

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050308.D
 Acq On : 3 Aug 2018 12:27
 Operator : MD\SY
 Sample : VN0803WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Quant Time: Aug 03 23:07:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125858	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	645518	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	561145	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258817	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	247454	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	806248	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	137814	15.89	ug/l	98
3) Chloromethane	2.06	50	129658	14.50	ug/l	100
4) Vinyl Chloride	2.18	62	149643	15.72	ug/l	96
5) Bromomethane	2.56	94	40781	7.03	ug/l	98
6) Chloroethane	2.70	64	90775	16.12	ug/l	98
7) Trichlorofluoromethane	3.01	101	204763	16.46	ug/l	97
8) Diethyl Ether	3.41	74	77395	18.55	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	127499	16.85	ug/l	99
10) 1,1-Dichloroethene	3.73	96	109985	16.39	ug/l	95
11) Methyl Iodide	3.95	142	40814	4.13	ug/l	99
12) Methyl Acetate	4.33	43	194456	25.30	ug/l	95
13) Acrolein	3.61	56	13442	28.30	ug/l	95
14) Acrylonitrile	5.00	53	256276	99.91	ug/l	99
15) Acetone	3.82	58	67109	98.45	ug/l	97
16) Carbon Disulfide	4.05	76	291924	14.22	ug/l	99
17) Allyl chloride	4.32	41	183273	17.29	ug/l	99
18) Methylene Chloride	4.55	84	140876	18.19	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	118936	16.56	ug/l	96
20) Diisopropyl ether	5.96	45	415662	19.13	ug/l	95
21) 1,1-Dichloroethane	5.85	63	247319	18.10	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	143388	18.00	ug/l	98
23) tert-Butyl Alcohol	4.80	59	64281	112.16	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	357146	19.52	ug/l	98
25) Chloroform	7.37	83	255150	18.45	ug/l	99
26) Cyclohexane	7.66	56	168765	15.54	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	166358	16.61	ug/l	99
30) 2-Butanone	6.84	43	313202	99.63	ug/l	99
31) 2,2-Dichloropropane	6.82	77	189387	17.10	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	208899	17.72	ug/l	99
33) Carbon Tetrachloride	7.78	117	181851	17.30	ug/l	100
34) Benzene	8.04	78	547416	17.99	ug/l	99
35) Methacrylonitrile	7.18	41	55168	15.41	ug/l	97
36) 1,2-Dichloroethane	8.13	62	188054	18.83	ug/l	100
37) Trichloroethene	8.84	130	139098	17.43	ug/l	99
38) Methylcyclohexane	9.08	83	161837	15.32	ug/l	99
39) 1,2-Dichloropropane	9.12	63	148263	18.50	ug/l	97
40) Dibromomethane	9.21	93	93628	18.90	ug/l	99

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 QLast Update : Thu Jul 26 15:21:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	196018	18.76	ug/l	98
42) Vinyl Acetate	5.90	43	1347055	91.06	ug/l	99
43) Ethyl Acetate	6.94	43	131099	19.97	ug/l	94
44) Isopropyl Acetate	8.17	43	267700	22.01	ug/l	92
45) 1,4-Dioxane	9.20	88	34324	428.95	ug/l	95
46) Methyl methacrylate	9.20	41	115880	19.66	ug/l	99
47) n-amyl Acetate	12.07	43	166144	17.56	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	186179	18.69	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	214313	18.31	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	140456	19.75	ug/l	98
51) Ethyl methacrylate	10.43	69	161950	18.77	ug/l	98
52) 1,3-Dichloropropane	10.71	76	223173	19.11	ug/l	100
53) Dibromochloromethane	10.90	129	148179	18.36	ug/l	98
54) 1,2-Dibromoethane	11.01	107	131361	18.86	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	354639	90.80	ug/l	99
56) Bromoform	12.13	173	104354	18.31	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	706072	108.14	ug/l	100
59) 2-Hexanone	10.75	43	461198	103.53	ug/l	98
61) Tetrachloroethene	10.63	164	129671	17.06	ug/l	98
62) Toluene	10.16	91	577835	18.05	ug/l	99
64) Chlorobenzene	11.44	112	351602	18.11	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	144903	19.14	ug/l	100
66) Ethyl Benzene	11.51	91	571431	17.47	ug/l	99
67) m/p-Xylenes	11.62	106	444139	35.27	ug/l	99
68) o-Xylene	11.95	106	212116	17.71	ug/l	99
69) Styrene	11.97	104	342876	17.85	ug/l	100
70) Isopropylbenzene	12.25	105	569103	17.84	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	178439	20.37	ug/l	97
72) 1,2,3-Trichloropropane	12.56	75	205918	27.52	ug/l	46
73) Bromobenzene	12.53	156	150412	17.70	ug/l	95
74) n-propylbenzene	12.59	91	634686	17.08	ug/l	99
75) 2-Chlorotoluene	12.68	91	397131	17.79	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	467414	17.84	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40456	16.54	ug/l	93
78) 4-Chlorotoluene	12.78	91	388300	17.56	ug/l	99
79) tert-butylbenzene	12.99	119	396028	17.68	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	471071	17.74	ug/l	99
81) sec-Butylbenzene	13.17	105	519166	17.06	ug/l	100
82) p-Isopropyltoluene	13.29	119	443534	17.08	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	251280	16.98	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	237778	17.00	ug/l	99
85) n-Butylbenzene	13.62	91	320927	15.23	ug/l	100
86) Hexachloroethane	13.88	117	86595	16.69	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	260805	18.03	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27352	20.04	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	100885	14.60	ug/l	100
90) Hexachlorobutadiene	15.01	225	76968	16.90	ug/l	97
91) Naphthalene	15.14	128	221060	17.85	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	112148	15.96	ug/l	99

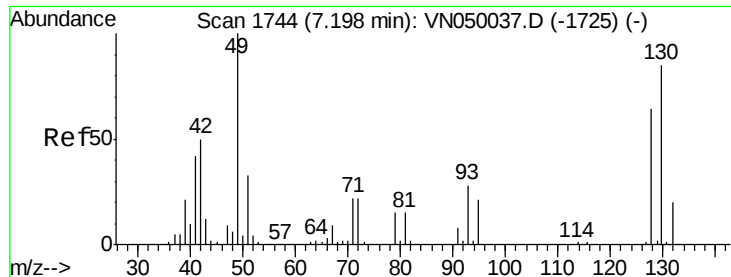
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

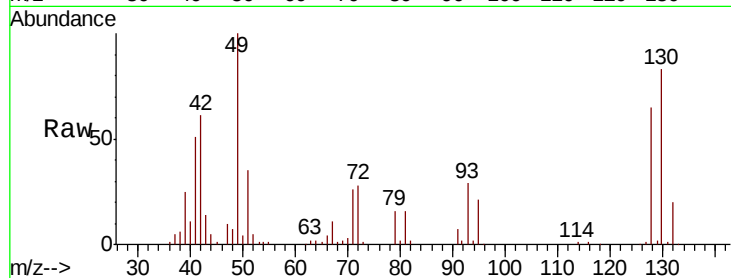
Tot Ion:128 Resp: 125858

Ion Ratio Lower Upper

128 100

49 154.0 0.0 378.3

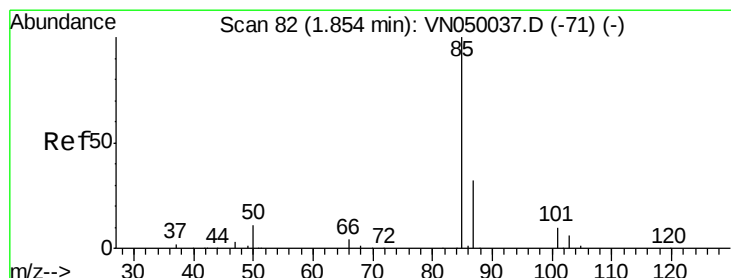
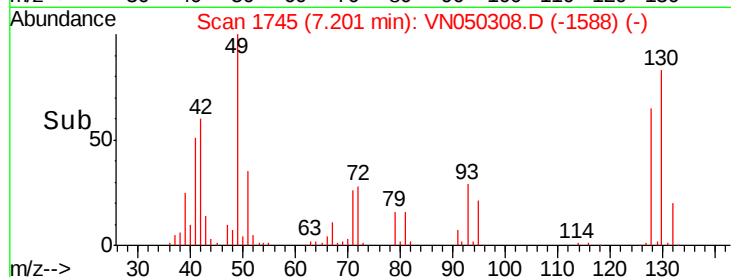
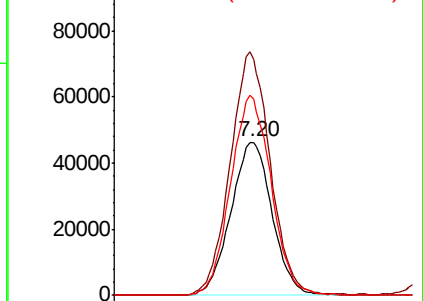
130 128.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.89 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050308.D

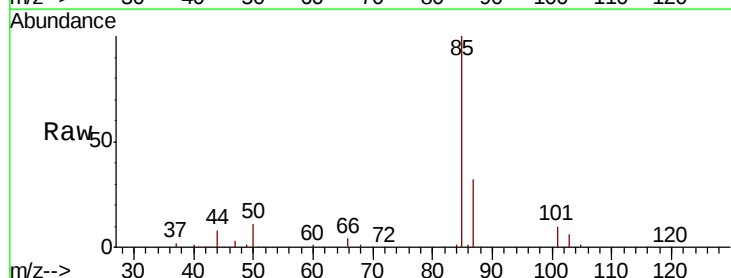
Acq: 3 Aug 2018 12:27

Tgt Ion: 85 Resp: 137814

Ion Ratio Lower Upper

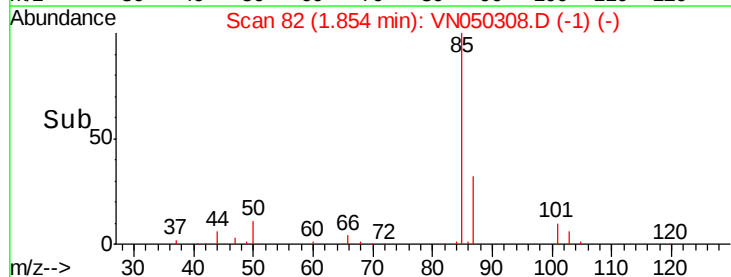
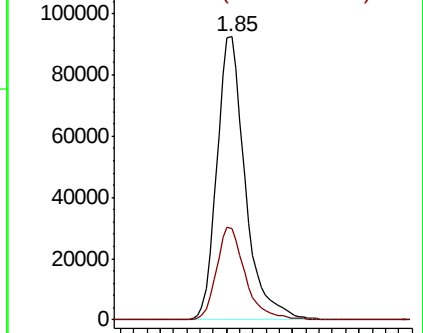
85 100

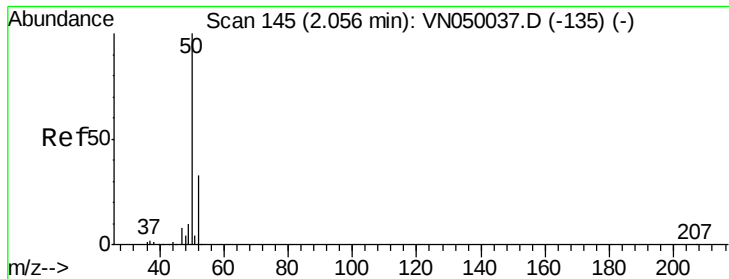
87 32.2 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 14.50 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

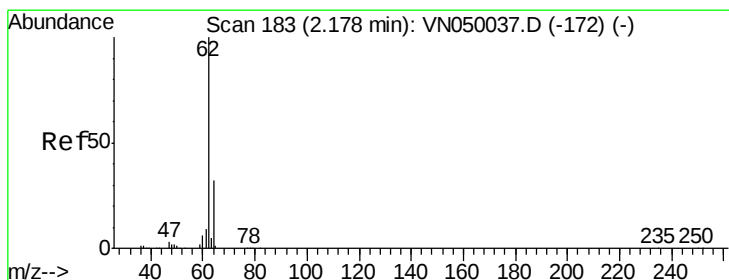
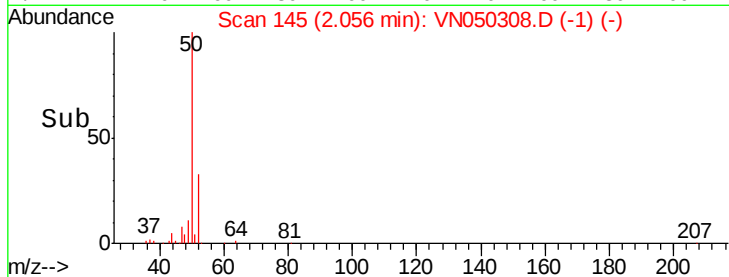
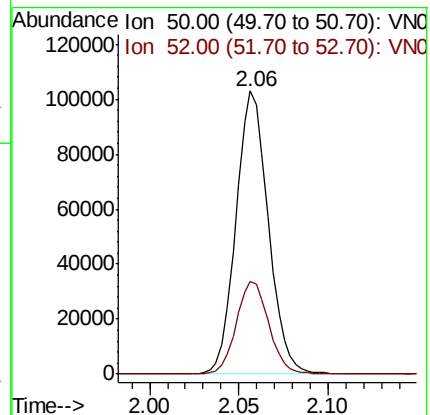
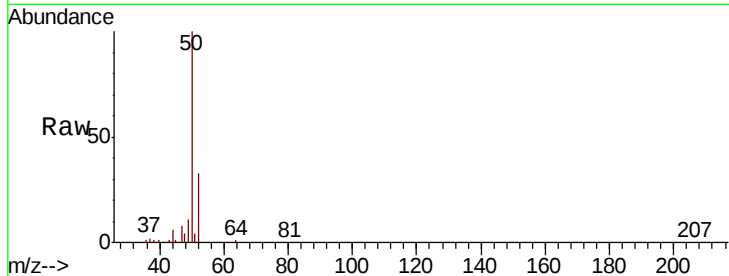
VN0803WBSD01

Tot Ion: 50 Resp: 129658

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 15.72 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050308.D

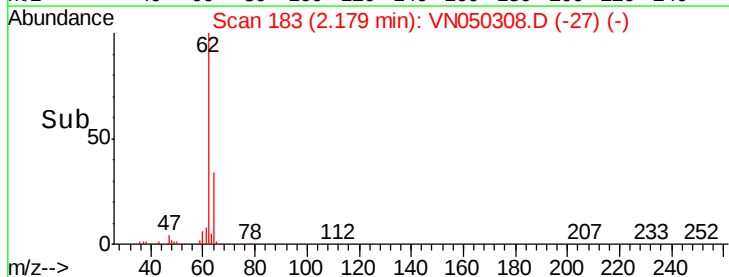
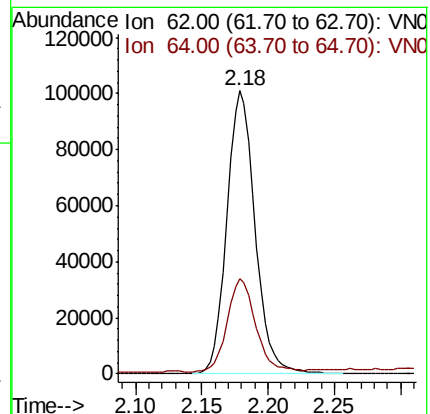
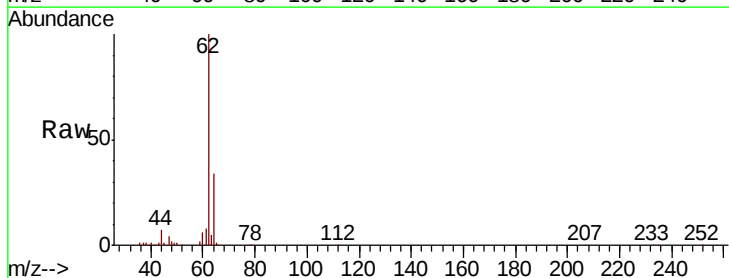
Acq: 3 Aug 2018 12:27

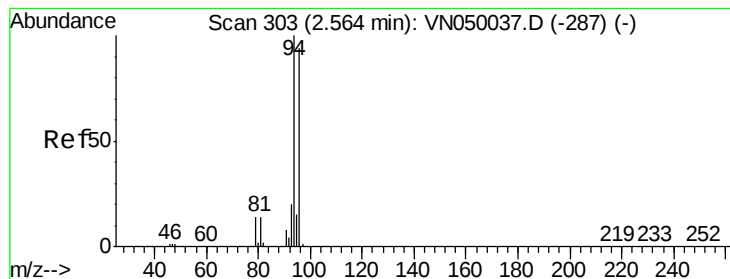
Tgt Ion: 62 Resp: 149643

Ion Ratio Lower Upper

62 100

64 32.8 24.4 36.6





#5

Bromomethane

Concen: 7.03 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

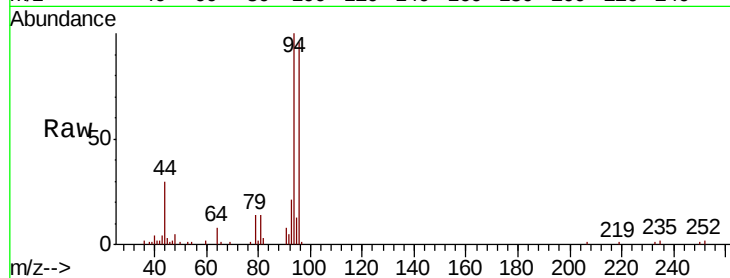
VN0803WBSD01

Tot Ion: 94 Resp: 40781

Ion Ratio Lower Upper

94 100

96 96.4 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

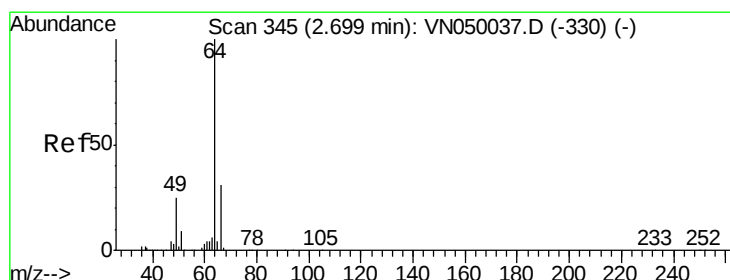
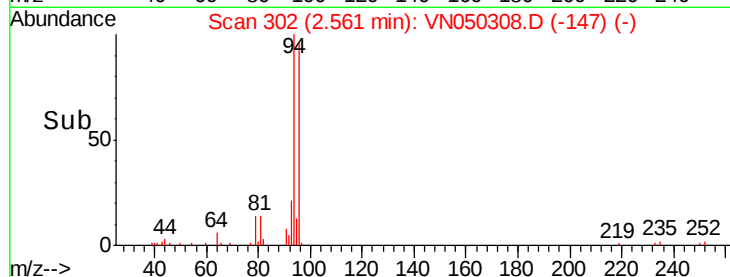
15000

10000

5000

0

Time--> 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 16.12 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050308.D

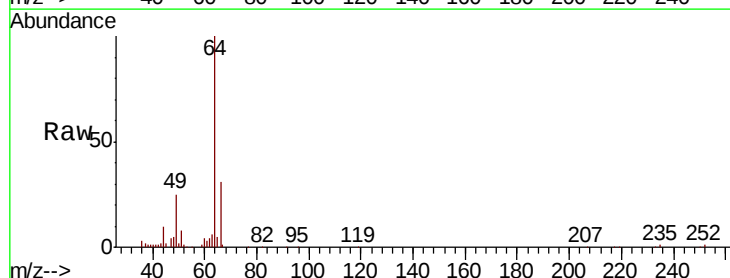
Acq: 3 Aug 2018 12:27

Tgt Ion: 64 Resp: 90775

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

50000

40000

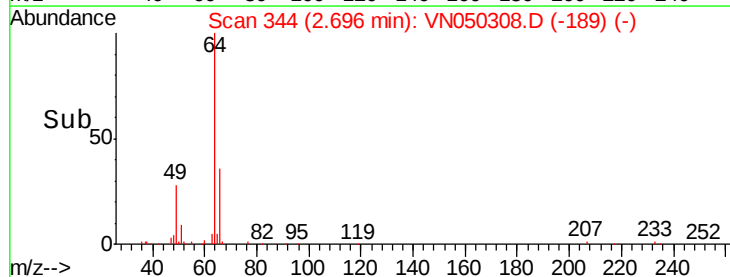
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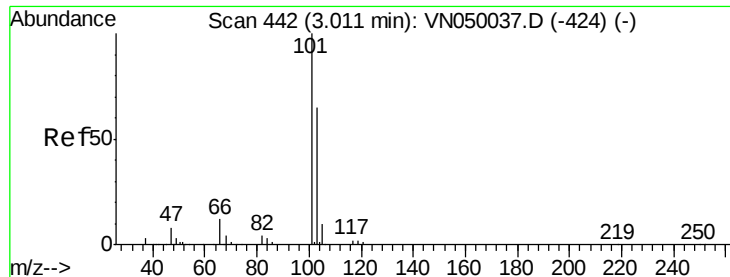
20000

10000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

Trichlorofluoromethane

Concen: 16.46 ug/l

RT: 3.01 min Scan# 441

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

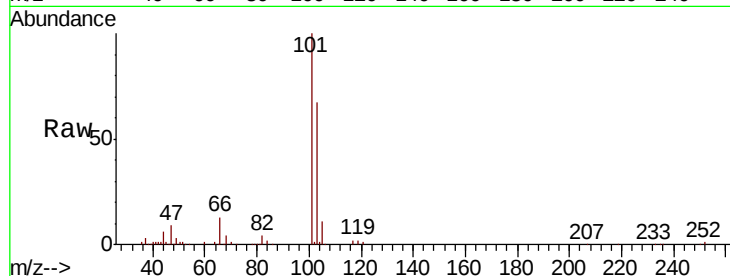
VN0803WBSD01

Tot Ion:101 Resp: 204763

Ion Ratio Lower Upper

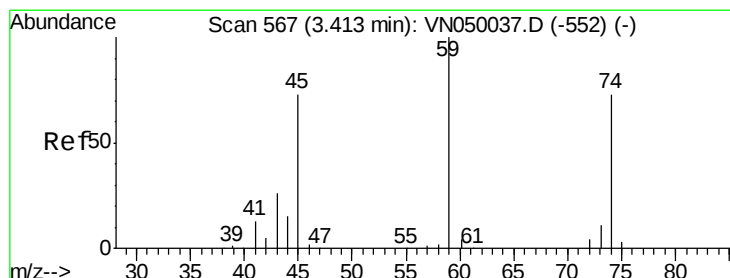
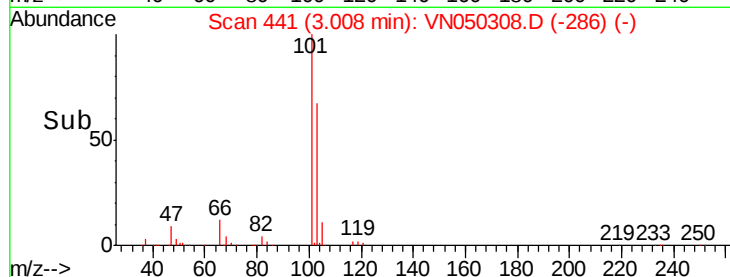
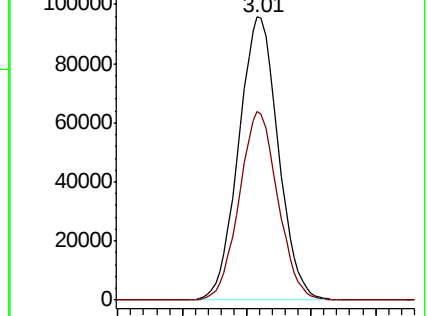
101 100

103 66.5 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.55 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050308.D

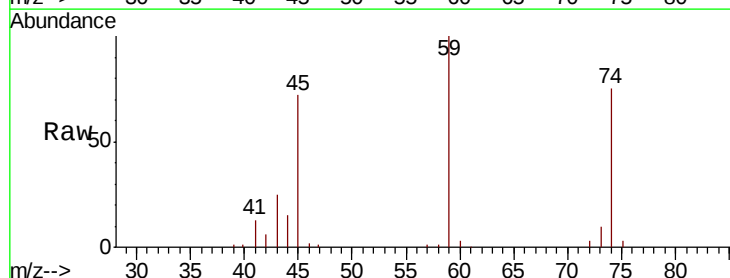
Acq: 3 Aug 2018 12:27

Tgt Ion: 74 Resp: 77395

Ion Ratio Lower Upper

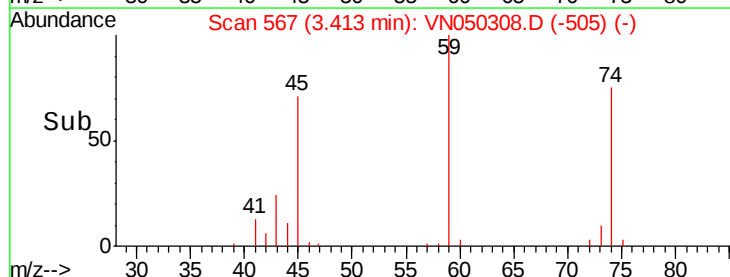
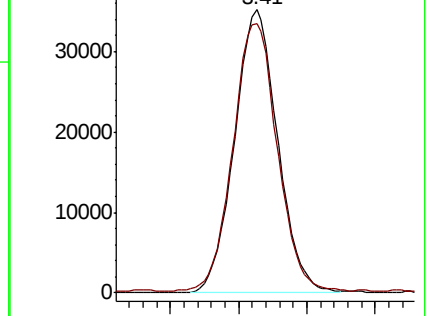
74 100

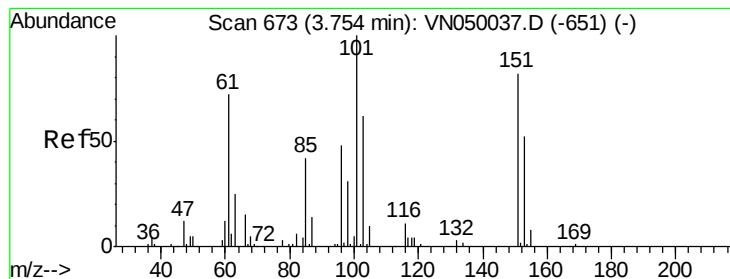
45 98.5 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.85 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

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ClientSampleId :

VN0803WBSD01

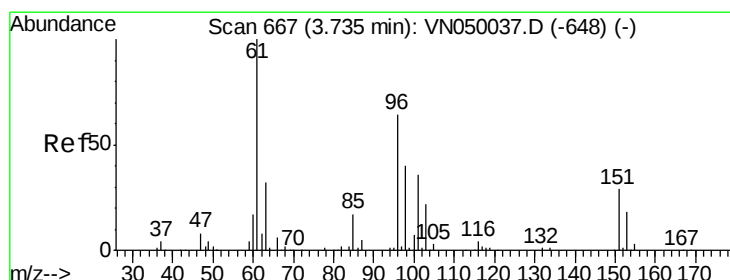
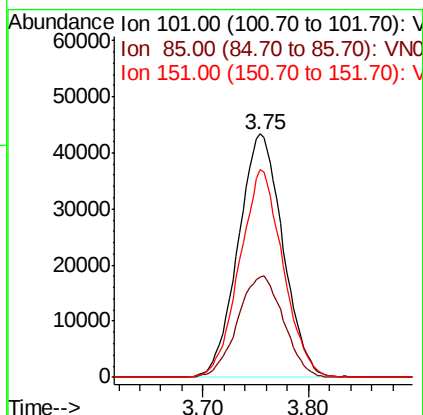
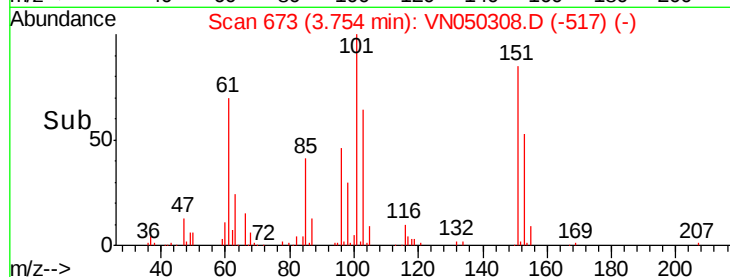
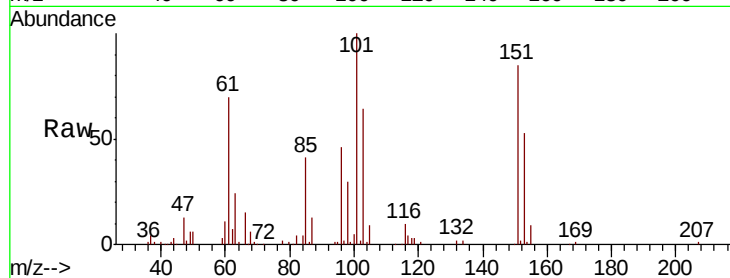
Tot Ion:101 Resp: 127499

Ion Ratio Lower Upper

101 100

85 42.8 0.0 83.0

151 83.0 0.0 166.8



#10

1,1-Dichloroethene

Concen: 16.39 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

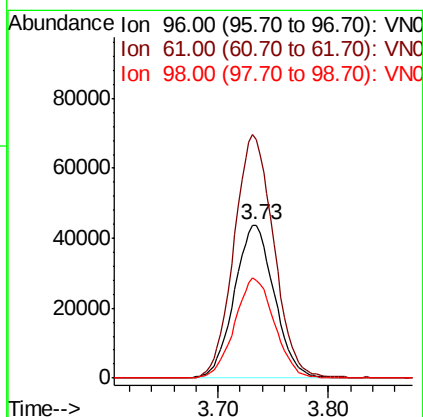
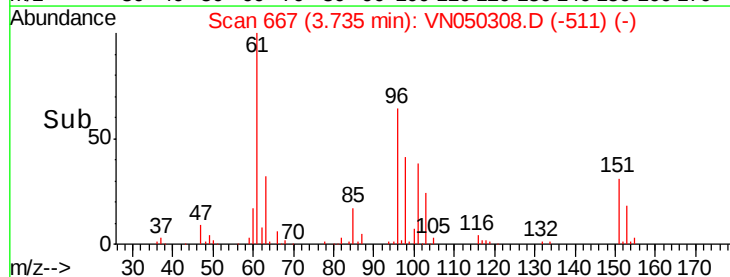
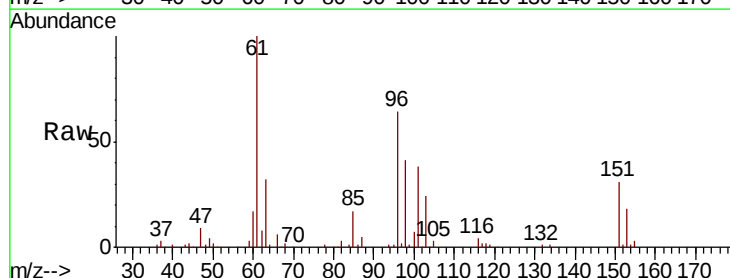
Tgt Ion: 96 Resp: 109985

