

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050238.D
 Acq On : 1 Aug 2018 10:35
 Operator : MD\SY
 Sample : VN0801WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Quant Time: Aug 02 00:51:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	549699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	858579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	784739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	394862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	416225	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.59	113	360311	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1278589	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	421971	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144261	18.26	ug/l	99
3) Chloromethane	2.06	50	151283	17.62	ug/l	98
4) Vinyl Chloride	2.18	62	157288	17.40	ug/l	100
5) Bromomethane	2.56	94	67413	12.68	ug/l	100
6) Chloroethane	2.70	64	94650	17.43	ug/l	98
7) Trichlorofluoromethane	3.01	101	210078	17.94	ug/l	99
8) Diethyl Ether	3.41	74	85217	21.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	131284	18.64	ug/l	99
10) Methyl Iodide	3.95	142	79218	8.76	ug/l	99
11) Tert butyl alcohol	4.80	59	66433	117.72	ug/l	100
12) 1,1-Dichloroethene	3.73	96	113798	17.96	ug/l	98
13) Acrolein	3.61	56	29374	64.79	ug/l	96
14) Allyl chloride	4.32	41	193997	19.75	ug/l	97
15) Acrylonitrile	5.00	53	275721	111.99	ug/l	99
16) Acetone	3.82	43	222219	120.76	ug/l	99
17) Carbon Disulfide	4.05	76	316889	16.33	ug/l	99
18) Methyl Acetate	4.33	43	198882	27.57	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	378207	22.40	ug/l	100
20) Methylene Chloride	4.55	84	153084	21.80	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	127471	18.99	ug/l	96
22) Diisopropyl ether	5.96	45	438007	22.49	ug/l	98
23) Vinyl Acetate	5.90	43	1470783	106.84	ug/l	99
24) 1,1-Dichloroethane	5.85	63	258977	20.33	ug/l	99
25) 2-Butanone	6.84	43	333870	114.13	ug/l	99
26) 2,2-Dichloropropane	6.83	77	194105	20.03	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	151596	20.98	ug/l	99
28) Bromochloromethane	7.20	49	131029	22.55	ug/l	100
29) Tetrahydrofuran	7.22	42	218956	115.83	ug/l	99
30) Chloroform	7.37	83	269526	20.74	ug/l	97
31) Cyclohexane	7.66	56	191238	18.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	214702	19.31	ug/l	99
36) 1,1-Dichloropropene	7.80	75	173986	17.99	ug/l	99
37) Ethyl Acetate	6.93	43	141215	20.94	ug/l	98
38) Carbon Tetrachloride	7.78	117	183312	17.86	ug/l	95

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Quant Time: Aug 02 00:51:05 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	169442	17.03	ug/l	99
40) Benzene	8.04	78	573295	19.48	ug/l	99
41) Methacrylonitrile	7.18	41	59763	18.83	ug/l	100
42) 1,2-Dichloroethane	8.13	62	199972	20.36	ug/l	99
43) Isopropyl Acetate	8.17	43	283847	21.69	ug/l	96
44) Trichloroethene	8.84	130	145921	18.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	159047	20.40	ug/l	98
46) Dibromomethane	9.21	93	99738	20.60	ug/l	97
47) Bromodichloromethane	9.41	83	206505	20.21	ug/l	96
48) Methyl methacrylate	9.20	41	125315	21.58	ug/l	99
49) 1,4-Dioxane	9.20	88	36536	462.22	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	744888	112.35	ug/l	99
52) Toluene	10.16	92	349532	20.12	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	200738	20.82	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	226779	20.58	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	145960	21.18	ug/l	97
56) Ethyl methacrylate	10.43	69	177582	20.28	ug/l	98
57) 1,3-Dichloropropane	10.71	76	239904	21.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	377876	92.21	ug/l	100
59) 2-Hexanone	10.75	43	490498	103.77	ug/l	100
60) Dibromochloromethane	10.90	129	160921	21.09	ug/l	99
61) 1,2-Dibromoethane	11.01	107	139928	20.46	ug/l	98
64) Tetrachloroethene	10.63	164	137504	18.23	ug/l	96
65) Chlorobenzene	11.44	112	385067	19.43	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153863	20.20	ug/l	99
67) Ethyl Benzene	11.51	91	607372	19.07	ug/l	100
68) m/p-Xylenes	11.63	106	478393	39.72	ug/l	99
69) o-Xylene	11.95	106	225732	19.66	ug/l	97
70) Styrene	11.97	104	375257	18.96	ug/l	98
71) Bromoform	12.13	173	113774	20.54	ug/l #	100
73) Isopropylbenzene	12.25	105	597089	19.50	ug/l	99
74) N-amyl acetate	12.07	43	188504	20.14	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	187993	21.99	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	225250	30.70	ug/l #	100
77) Bromobenzene	12.53	156	167347	19.72	ug/l	99
78) n-propylbenzene	12.59	91	670606	19.59	ug/l	100
79) 2-Chlorotoluene	12.68	91	422636	19.92	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	494079	20.51	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47796	20.66	ug/l	98
82) 4-Chlorotoluene	12.78	91	416380	19.82	ug/l	99
83) tert-Butylbenzene	12.99	119	415416	19.76	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	505499	20.82	ug/l	98
85) sec-Butylbenzene	13.17	105	552884	19.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	467140	19.74	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	274827	19.10	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268449	19.14	ug/l	97
89) n-Butylbenzene	13.62	91	349138	17.94	ug/l	100
90) Hexachloroethane	13.88	117	94355	17.95	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	281795	19.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28414	20.34	ug/l	98

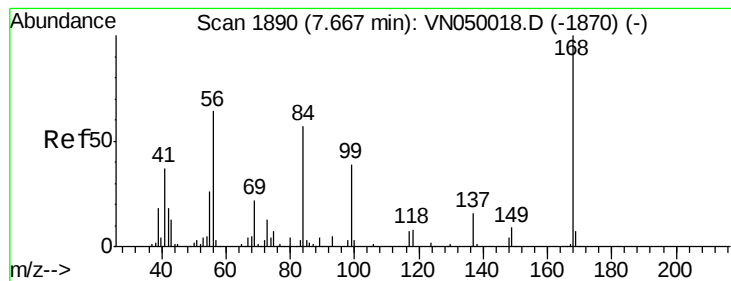
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111216	16.77	ug/l	96
94) Hexachlorobutadiene	15.01	225	79305	18.01	ug/l	98
95) Naphthalene	15.14	128	248032	16.95	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	122581	17.98	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampled :

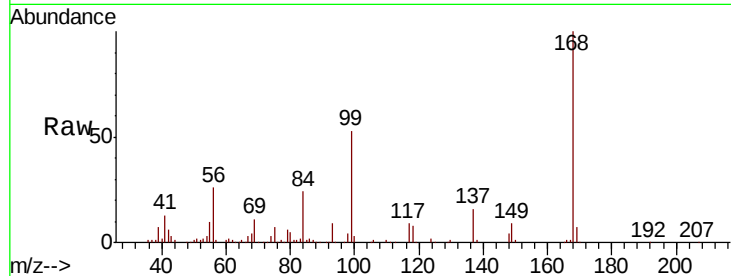
VN0801WBSD01

Tot Ion:168 Resp: 549699

Ion Ratio Lower Upper

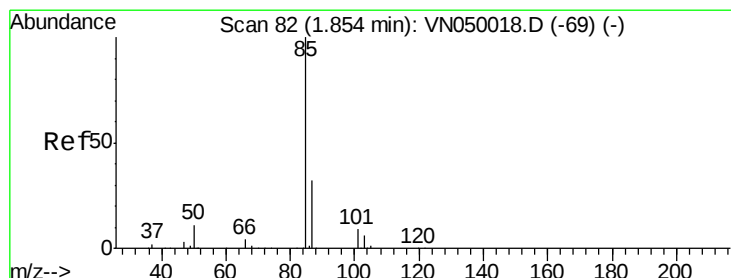
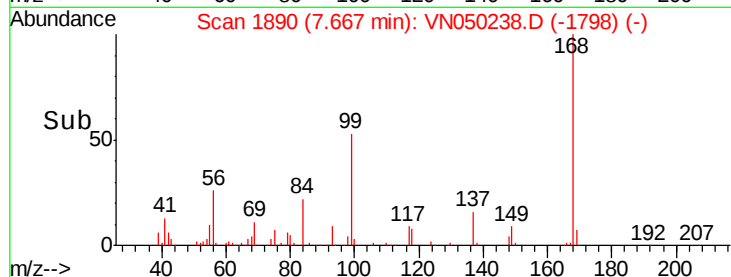
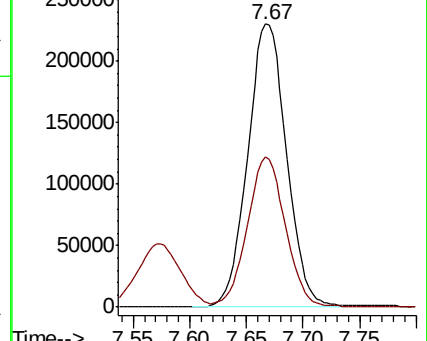
168 100

99 52.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.26 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050238.D

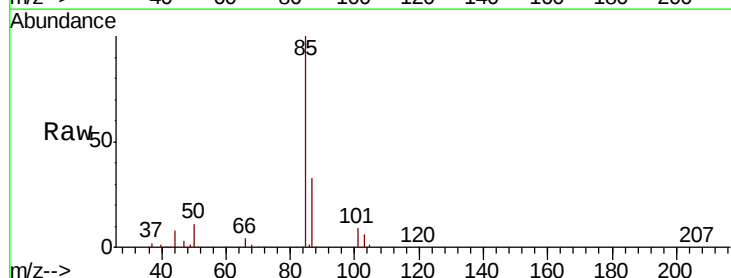
Acq: 1 Aug 2018 10:35

Tgt Ion: 85 Resp: 144261

Ion Ratio Lower Upper

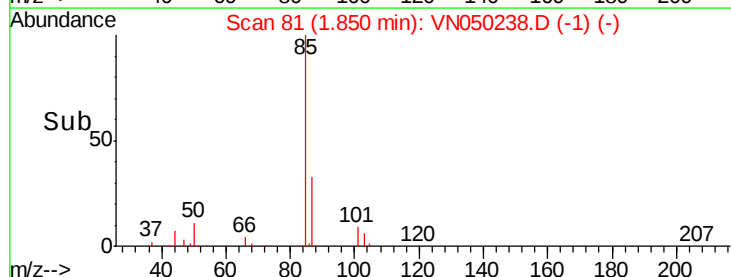
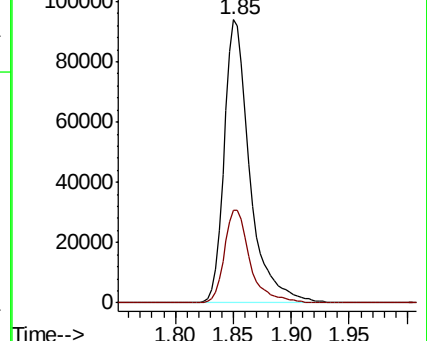
85 100

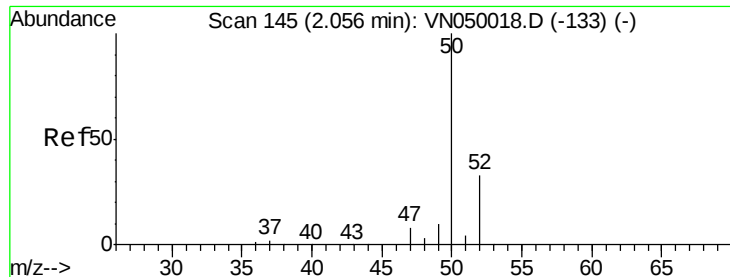
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.62 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

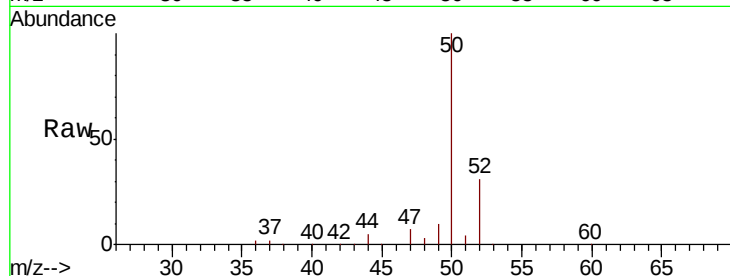
VN0801WBSD01

Tot Ion: 50 Resp: 151283

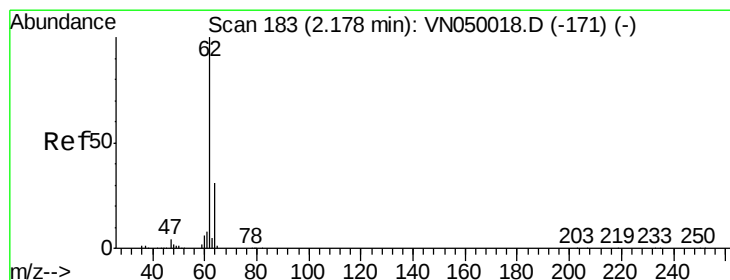
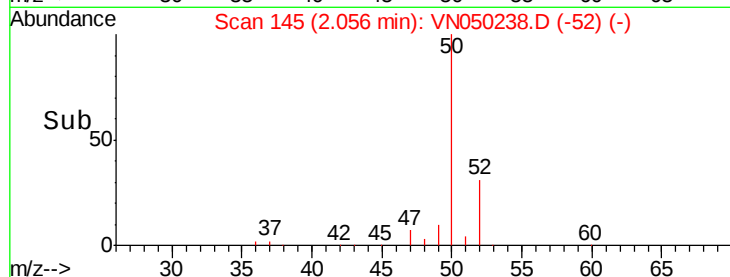
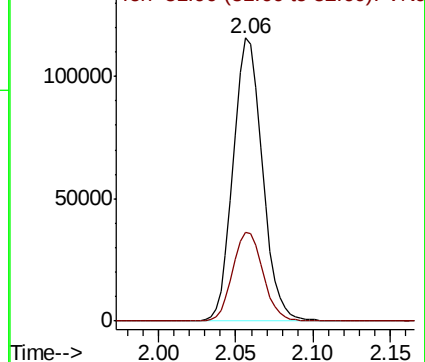
Ion Ratio Lower Upper

50 100

52 31.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.40 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050238.D

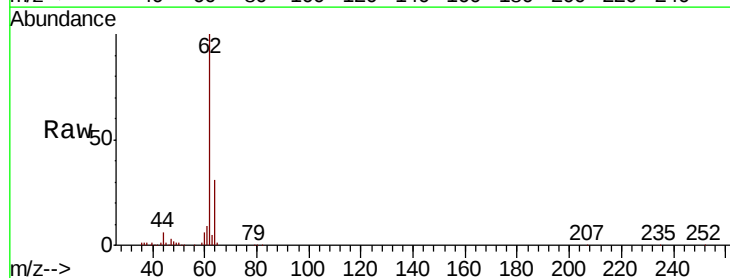
Acq: 1 Aug 2018 10:35

Tgt Ion: 62 Resp: 157288

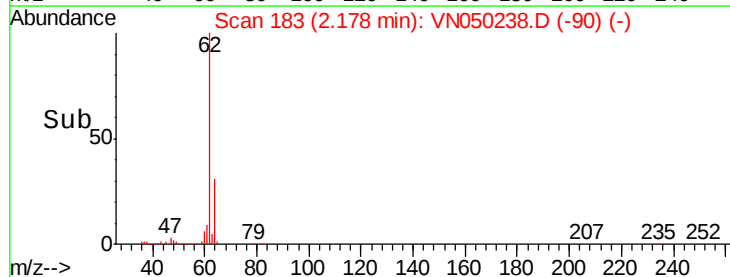
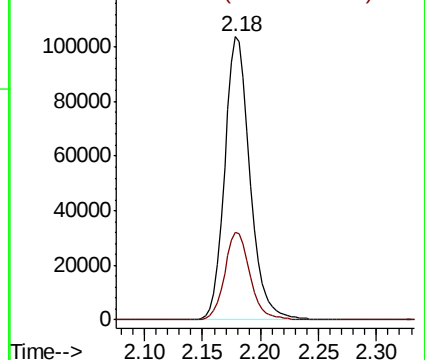
Ion Ratio Lower Upper

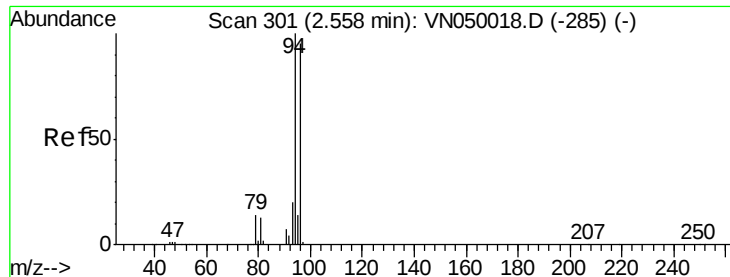
62 100

64 31.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 12.68 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

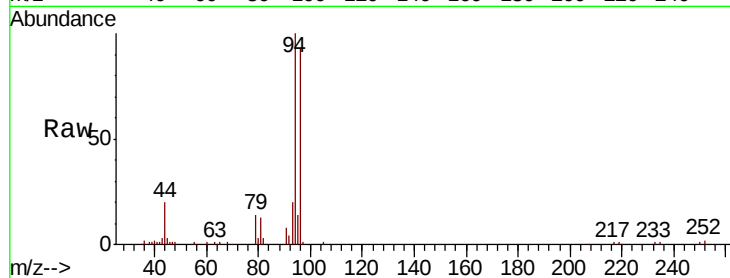
VN0801WBSD01

Tot Ion: 94 Resp: 67413

Ion Ratio Lower Upper

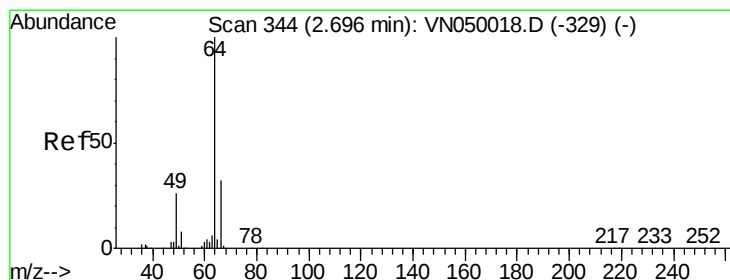
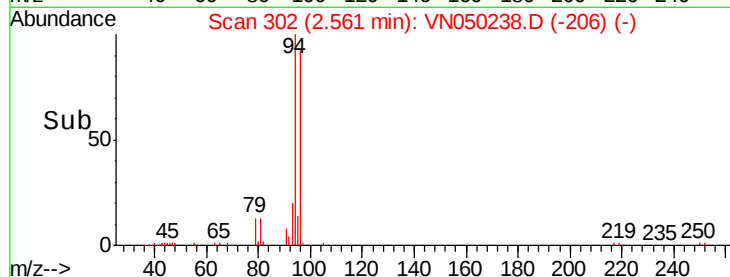
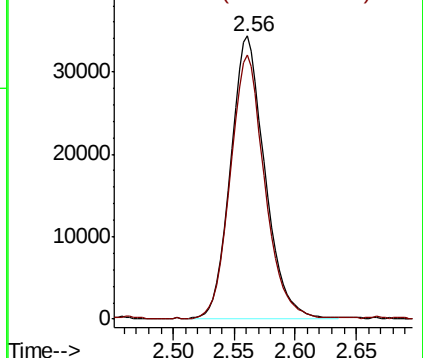
94 100

96 93.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.43 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050238.D

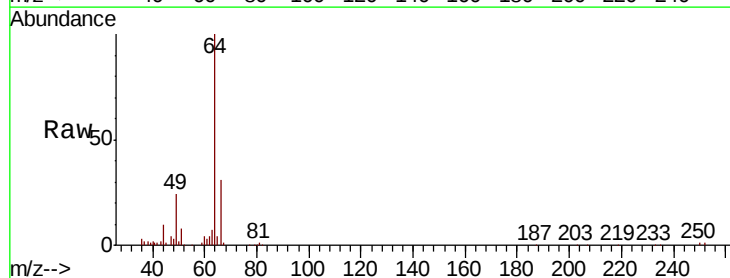
Acq: 1 Aug 2018 10:35

Tgt Ion: 64 Resp: 94650

Ion Ratio Lower Upper

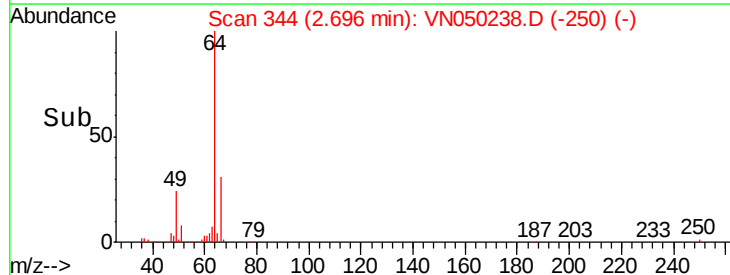
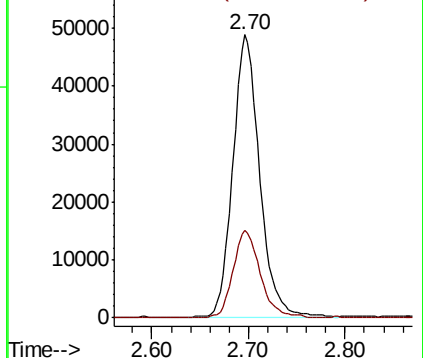
64 100

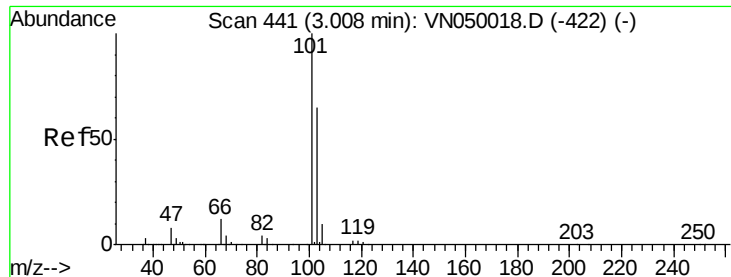
66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



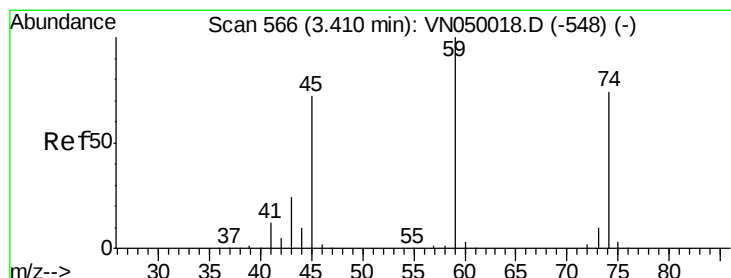
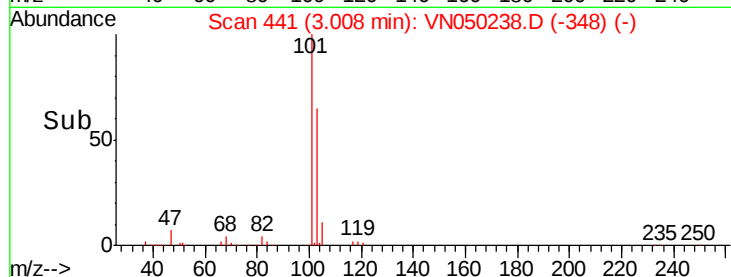
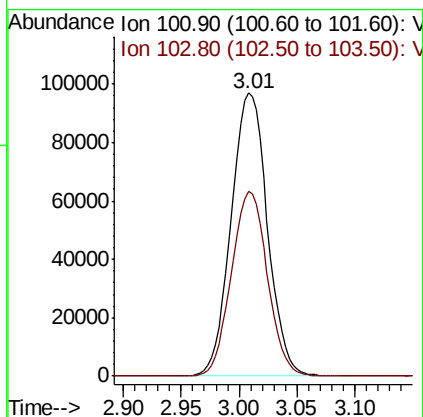
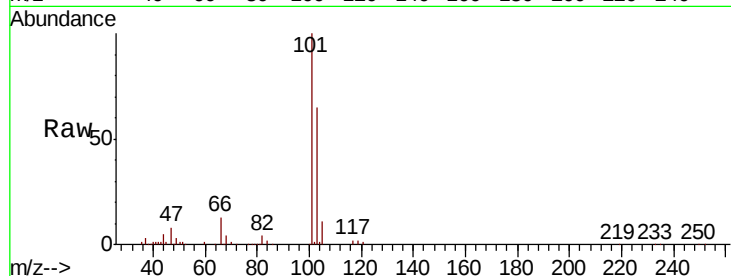


#7

Trichlorofluoromethane
 Concen: 17.94 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

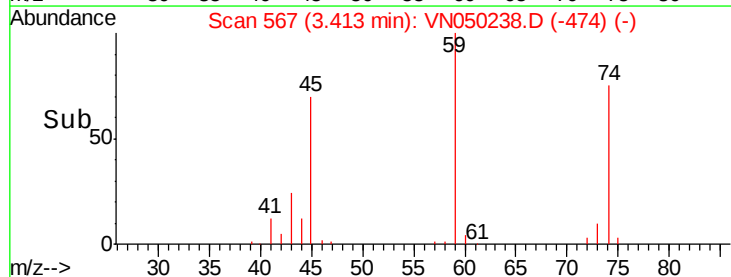
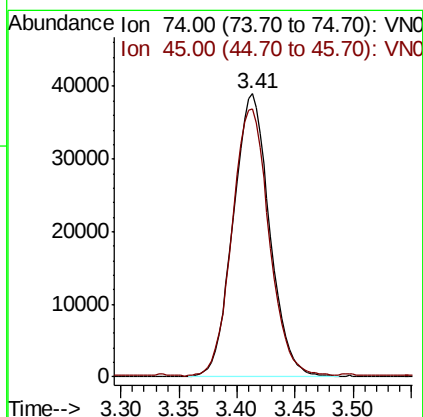
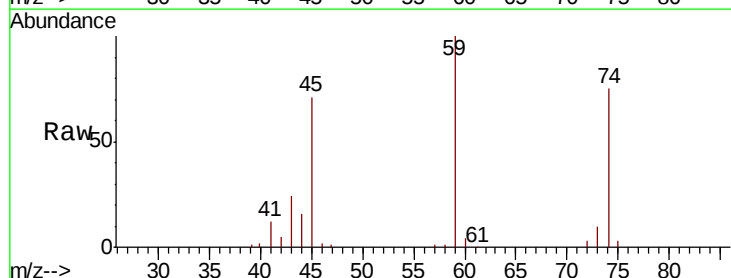
Tot Ion:101 Resp: 210078
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.7 77.5

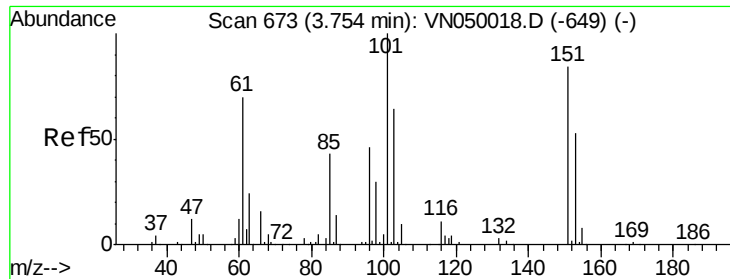


#8

Diethyl Ether
 Concen: 21.82 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Tgt Ion: 74 Resp: 85217
 Ion Ratio Lower Upper
 74 100
 45 95.6 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.64 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

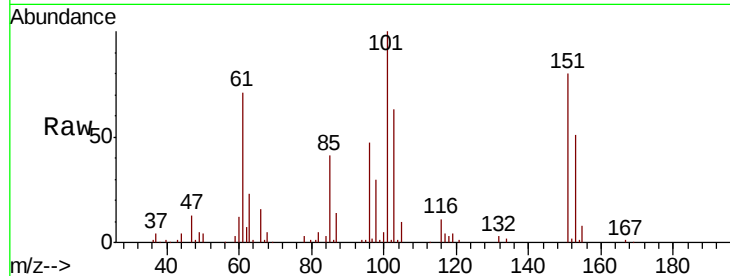
Tot Ion:101 Resp: 131284

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.2

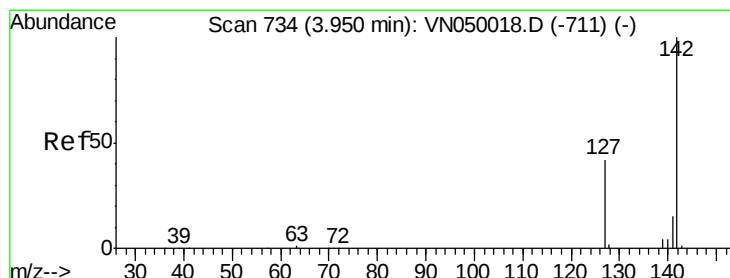
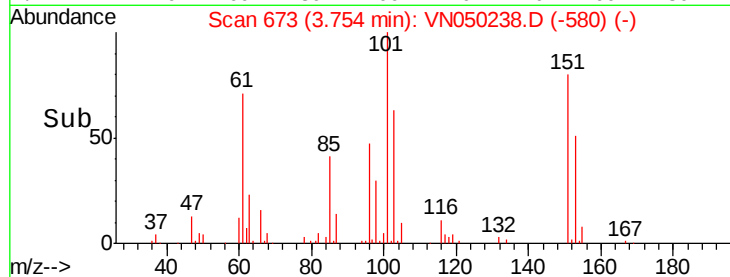
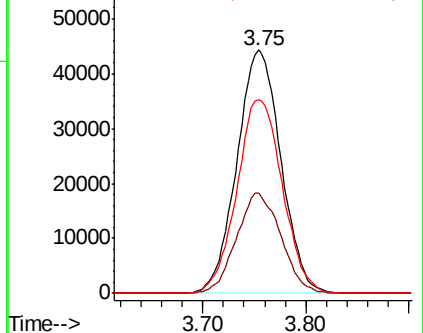
151 82.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.76 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

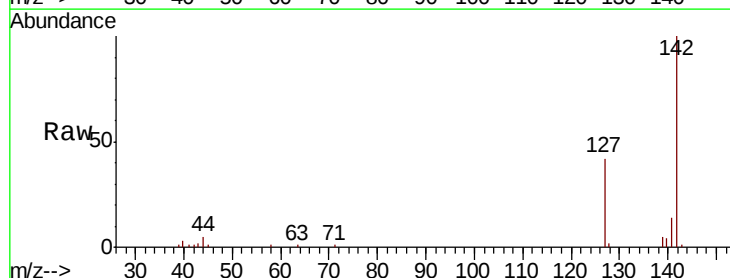
Tgt Ion:142 Resp: 79218

Ion Ratio Lower Upper

142 100

127 42.1 33.4 50.2

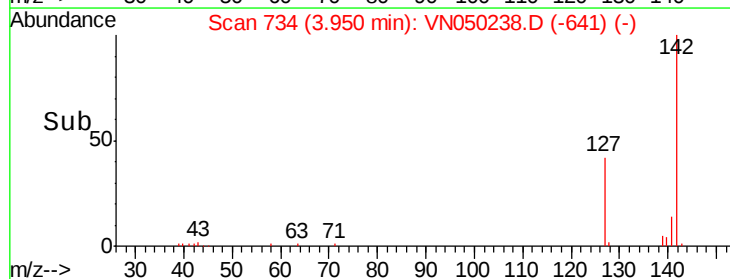
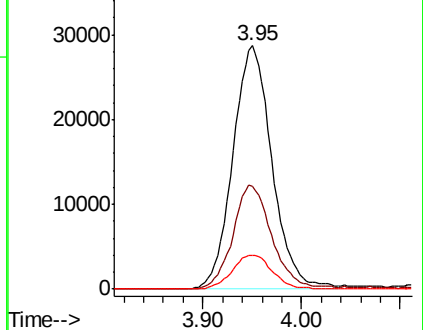
141 14.2 11.6 17.4

