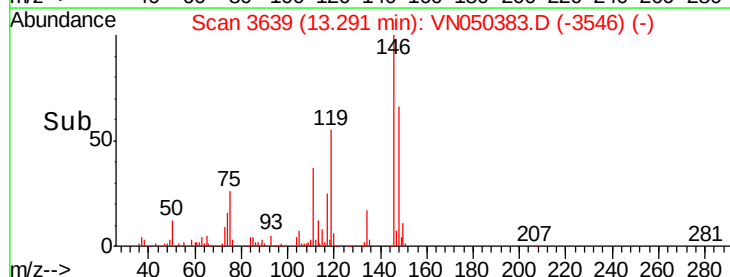
300000

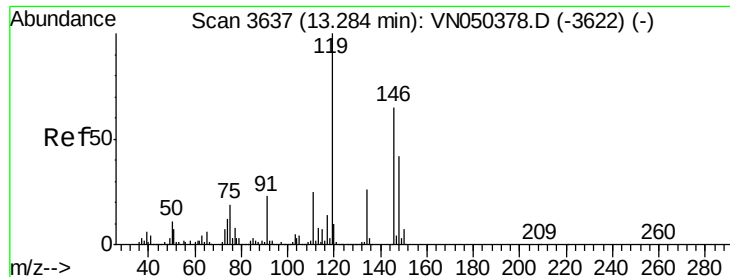
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS01

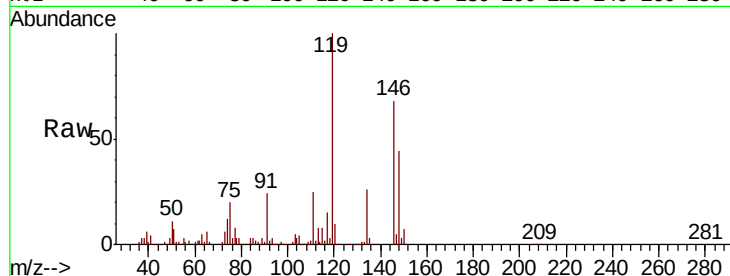
Tot Ion:146 Resp: 341951

Ion Ratio Lower Upper

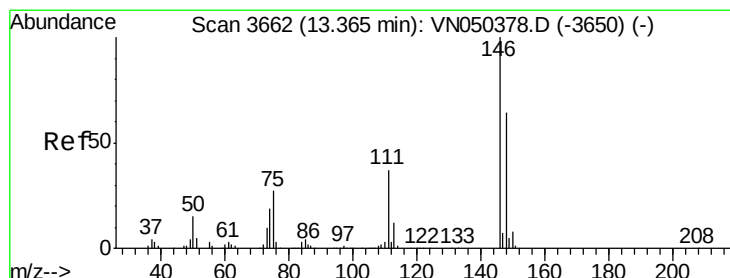
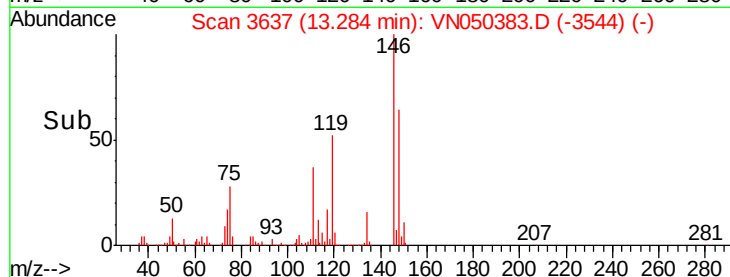
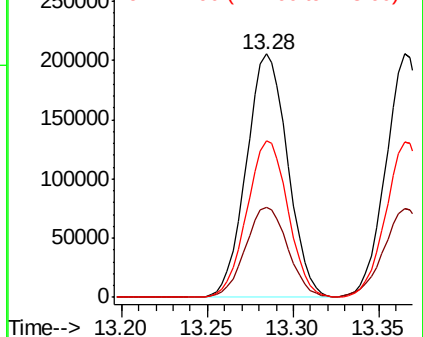
146 100

111 37.8 18.8 56.4

148 64.2 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: 19.71 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