Ion Ratio Lower Upper

96 100

61 155.4 130.6 195.8

98 63.8 53.5 80.3

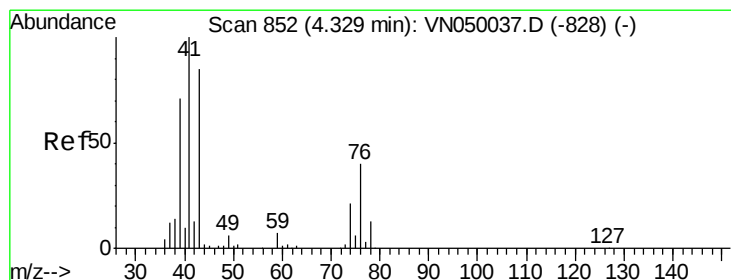
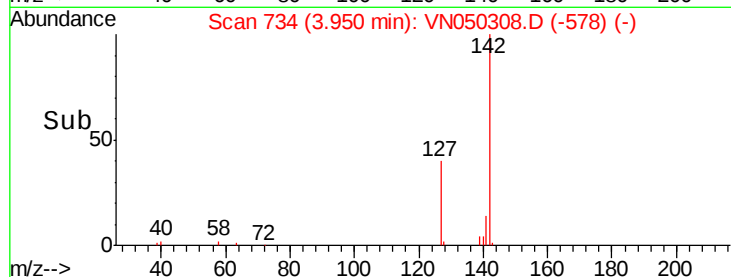
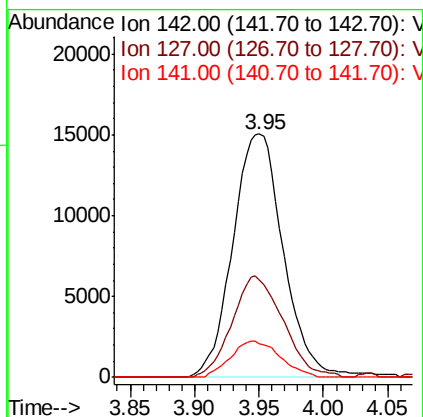
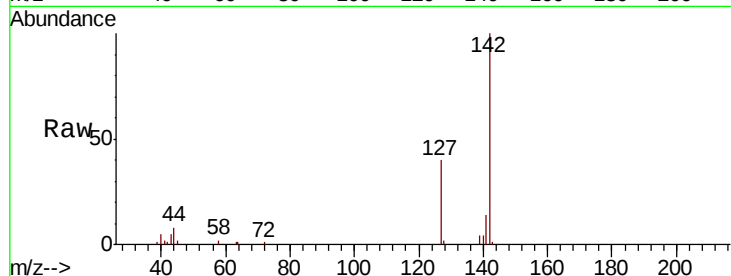




#11
Methyl Iodide
Concen: 4.13 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

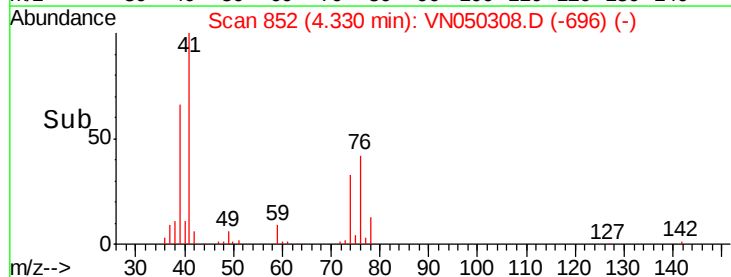
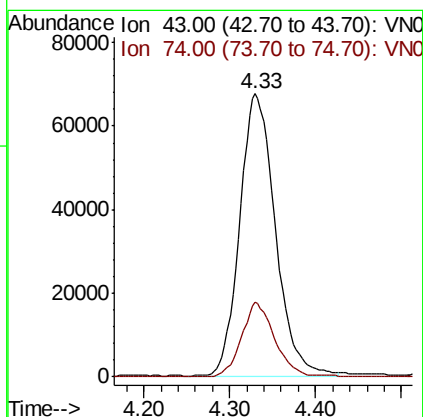
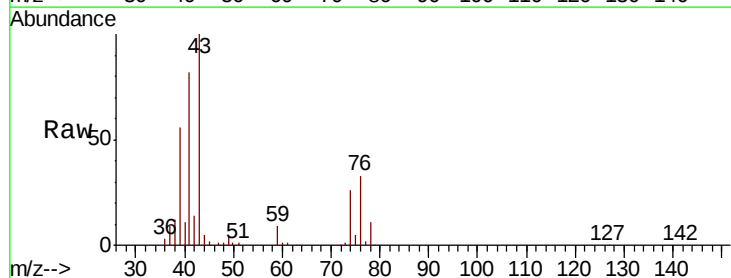
Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

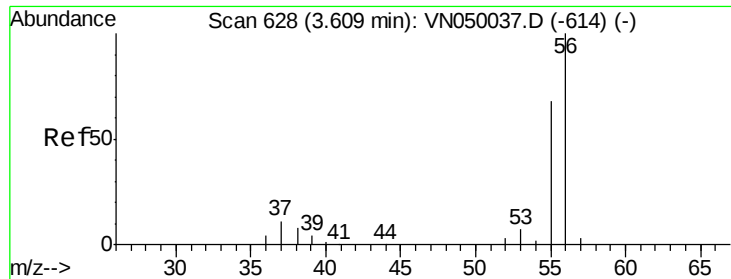
Tot Ion:142 Resp: 40814
Ion Ratio Lower Upper
142 100
127 40.1 20.2 60.5
141 13.0 6.9 20.6



#12
Methyl Acetate
Concen: 25.30 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion: 43 Resp: 194456
Ion Ratio Lower Upper
43 100
74 26.4 19.3 28.9





#13

Acrolein

Concen: 28.30 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

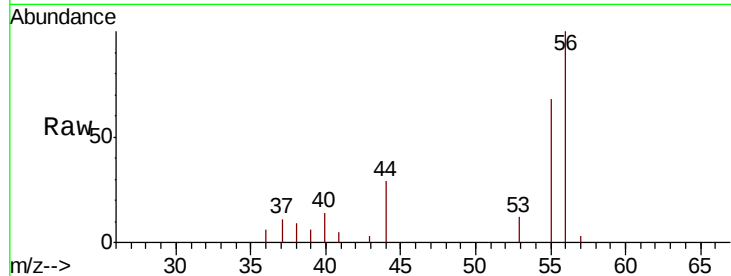
VN0803WBSD01

Tot Ion: 56 Resp: 13442

Ion Ratio Lower Upper

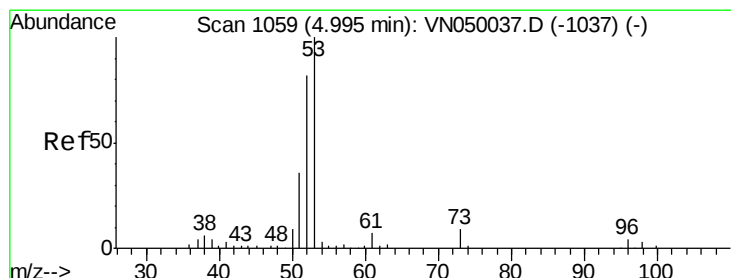
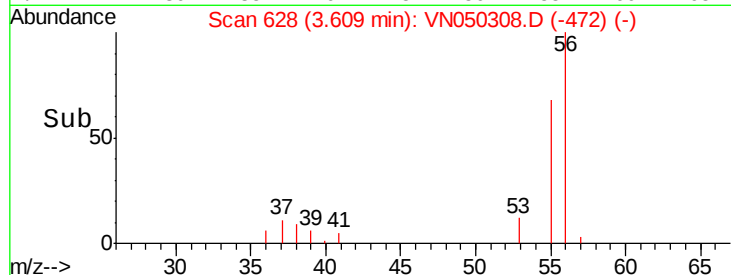
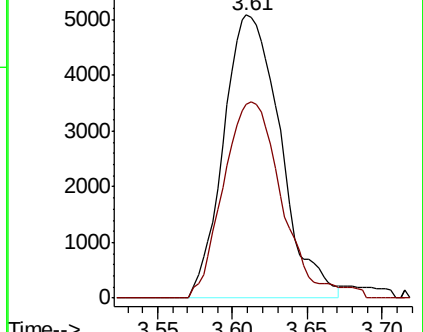
56 100

55 68.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.91 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

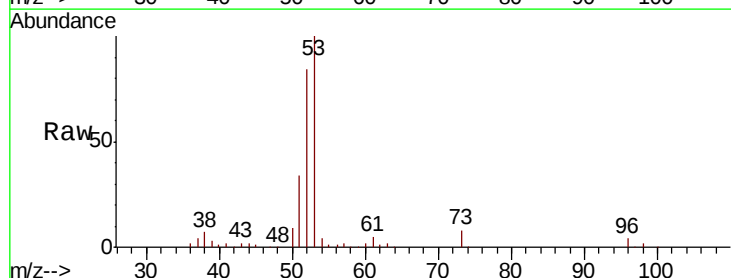
Tgt Ion: 53 Resp: 256276

Ion Ratio Lower Upper

53 100

52 82.0 41.5 124.5

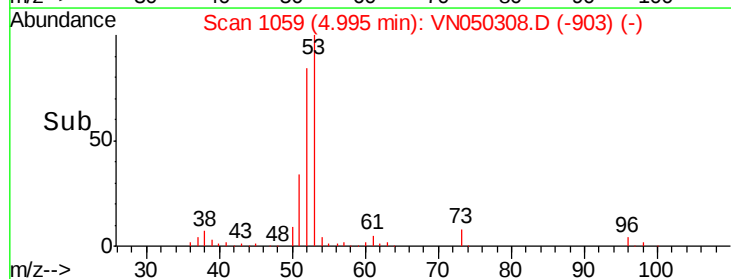
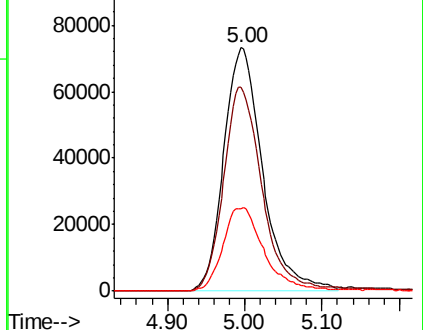
51 36.2 18.7 56.1

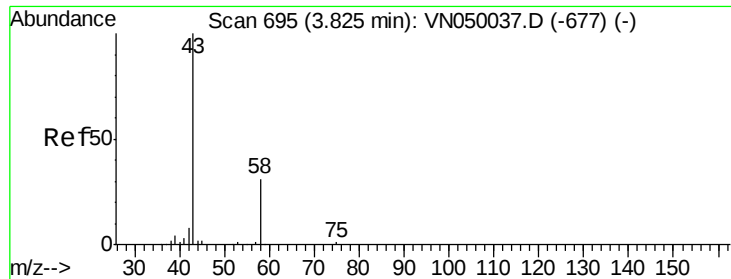


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 98.45 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

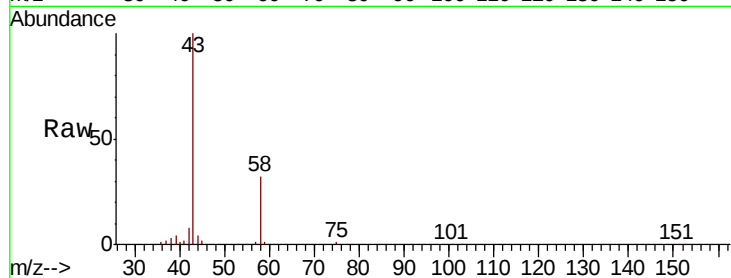
VN0803WBSD01

Tot Ion: 58 Resp: 67109

Ion Ratio Lower Upper

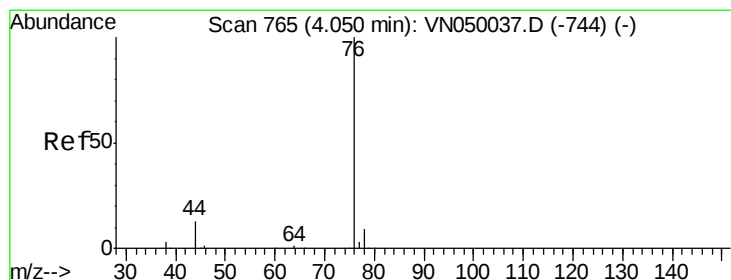
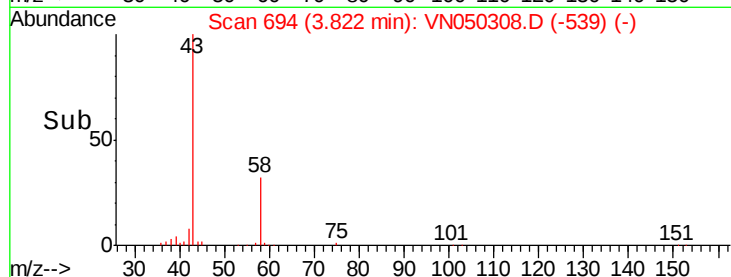
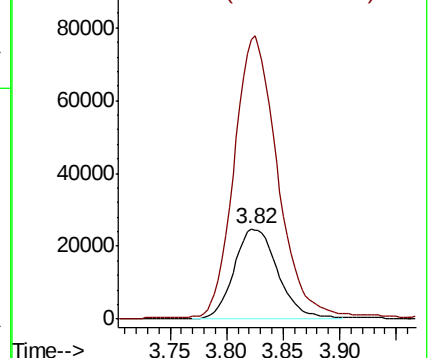
58 100

43 308.2 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 14.22 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050308.D

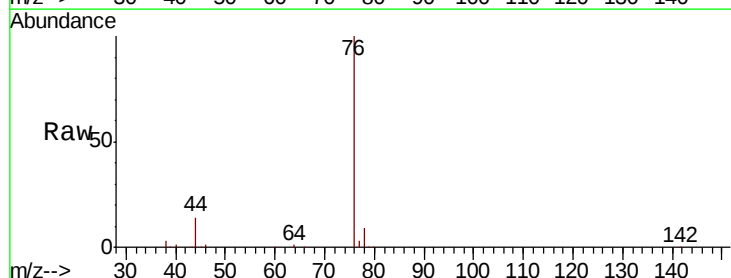
Acq: 3 Aug 2018 12:27

Tgt Ion: 76 Resp: 291924

Ion Ratio Lower Upper

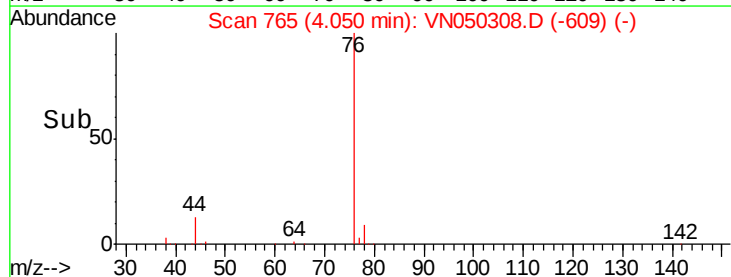
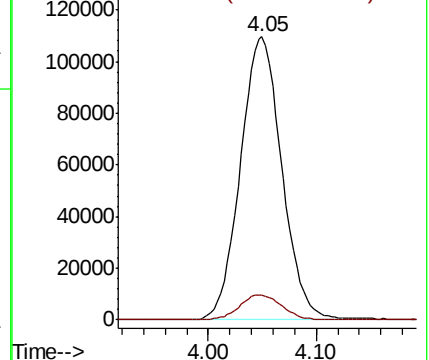
76 100

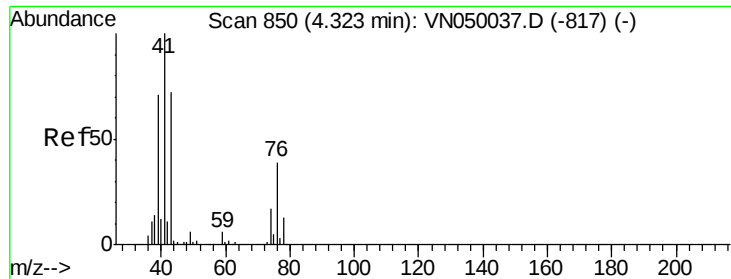
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

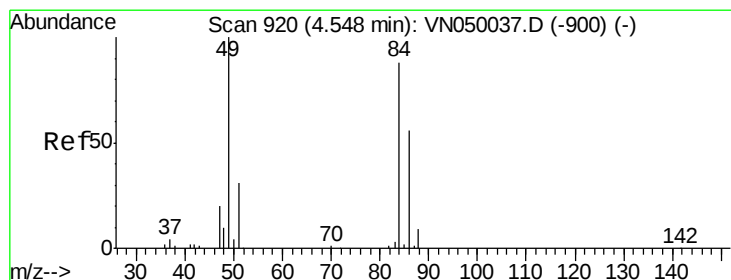
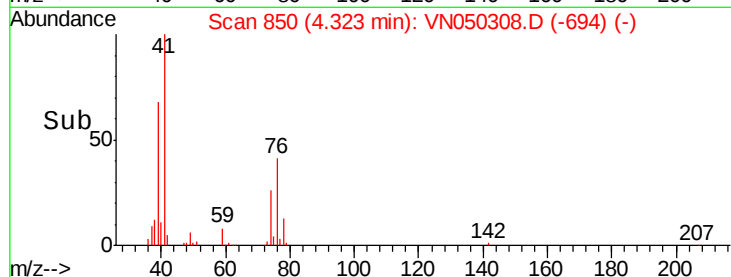
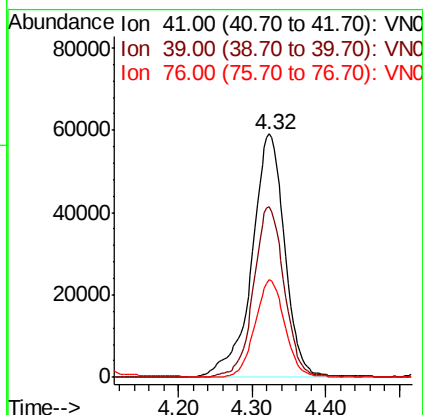
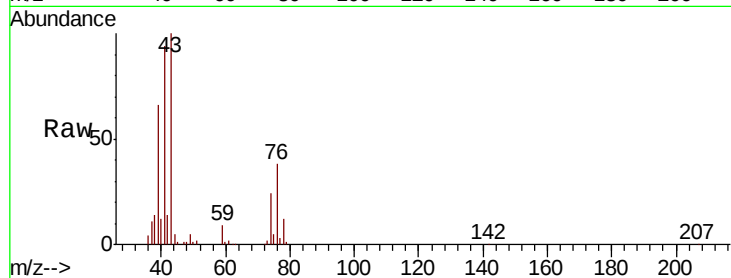




#17
Allvl chloride
Concen: 17.29 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

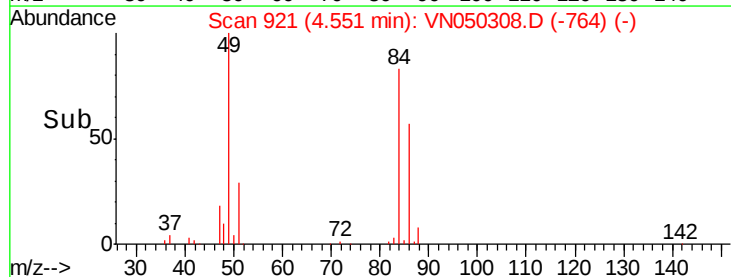
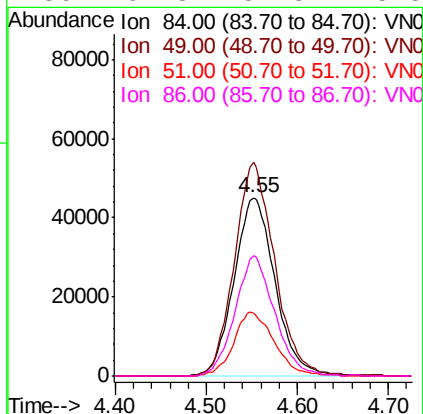
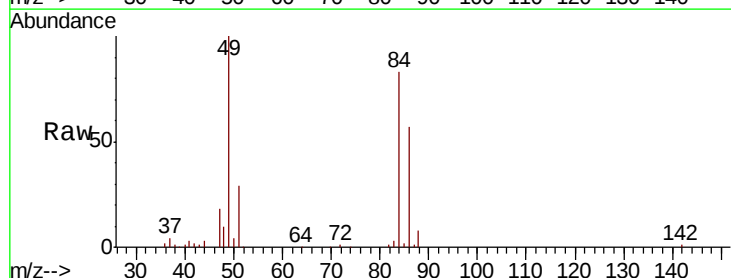
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

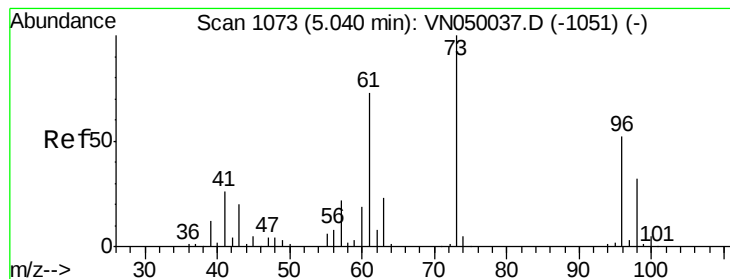
Tot Ion: 41 Resp: 183273
Ion Ratio Lower Upper
41 100
39 70.2 35.4 106.3
76 40.0 19.7 59.1



#18
Methylene Chloride
Concen: 18.19 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion: 84 Resp: 140876
Ion Ratio Lower Upper
84 100
49 119.8 95.1 142.7
51 35.2 28.8 43.2
86 67.8 52.3 78.5





#19

trans-1,2-Dichloroethene

Concen: 16.56 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

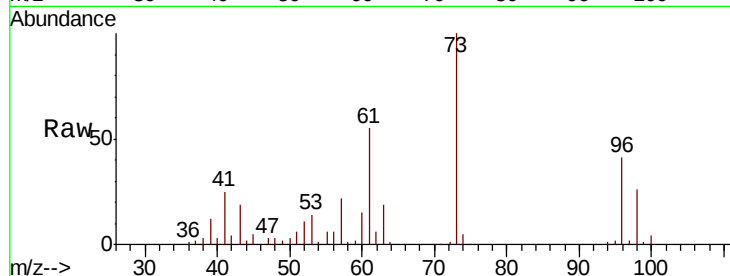
Tot Ion: 96 Resp: 118936

Ion Ratio Lower Upper

96 100

61 134.1 112.1 168.1

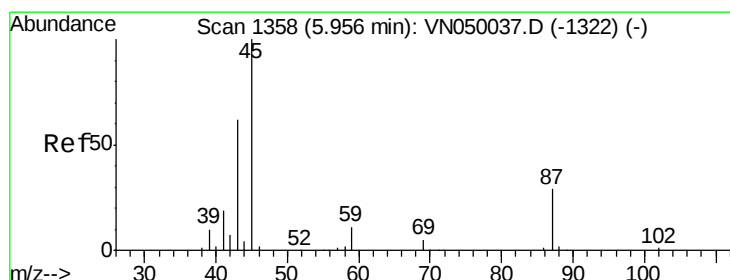
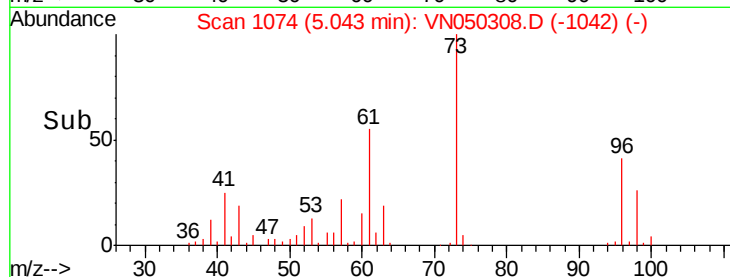
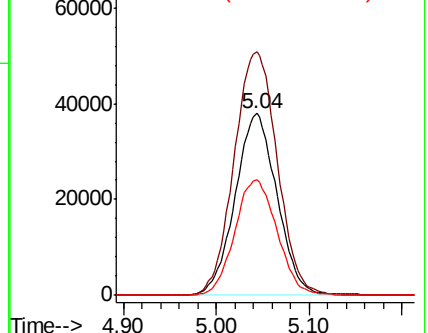
98 63.7 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1051) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1051) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1051) (-)



#20

Diisopropyl ether

Concen: 19.13 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion: 45 Resp: 415662

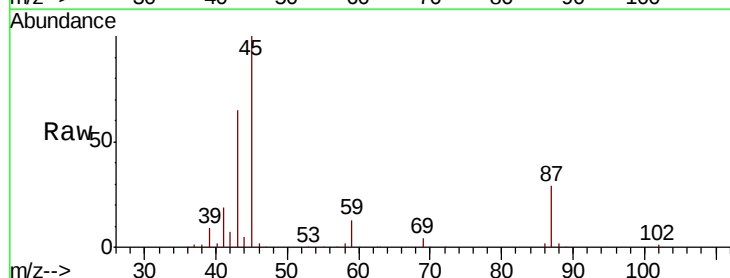
Ion Ratio Lower Upper

45 100

43 63.6 46.6 70.0

87 29.0 22.3 33.5

59 12.7 9.5 14.3

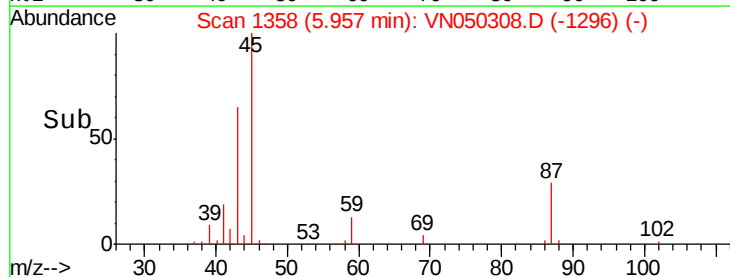
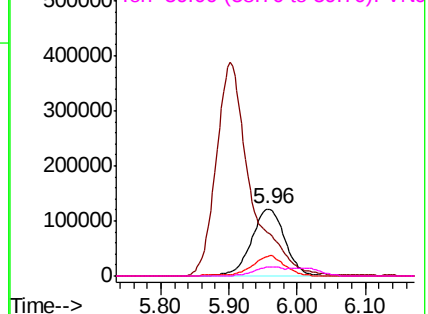


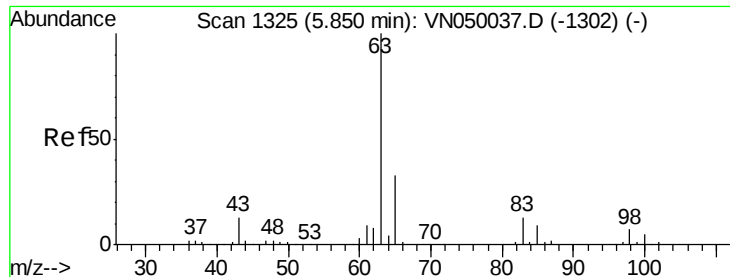
Abundance Ion 45.00 (44.70 to 45.70): VN050037.D (-1322) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-1322) (-)

Ion 87.00 (86.70 to 87.70): VN050037.D (-1322) (-)

Ion 59.00 (58.70 to 59.70): VN050037.D (-1322) (-)

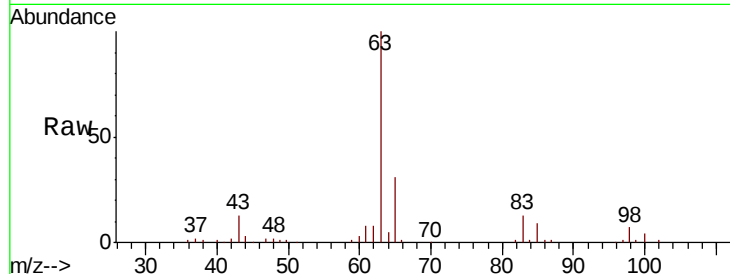




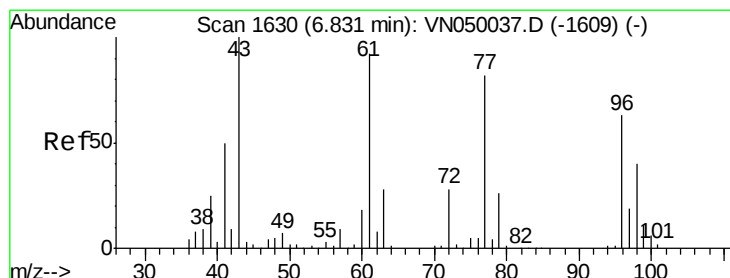
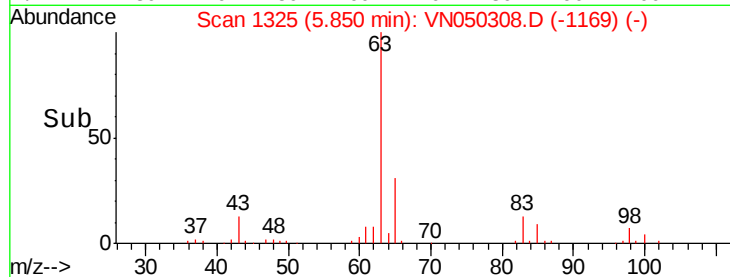
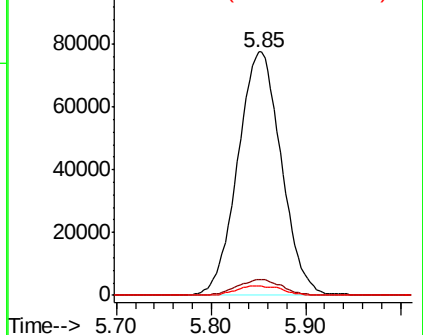
#21
 1,1-Dichloroethane
 Concen: 18.10 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Tot Ion: 63 Resp: 247319
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.6
 100 3.8 2.3 6.8