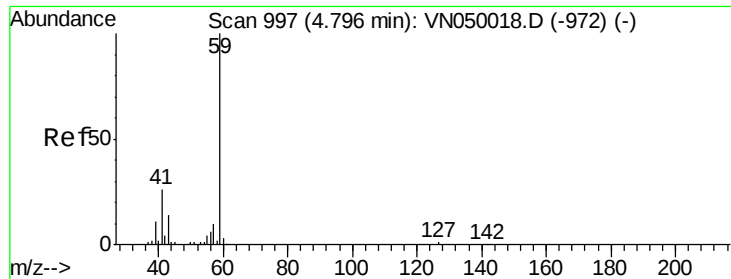


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



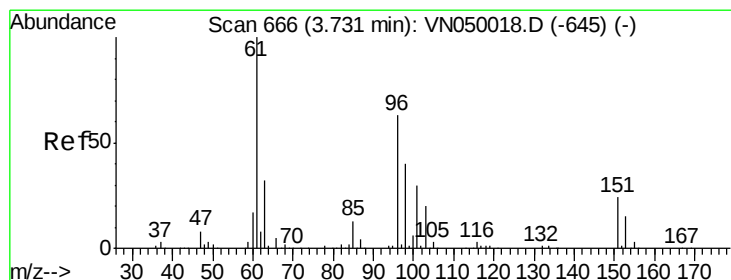
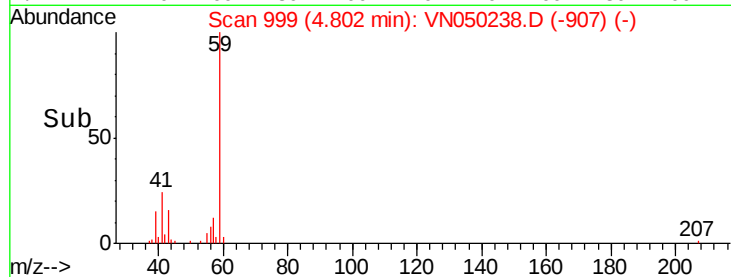
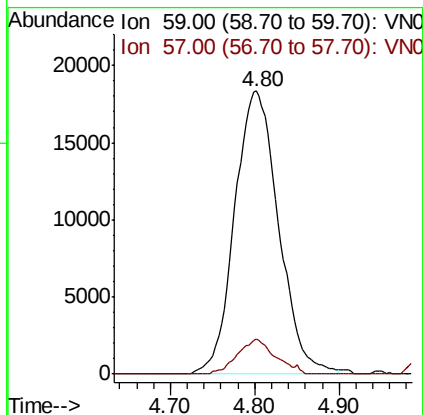
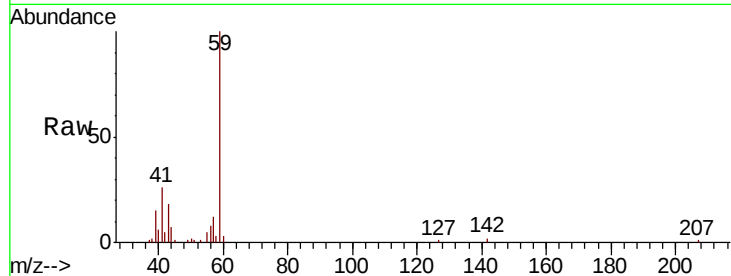


#11

Tert butyl alcohol
Concen: 117.72 ug/l
RT: 4.80 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

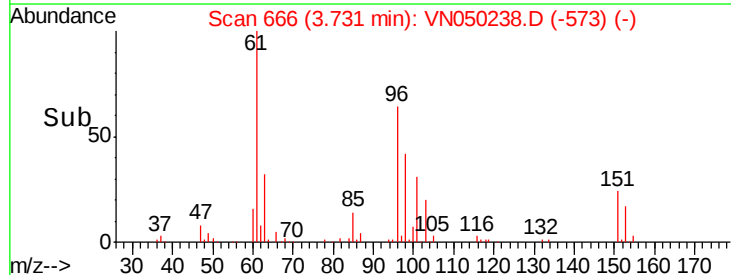
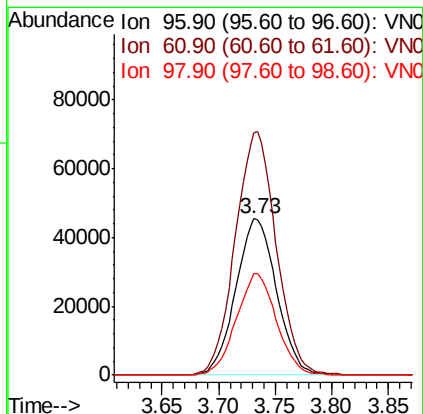
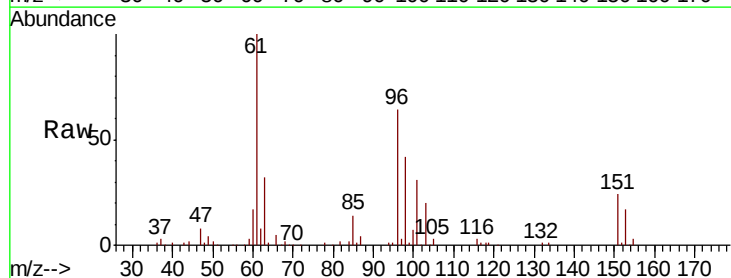
Tot Ion: 59 Resp: 66433
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

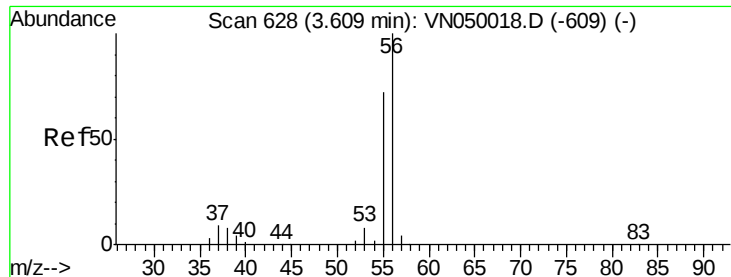


#12

1,1-Dichloroethene
Concen: 17.96 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 96 Resp: 113798
Ion Ratio Lower Upper
96 100
61 155.3 124.4 186.6
98 64.8 48.3 72.5





#13

Acrolein

Concen: 64.79 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

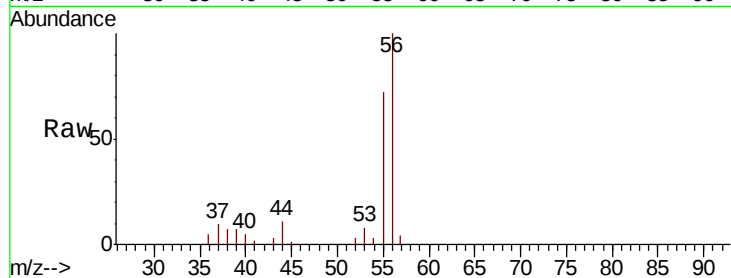
VN0801WBSD01

Tot Ion: 56 Resp: 29374

Ion Ratio Lower Upper

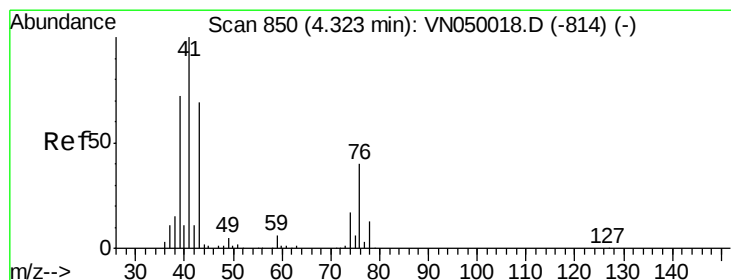
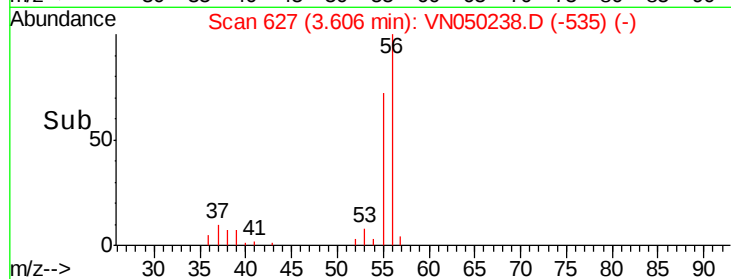
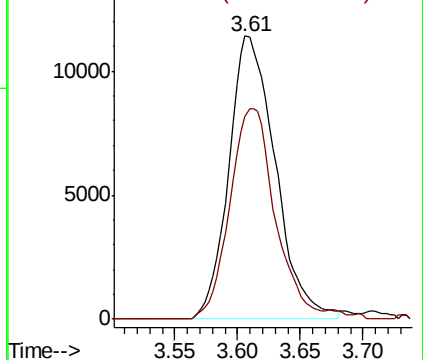
56 100

55 72.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.75 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

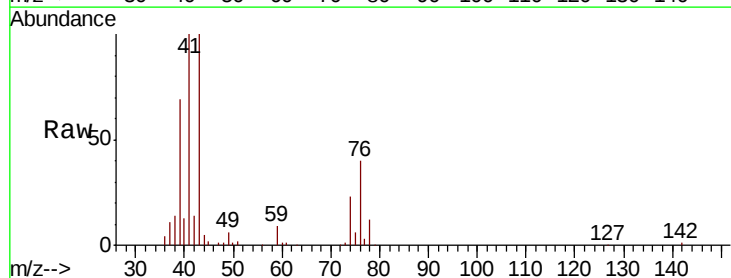
Tgt Ion: 41 Resp: 193997

Ion Ratio Lower Upper

41 100

39 65.1 54.2 81.4

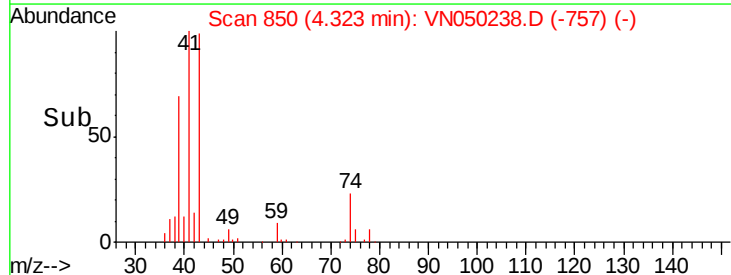
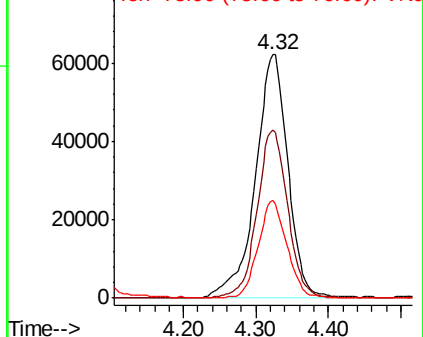
76 35.5 29.0 43.6

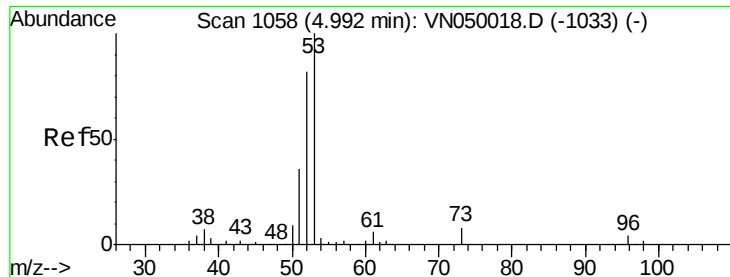


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.99 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

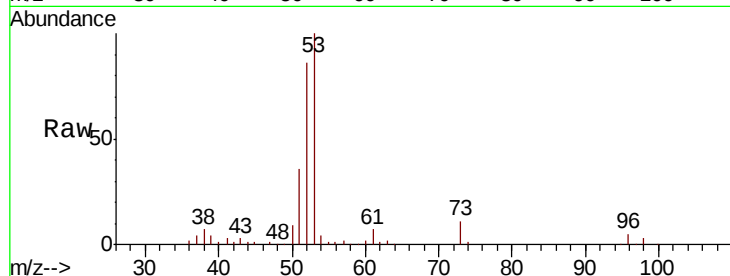
Tot Ion: 53 Resp: 275721

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

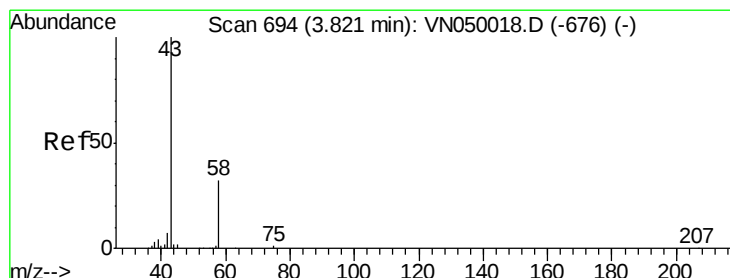
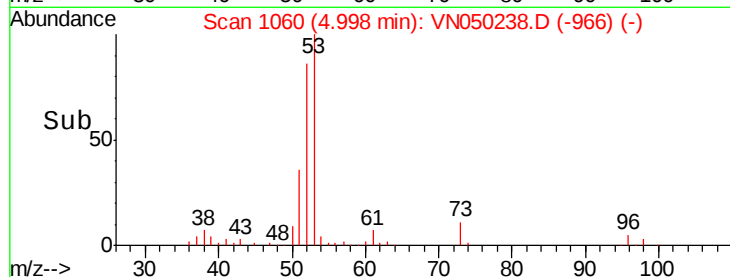
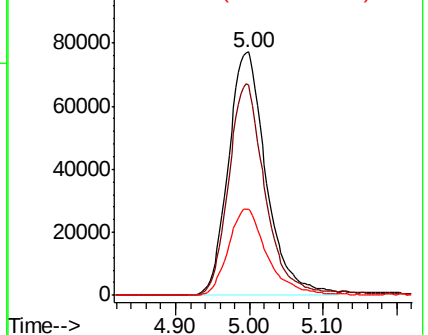
51 36.6 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 120.76 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050238.D

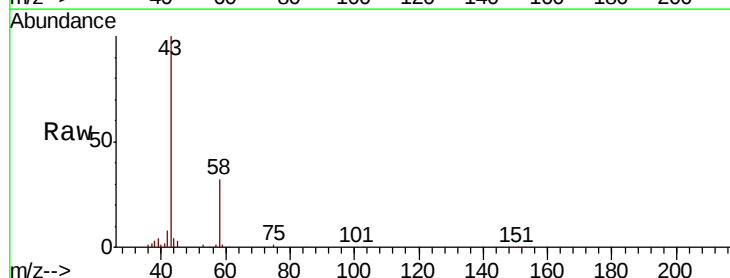
Acq: 1 Aug 2018 10:35

Tgt Ion: 43 Resp: 222219

Ion Ratio Lower Upper

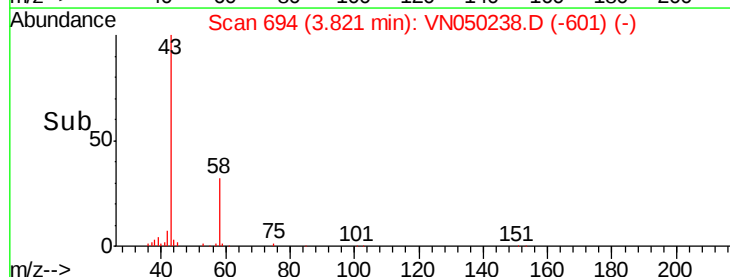
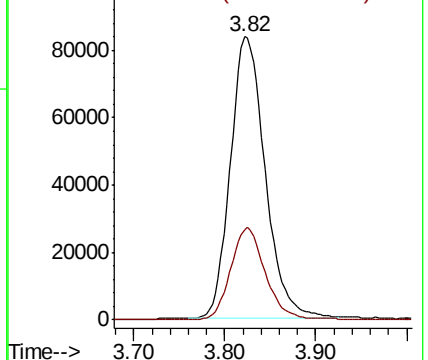
43 100

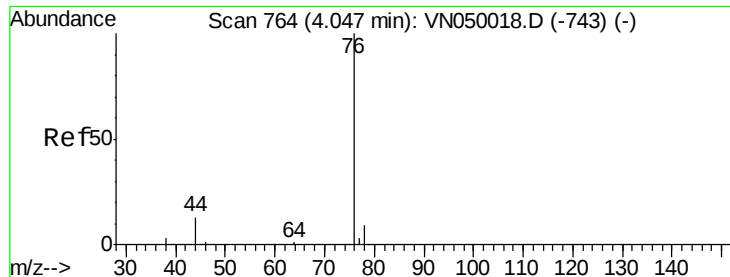
58 31.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

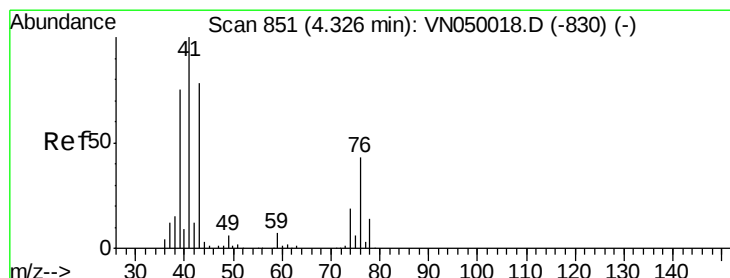
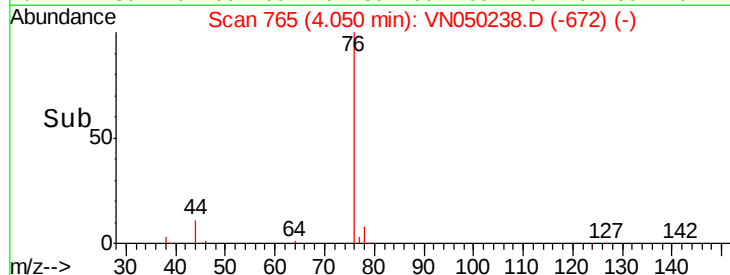
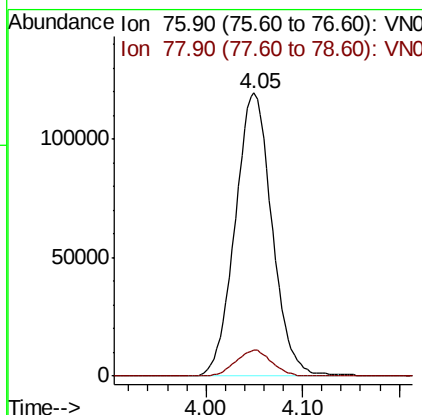
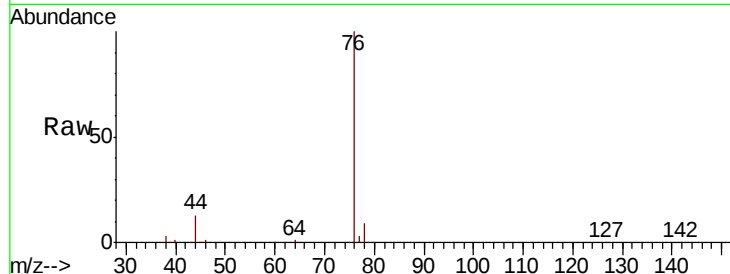




#17
Carbon Disulfide
Concen: 16.33 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

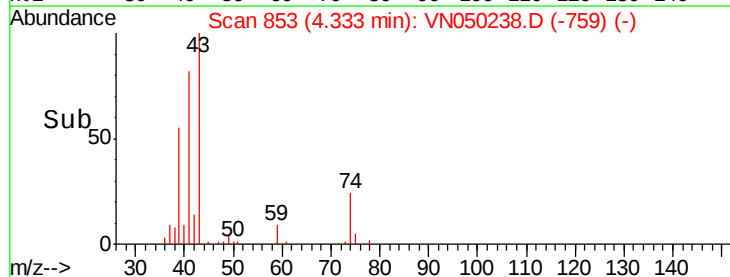
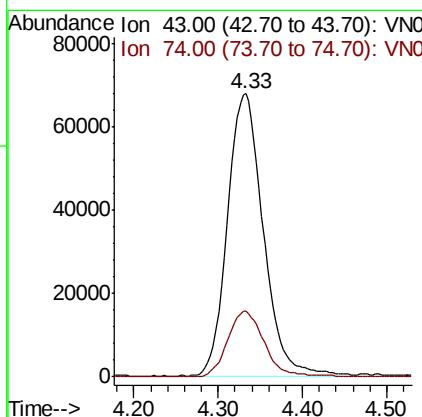
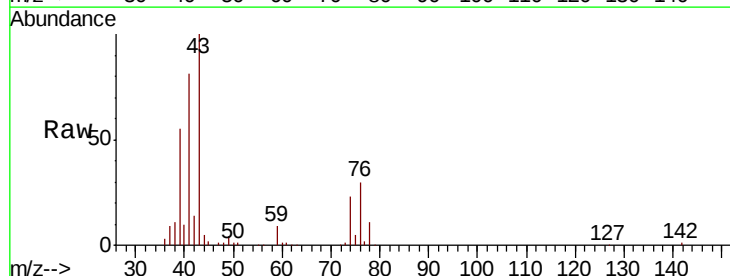
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

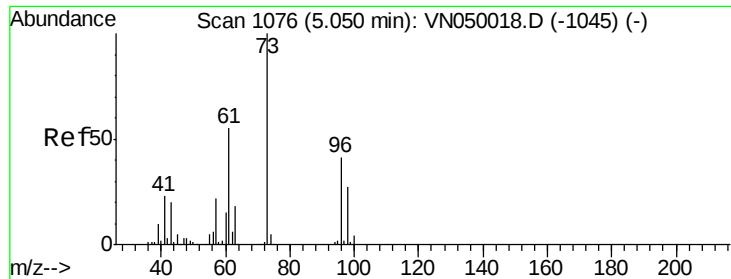
Tot Ion: 76 Resp: 316889
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 27.57 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 43 Resp: 198882
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8

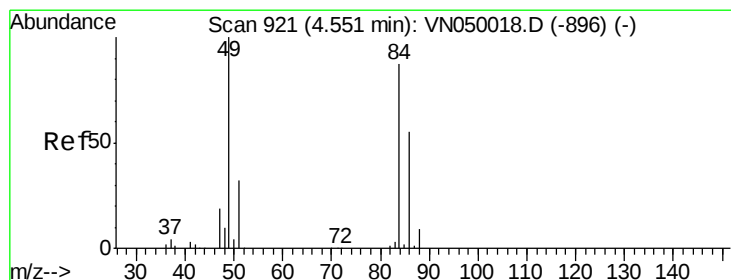
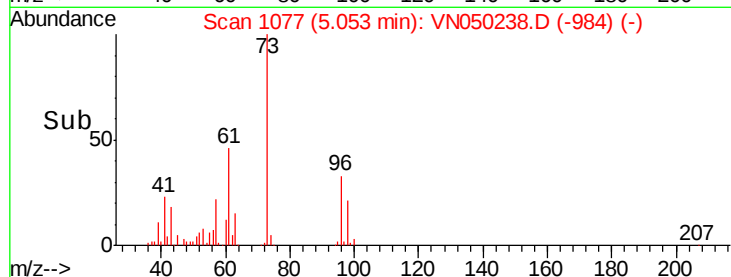
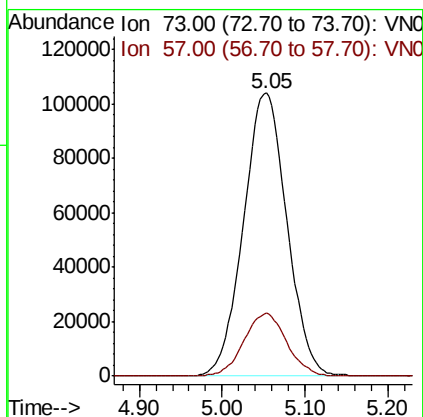
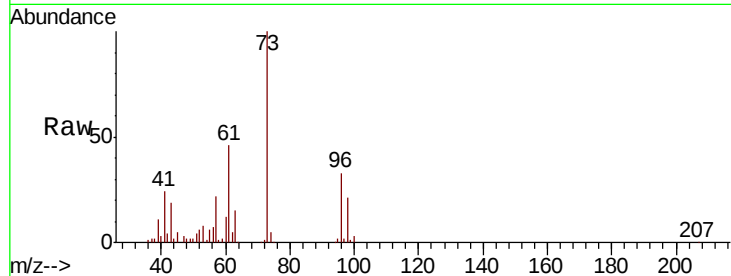




#19
Methvl tert-butvl Ether
Concen: 22.40 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

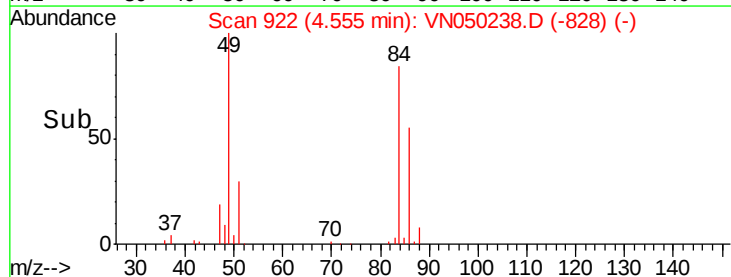
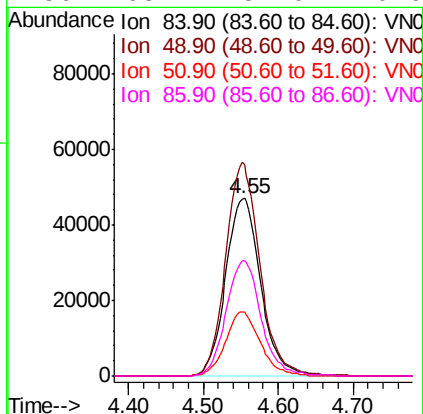
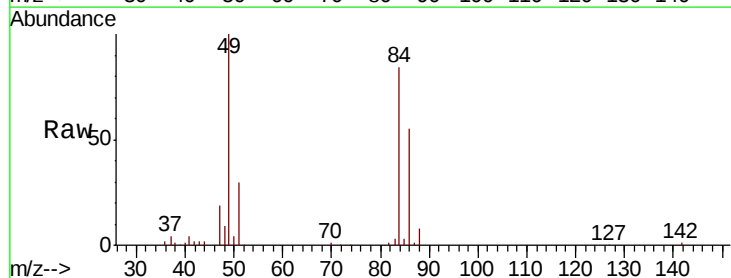
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

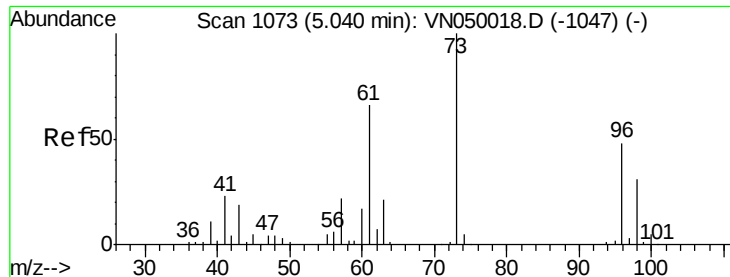
Tot Ion: 73 Resp: 378207
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0



#20
Methylene Chloride
Concen: 21.80 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 84 Resp: 153084
Ion Ratio Lower Upper
84 100
49 118.5 94.8 142.2
51 36.0 28.3 42.5
86 65.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.99 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

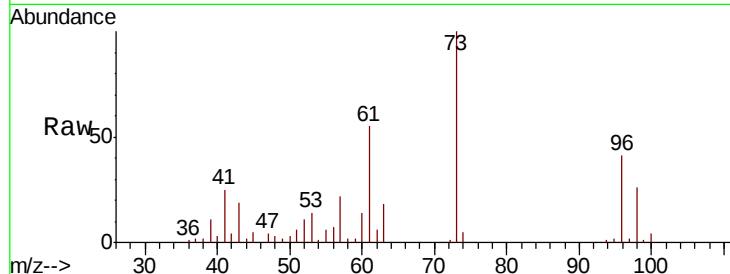
Tot Ion: 96 Resp: 127471

Ion Ratio Lower Upper

96 100

61 132.8 110.7 166.1

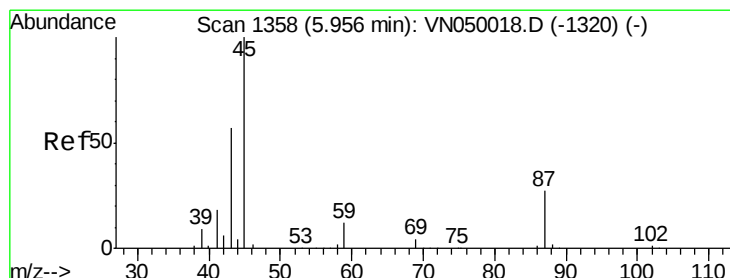
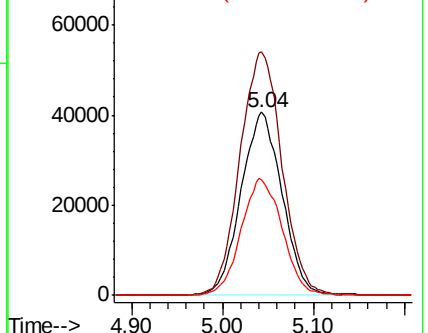
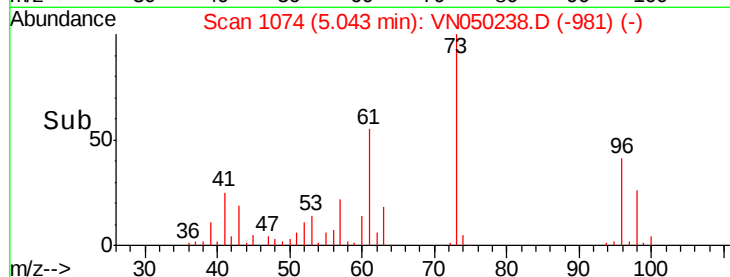
98 62.8 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.49 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Tgt Ion: 45 Resp: 438007

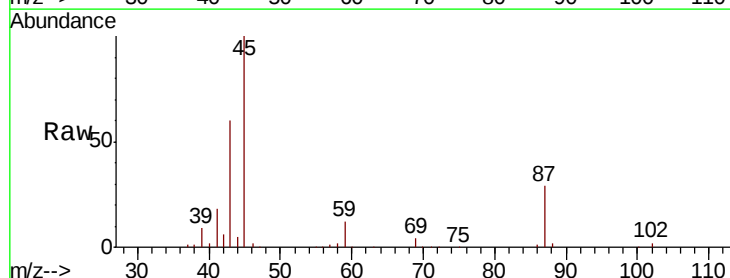
Ion Ratio Lower Upper

45 100

43 58.8 45.7 68.5

87 28.6 22.7 34.1

59 12.2 9.5 14.3

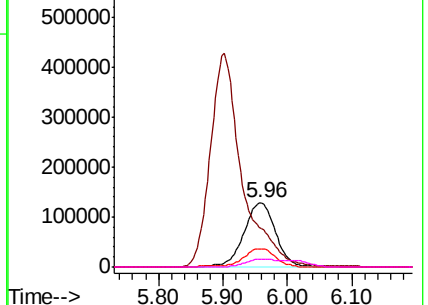
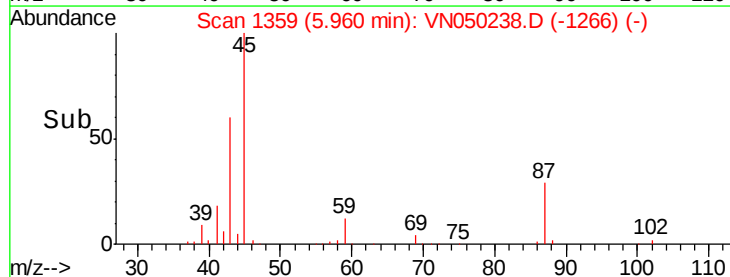


