

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050210.D
 Acq On : 31 Jul 2018 13:13
 Operator : MD\SY
 Sample : VN0731WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

Quant Time: Jul 31 18:02:37 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	7.66	168	638225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	937194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426996	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	418388	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.59	113	374317	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.09	98	1390956	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	454639	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	176599	19.26	ug/l	99
3) Chloromethane	2.06	50	167317	16.79	ug/l	98
4) Vinyl Chloride	2.18	62	179917	17.14	ug/l	99
5) Bromomethane	2.56	94	69549	11.15	ug/l	97
6) Chloroethane	2.70	64	107120	16.99	ug/l	95
7) Trichlorofluoromethane	3.01	101	246461	18.12	ug/l	99
8) Diethyl Ether	3.41	74	82810	18.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152403	18.64	ug/l	99
10) Methyl Iodide	3.95	142	69496	6.62	ug/l	98
11) Tert butyl alcohol	4.80	59	54413	83.05	ug/l	98
12) 1,1-Dichloroethene	3.73	96	130032	17.68	ug/l	94
13) Acrolein	3.61	56	13842	26.29	ug/l	95
14) Allyl chloride	4.32	41	208479	18.28	ug/l	99
15) Acrylonitrile	4.99	53	250097	87.49	ug/l	99
16) Acetone	3.82	43	208000	96.50	ug/l	98
17) Carbon Disulfide	4.05	76	366119	16.25	ug/l	100
18) Methyl Acetate	4.33	43	173897	20.35	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	368244	18.79	ug/l	99
20) Methylene Chloride	4.55	84	156014	18.98	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	139402	17.88	ug/l	100
22) Diisopropyl ether	5.95	45	447411	19.78	ug/l	96
23) Vinyl Acetate	5.90	43	1429254	89.43	ug/l	100
24) 1,1-Dichloroethane	5.85	63	273568	18.50	ug/l	99
25) 2-Butanone	6.84	43	304124	89.54	ug/l	100
26) 2,2-Dichloropropane	6.82	77	227216	20.20	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157767	18.80	ug/l	98
28) Bromochloromethane	7.19	49	122187	18.11	ug/l	99
29) Tetrahydrofuran	7.21	42	188545	85.91	ug/l	99
30) Chloroform	7.37	83	283283	18.77	ug/l	95
31) Cyclohexane	7.65	56	223881	18.21	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	236656	18.33	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202154	19.15	ug/l	99
37) Ethyl Acetate	6.93	43	130273	17.70	ug/l	98
38) Carbon Tetrachloride	7.77	117	211750	18.90	ug/l	99

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 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)
39) Methylcyclohexane	9.08	83	203402	18.73	ug/l	97
40) Benzene	8.04	78	622336	19.37	ug/l	99
41) Methacrylonitrile	7.18	41	66746	19.20	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	202243	18.87	ug/l	99
43) Isopropyl Acetate	8.17	43	249638	17.25	ug/l	99
44) Trichloroethene	8.83	130	160659	18.61	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165822	19.49	ug/l	99
46) Dibromomethane	9.21	93	101335	19.18	ug/l	99
47) Bromodichloromethane	9.40	83	212012	19.01	ug/l	98
48) Methyl methacrylate	9.20	41	117722	18.57	ug/l	99
49) 1,4-Dioxane	9.20	88	33008	382.56	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	673651	93.09	ug/l	99
52) Toluene	10.16	92	380805	20.08	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204003	19.38	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	236635	19.67	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	145534	19.35	ug/l	98
56) Ethyl methacrylate	10.43	69	168869	17.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	237885	19.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	356443	80.84	ug/l	100
59) 2-Hexanone	10.75	43	444553	87.04	ug/l	99
60) Dibromochloromethane	10.90	129	159467	19.15	ug/l	98
61) 1,2-Dibromoethane	11.01	107	137533	18.43	ug/l	98
64) Tetrachloroethene	10.63	164	154370	18.86	ug/l	99
65) Chlorobenzene	11.43	112	416571	19.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159634	19.32	ug/l	99
67) Ethyl Benzene	11.51	91	685833	19.85	ug/l	100
68) m/p-Xylenes	11.62	106	537749	41.15	ug/l	99
69) o-Xylene	11.95	106	249131	20.00	ug/l	99
70) Styrene	11.96	104	401564	18.71	ug/l	100
71) Bromoform	12.13	173	109413	18.20	ug/l #	99
73) Isopropylbenzene	12.25	105	683010	20.62	ug/l	100
74) N-amyl acetate	12.07	43	177157	17.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	179898	19.25	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	214688	27.05	ug/l #	100
77) Bromobenzene	12.53	156	175413	19.11	ug/l	99
78) n-propylbenzene	12.59	91	782976	21.15	ug/l	100
79) 2-Chlorotoluene	12.67	91	471876	20.57	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	560579	21.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46815	18.71	ug/l	99
82) 4-Chlorotoluene	12.77	91	476966	20.99	ug/l	100
83) tert-Butylbenzene	12.99	119	477827	21.02	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	565773	21.55	ug/l	100
85) sec-Butylbenzene	13.17	105	646080	21.27	ug/l	100
86) p-Isopropyltoluene	13.29	119	545230	21.30	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304547	19.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292044	19.26	ug/l	98
89) n-Butylbenzene	13.62	91	420414	19.98	ug/l	99
90) Hexachloroethane	13.88	117	108065	19.02	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	299659	19.27	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27096	17.84	ug/l	96

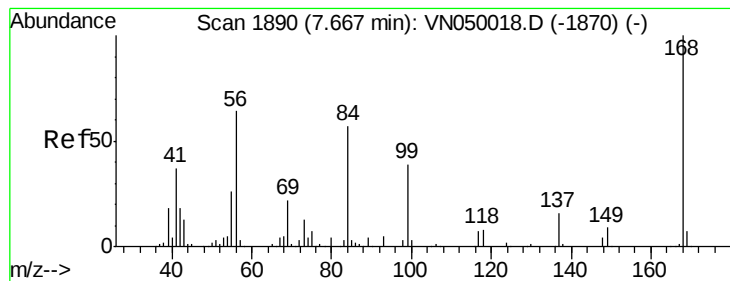
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
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Quant Time: Jul 31 18:02:37 2018
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	127204	17.56	ug/l	99
94) Hexachlorobutadiene	15.01	225	94666	19.88	ug/l	100
95) Naphthalene	15.14	128	244706	15.86	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	131418	17.84	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

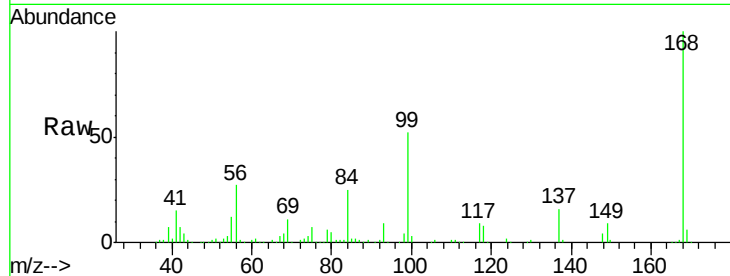
VN0731WBS02

Tot Ion:168 Resp: 638225

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

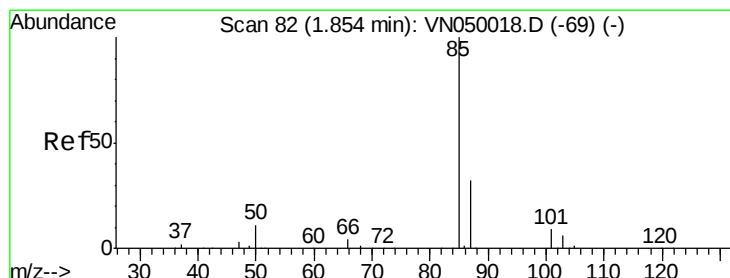
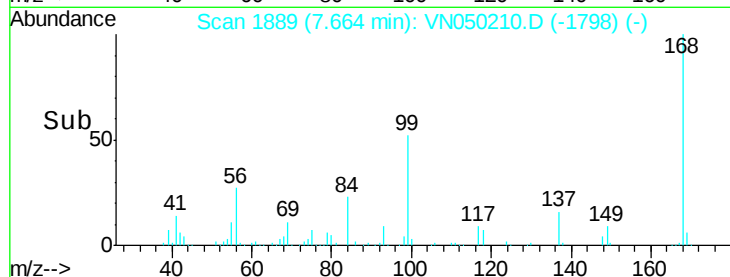
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.26 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050210.D

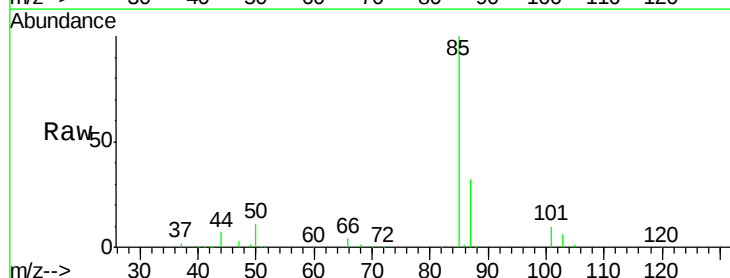
Acq: 31 Jul 2018 13:13

Tgt Ion: 85 Resp: 176599

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

1.85

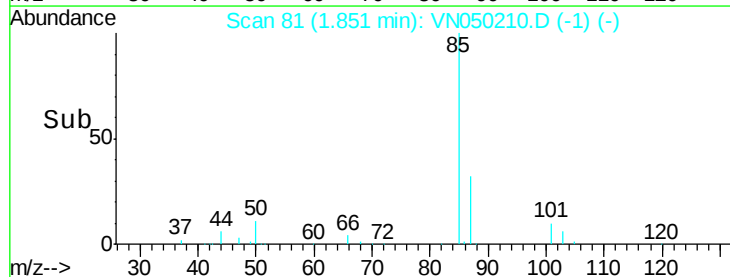
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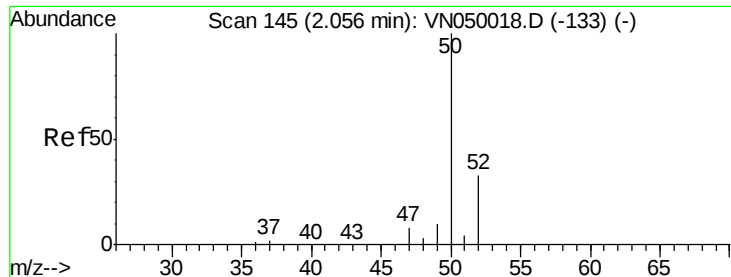
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 16.79 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

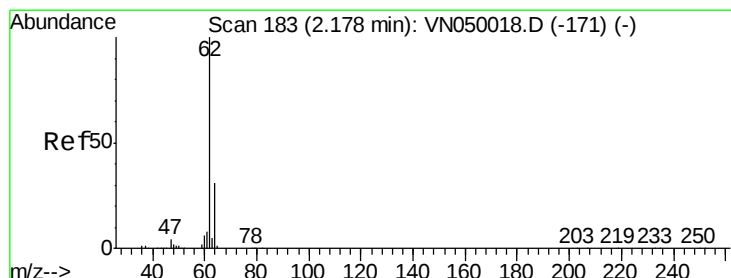
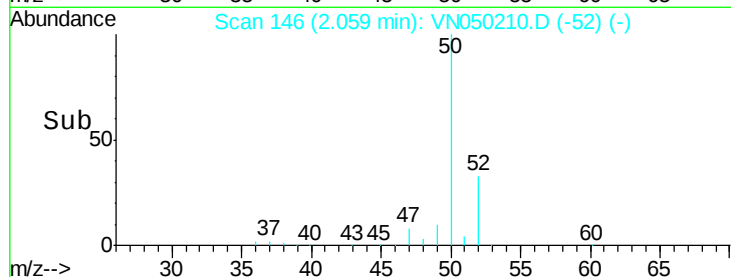
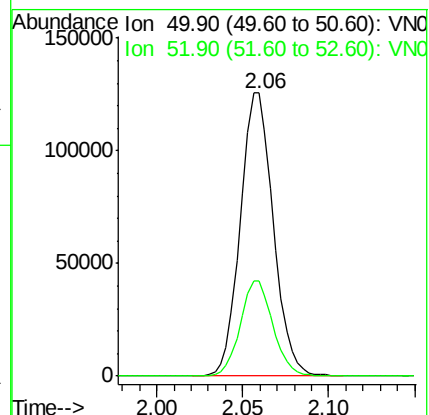
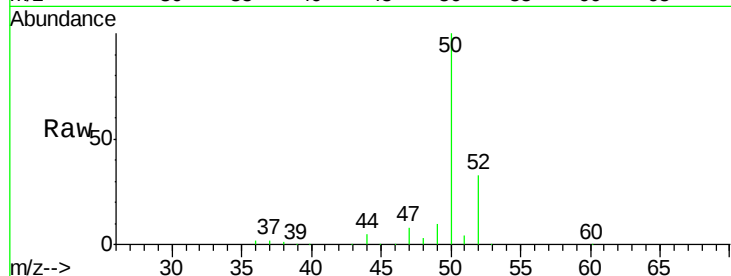
VN0731WBS02

Tot Ion: 50 Resp: 167317

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9



#4

Vinyl Chloride

Concen: 17.14 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050210.D

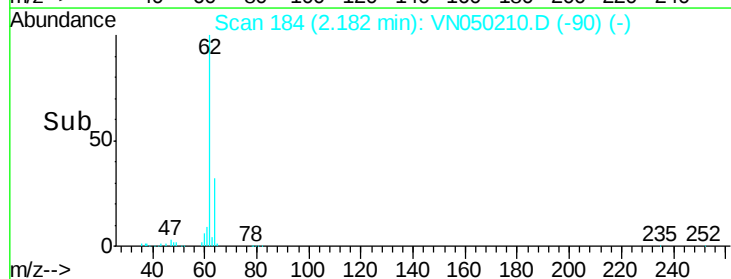
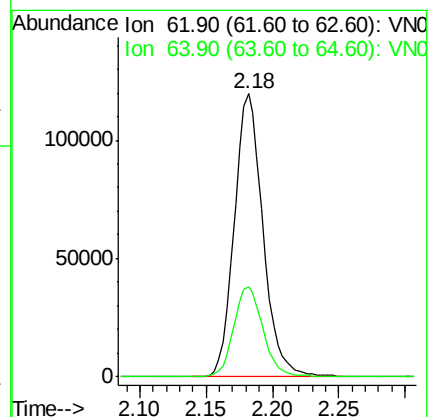
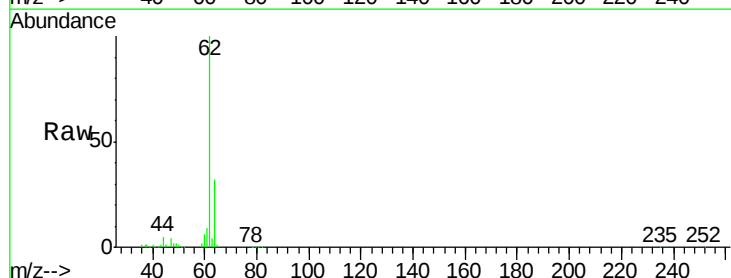
Acq: 31 Jul 2018 13:13

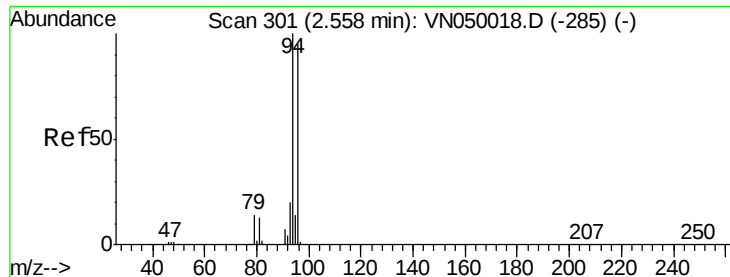
Tgt Ion: 62 Resp: 179917

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 11.15 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

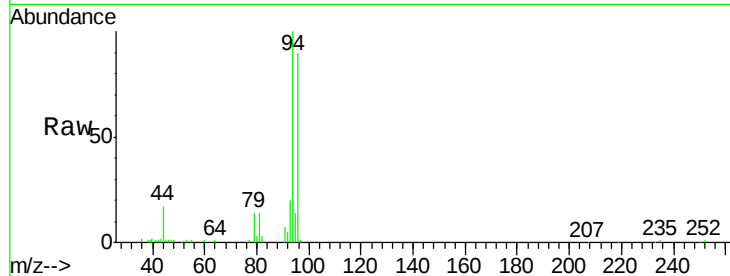
VN0731WBS02

Tot Ion: 94 Resp: 69549

Ion Ratio Lower Upper

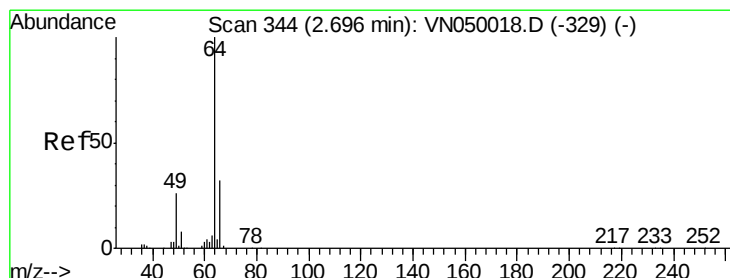
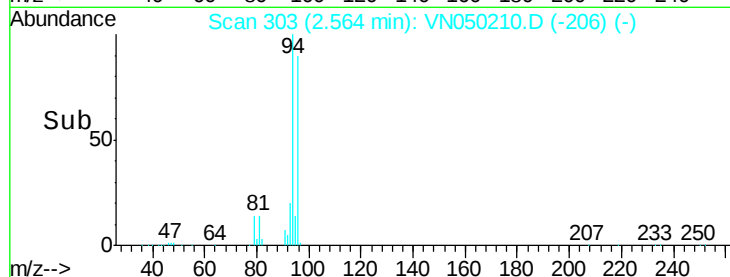
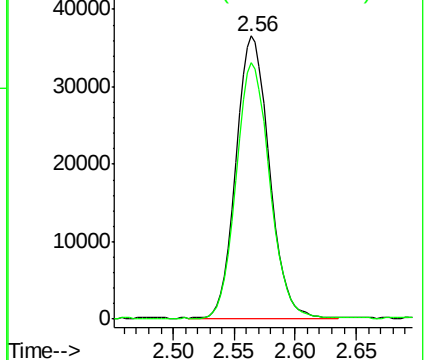
94 100

96 90.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.99 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050210.D

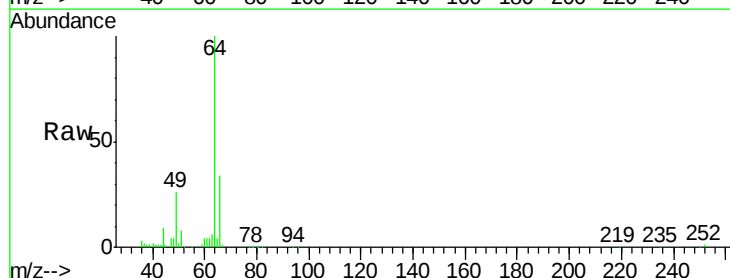
Acq: 31 Jul 2018 13:13

Tgt Ion: 64 Resp: 107120

Ion Ratio Lower Upper

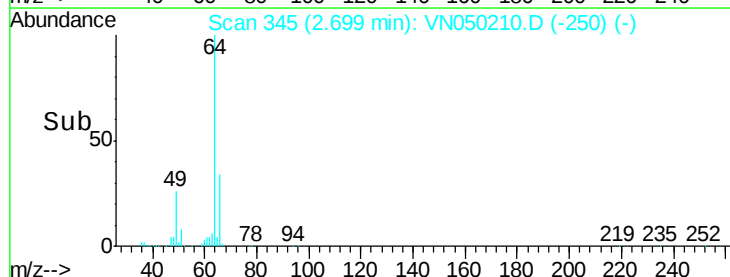
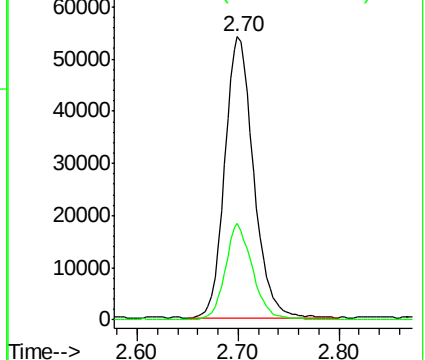
64 100

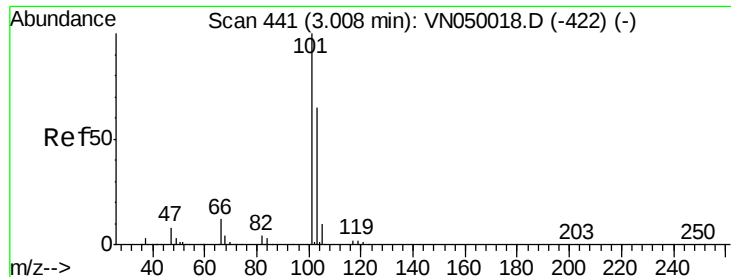
66 34.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



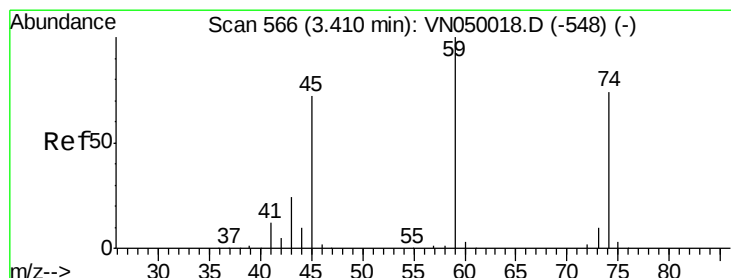
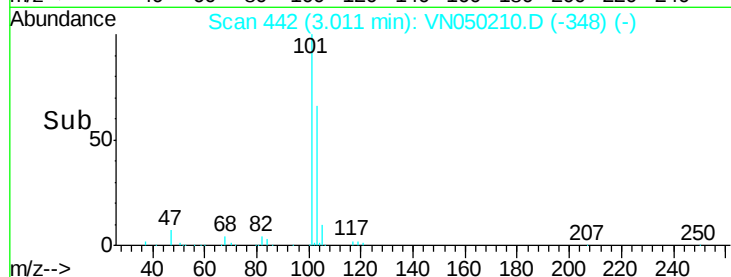
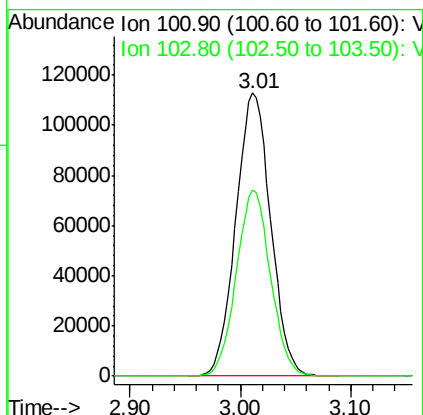
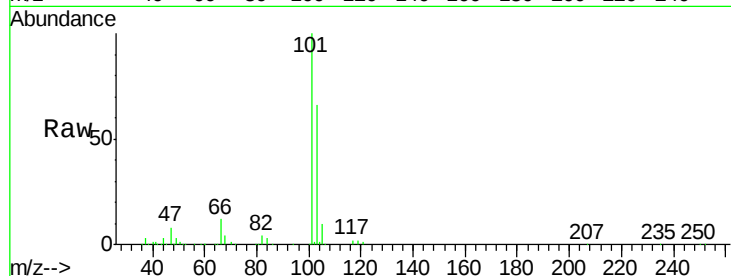


#7

Trichlorofluoromethane
 Concen: 18.12 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
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 VN0731WBS02

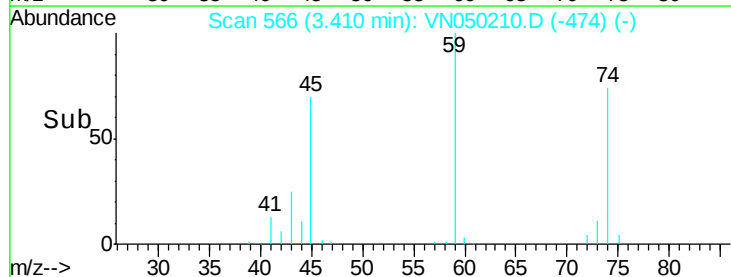
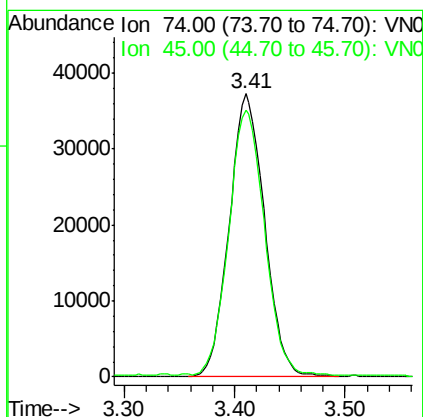
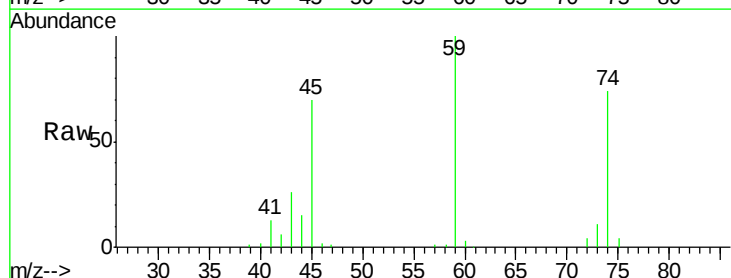
Tot Ion:101 Resp: 246461
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.7 77.5

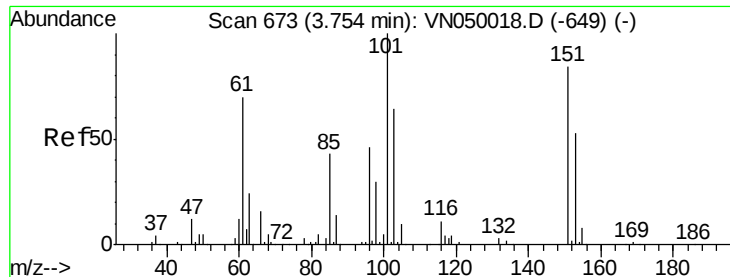


#8

Diethyl Ether
 Concen: 18.27 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion: 74 Resp: 82810
 Ion Ratio Lower Upper
 74 100
 45 94.7 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.64 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

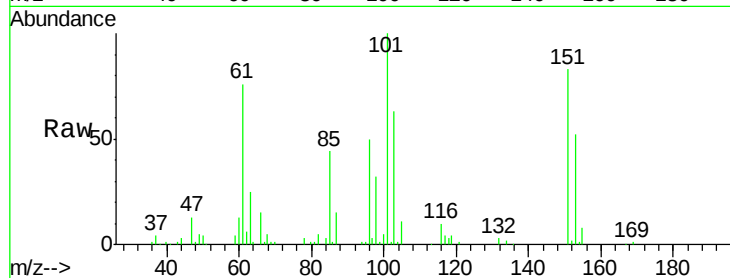
Tot Ion:101 Resp: 152403

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

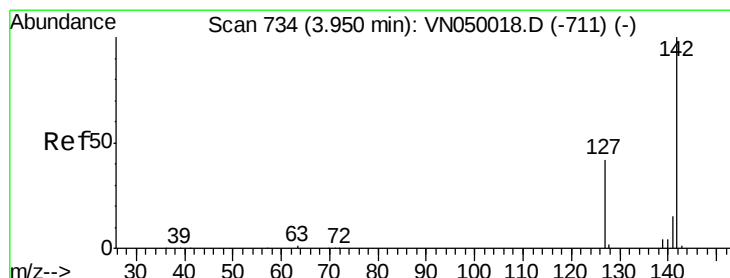
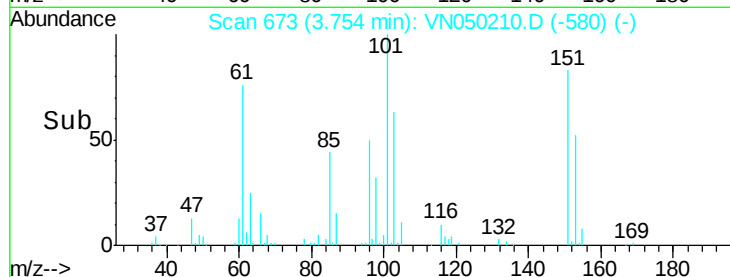
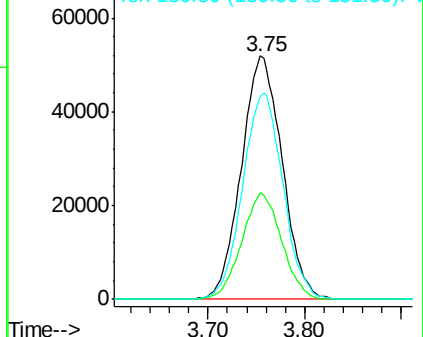
151 83.6 66.3 99.5



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: 6.62 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

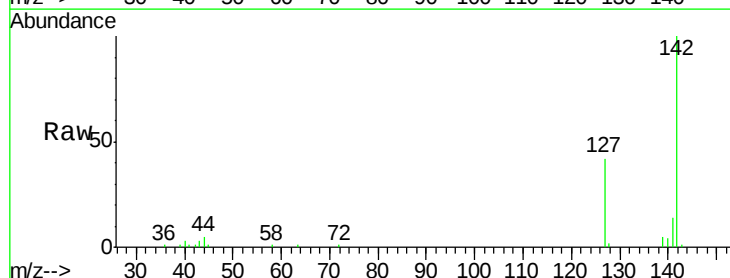
Tgt Ion:142 Resp: 69496

Ion Ratio Lower Upper

142 100

127 40.3 33.4 50.2

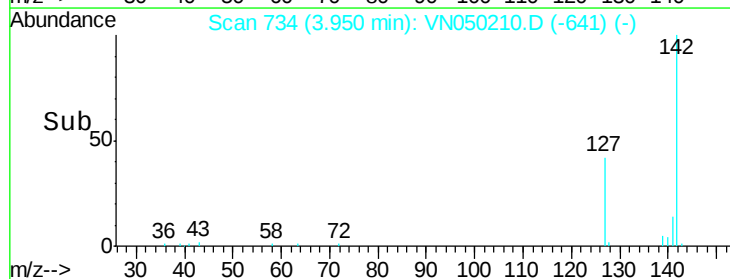
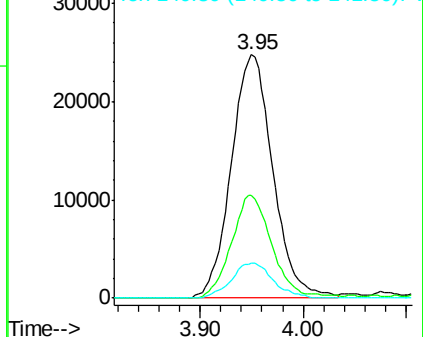
141 14.4 11.6 17.4

