

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050562.D
 Acq On : 13 Aug 2018 12:40
 Operator : MD\SY
 Sample : VN0813WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Quant Time: Aug 14 00:57:30 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	623904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909595	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-11.41
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.35

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	400035	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	374518	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	1375624	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	127701	18.44	ug/l	98
3) Chloromethane	2.06	50	166498	19.45	ug/l	100
4) Vinyl Chloride	2.18	62	172971	19.30	ug/l	98
5) Bromomethane	2.56	94	94524	21.84	ug/l	98
6) Chloroethane	2.70	64	105549	19.11	ug/l	100
7) Trichlorofluoromethane	3.01	101	231242	19.97	ug/l	99
8) Diethyl Ether	3.41	74	79003	18.61	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143944	20.12	ug/l	99
10) Methyl Iodide	3.95	142	72949	23.14	ug/l	99
11) Tert butyl alcohol	4.80	59	44560	66.54	ug/l	97
12) 1,1-Dichloroethene	3.73	96	127169	18.85	ug/l	95
13) Acrolein	3.61	56	31902	49.44	ug/l	98
14) Allyl chloride	4.33	41	203801	18.81	ug/l	96
15) Acrylonitrile	5.00	53	238345	84.97	ug/l	98
16) Acetone	3.82	43	208664	83.70	ug/l	97
17) Carbon Disulfide	4.05	76	375079	17.10	ug/l	100
18) Methyl Acetate	4.33	43	126398	19.45	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	350090	18.29	ug/l	100
20) Methylene Chloride	4.55	84	156151	19.60	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	138700	19.00	ug/l	97
22) Diisopropyl ether	5.96	45	453933	20.51	ug/l	97
23) Vinyl Acetate	5.90	43	1439263	91.16	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271687	20.01	ug/l	99
25) 2-Butanone	6.84	43	334913	81.08	ug/l	100
26) 2,2-Dichloropropane	6.83	77	220463	19.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159978	19.77	ug/l	99
28) Bromochloromethane	7.20	49	120855	19.34	ug/l	99
29) Tetrahydrofuran	7.21	42	175889	79.55	ug/l	98
30) Chloroform	7.37	83	274552	20.23	ug/l	99
31) Cyclohexane	7.66	56	229631	18.82	ug/l	# 94
32) 1,1,1-Trichloroethane	7.57	97	234136	20.09	ug/l	99
36) 1,1-Dichloropropene	7.80	75	202493	20.26	ug/l	99
37) Ethyl Acetate	6.93	43	123448	17.15	ug/l	100
38) Carbon Tetrachloride	7.78	117	203776	19.55	ug/l	98

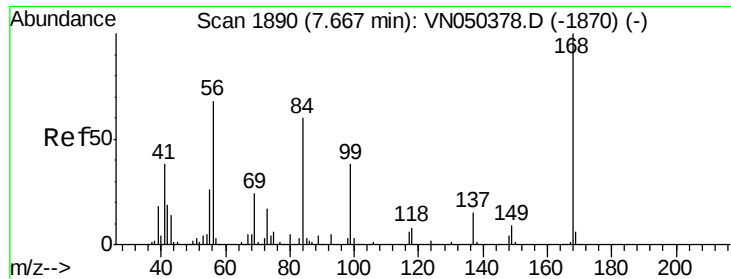
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050562.D
 Acq On : 13 Aug 2018 12:40
 Operator : MD\SY
 Sample : VN0813WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Quant Time: Aug 14 00:57:30 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	203307	18.64	ug/l	98
40) Benzene	8.04	78	622055	20.25	ug/l	99
41) Methacrylonitrile	7.17	41	53328	13.93	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	191312	19.61	ug/l	99
43) Isopropyl Acetate	8.17	43	217761	17.53	ug/l #	87
44) Trichloroethene	8.84	130	162828	19.72	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166015	20.55	ug/l	100
46) Dibromomethane	9.21	93	96758	19.40	ug/l	100
47) Bromodichloromethane	9.40	83	207593	20.09	ug/l	98
48) Methyl methacrylate	9.20	41	105641	16.96	ug/l	98
49) 1,4-Dioxane	9.20	88	27637	287.92	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	748919	83.70	ug/l	99
52) Toluene	10.16	92	377588	20.46	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199146	19.20	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	233759	20.19	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142128	19.73	ug/l	99
56) Ethyl methacrylate	10.43	69	161170	16.98	ug/l	96
57) 1,3-Dichloropropane	10.71	76	228935	19.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	373303	83.61	ug/l	99
59) 2-Hexanone	10.75	43	486360	77.89	ug/l	99
60) Dibromochloromethane	10.90	129	153983	19.40	ug/l	99
61) 1,2-Dibromoethane	11.01	107	133139	18.75	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

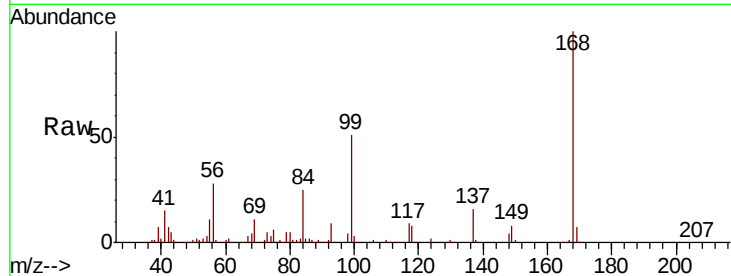
VN0813WBS01

Tot Ion:168 Resp: 623904

Ion Ratio Lower Upper

168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

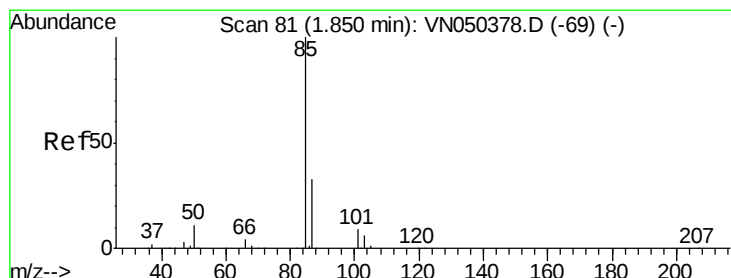
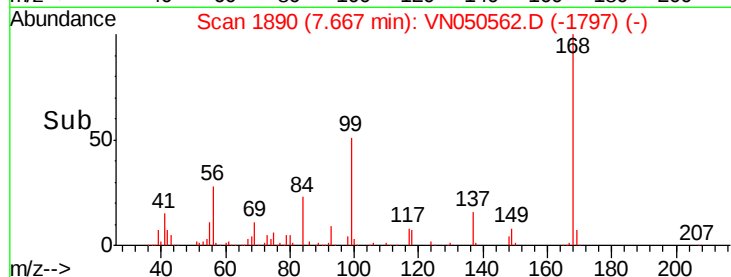
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.44 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050562.D

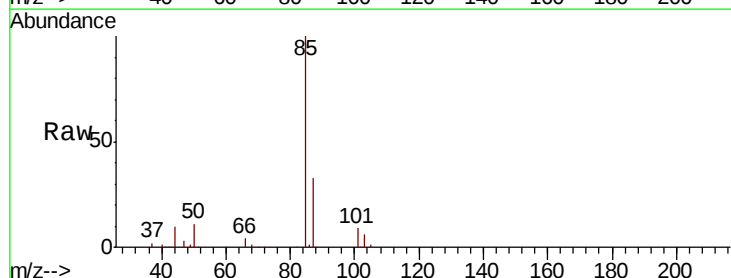
Acq: 13 Aug 2018 12:40

Tgt Ion: 85 Resp: 127701

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

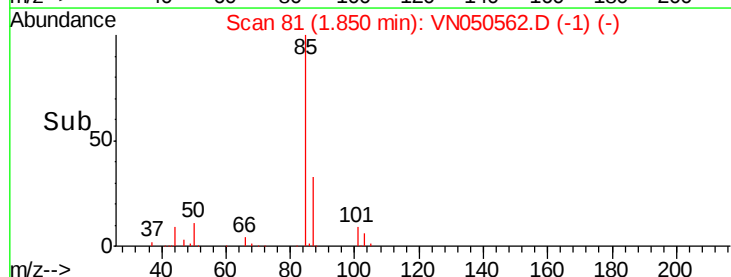
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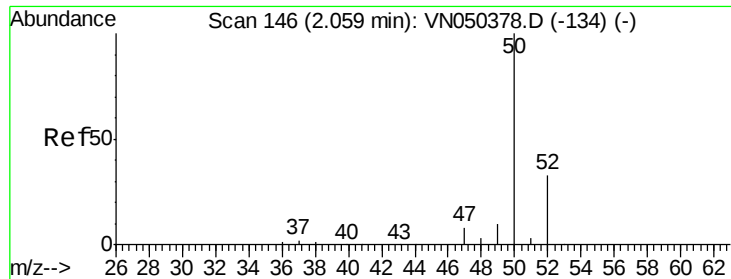
40000

20000

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Time-->

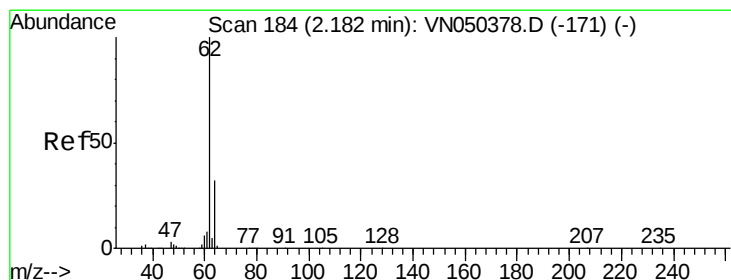
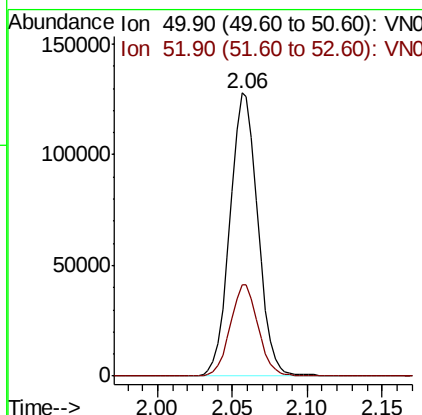
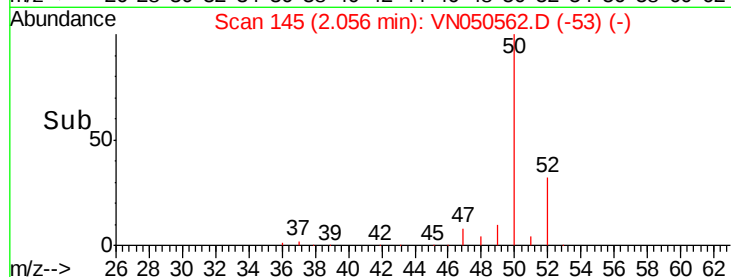
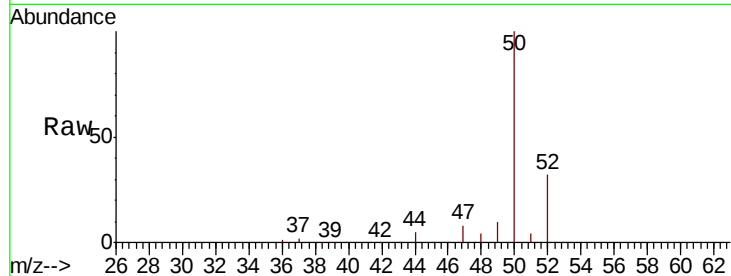




#3
Chloromethane
Concen: 19.45 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

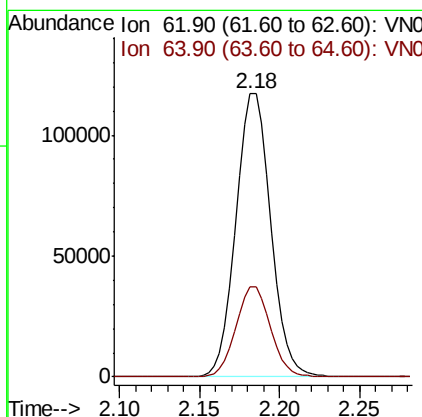
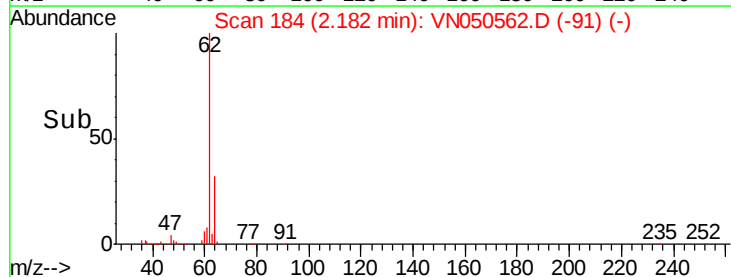
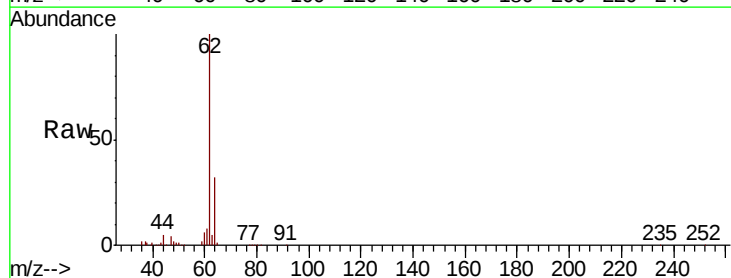
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

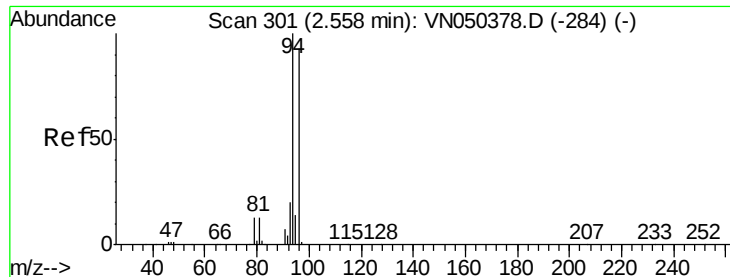
Tot Ion: 50 Resp: 166498
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9



#4
Vinyl Chloride
Concen: 19.30 ug/l
RT: 2.18 min Scan# 184
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 62 Resp: 172971
Ion Ratio Lower Upper
62 100
64 32.0 24.7 37.1





#5

Bromomethane

Concen: 21.84 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

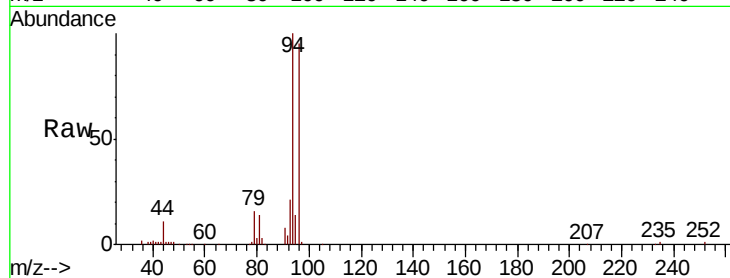
VN0813WBS01

Tot Ion: 94 Resp: 94524

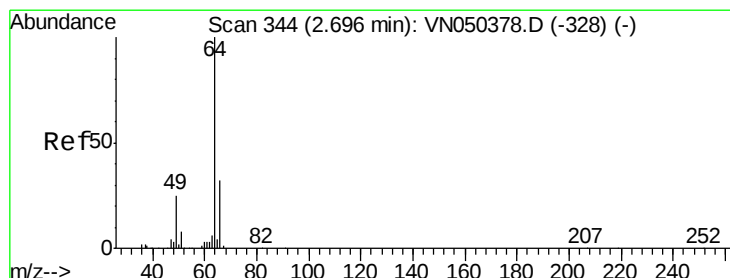
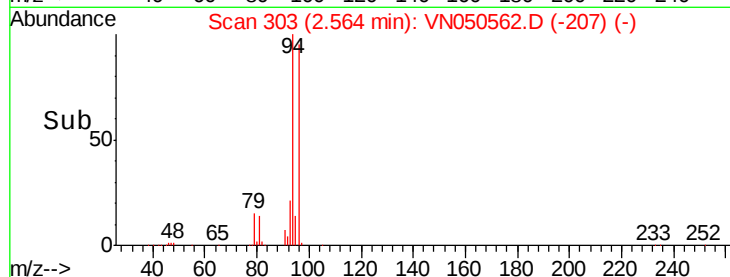
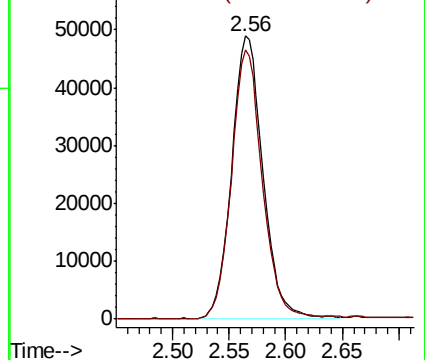
Ion Ratio Lower Upper

94 100

96 95.0 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: 19.11 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050562.D

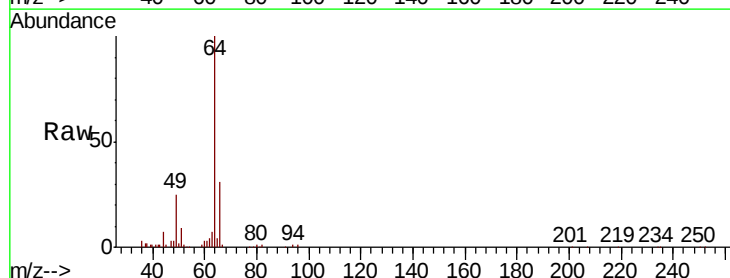
Acq: 13 Aug 2018 12:40

Tgt Ion: 64 Resp: 105549

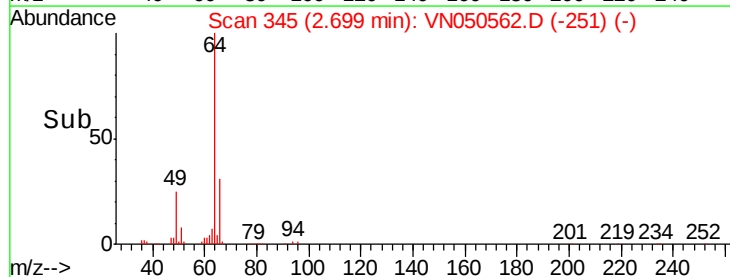
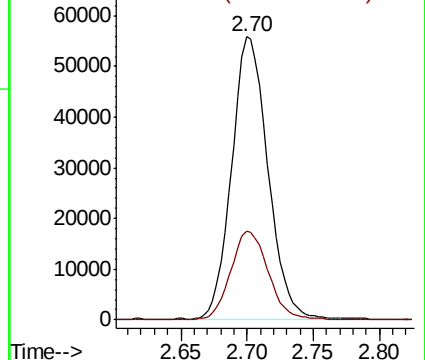
Ion Ratio Lower Upper

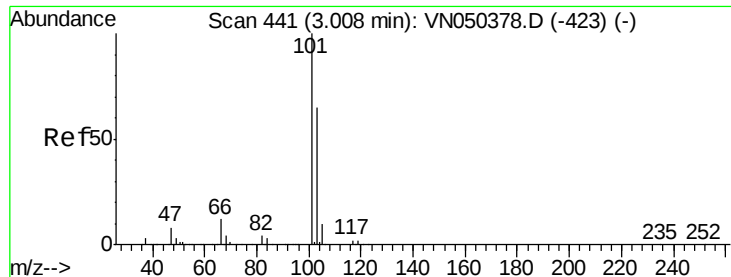
64 100

66 31.3 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: 19.97 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

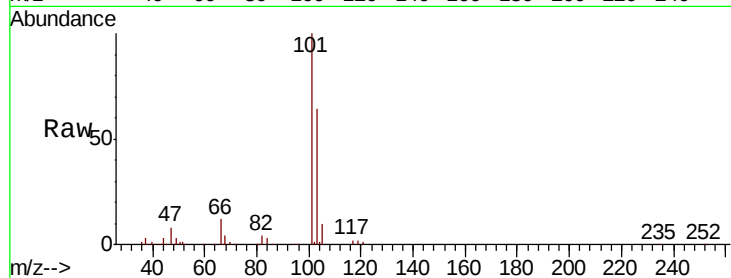
VN0813WBS01

Tot Ion:101 Resp: 231242

Ion Ratio Lower Upper

101 100

103 63.9 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

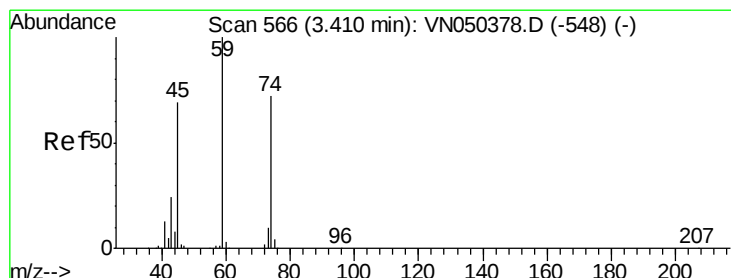
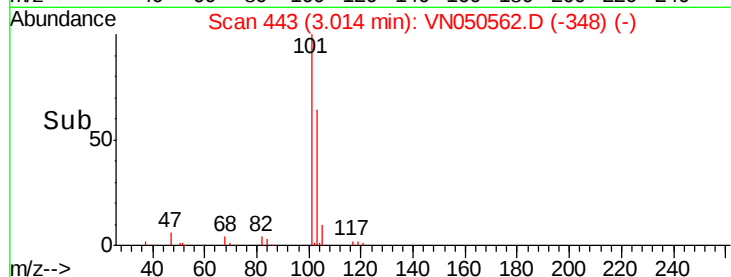
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 18.61 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050562.D