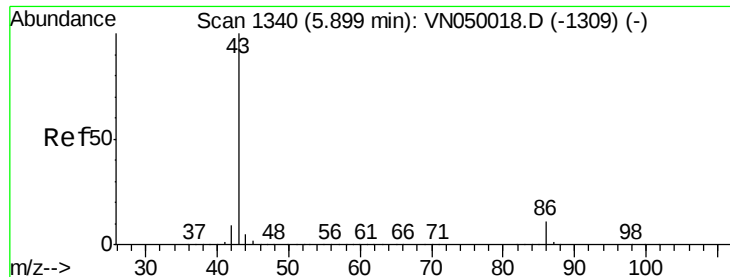
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

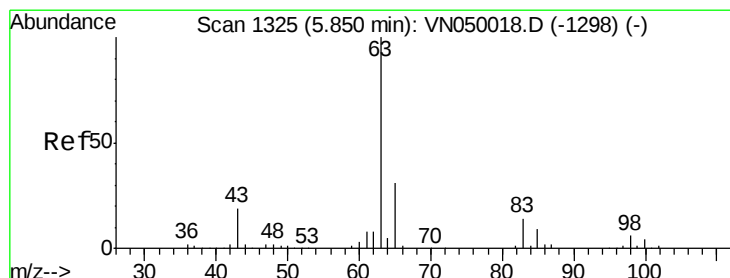
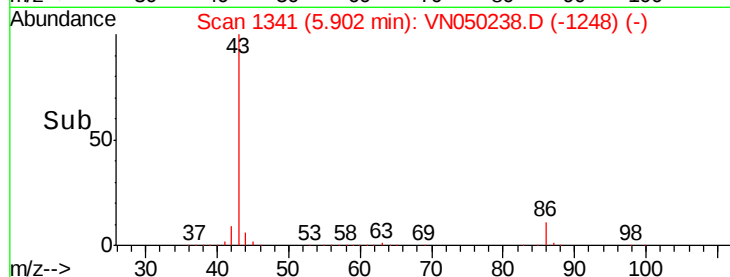
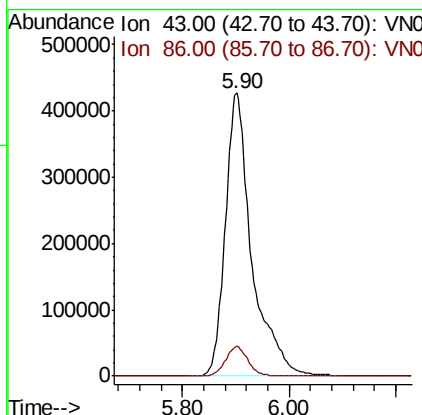
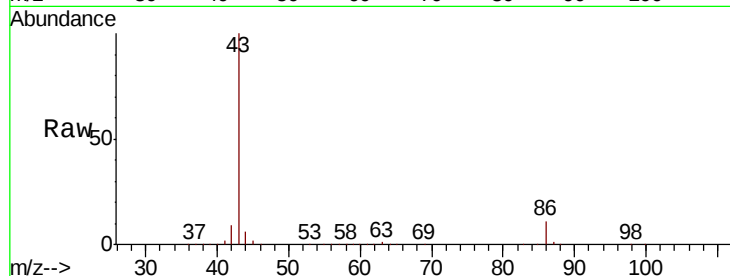




#23
 Vinyl Acetate
 Concen: 106.84 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

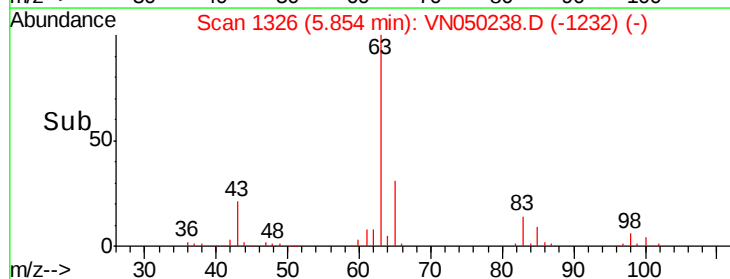
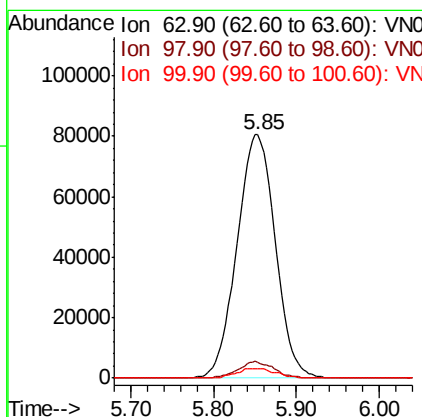
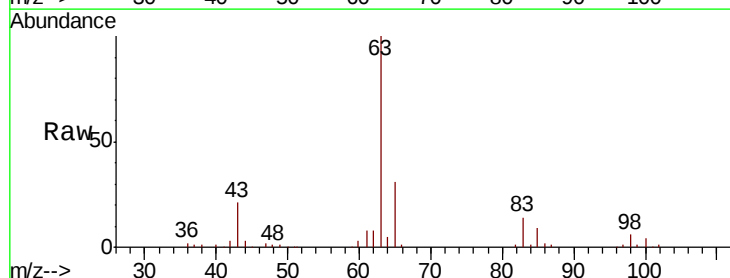
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

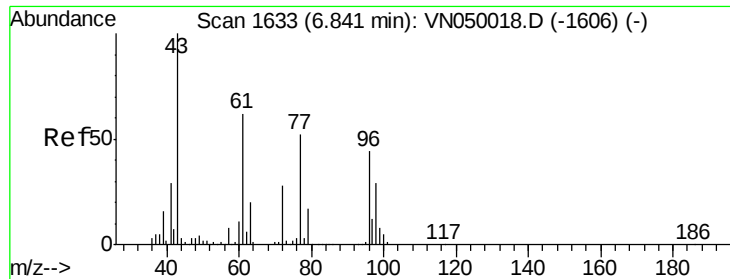
Tot Ion: 43 Resp: 1470783
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.33 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Tgt Ion: 63 Resp: 258977
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 3.7 2.1 6.3





#25

2-Butanone

Concen: 114.13 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampled :

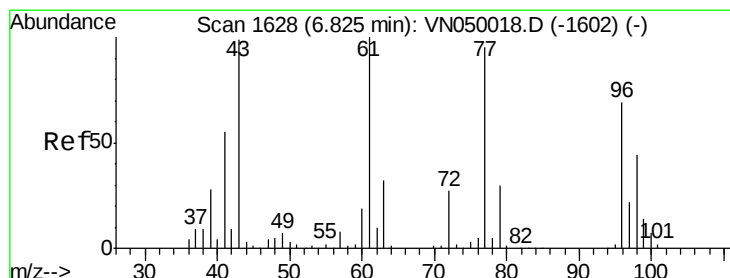
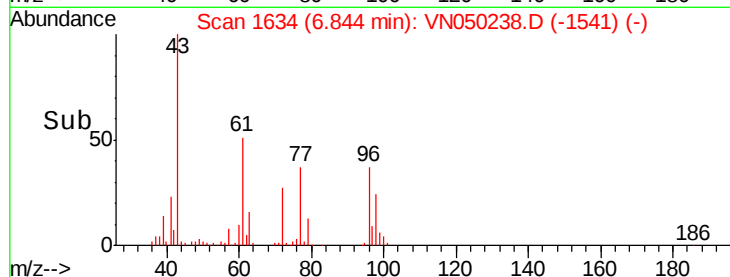
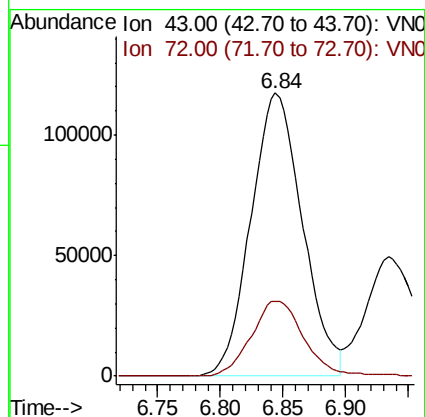
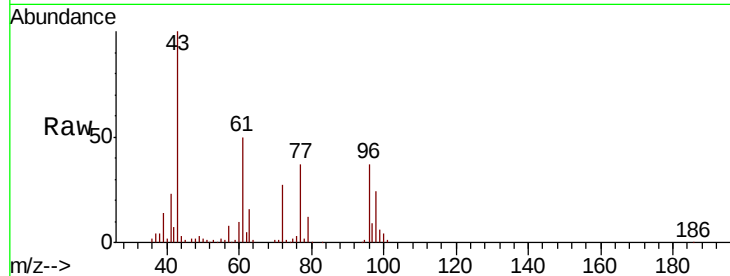
VN0801WBSD01

Tot Ion: 43 Resp: 333870

Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3



#26

2,2-Dichloropropane

Concen: 20.03 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050238.D

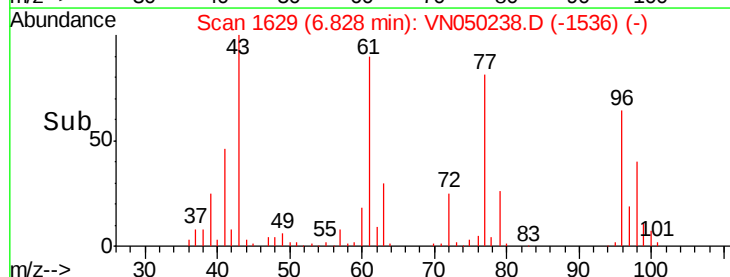
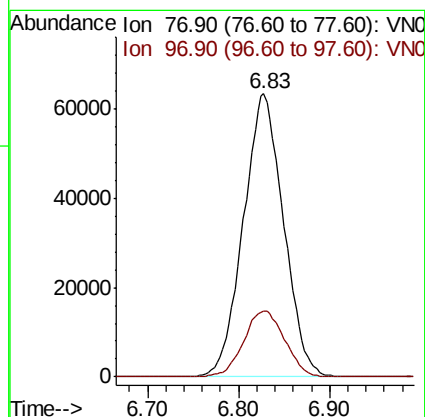
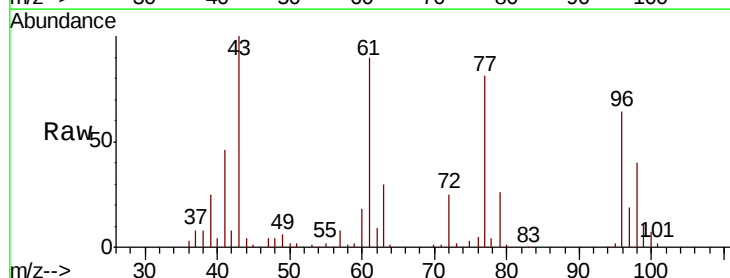
Acq: 1 Aug 2018 10:35

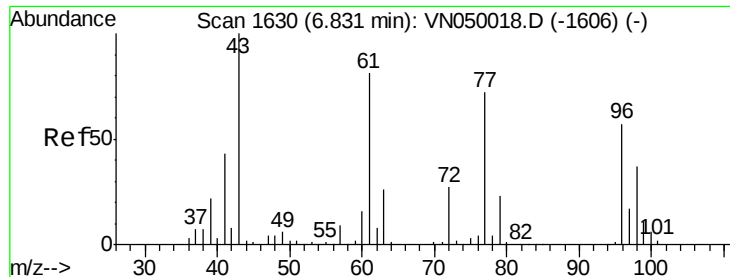
Tgt Ion: 77 Resp: 194105

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.98 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

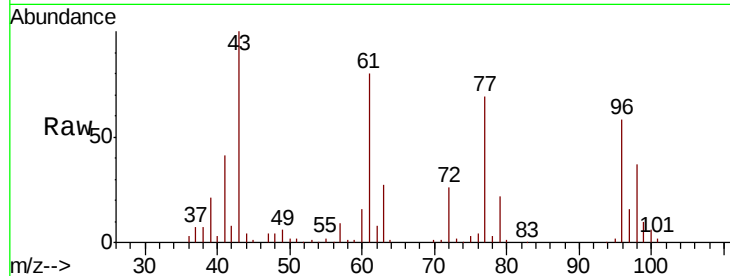
Tot Ion: 96 Resp: 151596

Ion Ratio Lower Upper

96 100

61 142.2 0.0 285.0

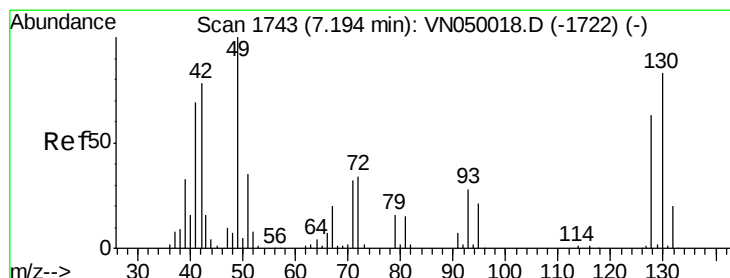
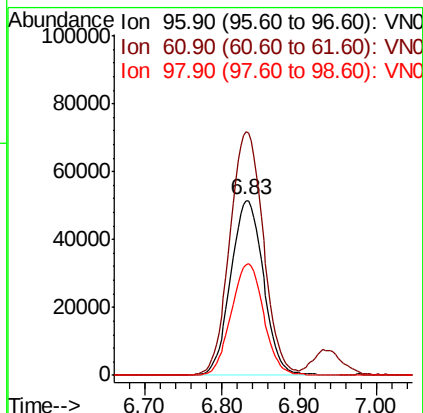
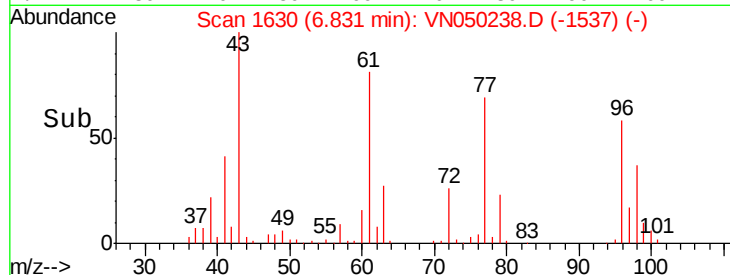
98 63.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.55 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

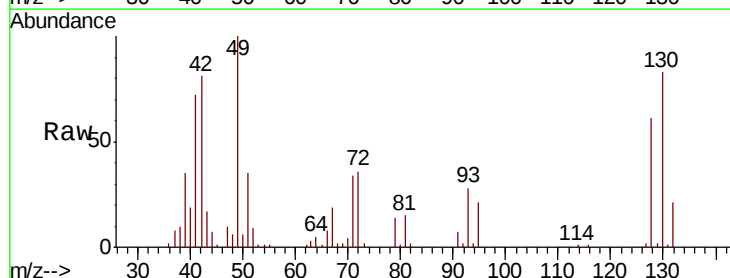
Tgt Ion: 49 Resp: 131029

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

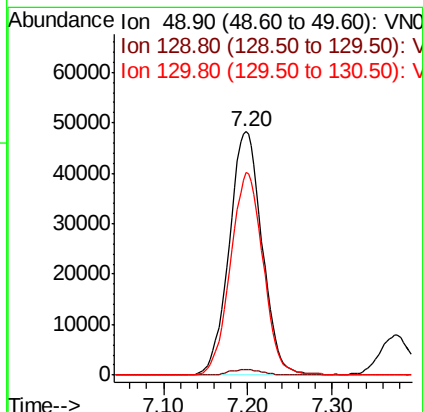
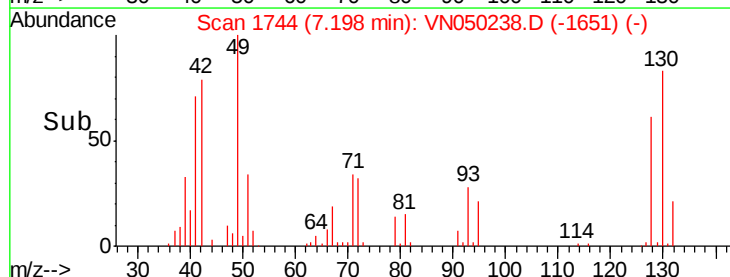
130 82.6 66.3 99.5

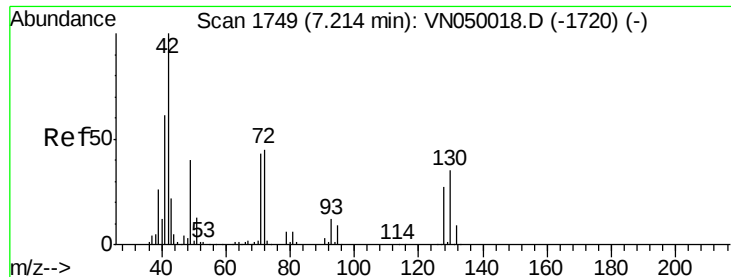


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

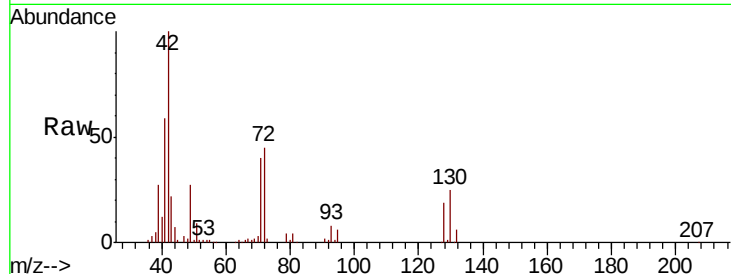




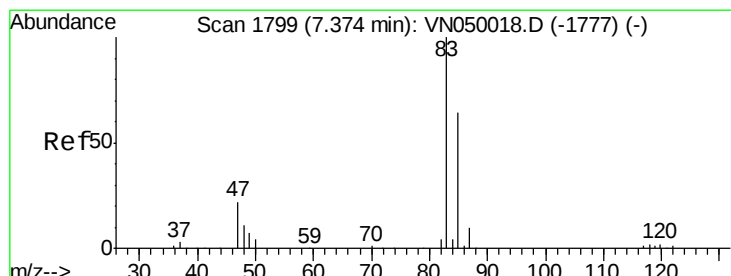
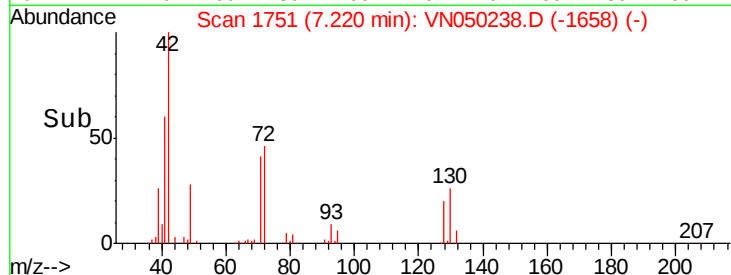
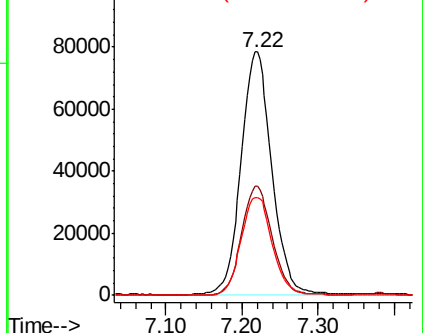
#29
Tetrahydrofuran
Concen: 115.83 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion: 42 Resp: 218956
Ion Ratio Lower Upper
42 100
72 45.0 35.9 53.9
71 41.2 33.7 50.5

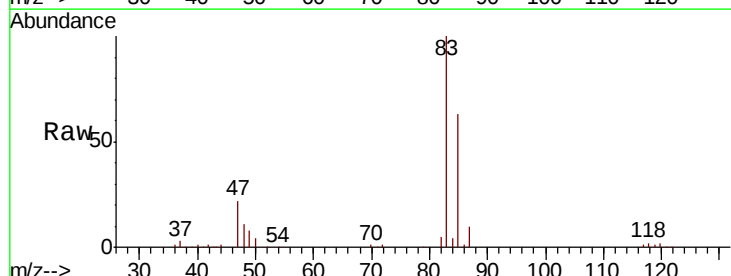


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

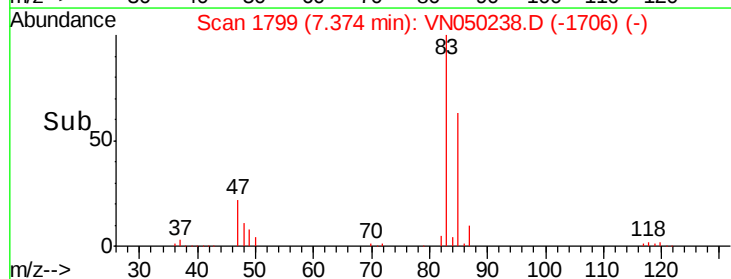
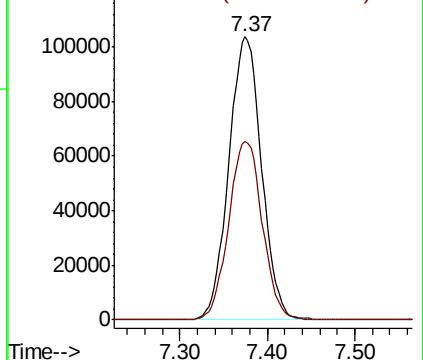


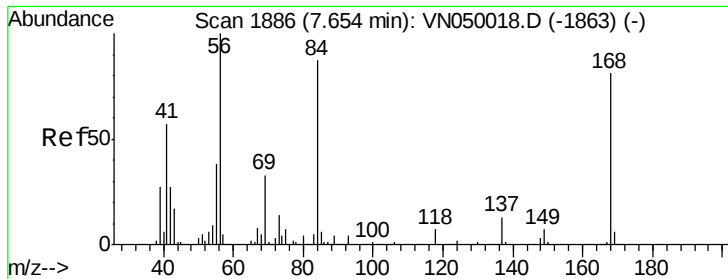
#30
Chloroform
Concen: 20.74 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 83 Resp: 269526
Ion Ratio Lower Upper
83 100
85 63.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

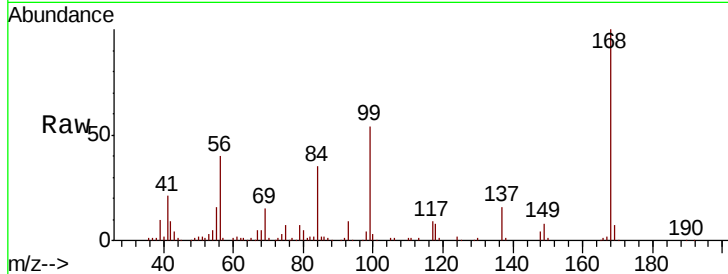




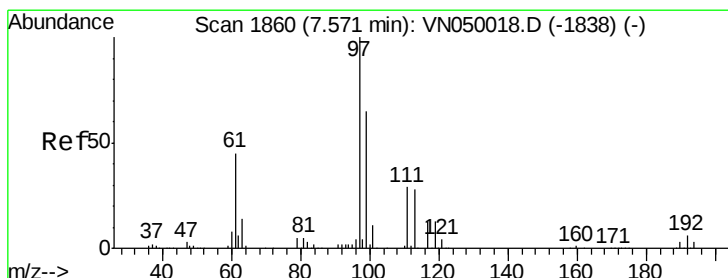
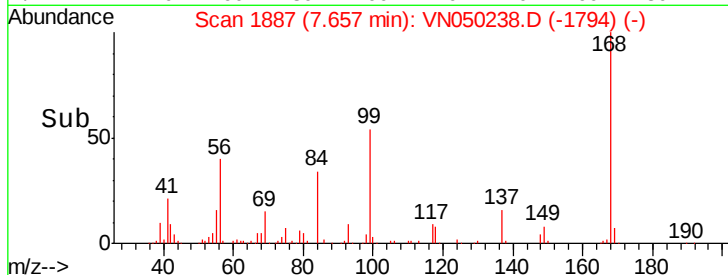
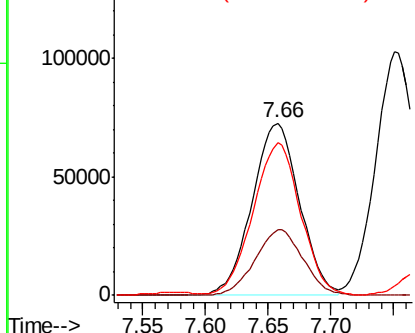
#31
Cyclohexane
Concen: 18.06 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion: 56 Resp: 191238
Ion Ratio Lower Upper
56 100
69 38.0 26.2 39.4
84 87.1 67.4 101.0

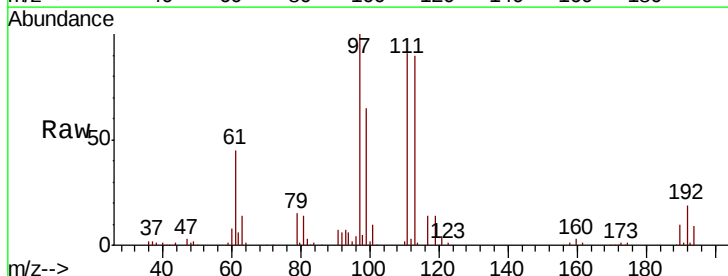


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

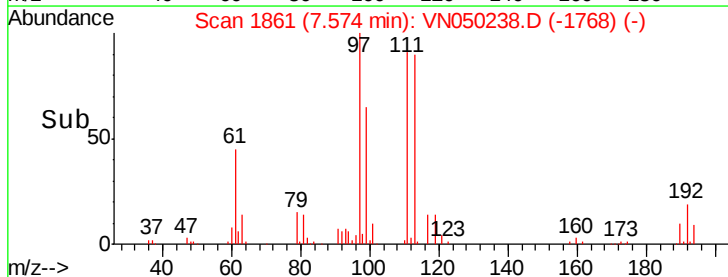
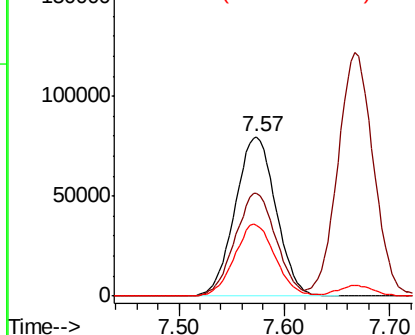


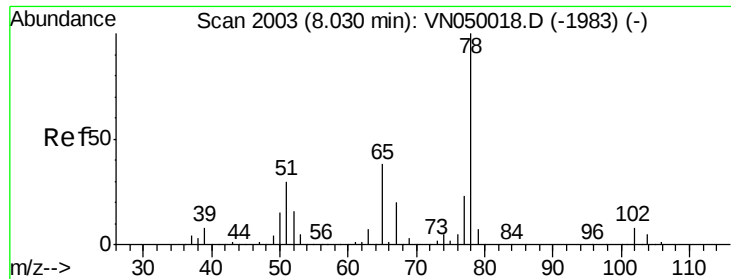
#32
1,1,1-Trichloroethane
Concen: 19.31 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 97 Resp: 214702
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 44.8 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

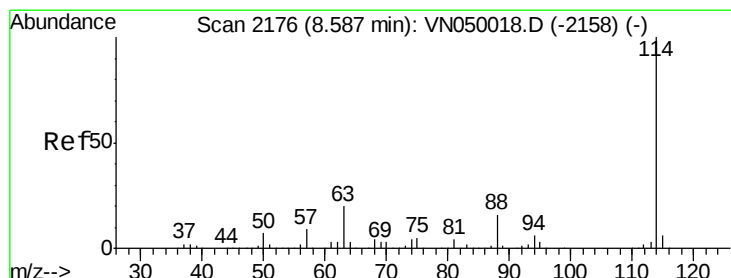
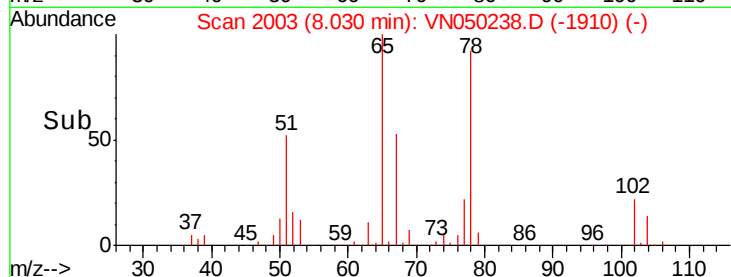
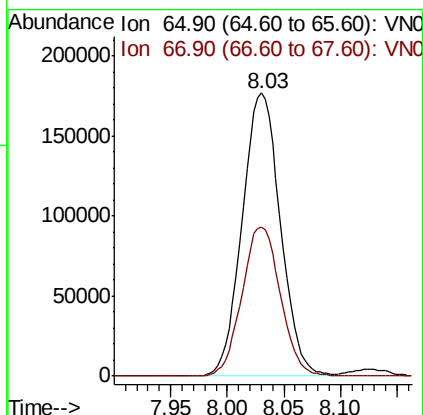
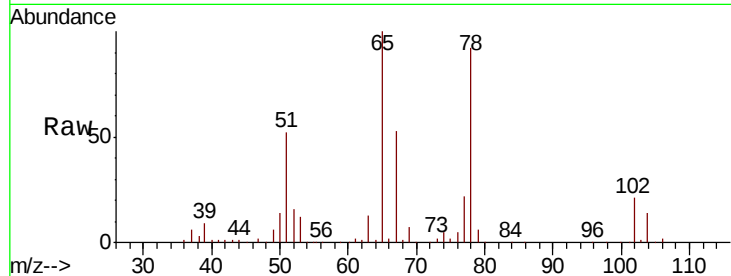




#33
 1,2-Dichloroethane-d4
 Concen: 54.27 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

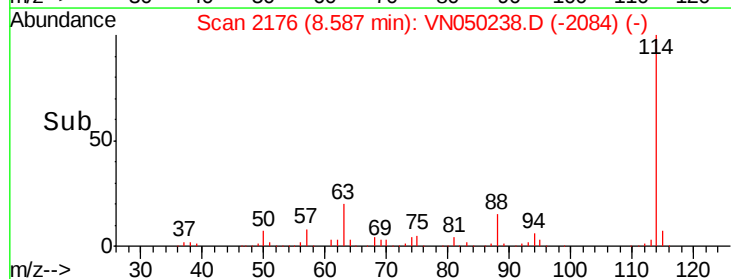
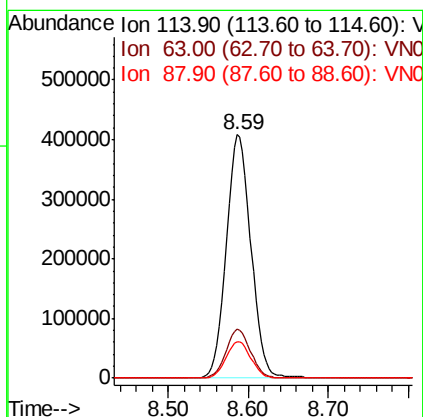
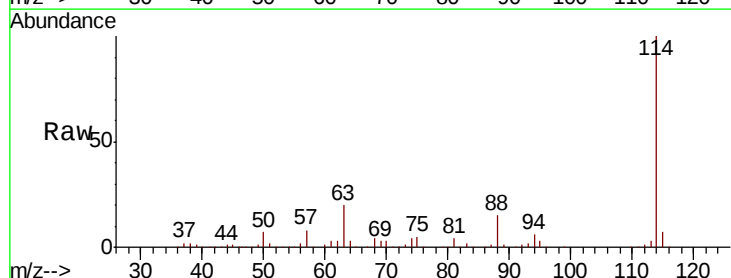
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