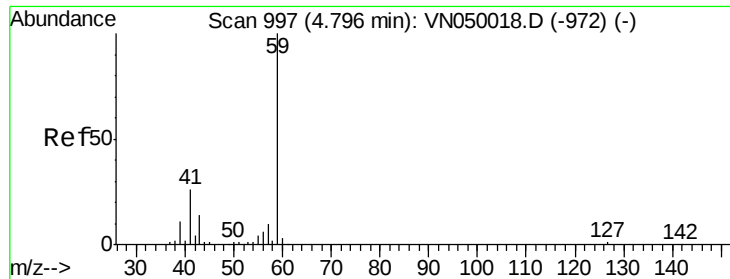


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

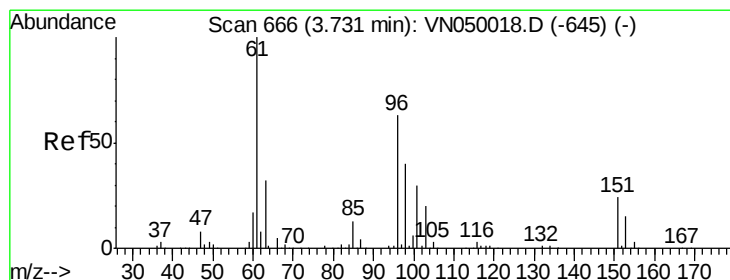
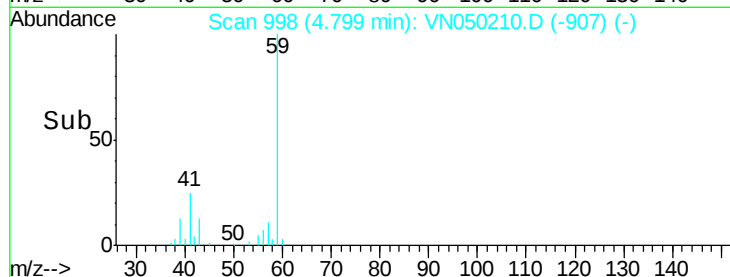
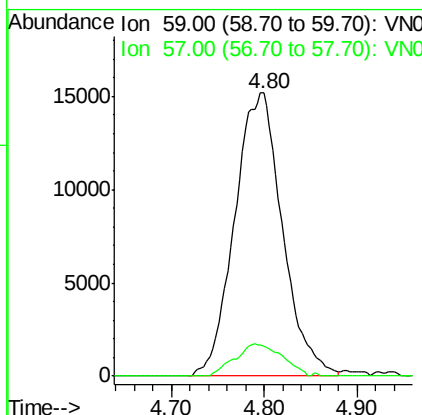
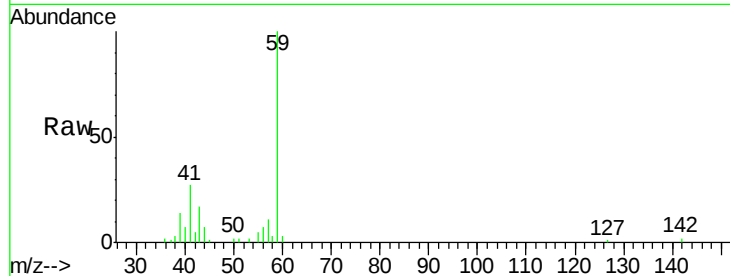




#11
Tert butyl alcohol
Concen: 83.05 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

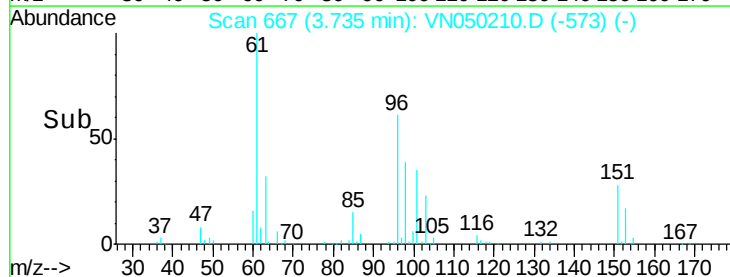
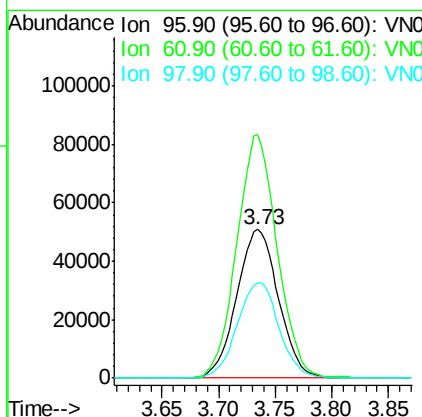
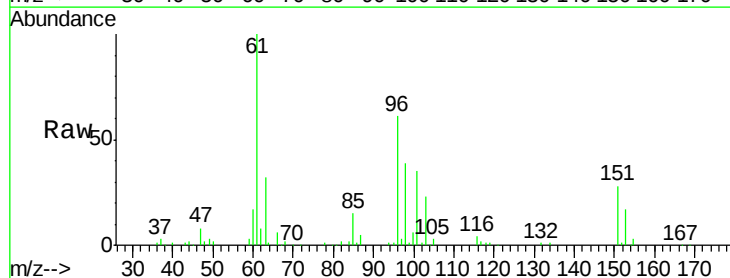
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

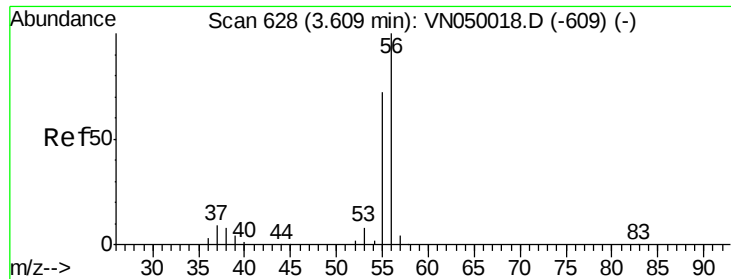
Tot Ion: 59 Resp: 54413
Ion Ratio Lower Upper
59 100
57 11.2 8.5 12.7



#12
1,1-Dichloroethene
Concen: 17.68 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 96 Resp: 130032
Ion Ratio Lower Upper
96 100
61 163.7 124.4 186.6
98 64.2 48.3 72.5





#13

Acrolein

Concen: 26.29 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

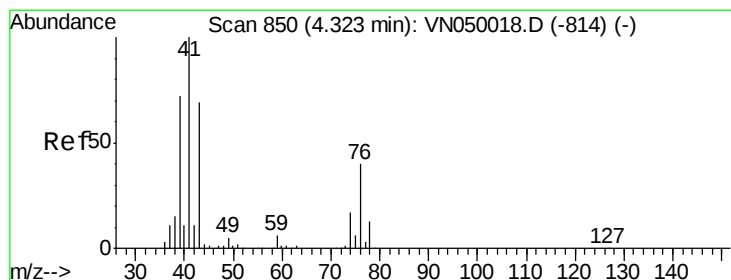
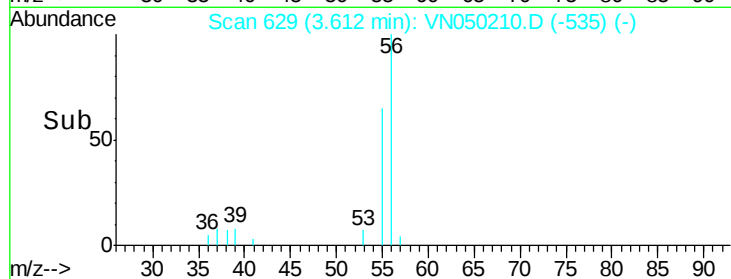
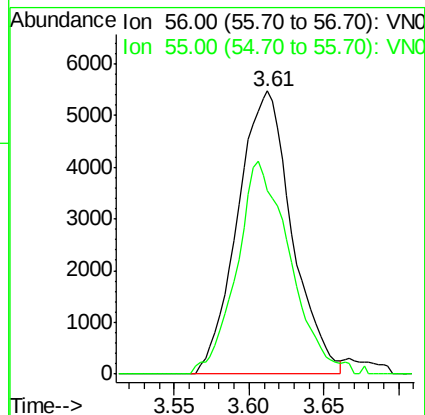
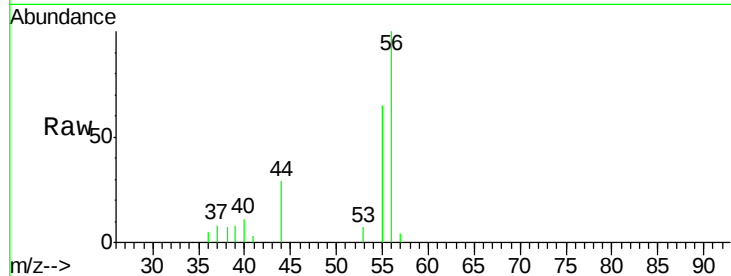
VN0731WBS02

Tot Ion: 56 Resp: 13842

Ion Ratio Lower Upper

56 100

55 73.6 55.8 83.6



#14

Allyl chloride

Concen: 18.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

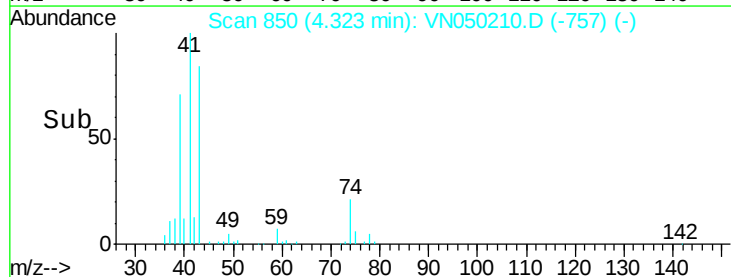
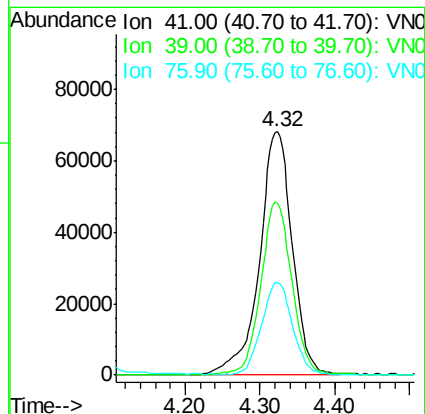
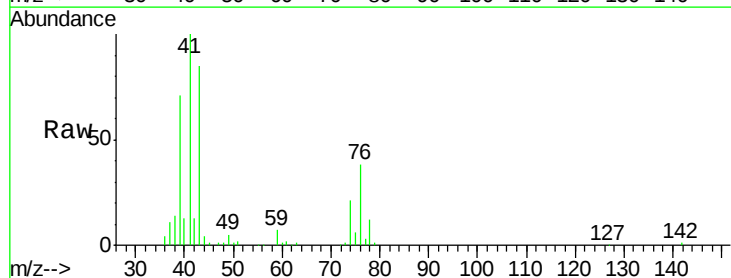
Tgt Ion: 41 Resp: 208479

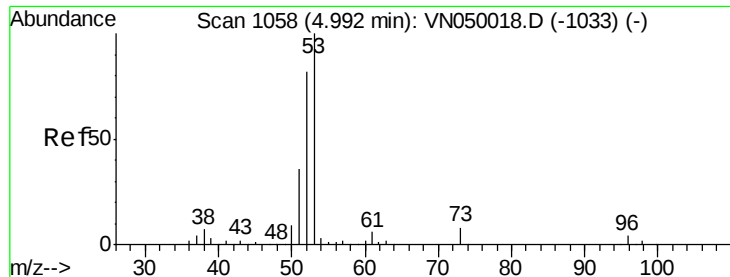
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

76 35.2 29.0 43.6





#15

Acrylonitrile

Concen: 87.49 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

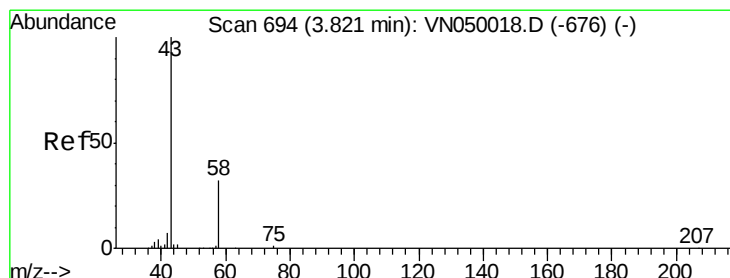
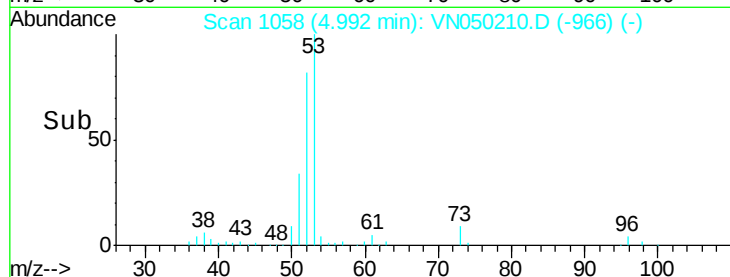
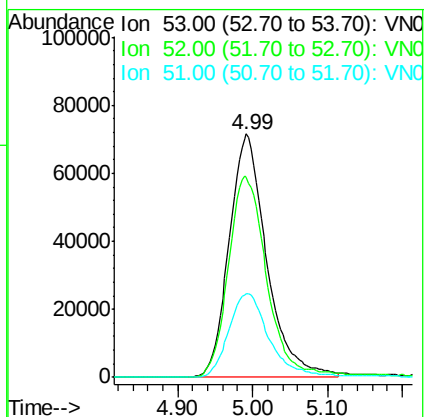
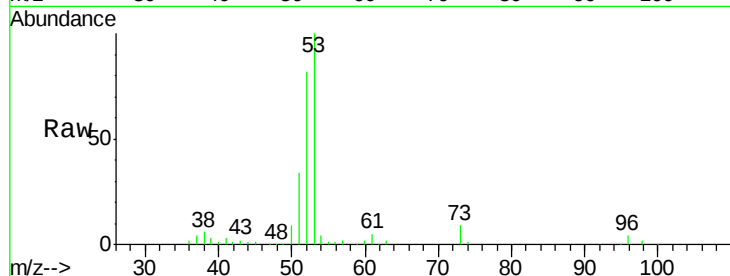
Tot Ion: 53 Resp: 250097

Ion Ratio Lower Upper

53 100

52 84.3 66.2 99.2

51 36.9 29.3 43.9



#16

Acetone

Concen: 96.50 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050210.D

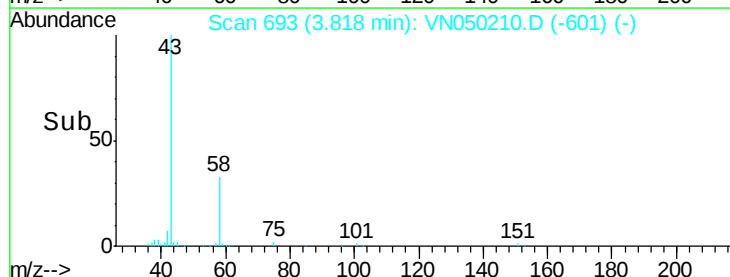
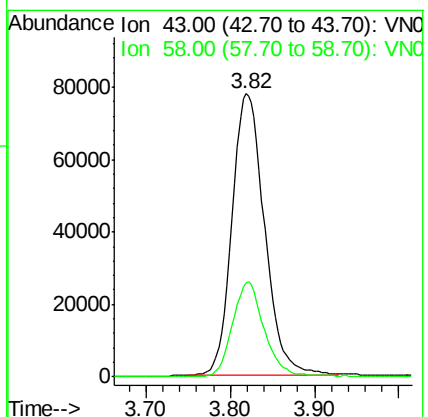
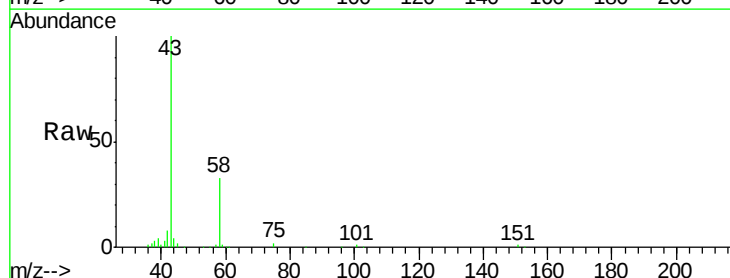
Acq: 31 Jul 2018 13:13

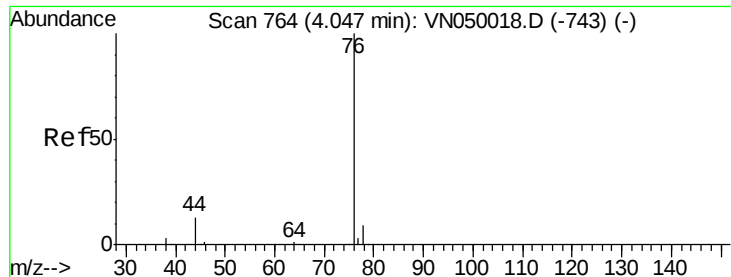
Tgt Ion: 43 Resp: 208000

Ion Ratio Lower Upper

43 100

58 33.2 25.8 38.8

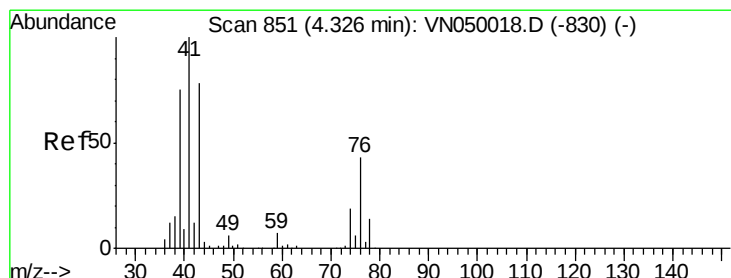
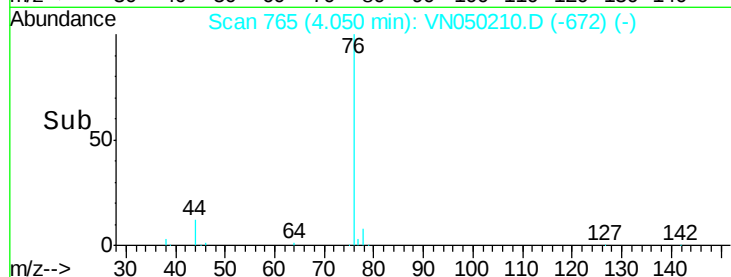
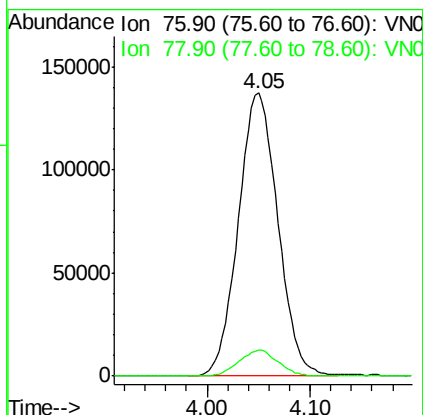
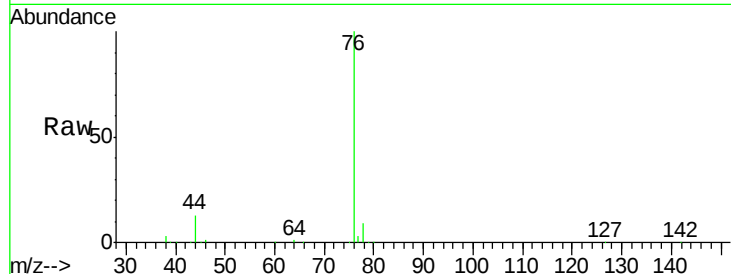




#17
Carbon Disulfide
Concen: 16.25 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

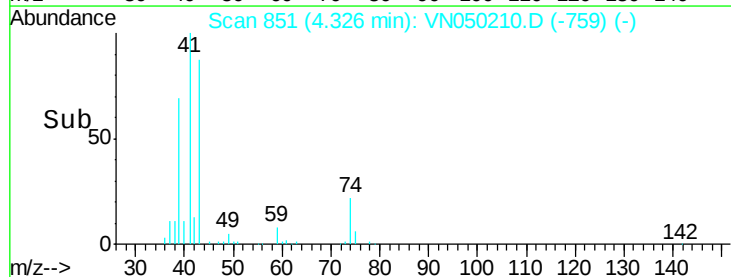
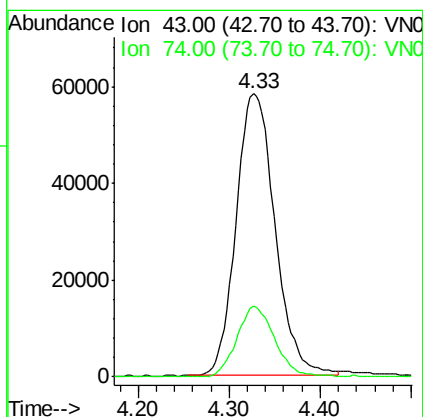
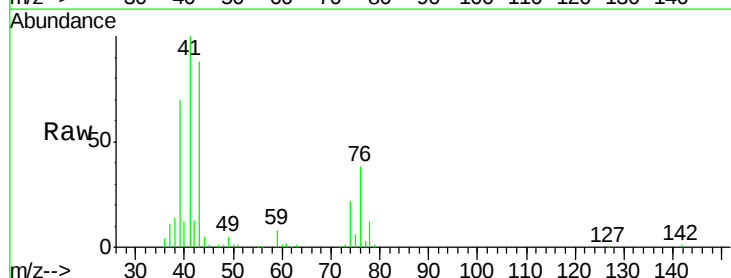
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

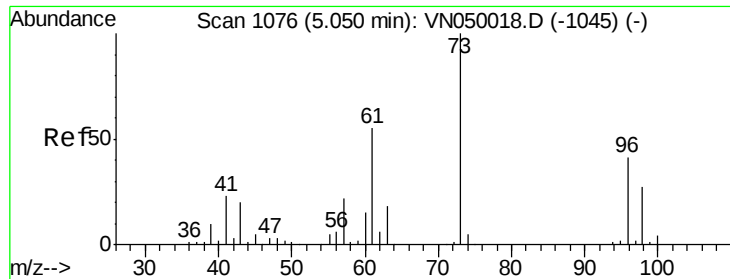
Tot Ion: 76 Resp: 366119
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 20.35 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 43 Resp: 173897
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

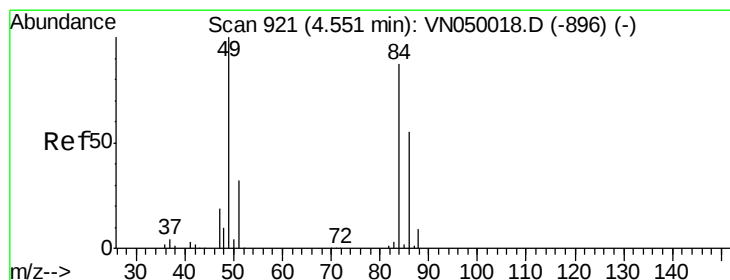
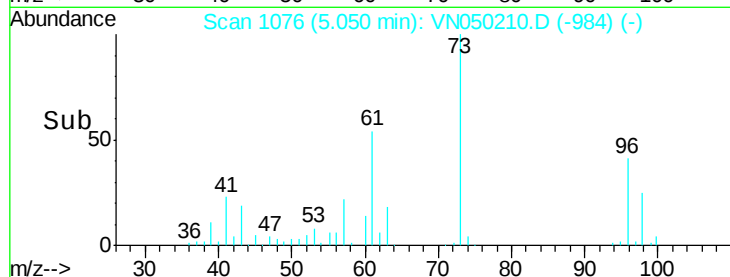
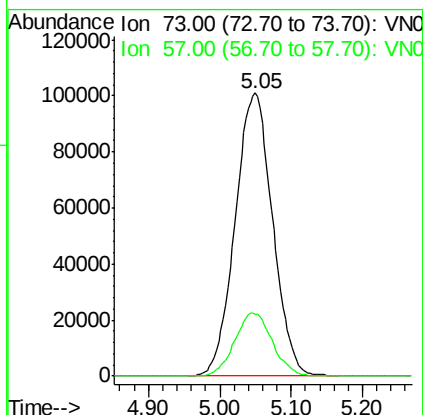
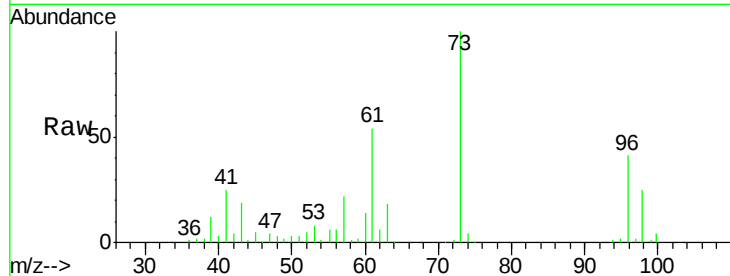




#19
Methyl tert-butyl Ether
Concen: 18.79 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

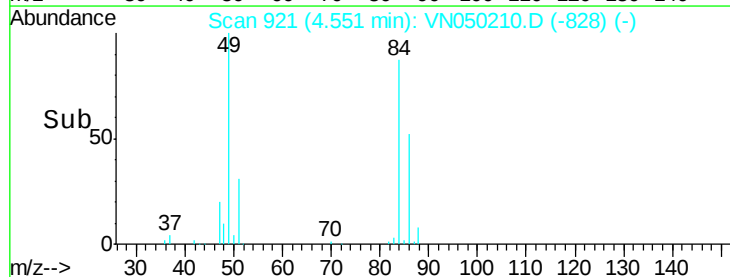
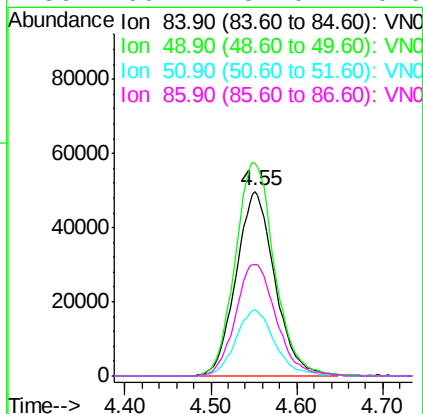
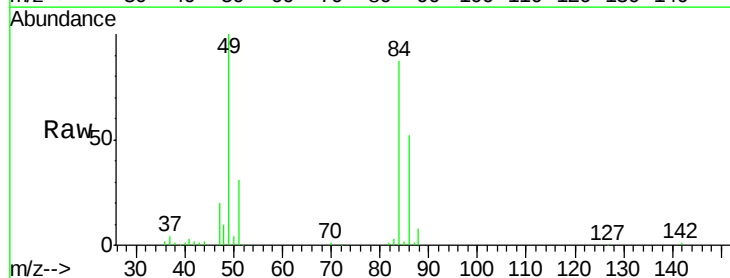
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

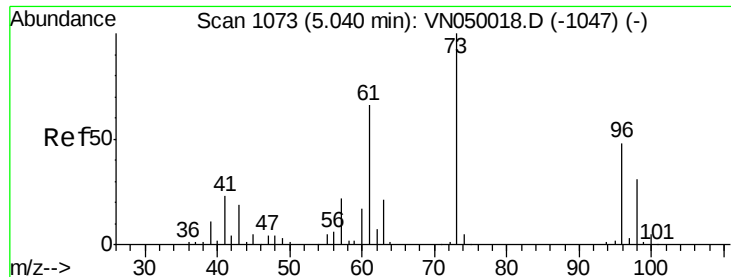
Tot Ion: 73 Resp: 368244
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0



#20
Methylene Chloride
Concen: 18.98 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 84 Resp: 156014
Ion Ratio Lower Upper
84 100
49 115.1 94.8 142.2
51 35.9 28.3 42.5
86 60.2 51.0 76.6

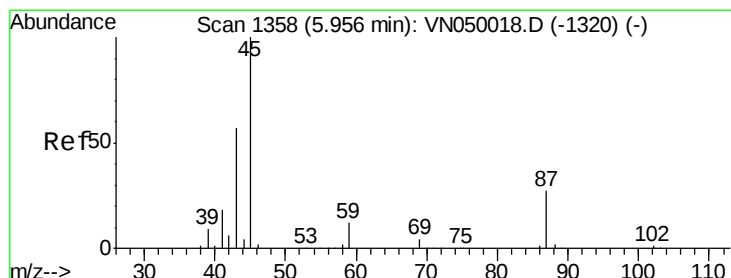
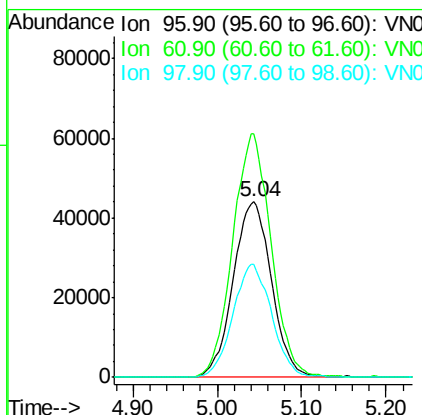
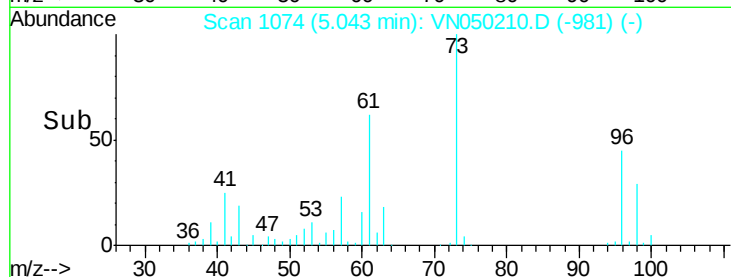
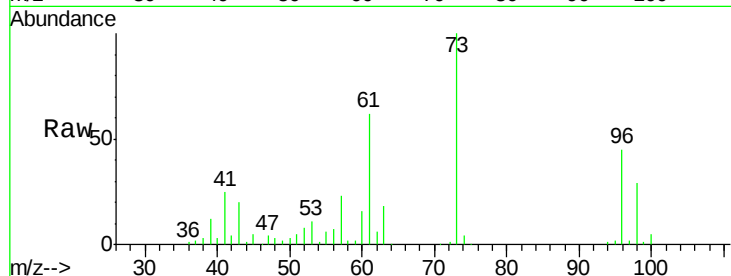




#21
trans-1,2-Dichloroethene
Concen: 17.88 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

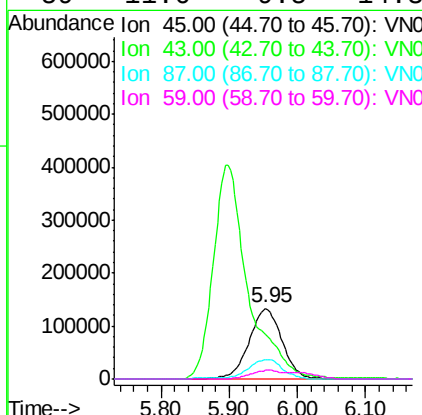
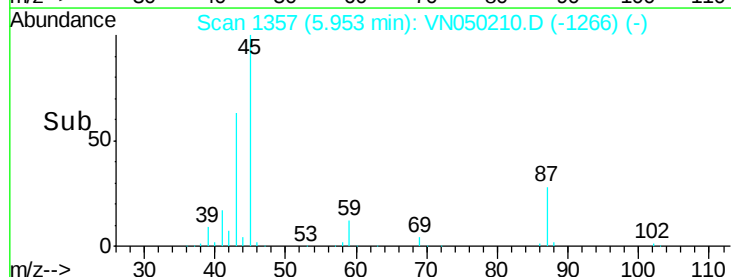
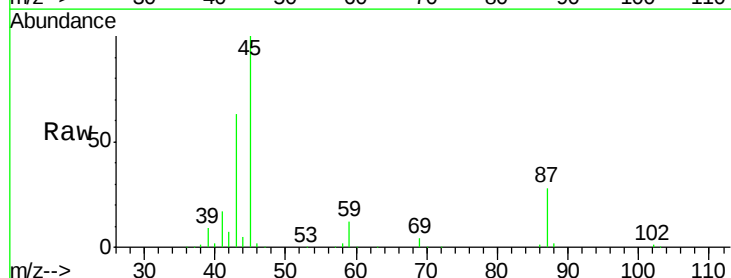
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

