

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051188.D
 Acq On : 14 Sep 2018 14:22
 Operator : MD\SY
 Sample : VN0914WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Quant Time: Sep 14 23:39:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	64565	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	803392	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	704514	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	311919	75.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	252.37%#
60) 4-Bromofluorobenzene	12.40	95	334132	31.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.30%
63) Toluene-d8	10.09	98	1122457	34.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	113.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	93793	23.39	ug/l	100
3) Chloromethane	2.06	50	123498	26.08	ug/l	99
4) Vinyl Chloride	2.18	62	130893	27.98	ug/l	100
5) Bromomethane	2.57	94	73072	25.63	ug/l	100
6) Chloroethane	2.70	64	78798	28.56	ug/l	95
7) Trichlorofluoromethane	3.01	101	185747	29.95	ug/l	100
8) Diethyl Ether	3.42	74	62255	28.47	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121449	31.62	ug/l	99
10) 1,1-Dichloroethene	3.74	96	105916	30.36	ug/l	94
11) Methyl Iodide	3.95	142	80784	24.82	ug/l	98
12) Methyl Acetate	4.33	43	90585	22.45	ug/l	99
13) Acrolein	3.61	56	38271	428.43	ug/l	99
14) Acrylonitrile	4.99	53	180322	132.20	ug/l	96
15) Acetone	3.82	58	46559	133.40	ug/l	93
16) Carbon Disulfide	4.05	76	294658	28.09	ug/l	99
17) Allyl chloride	4.33	41	155454	28.32	ug/l	96
18) Methylene Chloride	4.56	84	126094	30.79	ug/l	100
19) trans-1,2-Dichloroethene	5.04	96	112959	30.39	ug/l	97
20) Diisopropyl ether	5.96	45	353112	30.99	ug/l	99
21) 1,1-Dichloroethane	5.85	63	217165	31.08	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	128989	30.72	ug/l	99
23) tert-Butyl Alcohol	4.79	59	33896	116.85	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	270367	28.33	ug/l	100
25) Chloroform	7.37	83	224465	32.19	ug/l	99
26) Cyclohexane	7.65	56	177953	30.74	ug/l #	97
29) 1,1-Dichloropropene	7.80	75	161174	13.40	ug/l	98
30) 2-Butanone	6.84	43	190443	51.47	ug/l	99
31) 2,2-Dichloropropane	6.83	77	173126	14.79	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	188089	13.79	ug/l	99
33) Carbon Tetrachloride	7.77	117	168333	13.70	ug/l	96
34) Benzene	8.04	78	499066	13.41	ug/l	95
35) Methacrylonitrile	7.17	41	33832	8.35	ug/l	94
36) 1,2-Dichloroethane	8.13	62	151302	13.45	ug/l	100
37) Trichloroethene	8.84	130	134307	13.81	ug/l	96
38) Methylcyclohexane	9.08	83	163966	12.69	ug/l	99
39) 1,2-Dichloropropane	9.12	63	133872	13.78	ug/l	98
40) Dibromomethane	9.21	93	76496	13.07	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	165920	13.45	ug/l	97
42) Vinyl Acetate	5.90	43	1058302	62.10	ug/l	99
43) Ethyl Acetate	6.93	43	88038	11.61	ug/l	98
44) Isopropyl Acetate	8.17	43	152461	11.40	ug/l	97
45) 1,4-Dioxane	9.20	88	21001	211.37	ug/l	99
46) Methyl methacrylate	9.20	41	72605	10.84	ug/l	99
47) n-amyl Acetate	12.07	43	102071	9.49	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	148122	12.25	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	183558	13.21	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	113055	13.29	ug/l	99
51) Ethyl methacrylate	10.43	69	117794	11.32	ug/l	99
52) 1,3-Dichloropropane	10.71	76	180903	12.84	ug/l	99
53) Dibromochloromethane	10.90	129	127053	13.14	ug/l	98
54) 1,2-Dibromoethane	11.01	107	103037	12.25	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	238792	55.15	ug/l	100
56) Bromoform	12.13	173	85314	12.40	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	427606	53.05	ug/l	99
59) 2-Hexanone	10.75	43	256871	48.75	ug/l	100
61) Tetrachloroethene	10.63	164	121729	13.87	ug/l	98
62) Toluene	10.16	91	536213	13.64	ug/l	99
64) Chlorobenzene	11.44	112	330173	13.55	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	127238	13.83	ug/l	98
66) Ethyl Benzene	11.51	91	526642	12.94	ug/l	99
67) m/p-Xylenes	11.62	106	416788	26.61	ug/l	98
68) o-Xylene	11.95	106	197786	13.21	ug/l	98
69) Styrene	11.96	104	307729	12.93	ug/l	100
70) Isopropylbenzene	12.25	105	520601	13.09	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	129536	12.03	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	143285	15.42	ug/l	91
73) Bromobenzene	12.53	156	134219	12.83	ug/l	97
74) n-propylbenzene	12.59	91	572049	12.72	ug/l	100
75) 2-Chlorotoluene	12.67	91	353662	12.95	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	424713	13.07	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	26626	10.06	ug/l	94
78) 4-Chlorotoluene	12.77	91	338698	12.59	ug/l	98
79) tert-butylbenzene	12.99	119	363221	12.87	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	422510	13.04	ug/l	100
81) sec-Butylbenzene	13.17	105	470886	12.75	ug/l	99
82) p-Isopropyltoluene	13.29	119	400205	12.55	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	219008	12.38	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	205966	12.29	ug/l	97
85) n-Butylbenzene	13.62	91	271362	11.16	ug/l	99
86) Hexachloroethane	13.87	117	79537	13.00	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	211861	12.17	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15740	10.45	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	67633	8.72	ug/l	99
90) Hexachlorobutadiene	15.01	225	72258	13.72	ug/l	98
91) Naphthalene	15.13	128	113477	13.26	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	72649	9.34	ug/l	99

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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# 1688