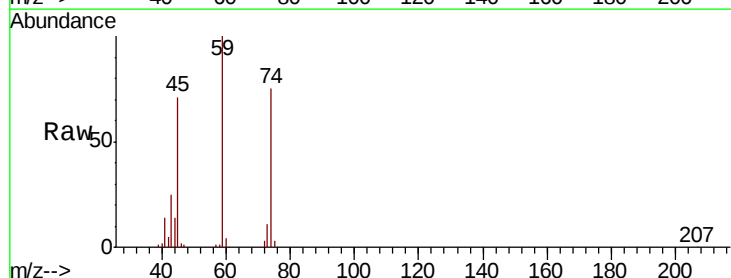
Acq: 13 Aug 2018 12:40

Tgt Ion: 74 Resp: 79003

Ion Ratio Lower Upper

74 100

45 99.3 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

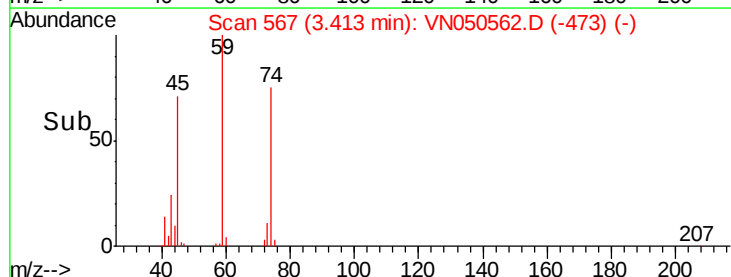
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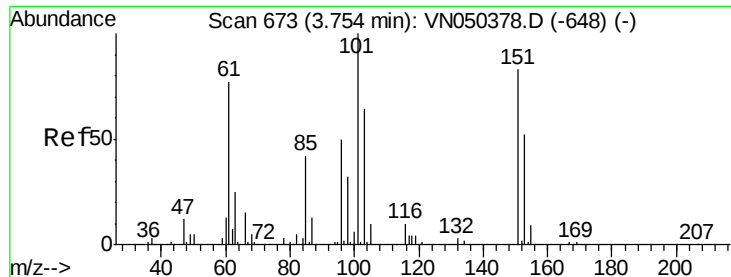
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.12 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

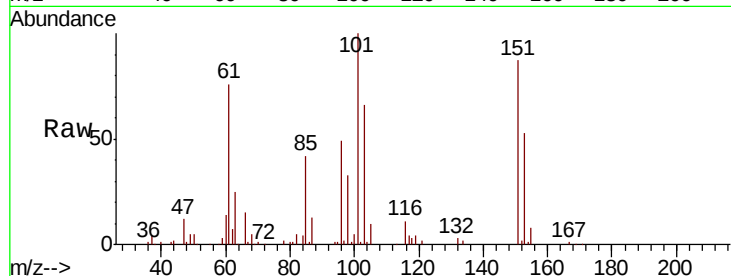
Tot Ion:101 Resp: 143944

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

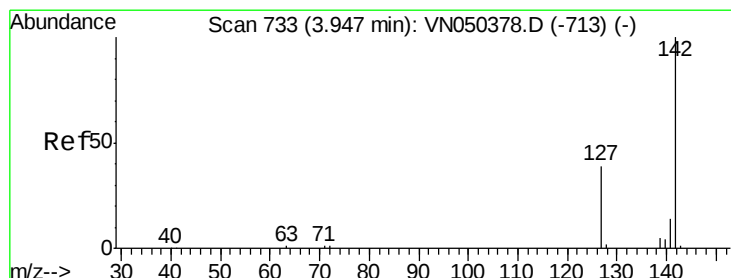
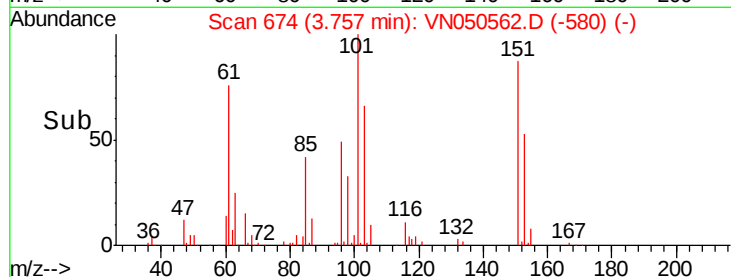
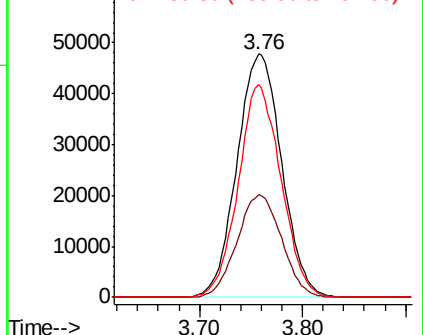
151 83.7 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.14 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

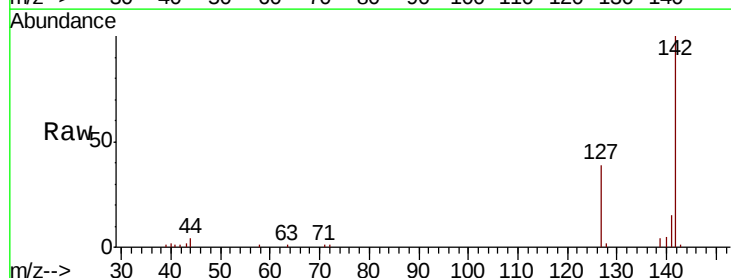
Tgt Ion:142 Resp: 72949

Ion Ratio Lower Upper

142 100

127 41.0 33.4 50.2

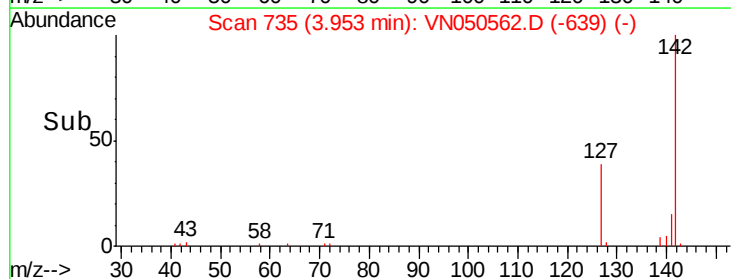
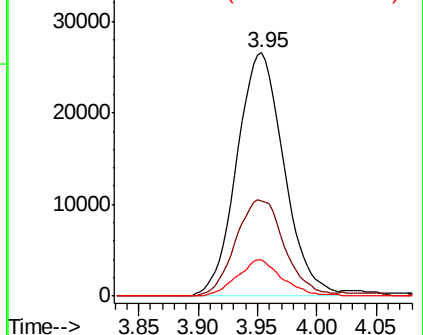
141 14.3 11.6 17.4

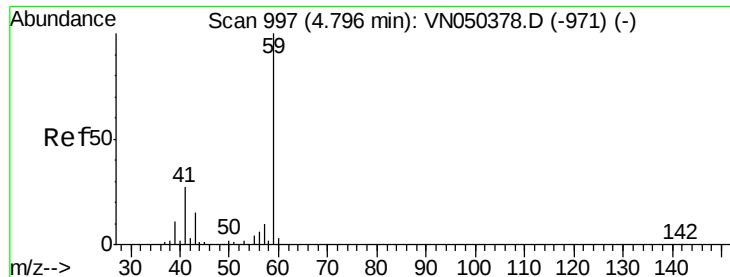


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

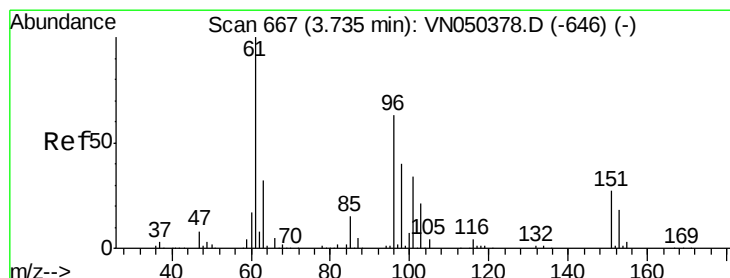
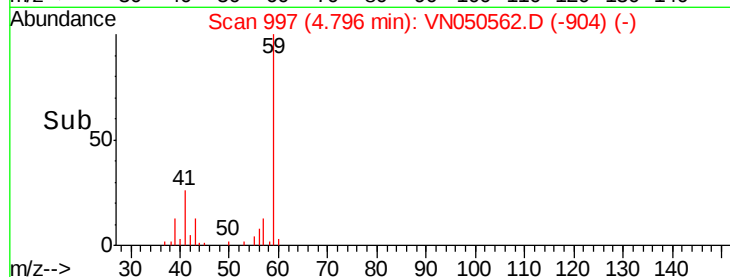
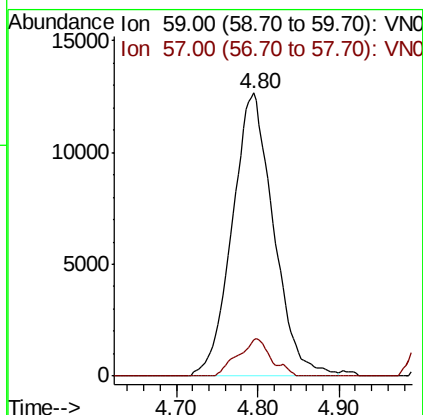
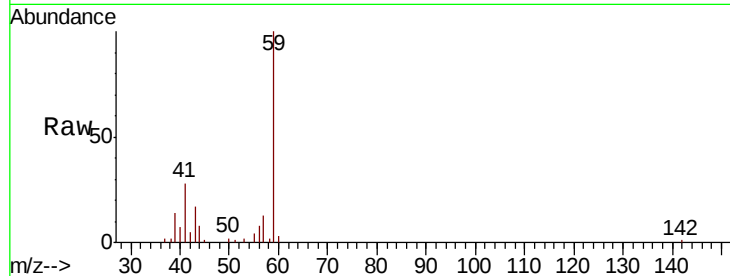




#11
Tert butyl alcohol
Concen: 66.54 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

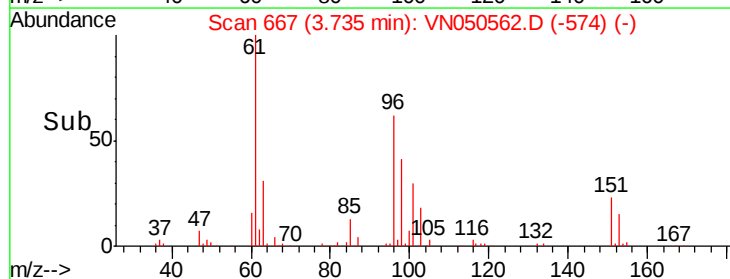
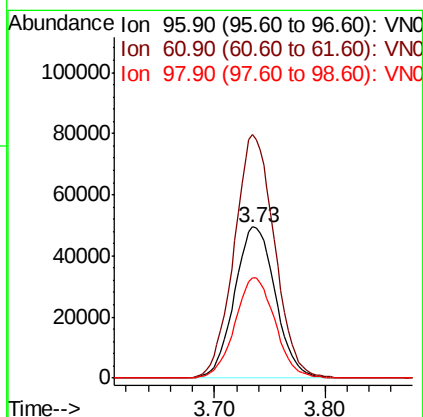
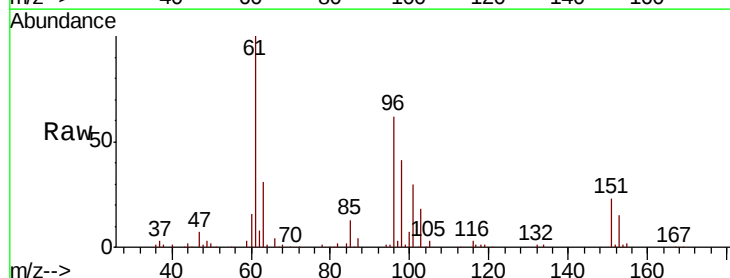
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

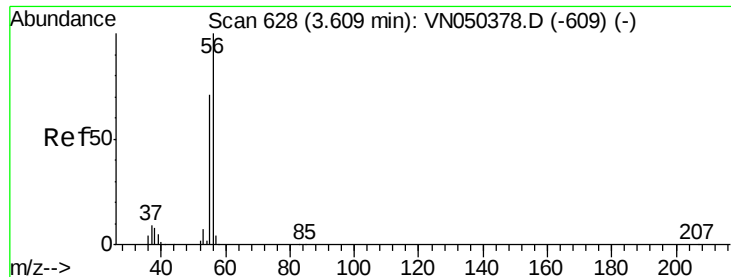
Tot Ion: 59 Resp: 44560
Ion Ratio Lower Upper
59 100
57 9.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.85 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 96 Resp: 127169
Ion Ratio Lower Upper
96 100
61 161.1 124.4 186.6
98 66.4 48.3 72.5





#13

Acrolein

Concen: 49.44 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

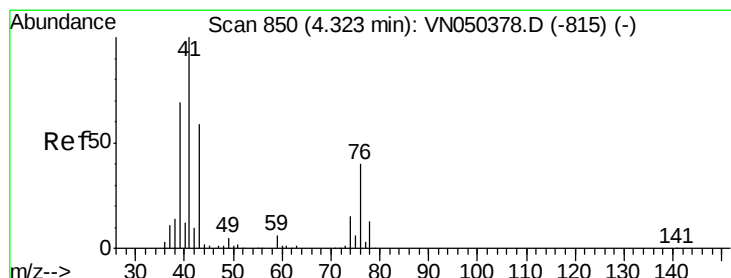
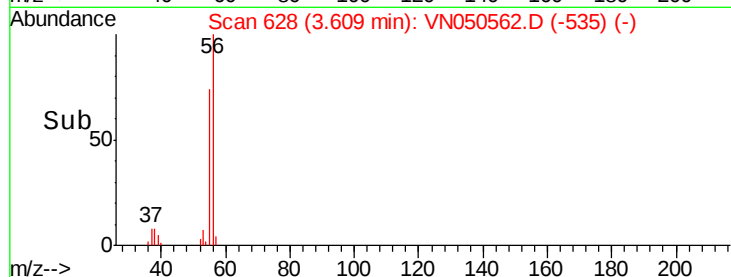
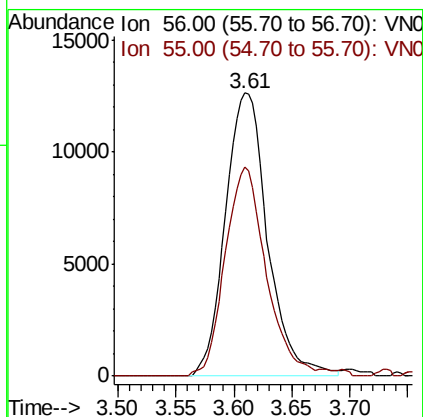
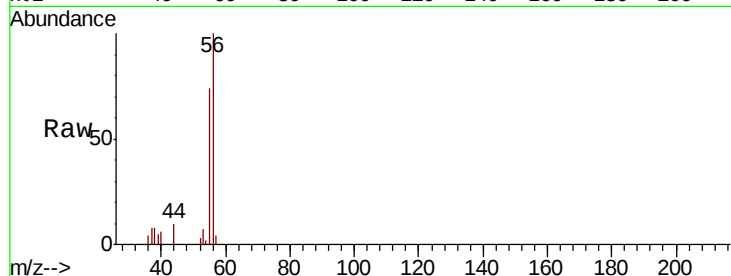
VN0813WBS01

Tot Ion: 56 Resp: 31902

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.6



#14

Allyl chloride

Concen: 18.81 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

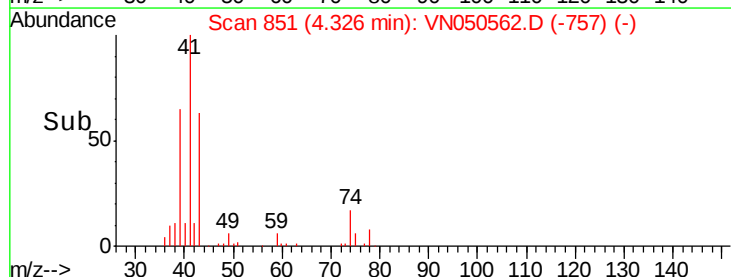
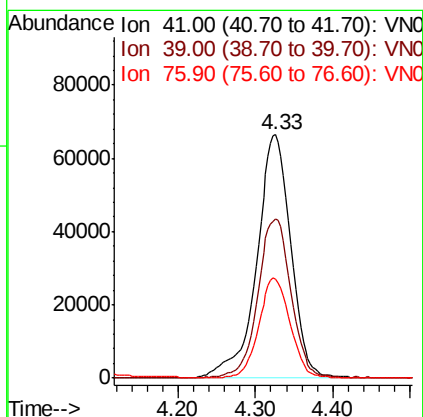
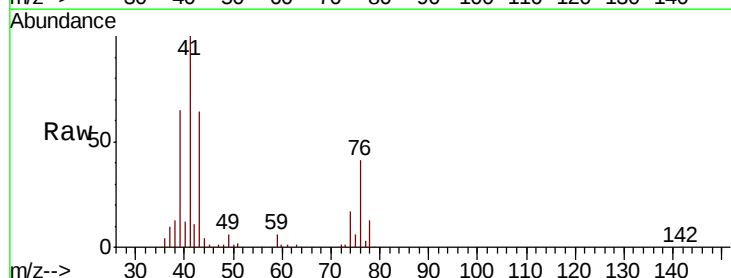
Tgt Ion: 41 Resp: 203801

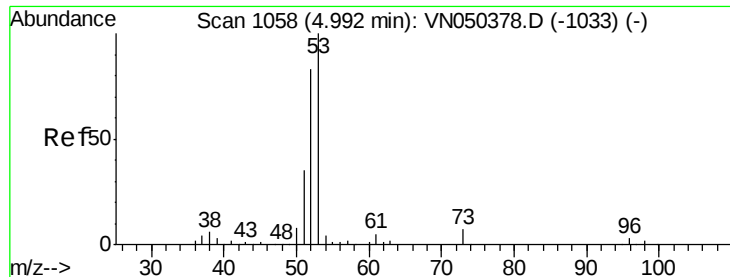
Ion Ratio Lower Upper

41 100

39 64.0 54.2 81.4

76 37.9 29.0 43.6





#15

Acrylonitrile

Concen: 84.97 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

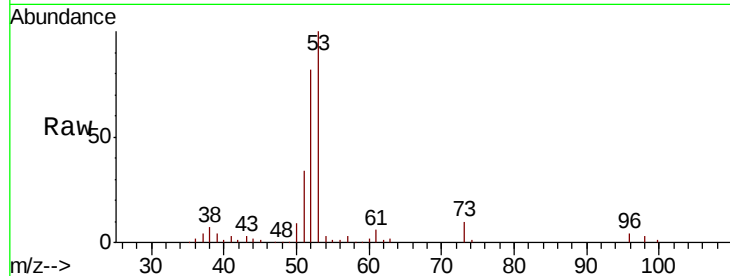
Tot Ion: 53 Resp: 238345

Ion Ratio Lower Upper

53 100

52 80.5 66.2 99.2

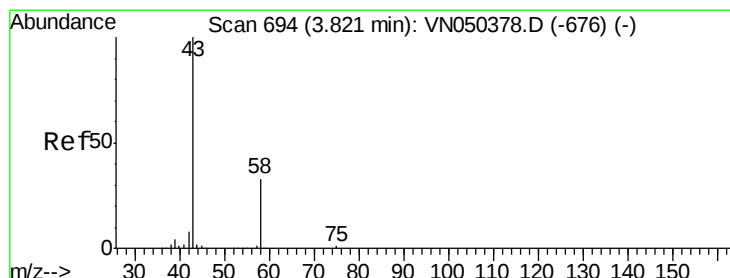
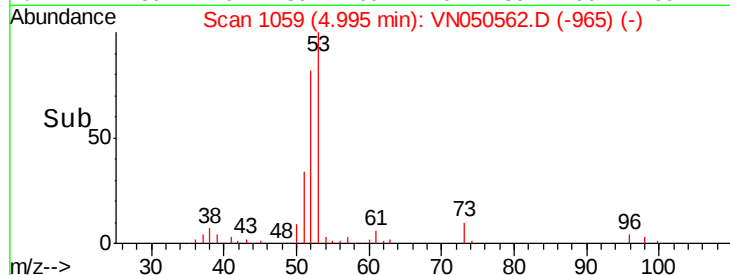
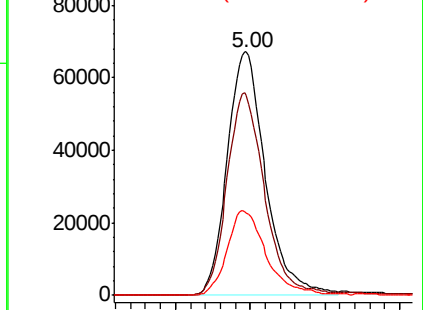
51 35.5 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 83.70 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050562.D

