

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050204.D
 Acq On : 31 Jul 2018 9:37
 Operator : MD\SY
 Sample : VN0731WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Quant Time: Jul 31 17:37:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	127516	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	704962	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	606236	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	261596	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	12.40	95	271555	29.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.20%
63) Toluene-d8	10.09	98	877461	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	179989	20.48	ug/l	96
3) Chloromethane	2.06	50	166487	18.38	ug/l	99
4) Vinyl Chloride	2.18	62	185599	19.24	ug/l	100
5) Bromomethane	2.57	94	58692	9.98	ug/l	97
6) Chloroethane	2.70	64	108910	19.09	ug/l	98
7) Trichlorofluoromethane	3.01	101	255550	20.27	ug/l	99
8) Diethyl Ether	3.41	74	80180	18.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160987	21.00	ug/l	98
10) 1,1-Dichloroethene	3.74	96	134188	19.74	ug/l	97
11) Methyl Iodide	3.95	142	69886	6.99	ug/l	100
12) Methyl Acetate	4.33	43	159589	20.49	ug/l	99
13) Acrolein	3.61	56	13858	28.79	ug/l	97
14) Acrylonitrile	4.99	53	223106	85.85	ug/l	99
15) Acetone	3.82	58	63222	91.54	ug/l	92
16) Carbon Disulfide	4.05	76	382938	18.41	ug/l	100
17) Allyl chloride	4.33	41	207067	19.29	ug/l	99
18) Methylene Chloride	4.55	84	157112	20.03	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	141590	19.45	ug/l	100
20) Diisopropyl ether	5.95	45	450259	20.45	ug/l	99
21) 1,1-Dichloroethane	5.85	63	281395	20.33	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	162595	20.14	ug/l	99
23) tert-Butyl Alcohol	4.91	59	138	0.24	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	346932	18.71	ug/l	99
25) Chloroform	7.37	83	287036	20.48	ug/l	98
26) Cyclohexane	7.65	56	217193	19.74	ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	205957	18.83	ug/l	100
30) 2-Butanone	6.84	43	271575	79.11	ug/l	99
31) 2,2-Dichloropropane	6.83	77	230649	19.07	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	240046	18.64	ug/l	98
33) Carbon Tetrachloride	7.77	117	215962	18.81	ug/l	100
34) Benzene	8.04	78	635573	19.13	ug/l	98
35) Methacrylonitrile	7.17	41	42695	10.92	ug/l	94
36) 1,2-Dichloroethane	8.13	62	201358	18.46	ug/l	99
37) Trichloroethene	8.84	130	163914	18.81	ug/l	94
38) Methylcyclohexane	9.08	83	211058	18.30	ug/l	100
39) 1,2-Dichloropropane	9.12	63	170798	19.51	ug/l	100
40) Dibromomethane	9.21	93	98058	18.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	215544	18.89	ug/l	97
42) Vinyl Acetate	5.90	43	1349785	83.55	ug/l	99
43) Ethyl Acetate	6.93	43	110921	15.47	ug/l	96
44) Isopropyl Acetate	8.17	43	241390	18.18	ug/l	92
45) 1,4-Dioxane	9.20	88	26028	297.84	ug/l	94
46) Methyl methacrylate	9.20	41	103003	16.00	ug/l	98
47) n-amyl Acetate	12.07	43	151528	14.66	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	196807	18.09	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	235400	18.42	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	141264	18.19	ug/l	99
51) Ethyl methacrylate	10.43	69	151816	16.11	ug/l	99
52) 1,3-Dichloropropane	10.71	76	229113	17.97	ug/l	99
53) Dibromochloromethane	10.90	129	155062	17.60	ug/l	97
54) 1,2-Dibromoethane	11.01	107	133308	17.53	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	338368	79.33	ug/l	99
56) Bromoform	12.13	173	100114	16.09	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	586371	83.12	ug/l	99
59) 2-Hexanone	10.75	43	377659	78.47	ug/l	99
61) Tetrachloroethene	10.63	164	159651	19.44	ug/l	99
62) Toluene	10.16	91	671848	19.42	ug/l	99
64) Chlorobenzene	11.44	112	408598	19.48	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	160037	19.56	ug/l	100
66) Ethyl Benzene	11.51	91	677109	19.16	ug/l	100
67) m/p-Xylenes	11.62	106	527867	38.81	ug/l	99
68) o-Xylene	11.95	106	246319	19.03	ug/l	98
69) Styrene	11.96	104	389431	18.77	ug/l	98
70) Isopropylbenzene	12.25	105	671789	19.49	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	164170	17.35	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	194163	24.02	ug/l	58
73) Bromobenzene	12.53	156	166922	18.18	ug/l	97
74) n-propylbenzene	12.59	91	764330	19.04	ug/l	99
75) 2-Chlorotoluene	12.67	91	467295	19.38	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	551752	19.49	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37900	14.34	ug/l	92
78) 4-Chlorotoluene	12.77	91	456036	19.09	ug/l	100
79) tert-butylbenzene	12.99	119	475621	19.65	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	561669	19.58	ug/l	99
81) sec-Butylbenzene	13.17	105	636634	19.36	ug/l	99
82) p-Isopropyltoluene	13.29	119	538573	19.20	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	296752	18.56	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	277523	18.37	ug/l	99
85) n-Butylbenzene	13.62	91	410788	18.04	ug/l	99
86) Hexachloroethane	13.88	117	104465	18.63	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	292996	18.75	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23029	15.62	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	116312	15.58	ug/l	98
90) Hexachlorobutadiene	15.01	225	94728	19.25	ug/l	98
91) Naphthalene	15.14	128	209132	16.58	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	120586	15.88	ug/l	97

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QLast Update : Thu Jul 26 15:21:50 2018
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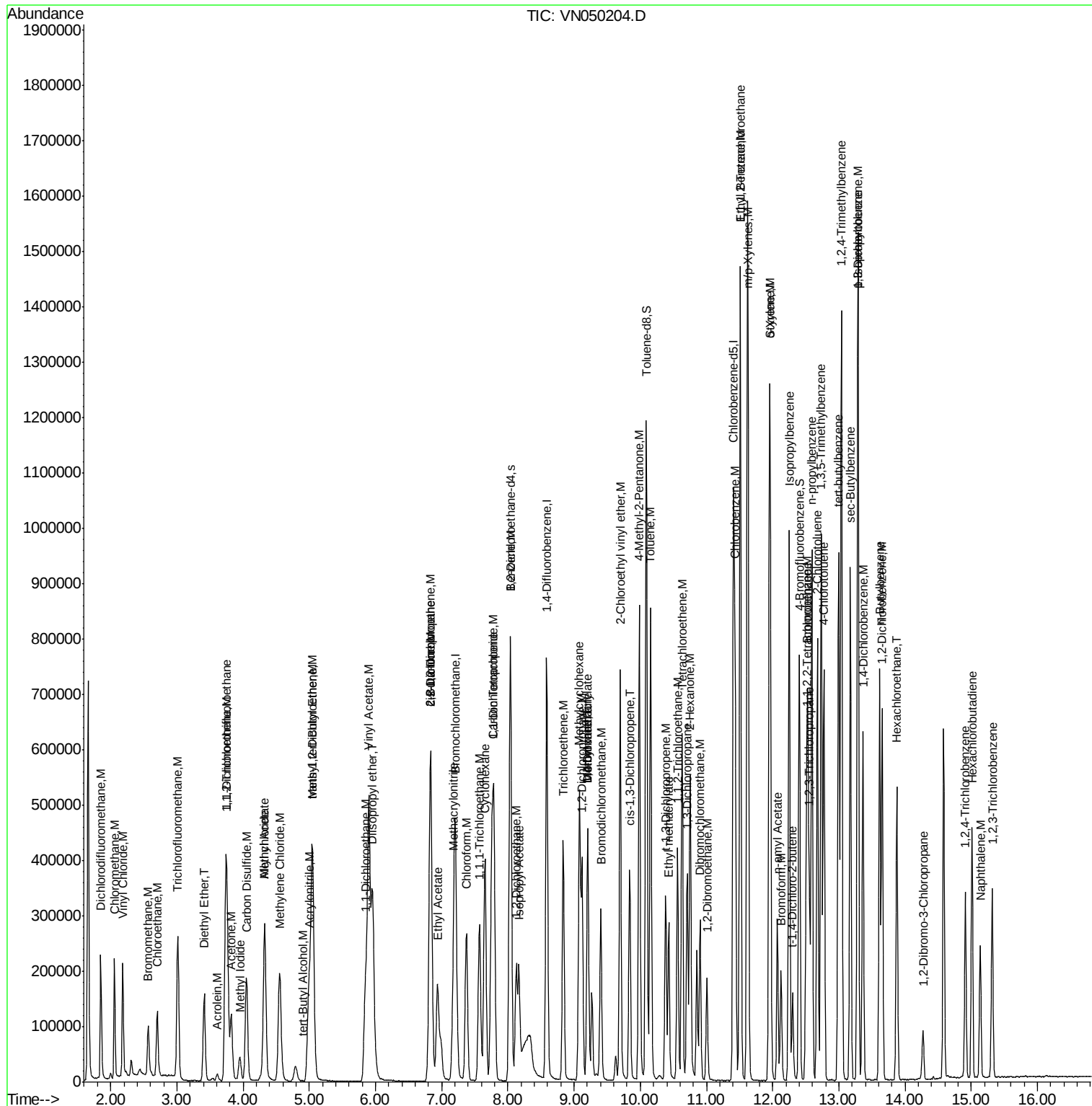
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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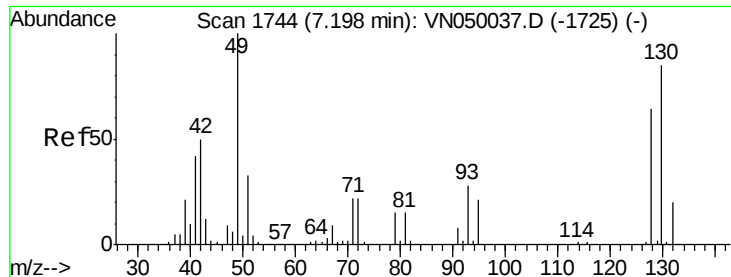
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

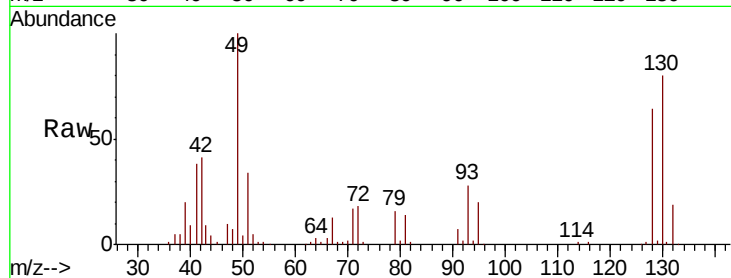
Tot Ion:128 Resp: 127516

Ion Ratio Lower Upper

128 100

49 158.5 0.0 378.3

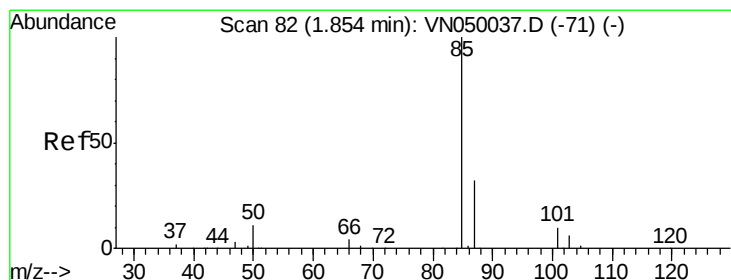
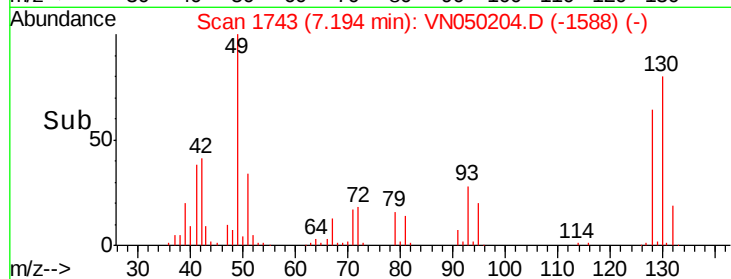
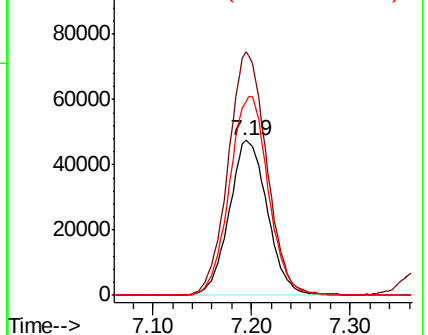
130 130.4 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.48 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050204.D

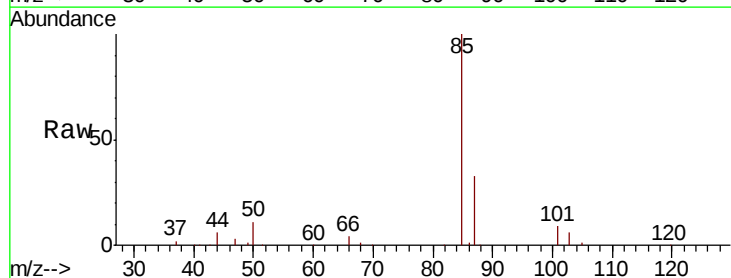
Acq: 31 Jul 2018 9:37

Tgt Ion: 85 Resp: 179989

Ion Ratio Lower Upper

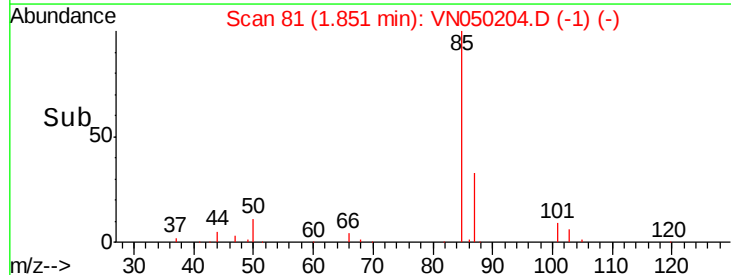
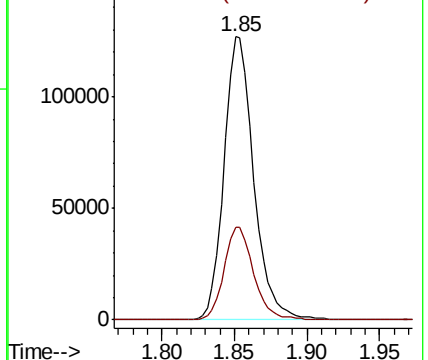
85 100

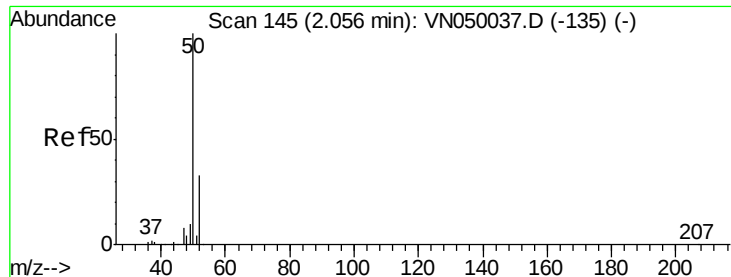
87 32.9 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.38 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

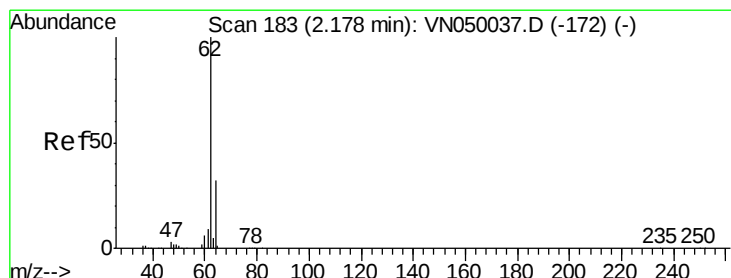
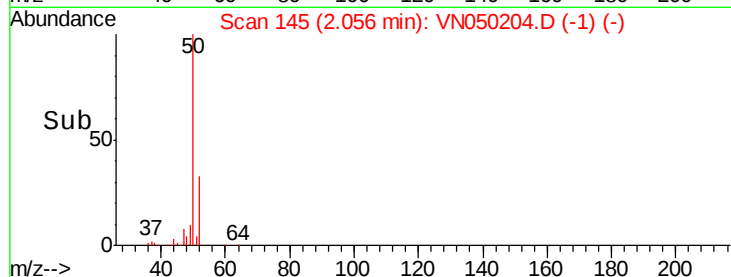
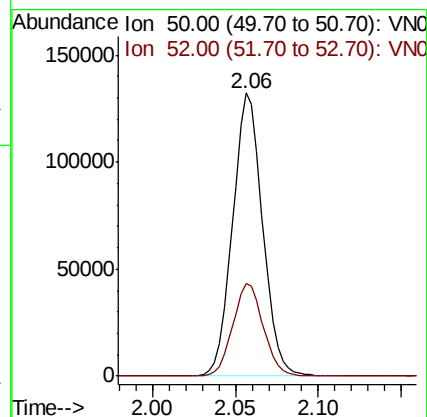
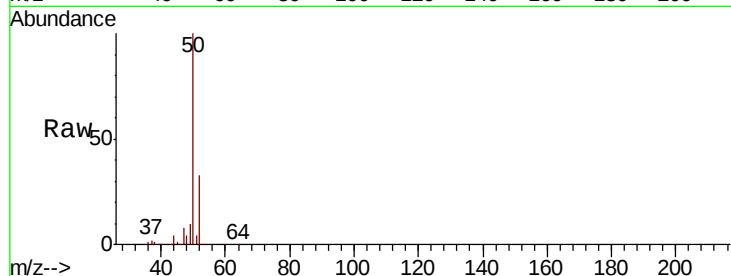
VN0731WBS01

Tot Ion: 50 Resp: 166487

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 19.24 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050204.D

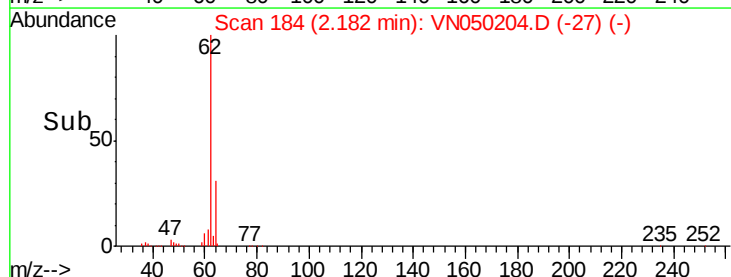
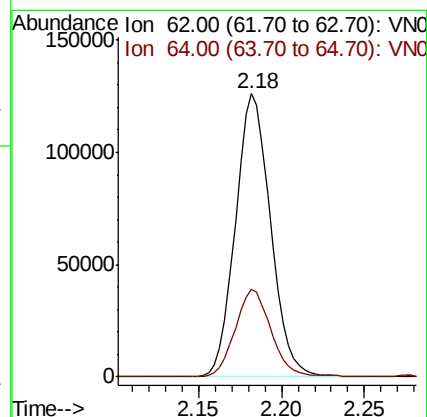
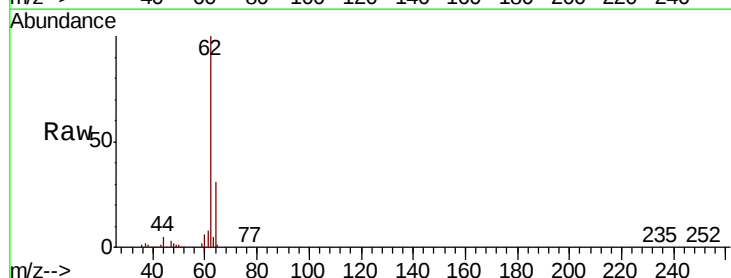
Acq: 31 Jul 2018 9:37

Tgt Ion: 62 Resp: 185599

Ion Ratio Lower Upper

62 100

64 30.6 24.4 36.6





#5

Bromomethane

Concen: 9.98 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

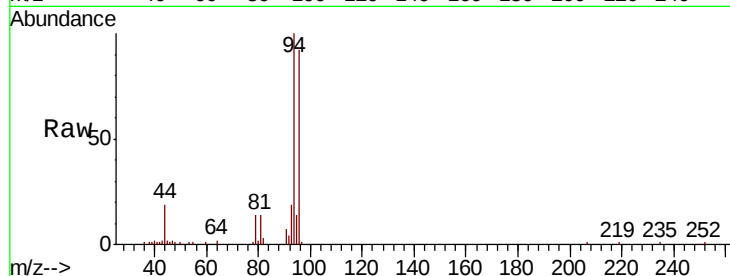
VN0731WBS01

Tot Ion: 94 Resp: 58692

Ion Ratio Lower Upper

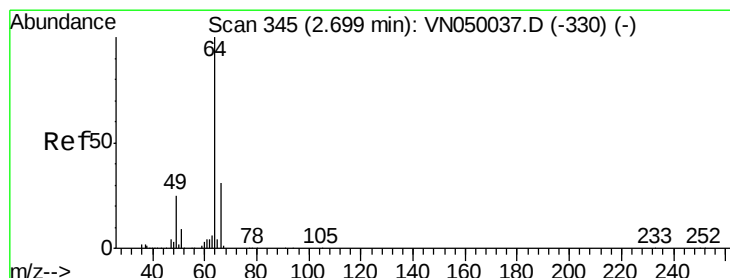
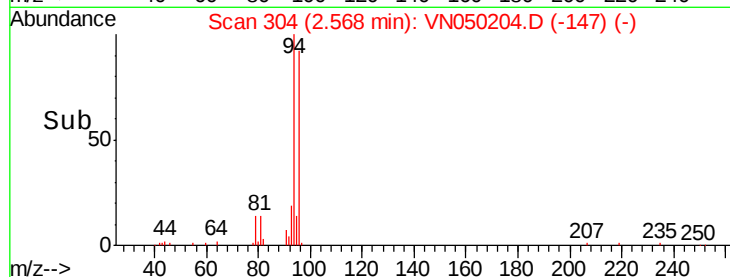
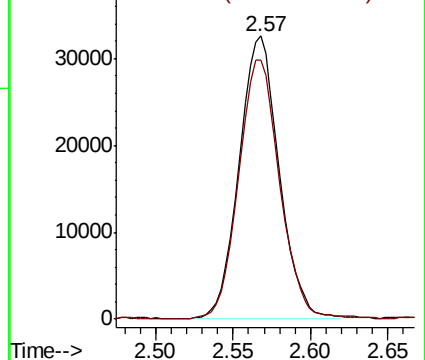
94 100

96 91.7 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.09 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050204.D

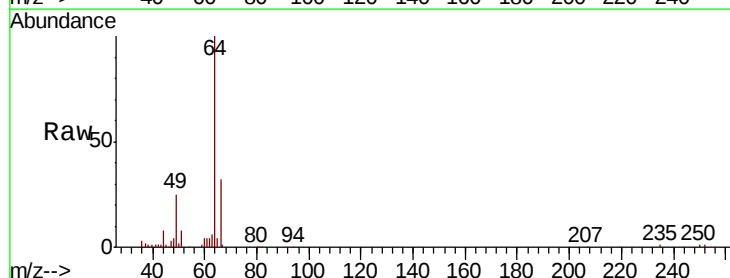
Acq: 31 Jul 2018 9:37

Tgt Ion: 64 Resp: 108910

Ion Ratio Lower Upper

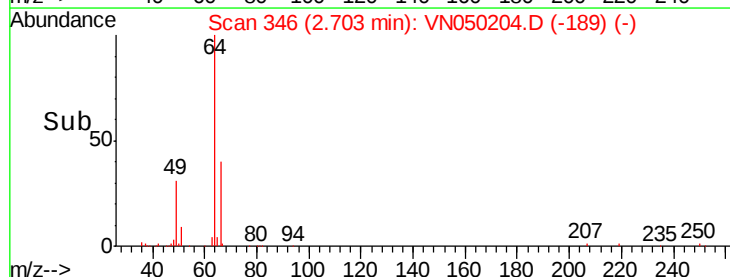
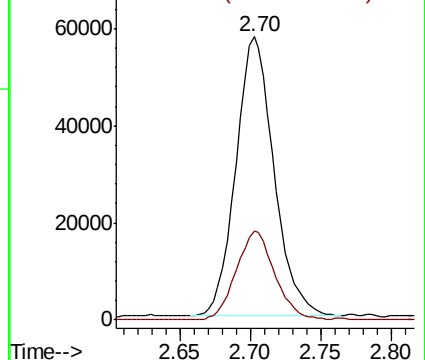
64 100

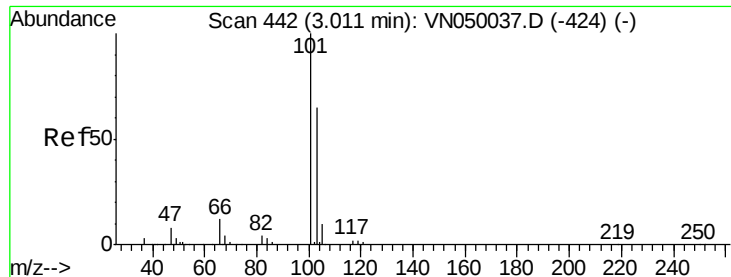
66 32.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



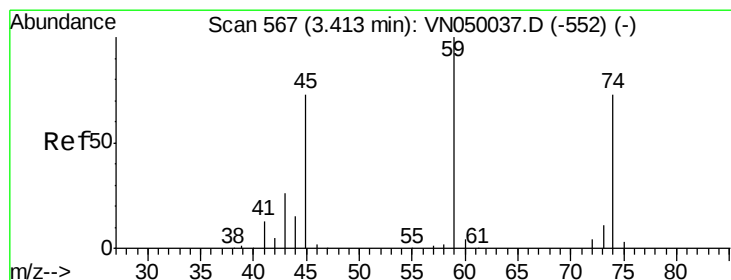
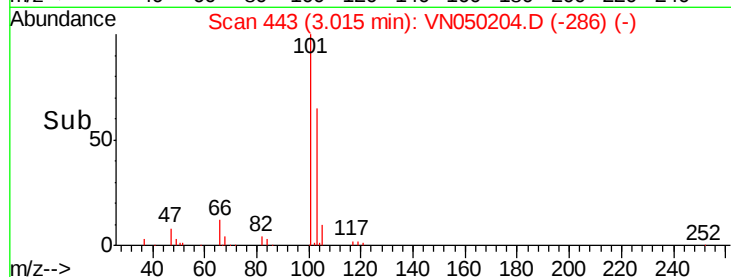
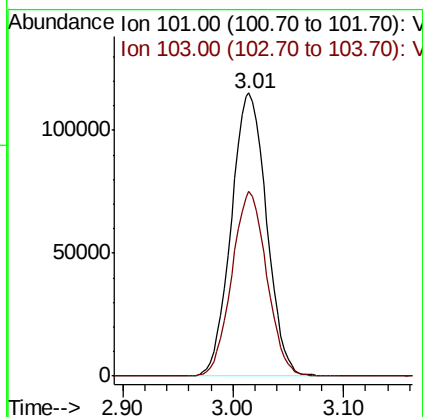
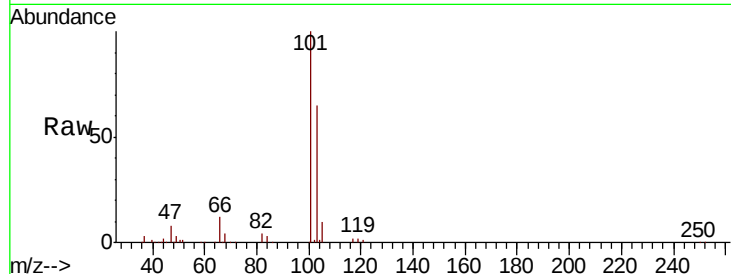


#7

Trichlorofluoromethane
 Concen: 20.27 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
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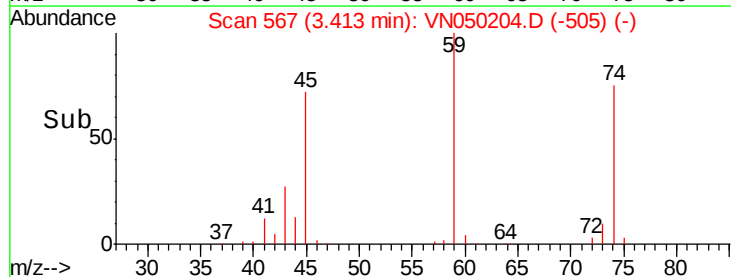
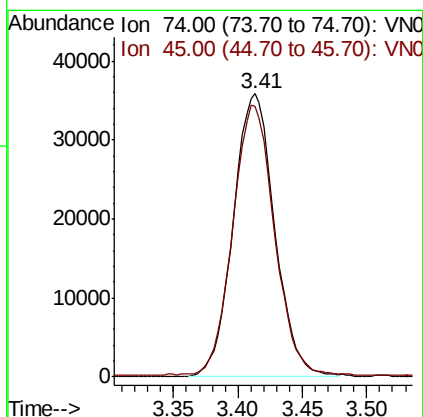
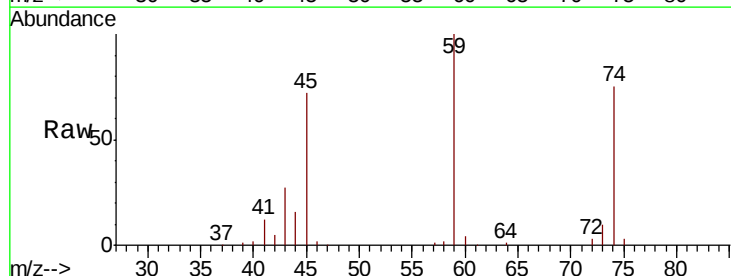
Tot Ion:101 Resp: 255550
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

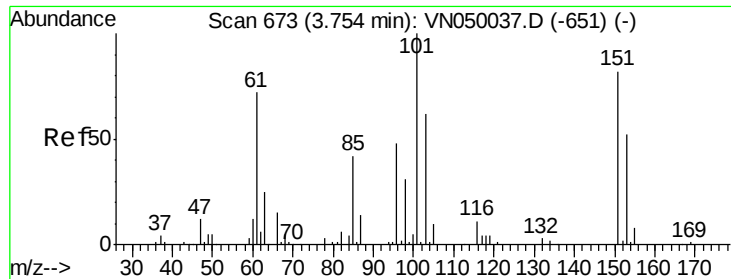


#8

Diethyl Ether
 Concen: 18.96 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 74 Resp: 80180
 Ion Ratio Lower Upper
 74 100
 45 94.7 18.7 167.9

