

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050213.D
 Acq On : 31 Jul 2018 14:27
 Operator : MD\SY
 Sample : VN0731WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

Quant Time: Jul 31 18:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	565553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	870247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	782416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	409914	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	7.59	113	362315	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.09	98	1279124	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	417007	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149343	18.38	ug/l	99
3) Chloromethane	2.06	50	151282	17.13	ug/l	100
4) Vinyl Chloride	2.18	62	161775	17.39	ug/l	100
5) Bromomethane	2.56	94	63437	11.51	ug/l	100
6) Chloroethane	2.70	64	98551	17.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	213644	17.73	ug/l	96
8) Diethyl Ether	3.41	74	80099	19.94	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130347	17.99	ug/l	98
10) Methyl Iodide	3.95	142	66119	7.11	ug/l	96
11) Tert butyl alcohol	4.80	59	61113	105.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	118760	18.22	ug/l	98
13) Acrolein	3.61	56	16381	35.12	ug/l	97
14) Allyl chloride	4.32	41	193094	19.10	ug/l	99
15) Acrylonitrile	4.99	53	262034	103.45	ug/l	99
16) Acetone	3.82	43	206114	108.43	ug/l	98
17) Carbon Disulfide	4.05	76	325962	16.32	ug/l	99
18) Methyl Acetate	4.33	43	188066	25.21	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	365137	21.02	ug/l	99
20) Methylene Chloride	4.55	84	148986	20.56	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	128833	18.65	ug/l	96
22) Diisopropyl ether	5.96	45	435695	21.74	ug/l	97
23) Vinyl Acetate	5.90	43	1442508	101.85	ug/l	100
24) 1,1-Dichloroethane	5.85	63	257415	19.64	ug/l	99
25) 2-Butanone	6.84	43	315843	104.94	ug/l	100
26) 2,2-Dichloropropane	6.83	77	197847	19.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148885	20.02	ug/l	98
28) Bromochloromethane	7.20	49	121108	20.26	ug/l	98
29) Tetrahydrofuran	7.22	42	204420	105.11	ug/l	98
30) Chloroform	7.37	83	264239	19.76	ug/l	99
31) Cyclohexane	7.66	56	195011	17.90	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	216743	18.95	ug/l	99
36) 1,1-Dichloropropene	7.80	75	176384	17.99	ug/l	99
37) Ethyl Acetate	6.93	43	137153	20.06	ug/l	99
38) Carbon Tetrachloride	7.78	117	188176	18.09	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	172965	17.15	ug/l	97
40) Benzene	8.04	78	579660	19.43	ug/l	99
41) Methacrylonitrile	7.18	41	65617	20.17	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	194464	19.54	ug/l	99
43) Isopropyl Acetate	8.17	43	305807	23.13	ug/l #	92
44) Trichloroethene	8.84	130	148248	18.49	ug/l	97
45) 1,2-Dichloropropane	9.12	63	157644	19.95	ug/l	99
46) Dibromomethane	9.21	93	98586	20.09	ug/l	100
47) Bromodichloromethane	9.40	83	206532	19.94	ug/l	100
48) Methyl methacrylate	9.20	41	121014	20.56	ug/l	99
49) 1,4-Dioxane	9.20	88	34815	434.55	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	698352	103.92	ug/l	100
52) Toluene	10.16	92	347793	19.75	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196389	20.10	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	224950	20.14	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	142500	20.40	ug/l	100
56) Ethyl methacrylate	10.43	69	169670	19.23	ug/l	99
57) 1,3-Dichloropropane	10.71	76	234543	20.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	357637	86.66	ug/l	100
59) 2-Hexanone	10.75	43	455361	95.48	ug/l	99
60) Dibromochloromethane	10.90	129	155933	20.16	ug/l	98
61) 1,2-Dibromoethane	11.01	107	137627	19.86	ug/l	99
64) Tetrachloroethene	10.63	164	134641	17.90	ug/l	99
65) Chlorobenzene	11.44	112	381783	19.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150428	19.81	ug/l	100
67) Ethyl Benzene	11.51	91	603373	19.01	ug/l	100
68) m/p-Xylenes	11.62	106	472788	39.37	ug/l	99
69) o-Xylene	11.95	106	226929	19.82	ug/l	100
70) Styrene	11.97	104	364310	18.49	ug/l	100
71) Bromoform	12.13	173	108974	19.73	ug/l #	99
73) Isopropylbenzene	12.25	105	593120	20.09	ug/l	100
74) N-amyl acetate	12.07	43	180407	19.99	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	181230	21.99	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215109	30.40	ug/l #	100
77) Bromobenzene	12.53	156	161722	19.76	ug/l	99
78) n-propylbenzene	12.59	91	672379	20.37	ug/l	99
79) 2-Chlorotoluene	12.68	91	419444	20.50	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	489596	21.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44903	20.13	ug/l	96
82) 4-Chlorotoluene	12.77	91	415815	20.52	ug/l	100
83) tert-Butylbenzene	12.99	119	415985	20.52	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	495707	21.17	ug/l	99
85) sec-Butylbenzene	13.17	105	547780	20.22	ug/l	99
86) p-Isopropyltoluene	13.29	119	461469	20.22	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	268349	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262658	19.42	ug/l	99
89) n-Butylbenzene	13.62	91	354912	18.91	ug/l	98
90) Hexachloroethane	13.88	117	93150	18.38	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	273083	19.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27415	20.36	ug/l	98

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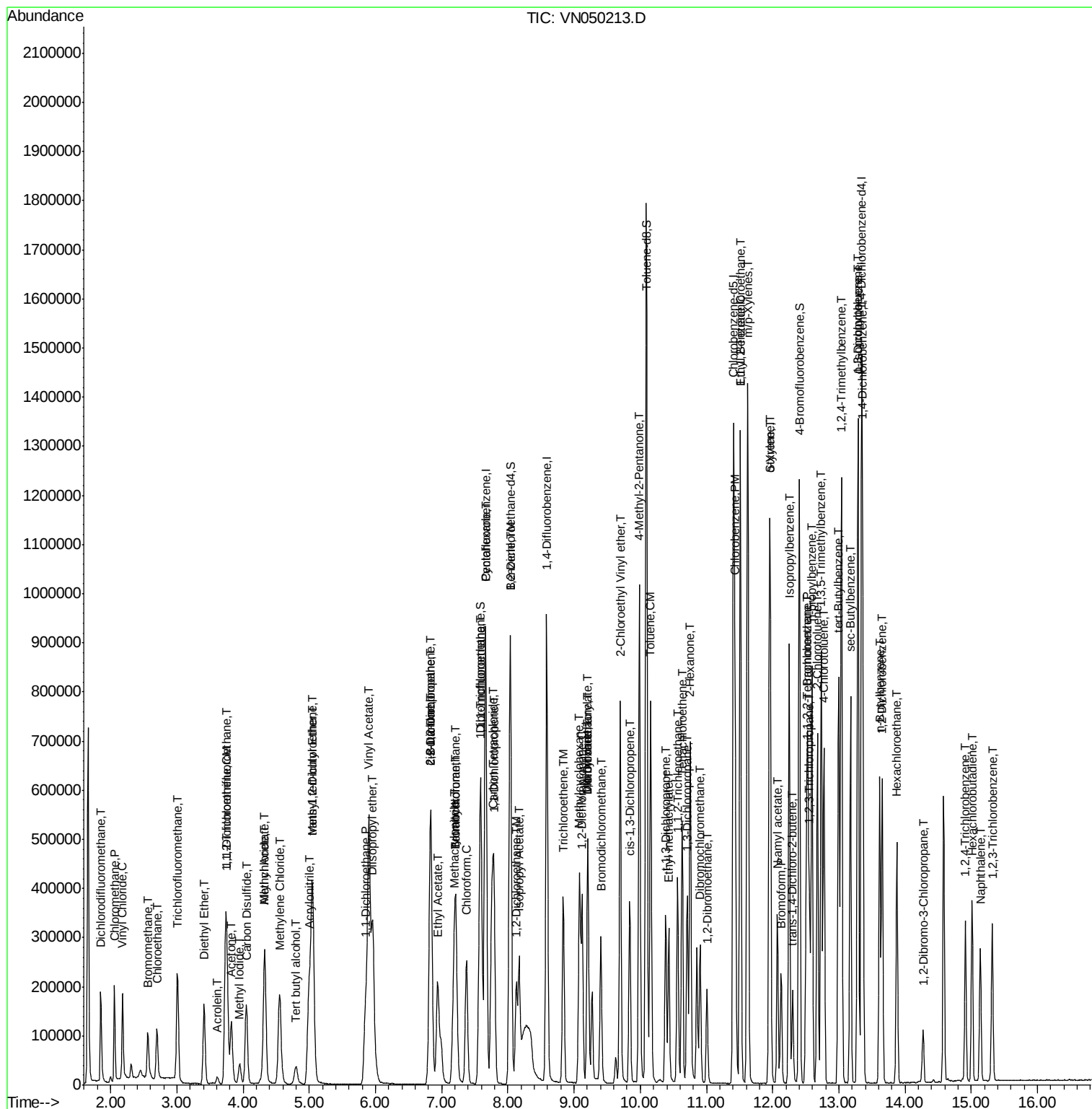
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

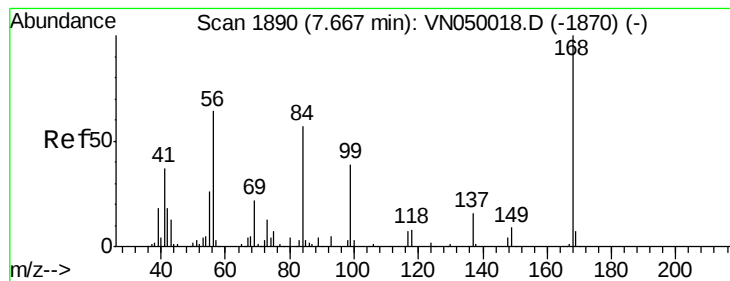
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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107547	16.81	ug/l	96
94) Hexachlorobutadiene	15.01	225	78597	18.51	ug/l	100
95) Naphthalene	15.14	128	234114	16.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	117525	17.89	ug/l	99

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

Quant Time: Jul 31 18:05:50 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

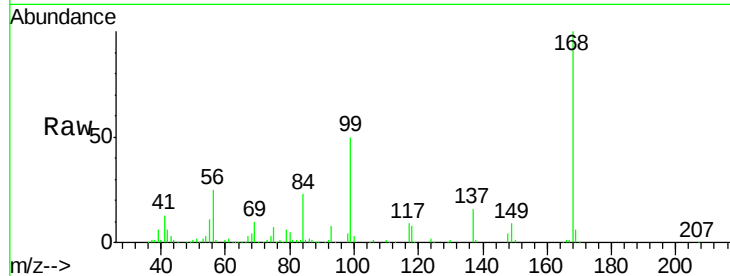
VN0731WBSD02

Tot Ion:168 Resp: 565553

Ion Ratio Lower Upper

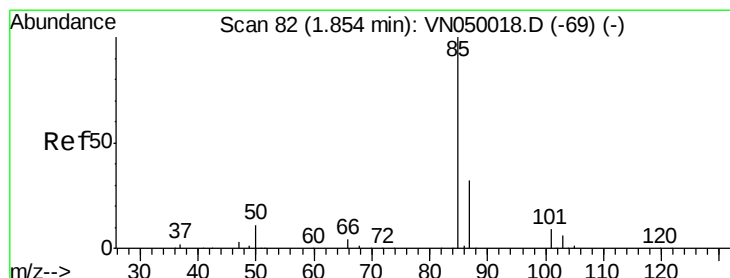
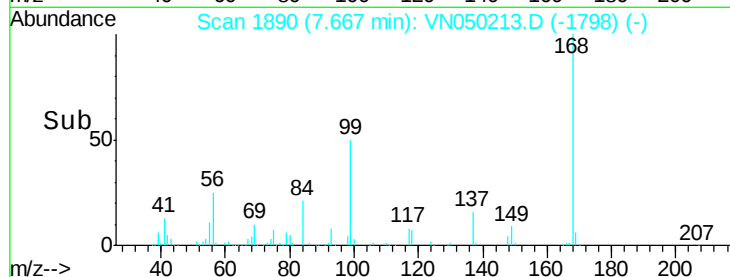
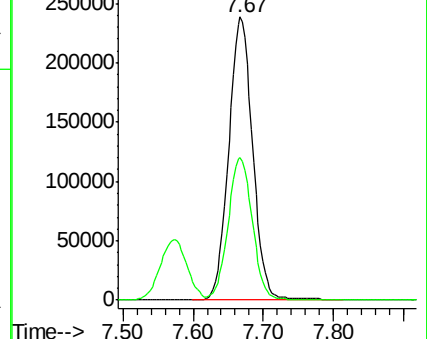
168 100

99 50.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.38 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050213.D

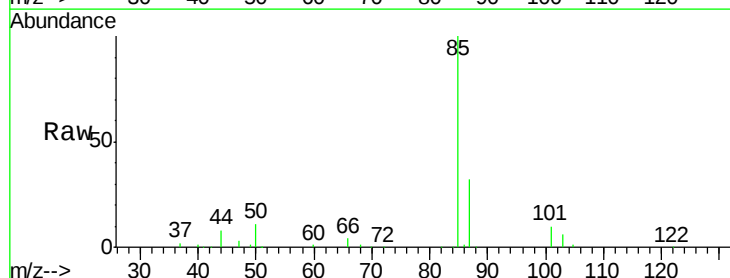
Acq: 31 Jul 2018 14:27

Tgt Ion: 85 Resp: 149343

Ion Ratio Lower Upper

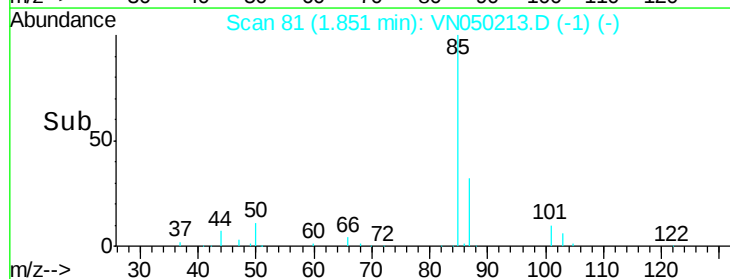
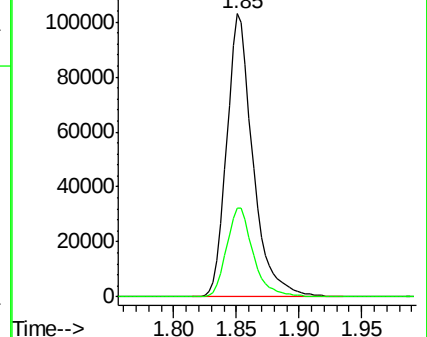
85 100

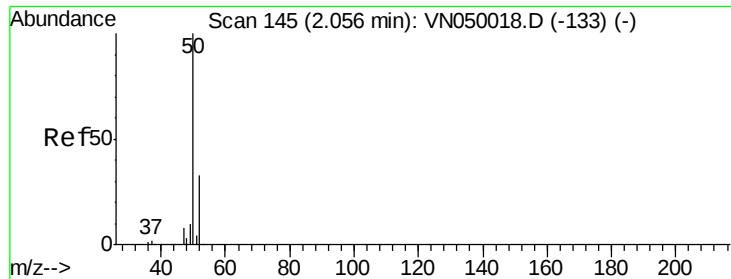
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.13 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

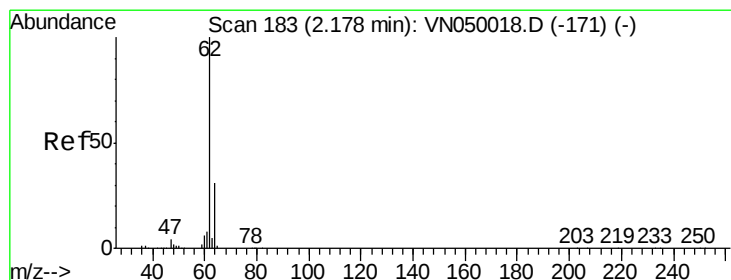
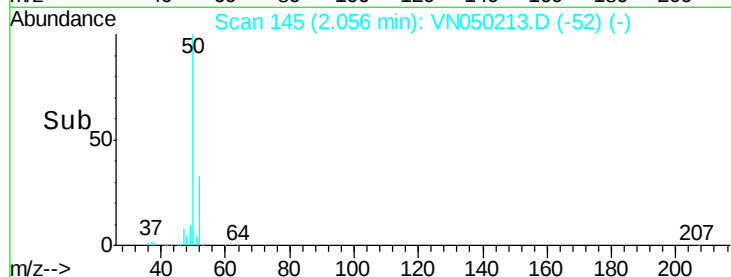
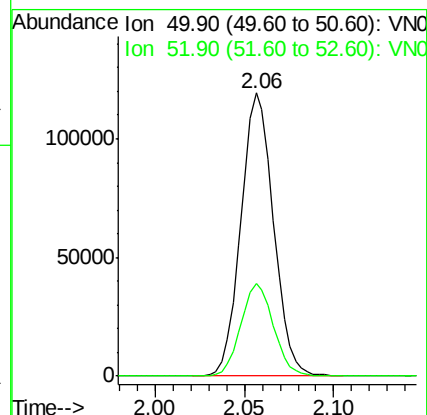
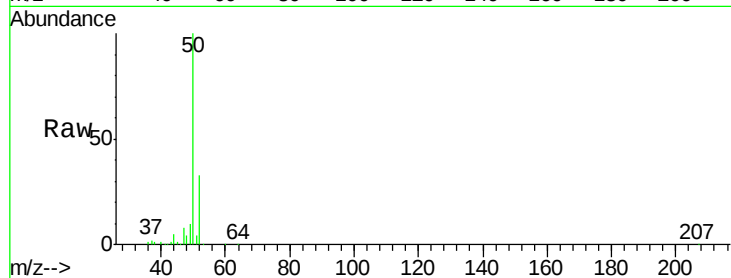
VN0731WBSD02

Tot Ion: 50 Resp: 151282

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



#4

Vinyl Chloride

Concen: 17.39 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050213.D

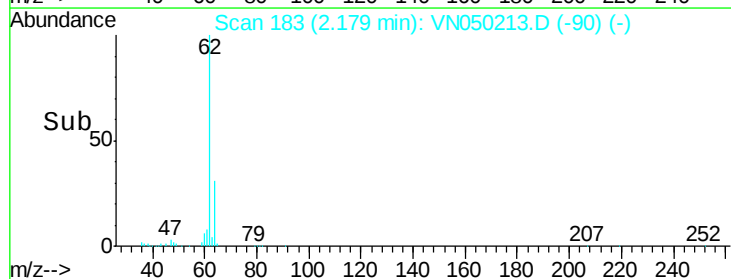
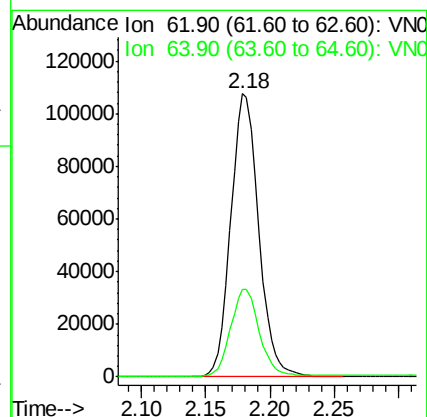
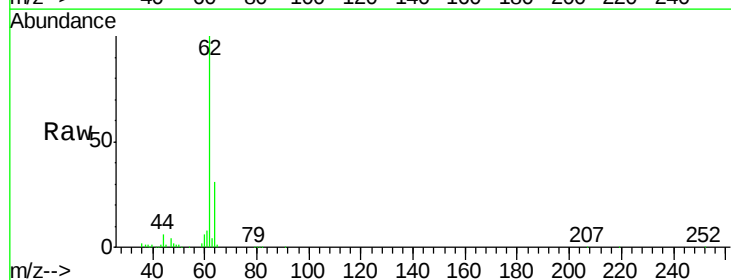
Acq: 31 Jul 2018 14:27

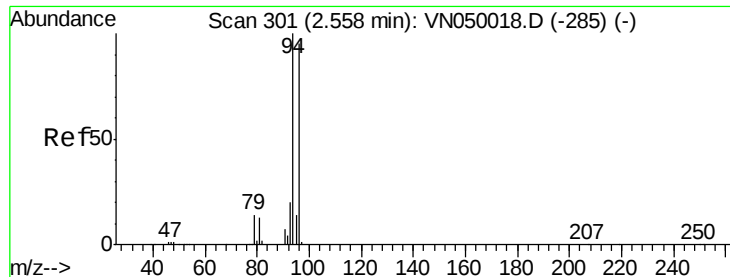
Tgt Ion: 62 Resp: 161775

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 11.51 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

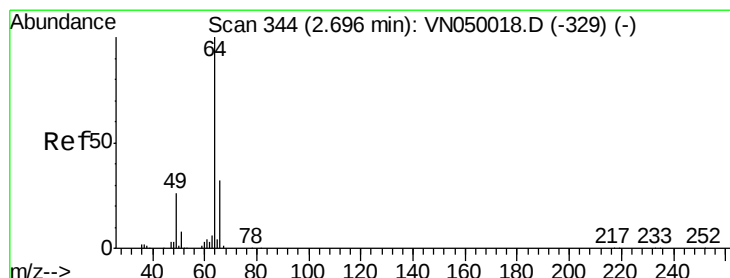
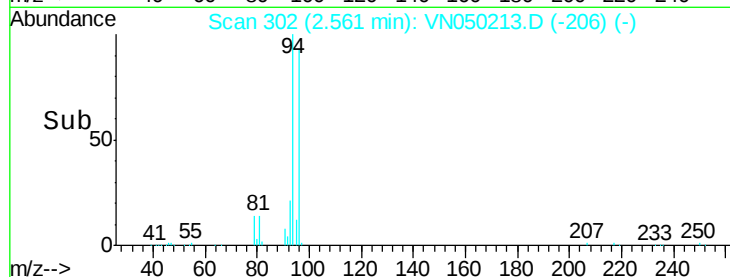
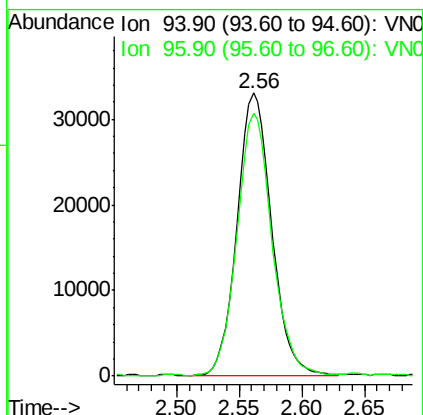
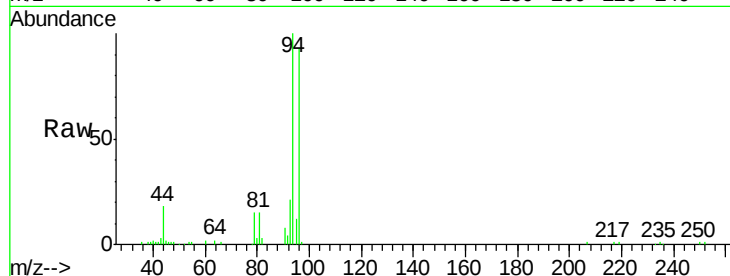
VN0731WBSD02

Tot Ion: 94 Resp: 63437

Ion Ratio Lower Upper

94 100

96 93.0 74.6 112.0



#6

Chloroethane

Concen: 17.64 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050213.D

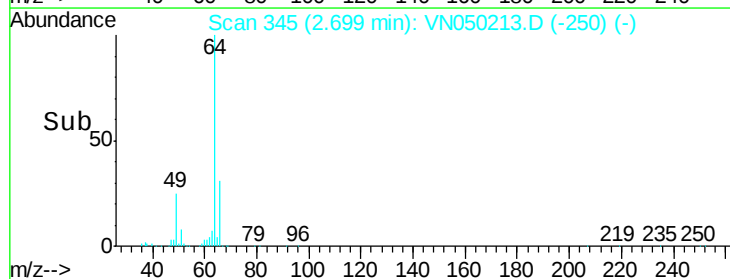
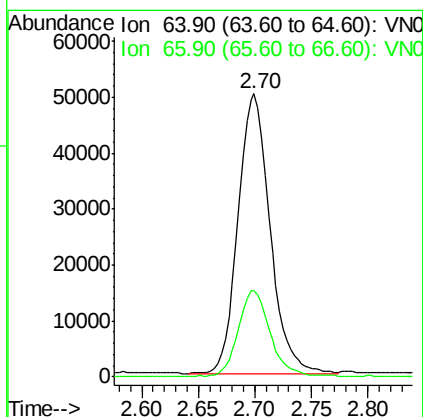
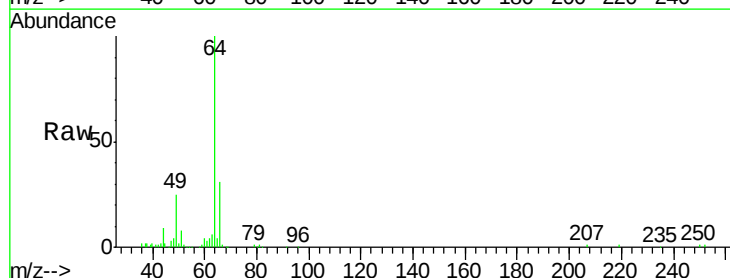
Acq: 31 Jul 2018 14:27

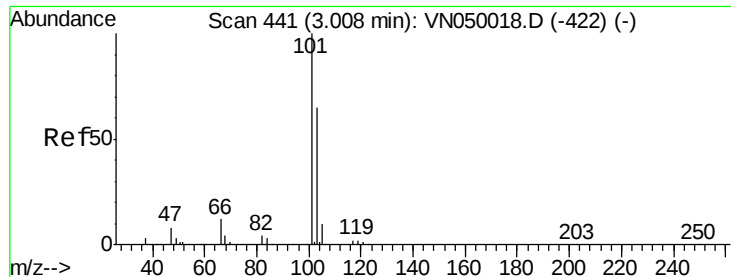
Tgt Ion: 64 Resp: 98551

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9



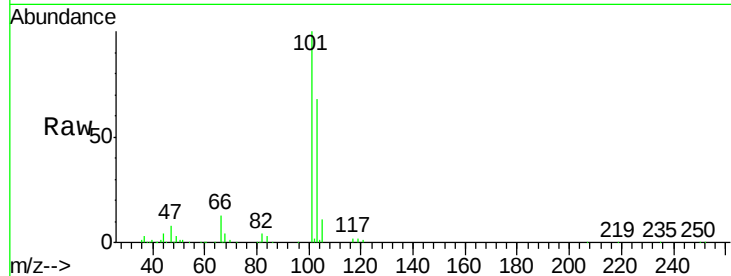


#7

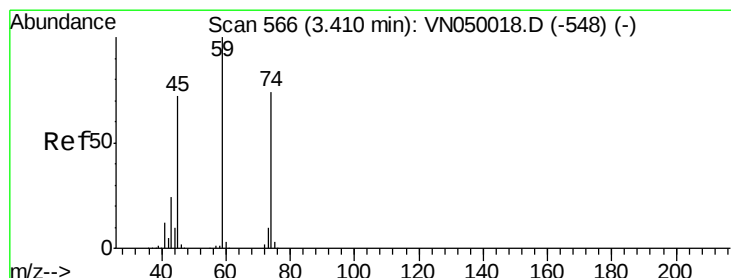
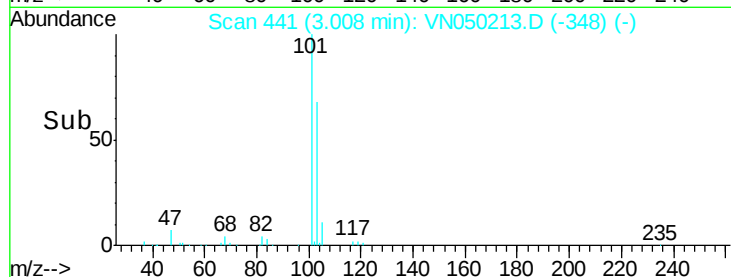
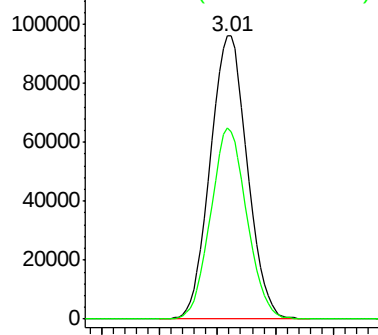
Trichlorofluoromethane
 Concen: 17.73 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Instrument :
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Tot Ion:101 Resp: 213644
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.7 77.5



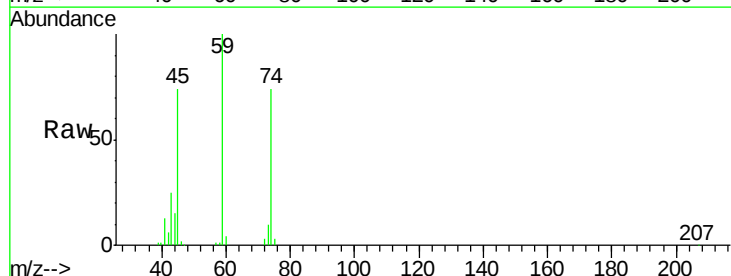
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



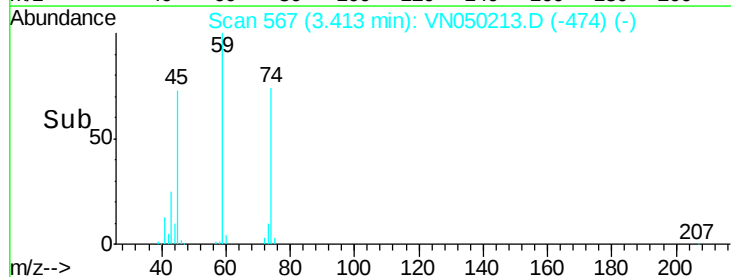
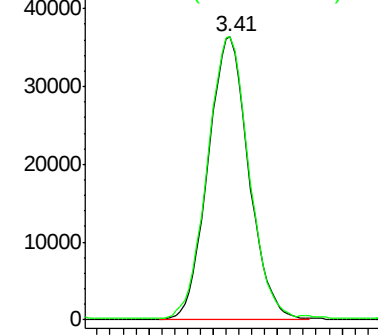
#8

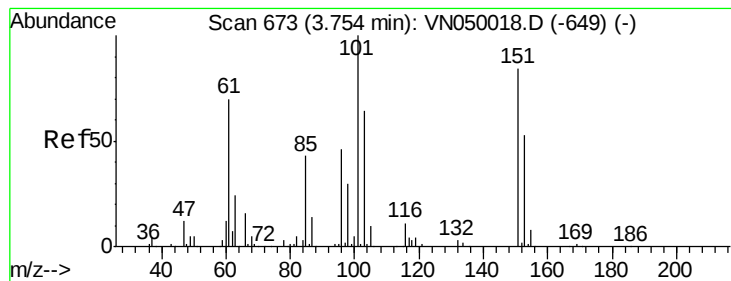
Diethyl Ether
 Concen: 19.94 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion: 74 Resp: 80099
 Ion Ratio Lower Upper
 74 100
 45 100.4 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.99 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

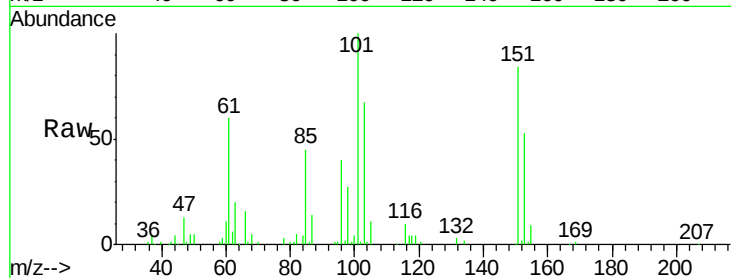
Tot Ion:101 Resp: 130347

Ion Ratio Lower Upper

101 100

85 43.6 34.2 51.2

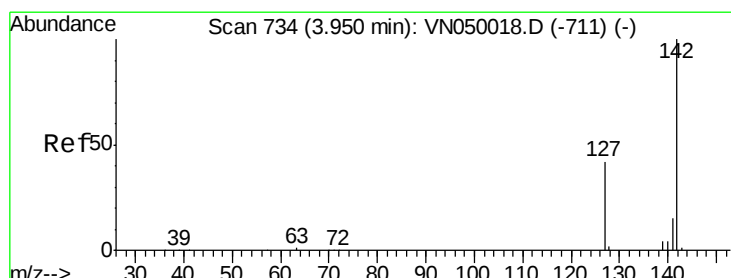
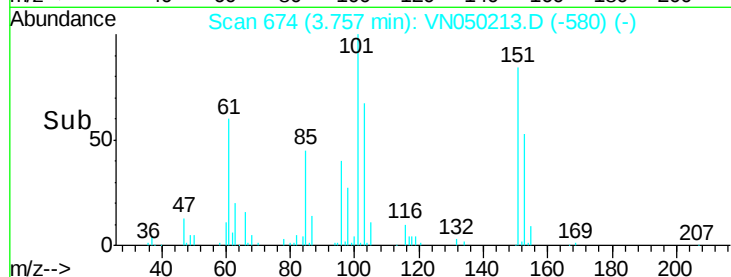
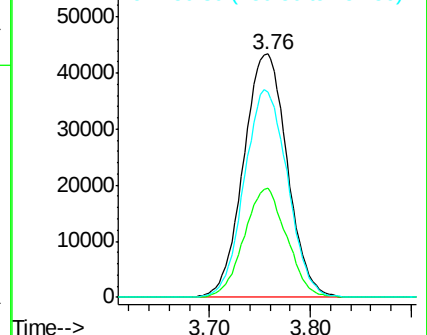
151 84.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.11 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