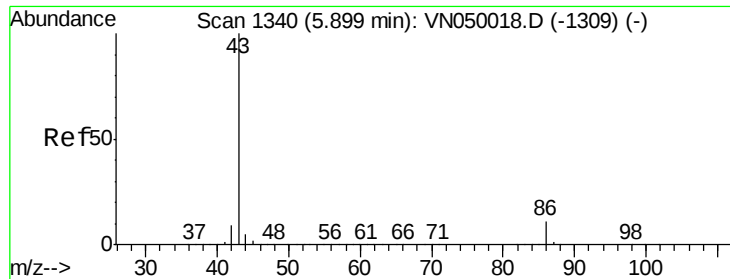
Tot Ion: 96 Resp: 139402
Ion Ratio Lower Upper
96 100
61 138.6 110.7 166.1
98 64.2 51.6 77.4



#22
Diisopropyl ether
Concen: 19.78 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 45 Resp: 447411
Ion Ratio Lower Upper
45 100
43 61.5 45.7 68.5
87 27.4 22.7 34.1
59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 89.43 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

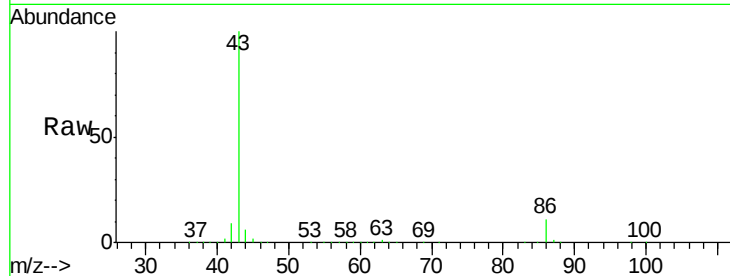
VN0731WBS02

Tot Ion: 43 Resp: 1429254

Ion Ratio Lower Upper

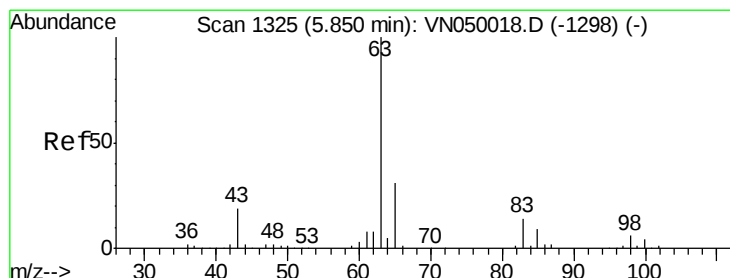
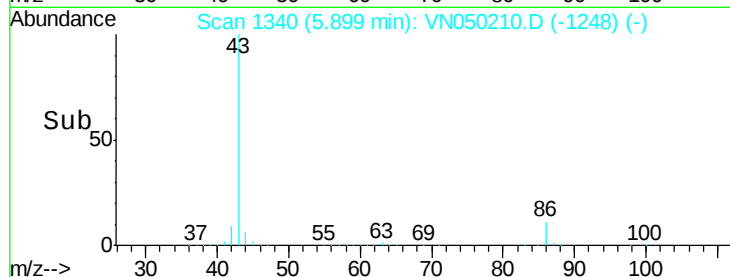
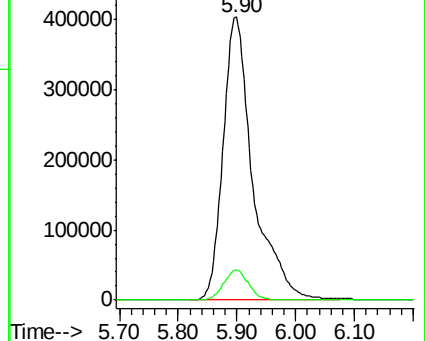
43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.50 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

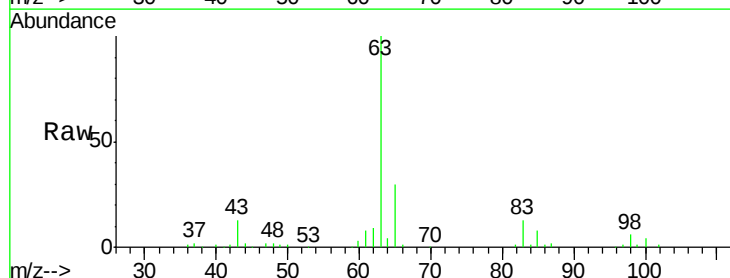
Tgt Ion: 63 Resp: 273568

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

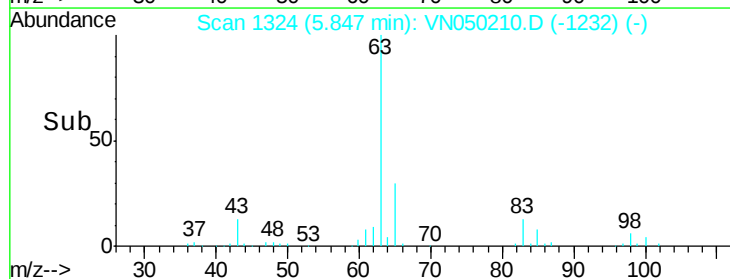
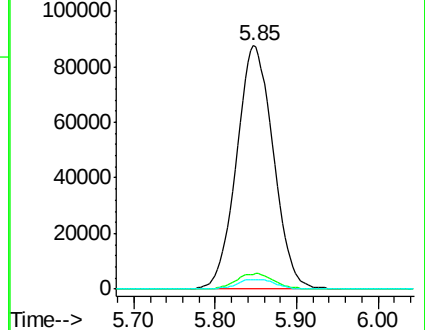
100 3.9 2.1 6.3

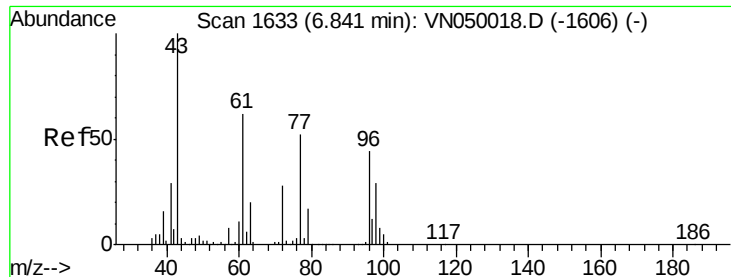


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 89.54 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

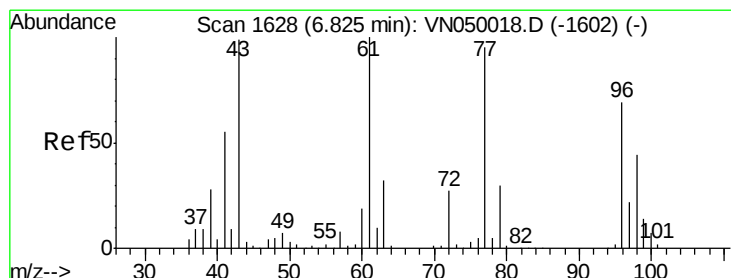
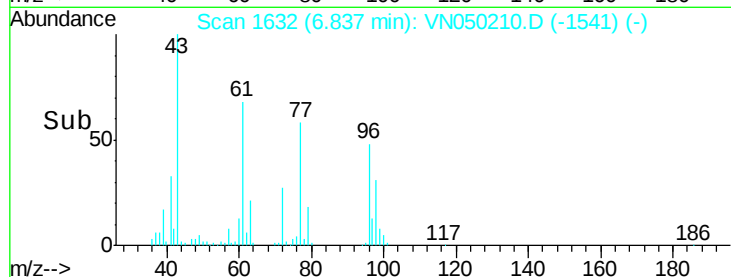
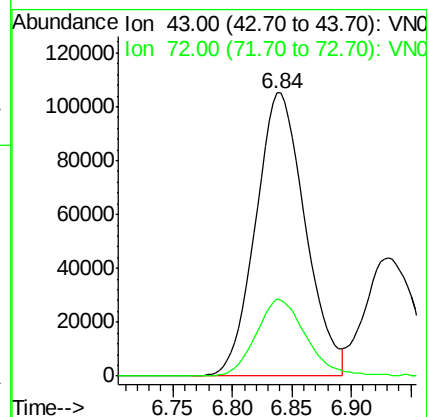
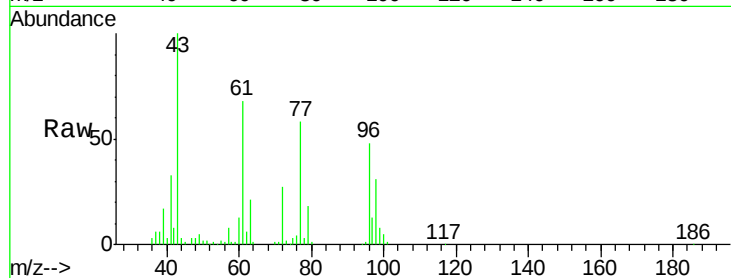
VN0731WBS02

Tot Ion: 43 Resp: 304124

Ion Ratio Lower Upper

43 100

72 27.2 21.5 32.3



#26

2,2-Dichloropropane

Concen: 20.20 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050210.D

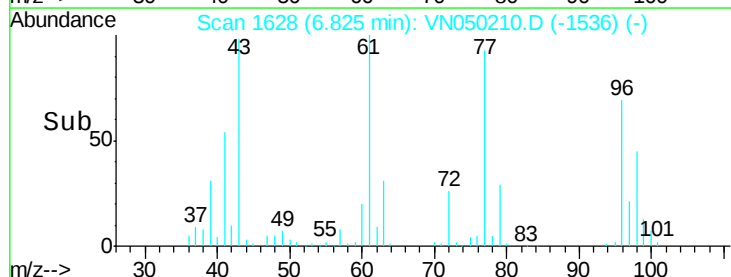
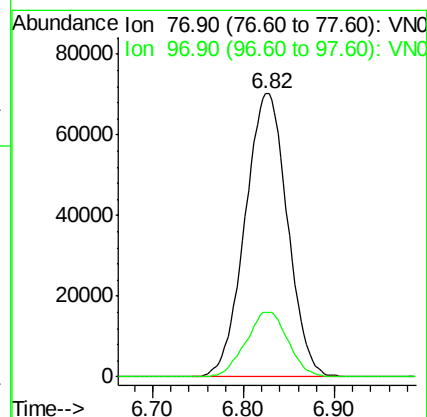
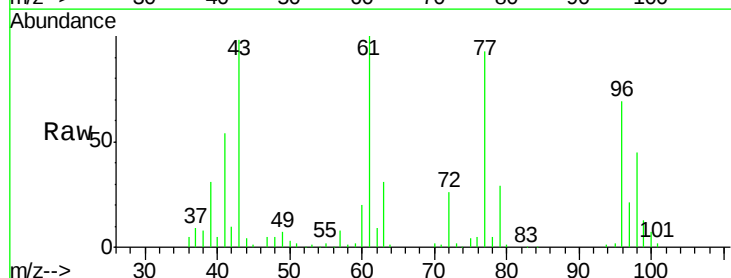
Acq: 31 Jul 2018 13:13

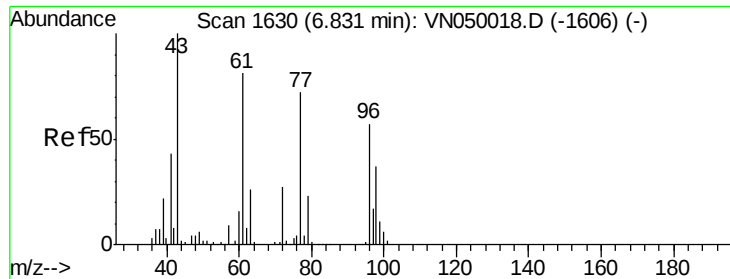
Tgt Ion: 77 Resp: 227216

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3

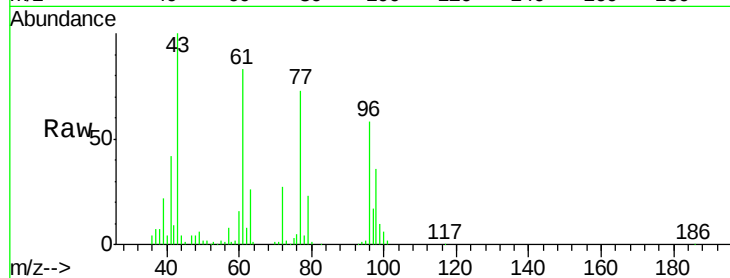




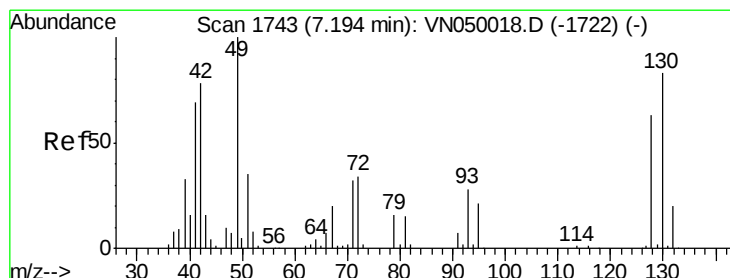
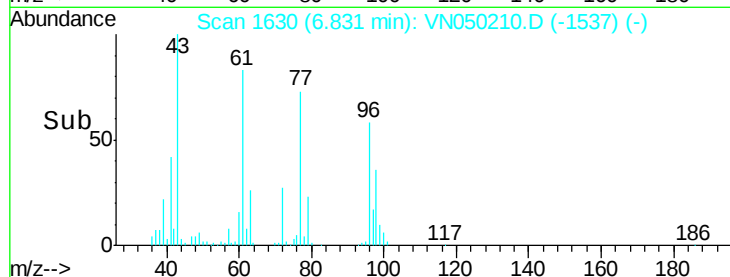
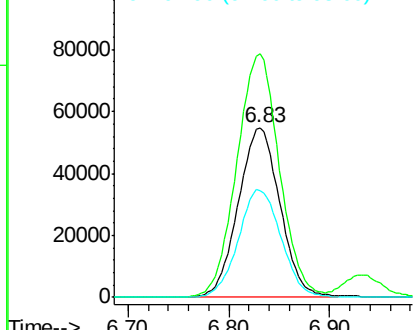
#27
 cis-1,2-Dichloroethene
 Concen: 18.80 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

Tot Ion: 96 Resp: 157767
 Ion Ratio Lower Upper
 96 100
 61 145.8 0.0 285.0
 98 64.9 0.0 129.2

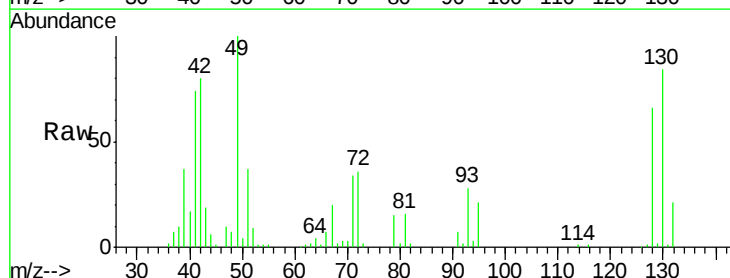


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

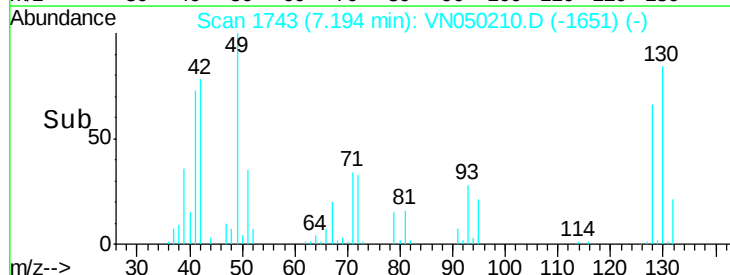
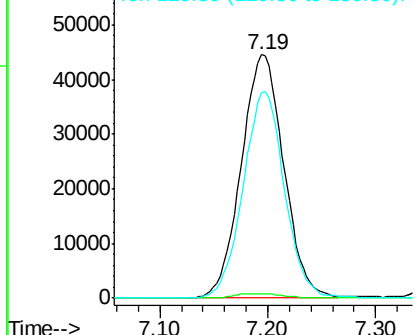


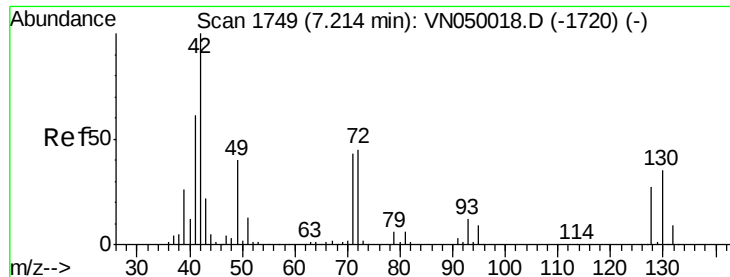
#28
 Bromochloromethane
 Concen: 18.11 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion: 49 Resp: 122187
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 82.4 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 85.91 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

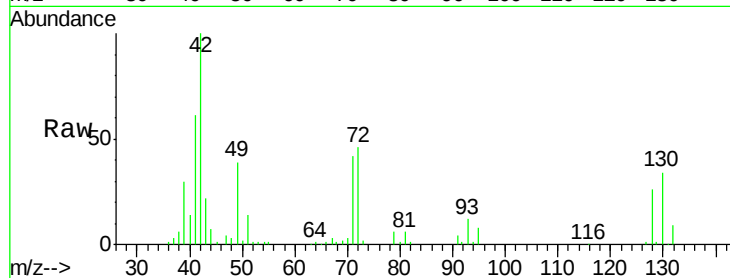
Tot Ion: 42 Resp: 188545

Ion Ratio Lower Upper

42 100

72 45.2 35.9 53.9

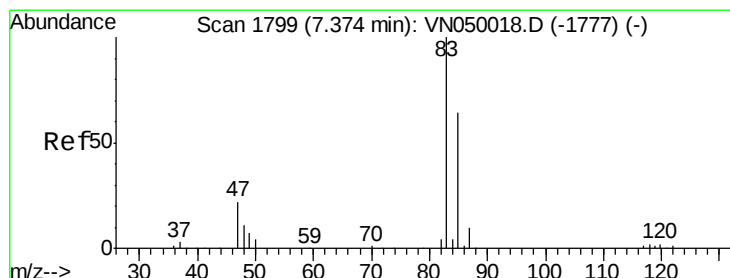
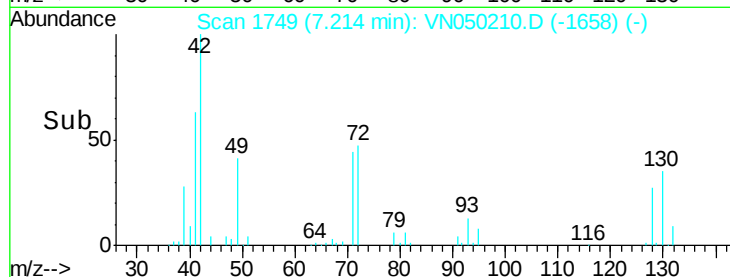
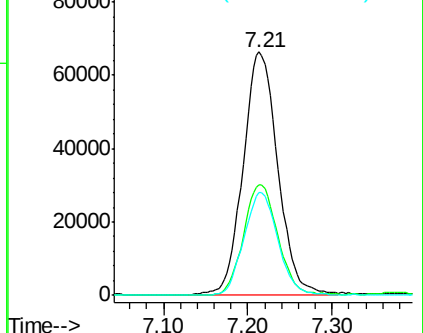
71 41.7 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.77 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050210.D

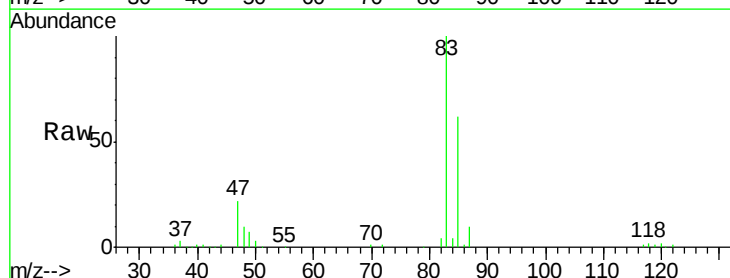
Acq: 31 Jul 2018 13:13

Tgt Ion: 83 Resp: 283283

Ion Ratio Lower Upper

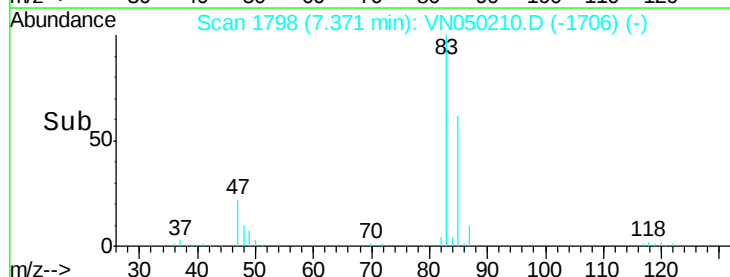
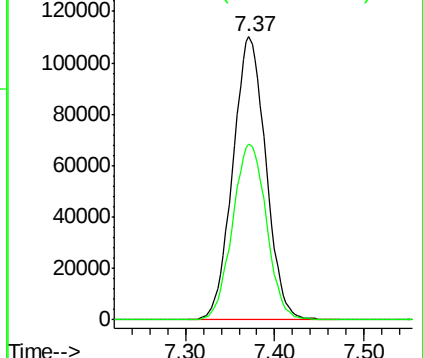
83 100

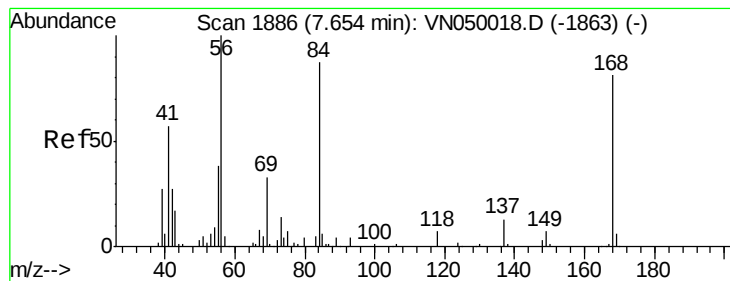
85 62.0 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.21 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

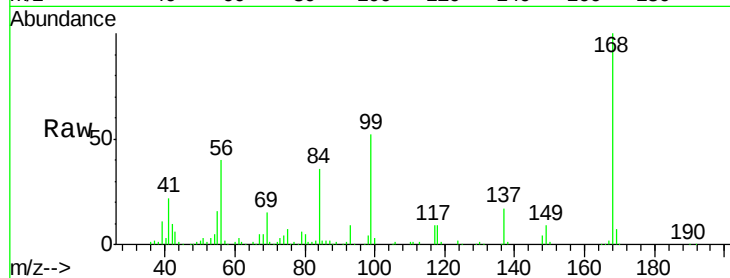
Tot Ion: 56 Resp: 223881

Ion Ratio Lower Upper

56 100

69 38.3 26.2 39.4

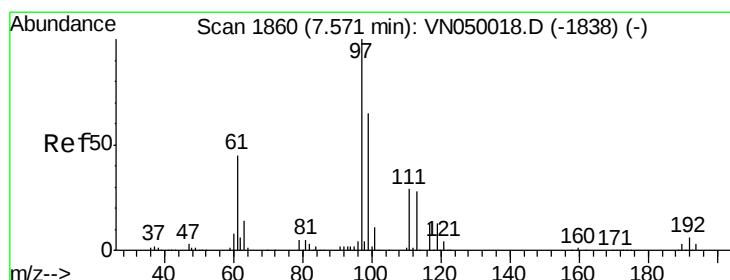
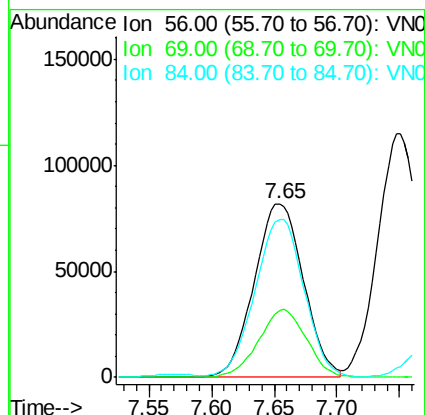
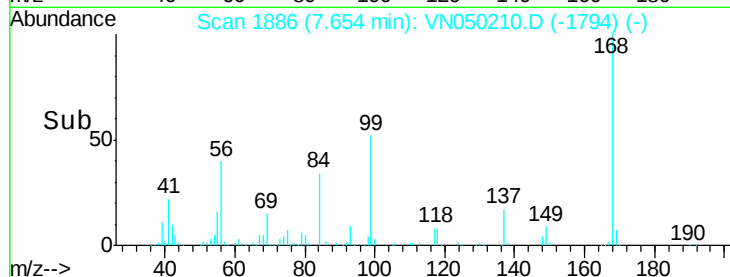
84 89.4 67.4 101.0



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: 18.33 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

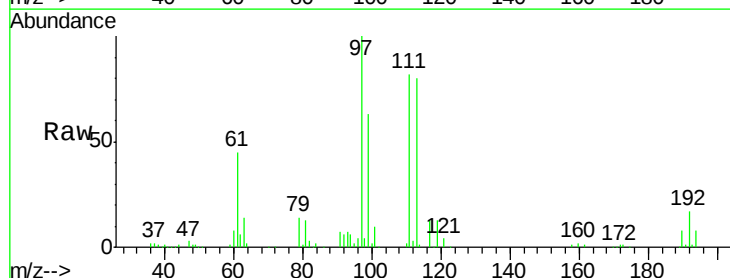
Tgt Ion: 97 Resp: 236656

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

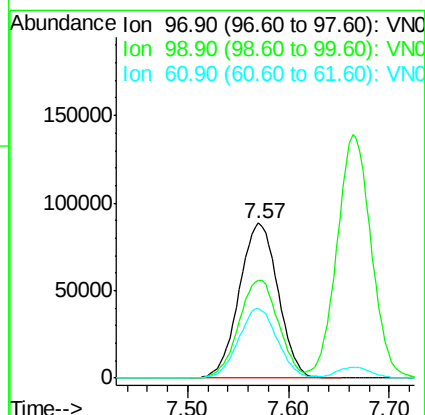
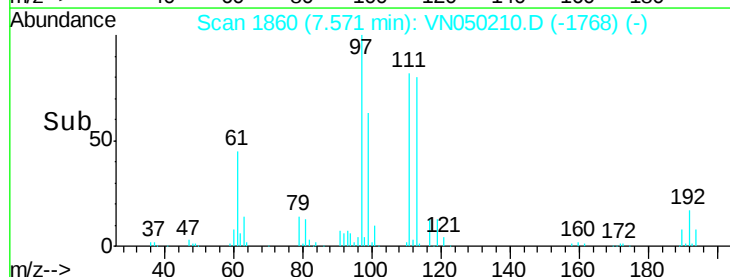
61 44.8 35.4 53.0

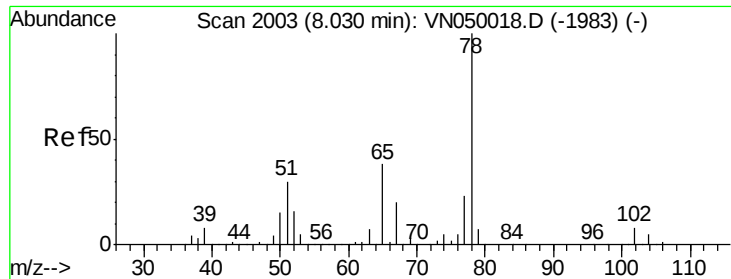


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

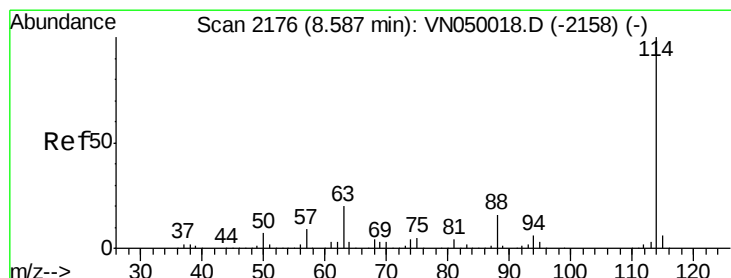
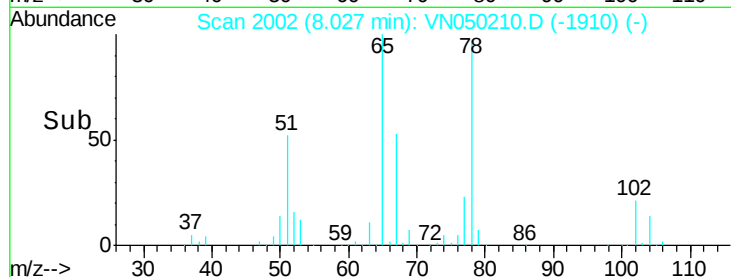
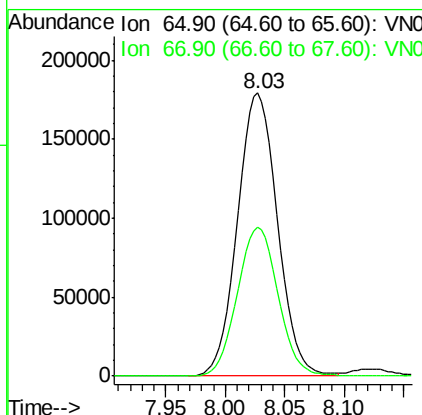
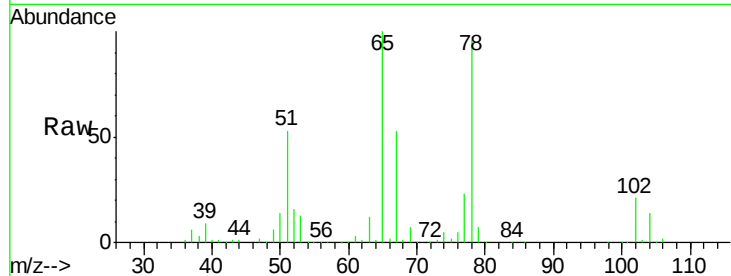




#33
 1,2-Dichloroethane-d4
 Concen: 46.99 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

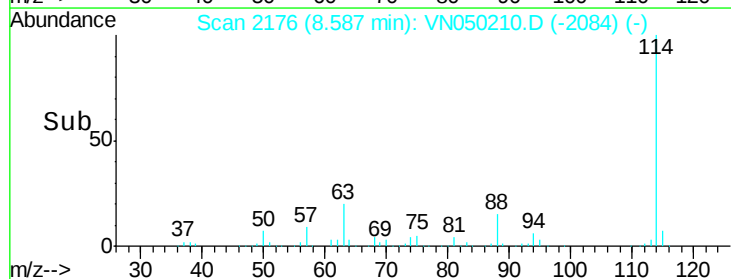
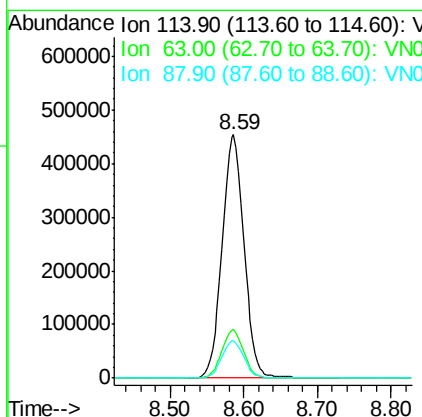
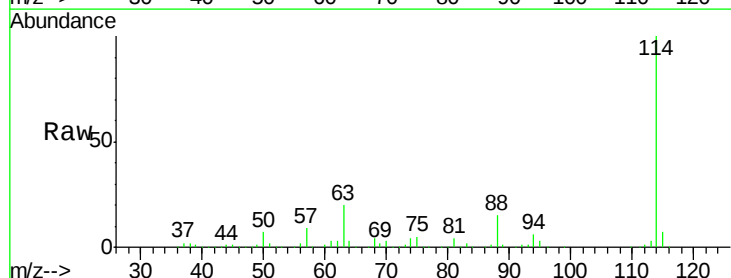
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