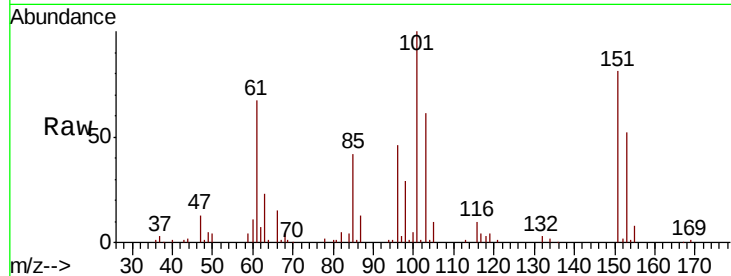




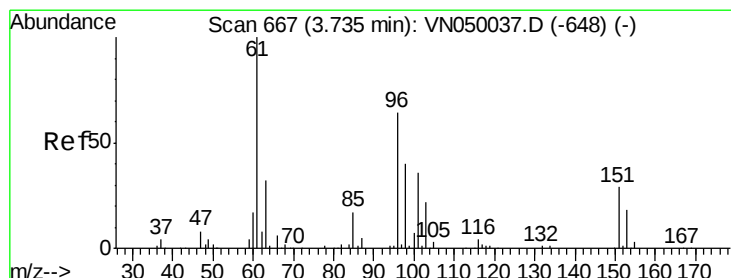
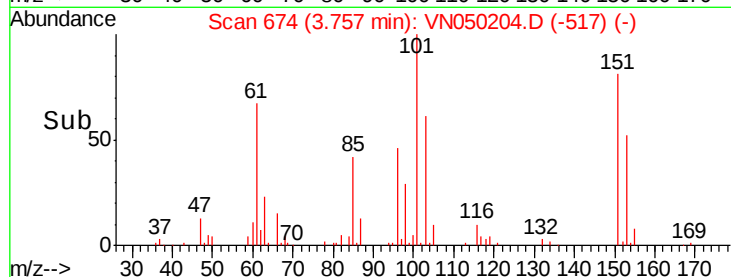
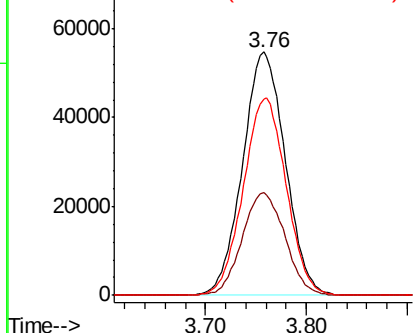
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.00 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion:101 Resp: 160987
 Ion Ratio Lower Upper
 101 100
 85 42.3 0.0 83.0
 151 81.4 0.0 166.8

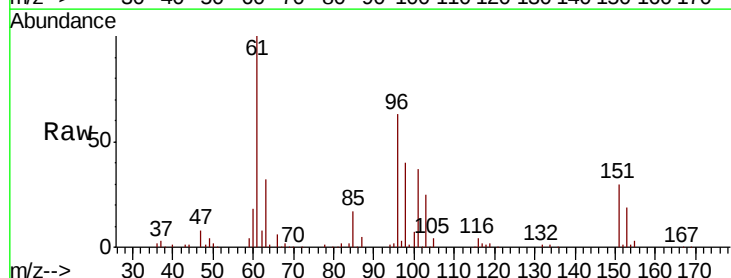


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

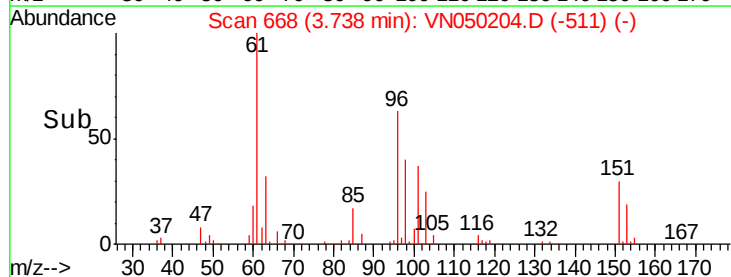
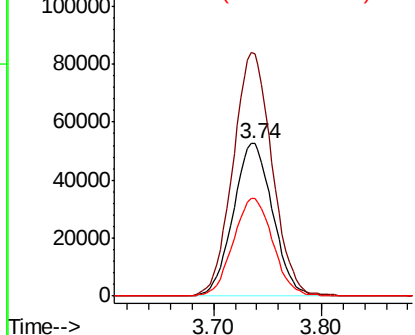


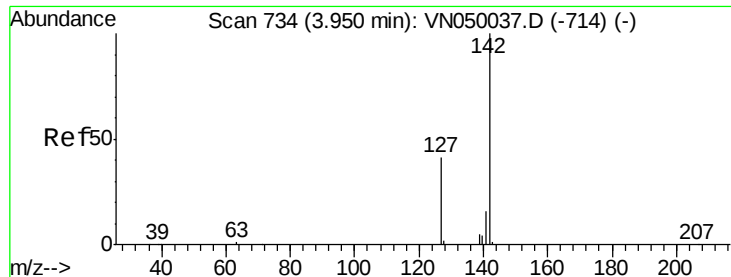
#10
 1,1-Dichloroethene
 Concen: 19.74 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 96 Resp: 134188
 Ion Ratio Lower Upper
 96 100
 61 159.1 130.6 195.8
 98 64.3 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

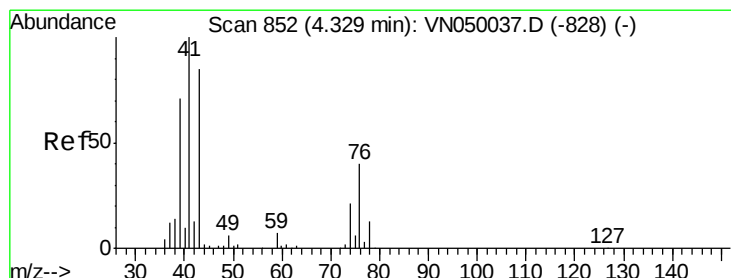
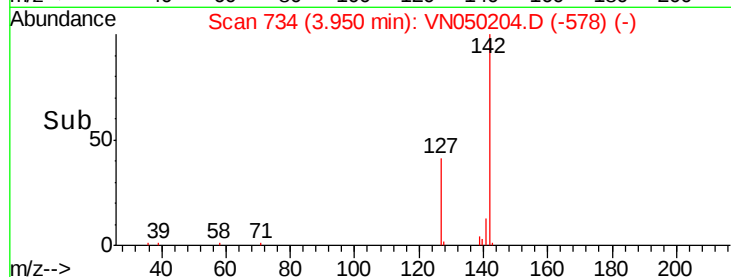
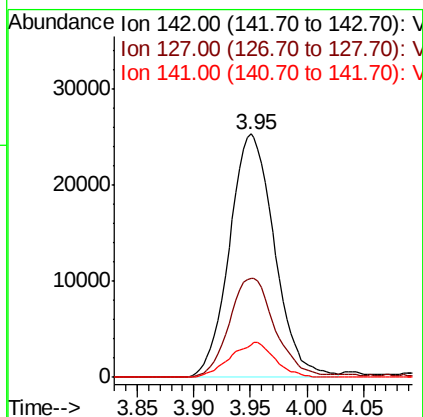
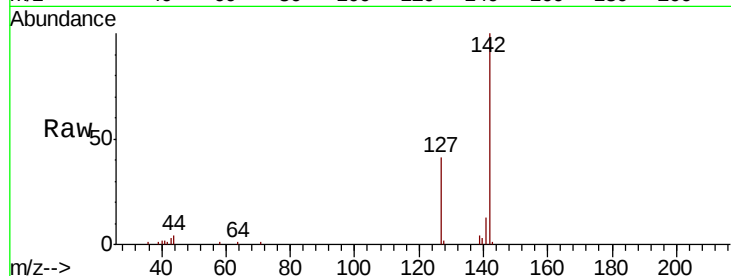




#11
Methyl Iodide
Concen: 6.99 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

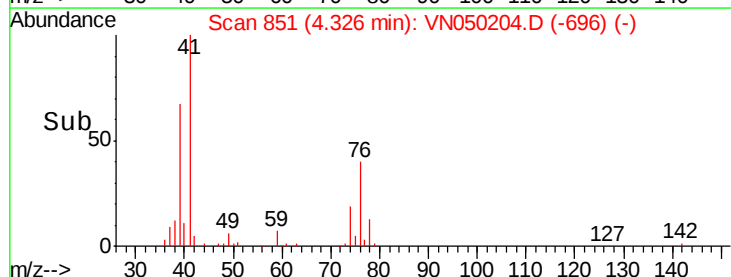
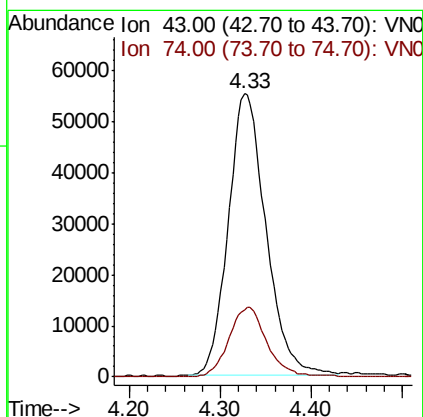
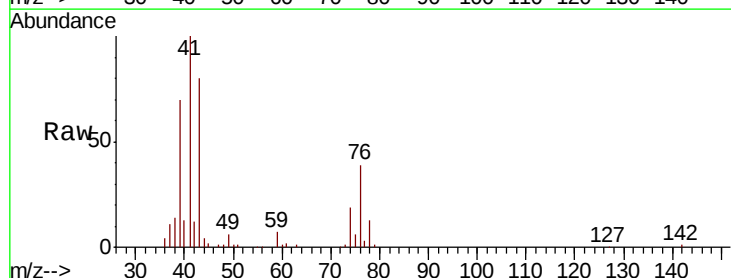
Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

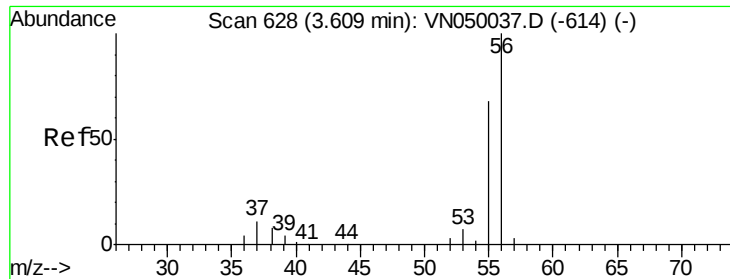
Tot Ion	Ratio	Lower	Upper
142	100		
127	40.6	20.2	60.5
141	13.6	6.9	20.6



#12
Methyl Acetate
Concen: 20.49 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.3	28.9





#13

Acrolein

Concen: 28.79 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

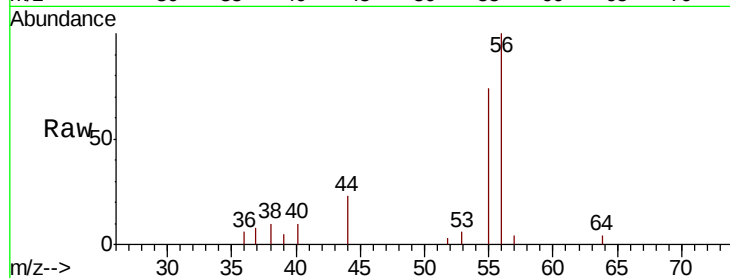
VN0731WBS01

Tot Ion: 56 Resp: 13858

Ion Ratio Lower Upper

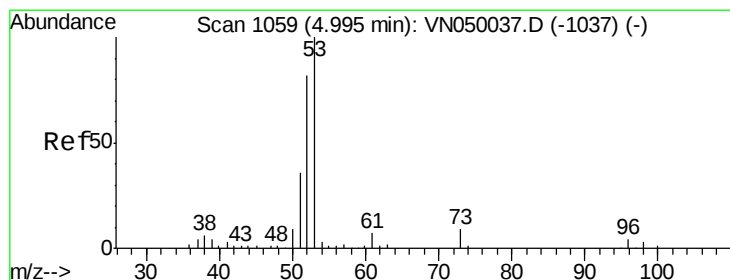
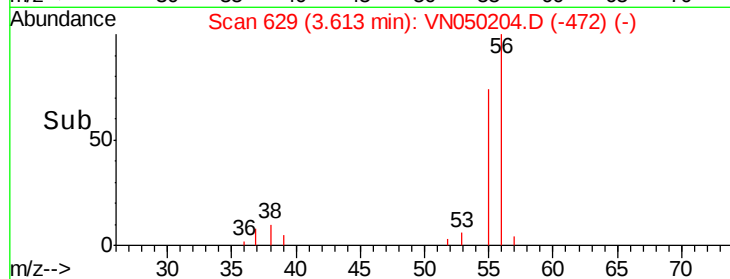
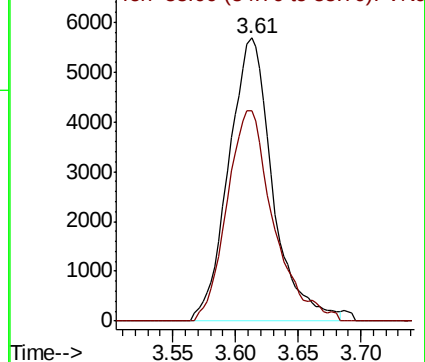
56 100

55 75.8 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 85.85 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

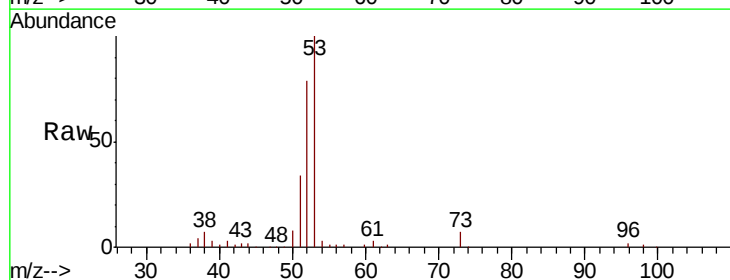
Tgt Ion: 53 Resp: 223106

Ion Ratio Lower Upper

53 100

52 82.1 41.5 124.5

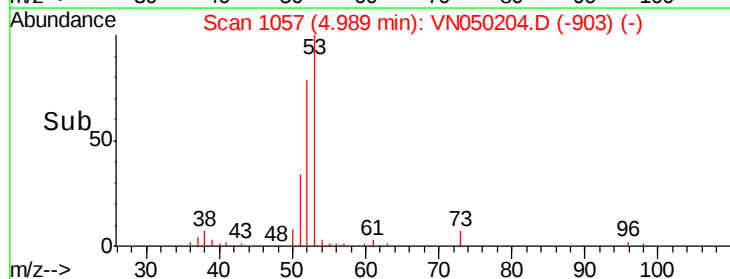
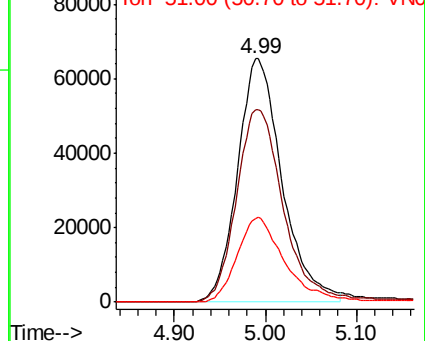
51 37.0 18.7 56.1

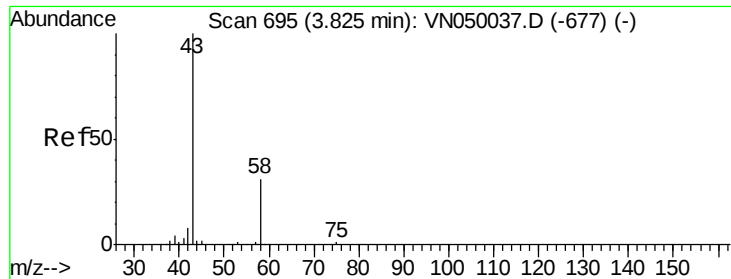


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 91.54 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

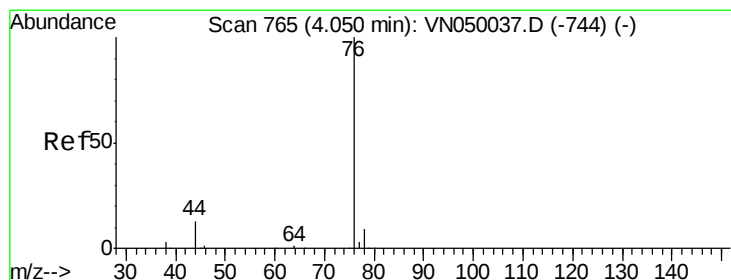
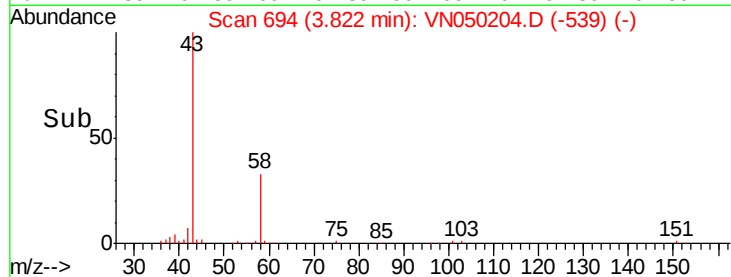
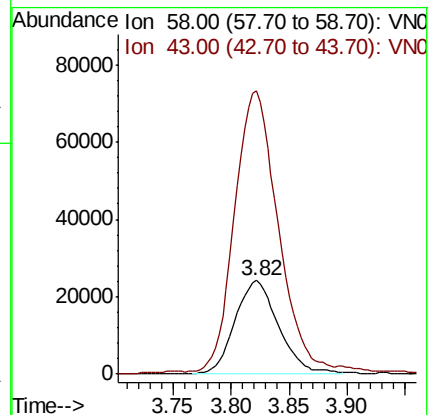
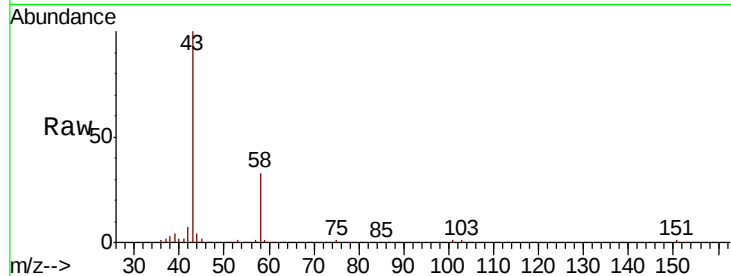
VN0731WBS01

Tot Ion: 58 Resp: 63222

Ion Ratio Lower Upper

58 100

43 298.7 252.0 378.0



#16

Carbon Disulfide

Concen: 18.41 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050204.D

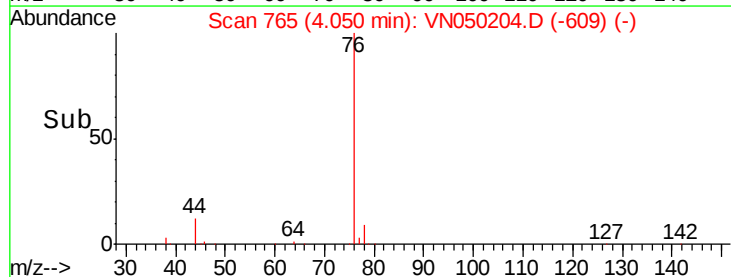
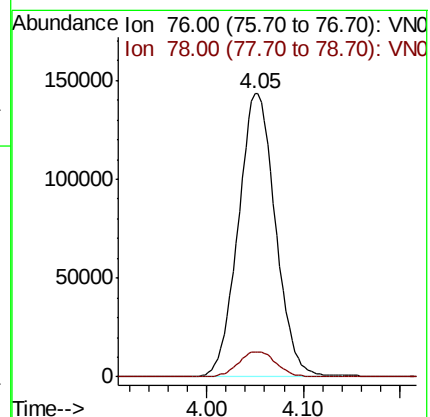
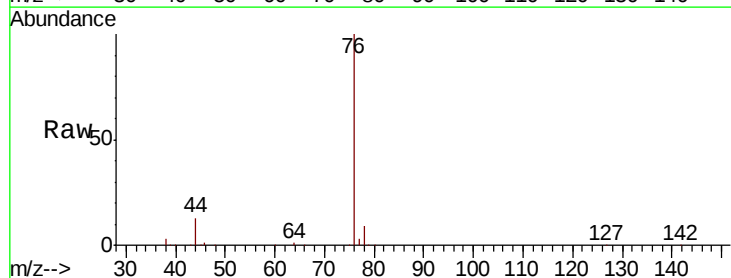
Acq: 31 Jul 2018 9:37

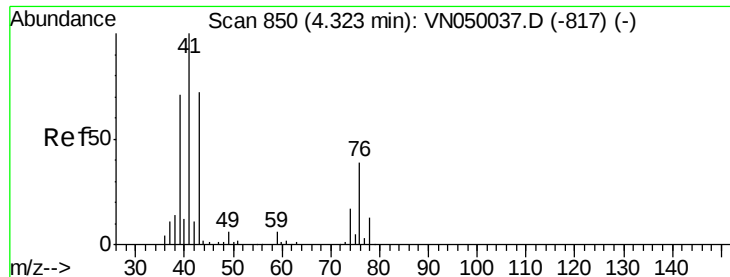
Tgt Ion: 76 Resp: 382938

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#17

Allvl chloride

Concen: 19.29 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

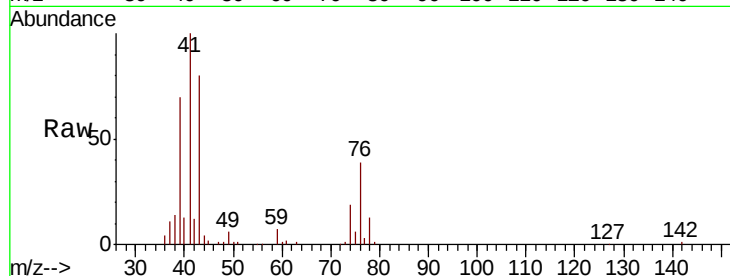
Tot Ion: 41 Resp: 207067

Ion Ratio Lower Upper

41 100

39 69.8 35.4 106.3

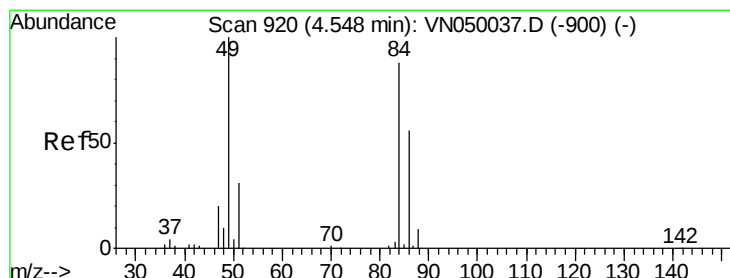
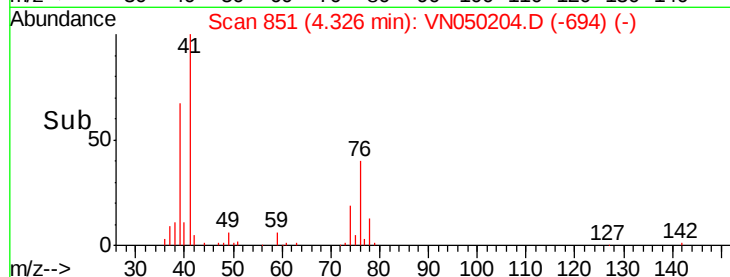
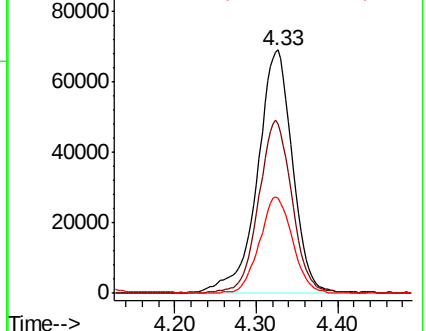
76 38.5 19.7 59.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.03 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Tgt Ion: 84 Resp: 157112

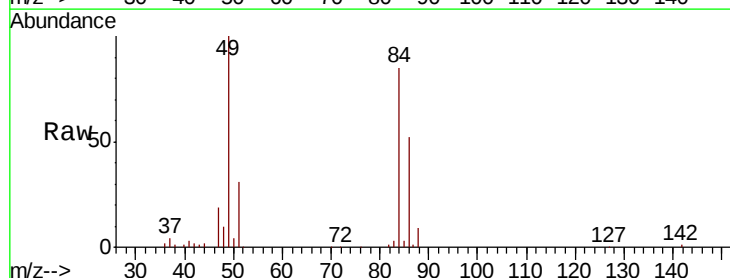
Ion Ratio Lower Upper

84 100

49 118.0 95.1 142.7

51 36.1 28.8 43.2

86 61.9 52.3 78.5

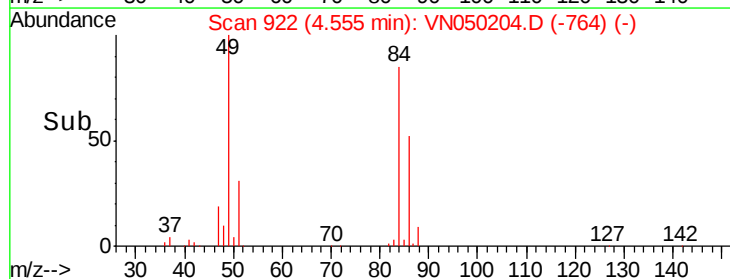
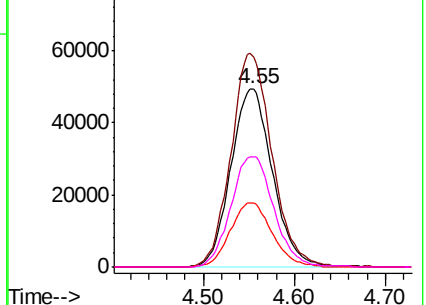


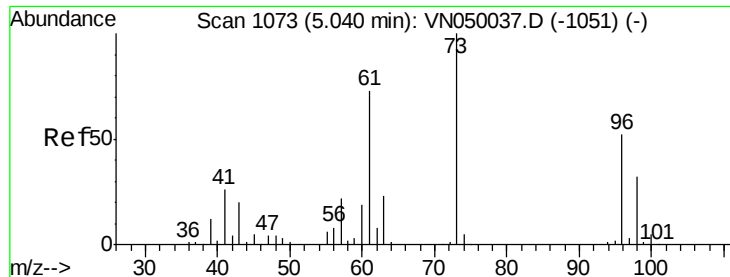
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

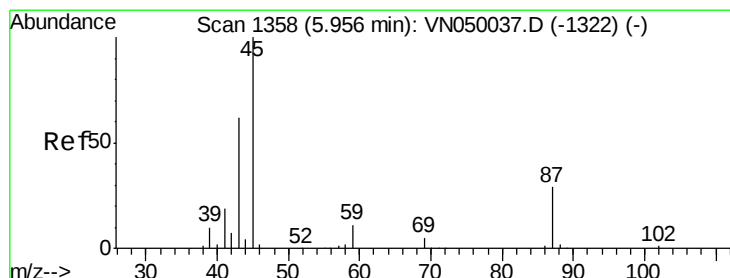
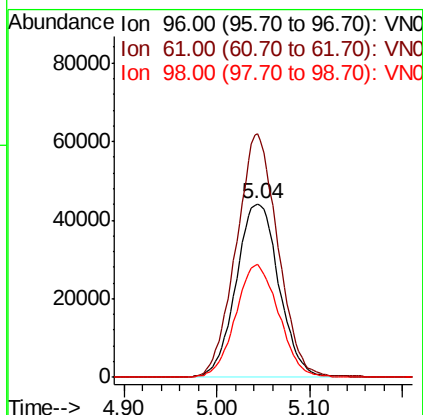
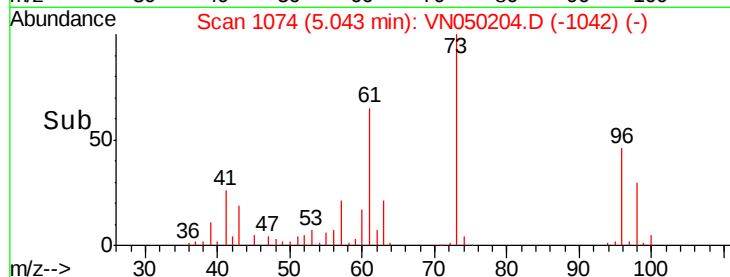
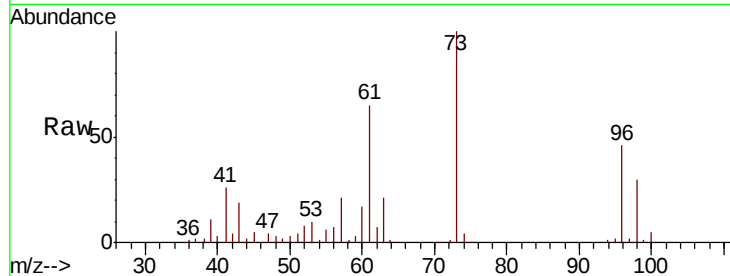




#19
trans-1,2-Dichloroethene
Concen: 19.45 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

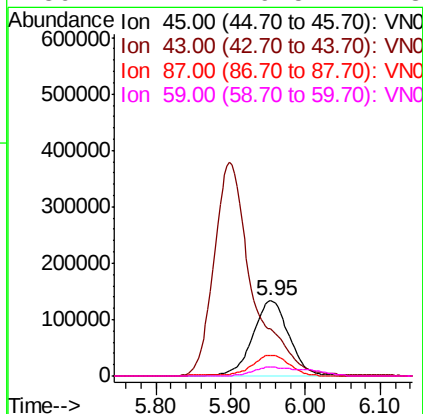
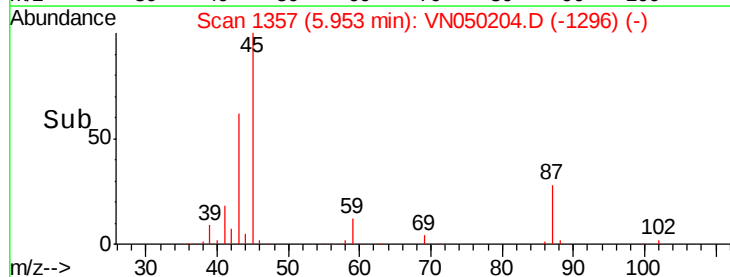
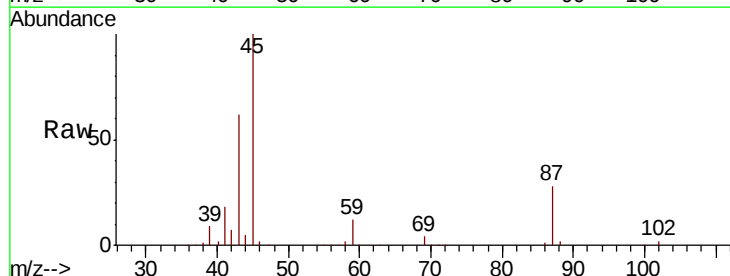
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

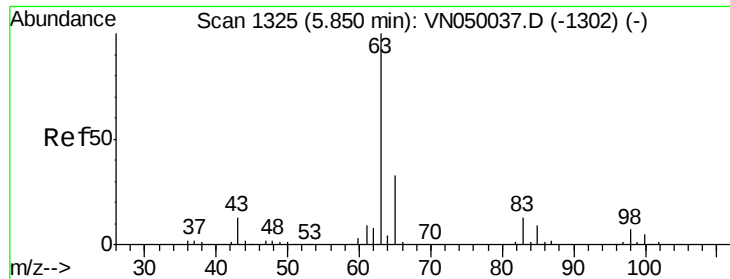
Tot Ion: 96 Resp: 141590
Ion Ratio Lower Upper
96 100
61 140.2 112.1 168.1
98 64.8 51.3 76.9



#20
Diisopropyl ether
Concen: 20.45 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 45 Resp: 450259
Ion Ratio Lower Upper
45 100
43 59.7 46.6 70.0
87 27.6 22.3 33.5
59 11.7 9.5 14.3

