

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050509.D
 Acq On : 10 Aug 2018 11:39
 Operator : MD\SY
 Sample : VN0810WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Quant Time: Aug 10 23:13:22 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	812962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1168035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	522728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	489206	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
35) Dibromofluoromethane	7.59	113	457925	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1672086	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	12.40	95	548348	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159638	17.69	ug/l	99
3) Chloromethane	2.06	50	186694	16.53	ug/l	99
4) Vinyl Chloride	2.18	62	205551	17.60	ug/l	99
5) Bromomethane	2.57	94	109597	19.46	ug/l	99
6) Chloroethane	2.70	64	125678	17.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	283905	18.82	ug/l	99
8) Diethyl Ether	3.41	74	96776	17.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179469	19.25	ug/l	99
10) Methyl Iodide	3.95	142	84097	20.47	ug/l	98
11) Tert butyl alcohol	4.80	59	55196	63.26	ug/l	98
12) 1,1-Dichloroethene	3.74	96	155909	17.74	ug/l	98
13) Acrolein	3.61	56	42768	50.44	ug/l	98
14) Allyl chloride	4.32	41	241419	17.10	ug/l	98
15) Acrylonitrile	4.99	53	269655	73.78	ug/l	99
16) Acetone	3.82	43	249076	76.64	ug/l	99
17) Carbon Disulfide	4.05	76	453331	15.86	ug/l	100
18) Methyl Acetate	4.33	43	138610	16.34	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	427104	17.12	ug/l	100
20) Methylene Chloride	4.55	84	181111	17.27	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	168707	17.74	ug/l	99
22) Diisopropyl ether	5.95	45	532271	18.46	ug/l	96
23) Vinyl Acetate	5.90	43	1714466	83.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	321559	18.18	ug/l	99
25) 2-Butanone	6.84	43	396978	73.75	ug/l	97
26) 2,2-Dichloropropane	6.83	77	269054	18.45	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	193596	18.36	ug/l	99
28) Bromochloromethane	7.20	49	141390	17.36	ug/l	97
29) Tetrahydrofuran	7.22	42	206074	71.53	ug/l	99
30) Chloroform	7.37	83	329573	18.63	ug/l	99
31) Cyclohexane	7.66	56	280365	17.60	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	282712	18.61	ug/l	99
36) 1,1-Dichloropropene	7.79	75	242324	18.88	ug/l	100
37) Ethyl Acetate	6.93	43	148629	16.08	ug/l	97
38) Carbon Tetrachloride	7.78	117	246399	18.40	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0810WBS01

Quant Time: Aug 10 23:13:22 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	257155	18.36	ug/l	98
40) Benzene	8.04	78	738254	18.71	ug/l	100
41) Methacrylonitrile	7.18	41	63279	12.88	ug/l	96
42) 1,2-Dichloroethane	8.13	62	233117	18.61	ug/l	98
43) Isopropyl Acetate	8.17	43	253649	15.90	ug/l #	85
44) Trichloroethene	8.84	130	198809	18.75	ug/l	96
45) 1,2-Dichloropropane	9.12	63	194729	18.77	ug/l	100
46) Dibromomethane	9.21	93	115732	18.07	ug/l	98
47) Bromodichloromethane	9.40	83	245112	18.47	ug/l	98
48) Methyl methacrylate	9.20	41	125122	15.65	ug/l	99
49) 1,4-Dioxane	9.20	88	33429	271.21	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	876985	76.33	ug/l	100
52) Toluene	10.16	92	452782	19.10	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	236199	17.73	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	278376	18.72	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	165156	17.85	ug/l	98
56) Ethyl methacrylate	10.43	69	194631	16.07	ug/l	98
57) 1,3-Dichloropropane	10.71	76	271598	17.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	345217	62.28	ug/l	99
59) 2-Hexanone	10.75	43	575933	71.82	ug/l	99
60) Dibromochloromethane	10.90	129	182998	17.95	ug/l	98
61) 1,2-Dibromoethane	11.01	107	157243	17.24	ug/l	100
64) Tetrachloroethene	10.63	164	184588	19.06	ug/l	98
65) Chlorobenzene	11.44	112	491111	18.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	183559	19.41	ug/l	99
67) Ethyl Benzene	11.51	91	808115	19.24	ug/l	100
68) m/p-Xylenes	11.62	106	638138	39.90	ug/l	98
69) o-Xylene	11.95	106	296834	19.27	ug/l	100
70) Styrene	11.97	104	485099	19.36	ug/l	99
71) Bromoform	12.13	173	121050	17.51	ug/l #	99
73) Isopropylbenzene	12.25	105	794937	20.26	ug/l	100
74) N-amyl acetate	12.07	43	198351	15.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	192615	17.01	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	227930	24.09	ug/l #	100
77) Bromobenzene	12.53	156	207710	19.76	ug/l	97
78) n-propylbenzene	12.59	91	907186	20.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	544328	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	654784	20.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44226	16.42	ug/l	96
82) 4-Chlorotoluene	12.77	91	549169	20.07	ug/l	99
83) tert-Butylbenzene	12.99	119	560964	20.19	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	670334	20.77	ug/l	100
85) sec-Butylbenzene	13.17	105	742745	20.05	ug/l	99
86) p-Isopropyltoluene	13.29	119	639868	20.16	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	358161	19.13	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	352729	18.87	ug/l	99
89) n-Butylbenzene	13.62	91	502884	18.61	ug/l	99
90) Hexachloroethane	13.88	117	111721	19.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	346562	18.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26989	14.04	ug/l	95

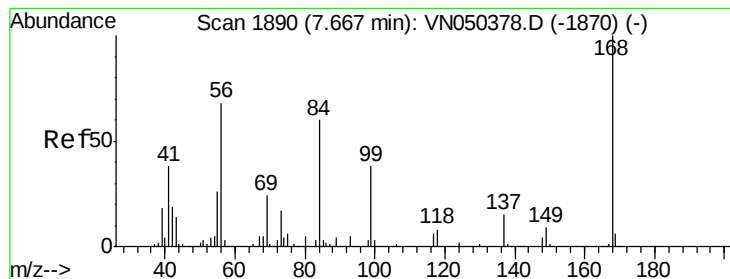
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162452	16.99	ug/l	97
94) Hexachlorobutadiene	15.01	225	114259	20.92	ug/l	99
95) Naphthalene	15.13	128	314316	15.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	159644	16.52	ug/l	99

(#) = 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: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

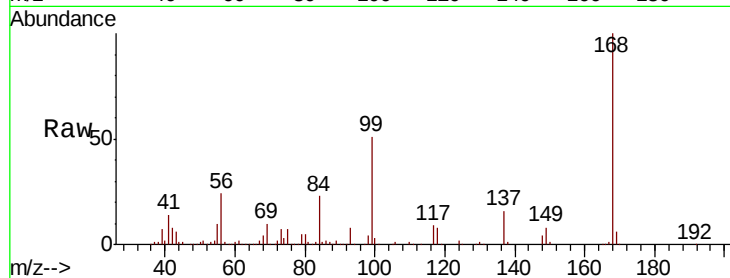
VN0810WBS01

Tot Ion:168 Resp: 812962

Ion Ratio Lower Upper

168 100

99 50.8 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

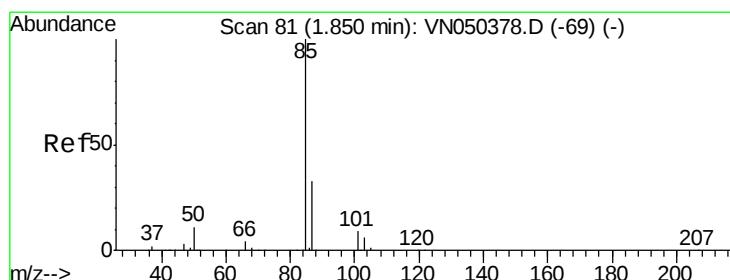
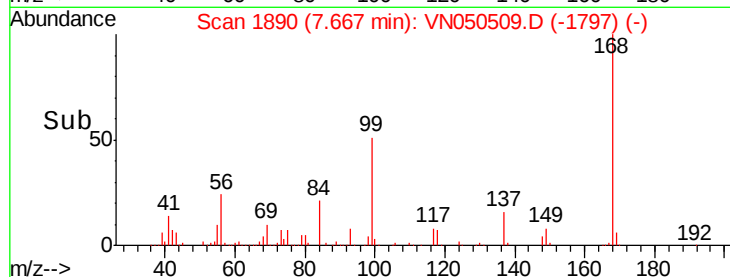
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050509.D

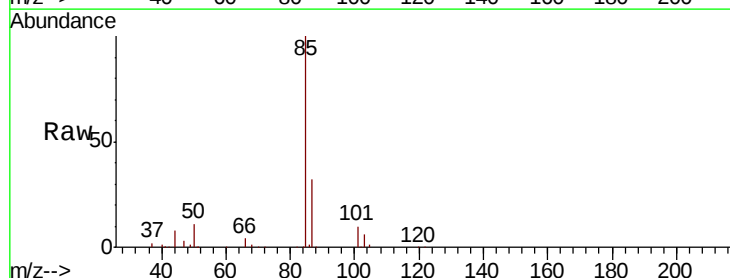
Acq: 10 Aug 2018 11:39

Tgt Ion: 85 Resp: 159638

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

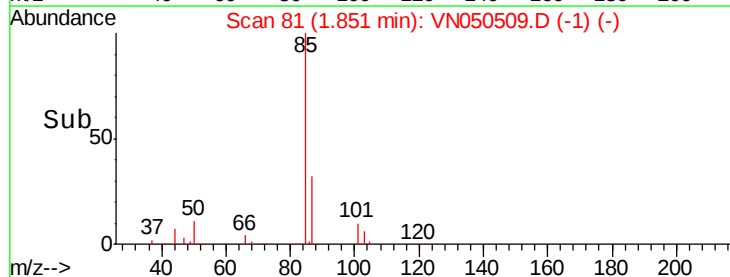
1.85

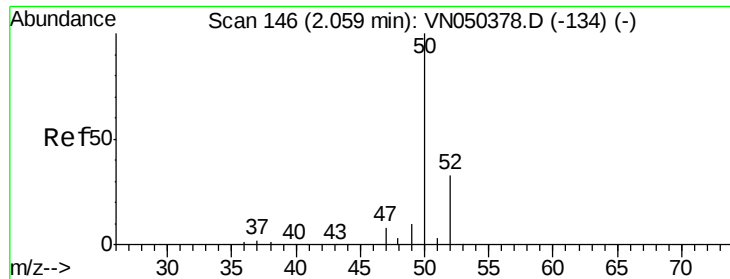
100000

50000

0

Time-->





#3

Chloromethane

Concen: 16.53 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

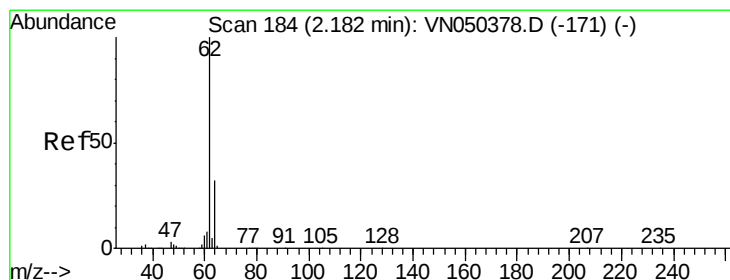
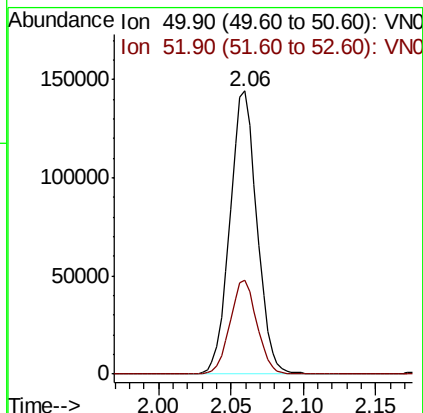
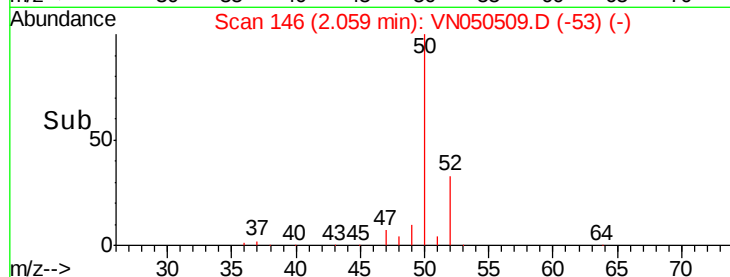
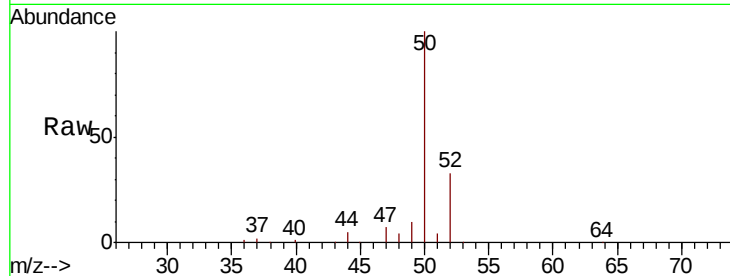
VN0810WBS01

Tot Ion: 50 Resp: 186694

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



#4

Vinyl Chloride

Concen: 17.60 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050509.D

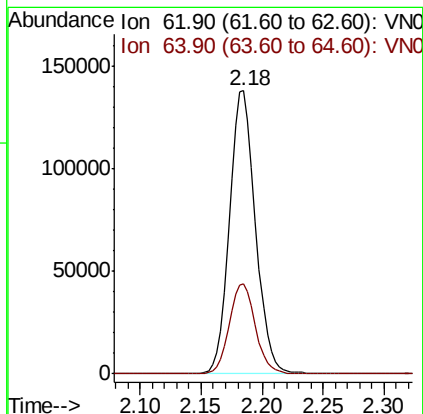
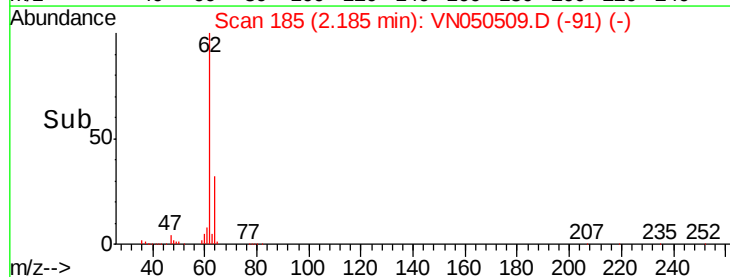
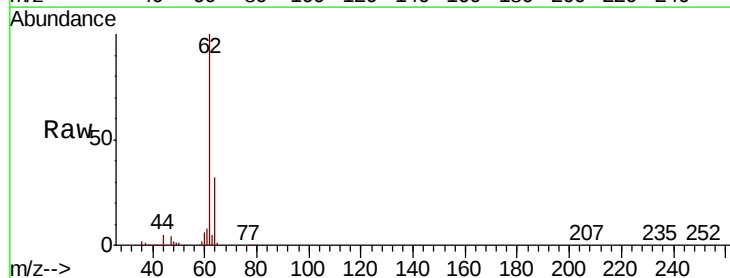
Acq: 10 Aug 2018 11:39

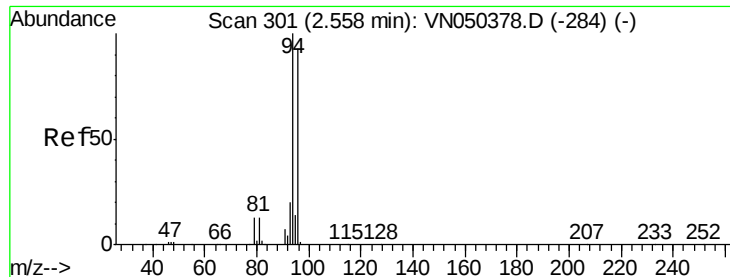
Tgt Ion: 62 Resp: 205551

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 19.46 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

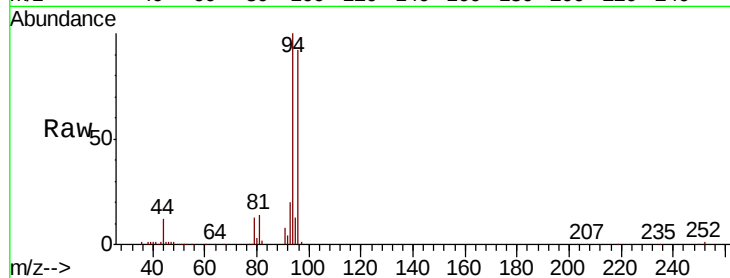
VN0810WBS01

Tot Ion: 94 Resp: 109597

Ion Ratio Lower Upper

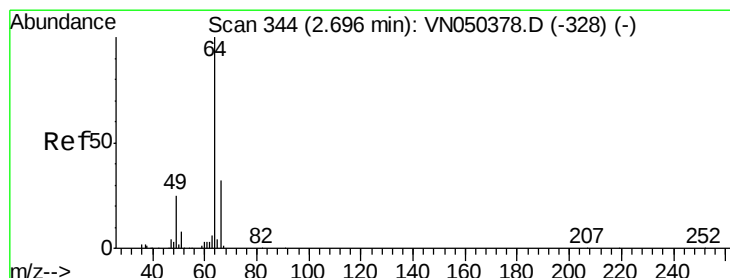
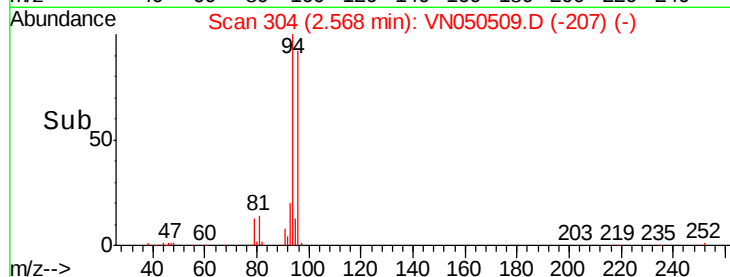
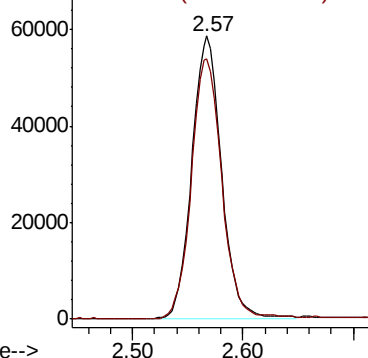
94 100

96 92.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.46 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050509.D

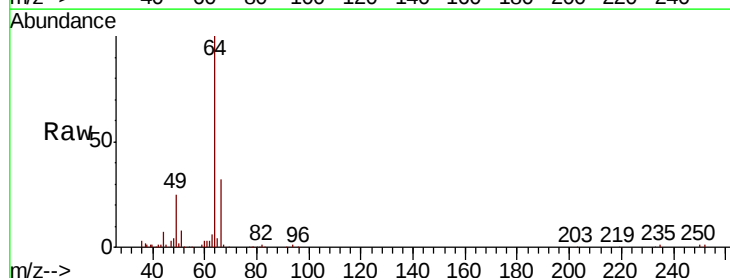
Acq: 10 Aug 2018 11:39

Tgt Ion: 64 Resp: 125678

Ion Ratio Lower Upper

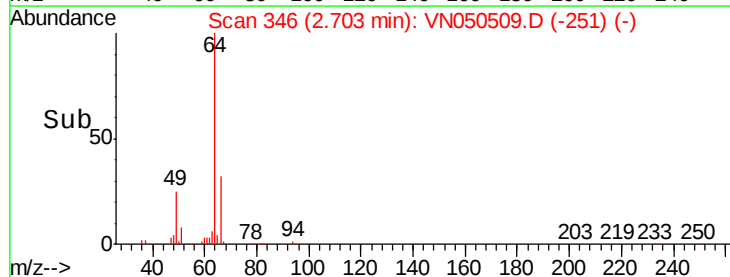
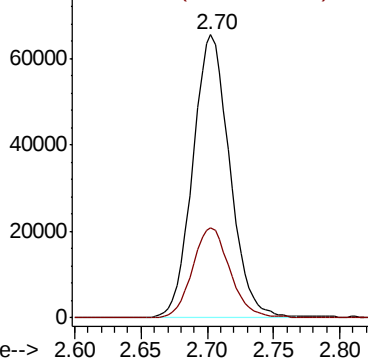
64 100

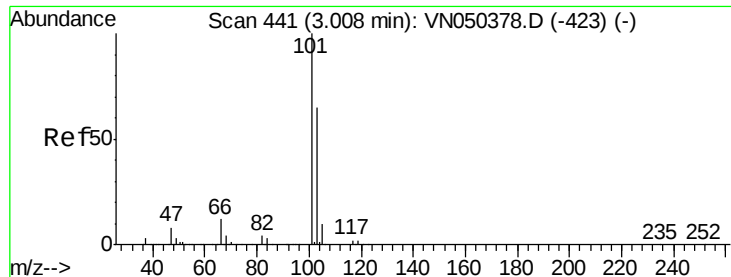
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 18.82 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

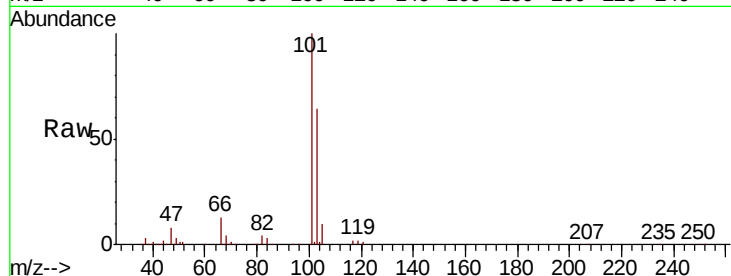
VN0810WBS01

Tot Ion:101 Resp: 283905

Ion Ratio Lower Upper

101 100

103 63.9 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

150000 Ion 102.80 (102.50 to 103.50): V

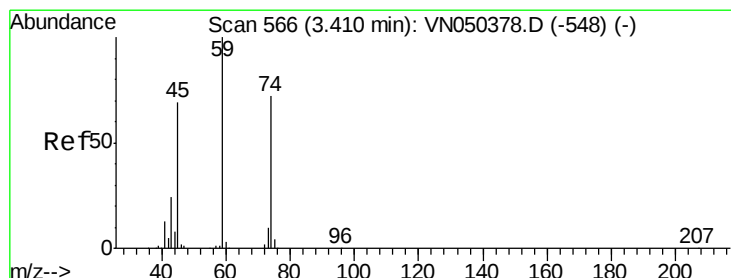
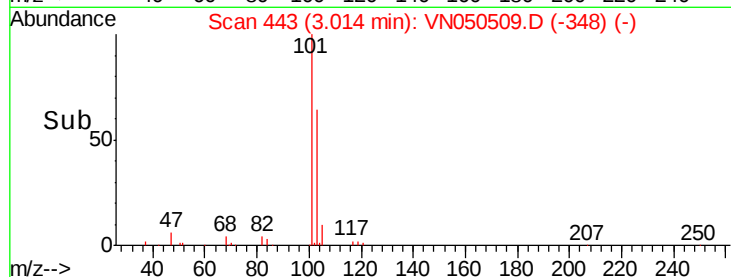
3.01

100000

50000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 17.49 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050509.D

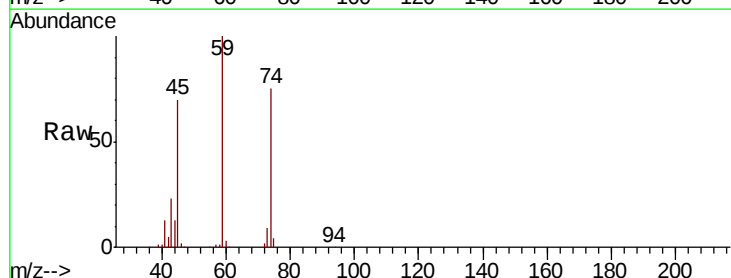
Acq: 10 Aug 2018 11:39

Tgt Ion: 74 Resp: 96776

Ion Ratio Lower Upper

74 100

45 93.6 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

50000 Ion 45.00 (44.70 to 45.70): VNO

40000

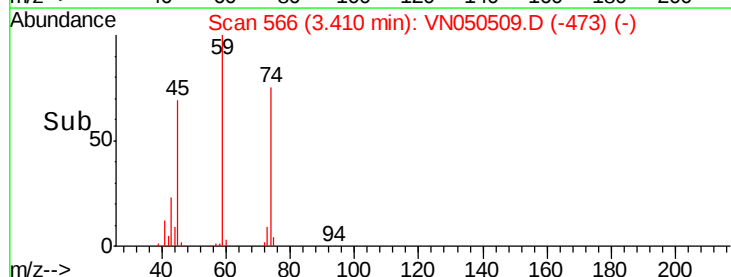
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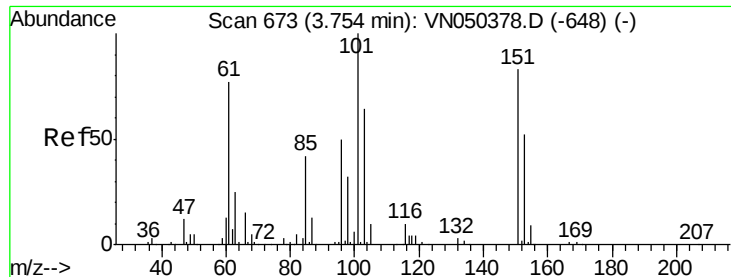
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.25 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

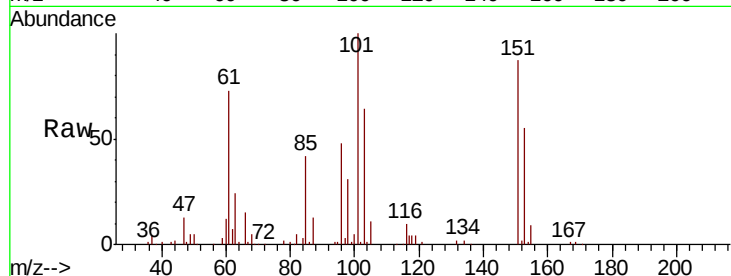
Tot Ion:101 Resp: 179469

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

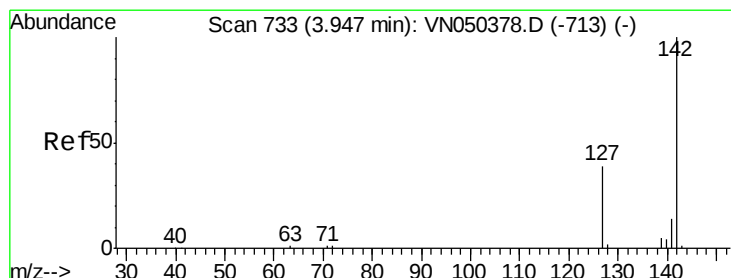
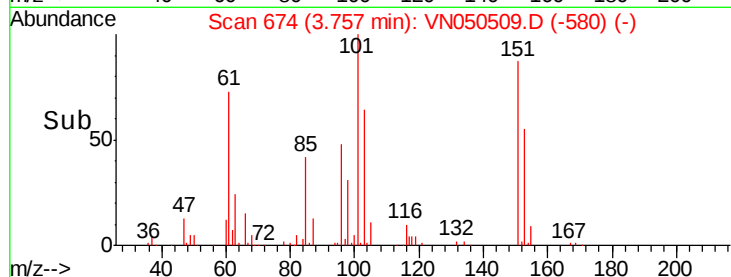
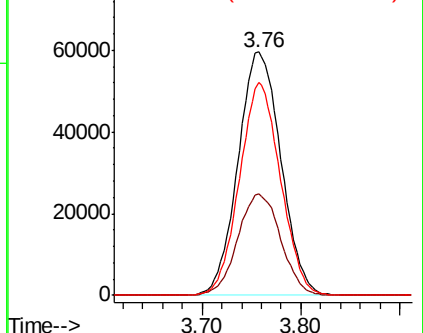
151 83.5 66.3 99.5



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: 20.47 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

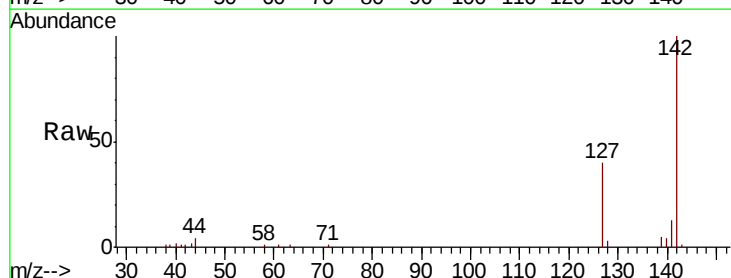
Tgt Ion:142 Resp: 84097

Ion Ratio Lower Upper

142 100

127 40.4 33.4 50.2

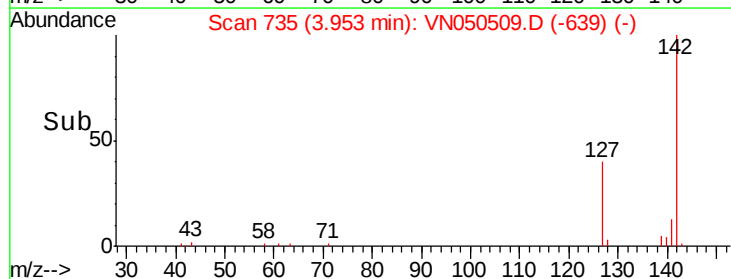
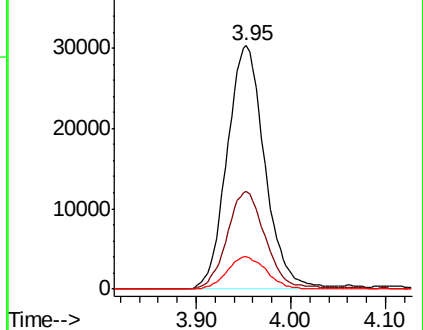
141 13.8 11.6 17.4

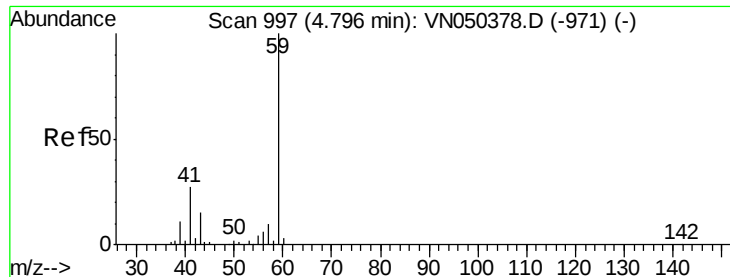


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

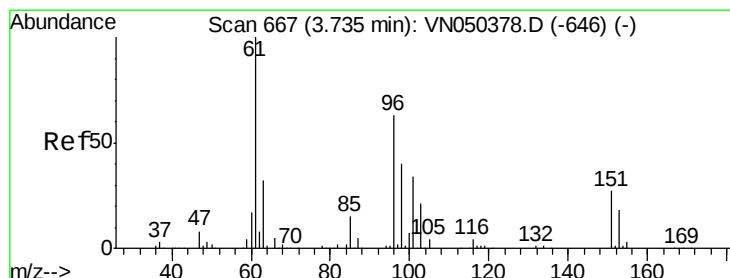
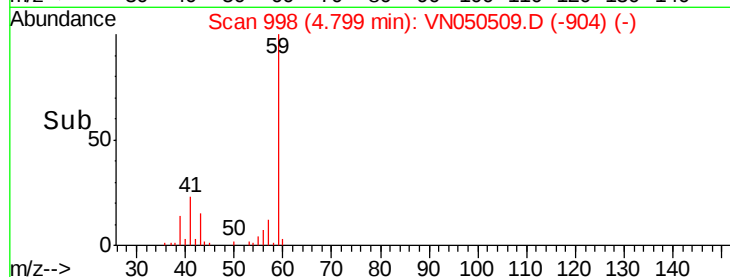
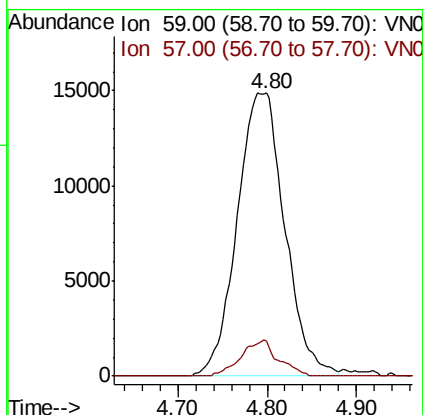
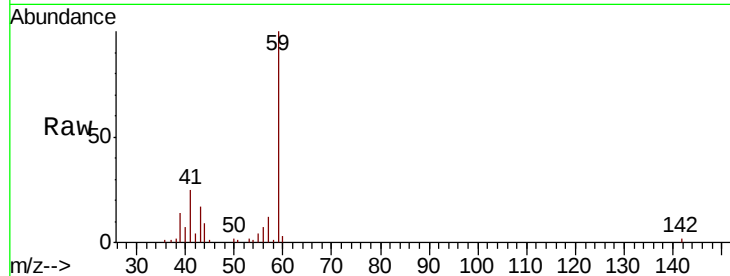