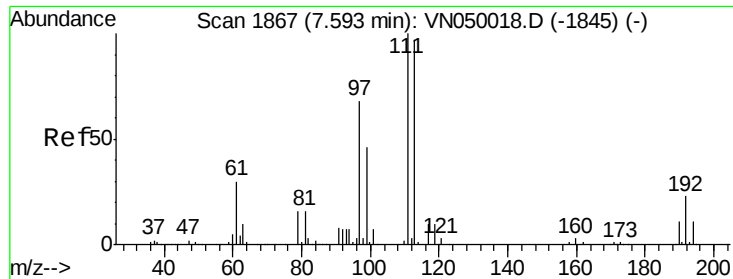
Tot Ion: 65 Resp: 418388
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion: 114 Resp: 937194
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.5 0.0 31.2

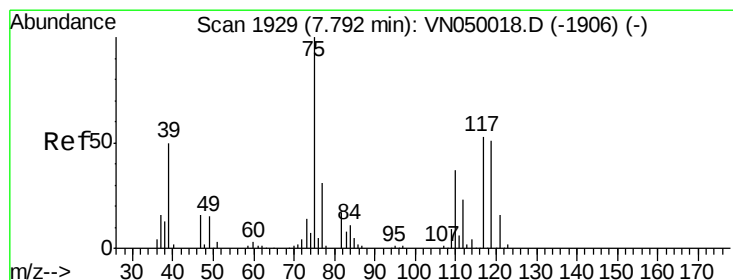
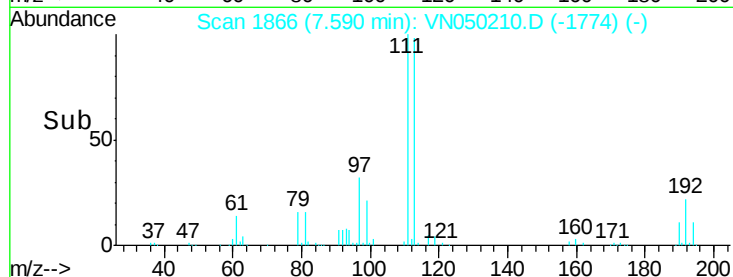
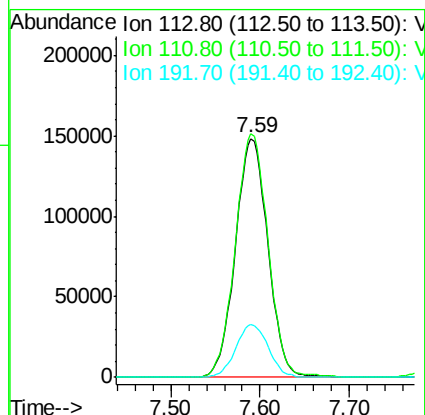
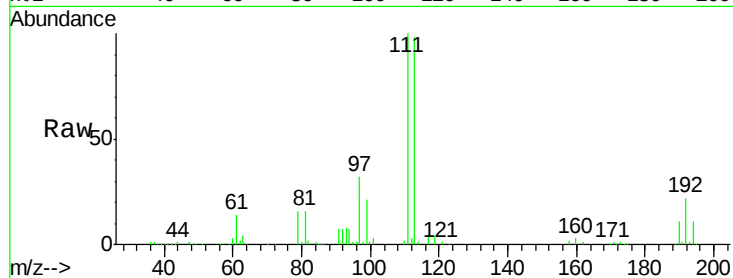




#35
 Dibromofluoromethane
 Concen: 48.92 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

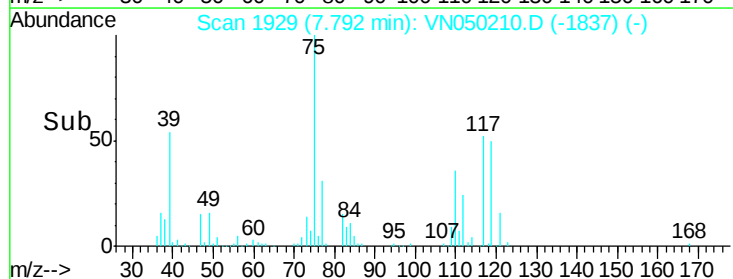
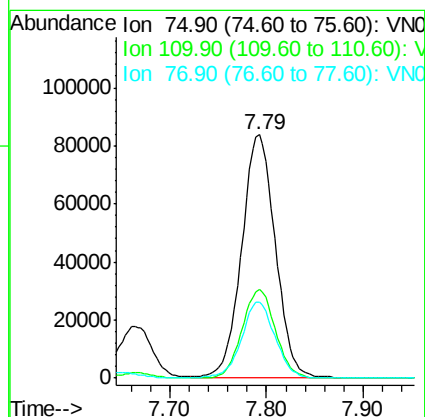
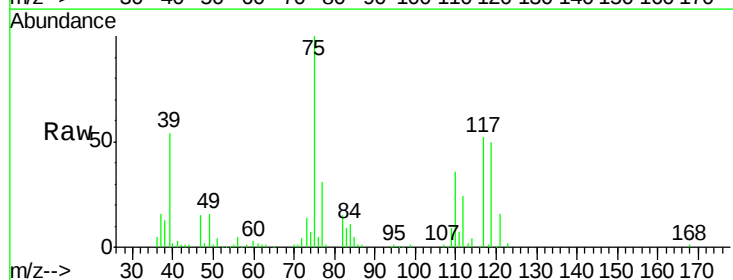
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

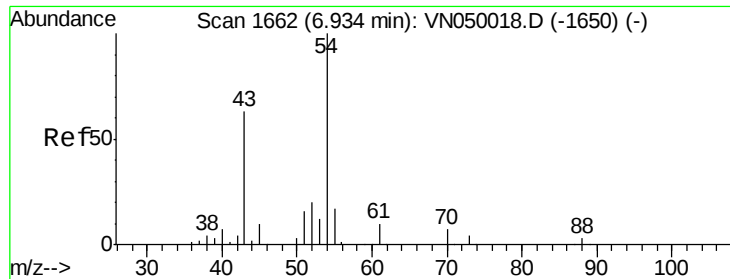
Tot Ion:113 Resp: 374317
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.15 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion: 75 Resp: 202154
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.4 55.2
 77 31.3 25.3 37.9

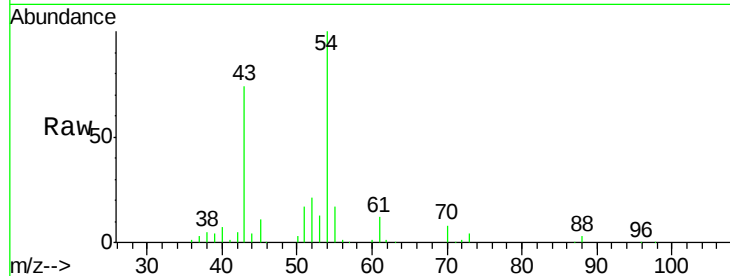




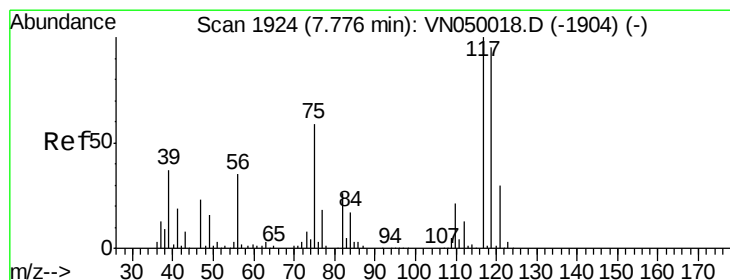
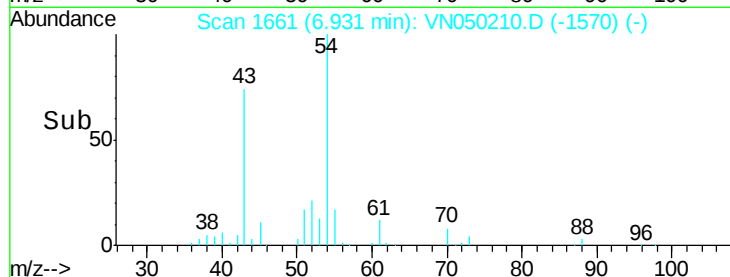
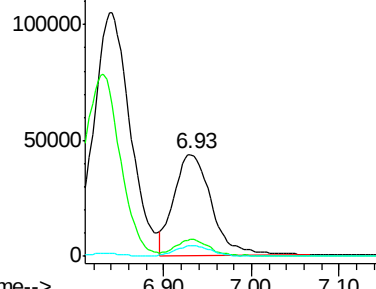
#37
Ethyl Acetate
Concen: 17.70 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion: 43 Resp: 130273
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.8
70 10.4 8.4 12.6

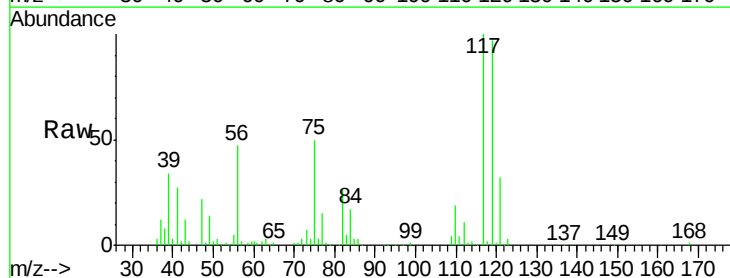


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

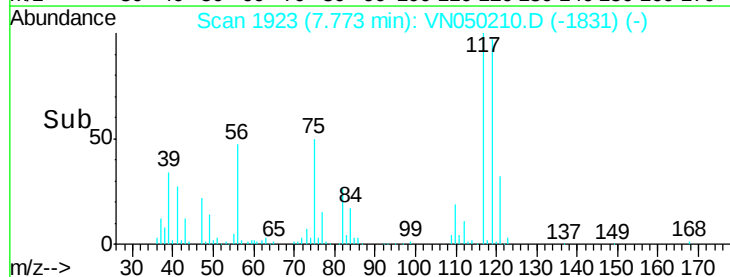
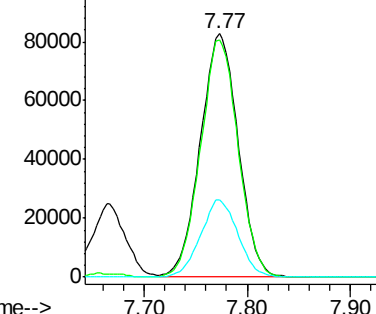


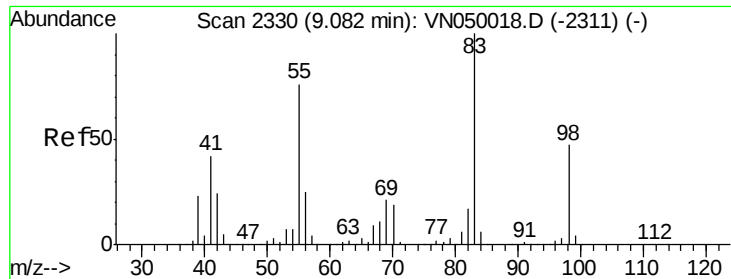
#38
Carbon Tetrachloride
Concen: 18.90 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 117 Resp: 211750
Ion Ratio Lower Upper
117 100
119 97.4 77.4 116.0
121 31.9 23.9 35.9



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

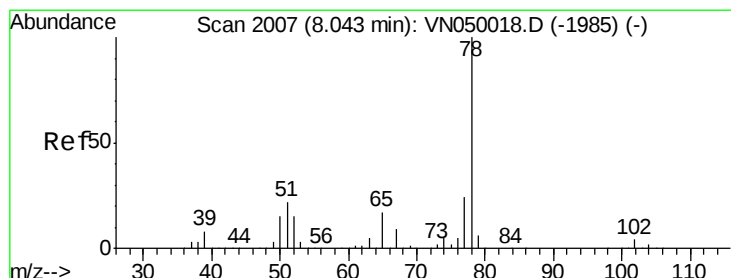
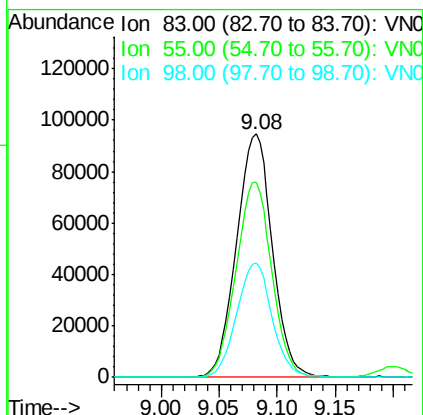
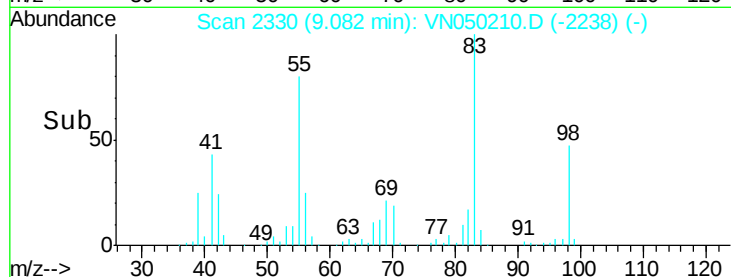
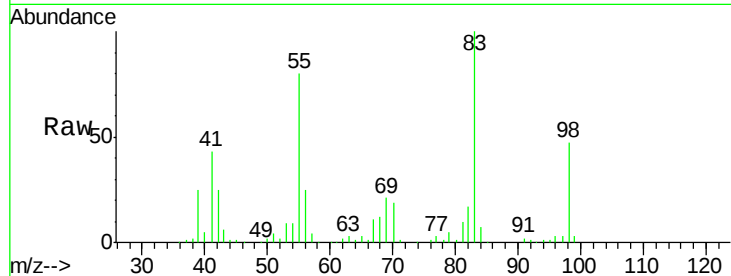




#39
Methvlcvclohexane
Concen: 18.73 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

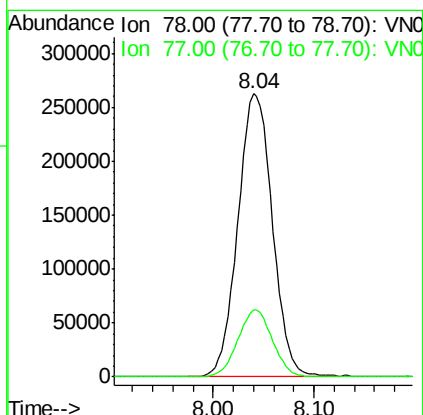
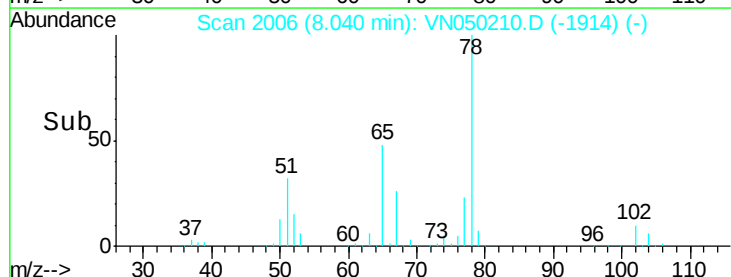
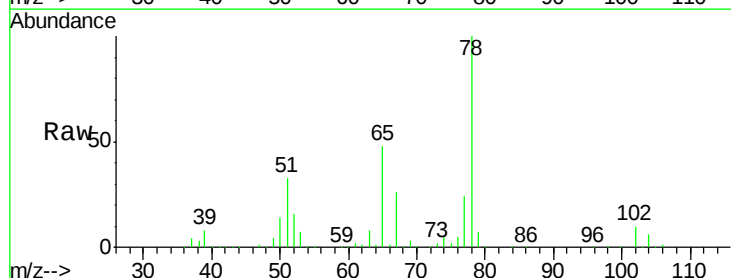
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

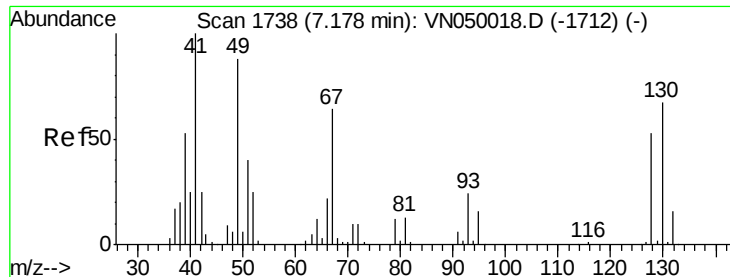
Tot Ion: 83 Resp: 203402
Ion Ratio Lower Upper
83 100
55 80.2 61.8 92.8
98 46.8 36.5 54.7



#40
Benzene
Concen: 19.37 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 78 Resp: 622336
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

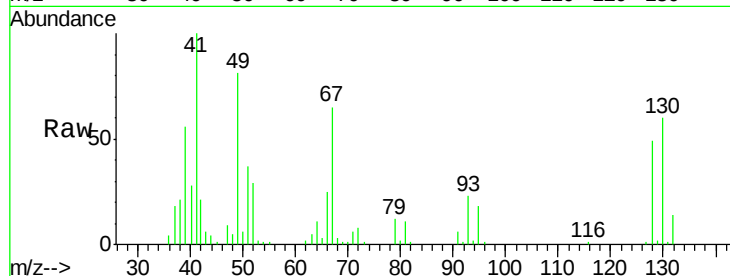




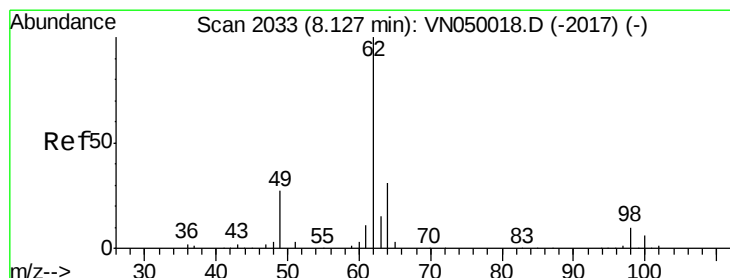
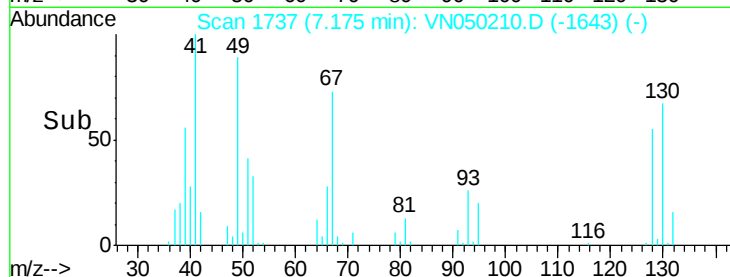
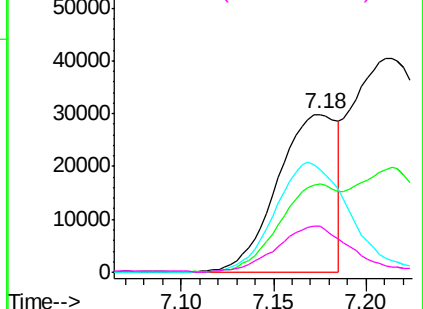
#41
Methacrylonitrile
Concen: 19.20 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion: 41 Resp: 66746
Ion Ratio Lower Upper
41 100
39 53.4 55.8 83.6#
67 88.7 84.3 126.5
52 37.3 34.2 51.2

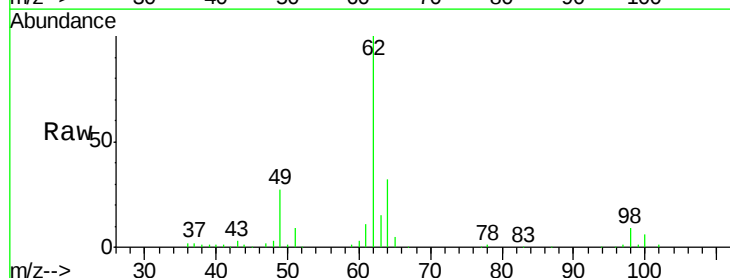


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

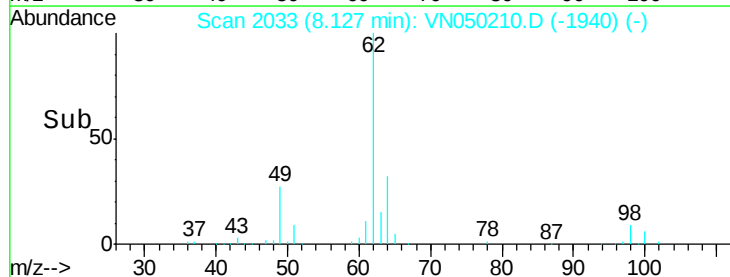
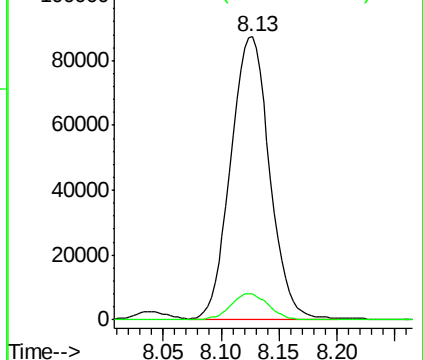


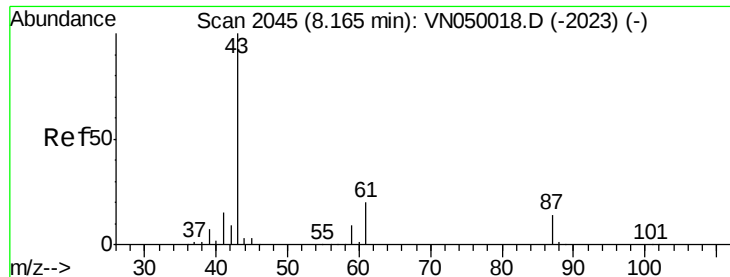
#42
1,2-Dichloroethane
Concen: 18.87 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 62 Resp: 202243
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 17.25 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

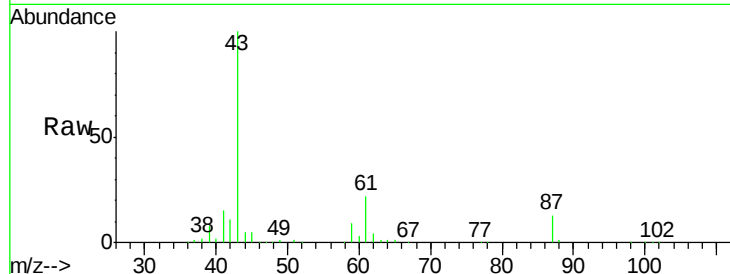
Tot Ion: 43 Resp: 249638

Ion Ratio Lower Upper

43 100

61 19.2 15.8 23.6

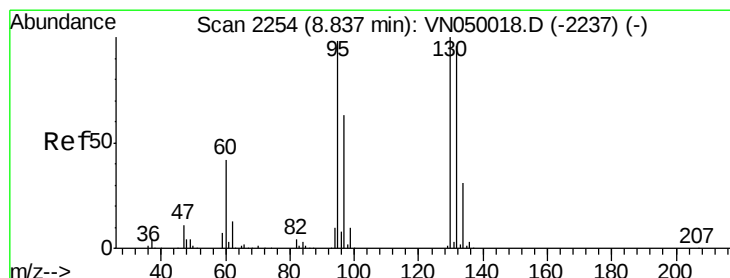
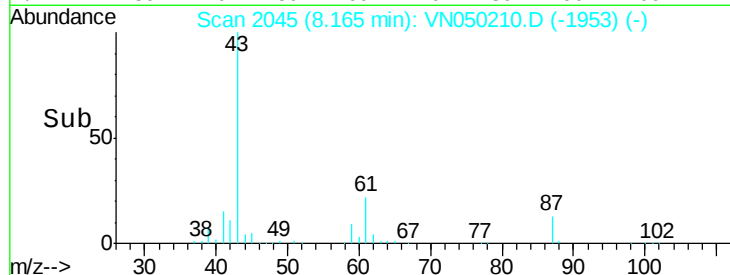
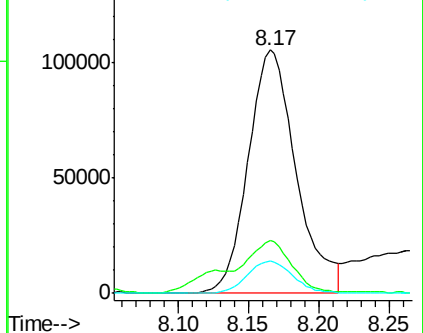
87 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.61 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050210.D

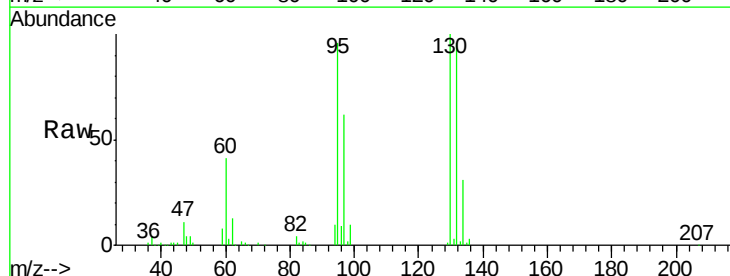
Acq: 31 Jul 2018 13:13

Tgt Ion:130 Resp: 160659

Ion Ratio Lower Upper

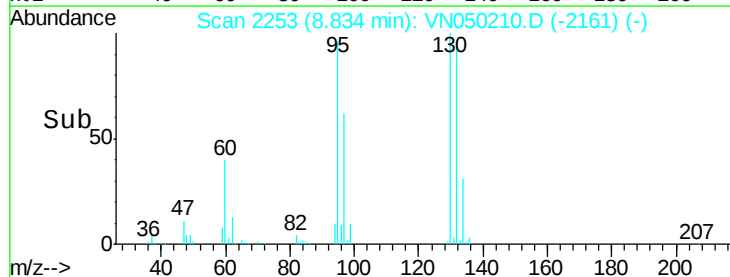
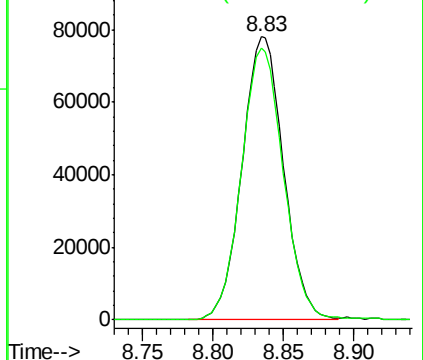
130 100

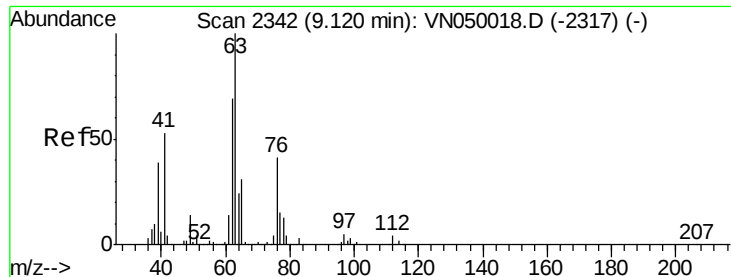
95 96.3 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.49 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

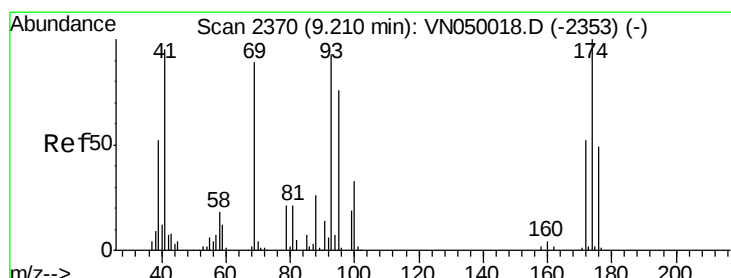
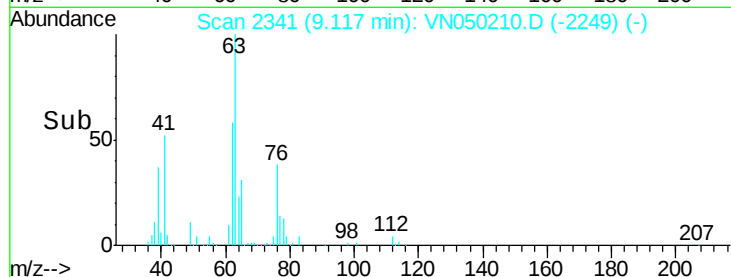
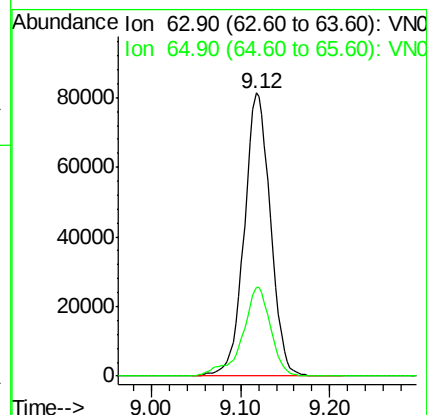
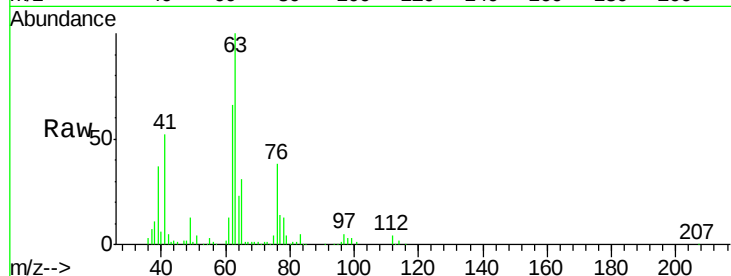
VN0731WBS02

Tot Ion: 63 Resp: 165822

Ion Ratio Lower Upper

63 100

65 31.4 25.5 38.3



#46

Dibromomethane

Concen: 19.18 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

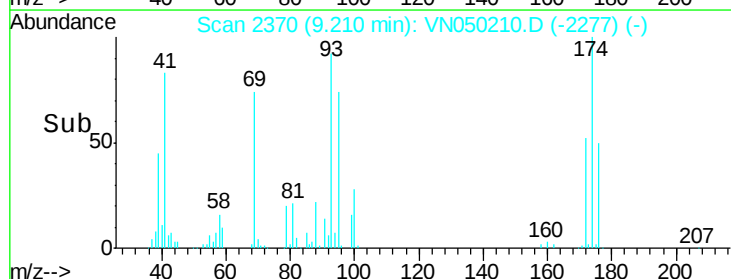
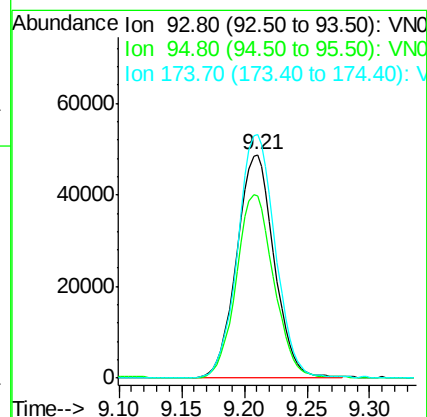
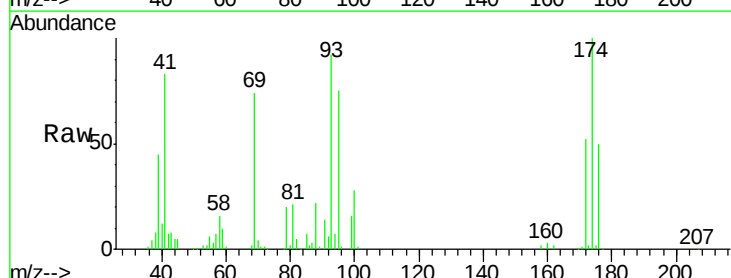
Tgt Ion: 93 Resp: 101335