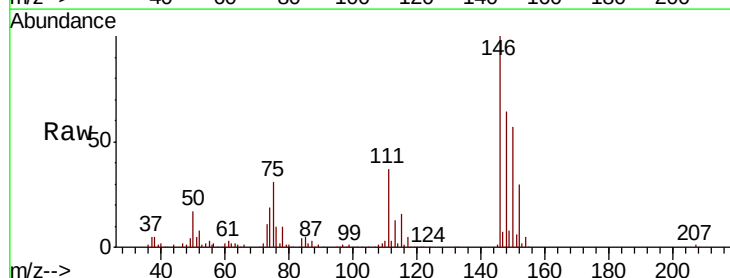
Tgt Ion:146 Resp: 330802

Ion Ratio Lower Upper

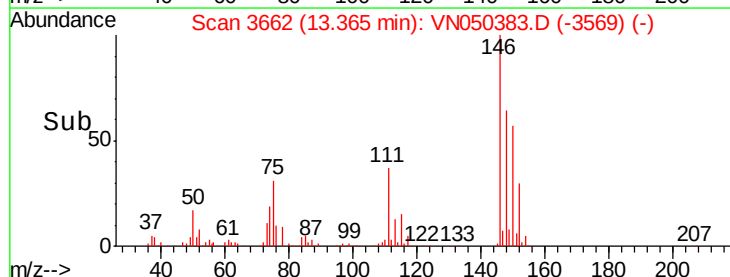
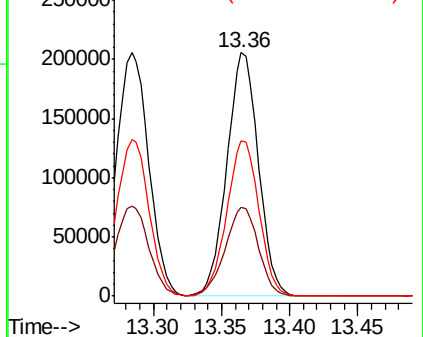
146 100

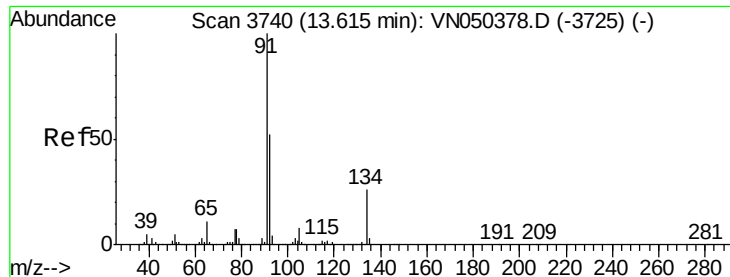
111 38.4 18.3 54.9

148 65.0 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: 19.67 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

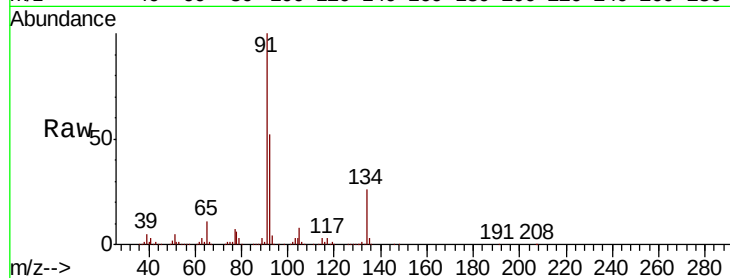
Tot Ion: 91 Resp: 477204

Ion Ratio Lower Upper

91 100

92 51.2 25.8 77.4

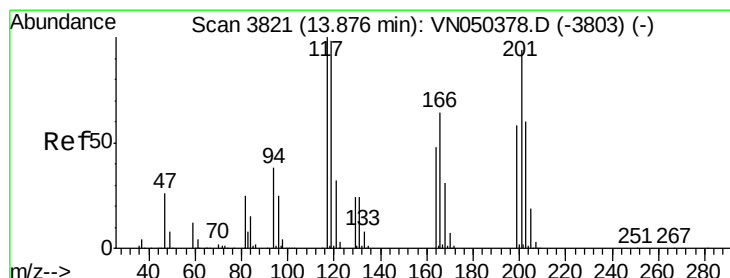
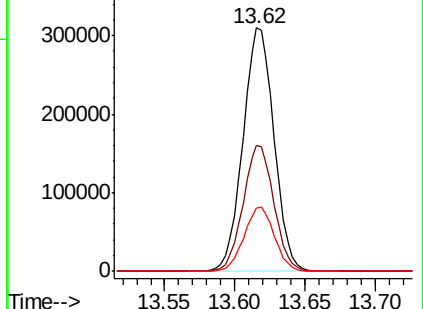
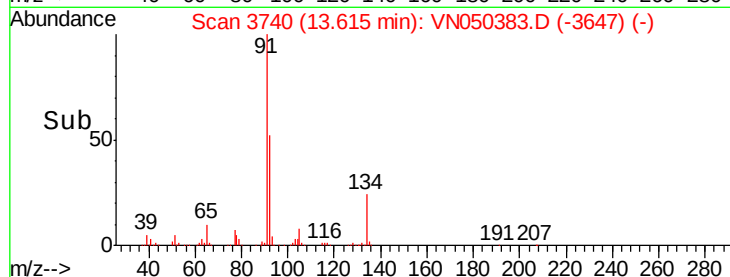
134 25.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050383.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050383.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050383.D (-3725) (-)