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

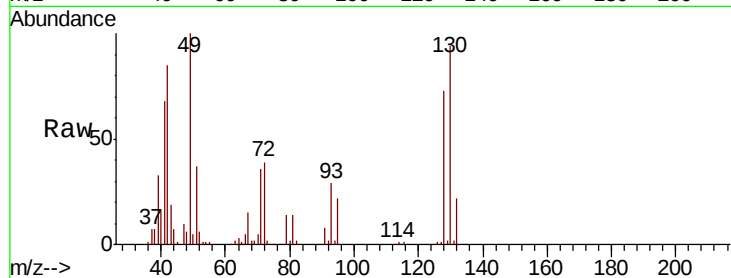
Tot Ion:128 Resp: 64565

Ion Ratio Lower Upper

128 100

49 146.2 0.0 380.3

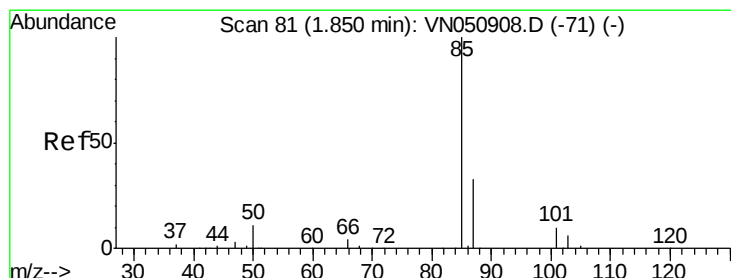
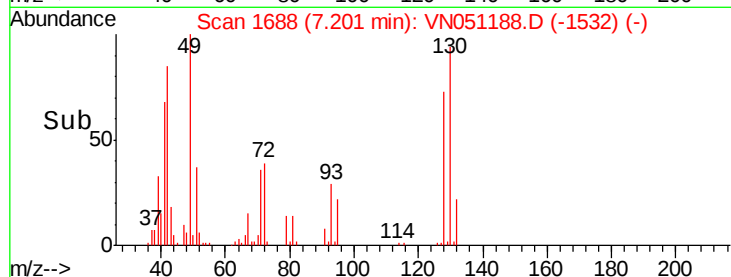
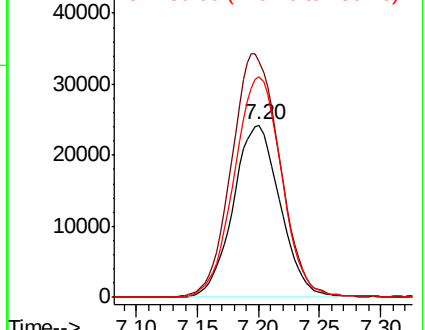
130 129.8 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 23.39 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051188.D

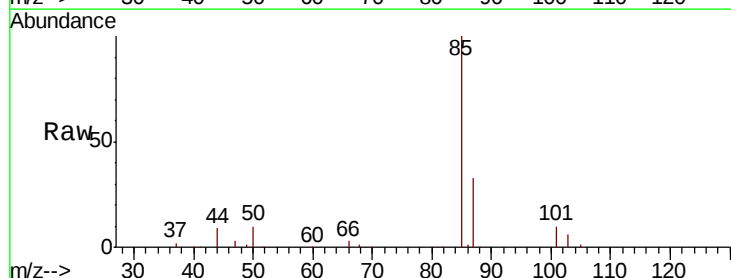
Acq: 14 Sep 2018 14:22

Tgt Ion: 85 Resp: 93793

Ion Ratio Lower Upper

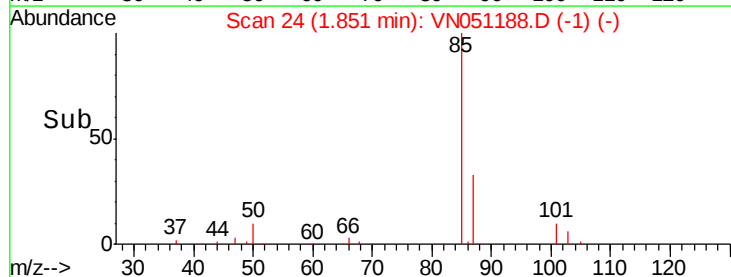
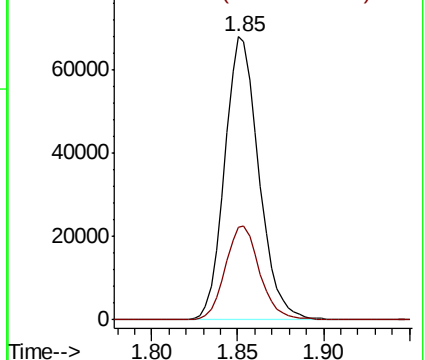
85 100

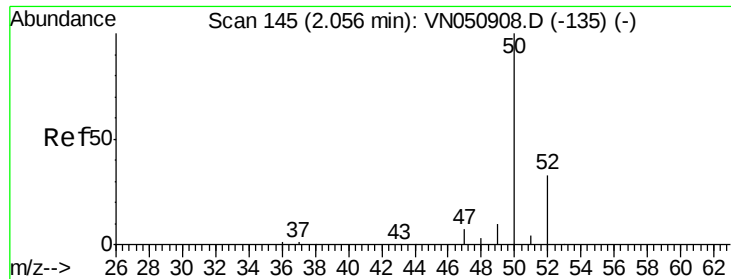
87 32.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

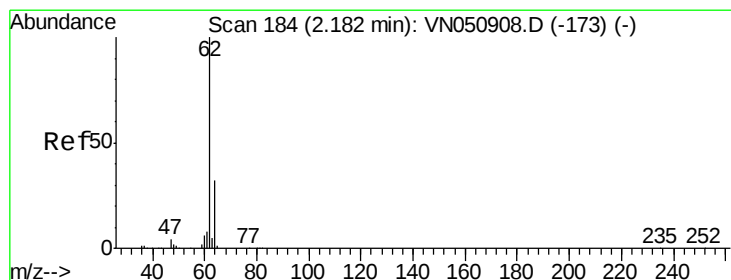
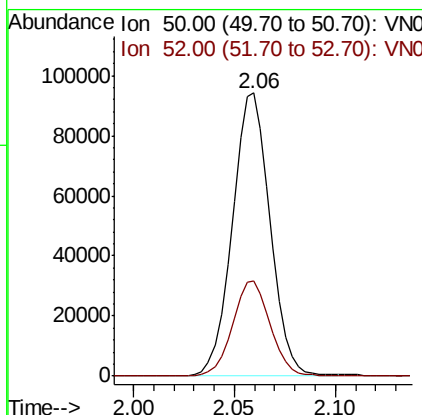
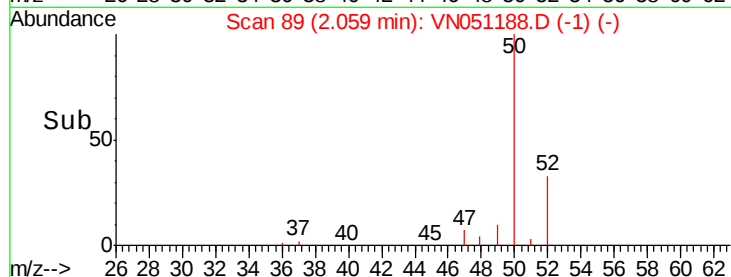
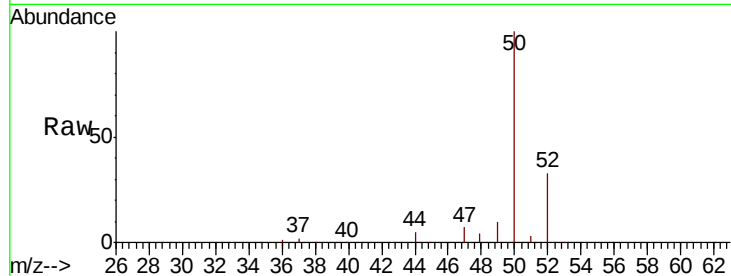