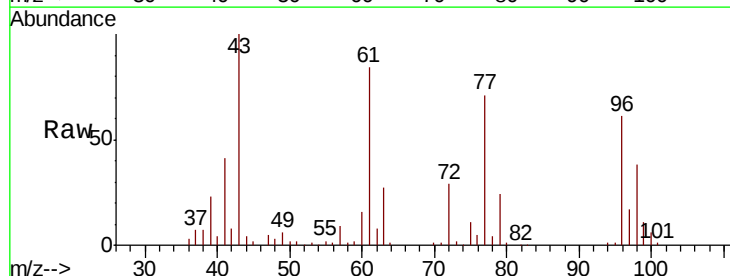


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

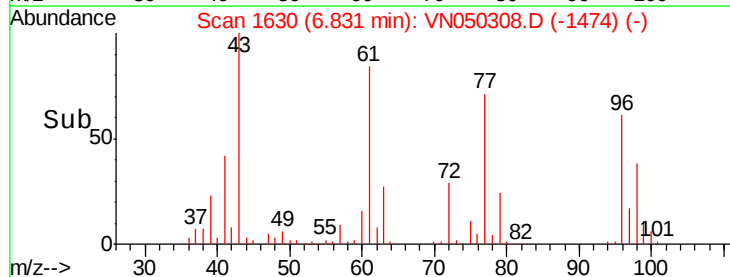
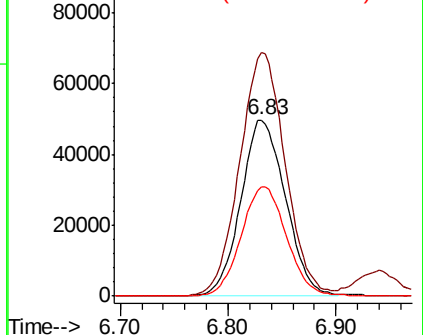


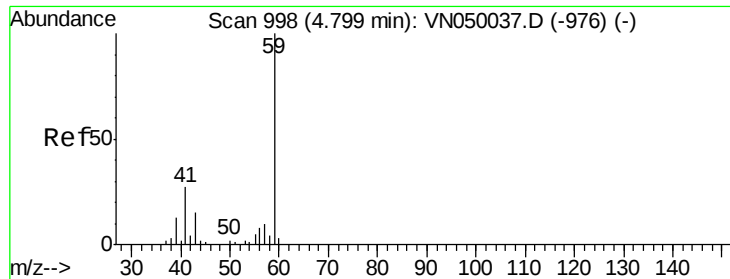
#22
 cis-1,2-Dichloroethene
 Concen: 18.00 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion: 96 Resp: 143388
 Ion Ratio Lower Upper
 96 100
 61 140.9 114.2 171.2
 98 62.8 51.7 77.5



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





#23

tert-Butyl Alcohol

Concen: 112.16 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

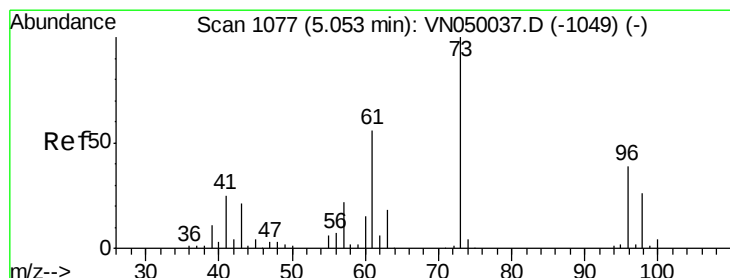
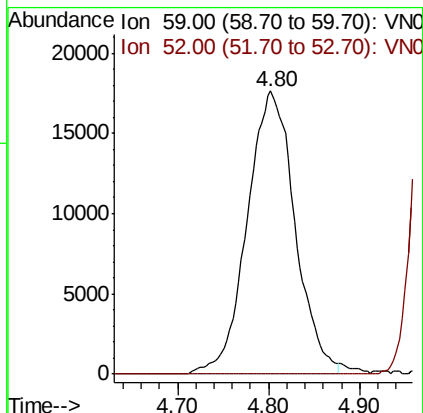
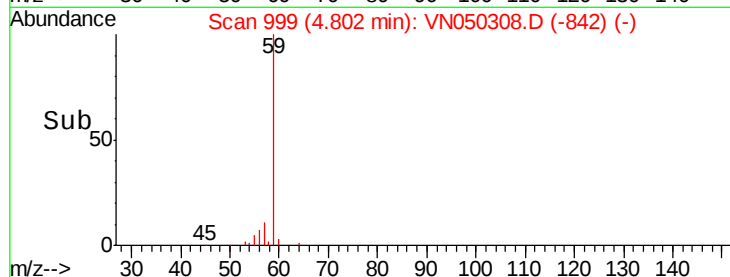
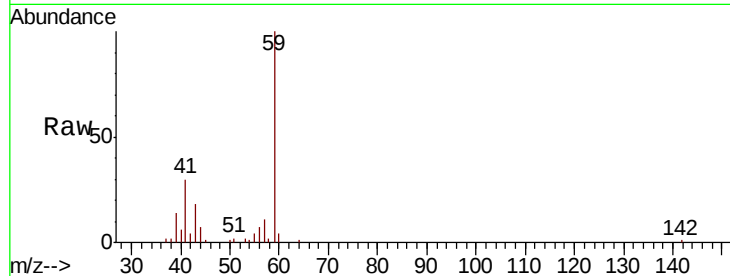
VN0803WBSD01

Tot Ion: 59 Resp: 64281

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 19.52 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050308.D

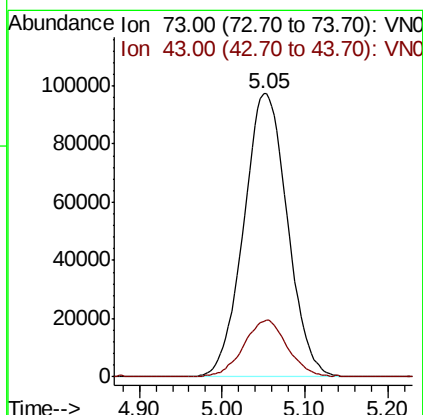
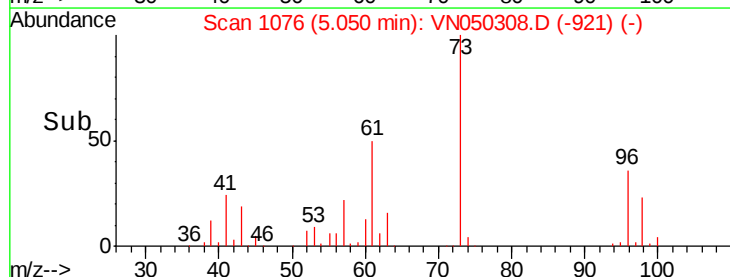
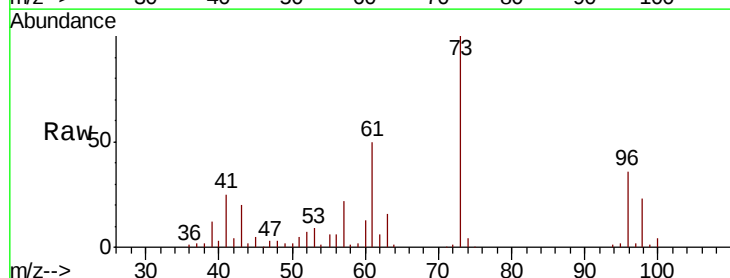
Acq: 3 Aug 2018 12:27

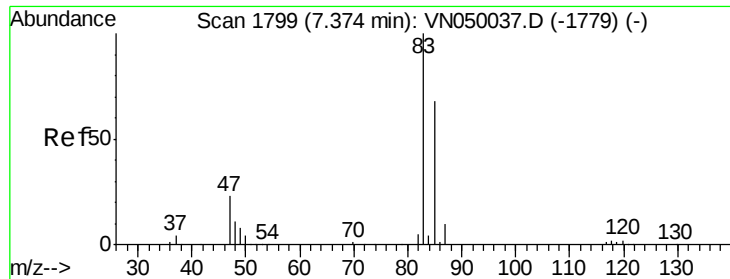
Tgt Ion: 73 Resp: 357146

Ion Ratio Lower Upper

73 100

43 20.1 15.5 23.3

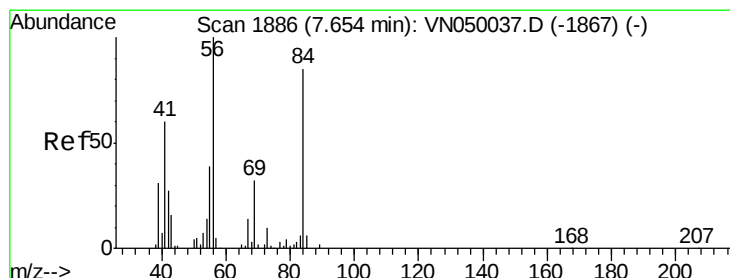
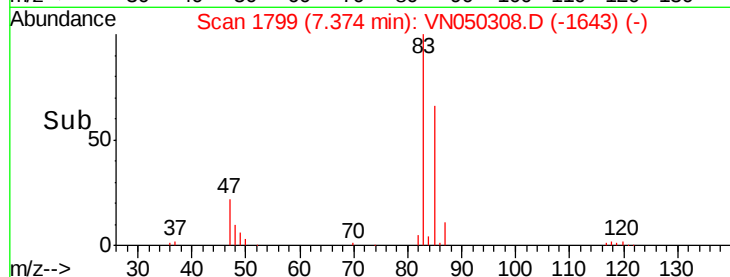
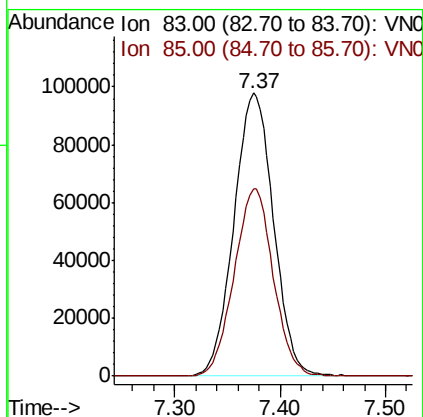
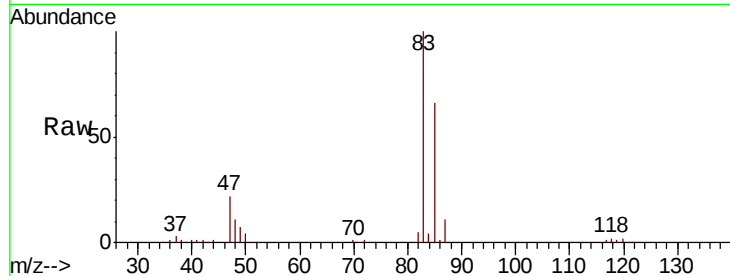




#25
Chloroform
Concen: 18.45 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

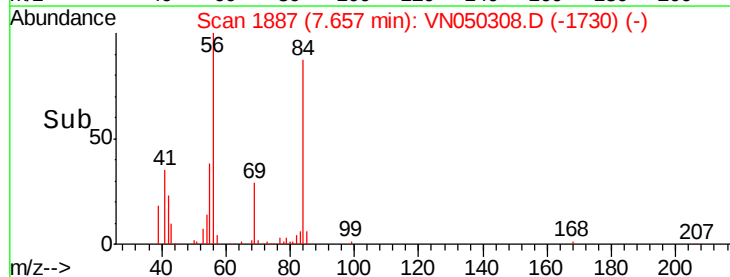
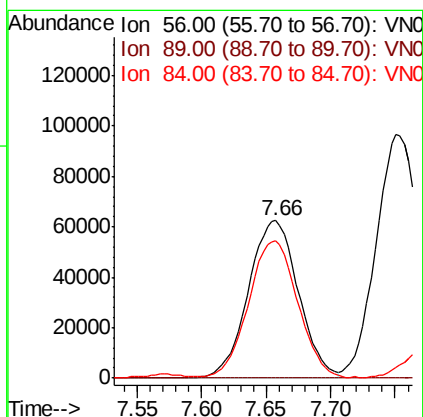
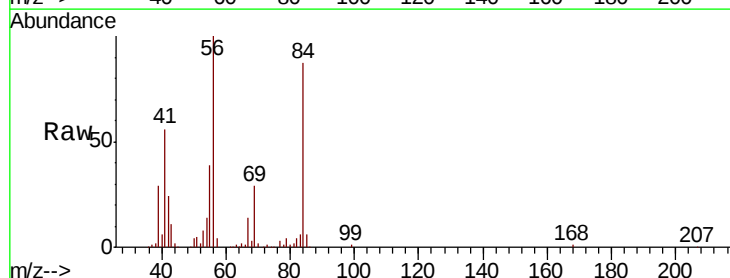
Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

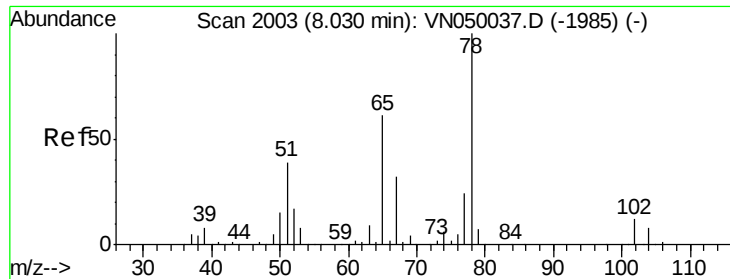
Tot Ion: 83 Resp: 255150
Ion Ratio Lower Upper
83 100
85 66.1 52.1 78.1



#26
Cyclohexane
Concen: 15.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion: 56 Resp: 168765
Ion Ratio Lower Upper
56 100
89 0.1 3.0 4.4#
84 85.9 69.8 104.8

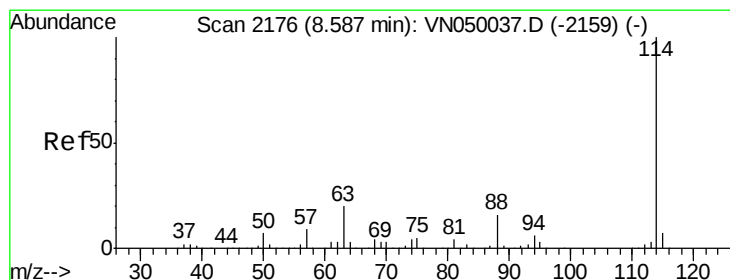
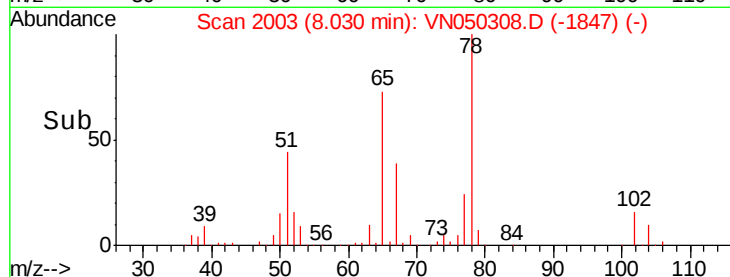
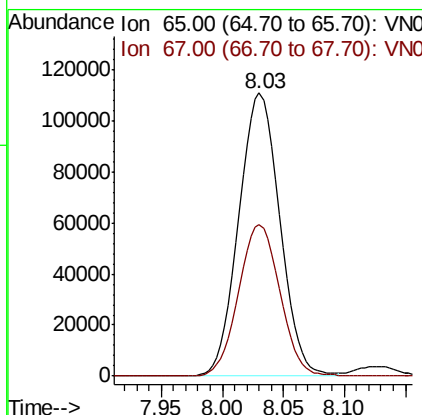
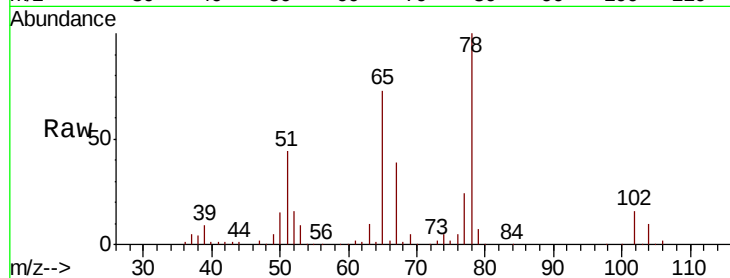




#27
 1,2-Dichloroethane-d4
 Concen: 30.25 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

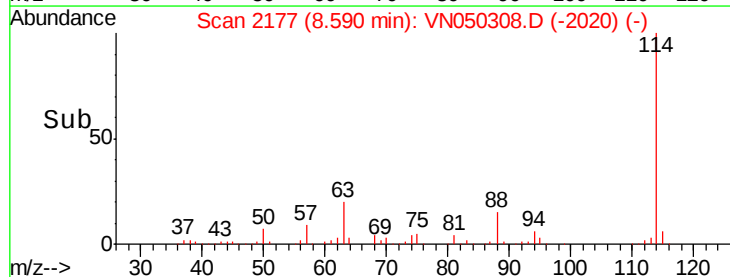
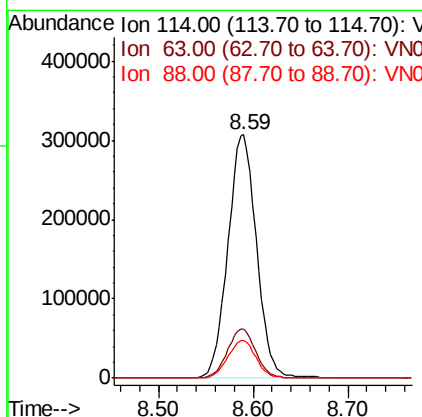
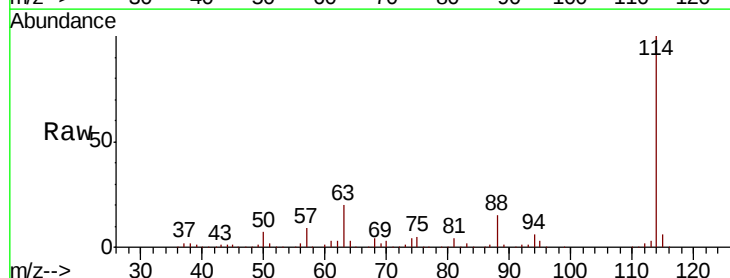
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

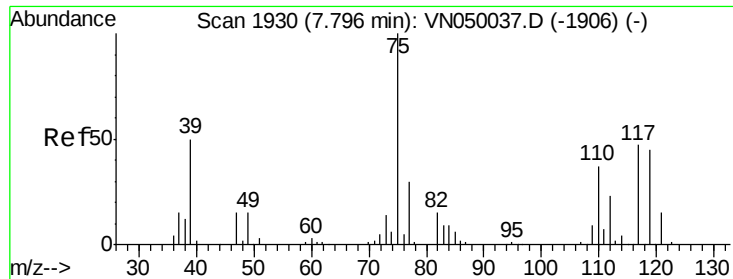
Tot Ion: 65 Resp: 258817
 Ion Ratio Lower Upper
 65 100
 67 53.9 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion: 114 Resp: 645518
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 15.3 12.3 18.5

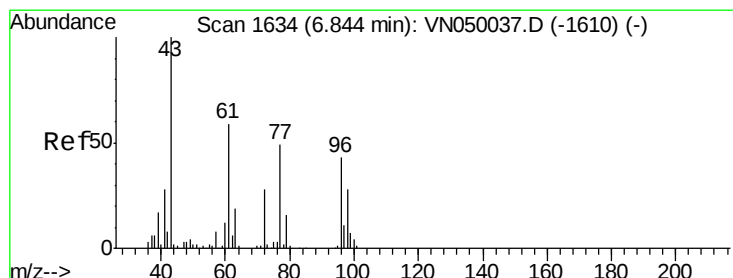
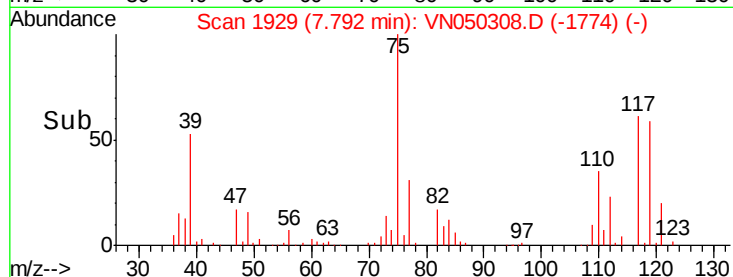
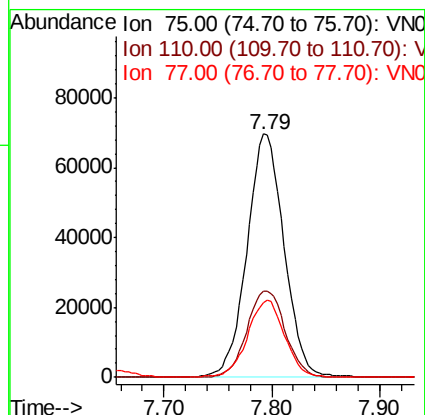
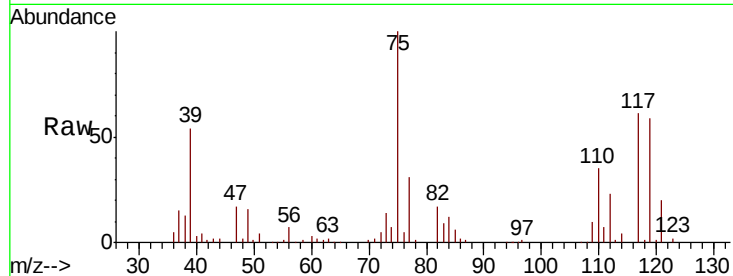




#29
 1,1-Dichloropropene
 Concen: 16.61 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

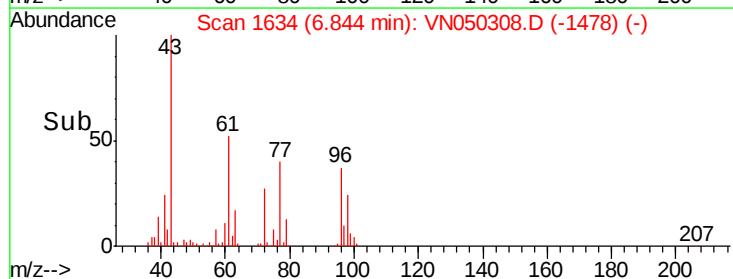
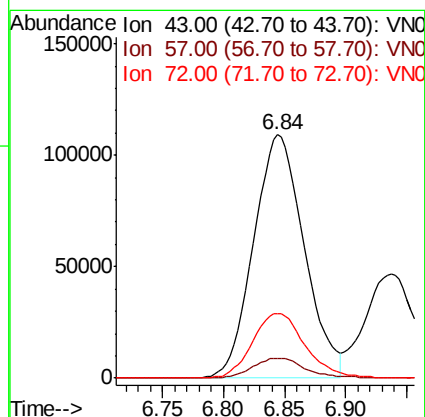
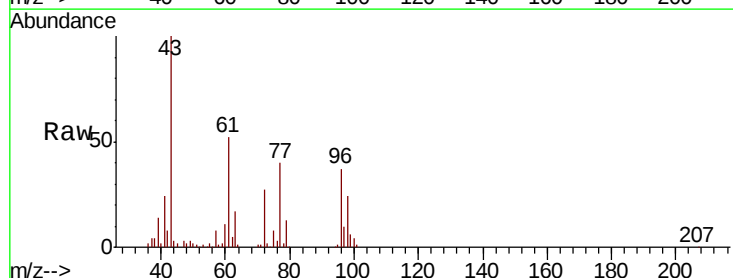
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

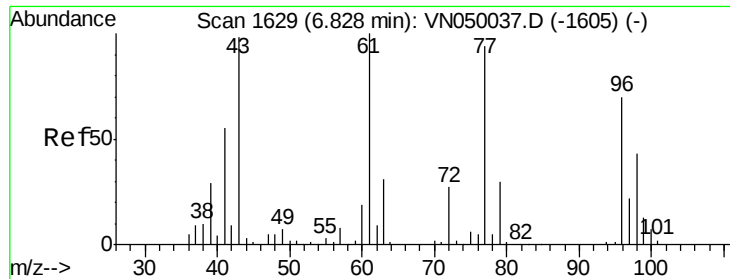
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	73.2
77	31.8	0.0	62.0



#30
 2-Butanone
 Concen: 99.63 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.8	10.2
72	27.6	21.4	32.0





#31

2,2-Dichloropropane

Concen: 17.10 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

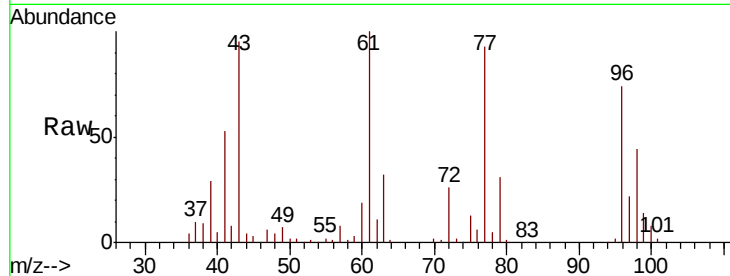
VN0803WBSD01

Tot Ion: 77 Resp: 189387

Ion Ratio Lower Upper

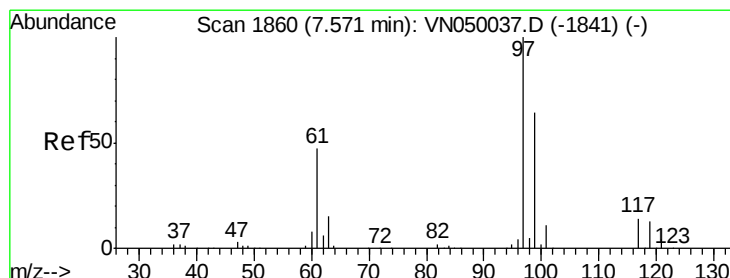
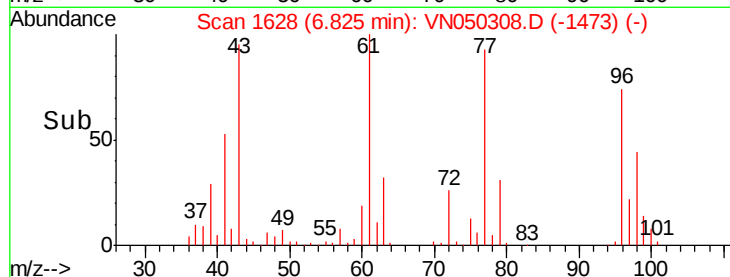
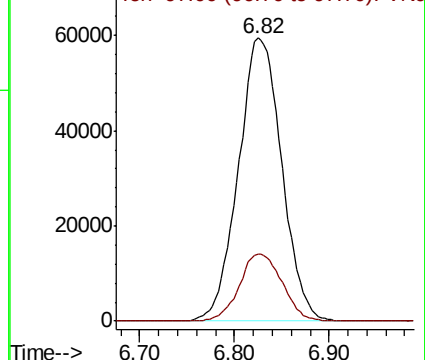
77 100

97 23.4 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.72 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

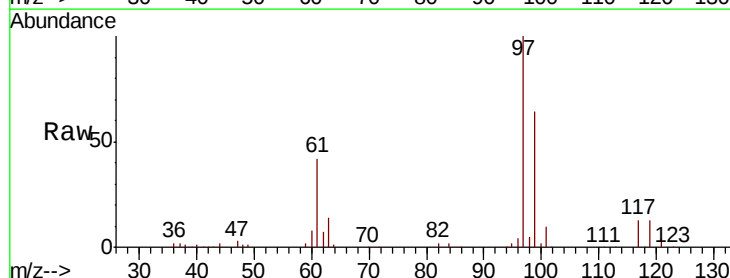
Tgt Ion: 97 Resp: 208899

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

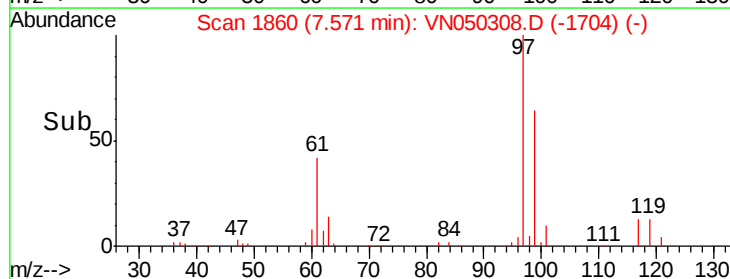
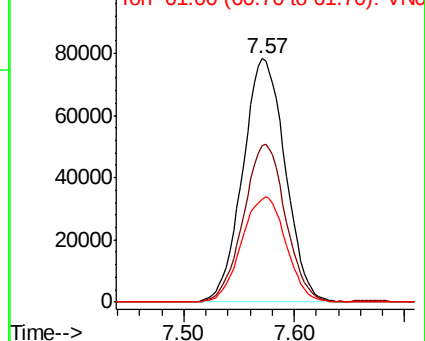
61 44.9 35.3 52.9

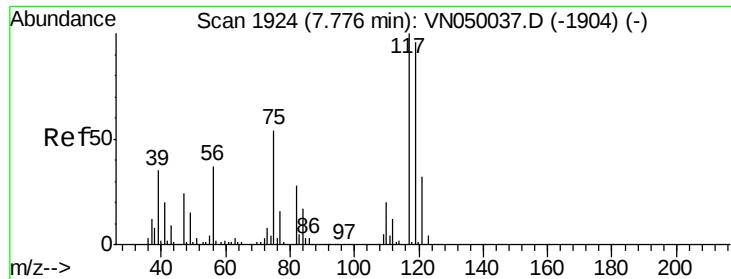


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

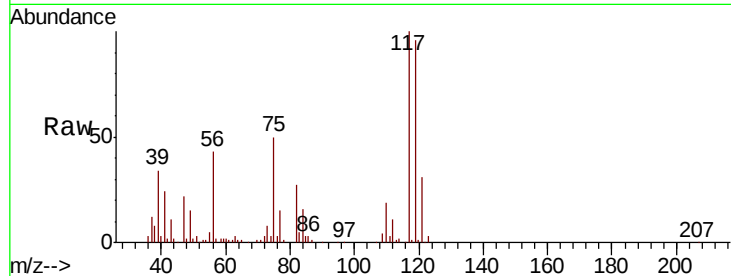




#33
Carbon Tetrachloride
Concen: 17.30 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.6	24.4	36.6

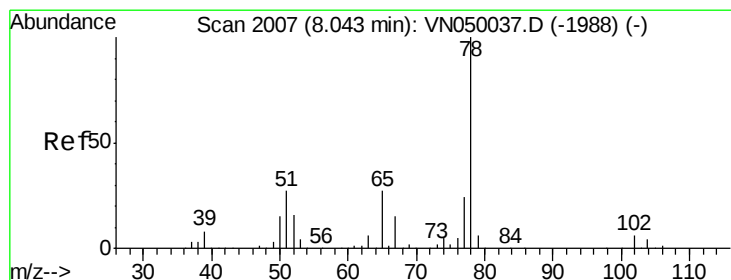
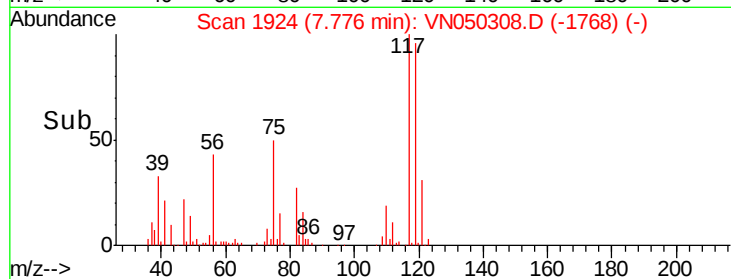
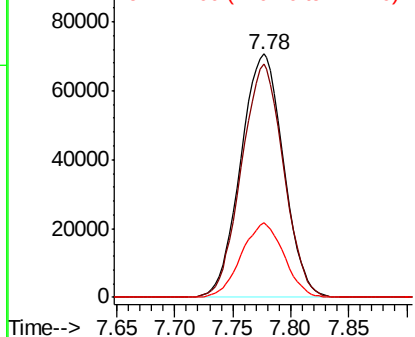