#11
Tert butyl alcohol
Concen: 63.26 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

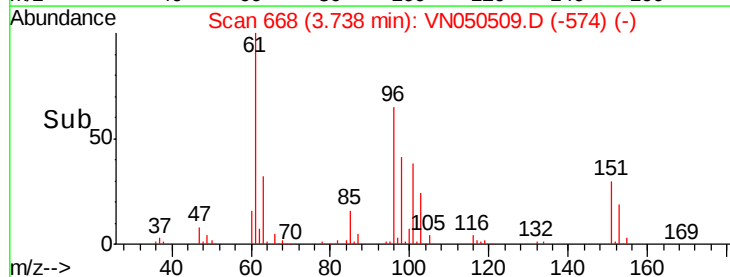
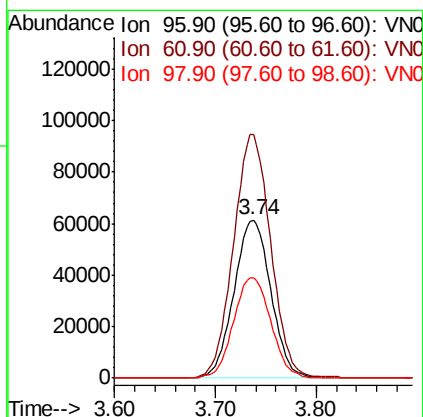
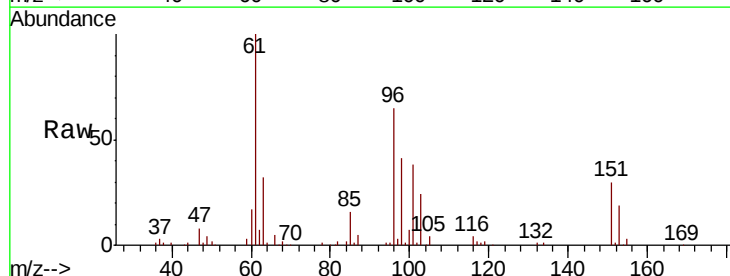
Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

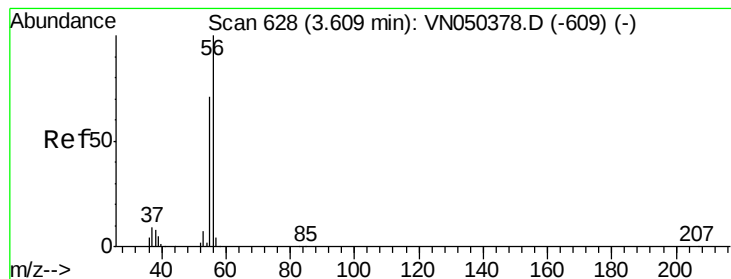
Tot Ion: 59 Resp: 55196
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7



#12
1,1-Dichloroethene
Concen: 17.74 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 96 Resp: 155909
Ion Ratio Lower Upper
96 100
61 153.9 124.4 186.6
98 63.7 48.3 72.5





#13

Acrolein

Concen: 50.44 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

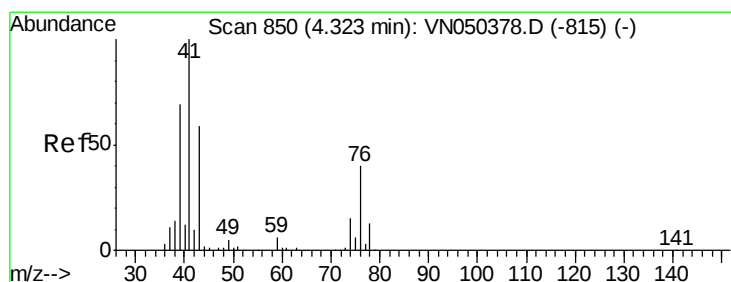
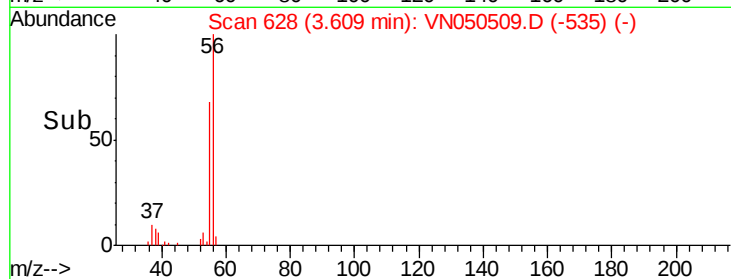
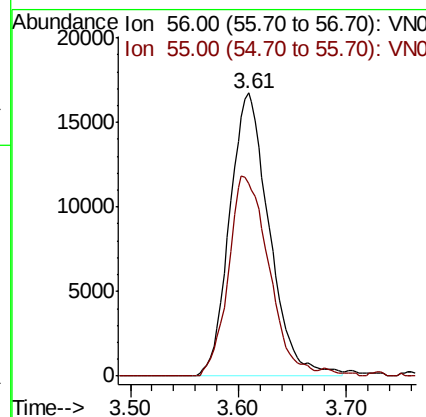
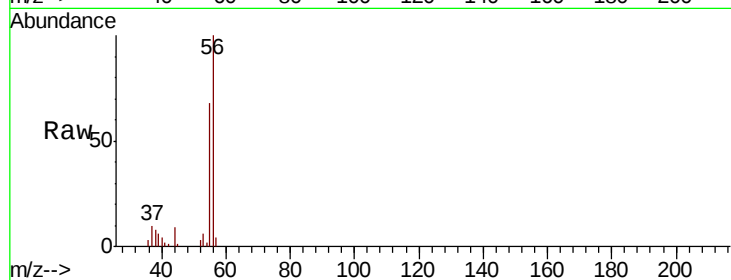
VN0810WBS01

Tot Ion: 56 Resp: 42768

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.6



#14

Allyl chloride

Concen: 17.10 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

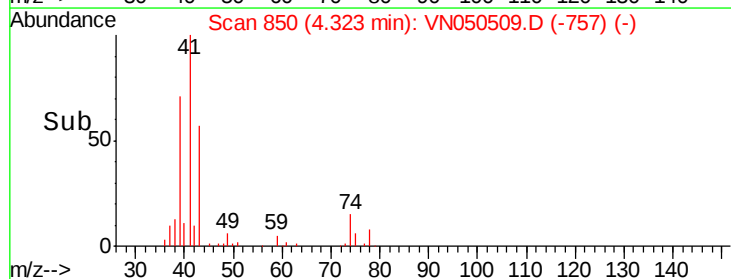
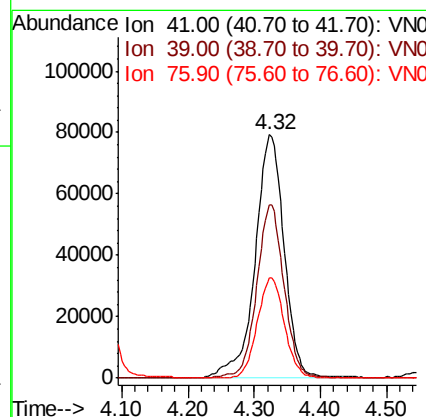
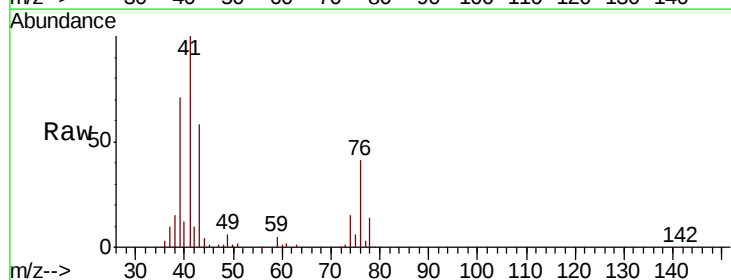
Tgt Ion: 41 Resp: 241419

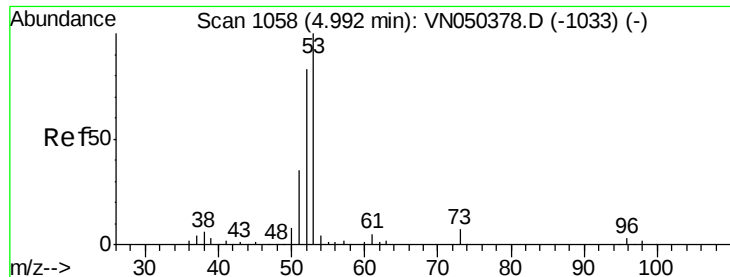
Ion Ratio Lower Upper

41 100

39 66.9 54.2 81.4

76 37.9 29.0 43.6





#15

Acrylonitrile

Concen: 73.78 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

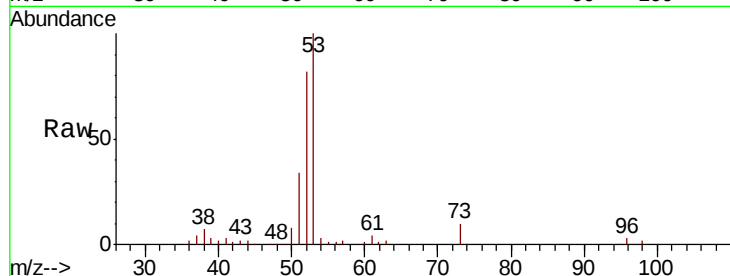
Tot Ion: 53 Resp: 269655

Ion Ratio Lower Upper

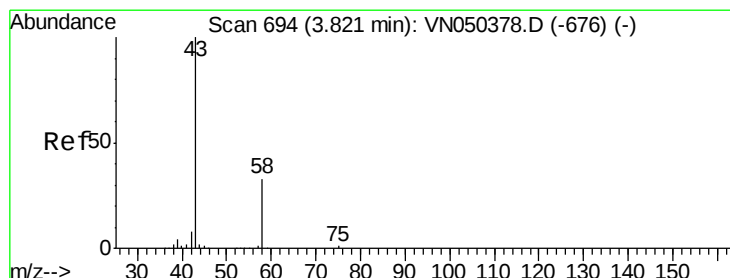
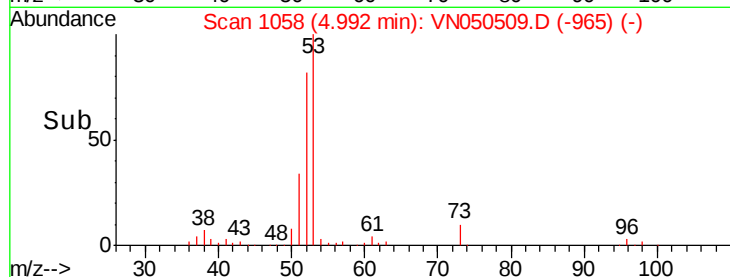
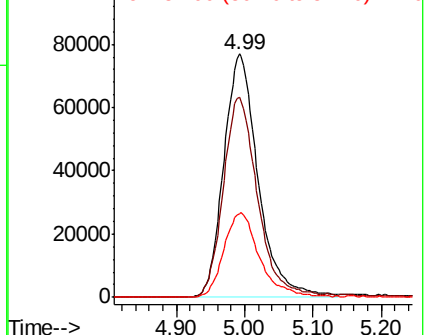
53 100

52 82.0 66.2 99.2

51 36.0 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: 76.64 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050509.D

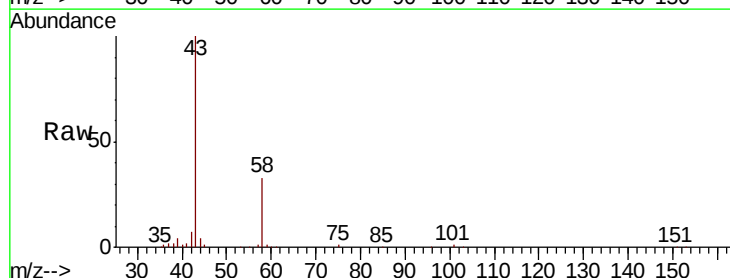
Acq: 10 Aug 2018 11:39

Tgt Ion: 43 Resp: 249076

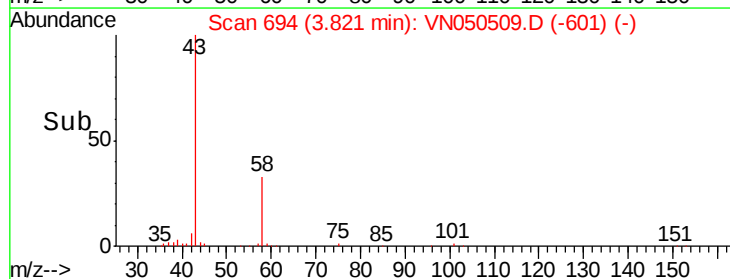
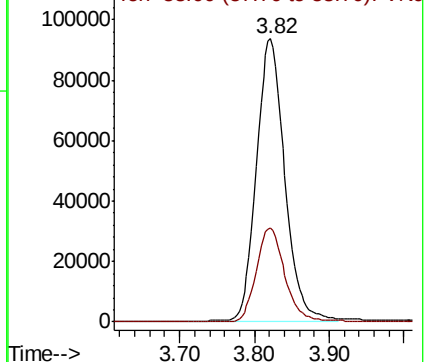
Ion Ratio Lower Upper

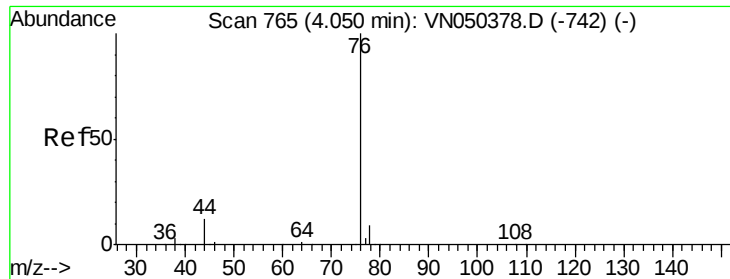
43 100

58 33.0 25.8 38.8



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

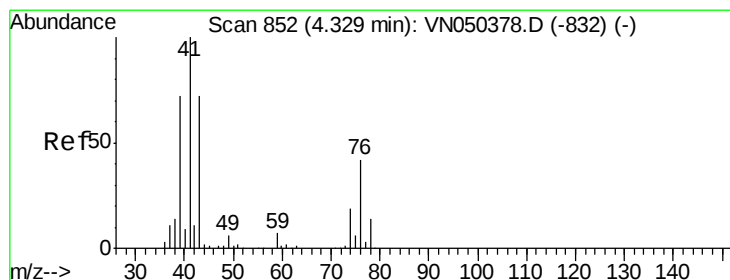
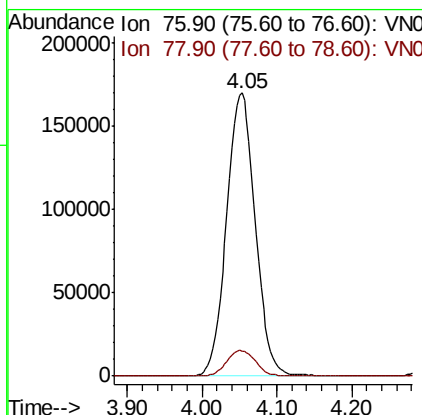
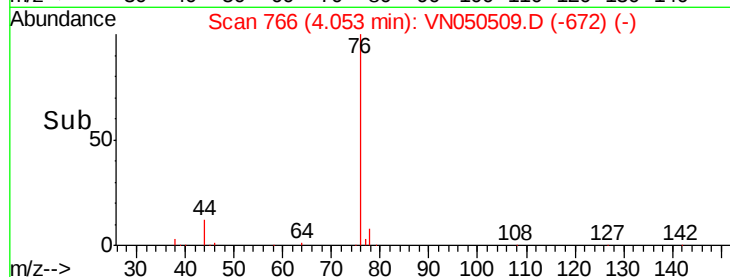
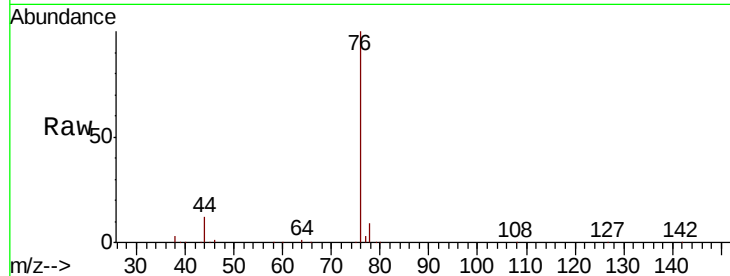




#17
Carbon Disulfide
Concen: 15.86 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

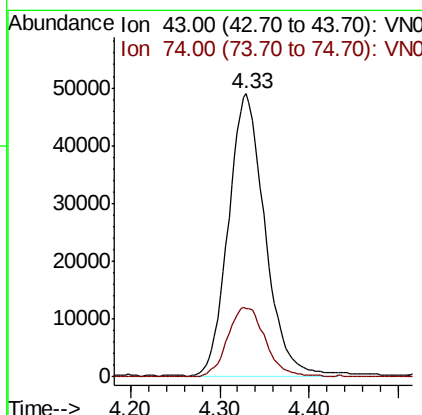
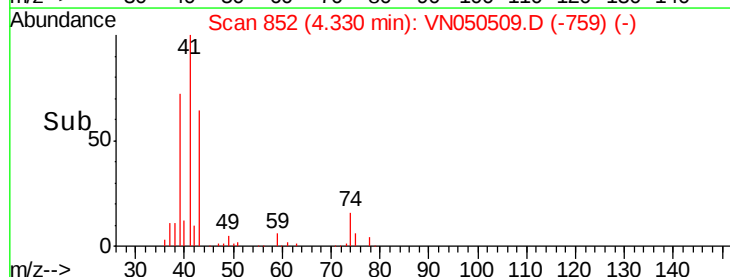
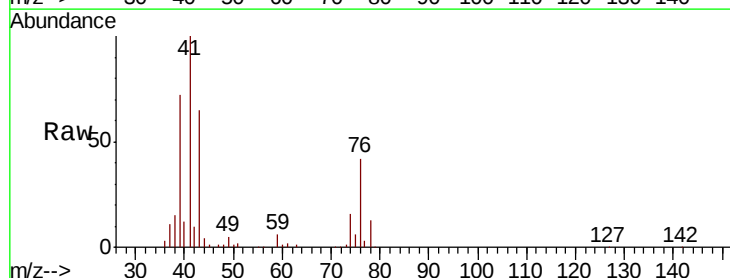
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

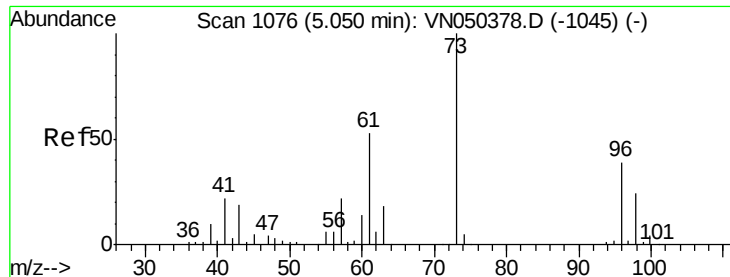
Tot Ion: 76 Resp: 453331
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 16.34 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 43 Resp: 138610
Ion Ratio Lower Upper
43 100
74 25.3 19.2 28.8

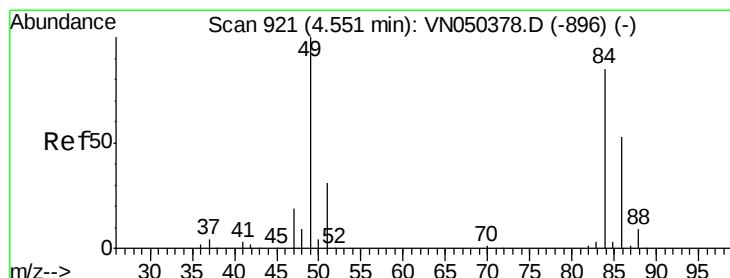
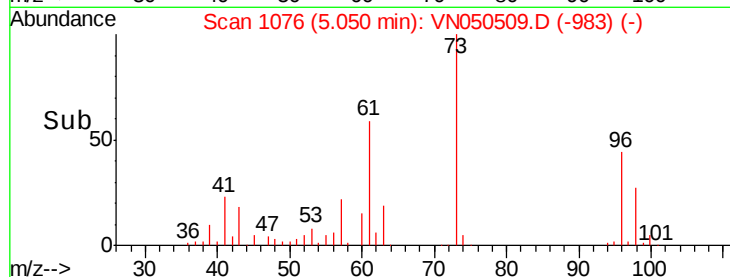
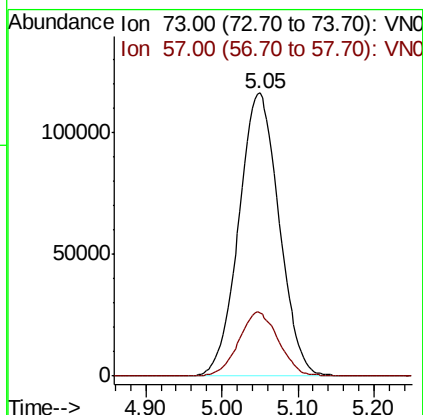
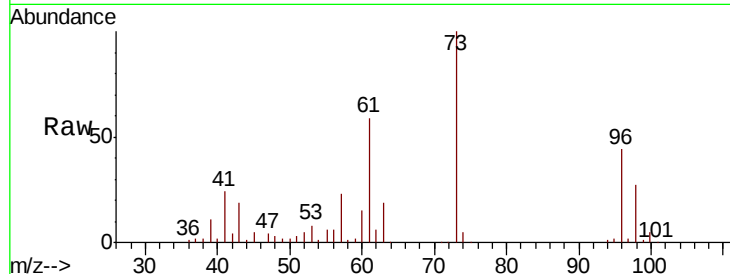




#19
Methyl tert-butyl Ether
Concen: 17.12 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

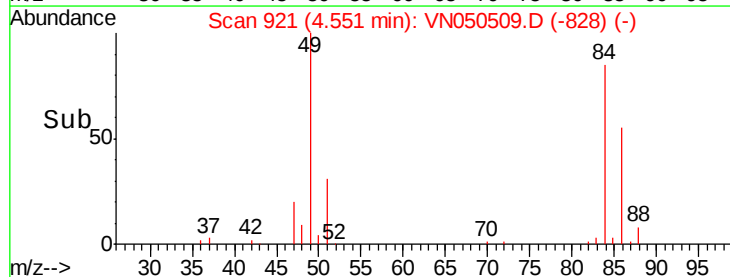
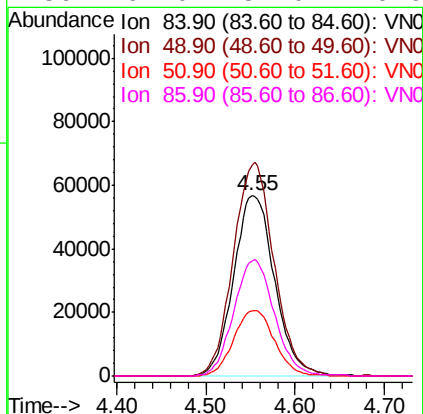
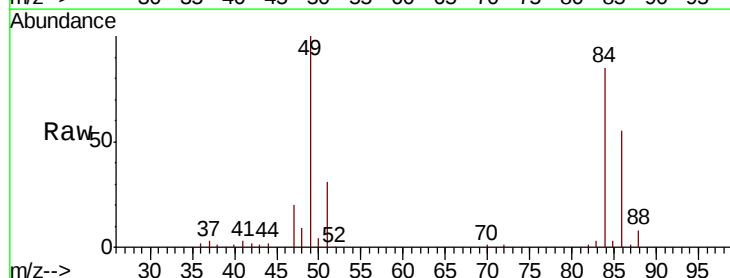
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

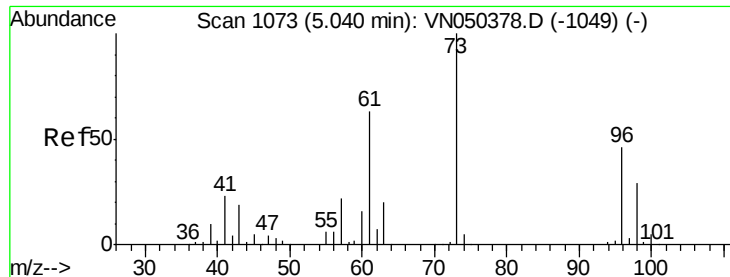
Tot Ion: 73 Resp: 427104
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 17.27 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 84 Resp: 181111
Ion Ratio Lower Upper
84 100
49 117.3 94.8 142.2
51 36.4 28.3 42.5
86 64.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.74 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

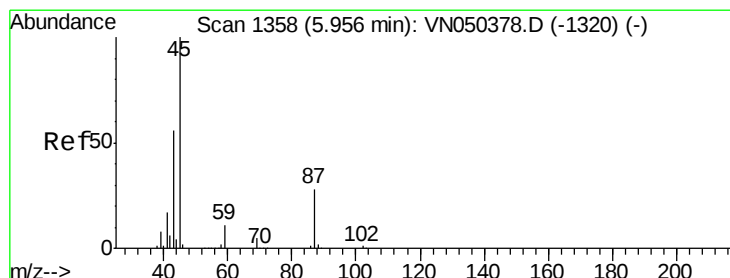
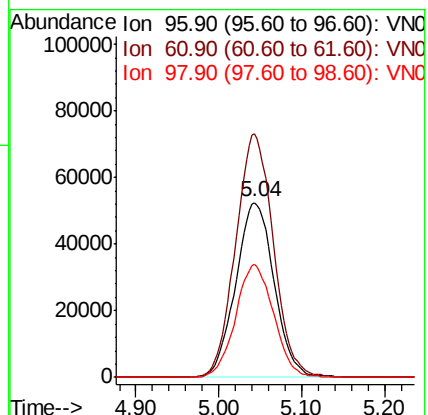
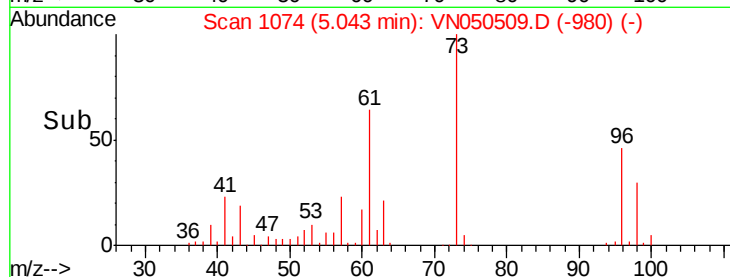
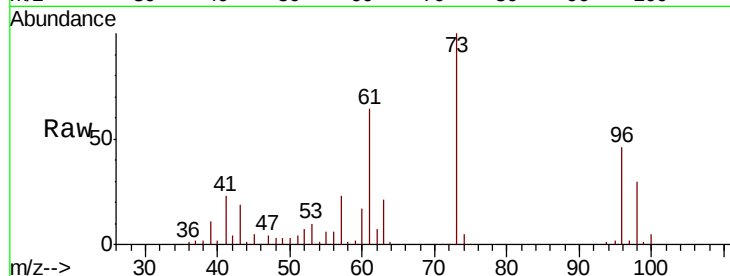
Tot Ion: 96 Resp: 168707

Ion Ratio Lower Upper

96 100

61 139.5 110.7 166.1

98 65.0 51.6 77.4



#22

Diisopropyl ether

Concen: 18.46 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion: 45 Resp: 532271

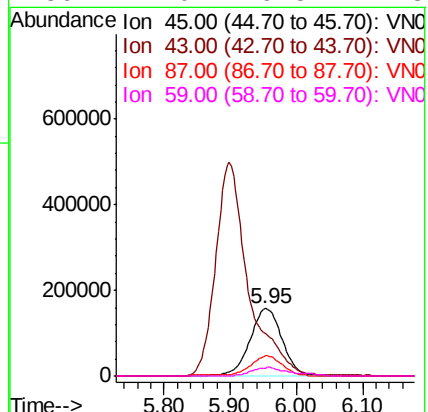
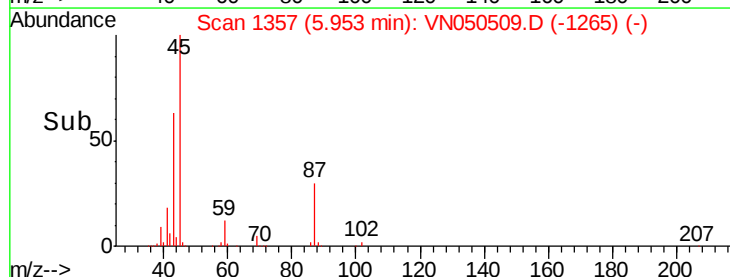
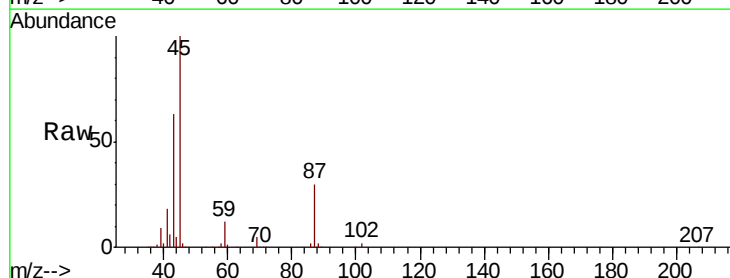
Ion Ratio Lower Upper

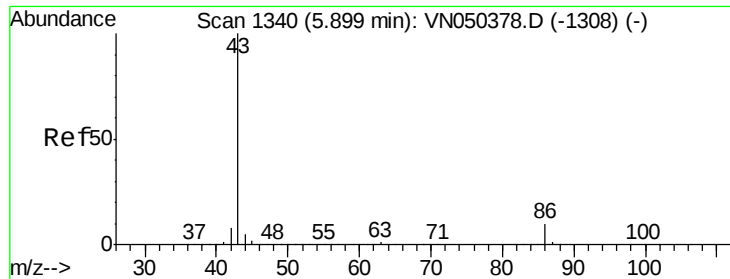
45 100

43 61.1 45.7 68.5

87 29.6 22.7 34.1

59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 83.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