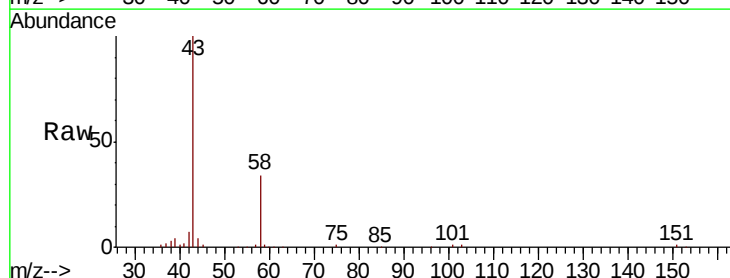
Acq: 13 Aug 2018 12:40

Tgt Ion: 43 Resp: 208664

Ion Ratio Lower Upper

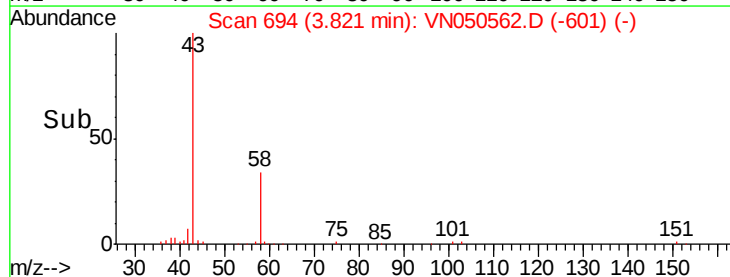
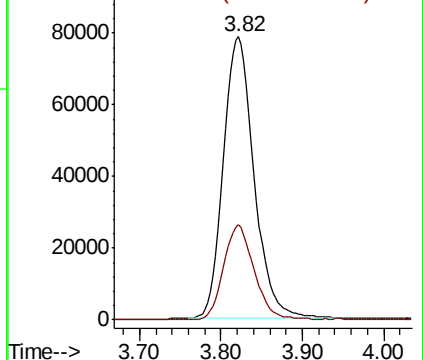
43 100

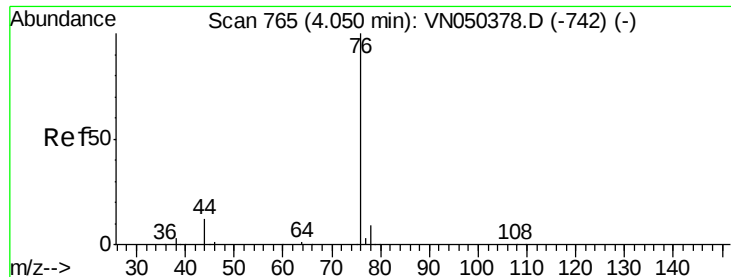
58 33.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

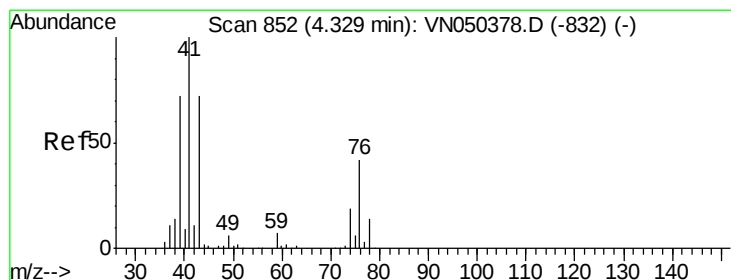
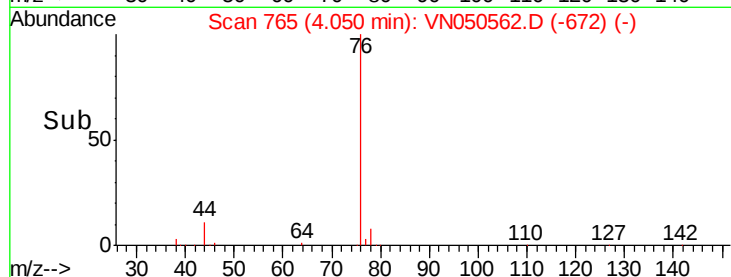
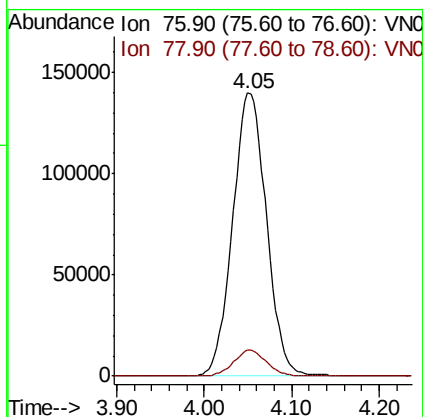
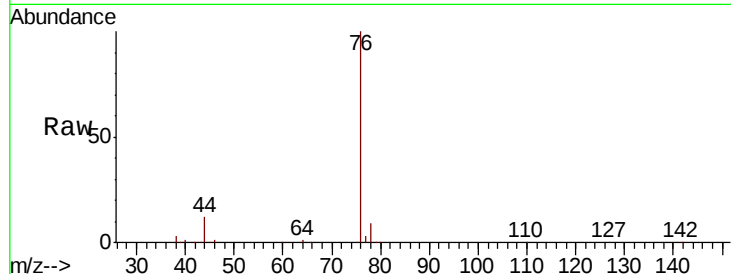




#17
Carbon Disulfide
Concen: 17.10 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

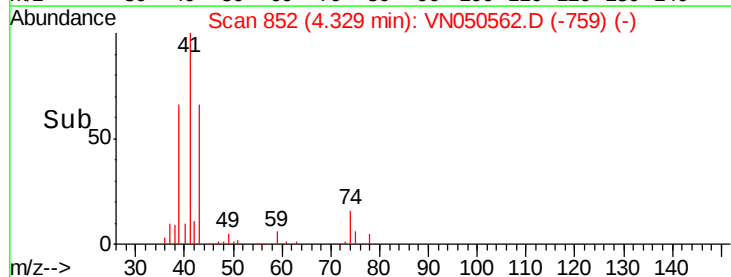
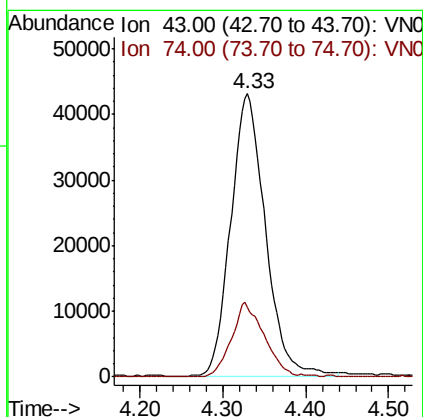
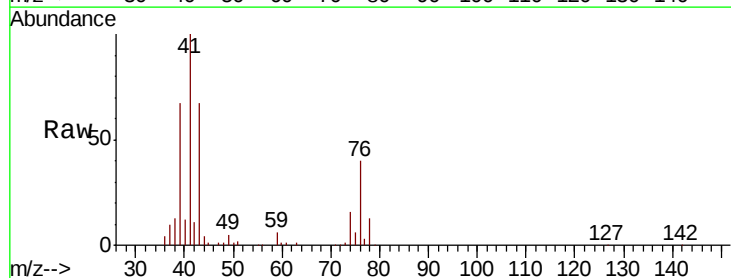
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

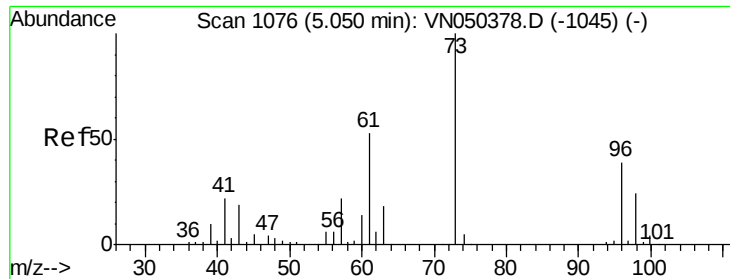
Tot Ion: 76 Resp: 375079
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 19.45 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 43 Resp: 126398
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8

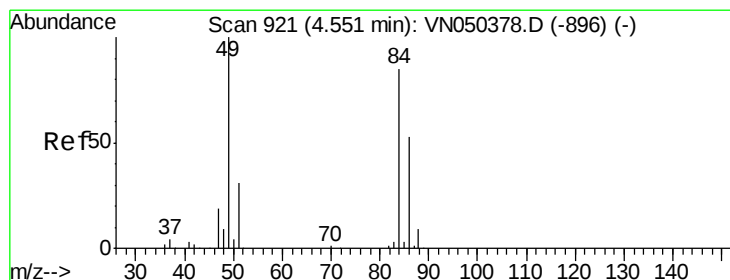
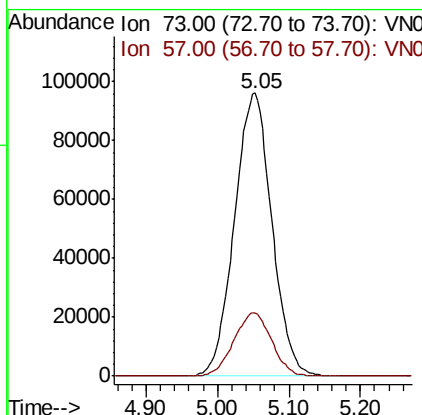
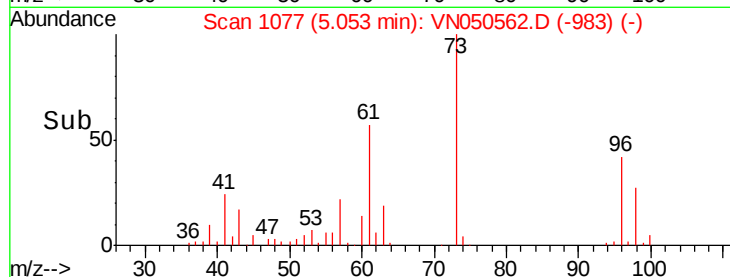
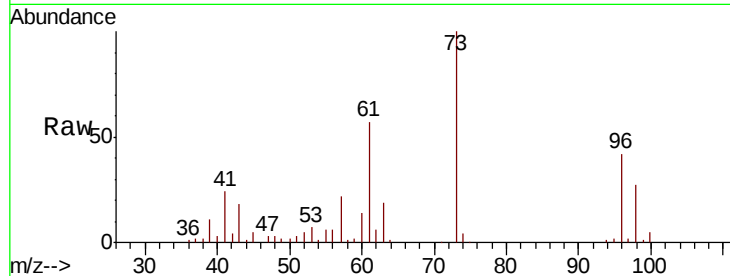




#19
Methyl tert-butyl Ether
Concen: 18.29 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

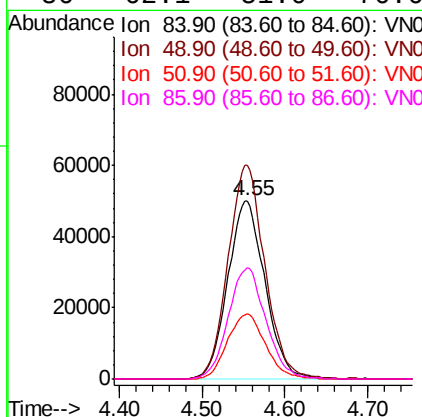
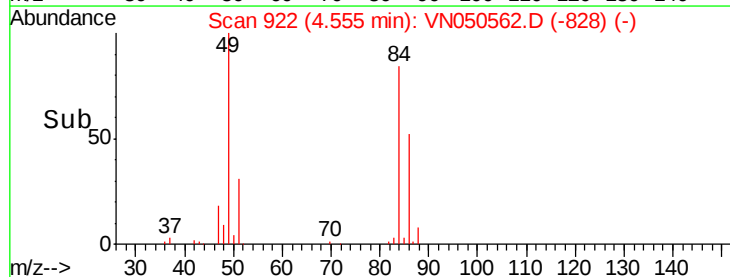
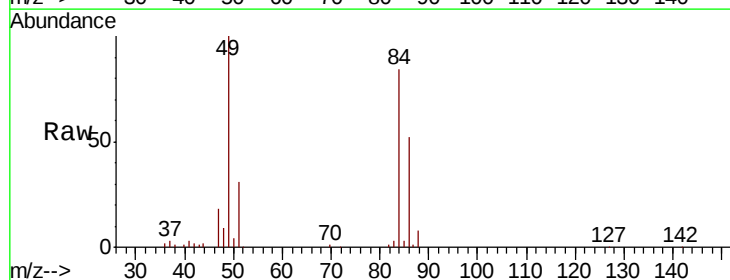
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

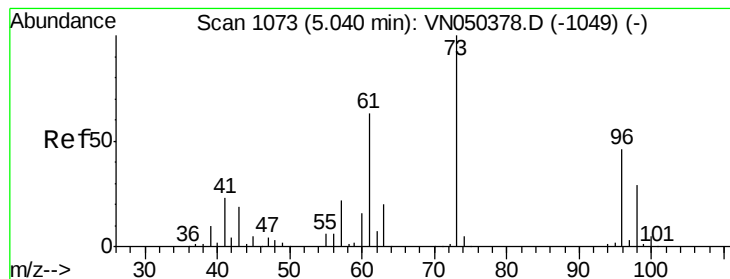
Tot Ion: 73 Resp: 350090
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0



#20
Methylene Chloride
Concen: 19.60 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 84 Resp: 156151
Ion Ratio Lower Upper
84 100
49 119.6 94.8 142.2
51 36.5 28.3 42.5
86 62.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.00 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

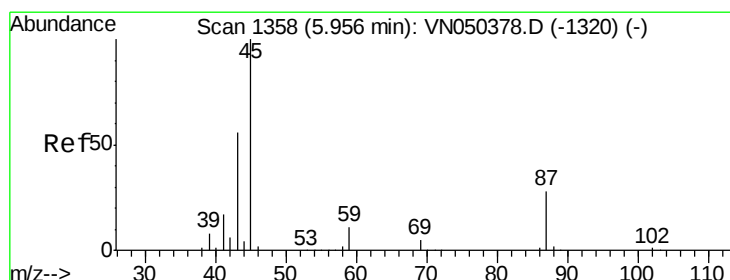
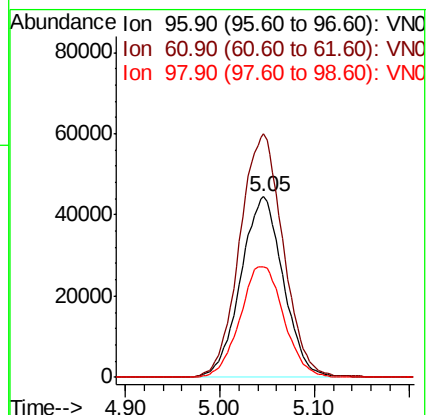
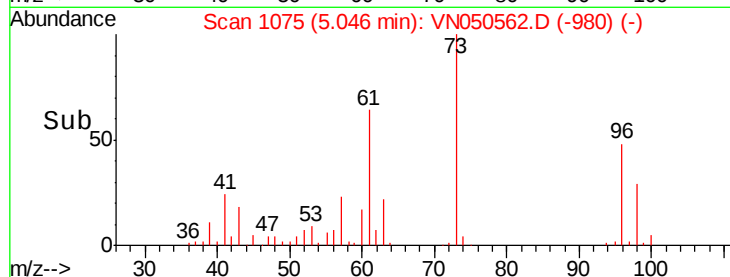
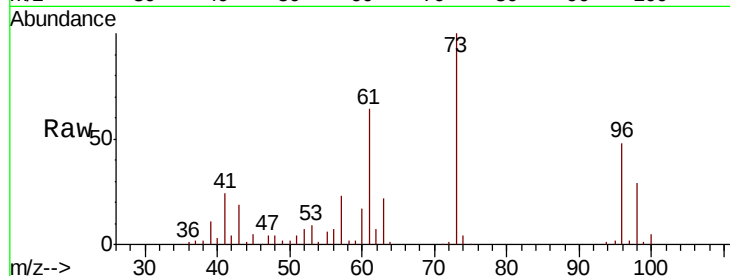
Tot Ion: 96 Resp: 138700

Ion Ratio Lower Upper

96 100

61 134.9 110.7 166.1

98 61.1 51.6 77.4



#22

Diisopropyl ether

Concen: 20.51 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion: 45 Resp: 453933

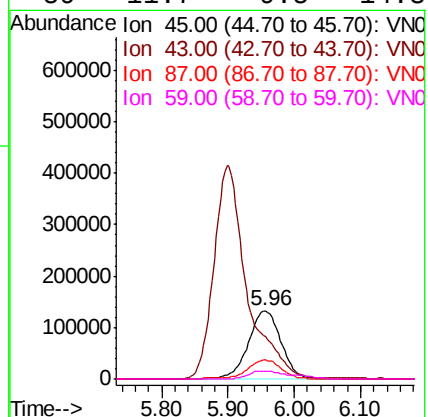
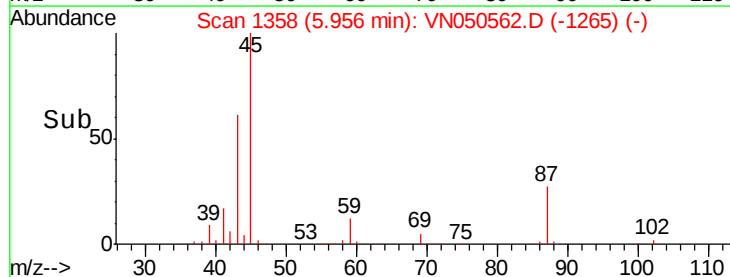
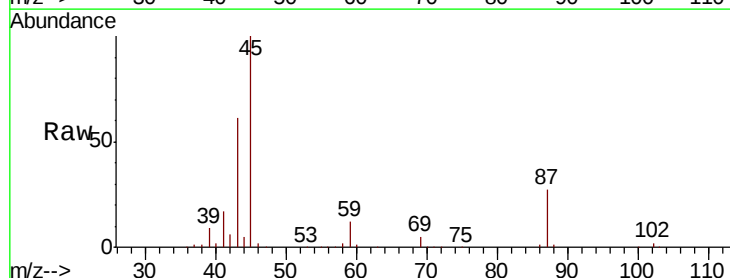
Ion Ratio Lower Upper

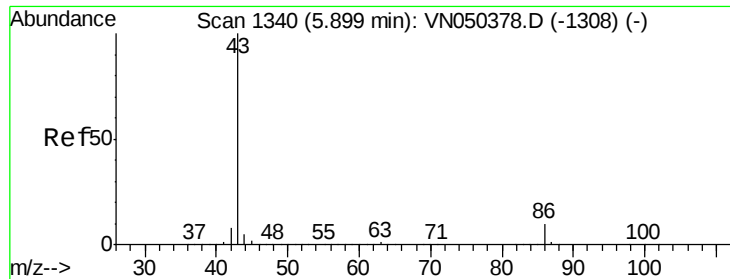
45 100

43 60.2 45.7 68.5

87 27.2 22.7 34.1

59 11.7 9.5 14.3

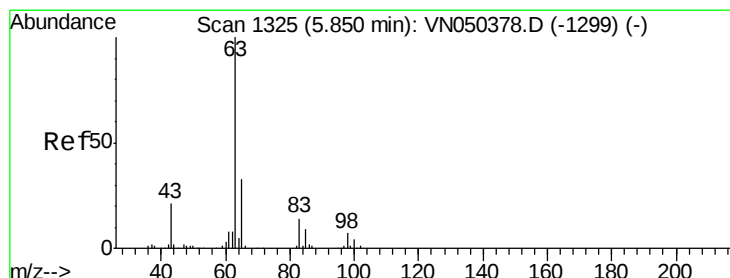
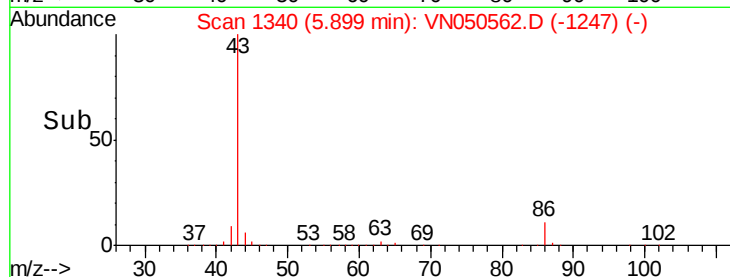
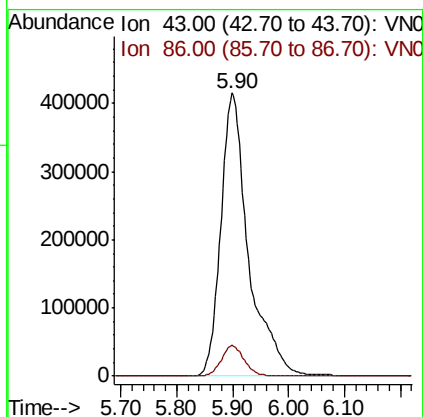
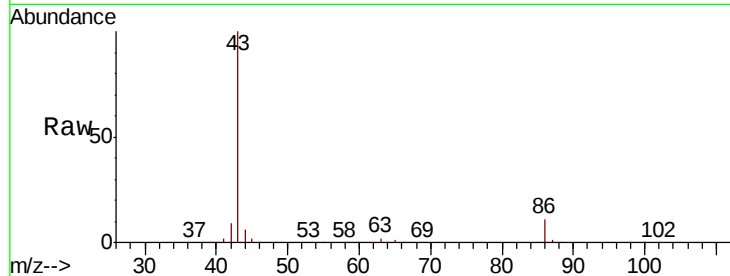