#90

Hexachloroethane

Concen: 20.08 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050383.D

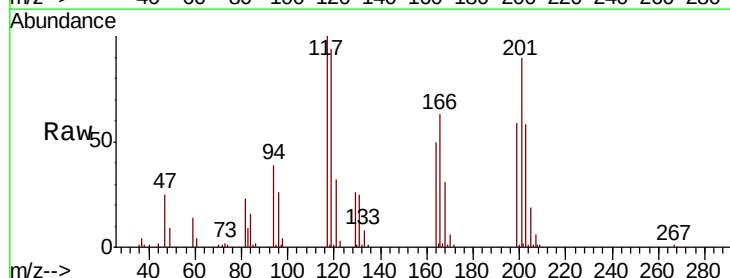
Acq: 6 Aug 2018 15:01

Tgt Ion: 117 Resp: 101726

Ion Ratio Lower Upper

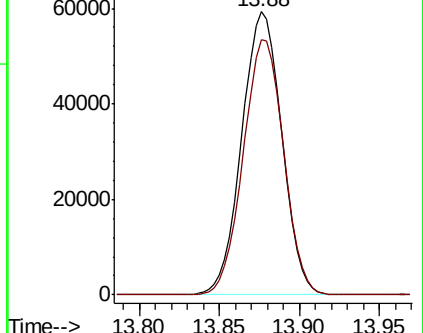
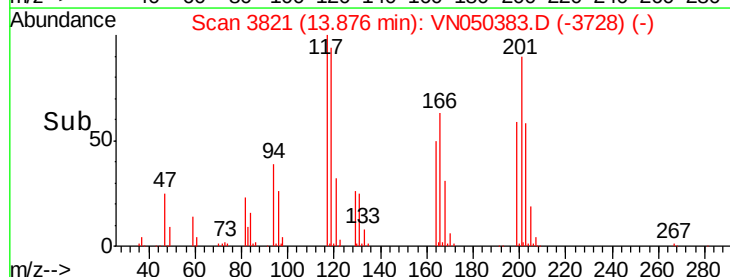
117 100

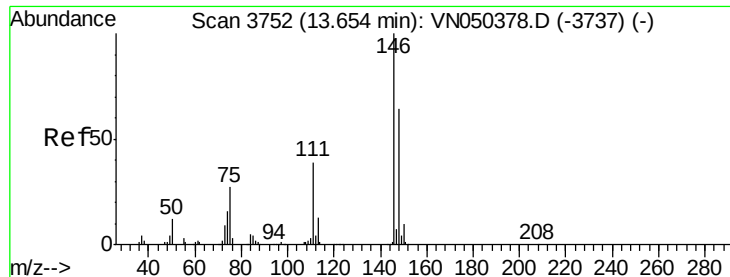
201 90.8 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050383.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050383.D (-3803) (-)