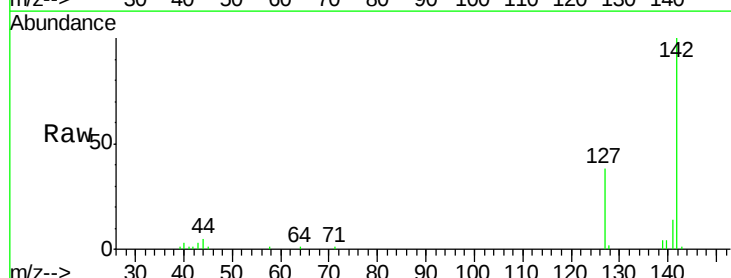
Tgt Ion:142 Resp: 66119

Ion Ratio Lower Upper

142 100

127 38.7 33.4 50.2

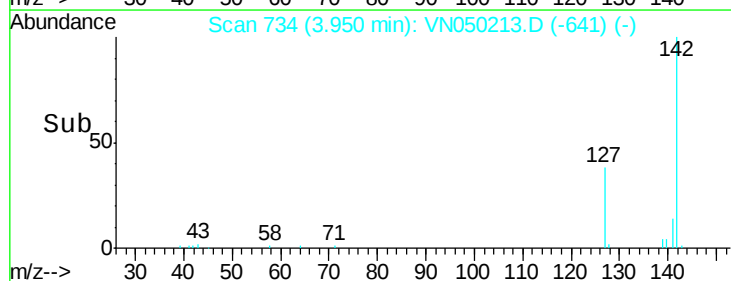
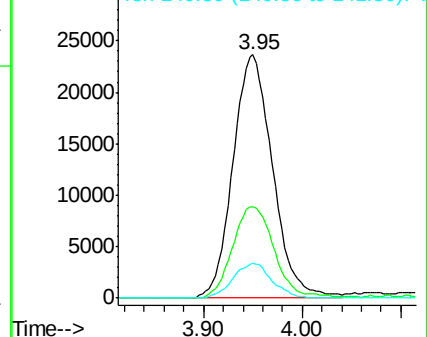
141 14.0 11.6 17.4

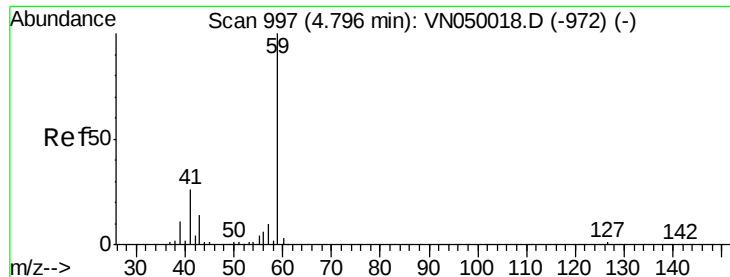


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



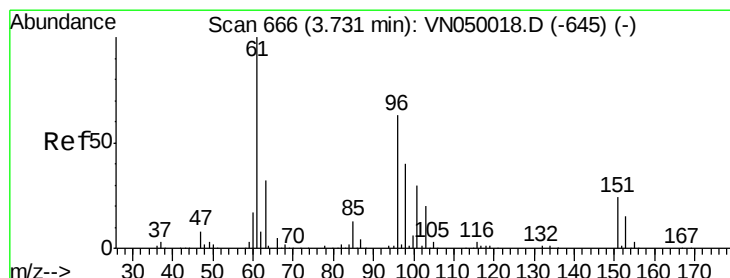
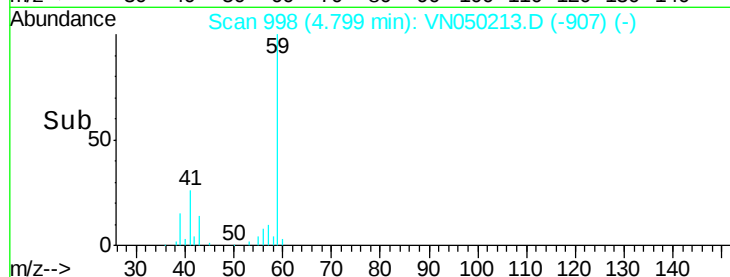
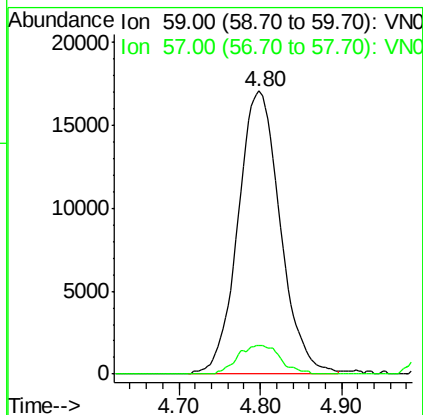
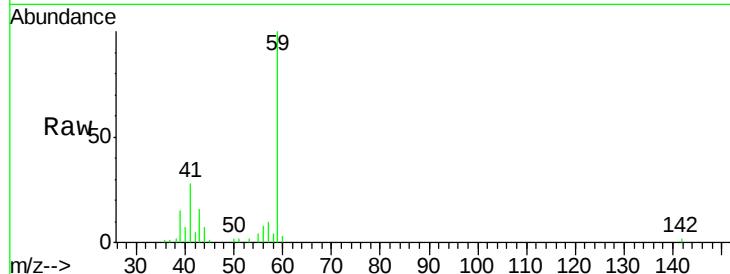


#11

Tert butyl alcohol
 Concen: 105.26 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

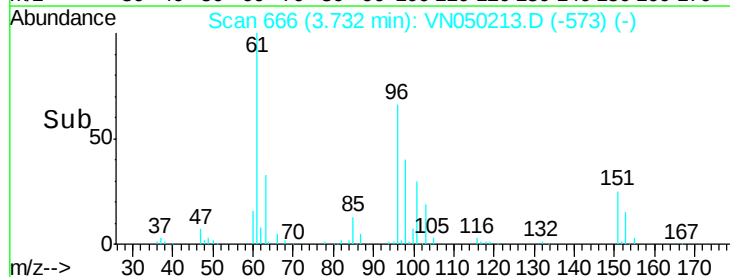
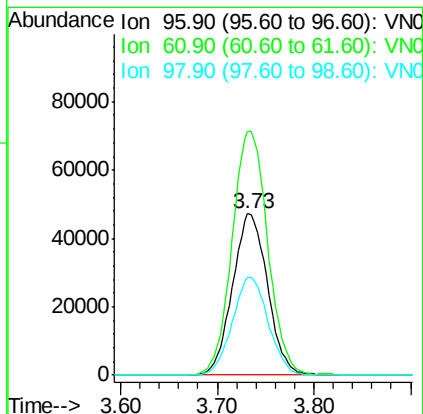
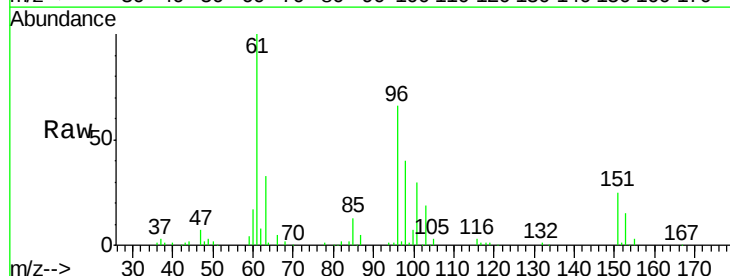
Tot Ion: 59 Resp: 61113
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

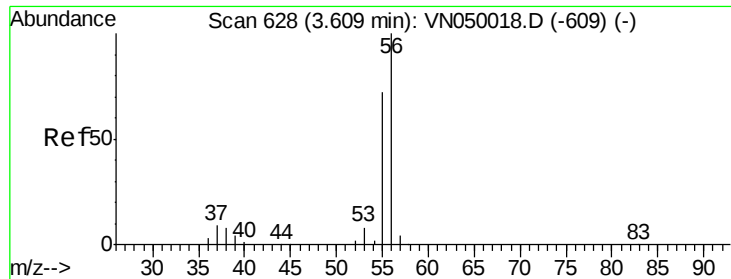


#12

1,1-Dichloroethene
 Concen: 18.22 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion: 96 Resp: 118760
 Ion Ratio Lower Upper
 96 100
 61 151.1 124.4 186.6
 98 60.4 48.3 72.5





#13

Acrolein

Concen: 35.12 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

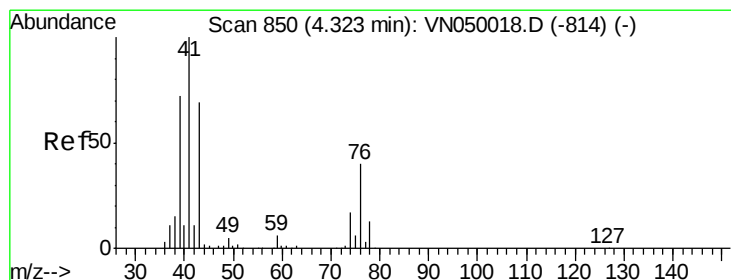
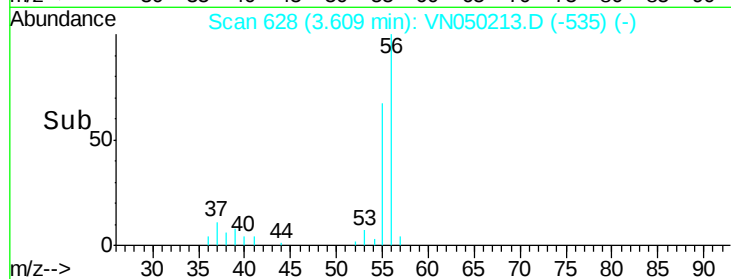
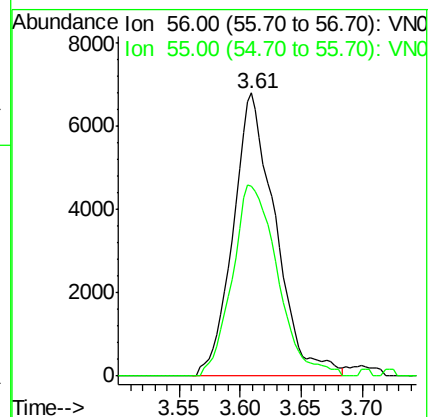
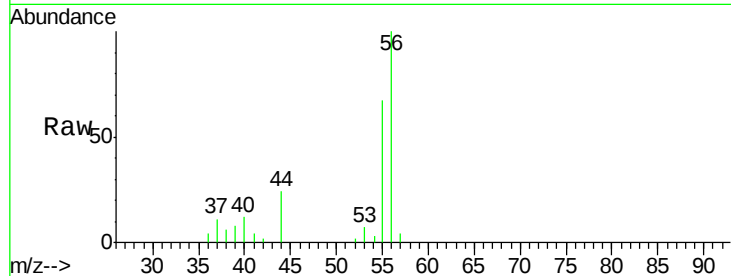
VN0731WBSD02

Tot Ion: 56 Resp: 16381

Ion Ratio Lower Upper

56 100

55 72.0 55.8 83.6



#14

Allyl chloride

Concen: 19.10 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

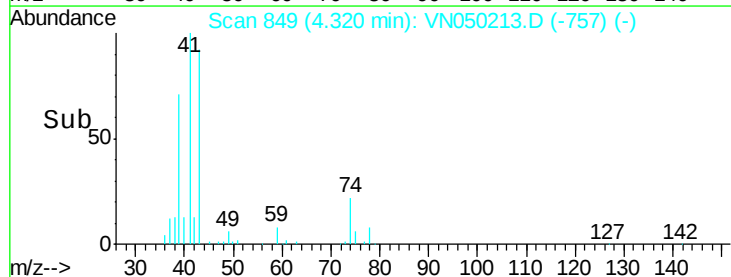
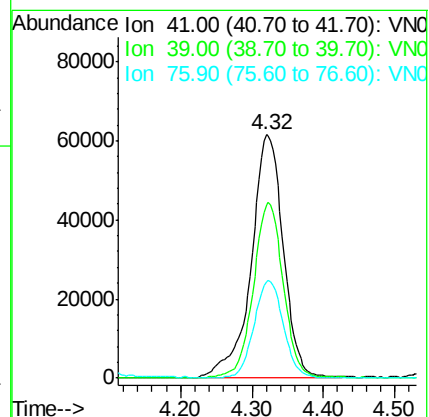
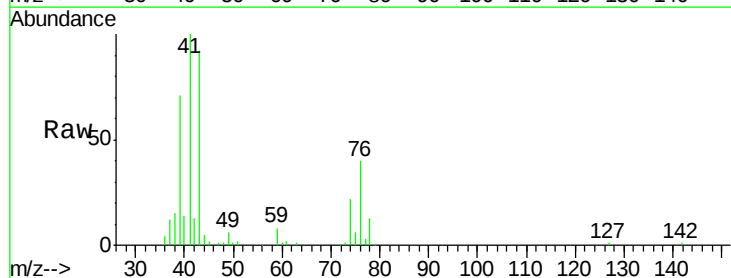
Tgt Ion: 41 Resp: 193094

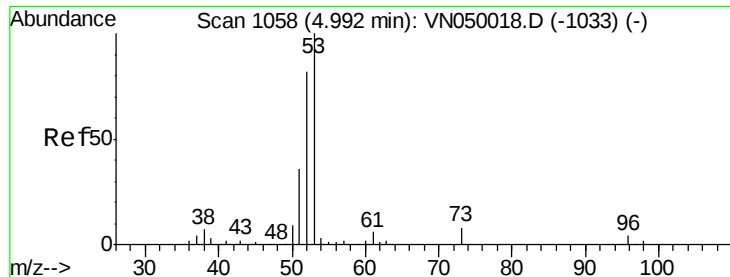
Ion Ratio Lower Upper

41 100

39 66.9 54.2 81.4

76 36.6 29.0 43.6

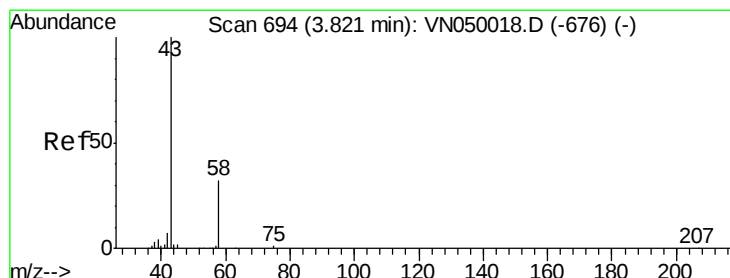
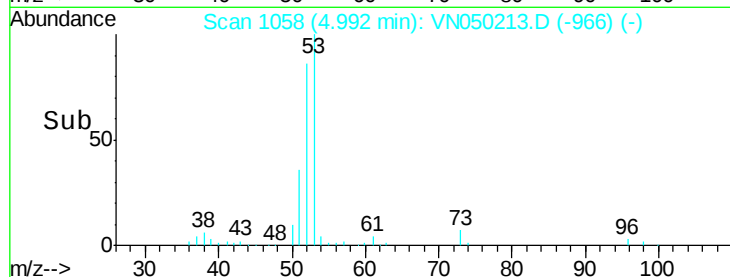
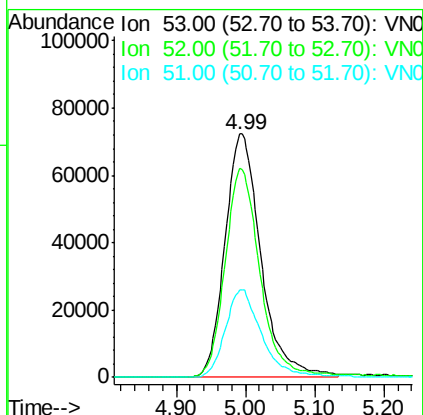
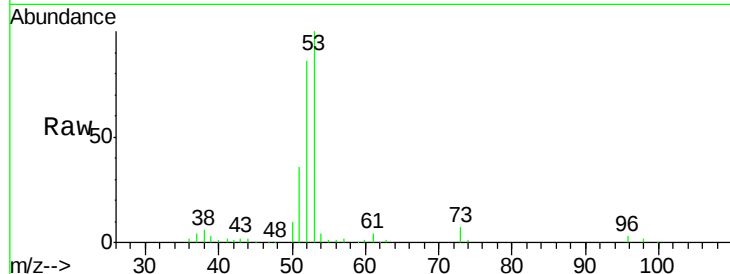




#15
 Acrylonitrile
 Concen: 103.45 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

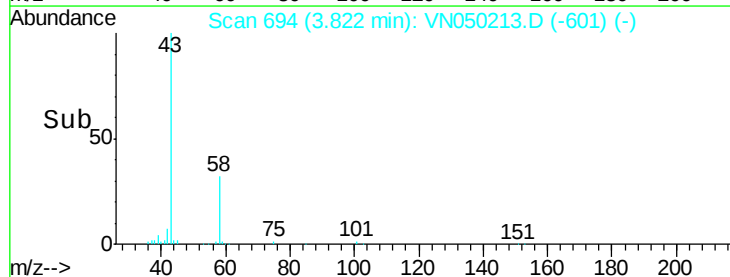
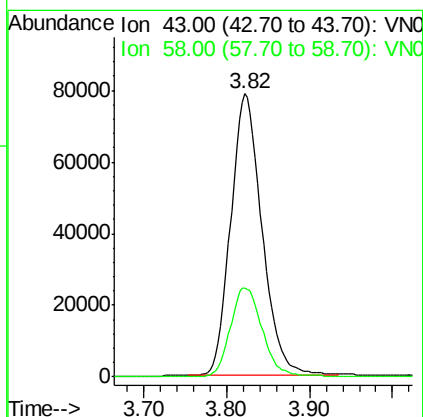
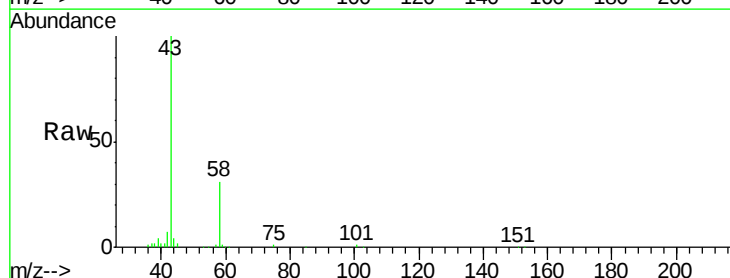
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

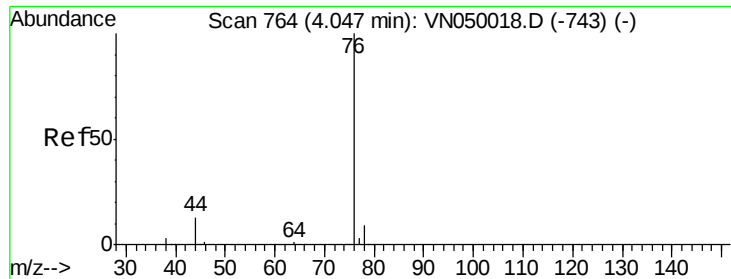
Tot Ion: 53 Resp: 262034
 Ion Ratio Lower Upper
 53 100
 52 82.5 66.2 99.2
 51 35.9 29.3 43.9



#16
 Acetone
 Concen: 108.43 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion: 43 Resp: 206114
 Ion Ratio Lower Upper
 43 100
 58 31.4 25.8 38.8

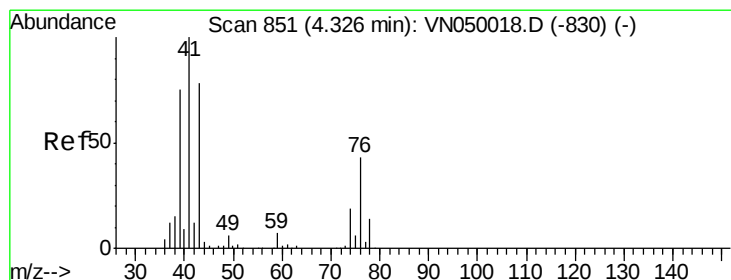
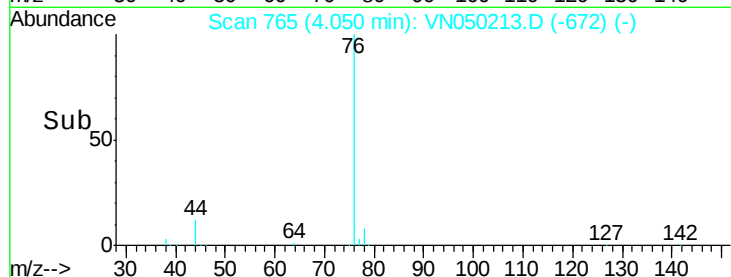
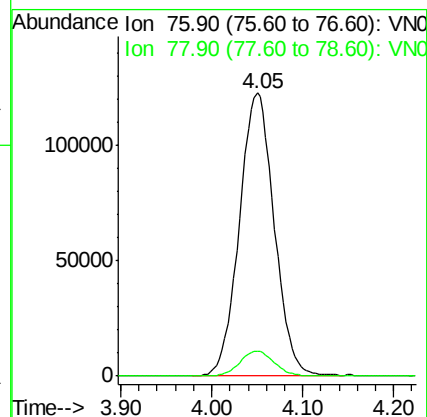
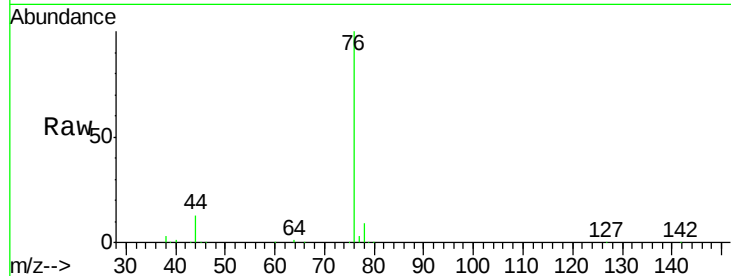




#17
Carbon Disulfide
Concen: 16.32 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

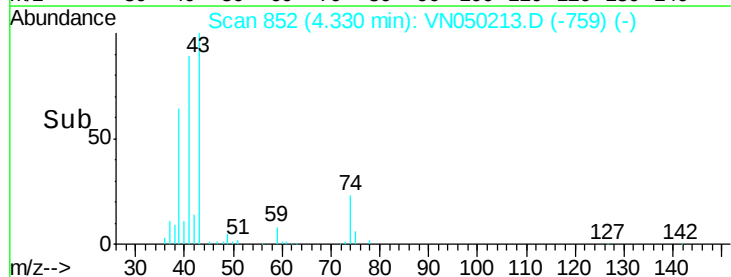
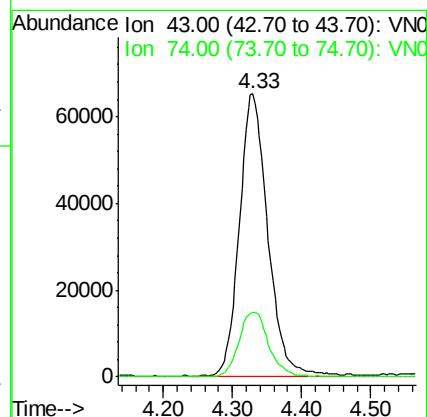
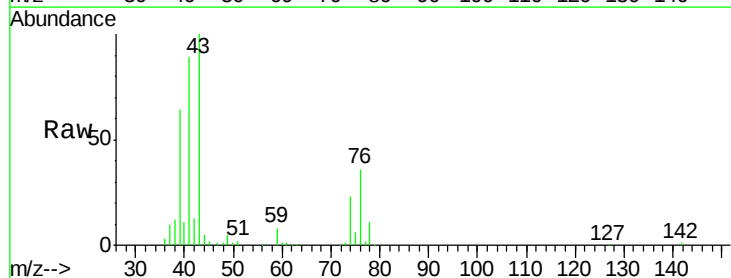
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

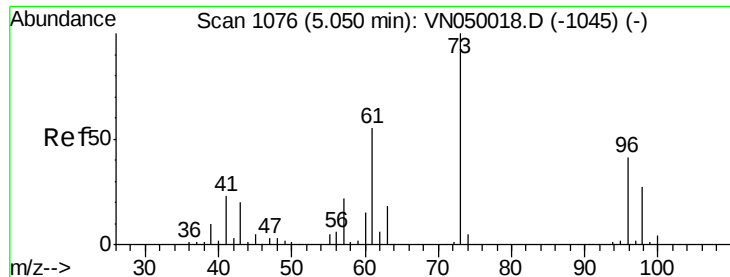
Tot Ion: 76 Resp: 325962
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 25.21 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 43 Resp: 188066
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8

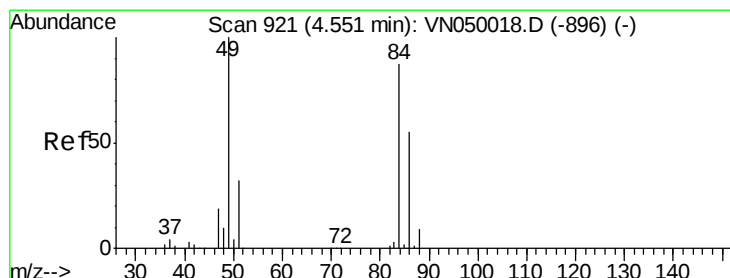
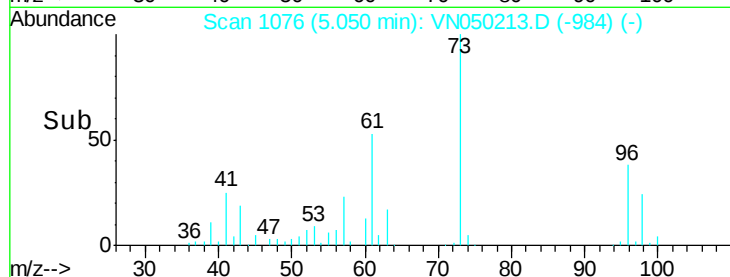
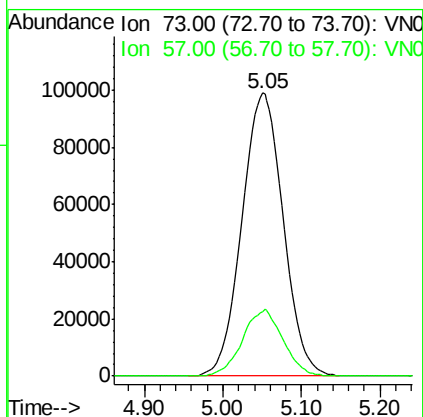
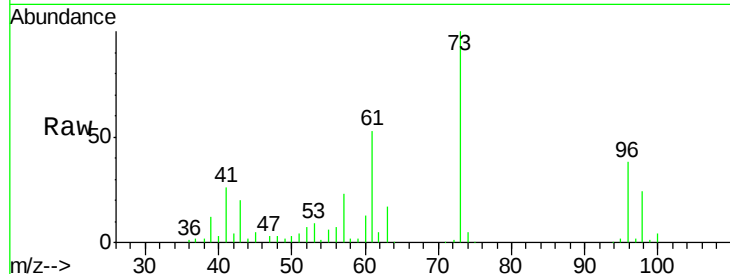




#19
Methyl tert-butyl Ether
Concen: 21.02 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

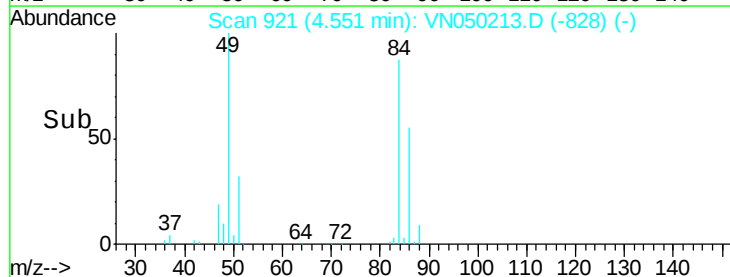
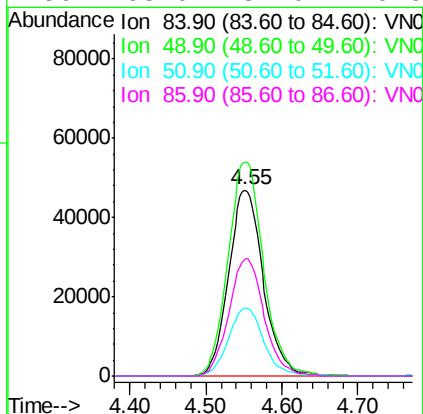
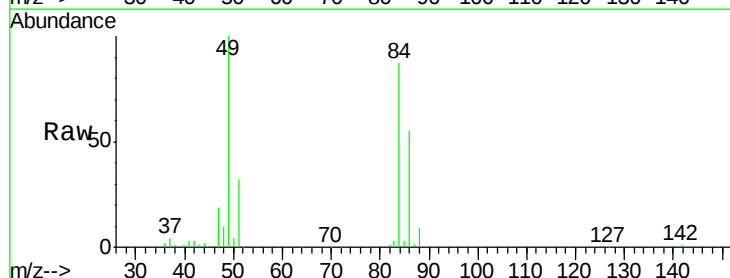
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

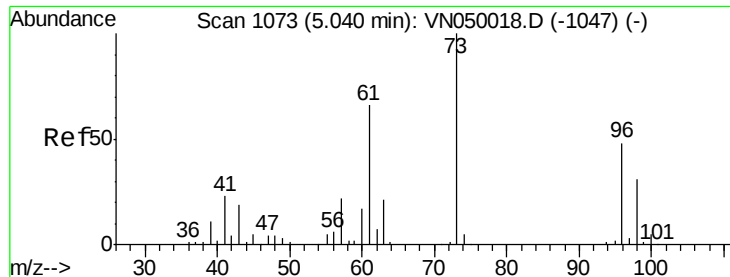
Tot Ion: 73 Resp: 365137
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0



#20
Methylene Chloride
Concen: 20.56 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 84 Resp: 148986
Ion Ratio Lower Upper
84 100
49 114.8 94.8 142.2
51 36.7 28.3 42.5
86 63.0 51.0 76.6

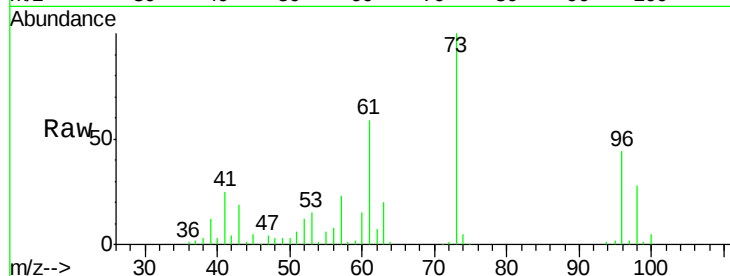




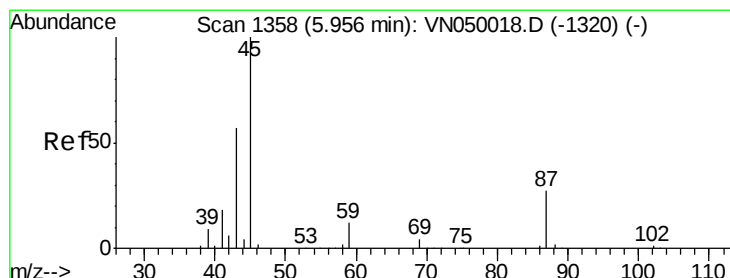
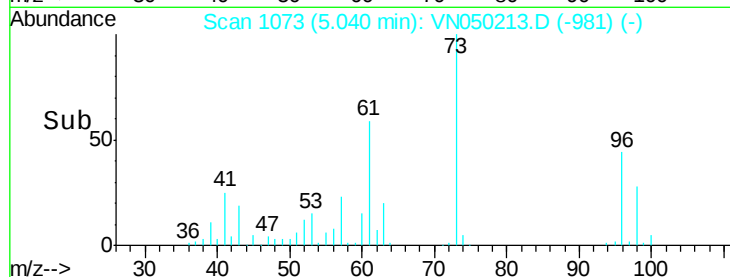
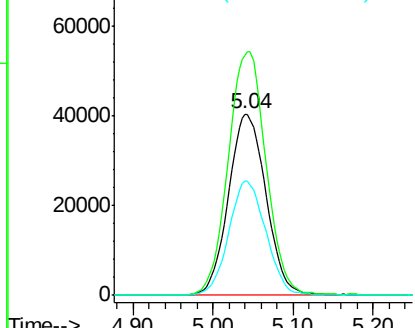
#21
trans-1,2-Dichloroethene
Concen: 18.65 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