Abundance

Ion 117.00 (116.70 to 117.70): V

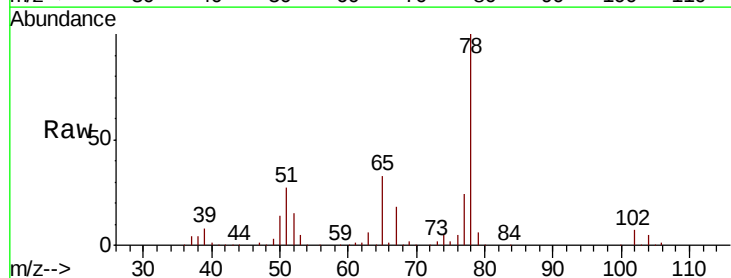
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 17.99 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7
51	27.2	21.0	31.4

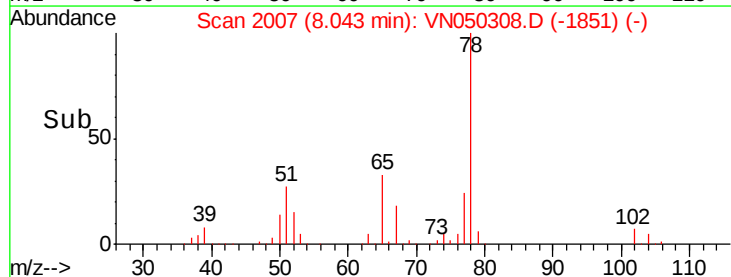
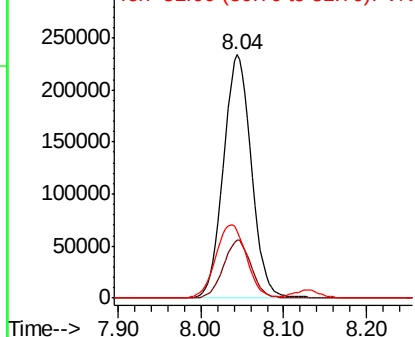


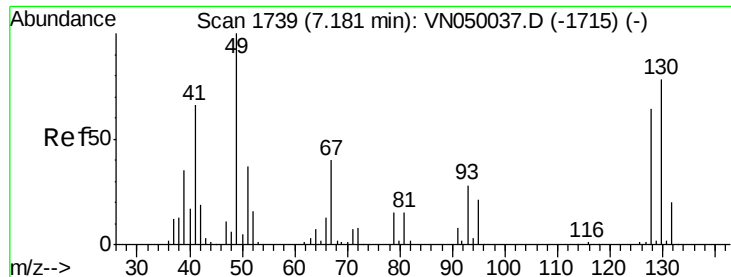
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

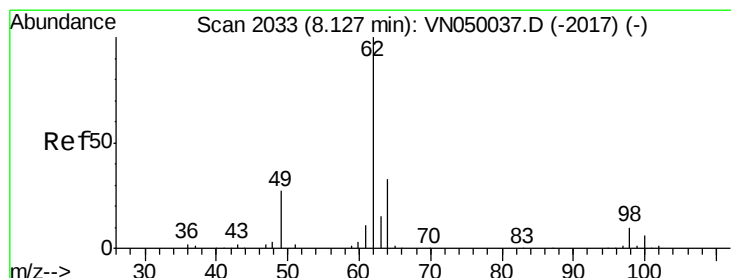
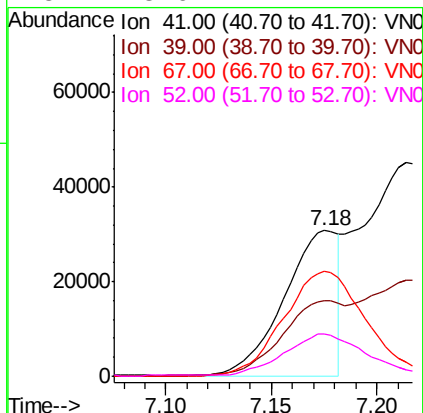
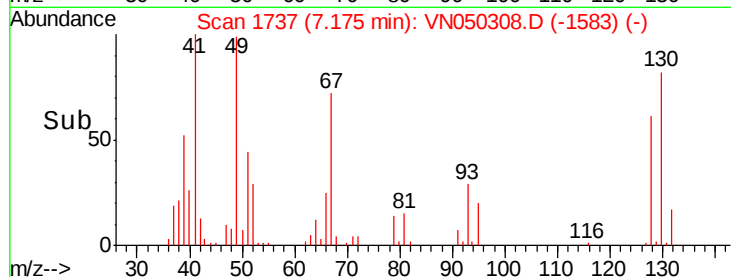
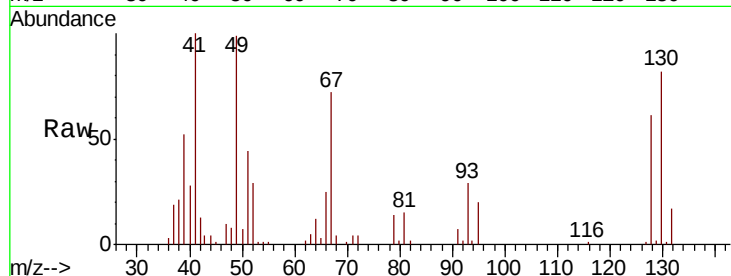




#35
Methacrylonitrile
Concen: 15.41 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

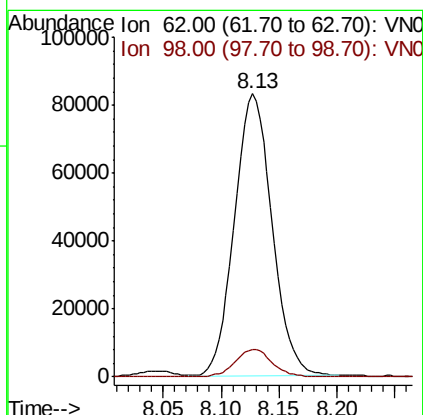
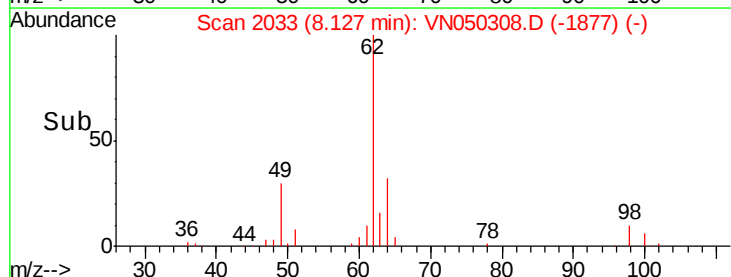
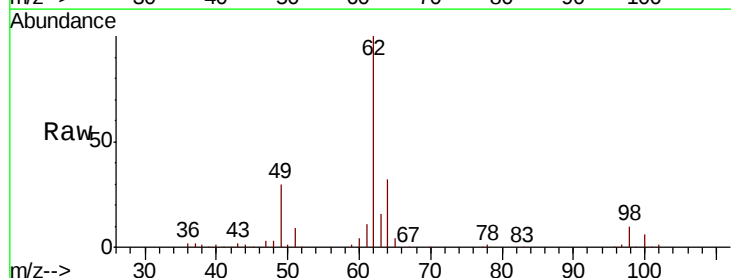
Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

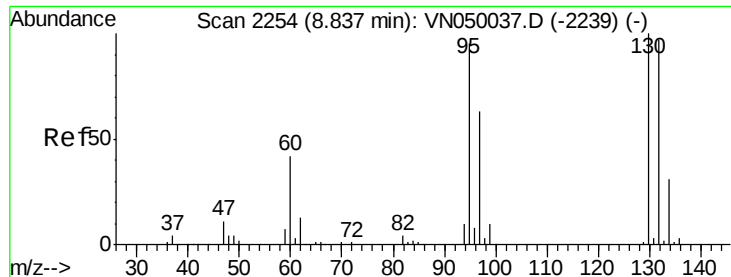
Tot Ion: 41 Resp: 55168
Ion Ratio Lower Upper
41 100
39 51.5 27.6 82.7
67 71.7 35.1 105.5
52 28.6 14.1 42.4



#36
1,2-Dichloroethane
Concen: 18.83 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion: 62 Resp: 188054
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.6





#37

Trichloroethene

Concen: 17.43 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

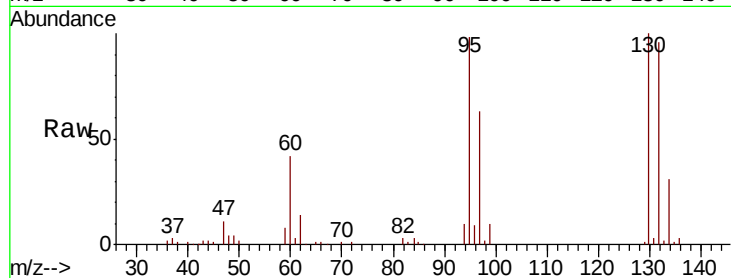
VN0803WBSD01

Tot Ion:130 Resp: 139098

Ion Ratio Lower Upper

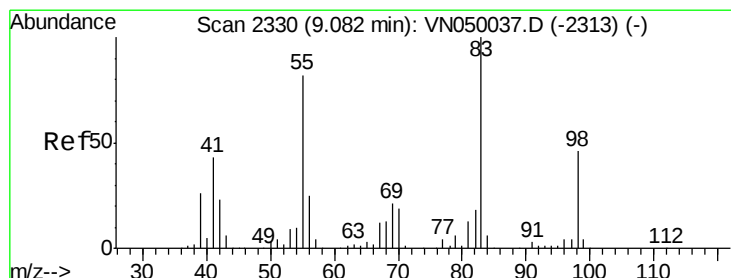
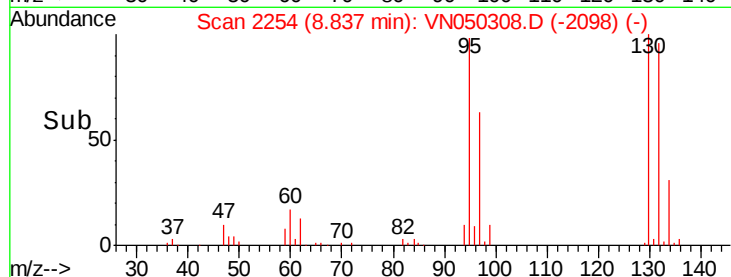
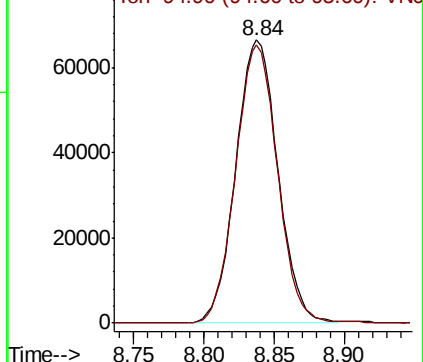
130 100

95 98.4 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 15.32 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

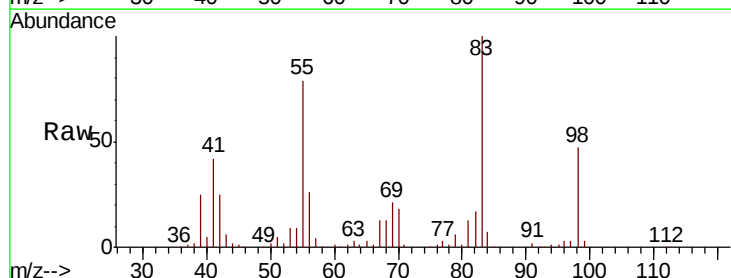
Tgt Ion: 83 Resp: 161837

Ion Ratio Lower Upper

83 100

55 77.9 39.3 117.8

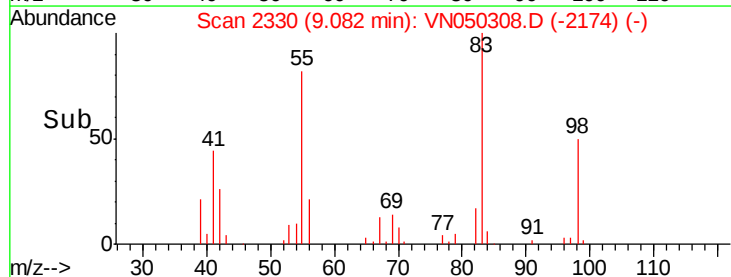
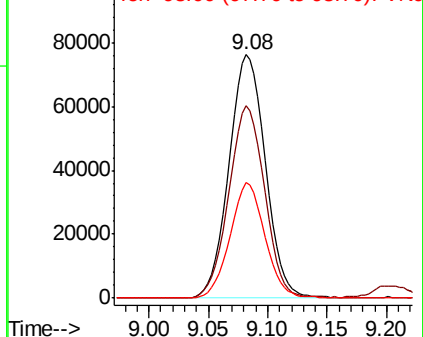
98 45.4 23.0 69.0

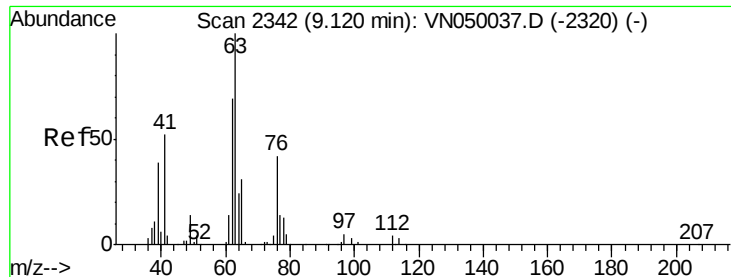


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 18.50 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

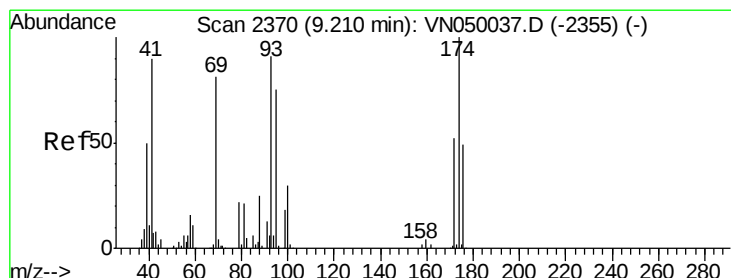
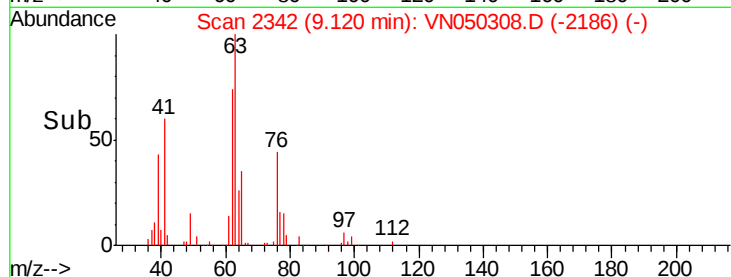
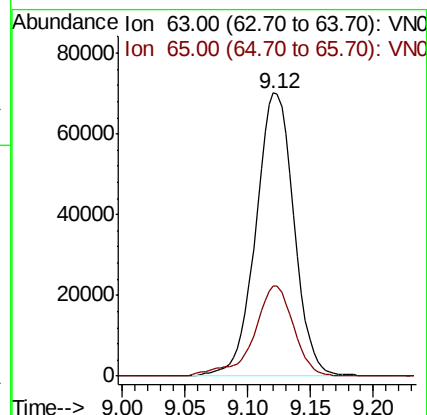
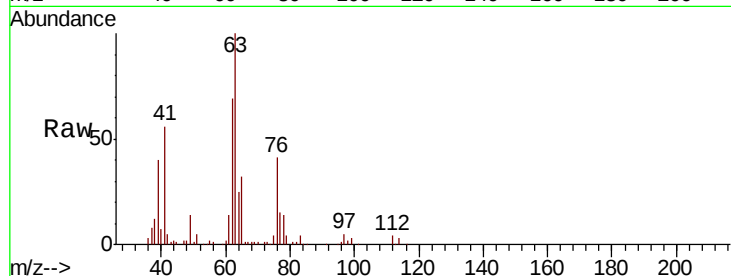
VN0803WBSD01

Tot Ion: 63 Resp: 148263

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.2



#40

Dibromomethane

Concen: 18.90 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

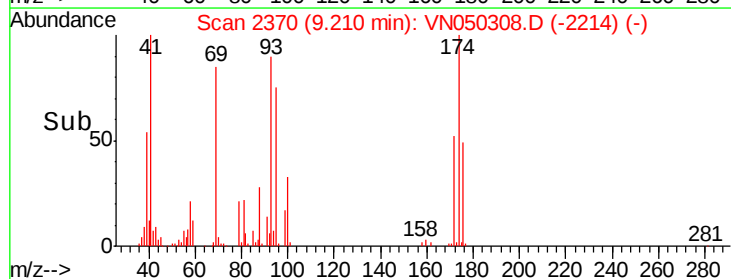
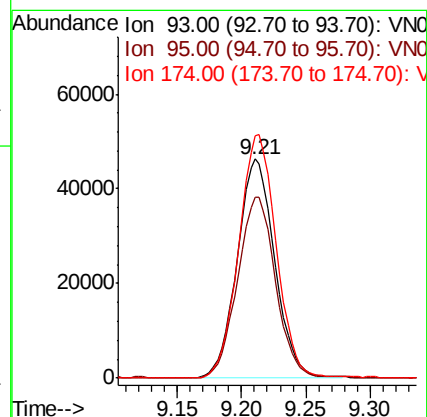
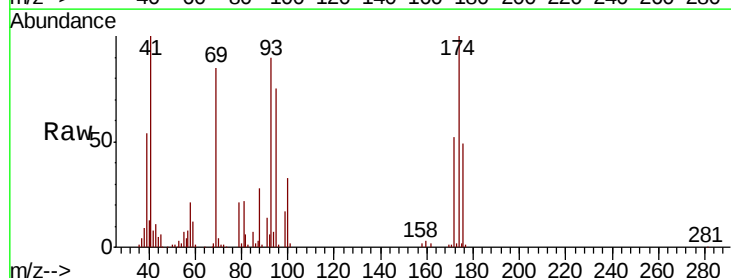
Tgt Ion: 93 Resp: 93628

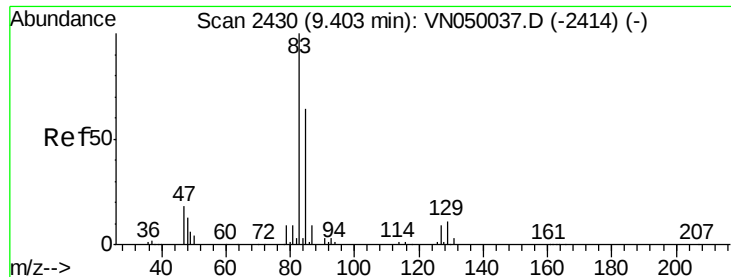
Ion Ratio Lower Upper

93 100

95 83.8 0.0 165.6

174 110.9 0.0 223.2





#41

Bromodichloromethane

Concen: 18.76 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

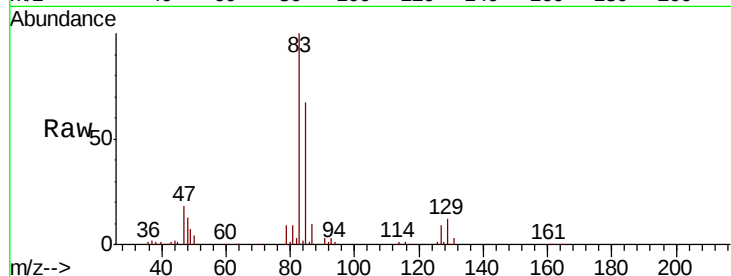
Tot Ion: 83 Resp: 196018

Ion Ratio Lower Upper

83 100

85 67.2 52.6 78.8

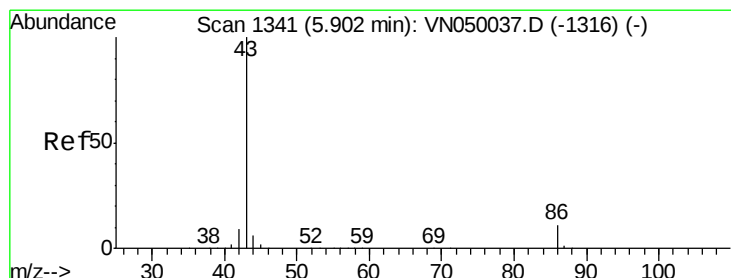
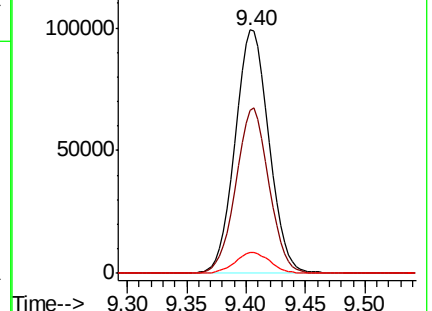
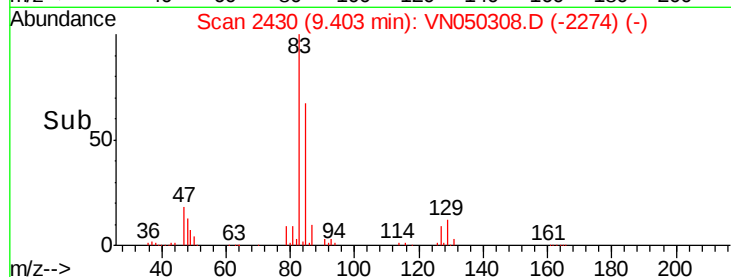
127 8.6 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 91.06 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050308.D

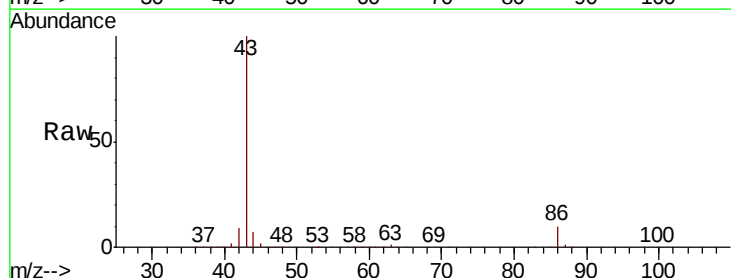
Acq: 3 Aug 2018 12:27

Tgt Ion: 43 Resp: 1347055

Ion Ratio Lower Upper

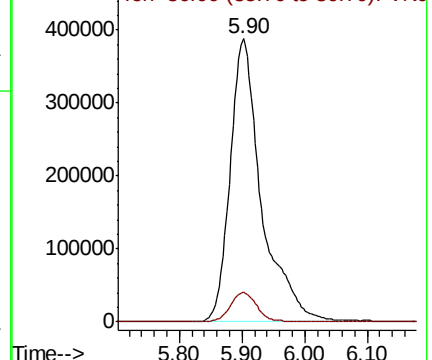
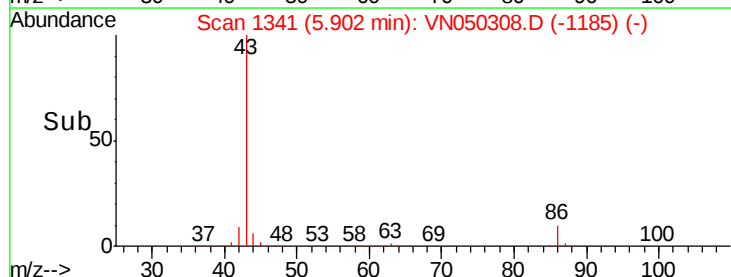
43 100

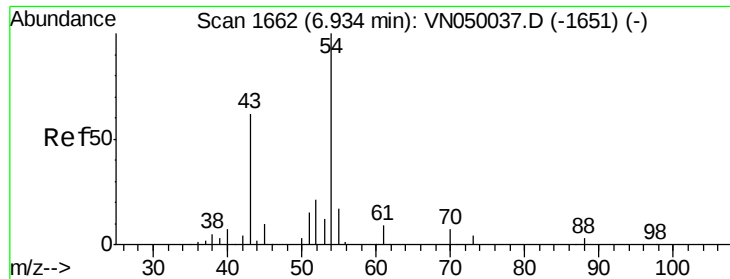
86 8.8 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

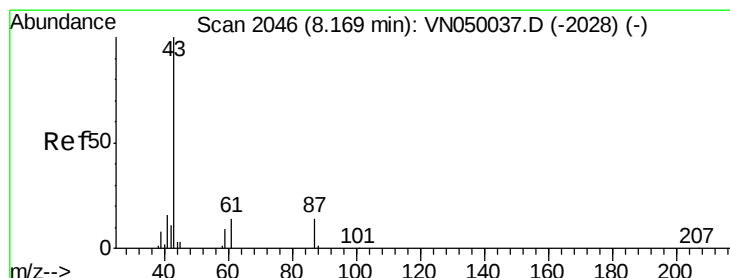
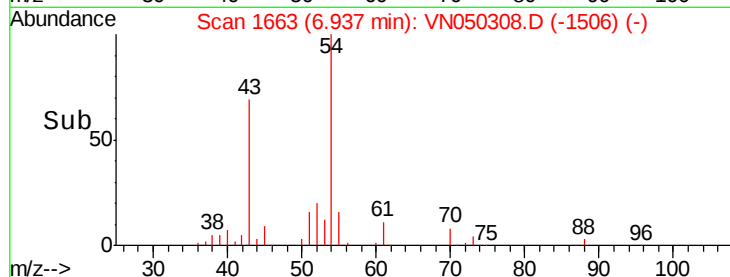
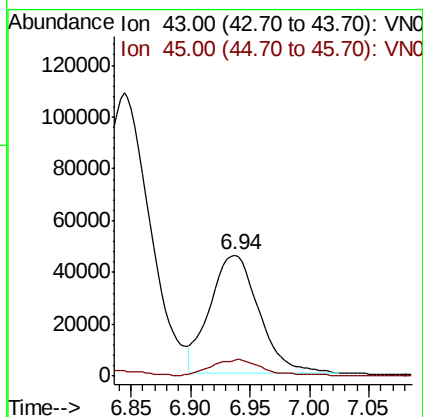
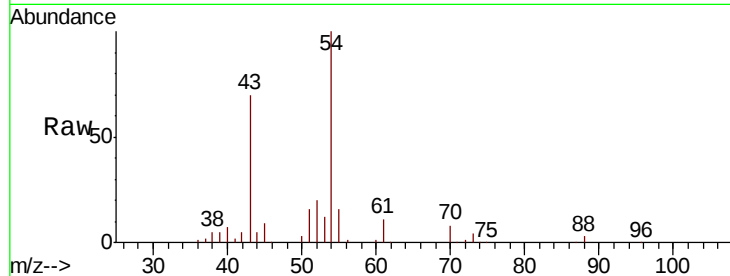




#43
Ethyl Acetate
Concen: 19.97 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

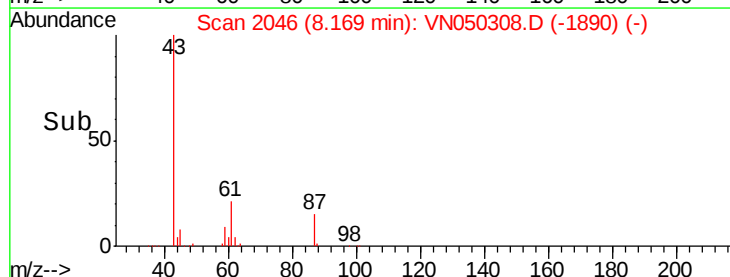
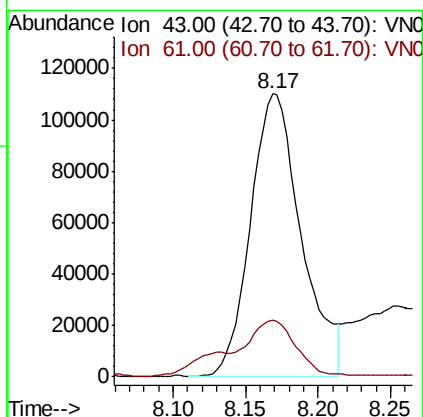
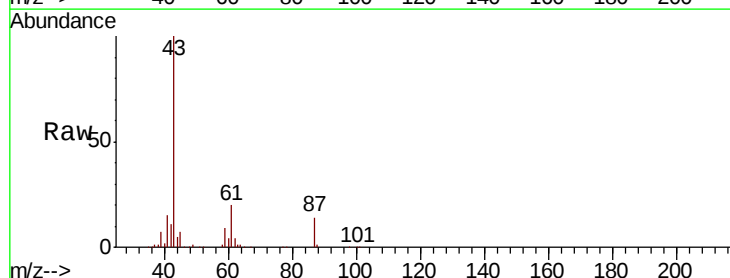
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

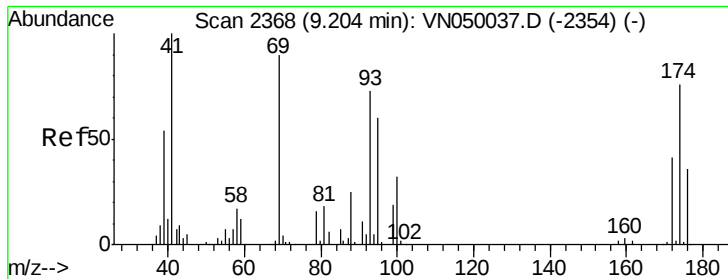
Tot Ion: 43 Resp: 131099
Ion Ratio Lower Upper
43 100
45 13.9 13.0 19.6



#44
Isopropyl Acetate
Concen: 22.01 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion: 43 Resp: 267700
Ion Ratio Lower Upper
43 100
61 16.8 16.4 24.6