#23
 Vinyl Acetate
 Concen: 91.16 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

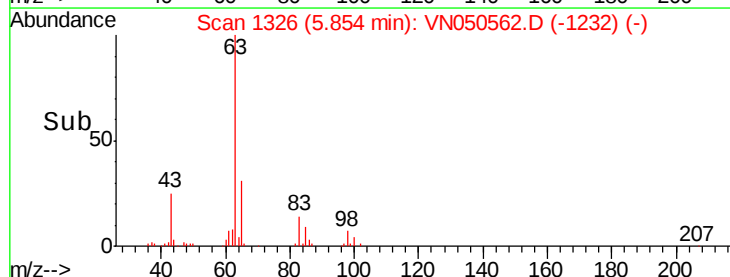
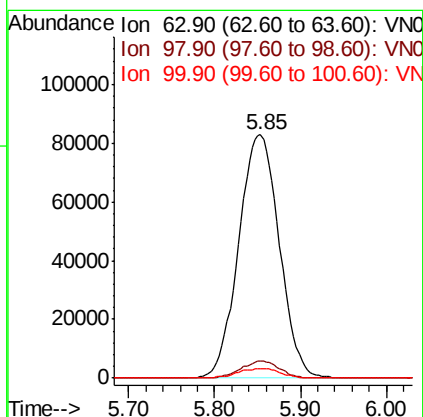
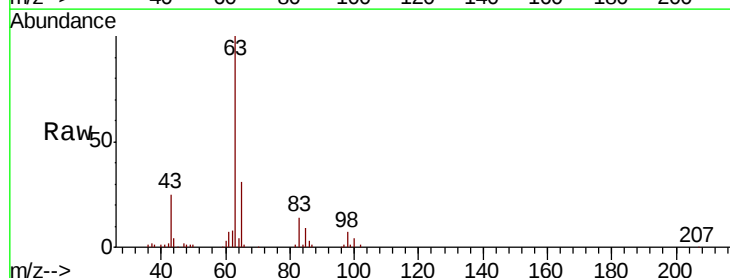
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

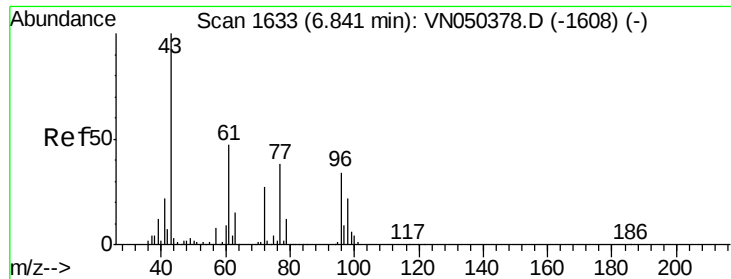
Tot Ion: 43 Resp: 1439263
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.01 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 63 Resp: 271687
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.0 2.1 6.3

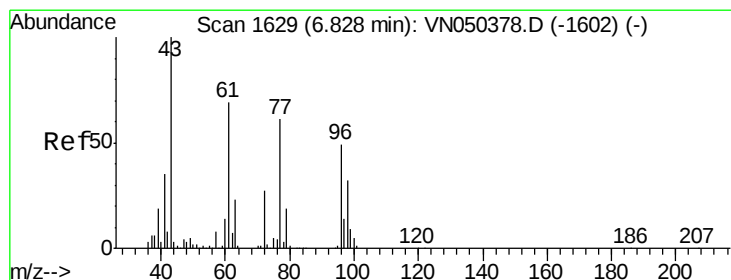
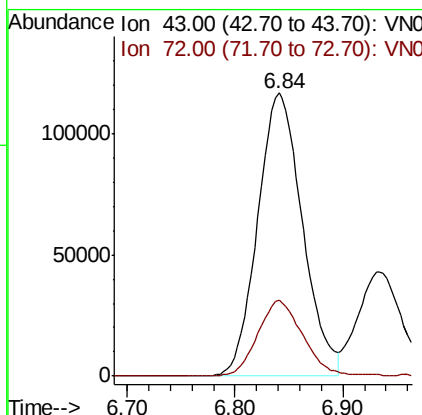
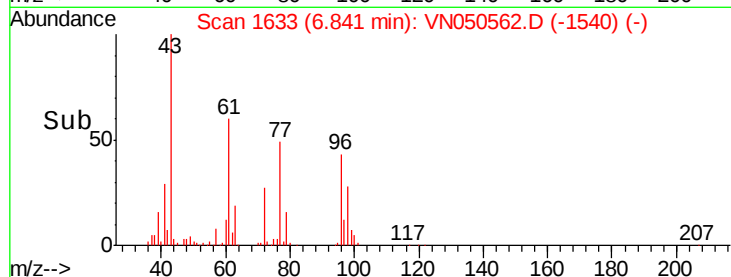
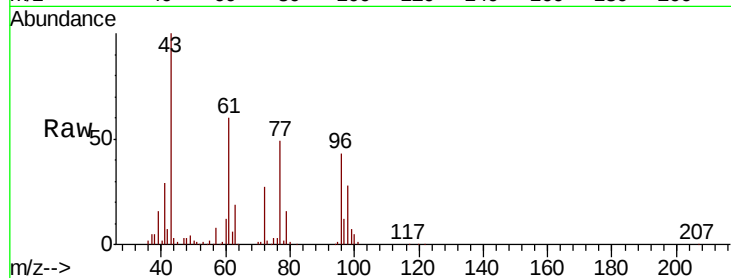




#25
2-Butanone
Concen: 81.08 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

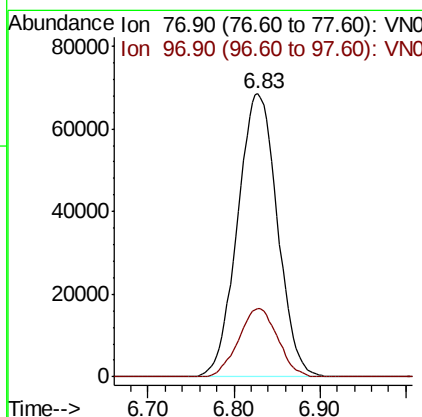
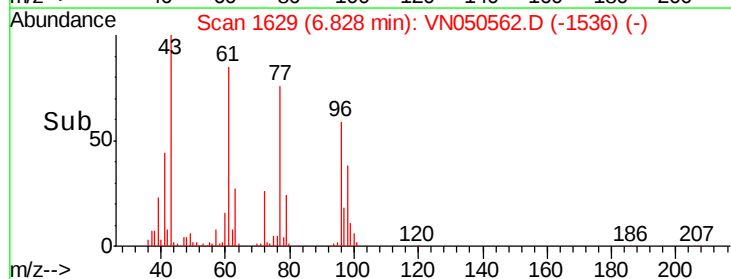
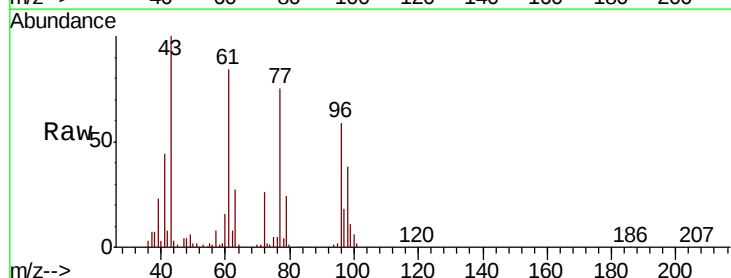
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

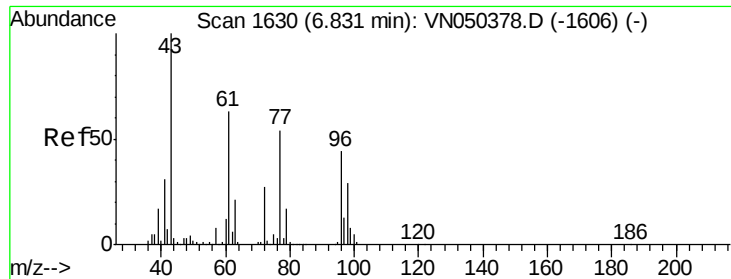
Tot Ion: 43 Resp: 334913
Ion Ratio Lower Upper
43 100
72 26.7 21.5 32.3



#26
2,2-Dichloropropane
Concen: 19.70 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 77 Resp: 220463
Ion Ratio Lower Upper
77 100
97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.77 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

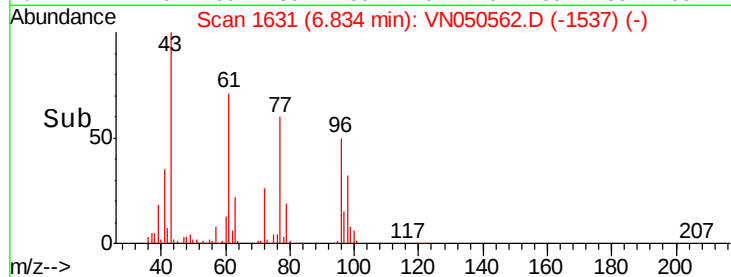
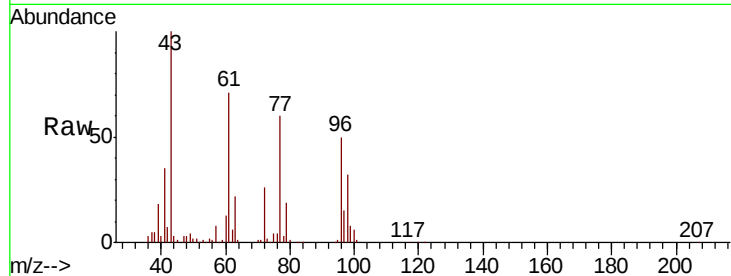
Tot Ion: 96 Resp: 159978

Ion Ratio Lower Upper

96 100

61 143.3 0.0 285.0

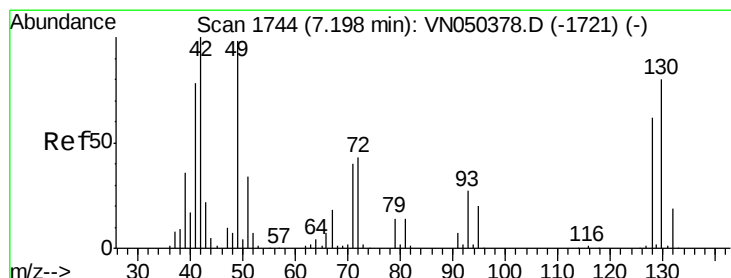
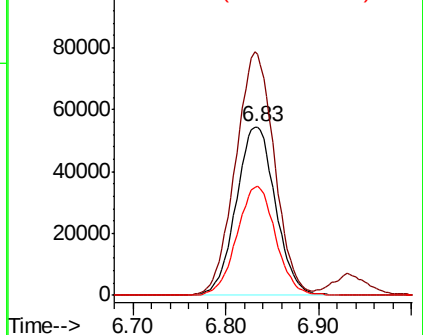
98 63.9 0.0 129.2



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: 19.34 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

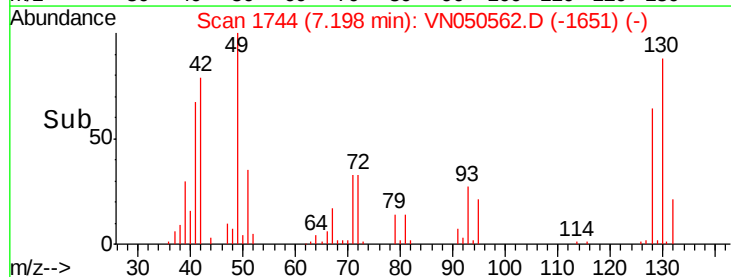
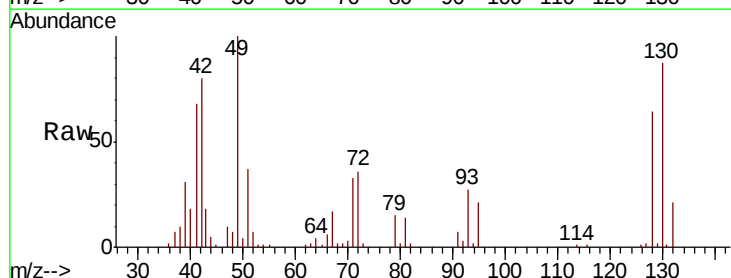
Tgt Ion: 49 Resp: 120855

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

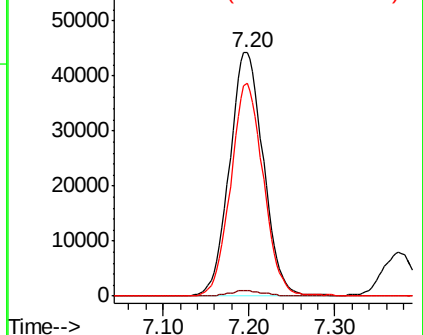
130 83.9 66.3 99.5

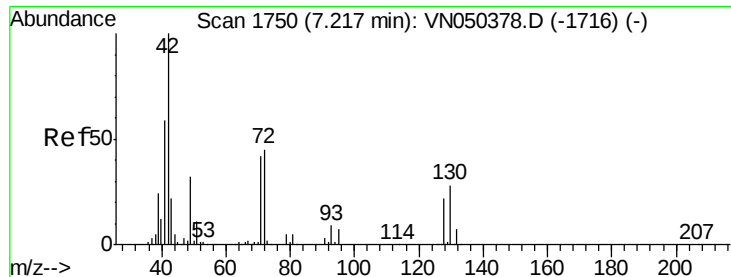


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 79.55 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

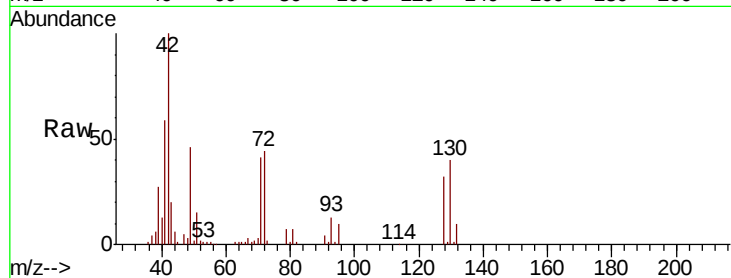
Tot Ion: 42 Resp: 175889

Ion Ratio Lower Upper

42 100

72 43.0 35.9 53.9

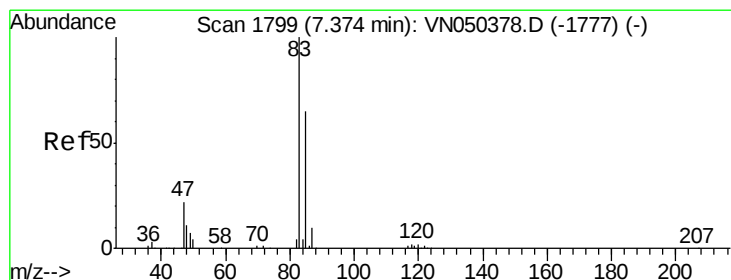
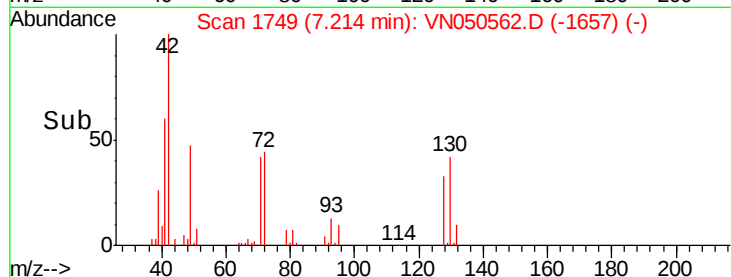
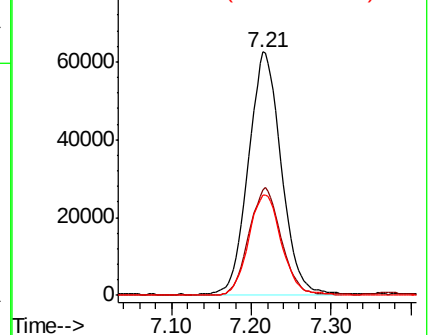
71 41.0 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.23 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050562.D

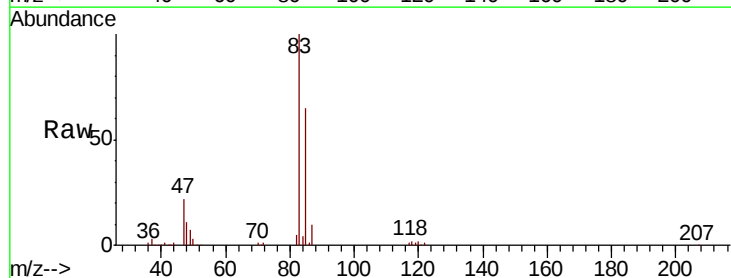
Acq: 13 Aug 2018 12:40

Tgt Ion: 83 Resp: 274552

Ion Ratio Lower Upper

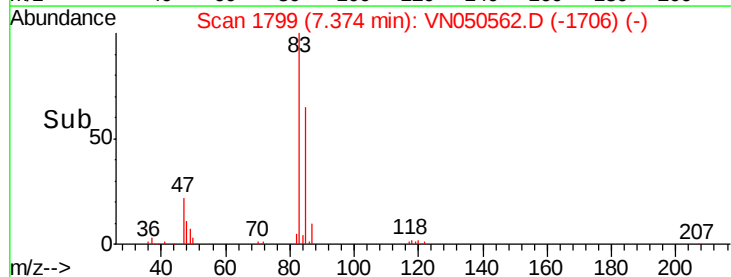
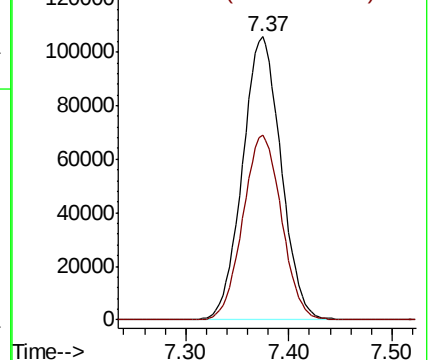
83 100

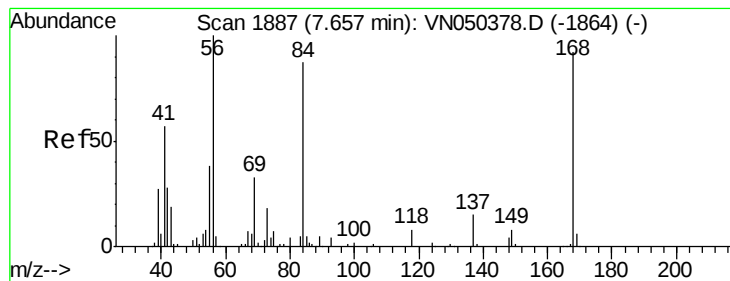
85 65.1 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0813WBS01

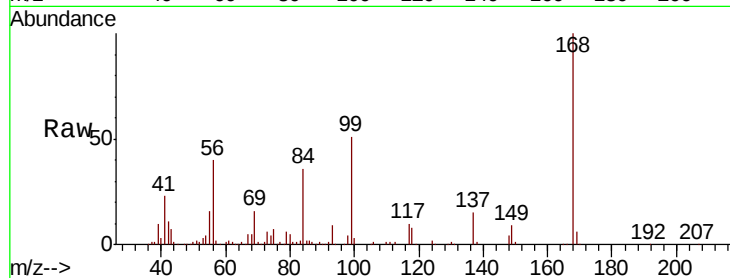
Tot Ion: 56 Resp: 229631

Ion Ratio Lower Upper

56 100

69 39.4 26.2 39.4#

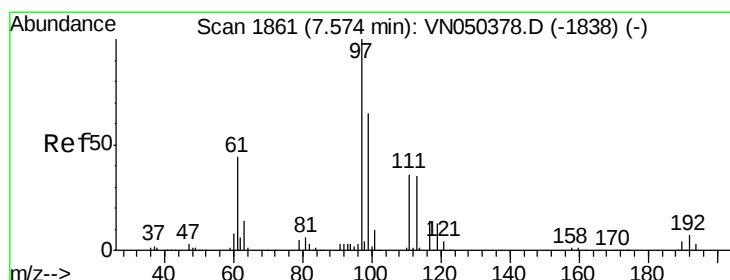
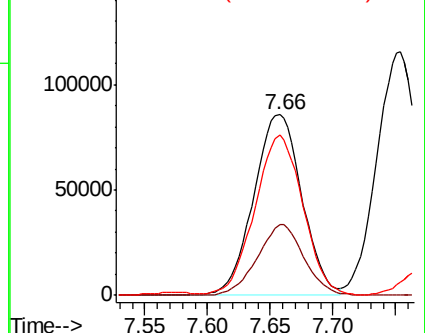
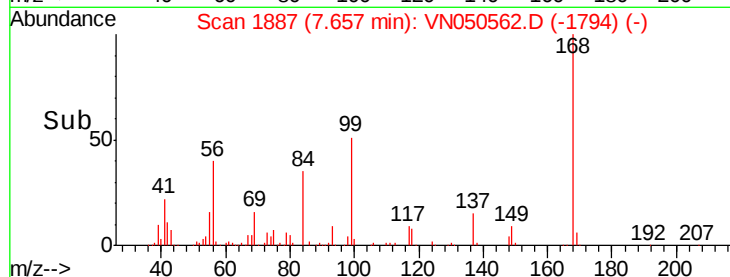
84 87.8 67.4 101.0