Tot Ion: 96 Resp: 128833
Ion Ratio Lower Upper
96 100
61 132.2 110.7 166.1
98 63.1 51.6 77.4

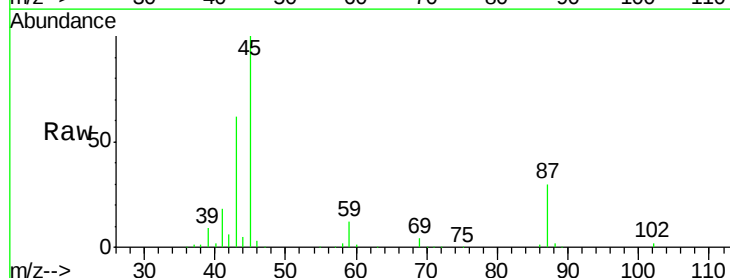


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

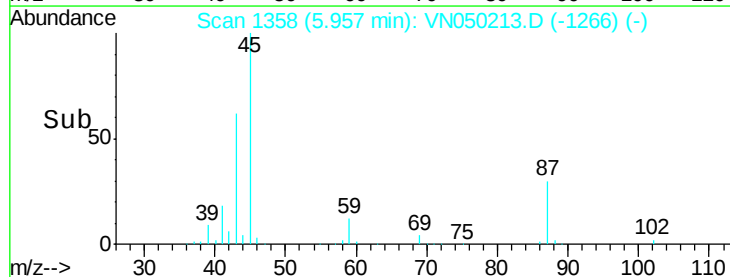
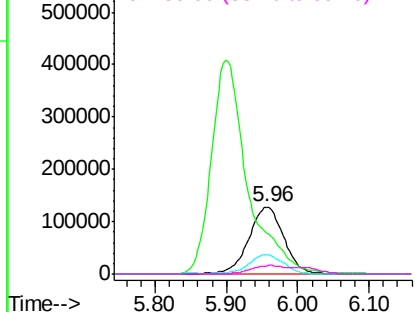


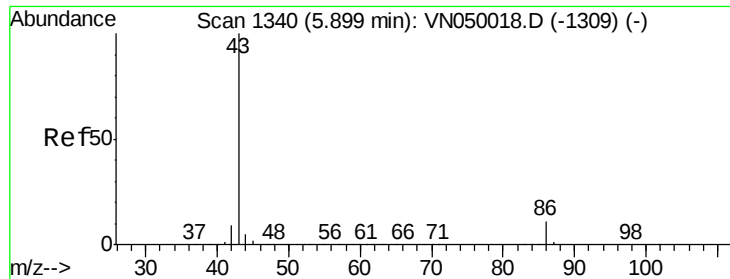
#22
Diisopropyl ether
Concen: 21.74 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 45 Resp: 435695
Ion Ratio Lower Upper
45 100
43 60.2 45.7 68.5
87 29.3 22.7 34.1
59 12.0 9.5 14.3



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





#23

Vinyl Acetate

Concen: 101.85 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

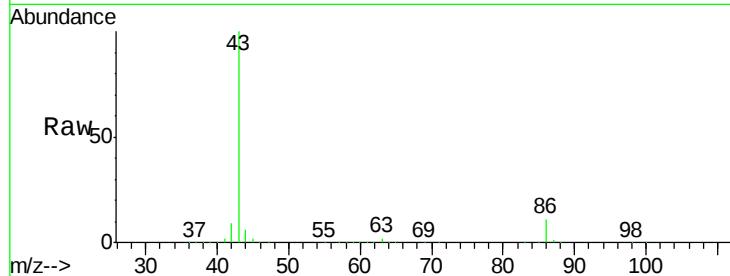
VN0731WBSD02

Tot Ion: 43 Resp: 1442508

Ion Ratio Lower Upper

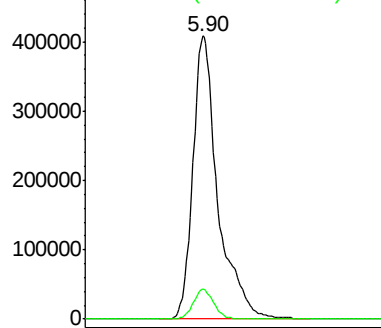
43 100

86 10.8 8.6 13.0

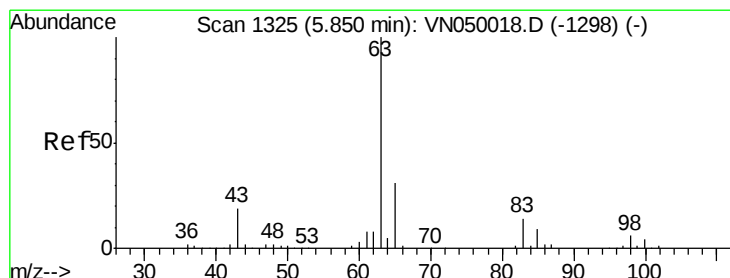
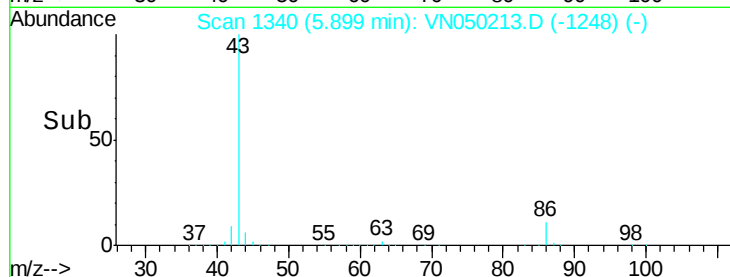


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.64 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

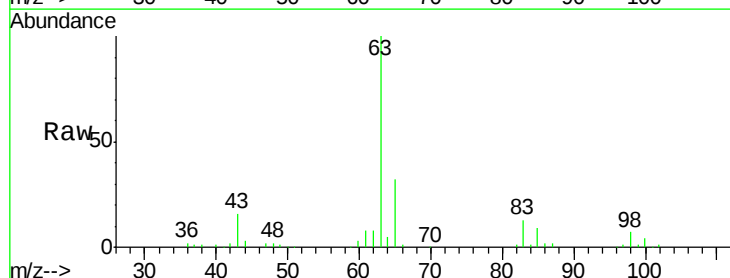
Tgt Ion: 63 Resp: 257415

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

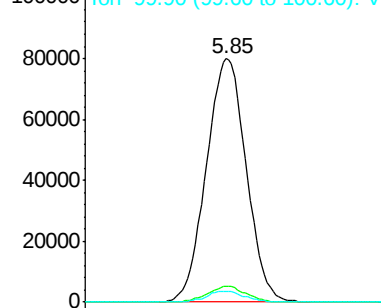
100 4.5 2.1 6.3



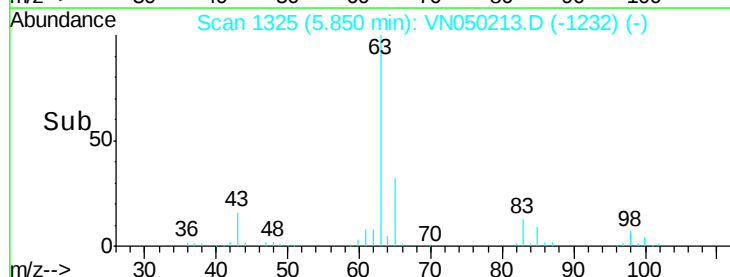
Abundance Ion 62.90 (62.60 to 63.60): VN0

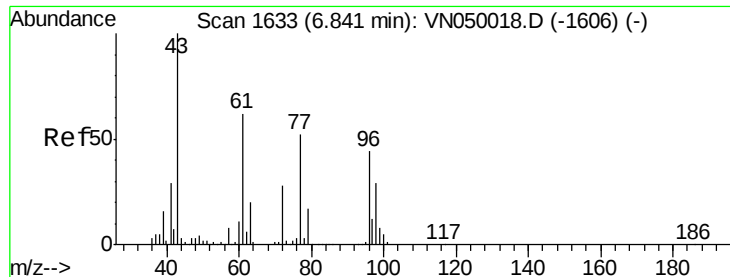
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

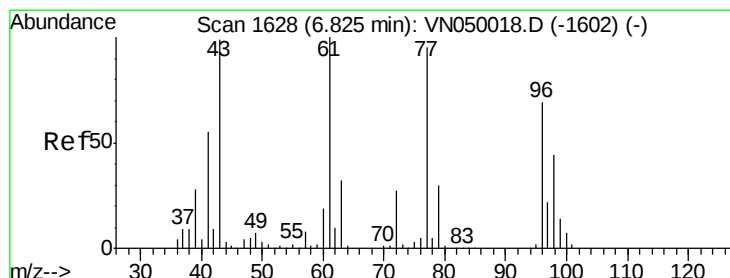
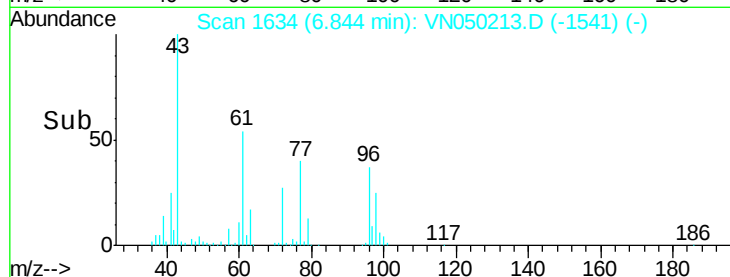
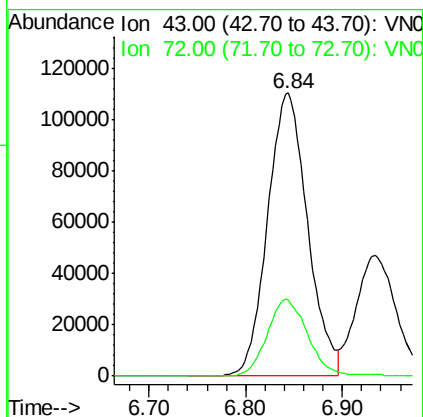
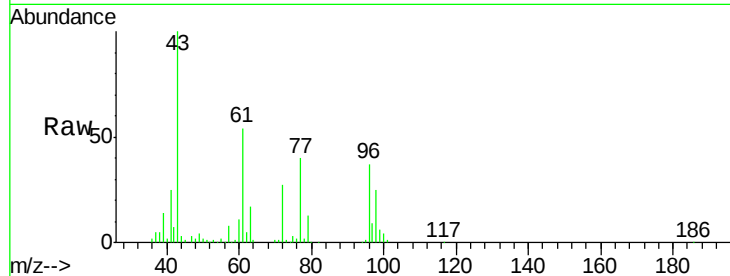




#25
2-Butanone
Concen: 104.94 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

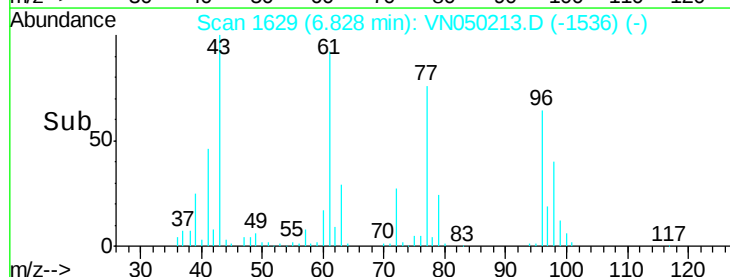
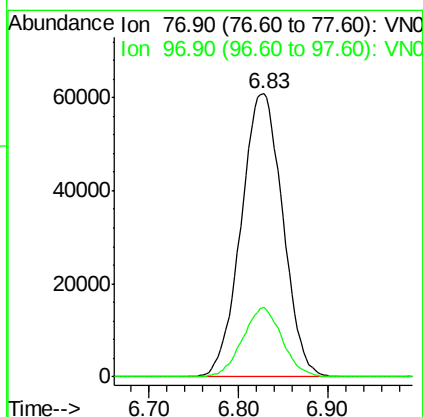
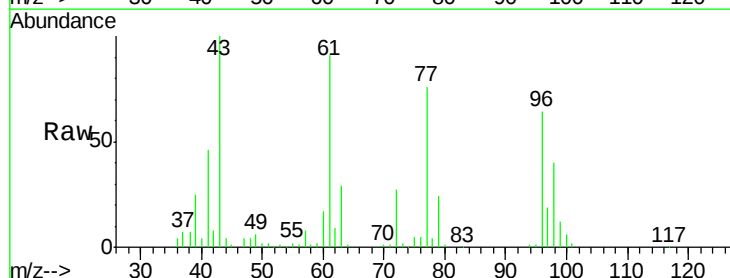
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

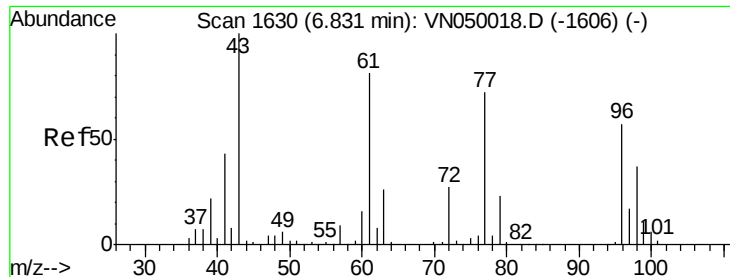
Tot Ion: 43 Resp: 315843
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3



#26
2,2-Dichloropropane
Concen: 19.84 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 77 Resp: 197847
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.02 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleID :

VN0731WBSD02

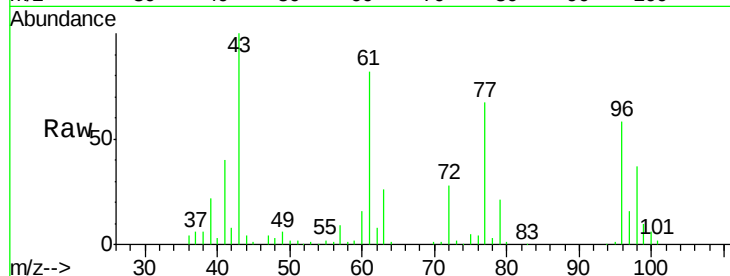
Tot Ion: 96 Resp: 148885

Ion Ratio Lower Upper

96 100

61 146.1 0.0 285.0

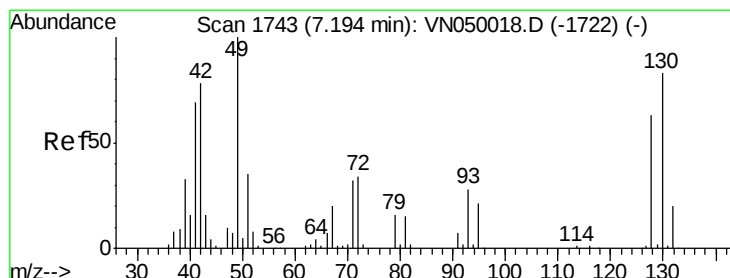
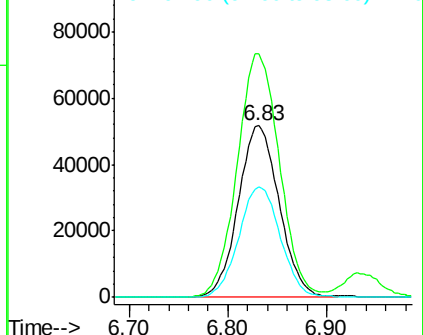
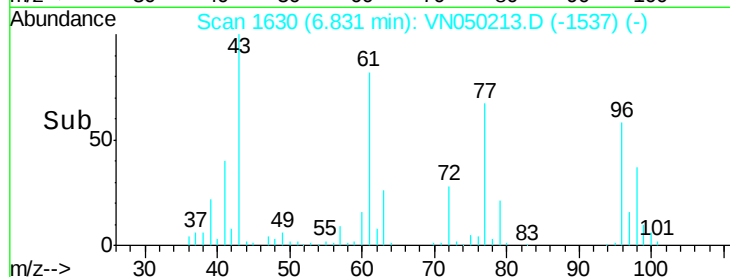
98 65.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.26 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

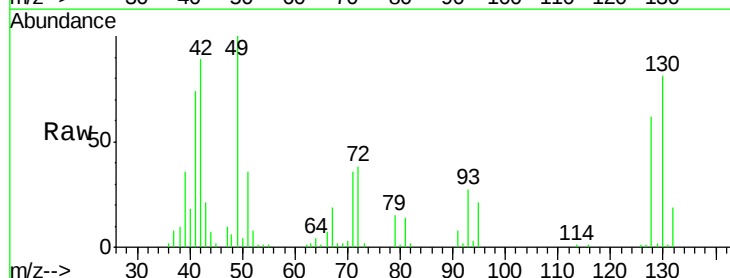
Tgt Ion: 49 Resp: 121108

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

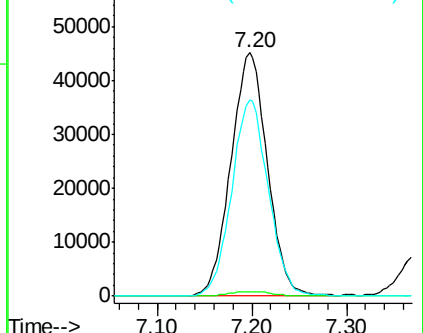
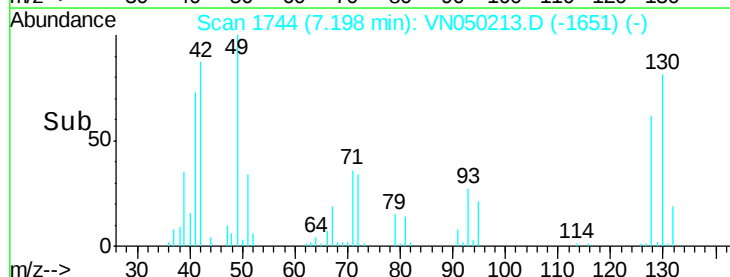
130 80.9 66.3 99.5

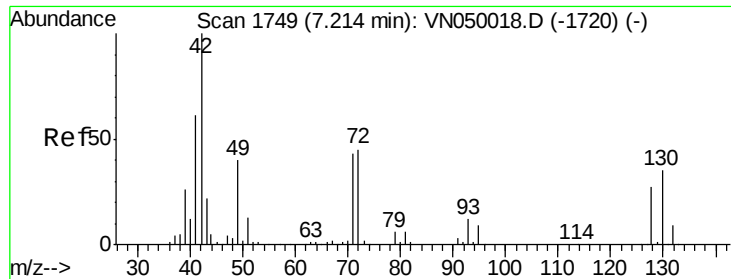


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

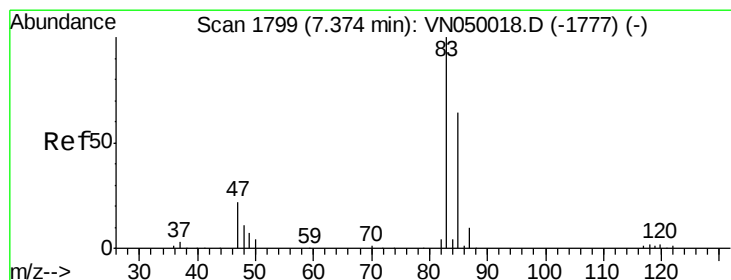
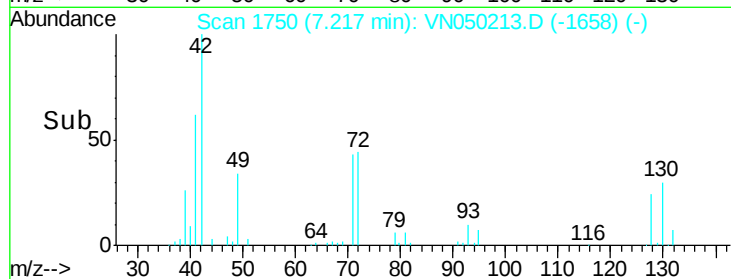
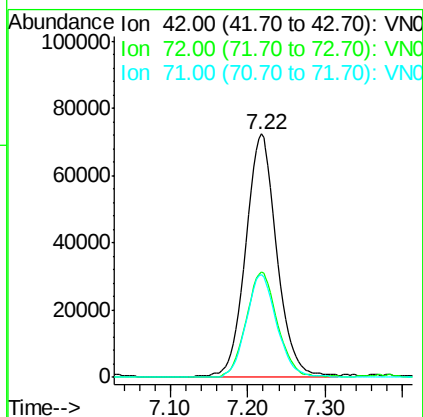
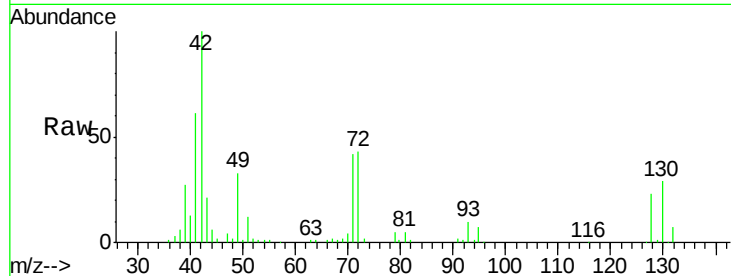




#29
Tetrahydrofuran
Concen: 105.11 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

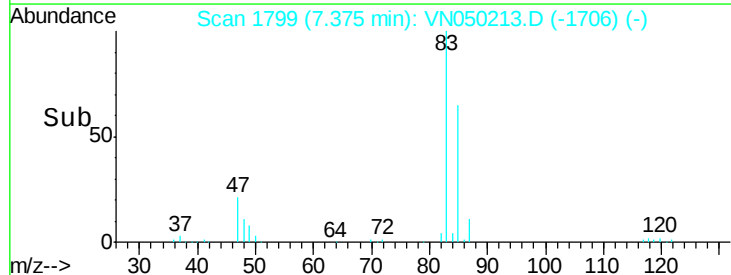
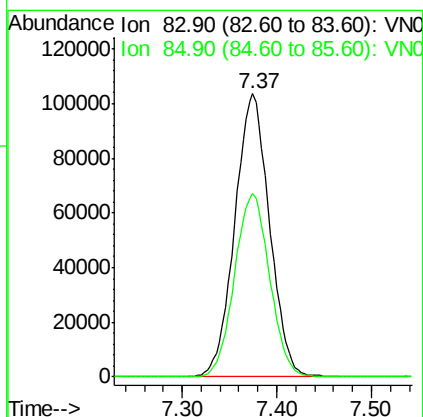
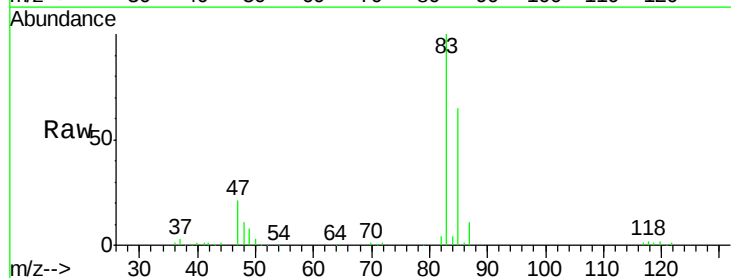
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

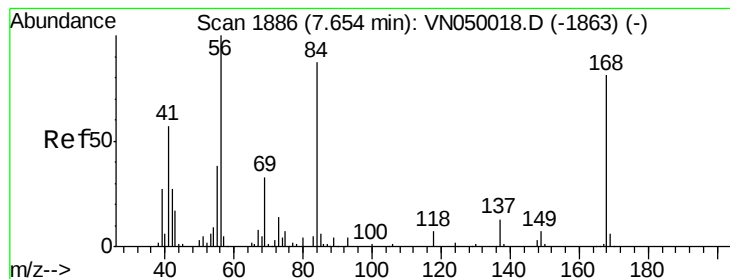
Tot Ion: 42 Resp: 204420
Ion Ratio Lower Upper
42 100
72 43.2 35.9 53.9
71 41.2 33.7 50.5



#30
Chloroform
Concen: 19.76 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 83 Resp: 264239
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7





#31

Cyclohexane

Concen: 17.90 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

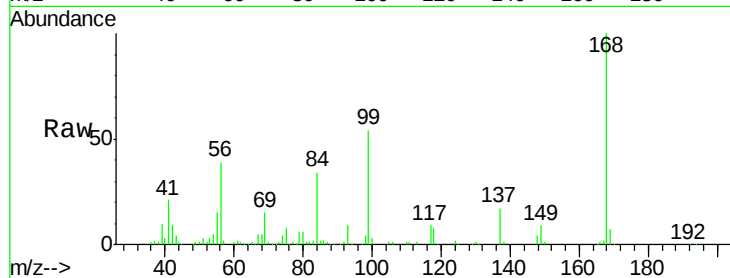
Tot Ion: 56 Resp: 195011

Ion Ratio Lower Upper

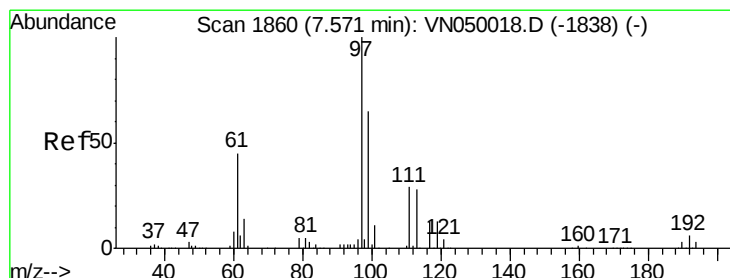
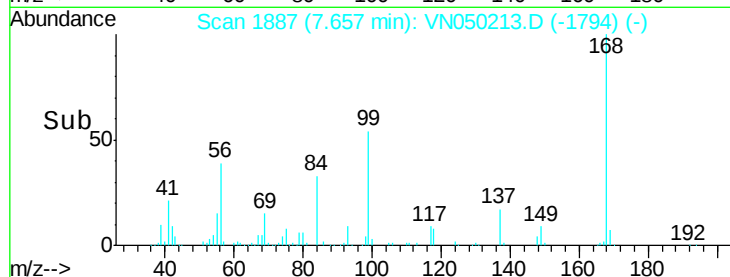
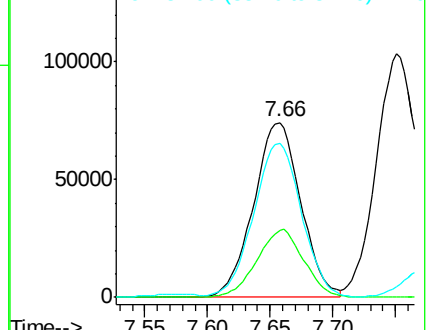
56 100

69 38.2 26.2 39.4

84 86.4 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: 18.95 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

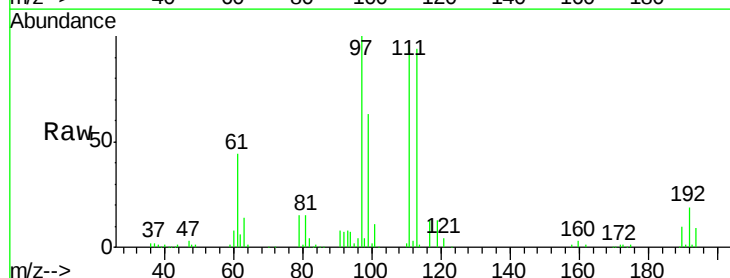
Tgt Ion: 97 Resp: 216743

Ion Ratio Lower Upper

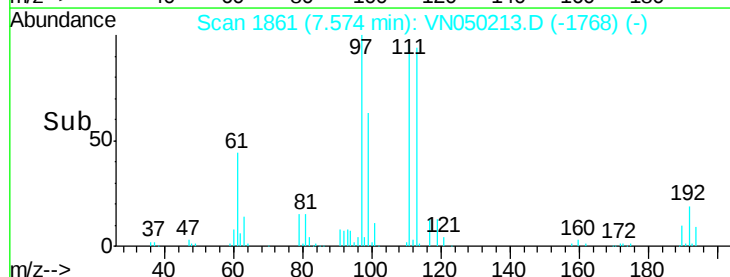
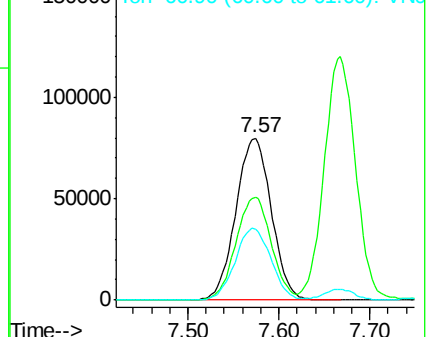
97 100

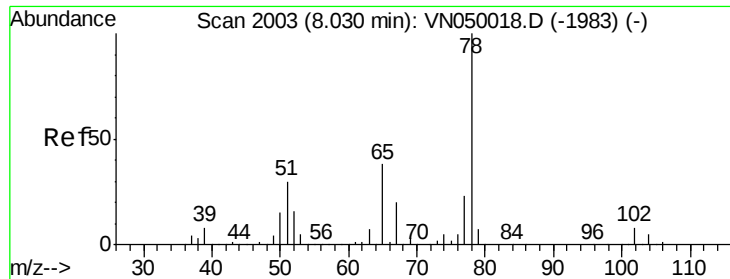
99 63.2 51.4 77.0

61 44.5 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: 51.95 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

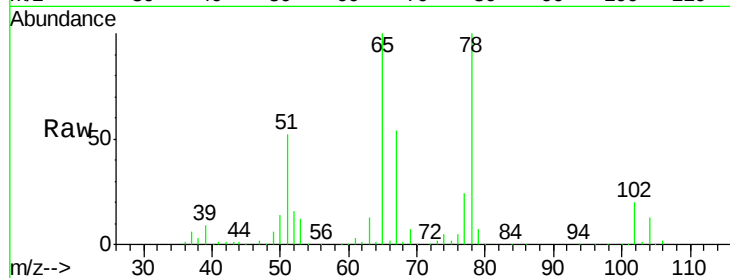
VN0731WBSD02

Tot Ion: 65 Resp: 409914

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

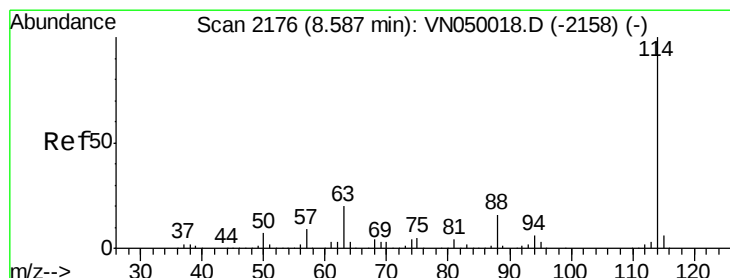
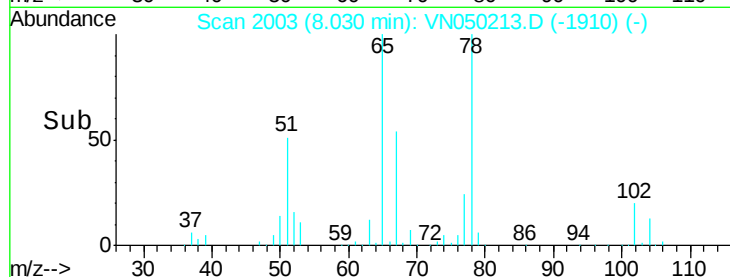
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