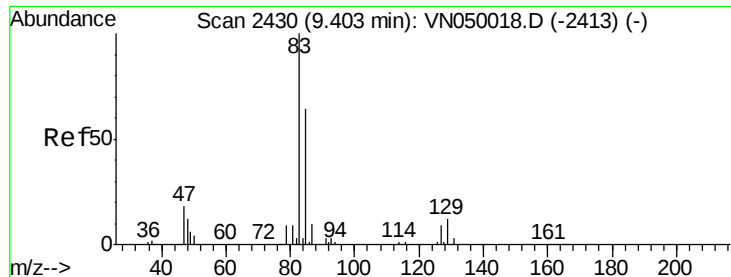
Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 109.5 87.1 130.7





#47

Bromodichloromethane

Concen: 19.01 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

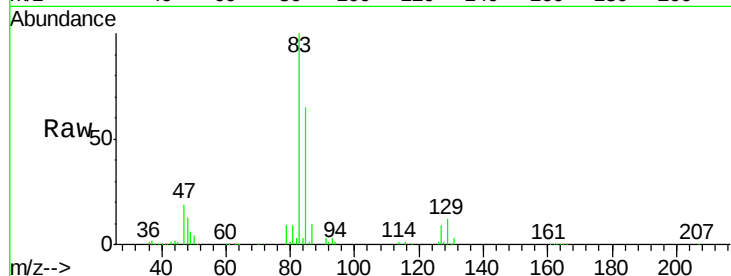
Tot Ion: 83 Resp: 212012

Ion Ratio Lower Upper

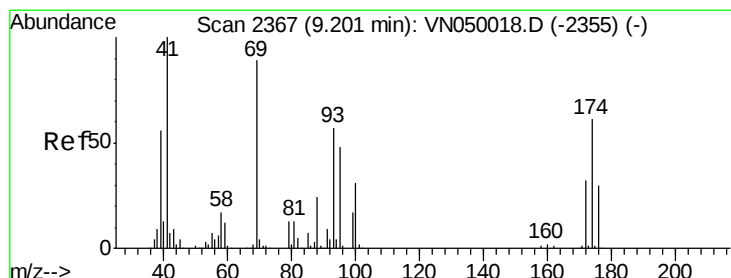
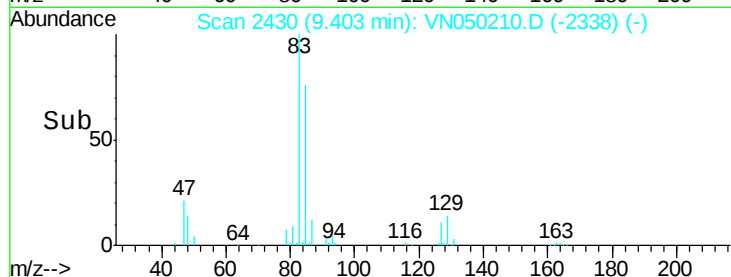
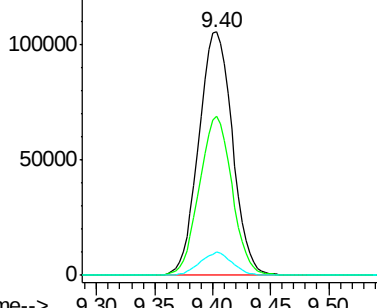
83 100

85 65.2 51.1 76.7

127 9.4 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: 18.57 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

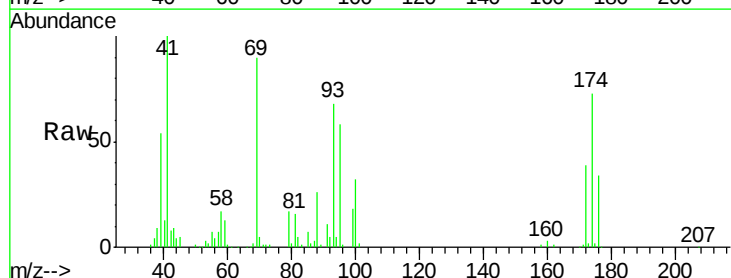
Tgt Ion: 41 Resp: 117722

Ion Ratio Lower Upper

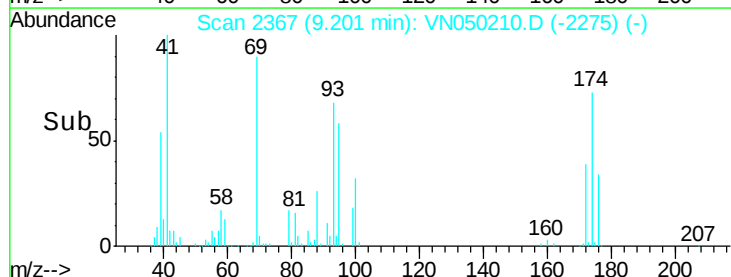
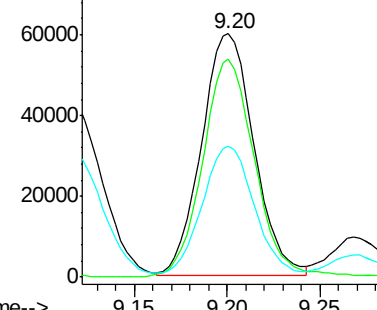
41 100

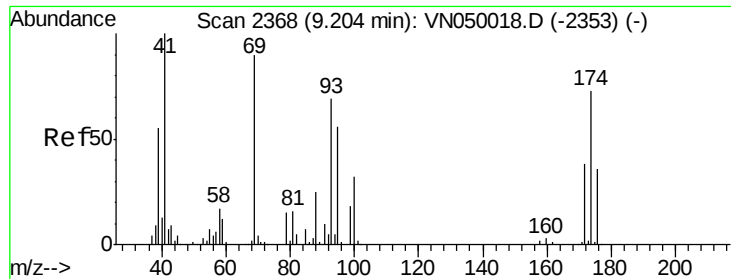
69 89.3 70.6 105.8

39 53.5 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

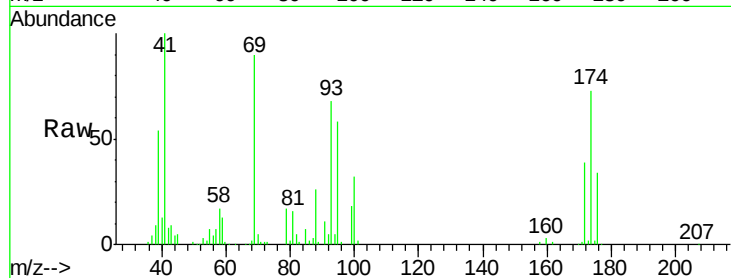




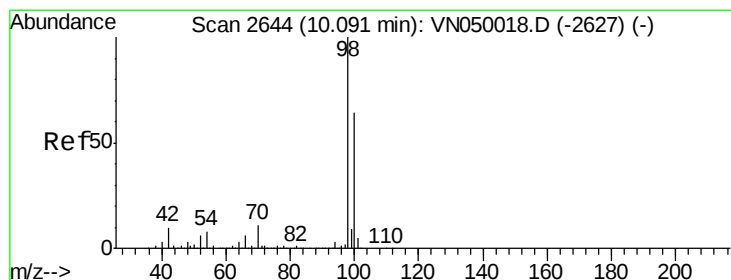
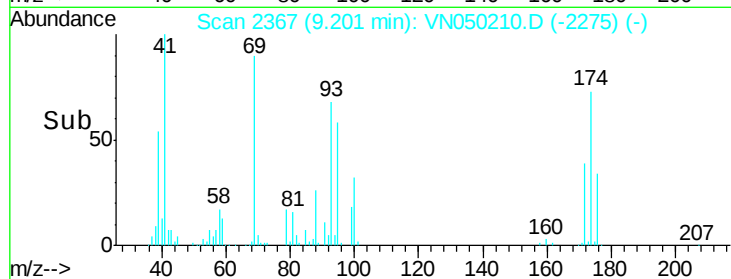
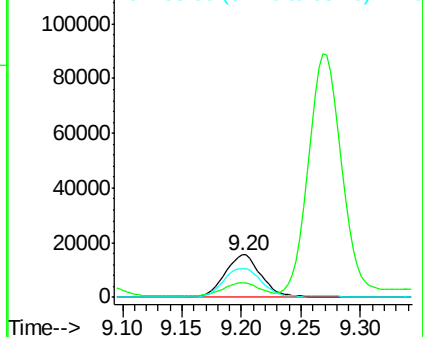
#49
1,4-Dioxane
Concen: 382.56 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion: 88 Resp: 33008
Ion Ratio Lower Upper
88 100
43 30.1 26.9 40.3
58 71.5 57.3 85.9

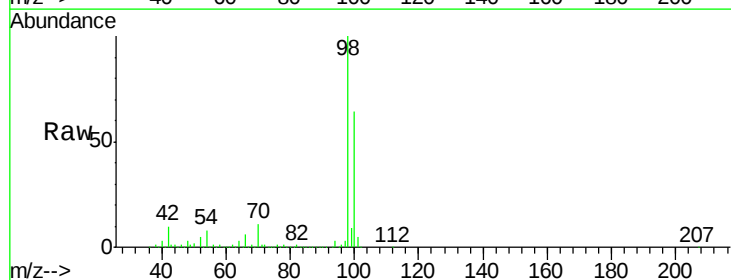


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

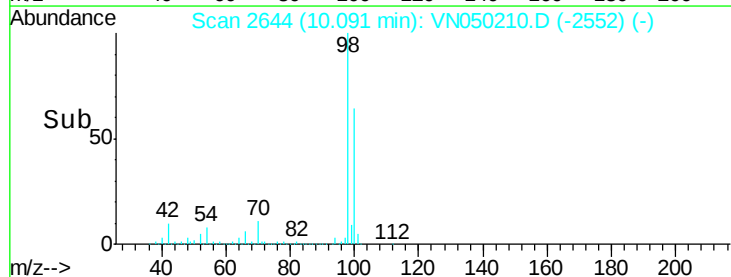
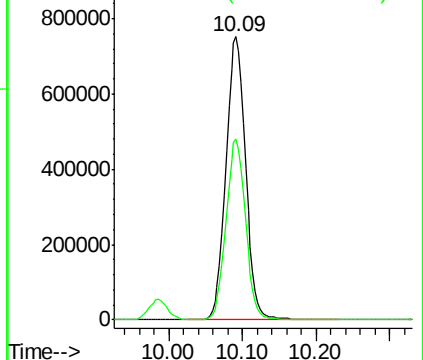


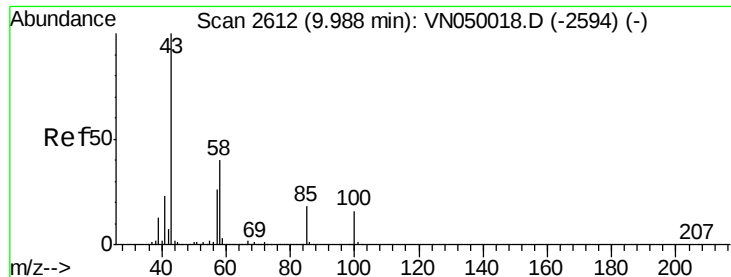
#50
Toluene-d8
Concen: 49.44 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 98 Resp: 1390956
Ion Ratio Lower Upper
98 100
100 63.2 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: 93.09 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

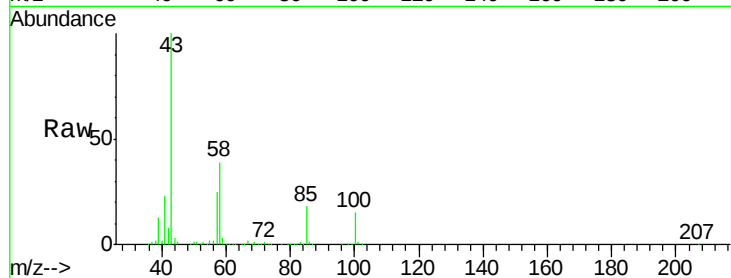
VN0731WBS02

Tot Ion: 43 Resp: 673651

Ion Ratio Lower Upper

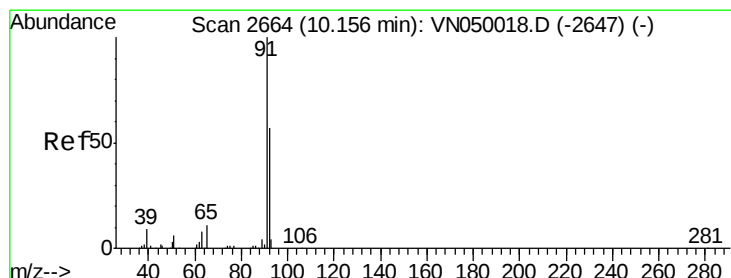
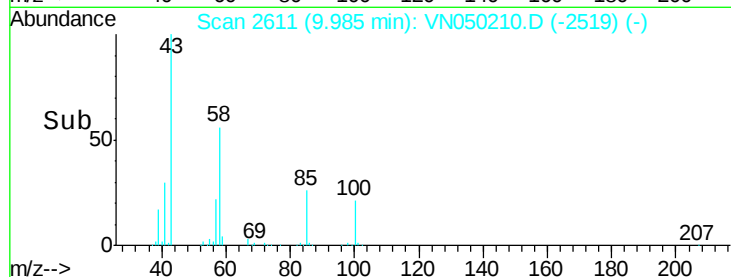
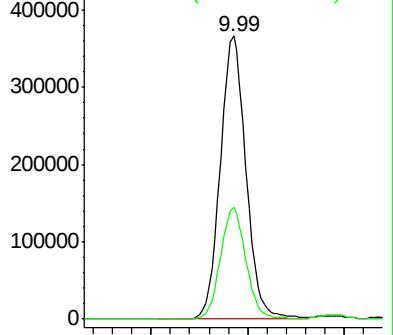
43 100

58 39.1 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.08 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050210.D

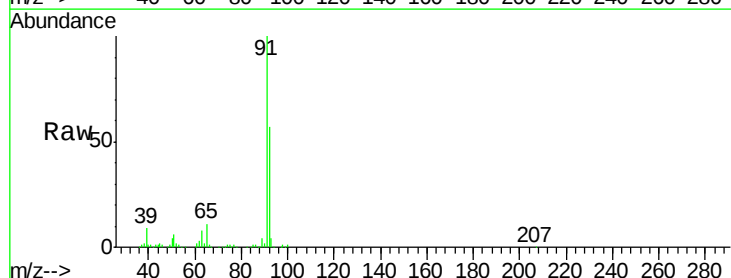
Acq: 31 Jul 2018 13:13

Tgt Ion: 92 Resp: 380805

Ion Ratio Lower Upper

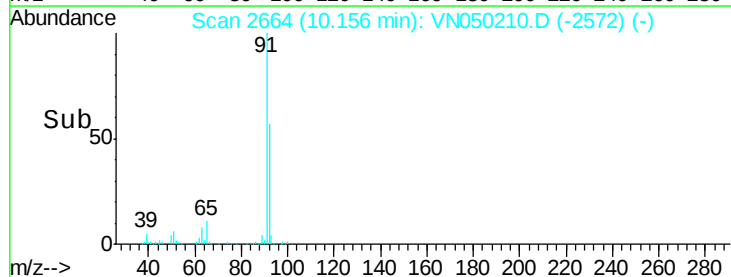
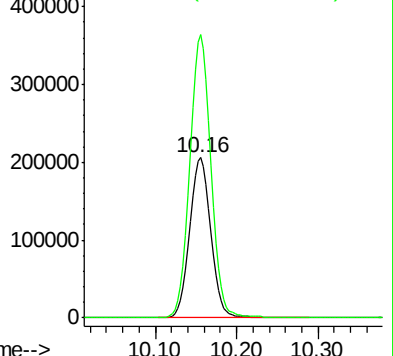
92 100

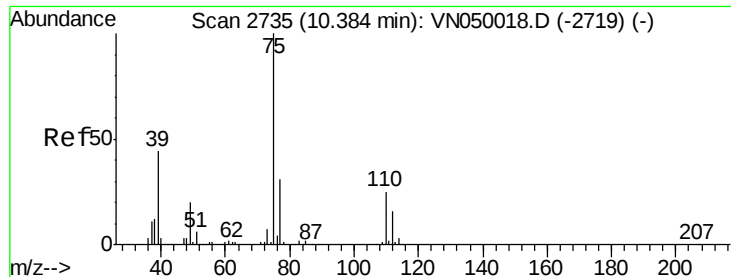
91 175.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.38 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

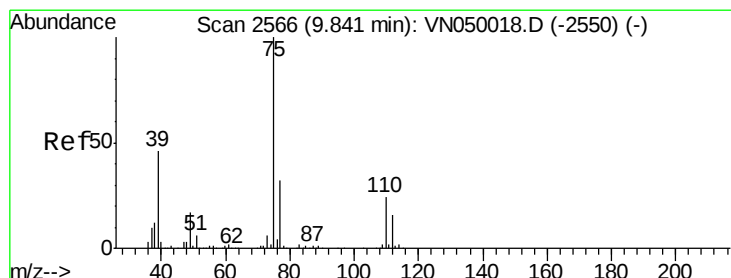
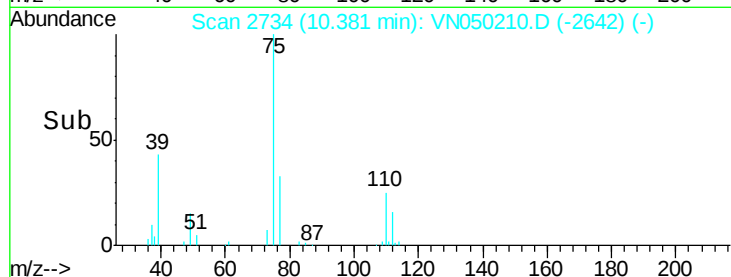
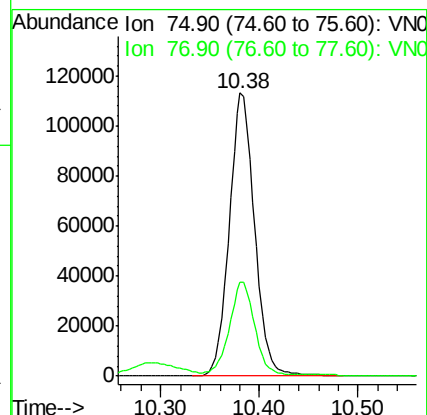
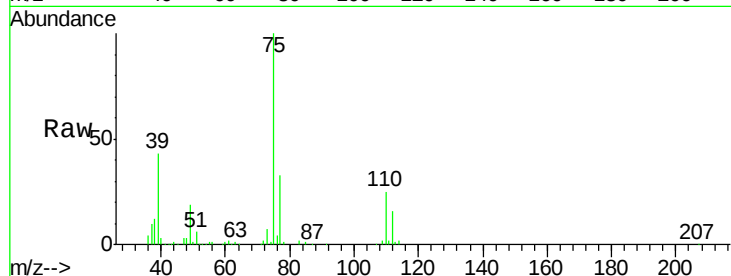
VN0731WBS02

Tot Ion: 75 Resp: 204003

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

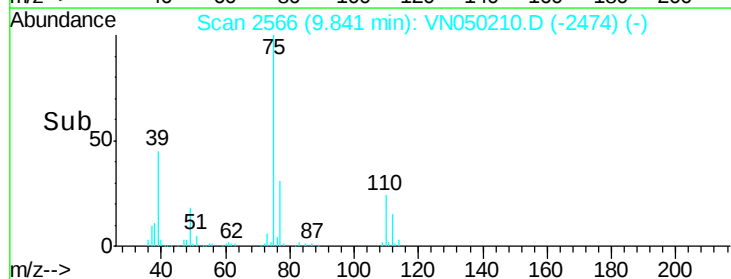
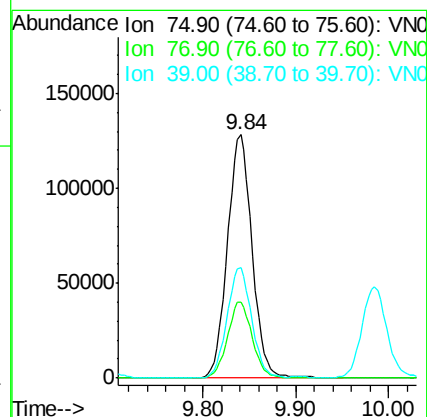
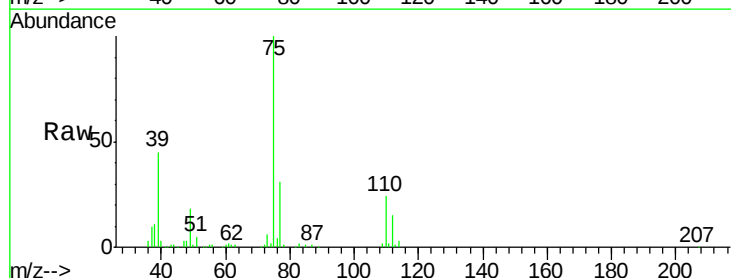
Tgt Ion: 75 Resp: 236635

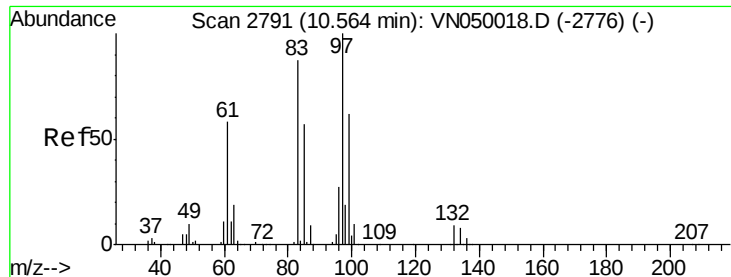
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 45.2 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.35 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

Tot Ion: 97 Resp: 145534

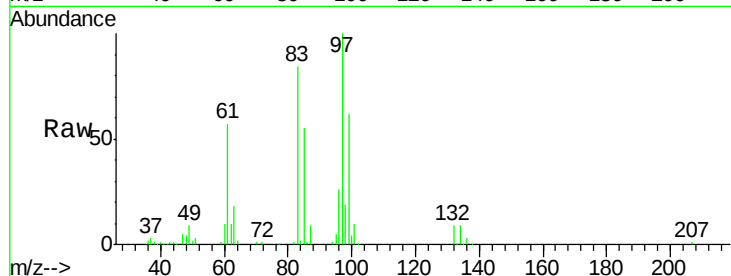
Ion Ratio Lower Upper

97 100

83 83.8 69.2 103.8

85 55.3 44.0 66.0

99 61.5 49.9 74.9

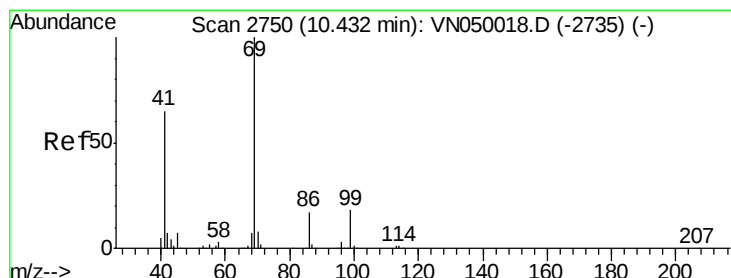
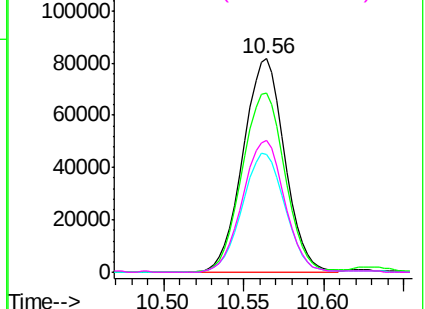
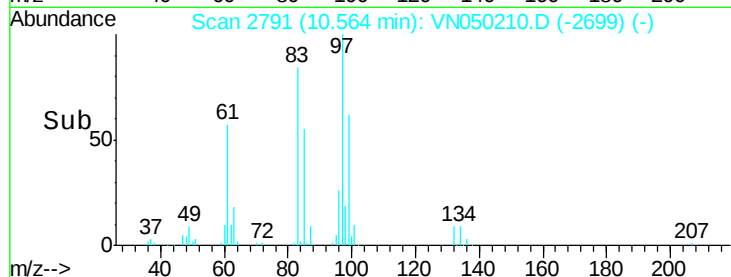


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 17.93 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

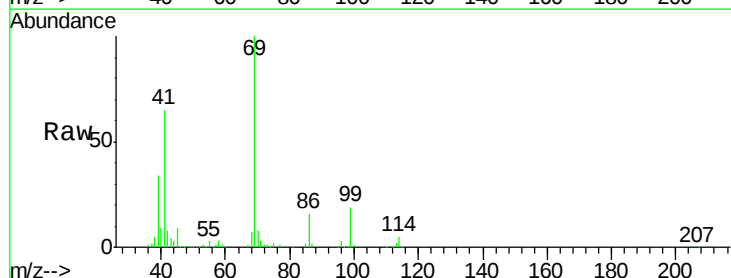
Tgt Ion: 69 Resp: 168869

Ion Ratio Lower Upper

69 100

41 63.6 51.0 76.4

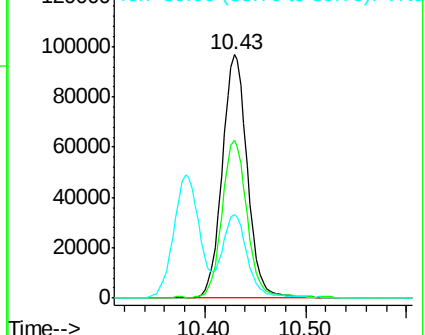
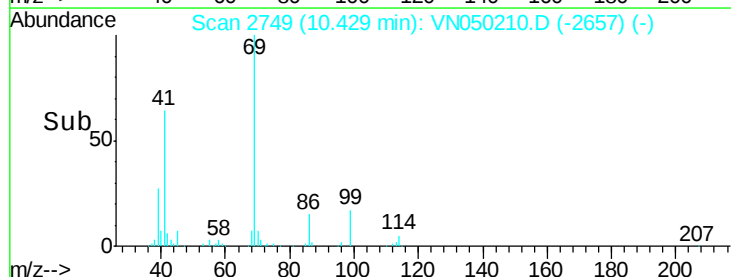
39 34.2 26.6 40.0

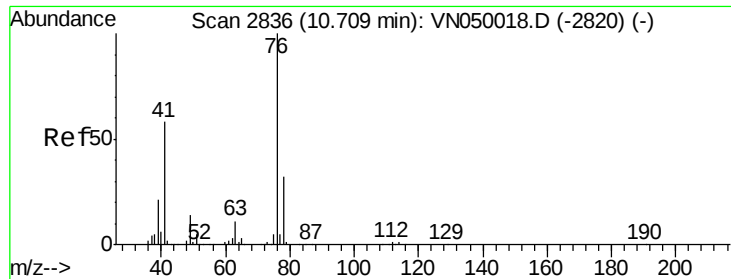


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

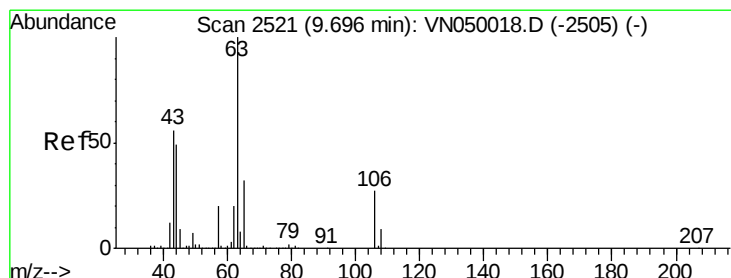
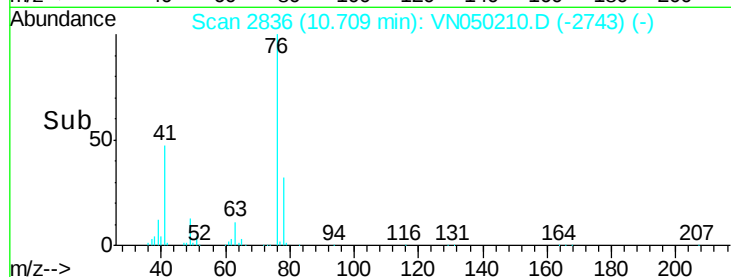
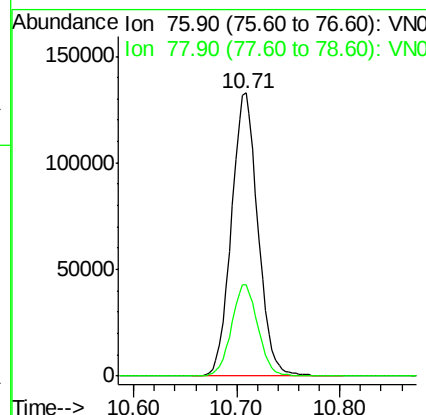
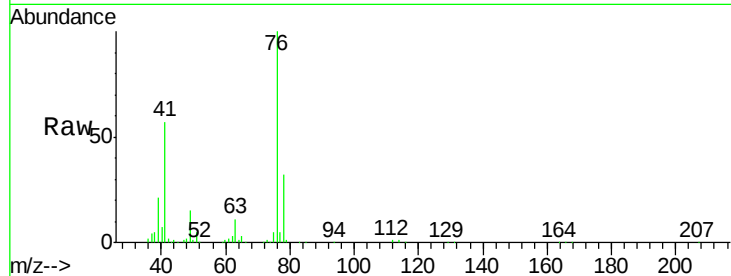




#57
 1,3-Dichloropropane
 Concen: 19.42 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

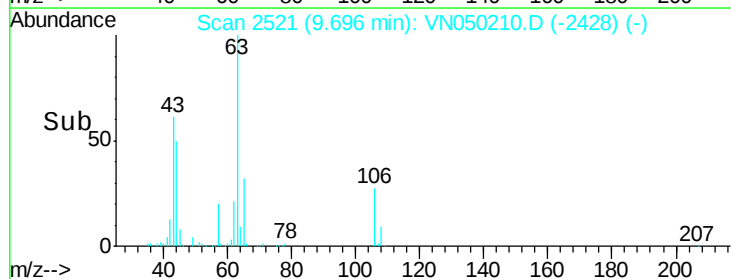
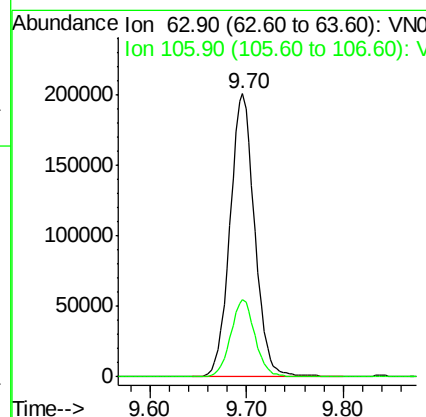
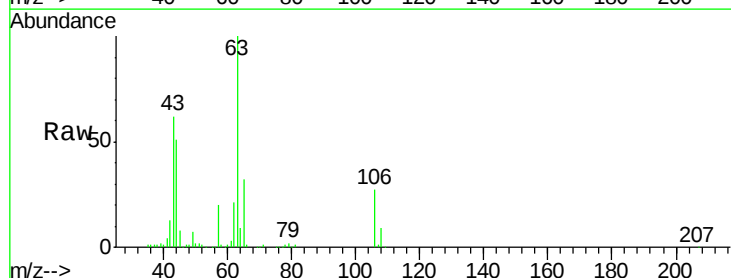
Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