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: 20.09 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

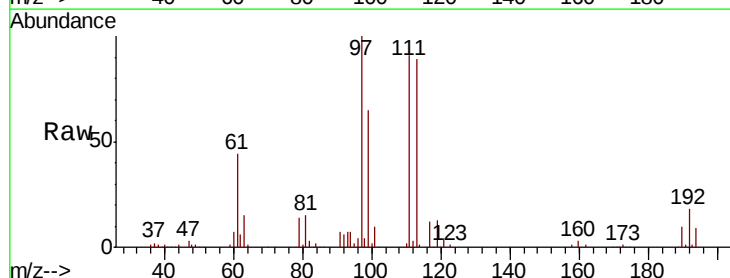
Tgt Ion: 97 Resp: 234136

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

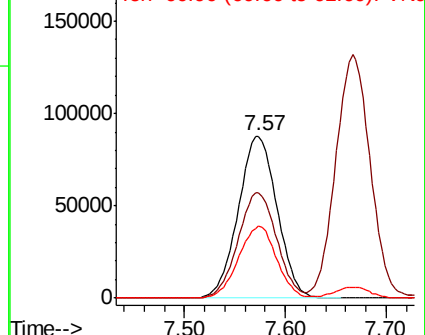
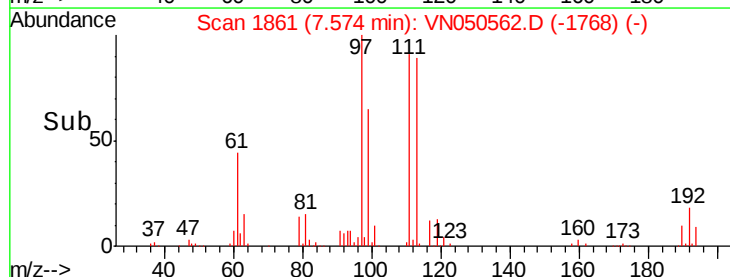
61 43.4 35.4 53.0

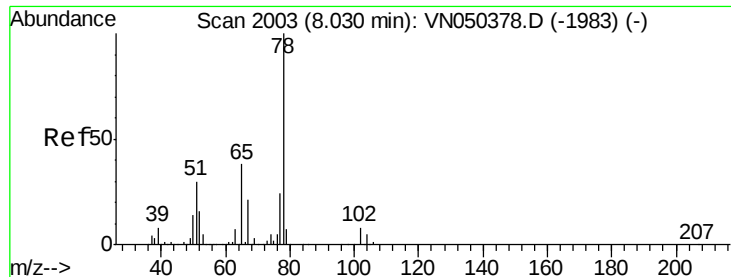


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

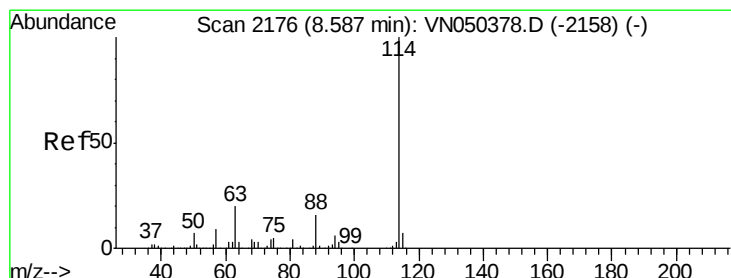
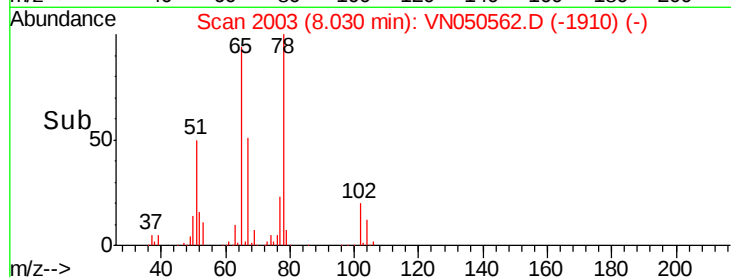
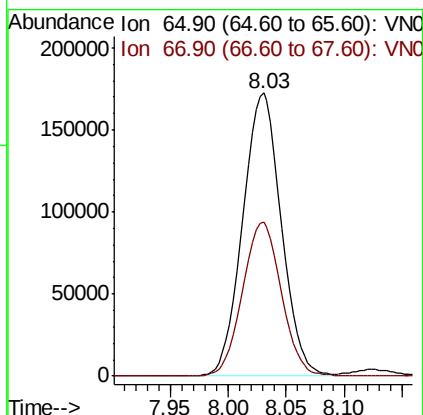
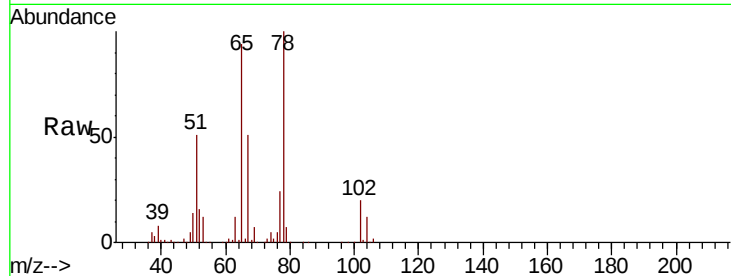




#33
 1,2-Dichloroethane-d4
 Concen: 47.99 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

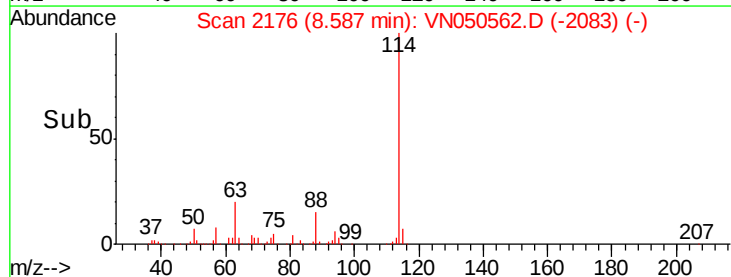
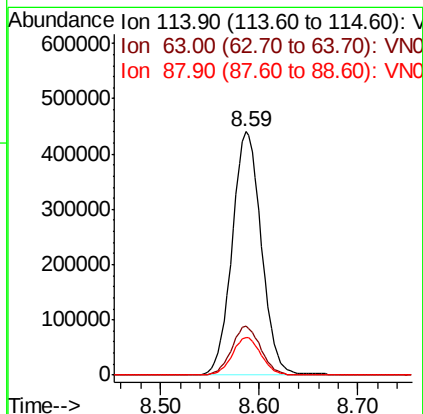
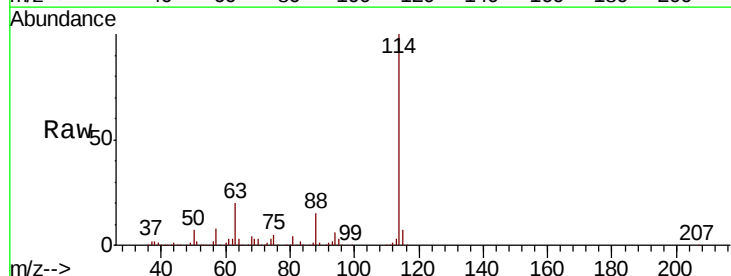
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

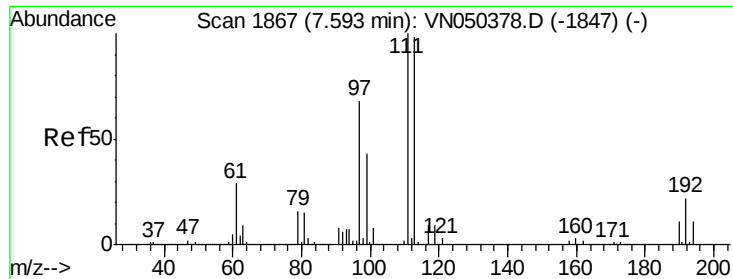
Tot Ion: 65 Resp: 400035
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 114 Resp: 909595
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.2

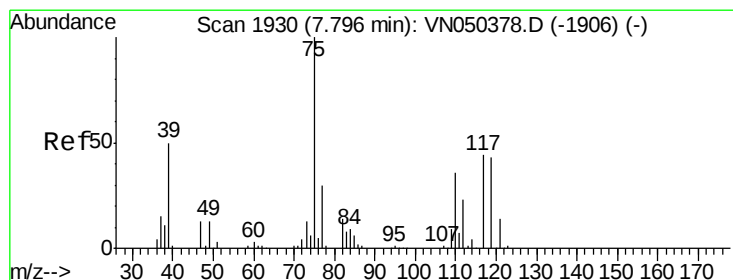
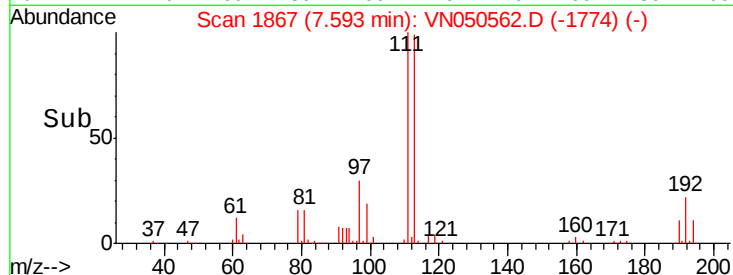
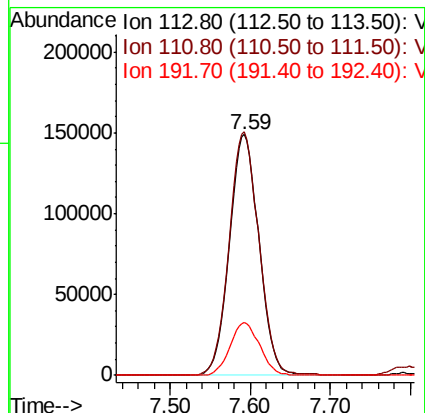
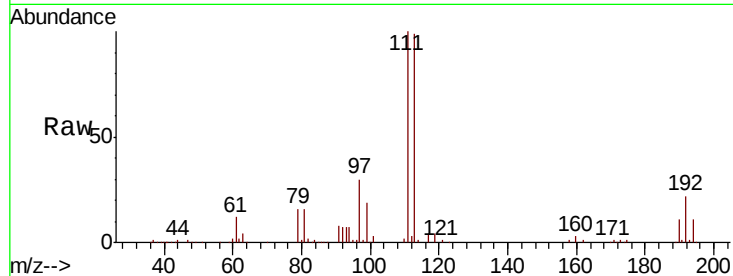




#35
 Dibromofluoromethane
 Concen: 51.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

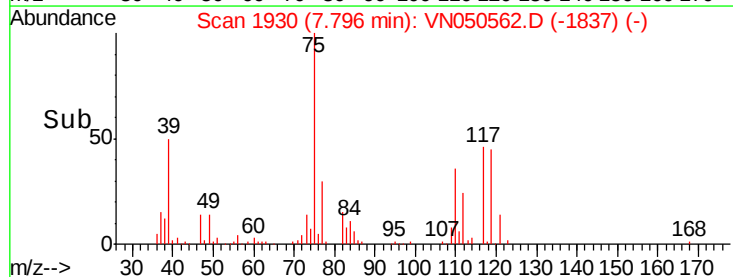
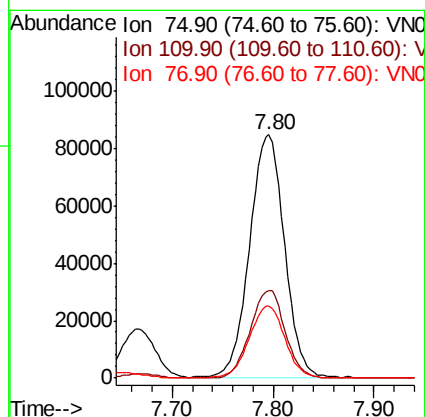
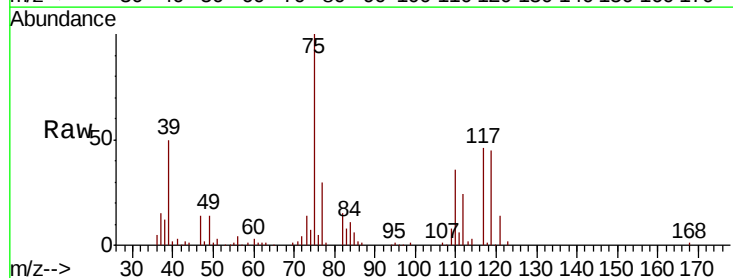
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

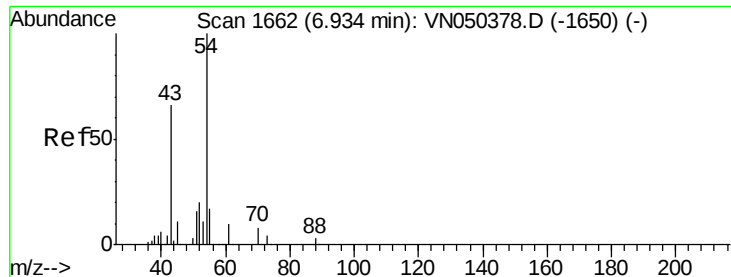
Tot Ion:113 Resp: 374518
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.26 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 75 Resp: 202493
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.4 55.2
 77 30.6 25.3 37.9

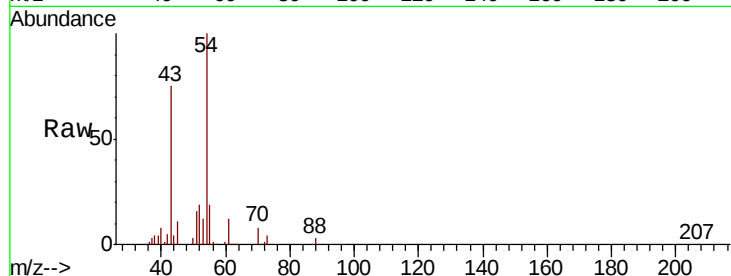




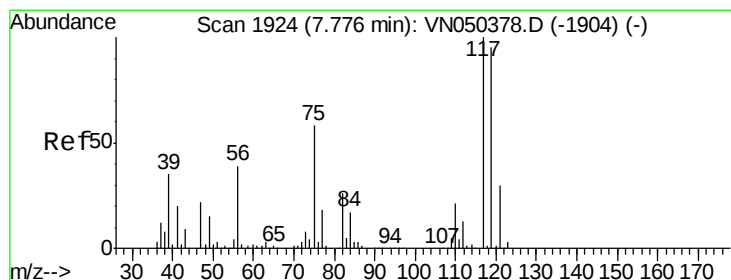
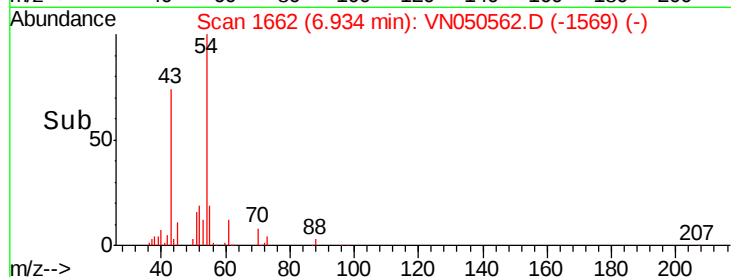
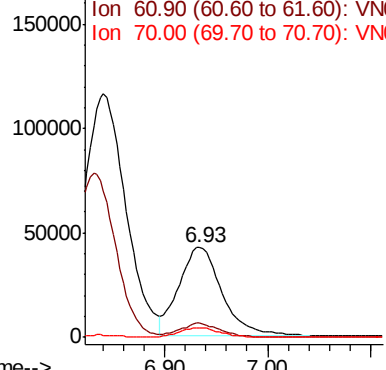
#37
Ethyl Acetate
Concen: 17.15 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion: 43 Resp: 123448
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.4 8.4 12.6

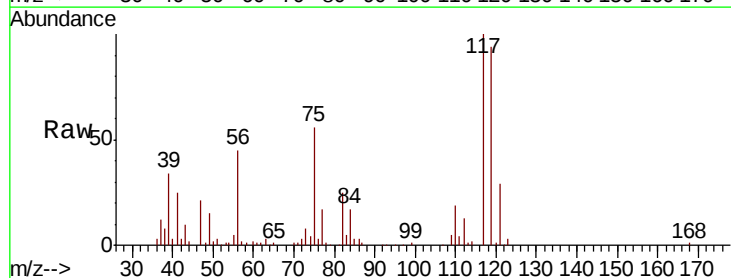


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

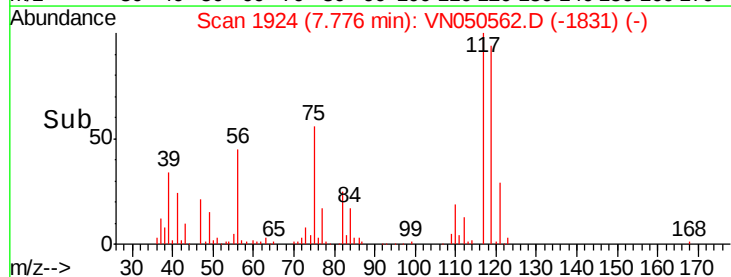
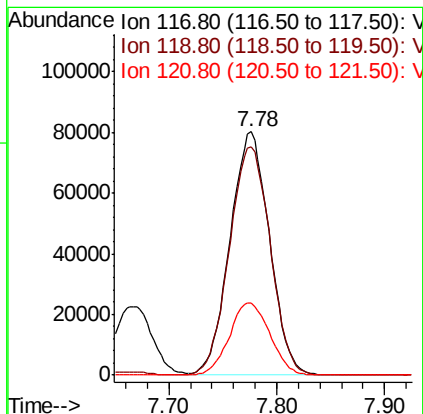


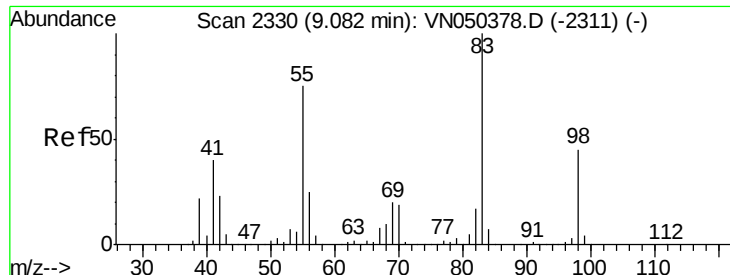
#38
Carbon Tetrachloride
Concen: 19.55 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 117 Resp: 203776
Ion Ratio Lower Upper
117 100
119 94.0 77.4 116.0
121 29.4 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

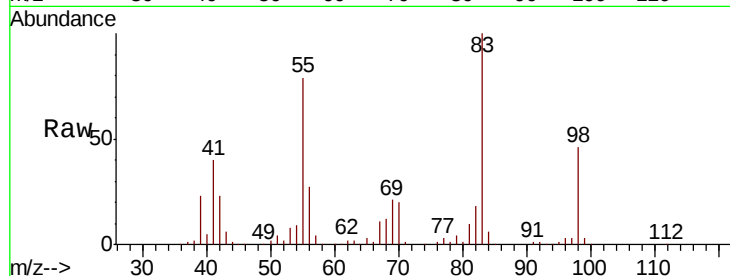




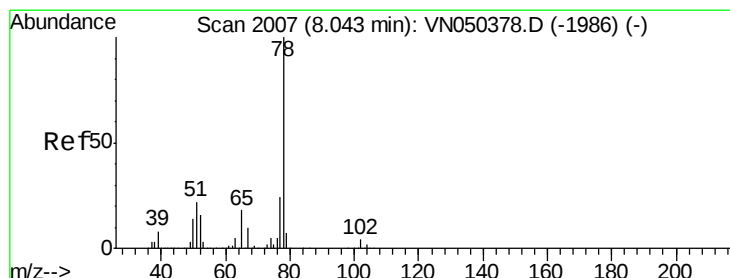
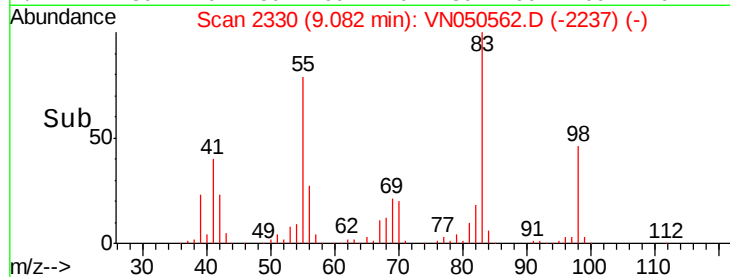
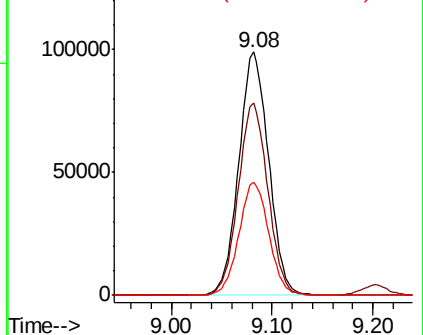
#39
Methvlcvclohexane
Concen: 18.64 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tot Ion: 83 Resp: 203307
Ion Ratio Lower Upper
83 100
55 79.1 61.8 92.8
98 46.3 36.5 54.7