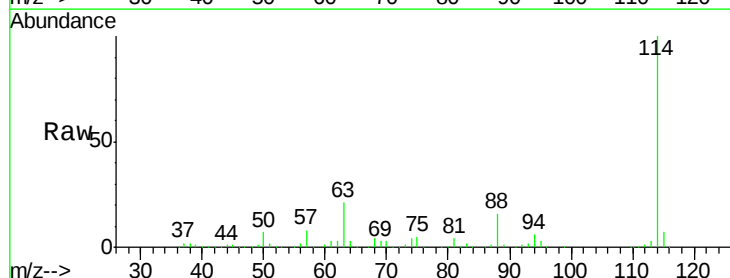
Tgt Ion: 114 Resp: 870247

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

500000

400000

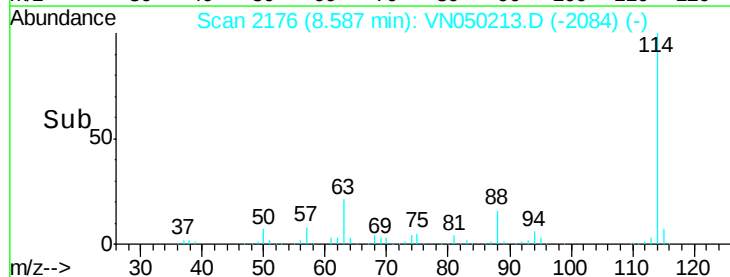
300000

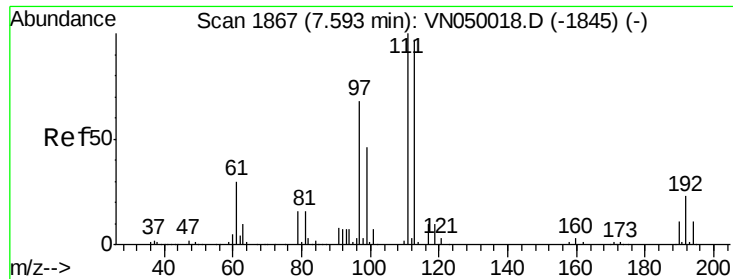
200000

100000

0

Time-->

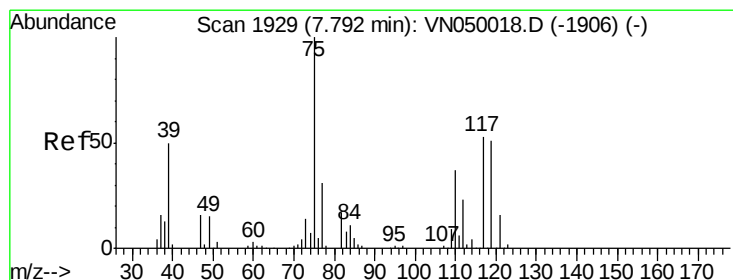
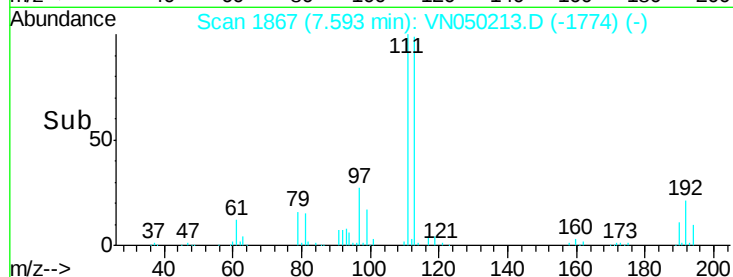
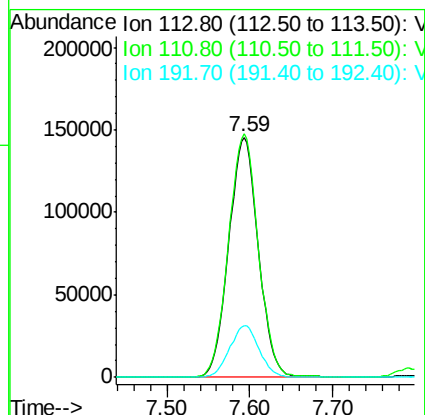
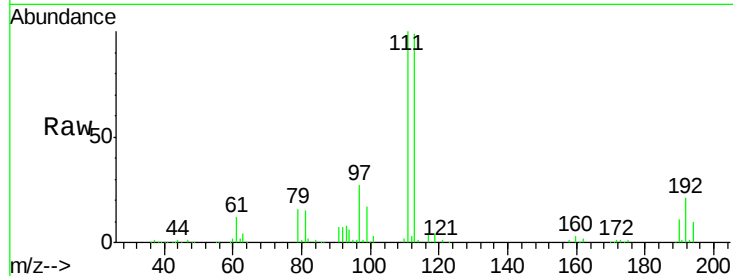




#35
 Dibromofluoromethane
 Concen: 50.99 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

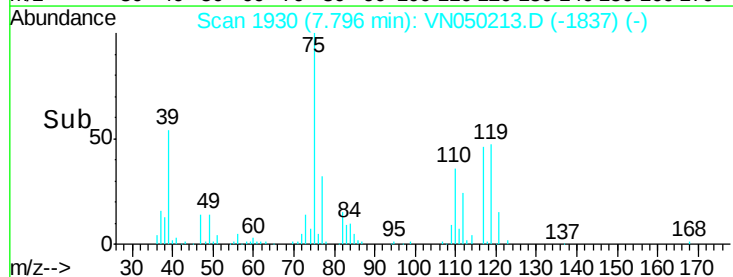
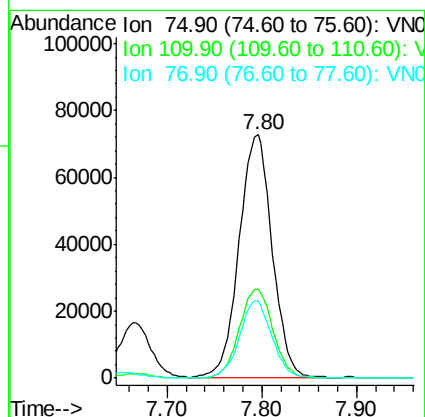
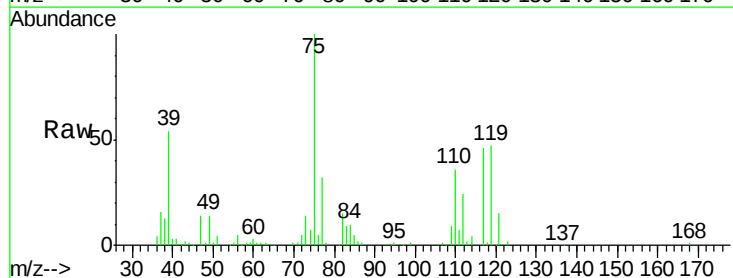
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

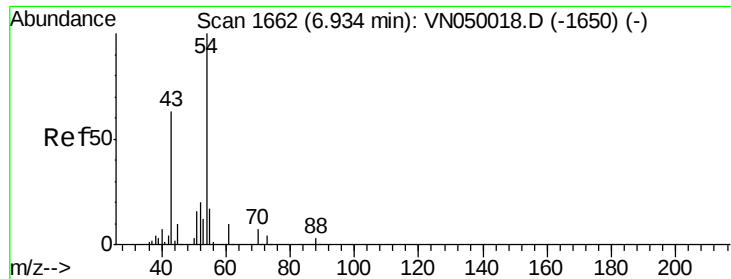
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.7	121.1
192	21.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 17.99 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.4	55.2
77	31.3	25.3	37.9

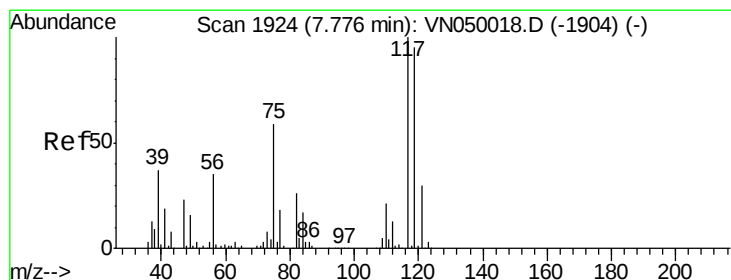
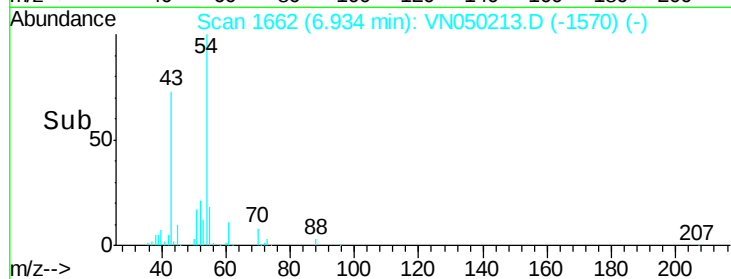
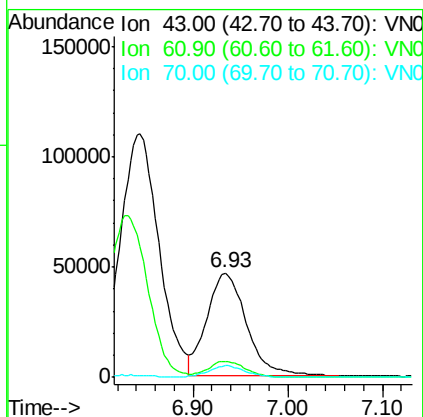
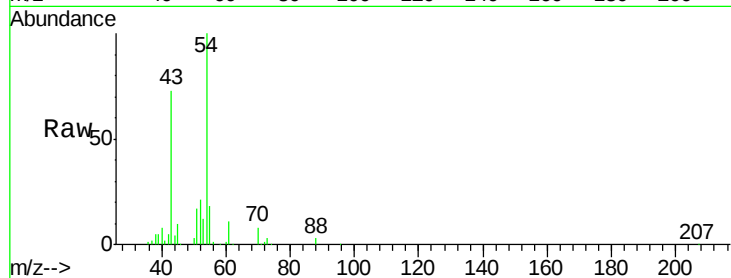




#37
Ethyl Acetate
Concen: 20.06 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

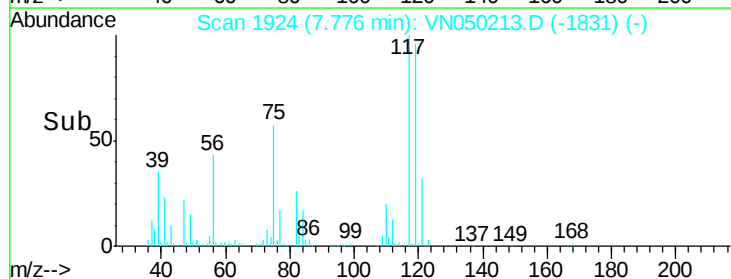
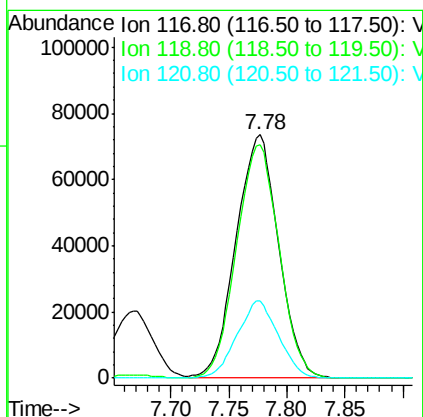
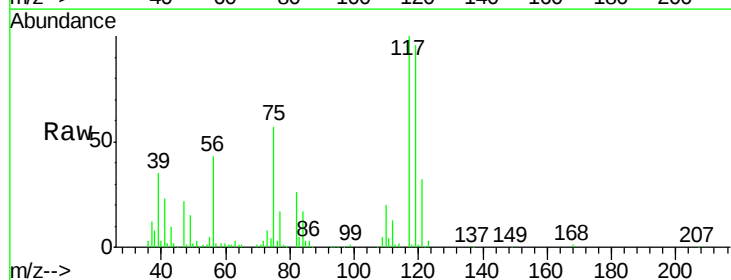
Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD02

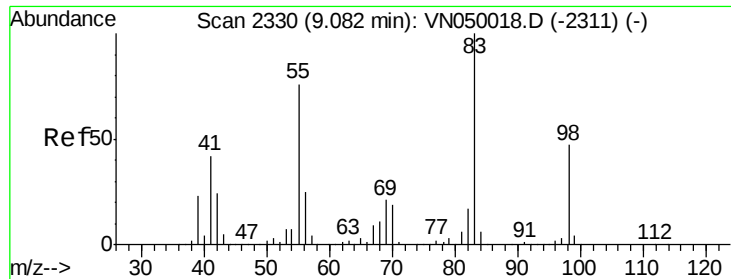
Tot Ion: 43 Resp: 137153
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.09 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 117 Resp: 188176
Ion Ratio Lower Upper
117 100
119 96.0 77.4 116.0
121 31.7 23.9 35.9

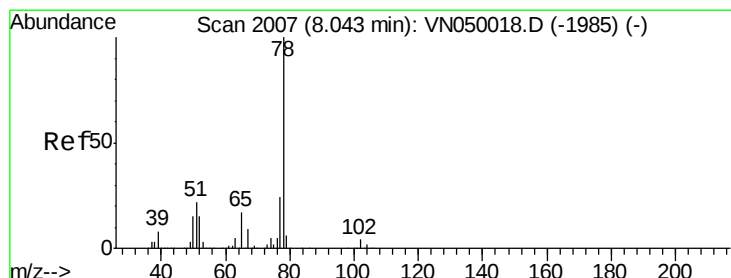
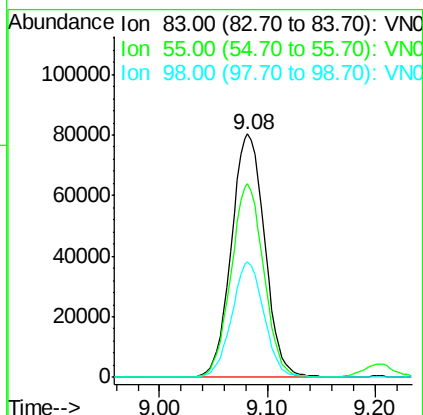
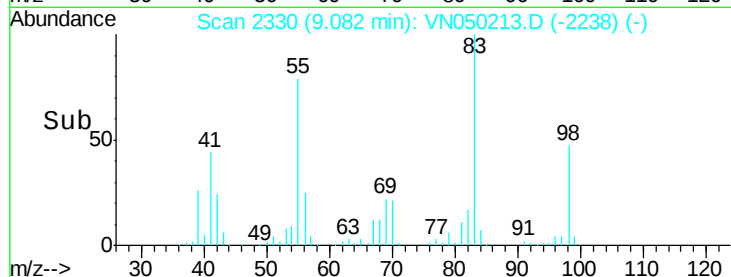
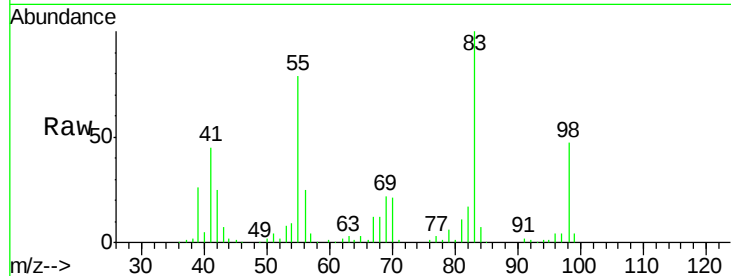




#39
Methvlcvclohexane
Concen: 17.15 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

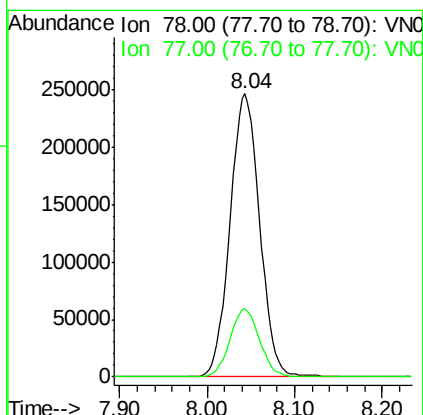
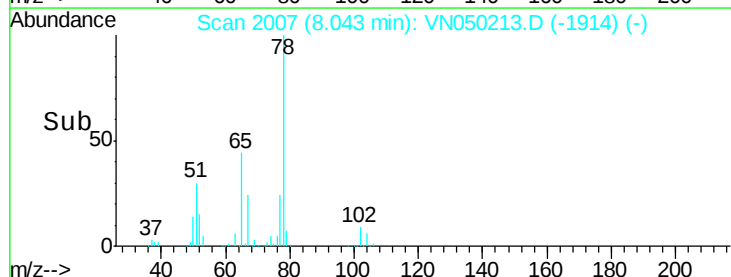
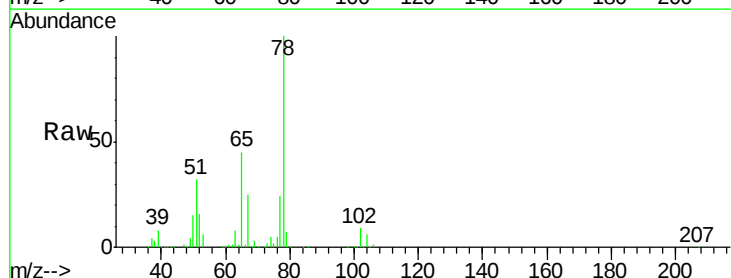
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

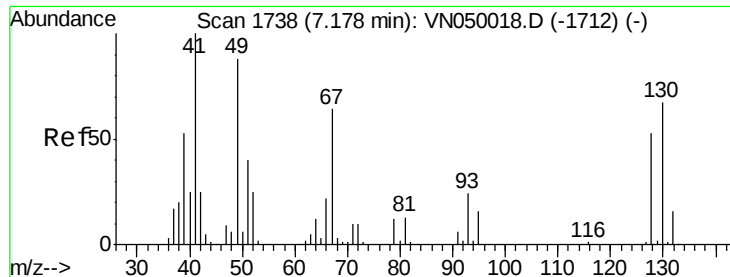
Tot Ion: 83 Resp: 172965
Ion Ratio Lower Upper
83 100
55 79.3 61.8 92.8
98 47.4 36.5 54.7



#40
Benzene
Concen: 19.43 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 78 Resp: 579660
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

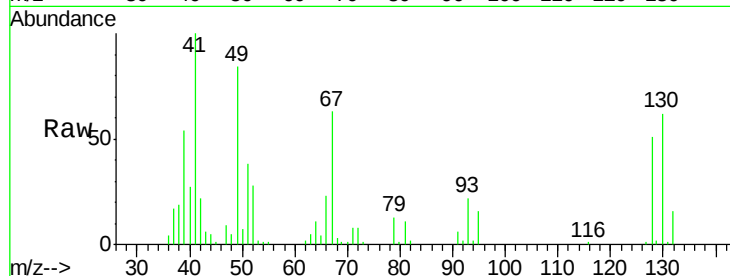




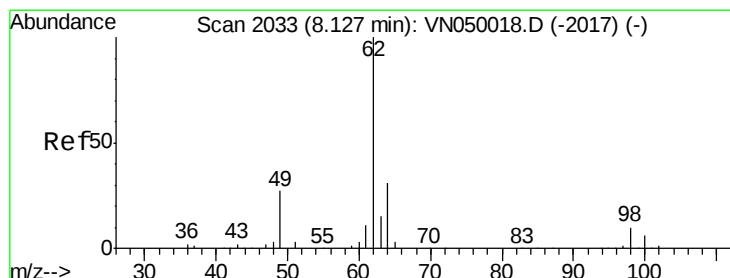
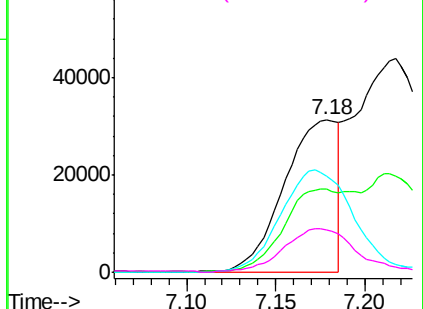
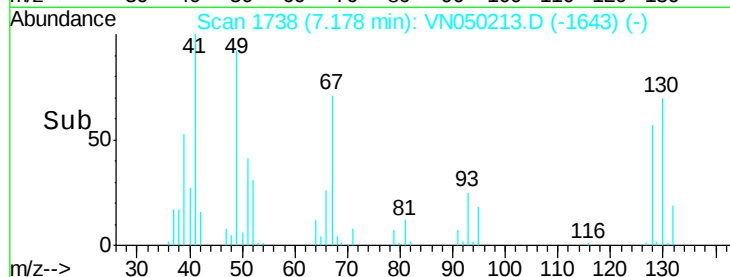
#41
Methacrylonitrile
Concen: 20.17 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

Tot Ion: 41 Resp: 65617
Ion Ratio Lower Upper
41 100
39 54.4 55.8 83.6#
67 92.8 84.3 126.5
52 38.6 34.2 51.2

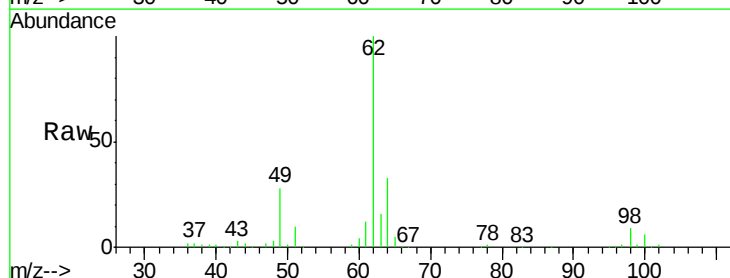


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

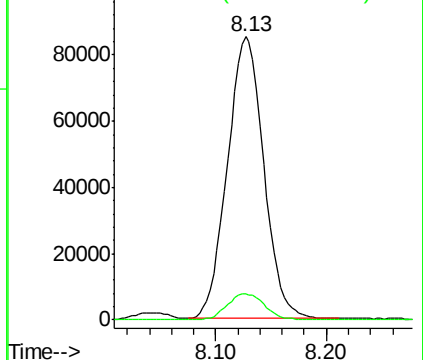
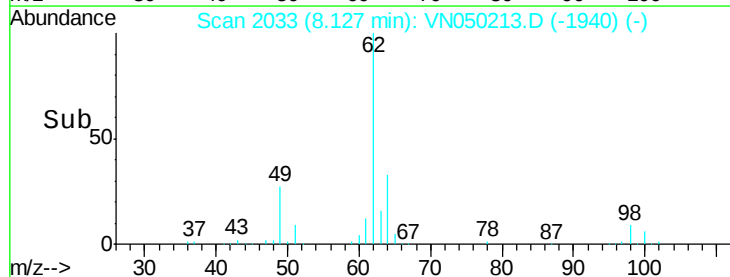


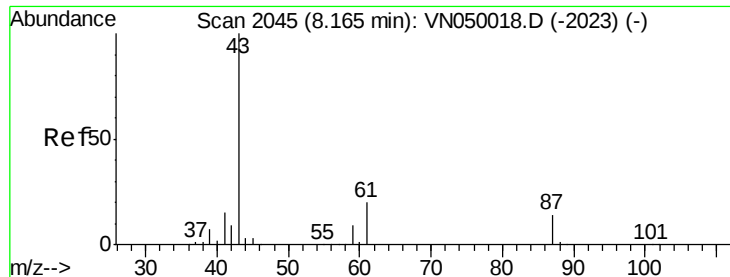
#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 62 Resp: 194464
Ion Ratio Lower Upper
62 100
98 9.6 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: 23.13 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

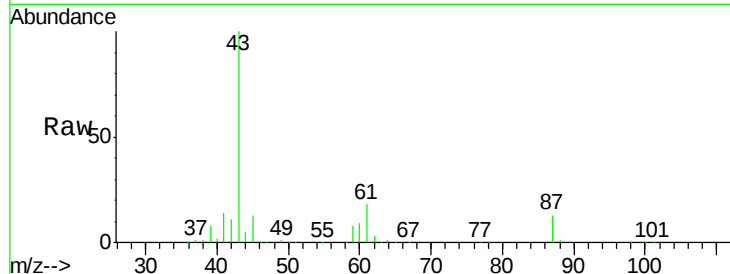
Tot Ion: 43 Resp: 305807

Ion Ratio Lower Upper

43 100

61 15.6 15.8 23.6#

87 10.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

8.17

150000

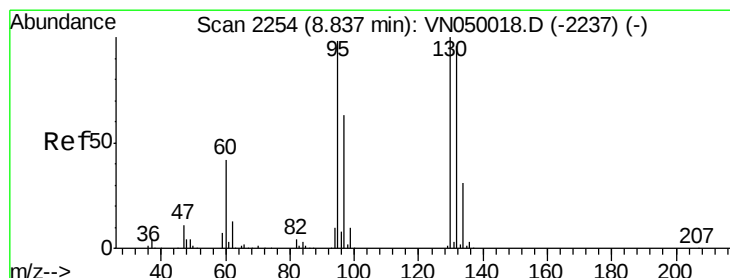
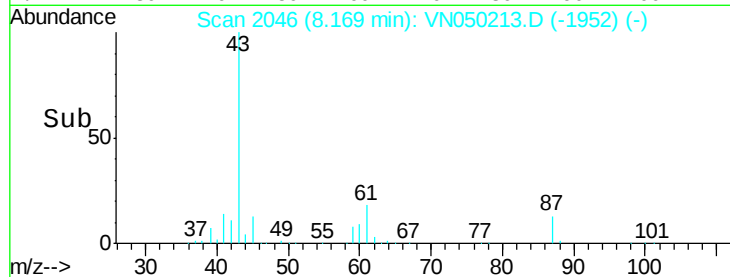
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 18.49 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050213.D

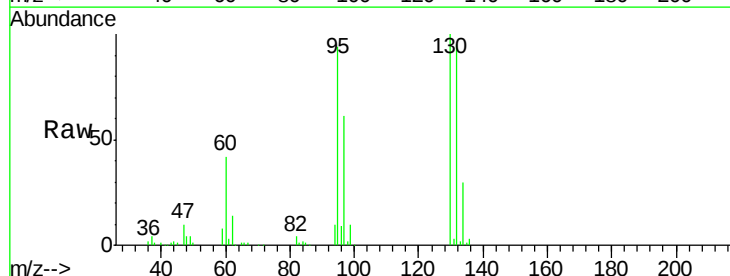
Acq: 31 Jul 2018 14:27

Tgt Ion:130 Resp: 148248

Ion Ratio Lower Upper

130 100

95 94.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

8.84

80000

60000

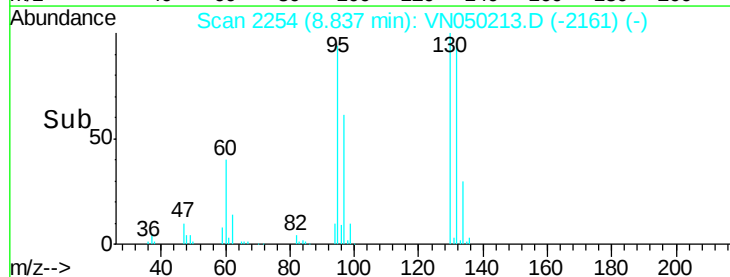
40000

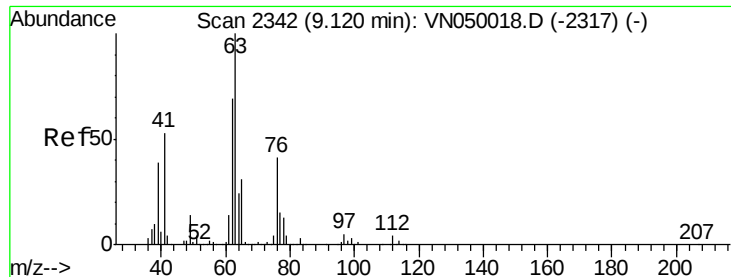
20000

0

8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 19.95 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

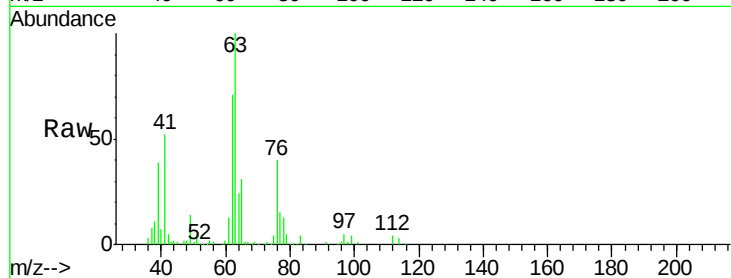
VN0731WBSD02

Tot Ion: 63 Resp: 157644

Ion Ratio Lower Upper

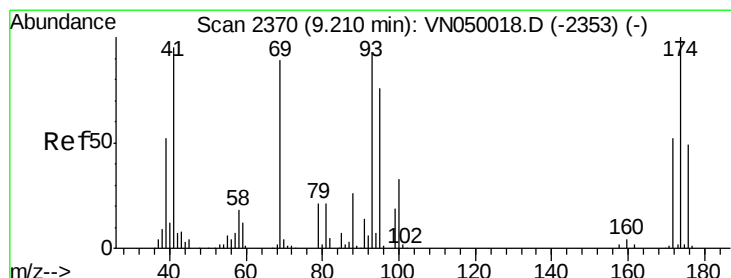
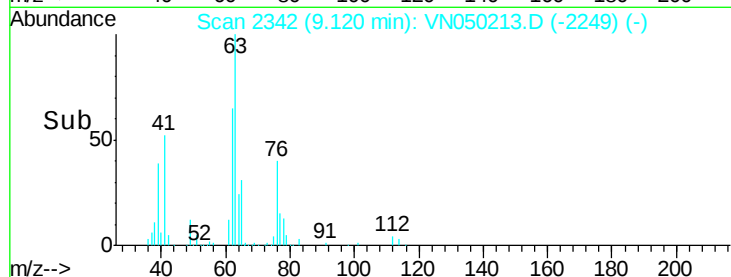
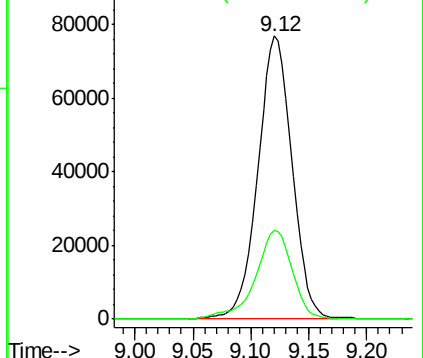
63 100

65 31.4 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.09 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

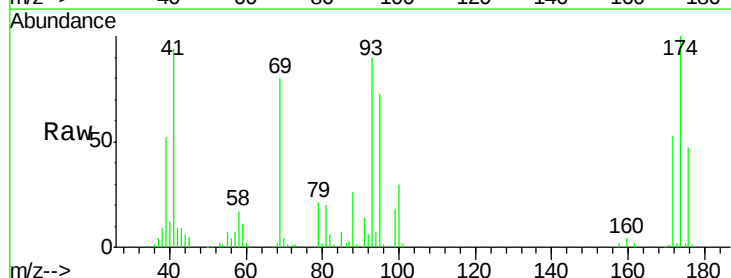
Tgt Ion: 93 Resp: 98586

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

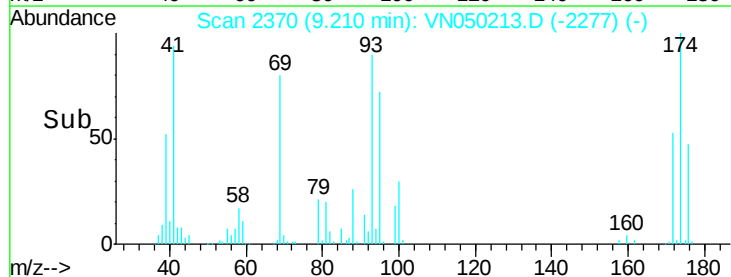
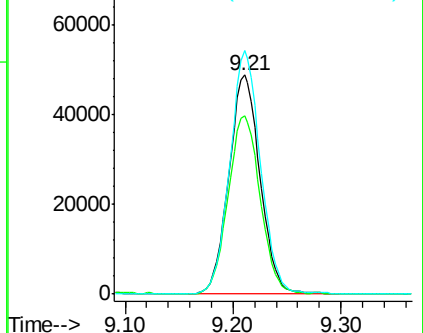
174 109.1 87.1 130.7

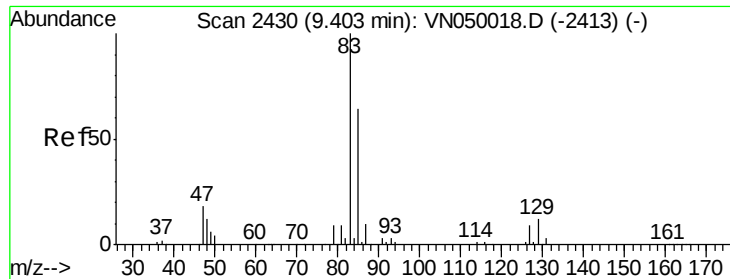


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 19.94 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