#45

1,4-Dioxane

Concen: 428.95 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

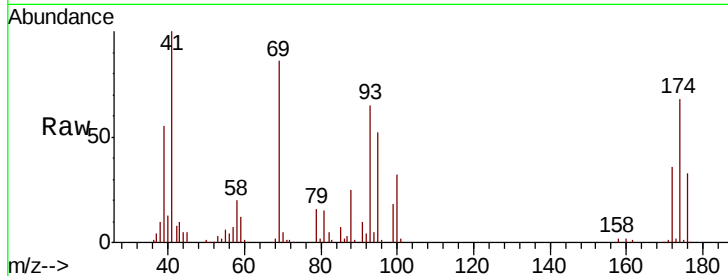
Tot Ion: 88 Resp: 34324

Ion Ratio Lower Upper

88 100

43 31.8 26.9 40.3

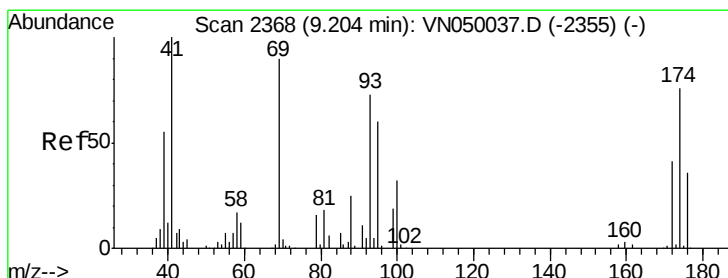
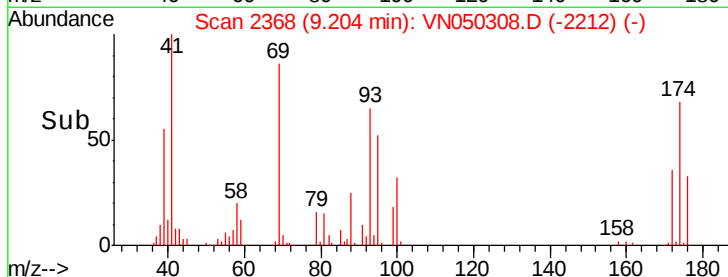
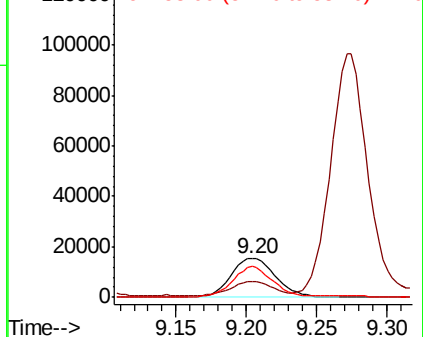
58 72.0 53.6 80.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 19.66 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

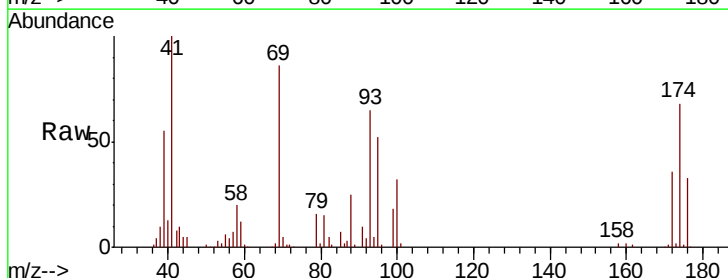
Tgt Ion: 41 Resp: 115880

Ion Ratio Lower Upper

41 100

69 87.0 44.0 132.1

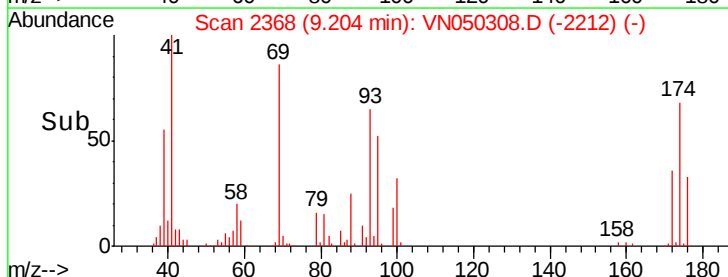
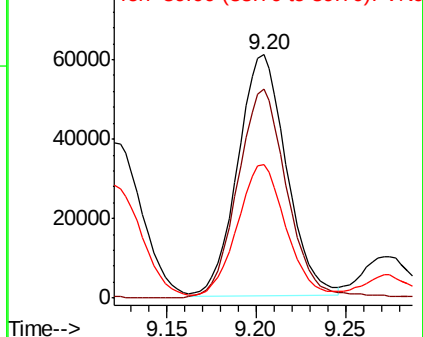
39 54.9 27.0 80.8

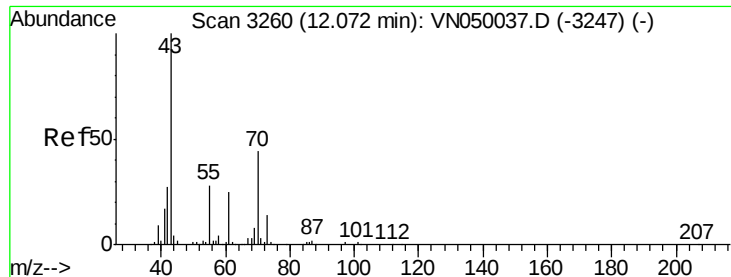


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 17.56 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

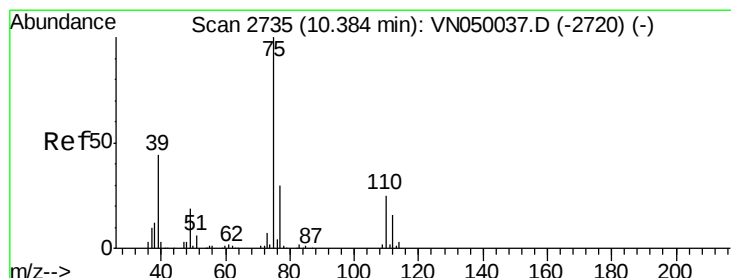
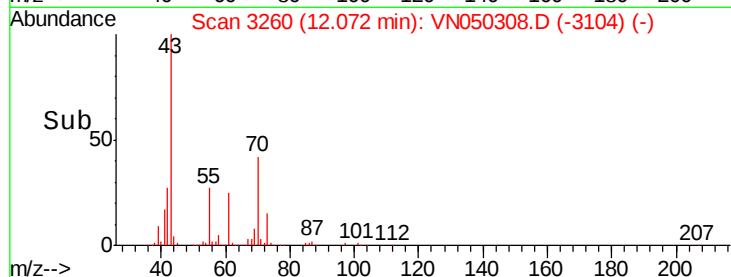
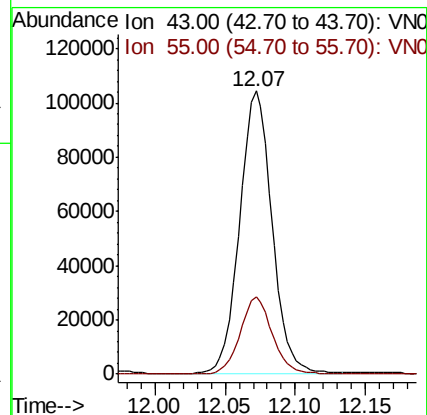
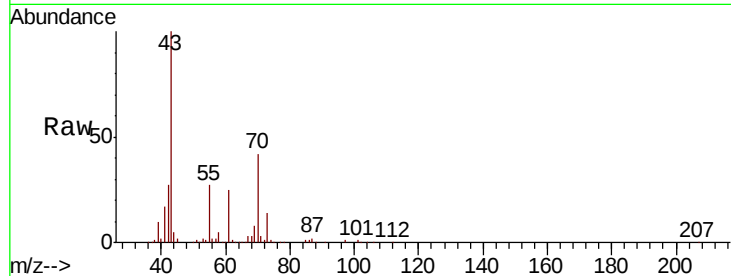
VN0803WBSD01

Tot Ion: 43 Resp: 166144

Ion Ratio Lower Upper

43 100

55 27.3 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050308.D

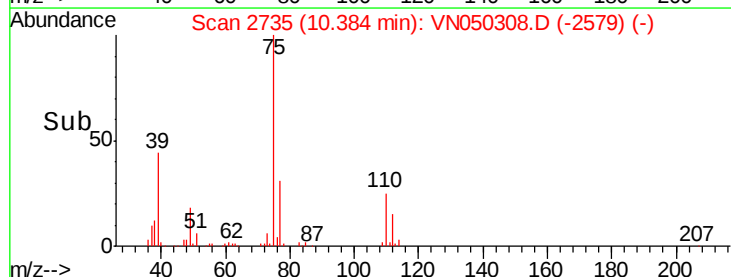
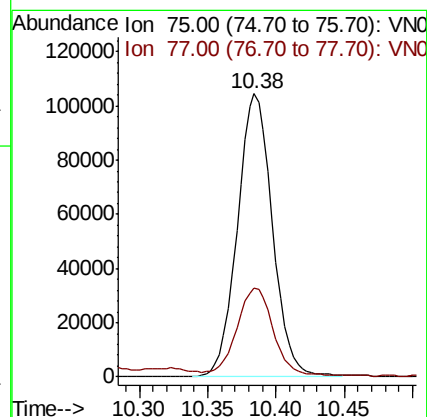
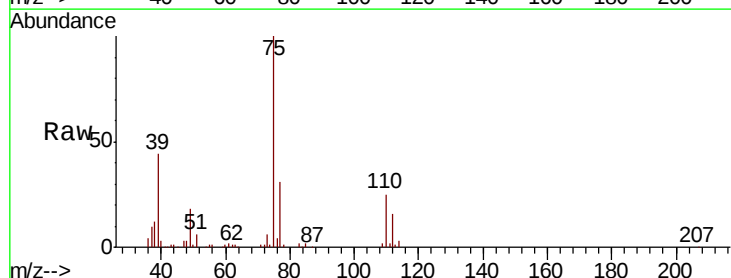
Acq: 3 Aug 2018 12:27

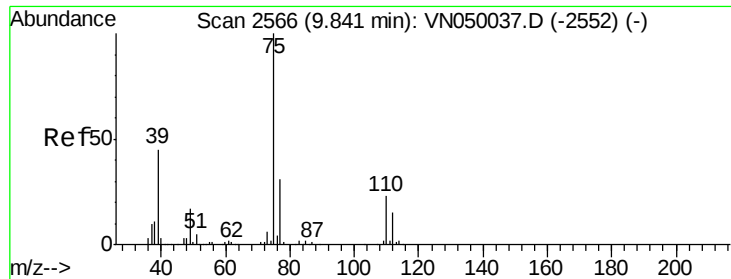
Tgt Ion: 75 Resp: 186179

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0

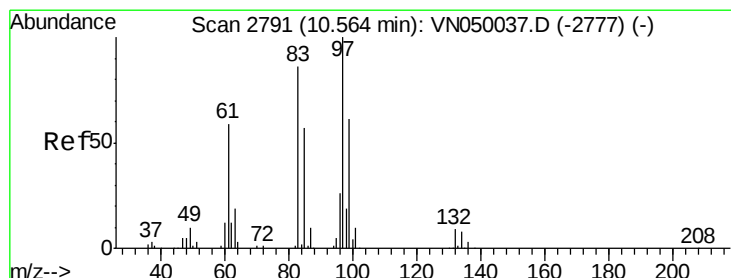
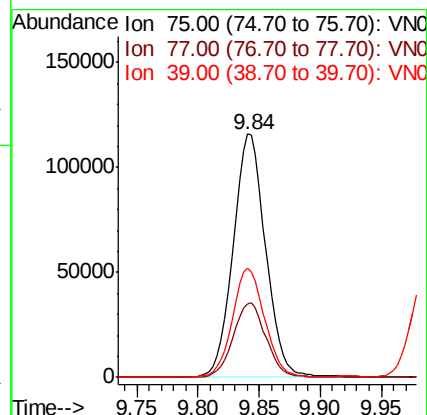
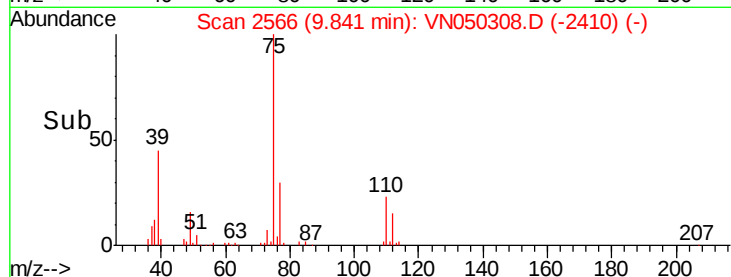
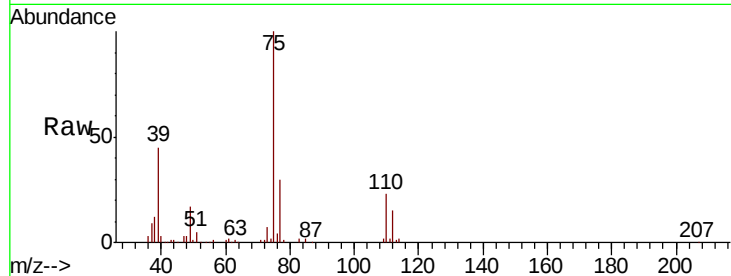




#49
 cis-1,3-Dichloropropene
 Concen: 18.31 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

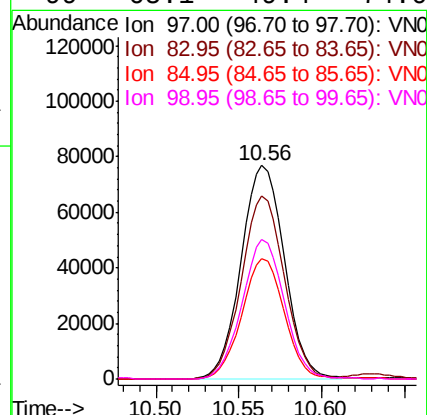
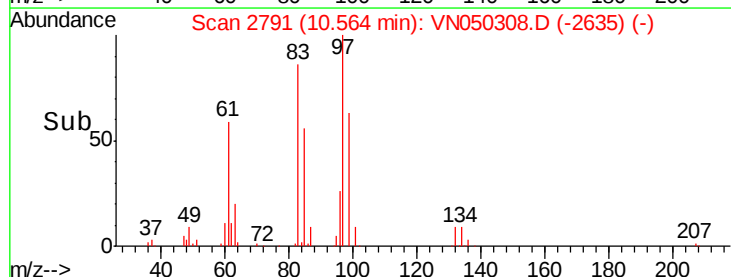
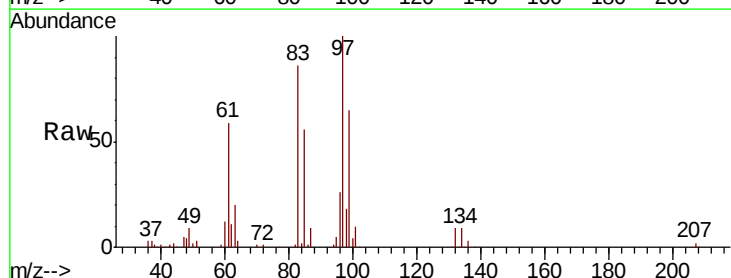
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

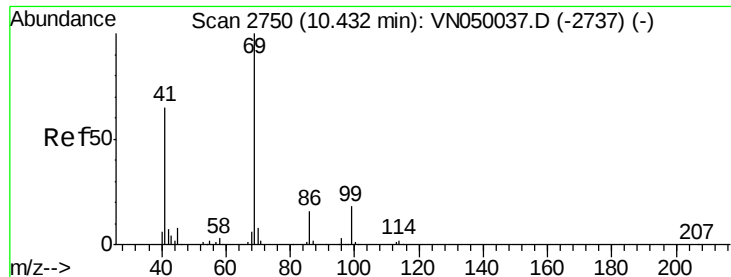
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	44.5	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 19.75 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.1	102.1
85	56.4	45.4	68.2
99	65.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.77 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

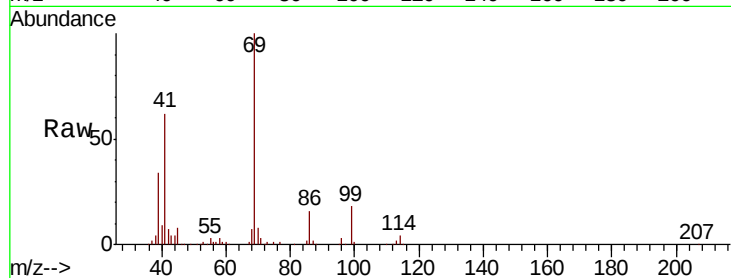
Tot Ion: 69 Resp: 161950

Ion	Ratio	Lower	Upper
69	100		
41	61.4	31.9	95.9
39	34.0	16.7	50.1

69 100

41 61.4 31.9 95.9

39 34.0 16.7 50.1

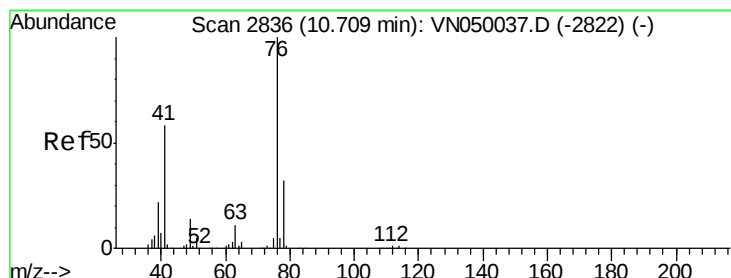
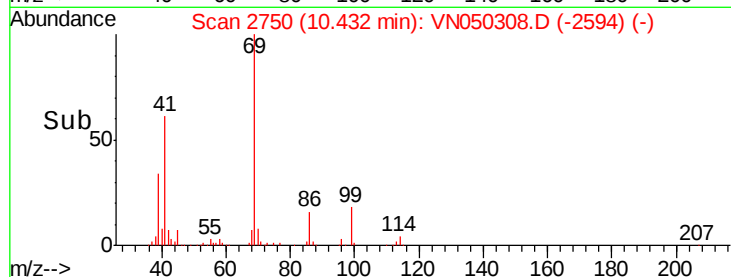
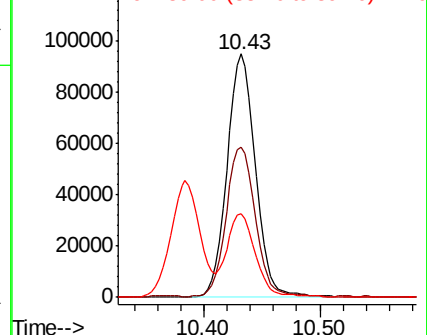


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.11 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050308.D

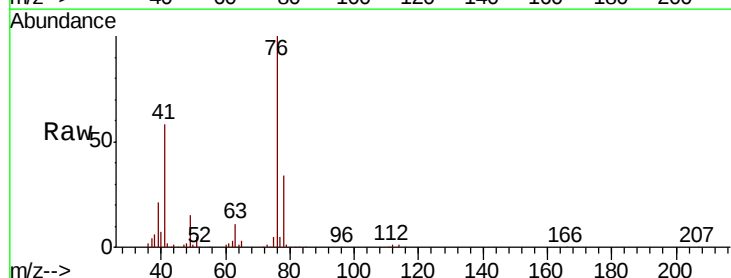
Acq: 3 Aug 2018 12:27

Tgt Ion: 76 Resp: 223173

Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	65.6

76 100

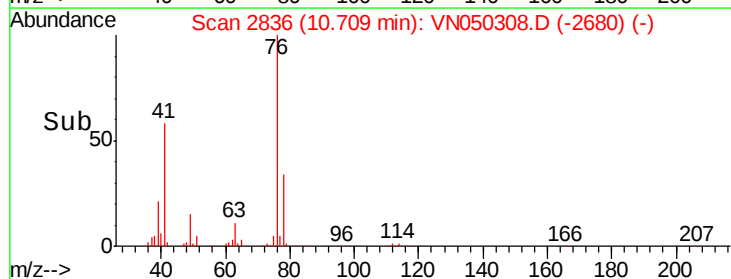
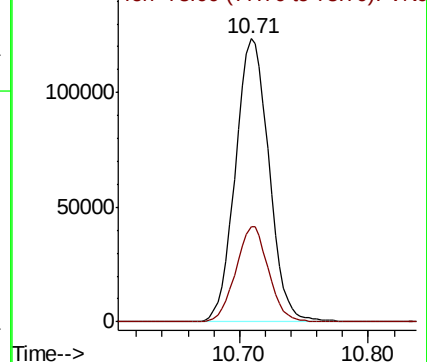
78 33.0 0.0 65.6

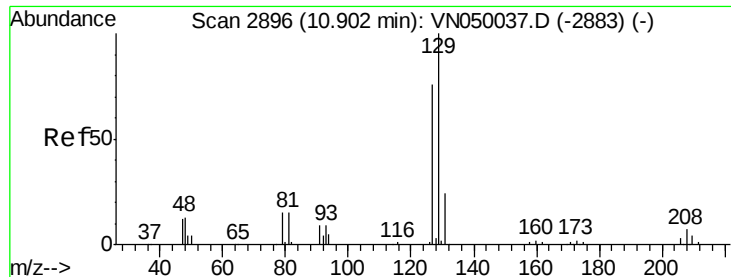


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.36 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

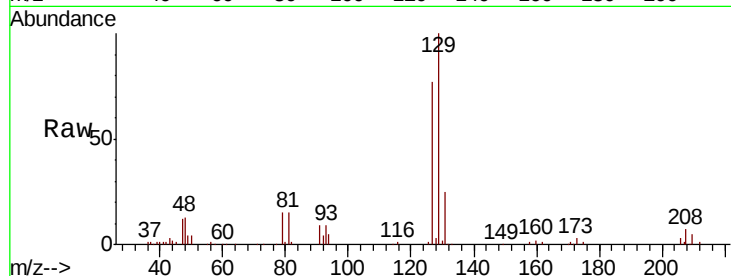
VN0803WBSD01

Tot Ion:129 Resp: 148179

Ion Ratio Lower Upper

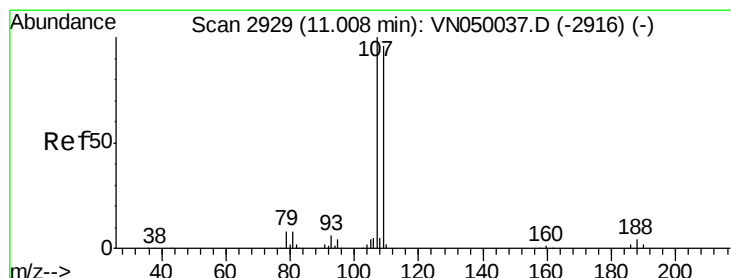
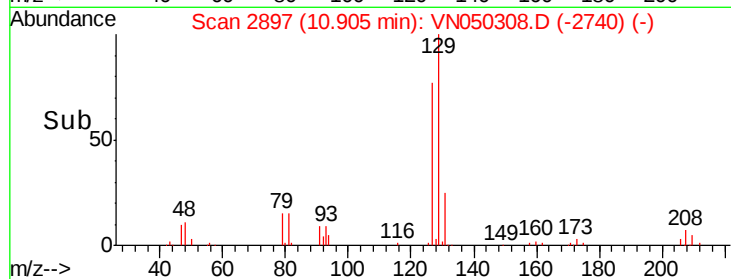
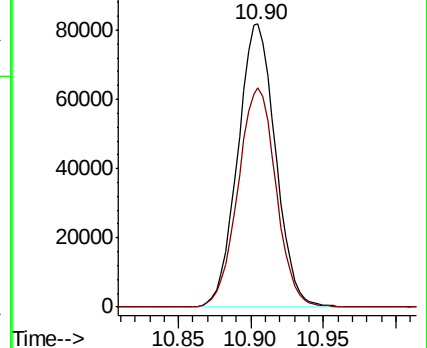
129 100

127 78.0 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.86 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050308.D

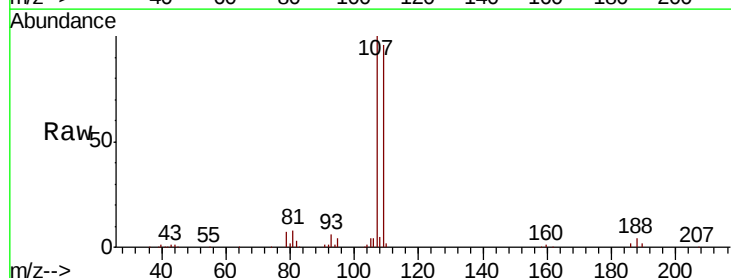
Acq: 3 Aug 2018 12:27

Tgt Ion:107 Resp: 131361

Ion Ratio Lower Upper

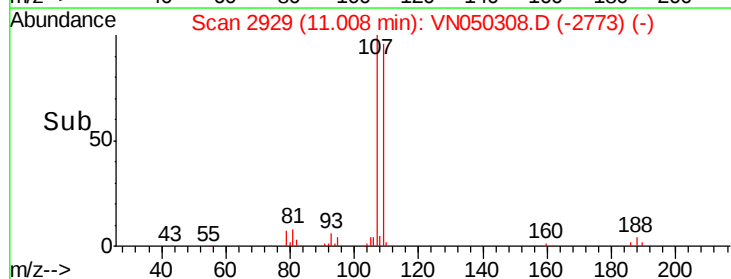
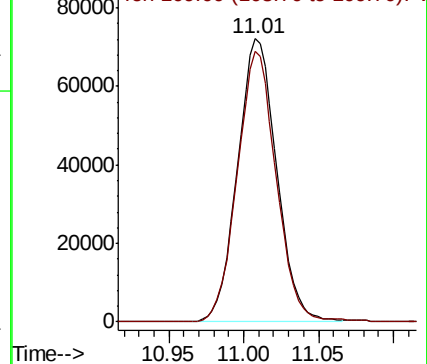
107 100

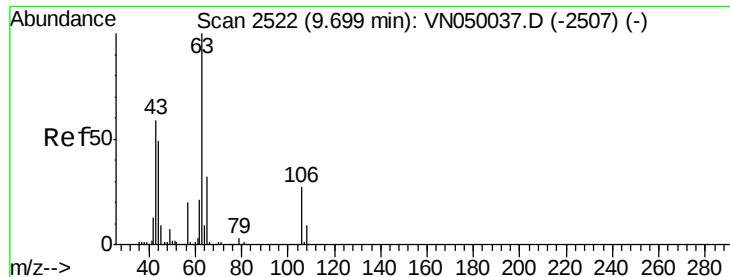
109 95.1 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 90.80 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

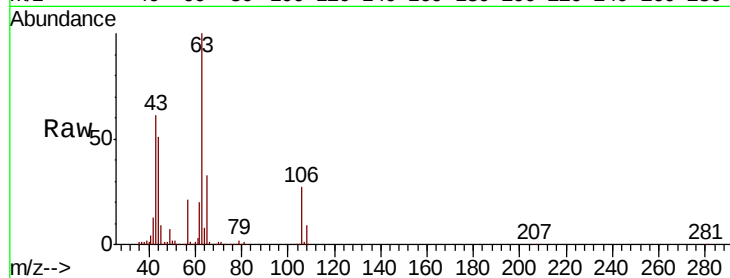
Tot Ion: 63 Resp: 354639

Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	27.2	21.8	32.6

63 100

65 32.6 25.5 38.3

106 27.2 21.8 32.6

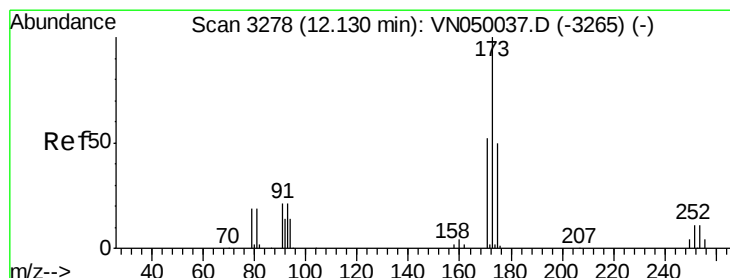
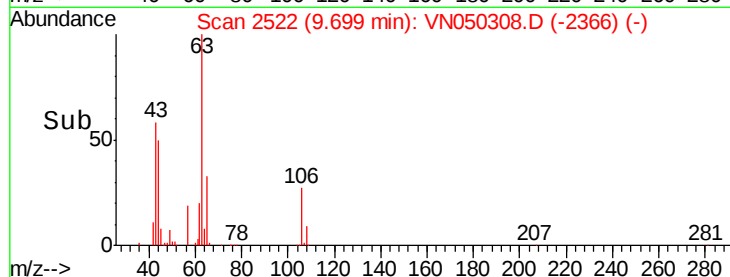
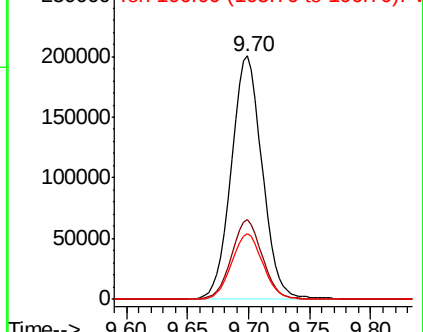


Abundance

Ion 63.00 (62.70 to 63.70): VN050037.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050037.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050037.D (-2507) (-)



#56

Bromoform

Concen: 18.31 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

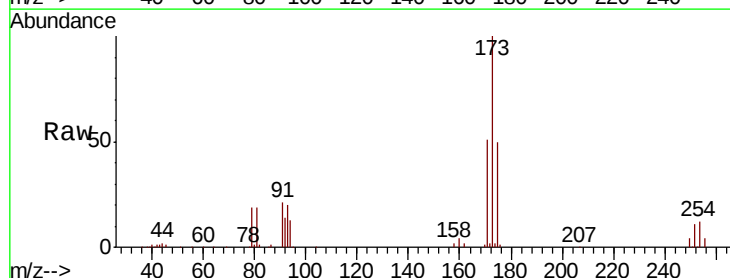
Tgt Ion: 173 Resp: 104354

Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.6	57.8
254	11.6	8.8	13.2

173 100

175 50.0 38.6 57.8

254 11.6 8.8 13.2

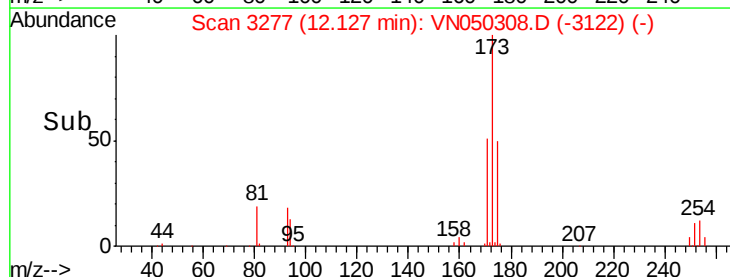
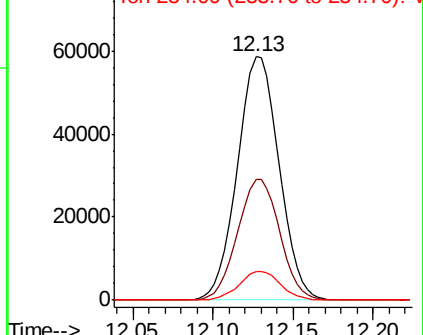


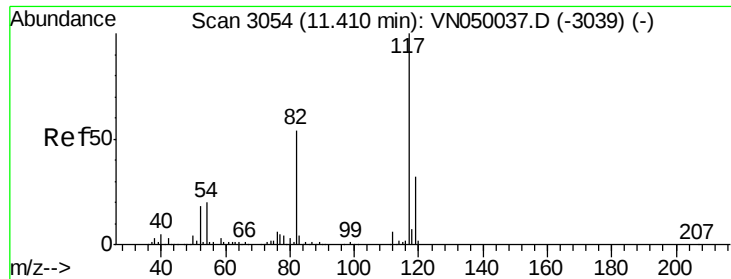
Abundance

Ion 173.00 (172.70 to 173.70): VN050037.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050037.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050037.D (-3265) (-)