#3
Chloromethane
Concen: 26.08 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

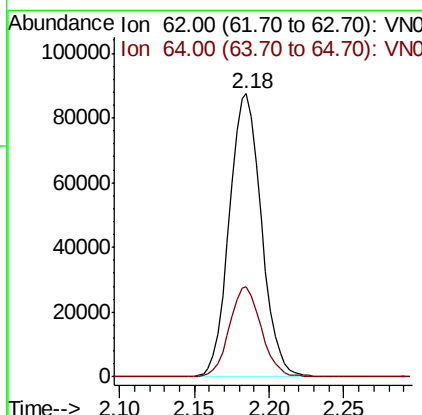
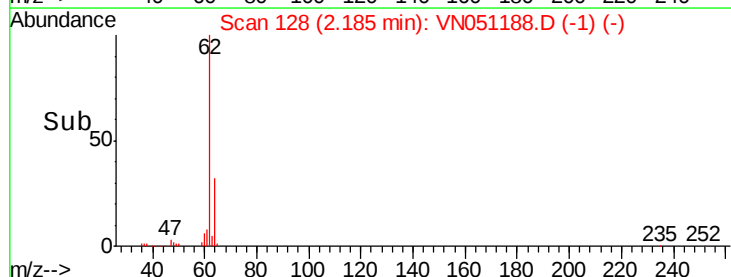
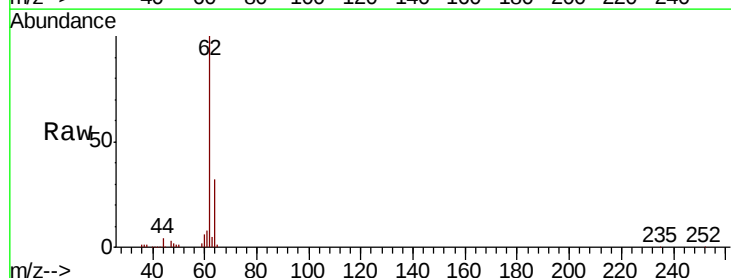
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS02

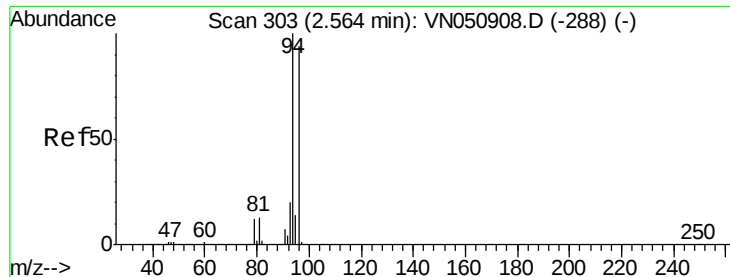
Tot Ion: 50 Resp: 123498
Ion Ratio Lower Upper
50 100
52 33.5 26.2 39.4



#4
Vinyl Chloride
Concen: 27.98 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 62 Resp: 130893
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





#5

Bromomethane

Concen: 25.63 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

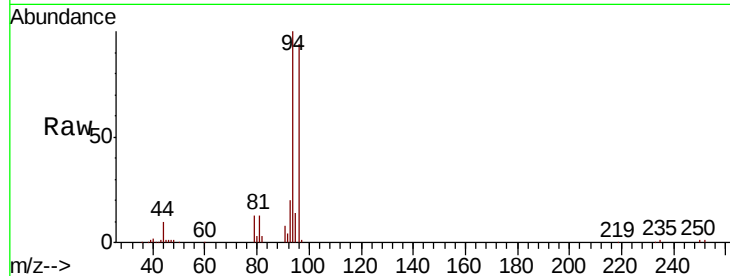
VN0914WBS02

Tot Ion: 94 Resp: 73072

Ion Ratio Lower Upper

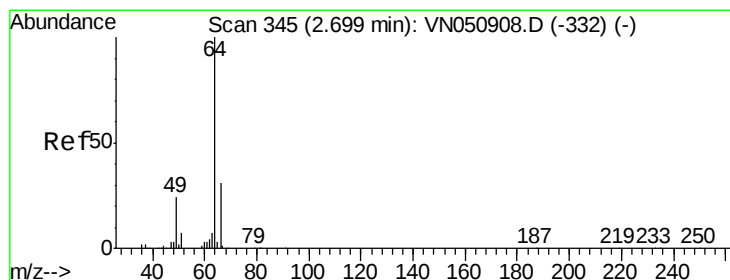
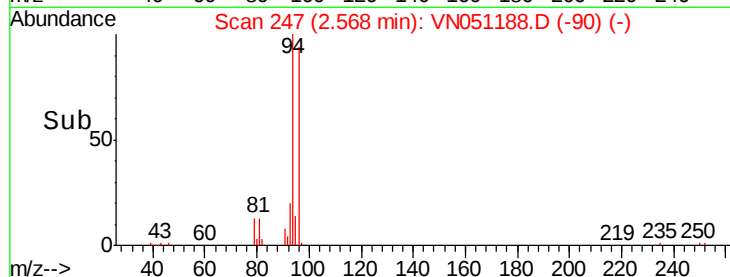
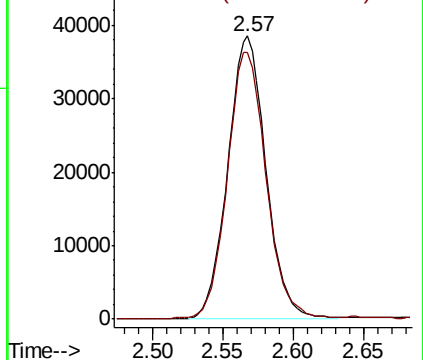
94 100