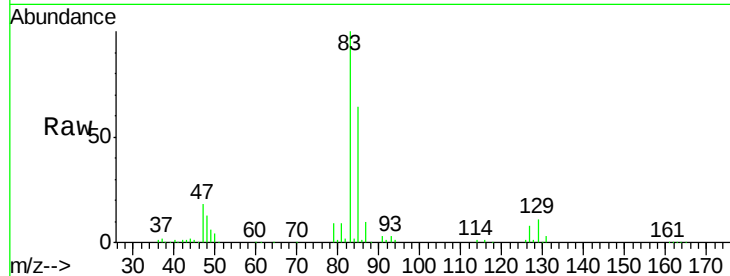
Tot Ion: 83 Resp: 206532

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7

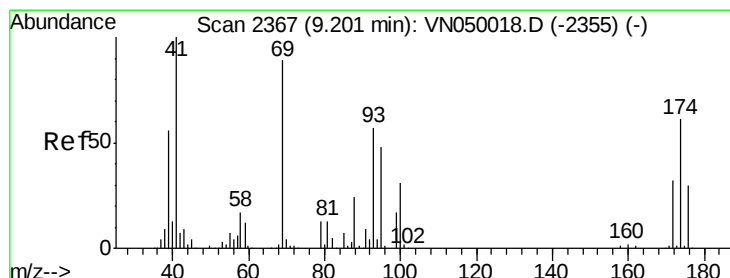
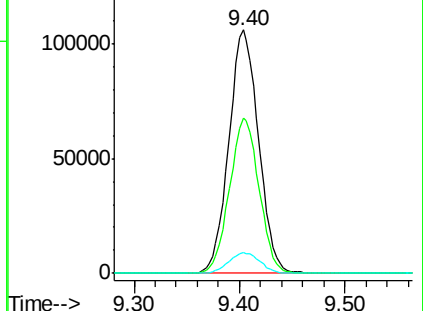
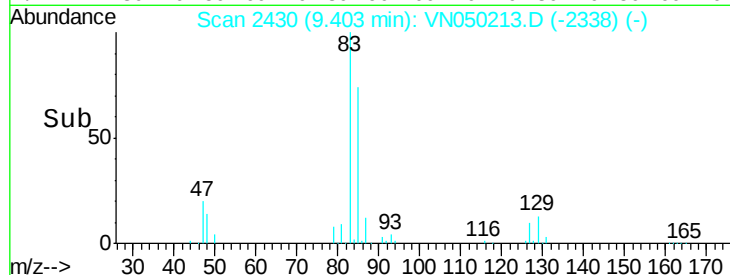
127 8.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.56 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

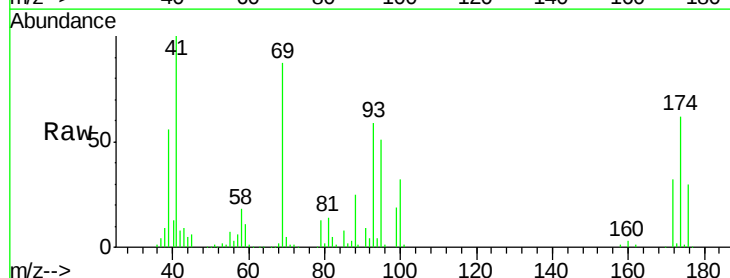
Tgt Ion: 41 Resp: 121014

Ion Ratio Lower Upper

41 100

69 87.1 70.6 105.8

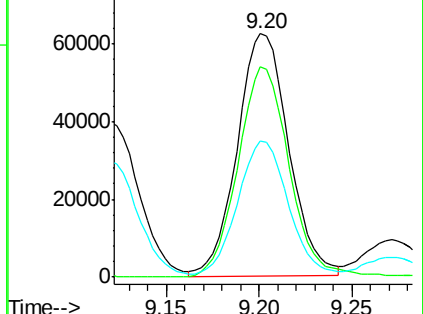
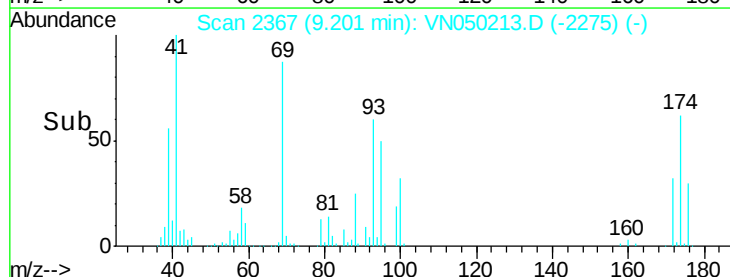
39 55.2 43.9 65.9

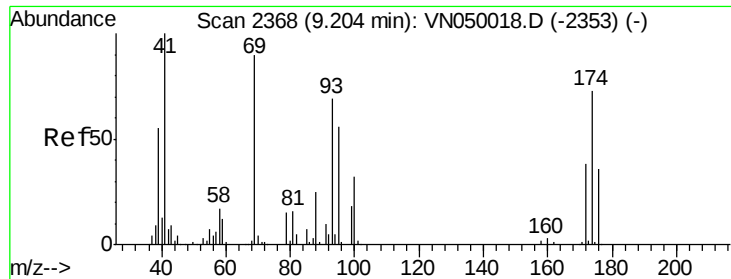


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

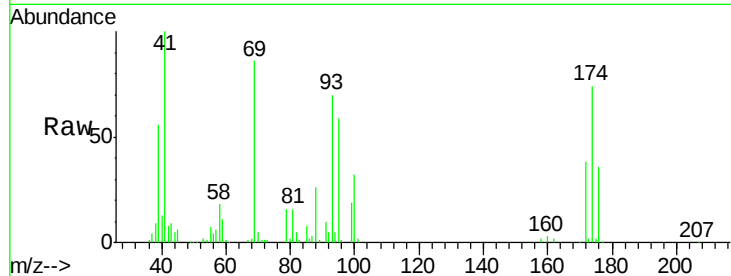




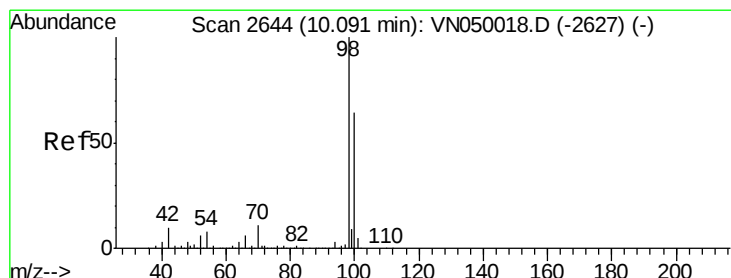
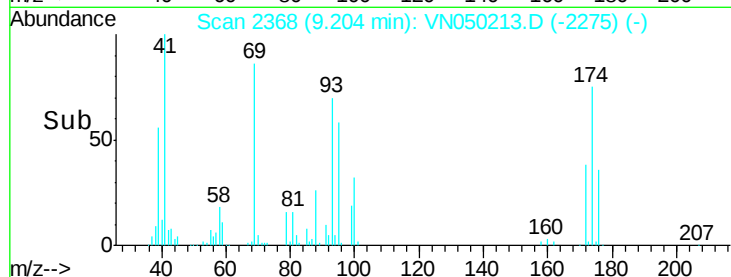
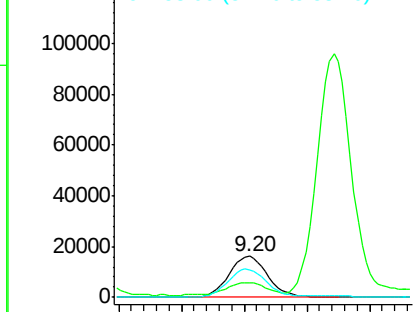
#49
 1,4-Dioxane
 Concen: 434.55 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

Tot Ion: 88 Resp: 34815
 Ion Ratio Lower Upper
 88 100
 43 32.9 26.9 40.3
 58 69.4 57.3 85.9

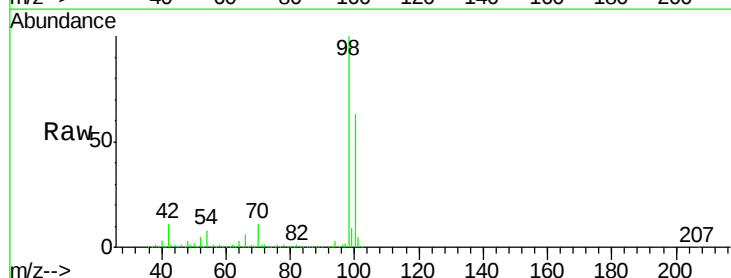


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

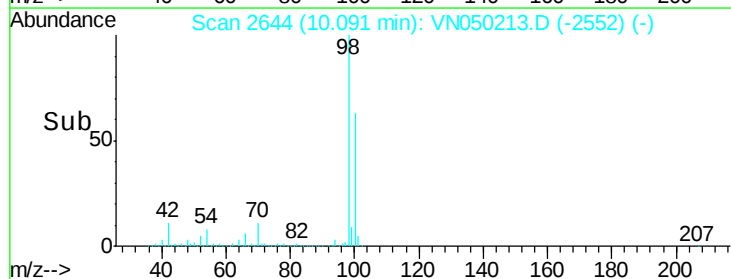
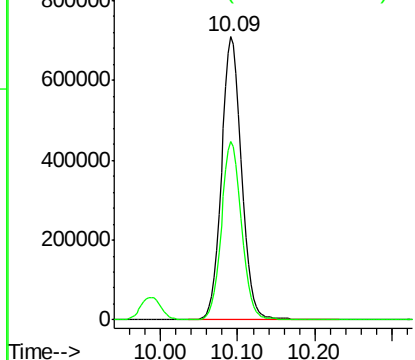


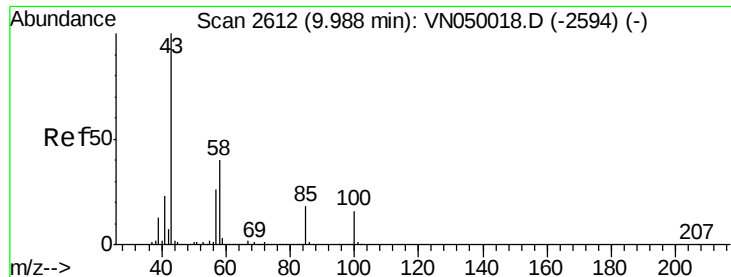
#50
 Toluene-d8
 Concen: 48.97 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion: 98 Resp: 1279124
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.7 76.1



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

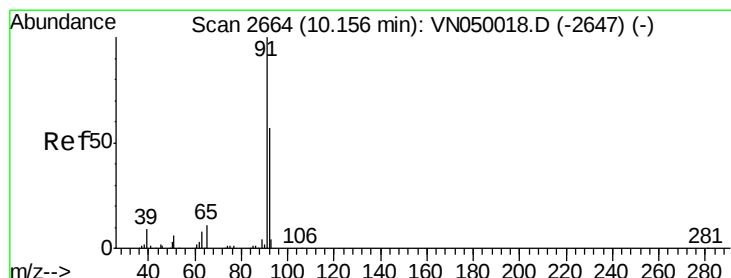
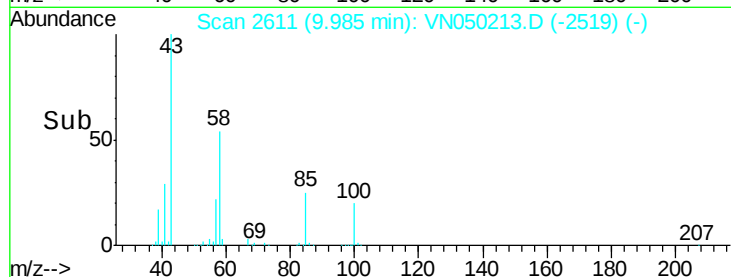
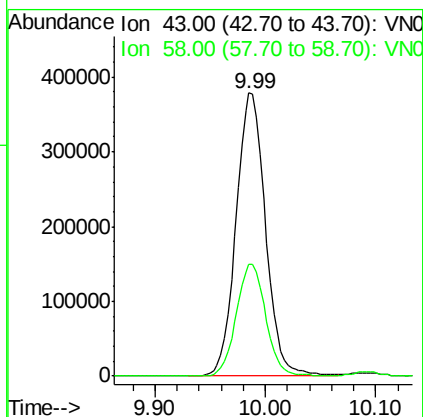
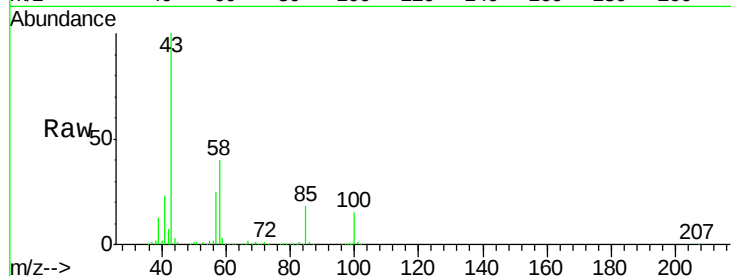




#51
4-Methyl-2-Pentanone
Concen: 103.92 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

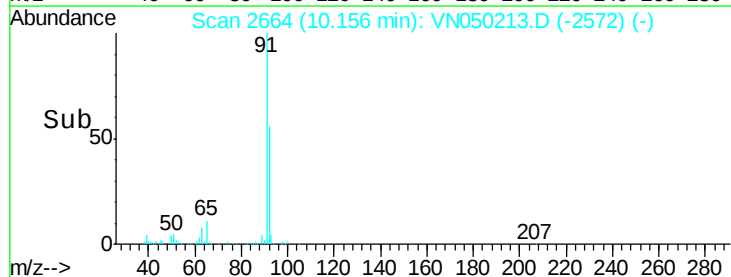
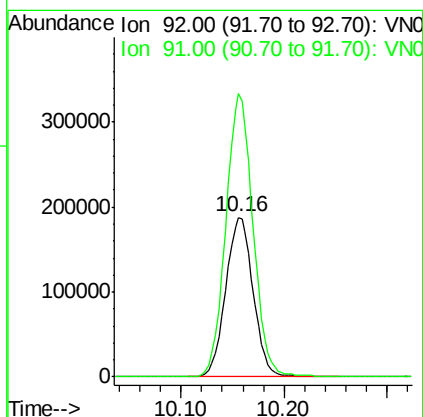
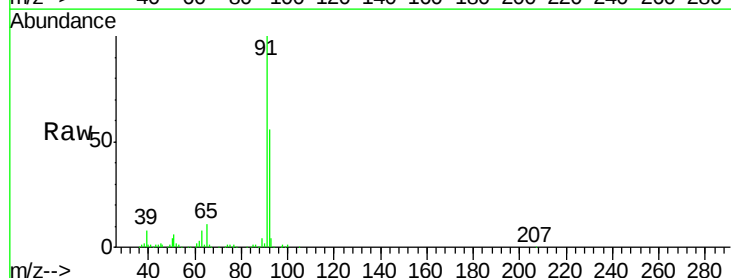
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

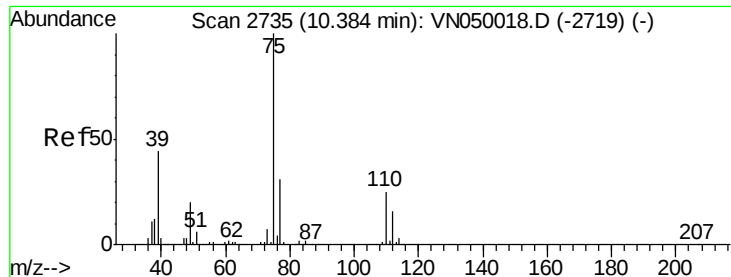
Tot Ion: 43 Resp: 698352
Ion Ratio Lower Upper
43 100
58 39.8 31.9 47.9



#52
Toluene
Concen: 19.75 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 92 Resp: 347793
Ion Ratio Lower Upper
92 100
91 175.8 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.10 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

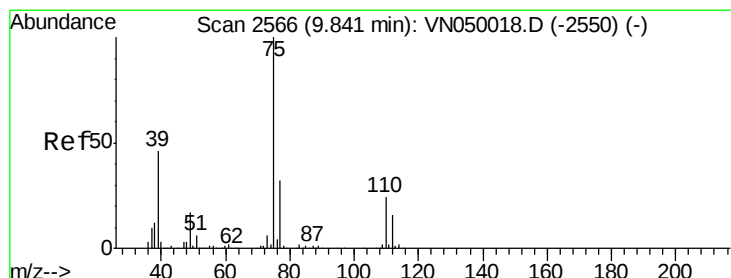
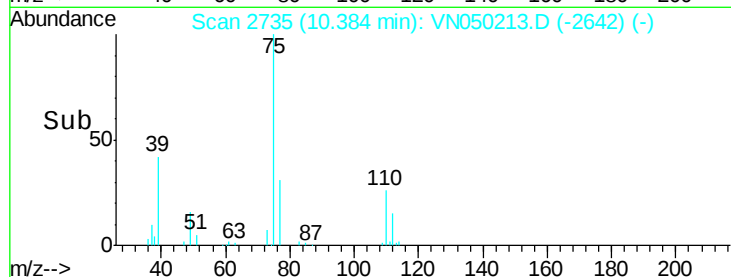
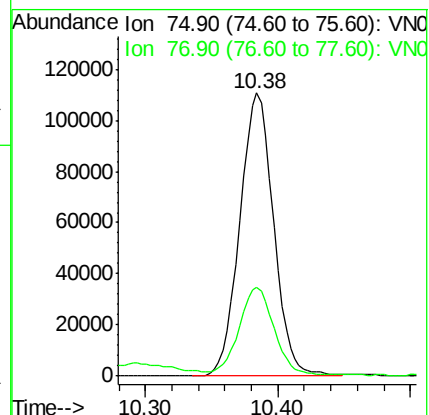
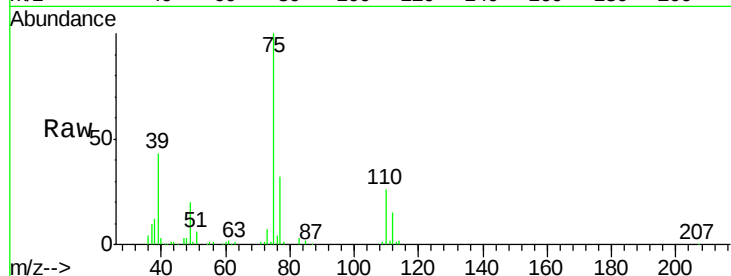
VN0731WBSD02

Tot Ion: 75 Resp: 196389

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

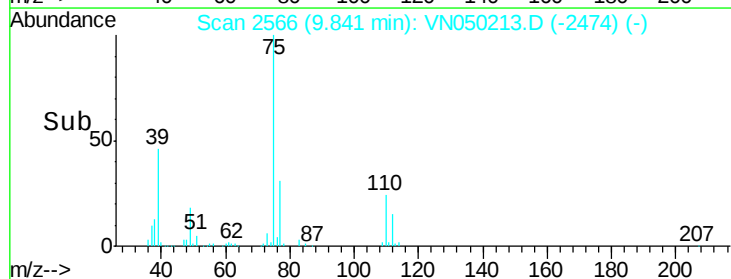
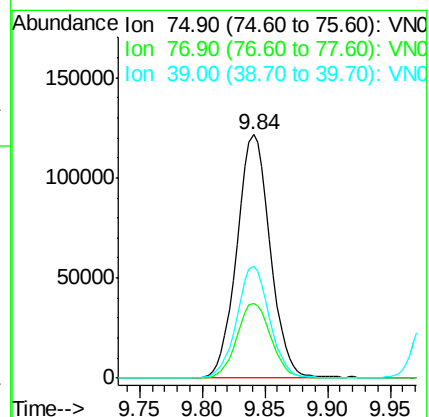
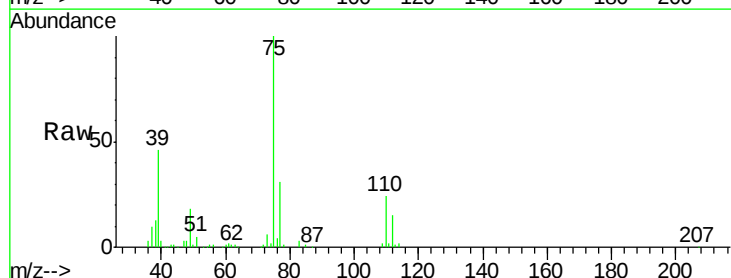
Tgt Ion: 75 Resp: 224950

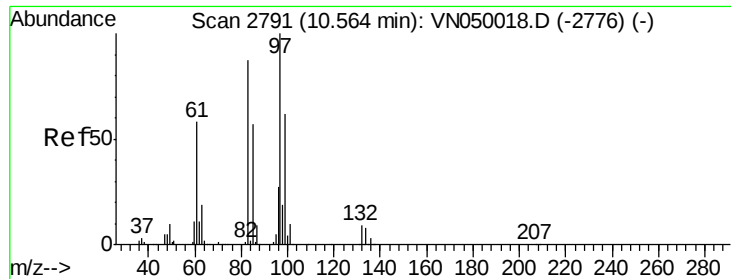
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 46.1 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.40 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 97 Resp: 142500

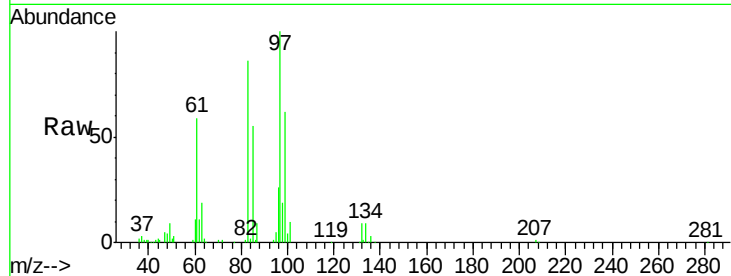
Ion Ratio Lower Upper

97 100

83 86.5 69.2 103.8

85 55.3 44.0 66.0

99 61.8 49.9 74.9

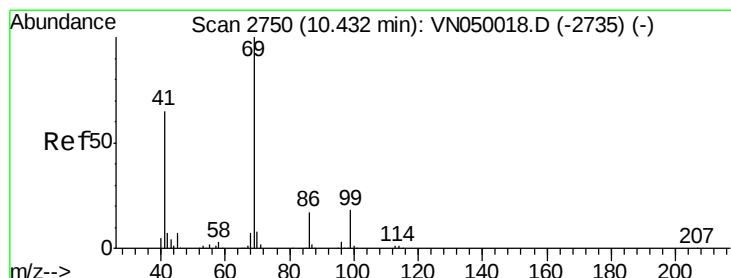
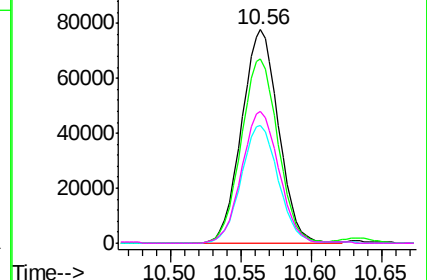
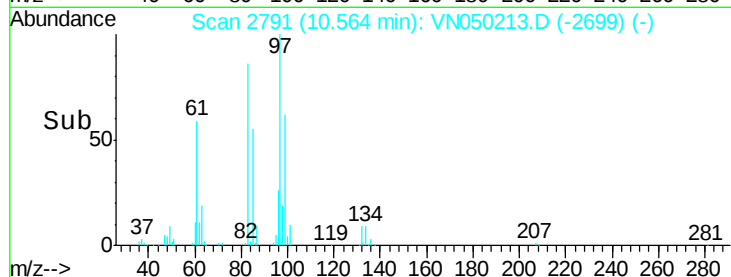


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.23 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

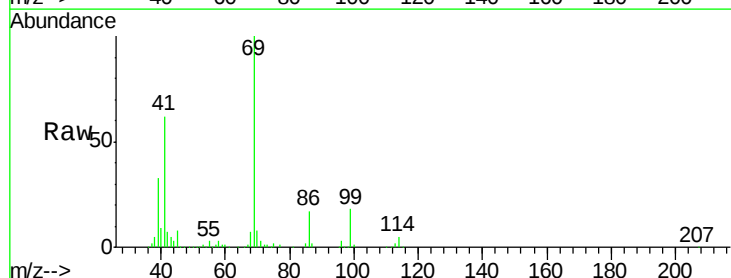
Tgt Ion: 69 Resp: 169670

Ion Ratio Lower Upper

69 100

41 62.9 51.0 76.4

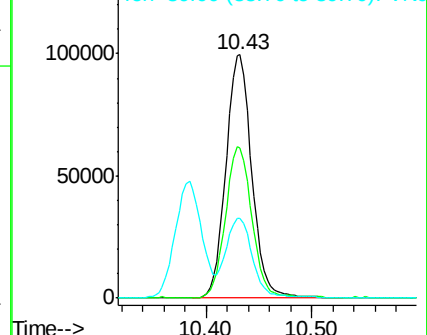
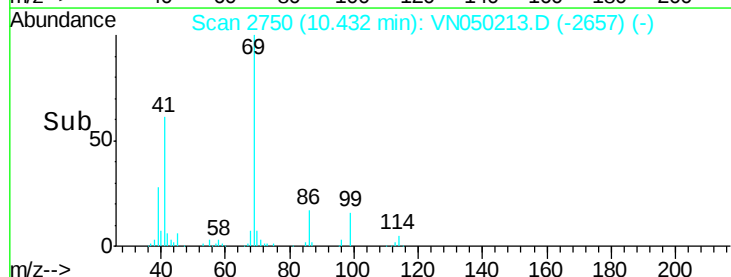
39 32.8 26.6 40.0

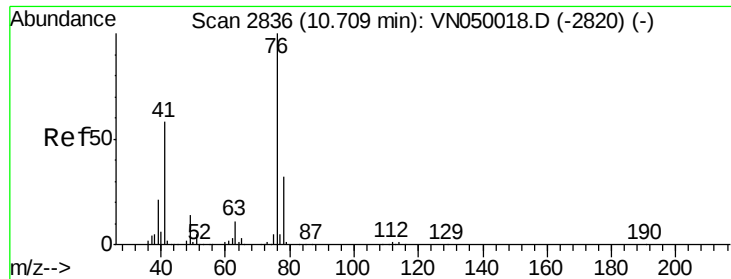


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

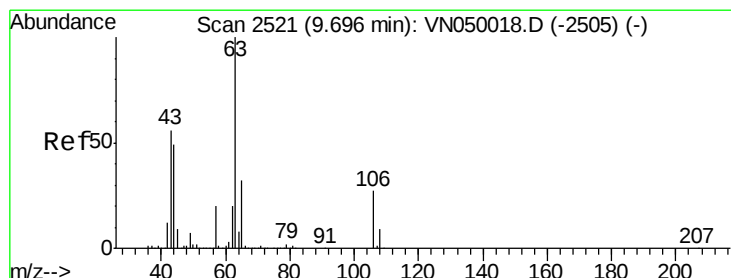
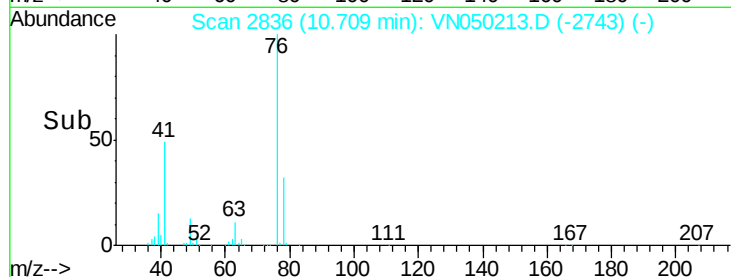
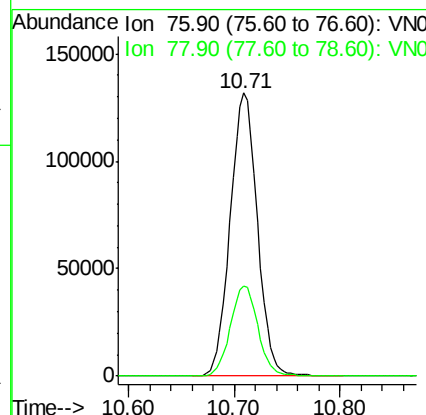
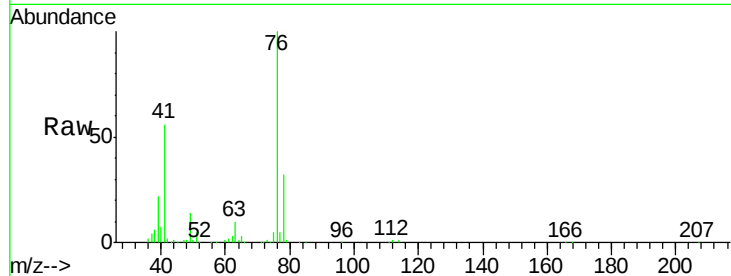




#57
 1,3-Dichloropropane
 Concen: 20.62 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

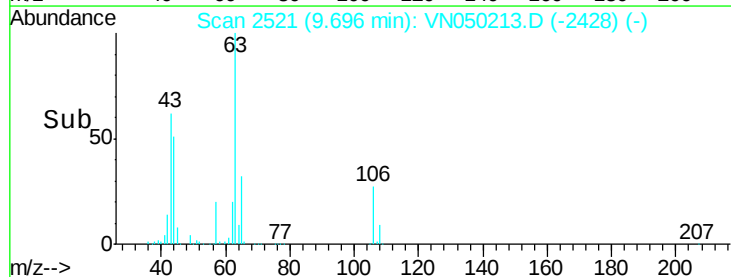
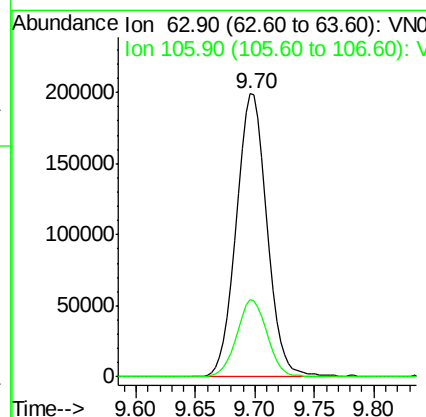
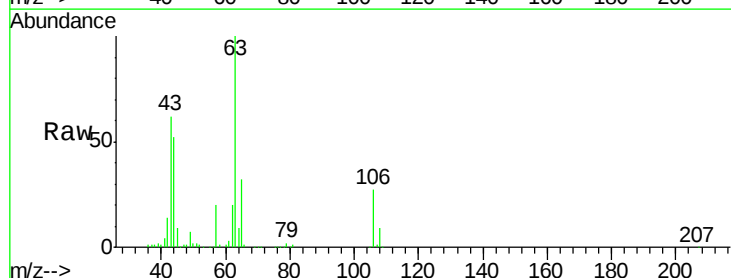
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

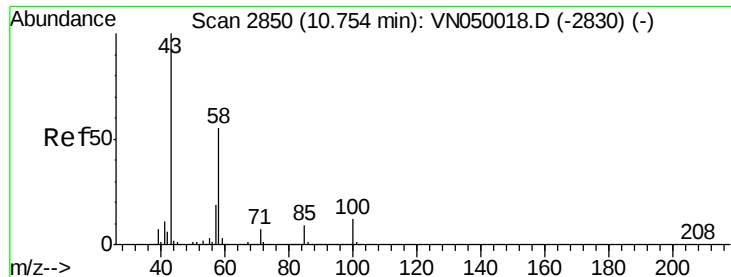
Tot Ion: 76 Resp: 234543
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.66 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion: 63 Resp: 357637
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