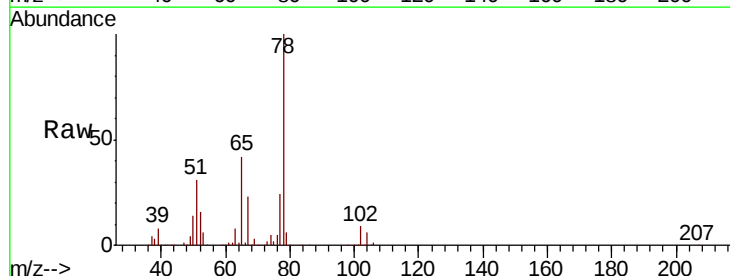


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

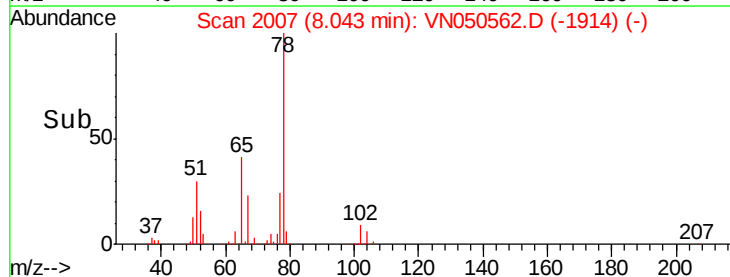
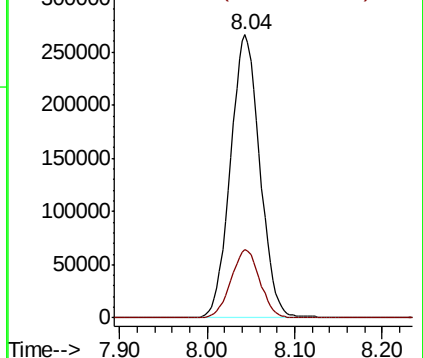


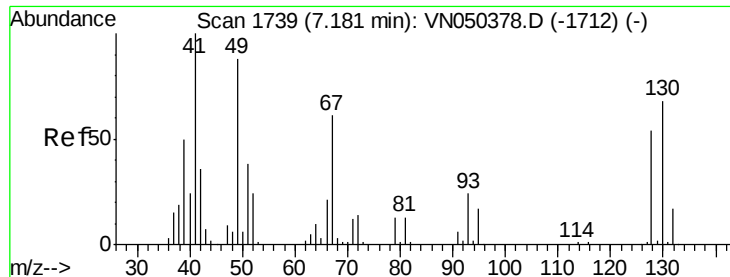
#40
Benzene
Concen: 20.25 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 78 Resp: 622055
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



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

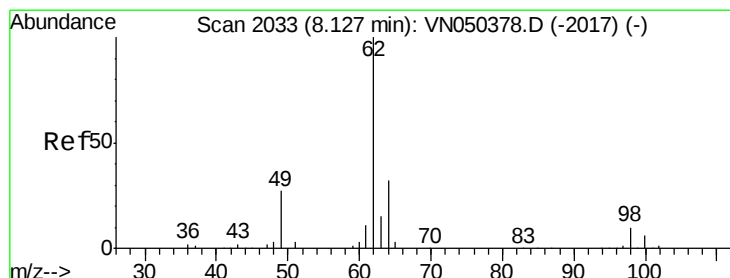
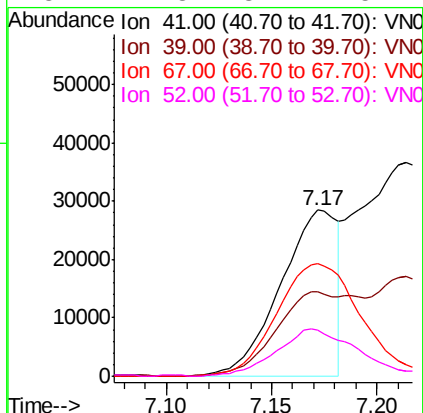
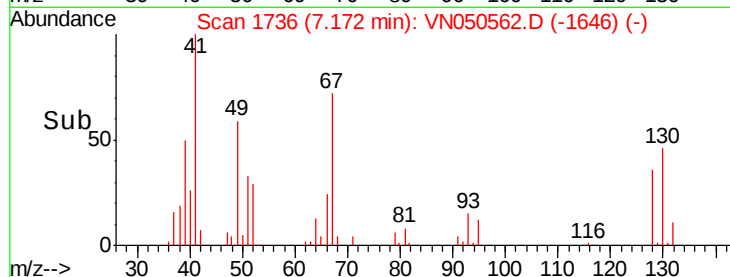
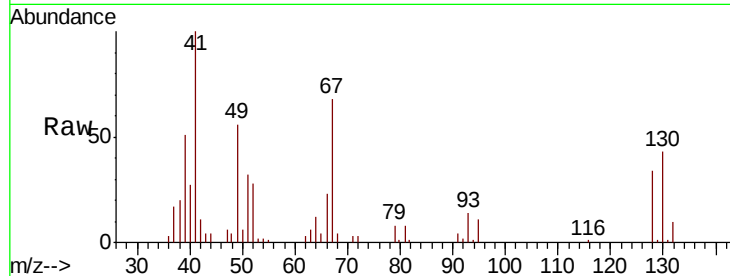




#41
Methacrylonitrile
Concen: 13.93 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

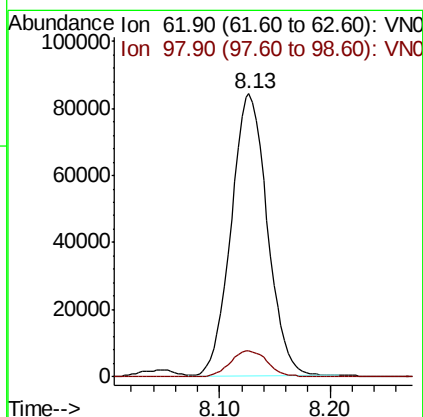
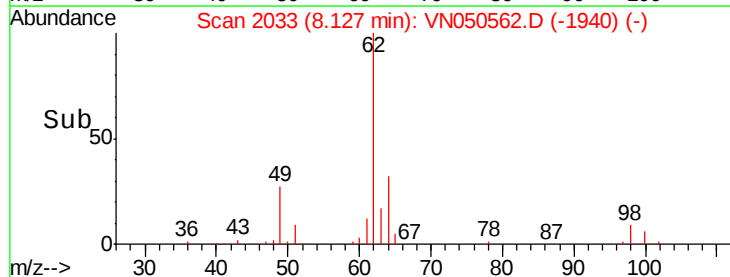
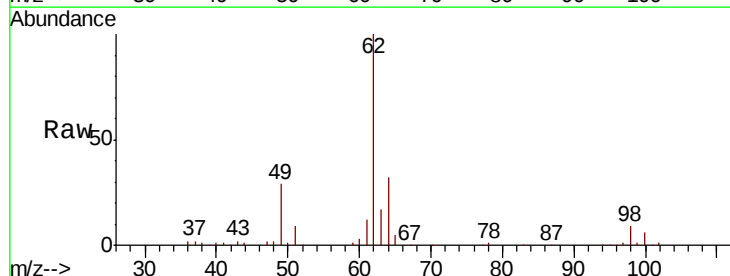
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

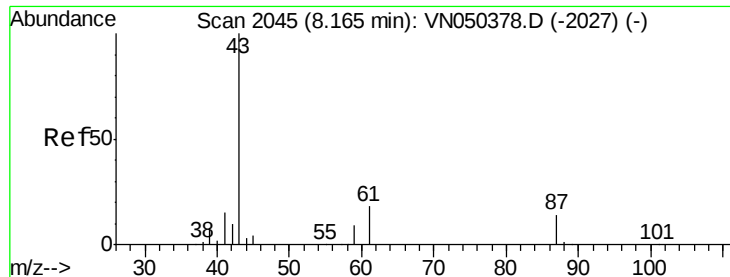
Tot Ion: 41 Resp: 53328
Ion Ratio Lower Upper
41 100
39 54.2 55.8 83.6#
67 101.1 84.3 126.5
52 41.8 34.2 51.2



#42
1,2-Dichloroethane
Concen: 19.61 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 62 Resp: 191312
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.8





#43

Isopropyl Acetate

Concen: 17.53 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

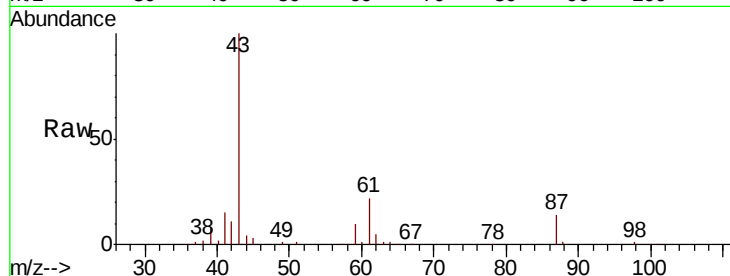
Tot Ion: 43 Resp: 217761

Ion Ratio Lower Upper

43 100

61 28.9 15.8 23.6#

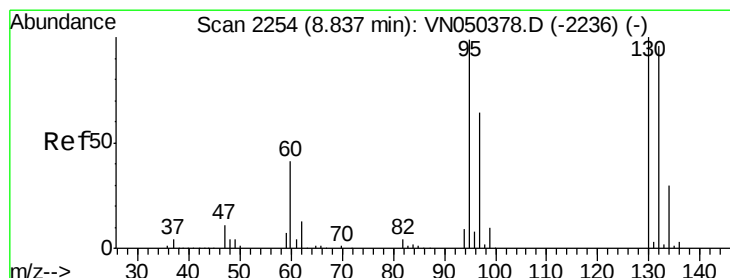
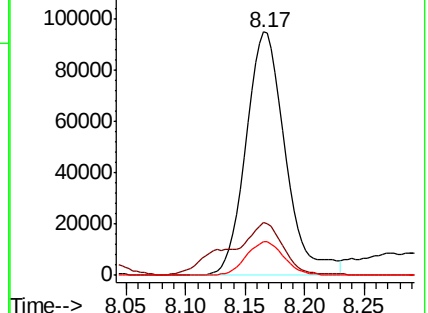
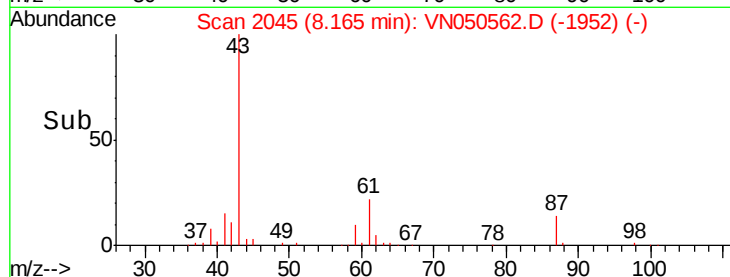
87 13.4 10.3 15.5



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



#44

Trichloroethene

Concen: 19.72 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050562.D

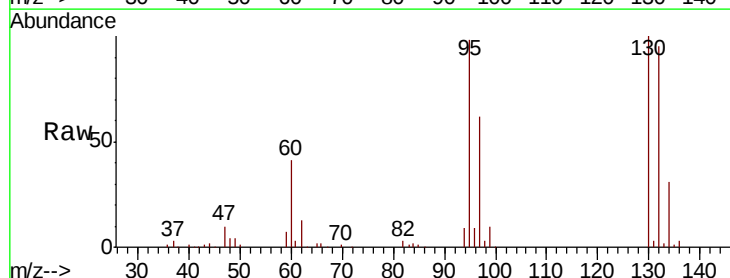
Acq: 13 Aug 2018 12:40

Tgt Ion:130 Resp: 162828

Ion Ratio Lower Upper

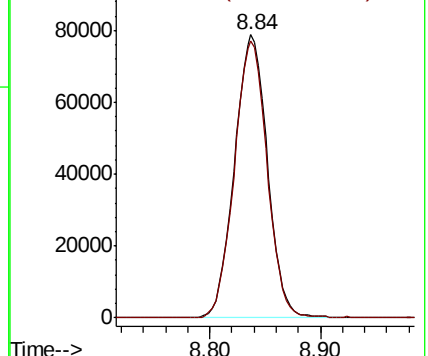
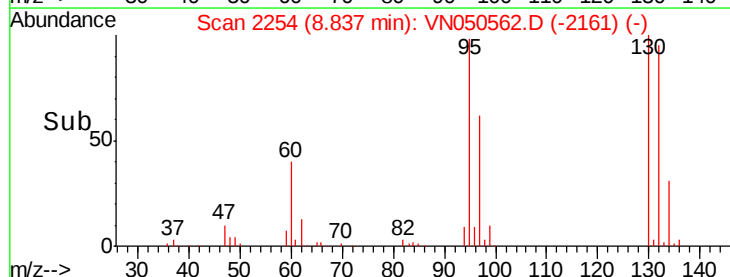
130 100

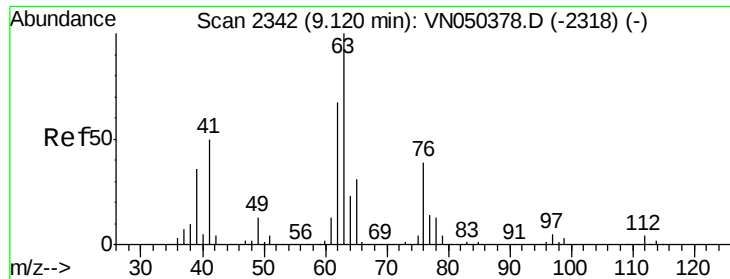
95 97.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.55 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

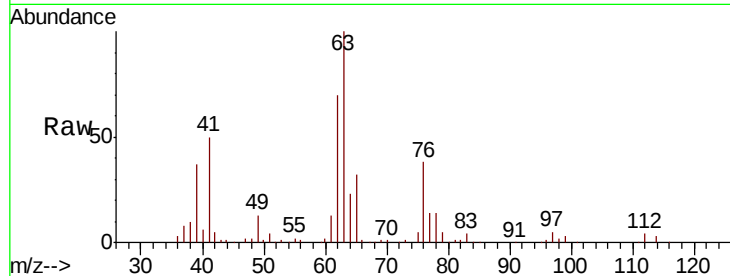
VN0813WBS01

Tot Ion: 63 Resp: 166015

Ion Ratio Lower Upper

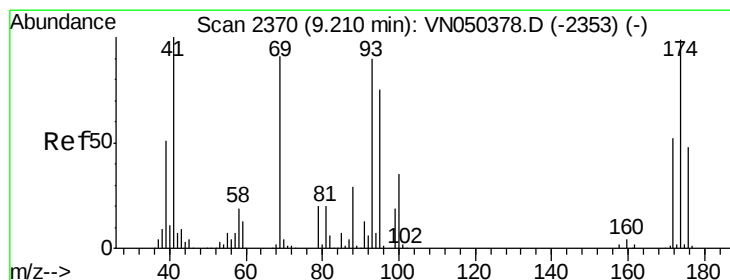
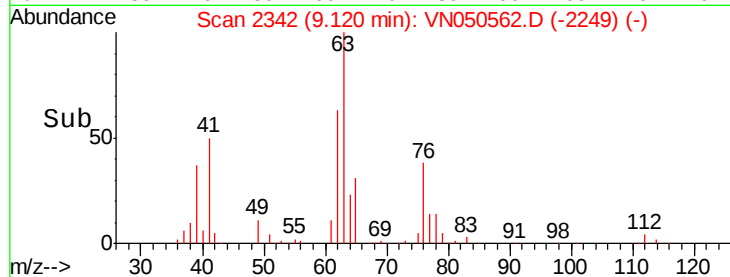
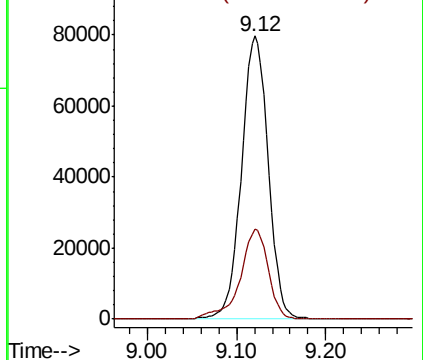
63 100

65 31.7 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.40 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

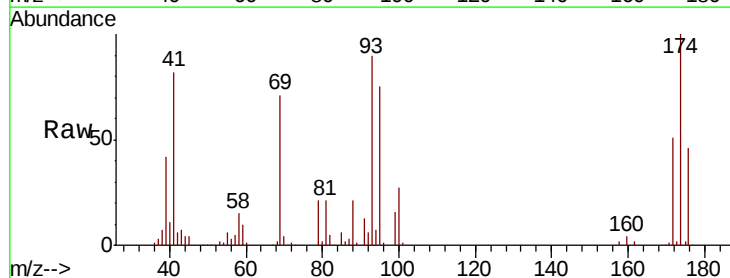
Tgt Ion: 93 Resp: 96758

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

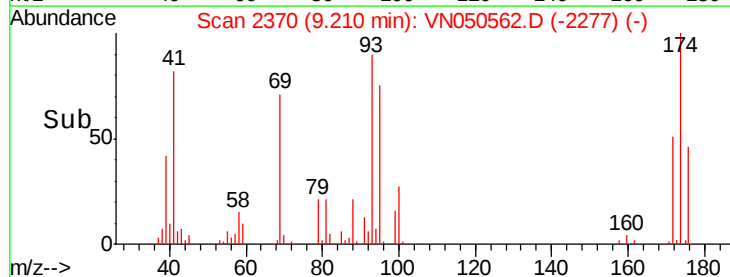
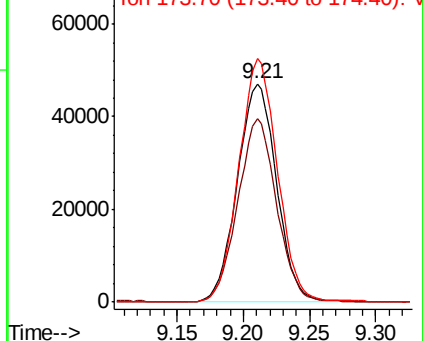
174 109.8 87.1 130.7

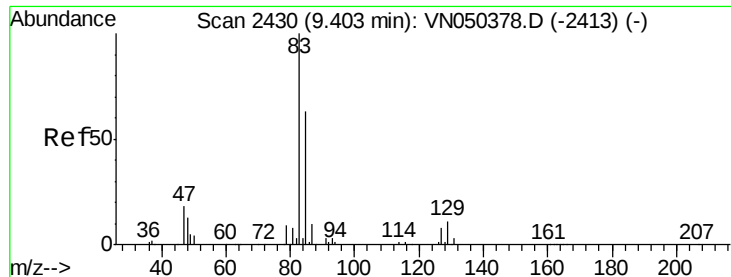


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

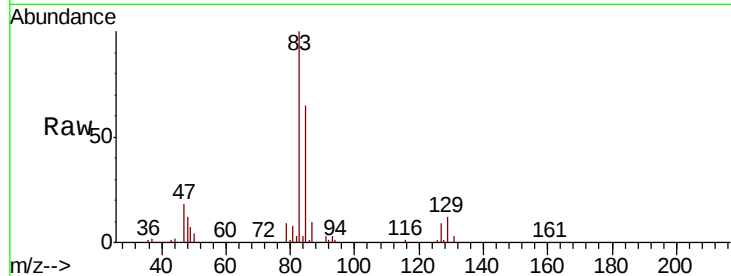




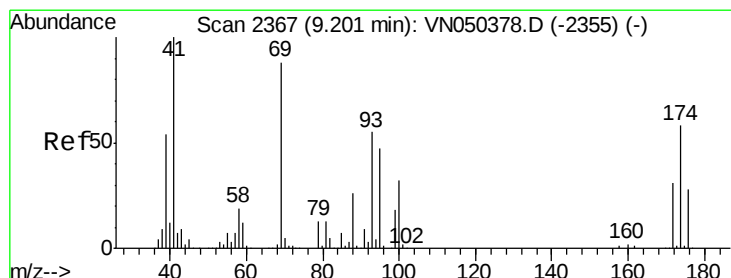
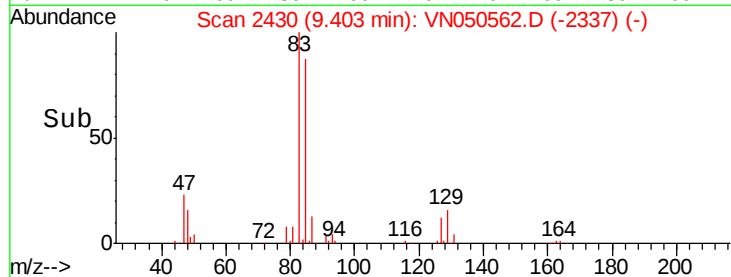
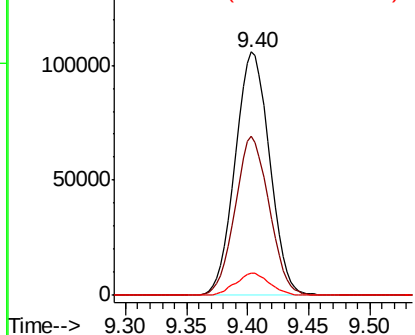
#47
Bromodichloromethane
Concen: 20.09 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tot Ion: 83 Resp: 207593
Ion Ratio Lower Upper
83 100
85 65.4 51.1 76.7
127 9.2 7.0 10.4