96 93.7 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 28.56 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051188.D

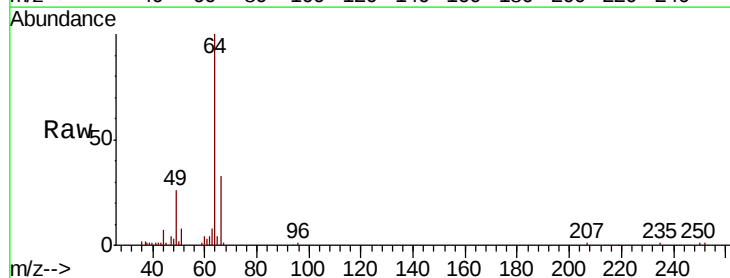
Acq: 14 Sep 2018 14:22

Tgt Ion: 64 Resp: 78798

Ion Ratio Lower Upper

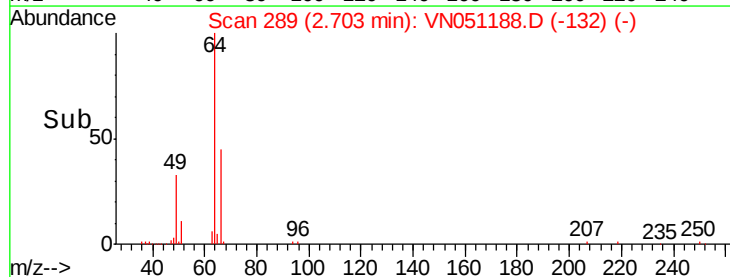
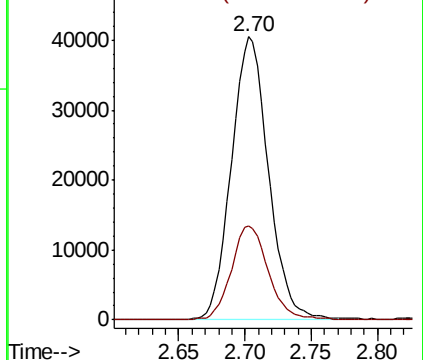
64 100

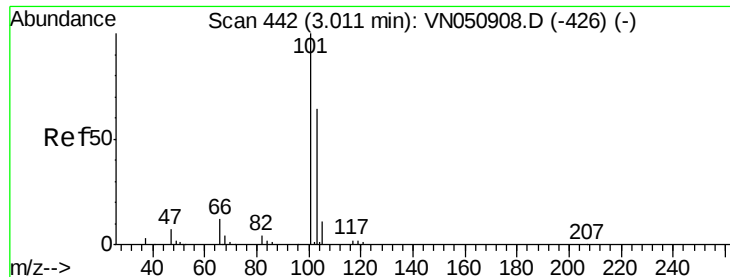
66 33.4 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 29.95 ug/l

RT: 3.01 min Scan# 386

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

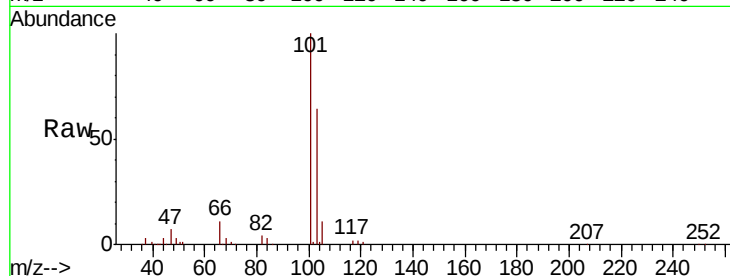
VN0914WBS02

Tot Ion:101 Resp: 185747

Ion Ratio Lower Upper

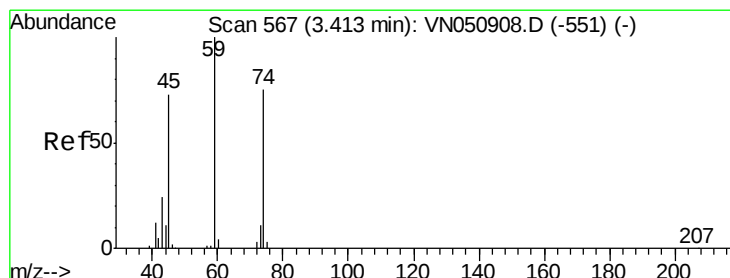
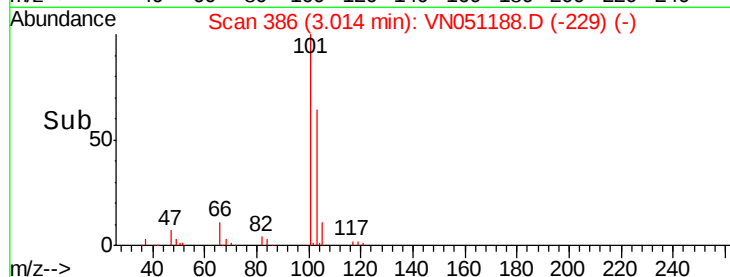
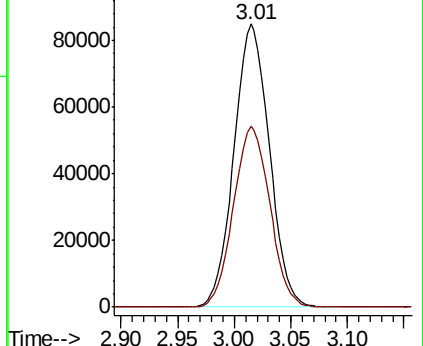
101 100

103 63.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 28.47 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN051188.D