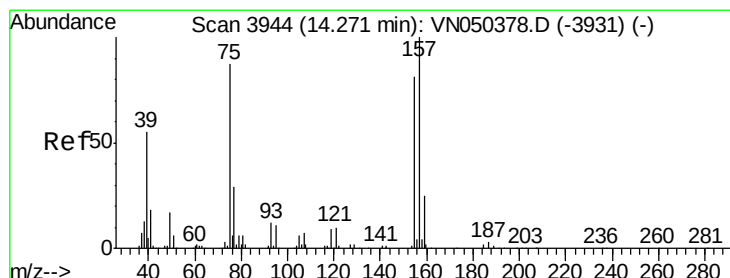
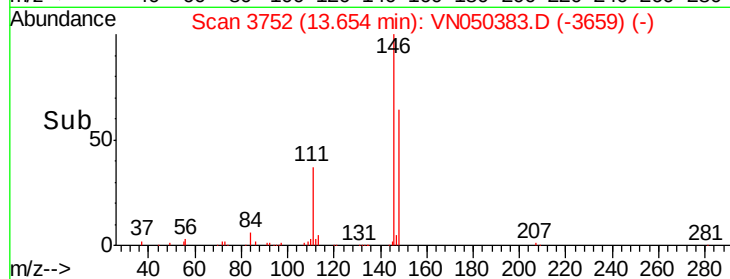
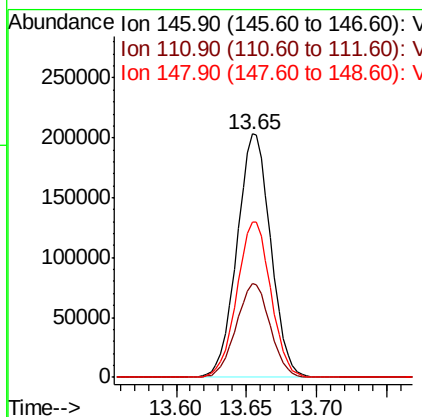
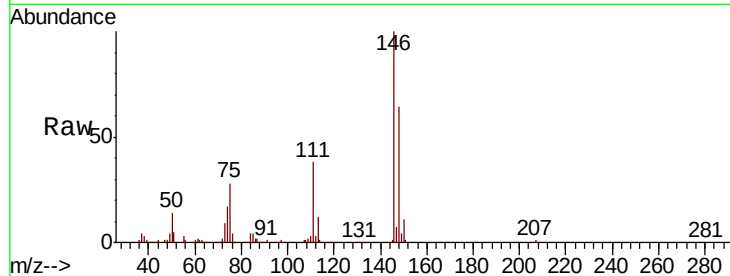




#91
 1,2-Dichlorobenzene
 Concen: 20.15 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

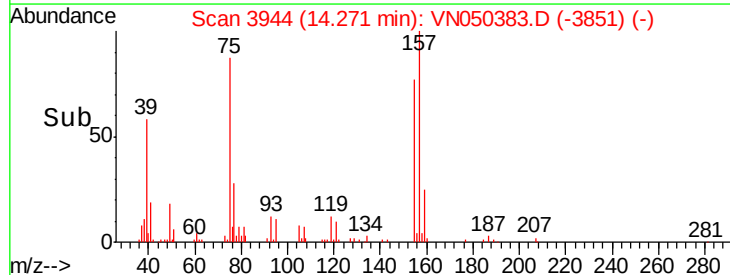
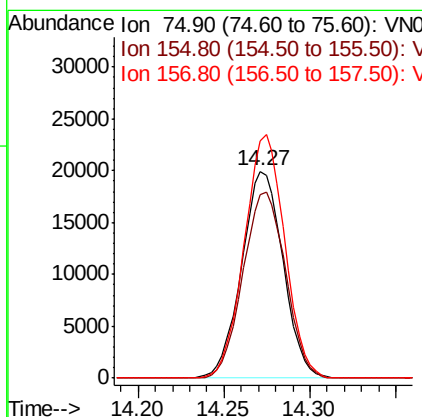
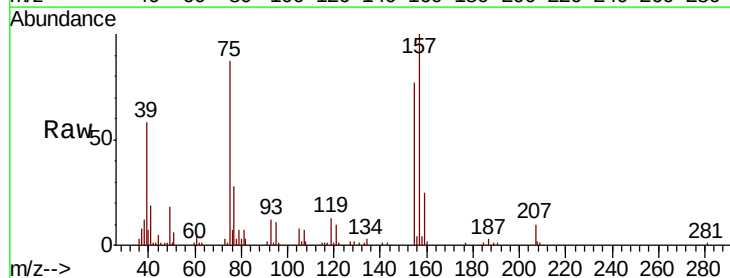
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS01

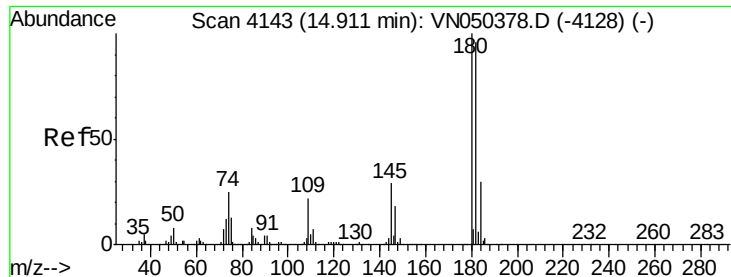
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.27 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	44.8	134.4
157	115.0	57.2	171.6