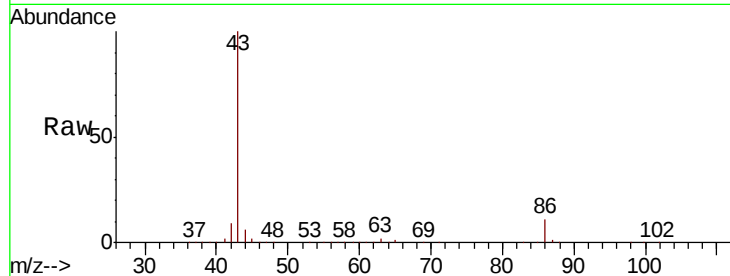
VN0810WBS01

Tot Ion: 43 Resp: 1714466

Ion Ratio Lower Upper

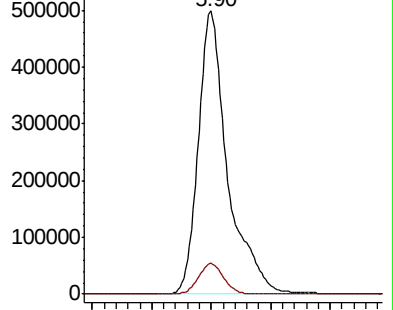
43 100

86 10.8 8.6 13.0

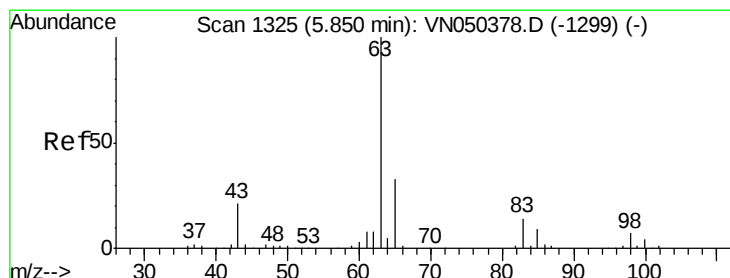
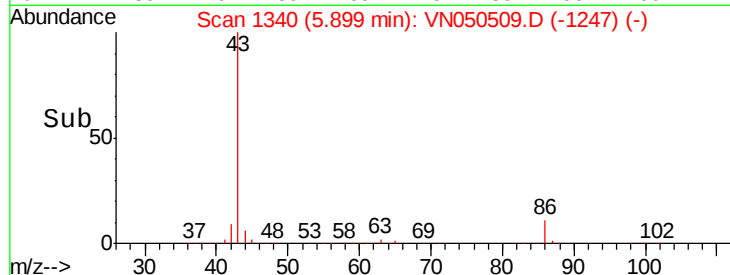


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 18.18 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

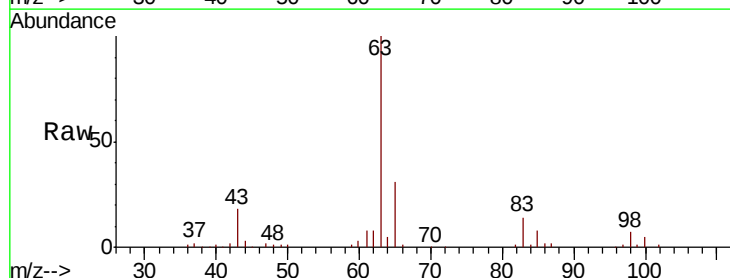
Tgt Ion: 63 Resp: 321559

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

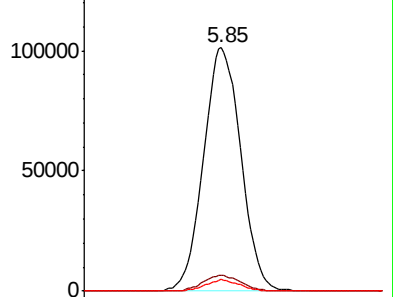
100 4.6 2.1 6.3



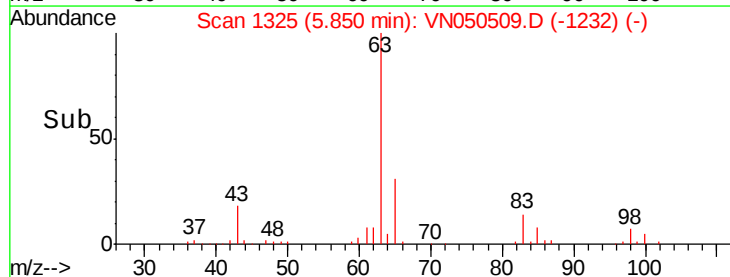
Abundance Ion 62.90 (62.60 to 63.60): VN0

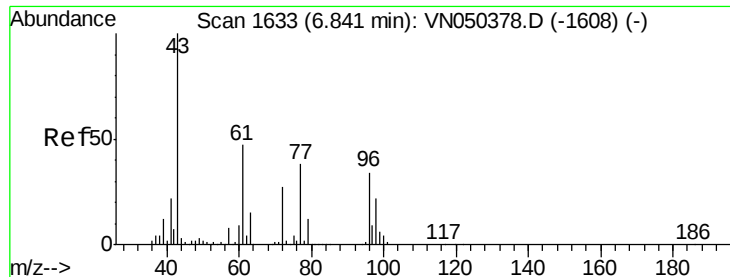
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 73.75 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

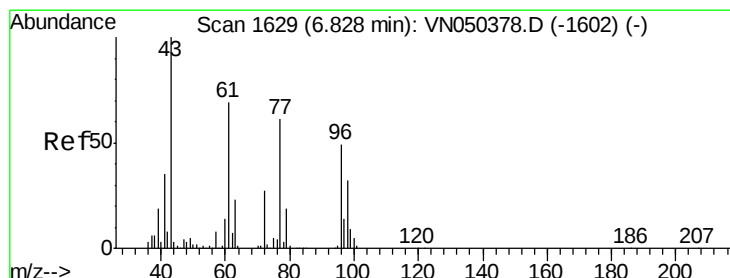
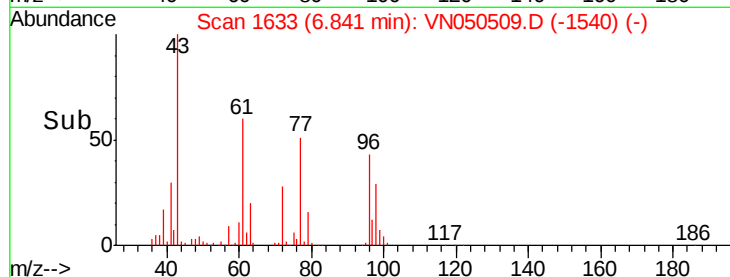
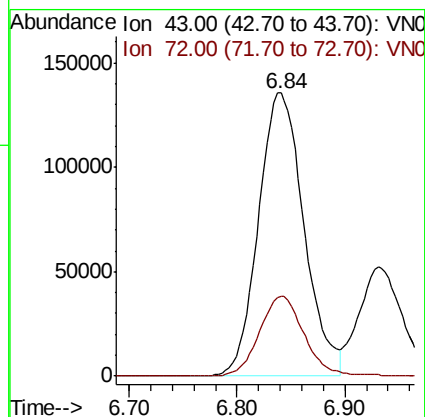
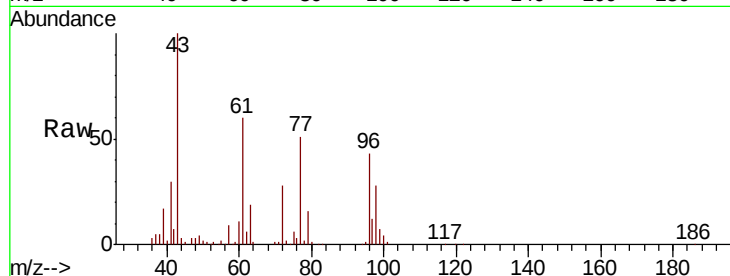
VN0810WBS01

Tot Ion: 43 Resp: 396978

Ion Ratio Lower Upper

43 100

72 28.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 18.45 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050509.D

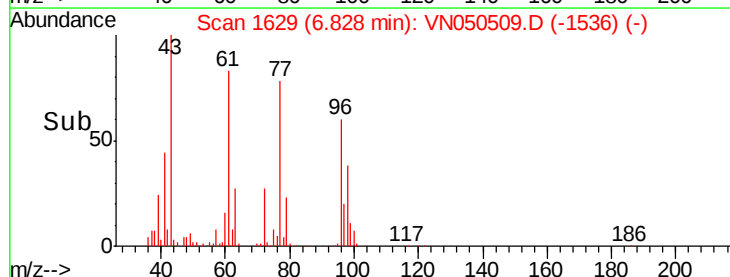
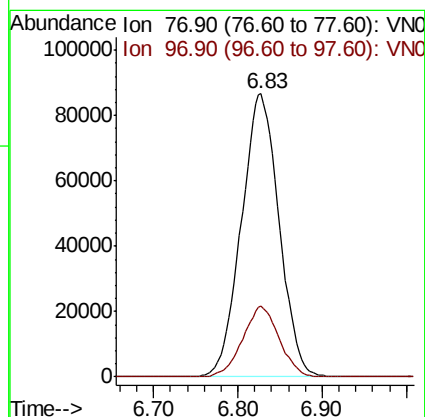
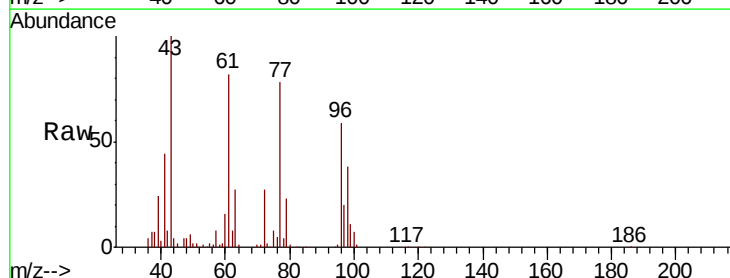
Acq: 10 Aug 2018 11:39

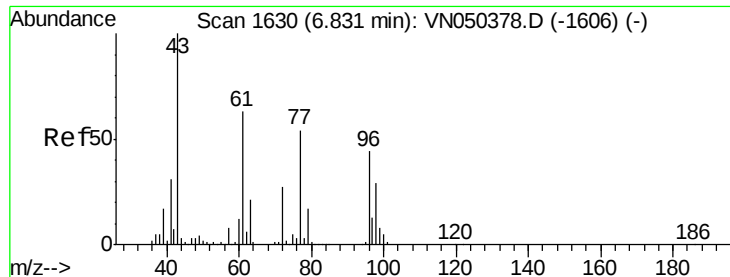
Tgt Ion: 77 Resp: 269054

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.36 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

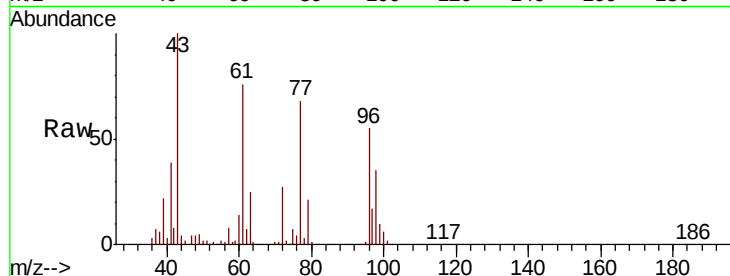
Tot Ion: 96 Resp: 193596

Ion Ratio Lower Upper

96 100

61 140.3 0.0 285.0

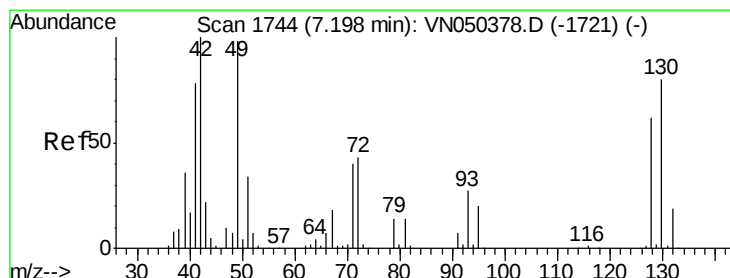
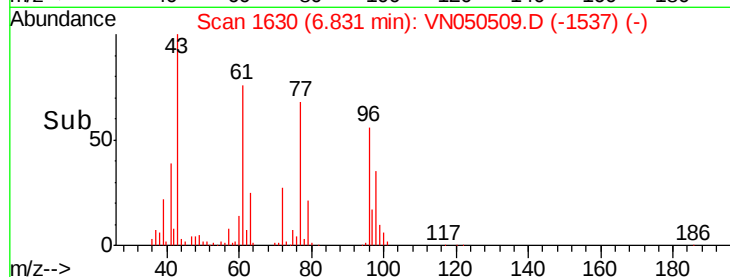
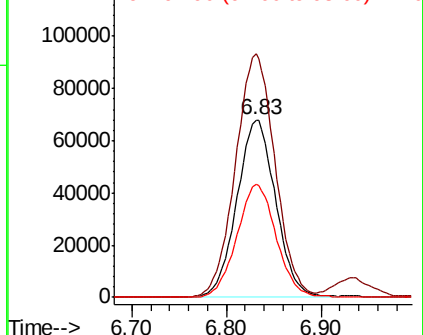
98 64.5 0.0 129.2



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: 17.36 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

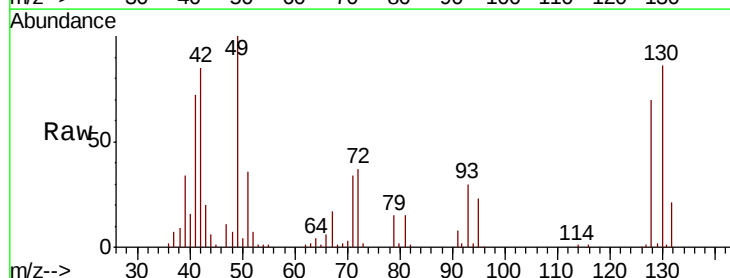
Tgt Ion: 49 Resp: 141390

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.0

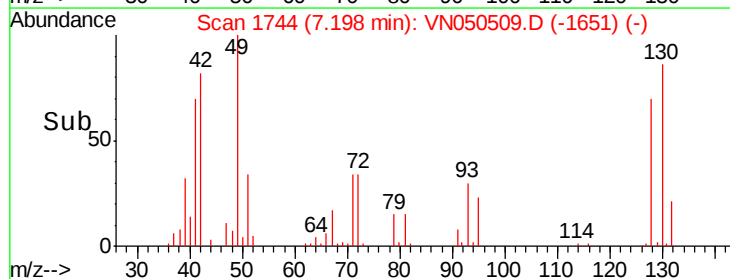
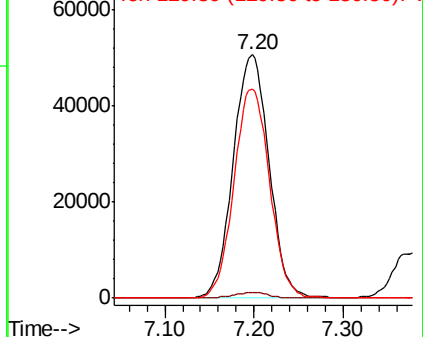
130 85.4 66.3 99.5

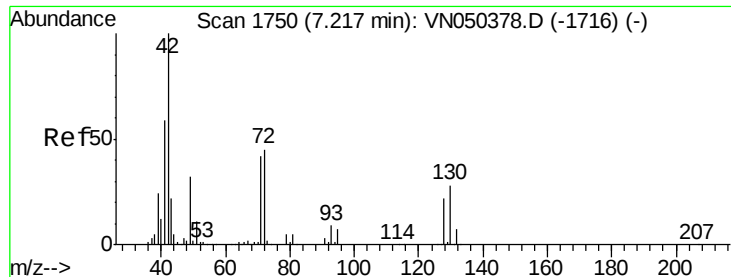


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 71.53 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

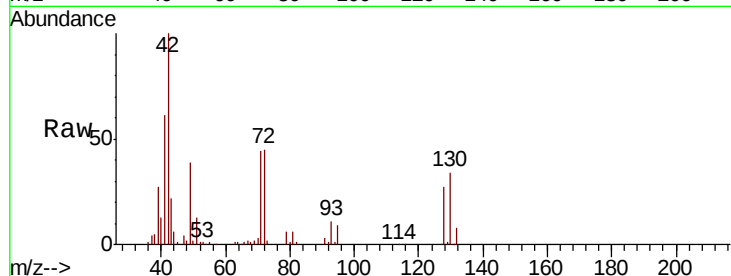
Tot Ion: 42 Resp: 206074

Ion Ratio Lower Upper

42 100

72 44.8 35.9 53.9

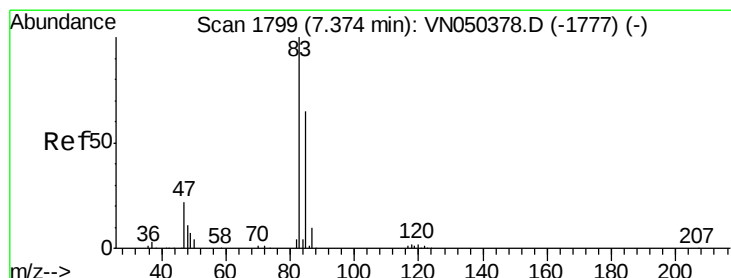
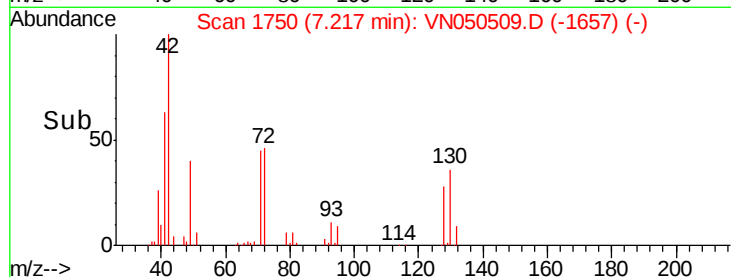
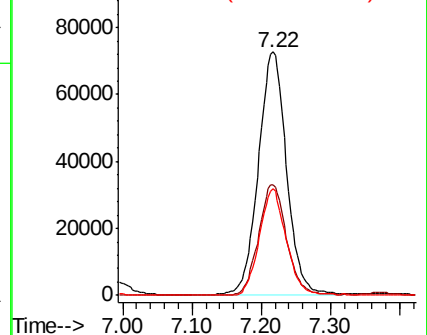
71 41.5 33.7 50.5



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: 18.63 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050509.D

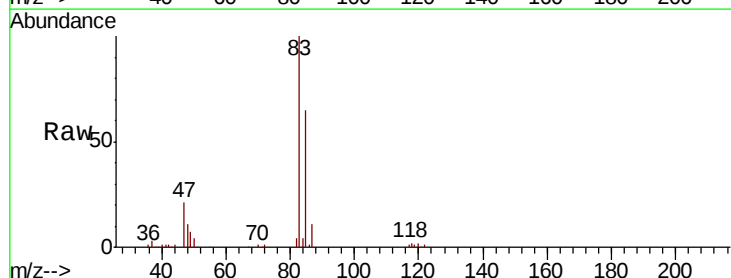
Acq: 10 Aug 2018 11:39

Tgt Ion: 83 Resp: 329573

Ion Ratio Lower Upper

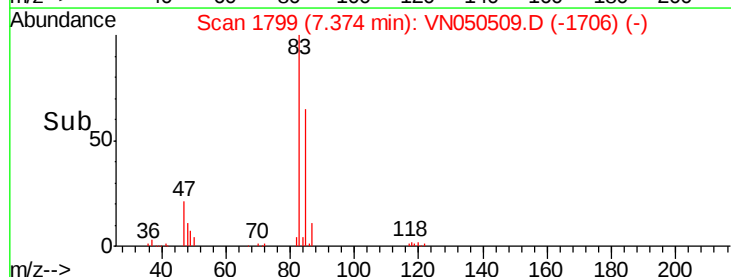
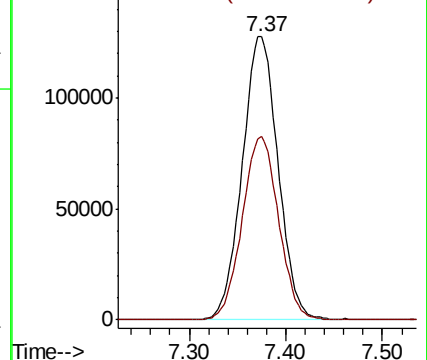
83 100

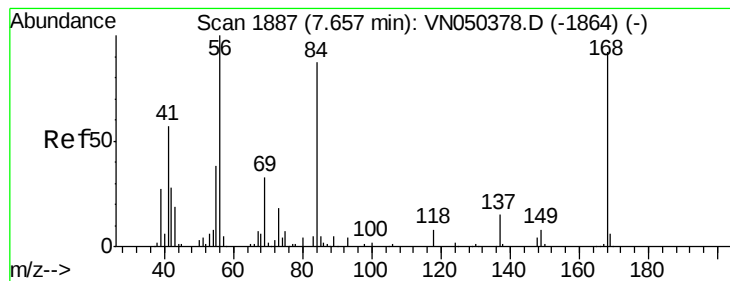
85 64.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.60 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

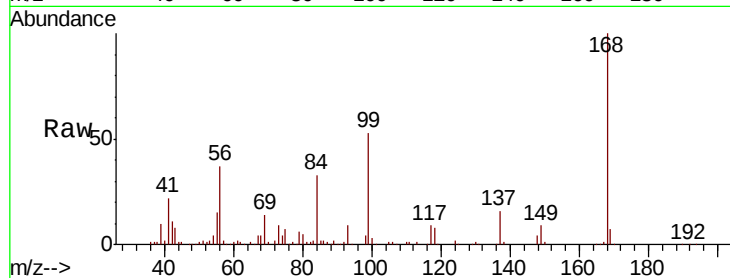
Tot Ion: 56 Resp: 280365

Ion Ratio Lower Upper

56 100

69 37.9 26.2 39.4

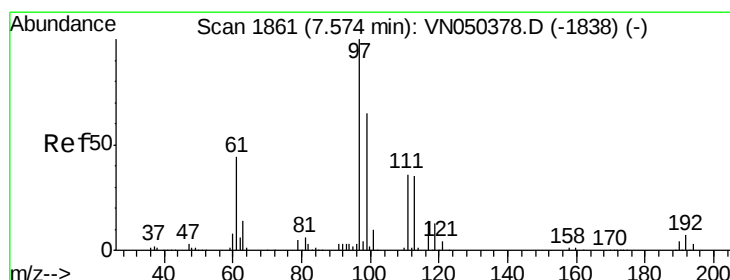
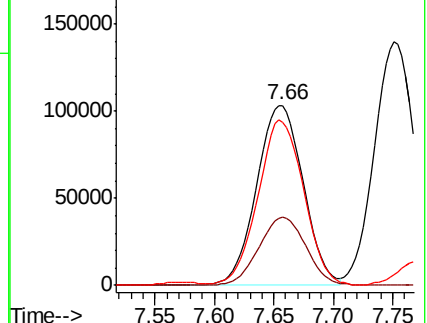
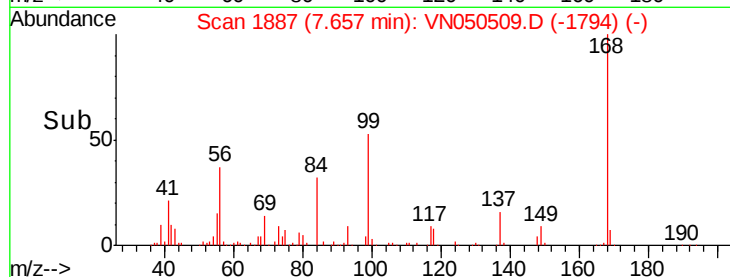
84 89.3 67.4 101.0



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: 18.61 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

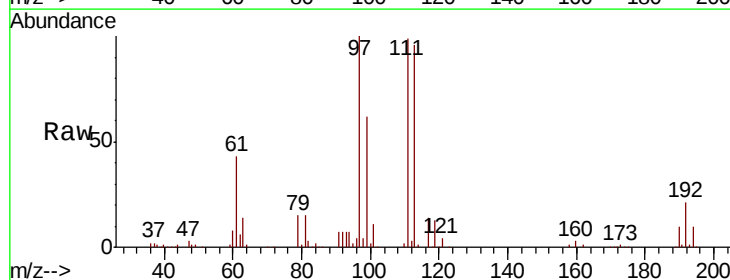
Tgt Ion: 97 Resp: 282712

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.0

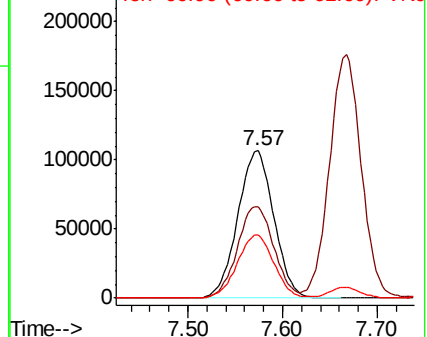
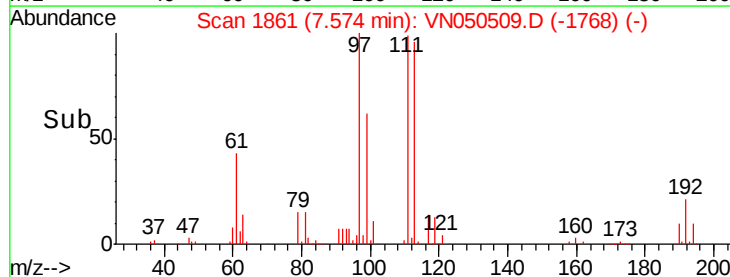
61 43.4 35.4 53.0

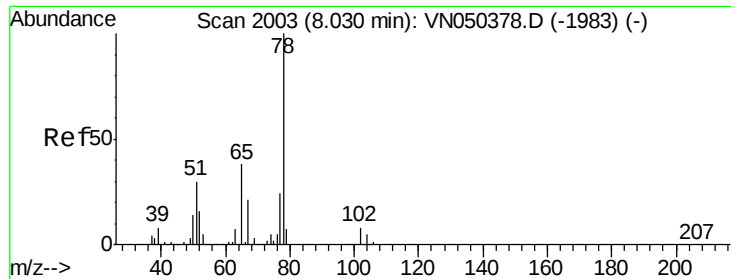


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

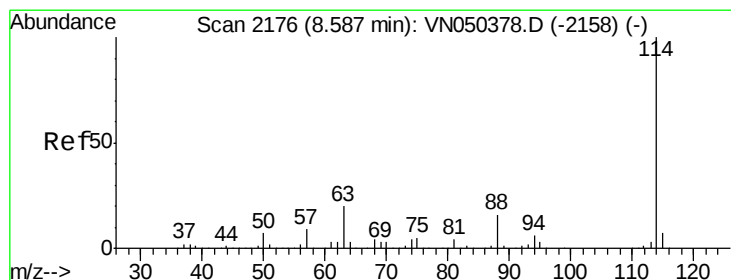
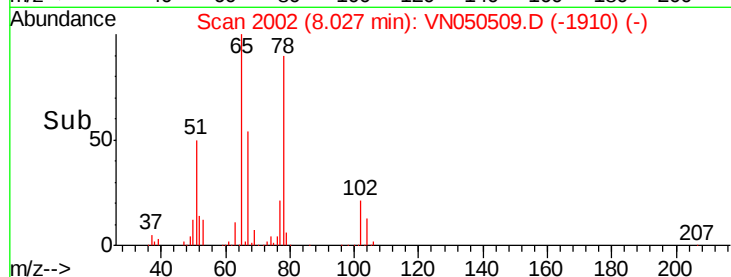
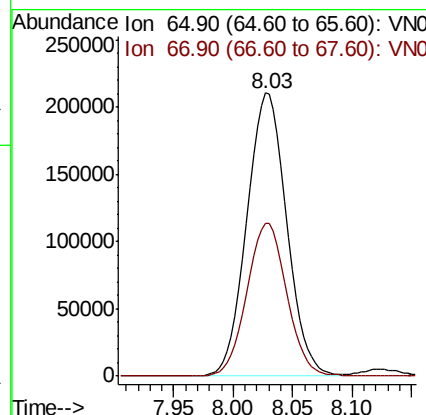
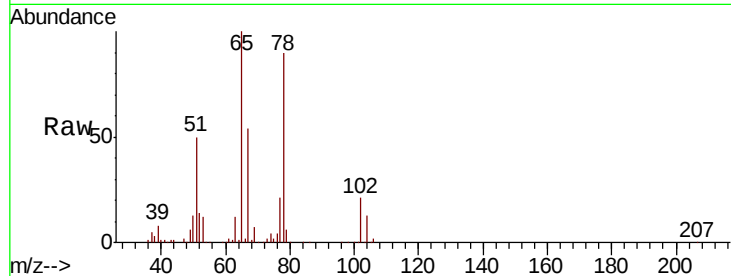




#33
 1,2-Dichloroethane-d4
 Concen: 45.04 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

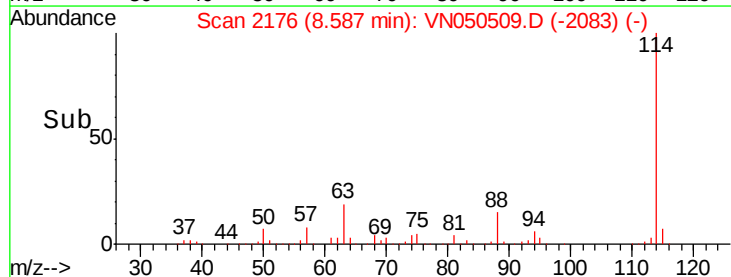
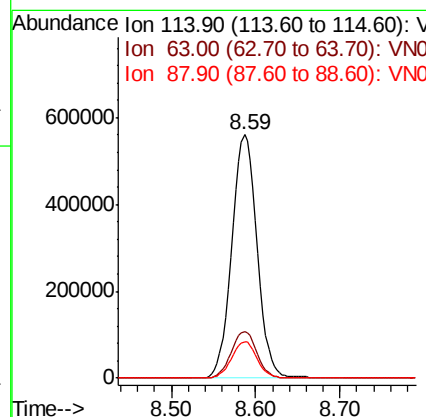
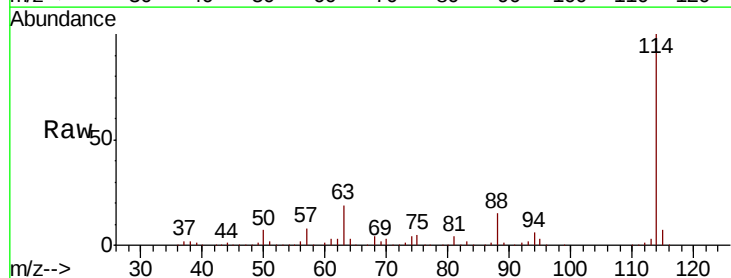
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

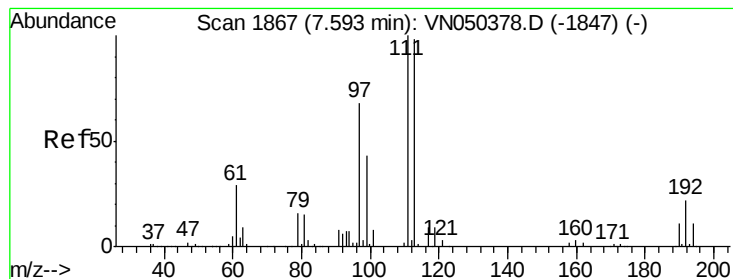
Tot Ion: 65 Resp: 489206
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion: 114 Resp: 1168035
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.86 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