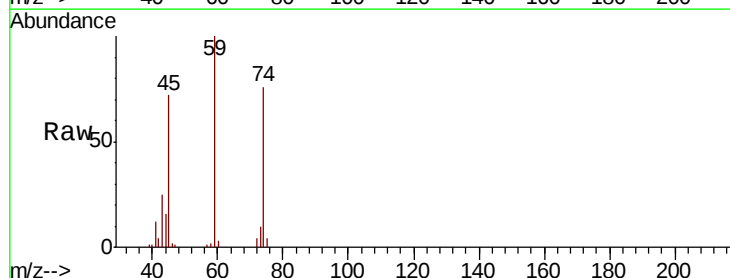
Acq: 14 Sep 2018 14:22

Tgt Ion: 74 Resp: 62255

Ion Ratio Lower Upper

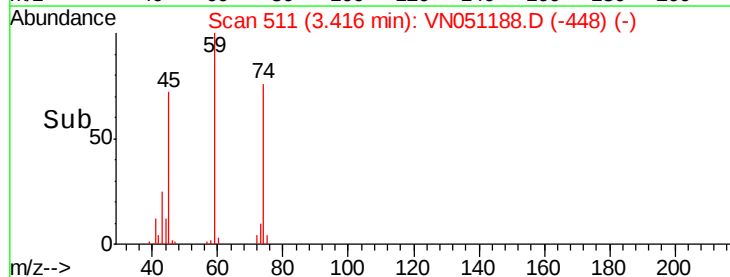
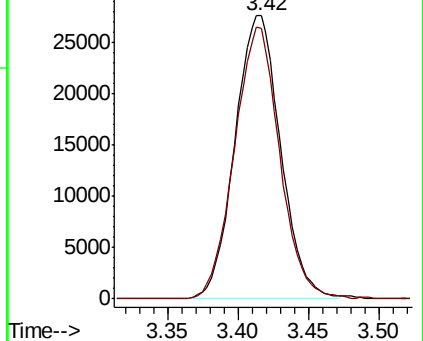
74 100

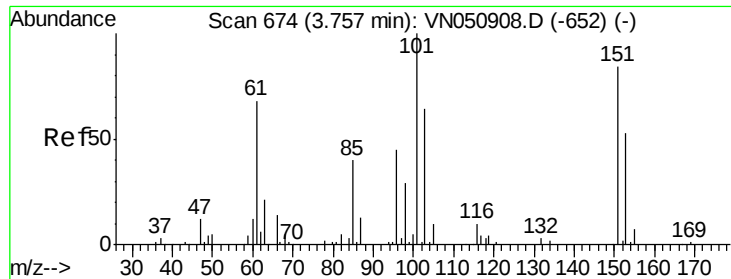
45 95.2 19.7 177.1



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: 31.62 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS02

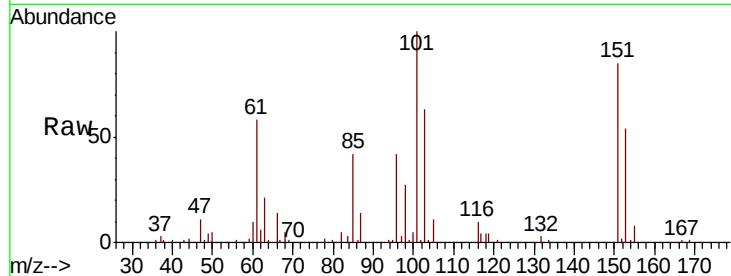
Tot Ion:101 Resp: 121449

Ion Ratio Lower Upper

101 100

85 41.4 0.0 83.6

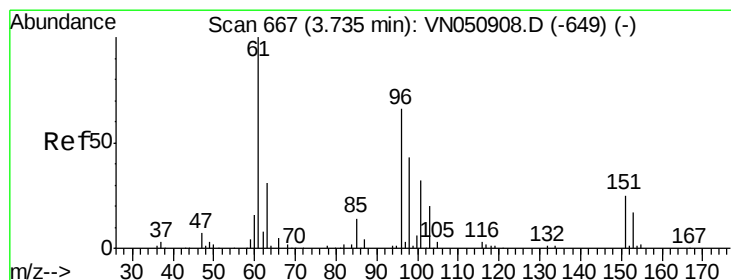
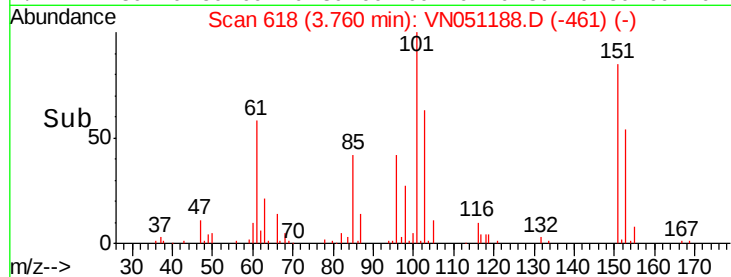
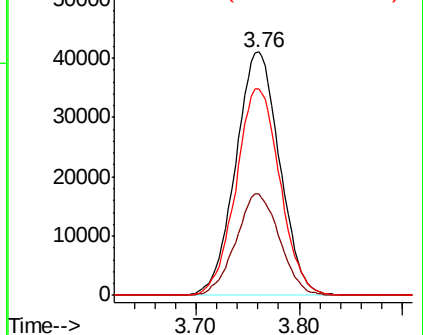
151 84.9 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 30.36 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

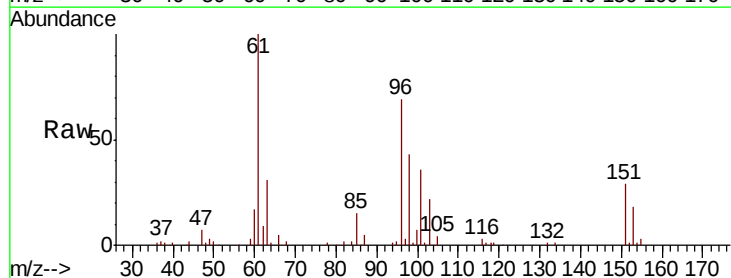
Tgt Ion: 96 Resp: 105916

Ion Ratio Lower Upper

96 100

61 143.6 121.8 182.8

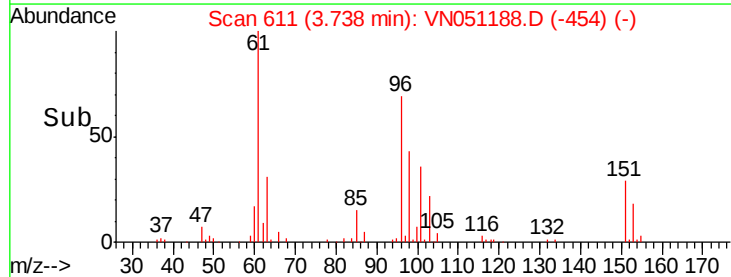
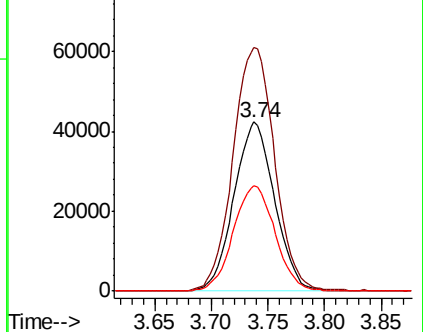
98 62.5 52.3 78.5