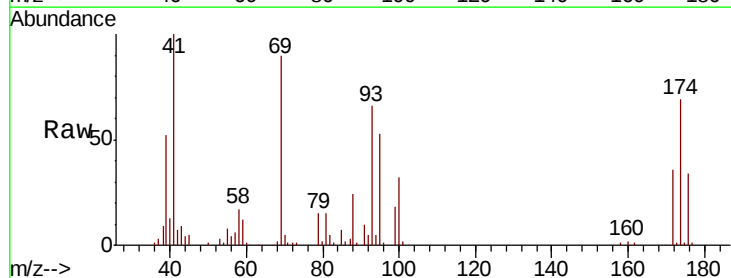


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

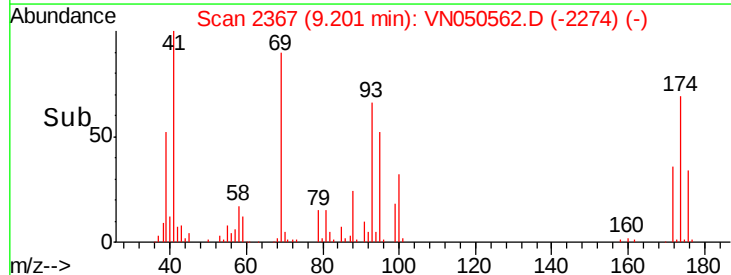
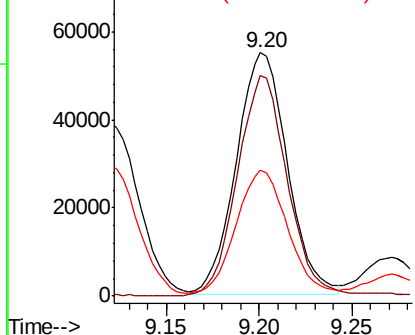


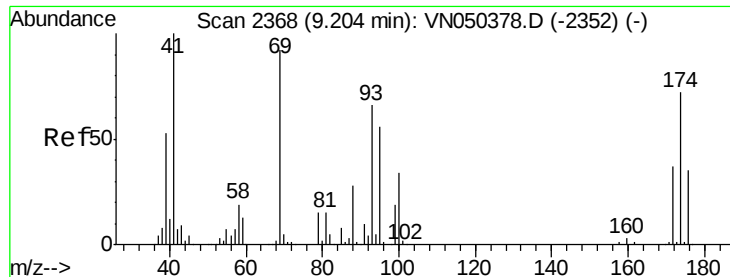
#48
Methyl methacrylate
Concen: 16.96 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 41 Resp: 105641
Ion Ratio Lower Upper
41 100
69 89.0 70.6 105.8
39 52.5 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 287.92 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

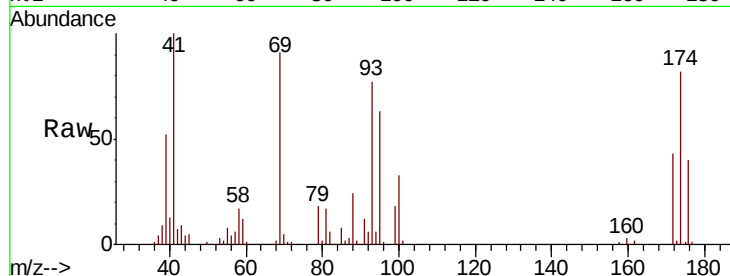
Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion: 88 Resp: 27637

Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.9	40.3
58	74.2	57.3	85.9

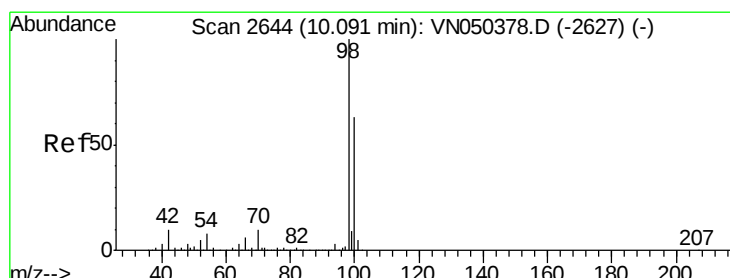
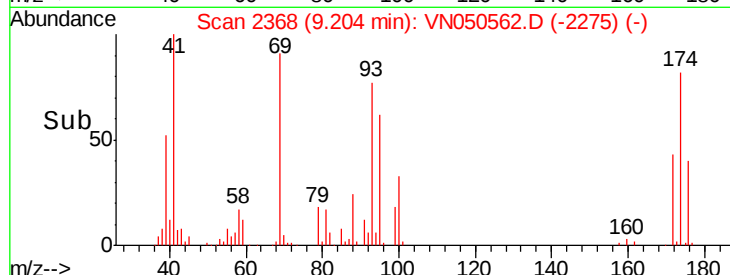
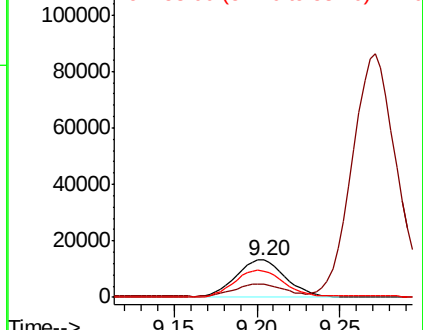


Abundance

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: 50.13 ug/l

RT: 10.09 min Scan# 2644

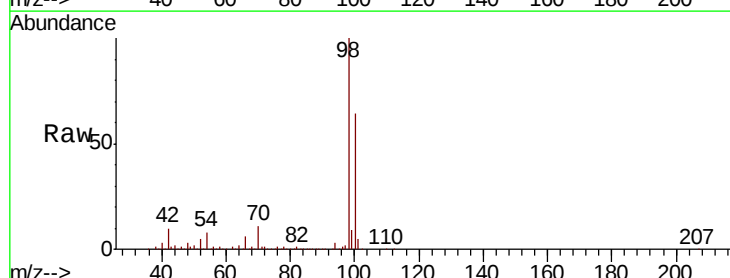
Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion: 98 Resp: 1375624

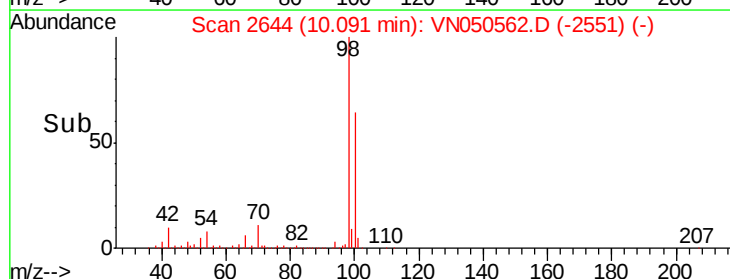
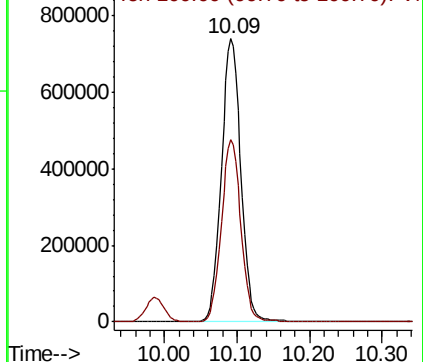
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1

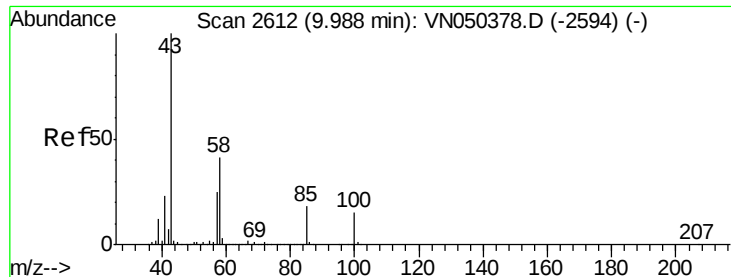


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

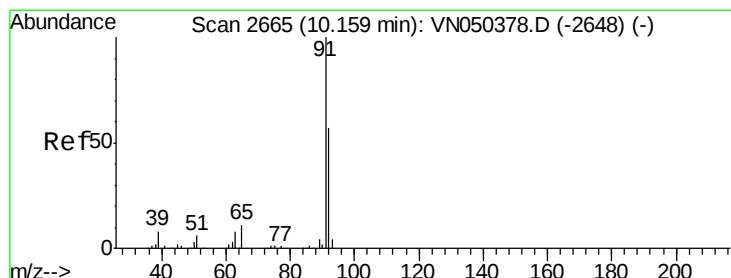
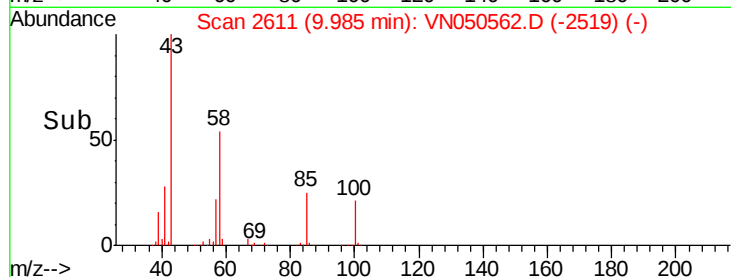
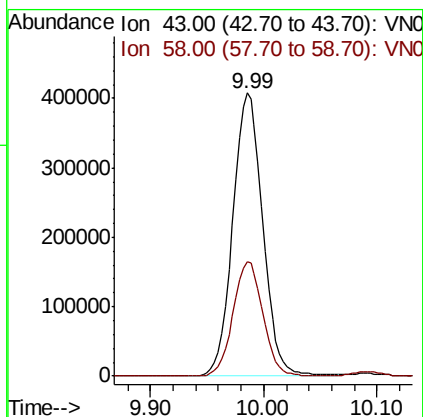
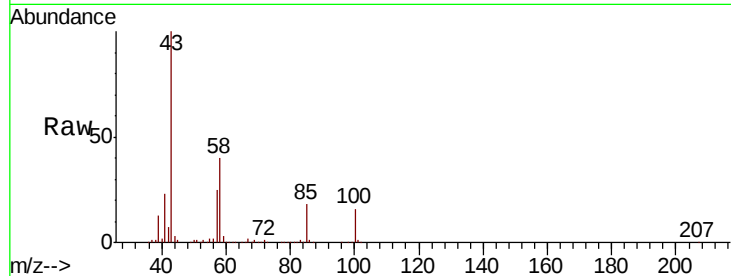




#51
 4-Methyl-2-Pentanone
 Concen: 83.70 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

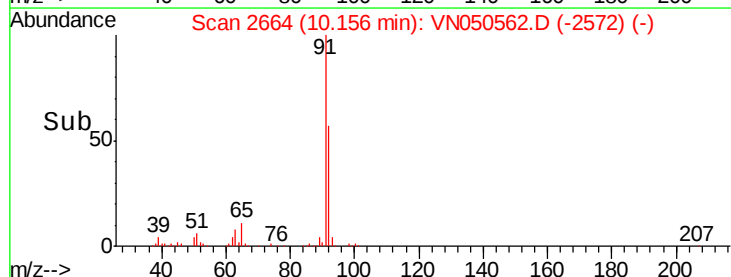
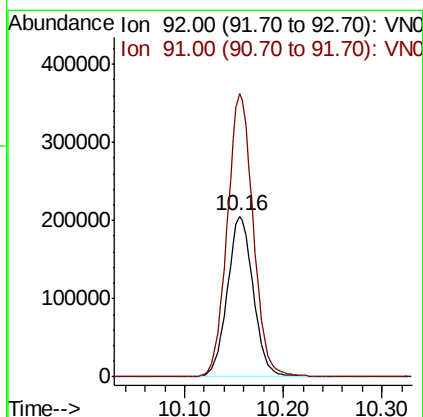
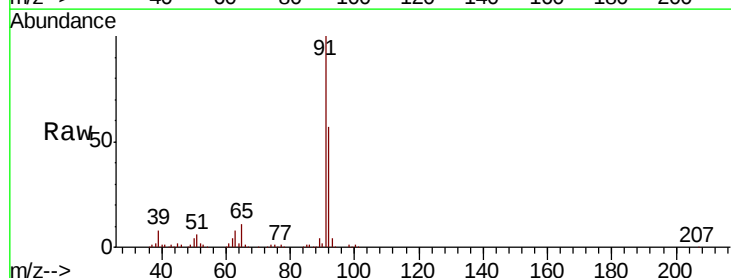
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

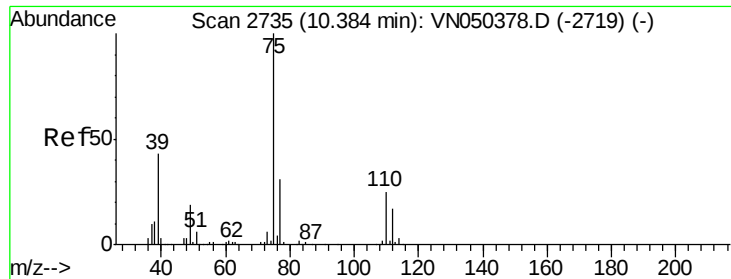
Tot Ion: 43 Resp: 748919
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9



#52
 Toluene
 Concen: 20.46 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 92 Resp: 377588
 Ion Ratio Lower Upper
 92 100
 91 176.5 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

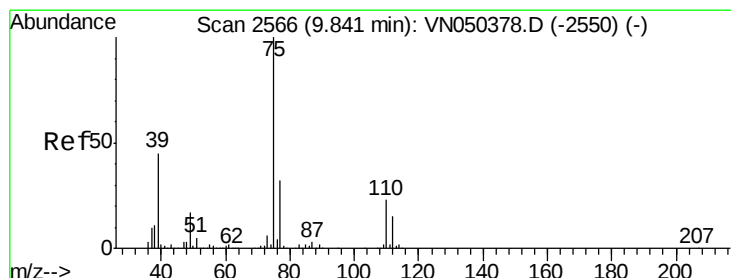
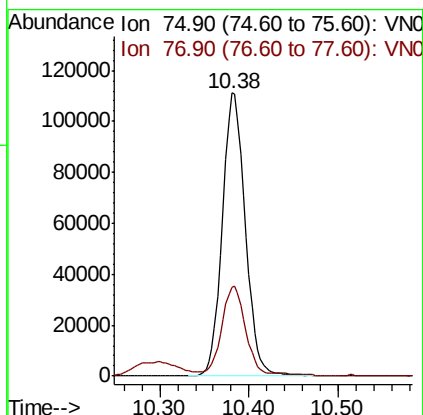
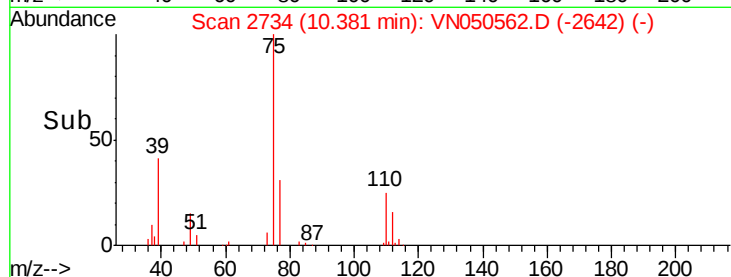
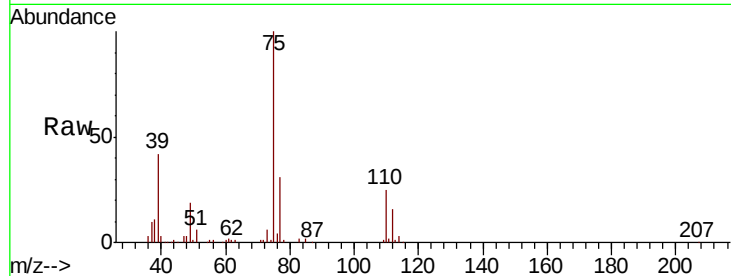
VN0813WBS01

Tot Ion: 75 Resp: 199146

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.19 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

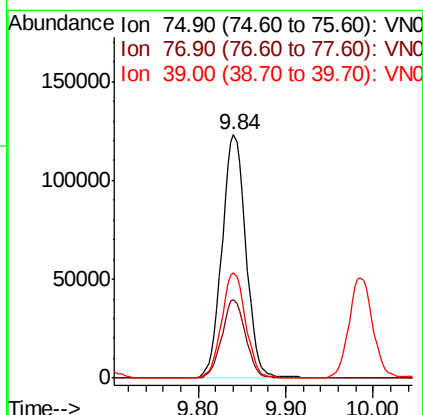
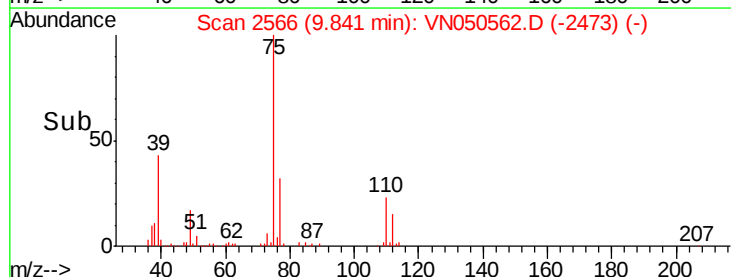
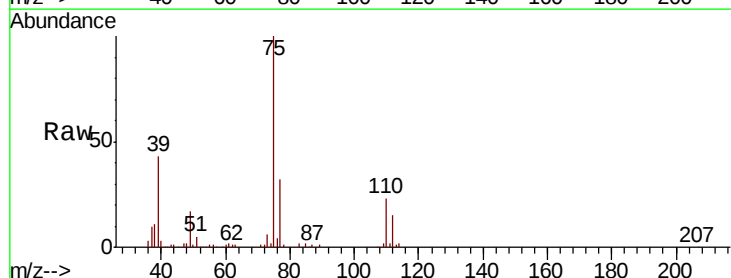
Tgt Ion: 75 Resp: 233759

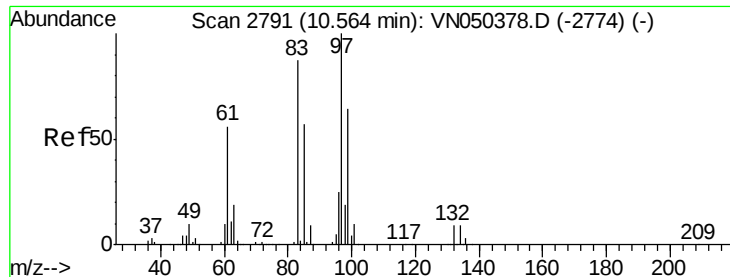
Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

39 43.3 36.6 55.0

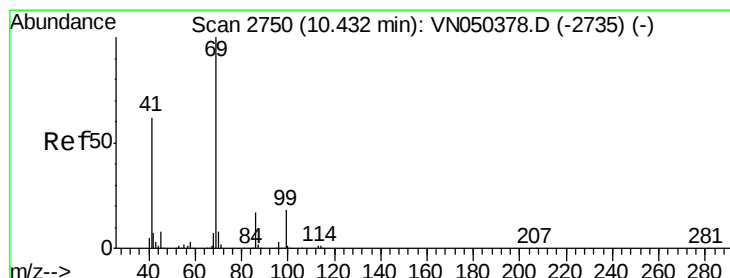
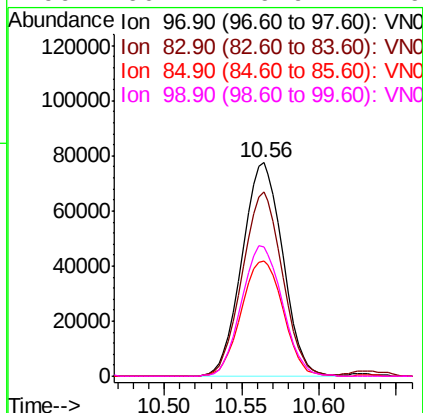
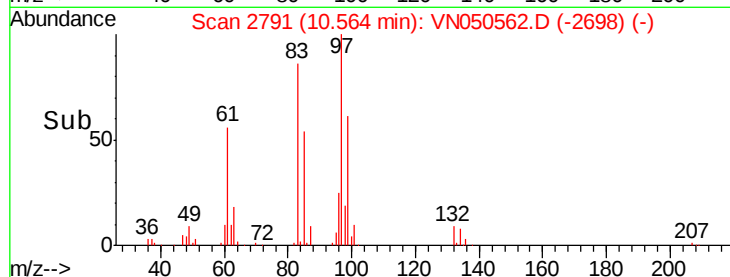
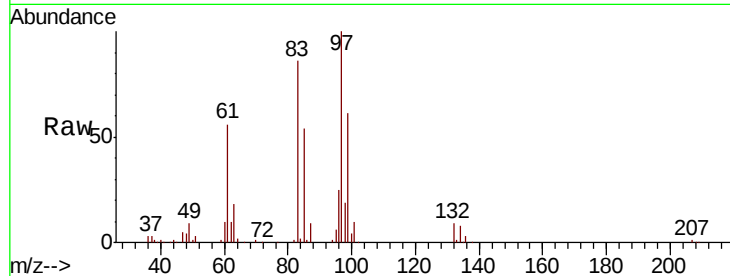