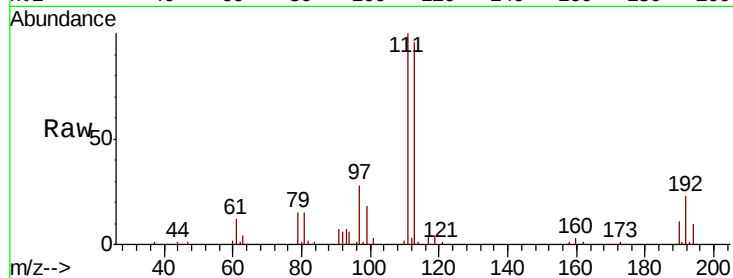
Tot Ion:113 Resp: 457925

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

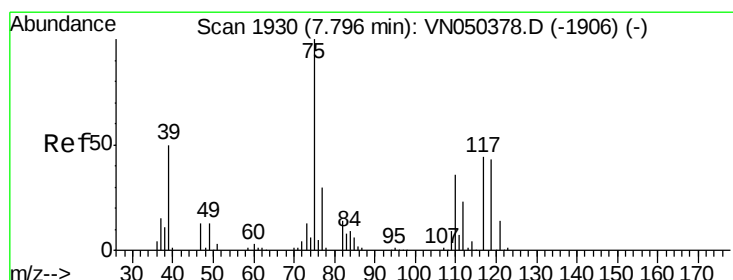
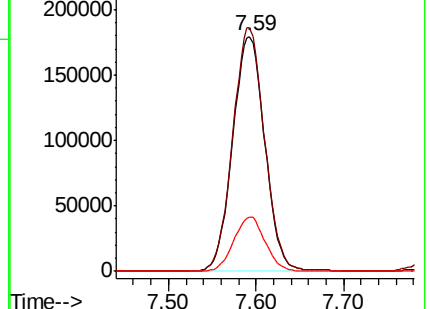
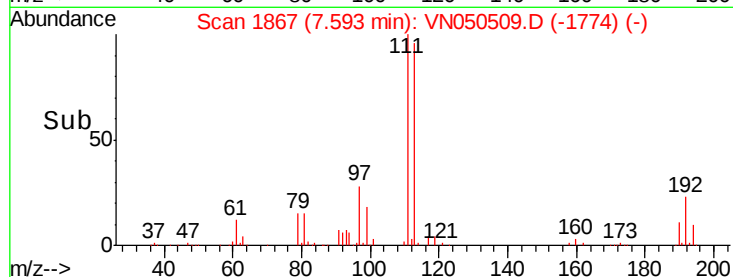
192 22.7 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.88 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

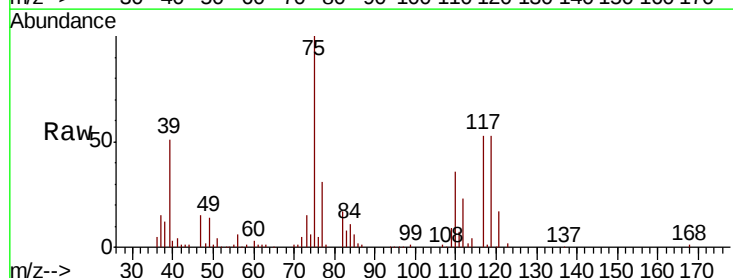
Tgt Ion: 75 Resp: 242324

Ion Ratio Lower Upper

75 100

110 36.6 18.4 55.2

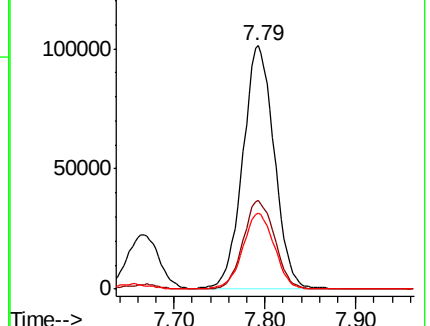
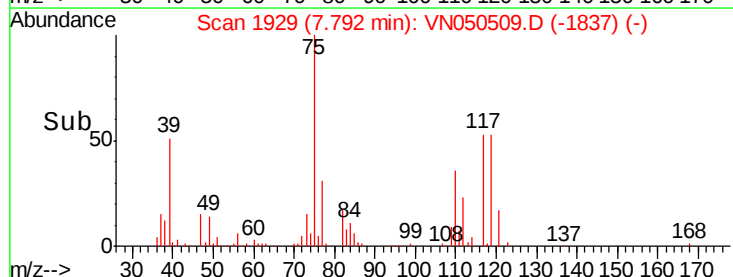
77 31.5 25.3 37.9

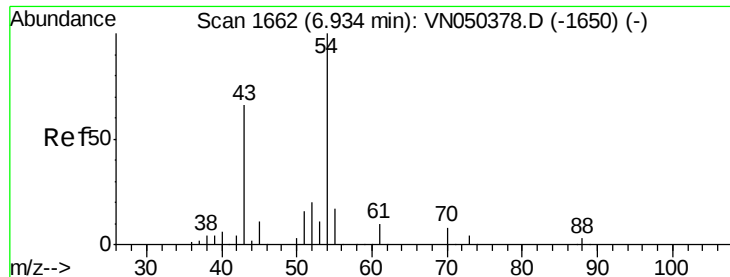


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

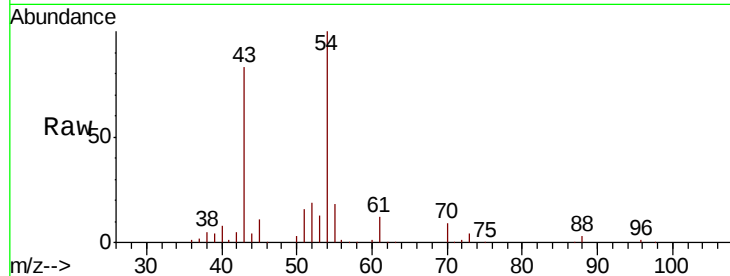




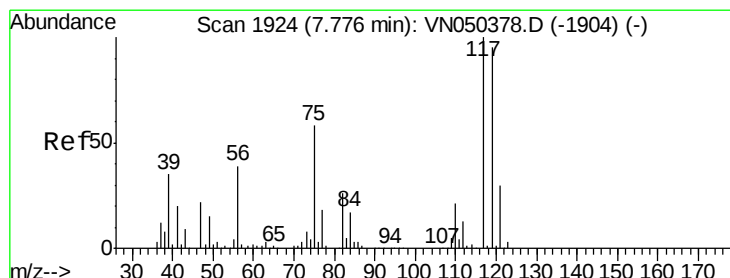
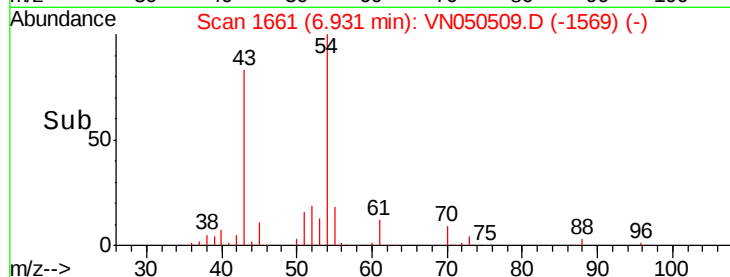
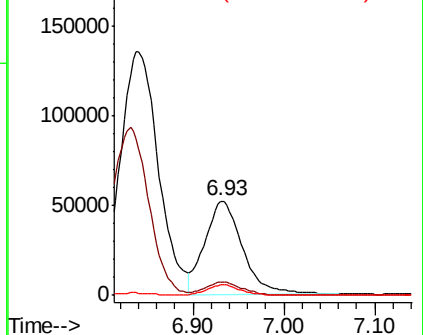
#37
Ethyl Acetate
Concen: 16.08 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion: 43 Resp: 148629
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.8
70 10.3 8.4 12.6

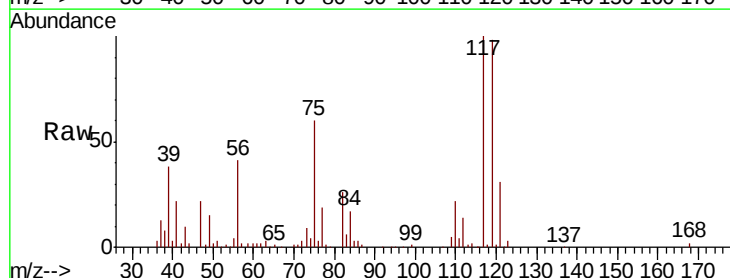


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

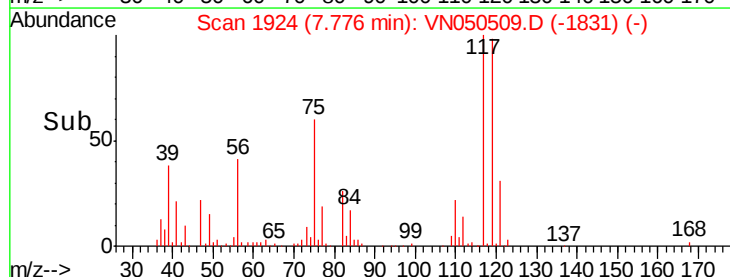
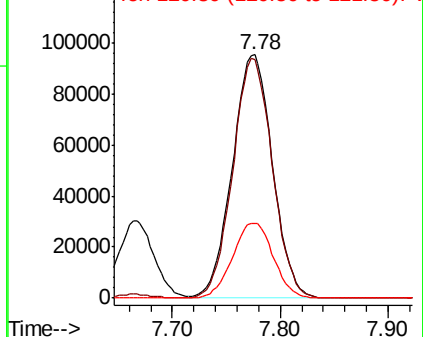


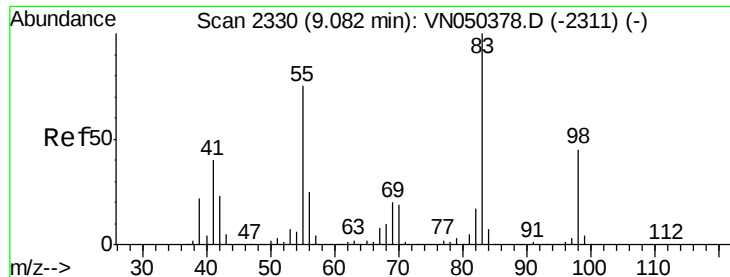
#38
Carbon Tetrachloride
Concen: 18.40 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 117 Resp: 246399
Ion Ratio Lower Upper
117 100
119 98.1 77.4 116.0
121 30.8 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

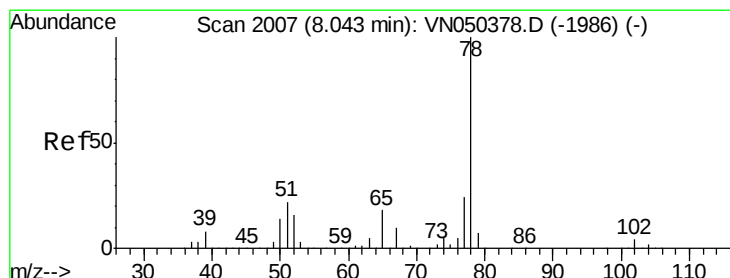
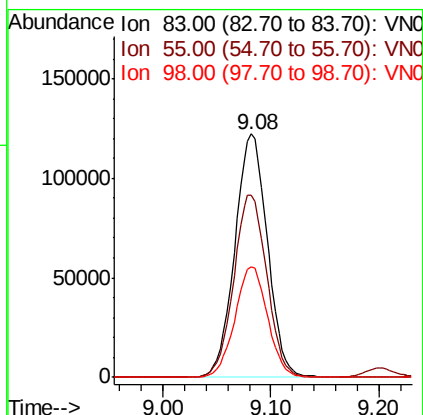
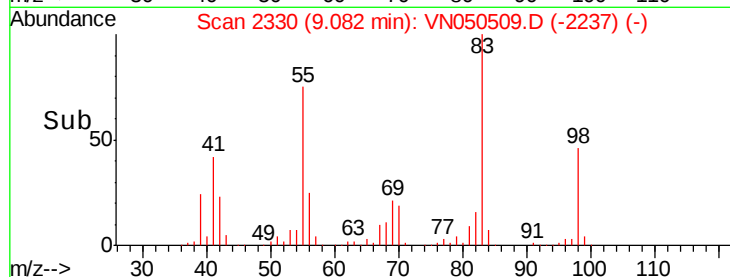
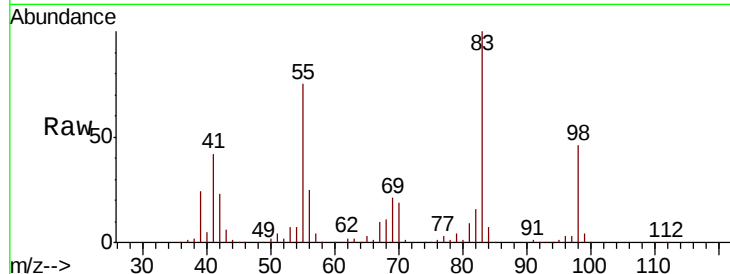




#39
Methvlcvclohexane
Concen: 18.36 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

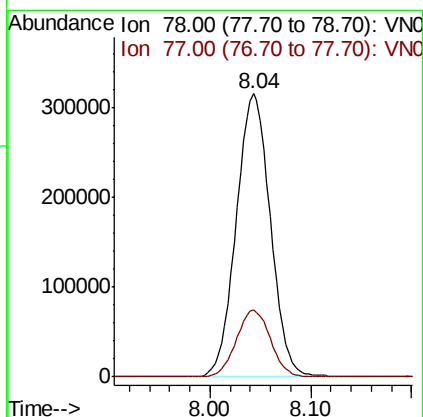
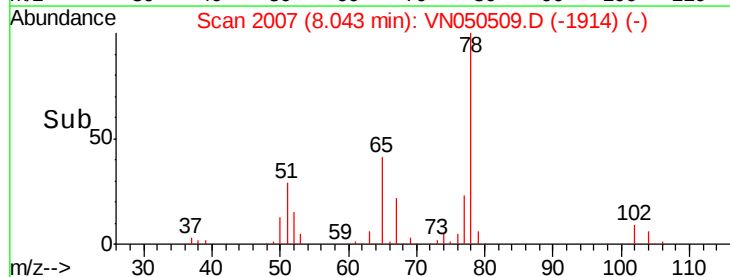
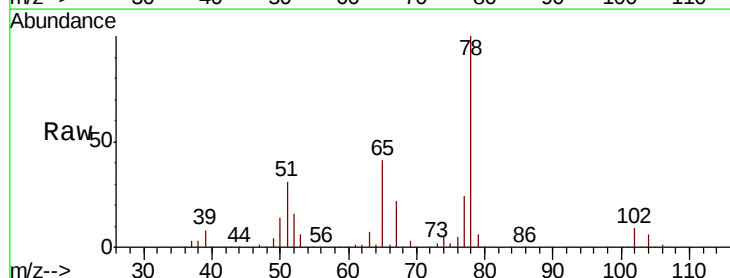
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

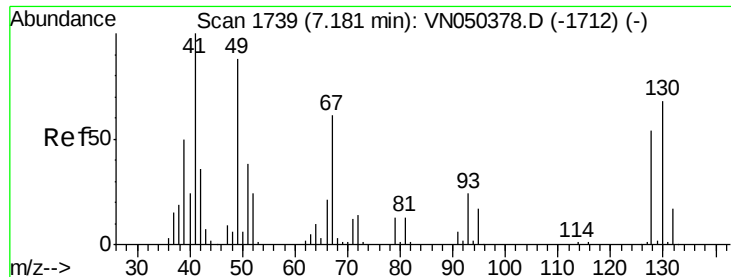
Tot Ion: 83 Resp: 257155
Ion Ratio Lower Upper
83 100
55 75.1 61.8 92.8
98 45.6 36.5 54.7



#40
Benzene
Concen: 18.71 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 78 Resp: 738254
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

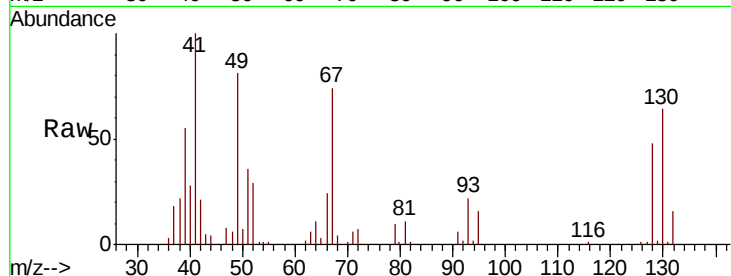




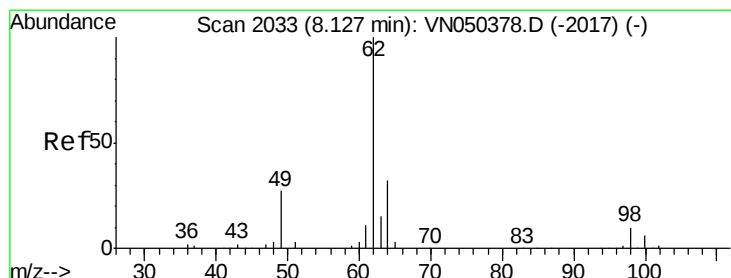
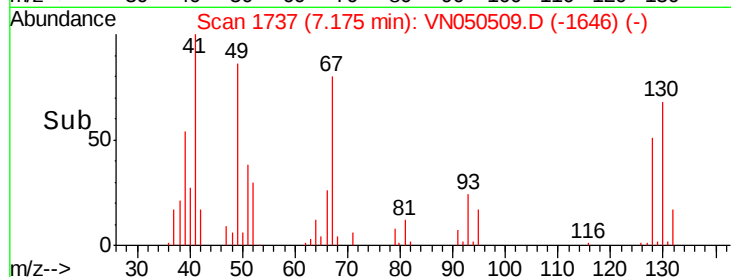
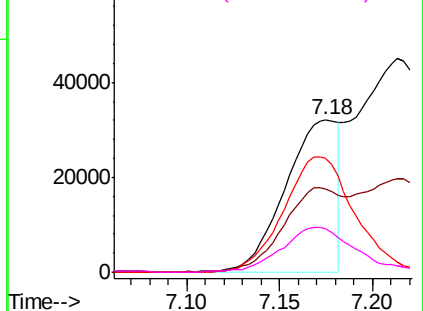
#41
Methacrylonitrile
Concen: 12.88 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion: 41 Resp: 63279
Ion Ratio Lower Upper
41 100
39 61.3 55.8 83.6
67 103.5 84.3 126.5
52 42.0 34.2 51.2

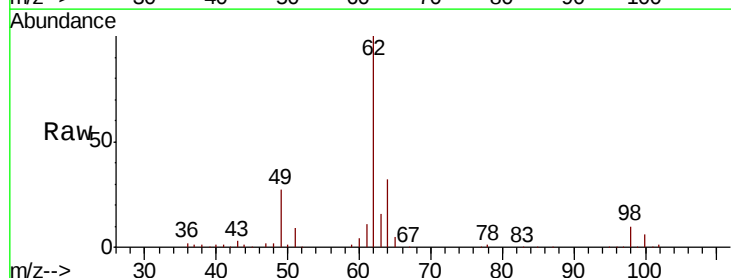


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

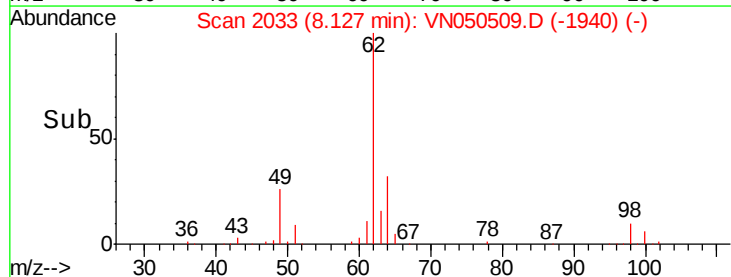
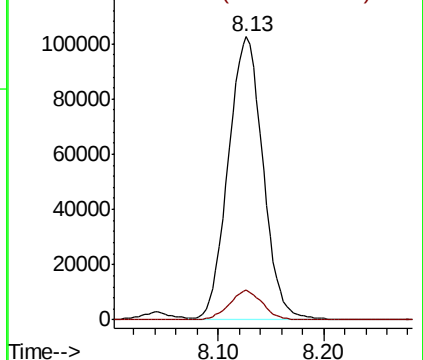


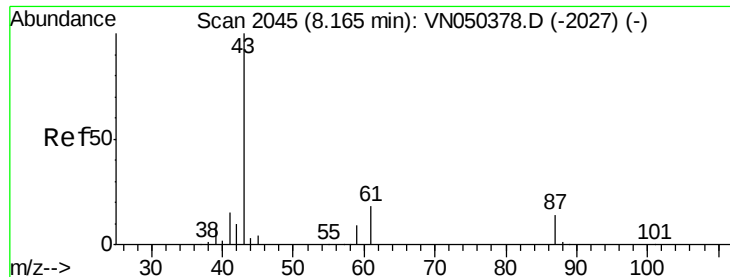
#42
1,2-Dichloroethane
Concen: 18.61 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 62 Resp: 233117
Ion Ratio Lower Upper
62 100
98 10.0 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 15.90 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

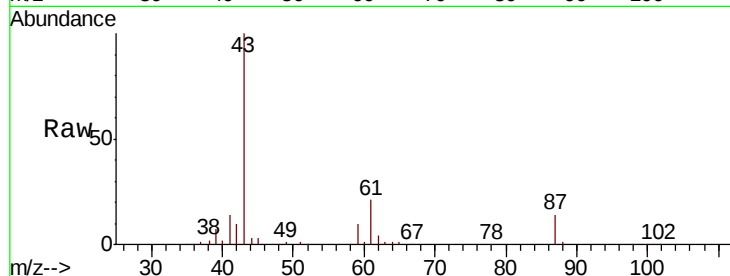
Tot Ion: 43 Resp: 253649

Ion Ratio Lower Upper

43 100

61 30.1 15.8 23.6#

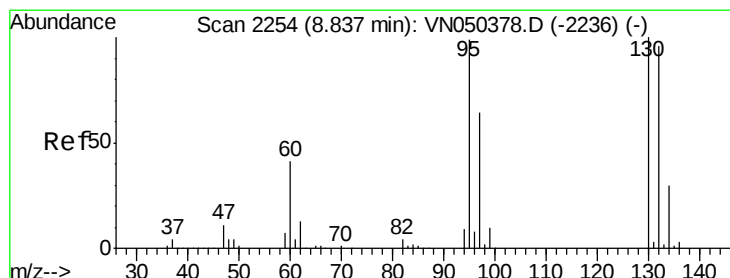
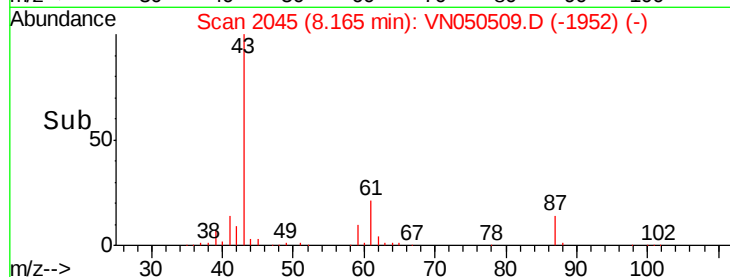
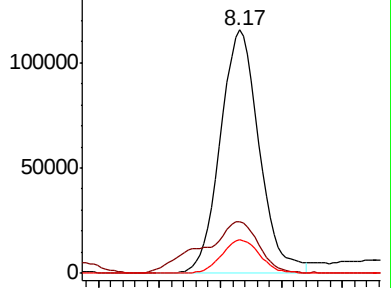
87 13.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



#44

Trichloroethene

Concen: 18.75 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050509.D

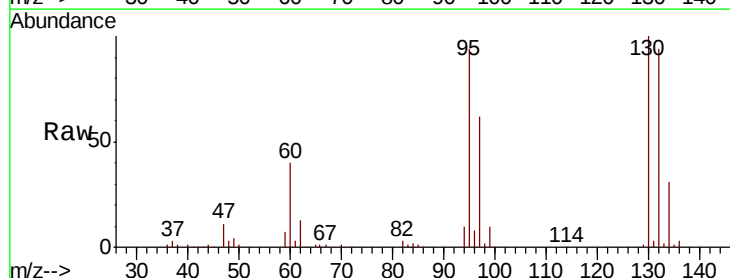
Acq: 10 Aug 2018 11:39

Tgt Ion:130 Resp: 198809

Ion Ratio Lower Upper

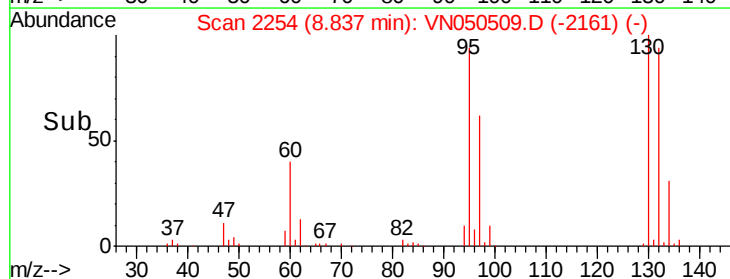
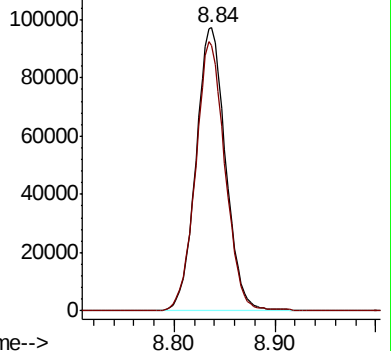
130 100

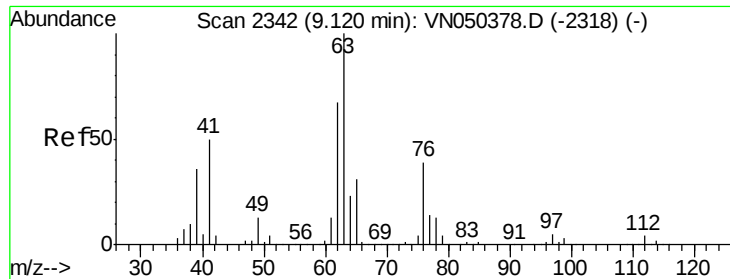
95 93.7 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 18.77 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

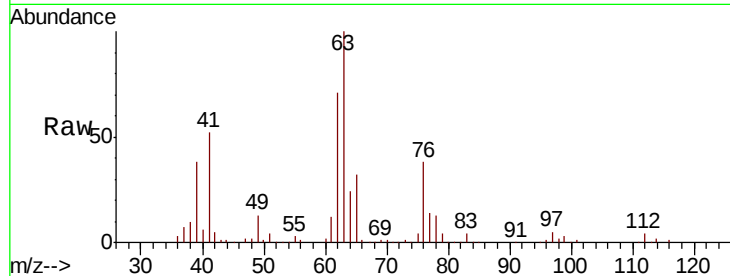
VN0810WBS01

Tot Ion: 63 Resp: 194729

Ion Ratio Lower Upper

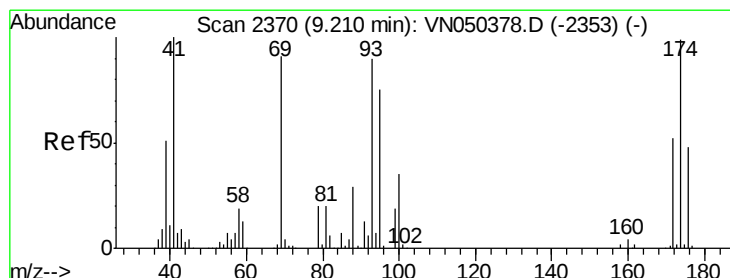
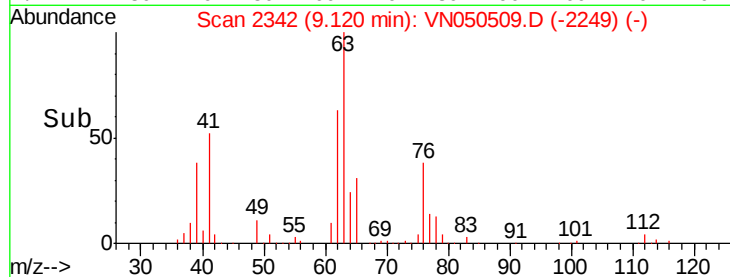
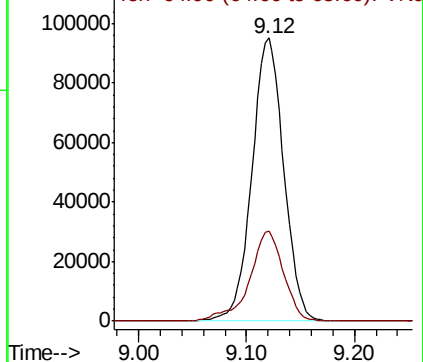
63 100

65 31.8 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.07 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

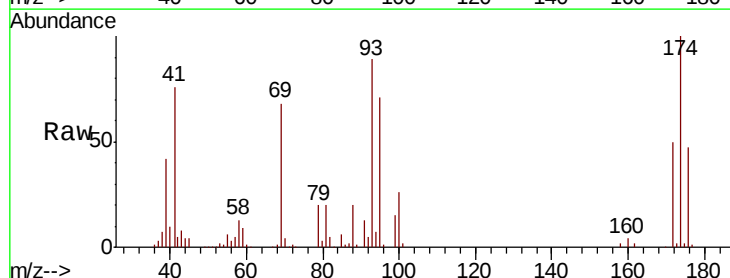
Tgt Ion: 93 Resp: 115732

Ion Ratio Lower Upper

93 100

95 81.5 66.6 100.0

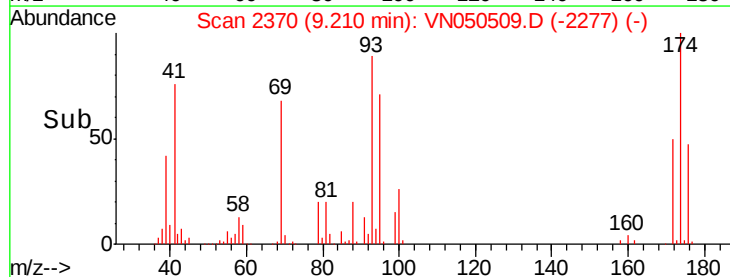
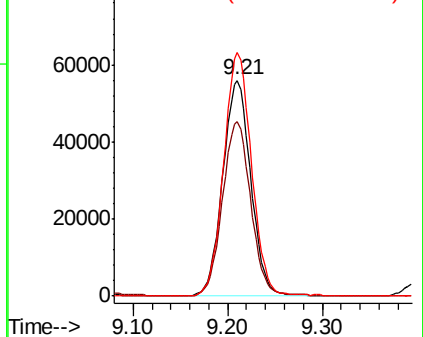
174 111.2 87.1 130.7

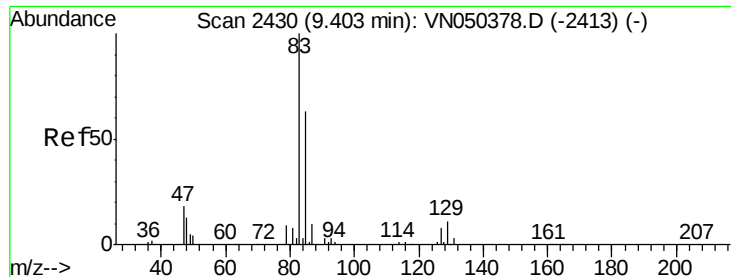


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.47 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