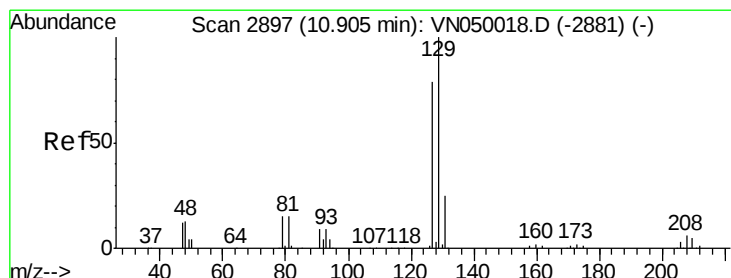
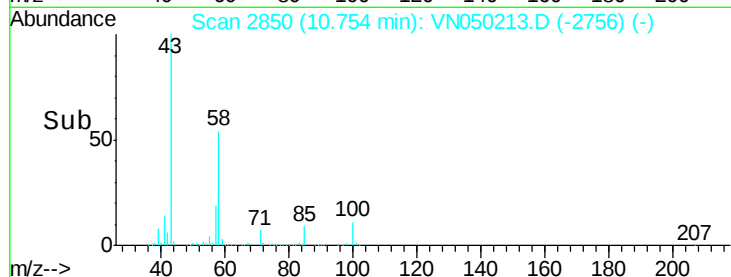
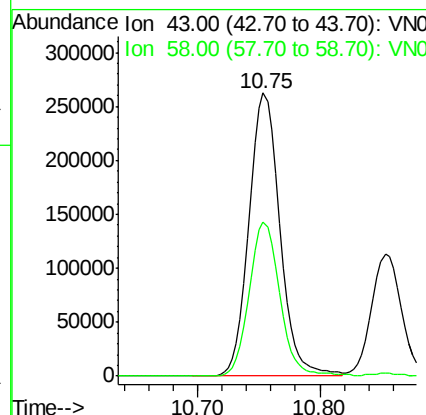
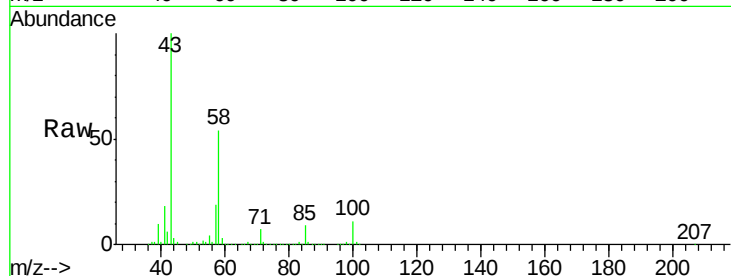




#59
2-Hexanone
Concen: 95.48 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

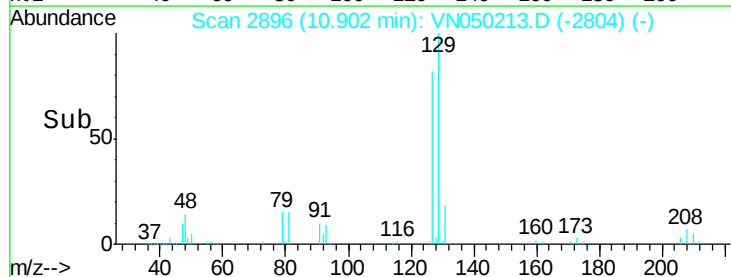
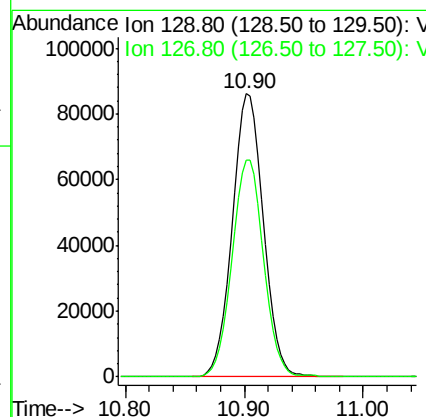
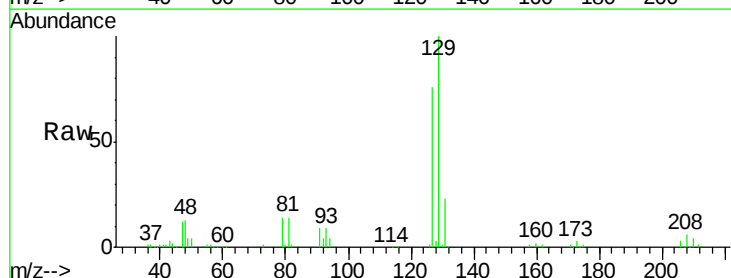
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

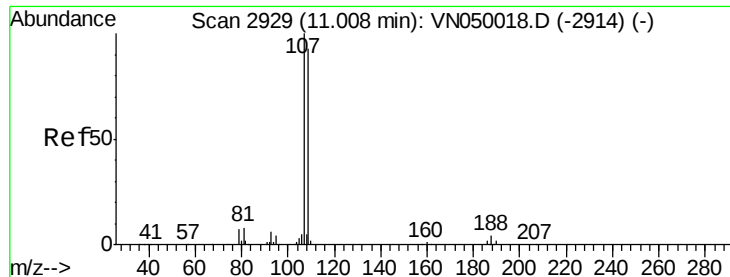
Tot Ion: 43 Resp: 455361
Ion Ratio Lower Upper
43 100
58 54.3 27.6 82.7



#60
Dibromochloromethane
Concen: 20.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion: 129 Resp: 155933
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.86 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

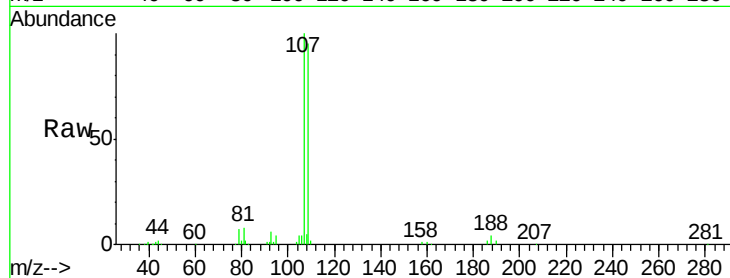
VN0731WBSD02

Tot Ion: 107 Resp: 137627

Ion Ratio Lower Upper

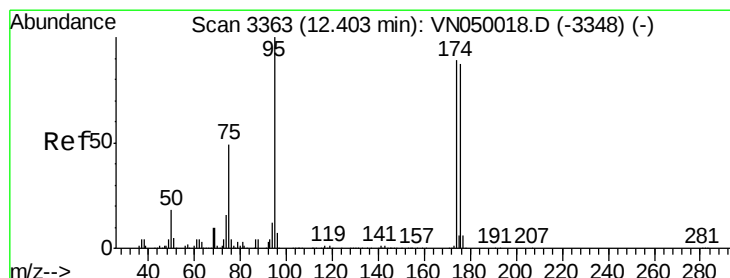
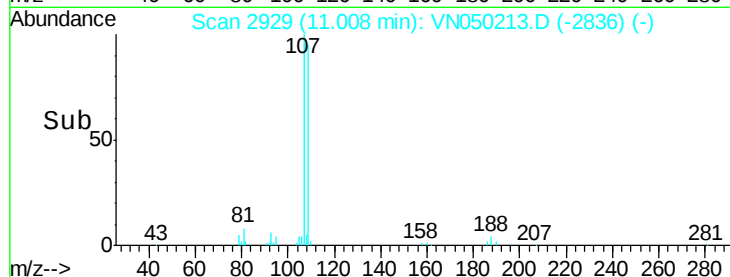
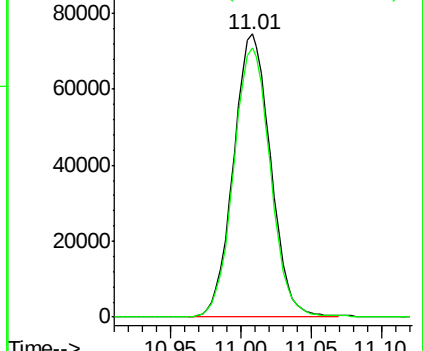
107 100

109 94.5 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

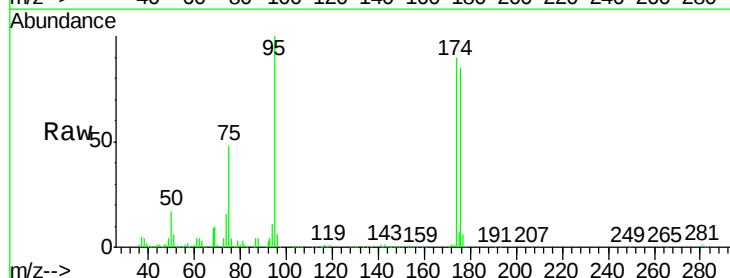
Tgt Ion: 95 Resp: 417007

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.2

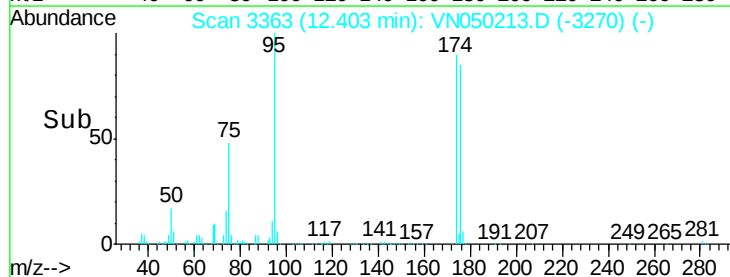
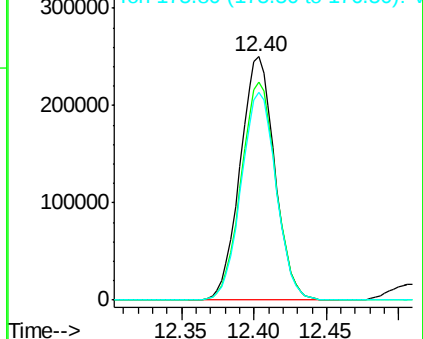
176 86.0 0.0 173.4

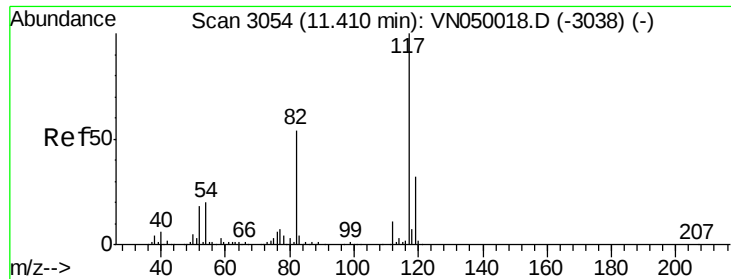


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

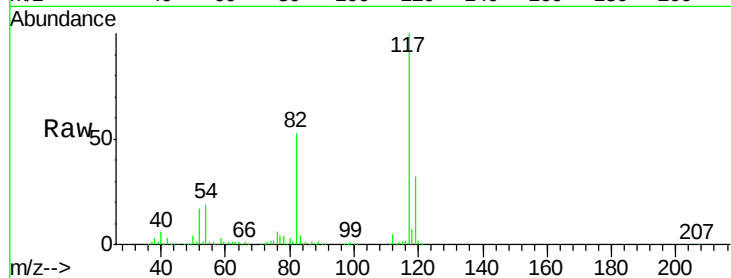




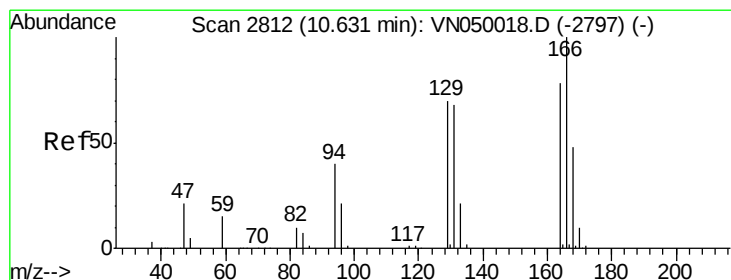
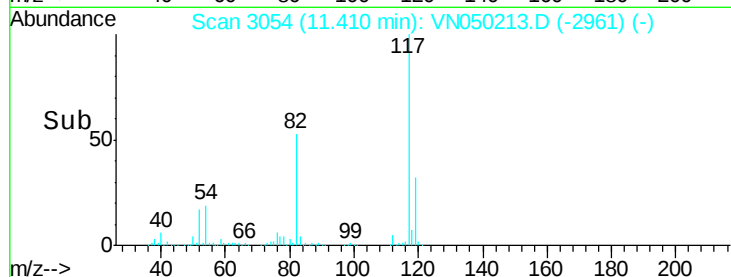
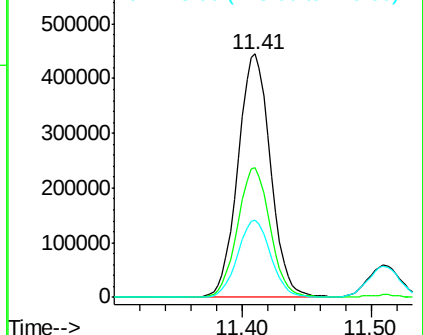
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

Tot Ion:117 Resp: 782416
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 31.9 26.1 39.1

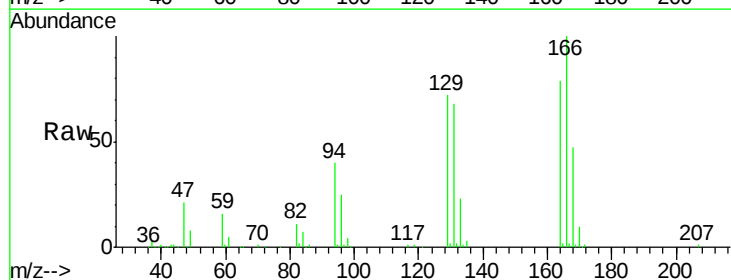


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

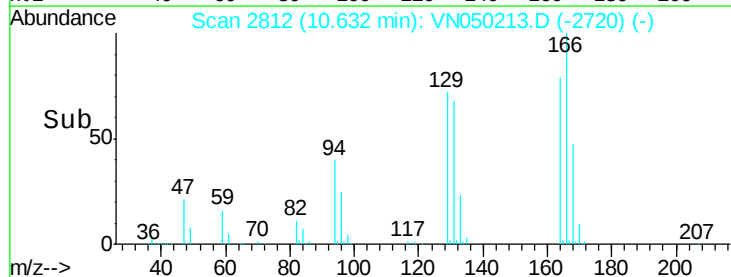
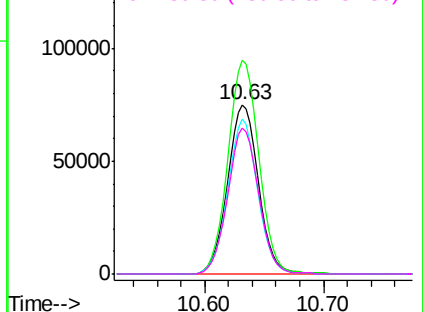


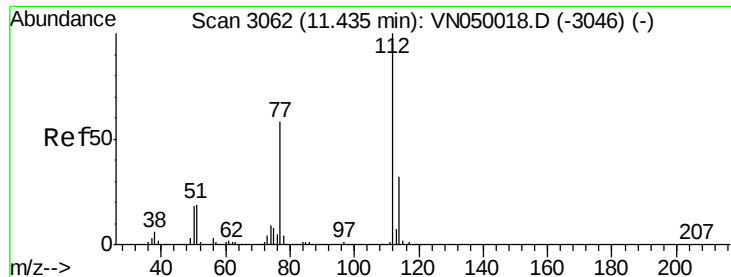
#64
Tetrachloroethene
Concen: 17.90 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion:164 Resp: 134641
Ion Ratio Lower Upper
164 100
166 126.0 102.1 153.1
129 91.3 73.2 109.8
131 86.1 70.6 106.0



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

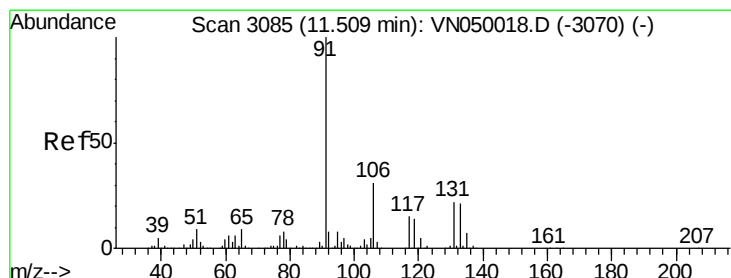
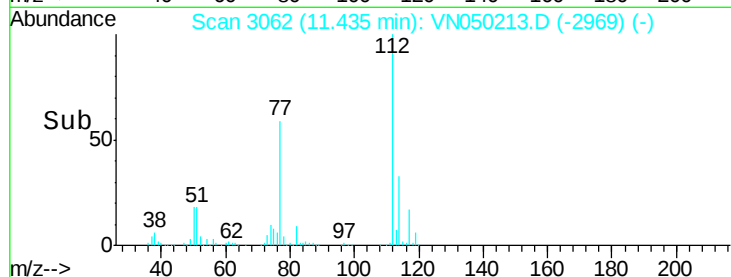
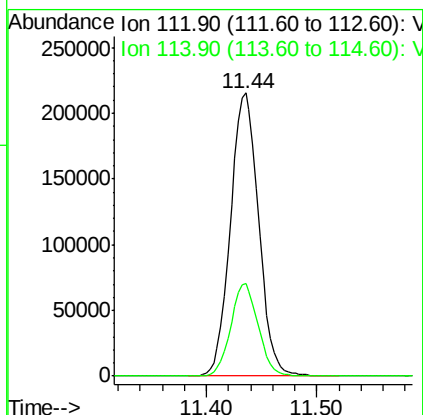
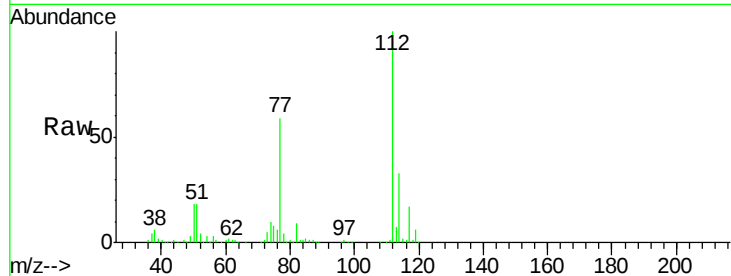




#65
Chlorobenzene
Concen: 19.32 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

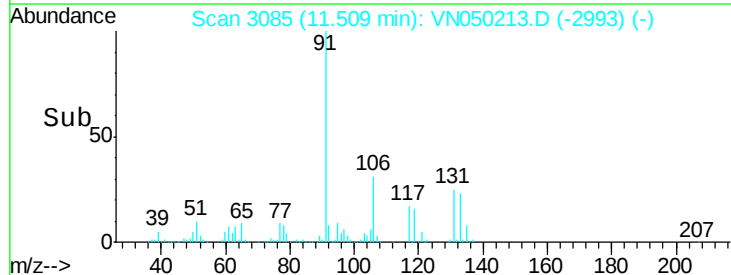
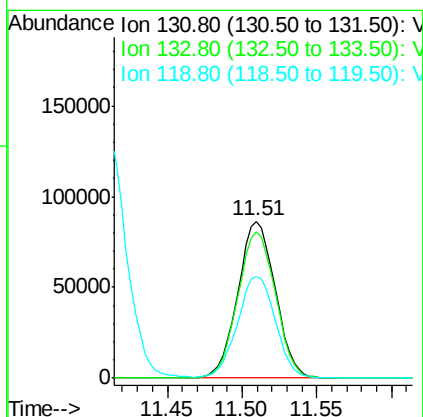
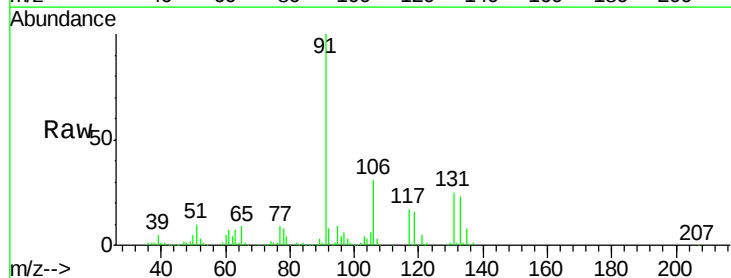
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

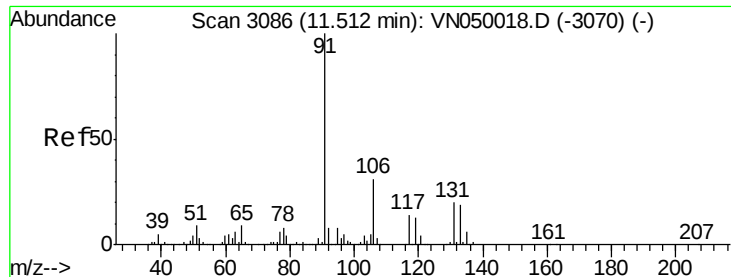
Tot Ion:112 Resp: 381783
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.81 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion:131 Resp: 150428
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 66.0 32.9 98.7





#67

Ethyl Benzene

Concen: 19.01 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

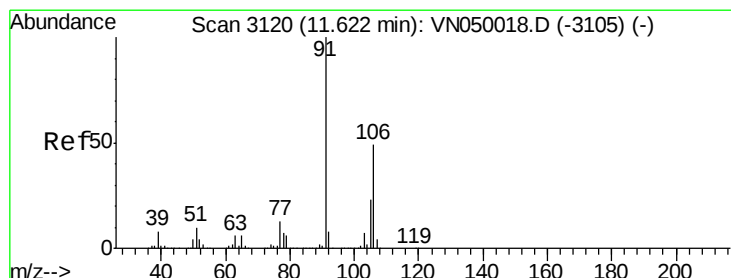
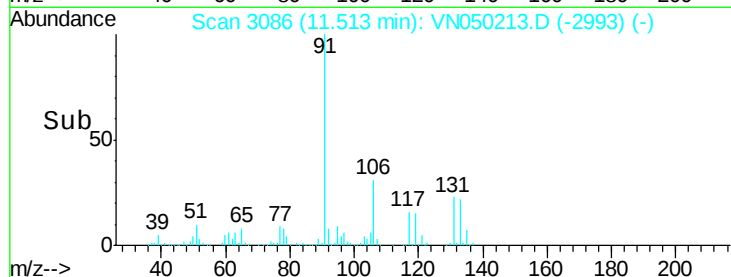
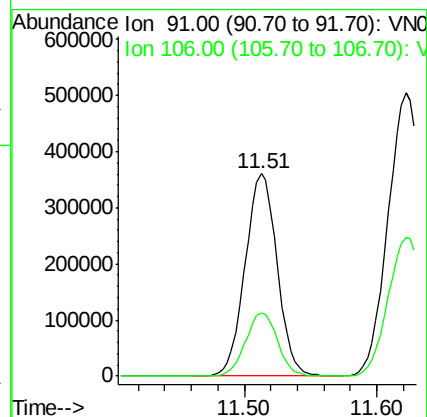
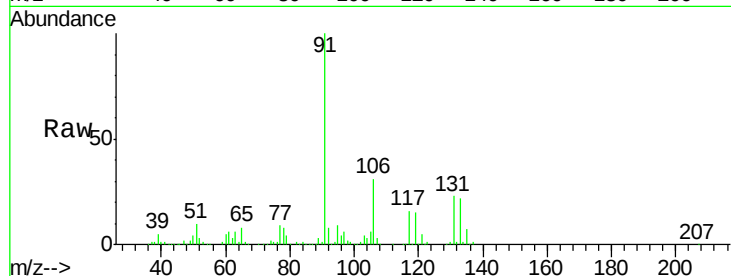
VN0731WBSD02

Tot Ion: 91 Resp: 603373

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



#68

m/p-Xylenes

Concen: 39.37 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050213.D

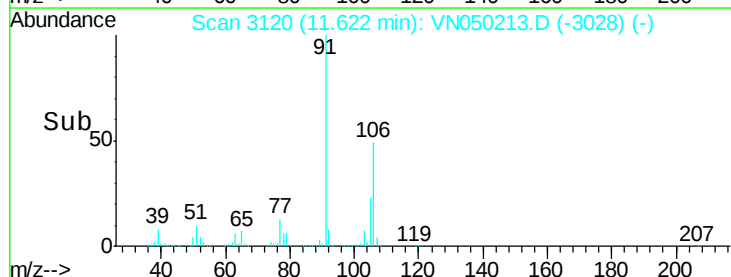
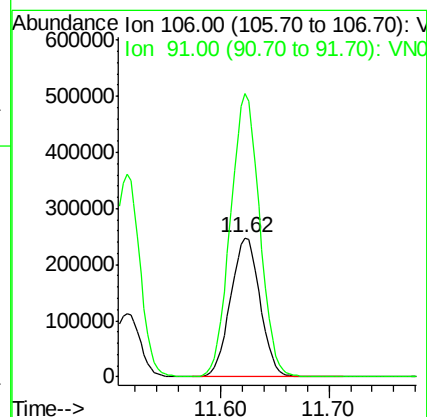
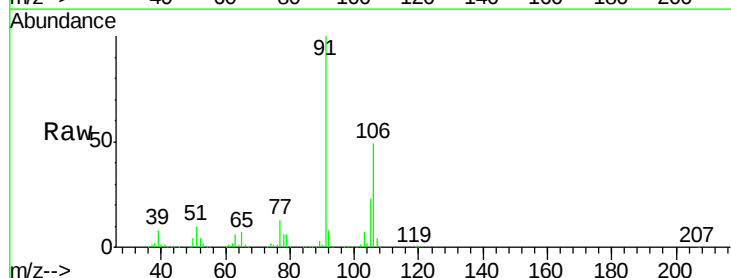
Acq: 31 Jul 2018 14:27

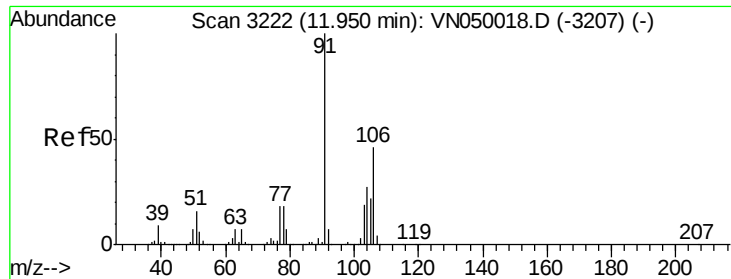
Tgt Ion: 106 Resp: 472788

Ion Ratio Lower Upper

106 100

91 201.4 162.2 243.2

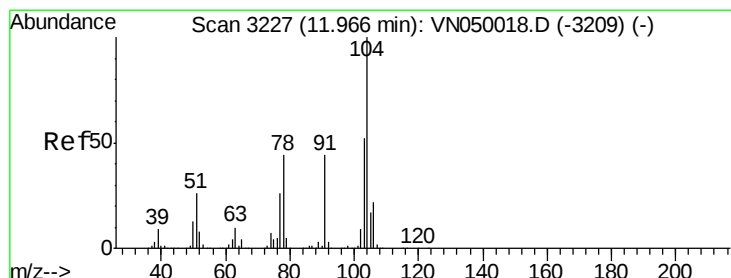
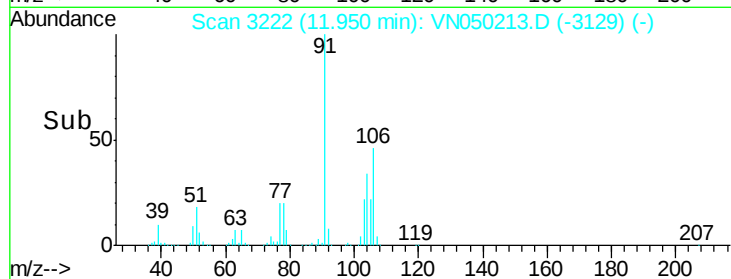
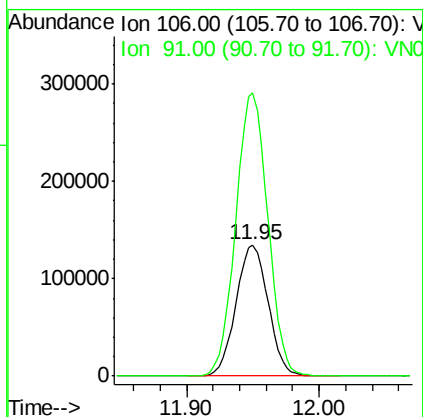
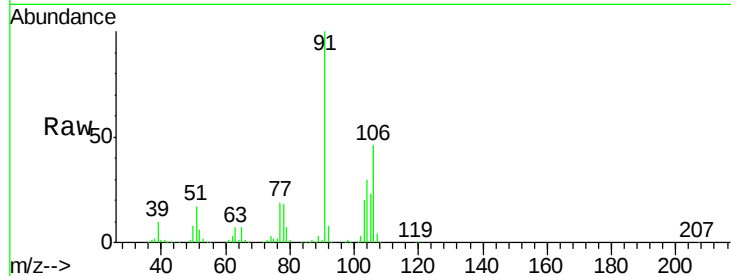




#69
o-Xylene
Concen: 19.82 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

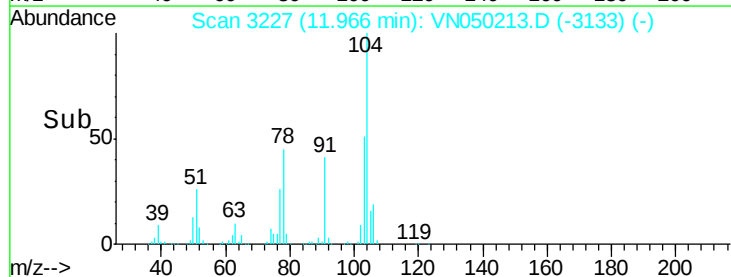
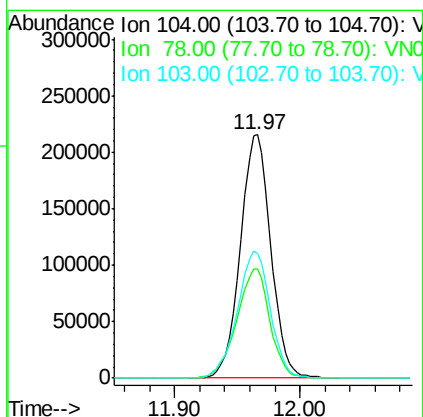
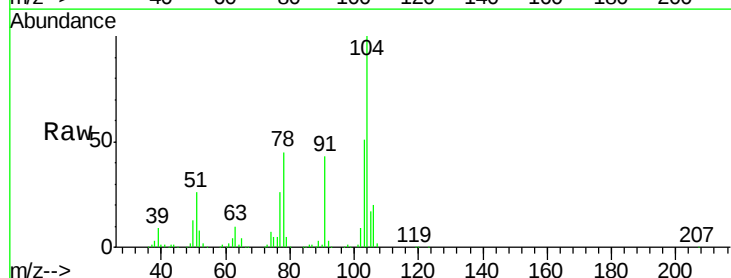
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

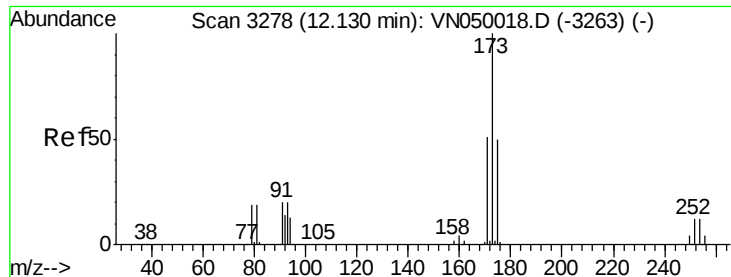
Tot Ion:106 Resp: 226929
Ion Ratio Lower Upper
106 100
91 215.6 107.7 323.1



#70
Styrene
Concen: 18.49 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion:104 Resp: 364310
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 56.5 45.0 67.6

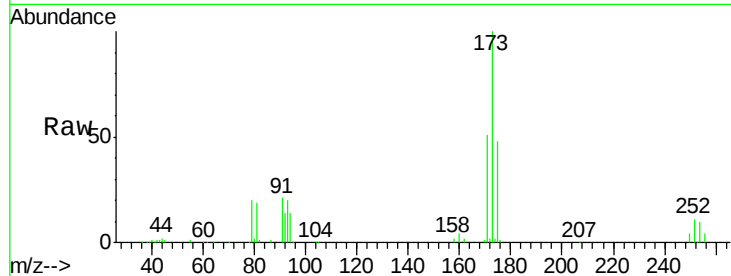




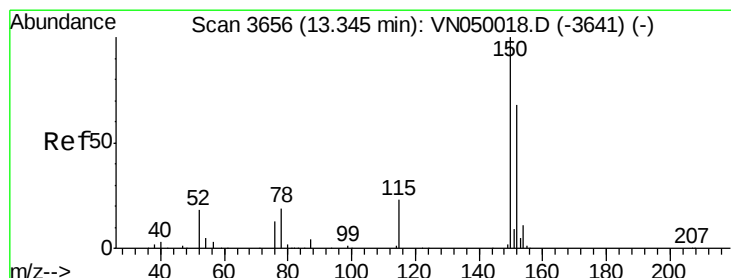
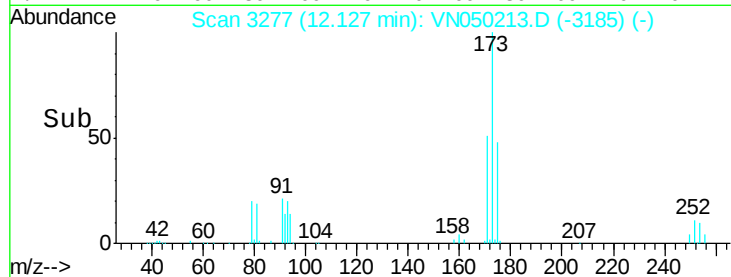
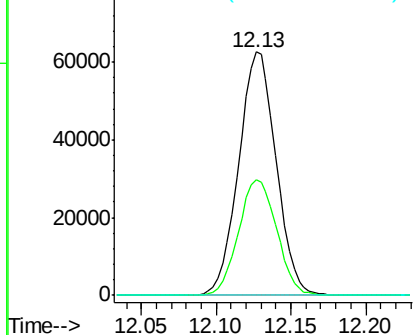
#71
Bromoform
Concen: 19.73 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