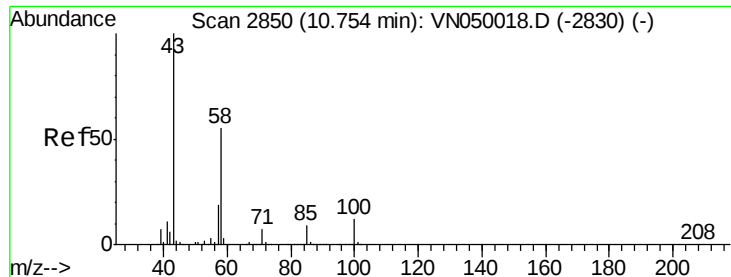
Tot Ion: 76 Resp: 237885
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.84 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion: 63 Resp: 356443
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

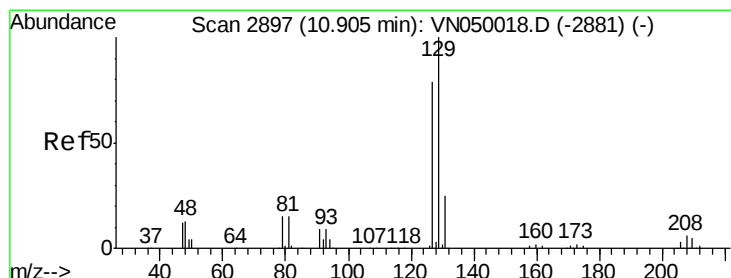
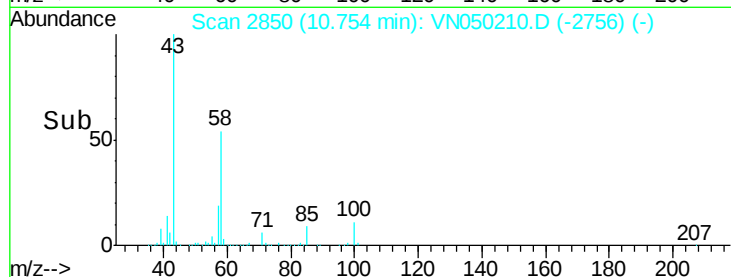
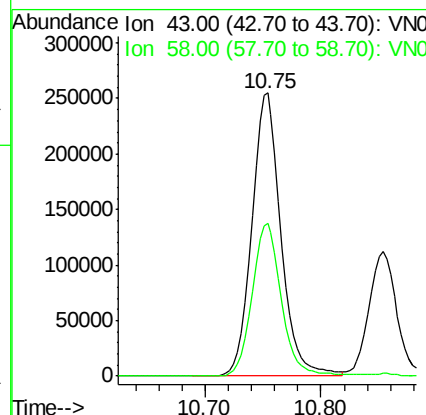
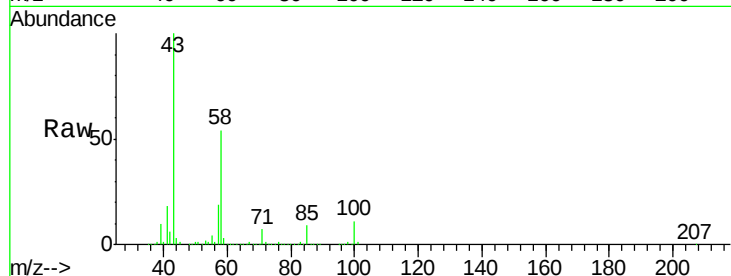




#59
2-Hexanone
Concen: 87.04 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

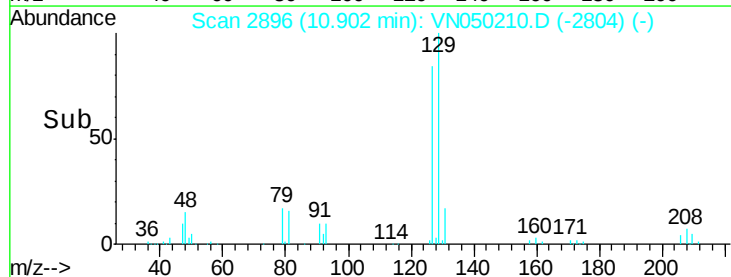
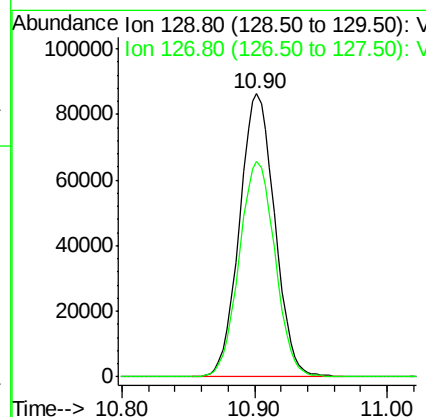
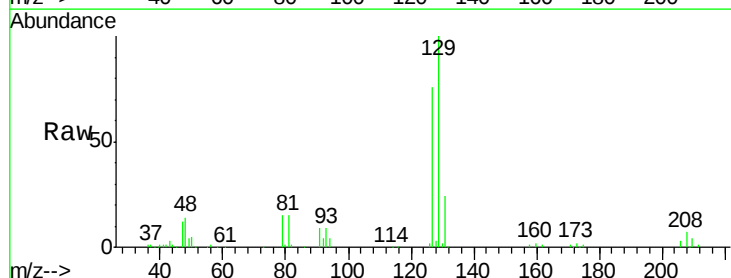
Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

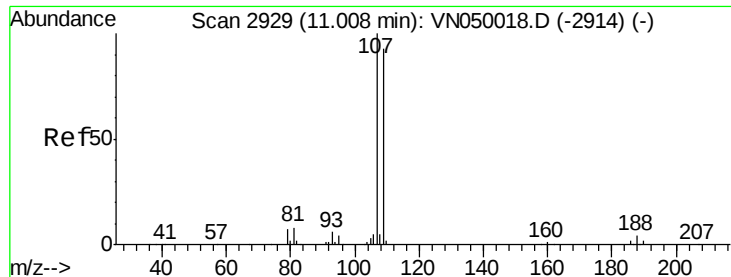
Tot Ion: 43 Resp: 444553
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.7



#60
Dibromochloromethane
Concen: 19.15 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion: 129 Resp: 159467
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.43 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

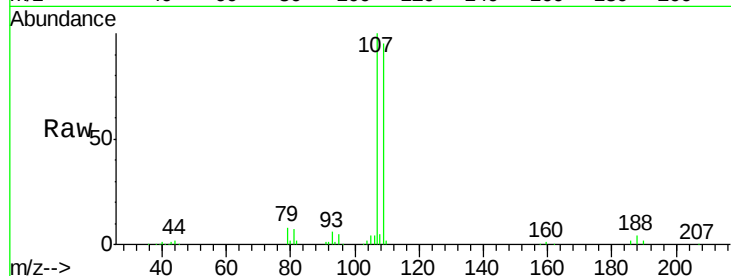
VN0731WBS02

Tot Ion:107 Resp: 137533

Ion Ratio Lower Upper

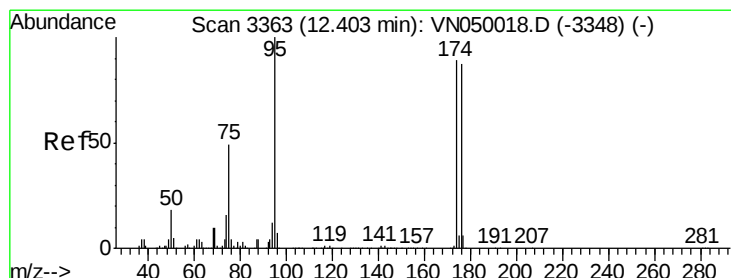
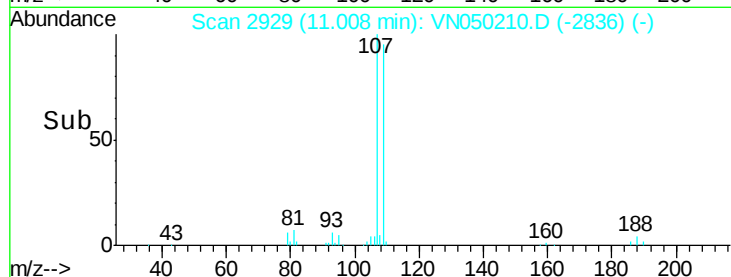
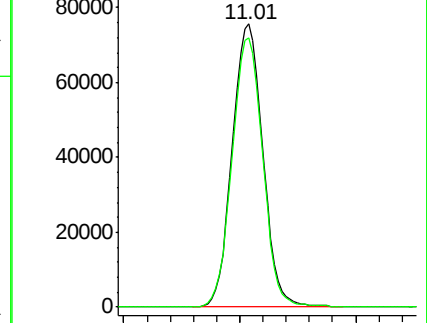
107 100

109 95.5 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: 49.08 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

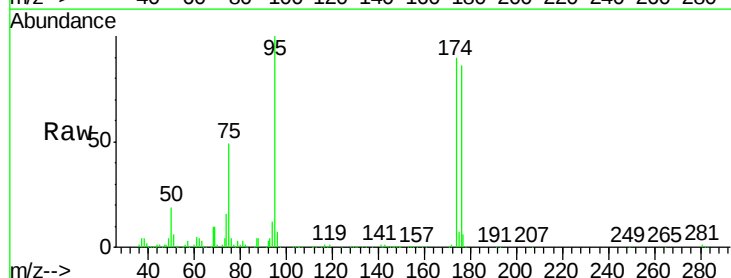
Tgt Ion: 95 Resp: 454639

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

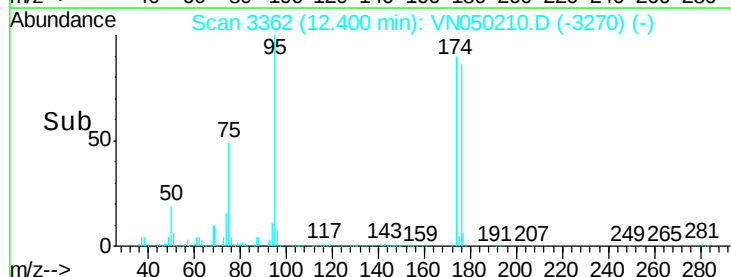
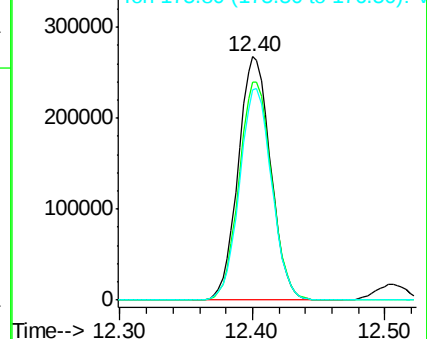
176 86.2 0.0 173.4

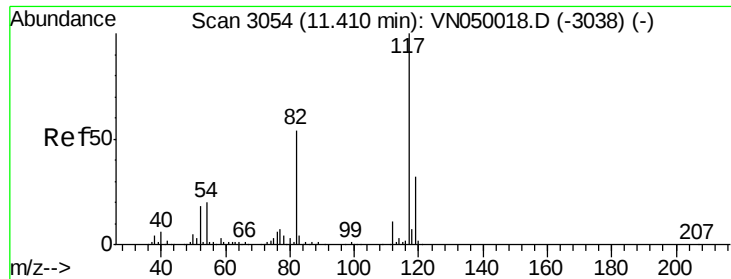


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

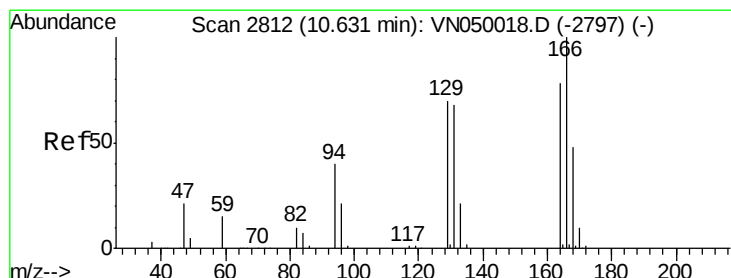
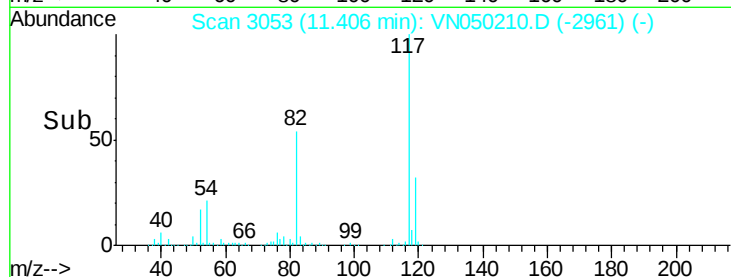
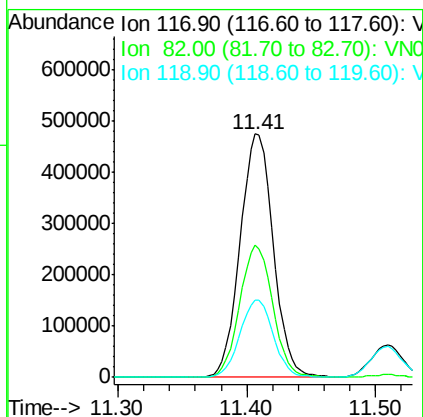
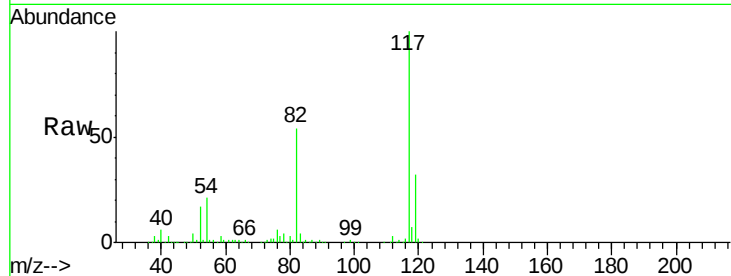




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

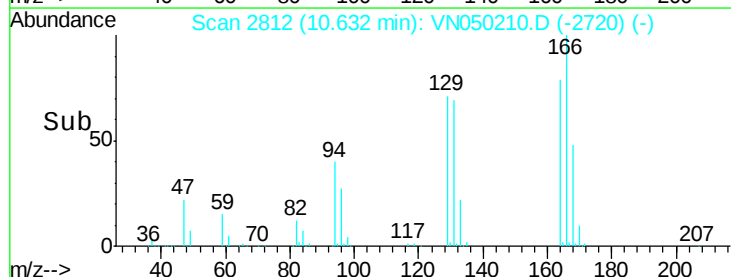
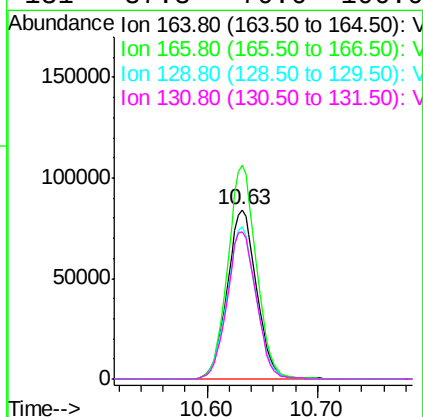
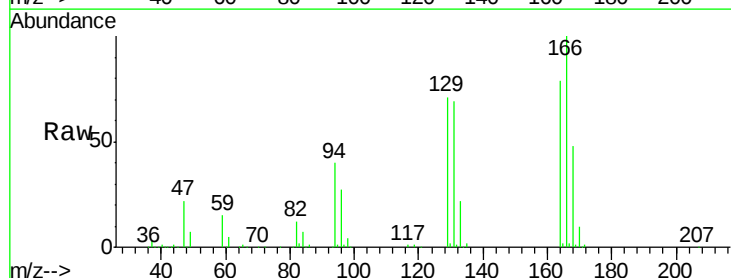
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

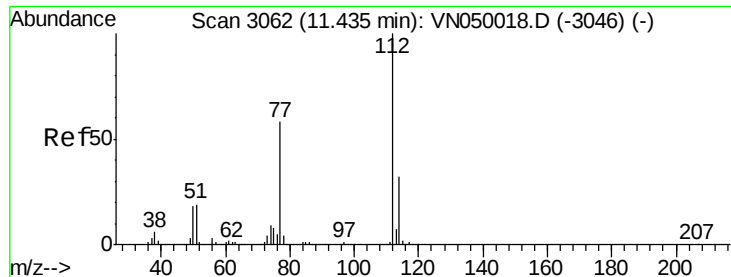
Tot Ion:117 Resp: 851411
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 31.7 26.1 39.1



#64
Tetrachloroethene
Concen: 18.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion:164 Resp: 154370
Ion Ratio Lower Upper
164 100
166 126.4 102.1 153.1
129 89.9 73.2 109.8
131 87.3 70.6 106.0





#65

Chlorobenzene

Concen: 19.37 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

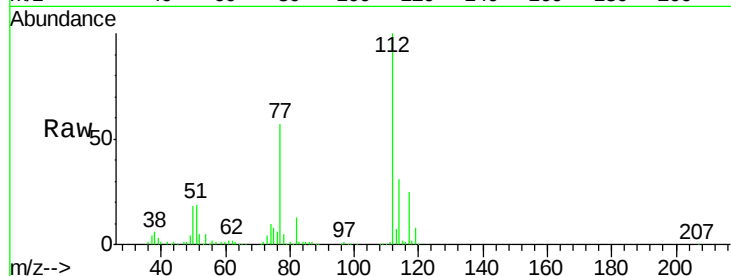
VN0731WBS02

Tot Ion:112 Resp: 416571

Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

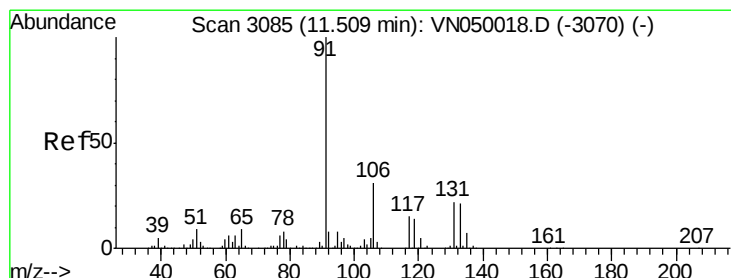
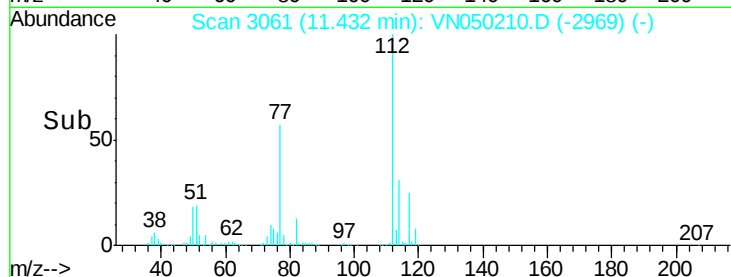
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.32 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

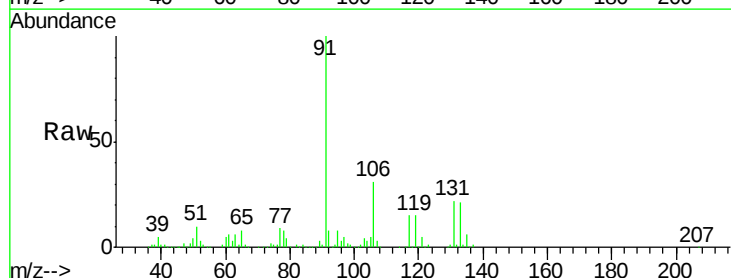
Tgt Ion:131 Resp: 159634

Ion Ratio Lower Upper

131 100

133 93.8 47.3 141.9

119 65.4 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

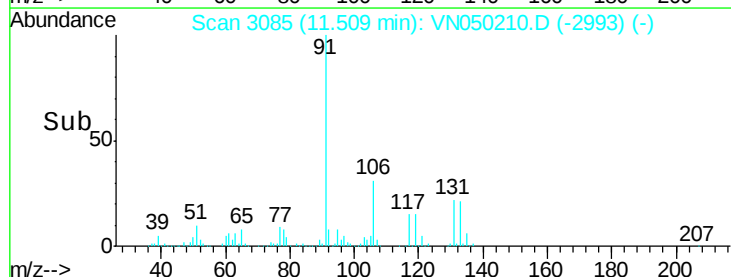
150000

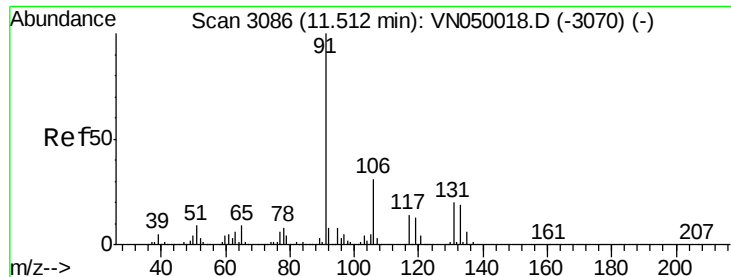
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

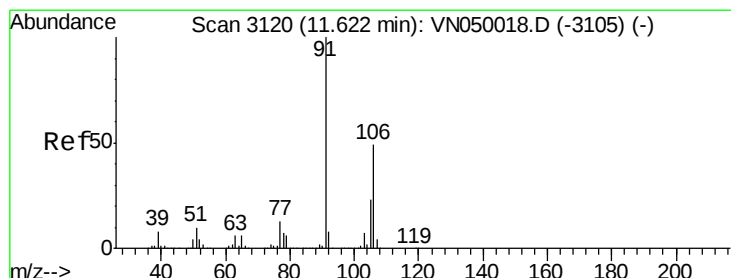
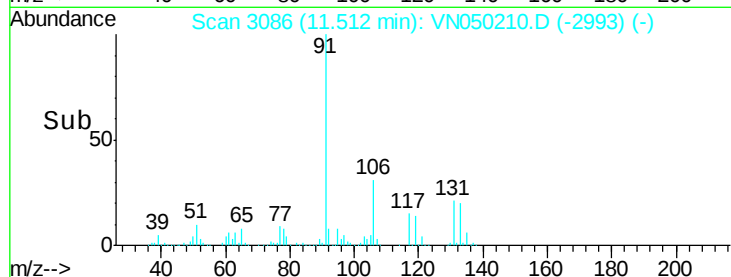
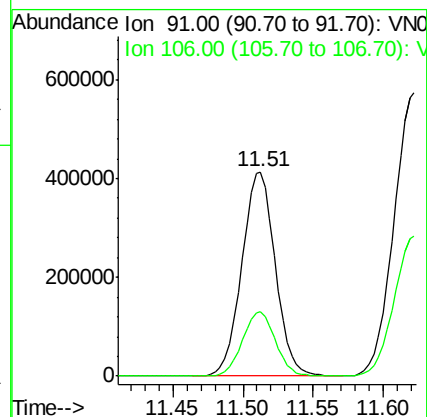
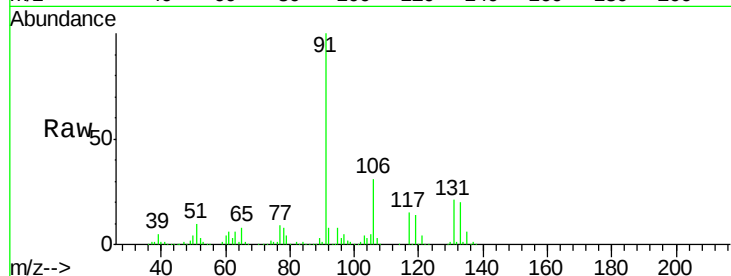
VN0731WBS02

Tot Ion: 91 Resp: 685833

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 41.15 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050210.D

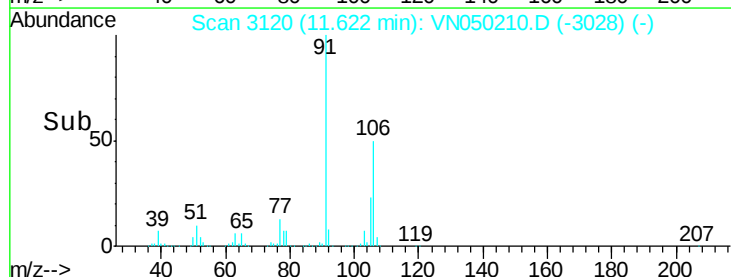
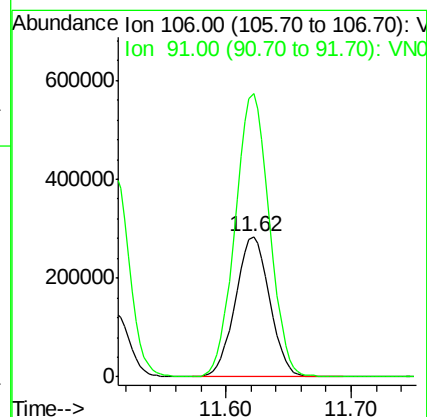
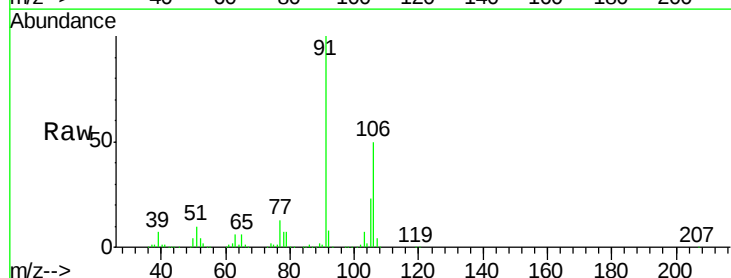
Acq: 31 Jul 2018 13:13

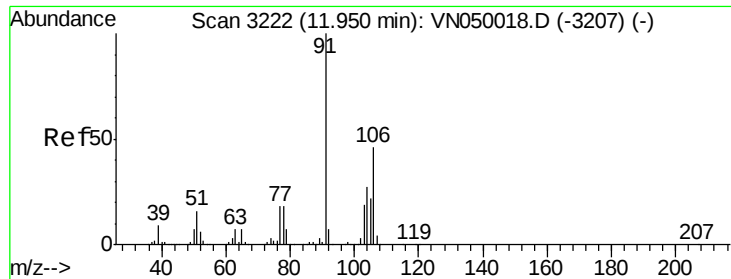
Tgt Ion: 106 Resp: 537749

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2

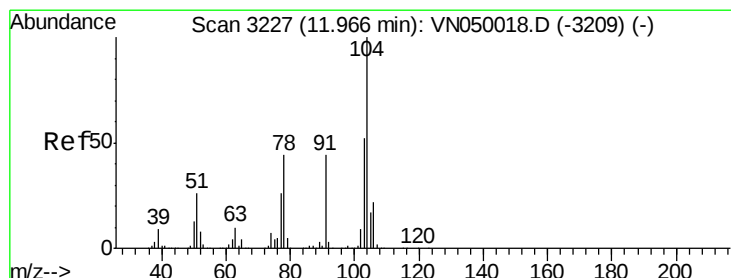
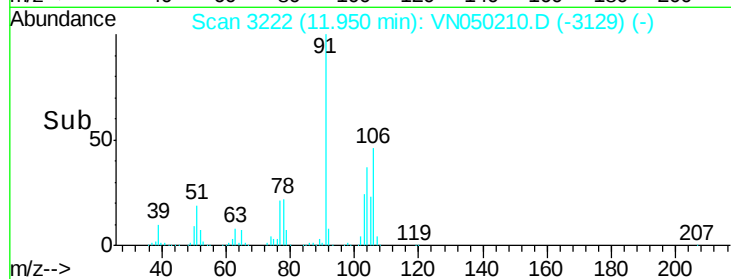
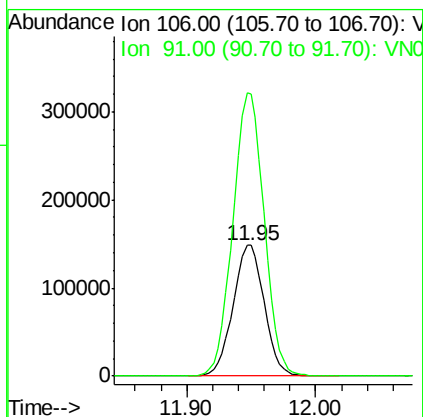
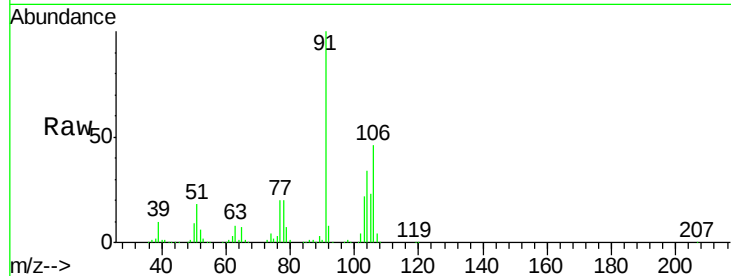




#69
o-Xylene
Concen: 20.00 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

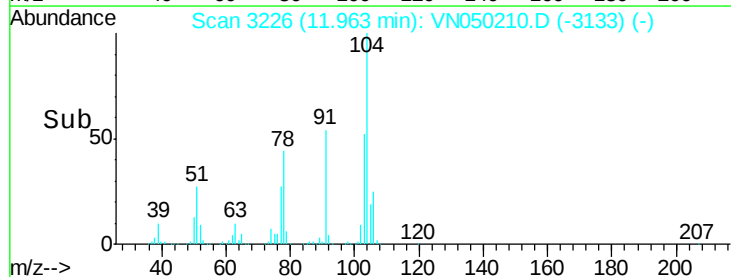
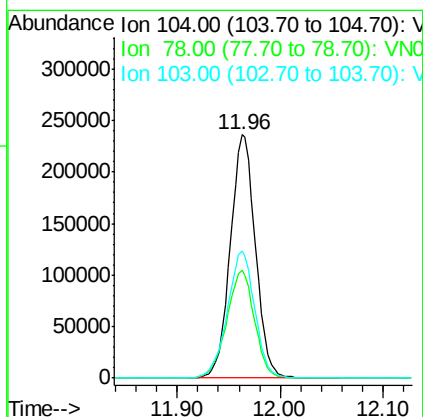
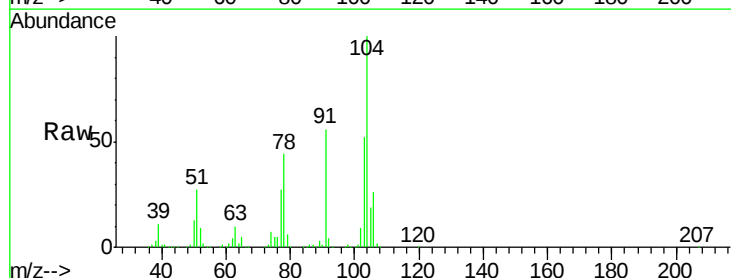
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

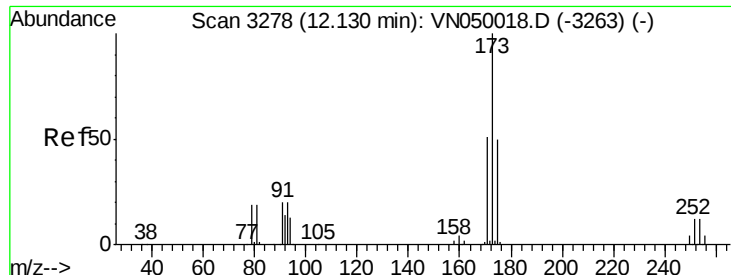
Tot Ion:106 Resp: 249131
Ion Ratio Lower Upper
106 100
91 217.2 107.7 323.1



#70
Styrene
Concen: 18.71 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion:104 Resp: 401564
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 56.8 45.0 67.6