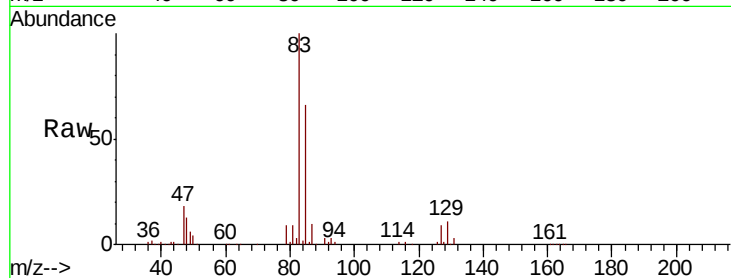
Tot Ion: 83 Resp: 245112

Ion Ratio Lower Upper

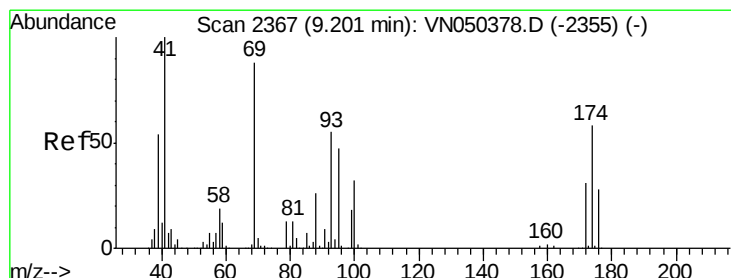
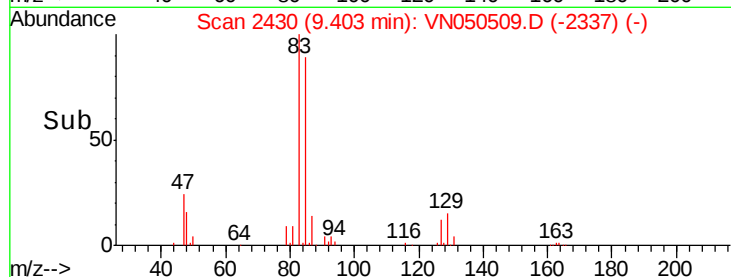
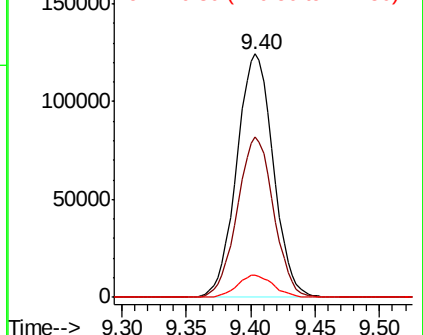
83 100

85 65.7 51.1 76.7

127 9.0 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: 15.65 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

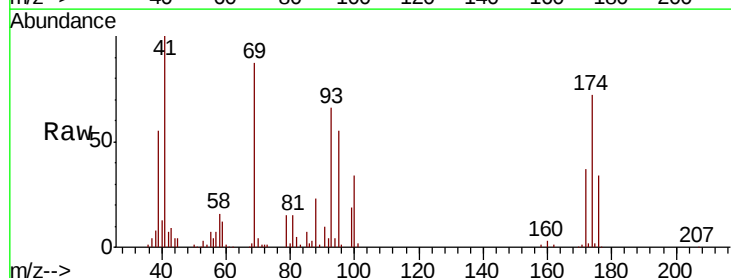
Tgt Ion: 41 Resp: 125122

Ion Ratio Lower Upper

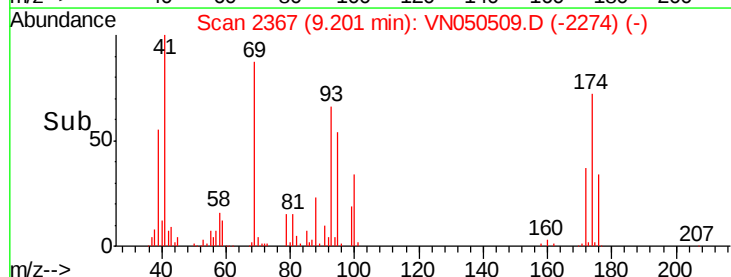
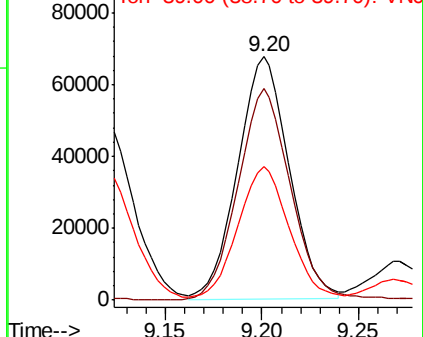
41 100

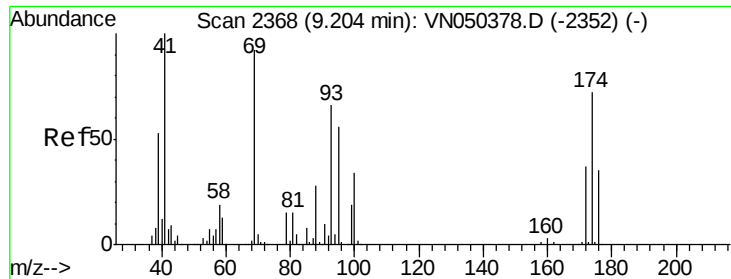
69 89.8 70.6 105.8

39 54.3 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: 271.21 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

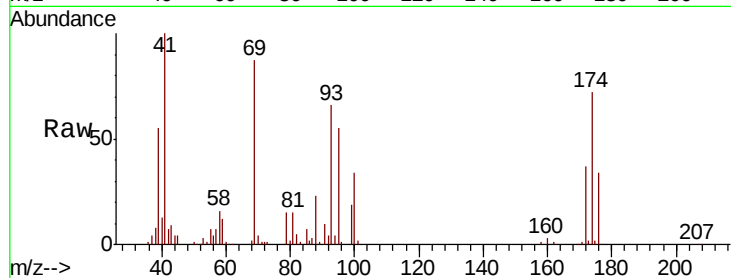
Tot Ion: 88 Resp: 33429

Ion Ratio Lower Upper

88 100

43 32.1 26.9 40.3

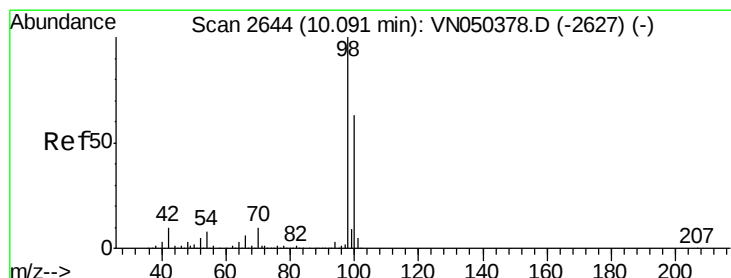
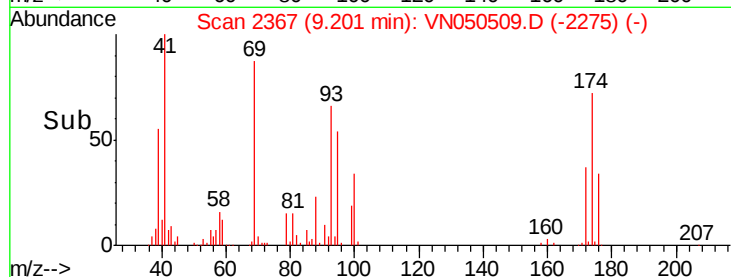
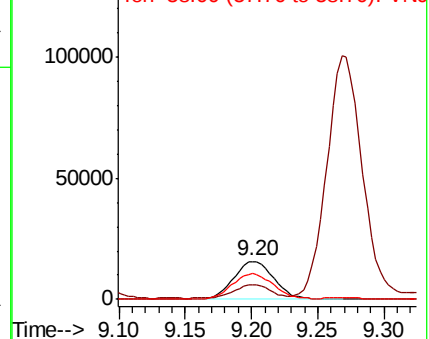
58 69.2 57.3 85.9



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: 47.45 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050509.D

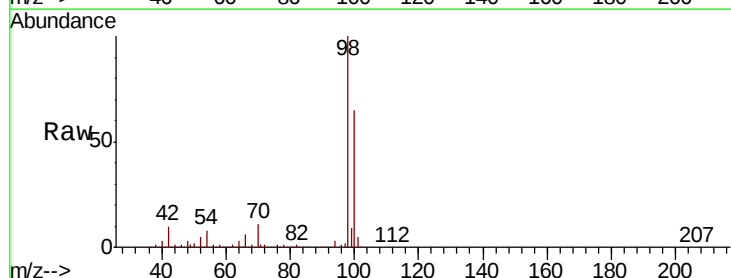
Acq: 10 Aug 2018 11:39

Tgt Ion: 98 Resp: 1672086

Ion Ratio Lower Upper

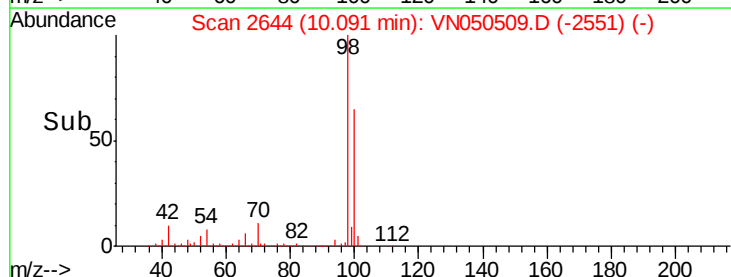
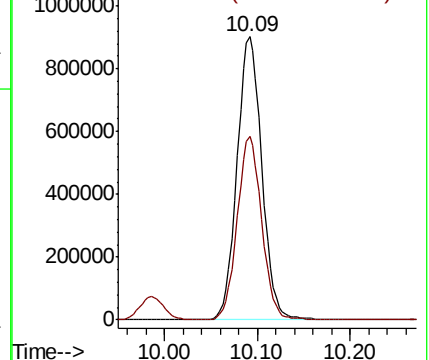
98 100

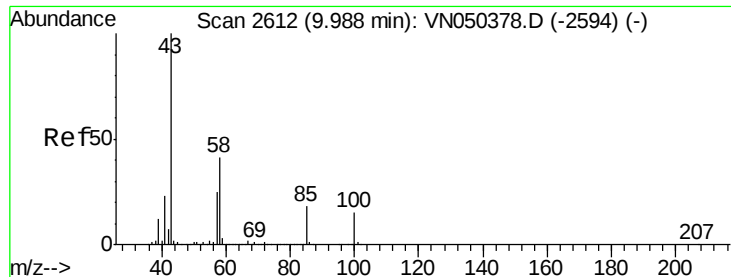
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

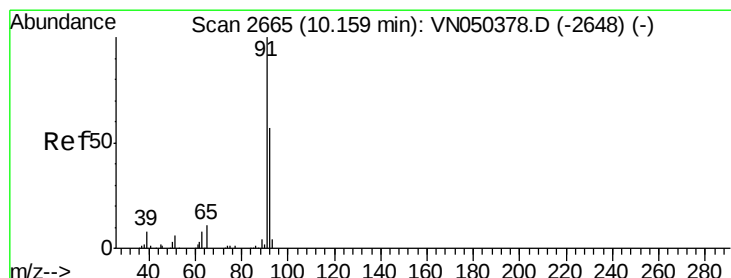
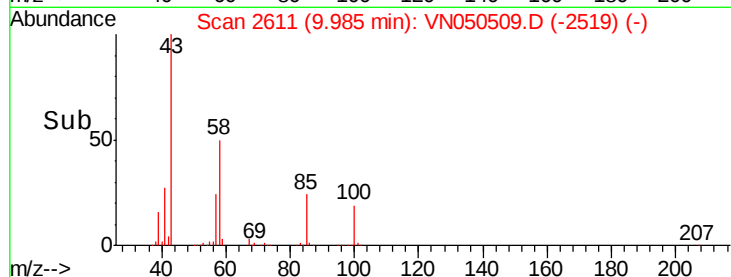
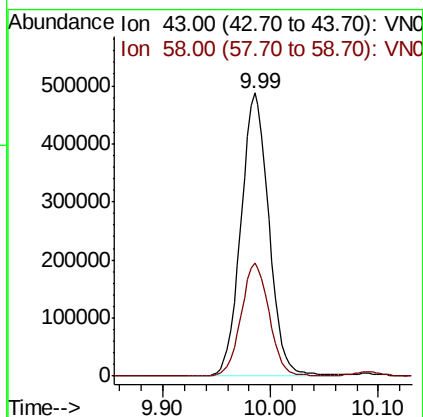
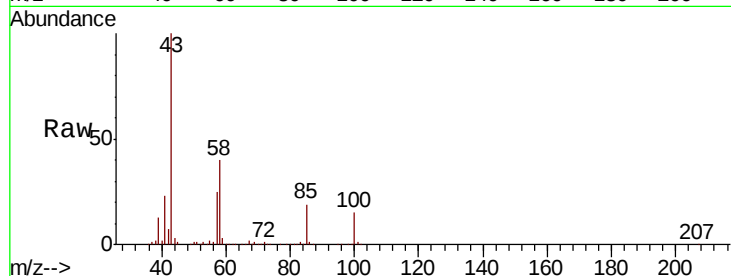




#51
 4-Methyl-2-Pentanone
 Concen: 76.33 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

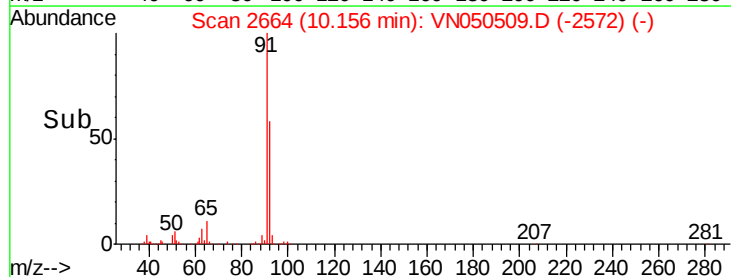
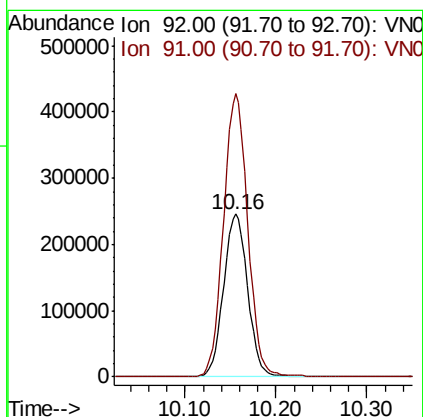
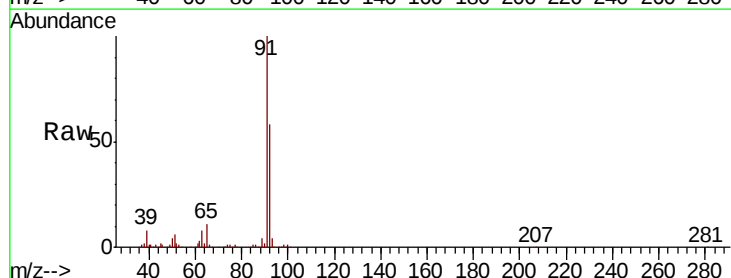
Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

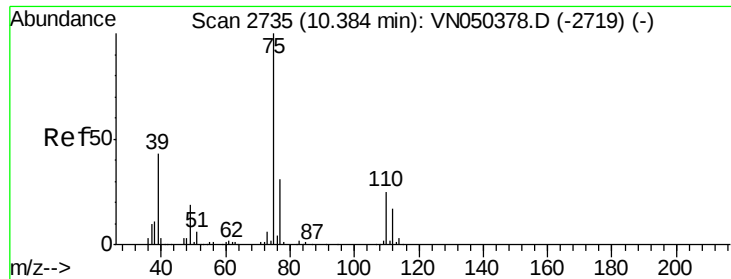
Tot Ion: 43 Resp: 876985
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.9 47.9



#52
 Toluene
 Concen: 19.10 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion: 92 Resp: 452782
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 17.73 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

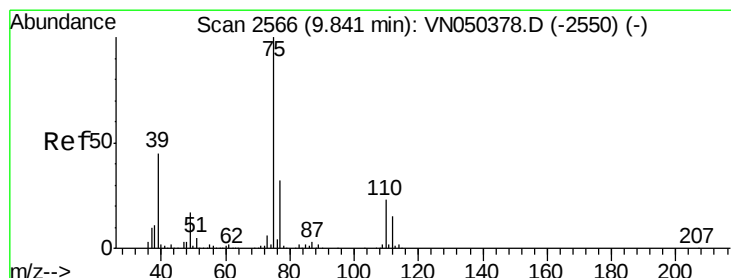
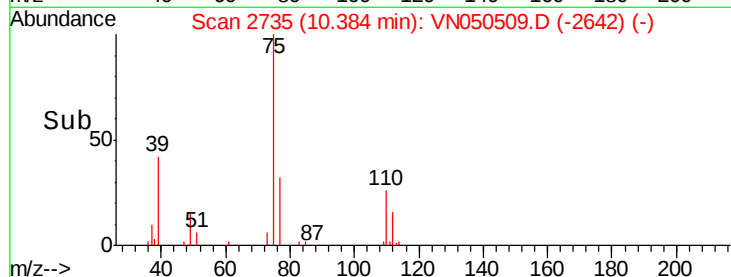
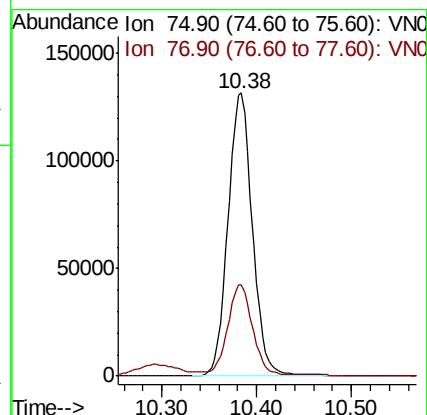
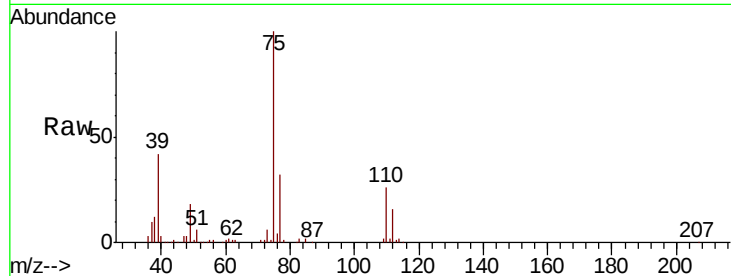
VN0810WBS01

Tot Ion: 75 Resp: 236199

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.72 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

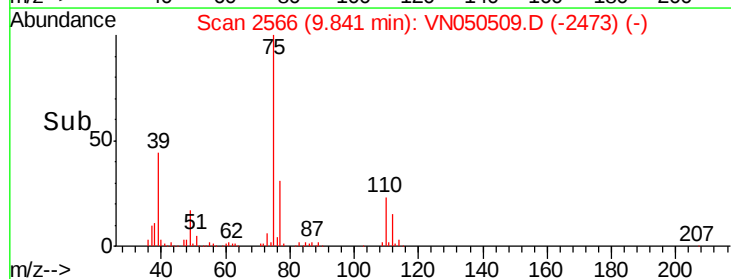
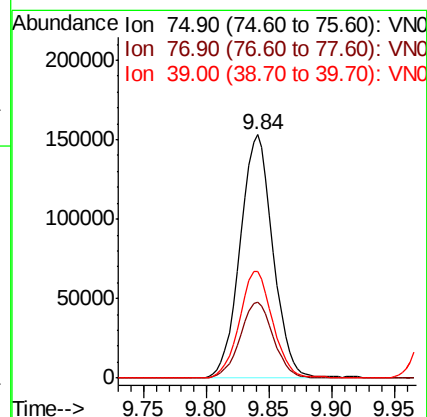
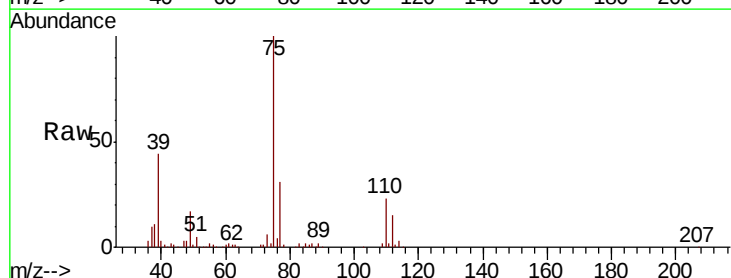
Tgt Ion: 75 Resp: 278376

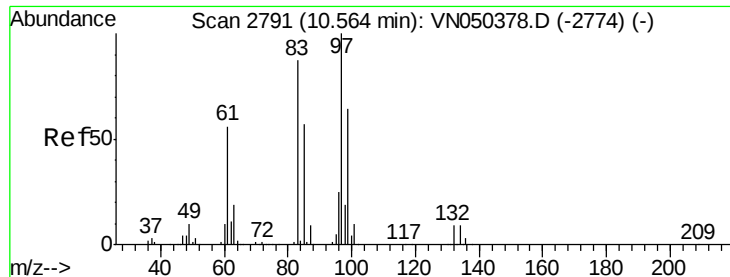
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 43.8 36.6 55.0

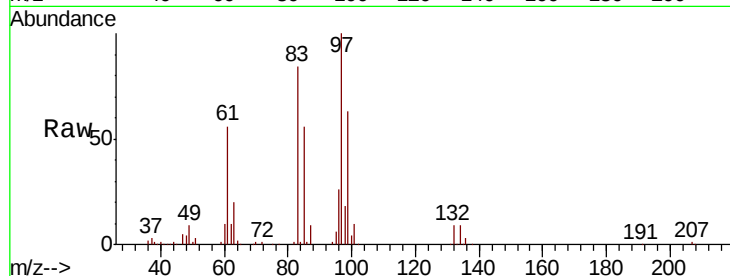




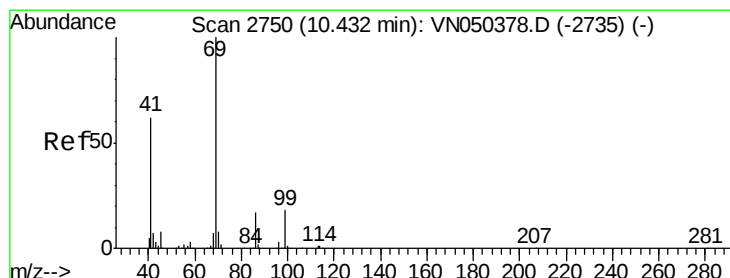
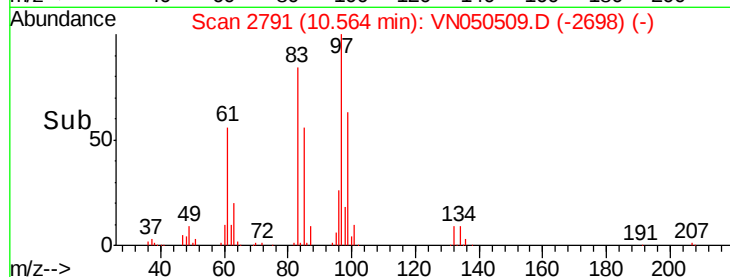
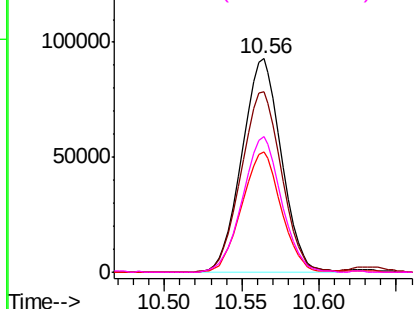
#55
 1,1,2-Trichloroethane
 Concen: 17.85 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

Tot Ion:	97	Resp:	165156
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.2	103.8
85	56.5	44.0	66.0
99	63.3	49.9	74.9

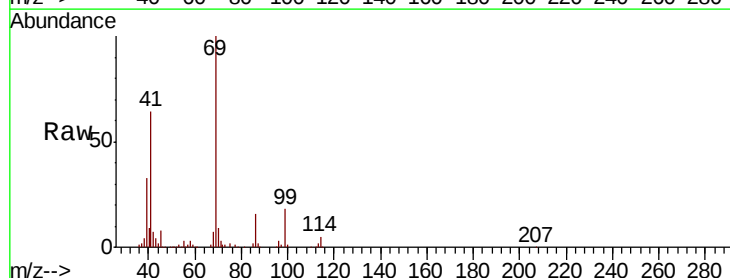


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

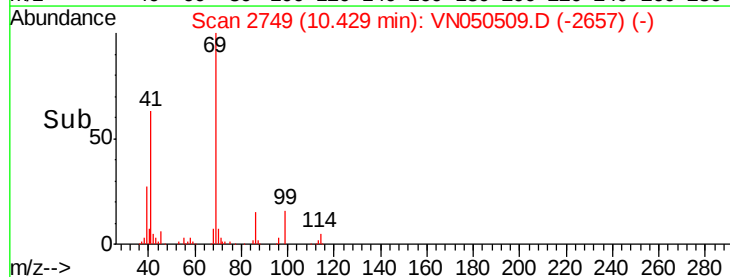
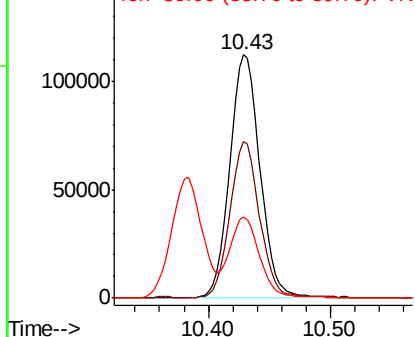


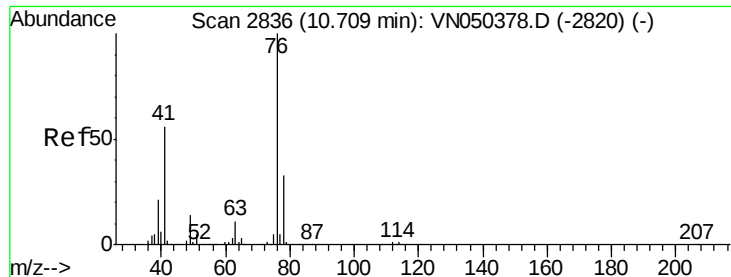
#56
 Ethyl methacrylate
 Concen: 16.07 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion:	69	Resp:	194631
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.0	76.4
39	32.5	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

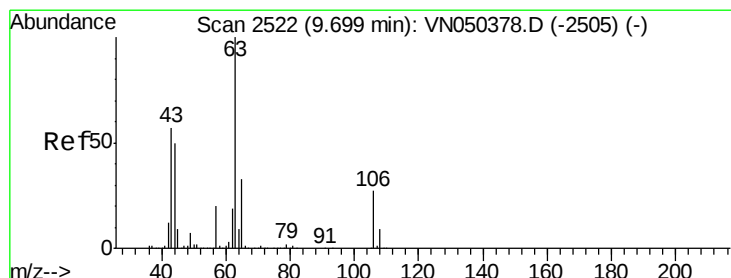
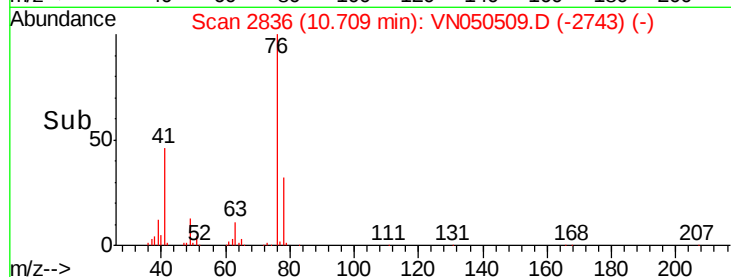
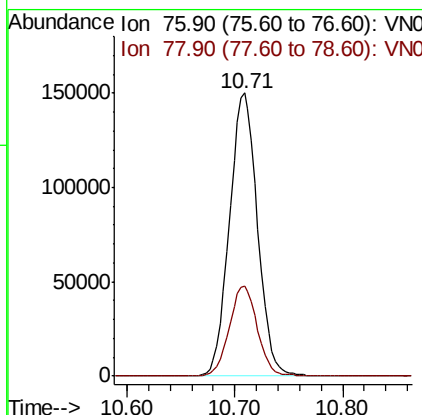
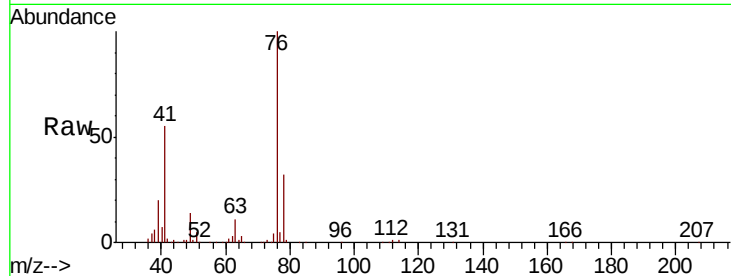




#57
 1,3-Dichloropropane
 Concen: 17.88 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

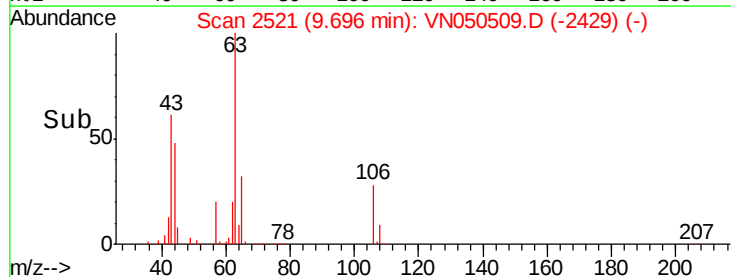
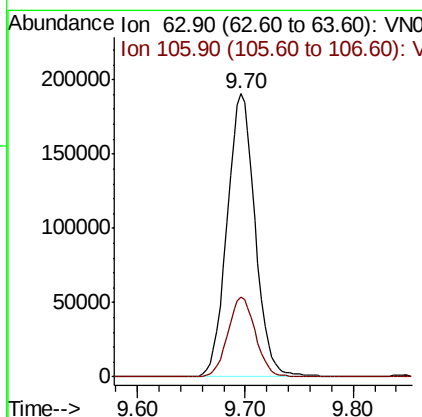
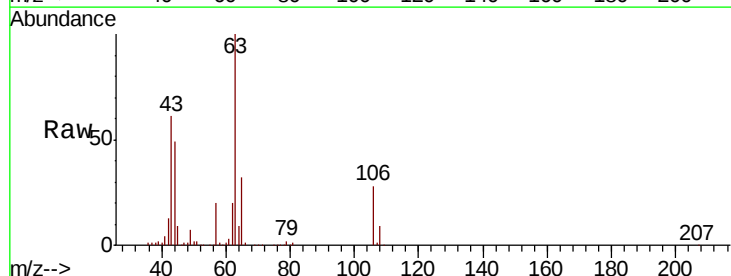
Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

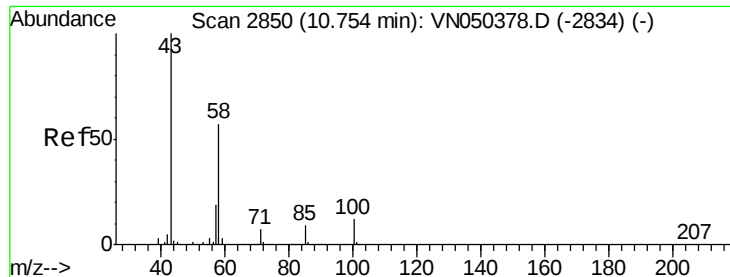
Tot Ion: 76 Resp: 271598
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 62.28 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion: 63 Resp: 345217
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.7 32.5