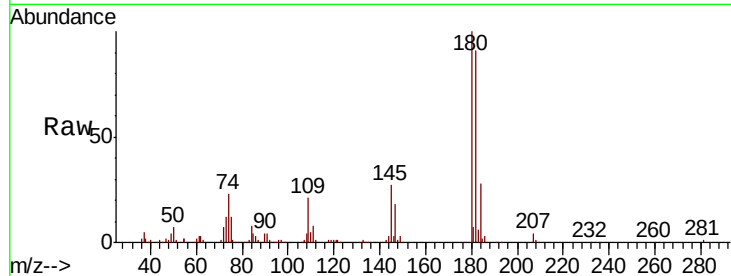




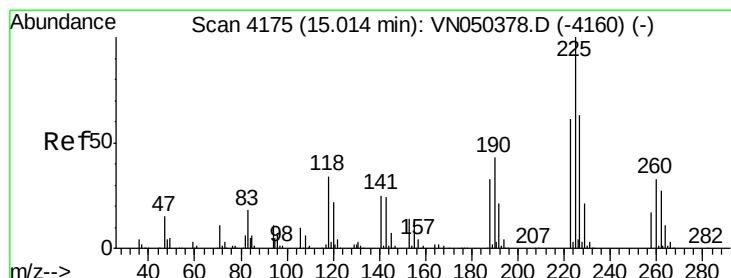
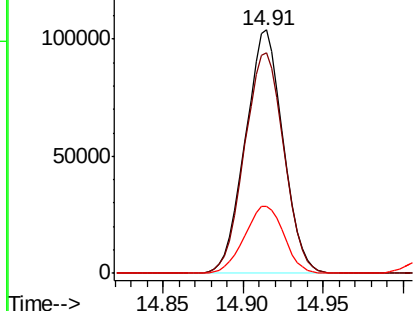
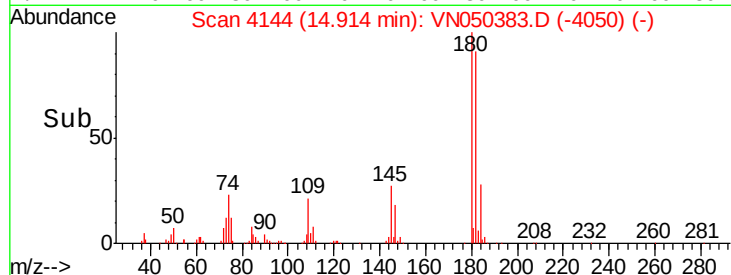
#93
 1,2,4-Trichlorobenzene
 Concen: 19.60 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS01

Tot Ion:180 Resp: 168242
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.7 140.1
 145 28.8 13.8 41.4

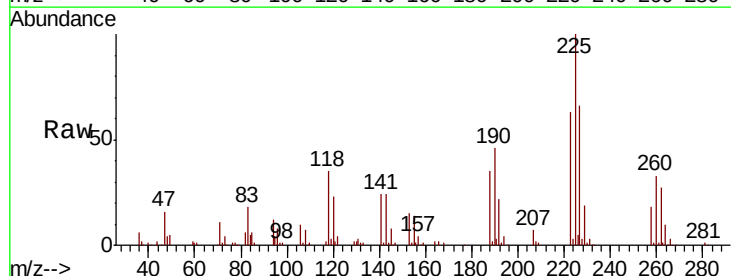


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

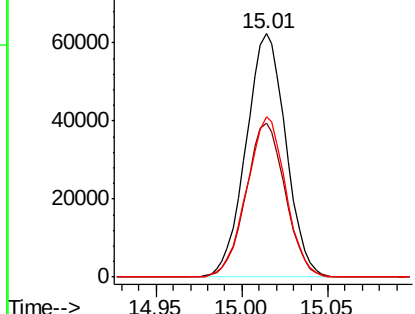
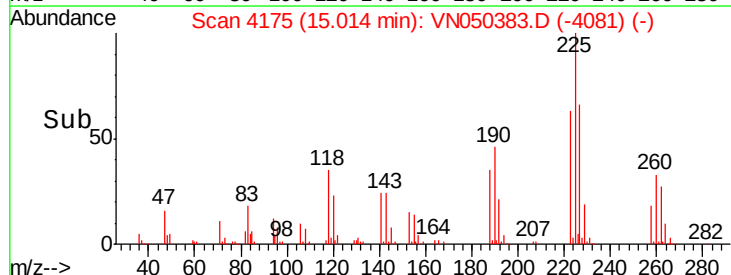