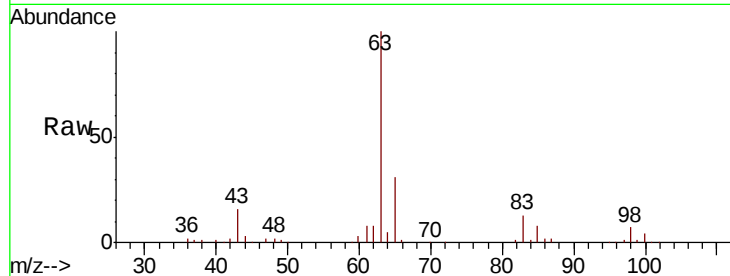




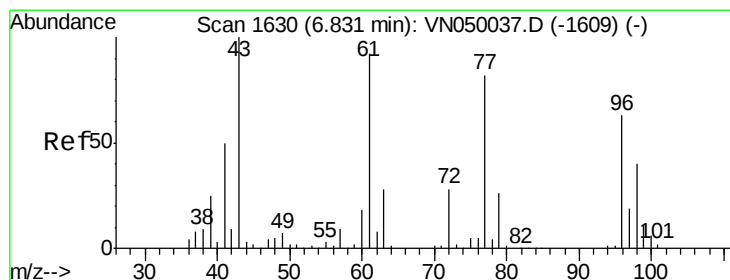
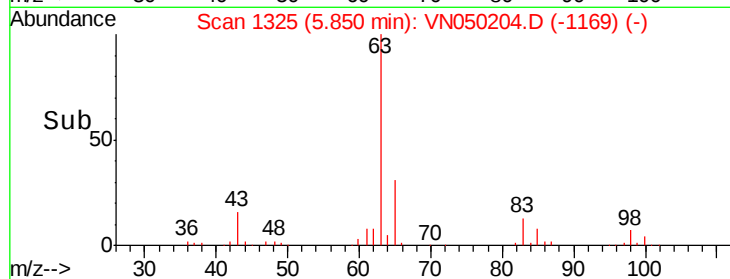
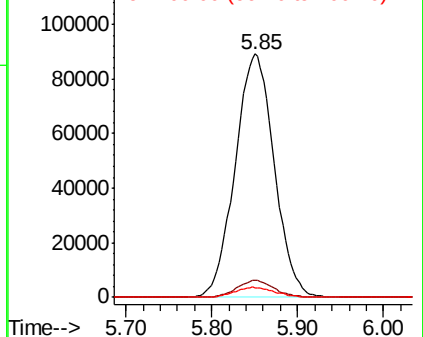
#21
 1,1-Dichloroethane
 Concen: 20.33 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.1	2.3	6.8

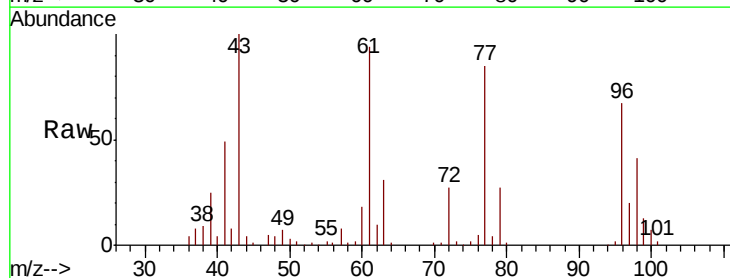


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

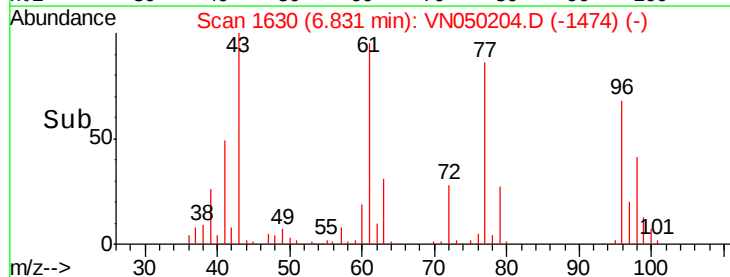
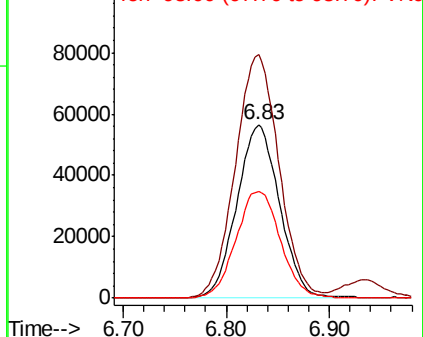


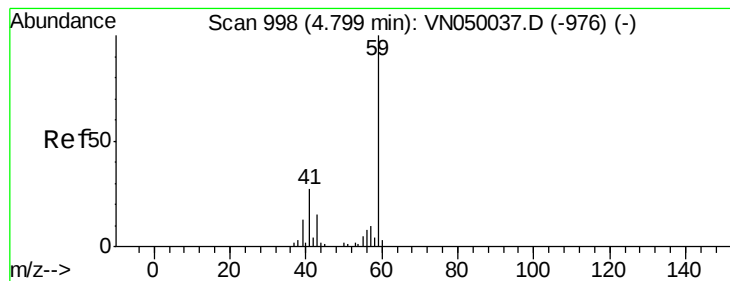
#22
 cis-1,2-Dichloroethene
 Concen: 20.14 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	114.2	171.2
98	64.3	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



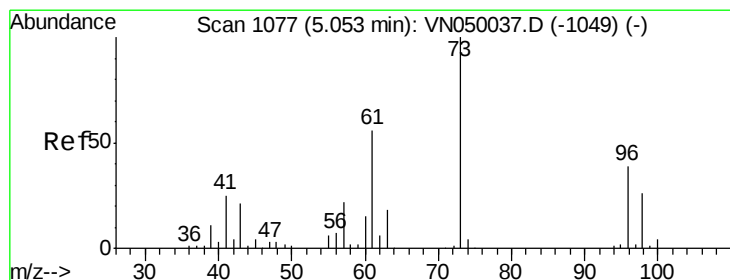
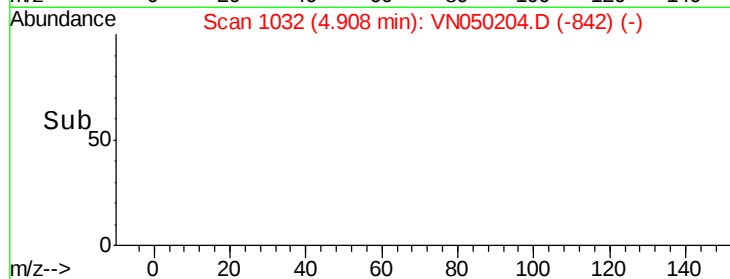
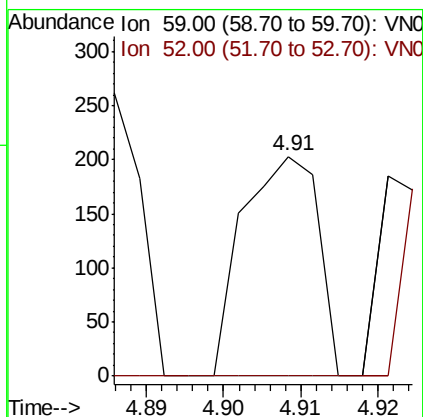
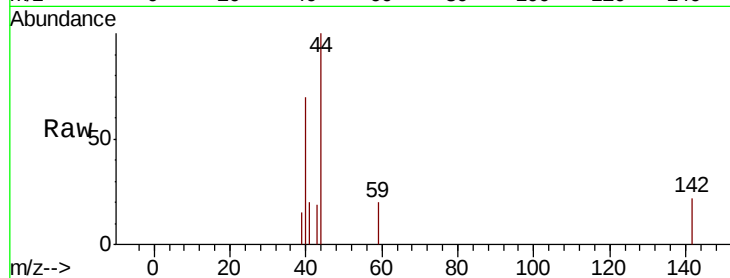


#23

tert-Butyl Alcohol
 Concen: 0.24 ug/l
 RT: 4.91 min Scan# 1032
 Delta R.T. 0.11 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

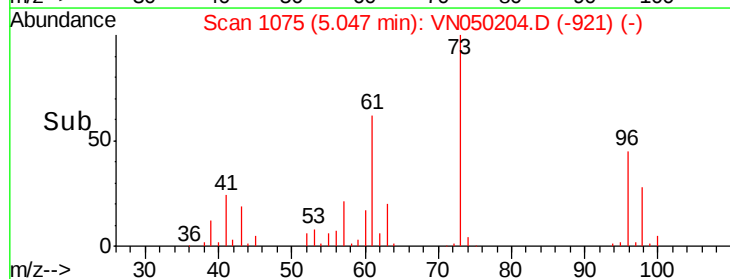
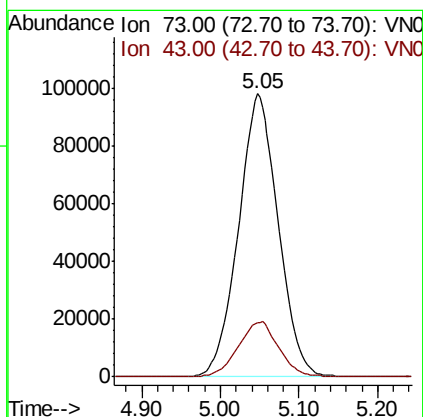
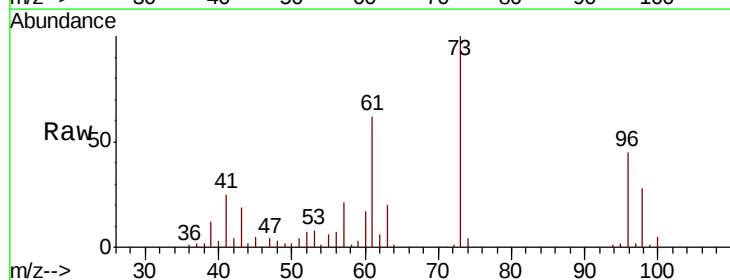
Tot Ion: 59 Resp: 138
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

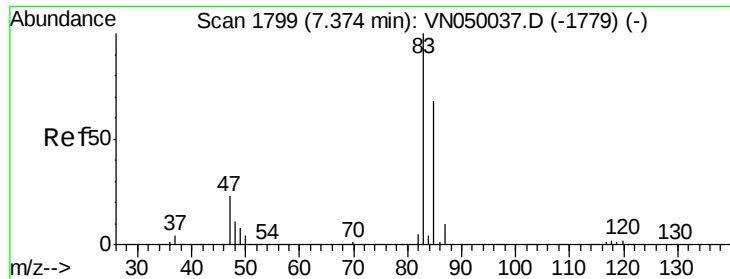


#24

Methyl tert-Butyl Ether
 Concen: 18.71 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 73 Resp: 346932
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.5 23.3





#25

Chloroform

Concen: 20.48 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

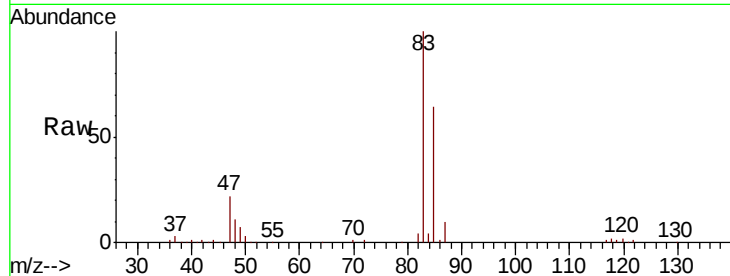
VN0731WBS01

Tot Ion: 83 Resp: 287036

Ion Ratio Lower Upper

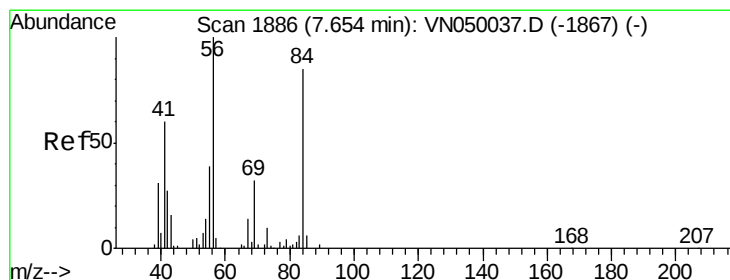
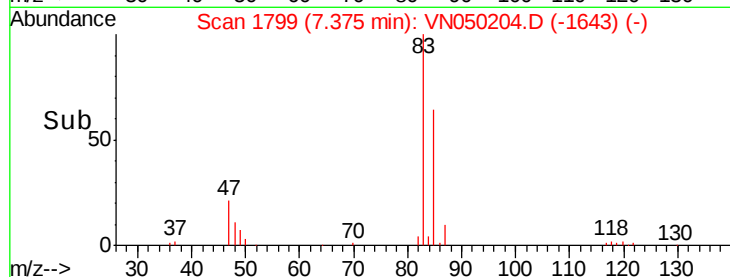
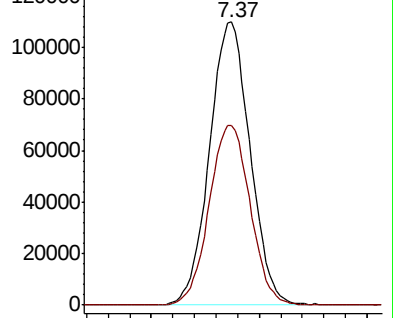
83 100

85 63.6 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.74 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

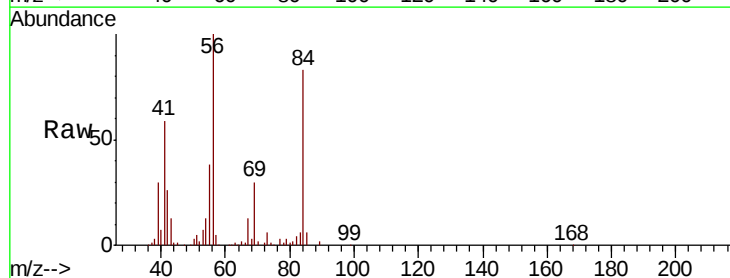
Tgt Ion: 56 Resp: 217193

Ion Ratio Lower Upper

56 100

89 1.7 3.0 4.4#

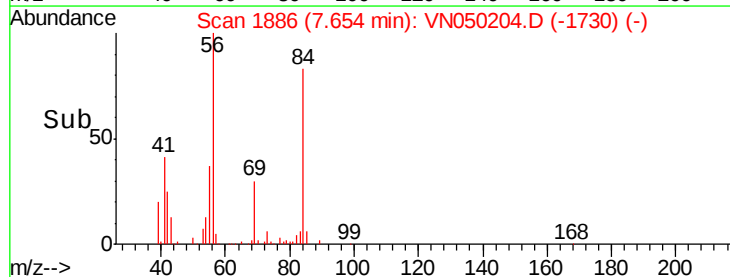
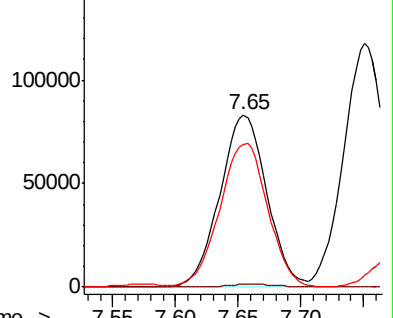
84 85.7 69.8 104.8

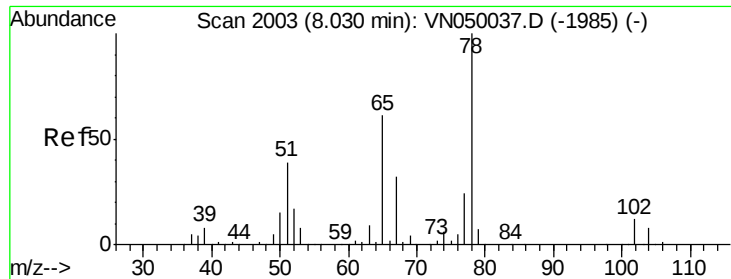


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.18 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

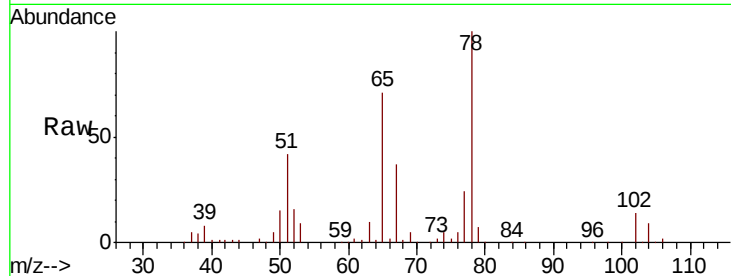
VN0731WBS01

Tot Ion: 65 Resp: 261596

Ion Ratio Lower Upper

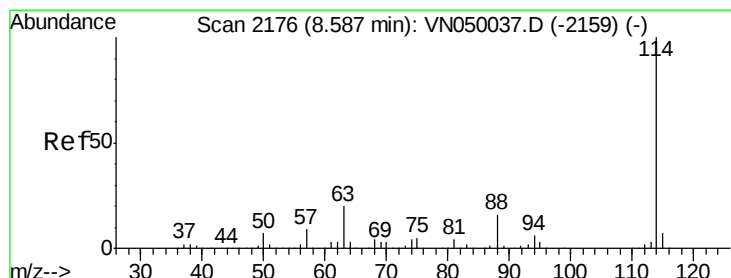
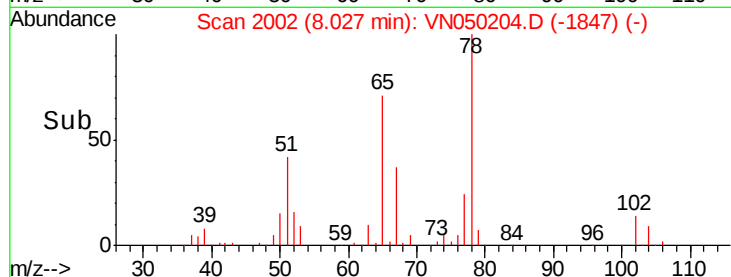
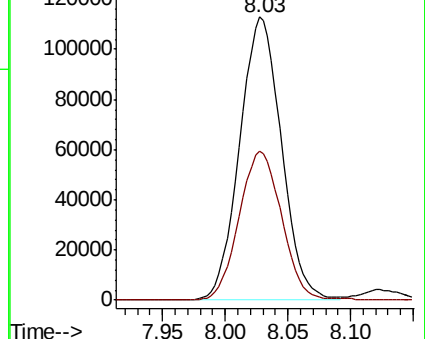
65 100

67 53.6 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

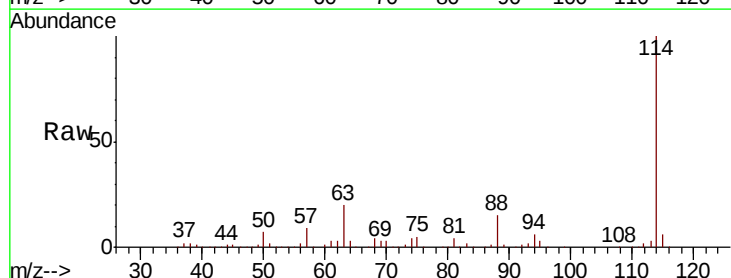
Tgt Ion: 114 Resp: 704962

Ion Ratio Lower Upper

114 100

63 19.7 16.2 24.2

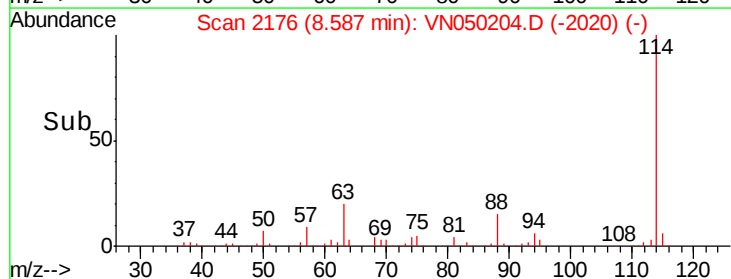
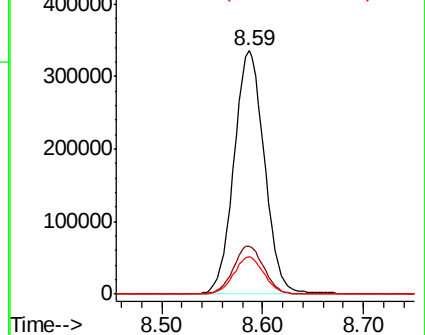
88 15.1 12.3 18.5

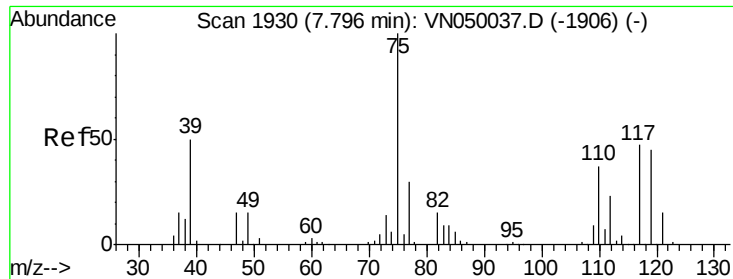


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

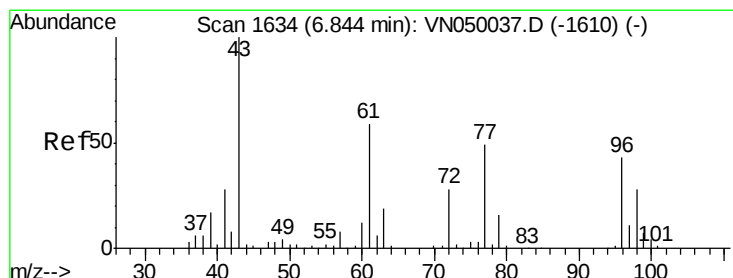
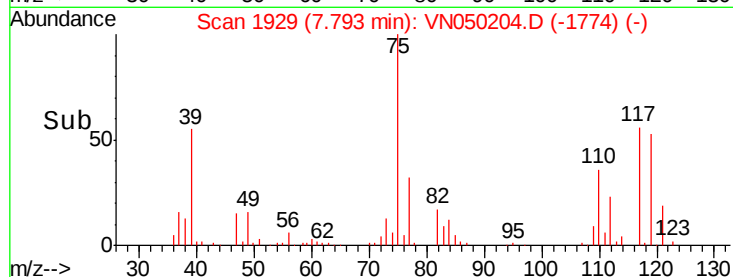
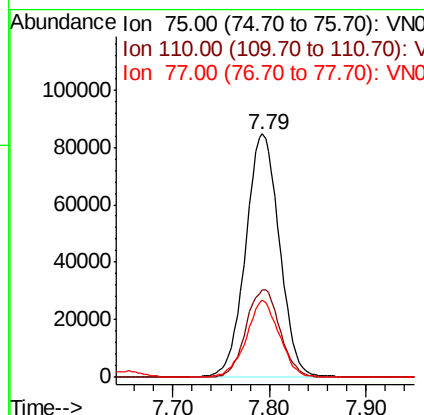
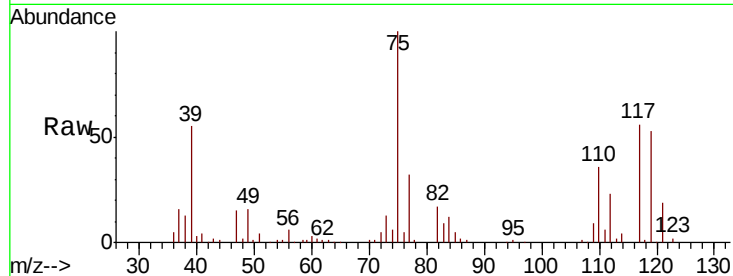




#29
 1,1-Dichloropropene
 Concen: 18.83 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

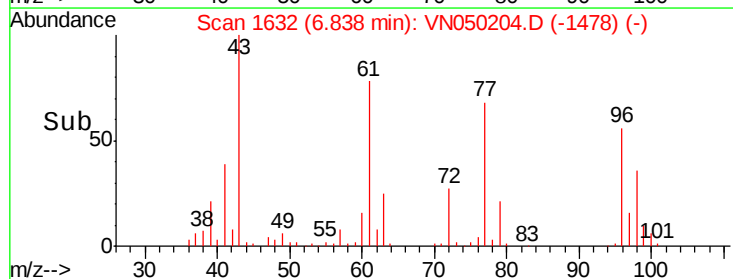
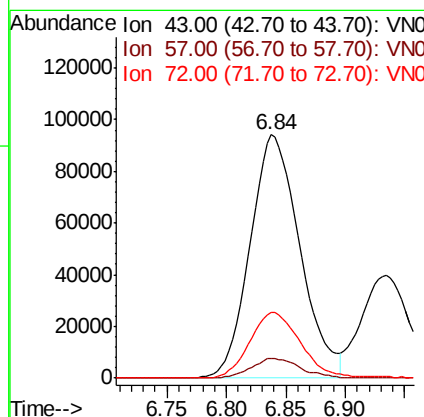
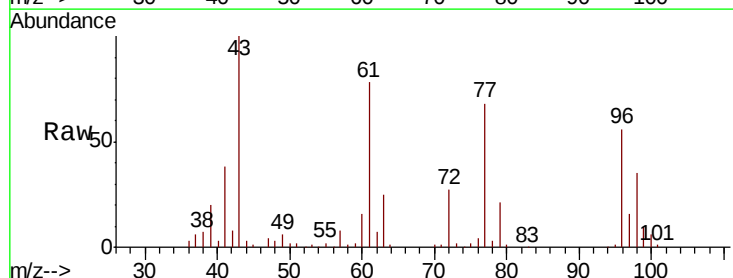
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

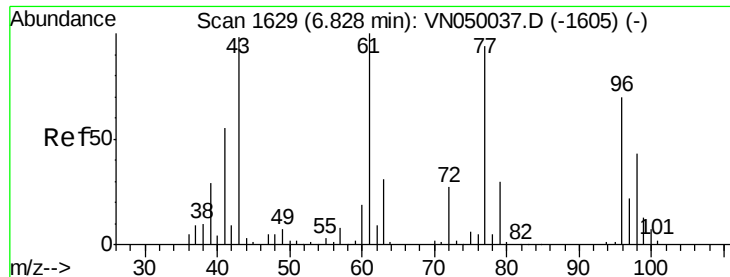
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	73.2
77	31.0	0.0	62.0



#30
 2-Butanone
 Concen: 79.11 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.8	10.2
72	27.4	21.4	32.0





#31

2,2-Dichloropropane

Concen: 19.07 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

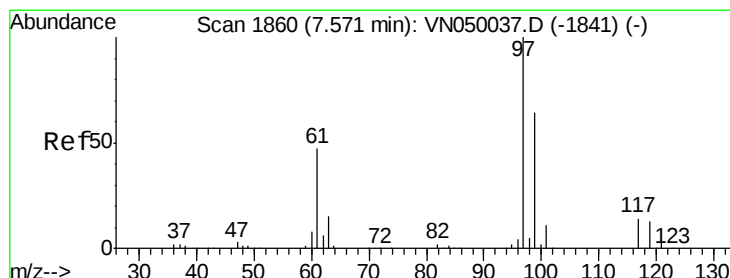
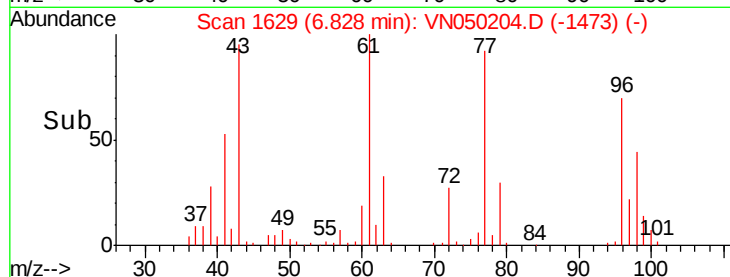
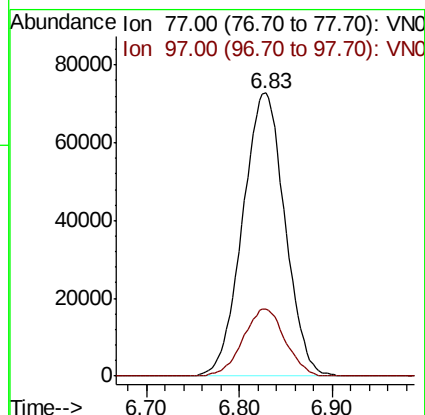
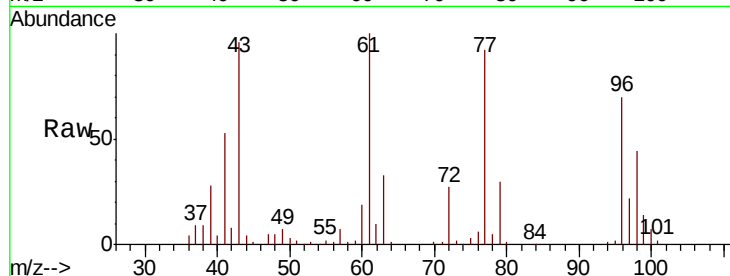
VN0731WBS01

Tot Ion: 77 Resp: 230649

Ion Ratio Lower Upper

77 100

97 23.6 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 18.64 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

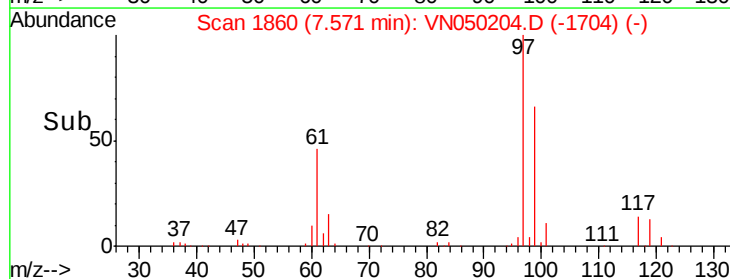
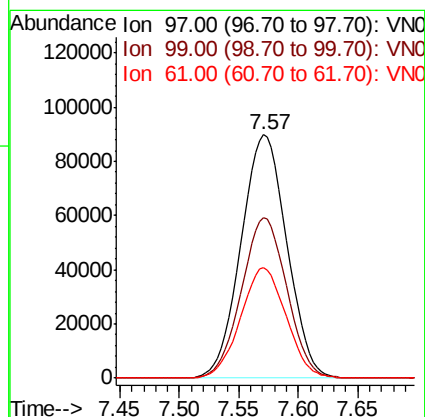
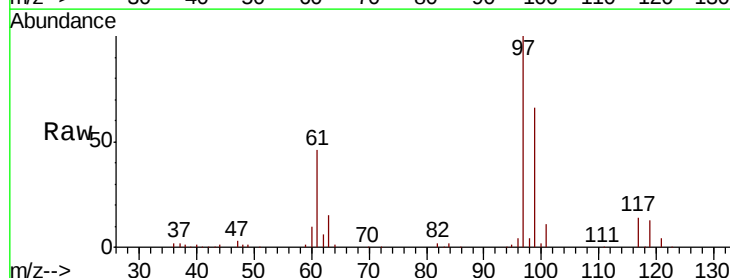
Tgt Ion: 97 Resp: 240046