Tot Ion:173 Resp: 108974
Ion Ratio Lower Upper
173 100
175 48.5 24.1 72.2
254 0.0 0.2 0.2#

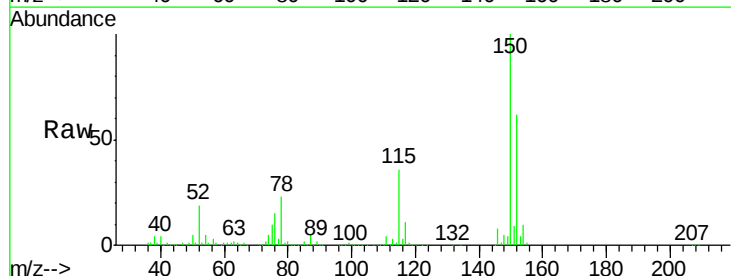


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

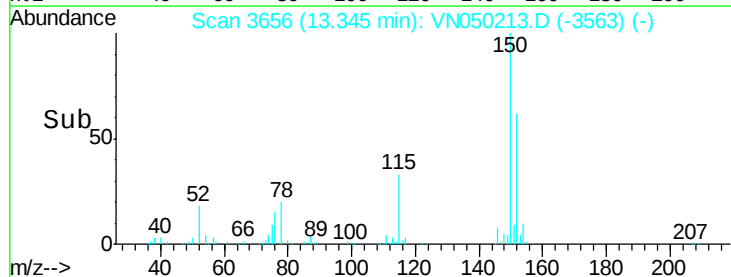
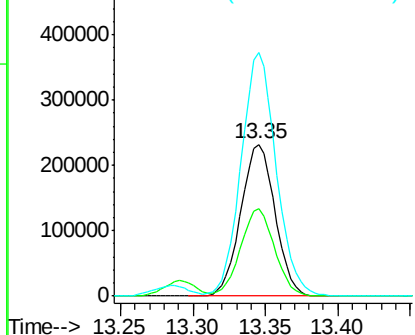


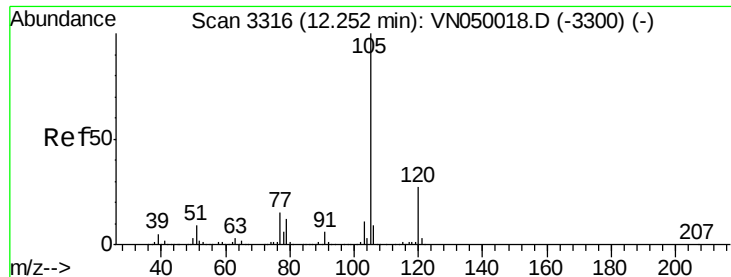
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion:152 Resp: 380758
Ion Ratio Lower Upper
152 100
115 57.0 27.8 83.3
150 164.7 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.09 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

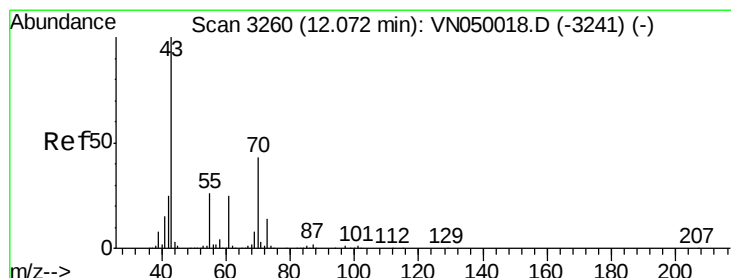
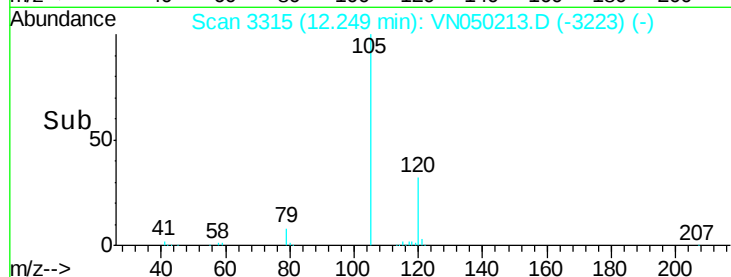
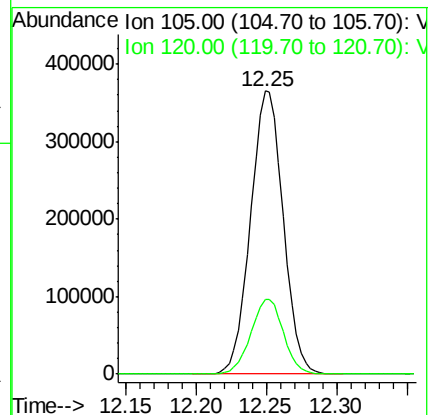
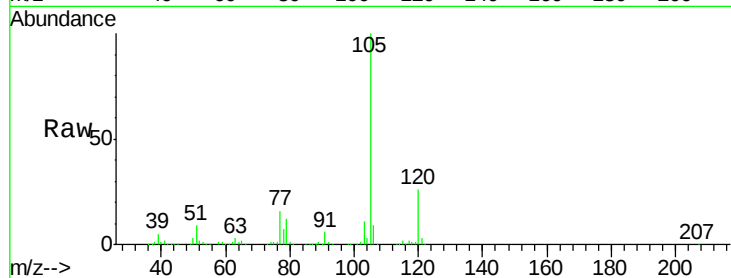
VN0731WBSD02

Tot Ion:105 Resp: 593120

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 19.99 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Tgt Ion: 43 Resp: 180407

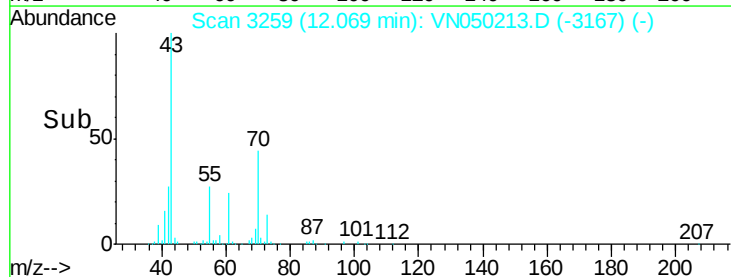
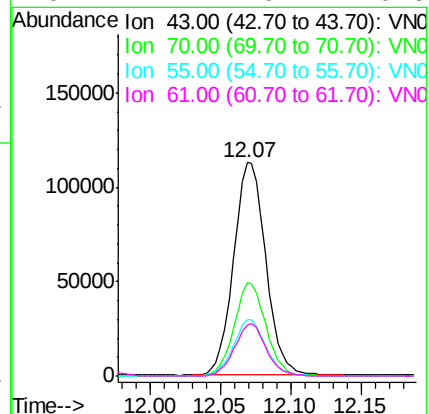
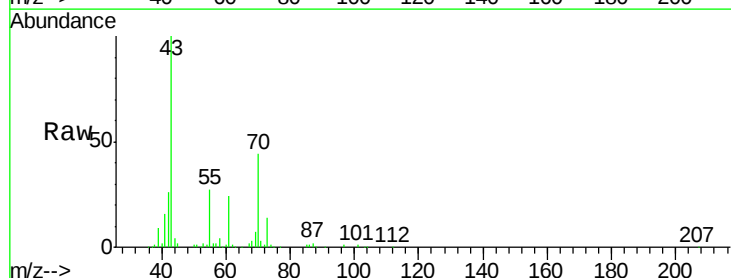
Ion Ratio Lower Upper

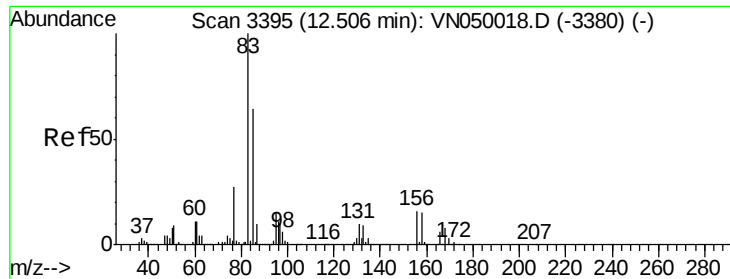
43 100

70 43.4 34.4 51.6

55 26.5 20.8 31.2

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.99 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

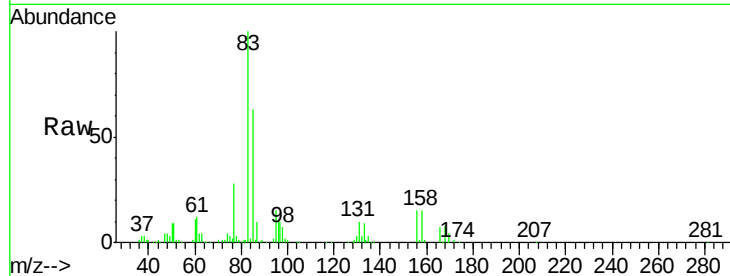
Tot Ion: 83 Resp: 181230

Ion Ratio Lower Upper

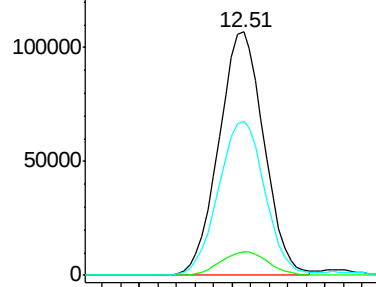
83 100

131 10.3 5.1 15.3

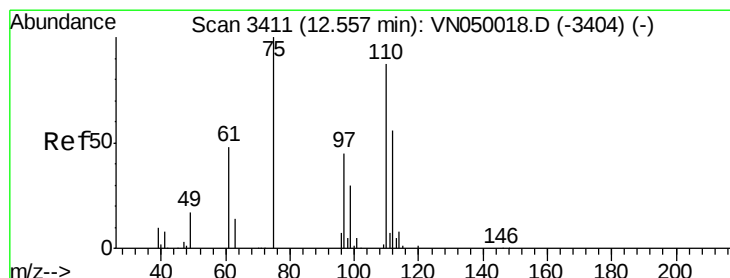
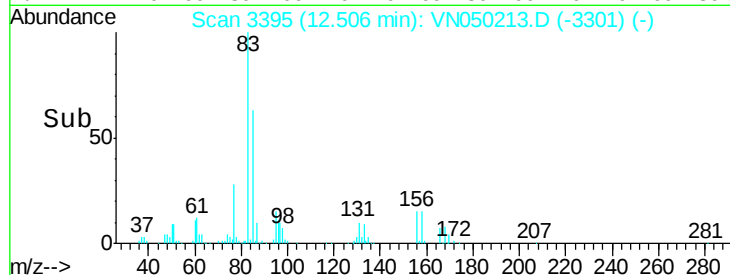
85 65.2 32.3 96.8



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.40 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050213.D

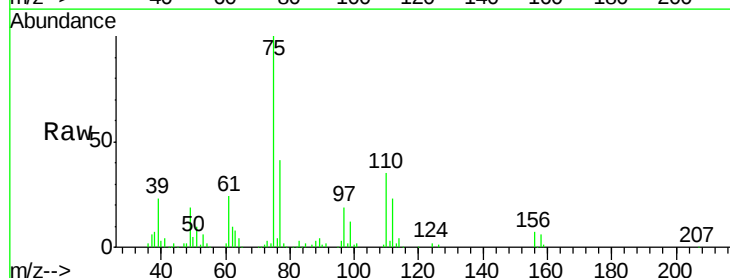
Acq: 31 Jul 2018 14:27

Tgt Ion: 75 Resp: 215109

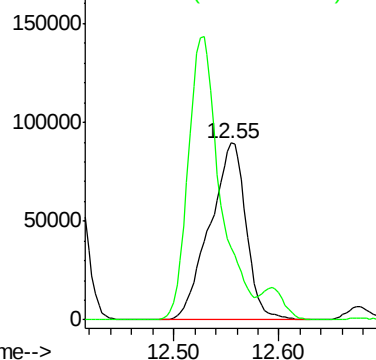
Ion Ratio Lower Upper

75 100

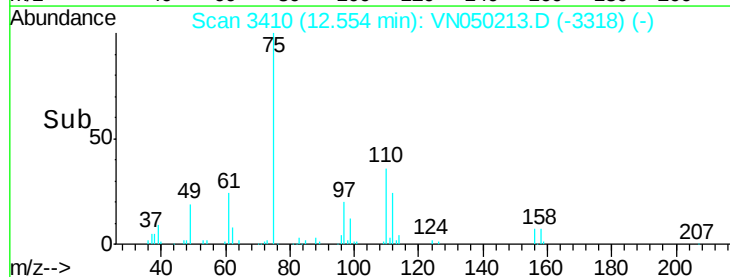
77 0.0 0.0 0.0

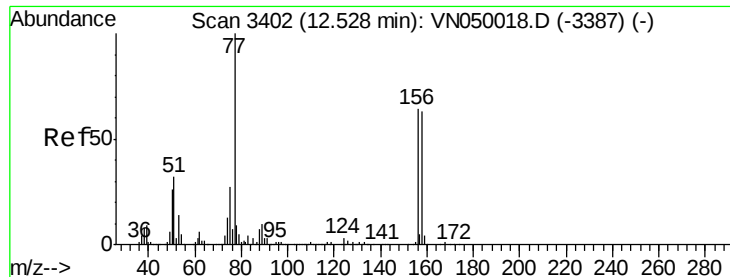


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

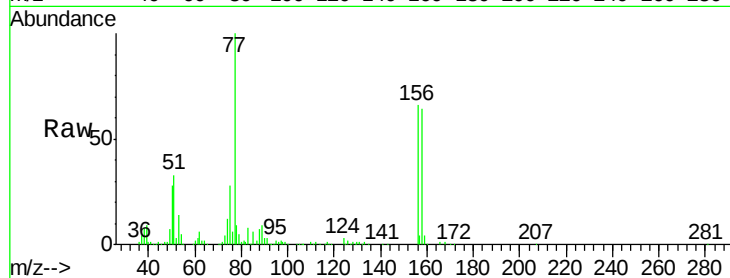
Tot Ion:156 Resp: 161722

Ion Ratio Lower Upper

156 100

77 186.4 91.7 275.1

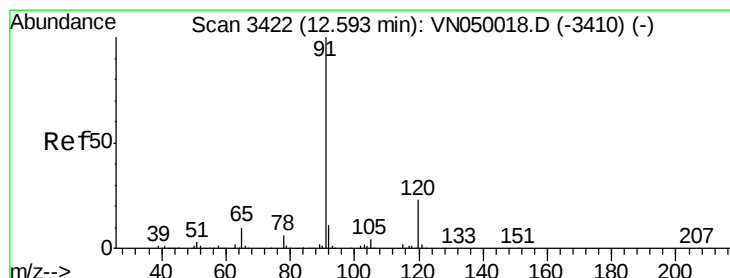
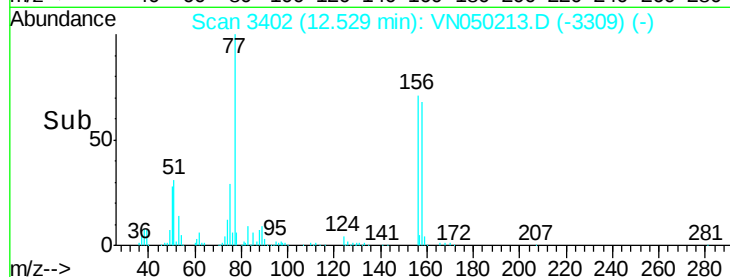
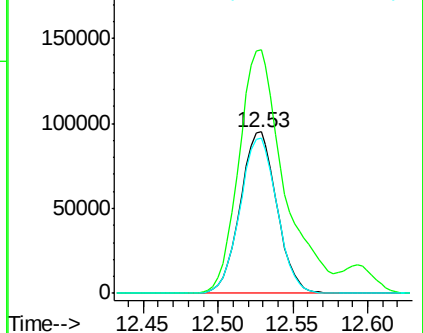
158 97.6 48.9 146.6



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: 20.37 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050213.D

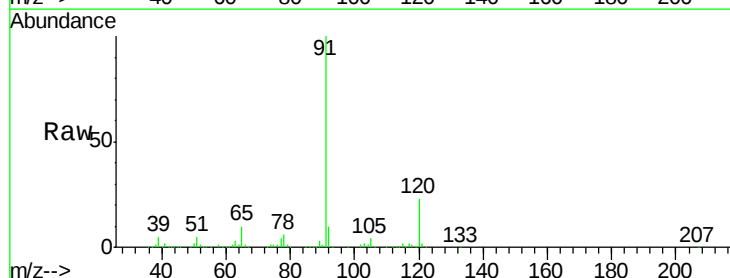
Acq: 31 Jul 2018 14:27

Tgt Ion: 91 Resp: 672379

Ion Ratio Lower Upper

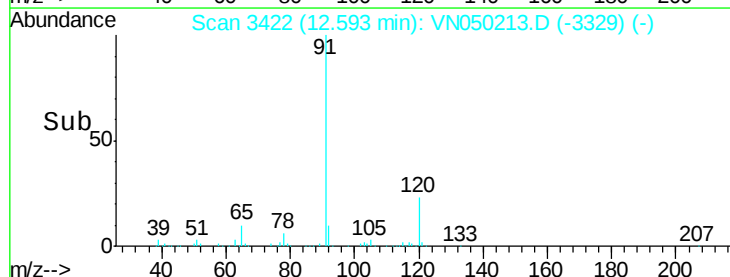
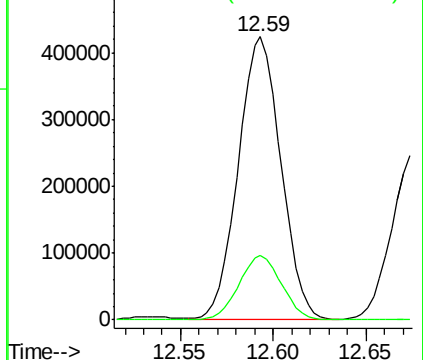
91 100

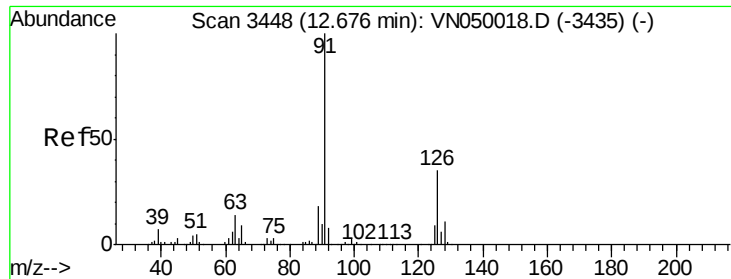
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.50 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

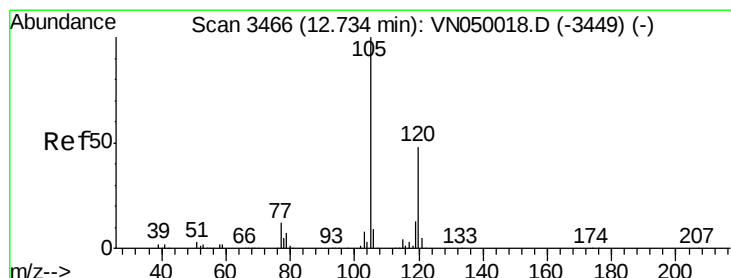
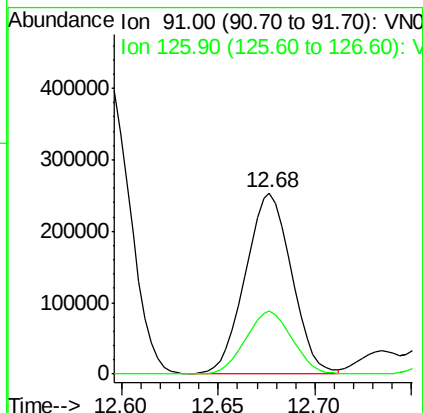
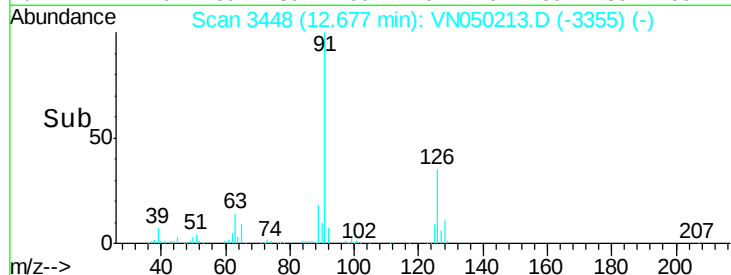
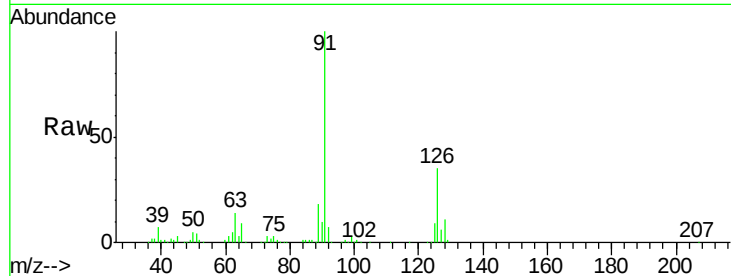
VN0731WBSD02

Tot Ion: 91 Resp: 419444

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.08 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050213.D

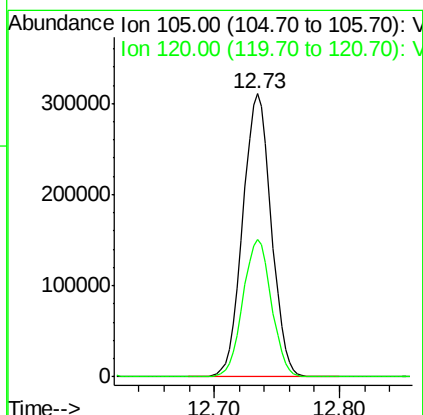
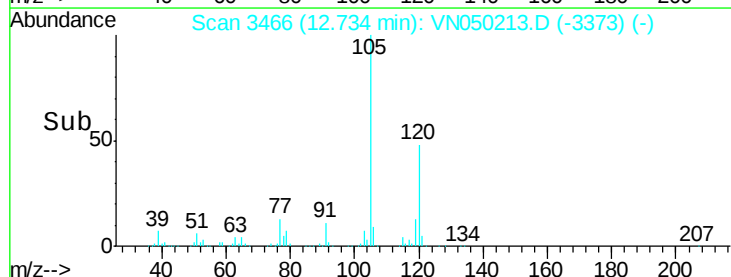
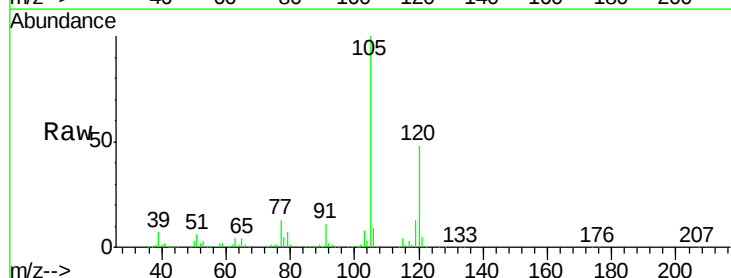
Acq: 31 Jul 2018 14:27

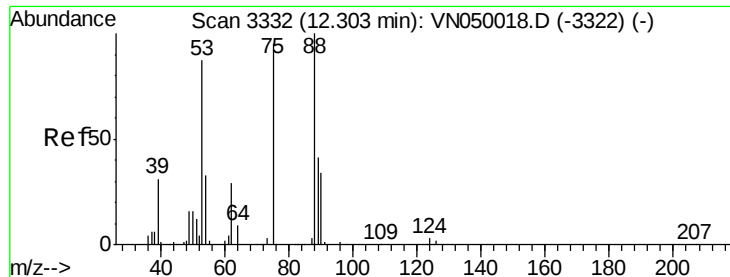
Tgt Ion: 105 Resp: 489596

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.13 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

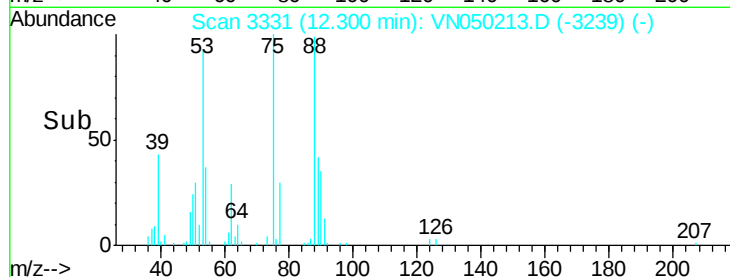
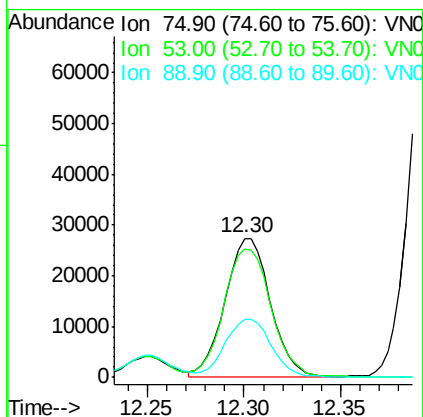
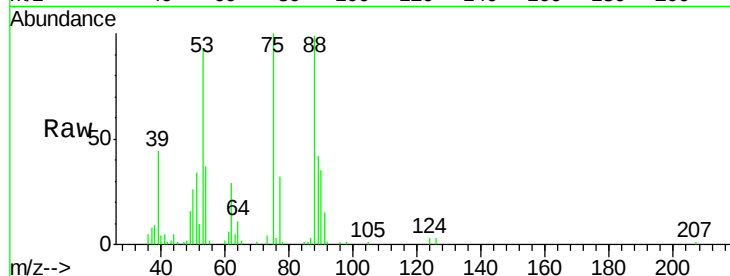
Tot Ion: 75 Resp: 44903

Ion Ratio Lower Upper

75 100

53 96.5 73.5 110.3

89 42.9 36.0 54.0



#82

4-Chlorotoluene

Concen: 20.52 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050213.D

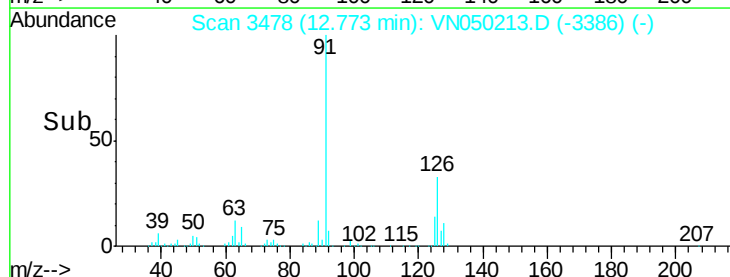
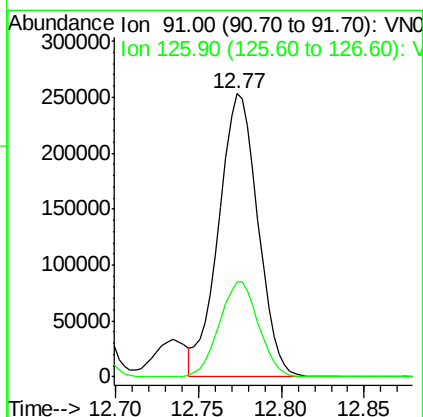
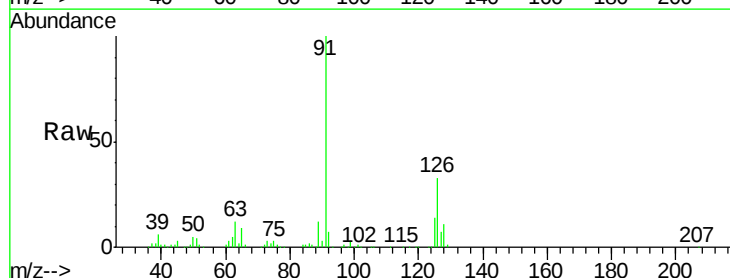
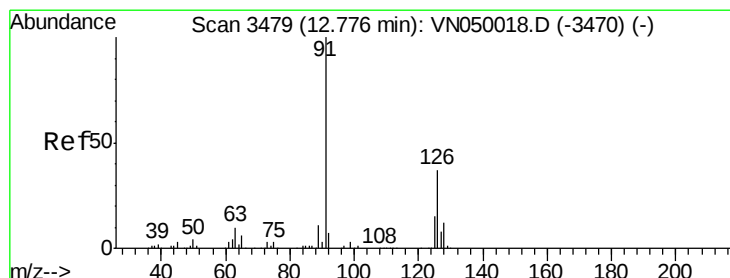
Acq: 31 Jul 2018 14:27

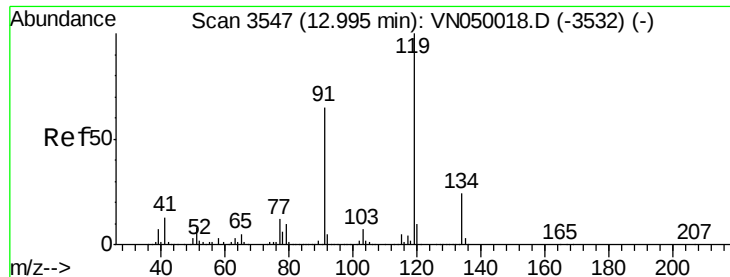
Tgt Ion: 91 Resp: 415815

Ion Ratio Lower Upper

91 100

126 33.8 17.0 51.0

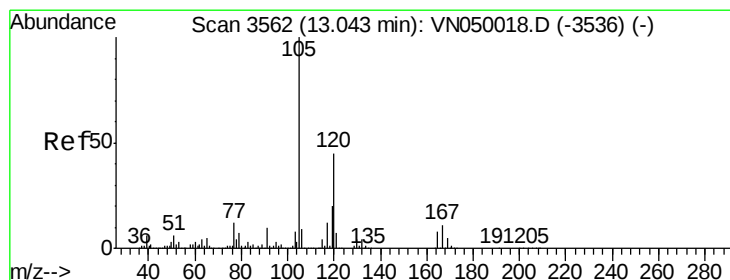
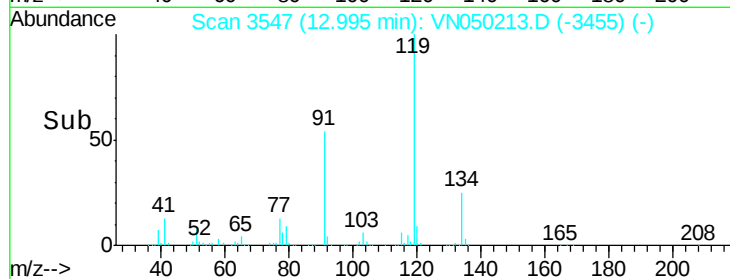
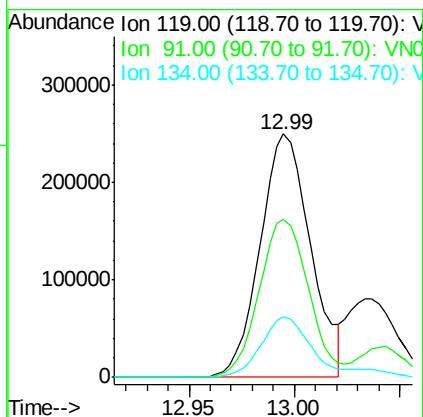
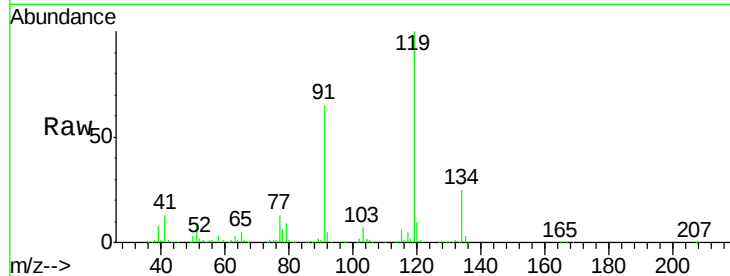