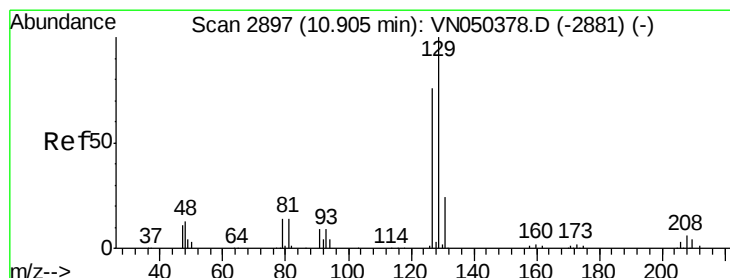
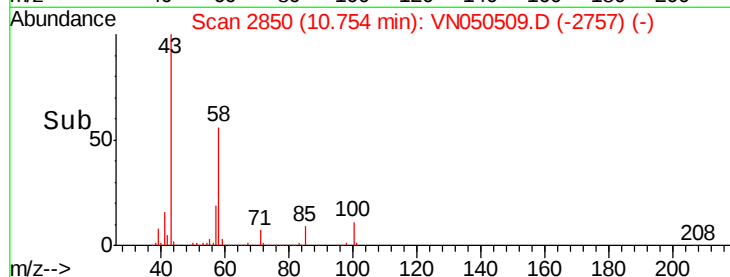
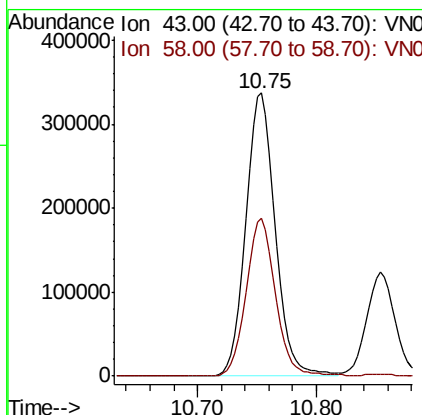
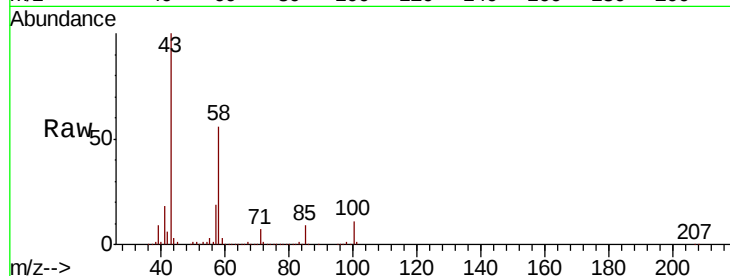




#59
2-Hexanone
Concen: 71.82 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

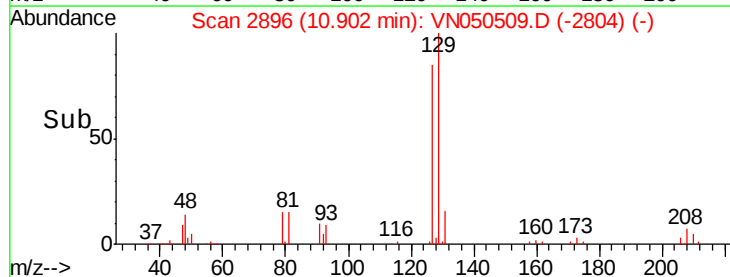
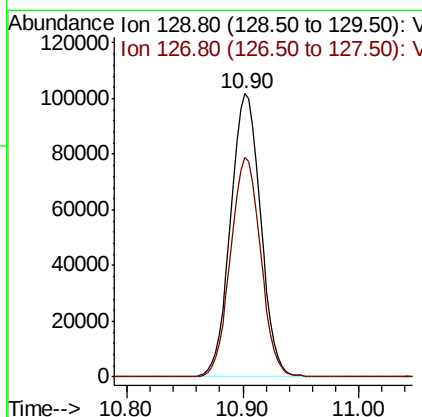
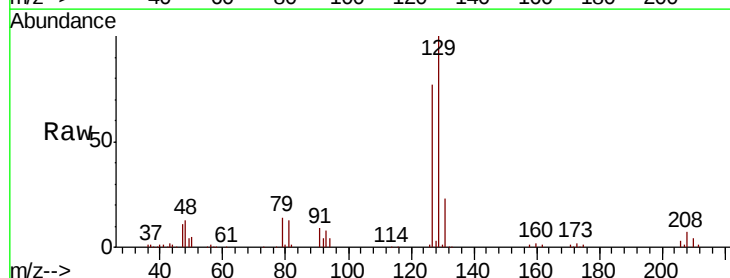
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

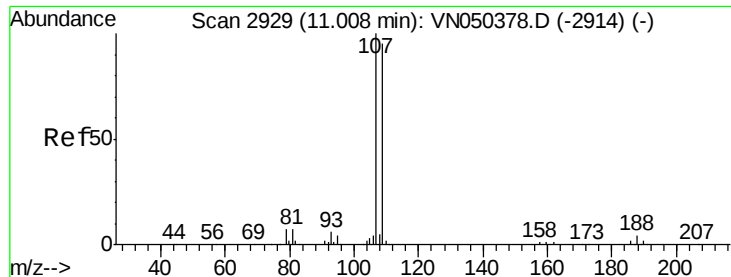
Tot Ion: 43 Resp: 575933
Ion Ratio Lower Upper
43 100
58 55.7 27.6 82.7



#60
Dibromochloromethane
Concen: 17.95 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 129 Resp: 182998
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9

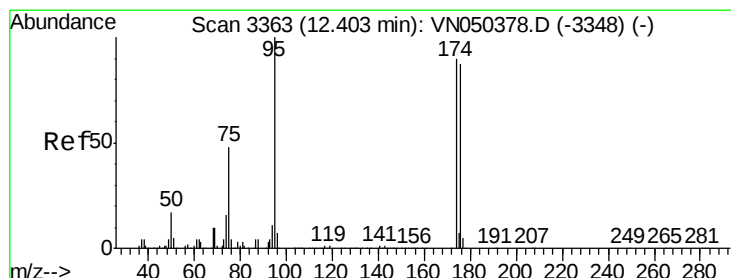
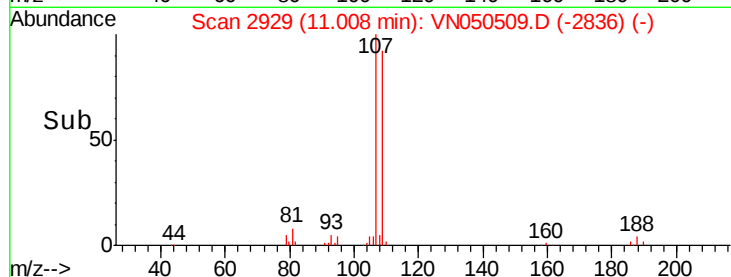
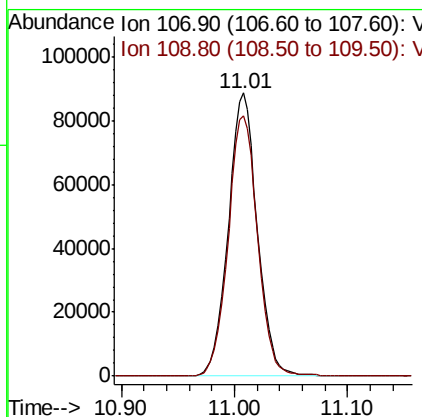
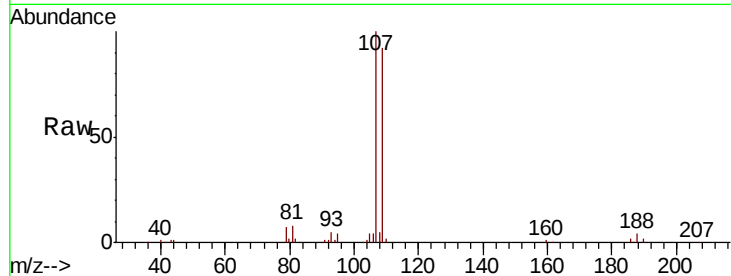




#61
 1,2-Dibromoethane
 Concen: 17.24 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

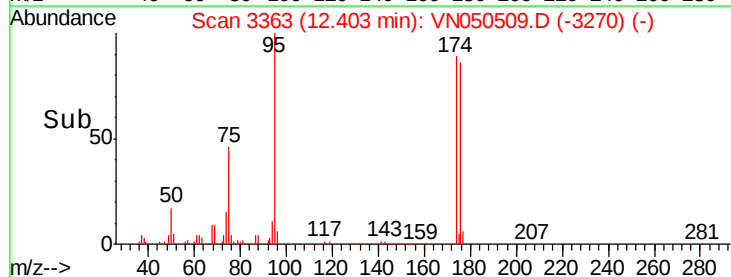
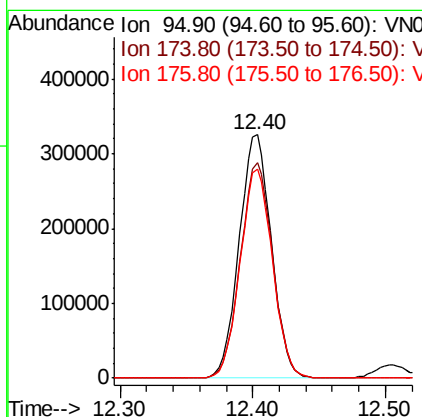
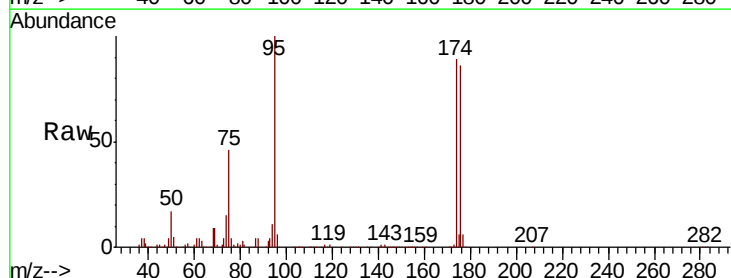
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

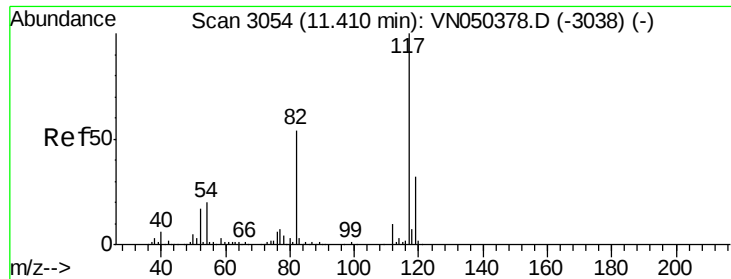
Tot Ion:107 Resp: 157243
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion: 95 Resp: 548348
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.2
 176 86.2 0.0 173.4

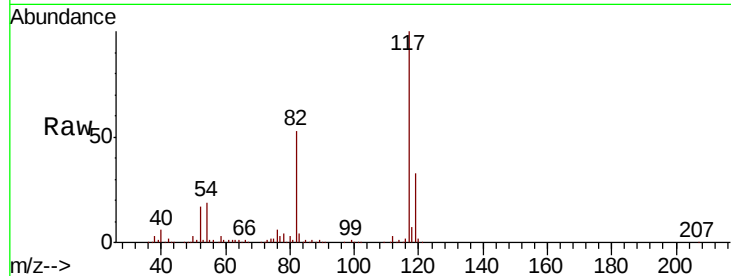




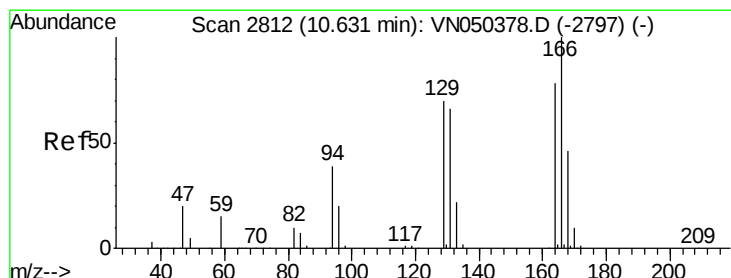
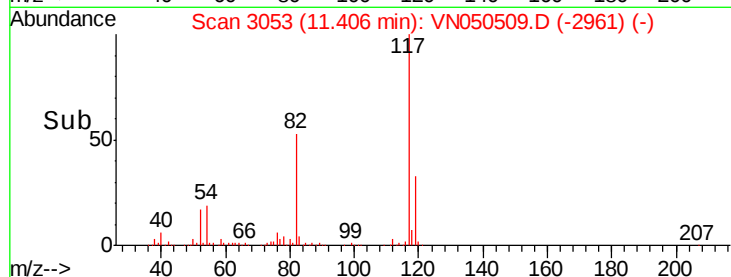
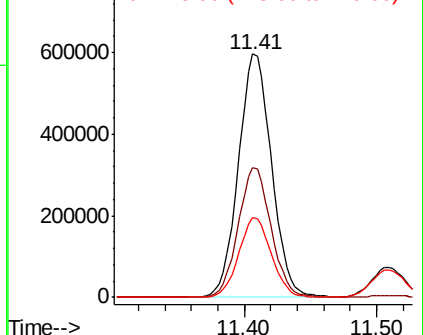
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion:117 Resp: 1036612
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.6 26.1 39.1

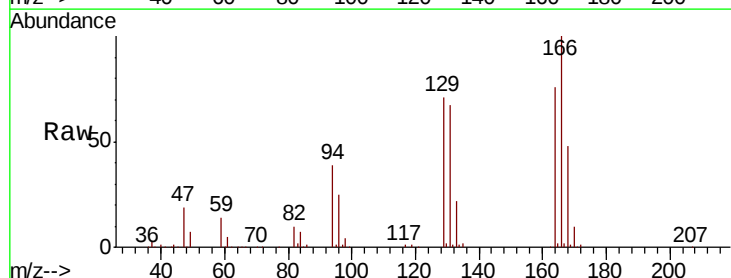


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

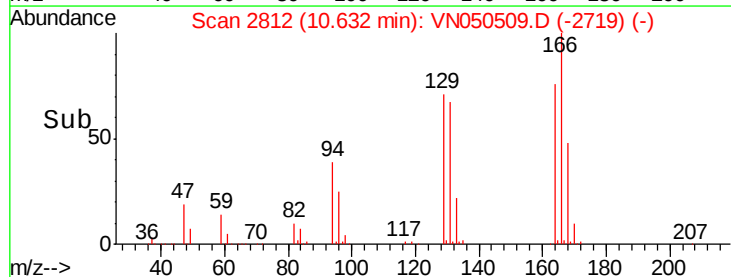
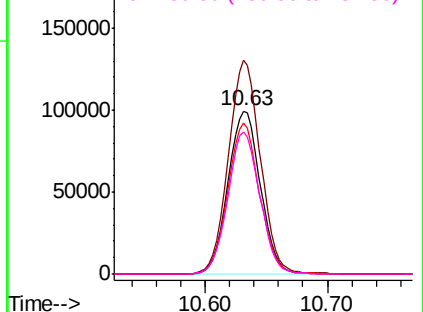


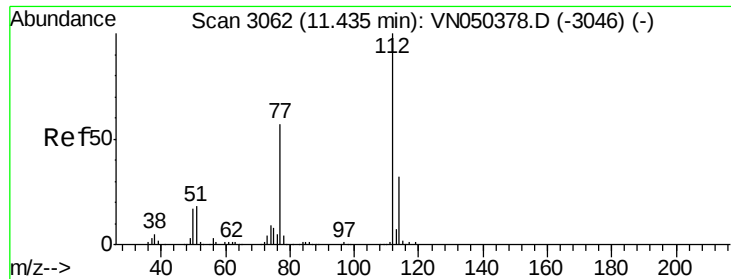
#64
Tetrachloroethene
Concen: 19.06 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion:164 Resp: 184588
Ion Ratio Lower Upper
164 100
166 130.9 102.1 153.1
129 92.7 73.2 109.8
131 87.4 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

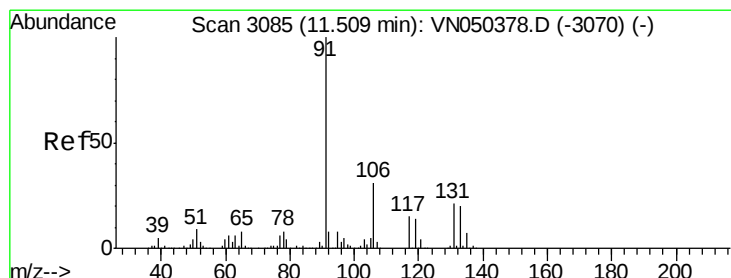
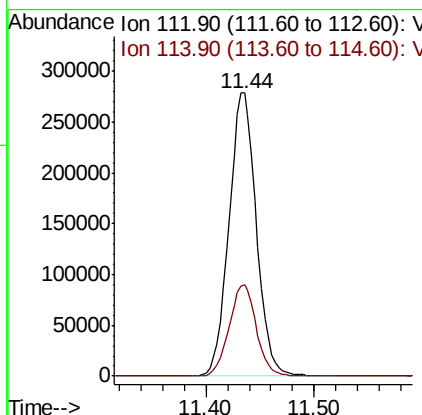
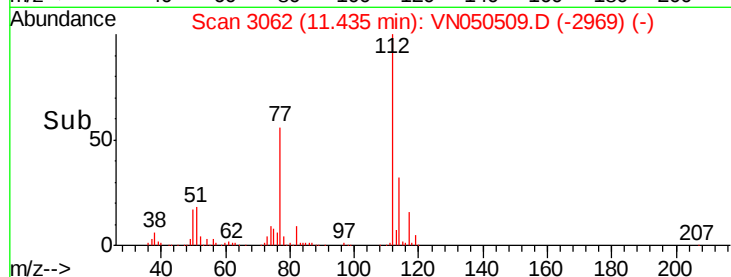
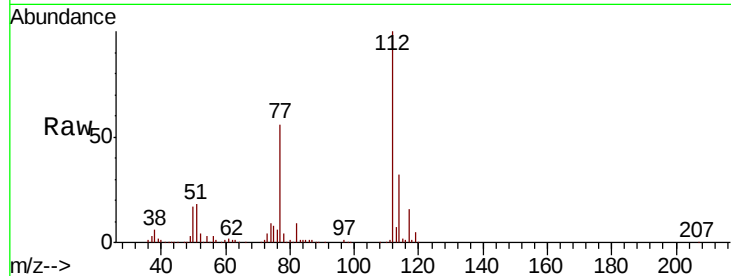




#65
Chlorobenzene
Concen: 18.90 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

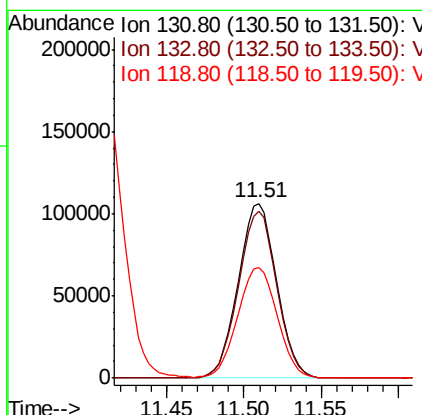
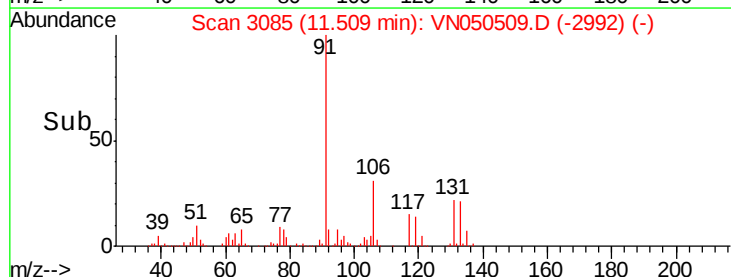
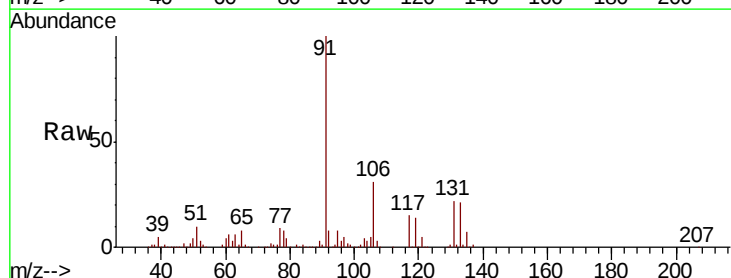
Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

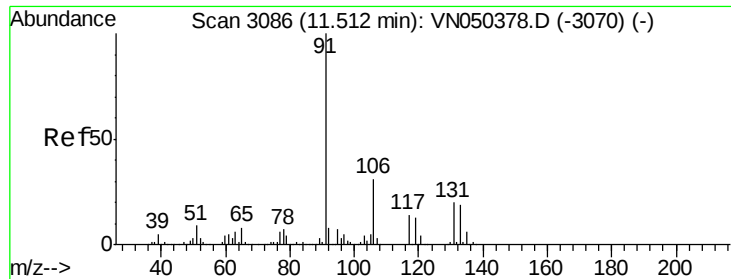
Tot Ion:112 Resp: 491111
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.41 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion:131 Resp: 183559
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 65.6 32.9 98.7

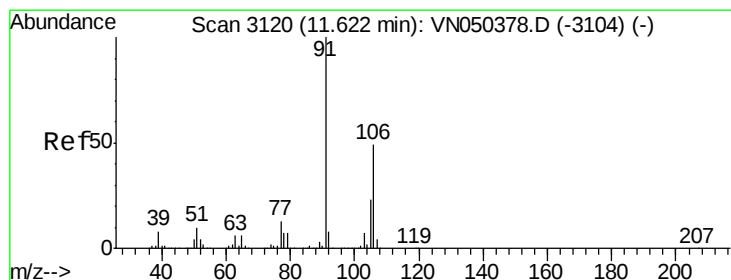
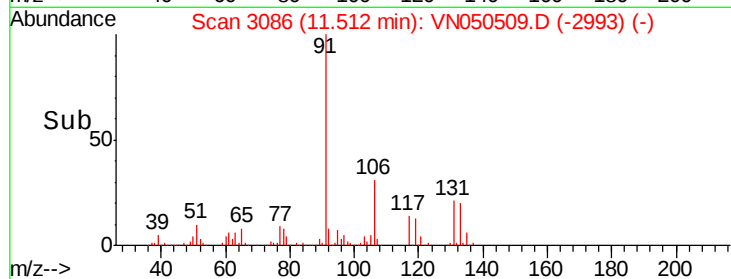
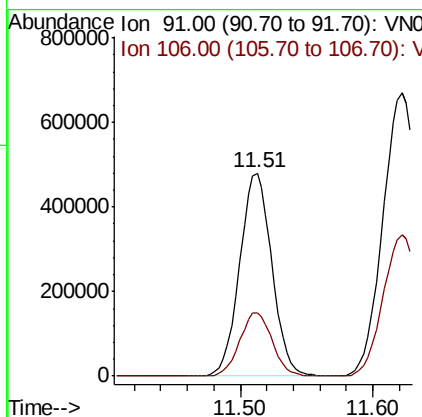
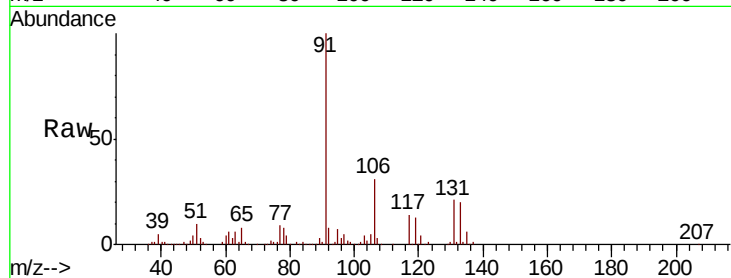




#67
Ethyl Benzene
Concen: 19.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

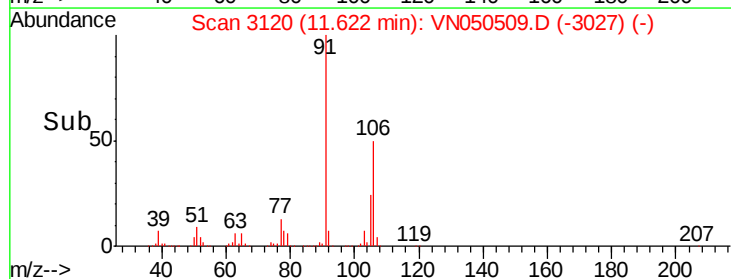
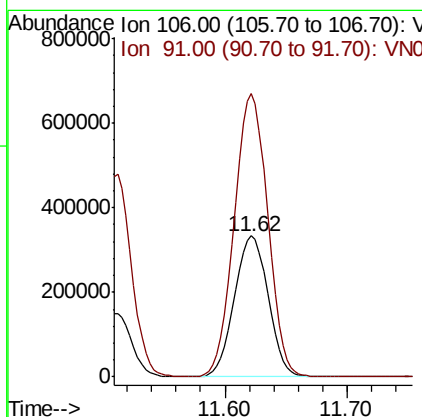
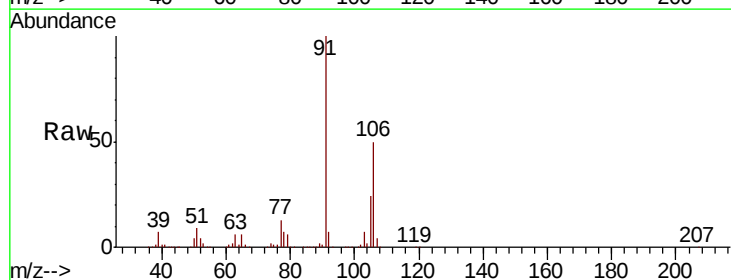
Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

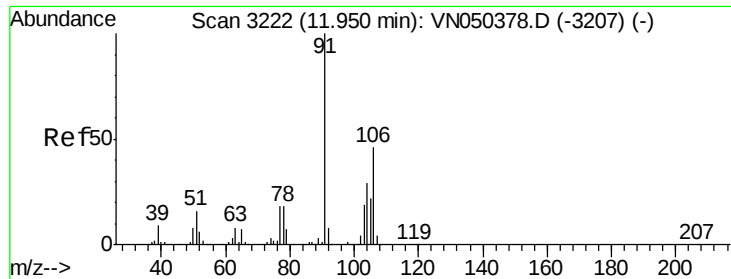
Tot Ion: 91 Resp: 808115
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4



#68
m/p-Xylenes
Concen: 39.90 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 106 Resp: 638138
Ion Ratio Lower Upper
106 100
91 199.8 162.2 243.2

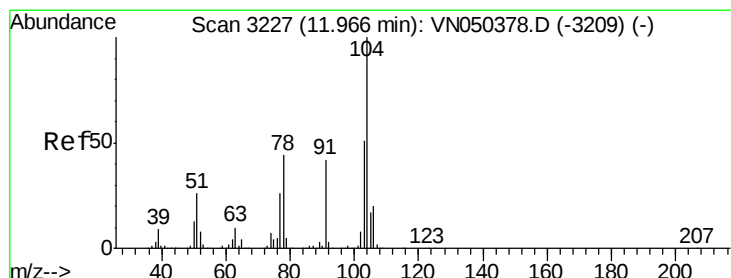
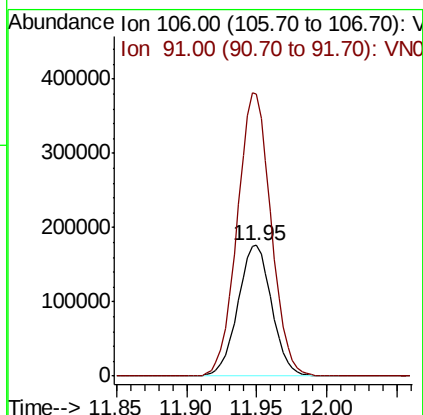
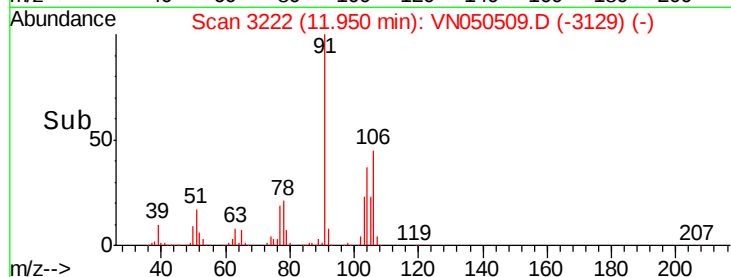
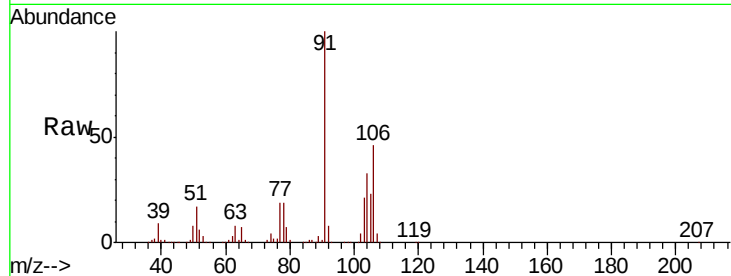




#69
o-Xylene
Concen: 19.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

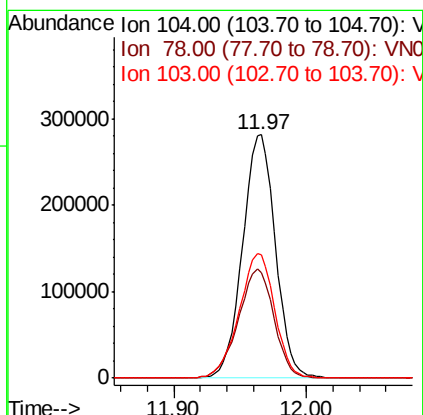
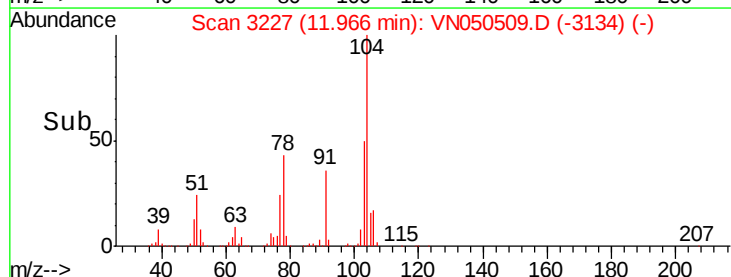
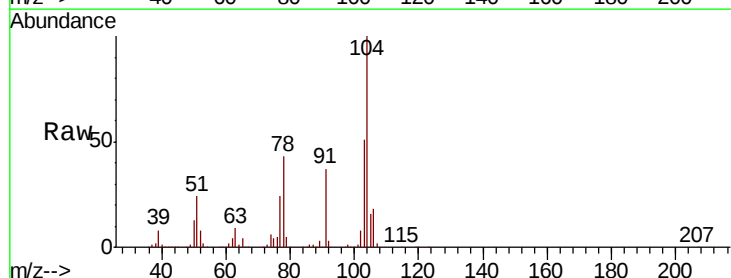
Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

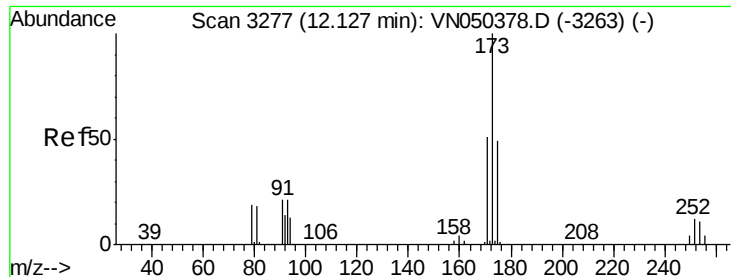
Tot Ion:106 Resp: 296834
Ion Ratio Lower Upper
106 100
91 215.9 107.7 323.1



#70
Styrene
Concen: 19.36 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion:104 Resp: 485099
Ion Ratio Lower Upper
104 100
78 48.7 39.3 58.9
103 55.4 45.0 67.6