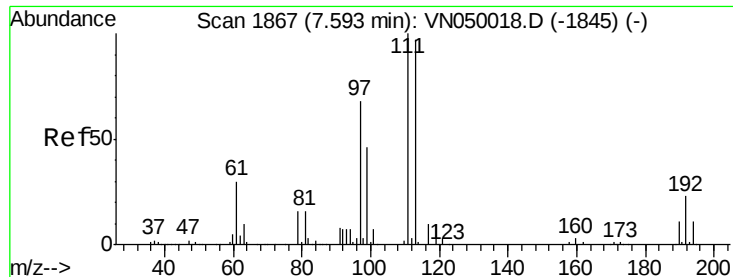
Tot Ion: 65 Resp: 416225
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Tgt Ion: 114 Resp: 858579
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.40 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

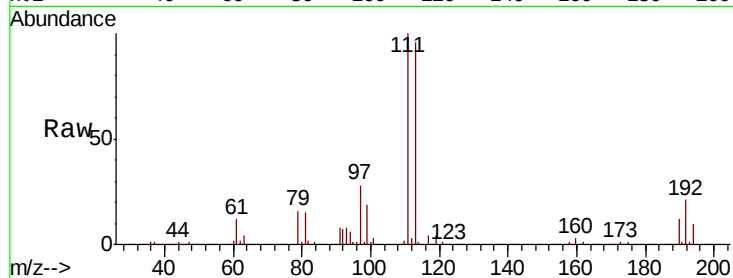
Tot Ion:113 Resp: 360311

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

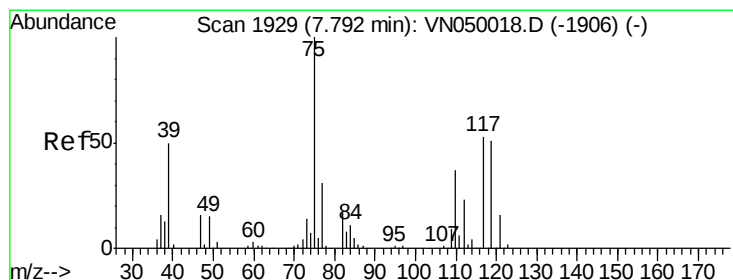
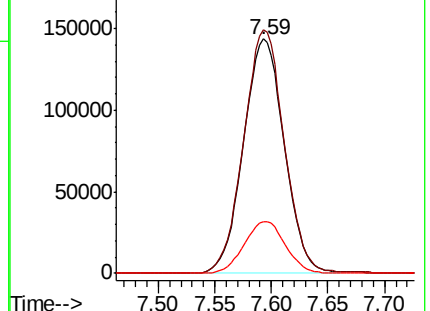
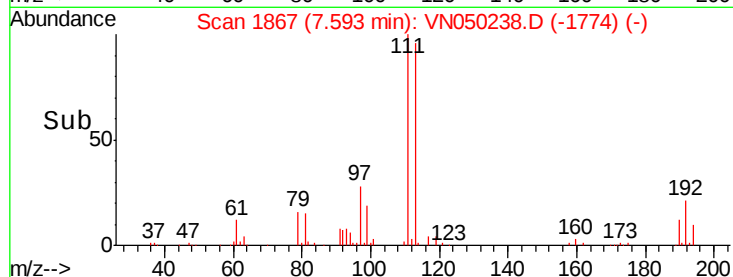
192 22.4 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.99 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

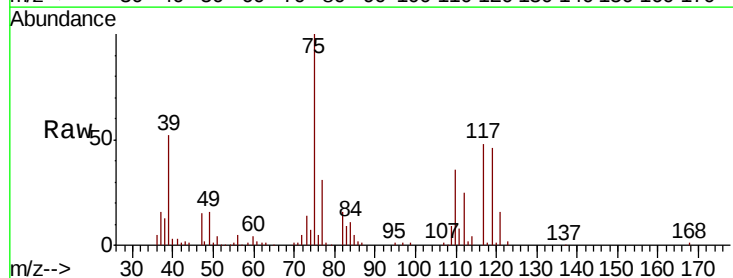
Tgt Ion: 75 Resp: 173986

Ion Ratio Lower Upper

75 100

110 37.2 18.4 55.2

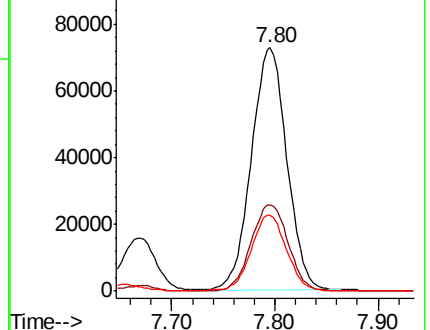
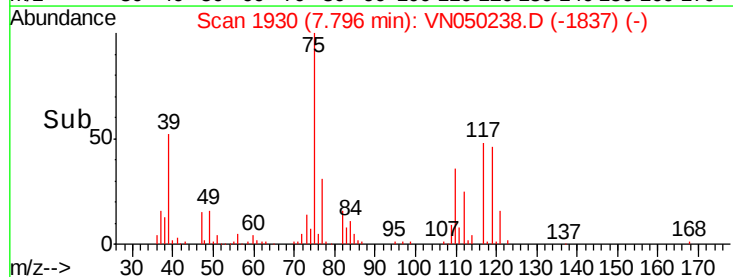
77 31.4 25.3 37.9

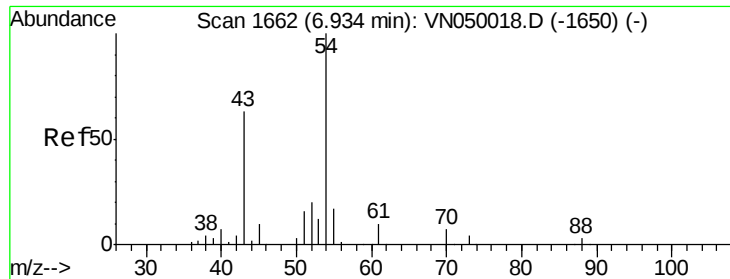


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

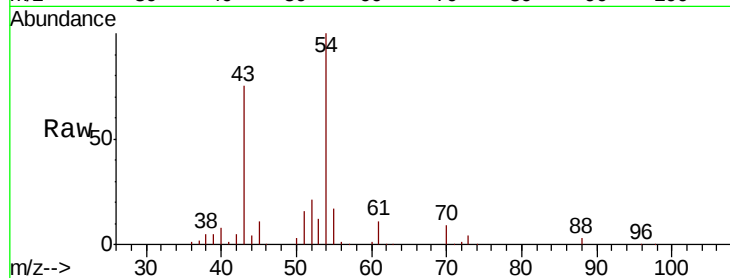




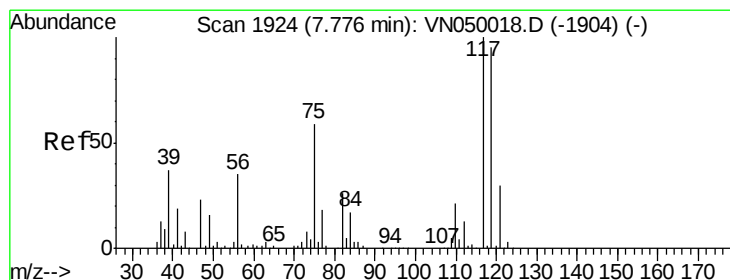
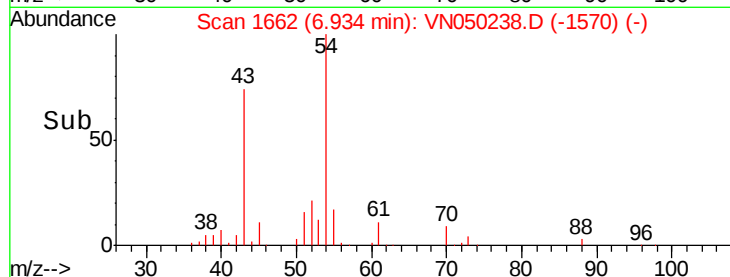
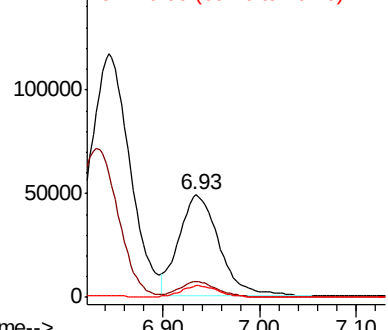
#37
Ethyl Acetate
Concen: 20.94 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Instrument :
MSVOA_N
ClientSampleID :
VN0801WBSD01

Tot Ion: 43 Resp: 141215
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.8
70 10.9 8.4 12.6

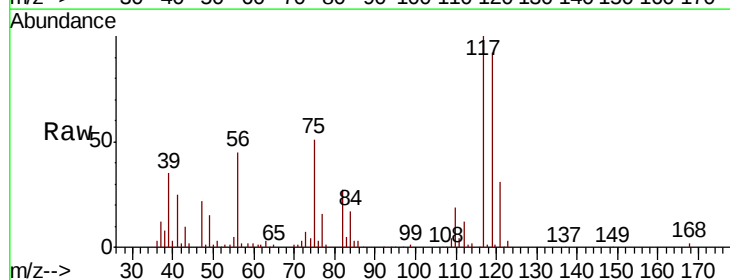


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

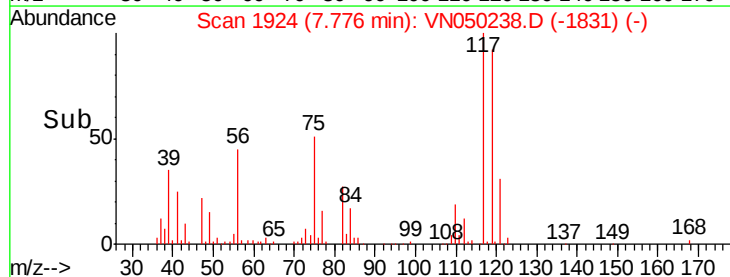
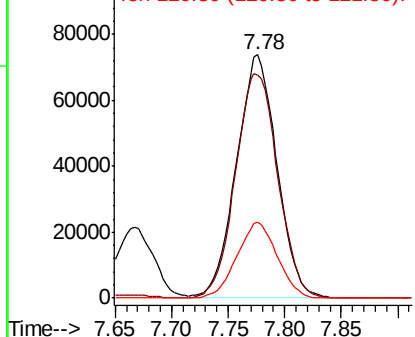


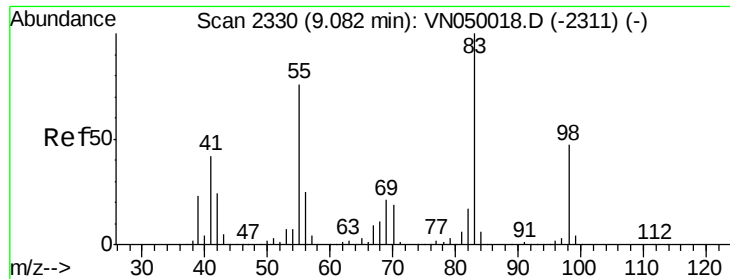
#38
Carbon Tetrachloride
Concen: 17.86 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 117 Resp: 183312
Ion Ratio Lower Upper
117 100
119 91.8 77.4 116.0
121 31.5 23.9 35.9



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

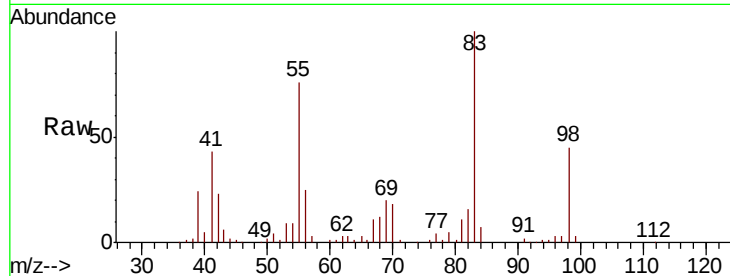




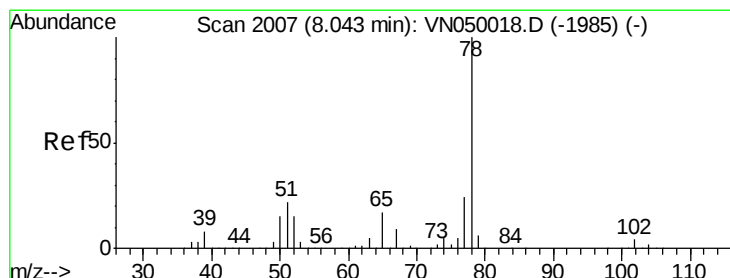
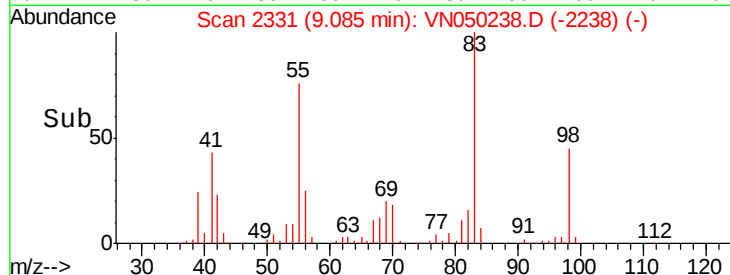
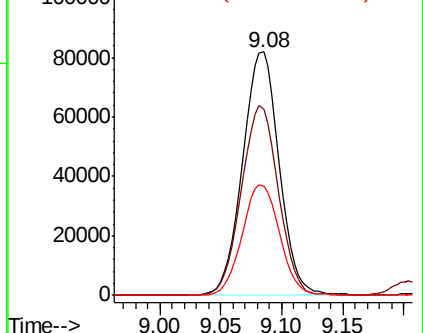
#39
Methvlcvclohexane
Concen: 17.03 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

Tot Ion: 83 Resp: 169442
Ion Ratio Lower Upper
83 100
55 76.5 61.8 92.8
98 44.7 36.5 54.7

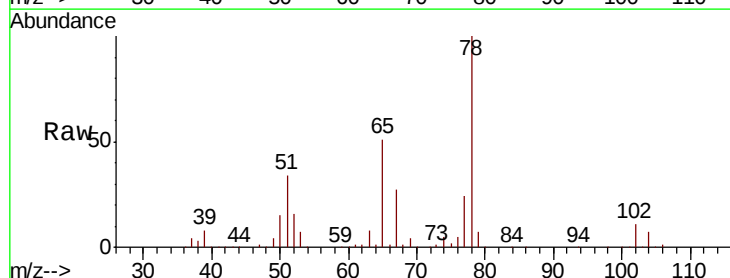


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

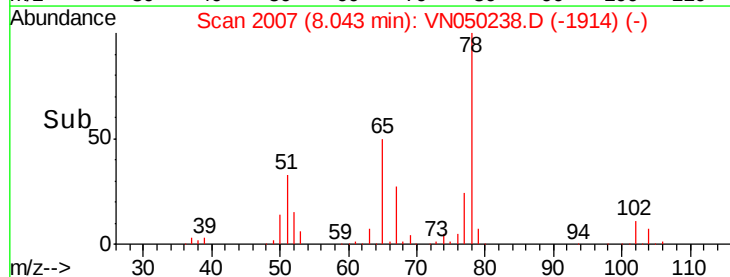
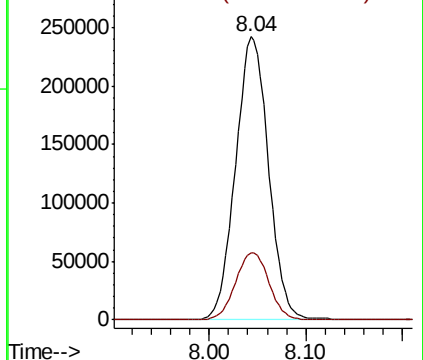


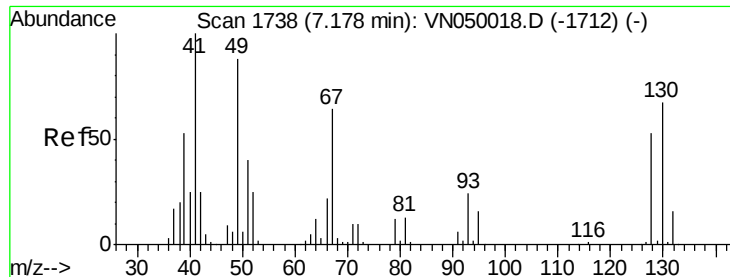
#40
Benzene
Concen: 19.48 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 78 Resp: 573295
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



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

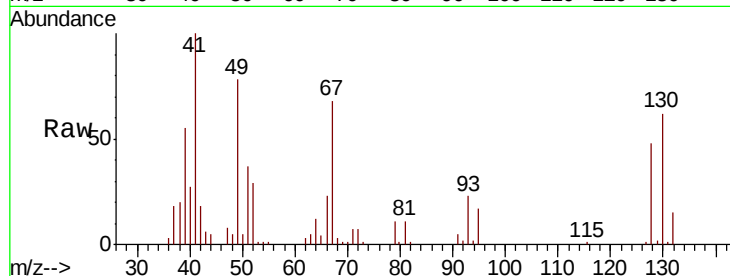




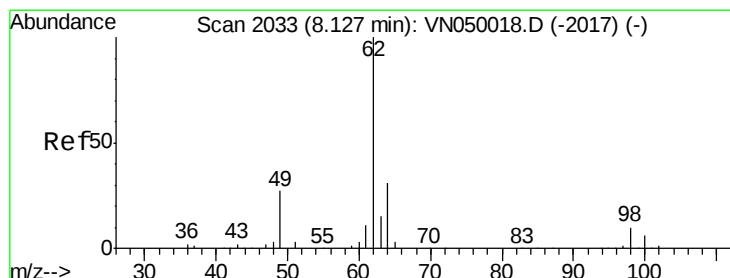
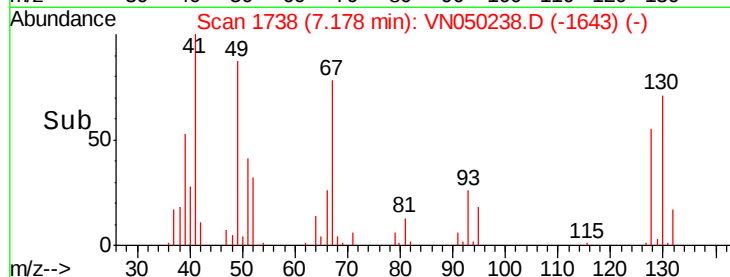
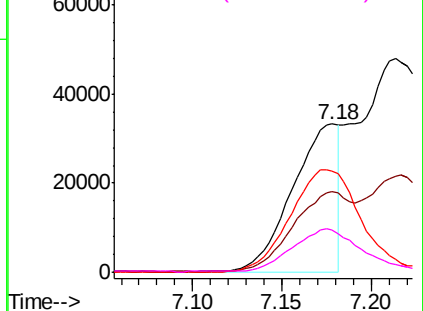
#41
Methacrylonitrile
Concen: 18.83 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0801WBSD01

Tot Ion: 41 Resp: 59763
Ion Ratio Lower Upper
41 100
39 69.7 55.8 83.6
67 106.1 84.3 126.5
52 42.6 34.2 51.2

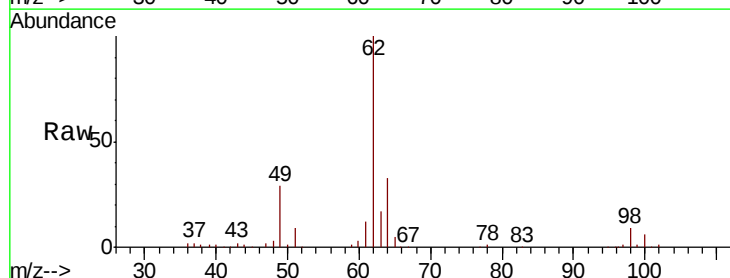


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

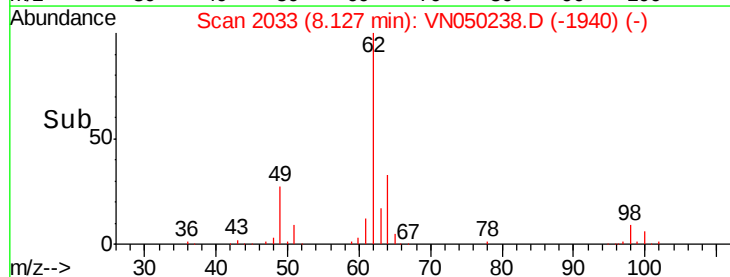
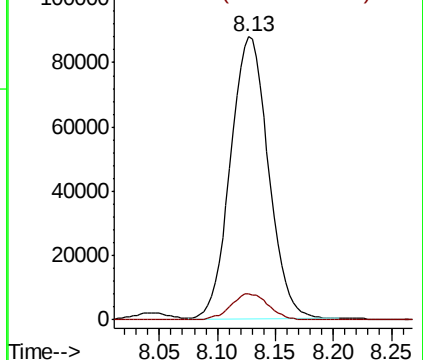


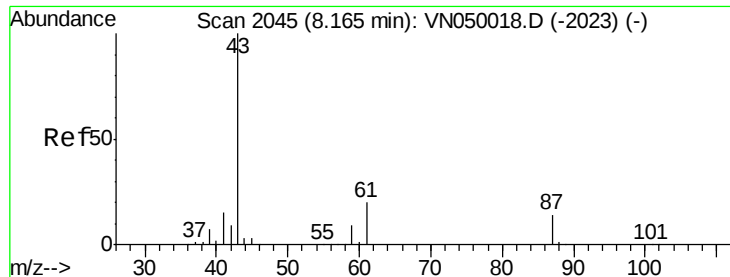
#42
1,2-Dichloroethane
Concen: 20.36 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 62 Resp: 199972
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 21.69 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

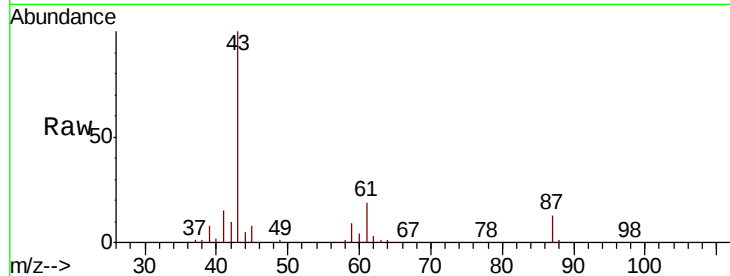
Tot Ion: 43 Resp: 283847

Ion Ratio Lower Upper

43 100

61 17.7 15.8 23.6

87 11.5 10.3 15.5



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

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

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

8.17

150000

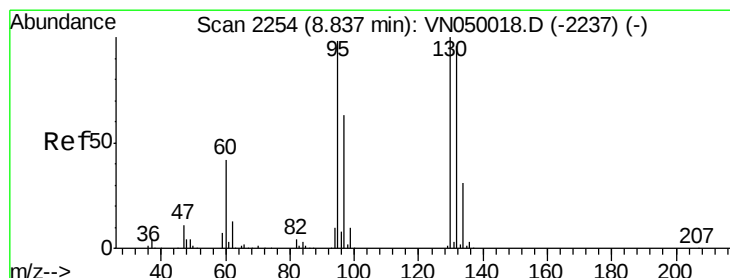
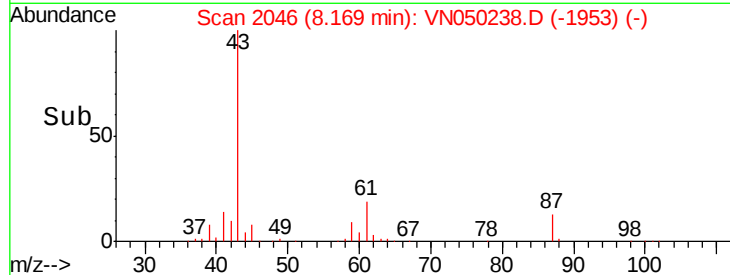
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 18.45 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050238.D

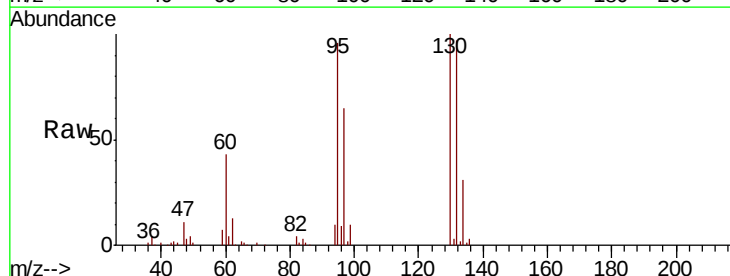
Acq: 1 Aug 2018 10:35

Tgt Ion:130 Resp: 145921

Ion Ratio Lower Upper

130 100

95 96.1 0.0 194.6



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

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

8.84

80000

60000

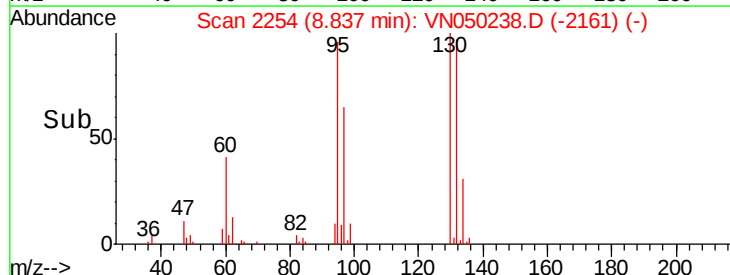
40000

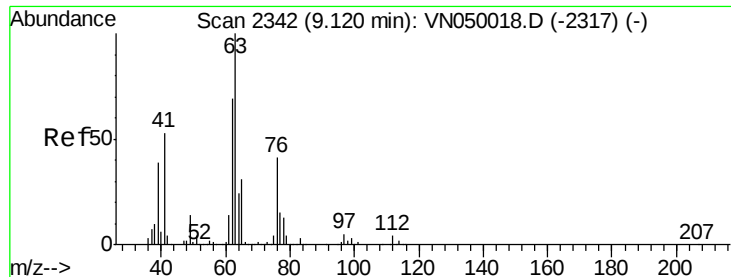
20000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 20.40 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampled :

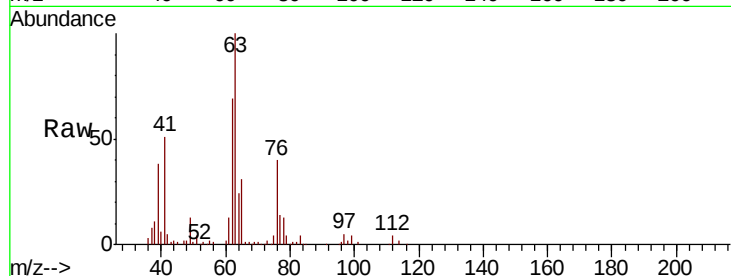
VN0801WBSD01

Tot Ion: 63 Resp: 159047

Ion Ratio Lower Upper

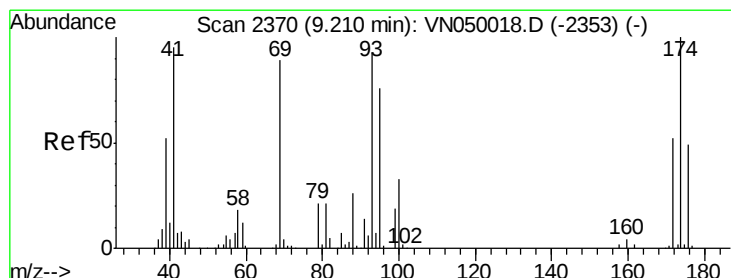
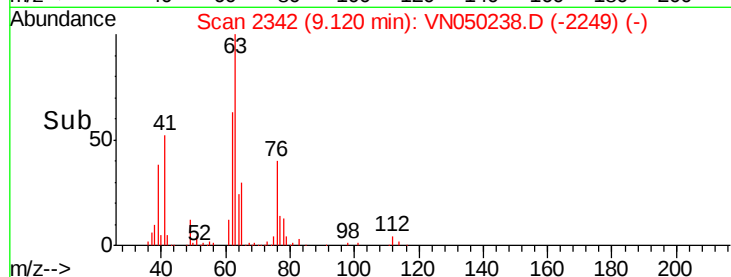
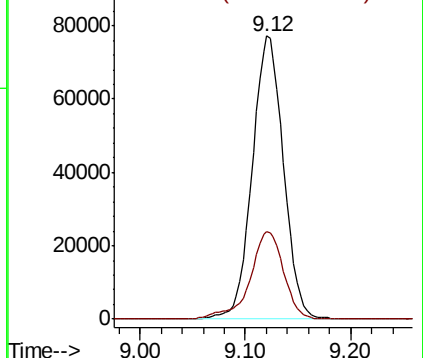
63 100

65 31.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.60 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

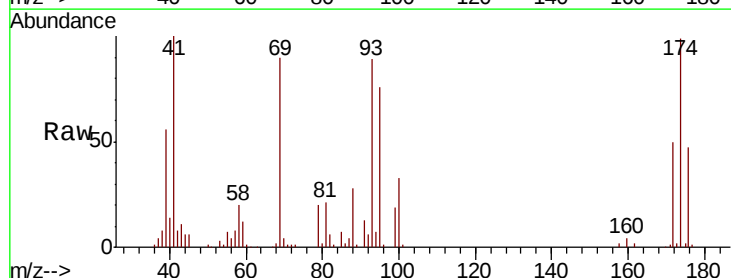
Tgt Ion: 93 Resp: 99738

Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

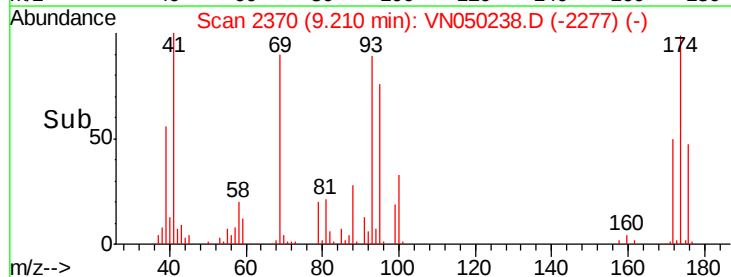
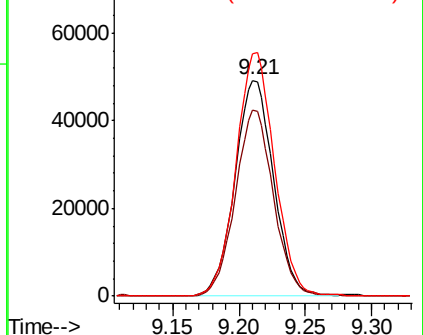
174 112.3 87.1 130.7

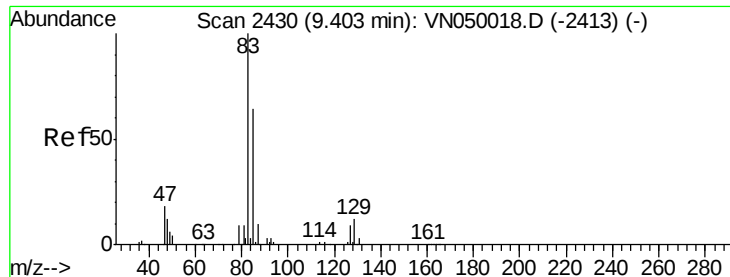


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.21 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