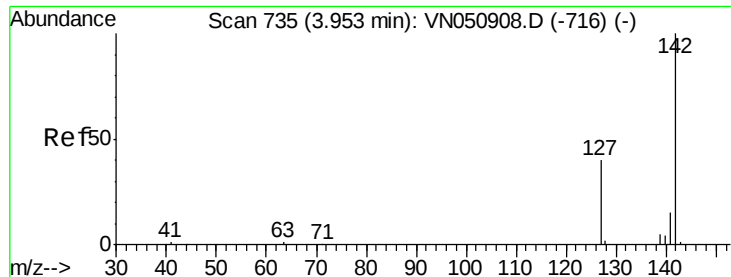


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

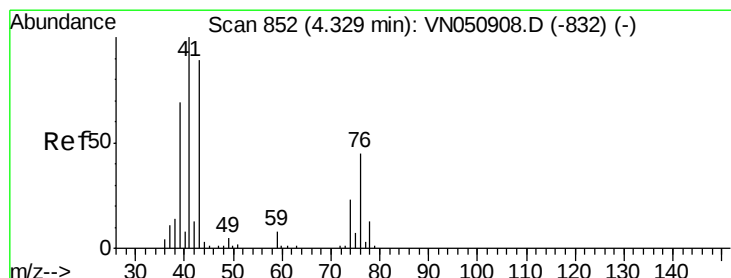
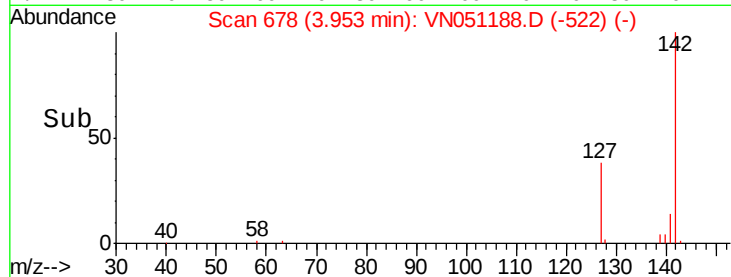
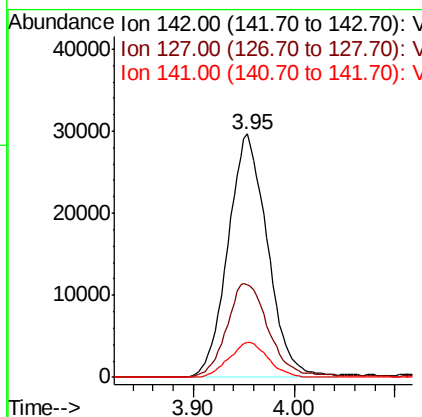
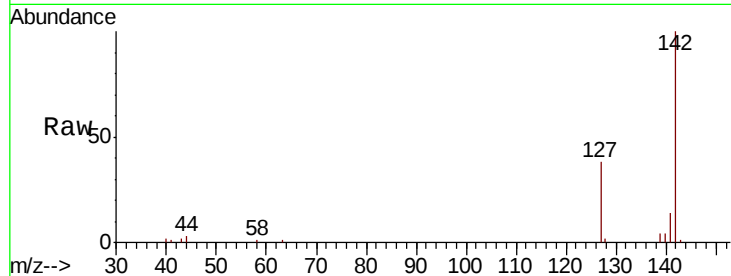




#11
Methvl Iodide
Concen: 24.82 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

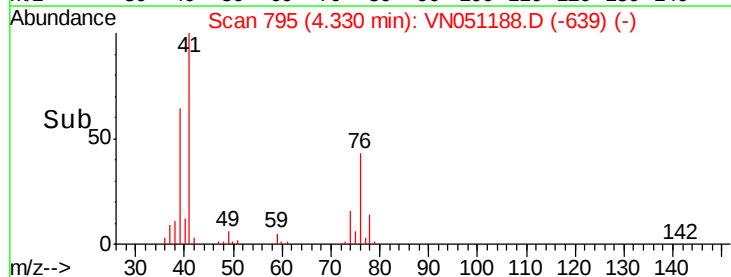
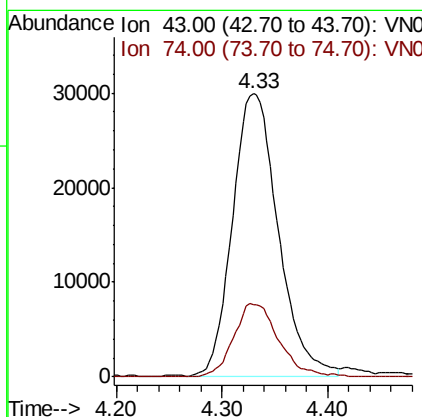
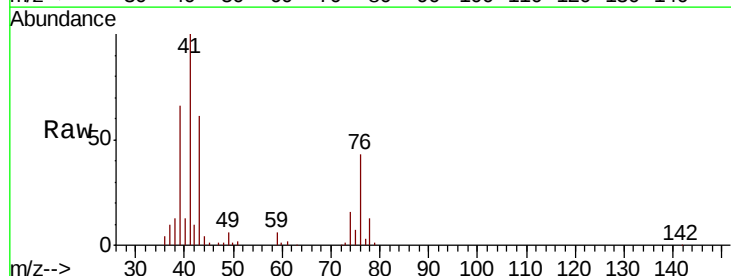
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

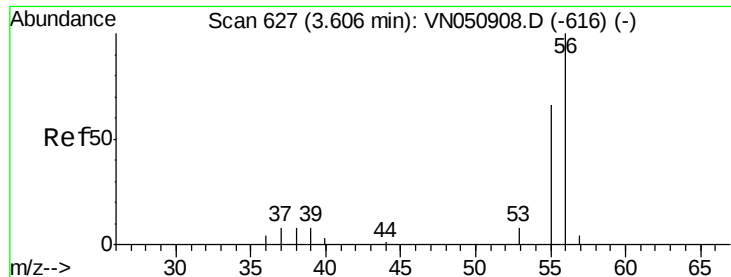
Tot Ion:142 Resp: 80784
Ion Ratio Lower Upper
142 100
127 37.6 19.7 59.1
141 14.3 7.3 22.0



#12
Methyl Acetate
Concen: 22.45 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 43 Resp: 90585
Ion Ratio Lower Upper
43 100
74 25.4 20.6 31.0