#71

Bromoform

Concen: 17.51 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

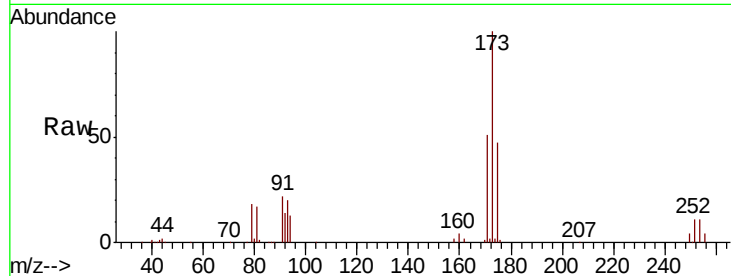
Tot Ion:173 Resp: 121050

Ion Ratio Lower Upper

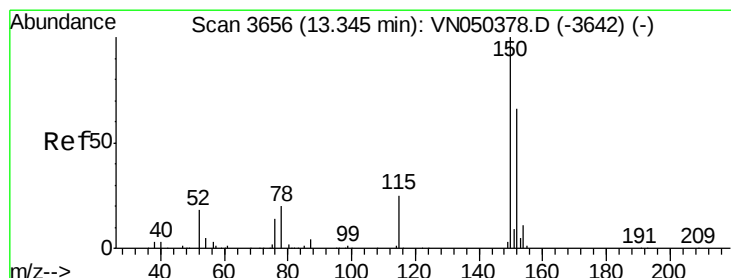
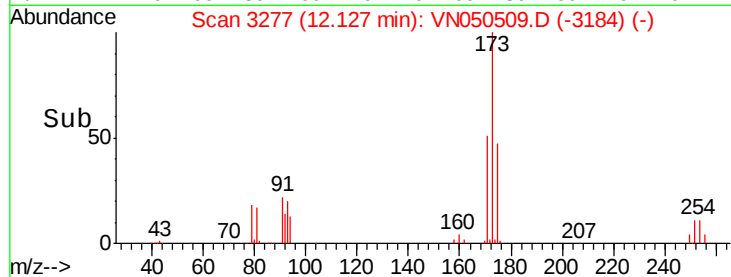
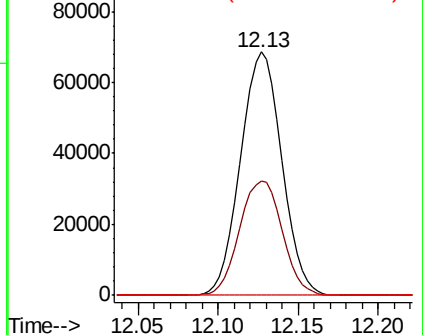
173 100

175 48.5 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: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

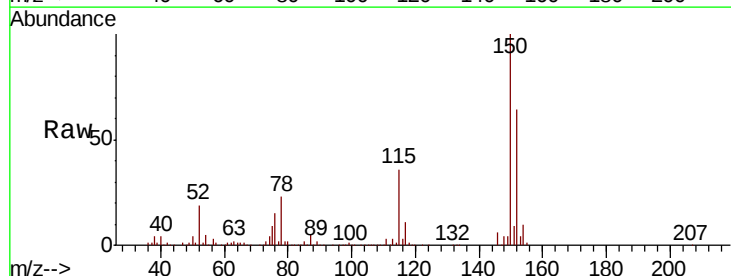
Tgt Ion:152 Resp: 522728

Ion Ratio Lower Upper

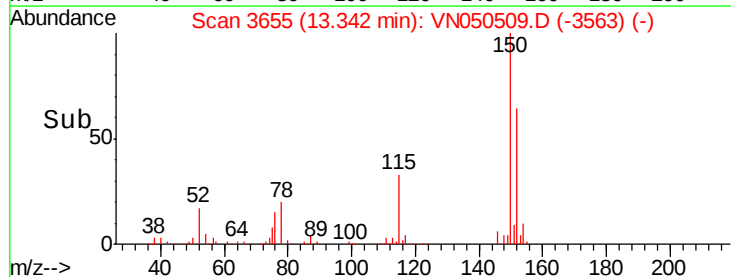
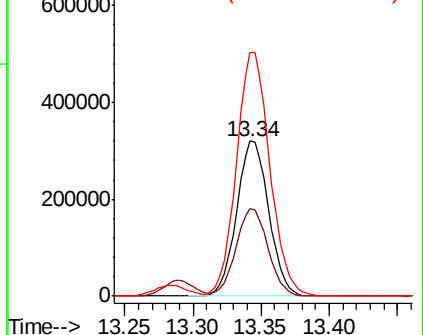
152 100

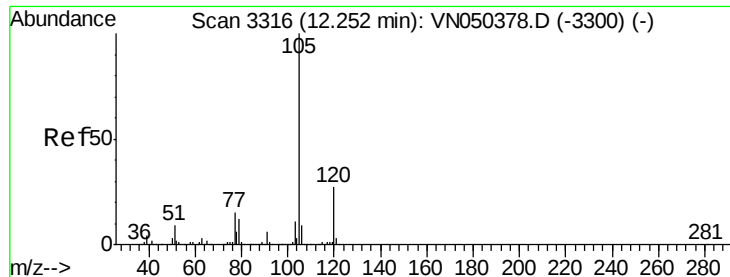
115 56.3 27.8 83.3

150 163.4 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.26 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

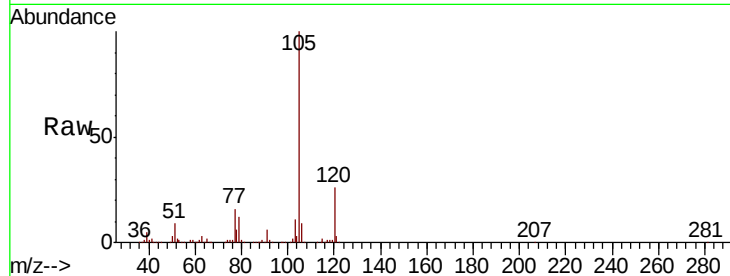
VN0810WBS01

Tot Ion:105 Resp: 794937

Ion Ratio Lower Upper

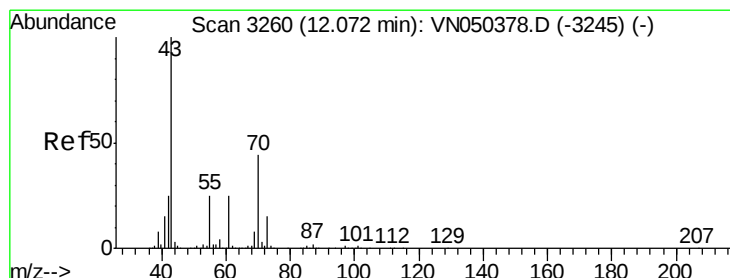
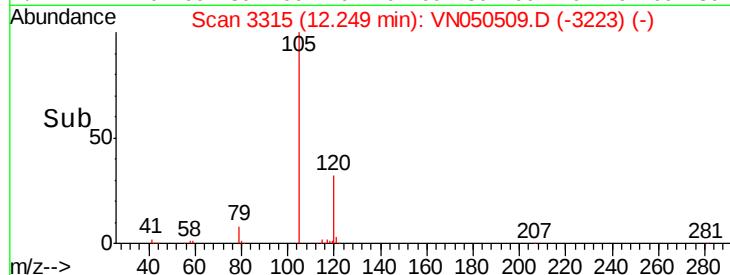
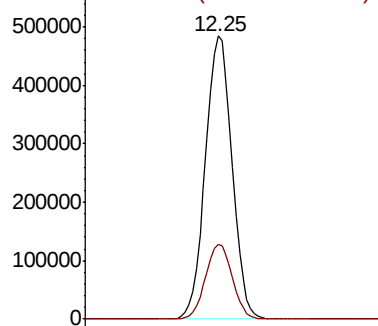
105 100

120 26.6 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: 15.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion: 43 Resp: 198351

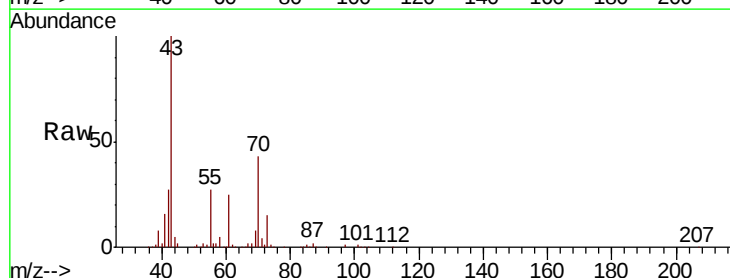
Ion Ratio Lower Upper

43 100

70 44.3 34.4 51.6

55 27.4 20.8 31.2

61 24.6 19.7 29.5

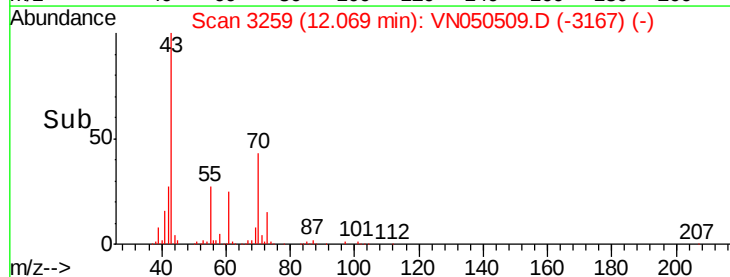
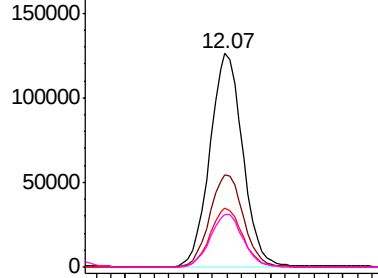


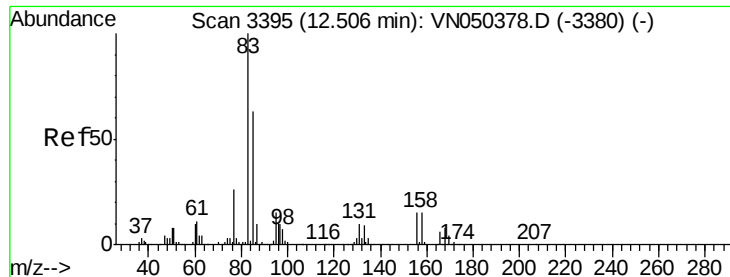
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.01 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

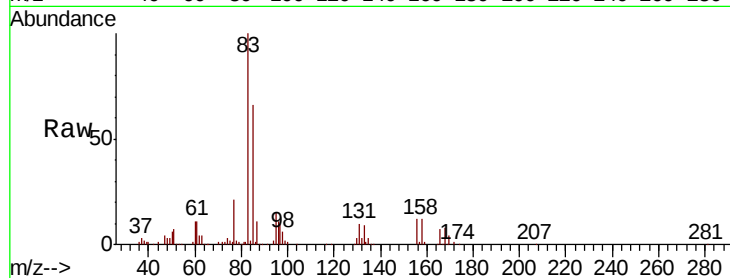
Tot Ion: 83 Resp: 192615

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

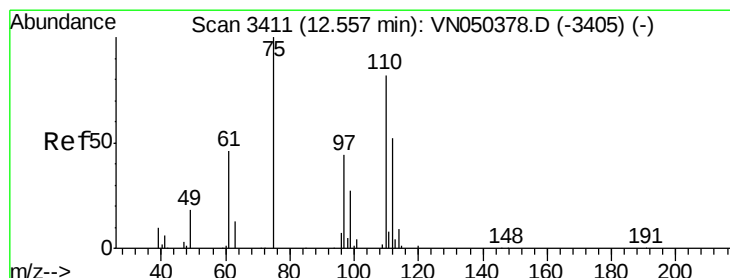
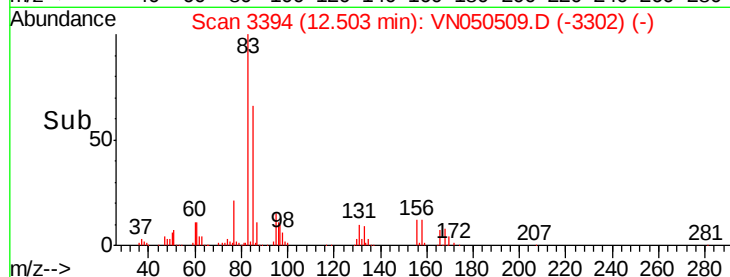
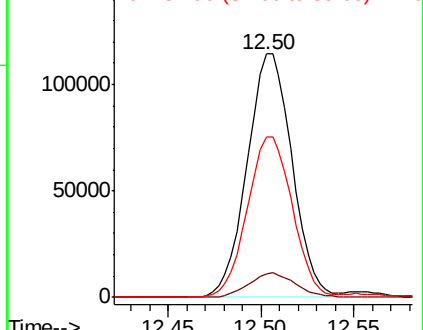
85 66.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 24.09 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050509.D

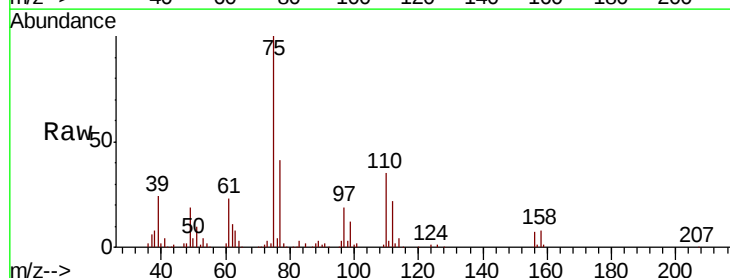
Acq: 10 Aug 2018 11:39

Tgt Ion: 75 Resp: 227930

Ion Ratio Lower Upper

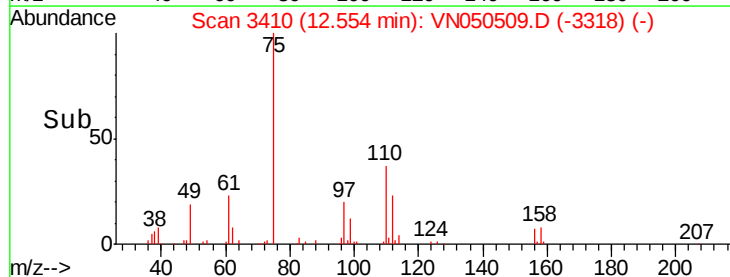
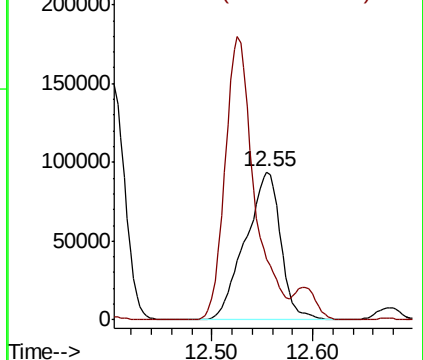
75 100

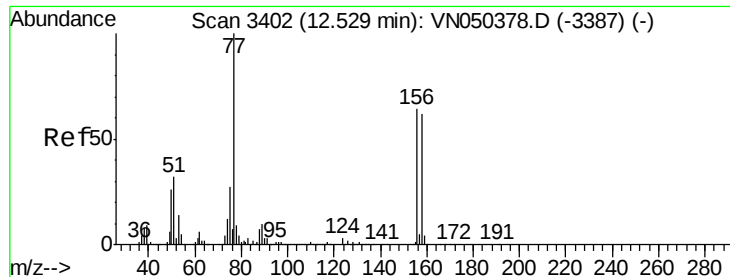
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

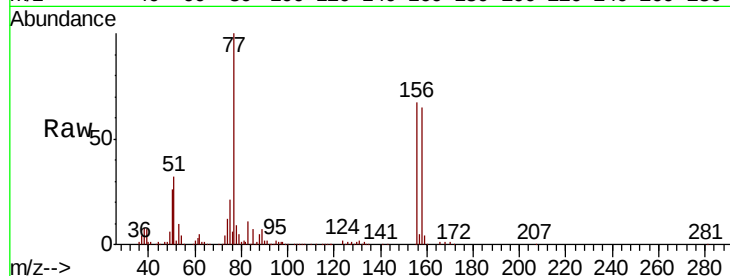
Tot Ion:156 Resp: 207710

Ion Ratio Lower Upper

156 100

77 176.2 91.7 275.1

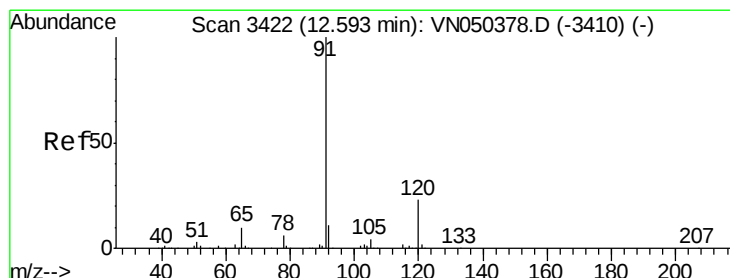
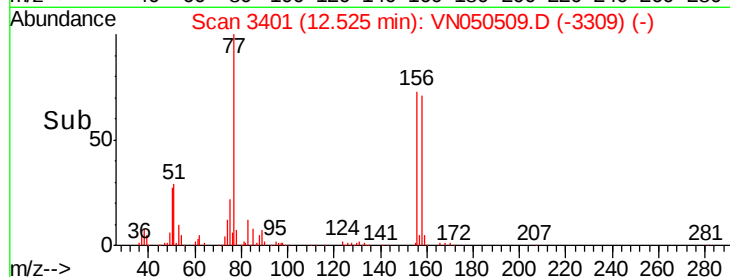
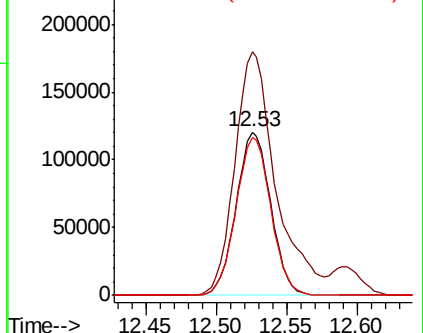
158 97.1 48.9 146.6



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: 20.42 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050509.D

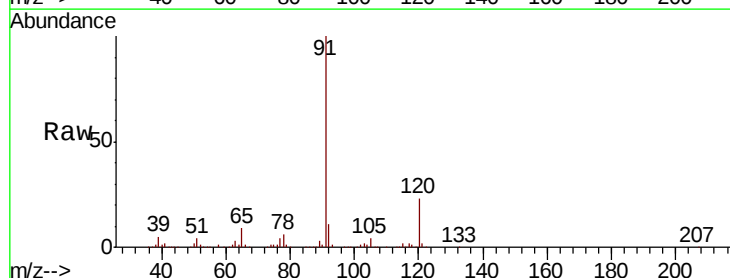
Acq: 10 Aug 2018 11:39

Tgt Ion: 91 Resp: 907186

Ion Ratio Lower Upper

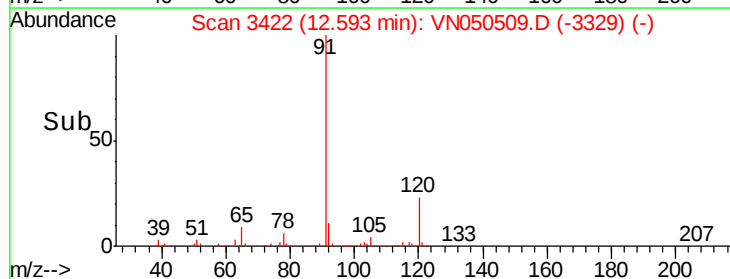
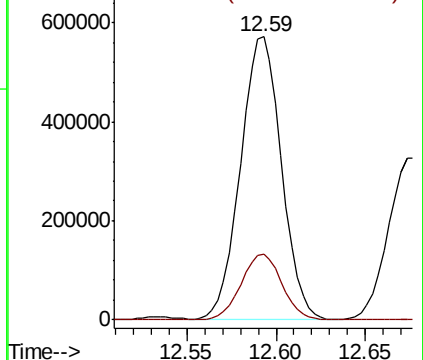
91 100

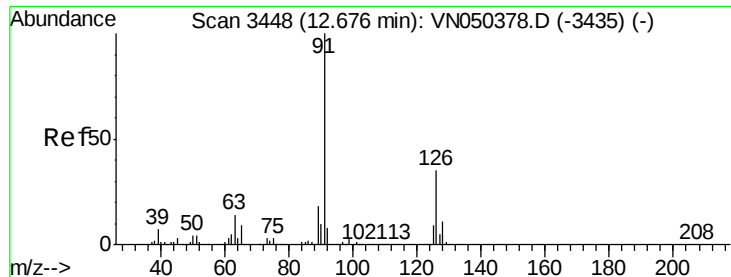
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

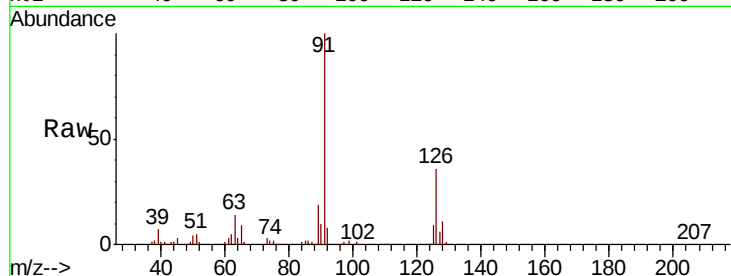
VN0810WBS01

Tot Ion: 91 Resp: 544328

Ion Ratio Lower Upper

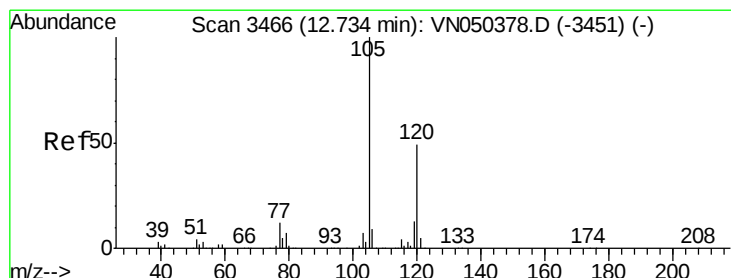
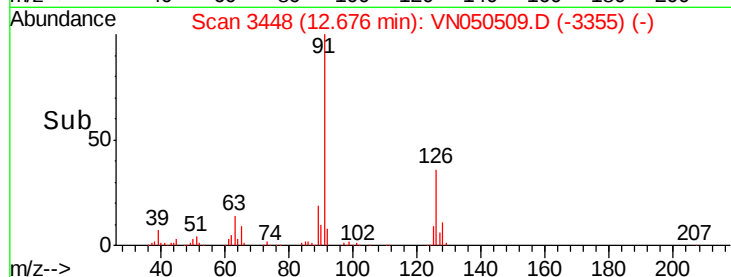
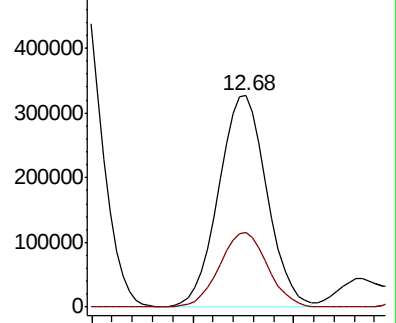
91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050509.D

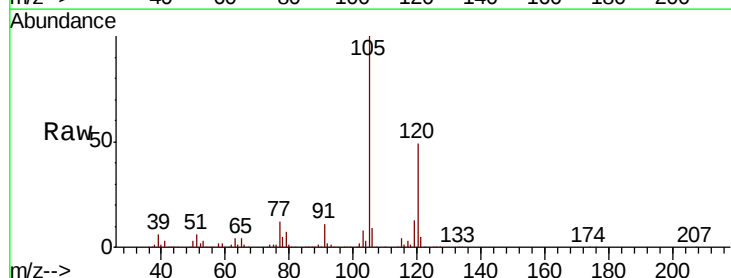
Acq: 10 Aug 2018 11:39

Tgt Ion: 105 Resp: 654784

Ion Ratio Lower Upper

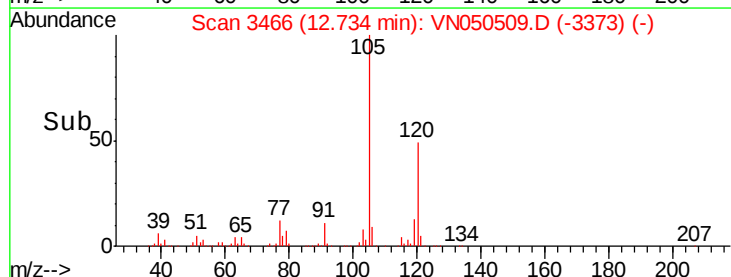
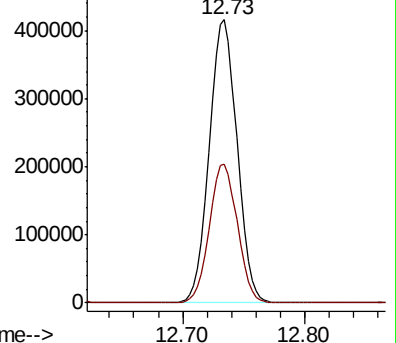
105 100

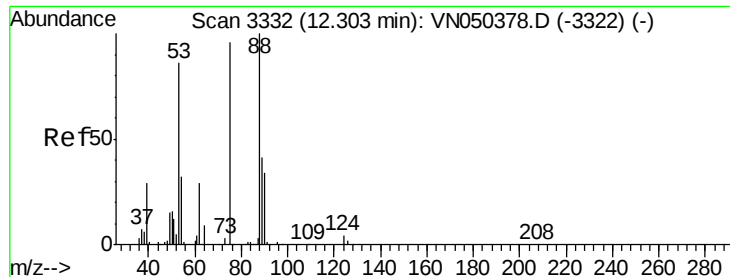
120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.42 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

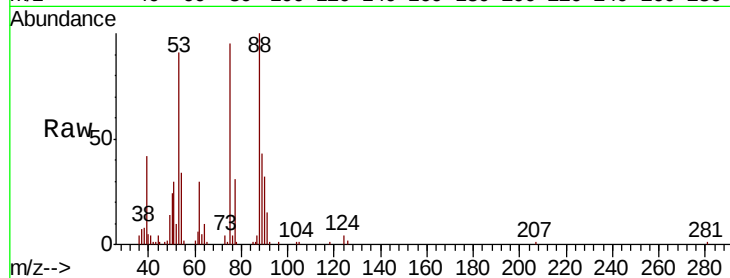
Tot Ion: 75 Resp: 44226

Ion Ratio Lower Upper

75 100

53 96.6 73.5 110.3

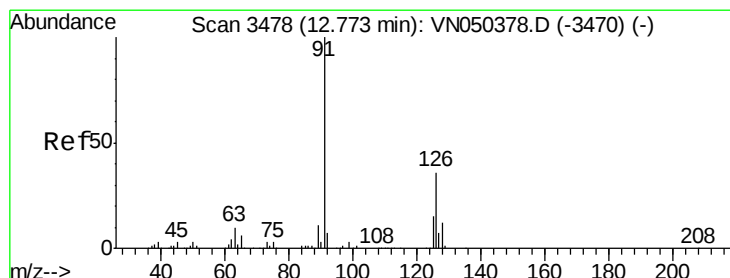
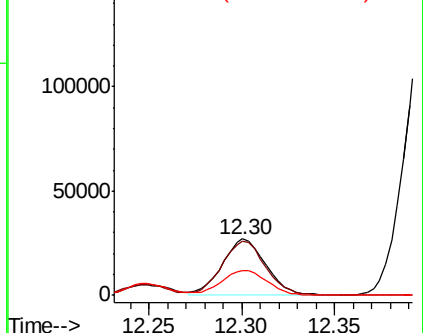
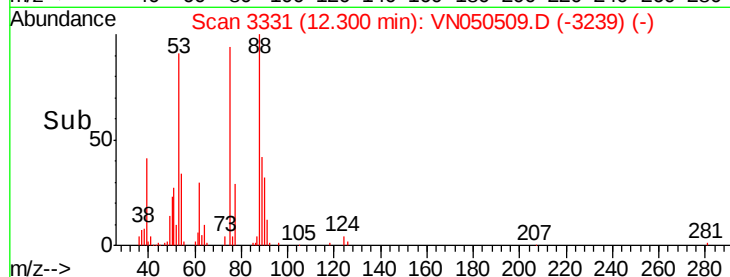
89 46.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.07 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050509.D

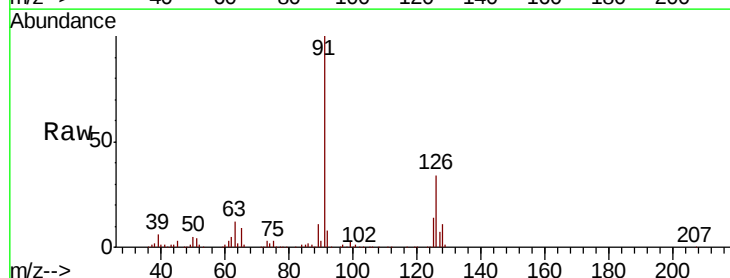
Acq: 10 Aug 2018 11:39

Tgt Ion: 91 Resp: 549169

Ion Ratio Lower Upper

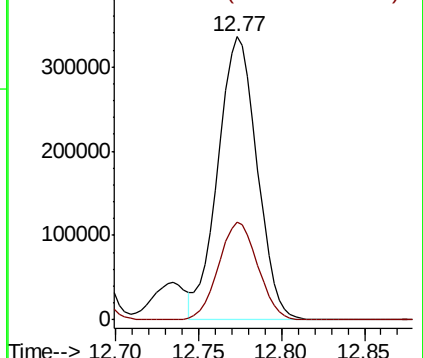
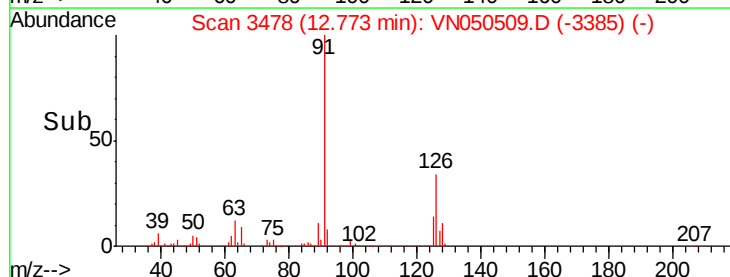
91 100

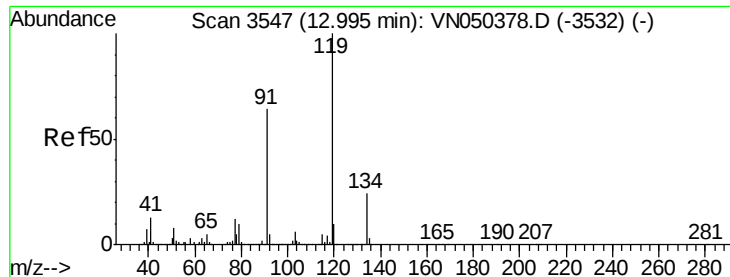
126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

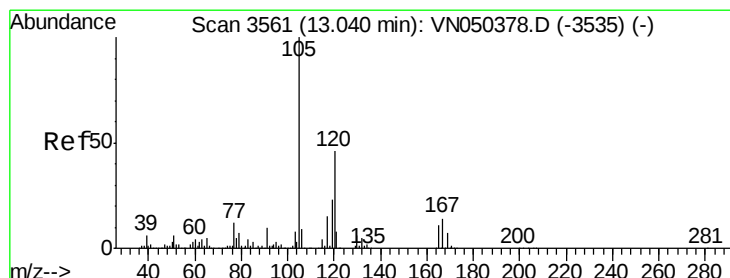
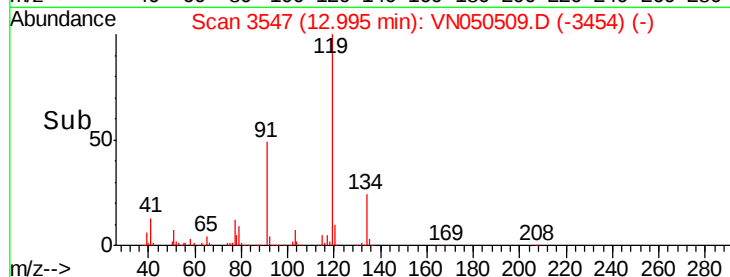
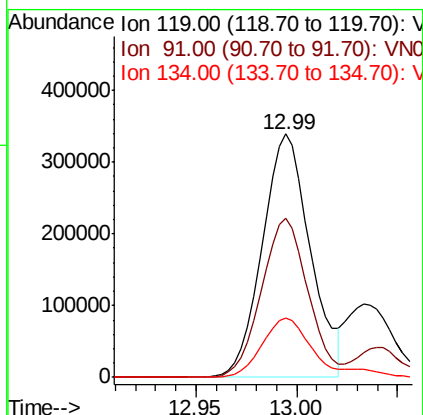
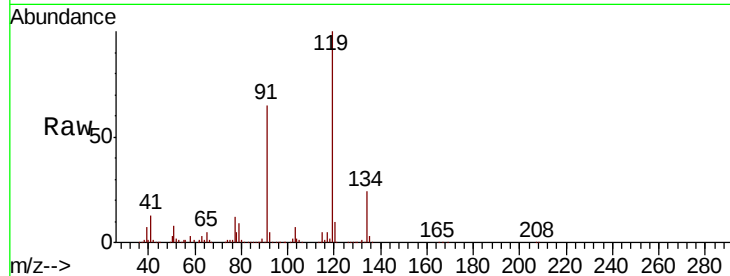