#83
 tert-Butylbenzene
 Concen: 20.52 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

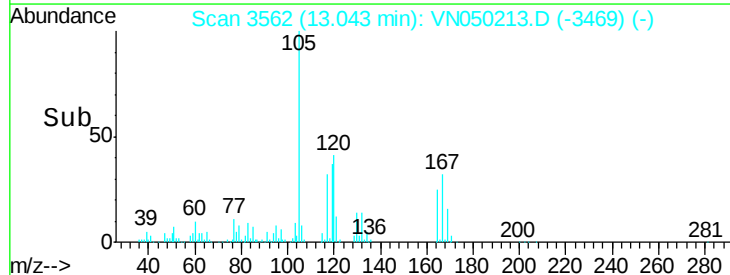
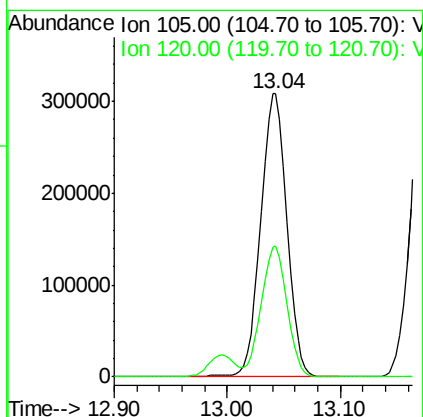
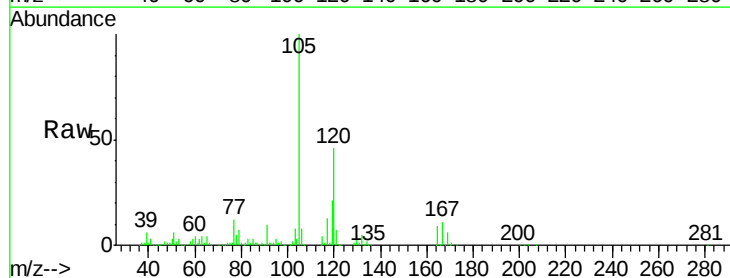
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

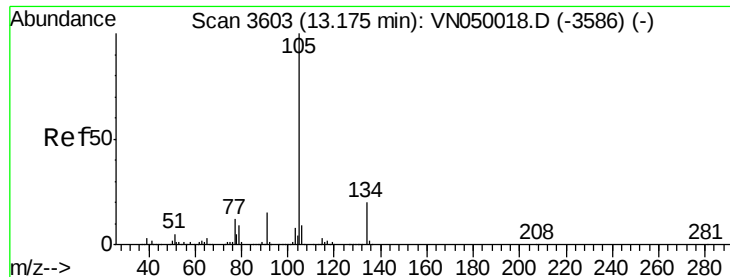
Tot Ion:119 Resp: 415985
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.1 96.3
 134 24.1 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.17 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion:105 Resp: 495707
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.22 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

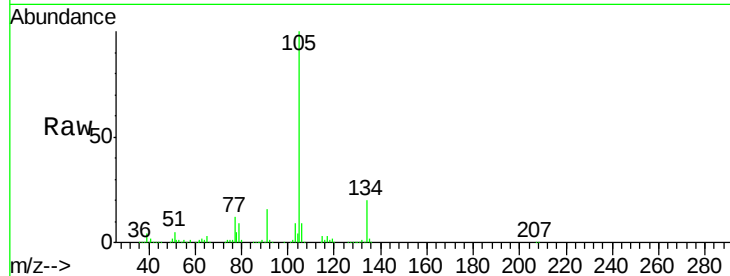
VN0731WBSD02

Tot Ion:105 Resp: 547780

Ion Ratio Lower Upper

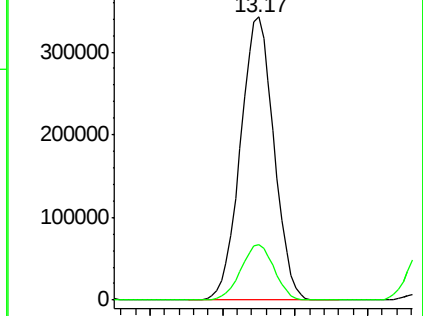
105 100

134 19.7 10.1 30.1

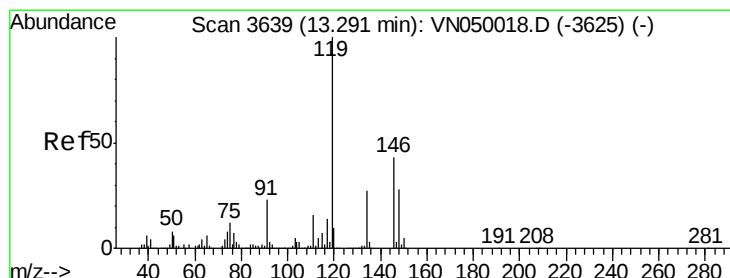
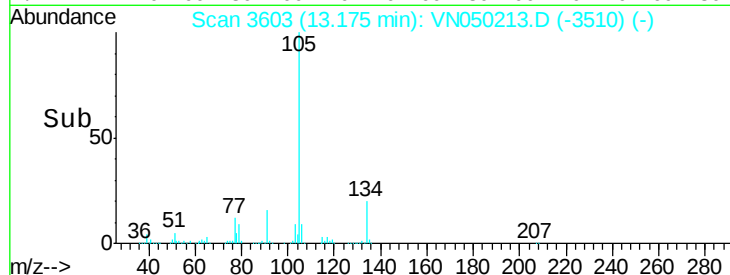


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.22 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

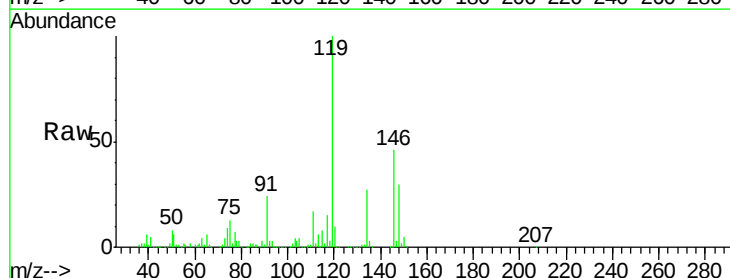
Tgt Ion:119 Resp: 461469

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

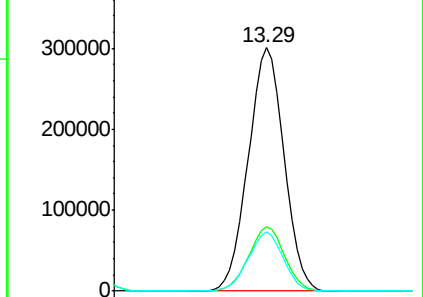
91 23.6 11.4 34.2



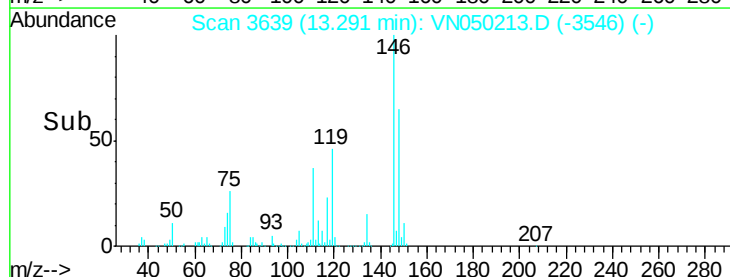
Abundance Ion 119.00 (118.70 to 119.70): V

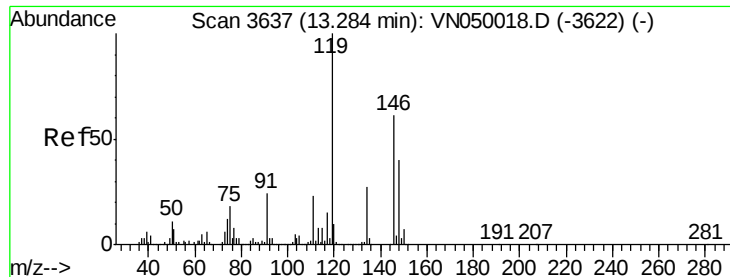
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

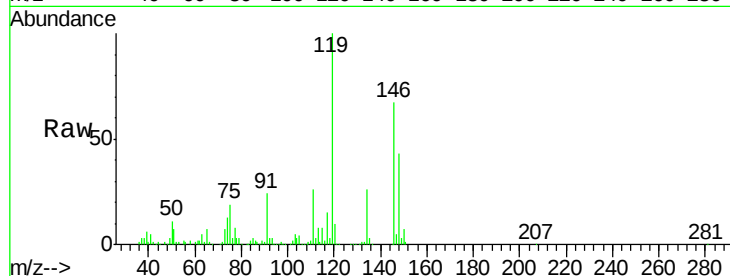
Tot Ion:146 Resp: 268349

Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.4

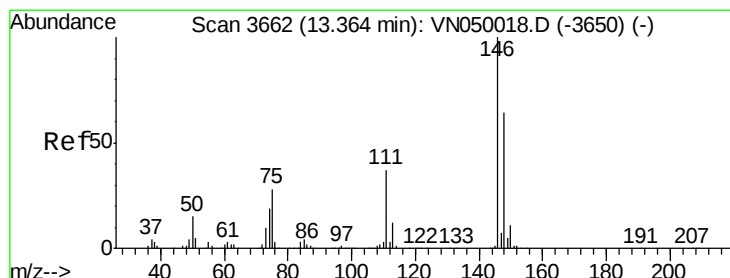
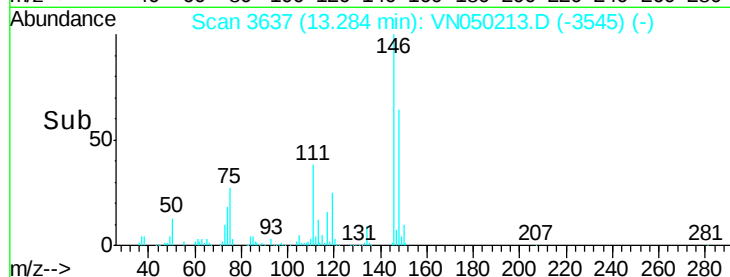
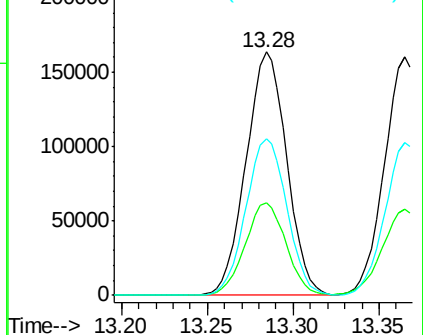
148 64.8 31.9 95.9



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: 19.42 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

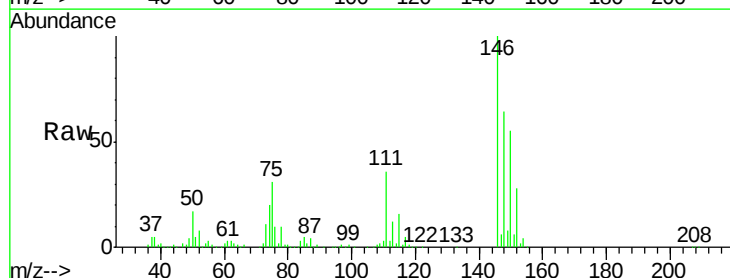
Tgt Ion:146 Resp: 262658

Ion Ratio Lower Upper

146 100

111 38.1 18.3 54.9

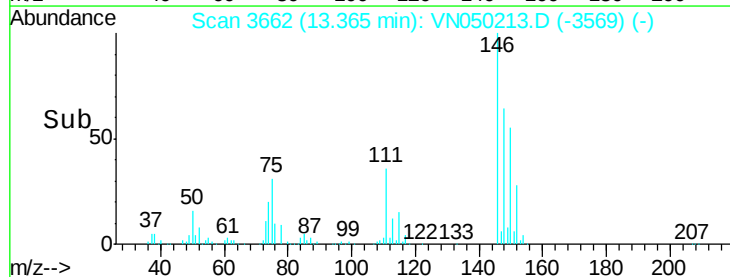
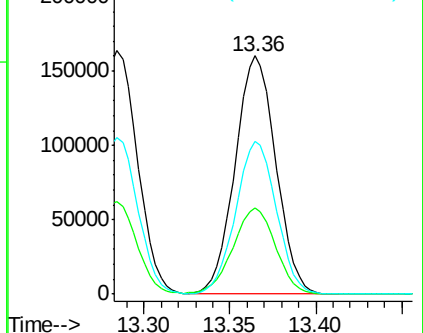
148 64.1 31.9 95.9

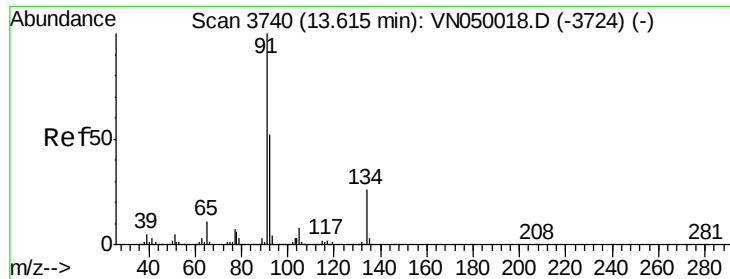


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.91 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD02

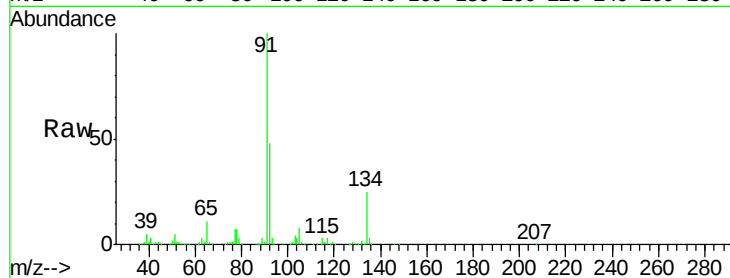
Tot Ion: 91 Resp: 354912

Ion Ratio Lower Upper

91 100

92 49.4 25.8 77.4

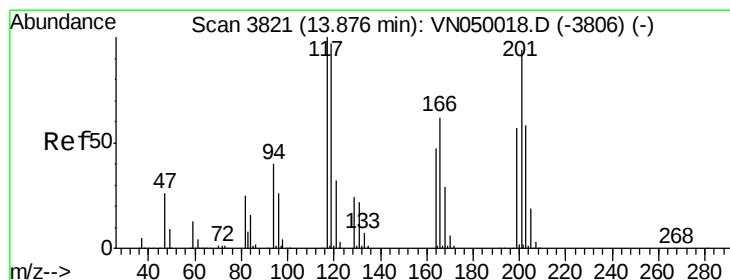
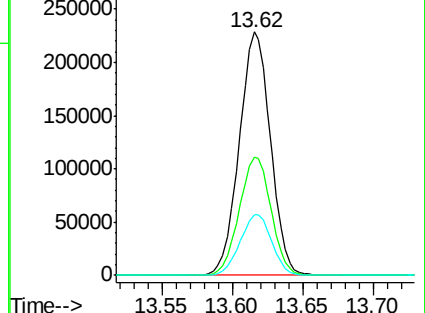
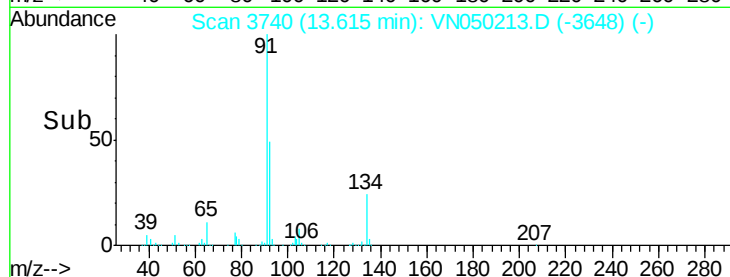
134 25.3 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90

Hexachloroethane

Concen: 18.38 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050213.D

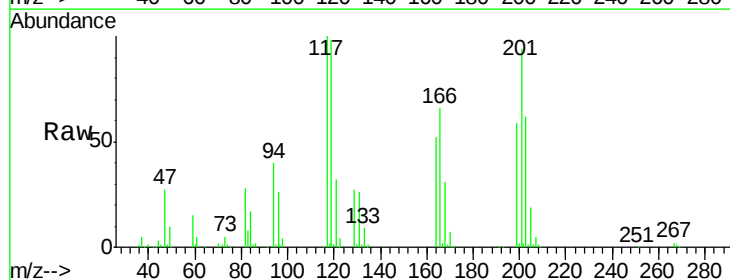
Acq: 31 Jul 2018 14:27

Tgt Ion: 117 Resp: 93150

Ion Ratio Lower Upper

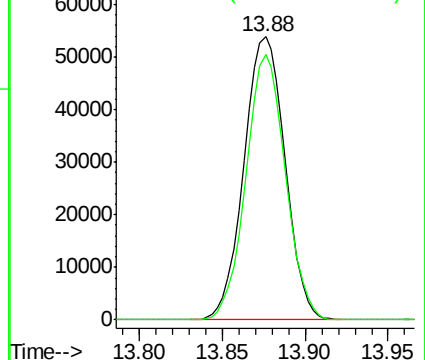
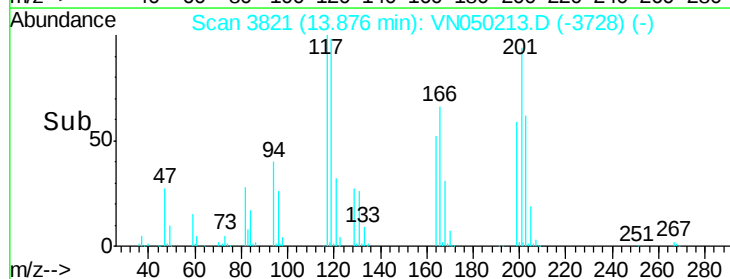
117 100

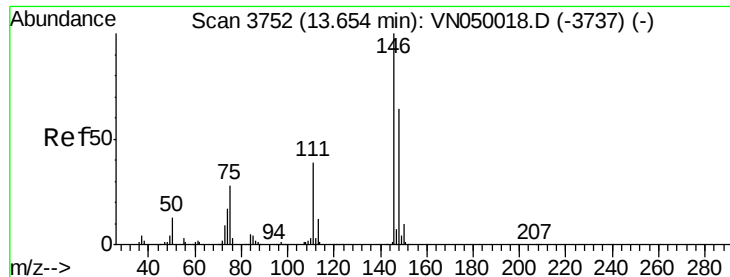
201 89.8 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)

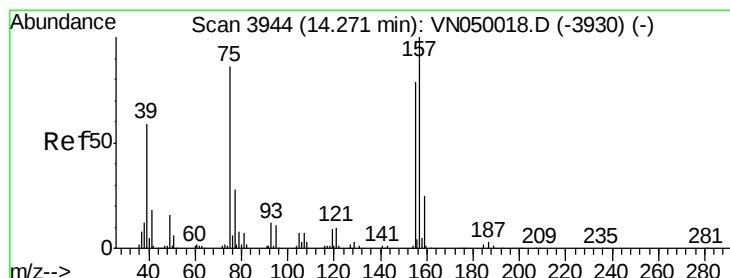
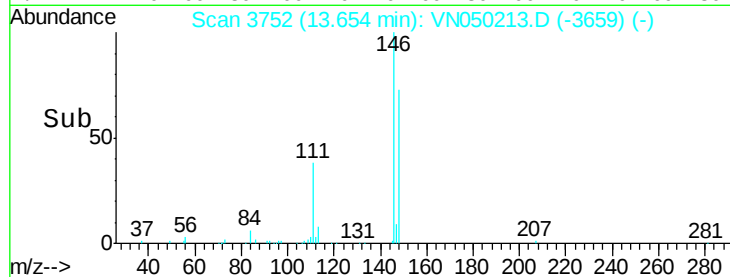
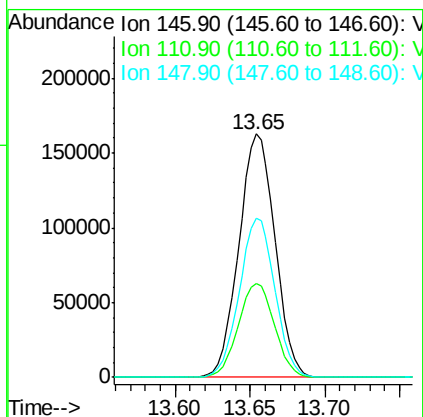
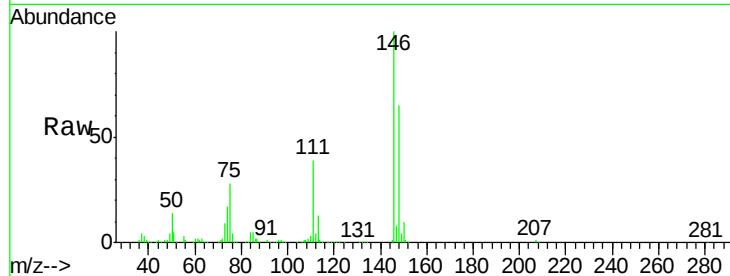




#91
 1,2-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

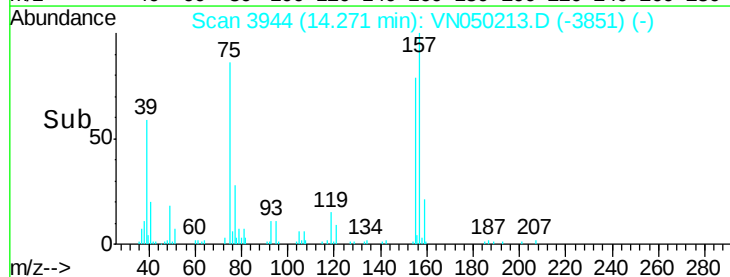
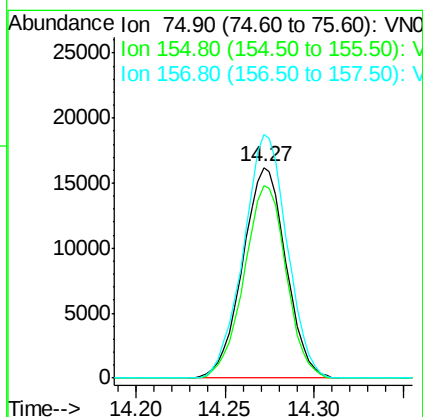
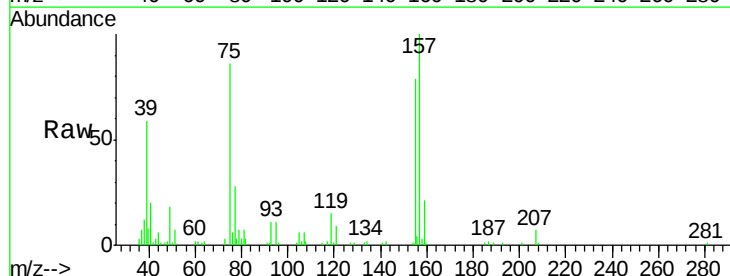
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

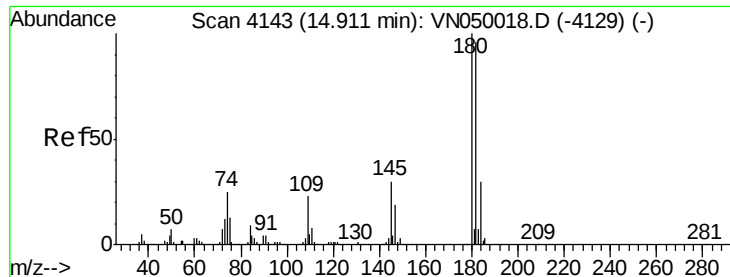
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.1	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.36 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.8	134.4
157	116.7	57.2	171.6

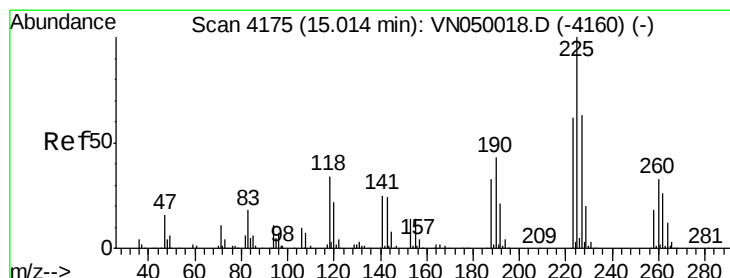
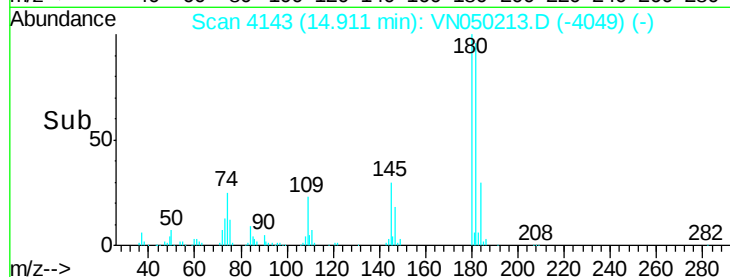
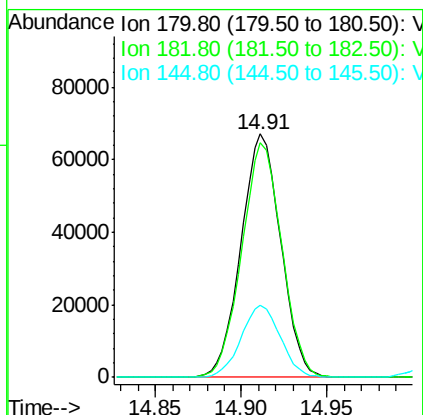
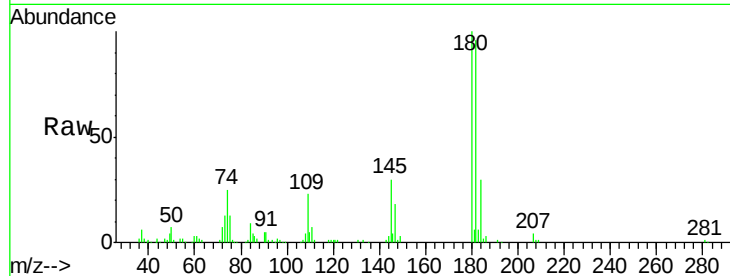




#93
 1,2,4-Trichlorobenzene
 Concen: 16.81 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

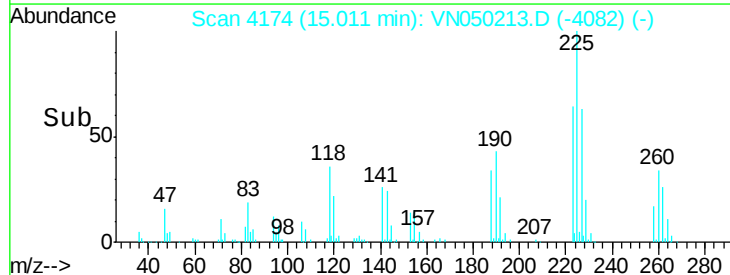
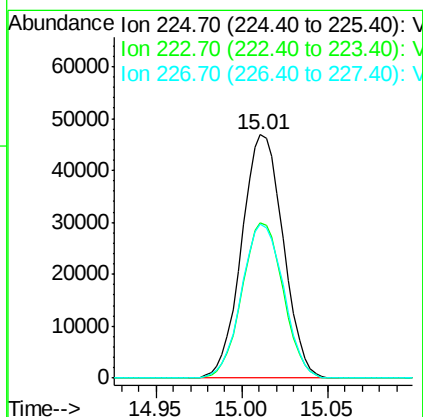
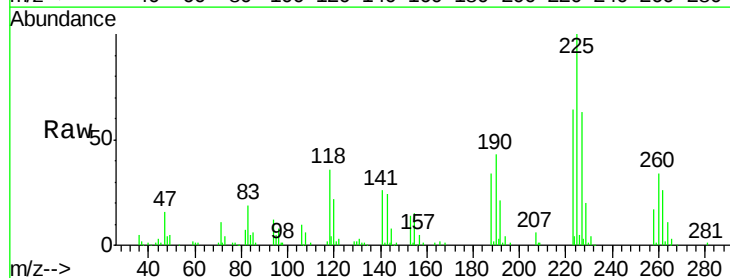
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD02

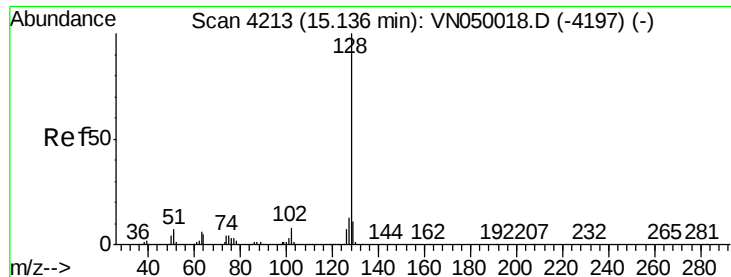
Tot Ion:180 Resp: 107547
 Ion Ratio Lower Upper
 180 100
 182 97.0 46.7 140.1
 145 29.3 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.51 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050213.D
 Acq: 31 Jul 2018 14:27

Tgt Ion:225 Resp: 78597
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.2
 227 64.2 32.1 96.5

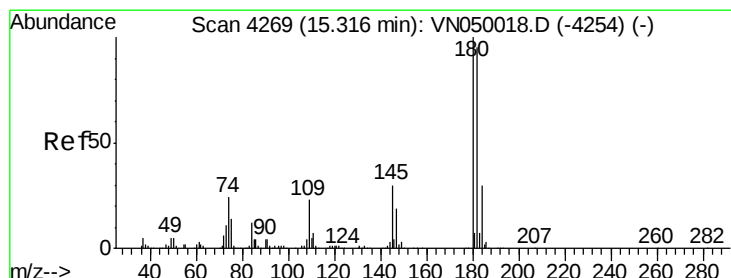
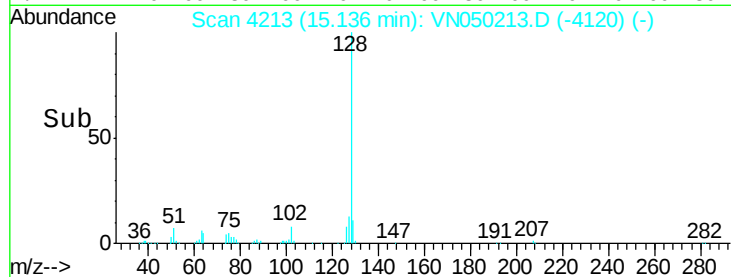
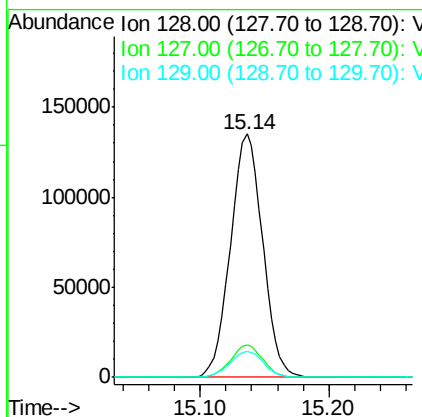
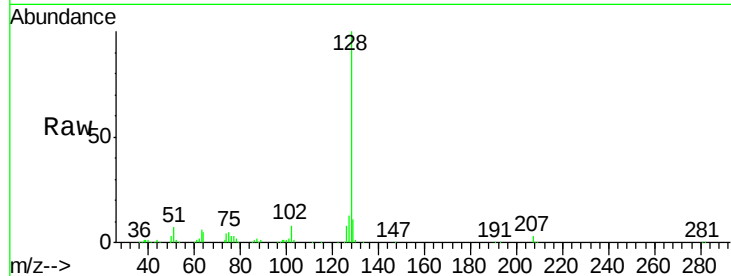




#95
Naphthalene
Concen: 16.69 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD02

Tot Ion:128 Resp: 234114
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.89 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050213.D
Acq: 31 Jul 2018 14:27

Tgt Ion:180 Resp: 117525
Ion Ratio Lower Upper
180 100
182 95.5 48.1 144.4
145 30.4 15.3 45.9