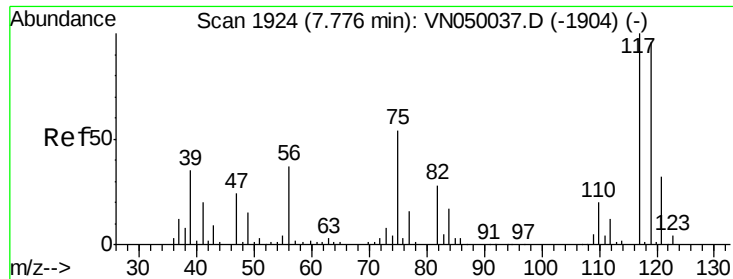
Ion Ratio Lower Upper

97 100

99 65.2 51.2 76.8

61 45.2 35.3 52.9

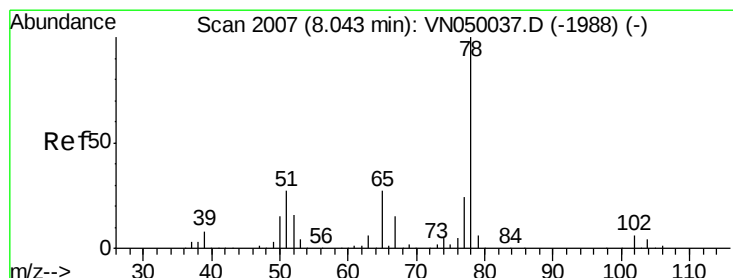
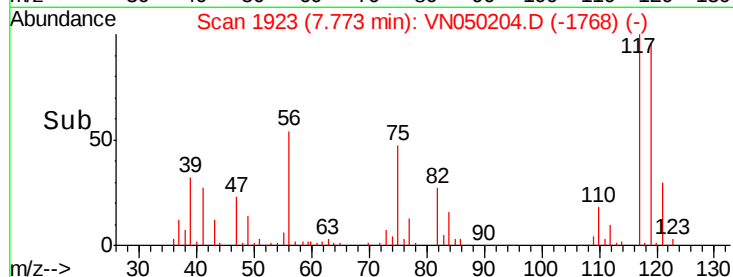
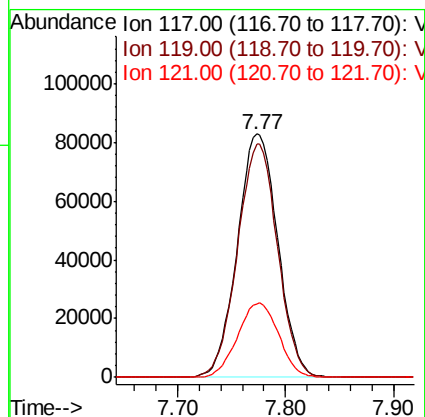
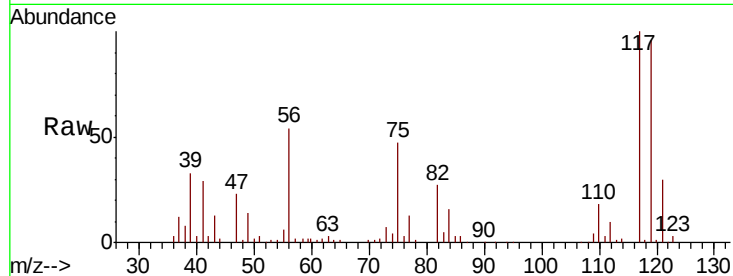




#33
Carbon Tetrachloride
Concen: 18.81 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

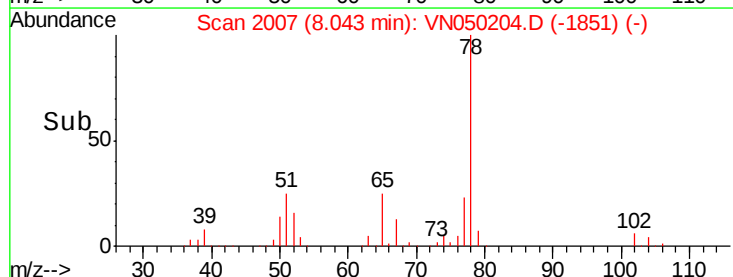
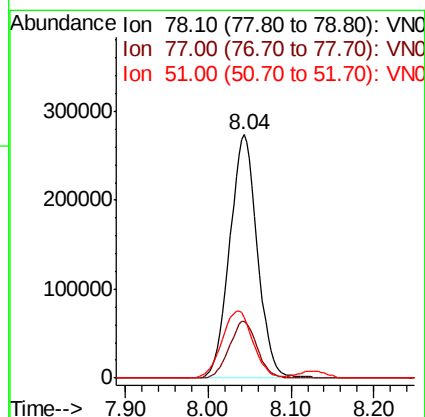
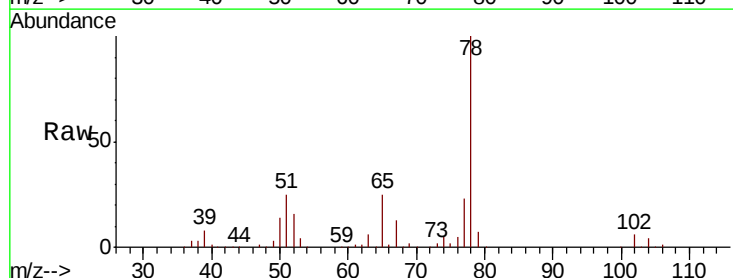
Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

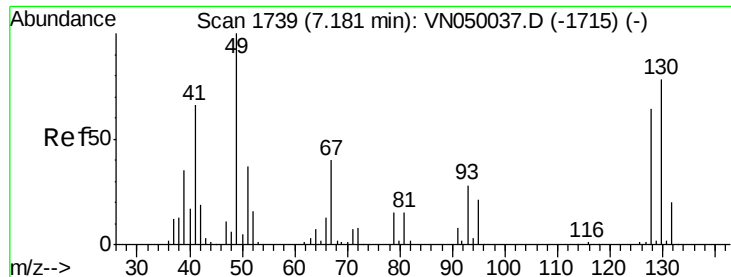
Tot Ion:117 Resp: 215962
Ion Ratio Lower Upper
117 100
119 96.0 76.9 115.3
121 30.1 24.4 36.6



#34
Benzene
Concen: 19.13 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 78 Resp: 635573
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7
51 24.8 21.0 31.4

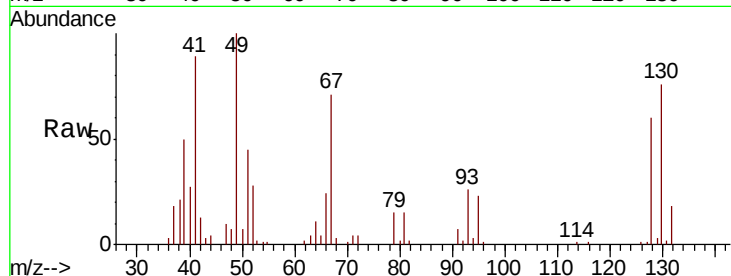




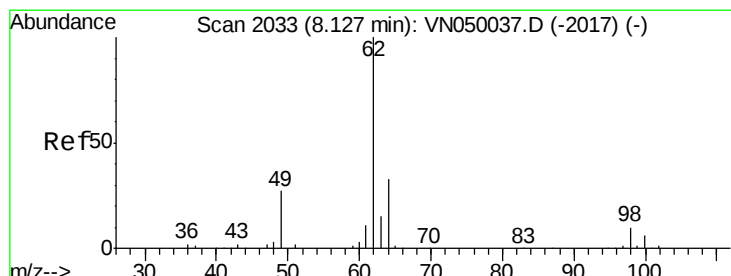
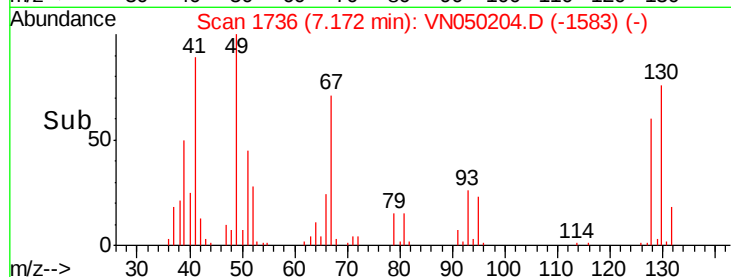
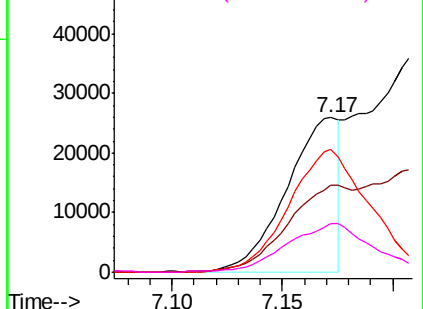
#35
Methacrylonitrile
Concen: 10.92 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

Tot Ion: 41 Resp: 42695
Ion Ratio Lower Upper
41 100
39 55.4 27.6 82.7
67 79.8 35.1 105.5
52 30.5 14.1 42.4

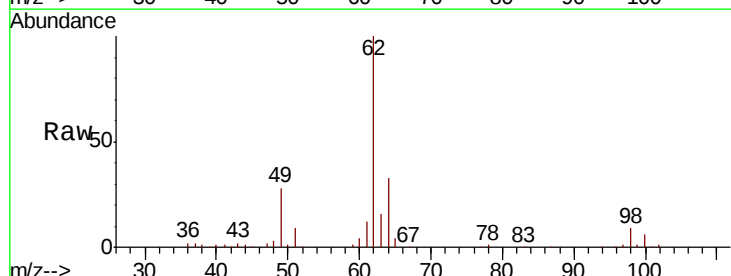


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

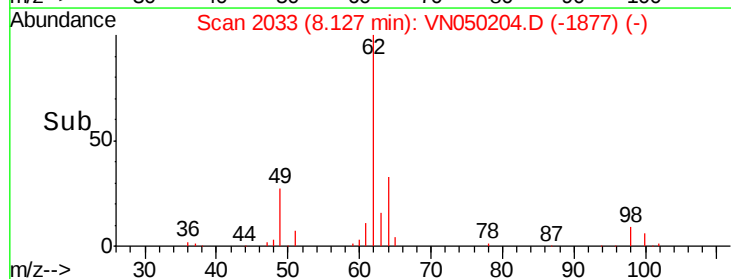
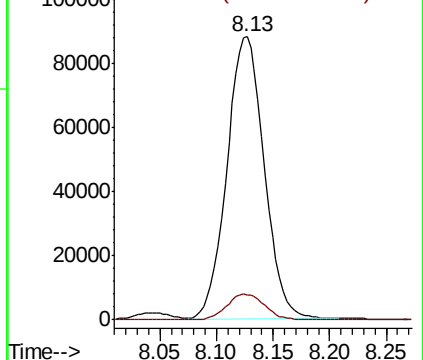


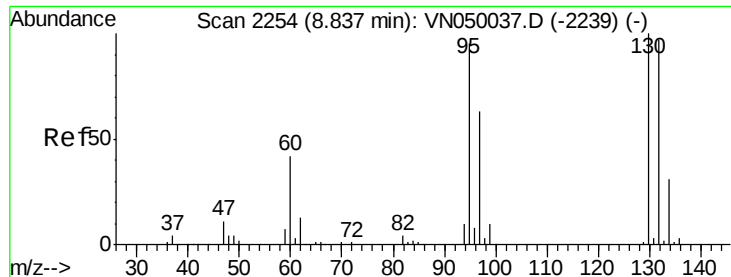
#36
1,2-Dichloroethane
Concen: 18.46 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 62 Resp: 201358
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

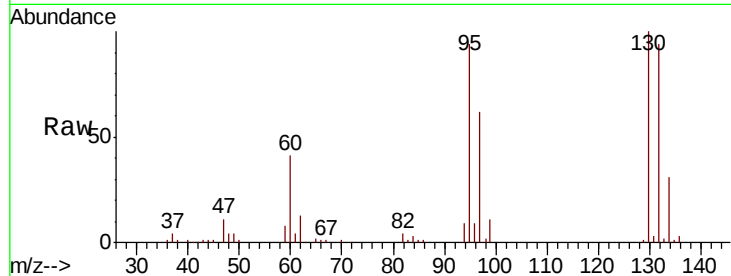




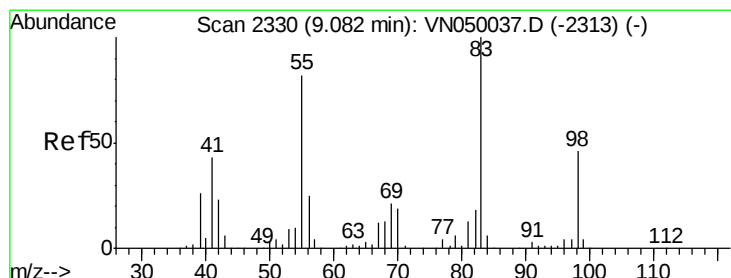
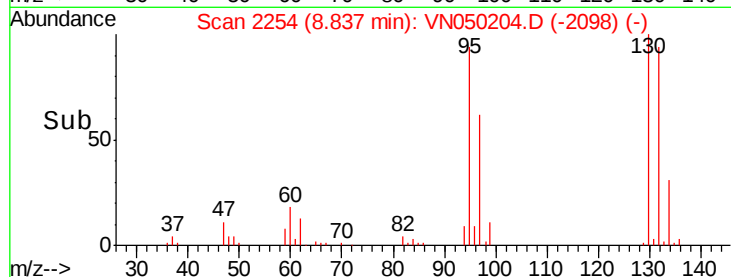
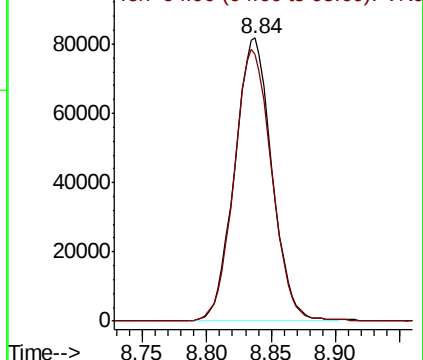
#37
 Trichloroethene
 Concen: 18.81 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion:130 Resp: 163914
 Ion Ratio Lower Upper
 130 100
 95 94.1 79.7 119.5

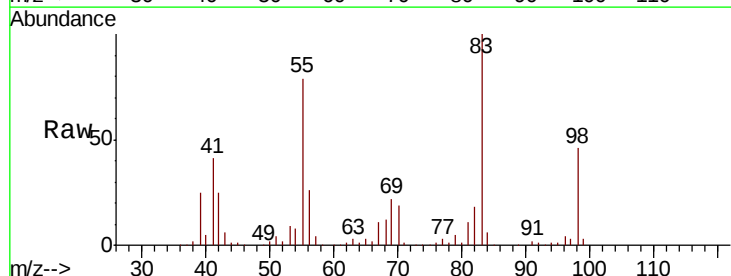


Abundance Ion 129.90 (129.60 to 130.60): VN050037.D (-2239) (-)
 Ion 94.90 (94.60 to 95.60): VN050037.D (-2239) (-)

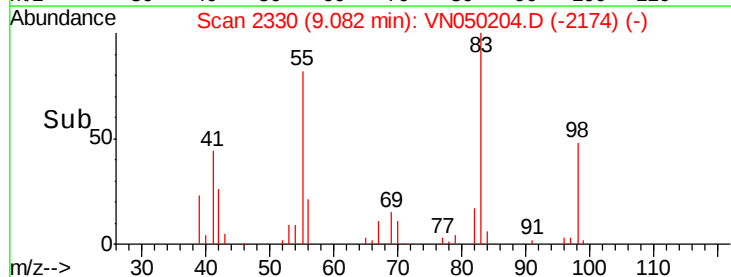
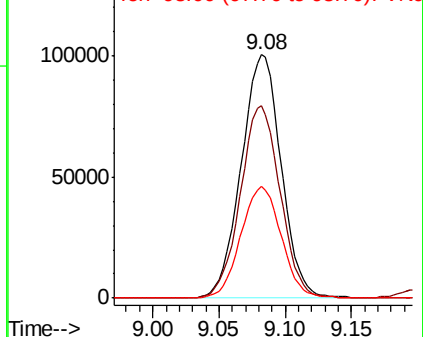


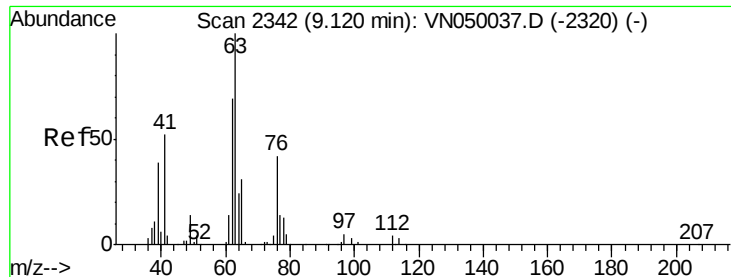
#38
 Methylcyclohexane
 Concen: 18.30 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 83 Resp: 211058
 Ion Ratio Lower Upper
 83 100
 55 78.8 39.3 117.8
 98 46.4 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2313) (-)
 Ion 55.00 (54.70 to 55.70): VN050037.D (-2313) (-)
 Ion 98.00 (97.70 to 98.70): VN050037.D (-2313) (-)





#39

1,2-Dichloropropane

Concen: 19.51 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

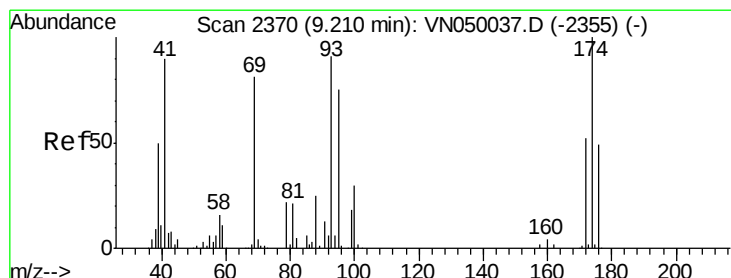
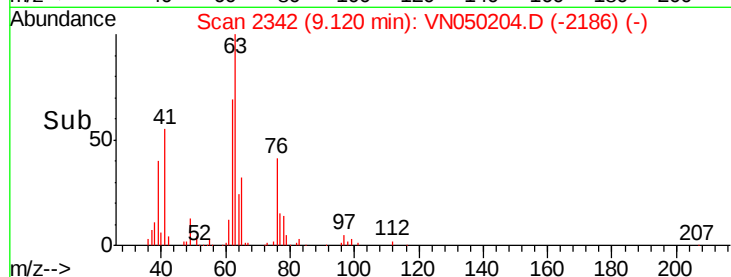
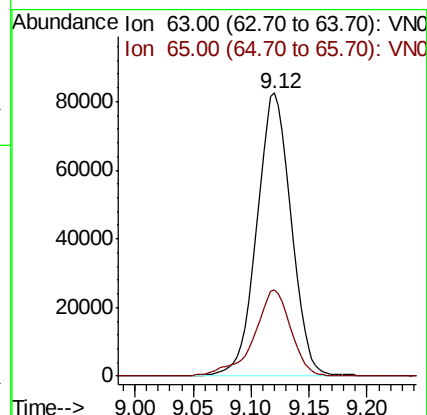
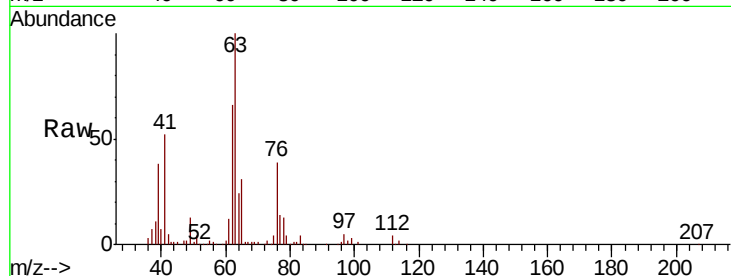
VN0731WBS01

Tot Ion: 63 Resp: 170798

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.2



#40

Dibromomethane

Concen: 18.13 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

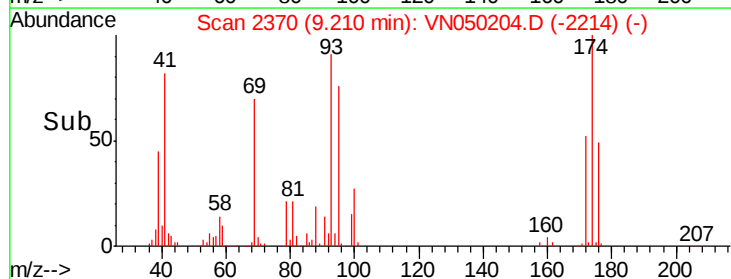
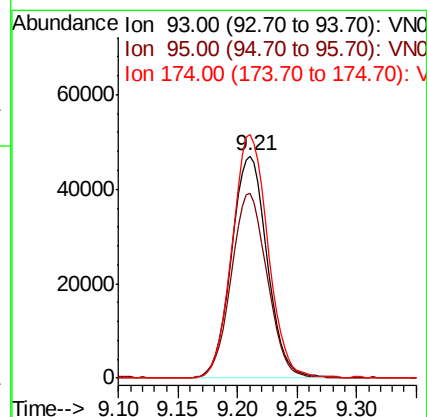
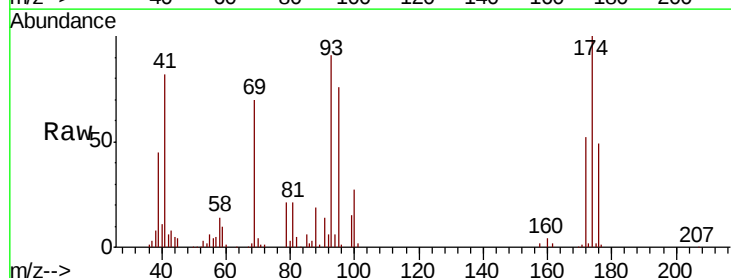
Tgt Ion: 93 Resp: 98058

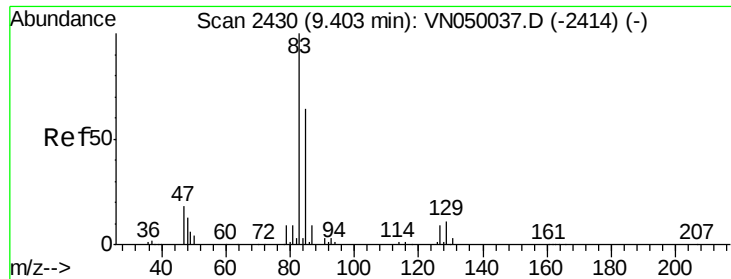
Ion Ratio Lower Upper

93 100

95 83.5 0.0 165.6

174 109.6 0.0 223.2

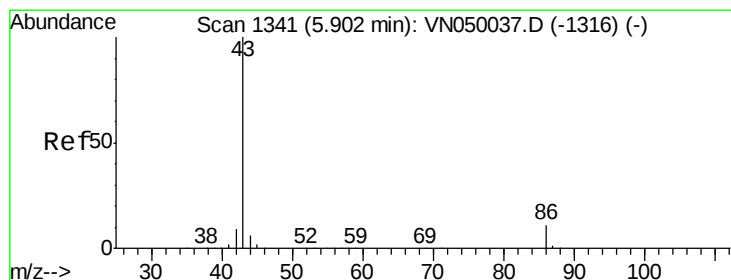
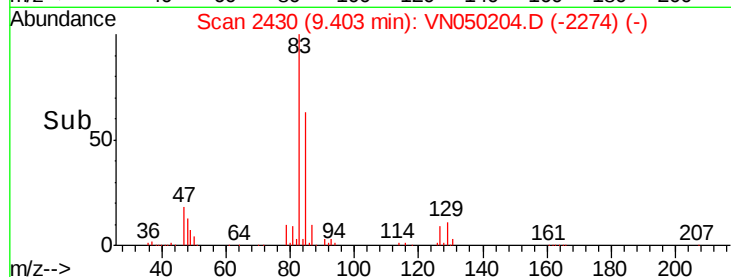
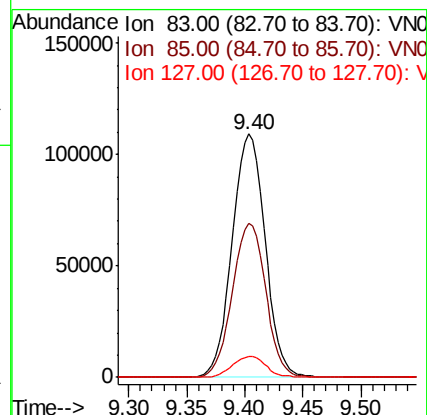
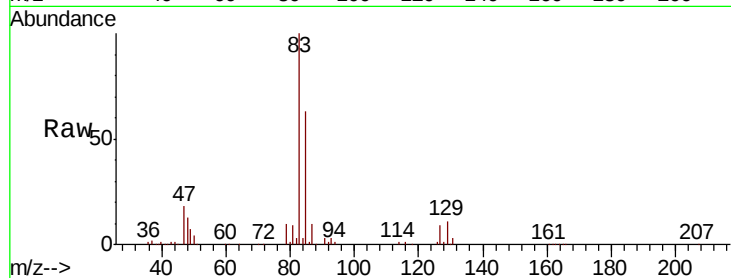




#41
 Bromodichloromethane
 Concen: 18.89 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

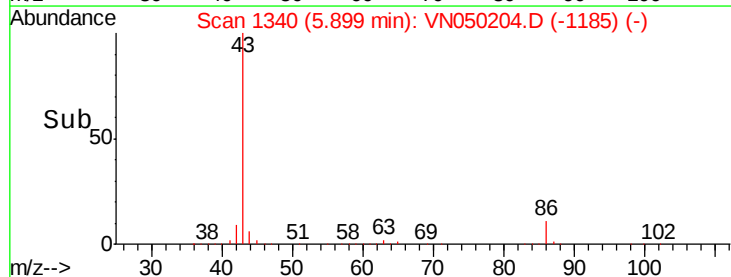
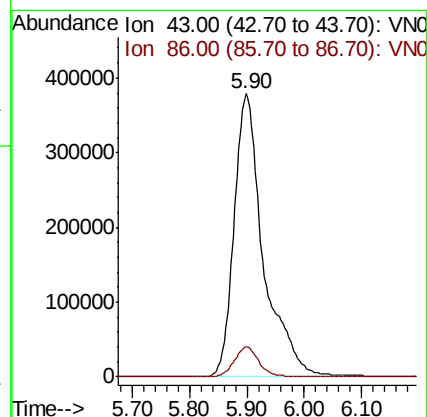
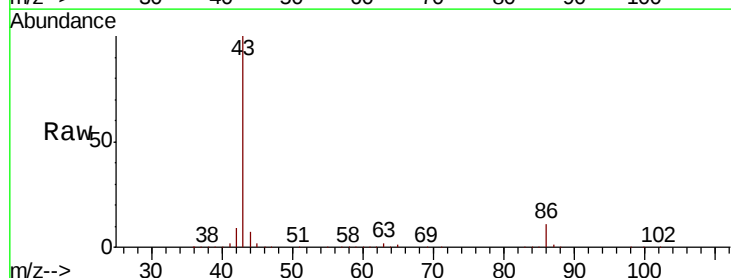
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

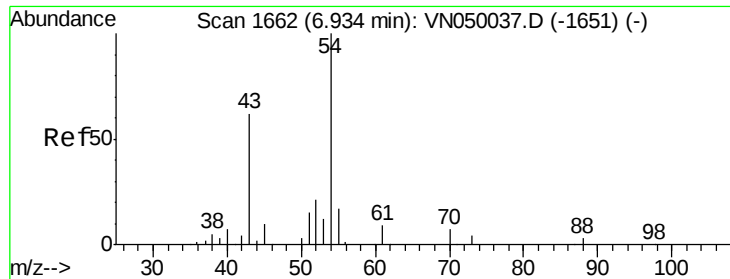
Tot Ion: 83 Resp: 215544
 Ion Ratio Lower Upper
 83 100
 85 63.2 52.6 78.8
 127 8.7 7.0 10.4



#42
 Vinyl Acetate
 Concen: 83.55 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 43 Resp: 1349785
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.3 10.9





#43

Ethyl Acetate

Concen: 15.47 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

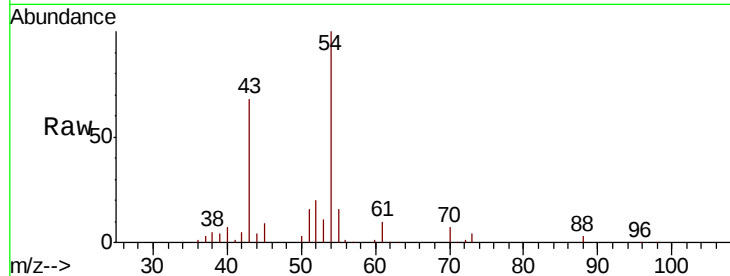
VN0731WBS01

Tot Ion: 43 Resp: 110921

Ion Ratio Lower Upper

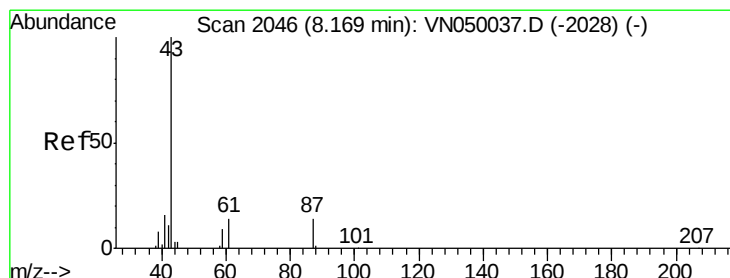
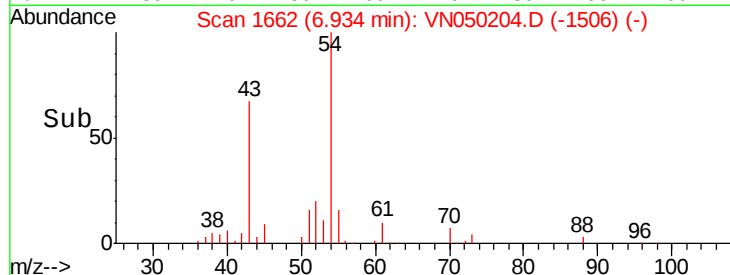
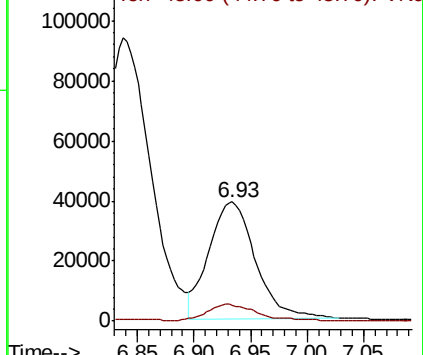
43 100

45 14.6 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.18 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050204.D

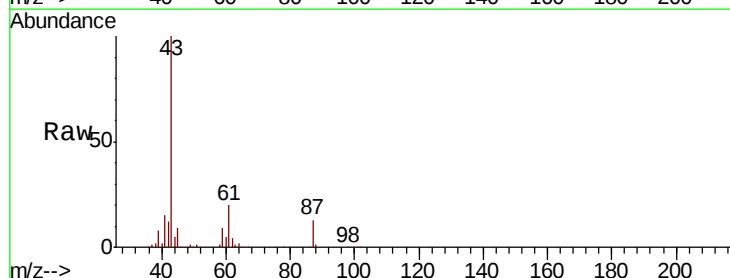
Acq: 31 Jul 2018 9:37

Tgt Ion: 43 Resp: 241390

Ion Ratio Lower Upper

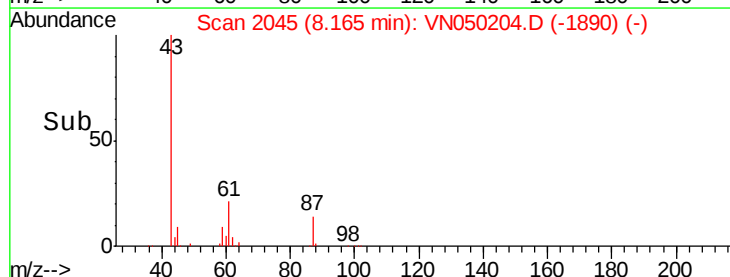
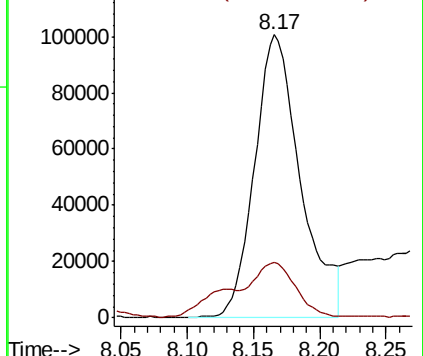
43 100