#55
 1,1,2-Trichloroethane
 Concen: 19.73 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

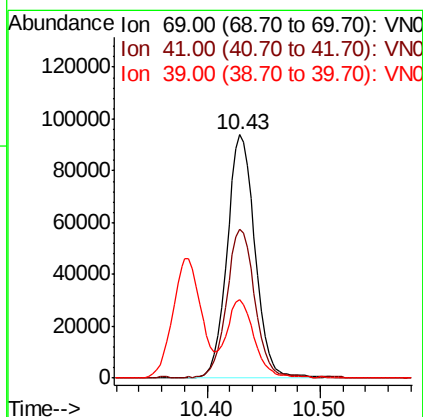
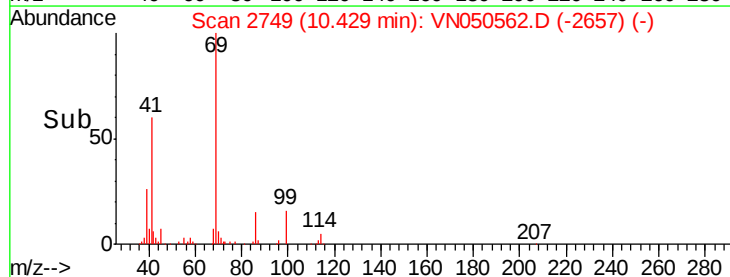
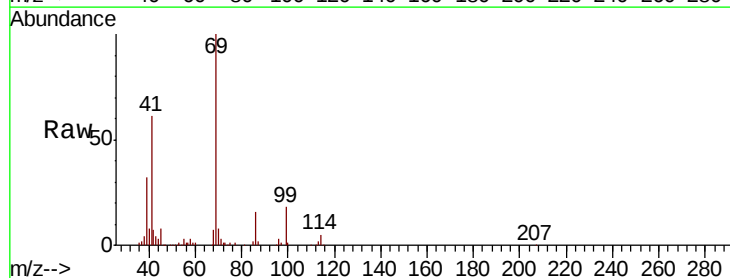
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

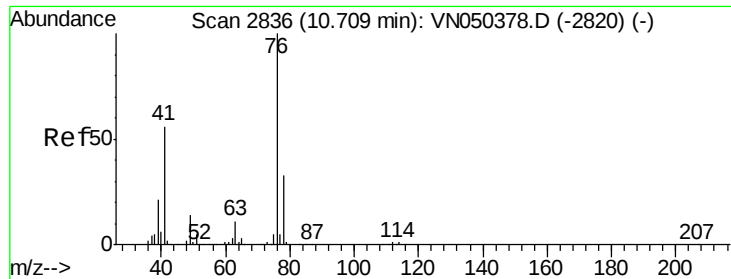
Tot Ion:	97	Resp:	142128
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.2	103.8
85	54.1	44.0	66.0
99	60.7	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 16.98 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion:	69	Resp:	161170
Ion	Ratio	Lower	Upper
69	100		
41	61.0	51.0	76.4
39	30.8	26.6	40.0

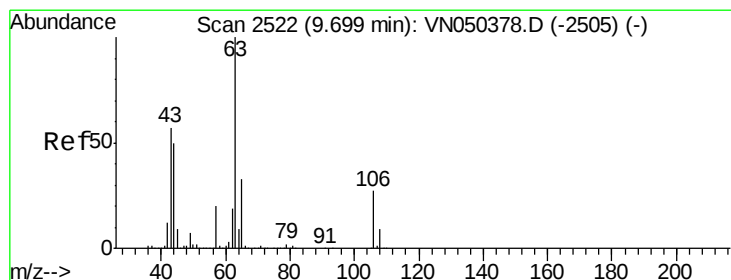
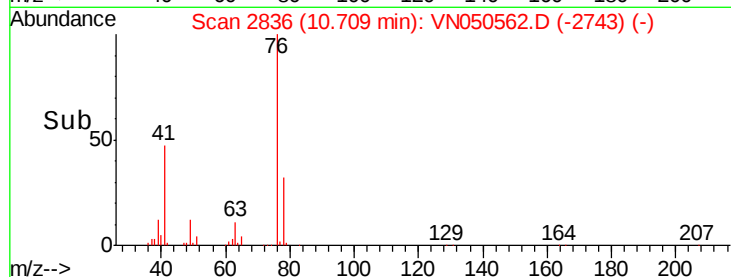
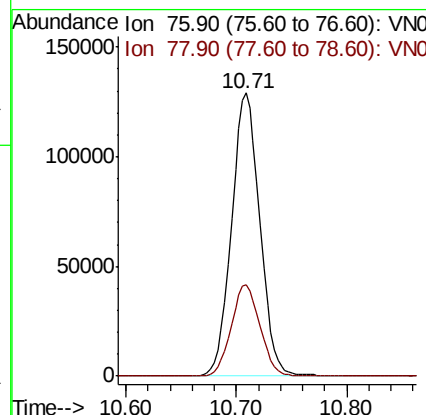
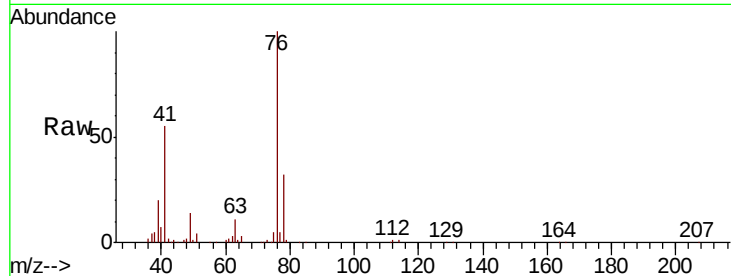




#57
 1,3-Dichloropropane
 Concen: 19.36 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

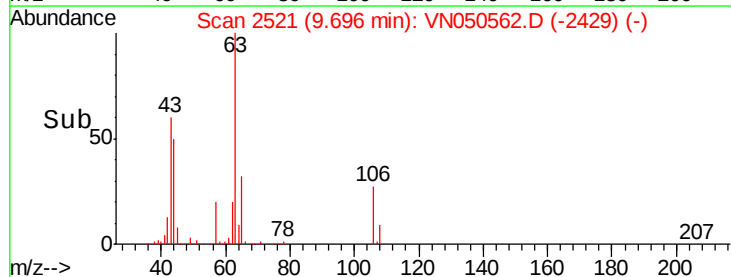
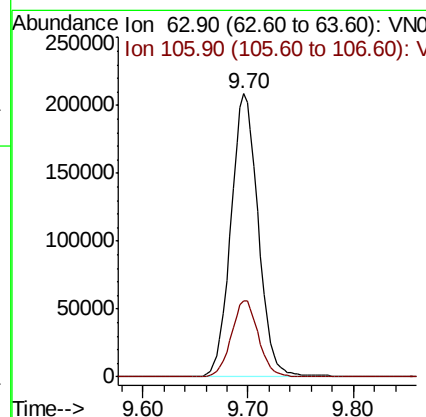
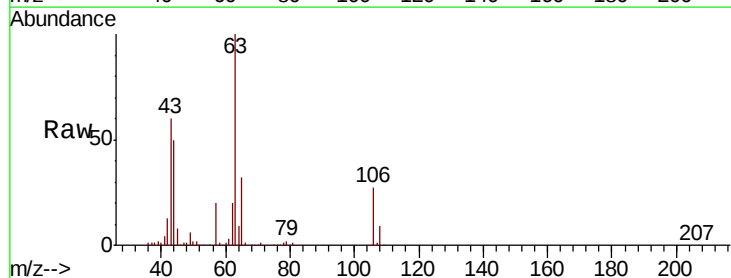
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBS01

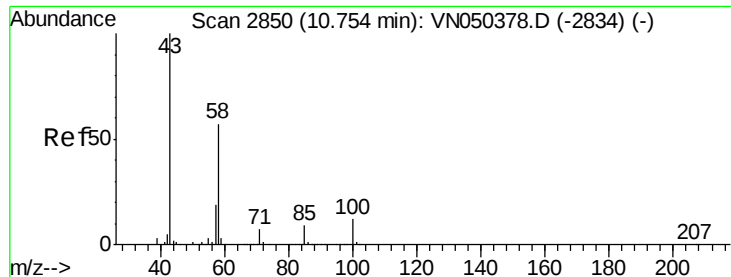
Tot Ion: 76 Resp: 228935
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.61 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 63 Resp: 373303
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.7 32.5

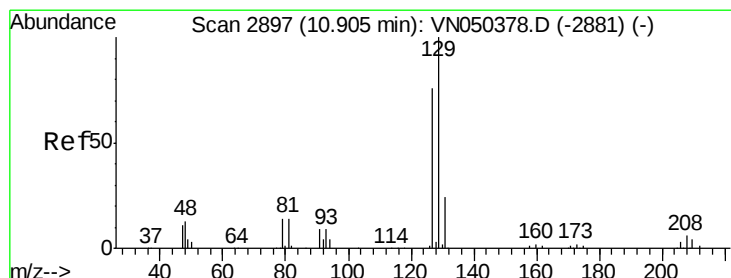
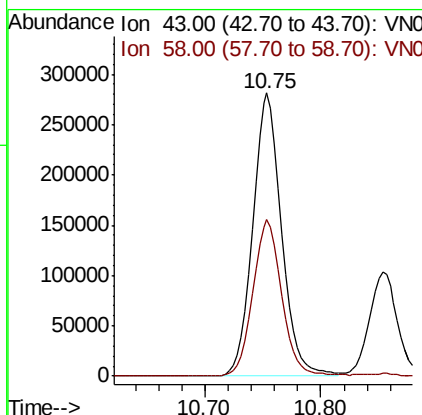
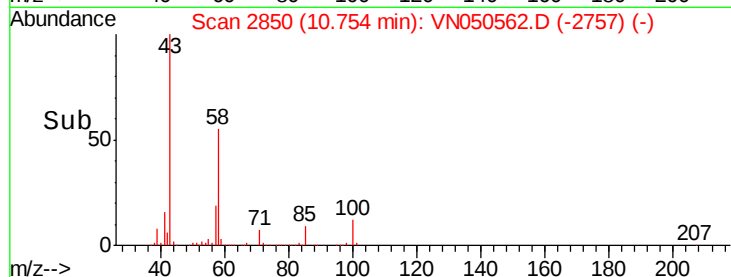
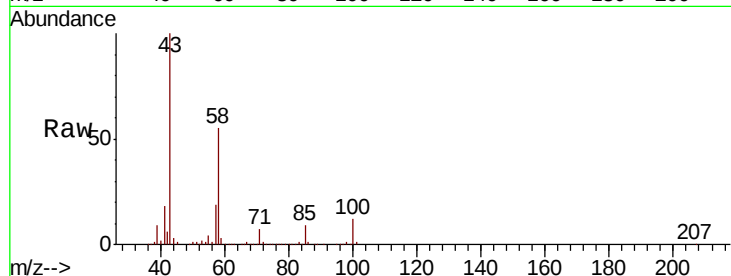




#59
2-Hexanone
Concen: 77.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

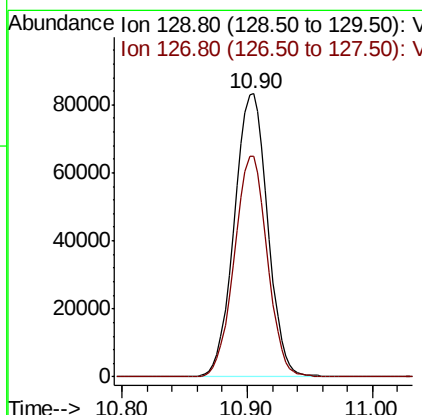
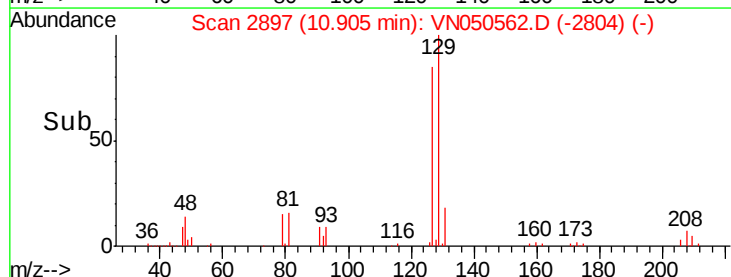
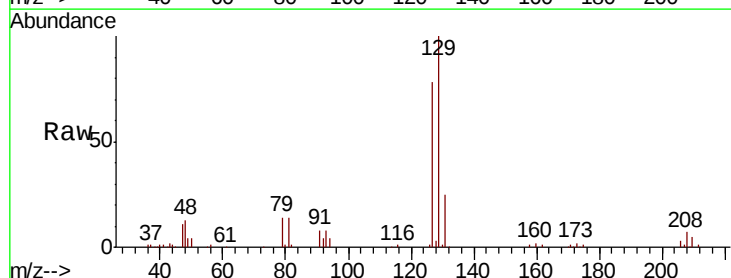
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

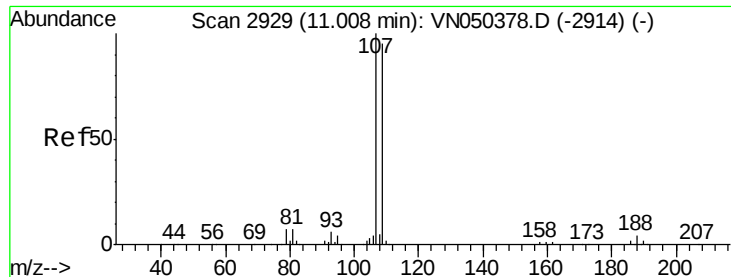
Tot Ion: 43 Resp: 486360
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7



#60
Dibromochloromethane
Concen: 19.40 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 129 Resp: 153983
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.75 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

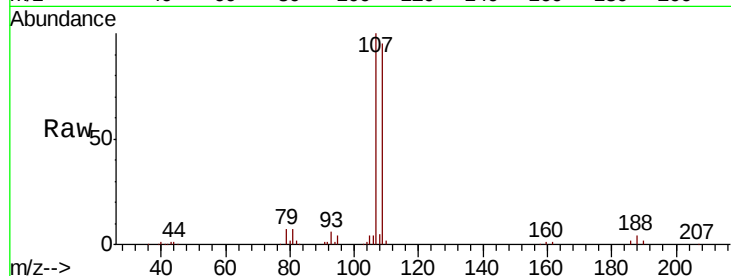
VN0813WBS01

Tot Ion:107 Resp: 133139

Ion Ratio Lower Upper

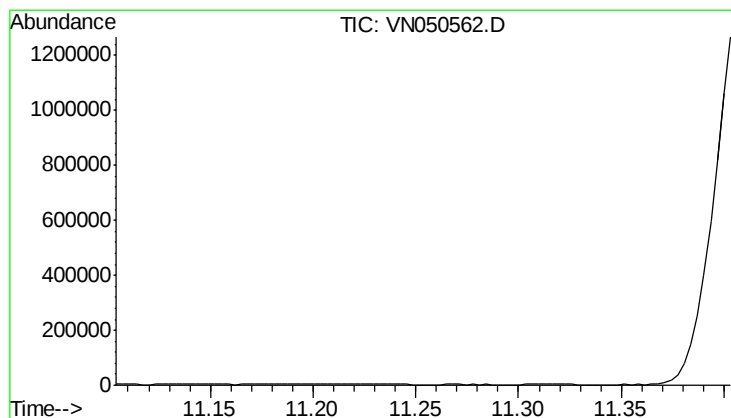
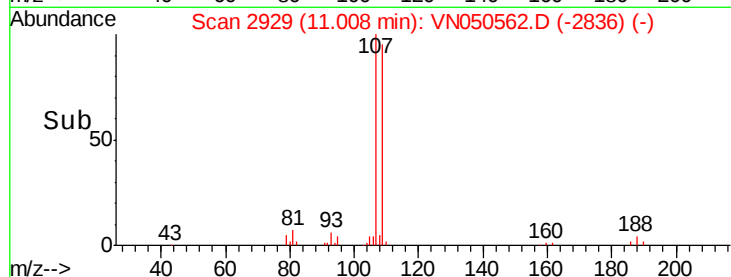
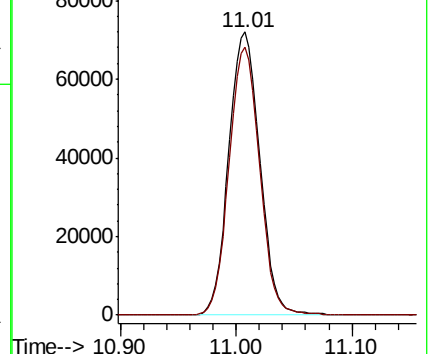
107 100

109 93.3 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: 0.00 ug/l

Expected RT: 12.40 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

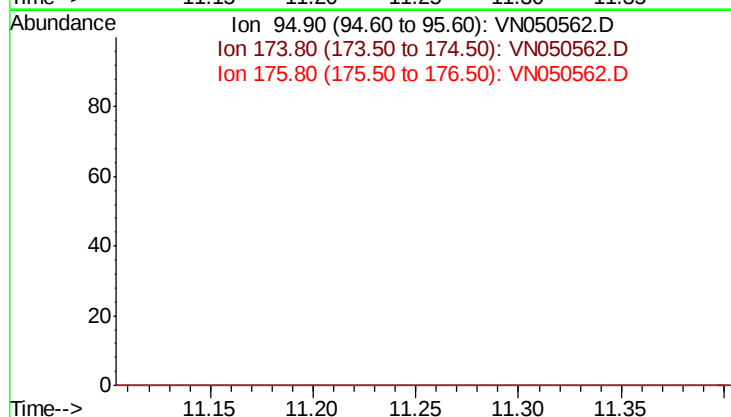
Tgt Ion: 95

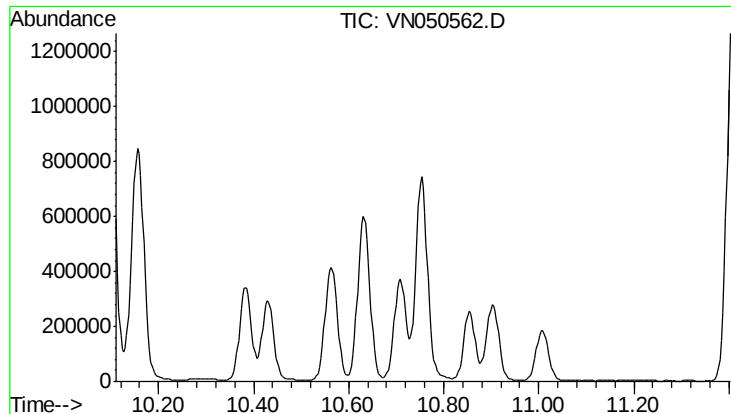
Sig Exp Ratio

95 100

174 89.1

176 86.7

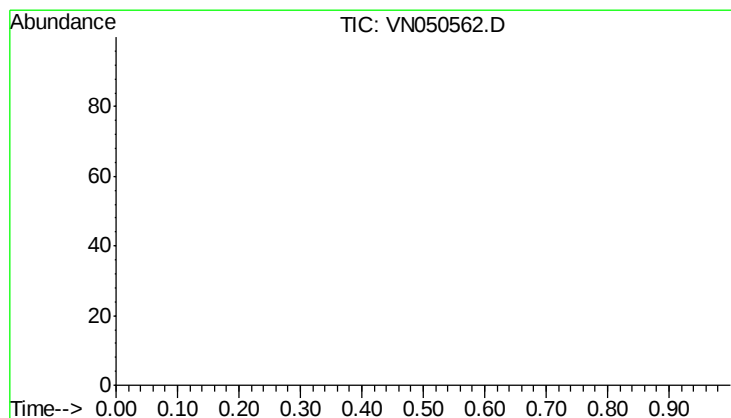
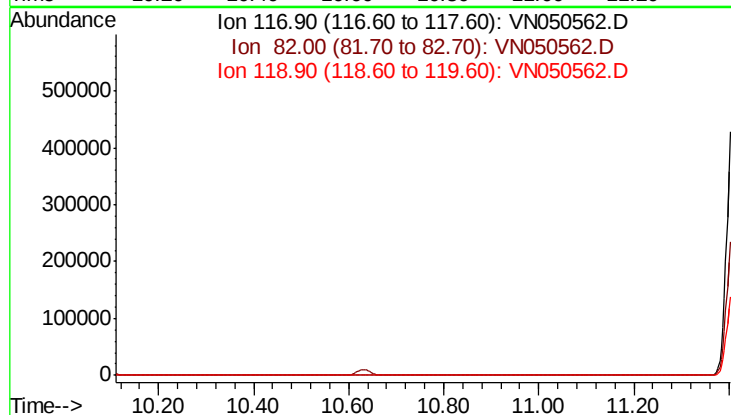




#63
 Chlorobenzene-d5
 Concen: 0.00 ug/l
 Expected RT: 11.41 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 54.6
 119 32.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ug/l
 Expected RT: 13.35 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 55.5
 150 174.3