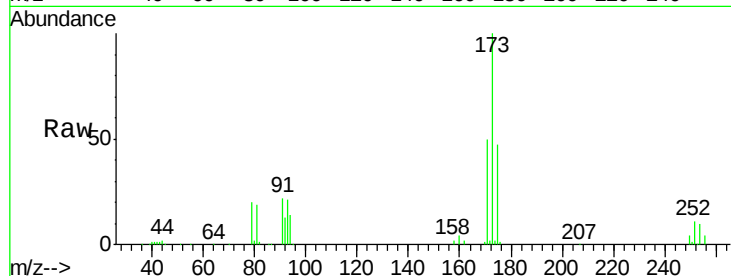




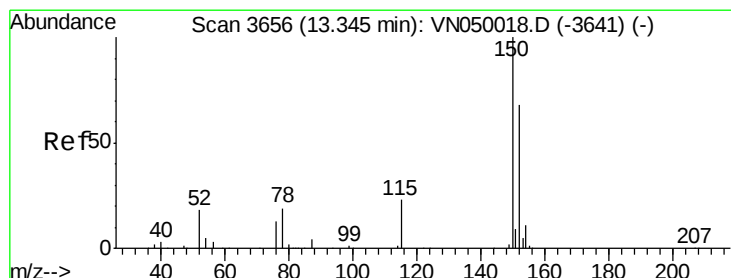
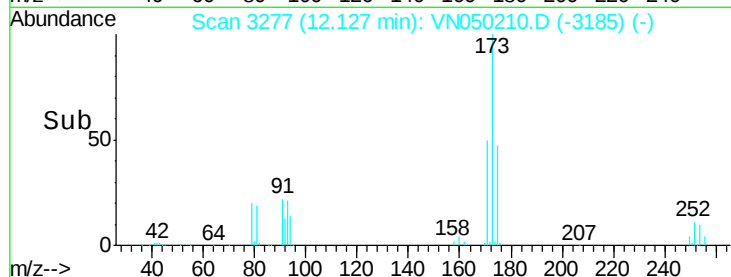
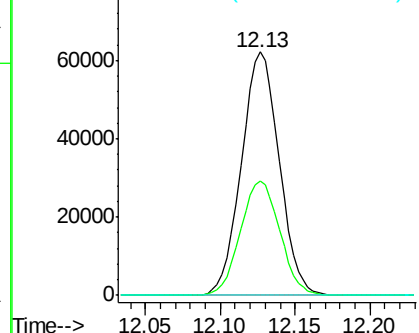
#71
Bromoform
Concen: 18.20 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS02

Tot Ion:173 Resp: 109413
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.2
254 0.0 0.2 0.2#

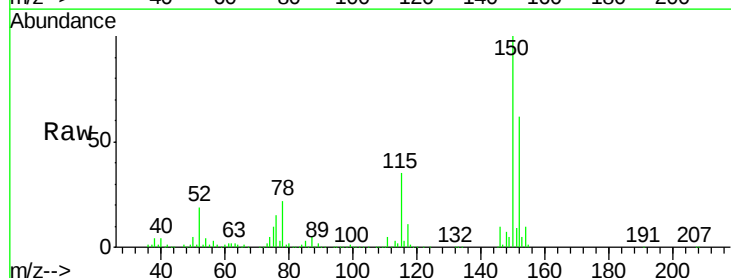


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

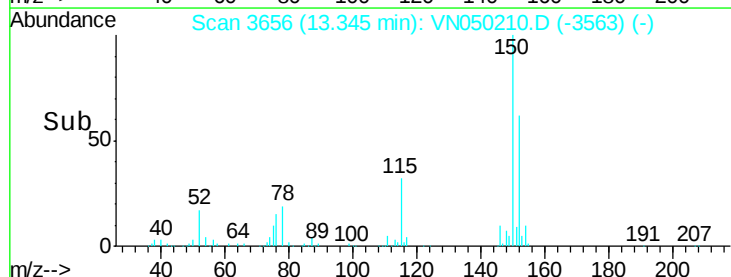
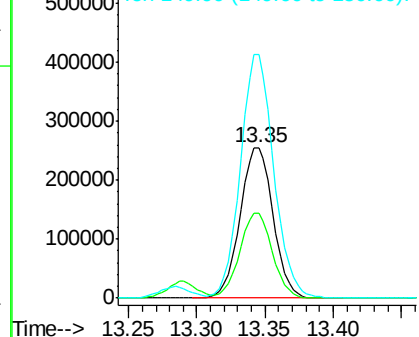


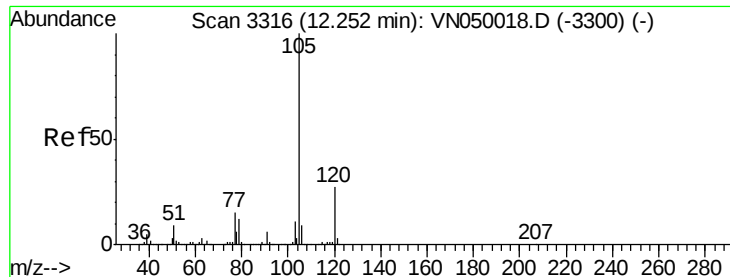
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion:152 Resp: 426996
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.3
150 163.9 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: 20.62 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

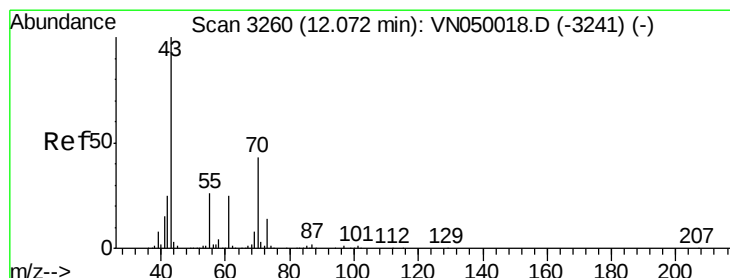
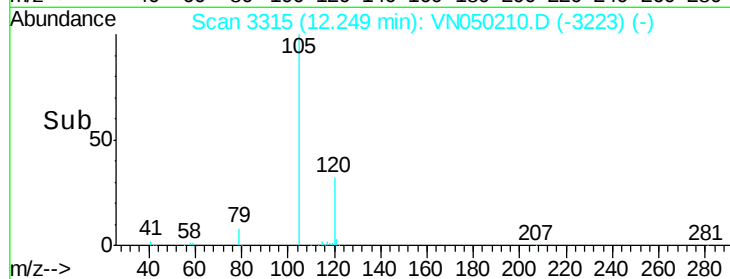
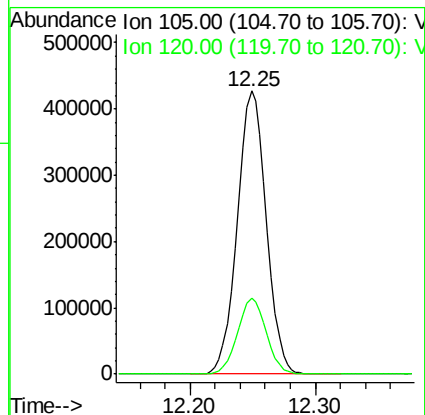
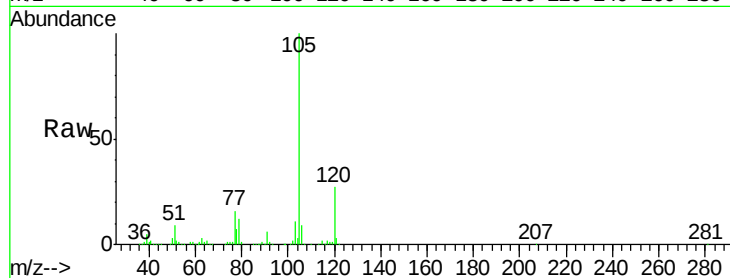
VN0731WBS02

Tot Ion:105 Resp: 683010

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 17.50 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Tgt Ion: 43 Resp: 177157

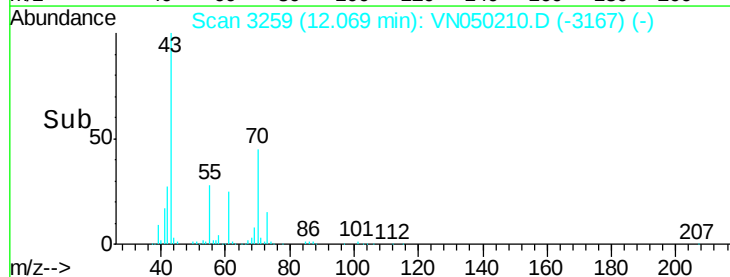
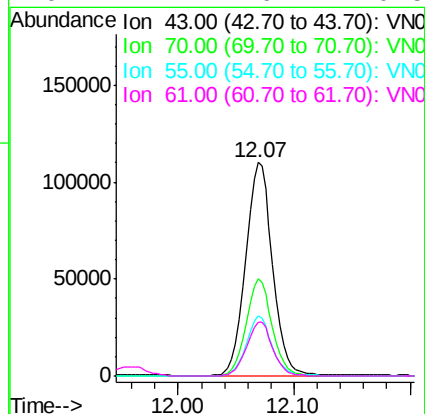
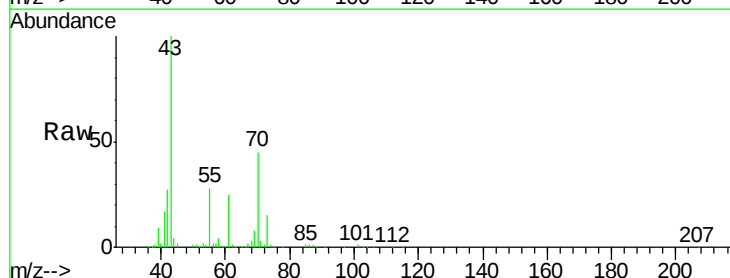
Ion Ratio Lower Upper

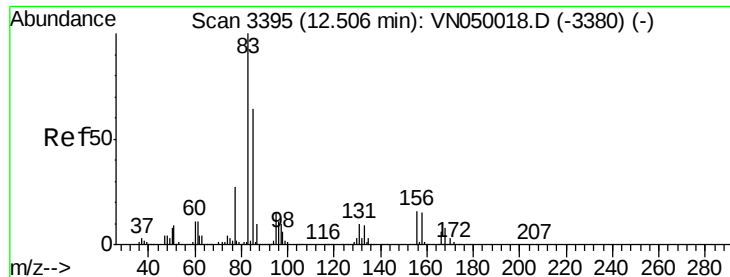
43 100

70 43.7 34.4 51.6

55 26.9 20.8 31.2

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

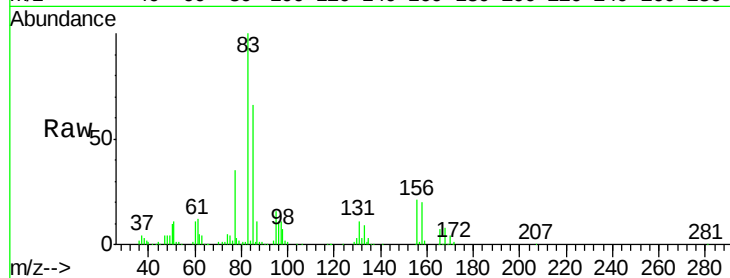
Tot Ion: 83 Resp: 179898

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

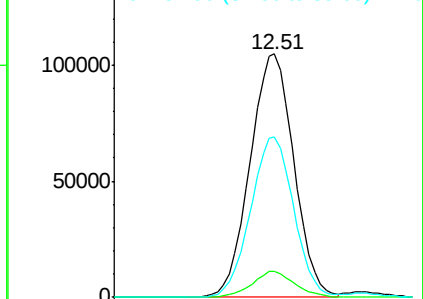
85 64.8 32.3 96.8



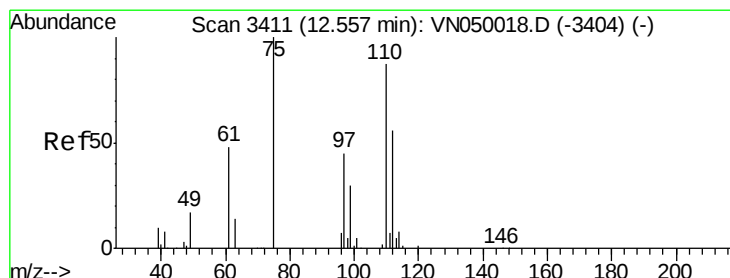
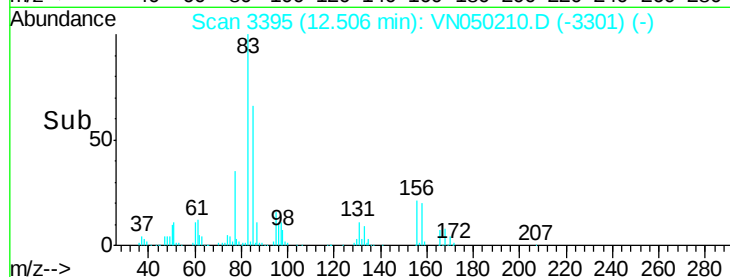
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.05 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050210.D

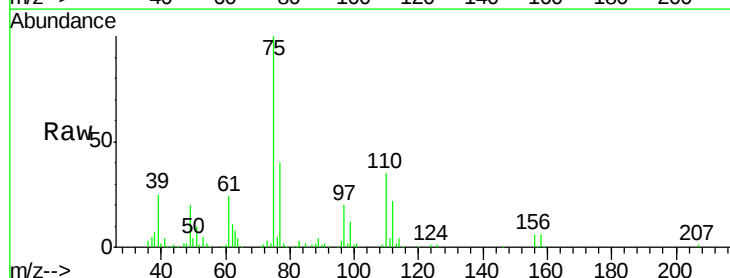
Acq: 31 Jul 2018 13:13

Tgt Ion: 75 Resp: 214688

Ion Ratio Lower Upper

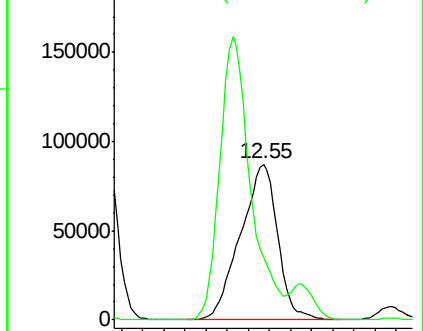
75 100

77 0.0 0.0 0.0

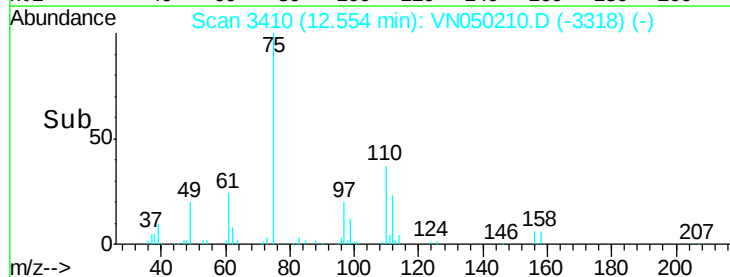


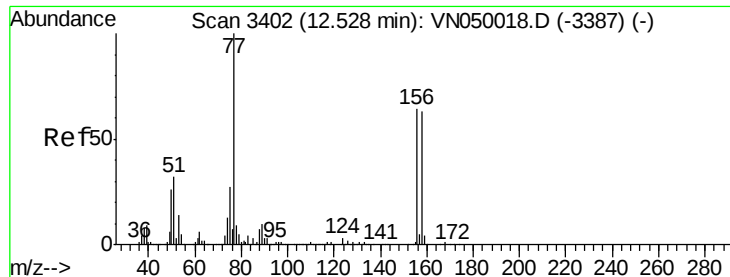
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 19.11 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

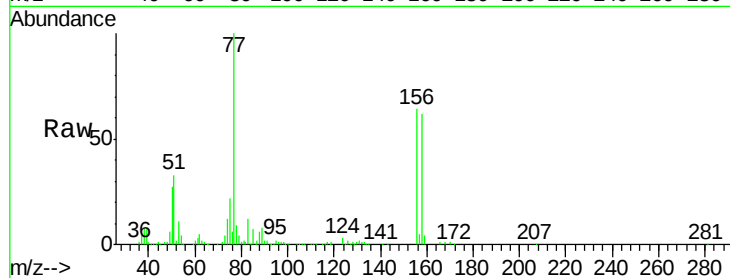
Tot Ion:156 Resp: 175413

Ion Ratio Lower Upper

156 100

77 184.2 91.7 275.1

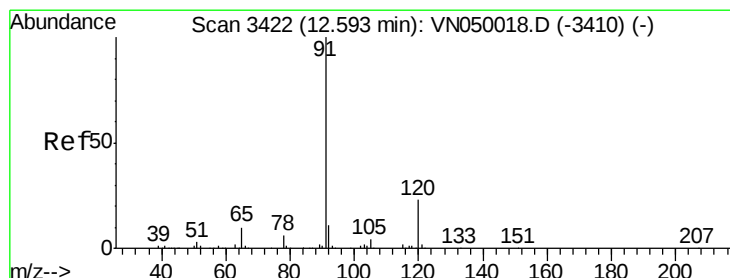
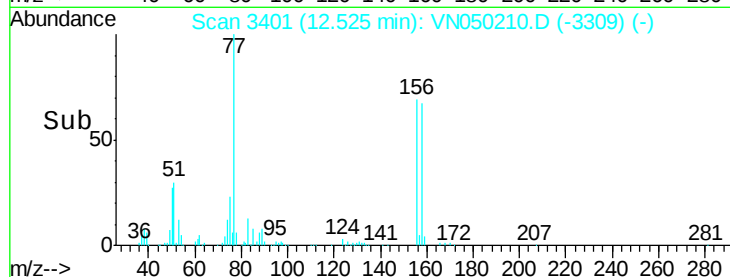
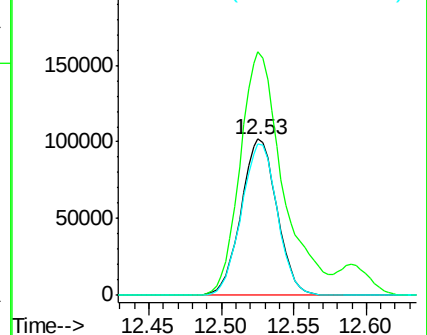
158 97.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.15 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050210.D

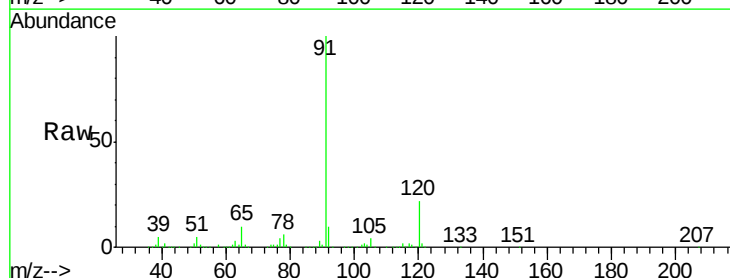
Acq: 31 Jul 2018 13:13

Tgt Ion: 91 Resp: 782976

Ion Ratio Lower Upper

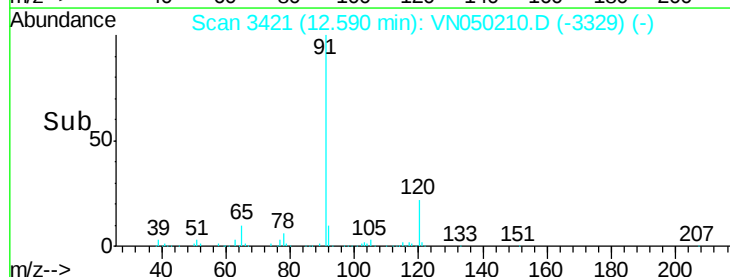
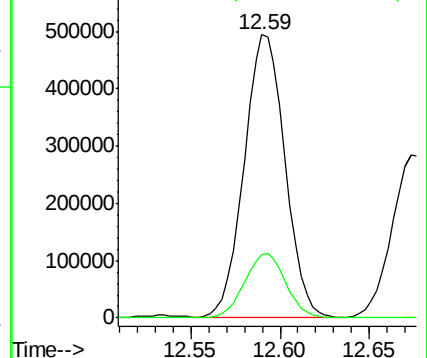
91 100

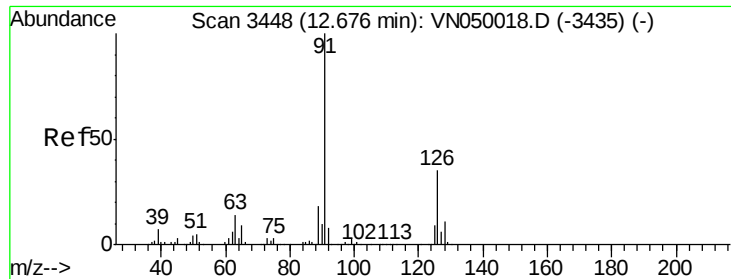
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.57 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

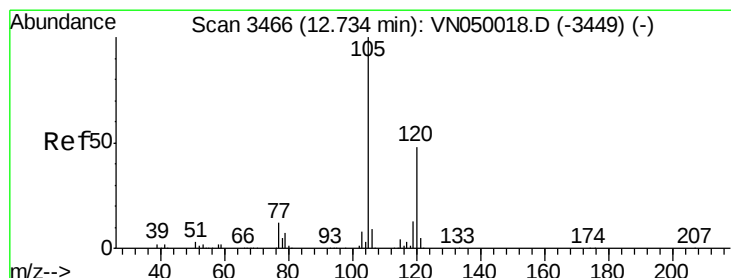
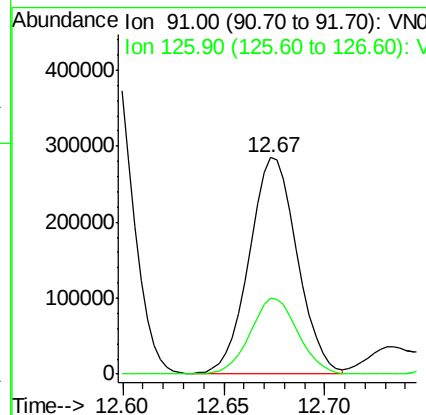
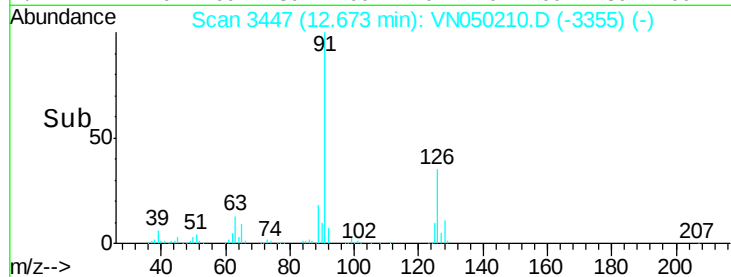
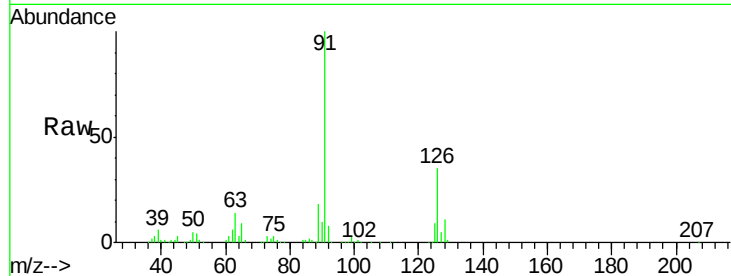
VN0731WBS02

Tot Ion: 91 Resp: 471876

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.52 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050210.D

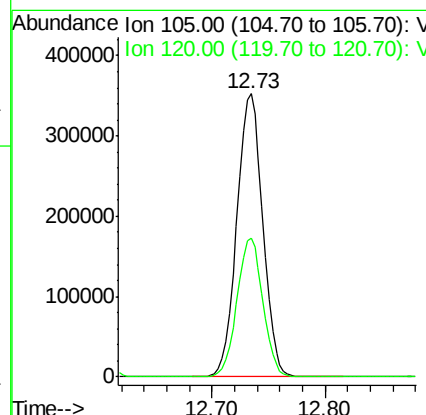
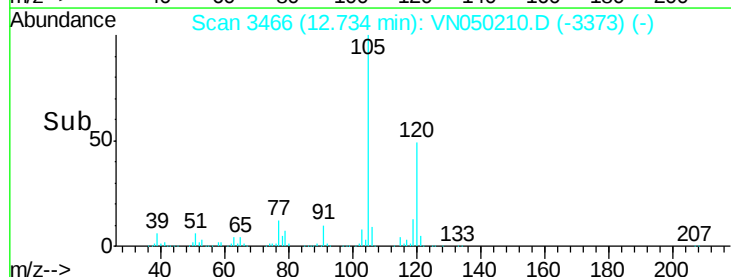
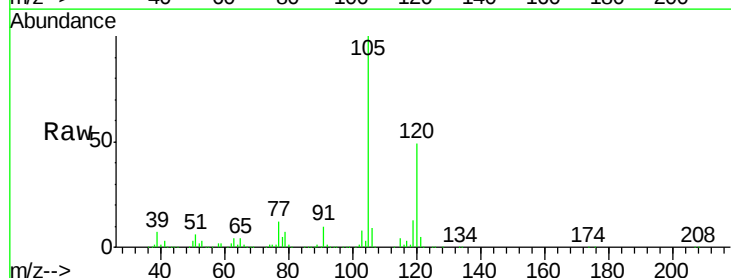
Acq: 31 Jul 2018 13:13

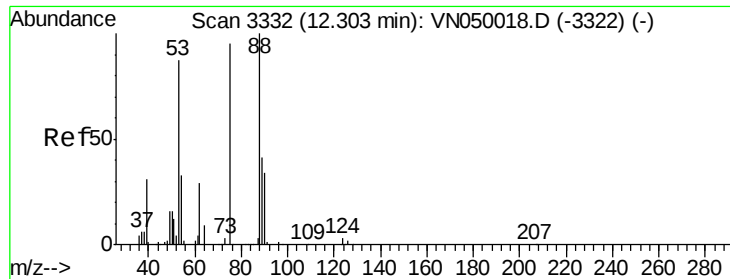
Tgt Ion: 105 Resp: 560579

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.71 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

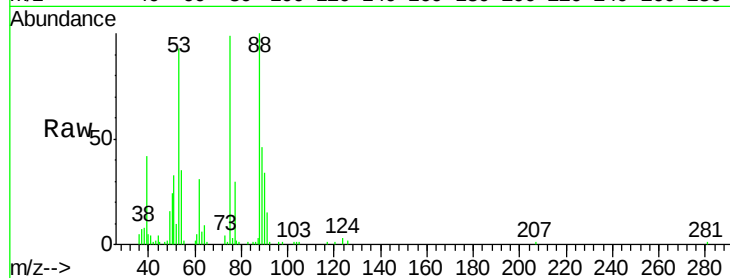
Tot Ion: 75 Resp: 46815

Ion	Ratio	Lower	Upper
75	100		
53	92.3	73.5	110.3
89	43.4	36.0	54.0

75 100

53 92.3 73.5 110.3

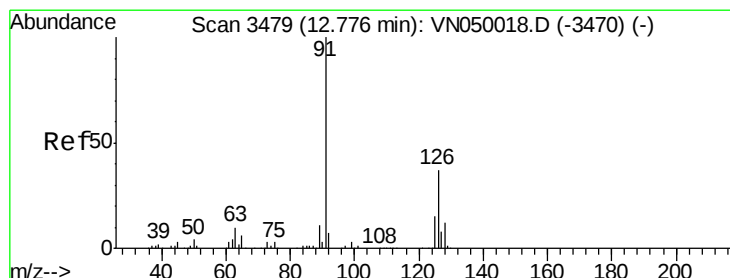
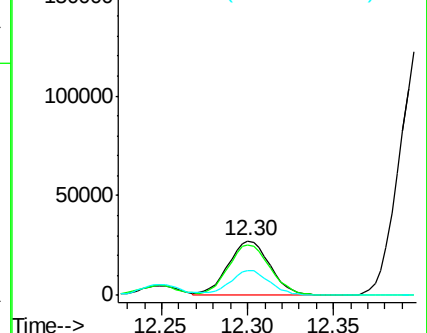
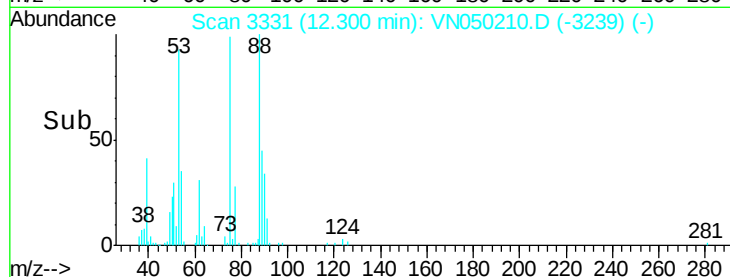
89 43.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.99 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050210.D

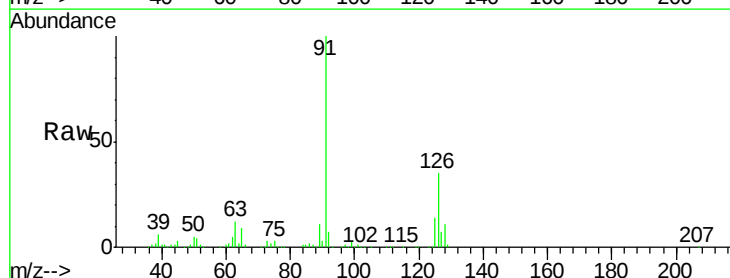
Acq: 31 Jul 2018 13:13

Tgt Ion: 91 Resp: 476966

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0

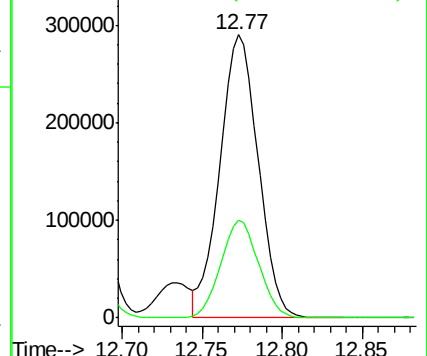
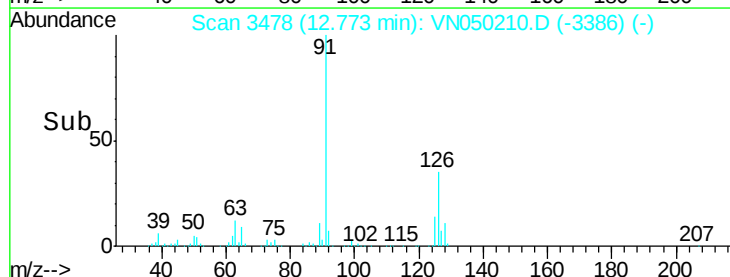
91 100

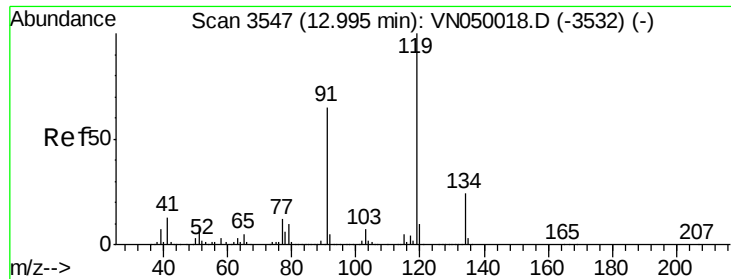
126 34.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