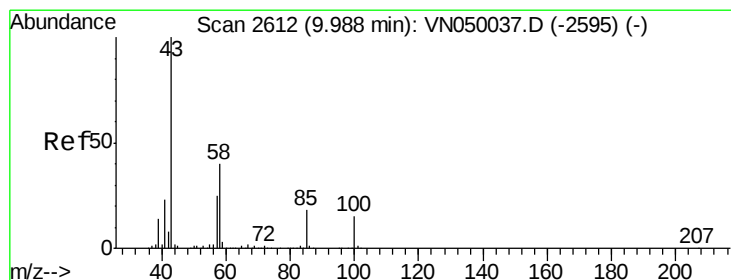
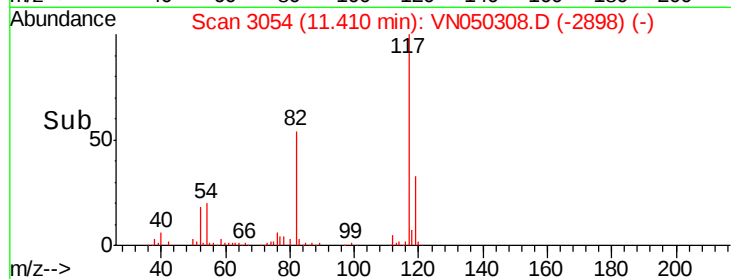
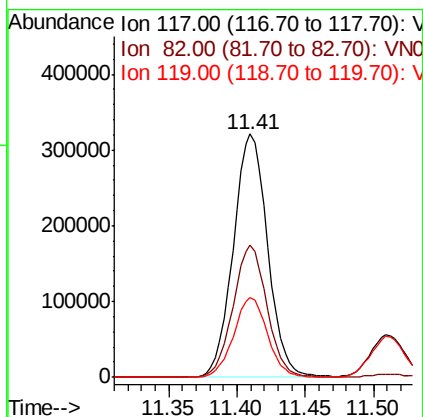
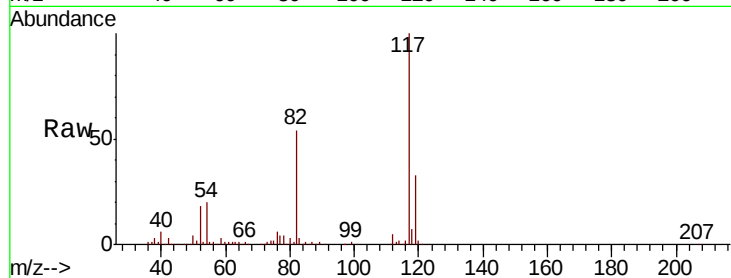




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

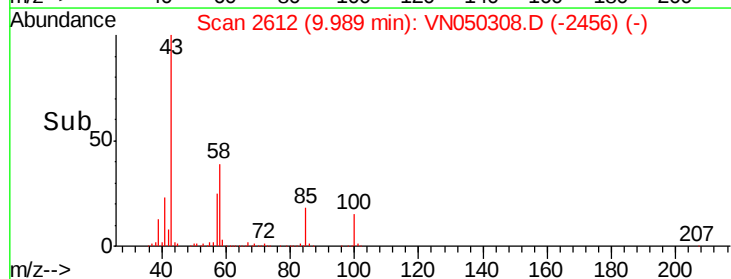
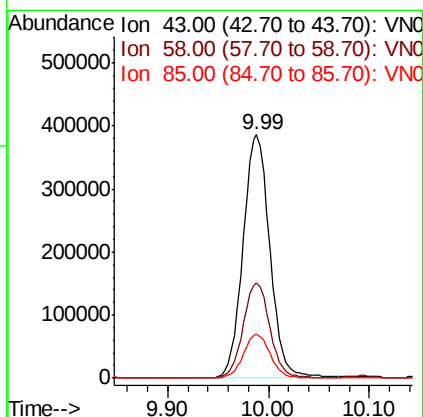
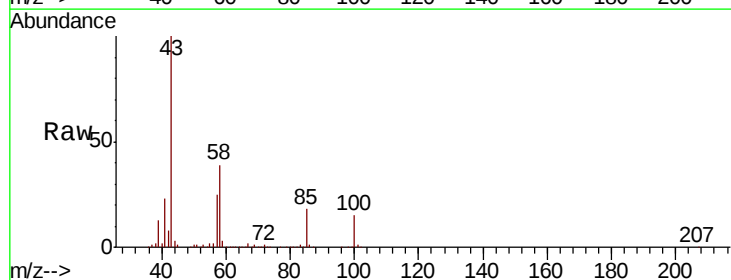
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

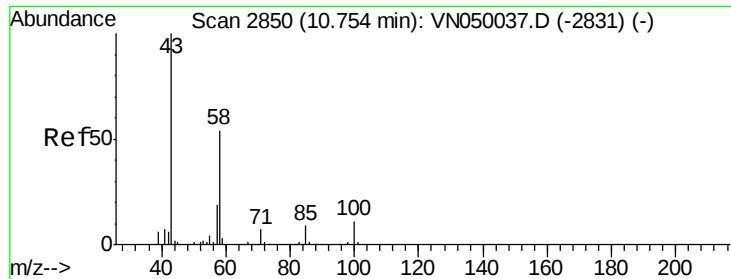
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	32.4	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 108.14 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8
85	17.9	14.4	21.6

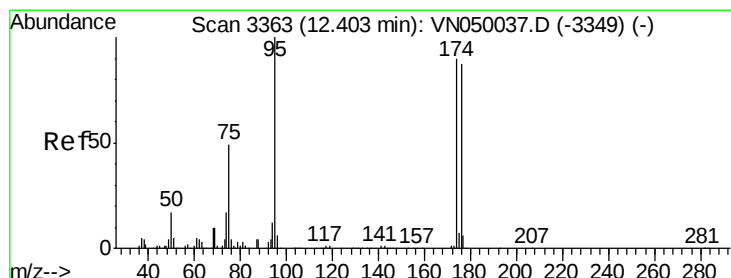
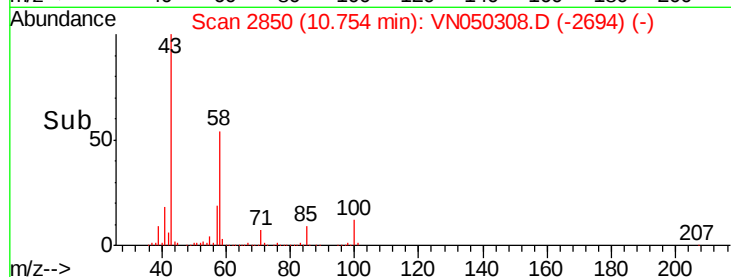
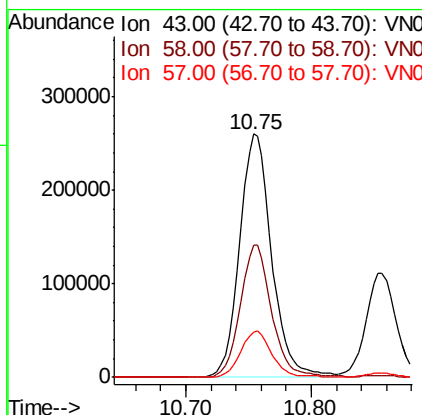
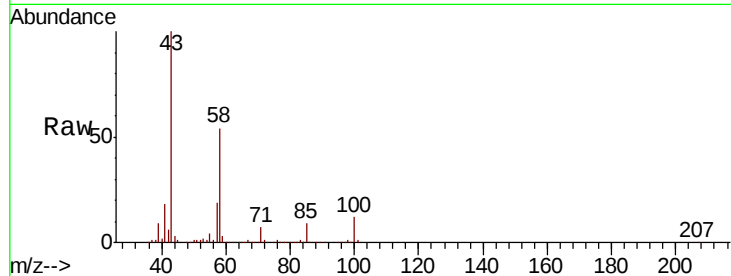




#59
2-Hexanone
Concen: 103.53 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

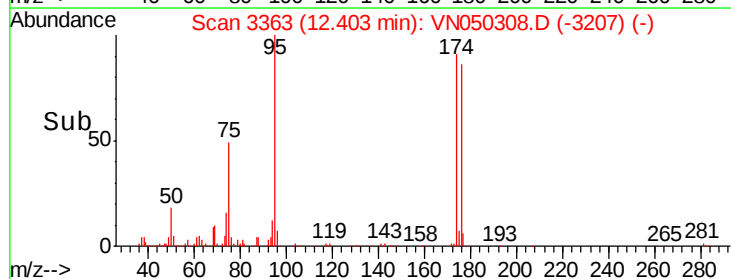
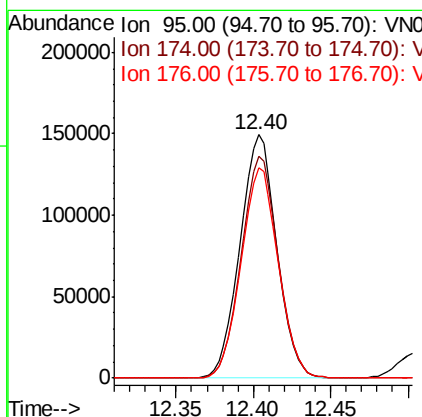
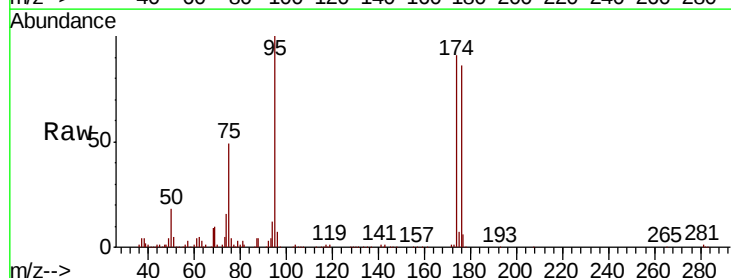
Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

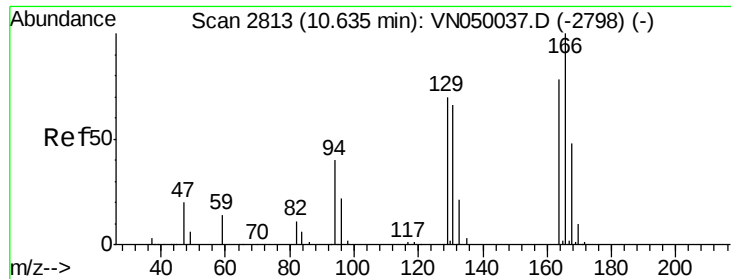
Tot Ion	43	Resp	461198
Ion Ratio	Lower	Upper	
43	100		
58	53.3	43.8	65.8
57	18.7	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 28.70 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	95	Resp	247454
Ion Ratio	Lower	Upper	
95	100		
174	91.3	72.3	108.5
176	87.4	70.0	105.0





#61

Tetrachloroethene

Concen: 17.06 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

Tot Ion:164 Resp: 129671

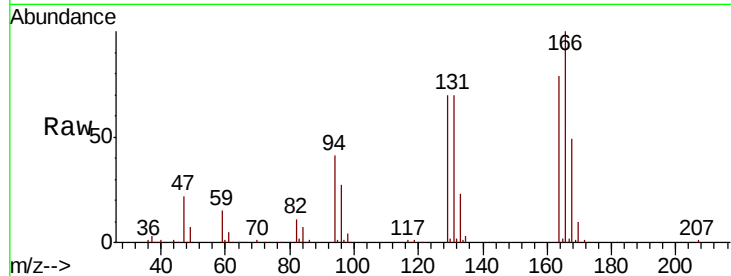
Ion Ratio Lower Upper

164 100

166 126.9 100.0 150.0

129 89.0 69.3 103.9

131 88.7 68.8 103.2

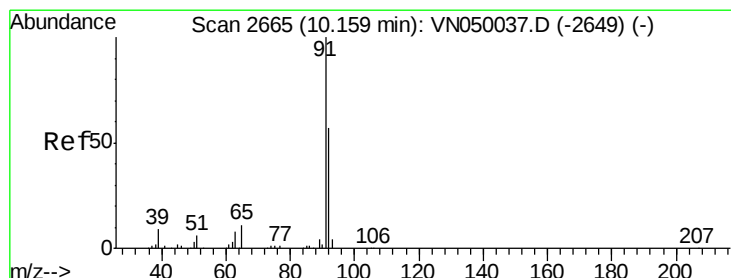
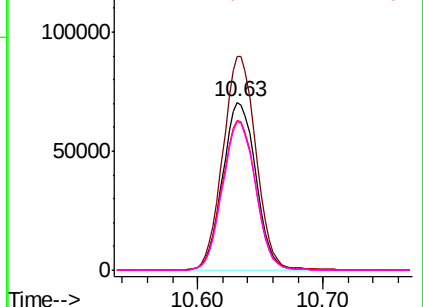
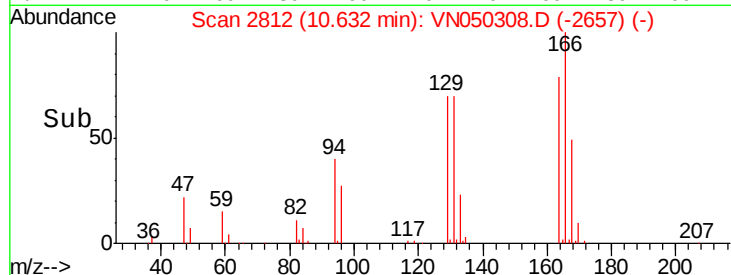


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.05 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050308.D

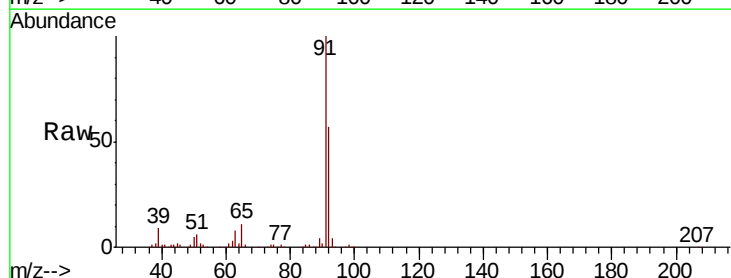
Acq: 3 Aug 2018 12:27

Tgt Ion: 91 Resp: 577835

Ion Ratio Lower Upper

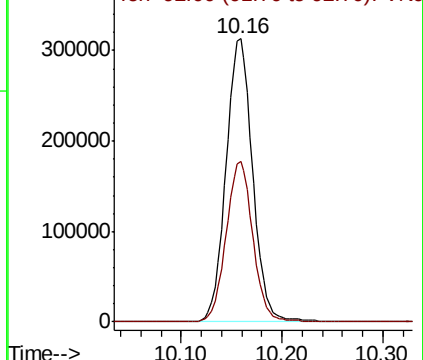
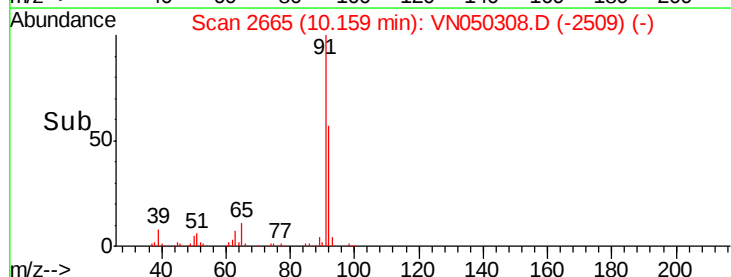
91 100

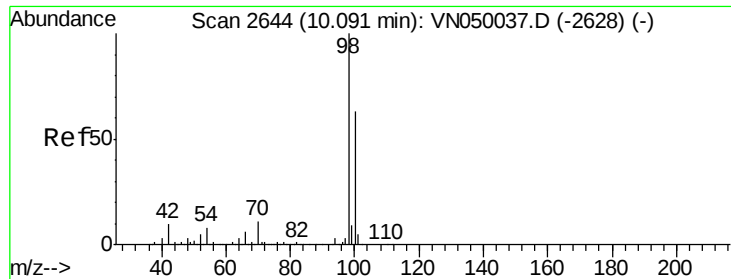
92 56.7 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.08 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

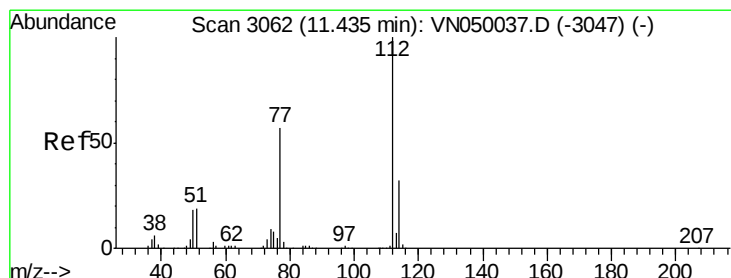
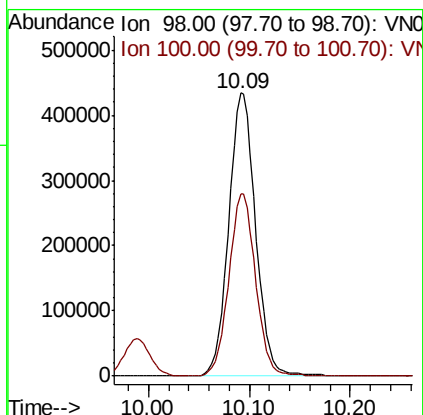
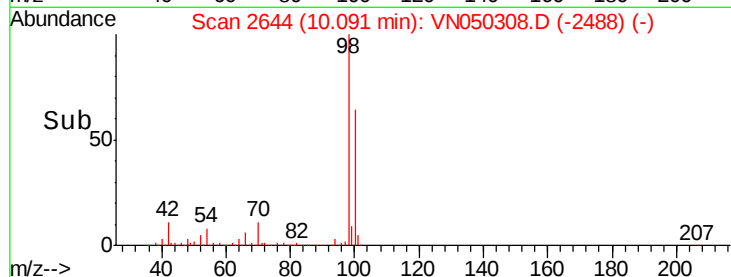
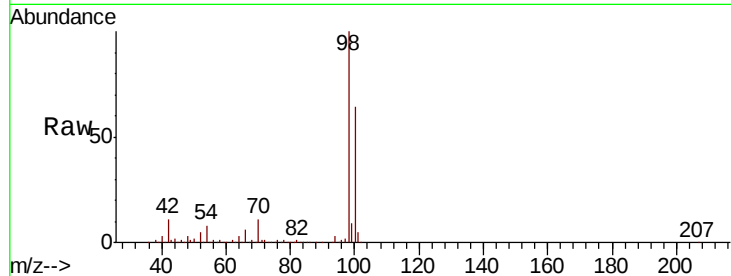
VN0803WBSD01

Tot Ion: 98 Resp: 806248

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#64

Chlorobenzene

Concen: 18.11 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050308.D

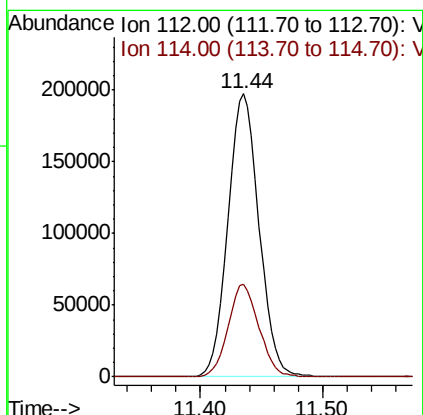
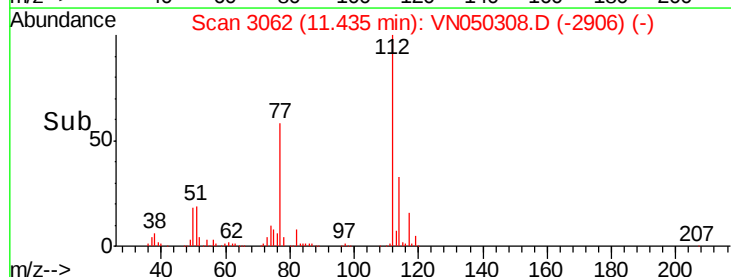
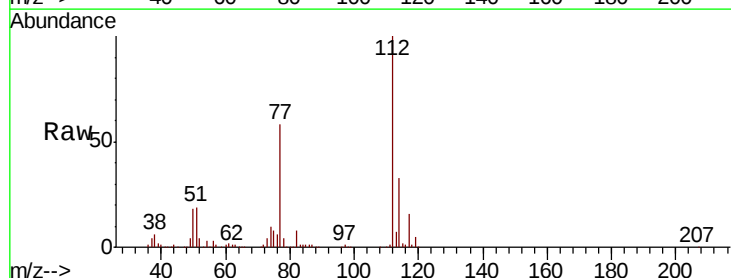
Acq: 3 Aug 2018 12:27

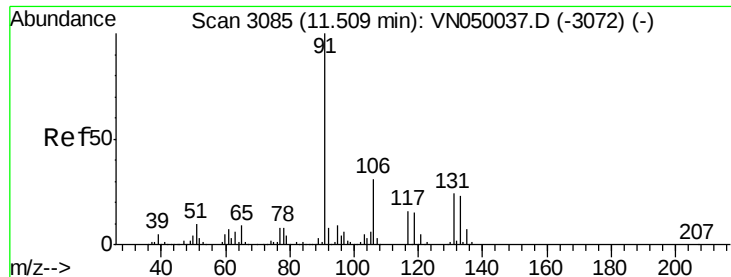
Tgt Ion: 112 Resp: 351602

Ion Ratio Lower Upper

112 100

114 32.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

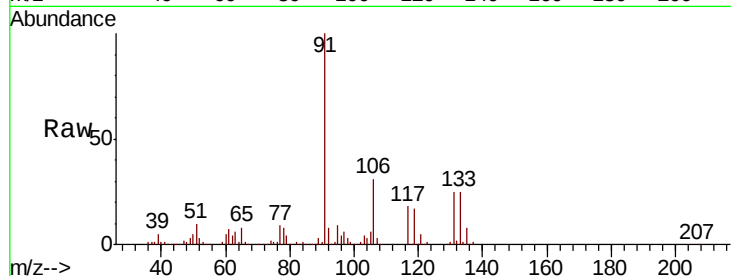
Tot Ion:131 Resp: 144903

Ion Ratio Lower Upper

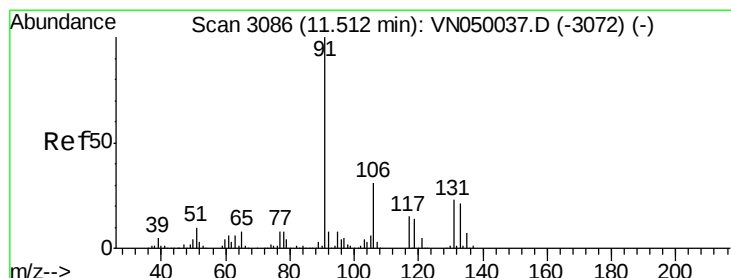
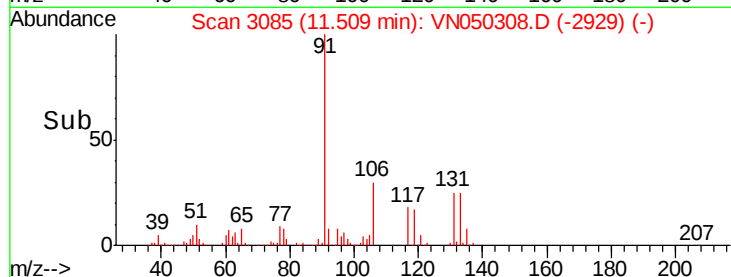
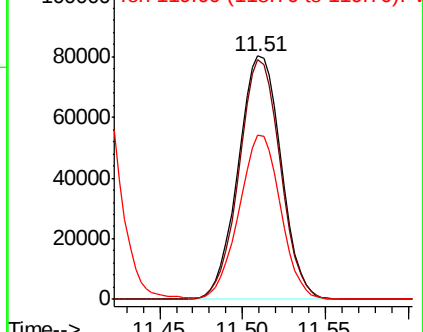
131 100

133 95.0 0.0 190.0

119 65.4 0.0 131.6



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



#66

Ethyl Benzene

Concen: 17.47 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050308.D

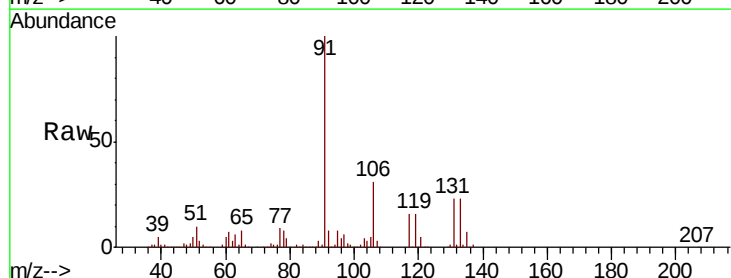
Acq: 3 Aug 2018 12:27

Tgt Ion: 91 Resp: 571431

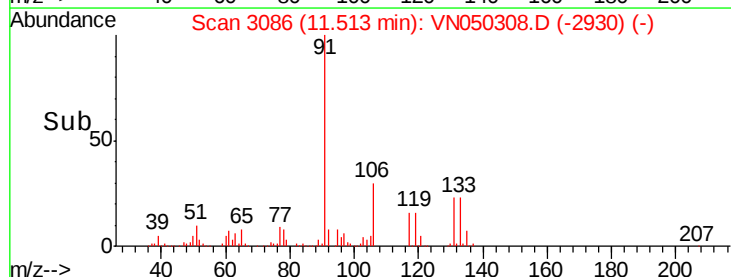
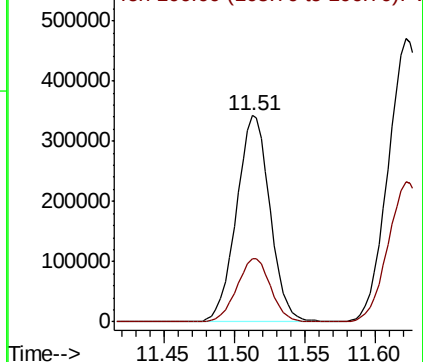
Ion Ratio Lower Upper

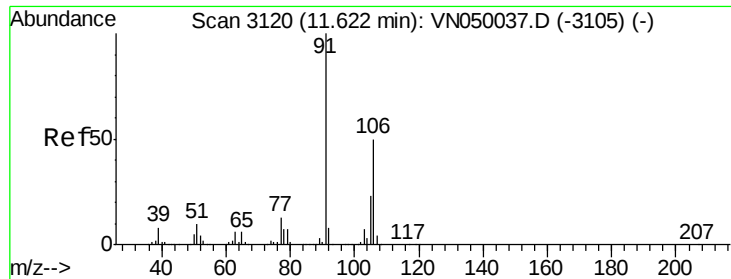
91 100

106 30.8 25.1 37.7



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





#67

m/p-Xylenes

Concen: 35.27 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

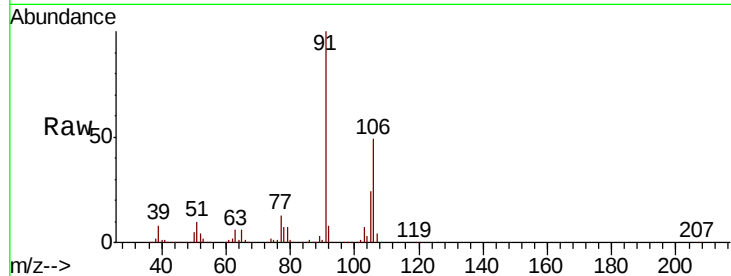
VN0803WBSD01

Tot Ion:106 Resp: 444139

Ion Ratio Lower Upper

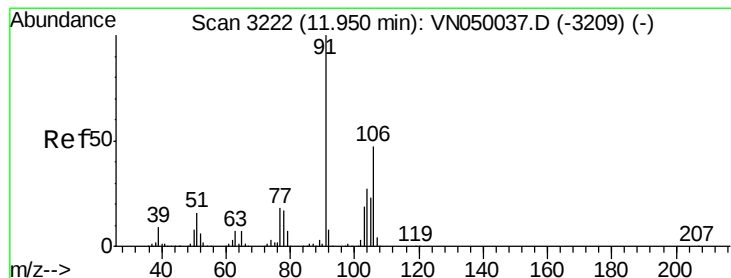
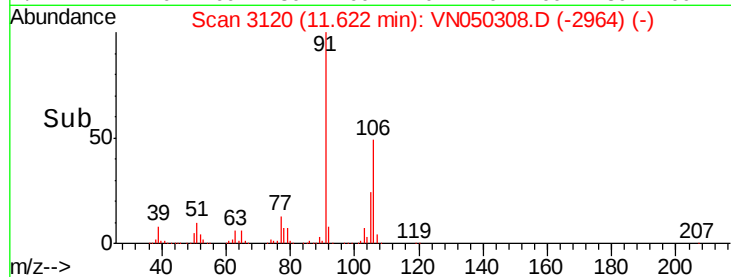
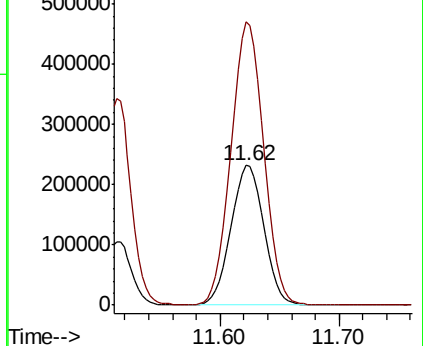
106 100

91 201.5 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 17.71 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050308.D

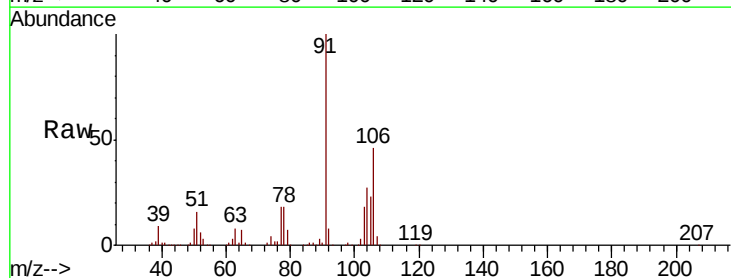
Acq: 3 Aug 2018 12:27

Tgt Ion:106 Resp: 212116

Ion Ratio Lower Upper

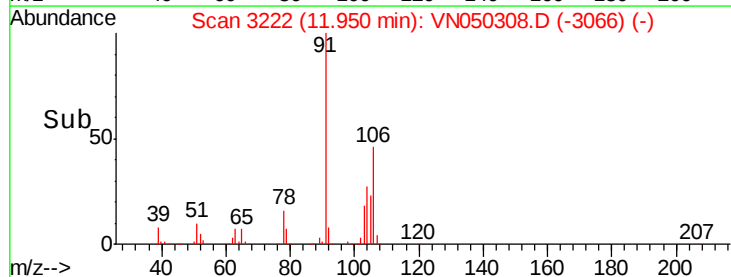
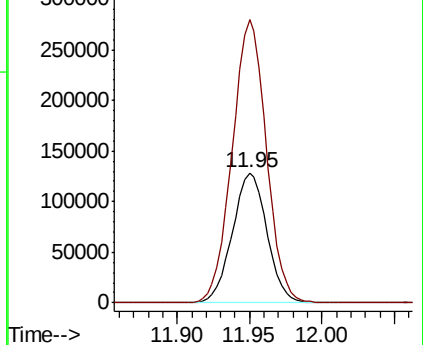
106 100