#13

Acrolein

Concen: 428.43 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

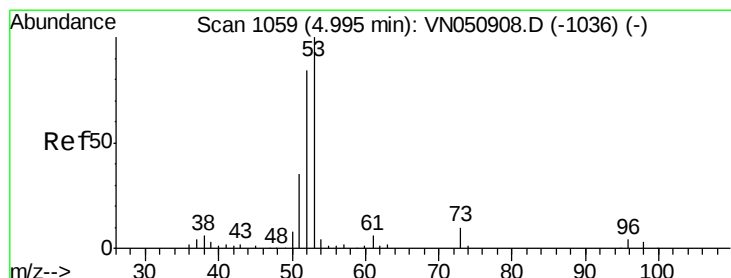
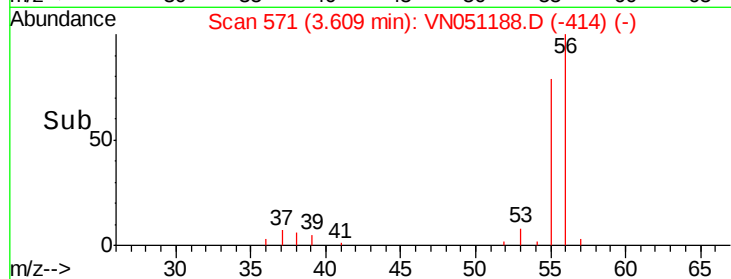
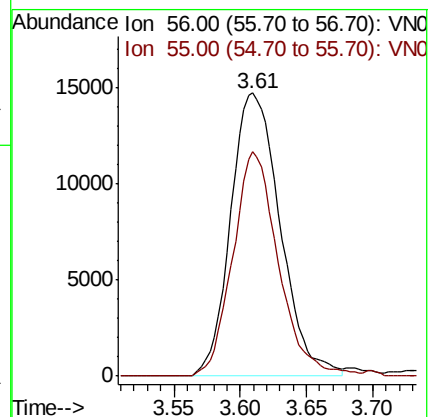
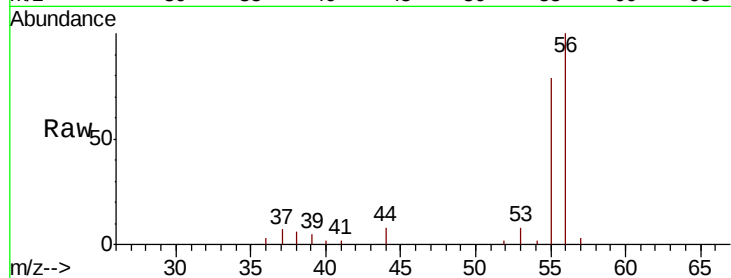
VN0914WBS02

Tot Ion: 56 Resp: 38271

Ion Ratio Lower Upper

56 100

55 72.9 59.1 88.7



#14

Acrylonitrile

Concen: 132.20 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

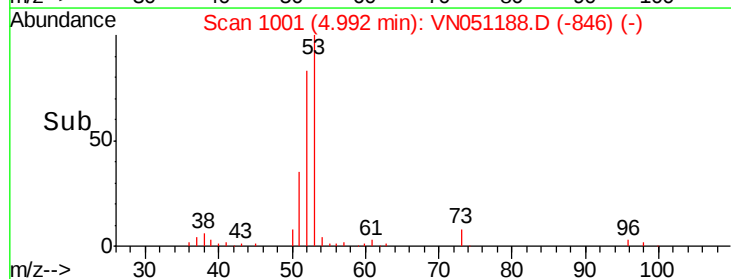
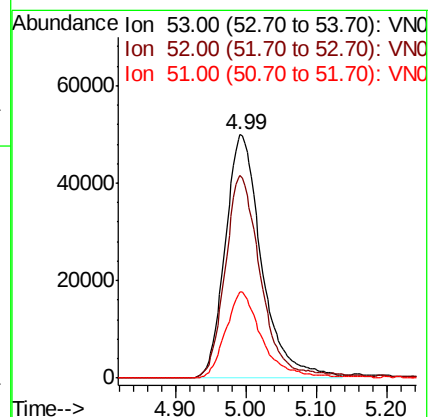
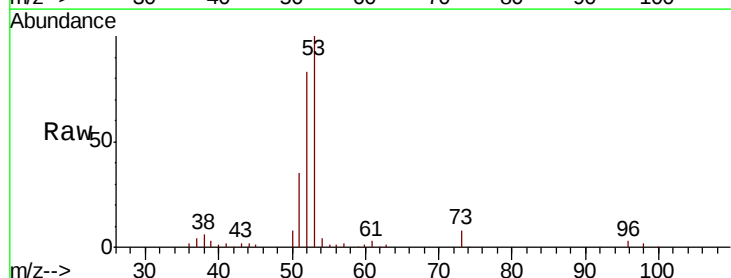
Tgt Ion: 53 Resp: 180322