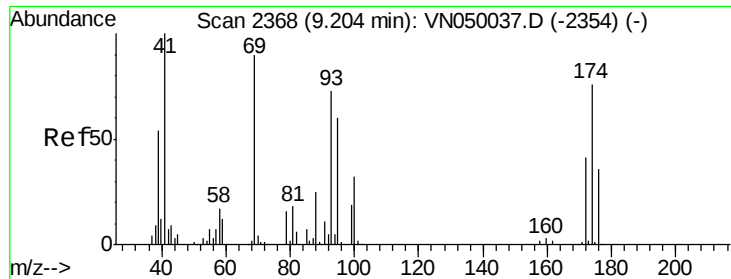
61 16.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

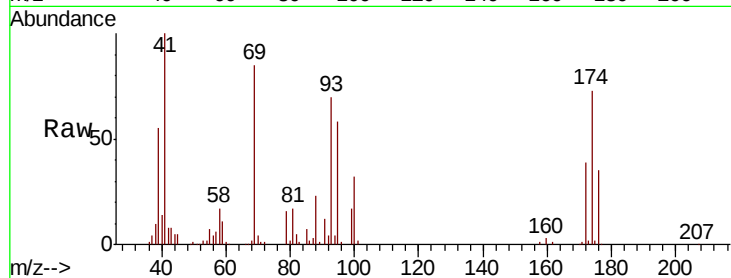




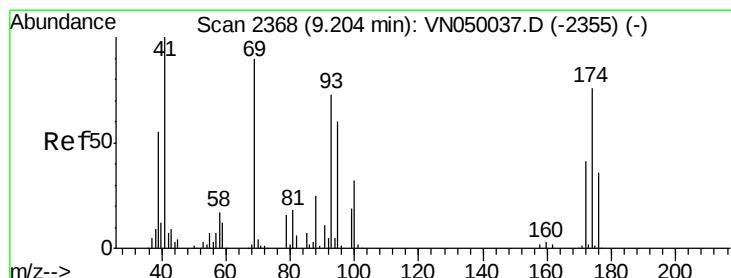
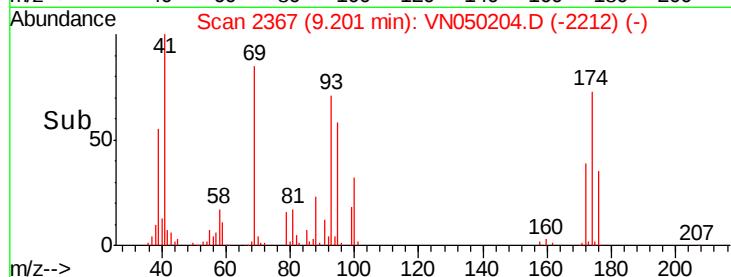
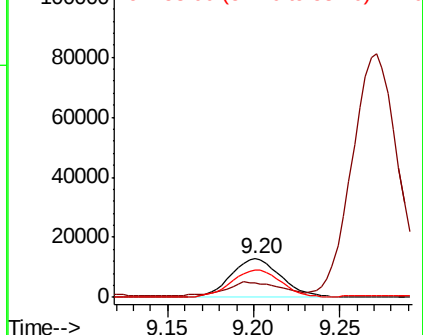
#45
 1,4-Dioxane
 Concen: 297.84 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

Tot Ion: 88 Resp: 26028
 Ion Ratio Lower Upper
 88 100
 43 37.0 26.9 40.3
 58 71.4 53.6 80.4

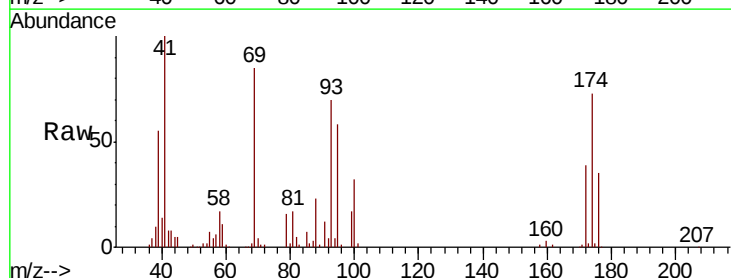


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

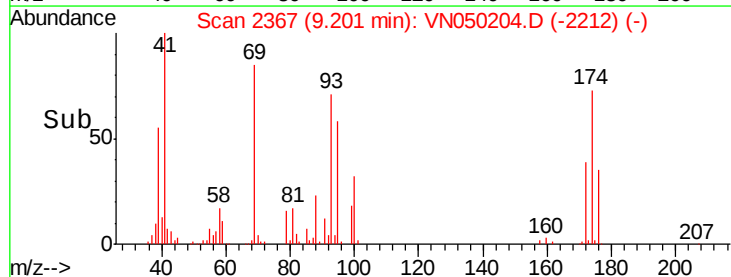
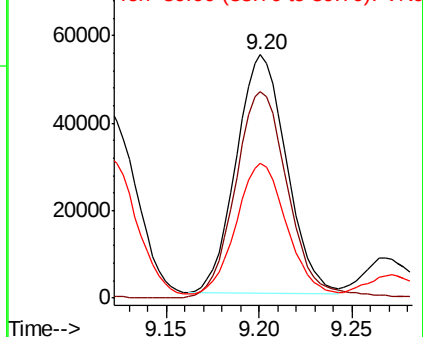


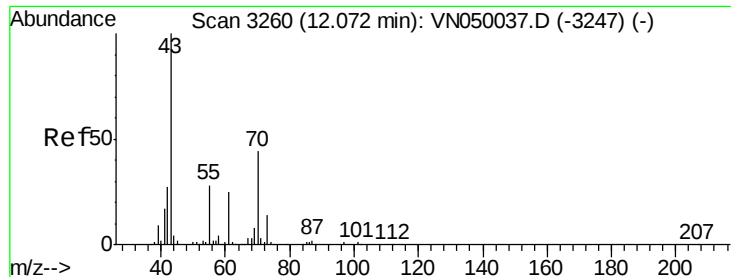
#46
 Methyl methacrylate
 Concen: 16.00 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 41 Resp: 103003
 Ion Ratio Lower Upper
 41 100
 69 86.3 44.0 132.1
 39 54.7 27.0 80.8



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





#47

n-amvl Acetate

Concen: 14.66 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

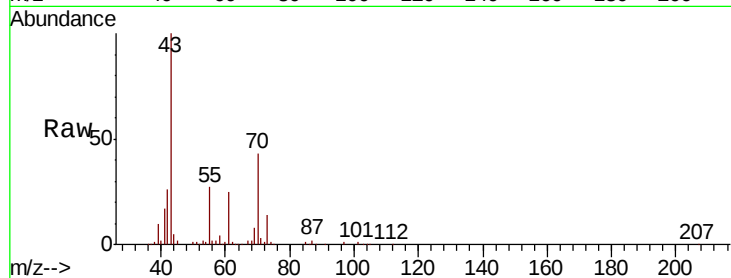
VN0731WBS01

Tot Ion: 43 Resp: 151528

Ion Ratio Lower Upper

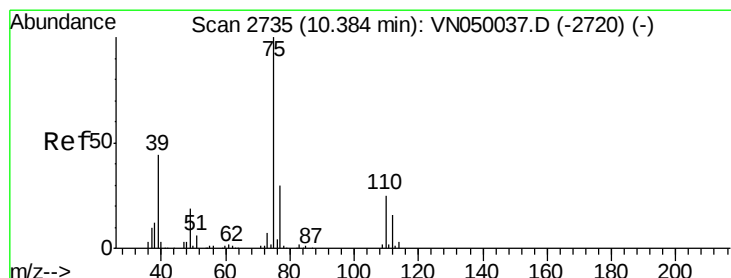
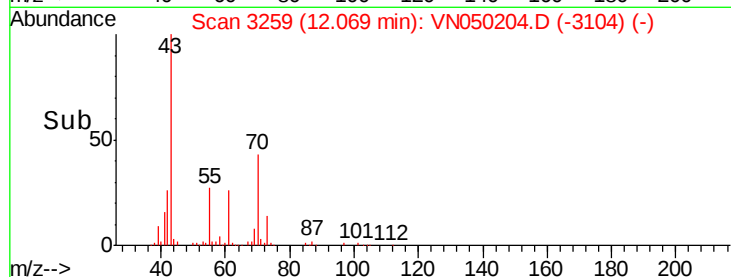
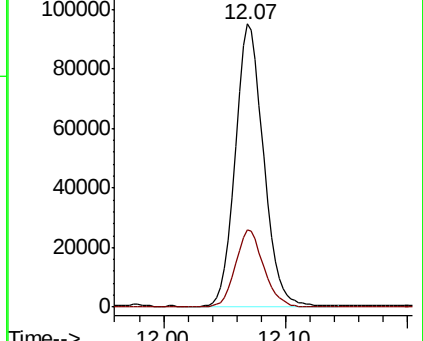
43 100

55 27.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.09 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050204.D

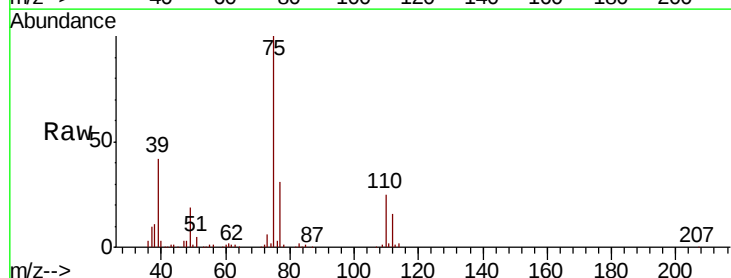
Acq: 31 Jul 2018 9:37

Tgt Ion: 75 Resp: 196807

Ion Ratio Lower Upper

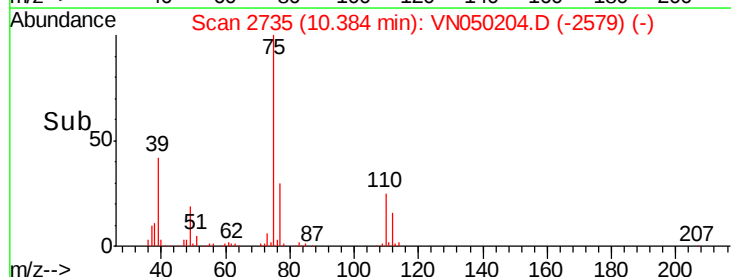
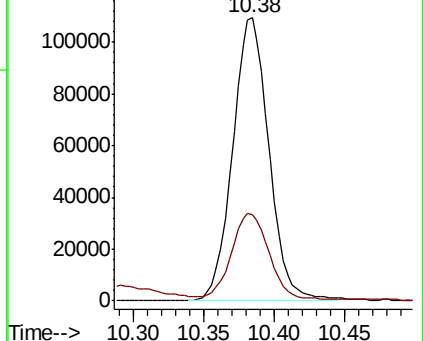
75 100

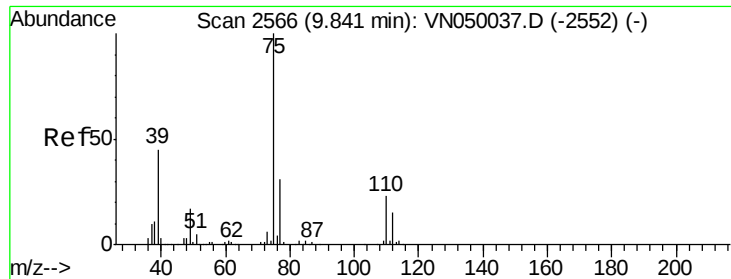
77 30.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

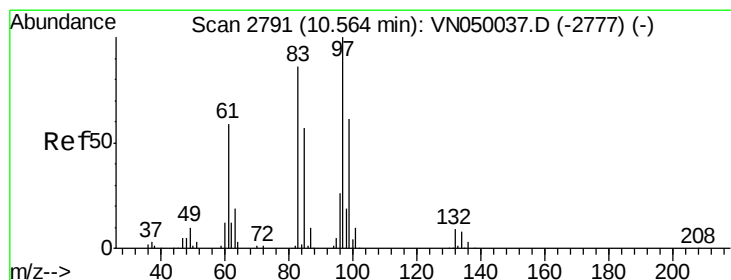
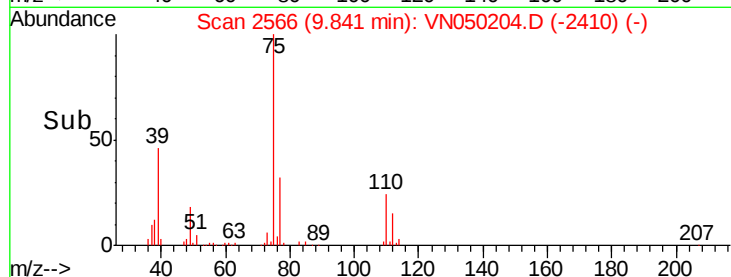
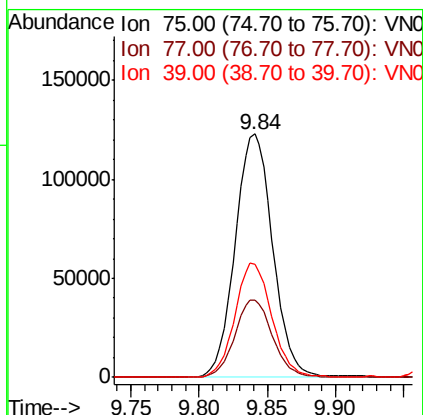
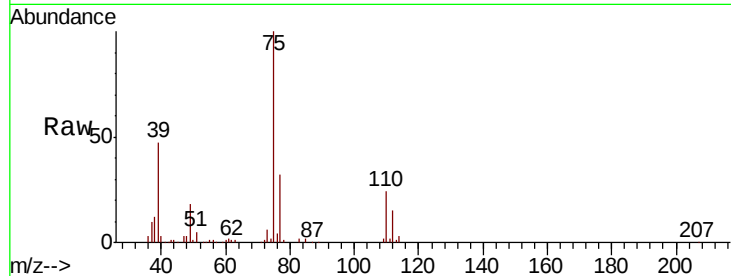




#49
 cis-1,3-Dichloropropene
 Concen: 18.42 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

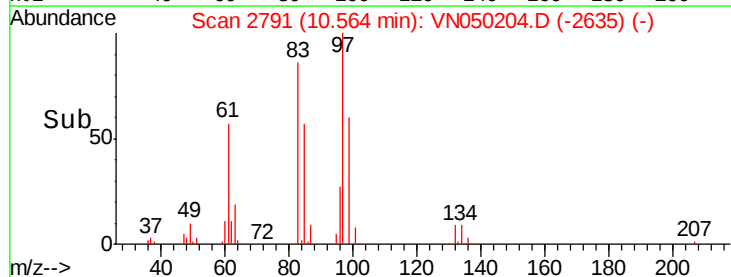
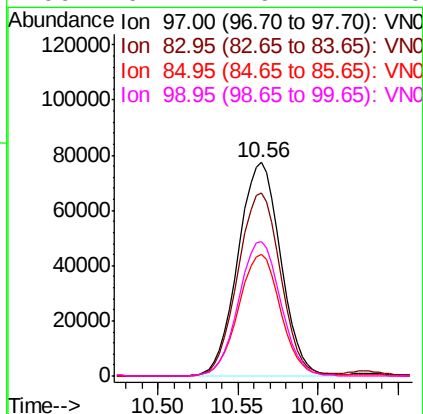
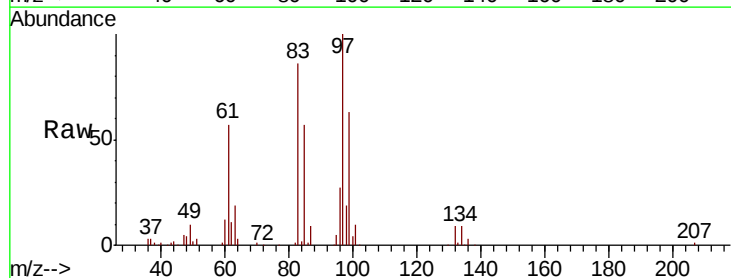
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

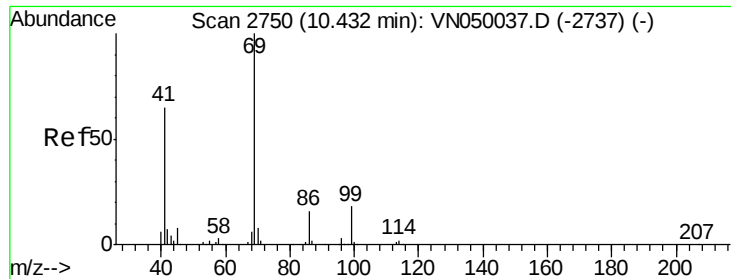
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5
39	46.5	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 18.19 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	57.0	45.4	68.2
99	62.7	49.4	74.0





#51

Ethyl methacrylate

Concen: 16.11 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

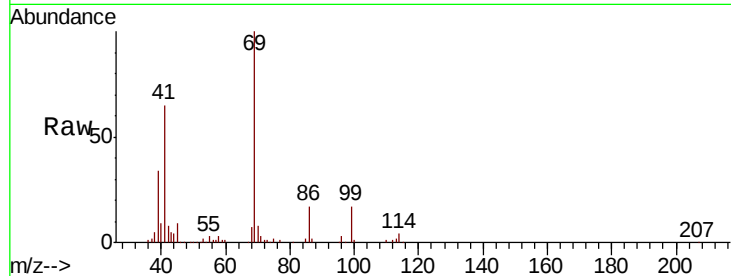
Tot Ion: 69 Resp: 151816

Ion Ratio Lower Upper

69 100

41 64.5 31.9 95.9

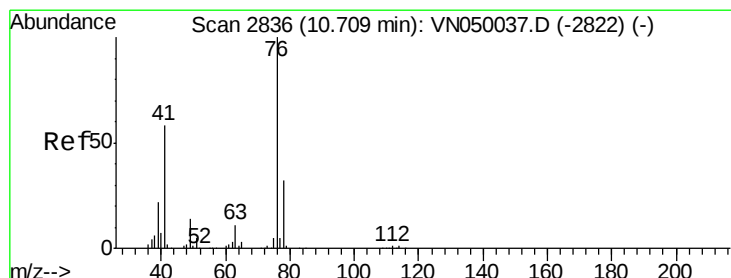
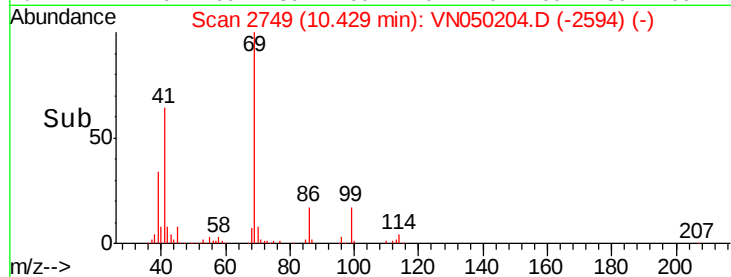
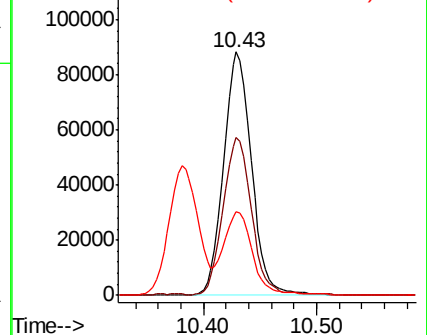
39 33.9 16.7 50.1



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



#52

1,3-Dichloropropane

Concen: 17.97 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050204.D

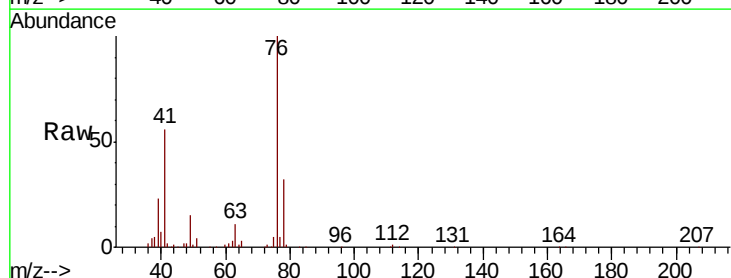
Acq: 31 Jul 2018 9:37

Tgt Ion: 76 Resp: 229113

Ion Ratio Lower Upper

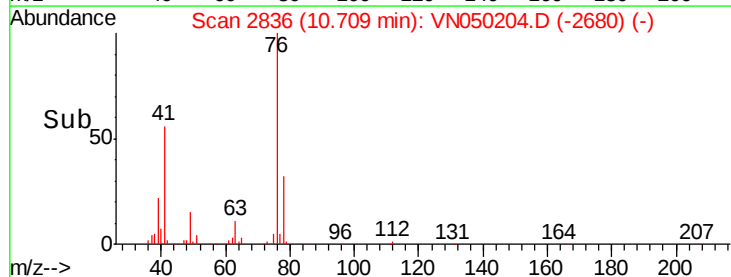
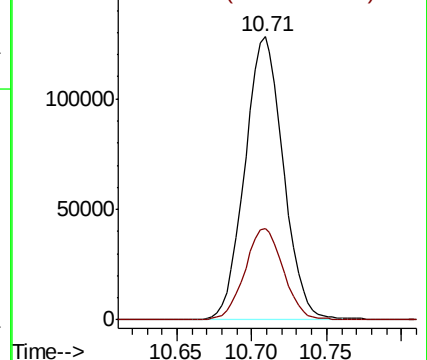
76 100

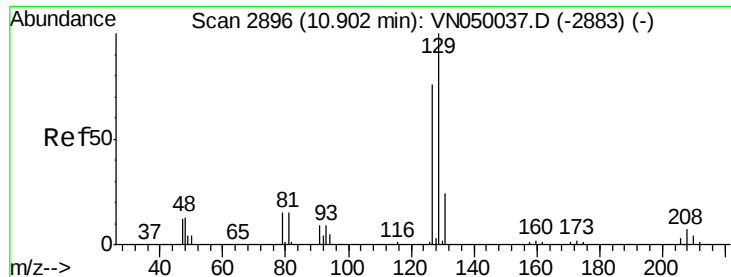
78 32.3 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

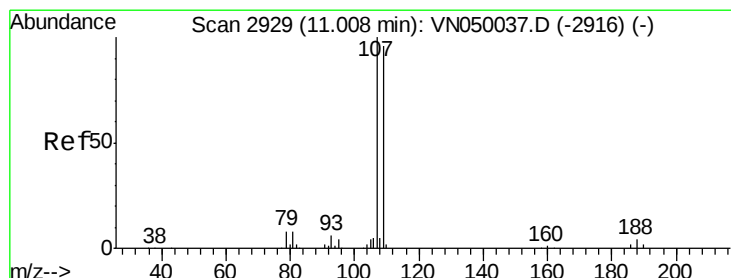
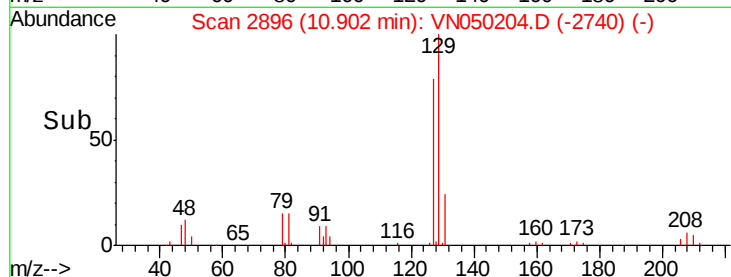
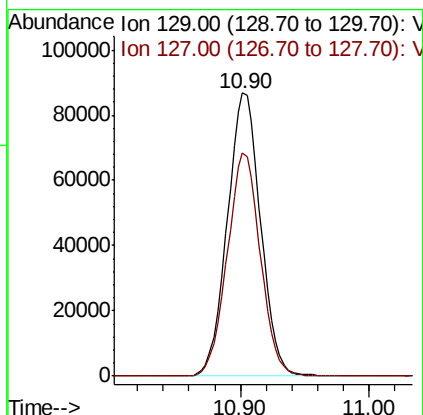
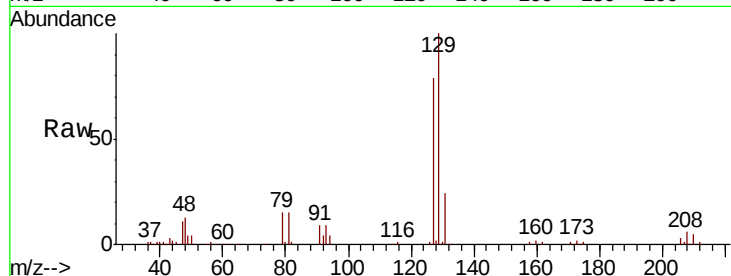




#53
 Dibromochloromethane
 Concen: 17.60 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

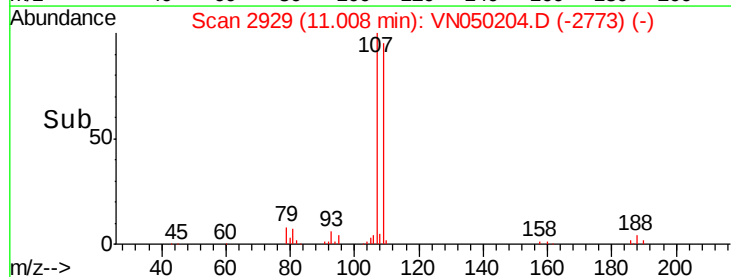
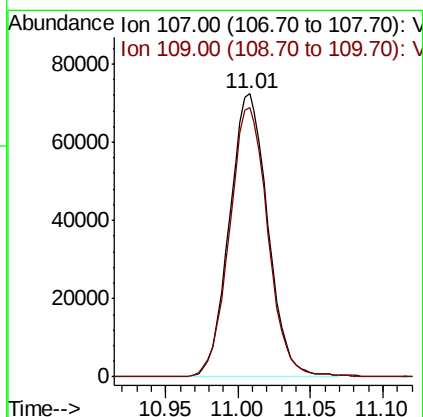
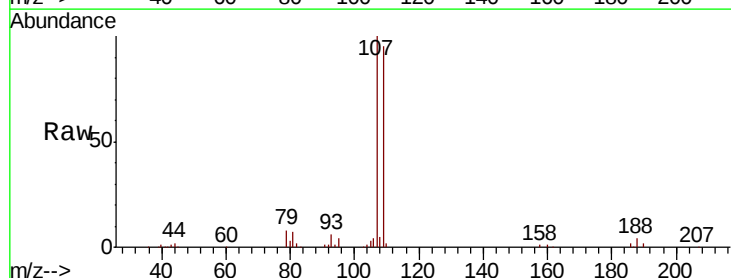
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

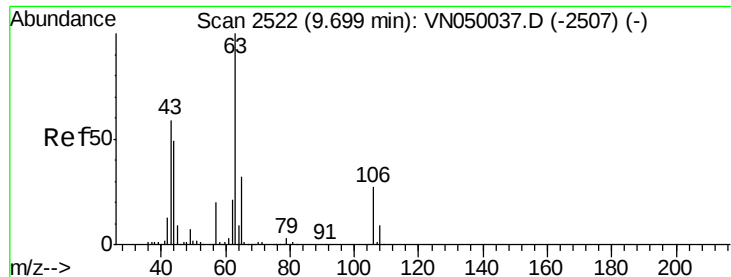
Tot Ion:129 Resp: 155062
 Ion Ratio Lower Upper
 129 100
 127 78.6 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 17.53 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion:107 Resp: 133308
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.2 114.2

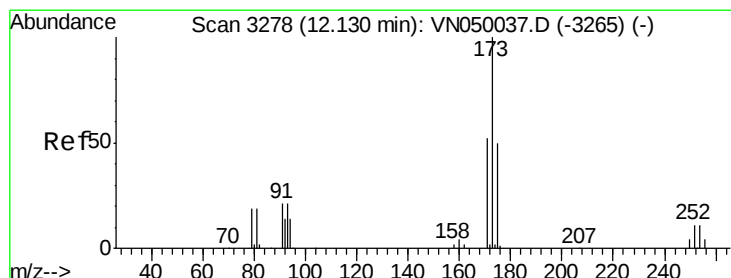
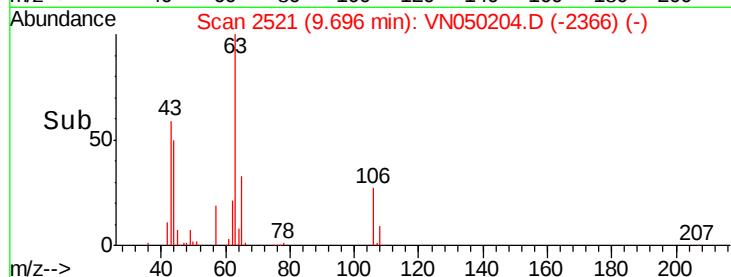
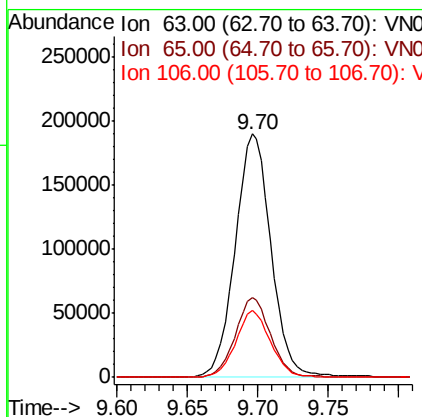
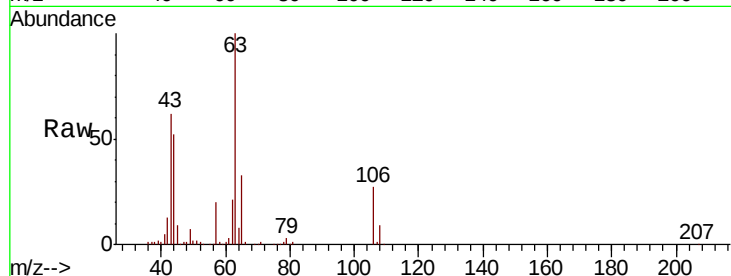




#55
2-Chloroethyl vinyl ether
Concen: 79.33 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

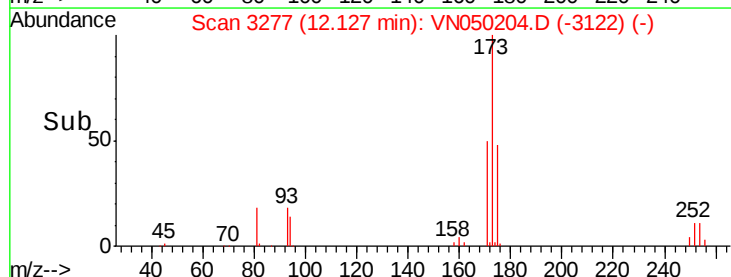
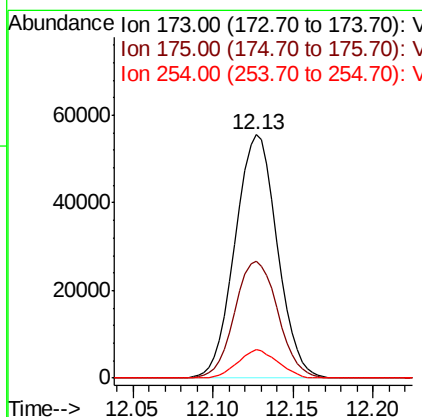
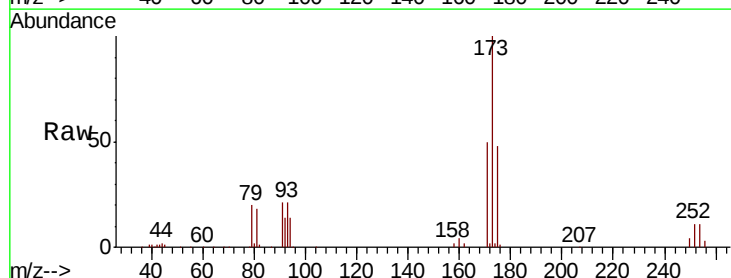
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