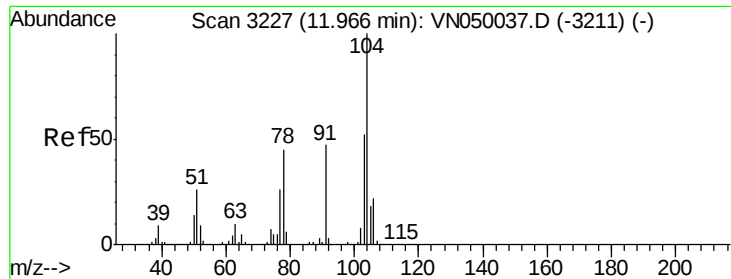
91 215.1 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

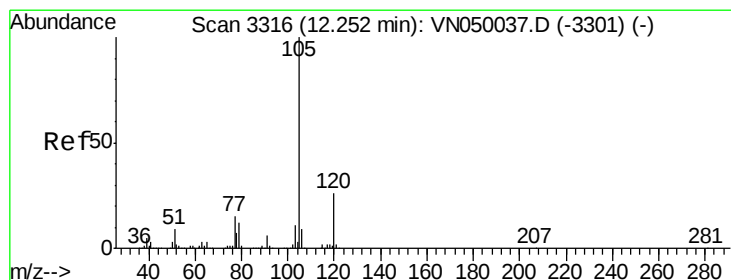
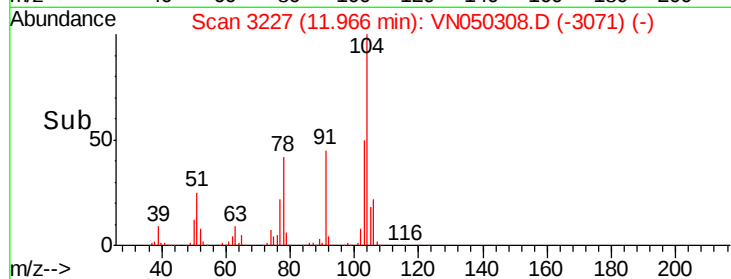
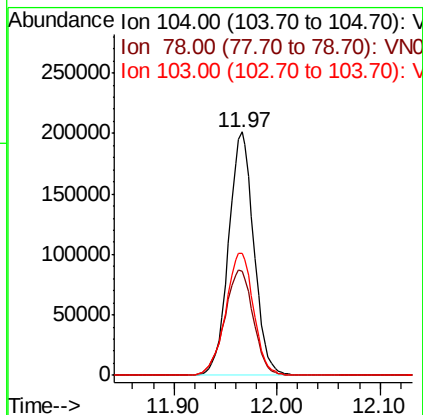
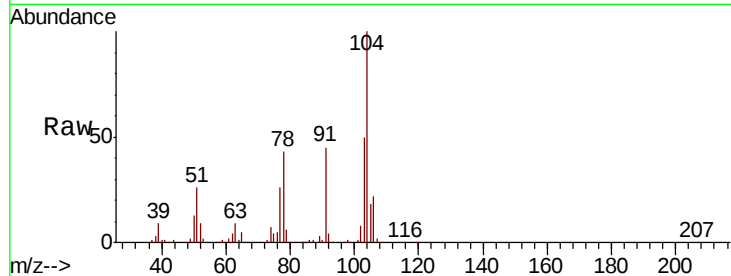




#69
Stvrene
Concen: 17.85 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

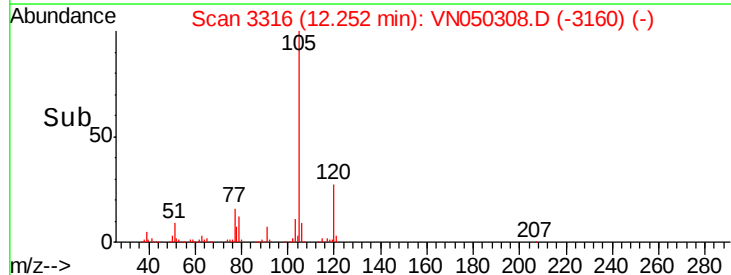
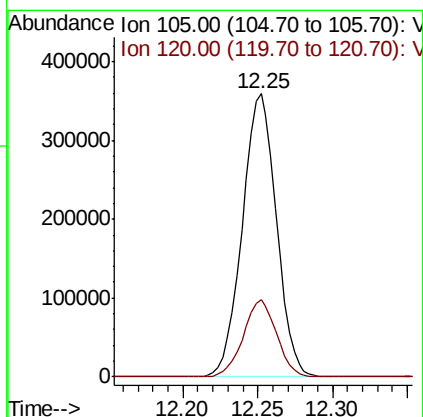
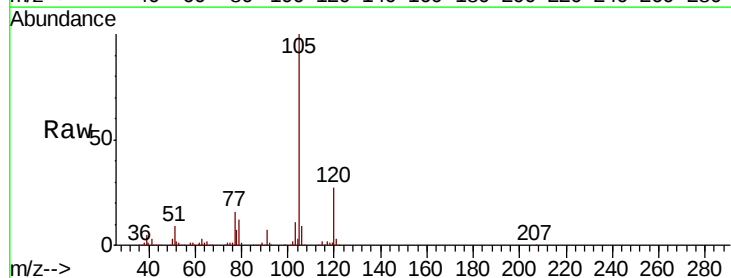
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

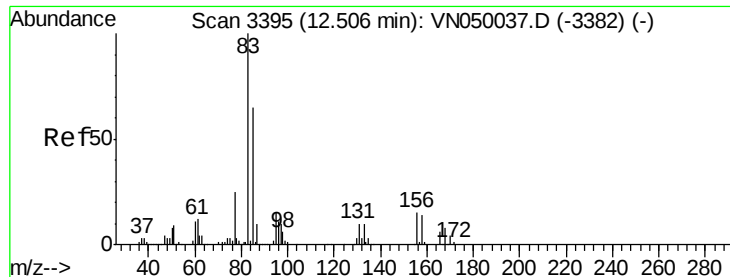
Tot Ion:104 Resp: 342876
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 55.7 44.5 66.7



#70
Isopropylbenzene
Concen: 17.84 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion:105 Resp: 569103
Ion Ratio Lower Upper
105 100
120 26.6 18.9 35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

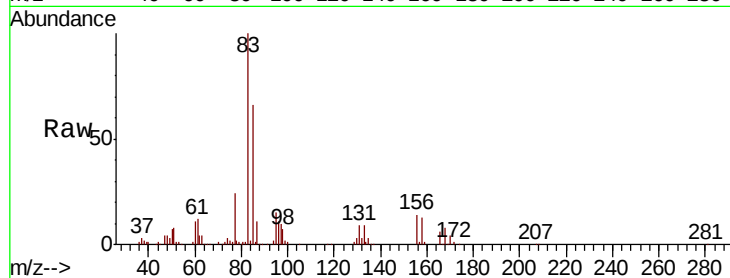
Tot Ion: 83 Resp: 178439

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

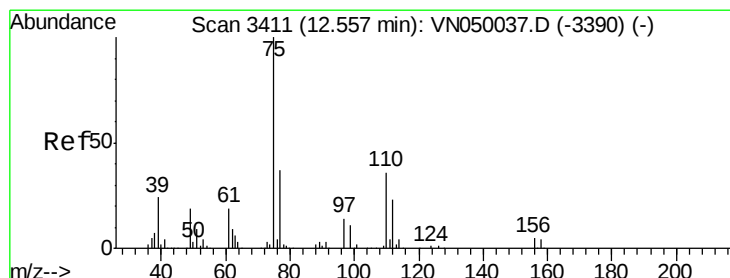
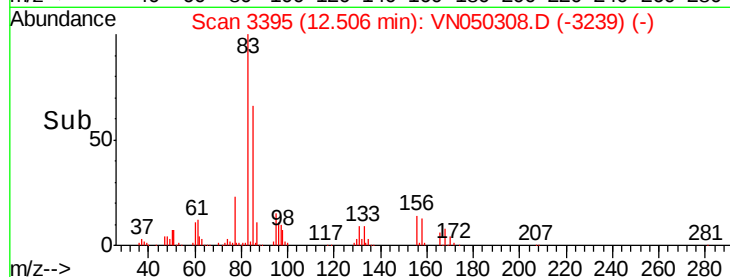
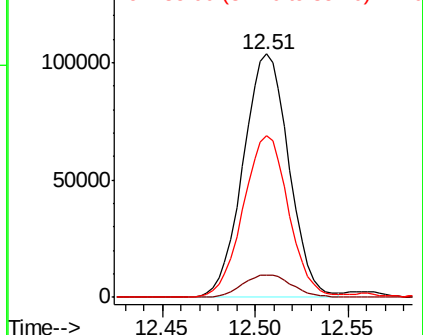
85 66.1 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 27.52 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050308.D

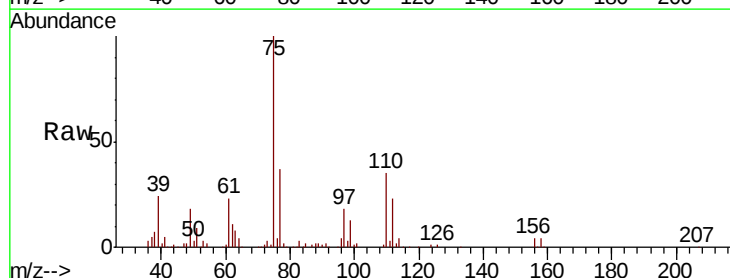
Acq: 3 Aug 2018 12:27

Tgt Ion: 75 Resp: 205918

Ion Ratio Lower Upper

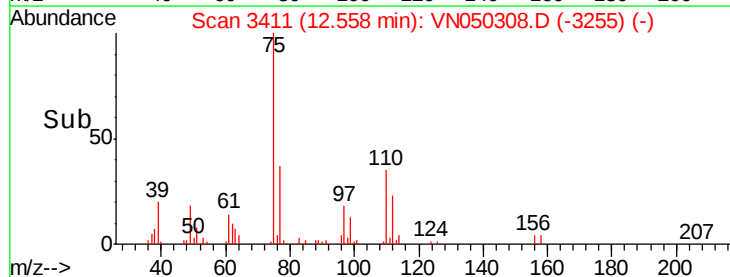
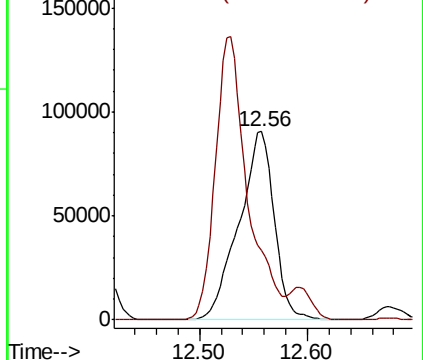
75 100

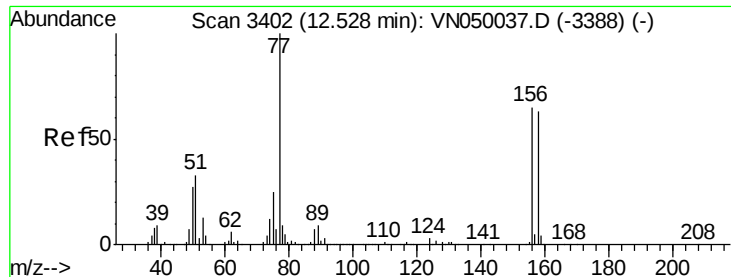
77 138.1 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.70 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

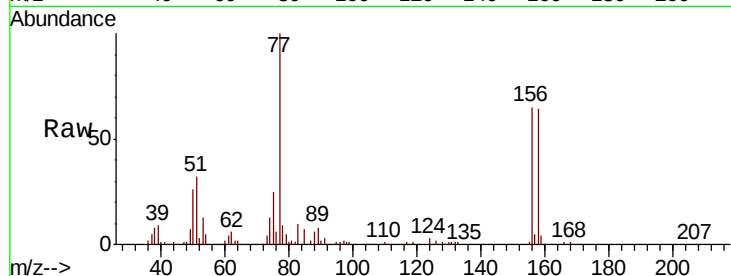
Tot Ion:156 Resp: 150412

Ion Ratio Lower Upper

156 100

77 189.1 0.0 359.8

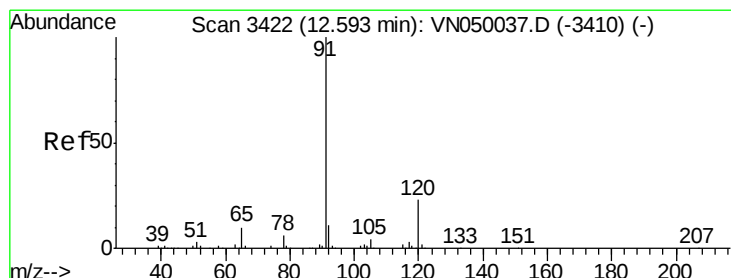
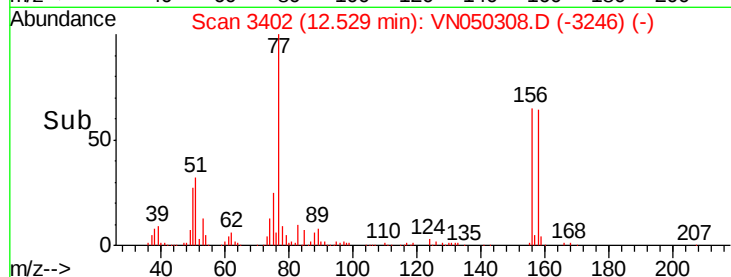
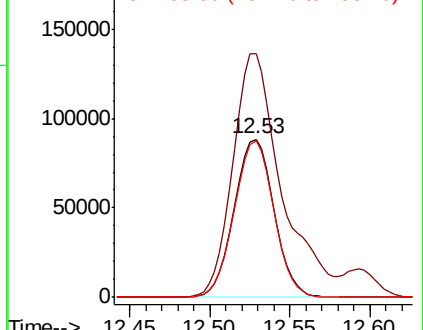
158 98.0 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.08 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050308.D

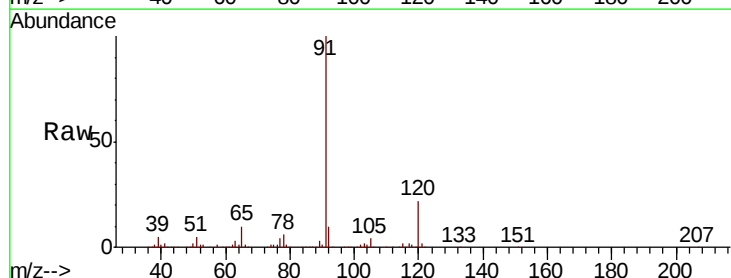
Acq: 3 Aug 2018 12:27

Tgt Ion: 91 Resp: 634686

Ion Ratio Lower Upper

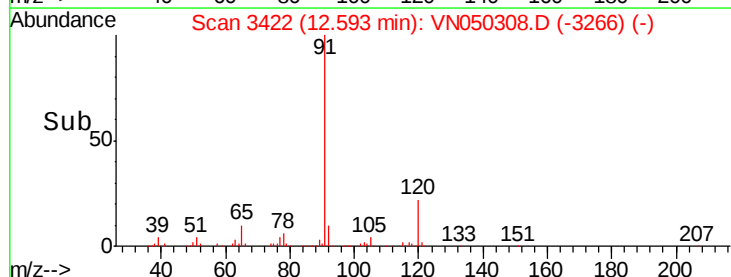
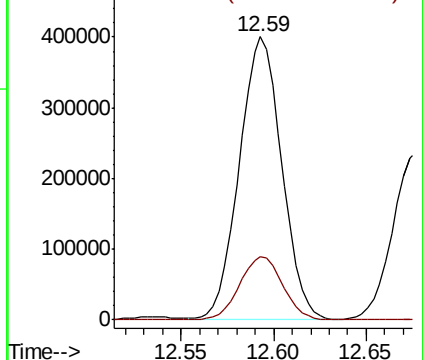
91 100

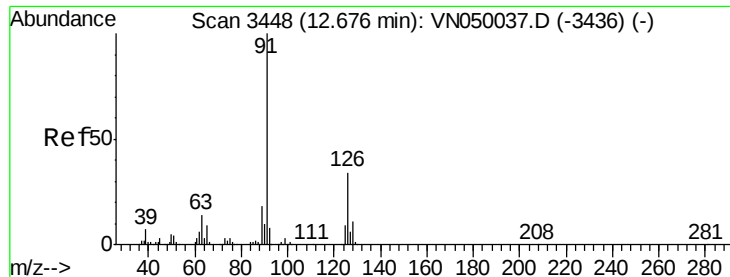
120 22.6 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.79 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

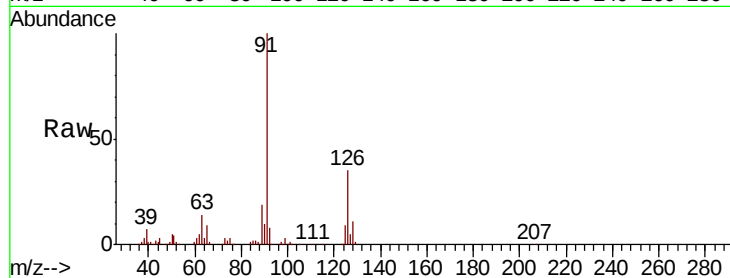
VN0803WBSD01

Tot Ion: 91 Resp: 397131

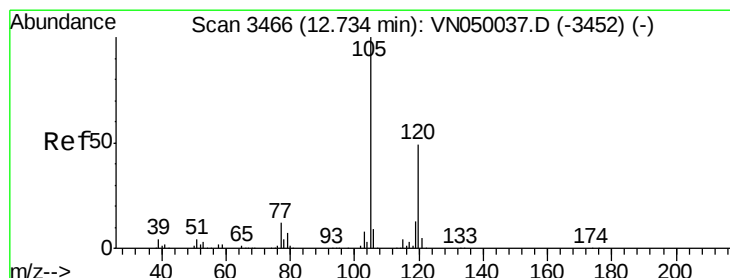
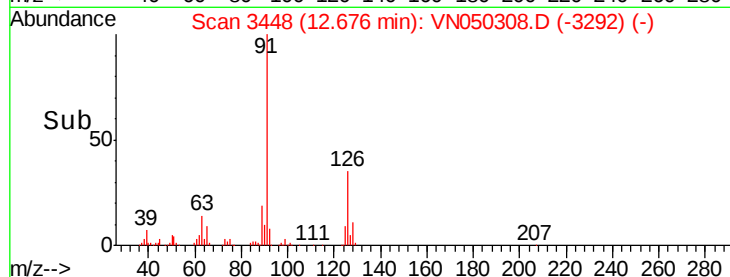
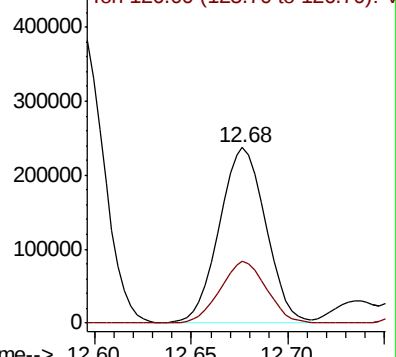
Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.84 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050308.D

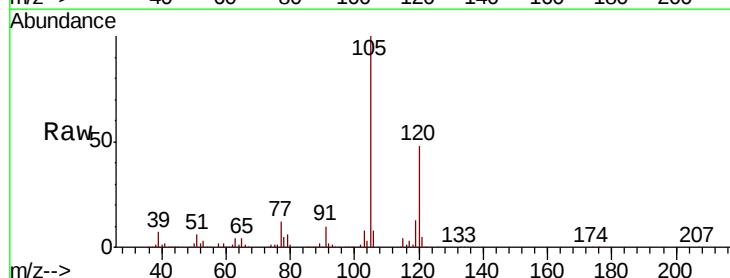
Acq: 3 Aug 2018 12:27

Tgt Ion:105 Resp: 467414

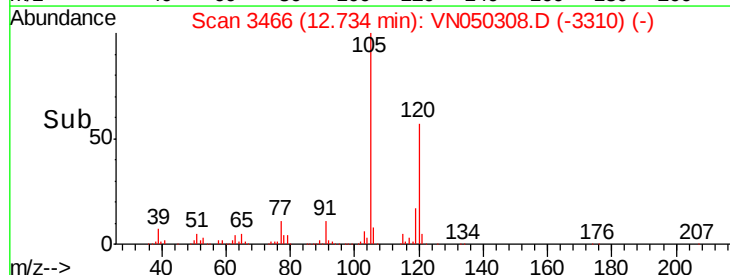
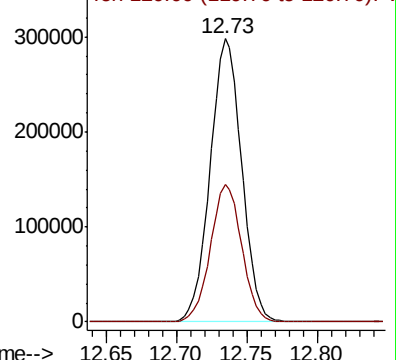
Ion Ratio Lower Upper

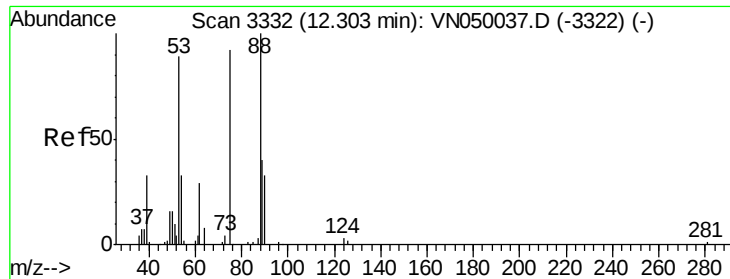
105 100

120 48.1 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.54 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

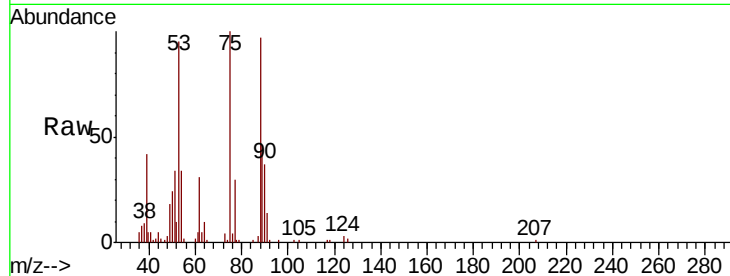
Tot Ion: 75 Resp: 40456

Ion Ratio Lower Upper

75 100

53 95.3 44.6 134.0

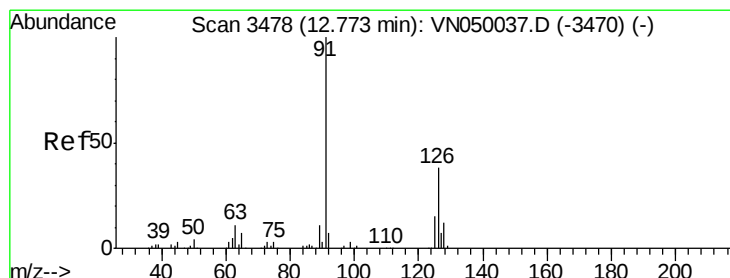
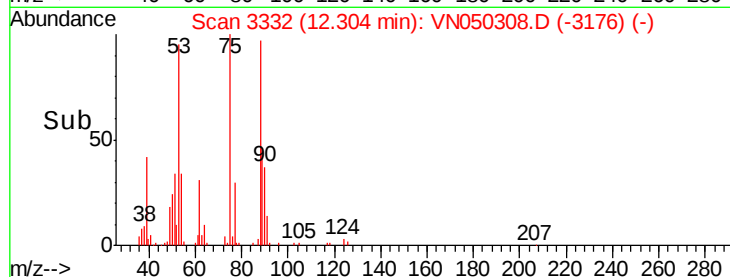
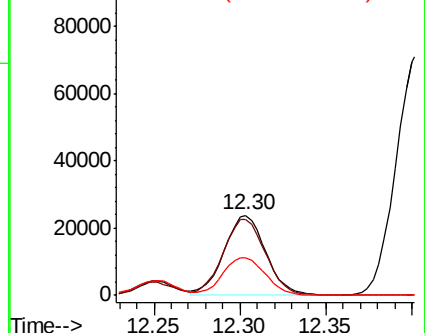
89 46.5 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 17.56 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050308.D

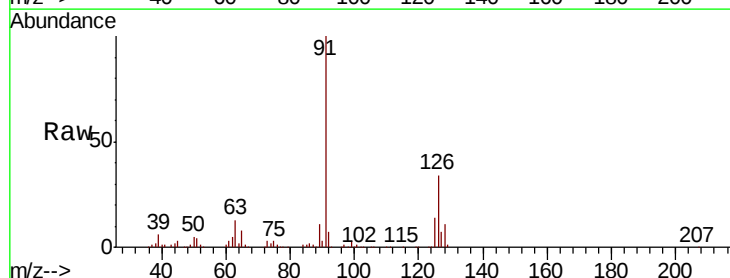
Acq: 3 Aug 2018 12:27

Tgt Ion: 91 Resp: 388300

Ion Ratio Lower Upper

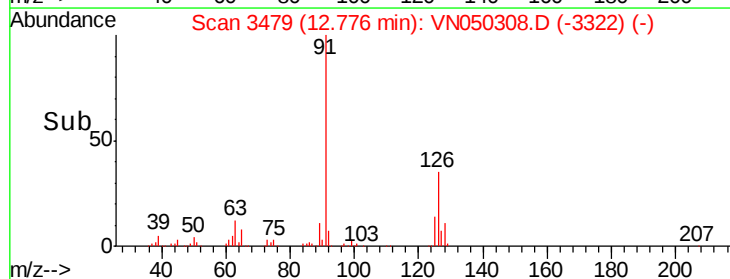
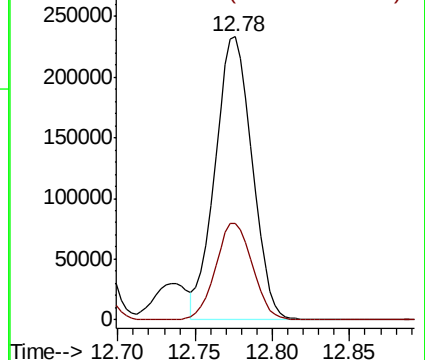
91 100

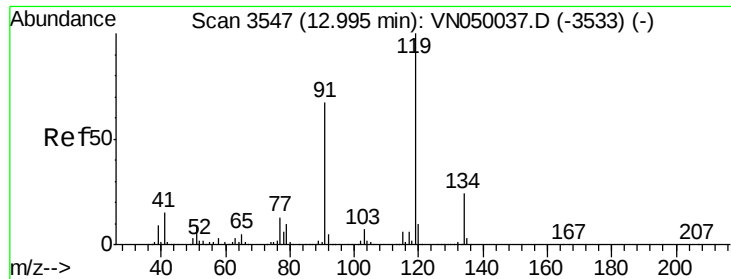
126 33.9 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

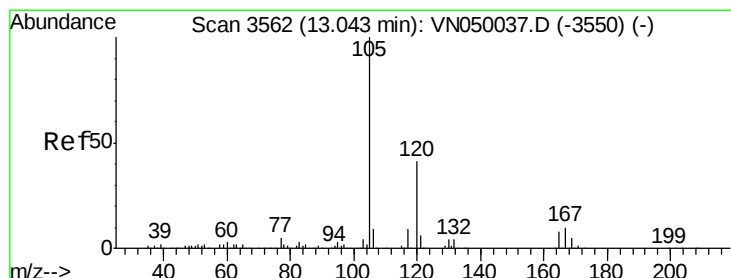
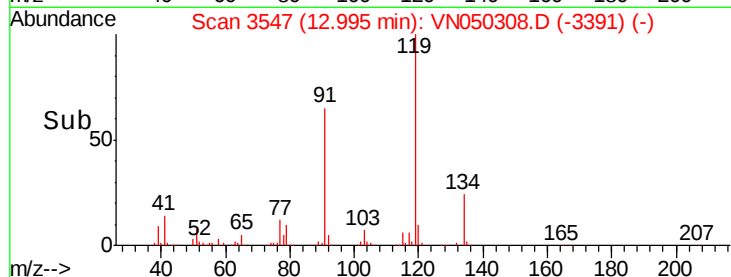
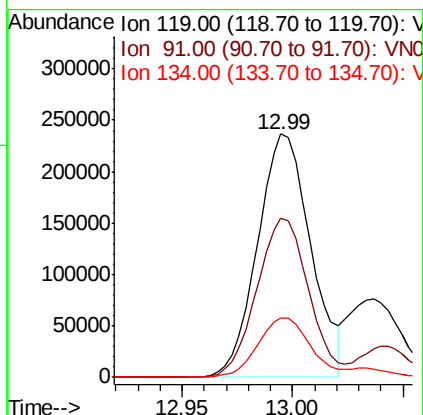
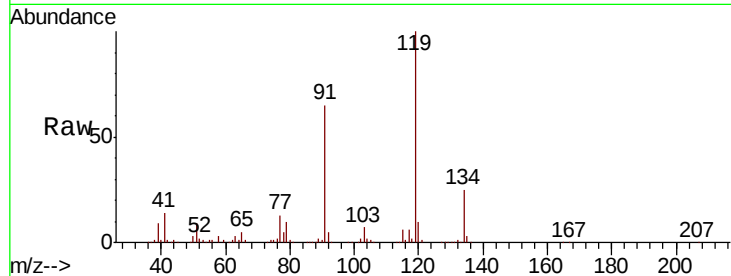




#79
tert-butylbenzene
Concen: 17.68 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

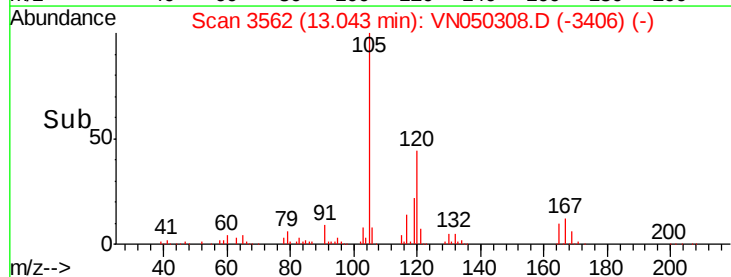
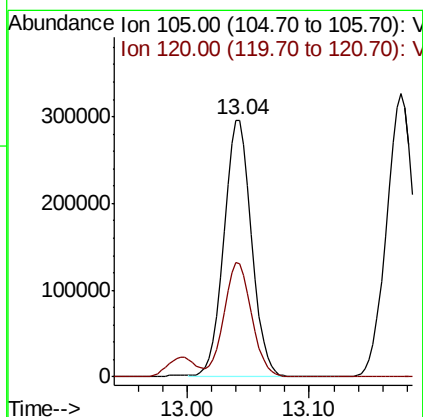
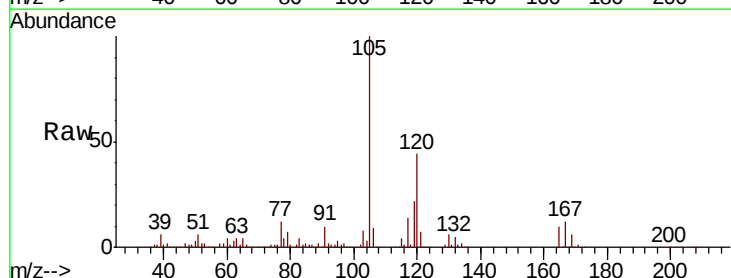
Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