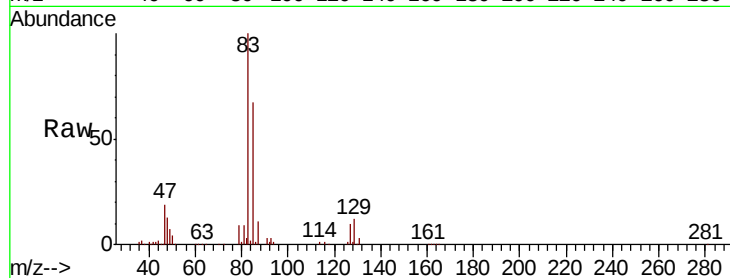
Tot Ion: 83 Resp: 206505

Ion Ratio Lower Upper

83 100

85 67.1 51.1 76.7

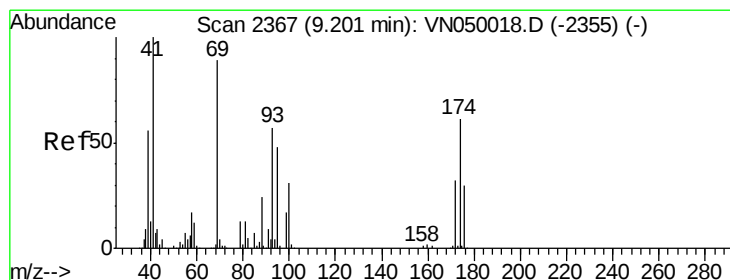
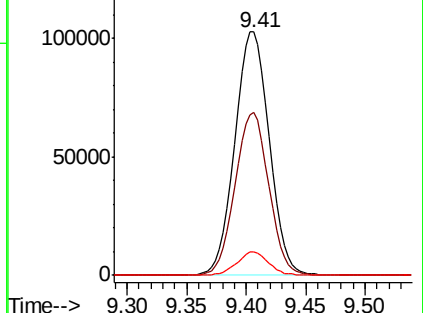
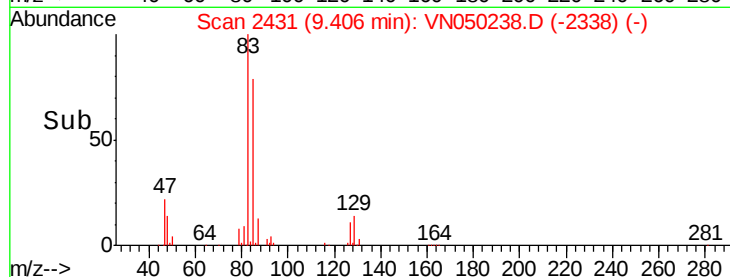
127 9.6 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 21.58 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

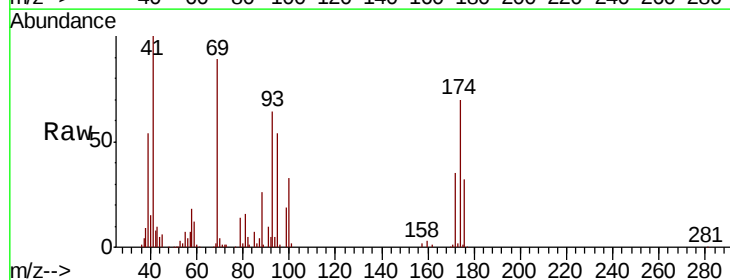
Tgt Ion: 41 Resp: 125315

Ion Ratio Lower Upper

41 100

69 89.4 70.6 105.8

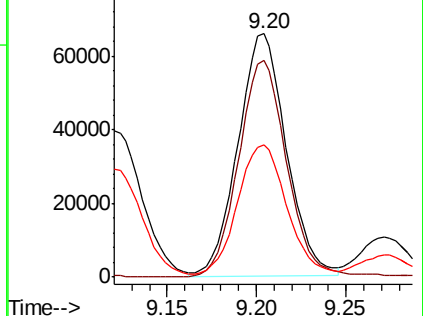
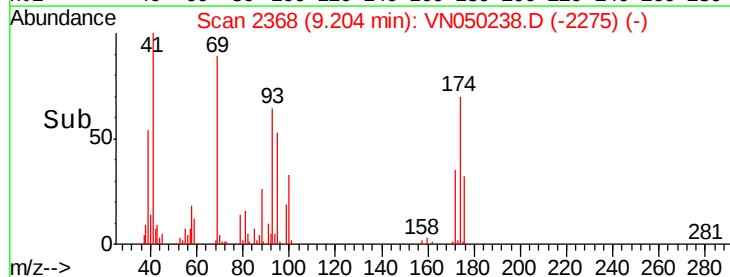
39 56.0 43.9 65.9

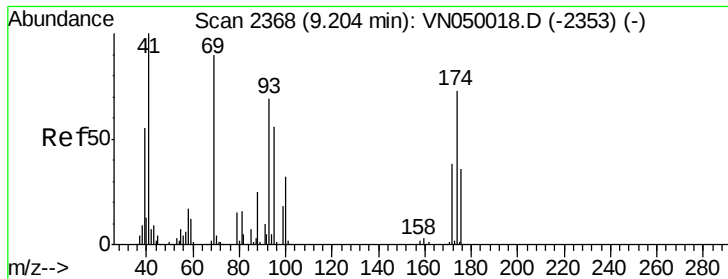


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 462.22 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampled :

VN0801WBSD01

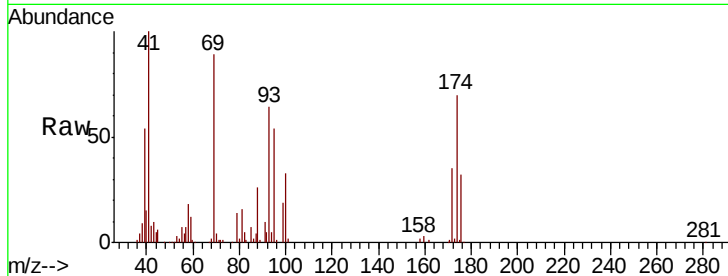
Tot Ion: 88 Resp: 36536

Ion Ratio Lower Upper

88 100

43 33.0 26.9 40.3

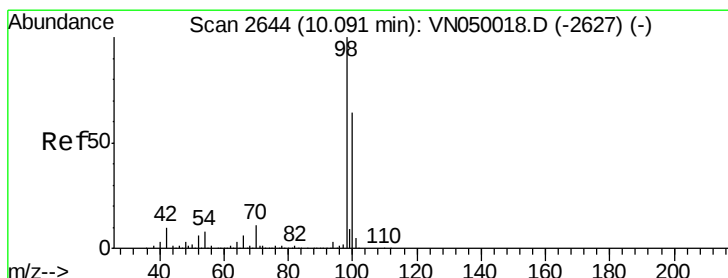
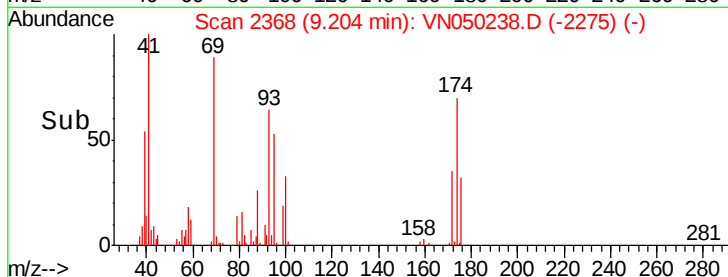
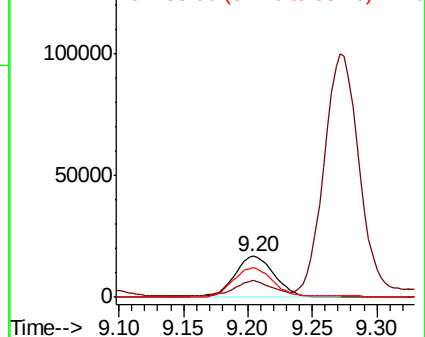
58 72.2 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.61 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050238.D

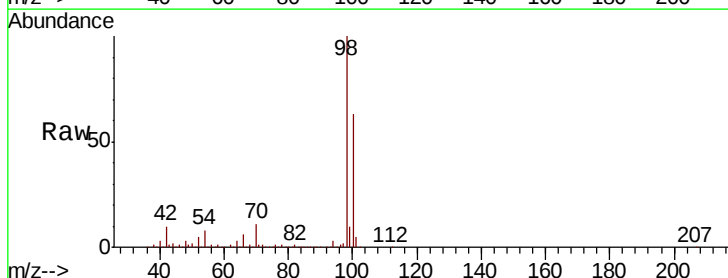
Acq: 1 Aug 2018 10:35

Tgt Ion: 98 Resp: 1278589

Ion Ratio Lower Upper

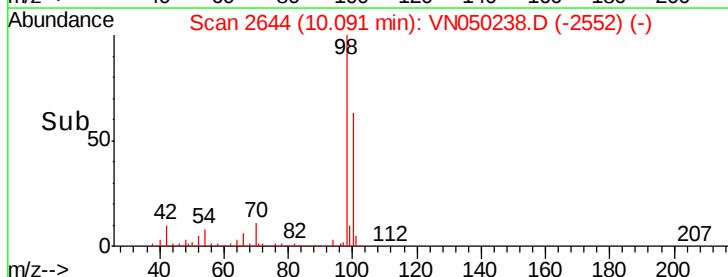
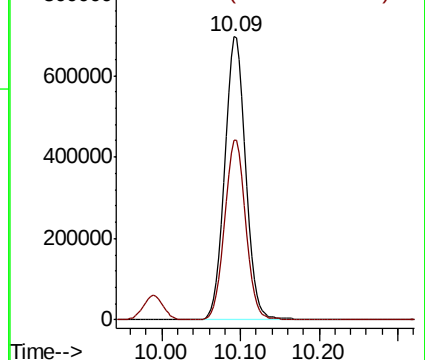
98 100

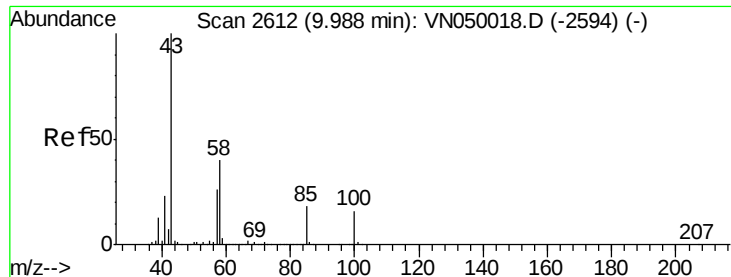
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 112.35 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

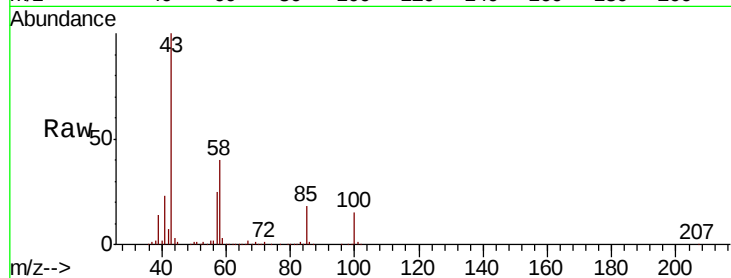
VN0801WBSD01

Tot Ion: 43 Resp: 744888

Ion Ratio Lower Upper

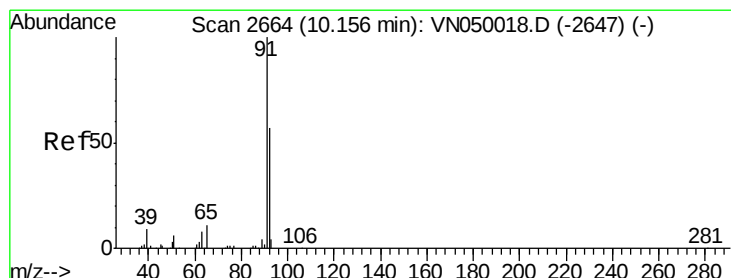
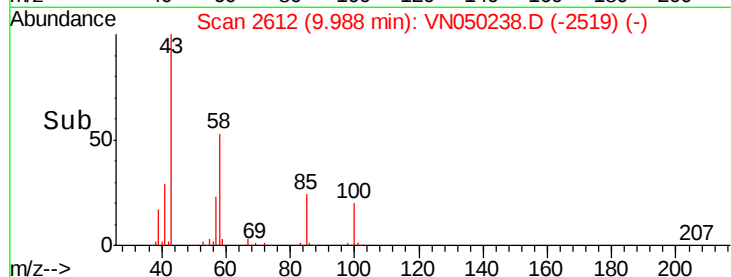
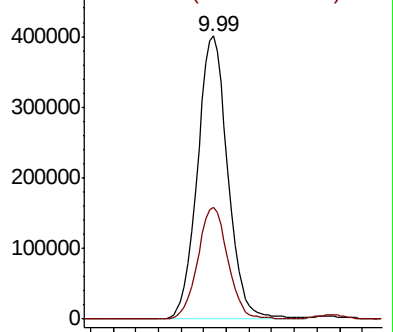
43 100

58 39.4 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.12 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050238.D

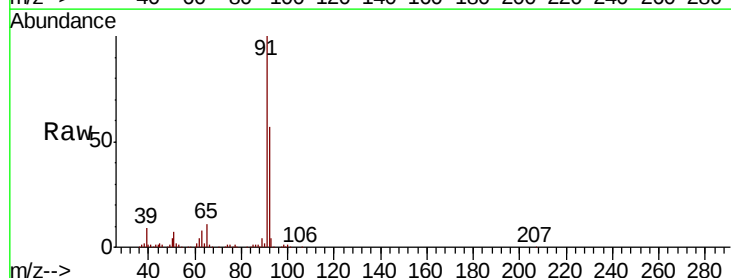
Acq: 1 Aug 2018 10:35

Tgt Ion: 92 Resp: 349532

Ion Ratio Lower Upper

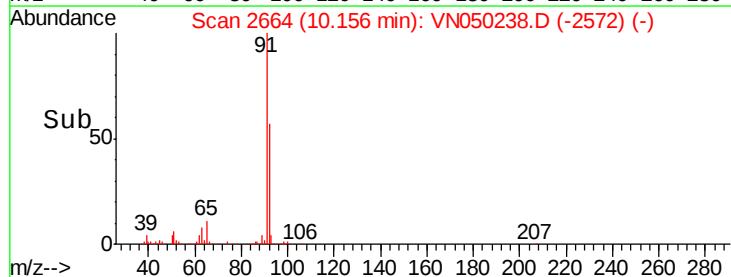
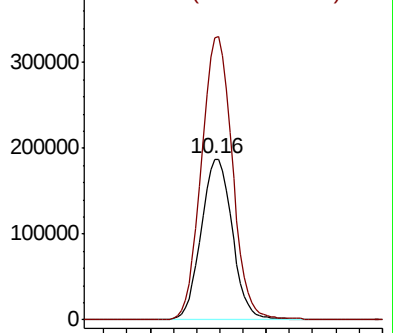
92 100

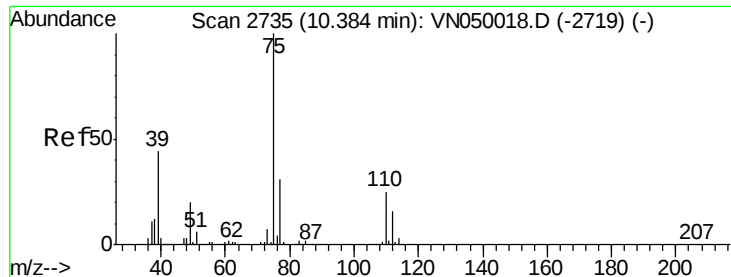
91 175.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.82 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

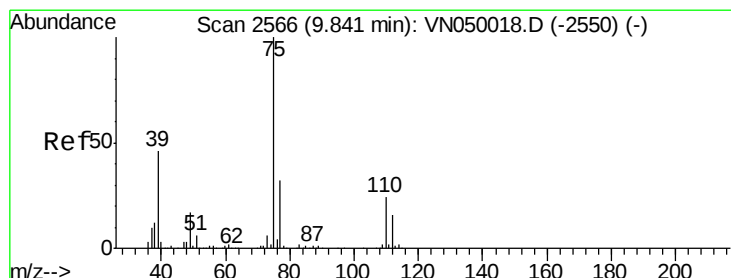
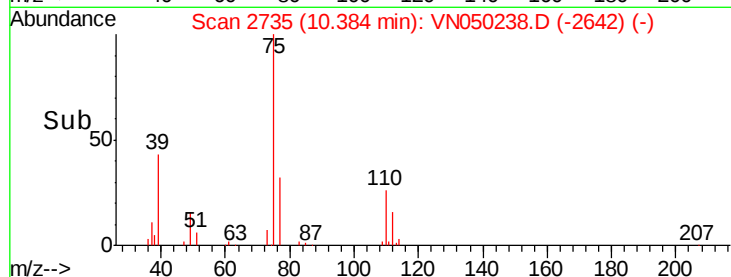
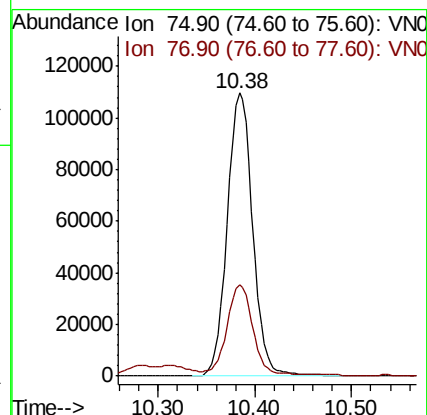
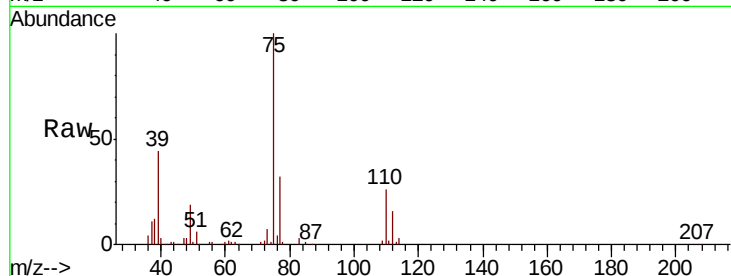
VN0801WBSD01

Tot Ion: 75 Resp: 200738

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.58 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

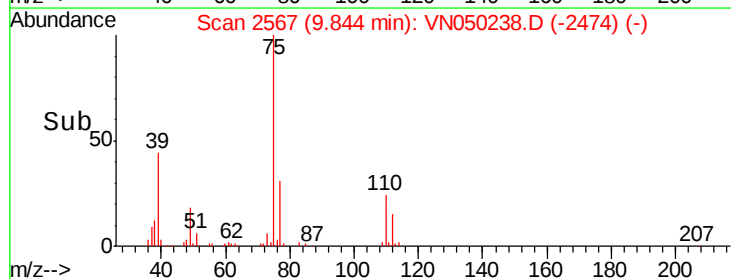
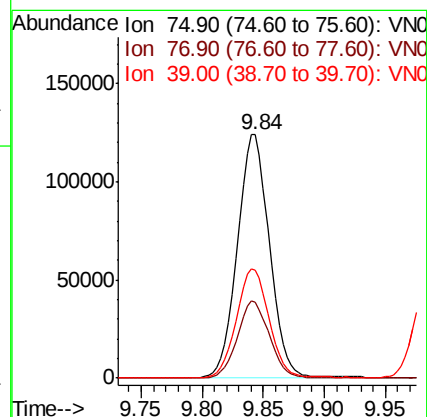
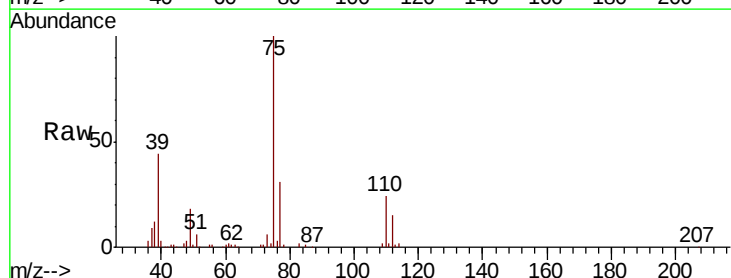
Tgt Ion: 75 Resp: 226779

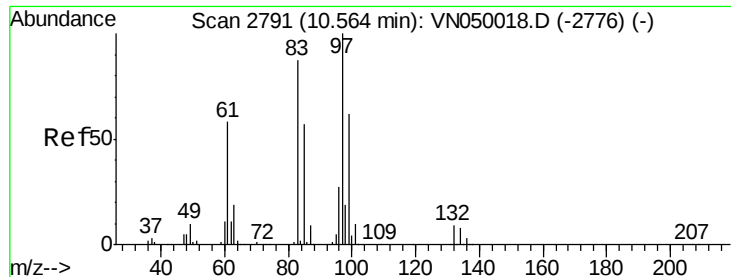
Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 44.1 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 21.18 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

Tot Ion: 97 Resp: 145960

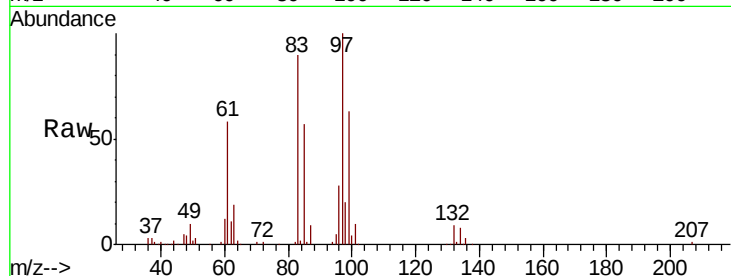
Ion Ratio Lower Upper

97 100

83 89.6 69.2 103.8

85 57.5 44.0 66.0

99 63.1 49.9 74.9

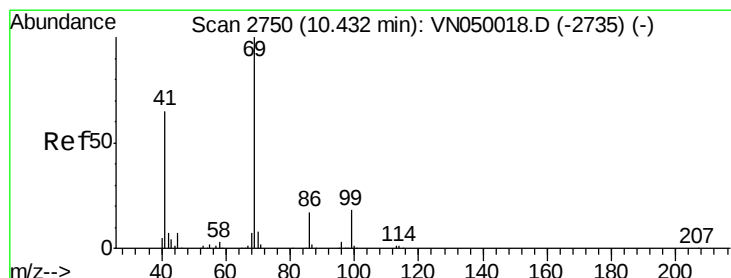
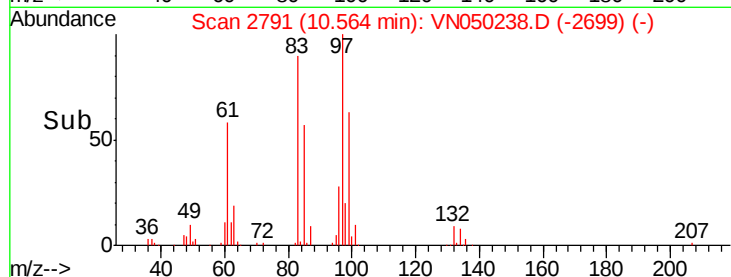
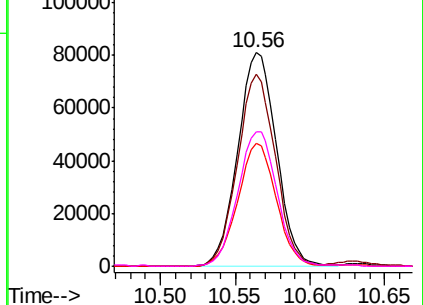


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.28 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

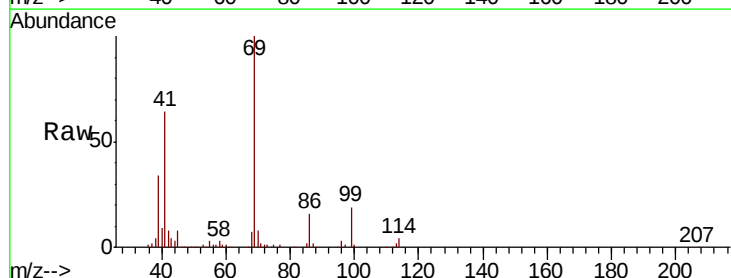
Tgt Ion: 69 Resp: 177582

Ion Ratio Lower Upper

69 100

41 62.5 51.0 76.4

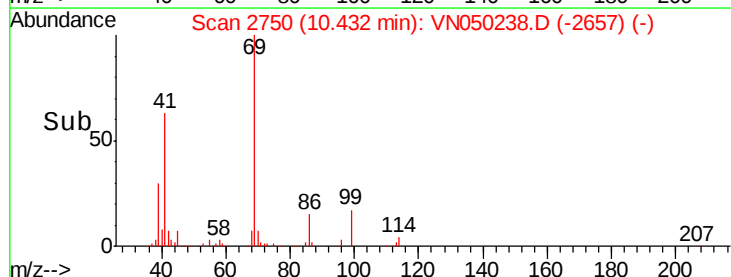
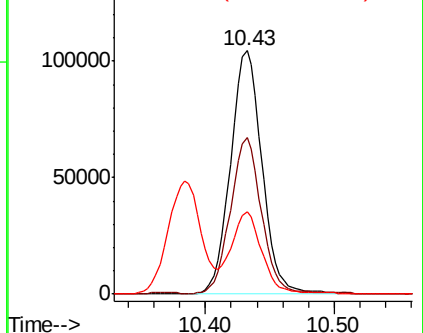
39 31.7 26.6 40.0

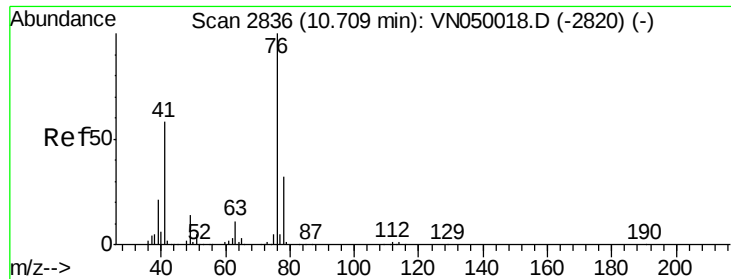


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

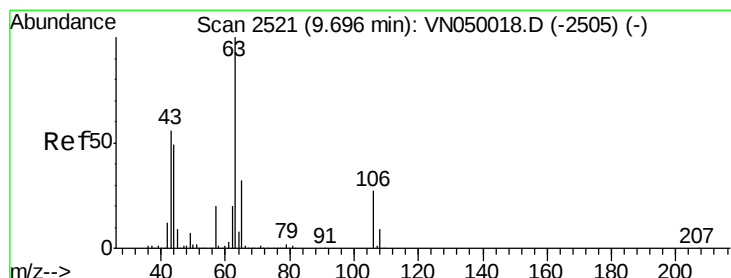
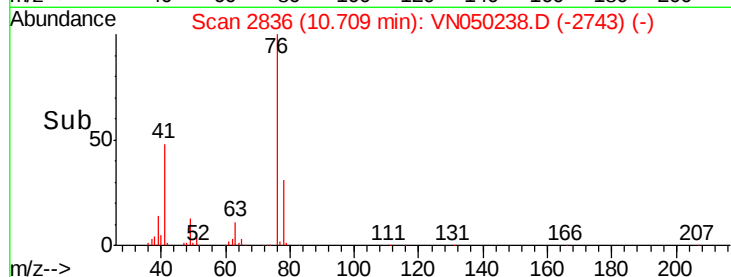
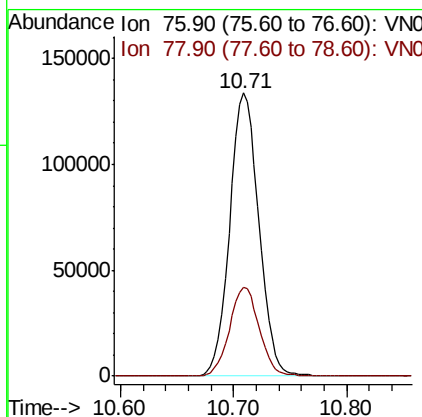
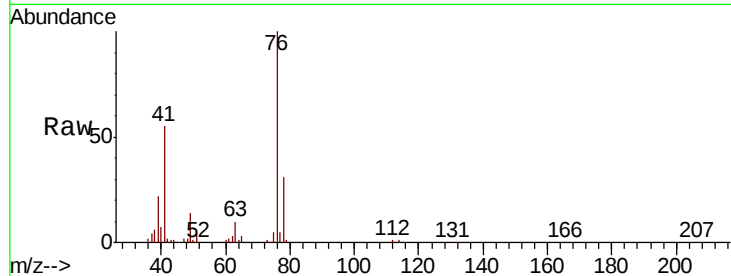




#57
 1,3-Dichloropropane
 Concen: 21.38 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

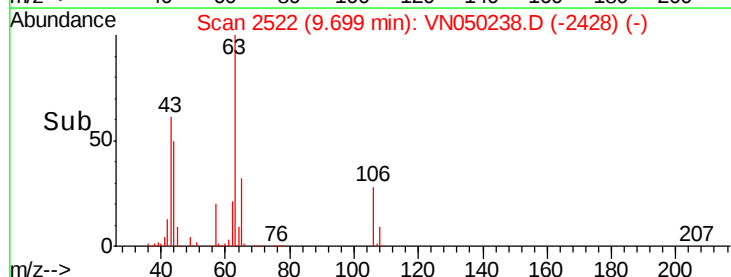
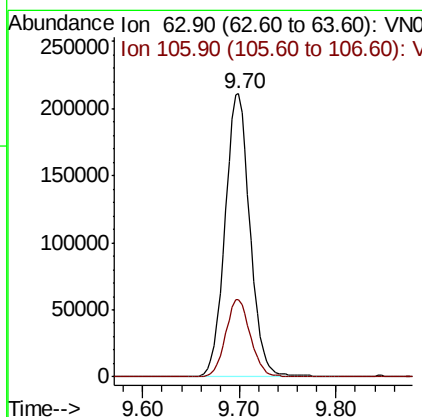
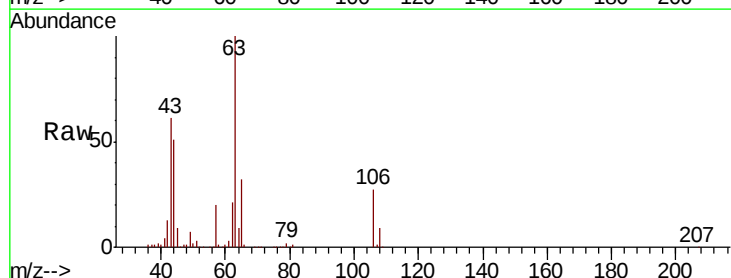
Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBSD01

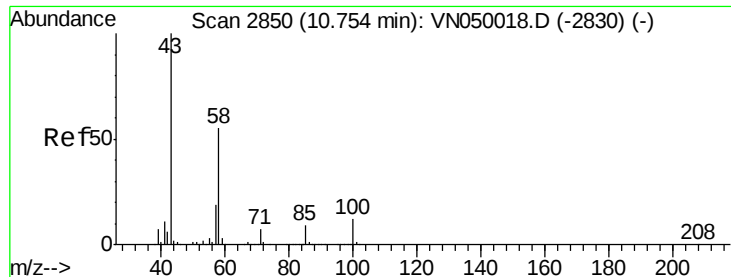
Tot Ion: 76 Resp: 239904
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.21 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Tgt Ion: 63 Resp: 377876
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5