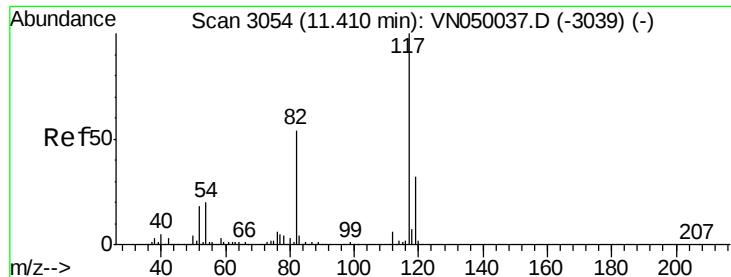
Tot Ion: 63 Resp: 338368
Ion Ratio Lower Upper
63 100
65 32.2 25.5 38.3
106 26.6 21.8 32.6



#56
Bromoform
Concen: 16.09 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 173 Resp: 100114
Ion Ratio Lower Upper
173 100
175 49.3 38.6 57.8
254 11.1 8.8 13.2

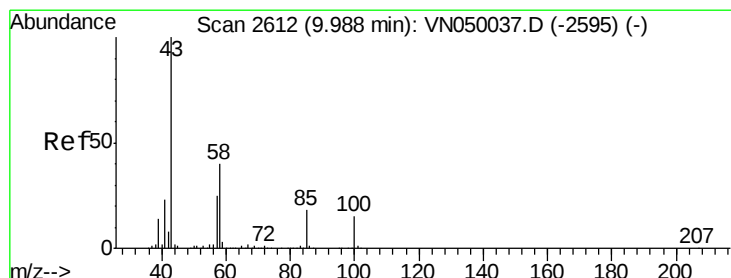
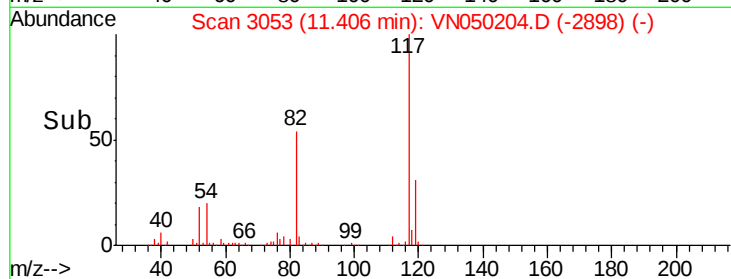
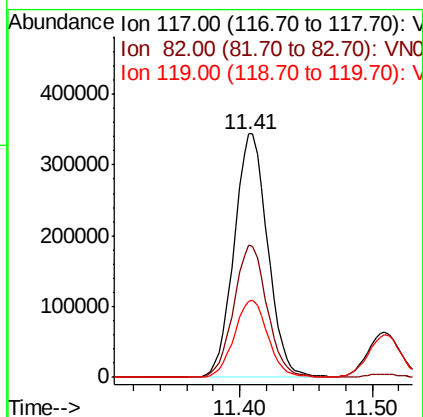
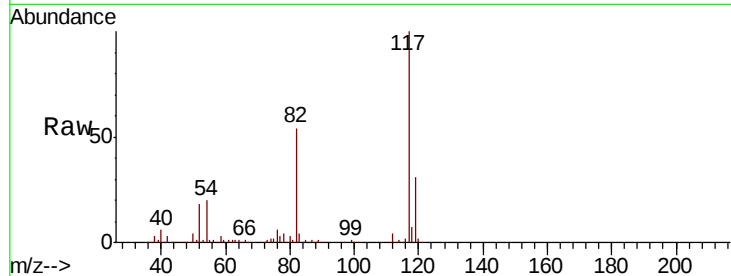




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

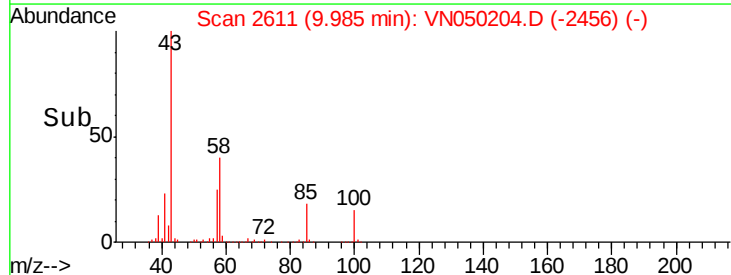
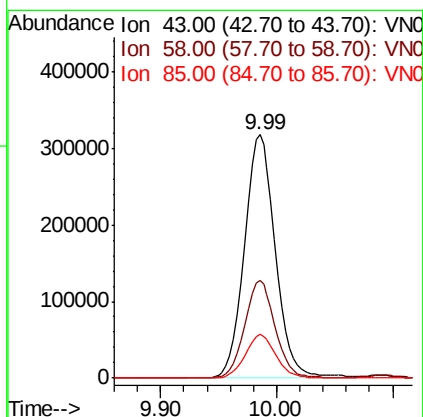
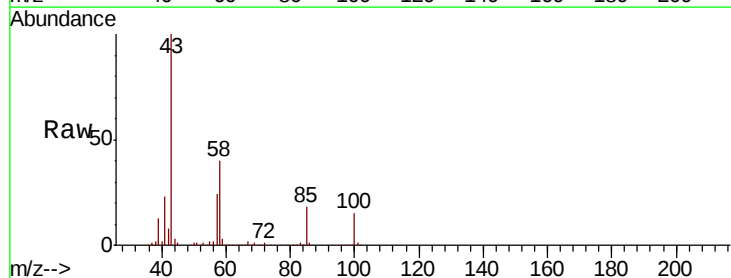
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

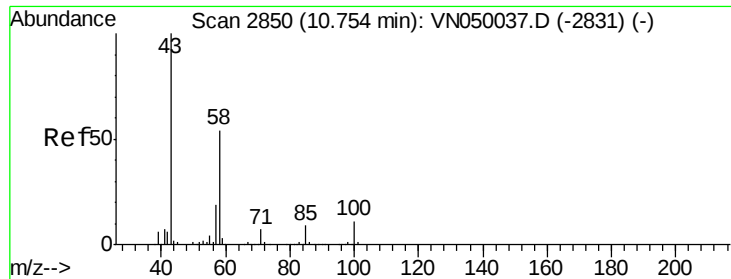
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.4	63.6
119	31.7	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 83.12 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.2	46.8
85	17.7	14.4	21.6

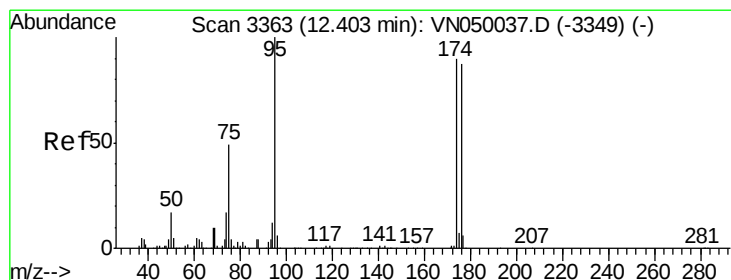
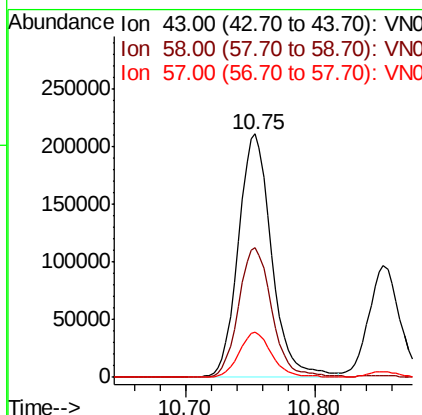
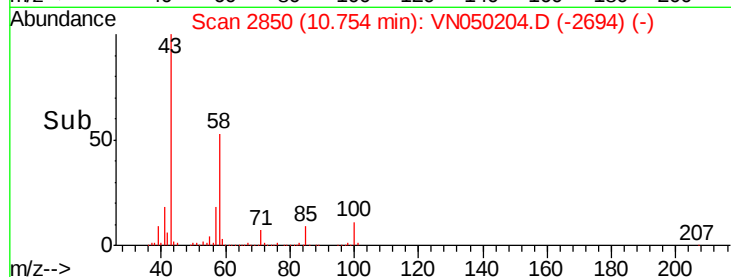
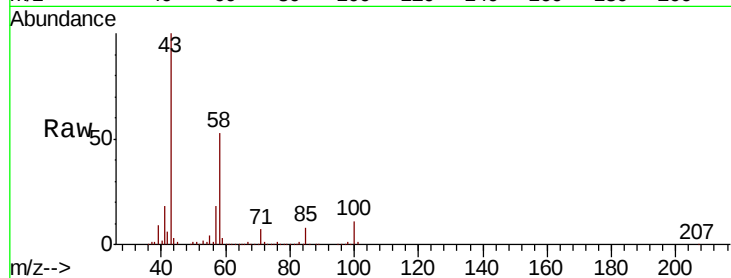




#59
2-Hexanone
Concen: 78.47 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

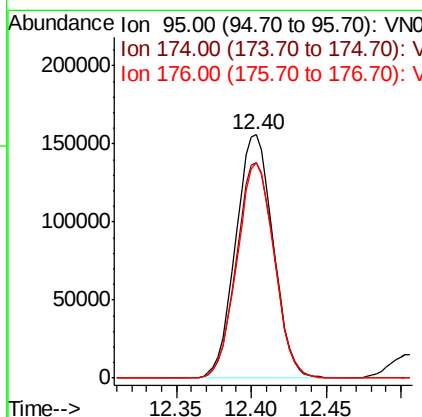
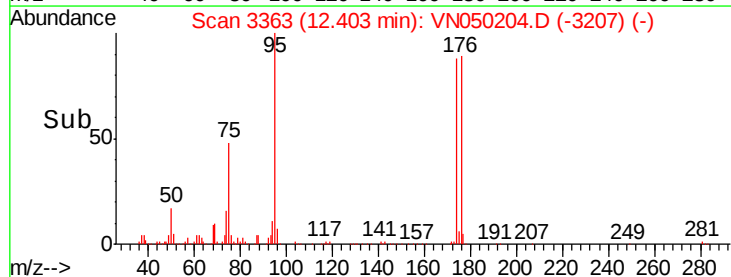
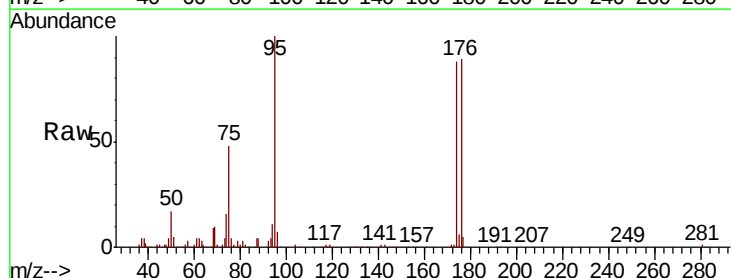
Instrument :
MSVOA_N
ClientSampled :
VN0731WBS01

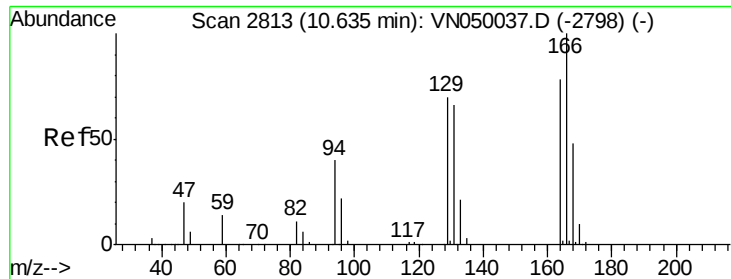
Tot Ion: 43 Resp: 377659
Ion Ratio Lower Upper
43 100
58 53.7 43.8 65.8
57 18.3 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.16 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 95 Resp: 271555
Ion Ratio Lower Upper
95 100
174 89.7 72.3 108.5
176 87.6 70.0 105.0





#61

Tetrachloroethene

Concen: 19.44 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

Tot Ion:164 Resp: 159651

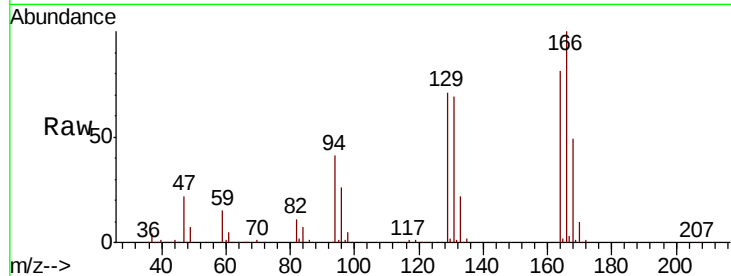
Ion Ratio Lower Upper

164 100

166 123.0 100.0 150.0

129 87.3 69.3 103.9

131 84.5 68.8 103.2

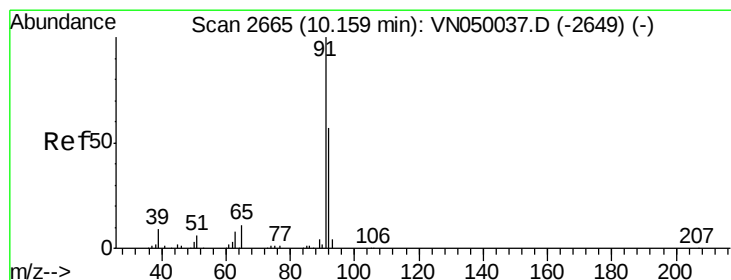
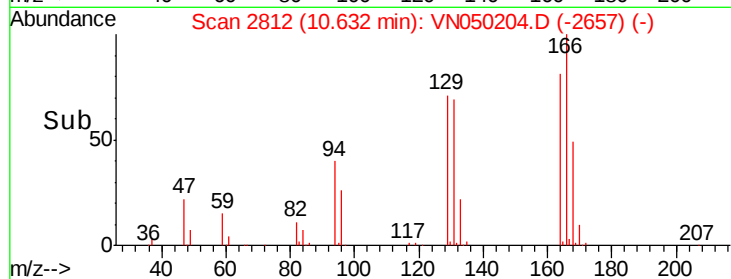
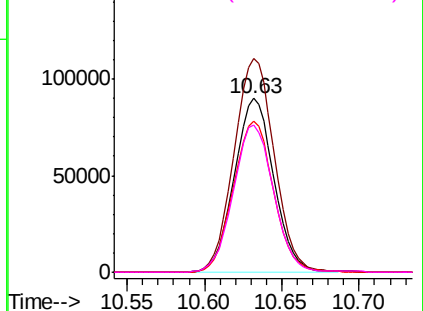


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.42 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050204.D

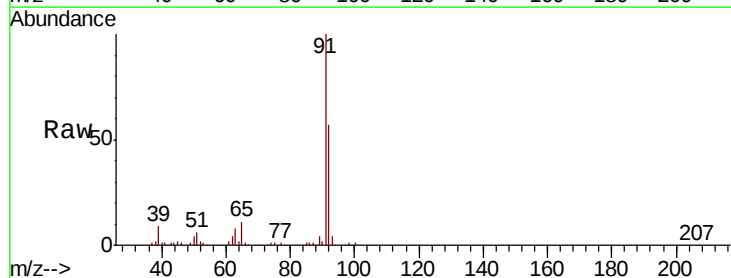
Acq: 31 Jul 2018 9:37

Tgt Ion: 91 Resp: 671848

Ion Ratio Lower Upper

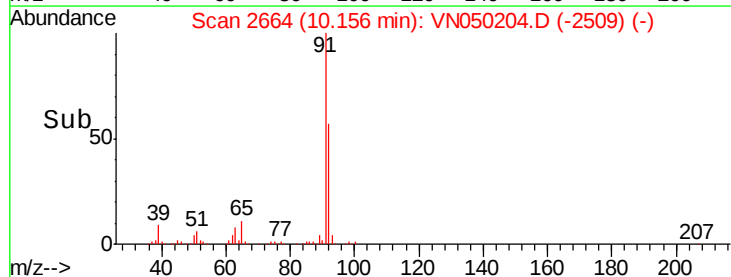
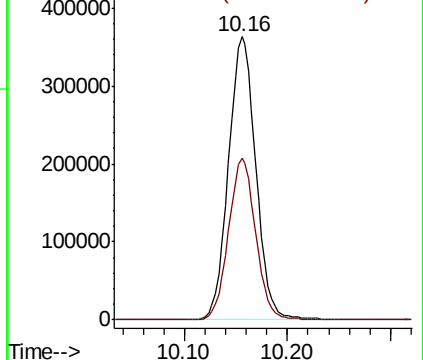
91 100

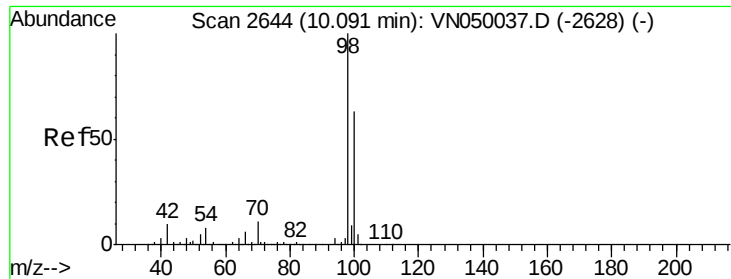
92 56.5 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

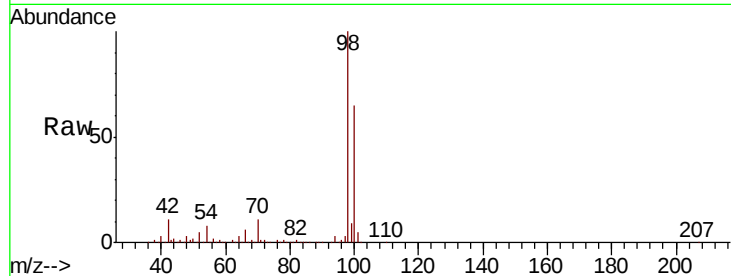
VN0731WBS01

Tot Ion: 98 Resp: 877461

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

10.09

500000

400000

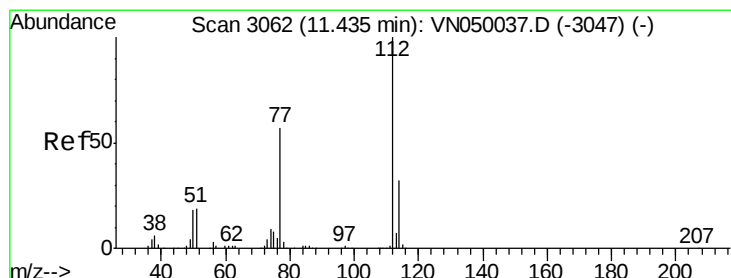
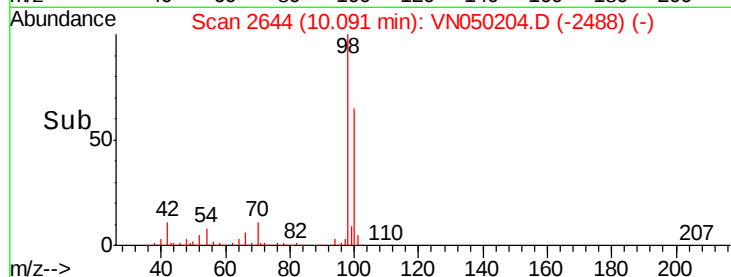
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 19.48 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050204.D

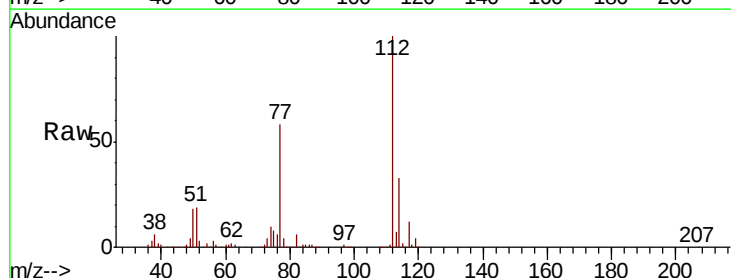
Acq: 31 Jul 2018 9:37

Tgt Ion: 112 Resp: 408598

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN050037.D (-3047) (-)

Ion 114.00 (113.70 to 114.70): VN050037.D (-3047) (-)

11.44

250000

200000

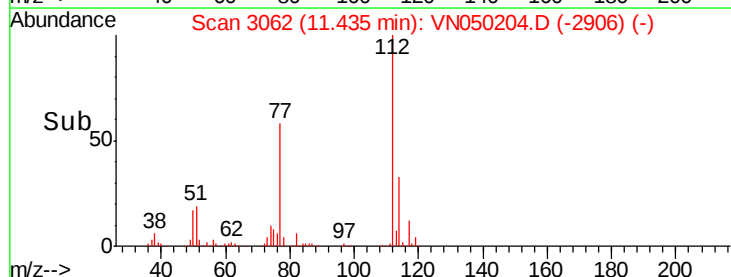
150000

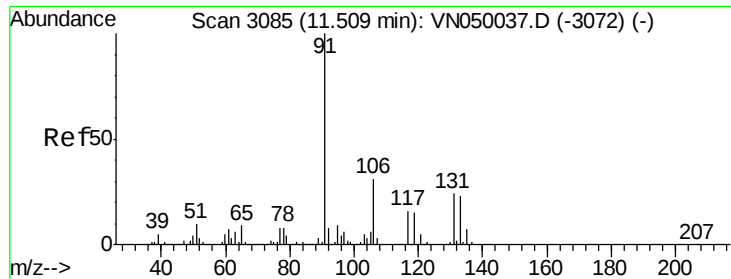
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.56 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0731WBS01

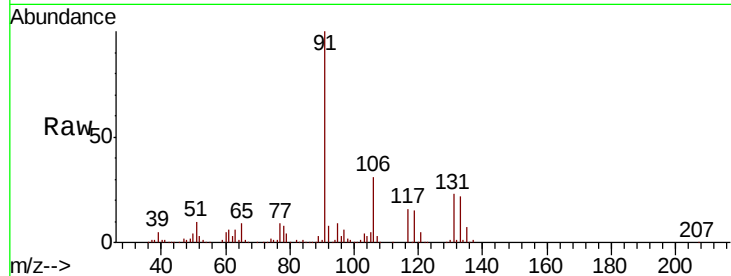
Tot Ion:131 Resp: 160037

Ion Ratio Lower Upper

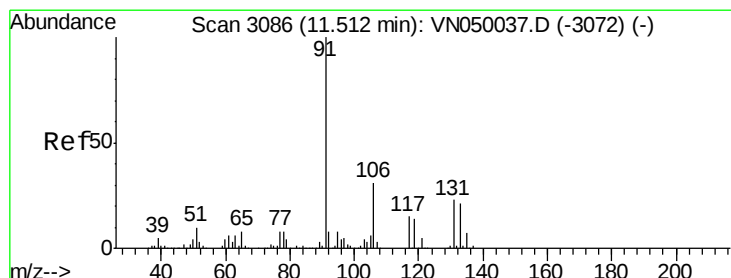
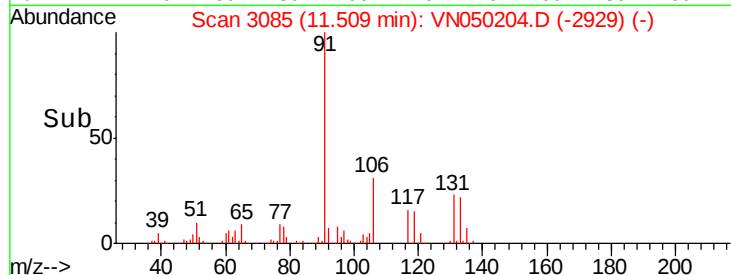
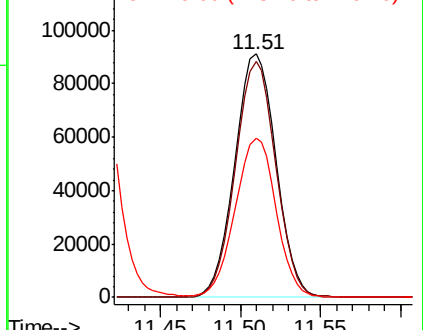
131 100

133 95.1 0.0 190.0

119 65.1 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050204.D

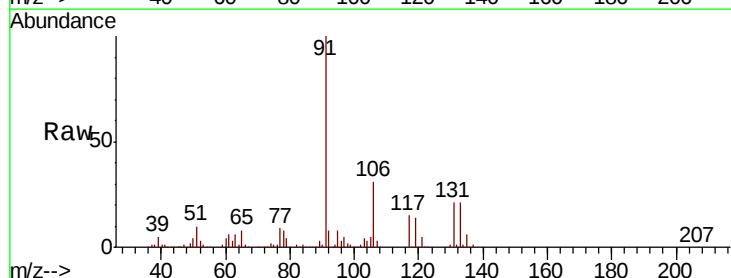
Acq: 31 Jul 2018 9:37

Tgt Ion: 91 Resp: 677109

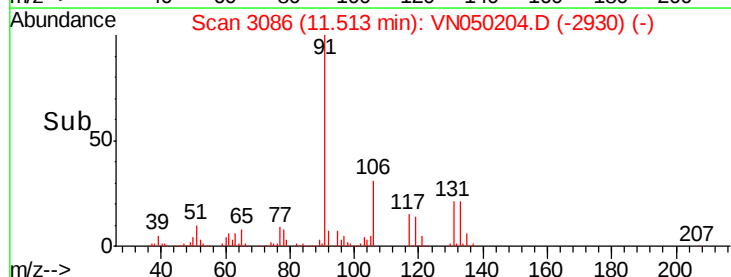
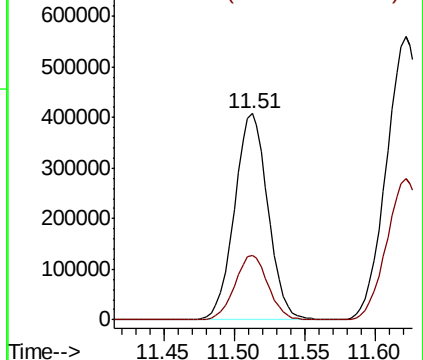
Ion Ratio Lower Upper

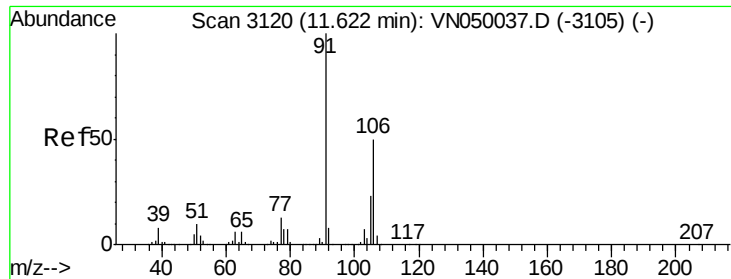
91 100

106 31.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.81 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

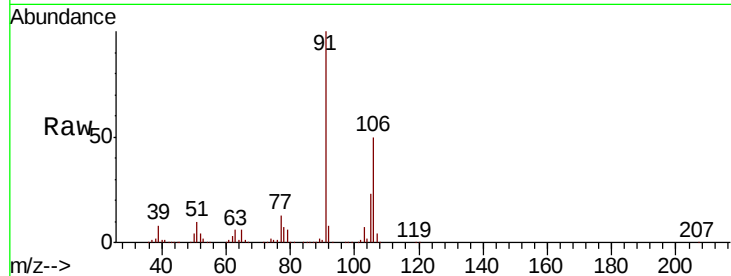
VN0731WBS01

Tot Ion:106 Resp: 527867

Ion Ratio Lower Upper

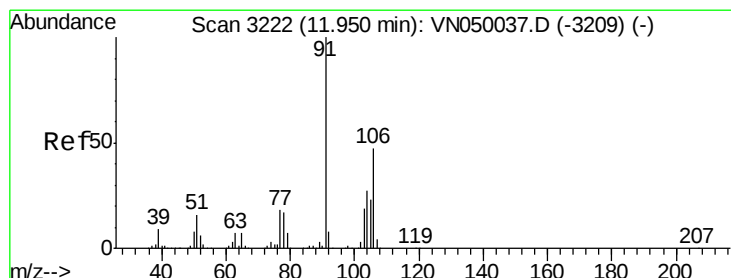
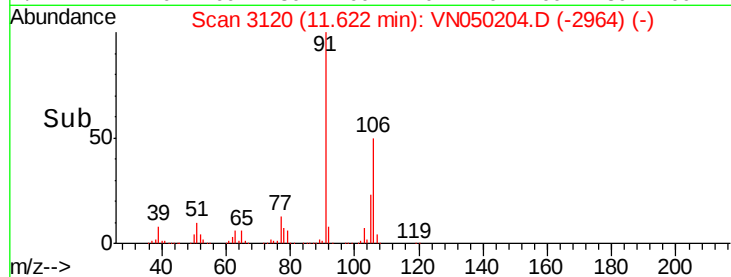
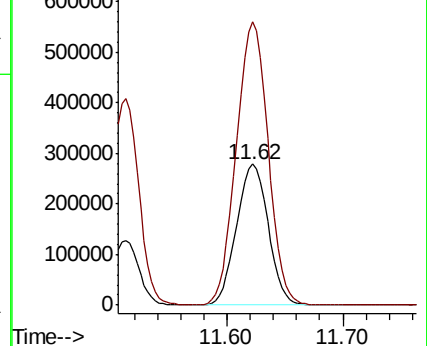
106 100

91 201.4 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.03 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050204.D

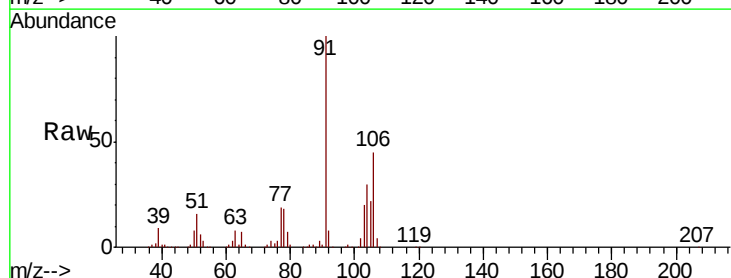
Acq: 31 Jul 2018 9:37

Tgt Ion:106 Resp: 246319

Ion Ratio Lower Upper

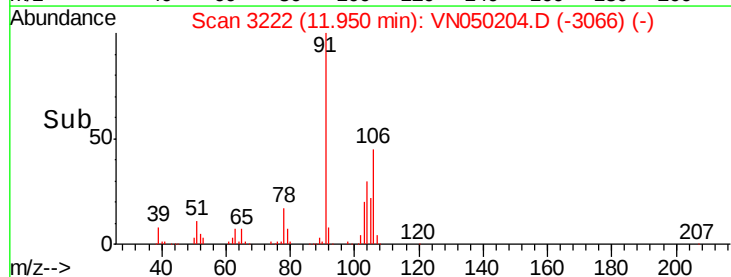
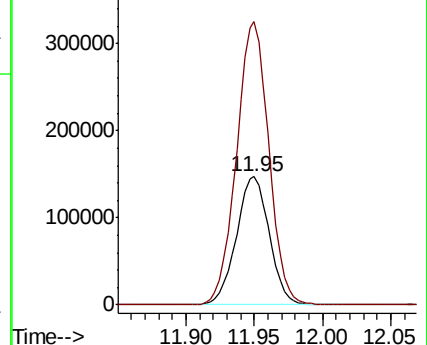
106 100