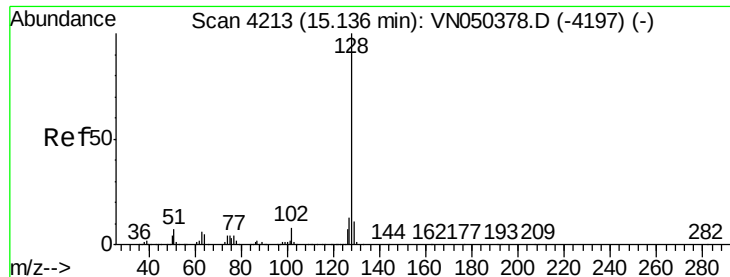
#94
 Hexachlorobutadiene
 Concen: 20.40 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050383.D
 Acq: 6 Aug 2018 15:01

Tgt Ion:225 Resp: 100176
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.4 94.2
 227 64.5 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: 19.26 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS01

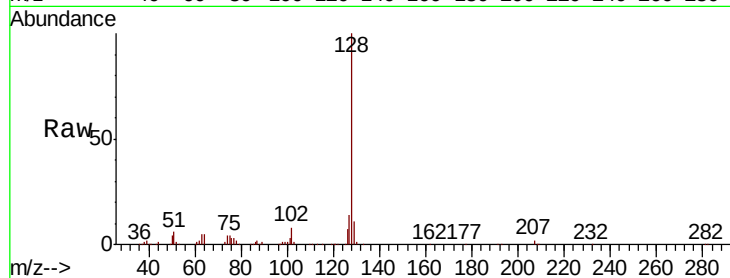
Tot Ion:128 Resp: 383155

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.8 8.8 13.2

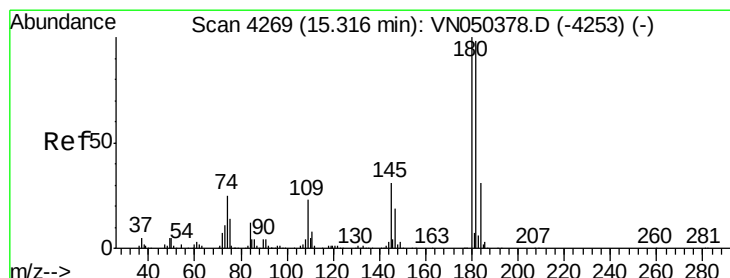
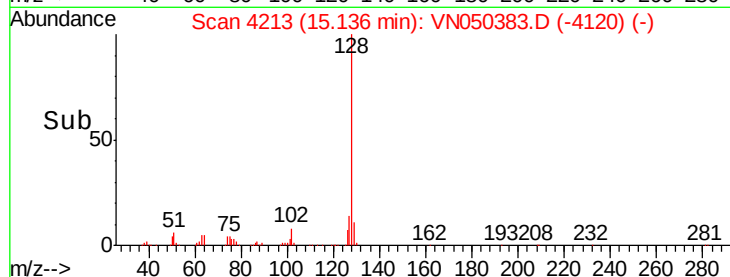
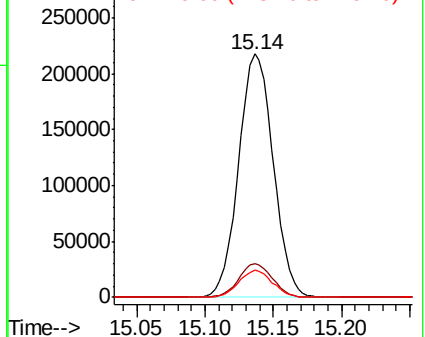


Abundance

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: 19.26 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050383.D

Acq: 6 Aug 2018 15:01

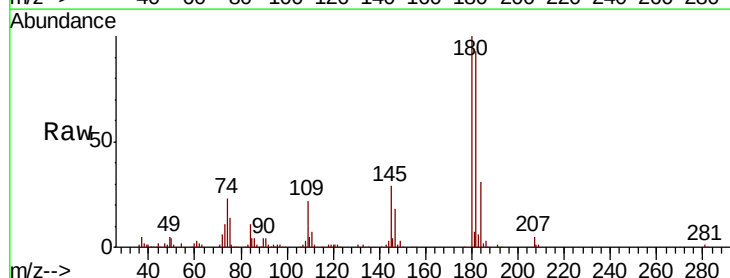
Tgt Ion:180 Resp: 167141

Ion Ratio Lower Upper

180 100

182 94.3 48.1 144.4

145 30.5 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