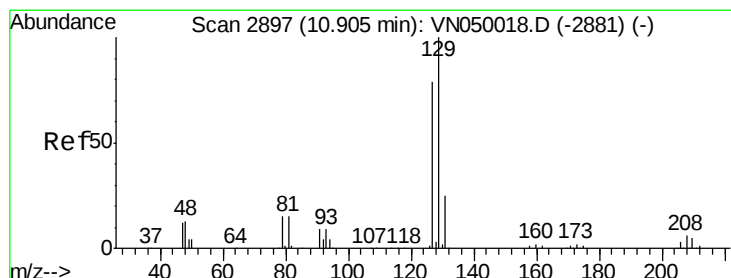
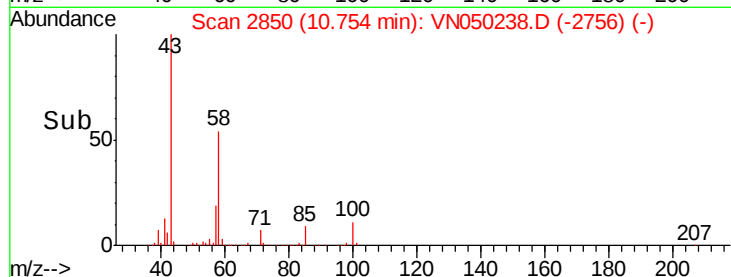
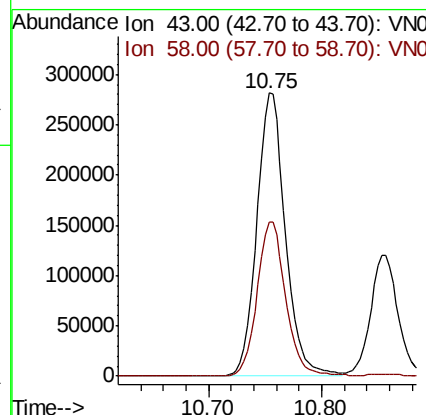
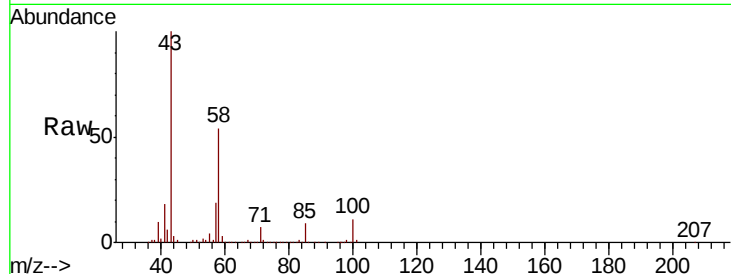




#59
2-Hexanone
Concen: 103.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

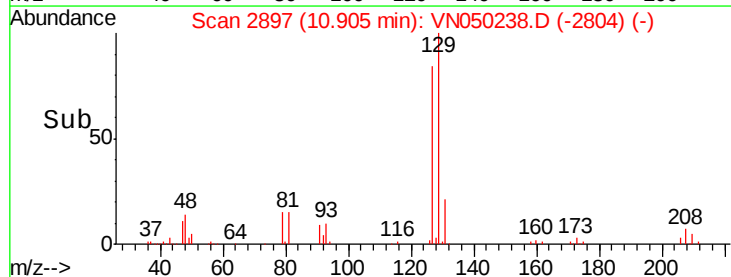
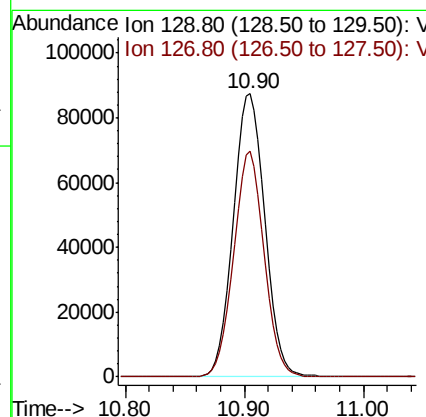
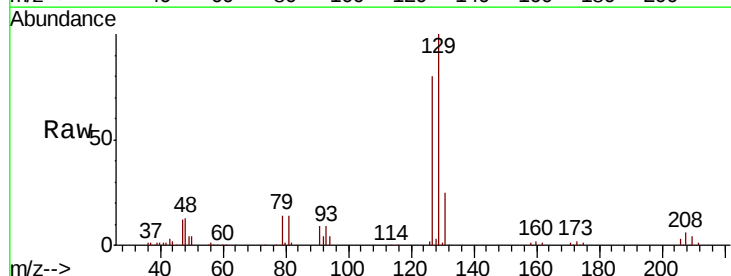
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

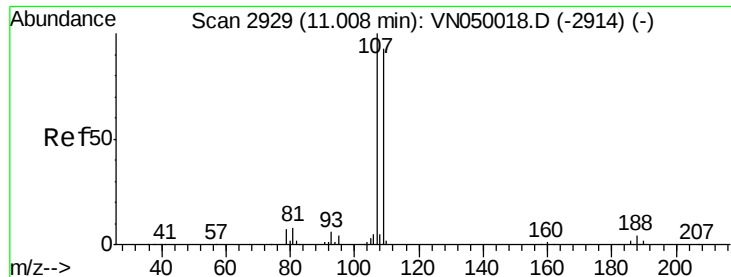
Tot Ion: 43 Resp: 490498
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7



#60
Dibromochloromethane
Concen: 21.09 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 129 Resp: 160921
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.46 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

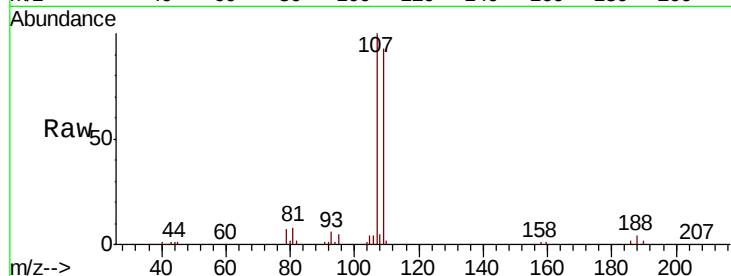
VN0801WBSD01

Tot Ion:107 Resp: 139928

Ion Ratio Lower Upper

107 100

109 94.8 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

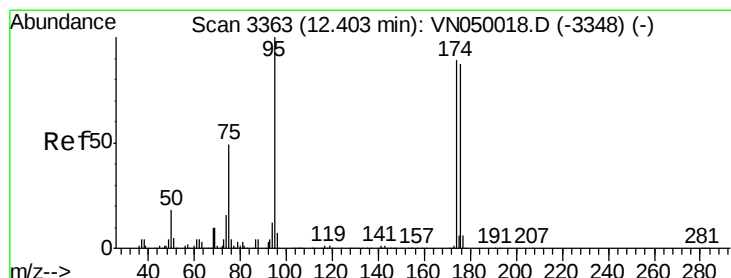
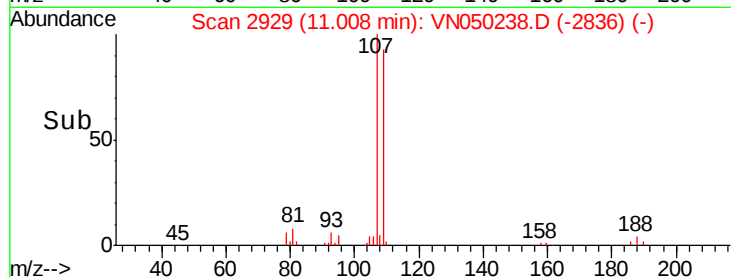
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

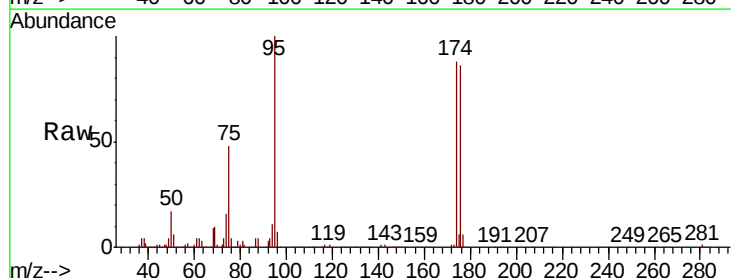
Tgt Ion: 95 Resp: 421971

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.2

176 86.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

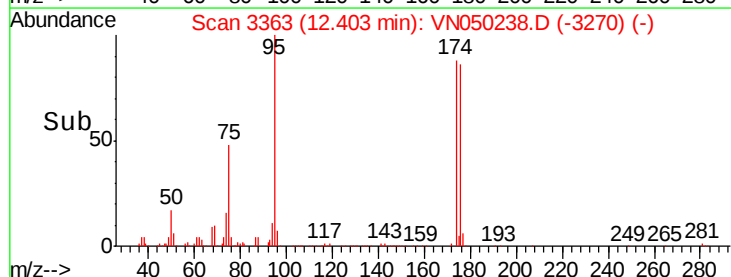
300000

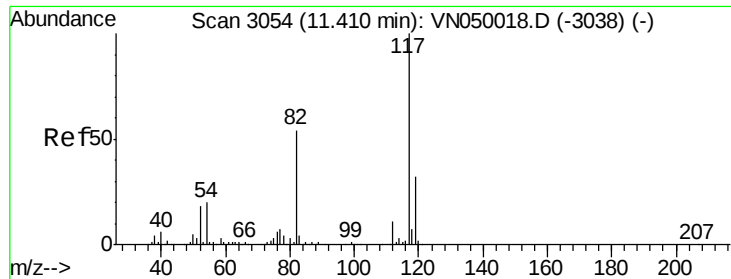
200000

100000

0

Time--> 12.35 12.40 12.45 12.50

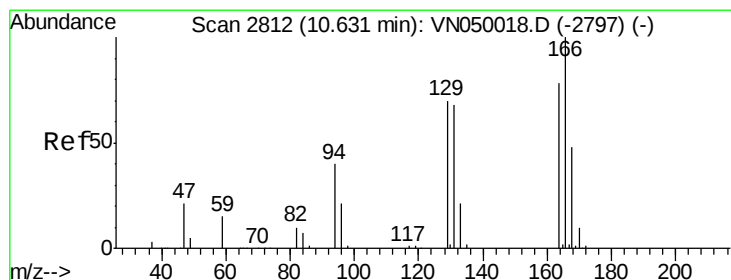
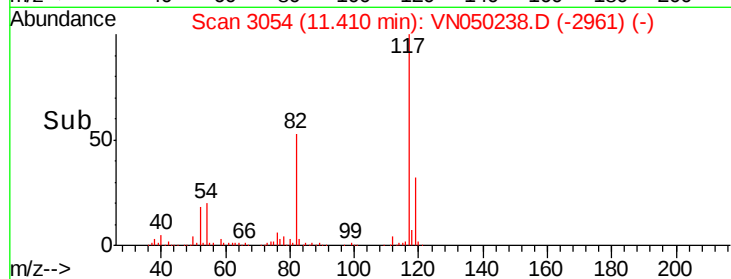
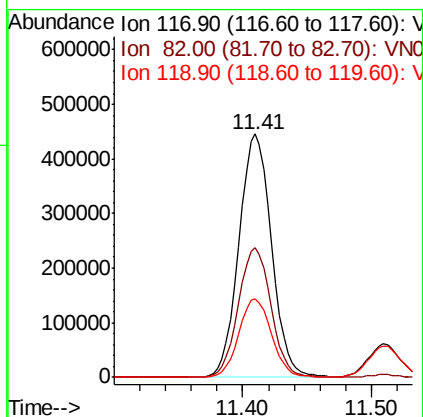
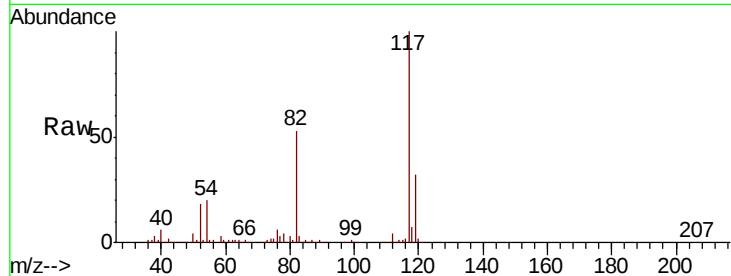




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

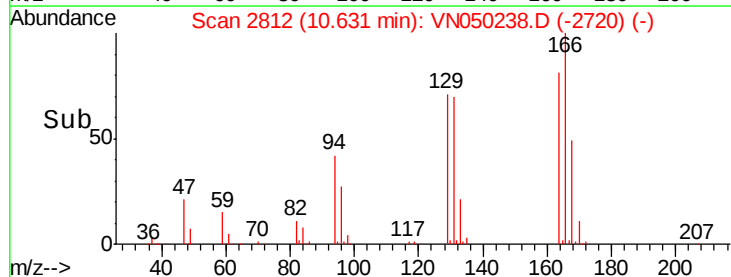
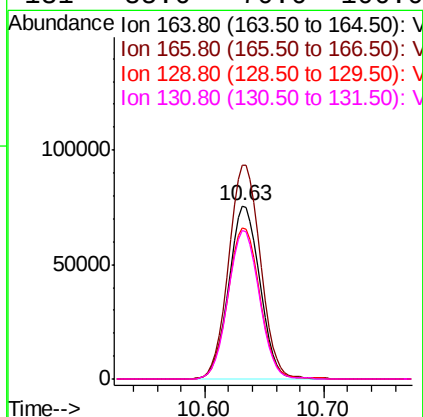
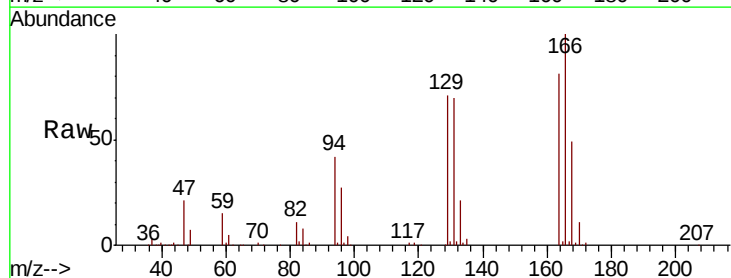
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

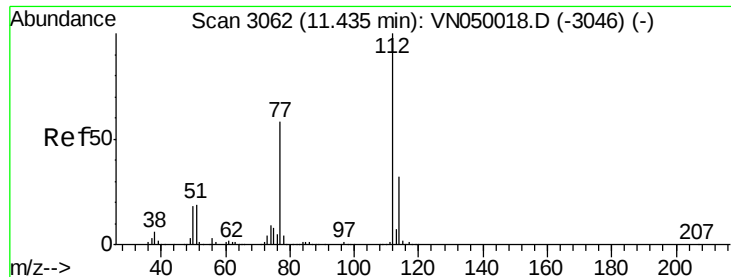
Tot Ion:117 Resp: 784739
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 18.23 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion:164 Resp: 137504
Ion Ratio Lower Upper
164 100
166 123.2 102.1 153.1
129 87.0 73.2 109.8
131 85.6 70.6 106.0

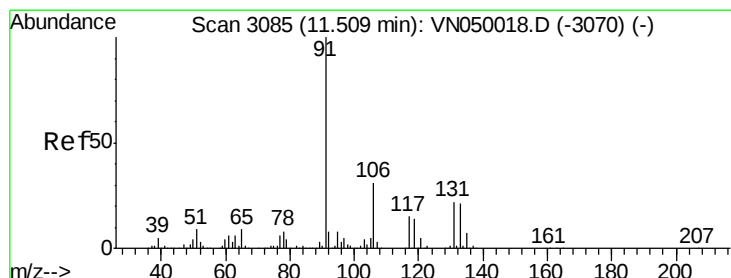
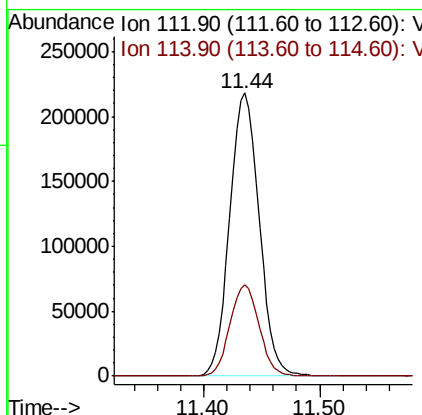
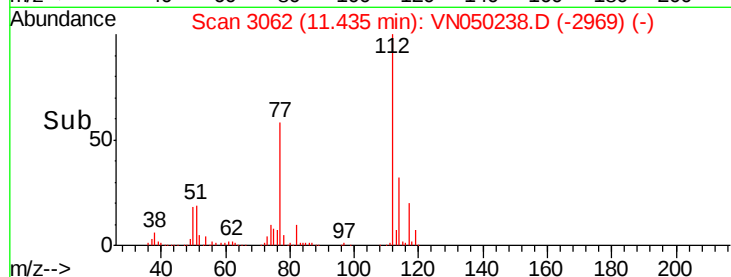
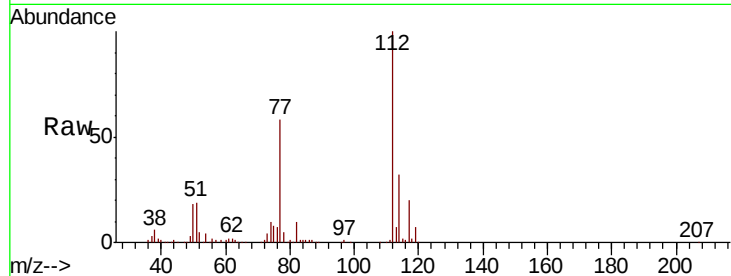




#65
Chlorobenzene
Concen: 19.43 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

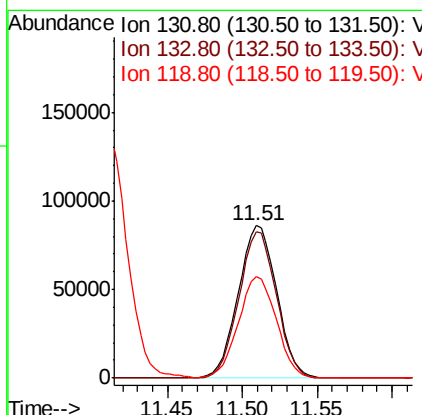
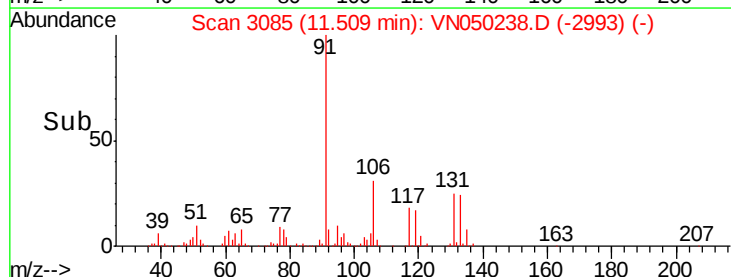
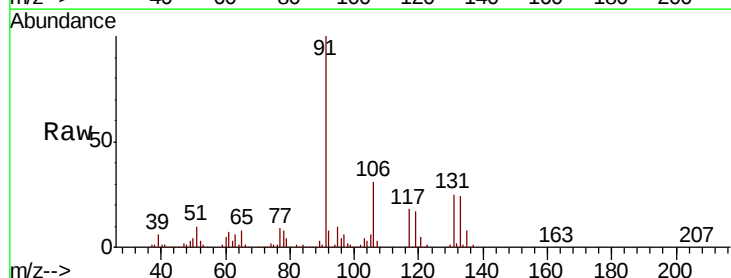
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

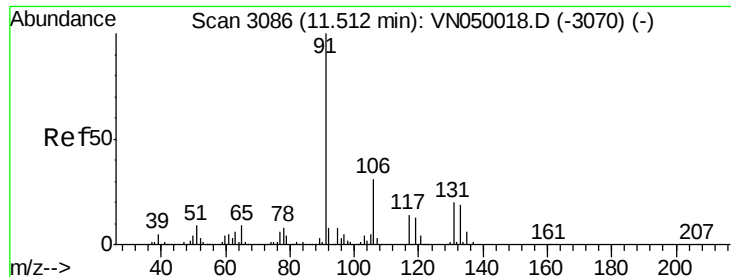
Tot Ion:112 Resp: 385067
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.20 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion:131 Resp: 153863
Ion Ratio Lower Upper
131 100
133 93.8 47.3 141.9
119 66.1 32.9 98.7





#67

Ethyl Benzene

Concen: 19.07 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

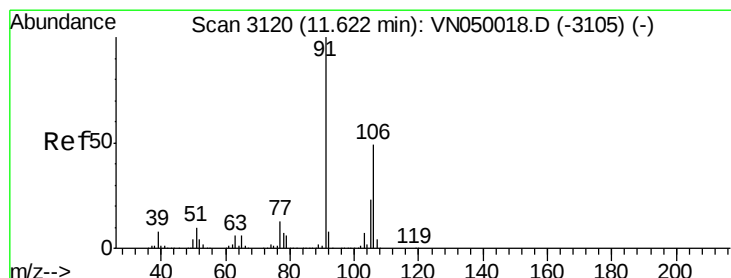
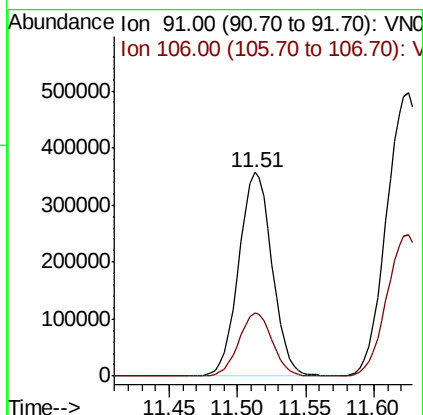
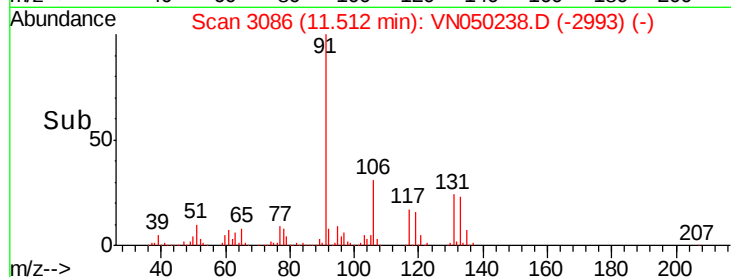
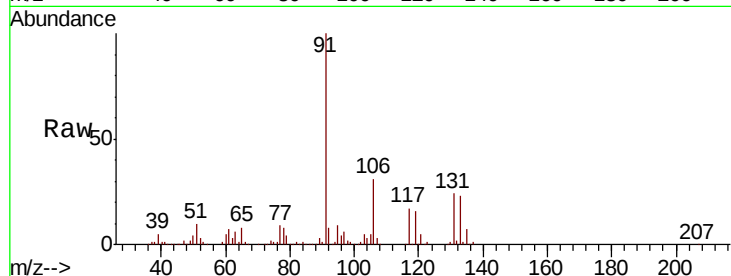
VN0801WBSD01

Tot Ion: 91 Resp: 607372

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 39.72 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050238.D

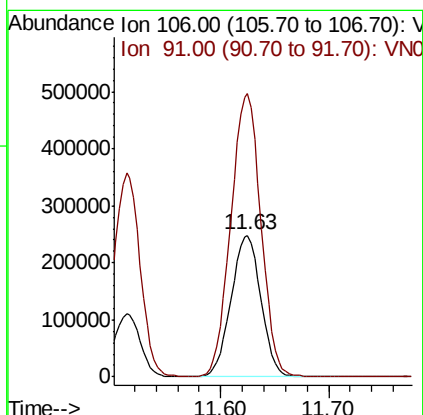
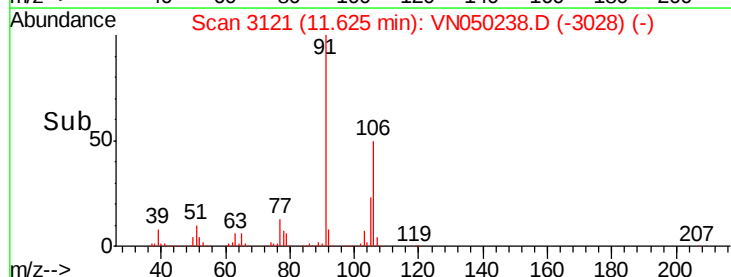
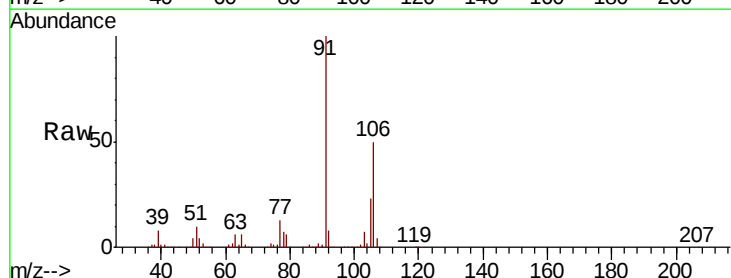
Acq: 1 Aug 2018 10:35

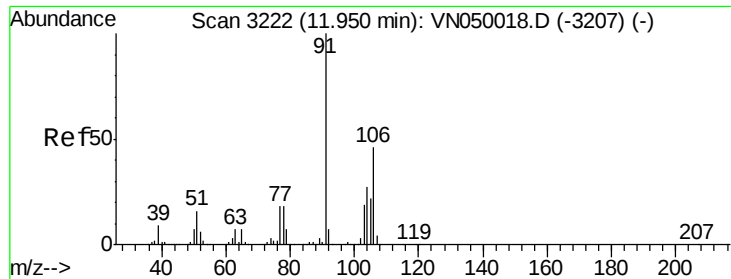
Tgt Ion: 106 Resp: 478393

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2

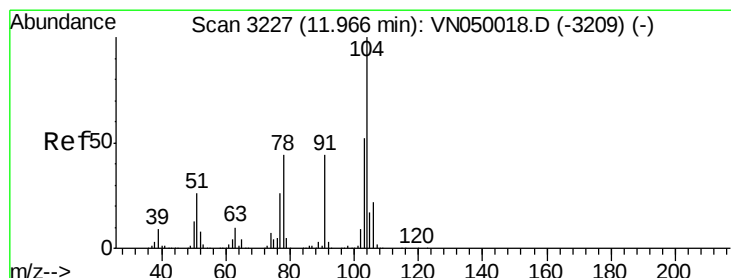
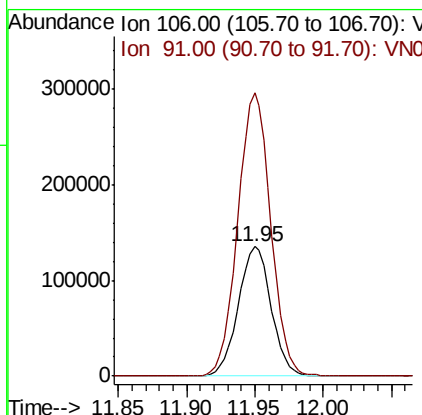
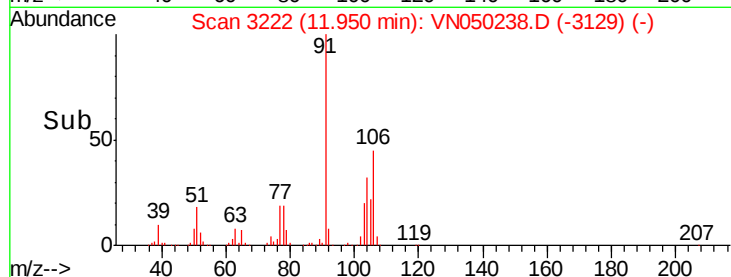
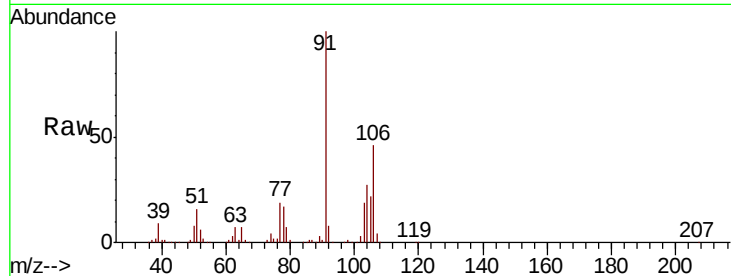




#69
o-Xylene
Concen: 19.66 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

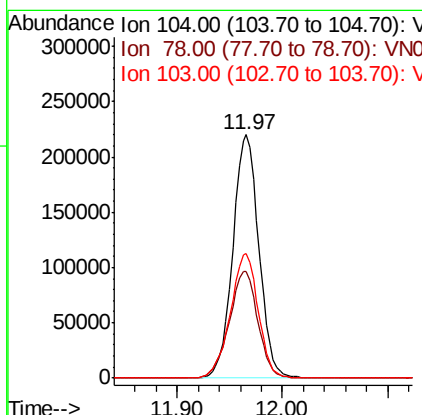
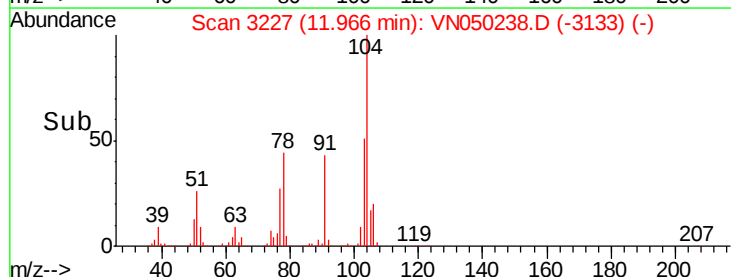
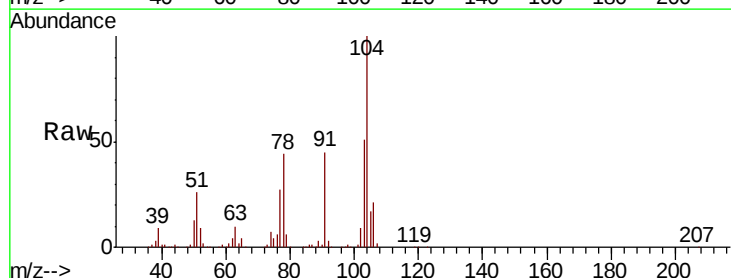
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

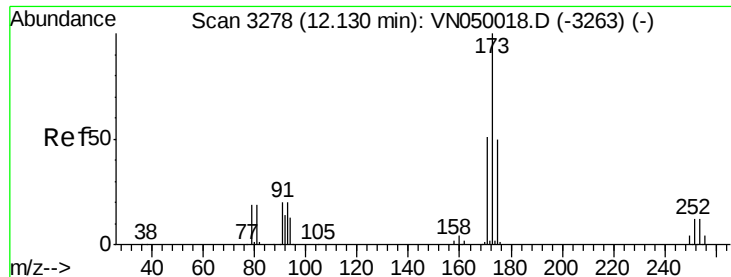
Tot Ion:106 Resp: 225732
Ion Ratio Lower Upper
106 100
91 219.5 107.7 323.1



#70
Styrene
Concen: 18.96 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion:104 Resp: 375257
Ion Ratio Lower Upper
104 100
78 48.4 39.3 58.9
103 54.8 45.0 67.6





#71

Bromoform

Concen: 20.54 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

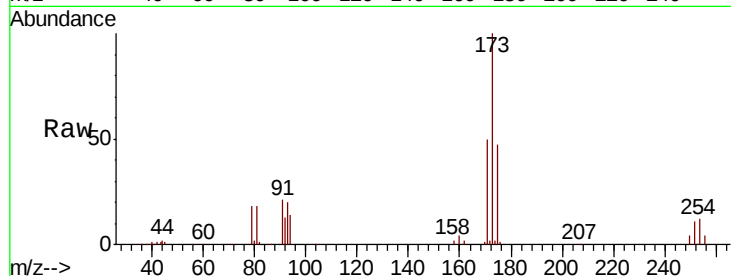
Tot Ion:173 Resp: 113774

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.2

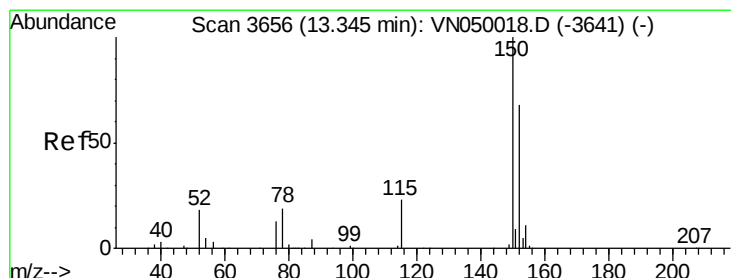
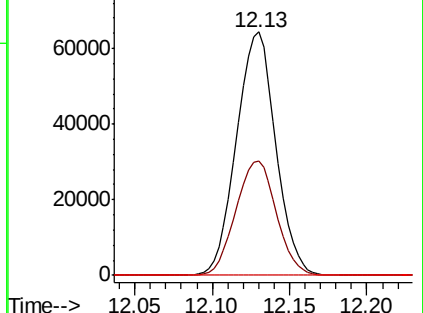
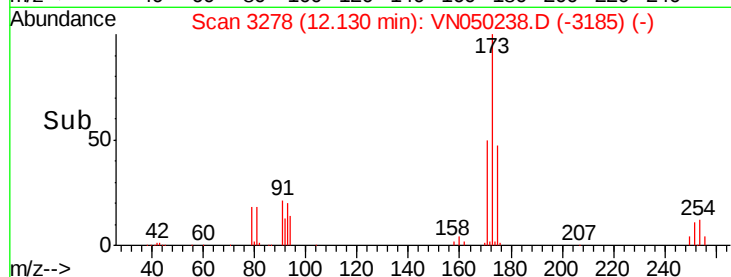
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