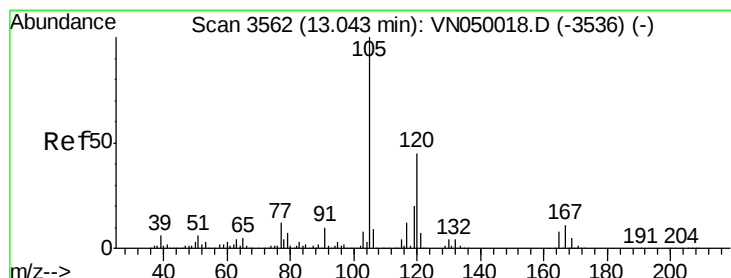
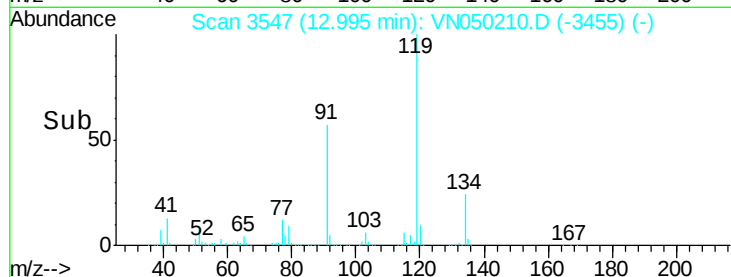
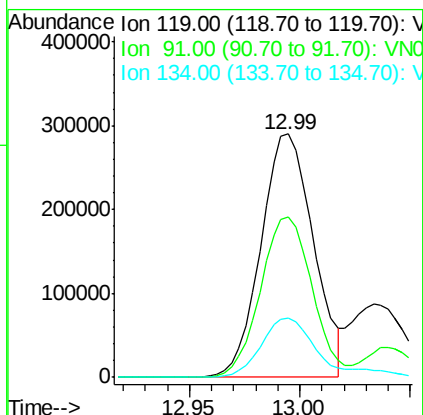
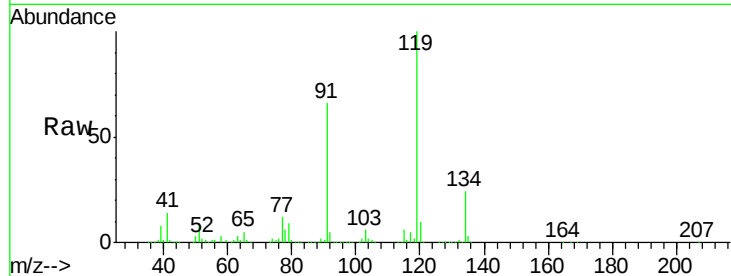




#83
 tert-Butylbenzene
 Concen: 21.02 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

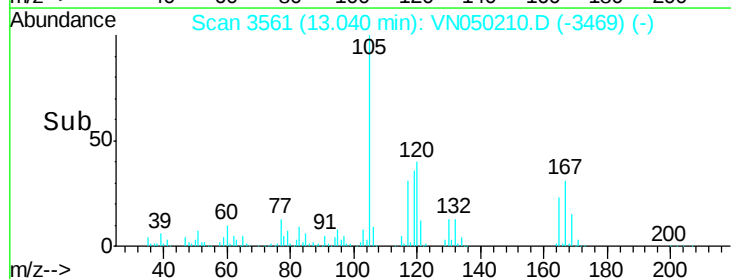
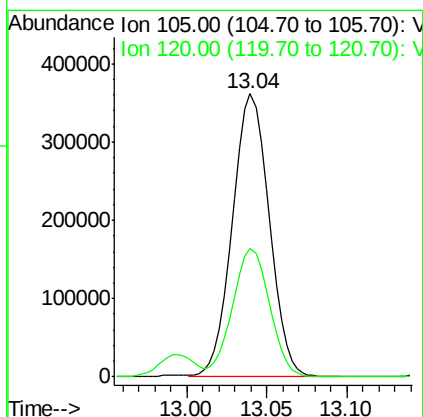
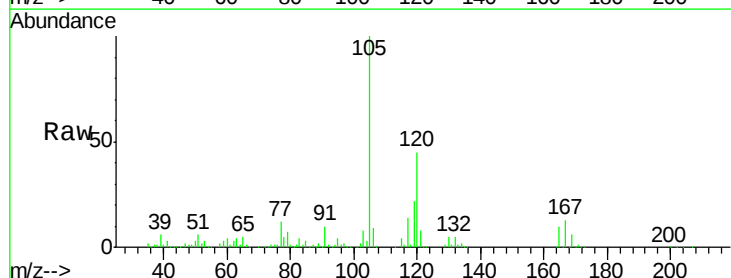
Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS02

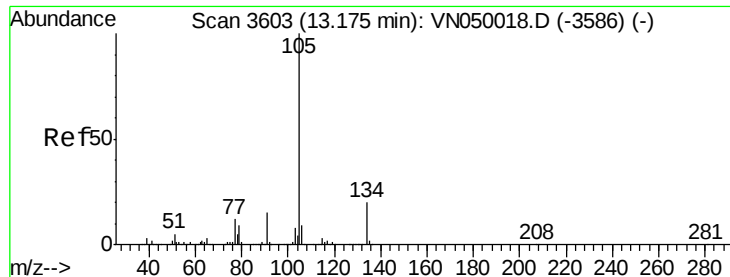
Tot Ion:119 Resp: 477827
 Ion Ratio Lower Upper
 119 100
 91 65.5 32.1 96.3
 134 26.6 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.55 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion:105 Resp: 565773
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.27 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

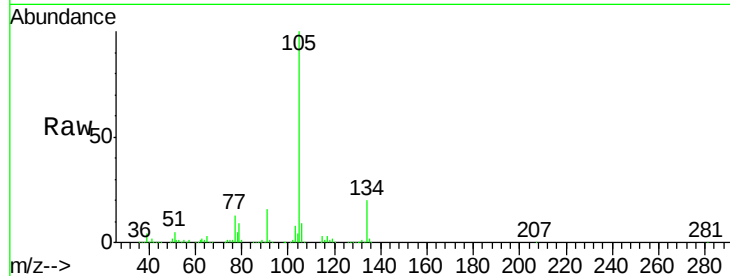
VN0731WBS02

Tot Ion:105 Resp: 646080

Ion Ratio Lower Upper

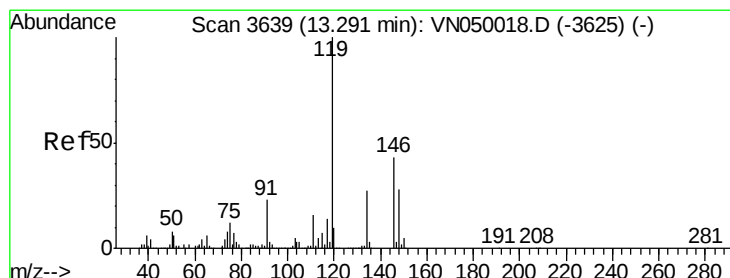
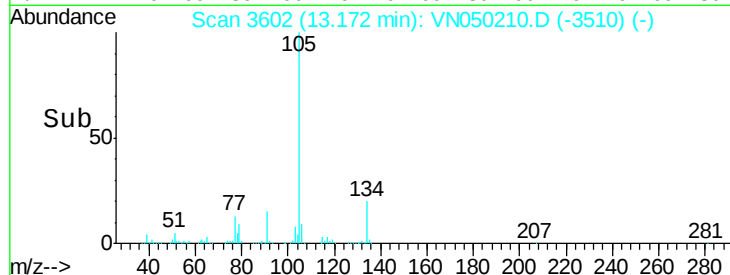
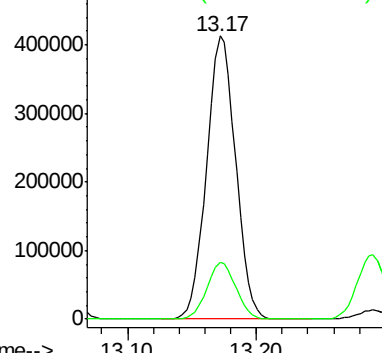
105 100

134 19.9 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.30 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

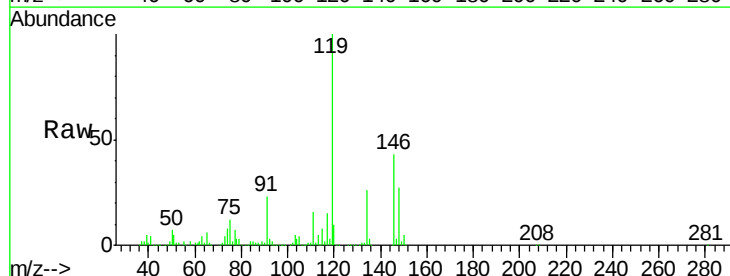
Tgt Ion:119 Resp: 545230

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

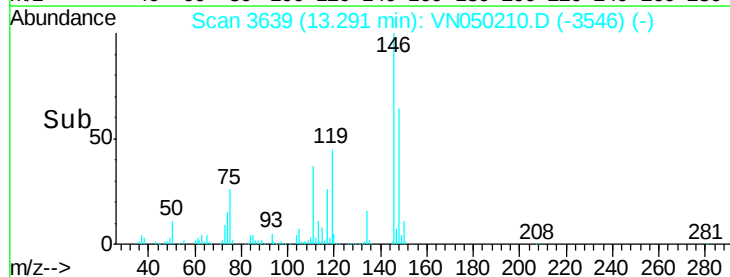
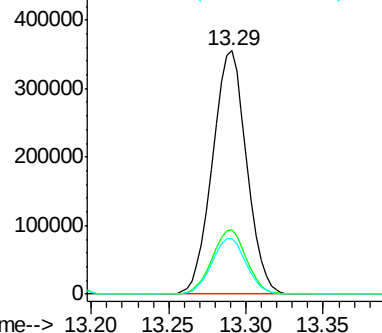
91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.57 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

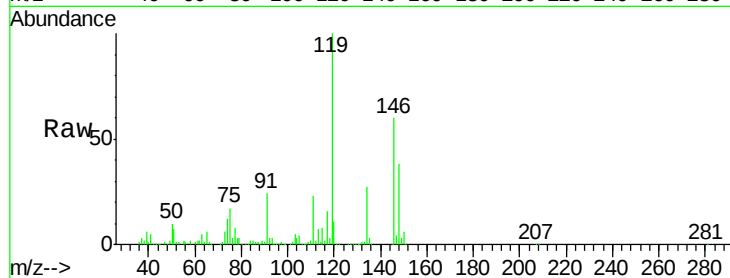
Tot Ion:146 Resp: 304547

Ion Ratio Lower Upper

146 100

111 38.7 18.8 56.4

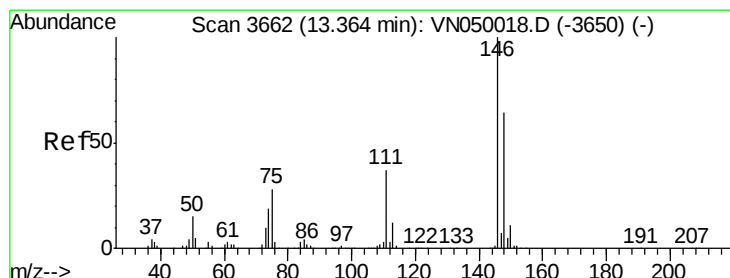
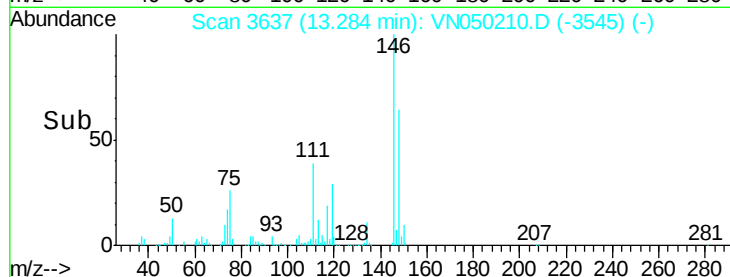
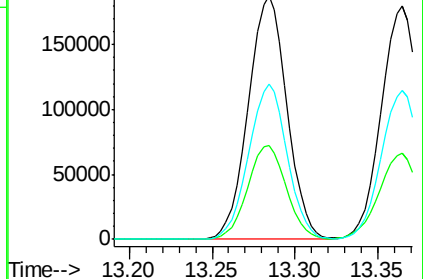
148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.26 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

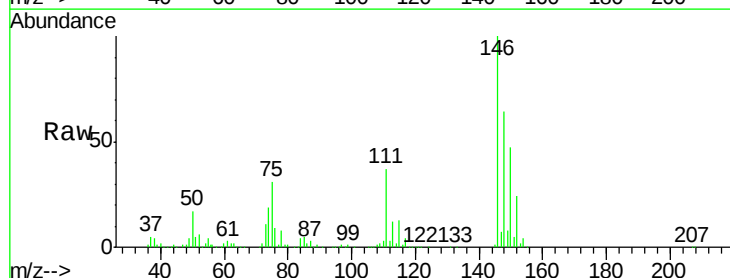
Tgt Ion:146 Resp: 292044

Ion Ratio Lower Upper

146 100

111 38.2 18.3 54.9

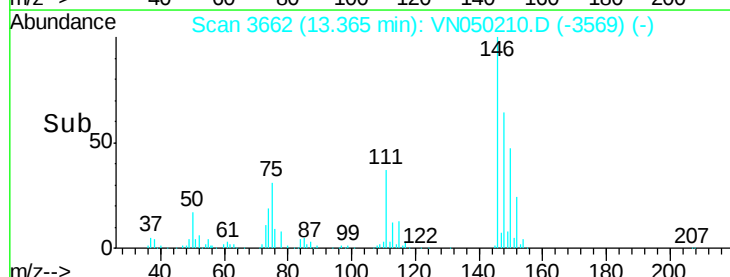
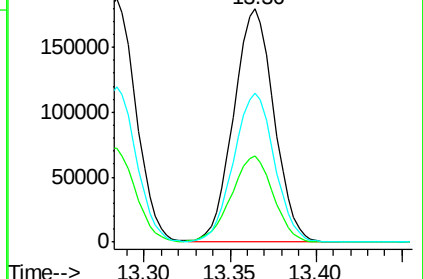
148 64.8 31.9 95.9

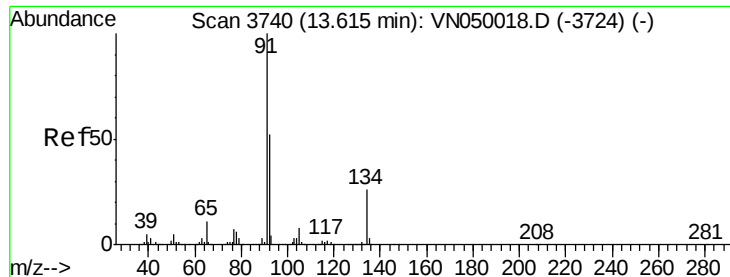


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.98 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS02

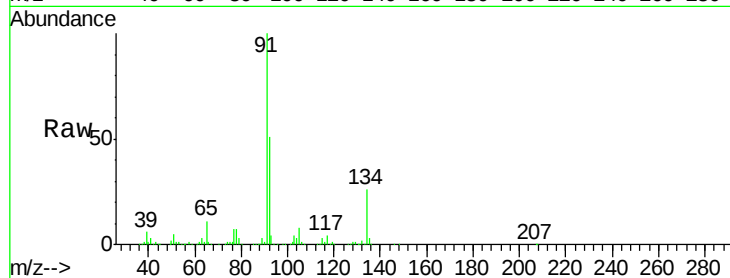
Tot Ion: 91 Resp: 420414

Ion Ratio Lower Upper

91 100

92 50.8 25.8 77.4

134 25.7 12.8 38.4

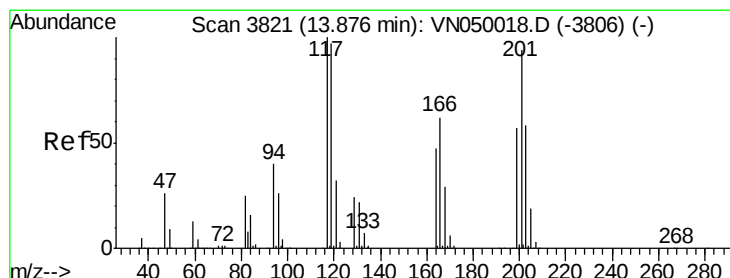
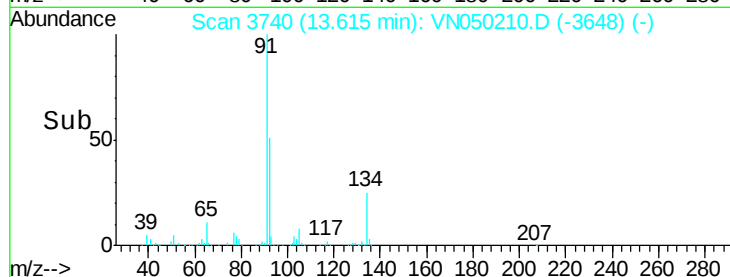


Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 19.02 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050210.D

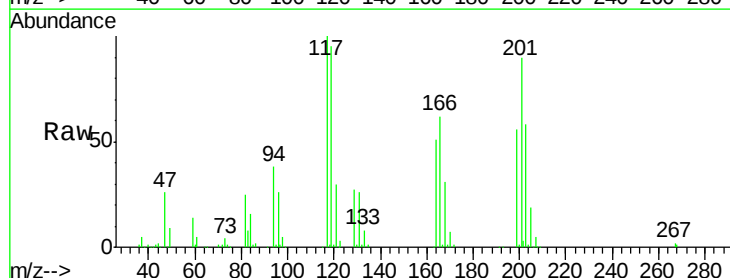
Acq: 31 Jul 2018 13:13

Tgt Ion: 117 Resp: 108065

Ion Ratio Lower Upper

117 100

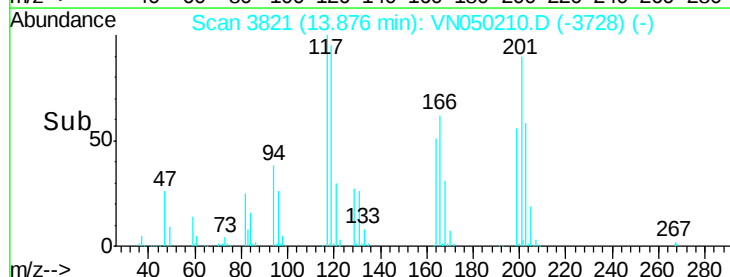
201 90.2 45.6 136.8

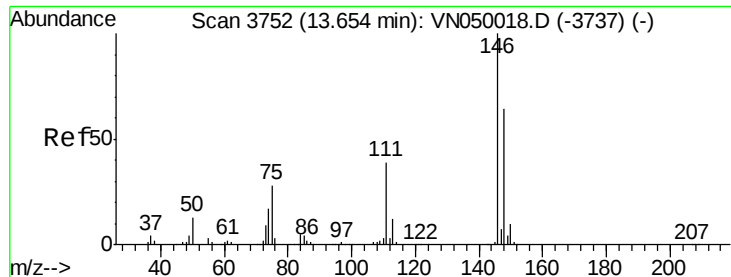


Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

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

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.27 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS02

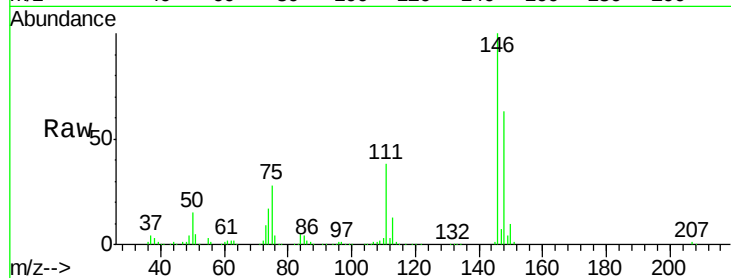
Tot Ion:146 Resp: 299659

Ion Ratio Lower Upper

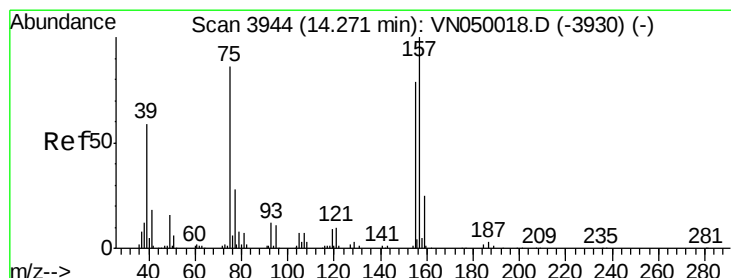
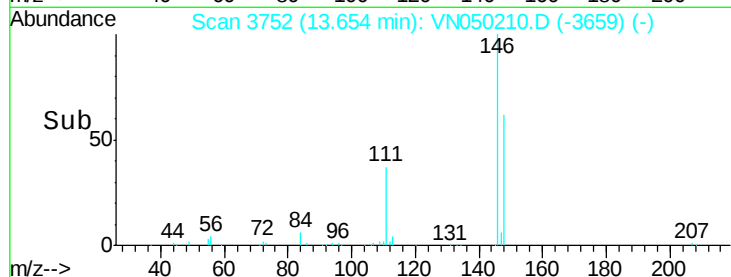
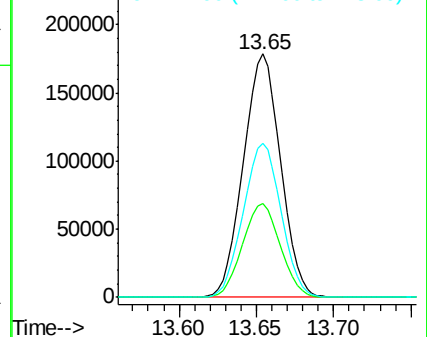
146 100

111 39.0 19.6 58.7

148 64.2 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.84 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050210.D

Acq: 31 Jul 2018 13:13

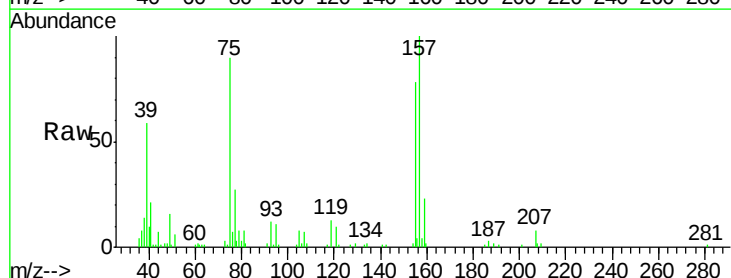
Tgt Ion: 75 Resp: 27096

Ion Ratio Lower Upper

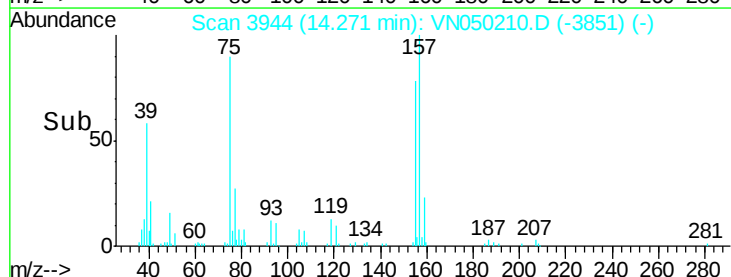
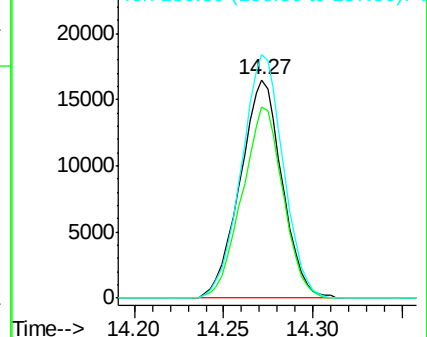
75 100

155 85.4 44.8 134.4

157 111.4 57.2 171.6



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

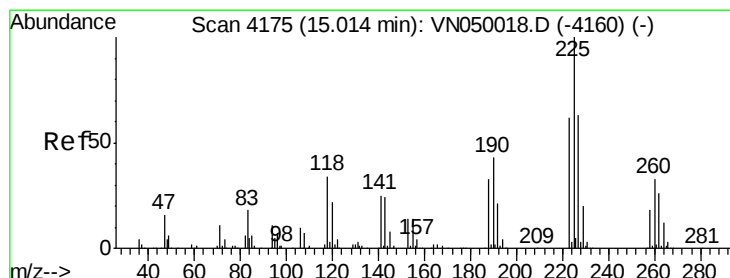
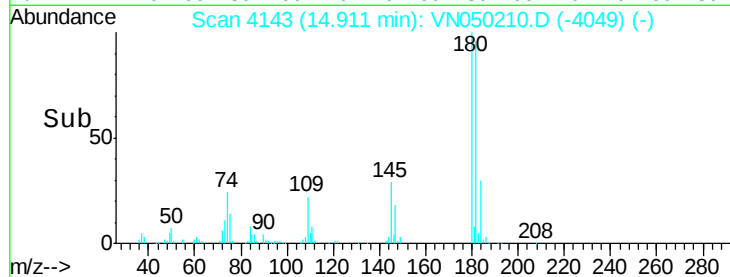
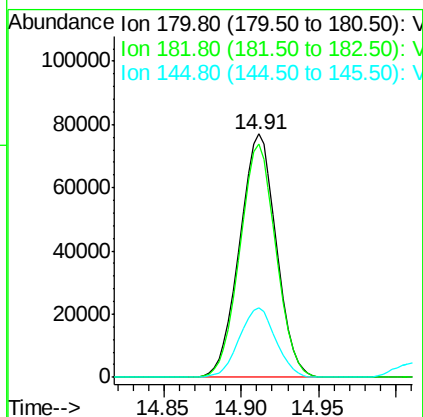
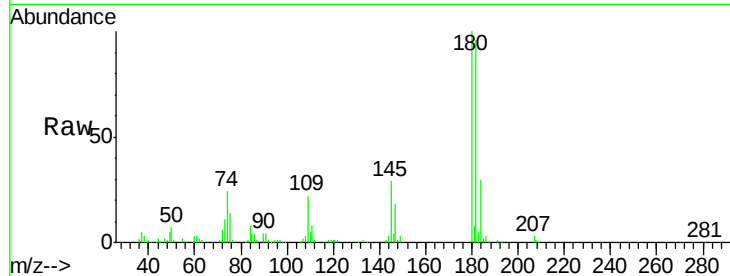




#93
 1,2,4-Trichlorobenzene
 Concen: 17.56 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

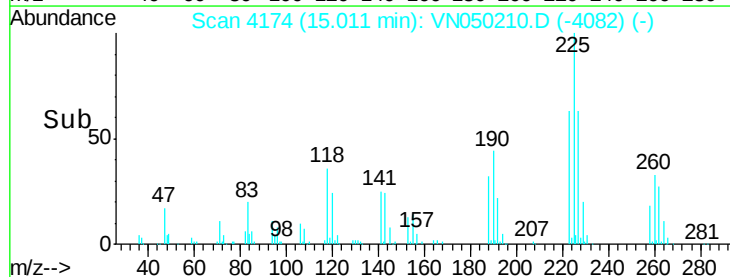
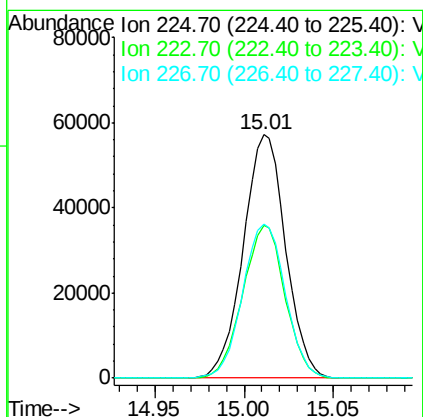
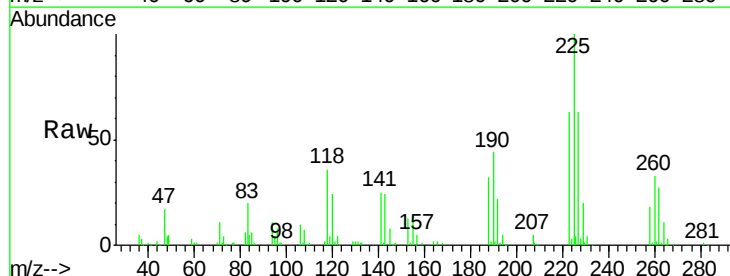
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS02

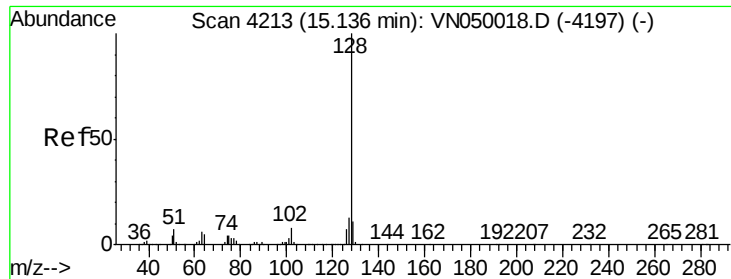
Tot Ion:180 Resp: 127204
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.7 140.1
 145 28.3 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.88 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050210.D
 Acq: 31 Jul 2018 13:13

Tgt Ion:225 Resp: 94666
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 64.0 32.1 96.5

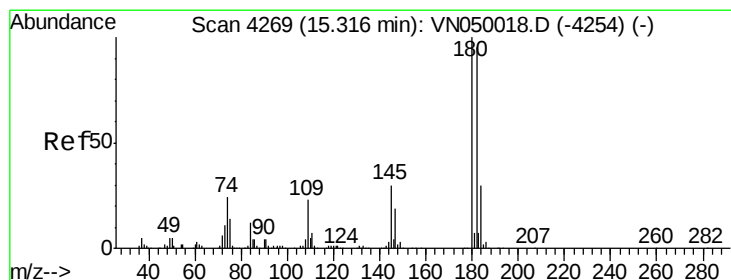
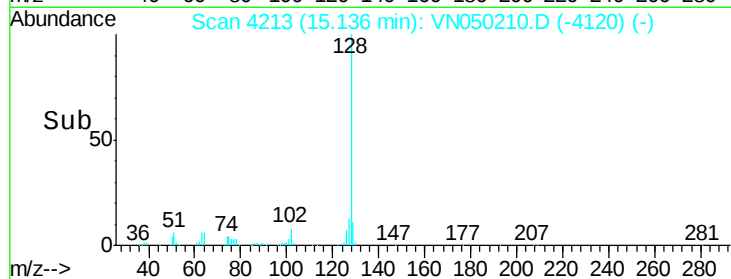
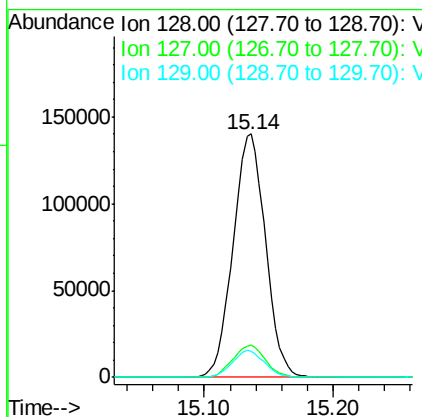
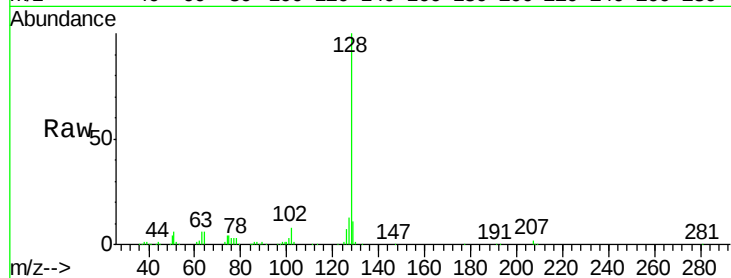




#95
Naphthalene
Concen: 15.86 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS02

Tot Ion:128 Resp: 244706
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.84 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050210.D
Acq: 31 Jul 2018 13:13

Tgt Ion:180 Resp: 131418
Ion Ratio Lower Upper
180 100
182 95.9 48.1 144.4
145 30.1 15.3 45.9