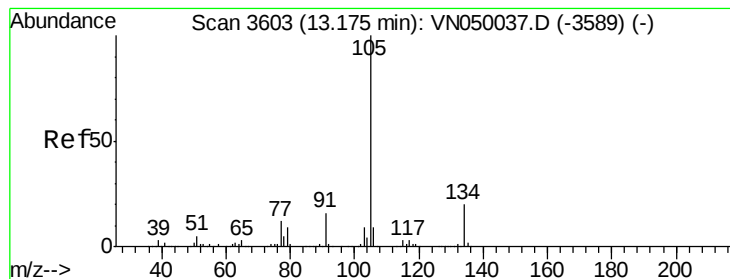
Tot Ion:119 Resp: 396028
Ion Ratio Lower Upper
119 100
91 63.7 0.0 126.8
134 24.2 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 17.74 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion:105 Resp: 471071
Ion Ratio Lower Upper
105 100
120 44.6 0.0 90.6





#81

sec-Butylbenzene

Concen: 17.06 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

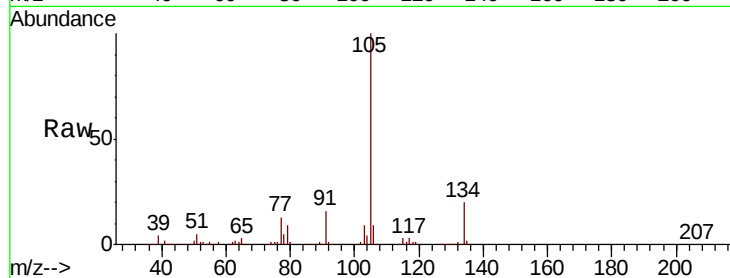
VN0803WBSD01

Tot Ion:105 Resp: 519166

Ion Ratio Lower Upper

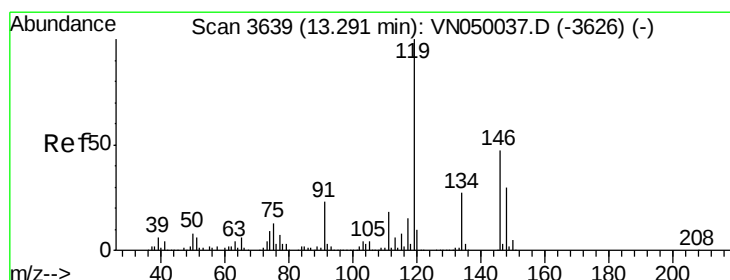
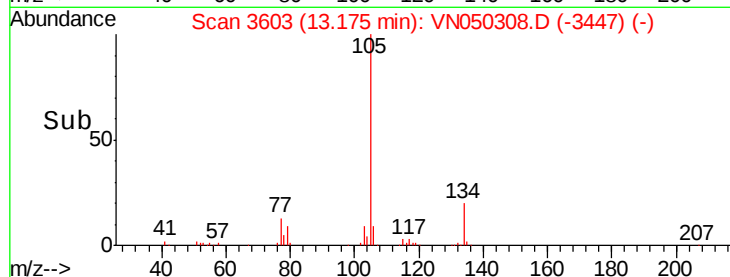
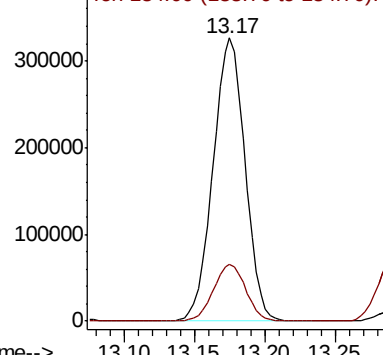
105 100

134 20.1 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.08 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

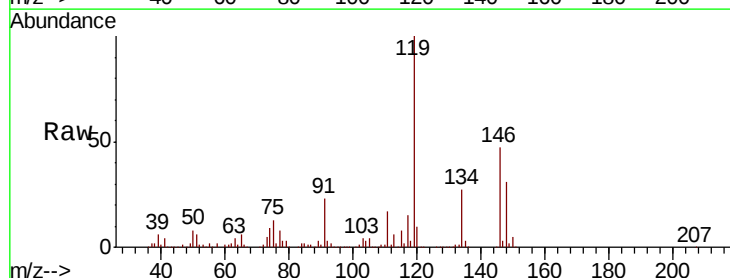
Tgt Ion:119 Resp: 443534

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.2

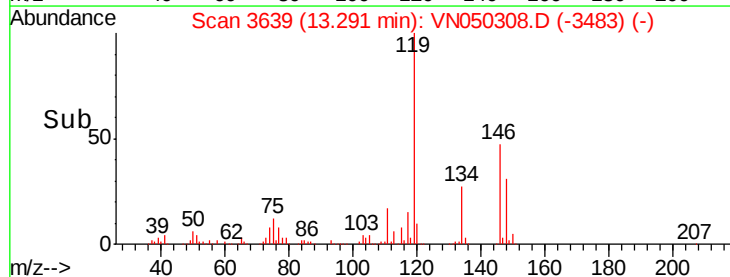
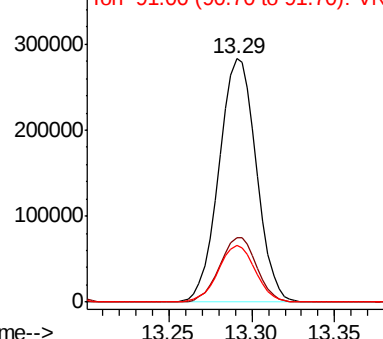
91 23.1 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

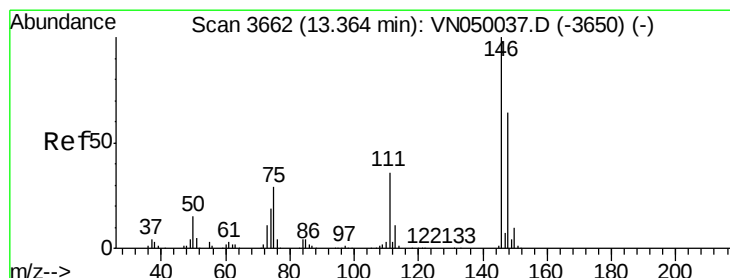
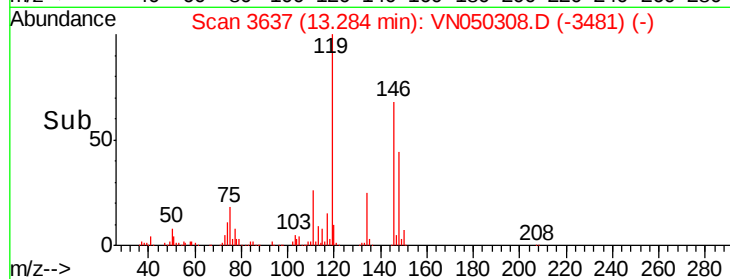
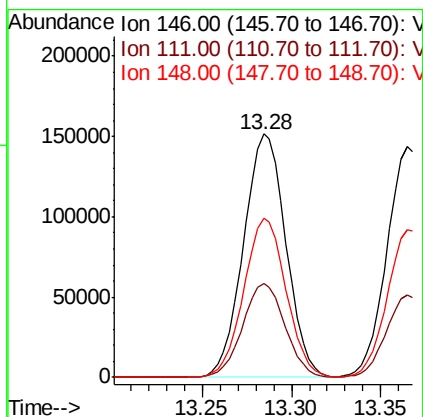
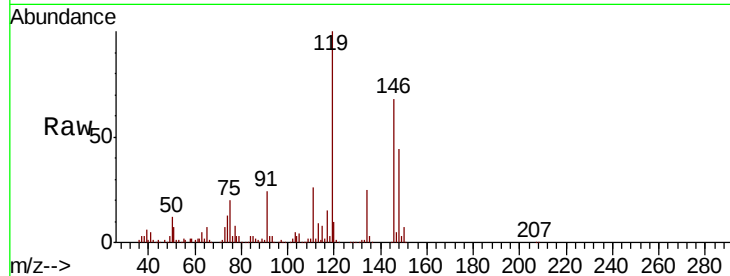




#83
 1,3-Dichlorobenzene
 Concen: 16.98 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

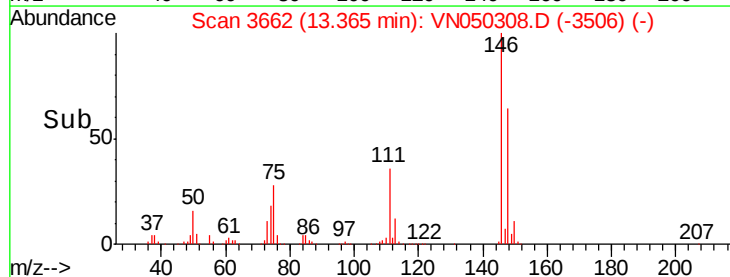
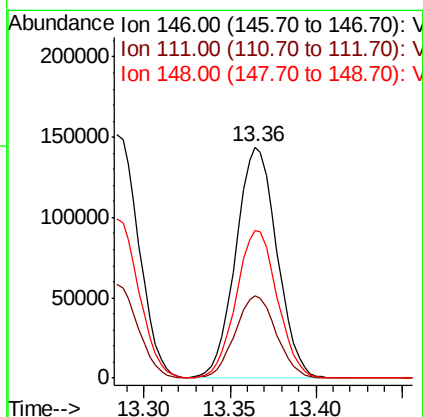
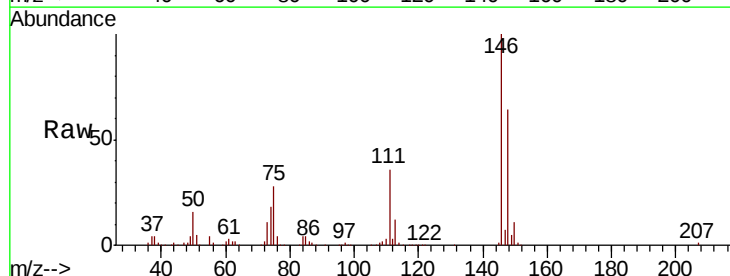
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

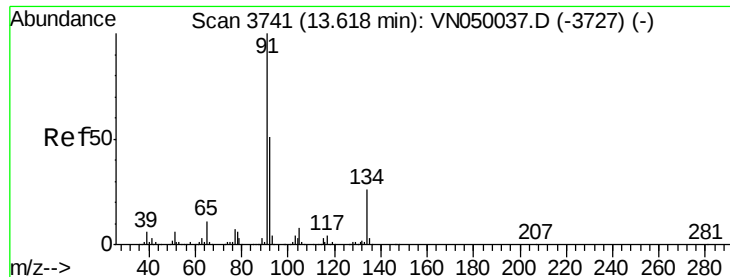
Tot Ion:146 Resp: 251280
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.1
 148 65.3 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 17.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion:146 Resp: 237778
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.9 53.8
 148 64.0 32.4 97.0

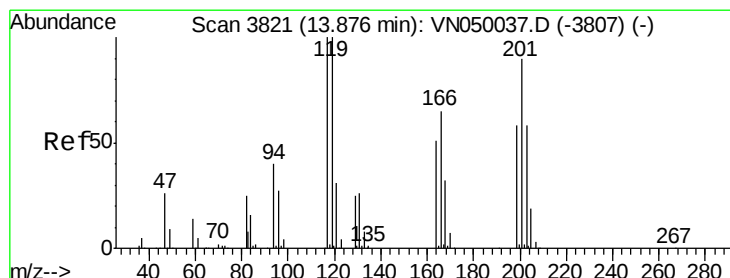
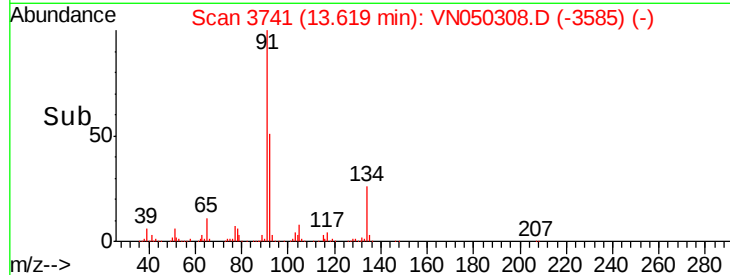
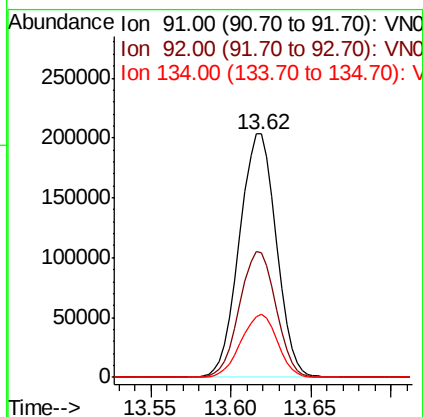
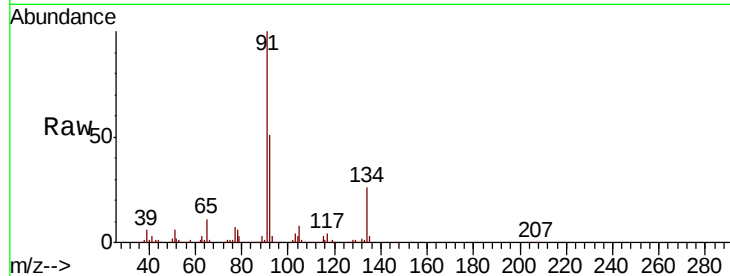




#85
n-Butylbenzene
Concen: 15.23 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

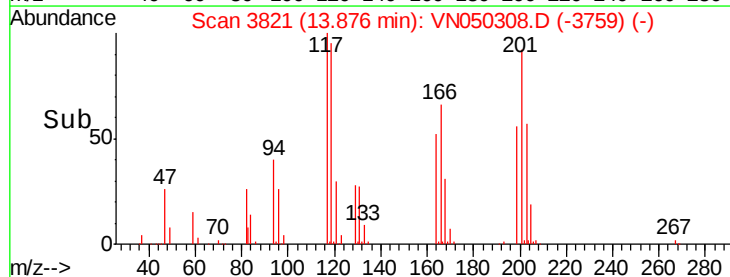
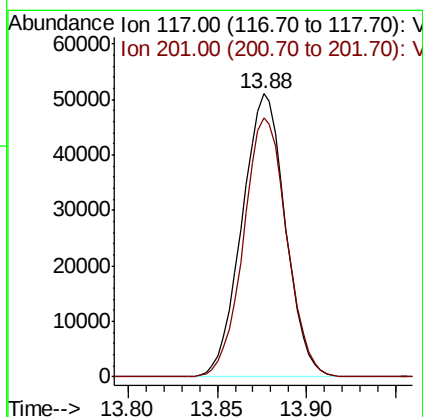
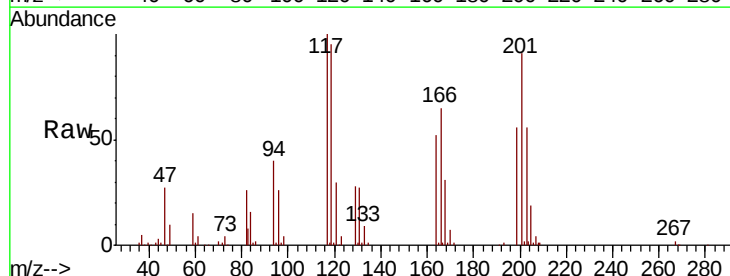
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

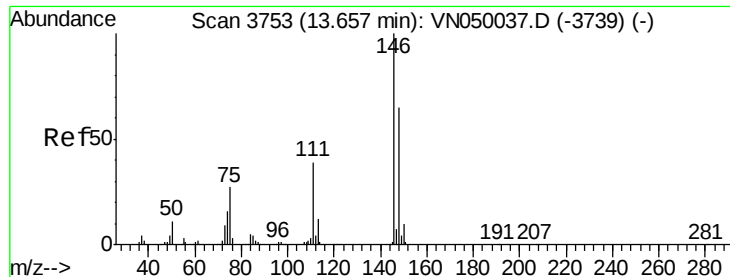
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	102.8
134	25.4	0.0	51.0



#86
Hexachloroethane
Concen: 16.69 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	46.6	139.7

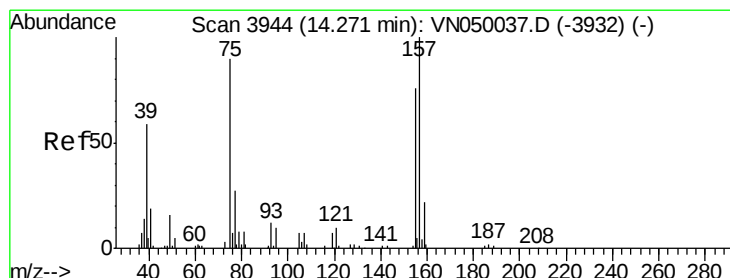
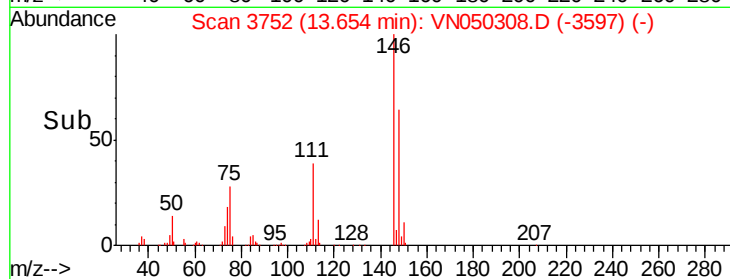
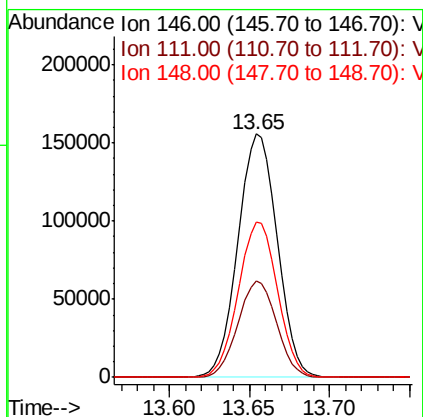
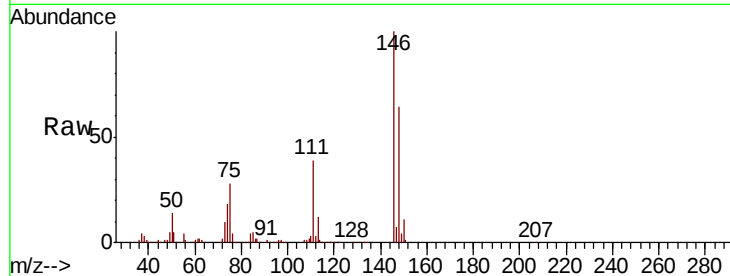




#87
 1,2-Dichlorobenzene
 Concen: 18.03 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

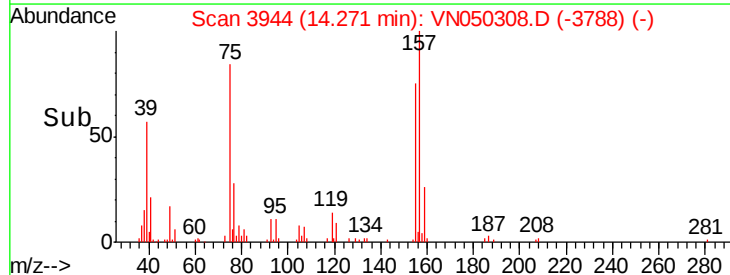
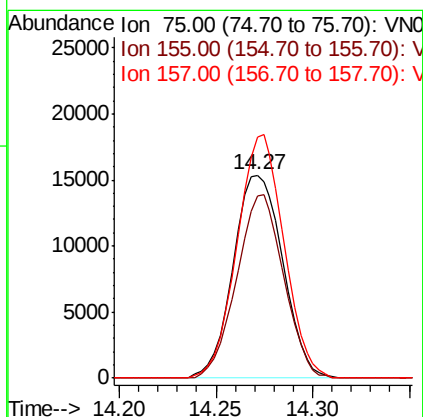
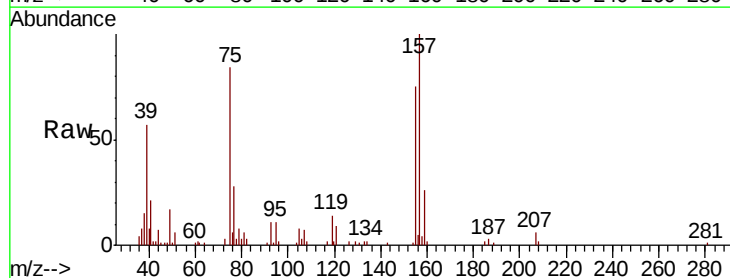
Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBSD01

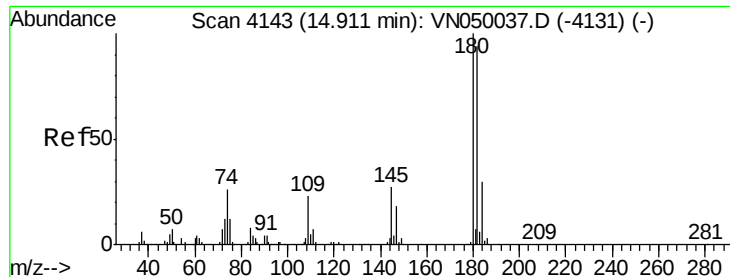
Tot Ion:	146	Resp:	260805
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.8	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion:	75	Resp:	27352
Ion	Ratio	Lower	Upper
75	100		
155	85.6	73.0	109.6
157	113.5	94.9	142.3

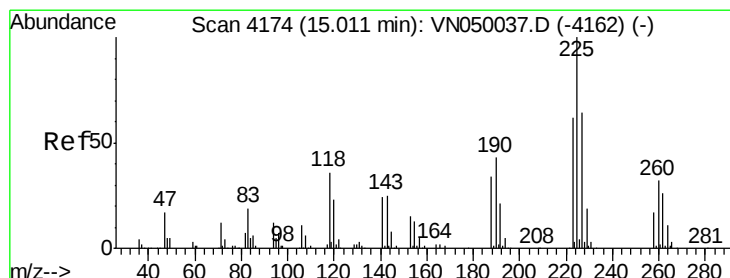
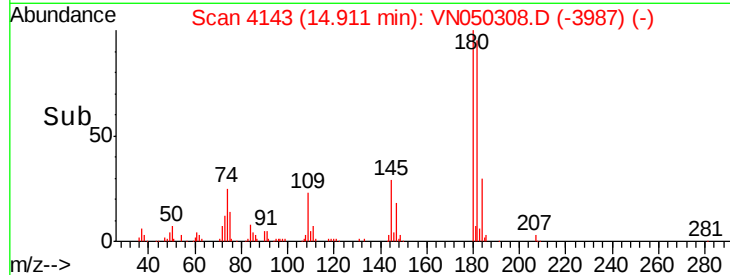
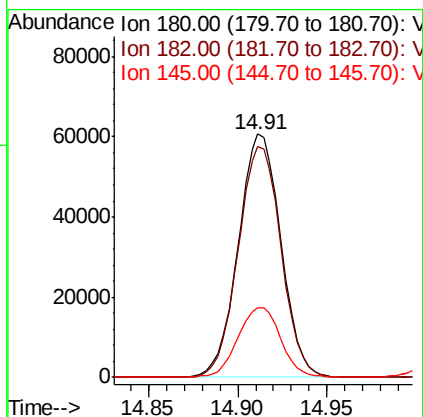
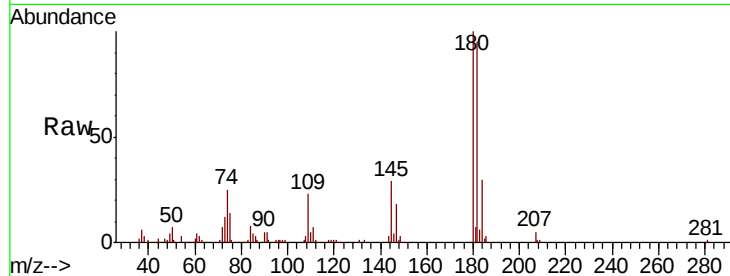




#89
 1,2,4-Trichlorobenzene
 Concen: 14.60 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

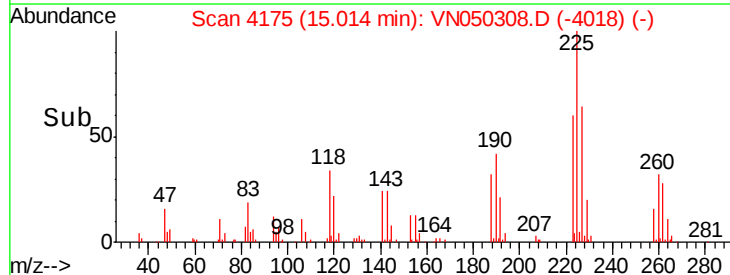
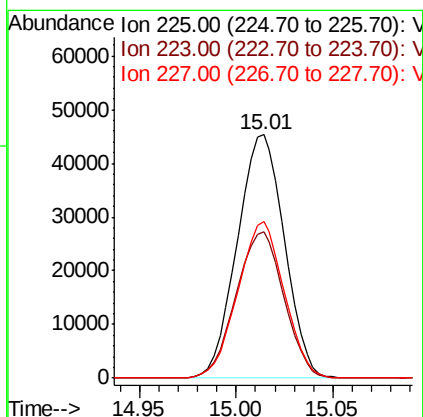
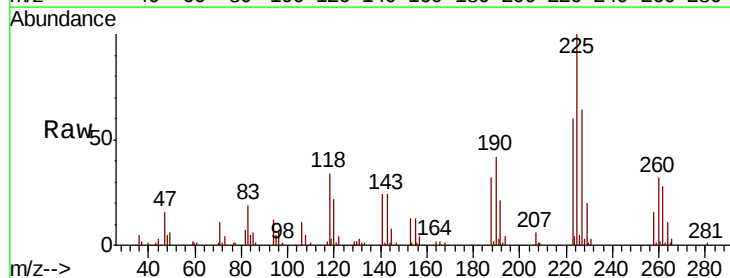
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

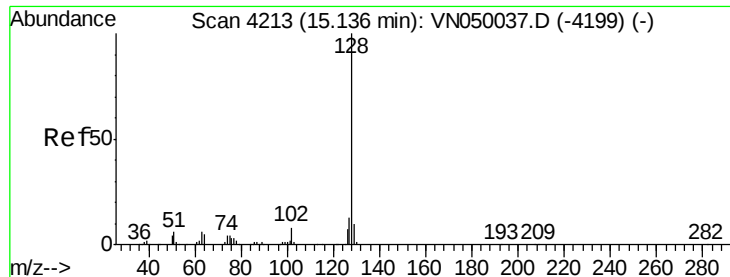
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
145	28.9	23.4	35.0



#90
 Hexachlorobutadiene
 Concen: 16.90 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	0.0	124.4
227	63.3	0.0	133.0





#91

Naphthalene

Concen: 17.85 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

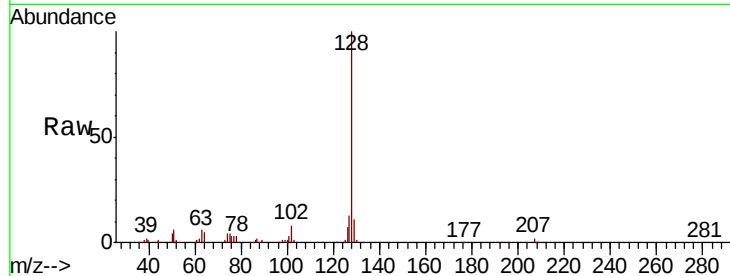
Tot Ion:128 Resp: 221060

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

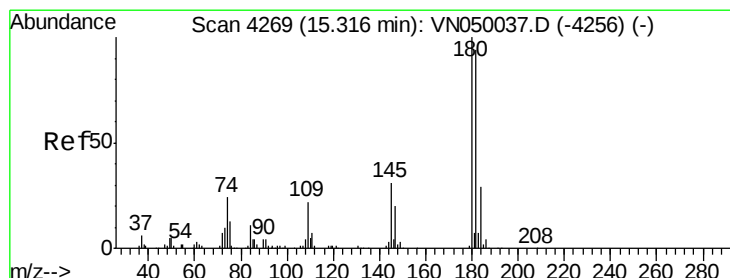
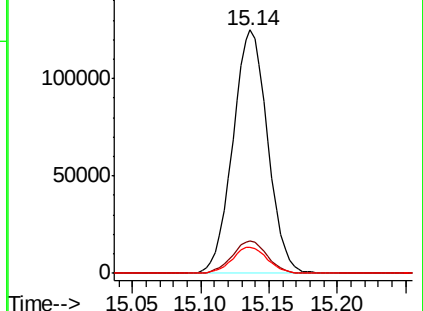
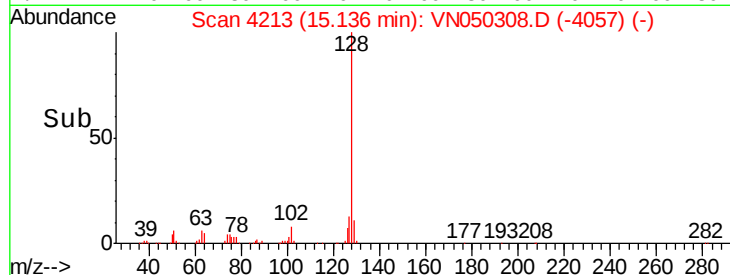
129 10.8 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.96 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

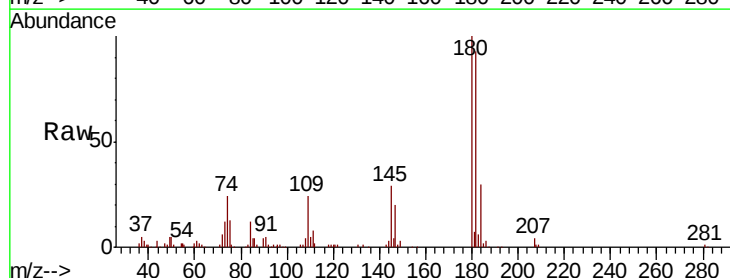
Tgt Ion:180 Resp: 112148

Ion Ratio Lower Upper

180 100

182 95.3 0.0 188.8

145 30.3 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