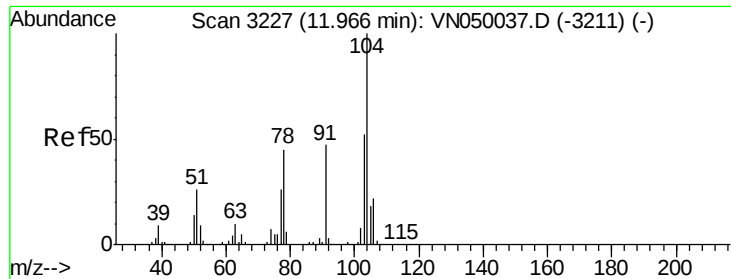
91 216.1 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

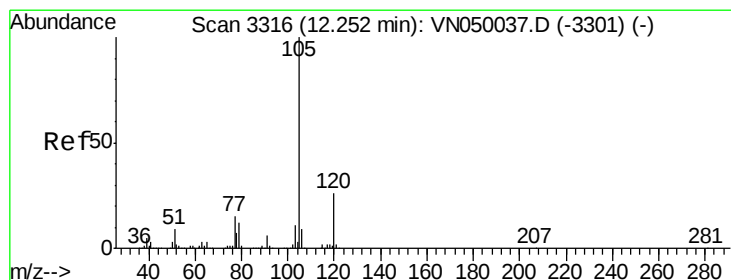
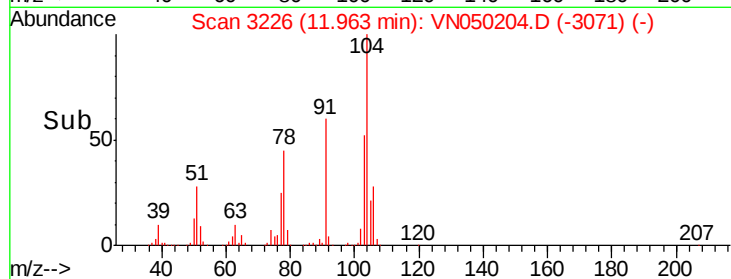
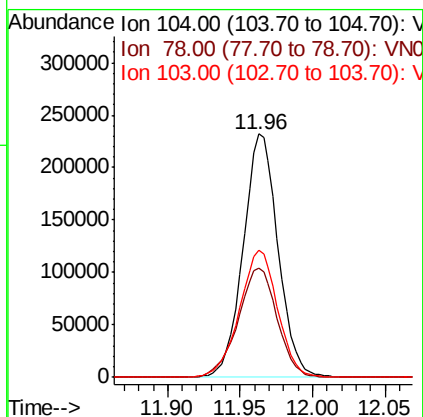
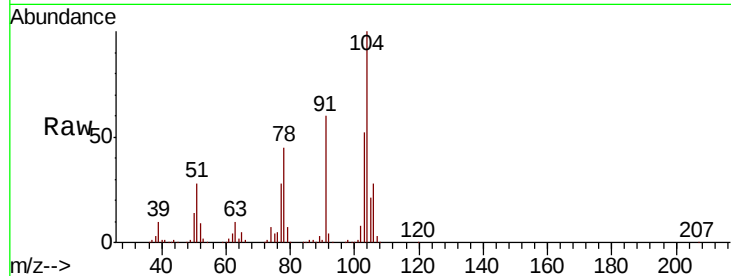




#69
Stvrene
Concen: 18.77 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

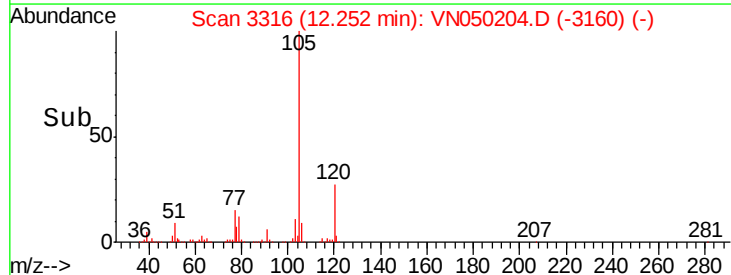
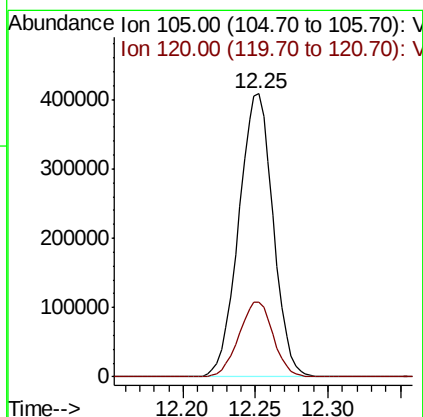
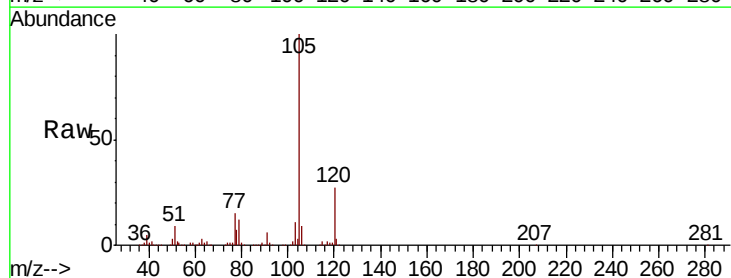
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

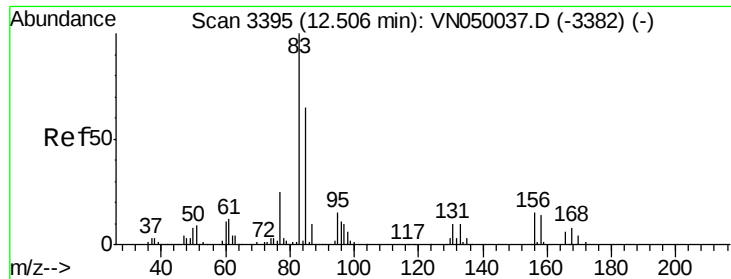
Tot Ion:104 Resp: 389431
Ion Ratio Lower Upper
104 100
78 50.0 39.3 58.9
103 57.0 44.5 66.7



#70
Isopropylbenzene
Concen: 19.49 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion:105 Resp: 671789
Ion Ratio Lower Upper
105 100
120 26.5 18.9 35.1

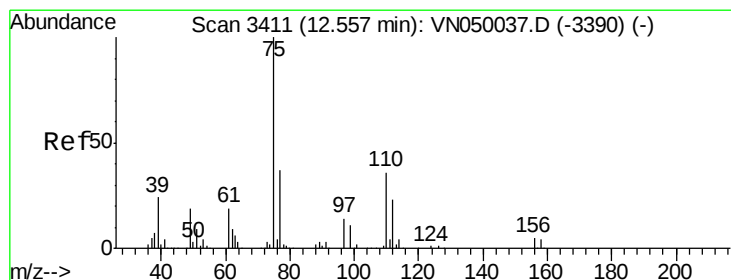
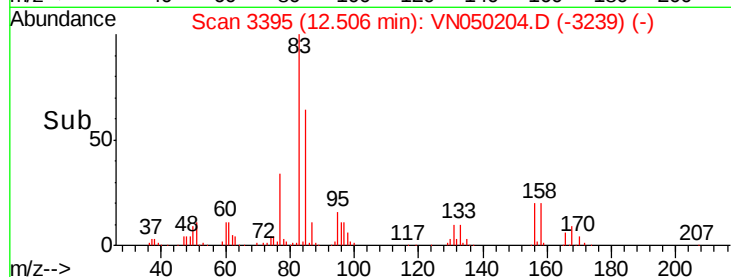
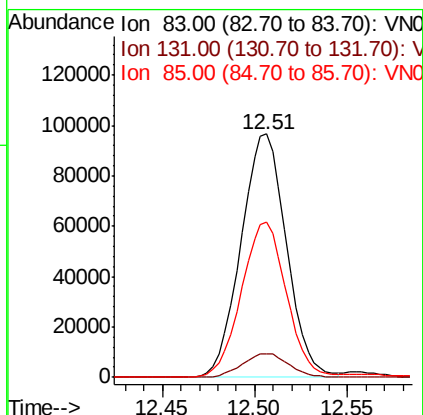
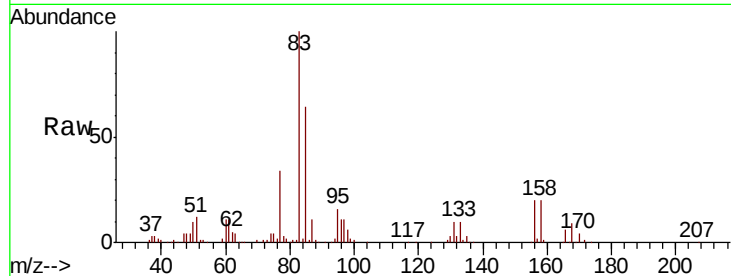




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.35 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

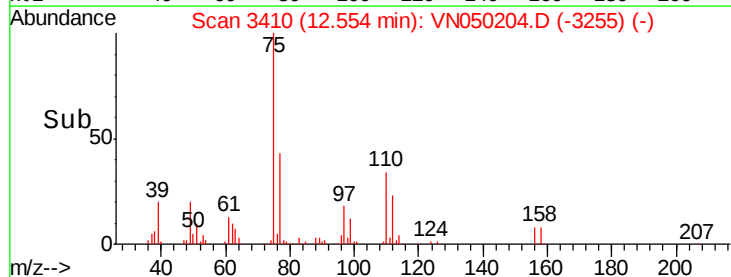
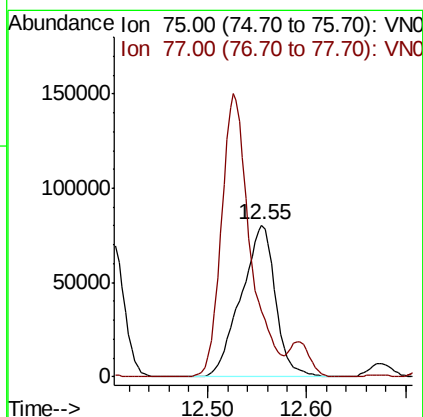
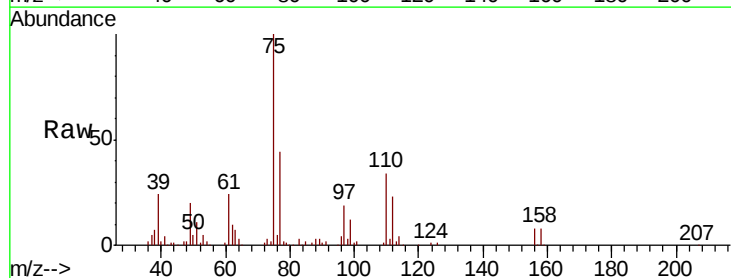
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

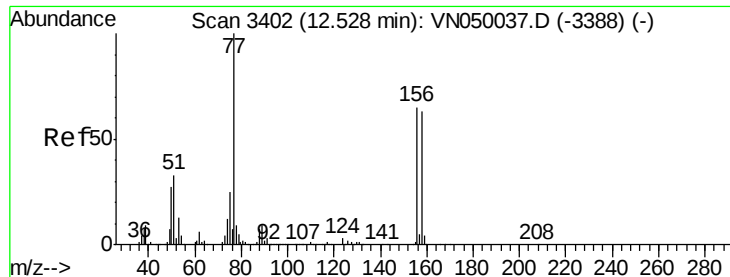
Tot Ion	83	Resp	164170
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	63.2	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 24.02 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	75	Resp	194163
Ion Ratio	Lower	Upper	
75	100		
77	158.6	0.0	454.4





#73

Bromobenzene

Concen: 18.18 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

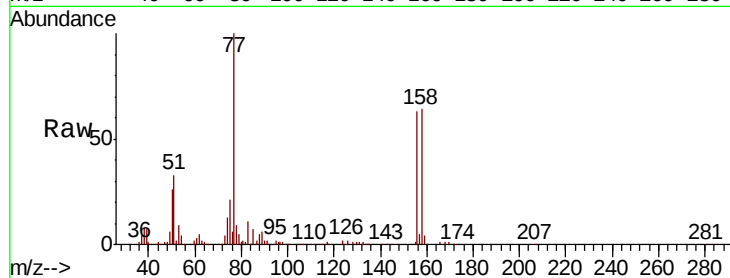
Tot Ion:156 Resp: 166922

Ion Ratio Lower Upper

156 100

77 184.5 0.0 359.8

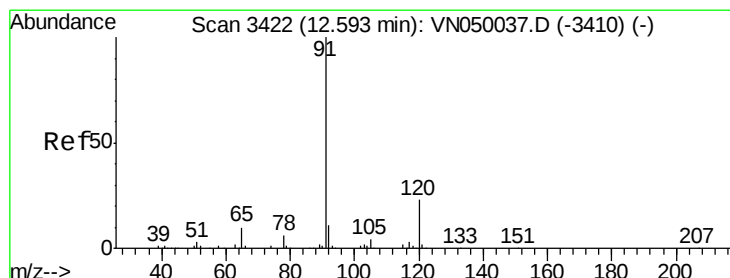
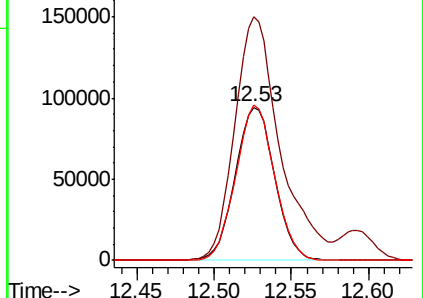
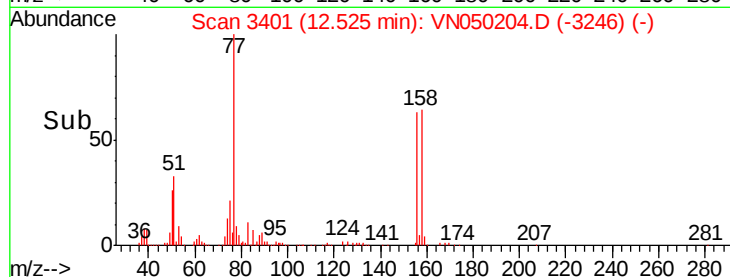
158 99.7 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.04 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050204.D

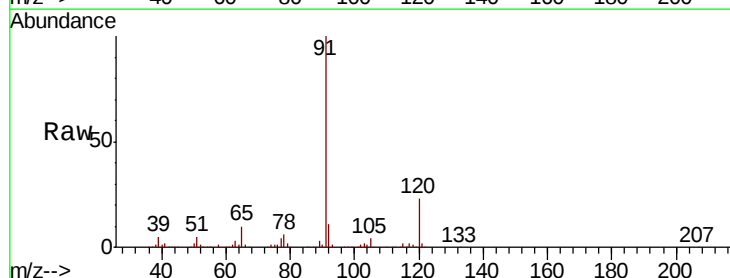
Acq: 31 Jul 2018 9:37

Tgt Ion: 91 Resp: 764330

Ion Ratio Lower Upper

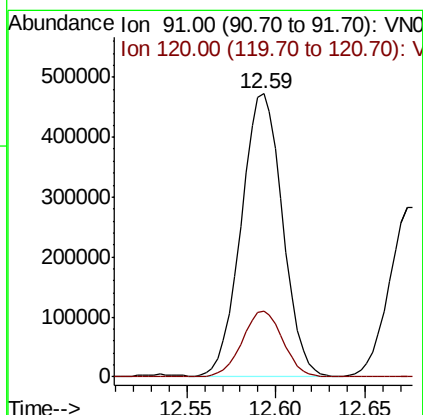
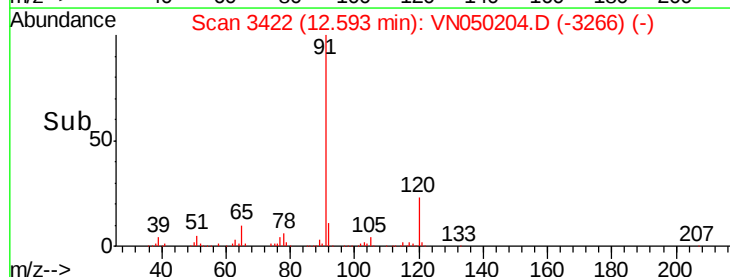
91 100

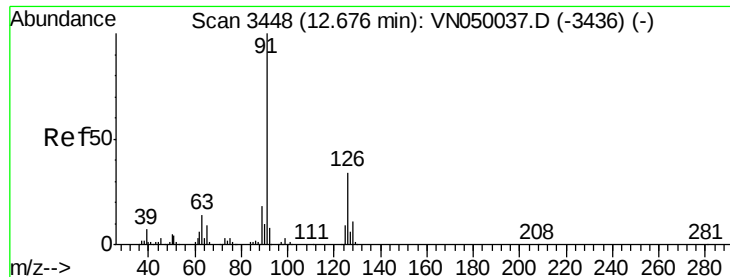
120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.38 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

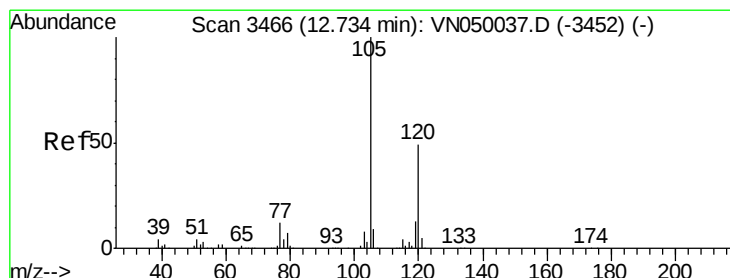
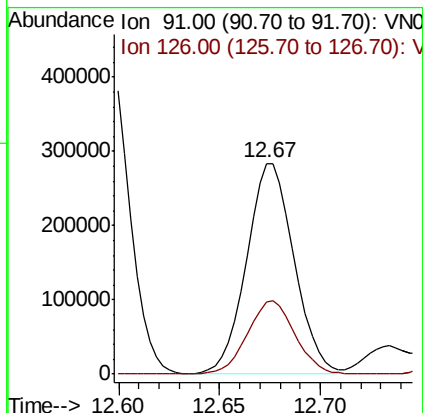
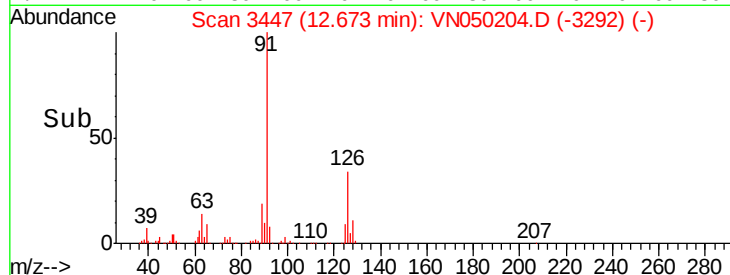
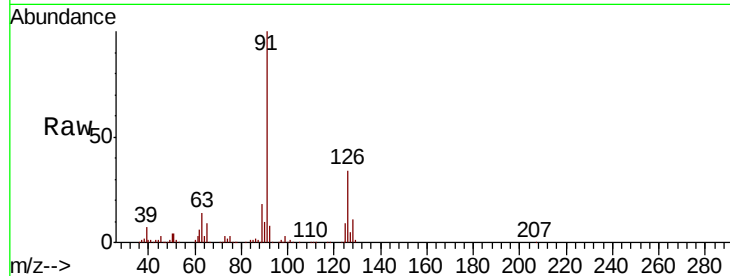
VN0731WBS01

Tot Ion: 91 Resp: 467295

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 19.49 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050204.D

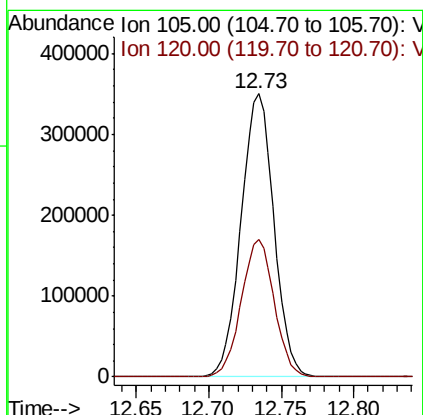
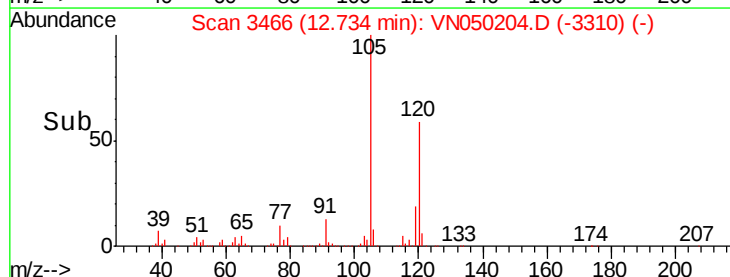
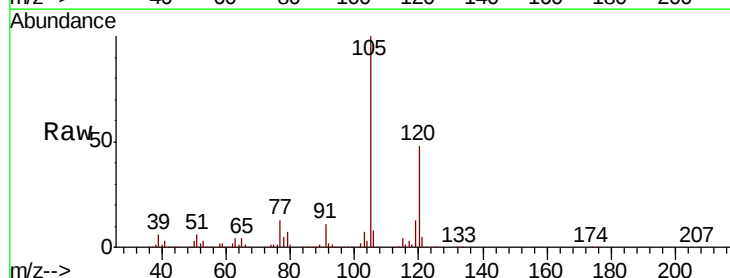
Acq: 31 Jul 2018 9:37

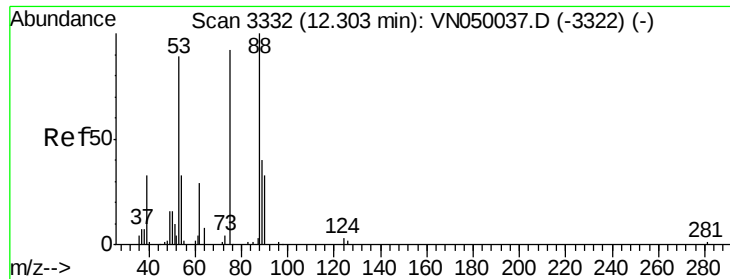
Tgt Ion: 105 Resp: 551752

Ion Ratio Lower Upper

105 100

120 48.7 0.0 98.0

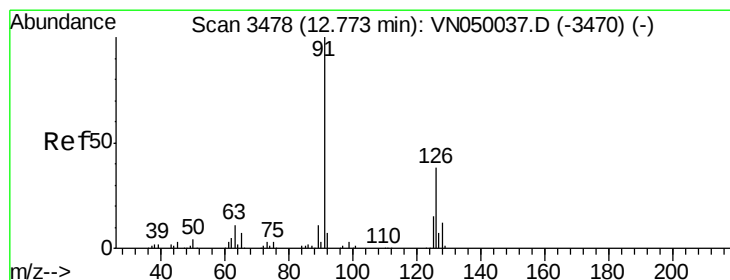
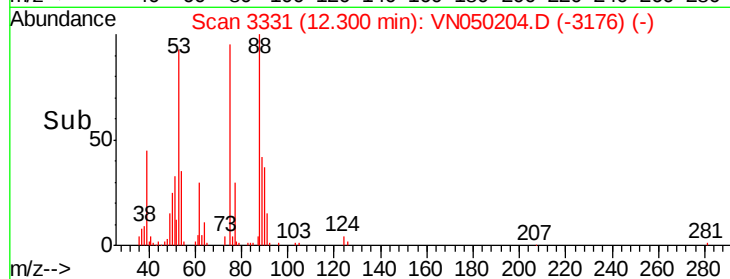
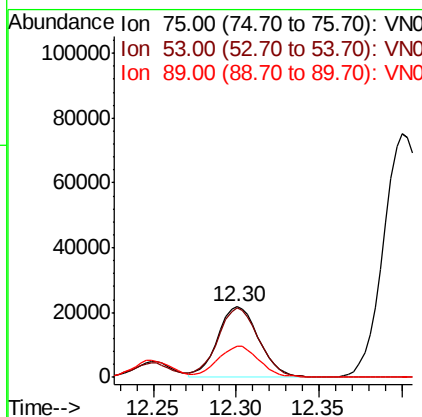
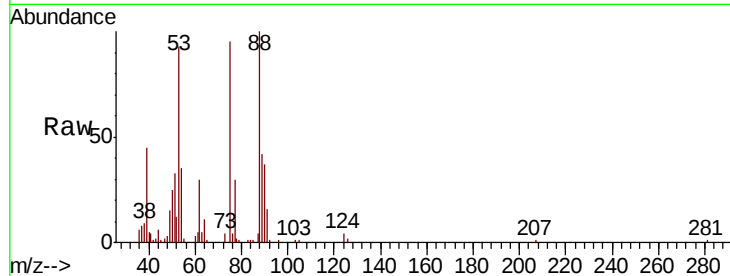




#77
 t-1,4-Dichloro-2-butene
 Concen: 14.34 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

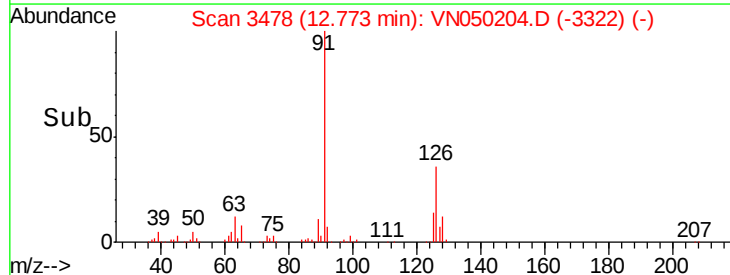
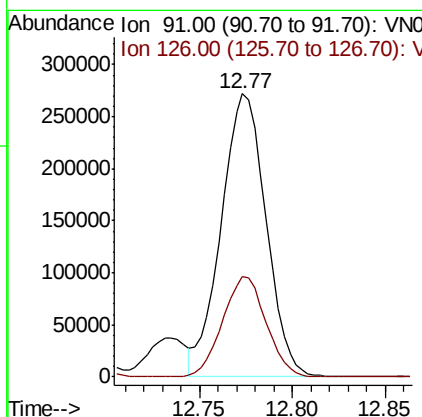
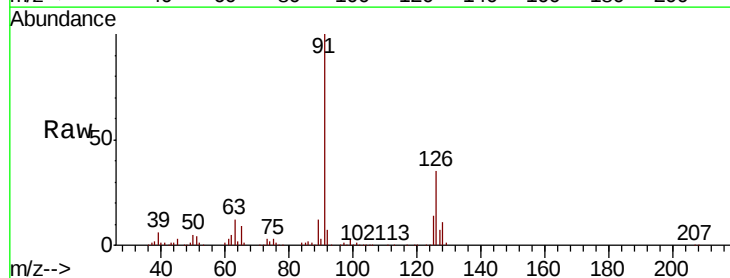
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

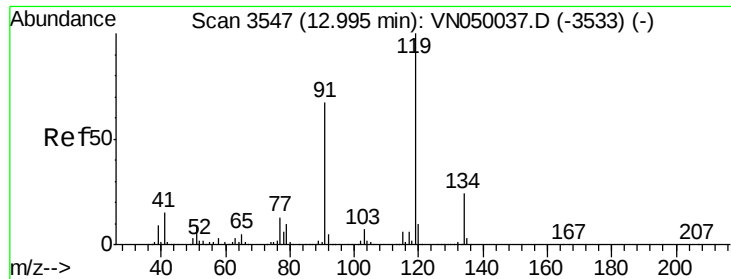
Tot Ion: 75 Resp: 37900
 Ion Ratio Lower Upper
 75 100
 53 98.3 44.6 134.0
 89 44.9 20.7 62.1



#78
 4-Chlorotoluene
 Concen: 19.09 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion: 91 Resp: 456036
 Ion Ratio Lower Upper
 91 100
 126 34.4 0.0 68.4

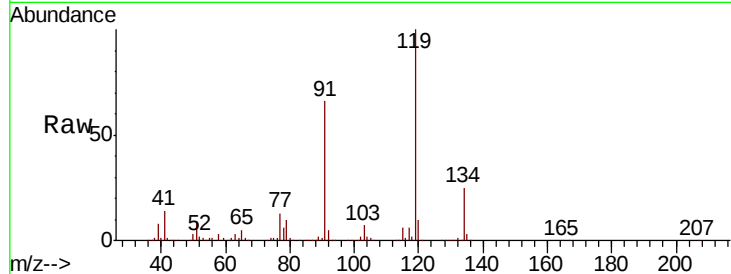




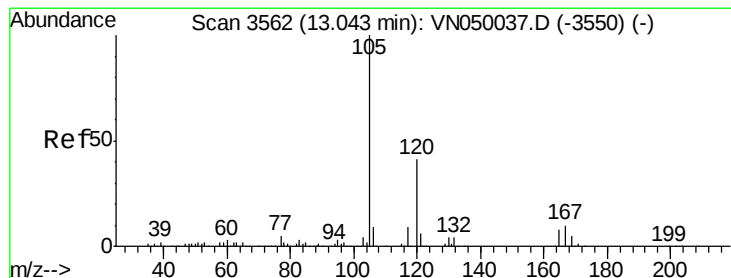
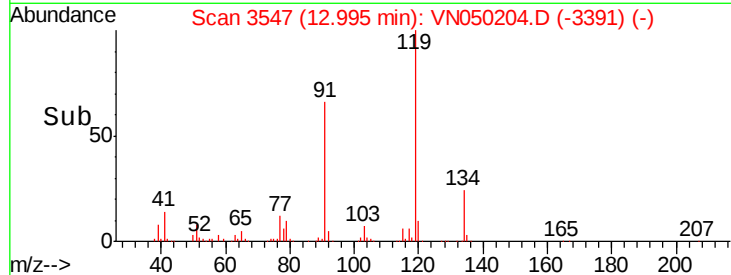
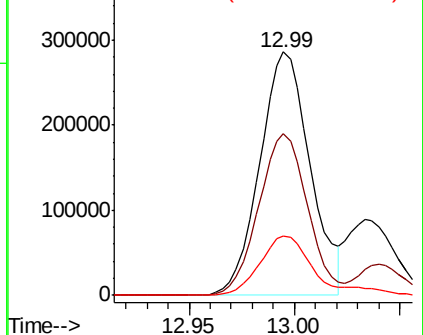
#79
tert-butylbenzene
Concen: 19.65 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

Tot Ion:119 Resp: 475621
Ion Ratio Lower Upper
119 100
91 64.6 0.0 126.8
134 24.3 0.0 47.4

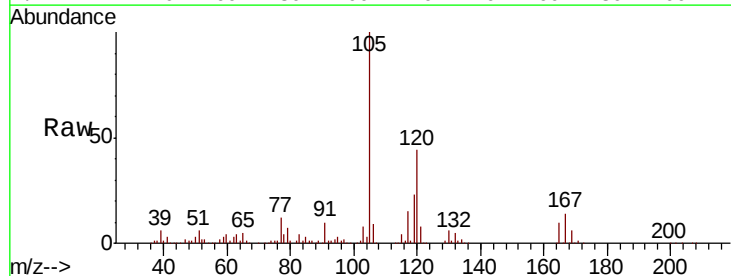


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

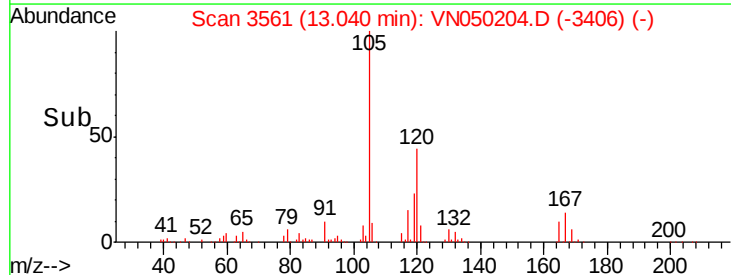
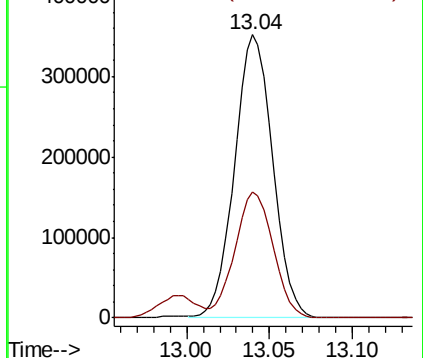