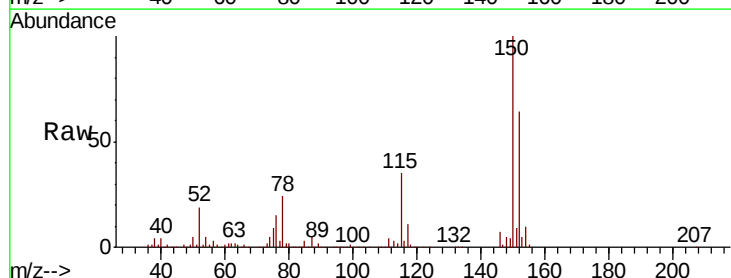
Tgt Ion:152 Resp: 394862

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.3

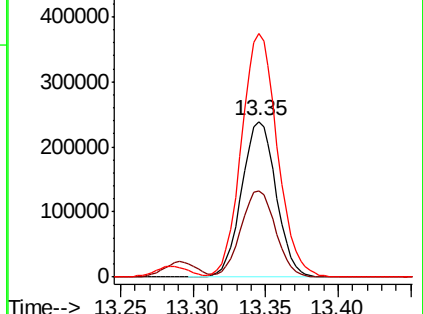
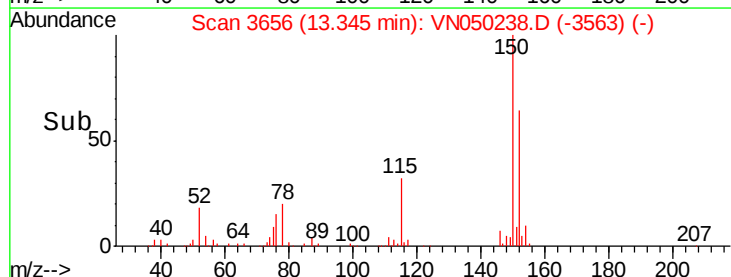
150 162.6 0.0 348.6

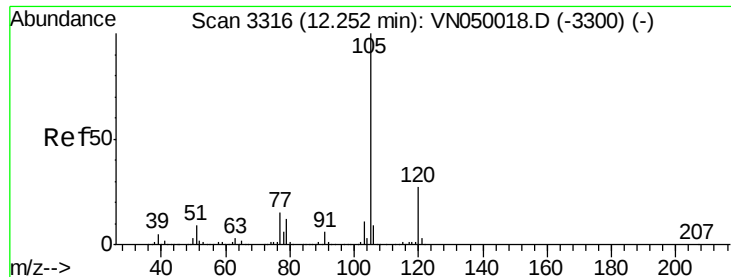


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.50 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

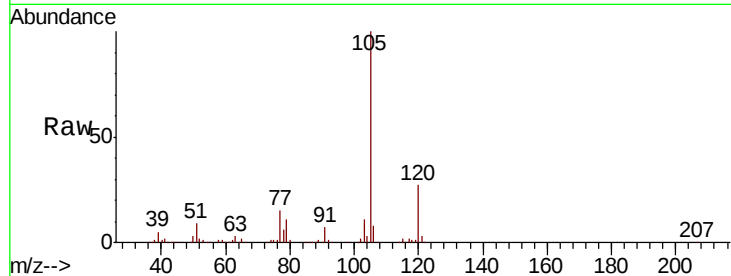
VN0801WBSD01

Tot Ion:105 Resp: 597089

Ion Ratio Lower Upper

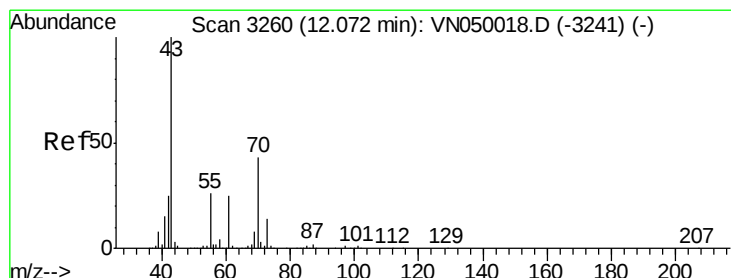
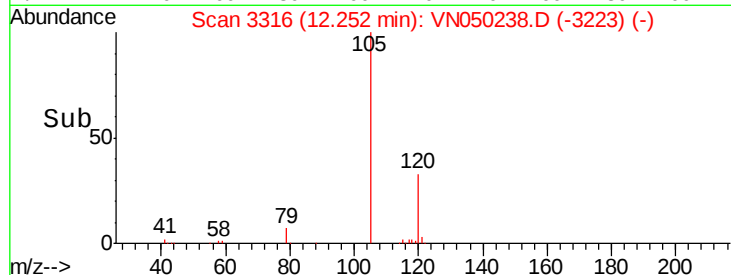
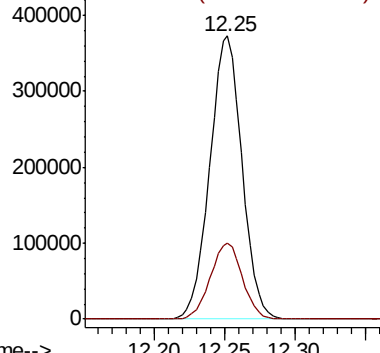
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.14 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Tgt Ion: 43 Resp: 188504

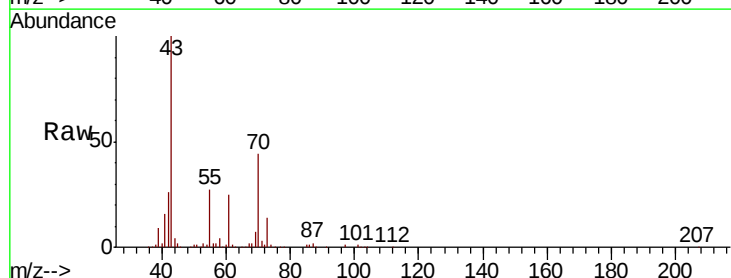
Ion Ratio Lower Upper

43 100

70 43.5 34.4 51.6

55 27.5 20.8 31.2

61 24.5 19.7 29.5

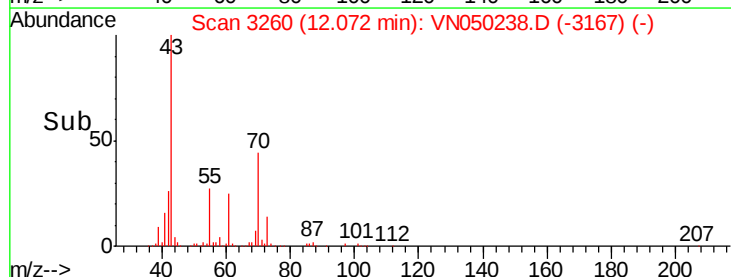
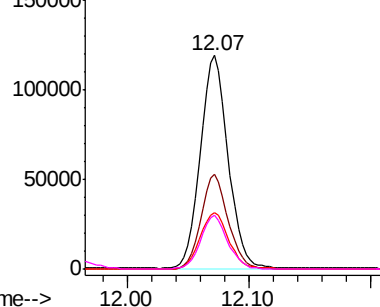


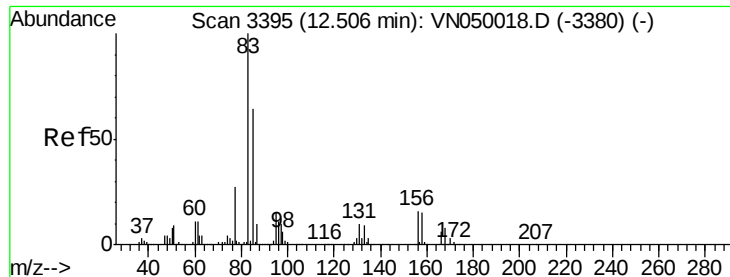
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.99 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

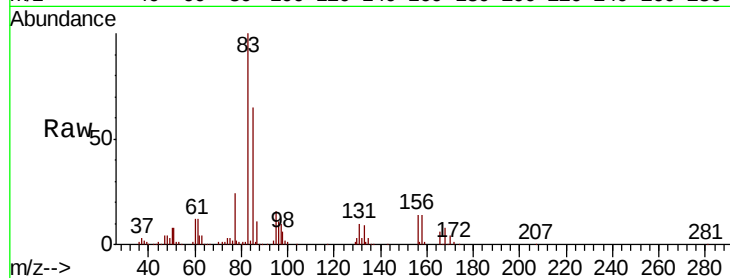
Tot Ion: 83 Resp: 187993

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050018.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-3380) (-)

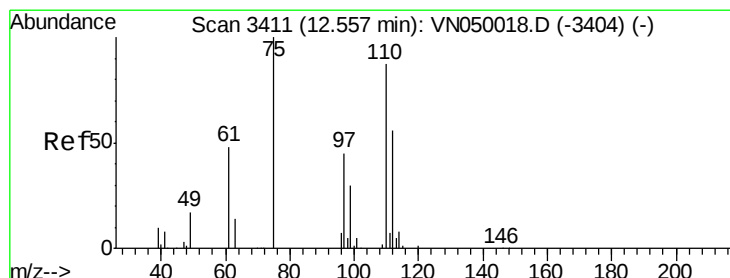
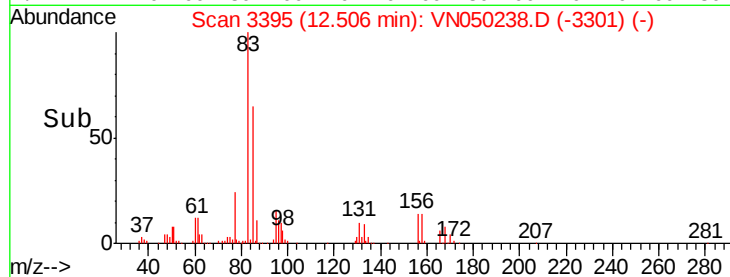
12.51

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.70 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050238.D

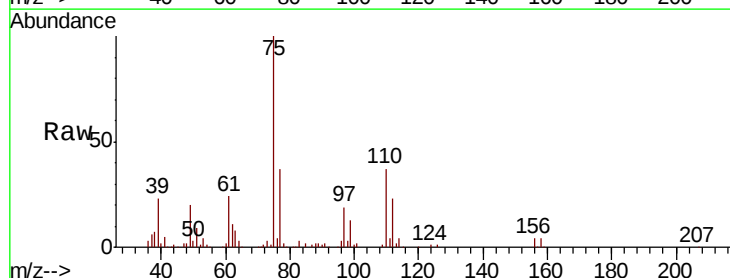
Acq: 1 Aug 2018 10:35

Tgt Ion: 75 Resp: 225250

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)

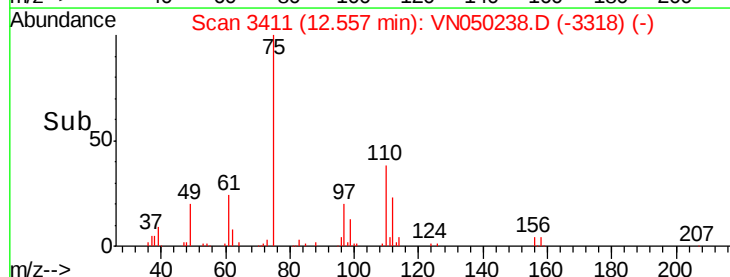
150000

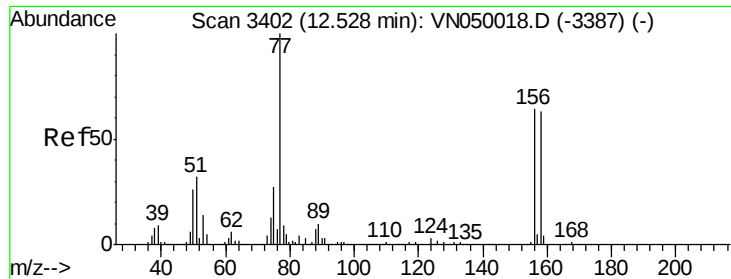
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 19.72 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

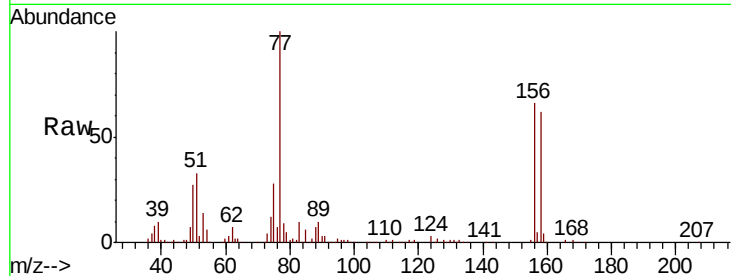
Tot Ion:156 Resp: 167347

Ion Ratio Lower Upper

156 100

77 183.6 91.7 275.1

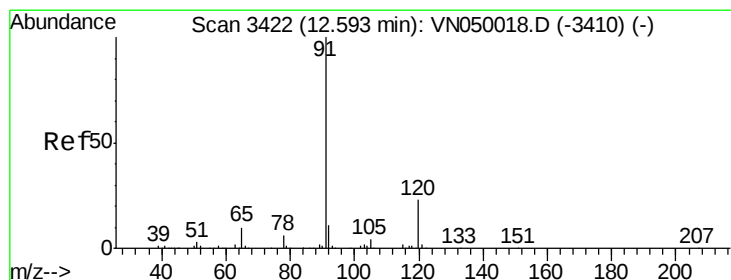
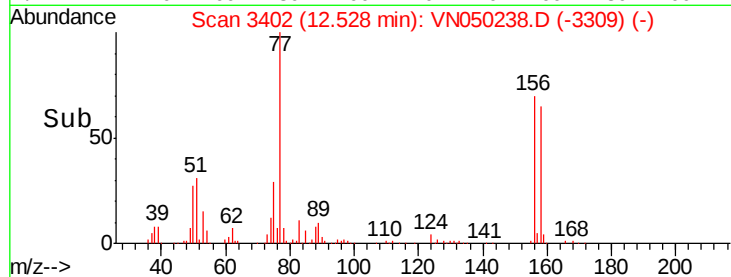
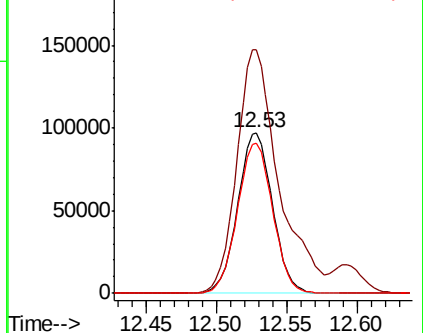
158 94.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.59 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050238.D

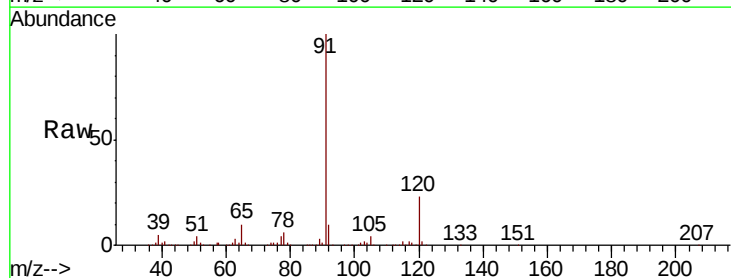
Acq: 1 Aug 2018 10:35

Tgt Ion: 91 Resp: 670606

Ion Ratio Lower Upper

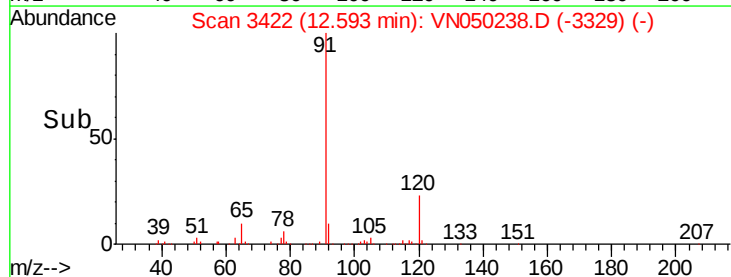
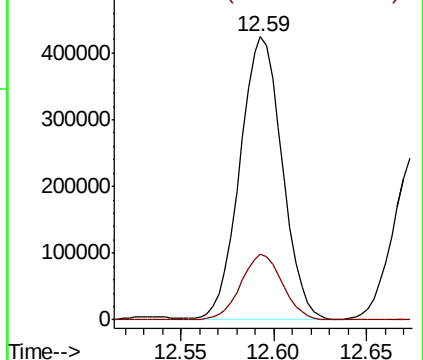
91 100

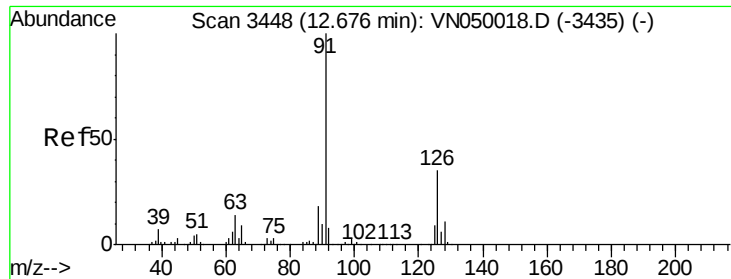
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.92 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

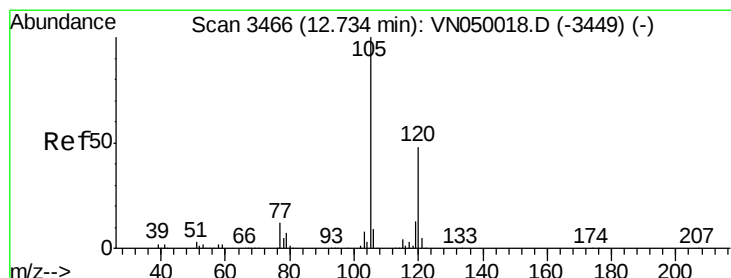
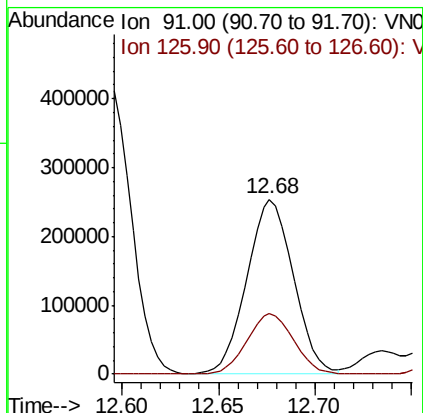
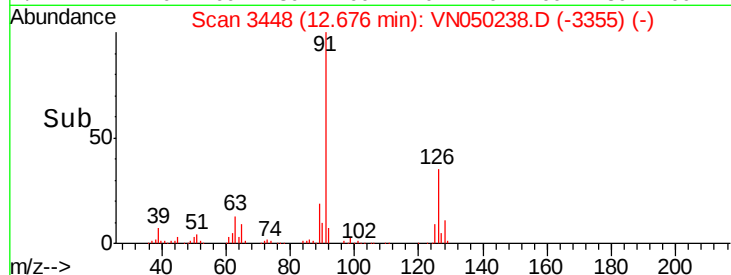
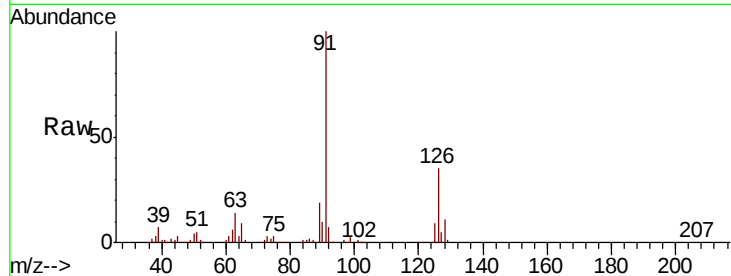
VN0801WBSD01

Tot Ion: 91 Resp: 422636

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.51 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050238.D

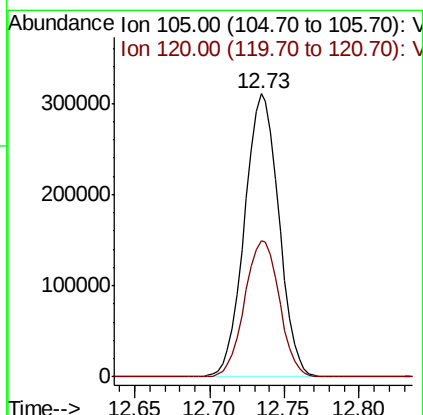
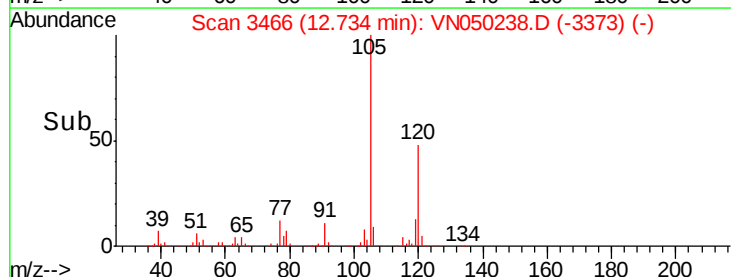
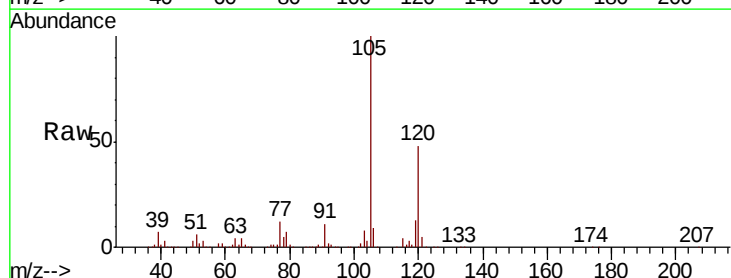
Acq: 1 Aug 2018 10:35

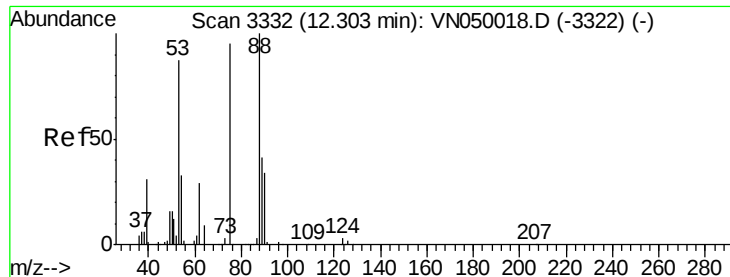
Tgt Ion:105 Resp: 494079

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.66 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

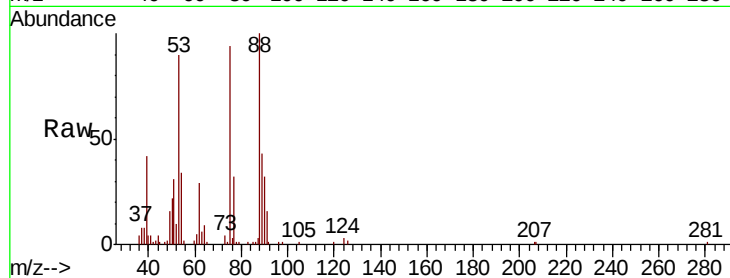
Tot Ion: 75 Resp: 47796

Ion Ratio Lower Upper

75 100

53 94.2 73.5 110.3

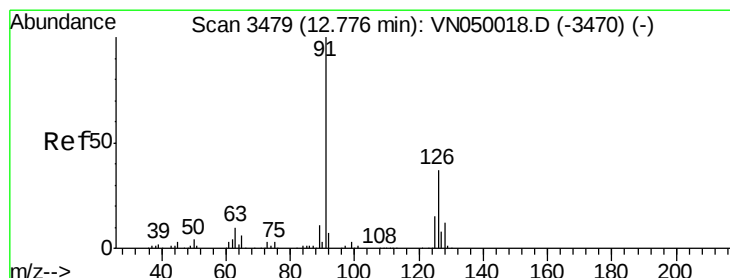
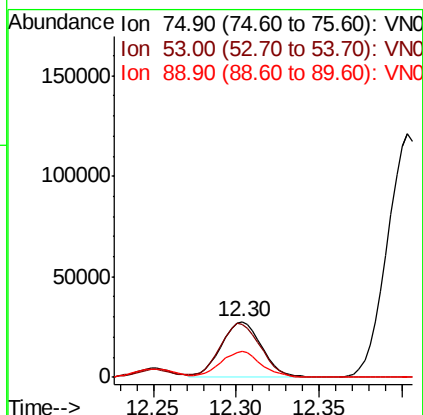
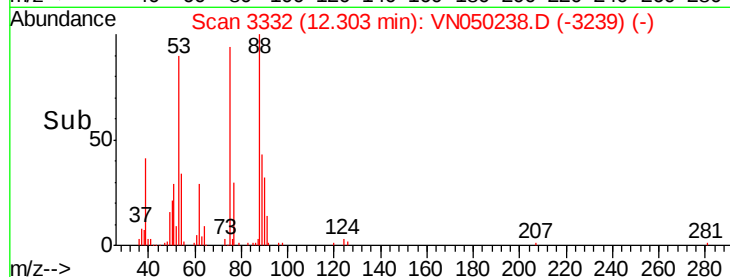
89 45.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.82 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050238.D

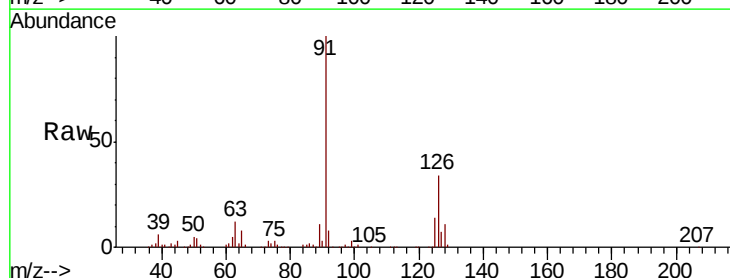
Acq: 1 Aug 2018 10:35

Tgt Ion: 91 Resp: 416380

Ion Ratio Lower Upper

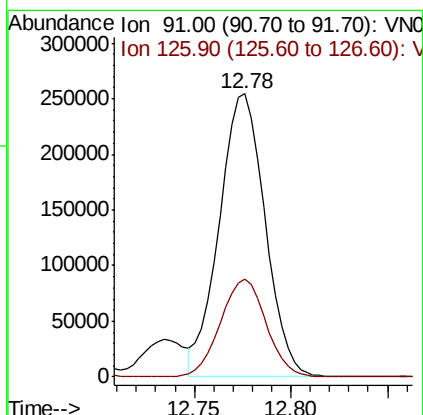
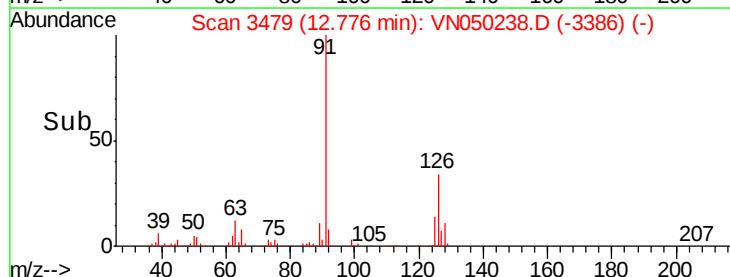
91 100

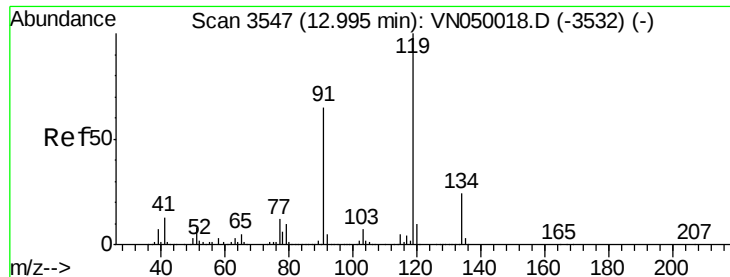
126 34.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

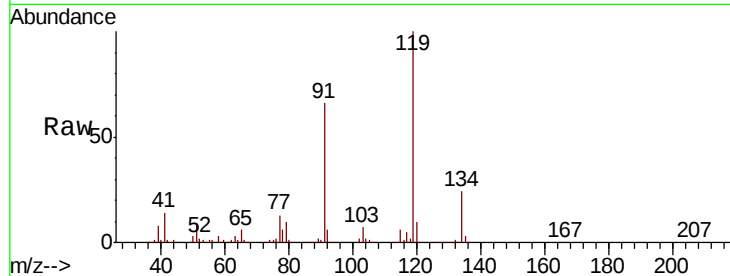




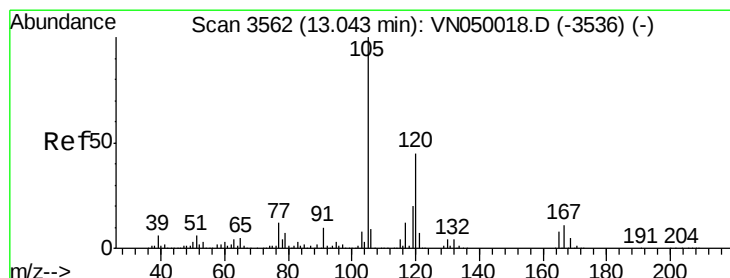
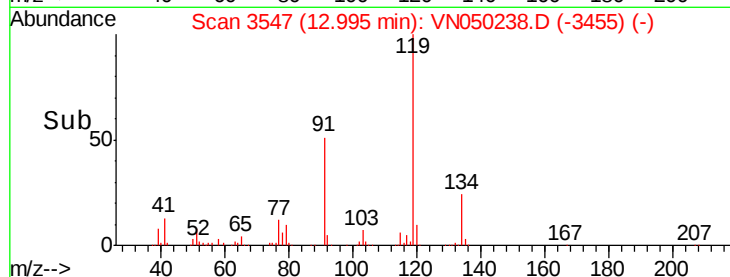
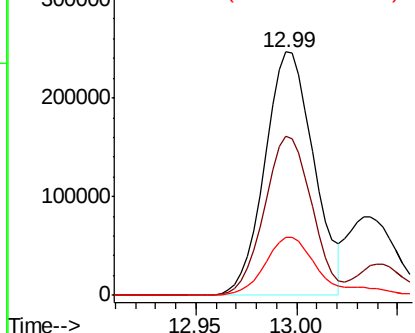
#83
 tert-Butylbenzene
 Concen: 19.76 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Tot Ion:119 Resp: 415416
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.1 96.3
 134 26.5 13.2 39.5