#83
 tert-Butylbenzene
 Concen: 20.19 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

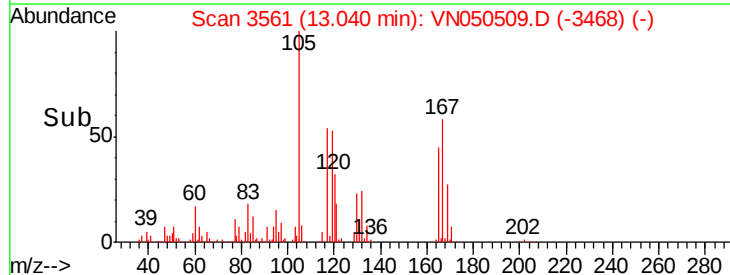
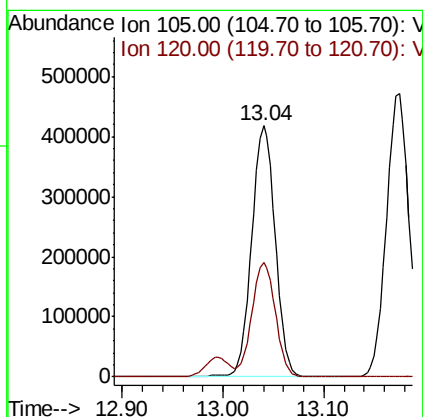
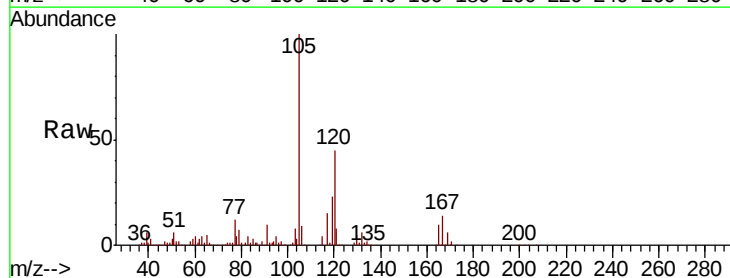
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

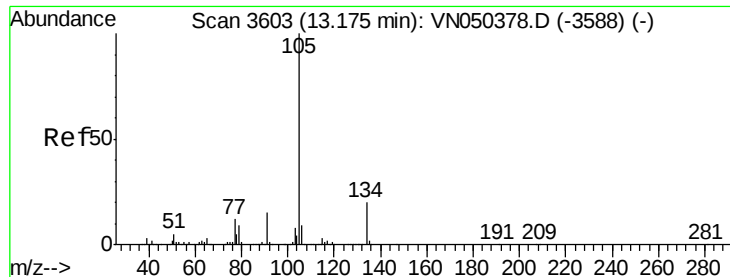
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	24.5	13.2	39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.77 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.05 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

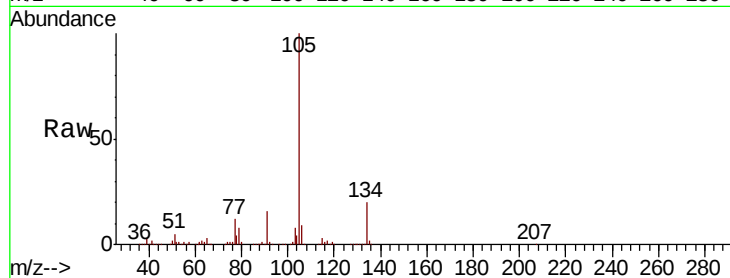
VN0810WBS01

Tot Ion:105 Resp: 742745

Ion Ratio Lower Upper

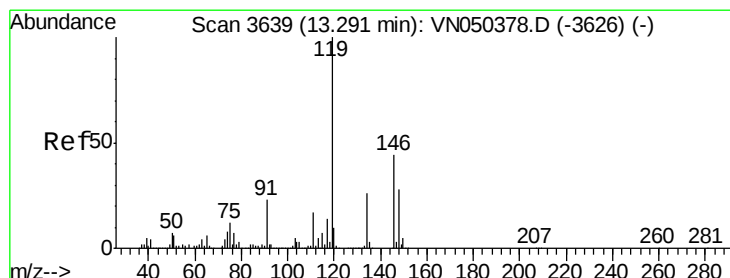
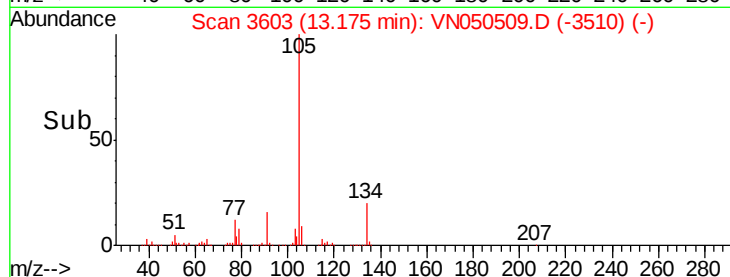
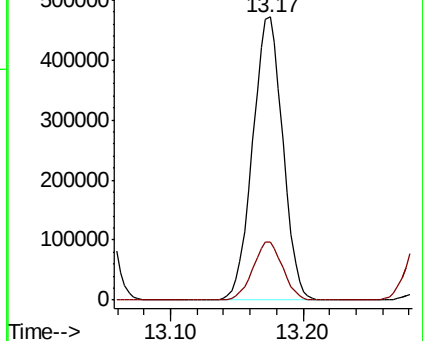
105 100

134 20.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

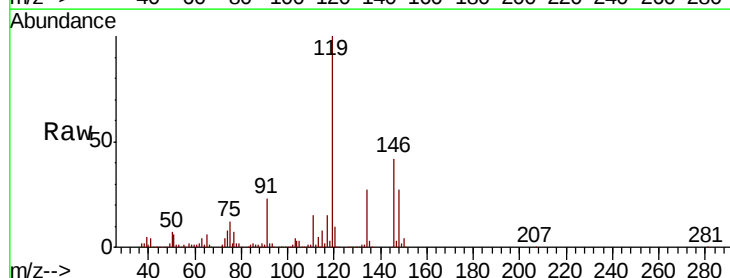
Tgt Ion:119 Resp: 639868

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

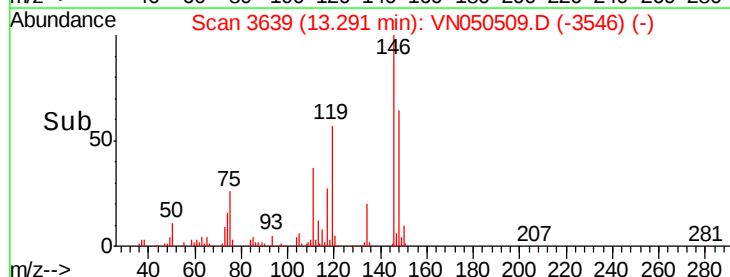
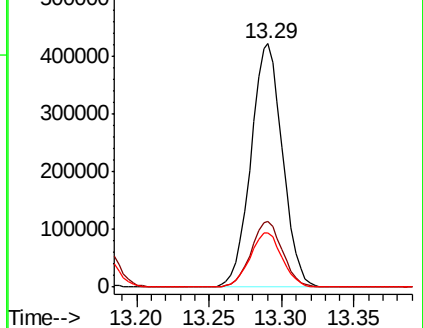
91 22.7 11.4 34.2

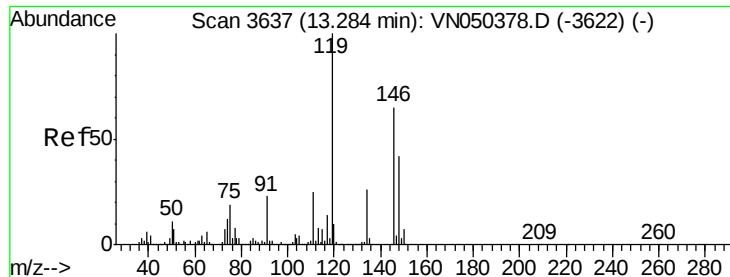


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.13 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

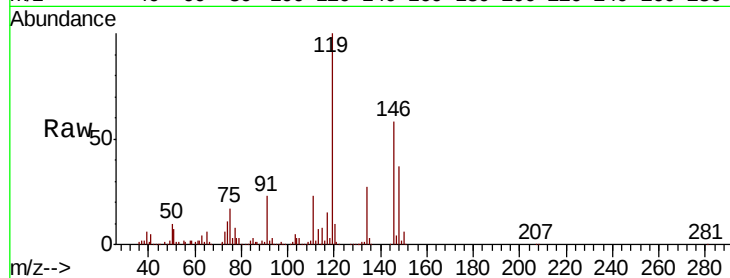
Tot Ion:146 Resp: 358161

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

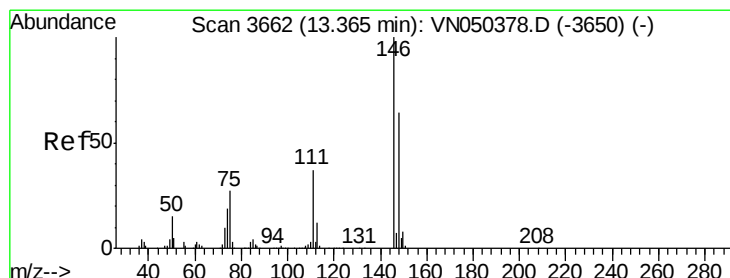
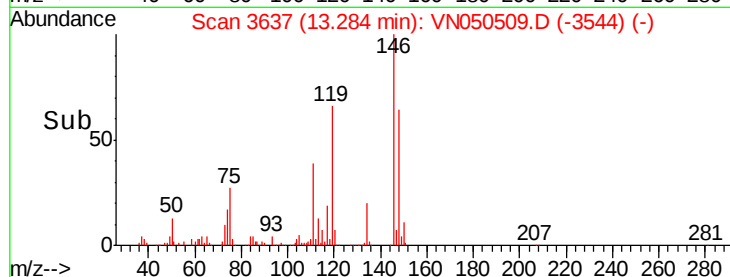
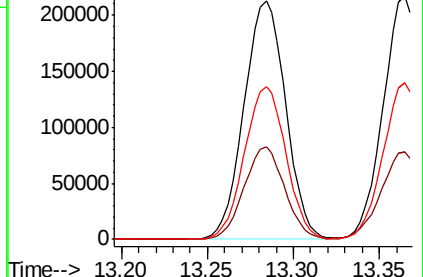
148 63.8 31.9 95.9



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: 18.87 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

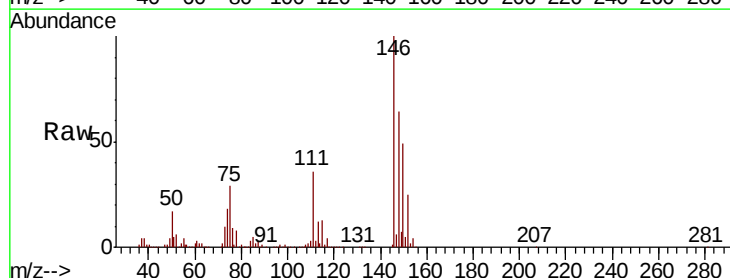
Tgt Ion:146 Resp: 352729

Ion Ratio Lower Upper

146 100

111 37.8 18.3 54.9

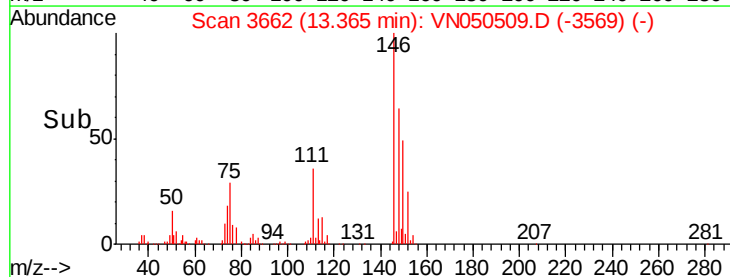
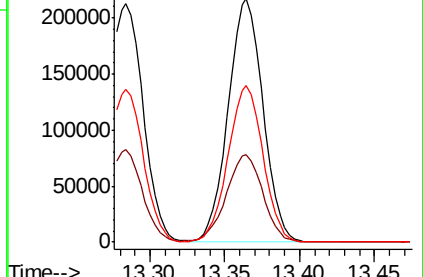
148 64.5 31.9 95.9

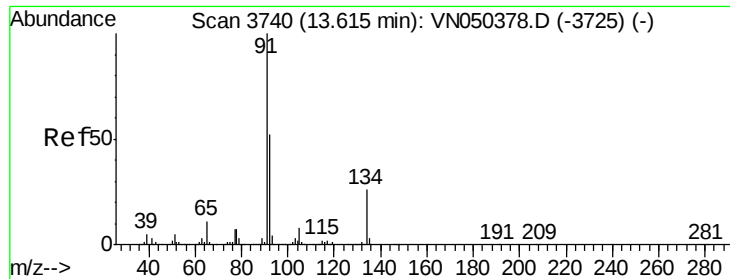


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

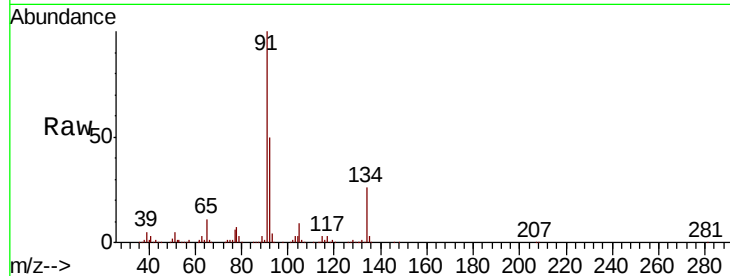




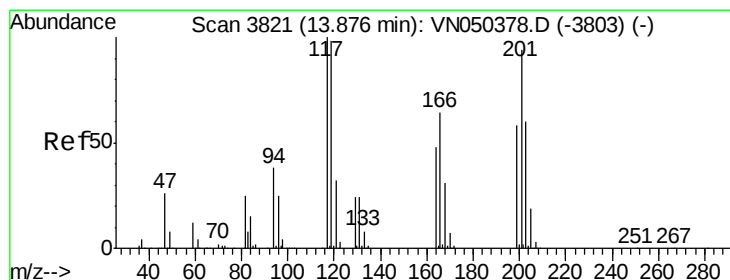
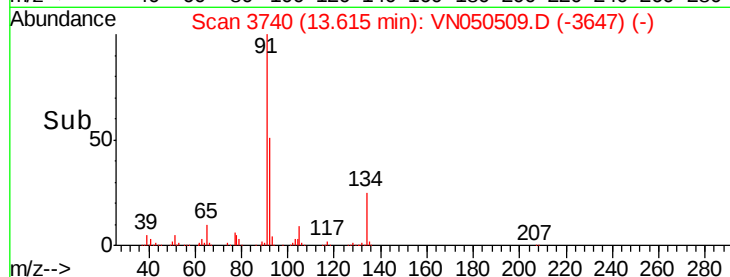
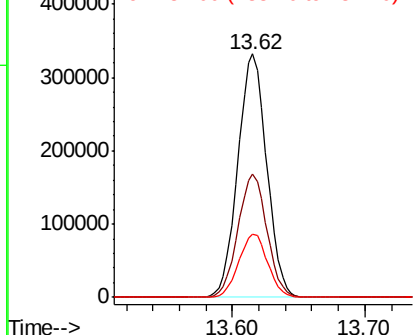
#89
n-Butylbenzene
Concen: 18.61 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion: 91 Resp: 502884
Ion Ratio Lower Upper
91 100
92 50.8 25.8 77.4
134 26.0 12.8 38.4

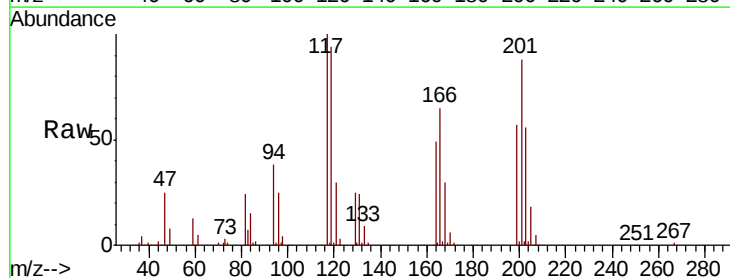


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

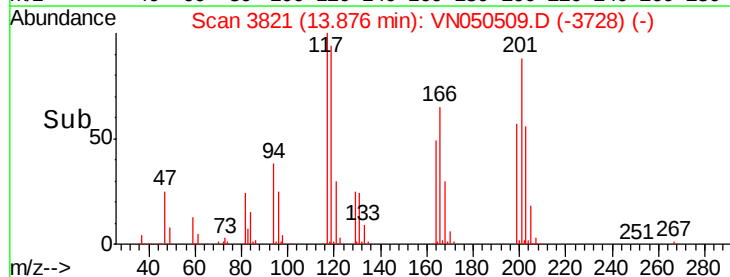
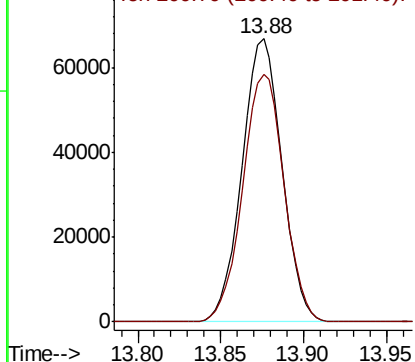


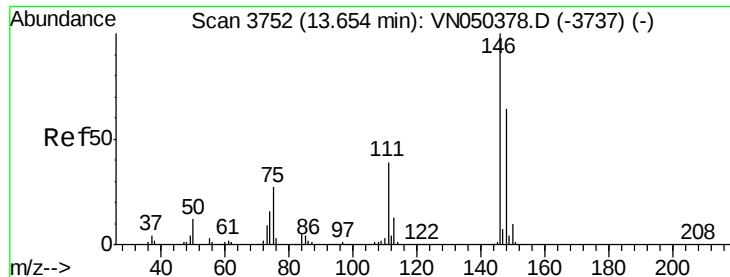
#90
Hexachloroethane
Concen: 19.79 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 117 Resp: 111721
Ion Ratio Lower Upper
117 100
201 90.4 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.47 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

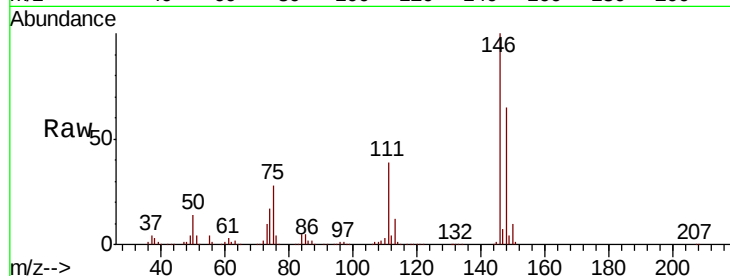
Tot Ion:146 Resp: 346562

Ion Ratio Lower Upper

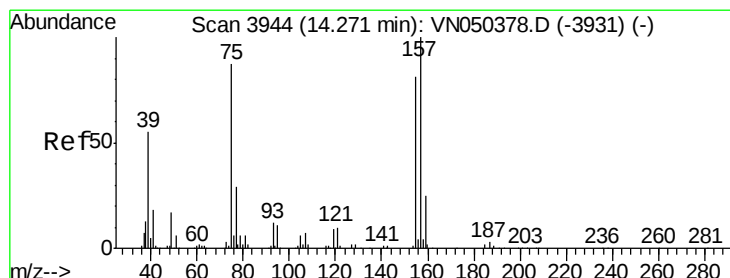
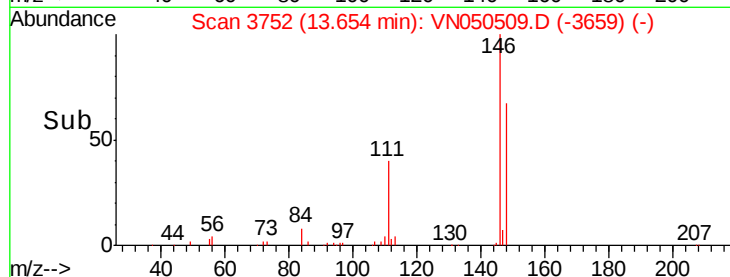
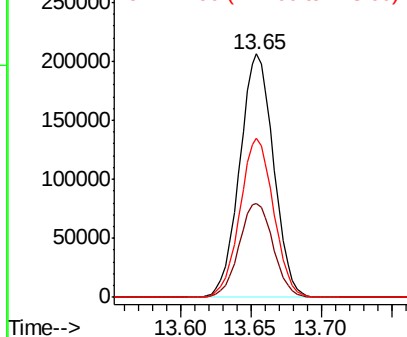
146 100

111 39.0 19.6 58.7

148 65.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.04 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

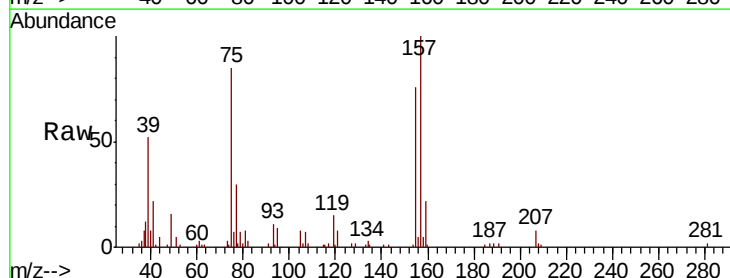
Tgt Ion: 75 Resp: 26989

Ion Ratio Lower Upper

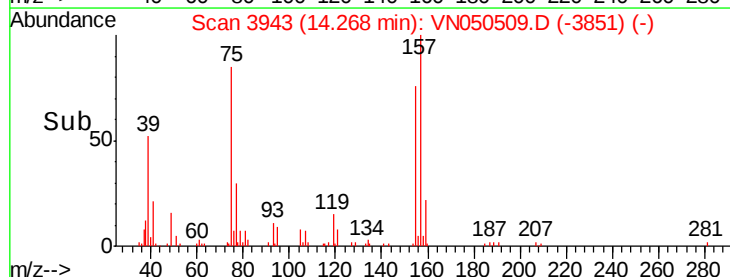
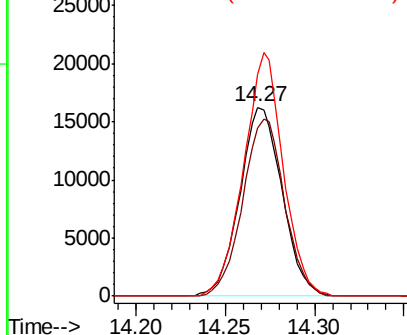
75 100

155 92.5 44.8 134.4

157 120.6 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

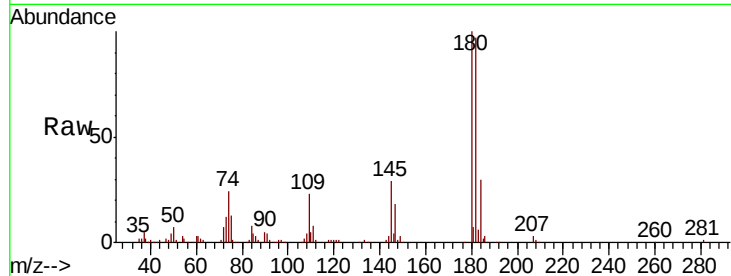




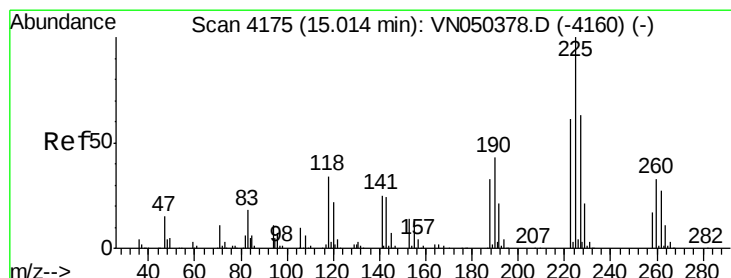
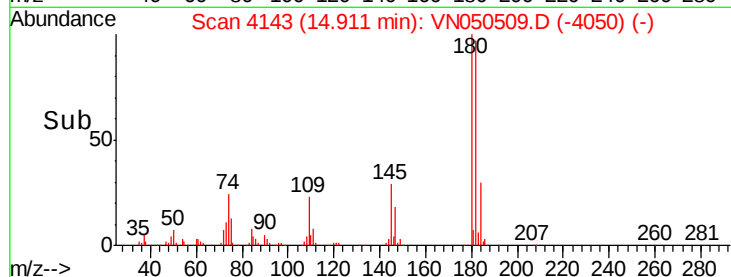
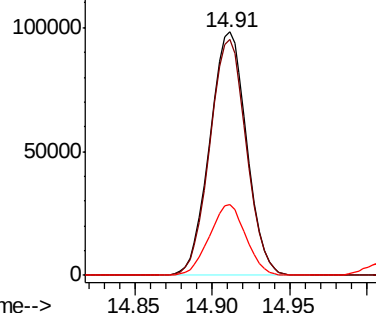
#93
 1,2,4-Trichlorobenzene
 Concen: 16.99 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.7	140.1
145	28.8	13.8	41.4

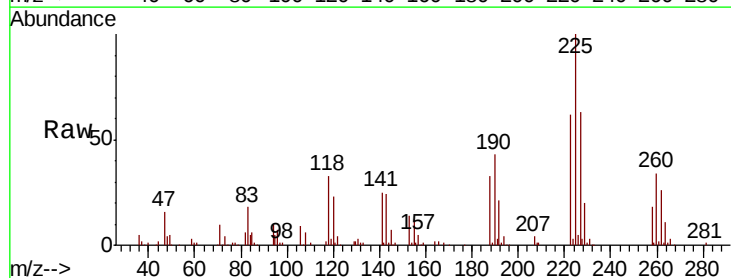


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

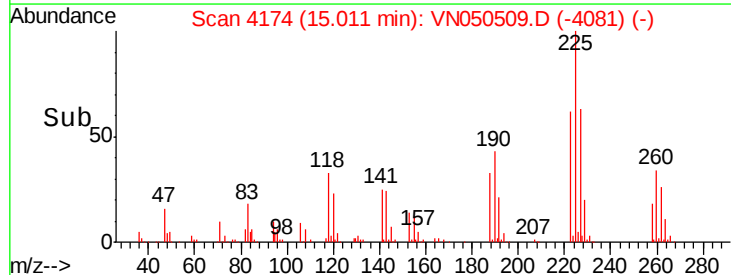
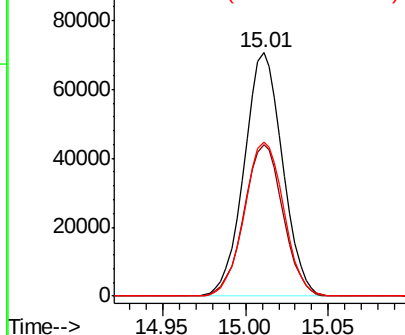


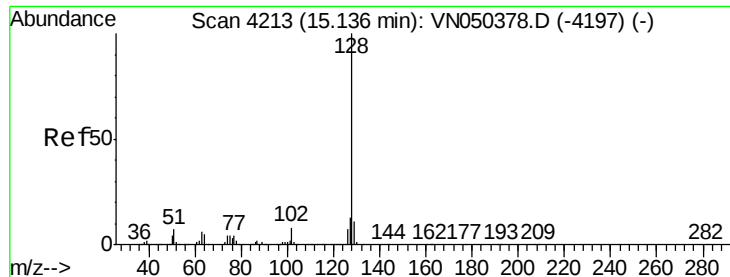
#94
 Hexachlorobutadiene
 Concen: 20.92 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	64.8	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: 15.14 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

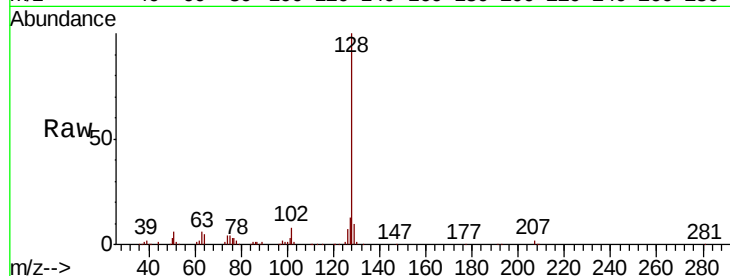
Tot Ion:128 Resp: 314316

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

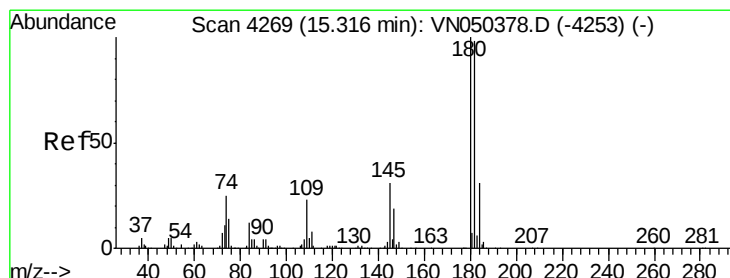
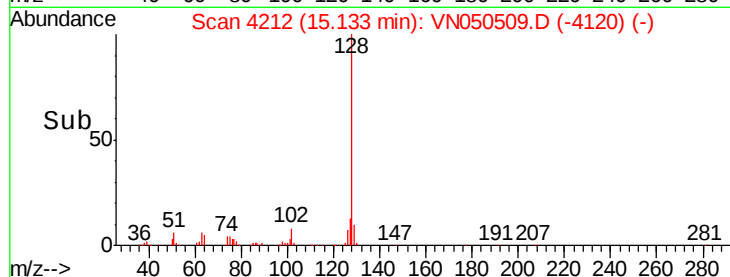
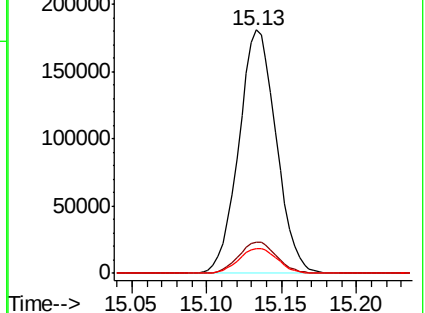
129 10.6 8.8 13.2



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: 16.52 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

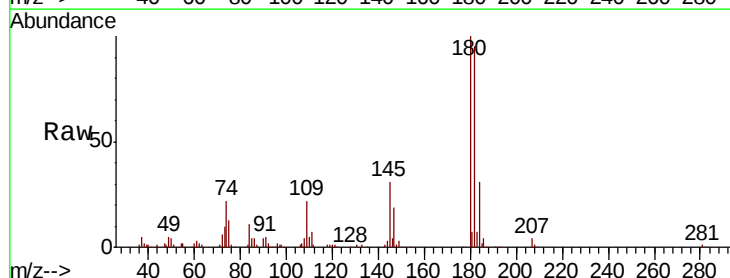
Tgt Ion:180 Resp: 159644

Ion Ratio Lower Upper

180 100

182 94.7 48.1 144.4

145 30.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