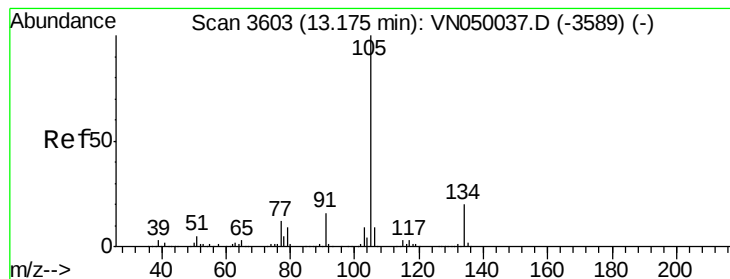
#80
1,2,4-Trimethylbenzene
Concen: 19.58 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion:105 Resp: 561669
Ion Ratio Lower Upper
105 100
120 45.0 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.36 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

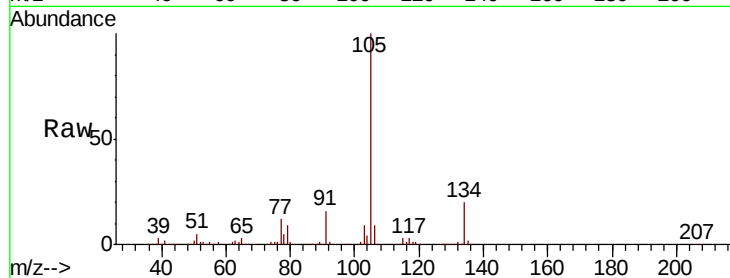
VN0731WBS01

Tot Ion:105 Resp: 636634

Ion Ratio Lower Upper

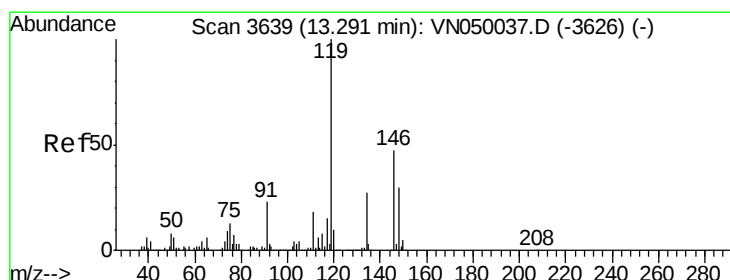
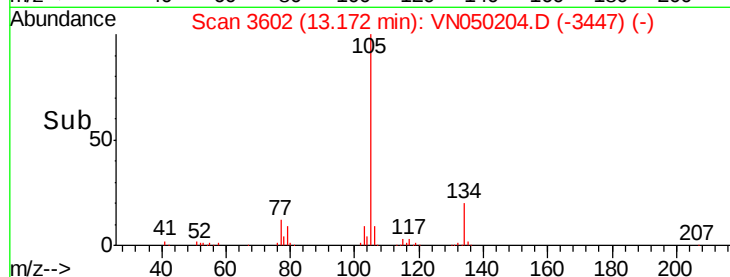
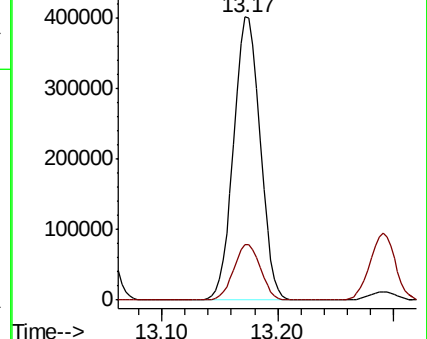
105 100

134 19.8 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.20 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

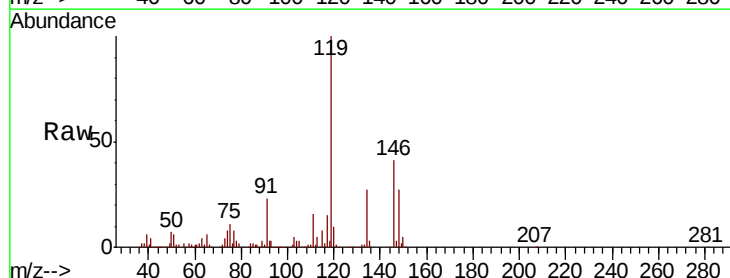
Tgt Ion:119 Resp: 538573

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.2

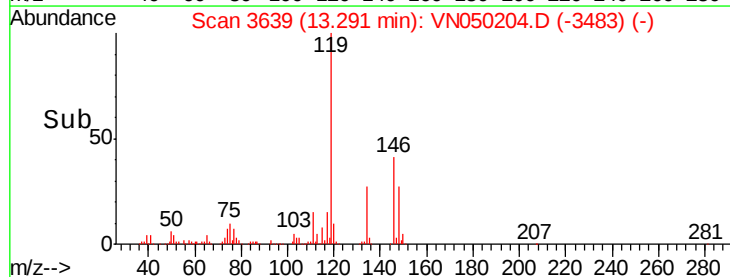
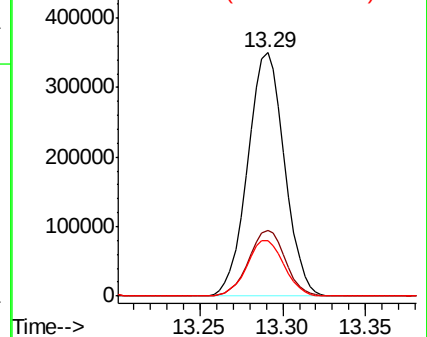
91 23.0 0.0 45.6

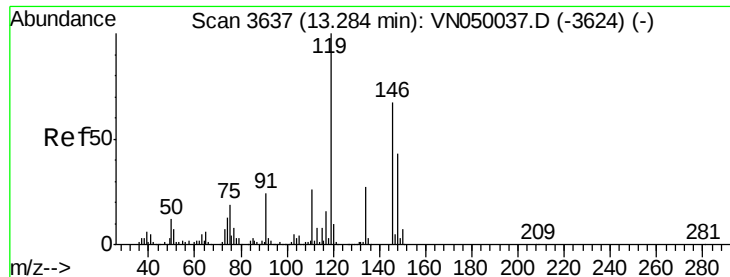


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

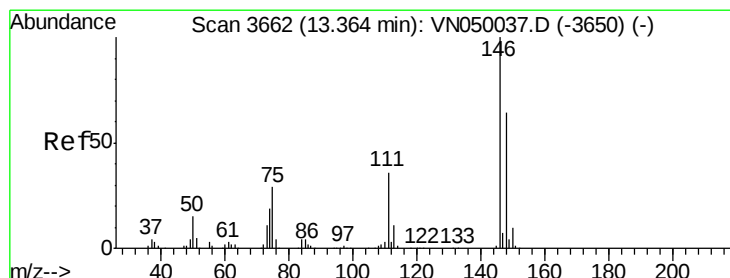
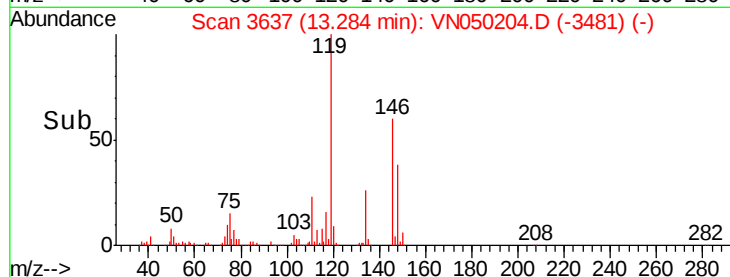
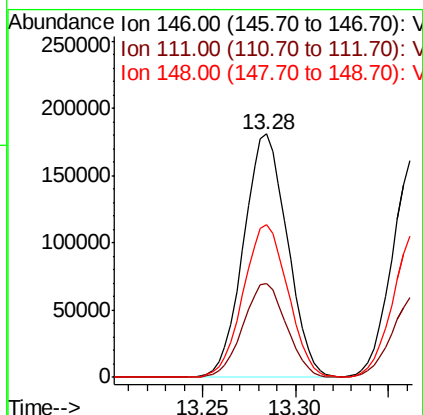
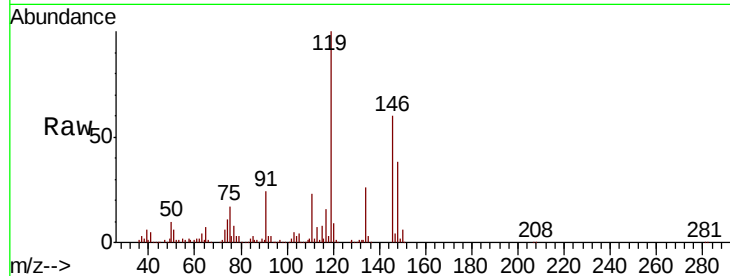




#83
 1,3-Dichlorobenzene
 Concen: 18.56 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

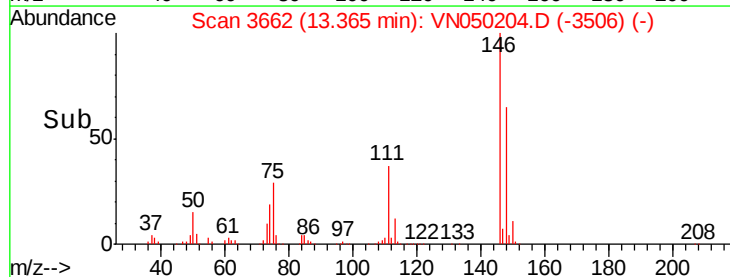
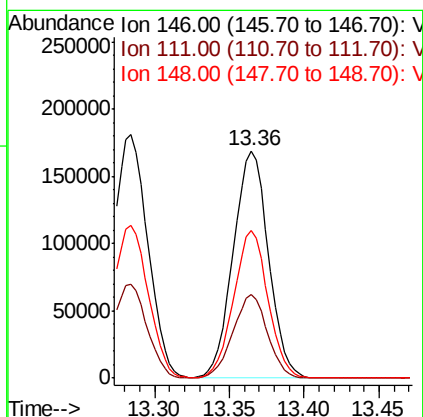
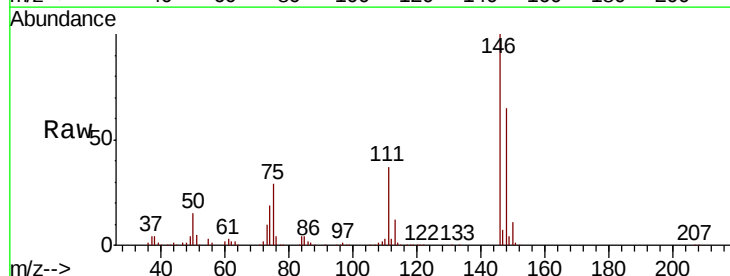
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

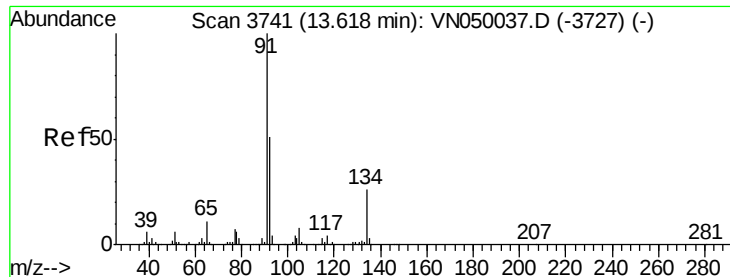
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.1	31.9	95.9



#84
 1,4-Dichlorobenzene
 Concen: 18.37 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.9	53.8
148	63.4	32.4	97.0

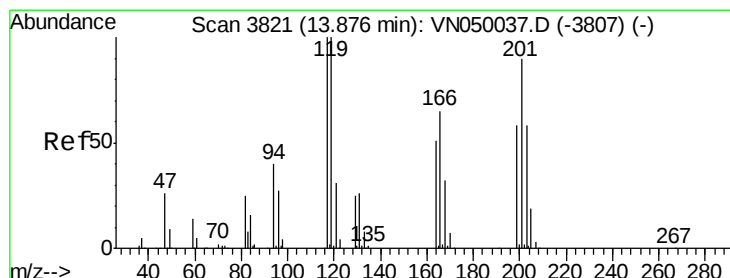
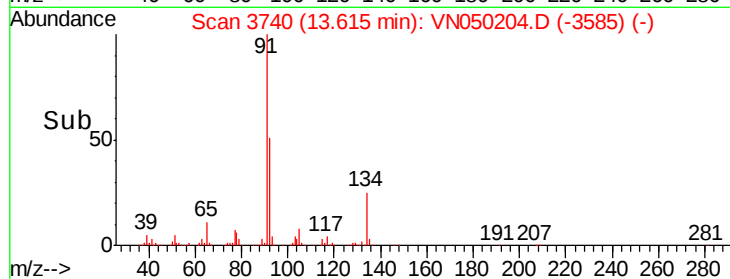
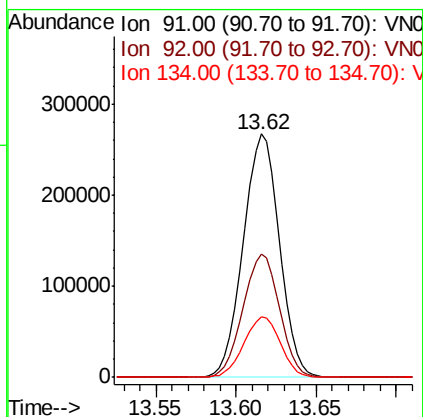
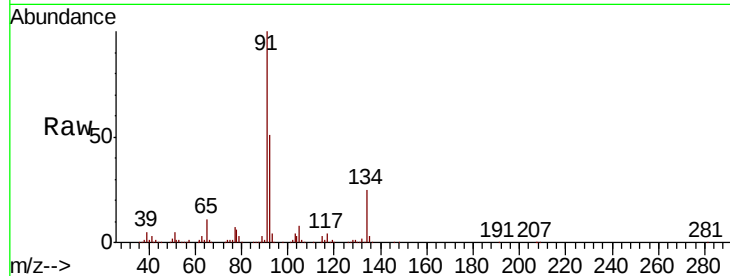




#85
n-Butylbenzene
Concen: 18.04 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

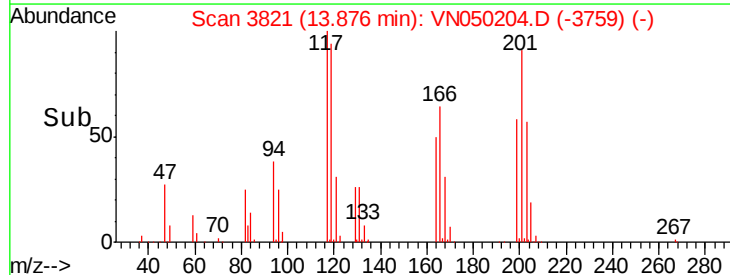
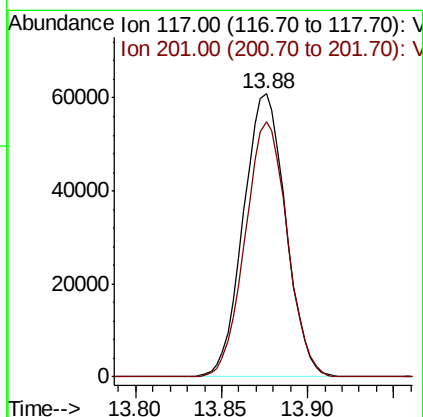
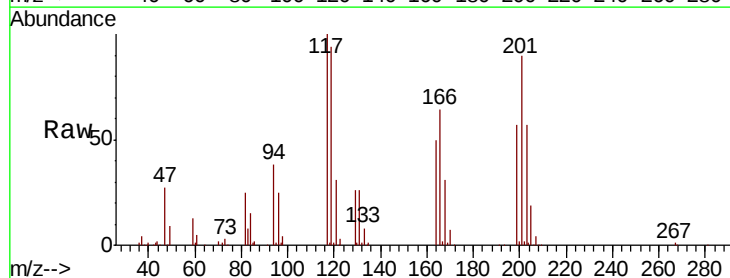
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBS01

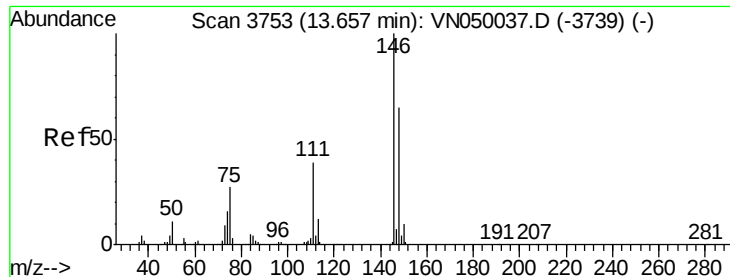
Tot Ion: 91 Resp: 410788
Ion Ratio Lower Upper
91 100
92 51.1 0.0 102.8
134 25.2 0.0 51.0



#86
Hexachloroethane
Concen: 18.63 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050204.D
Acq: 31 Jul 2018 9:37

Tgt Ion: 117 Resp: 104465
Ion Ratio Lower Upper
117 100
201 89.3 46.6 139.7

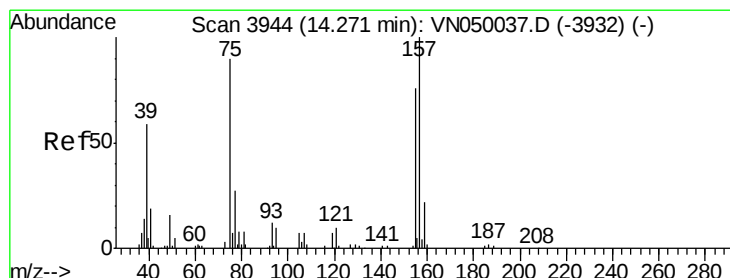
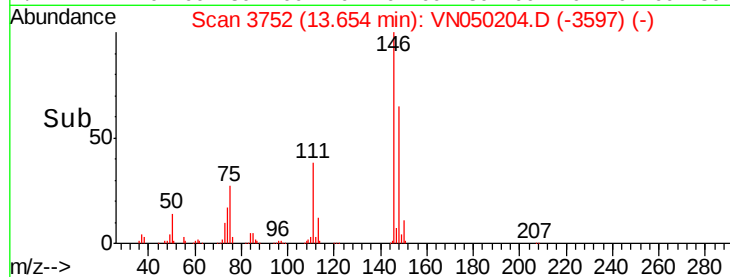
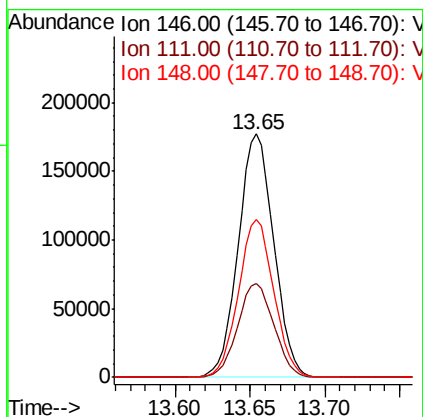
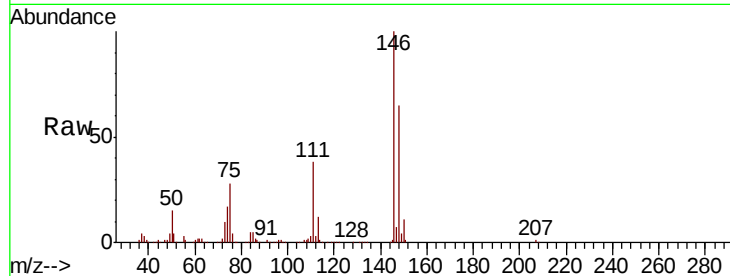




#87
 1,2-Dichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

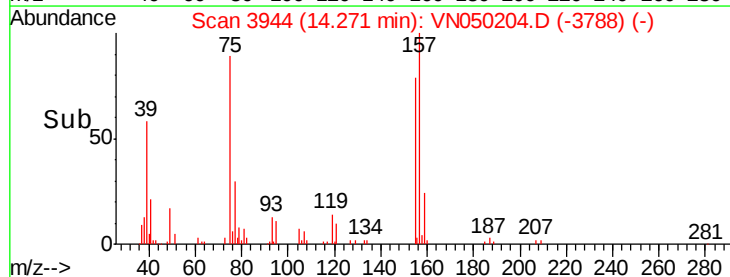
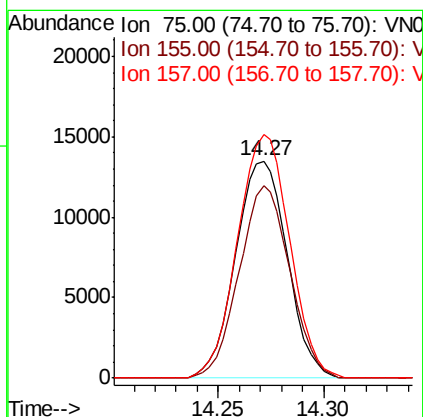
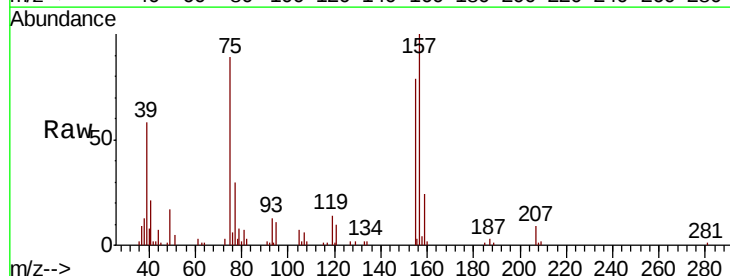
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBS01

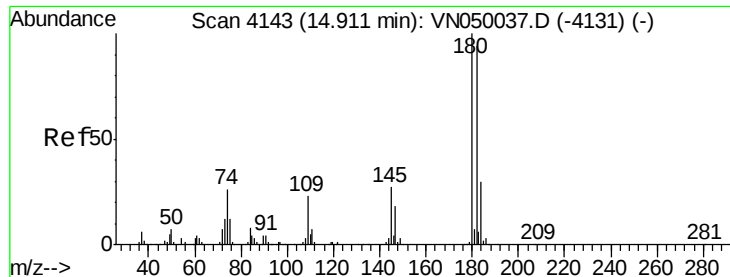
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.4	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.62 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	73.0	109.6
157	113.3	94.9	142.3

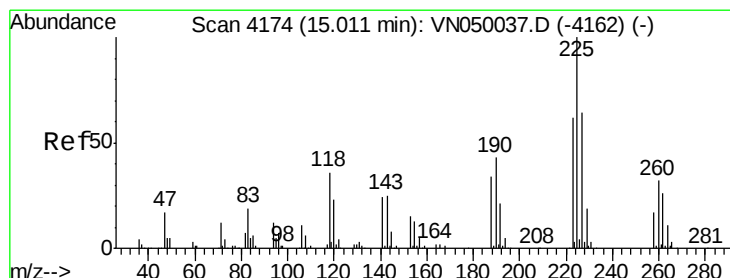
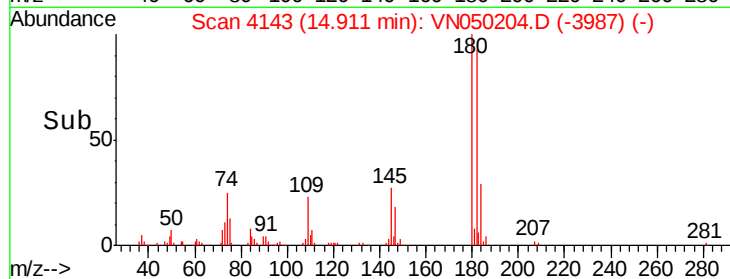
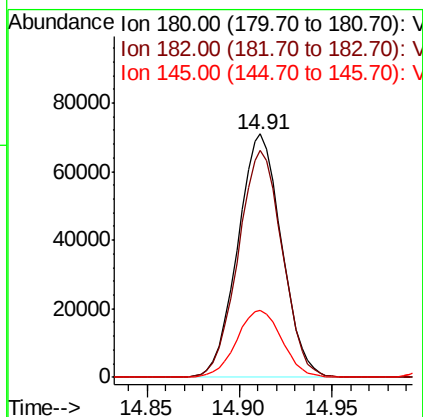
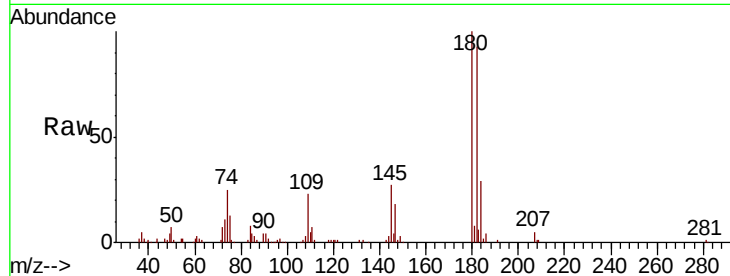




#89
 1,2,4-Trichlorobenzene
 Concen: 15.58 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

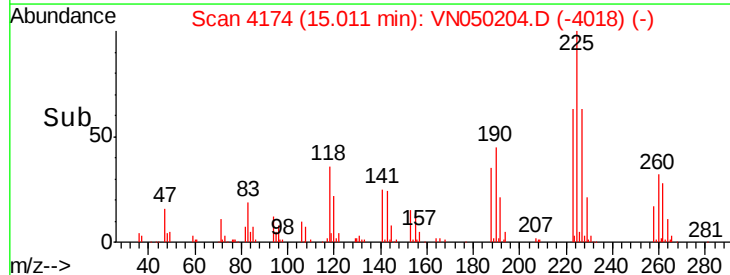
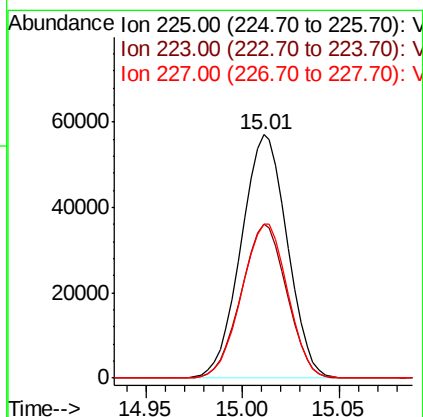
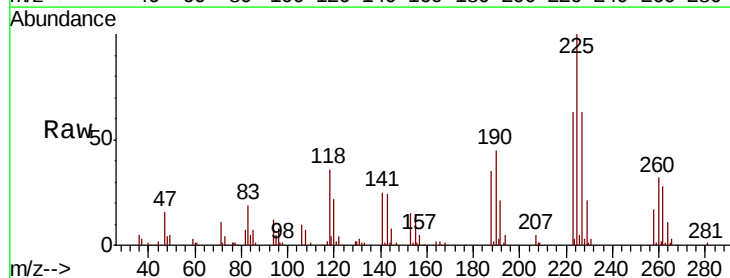
Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBS01

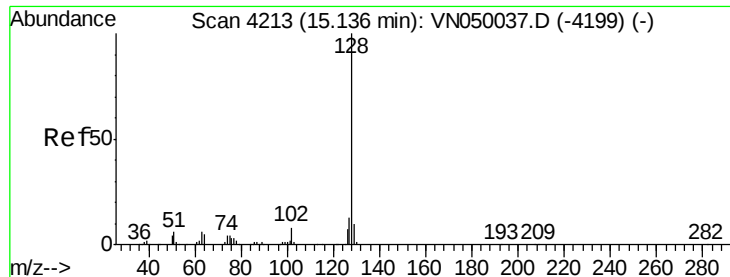
Tot Ion:180 Resp: 116312
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.7 115.1
 145 28.3 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 19.25 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050204.D
 Acq: 31 Jul 2018 9:37

Tgt Ion:225 Resp: 94728
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 124.4
 227 63.0 0.0 133.0





#91

Naphthalene

Concen: 16.58 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBS01

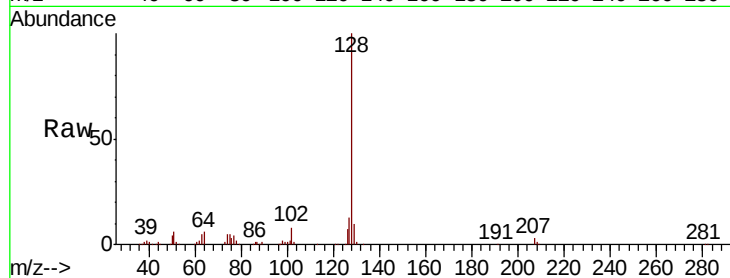
Tot Ion:128 Resp: 209132

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

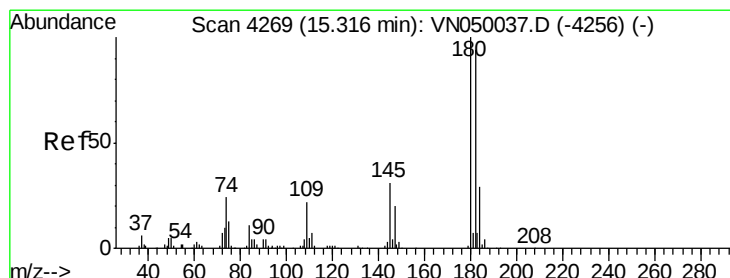
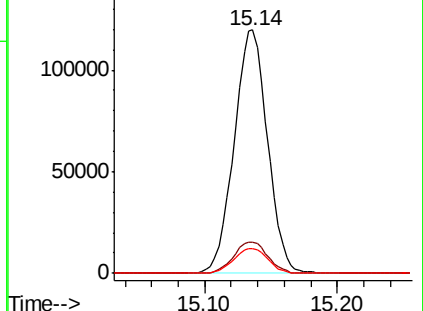
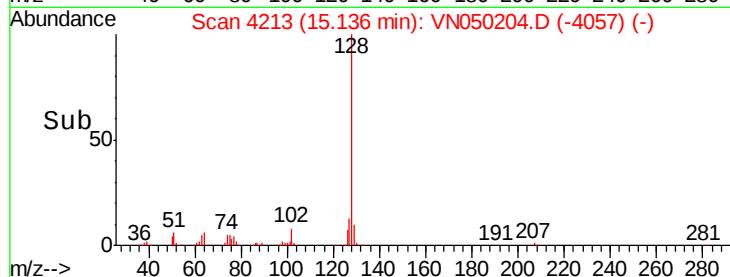
129 10.6 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.88 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050204.D

Acq: 31 Jul 2018 9:37

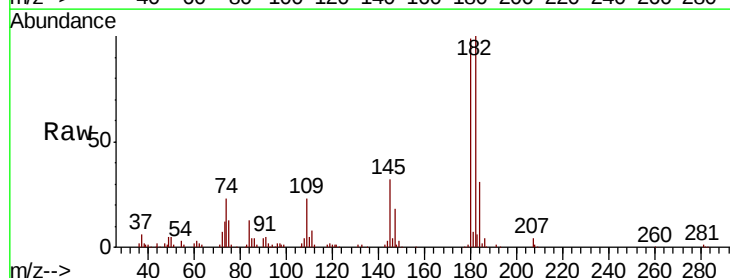
Tgt Ion:180 Resp: 120586

Ion Ratio Lower Upper

180 100

182 97.7 0.0 188.8

145 31.1 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