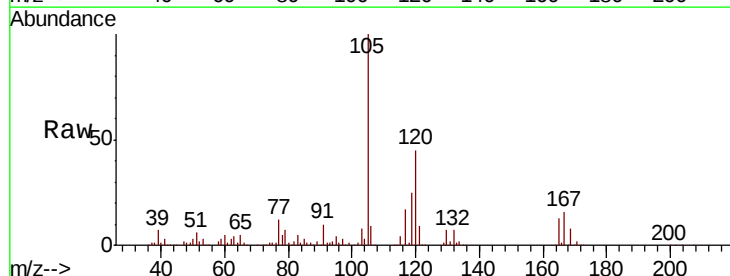


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

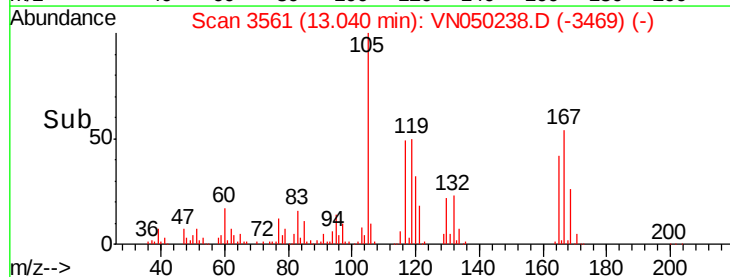
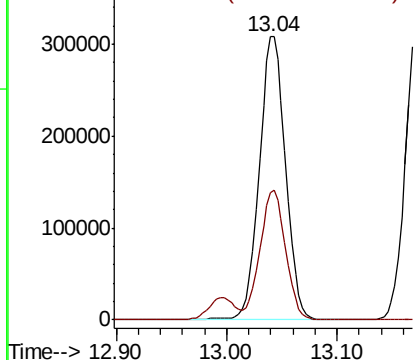


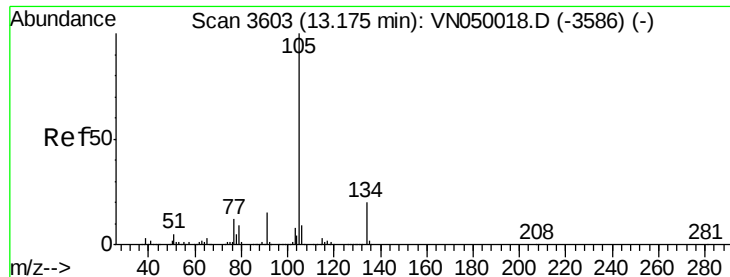
#84
 1,2,4-Trimethylbenzene
 Concen: 20.82 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Tgt Ion:105 Resp: 505499
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 19.68 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

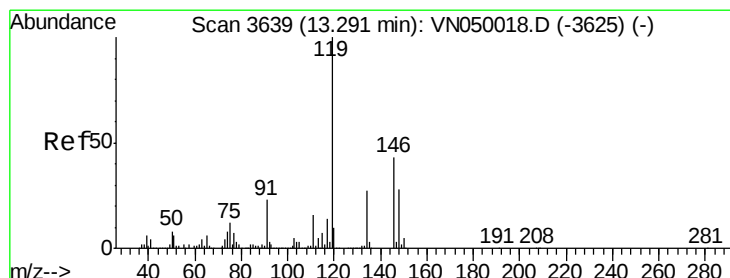
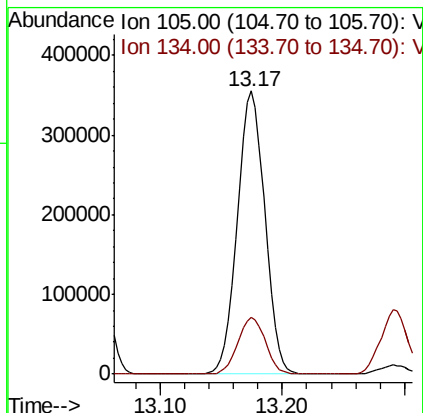
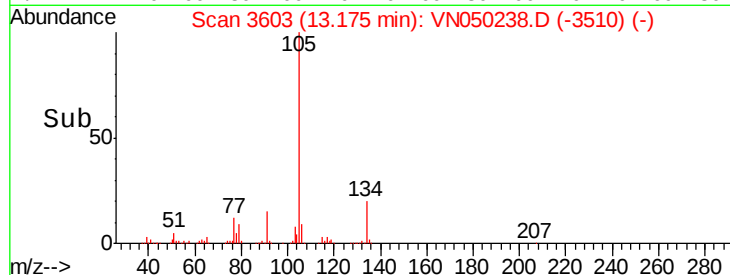
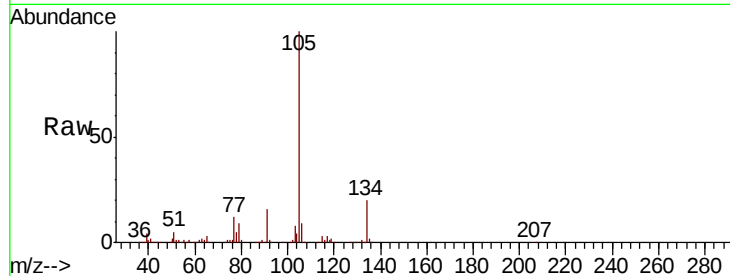
VN0801WBSD01

Tot Ion:105 Resp: 552884

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.74 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

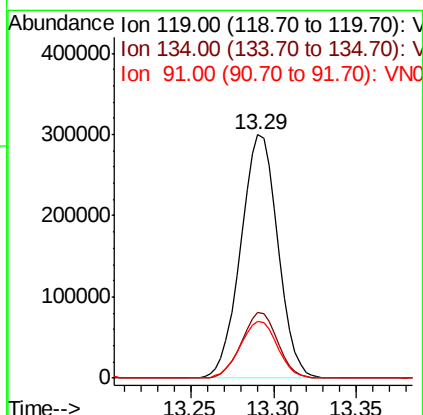
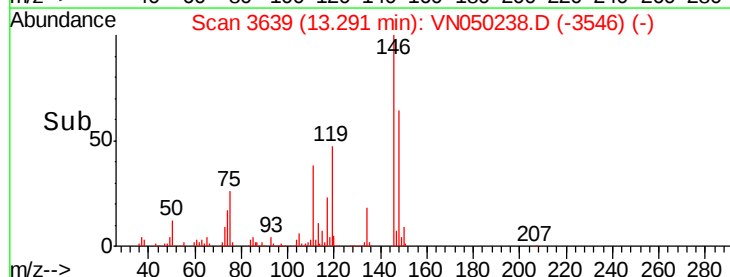
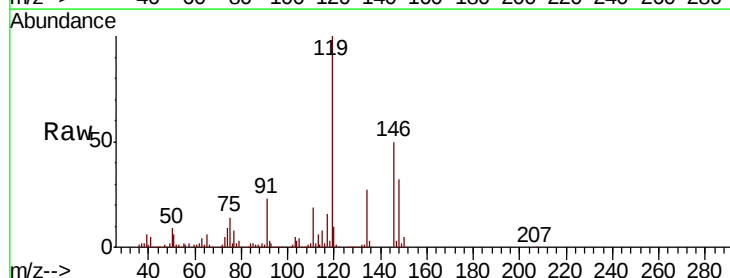
Tgt Ion:119 Resp: 467140

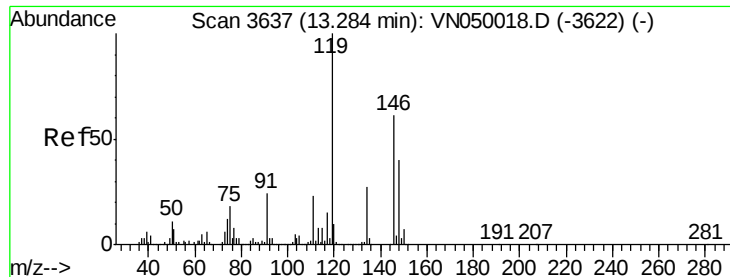
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 23.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.10 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

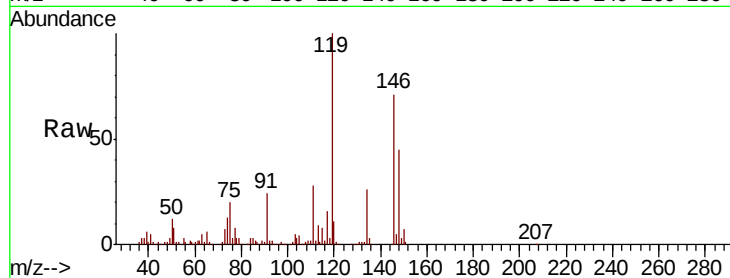
Tot Ion:146 Resp: 274827

Ion Ratio Lower Upper

146 100

111 38.5 18.8 56.4

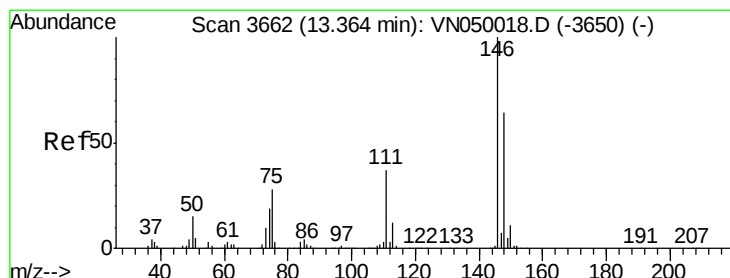
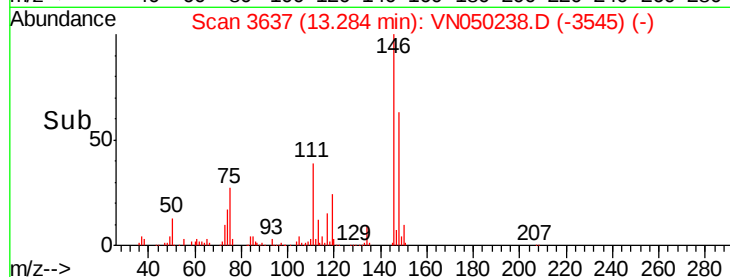
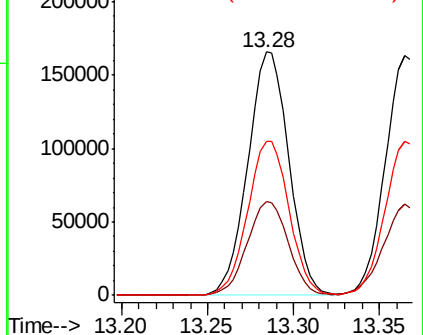
148 63.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.14 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

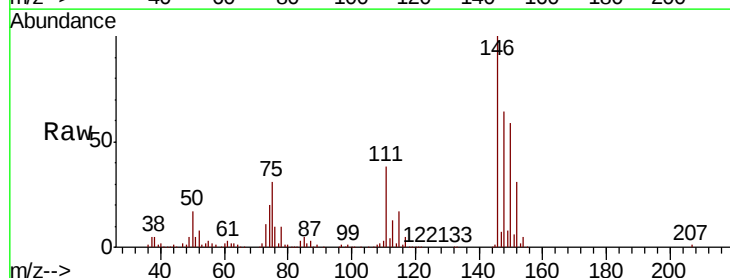
Tgt Ion:146 Resp: 268449

Ion Ratio Lower Upper

146 100

111 39.1 18.3 54.9

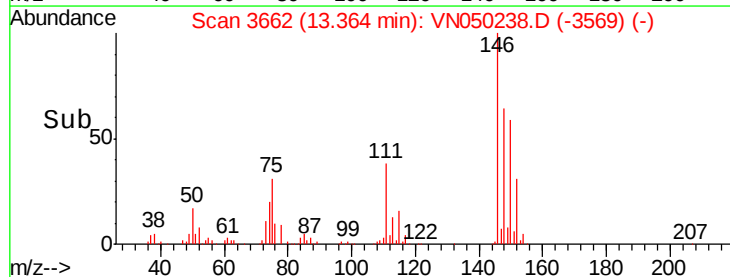
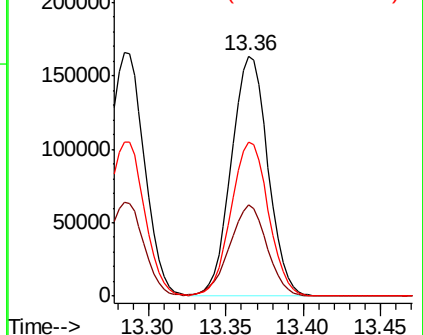
148 65.7 31.9 95.9

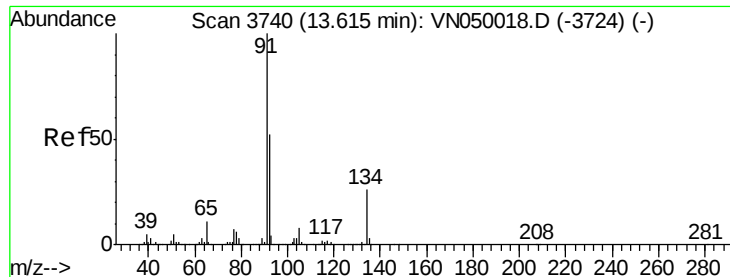


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

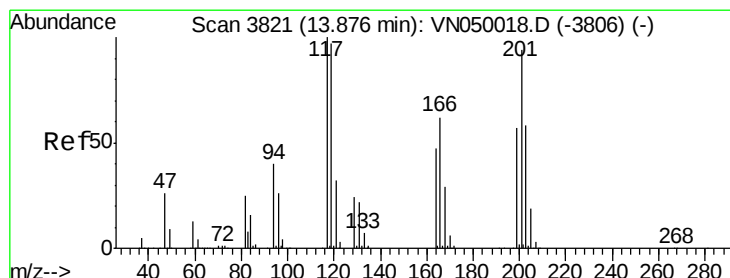
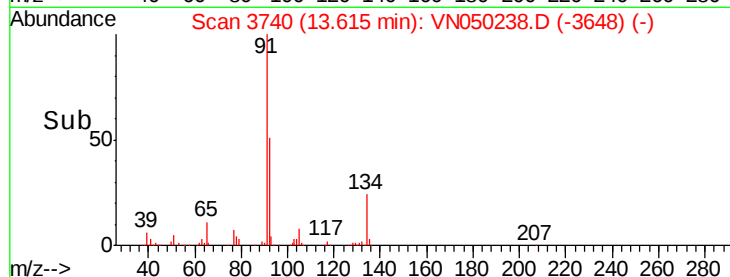
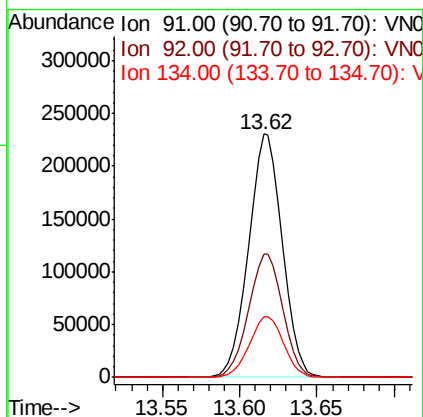
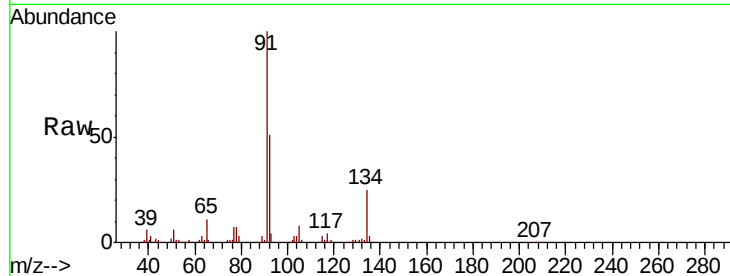




#89
n-Butylbenzene
Concen: 17.94 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

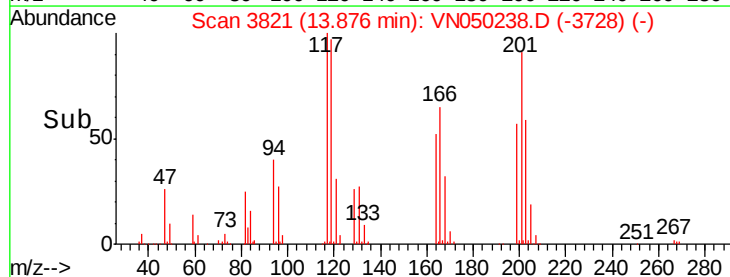
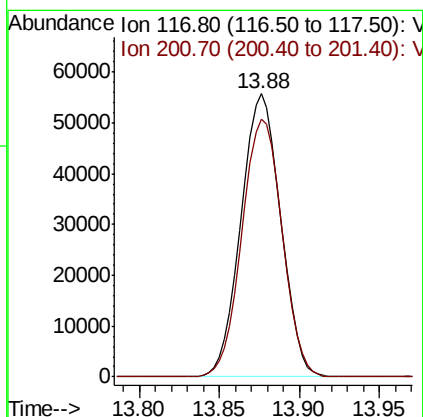
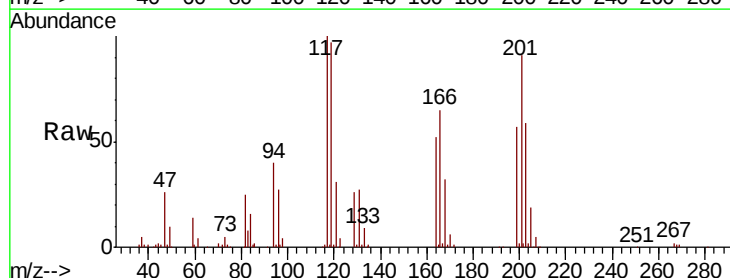
Instrument :
MSVOA_N
ClientSampleId :
VN0801WBSD01

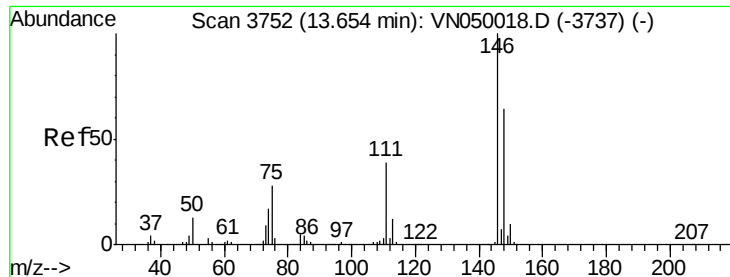
Tot Ion: 91 Resp: 349138
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 25.3 12.8 38.4



#90
Hexachloroethane
Concen: 17.95 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050238.D
Acq: 1 Aug 2018 10:35

Tgt Ion: 117 Resp: 94355
Ion Ratio Lower Upper
117 100
201 92.2 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.59 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

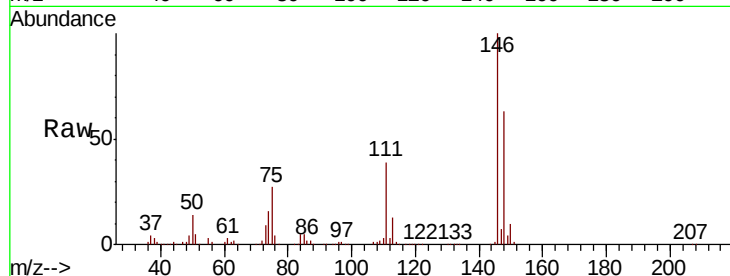
Tot Ion:146 Resp: 281795

Ion Ratio Lower Upper

146 100

111 39.3 19.6 58.7

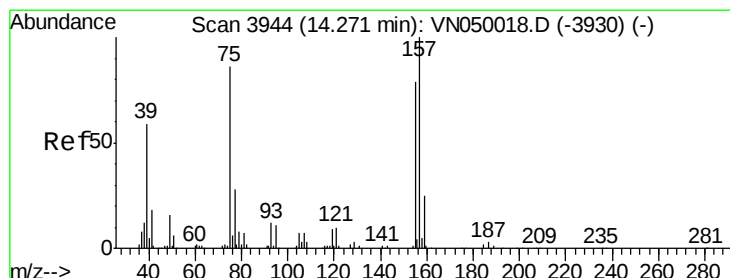
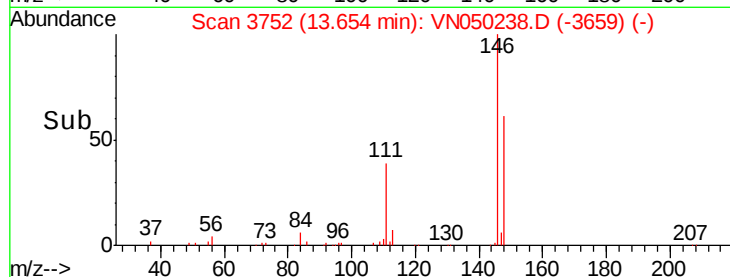
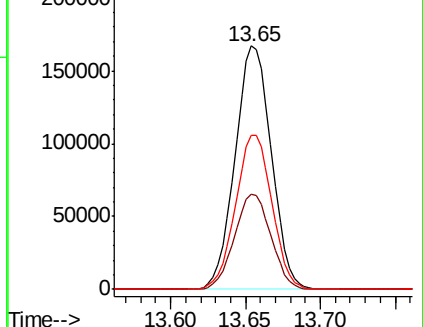
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.34 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

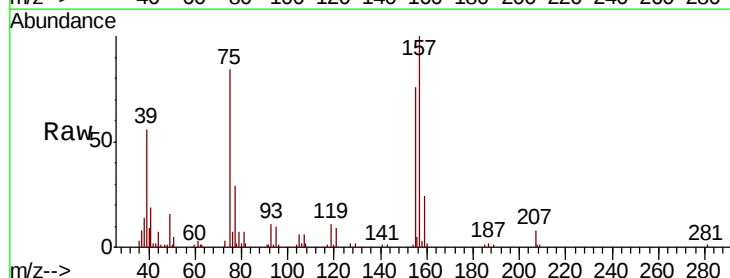
Tgt Ion: 75 Resp: 28414

Ion Ratio Lower Upper

75 100

155 90.4 44.8 134.4

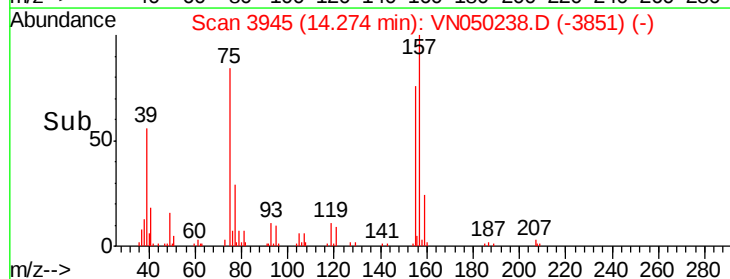
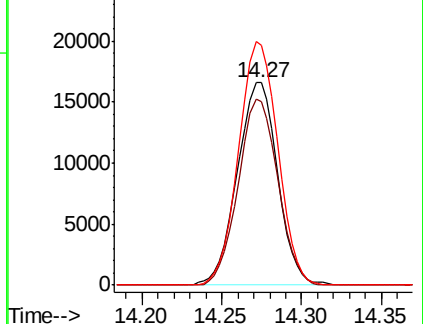
157 116.9 57.2 171.6

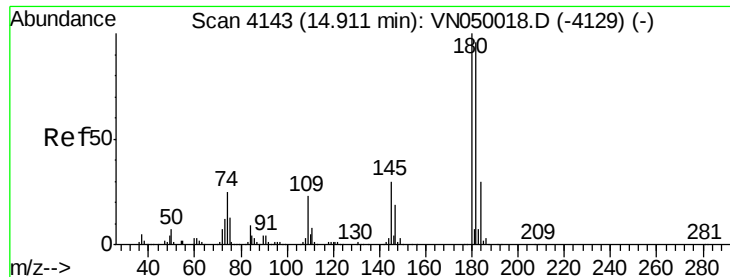


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

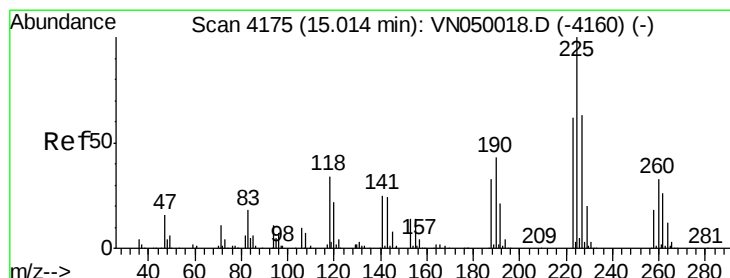
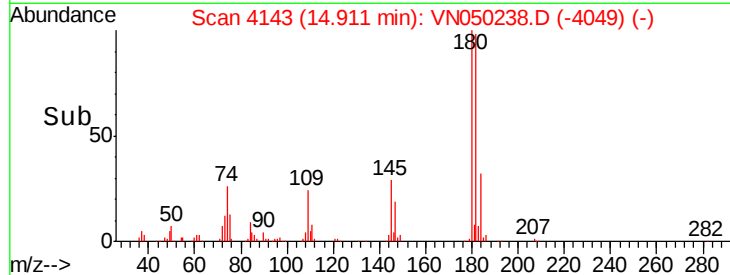
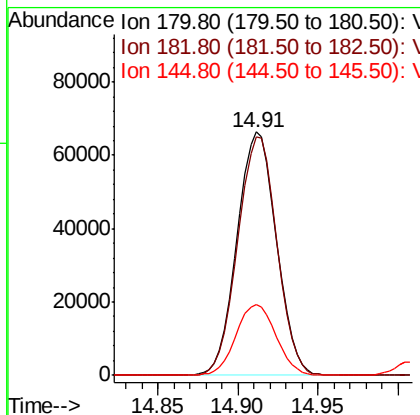
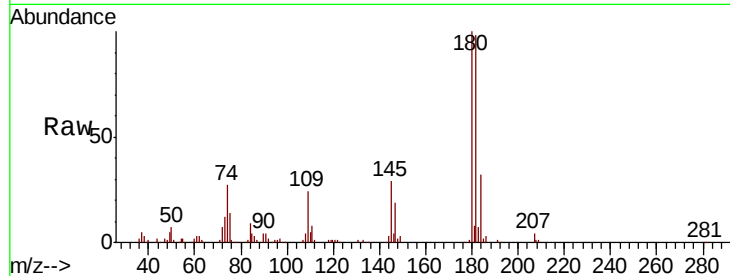




#93
 1,2,4-Trichlorobenzene
 Concen: 16.77 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

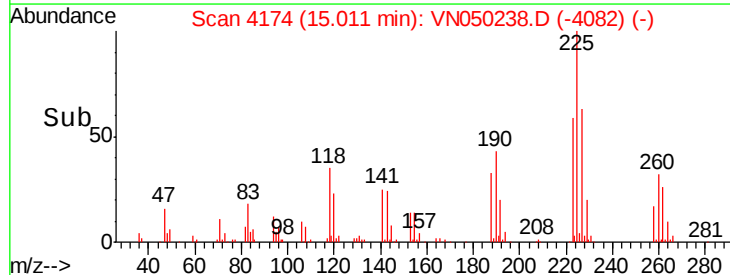
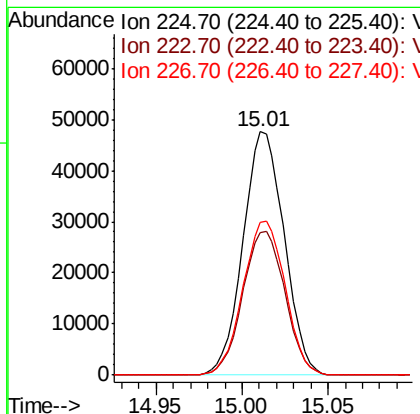
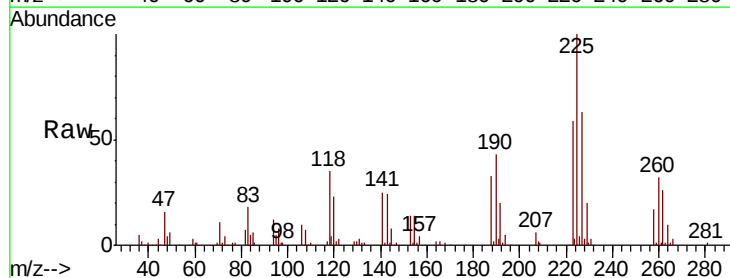
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

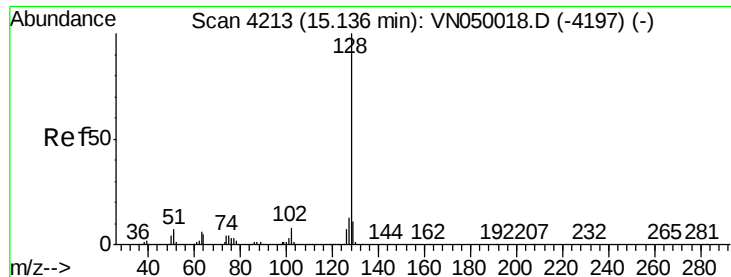
Tot Ion:180 Resp: 111216
 Ion Ratio Lower Upper
 180 100
 182 97.5 46.7 140.1
 145 29.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.01 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050238.D
 Acq: 1 Aug 2018 10:35

Tgt Ion:225 Resp: 79305
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.4 94.2
 227 64.7 32.1 96.5





#95

Naphthalene

Concen: 16.95 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBSD01

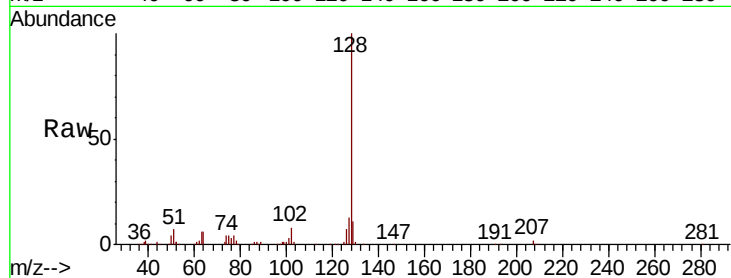
Tot Ion:128 Resp: 248032

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

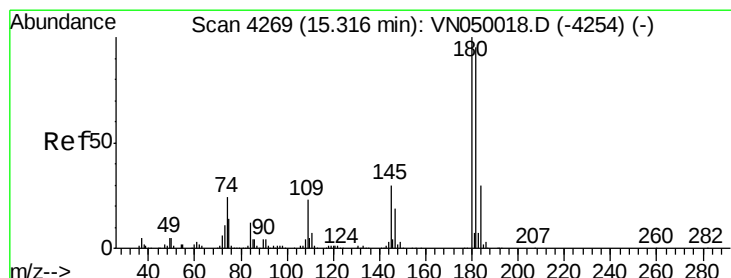
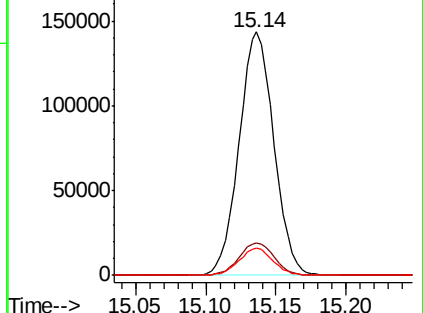
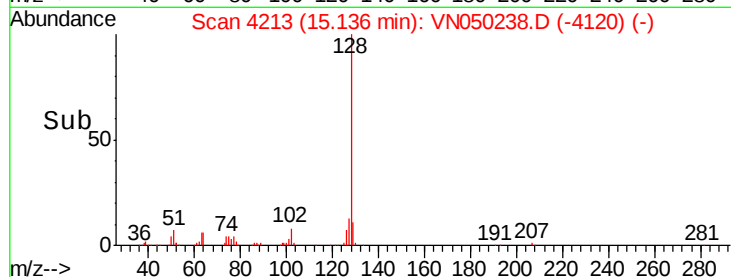
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.98 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050238.D

Acq: 1 Aug 2018 10:35

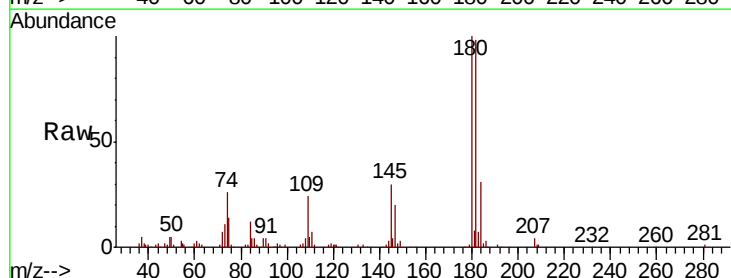
Tgt Ion:180 Resp: 122581

Ion Ratio Lower Upper

180 100

182 95.4 48.1 144.4

145 29.9 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