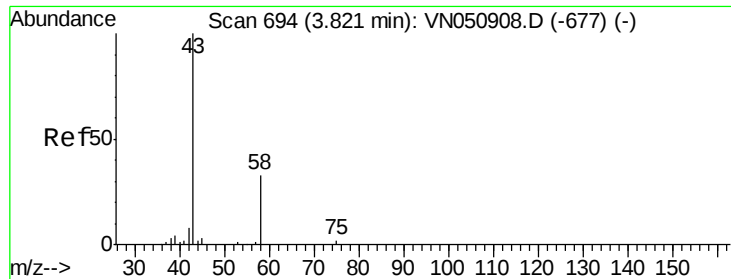
Ion Ratio Lower Upper

53 100

52 79.4 42.2 126.6

51 34.9 17.7 53.1





#15

Acetone

Concen: 133.40 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

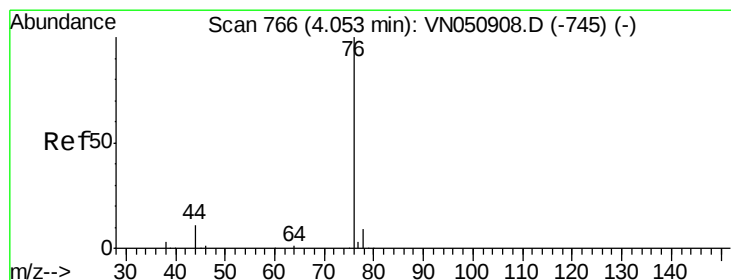
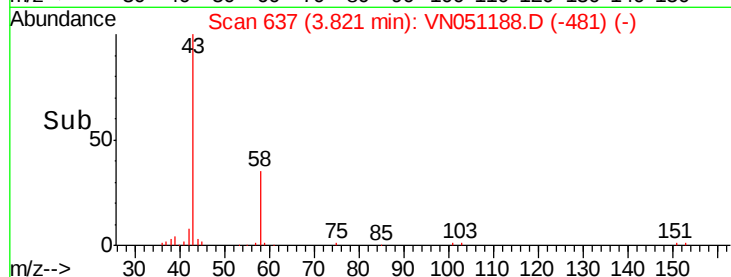
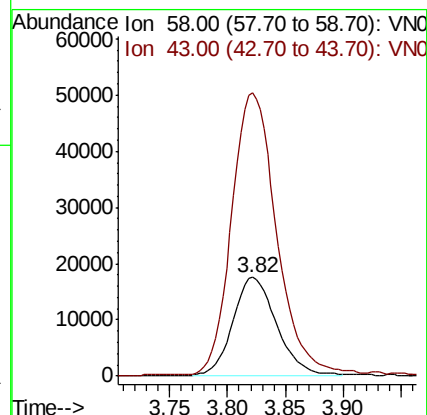
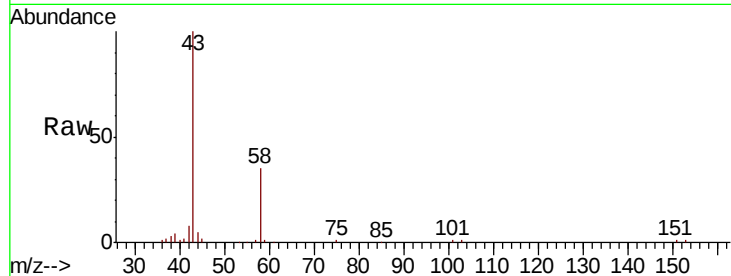
VN0914WBS02

Tot Ion: 58 Resp: 46559

Ion Ratio Lower Upper

58 100

43 284.6 239.4 359.0



#16

Carbon Disulfide

Concen: 28.09 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051188.D

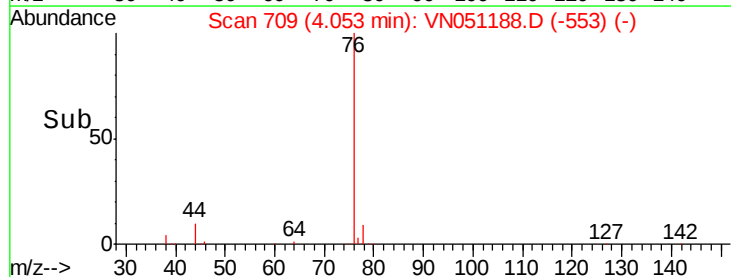
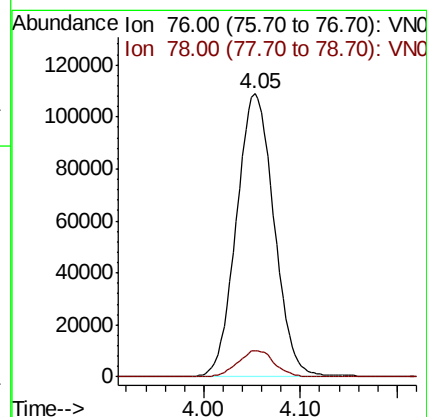
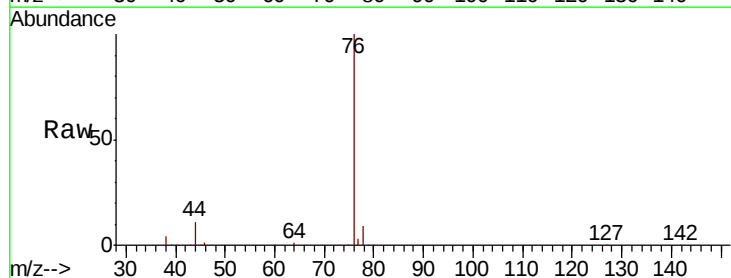
Acq: 14 Sep 2018 14:22

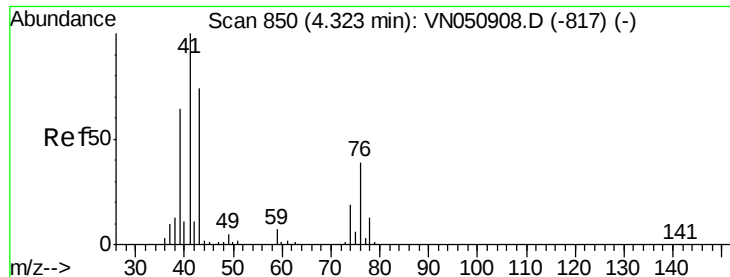
Tgt Ion: 76 Resp: 294658

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

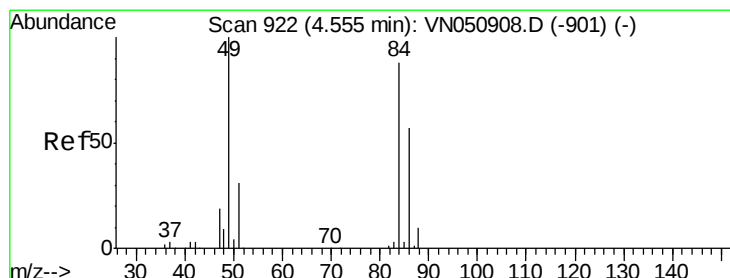
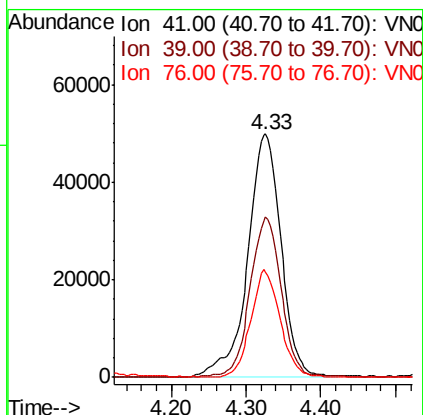
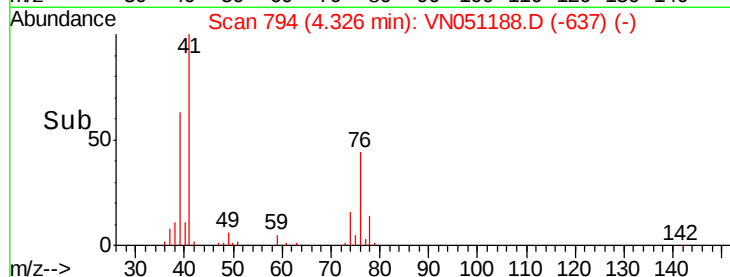
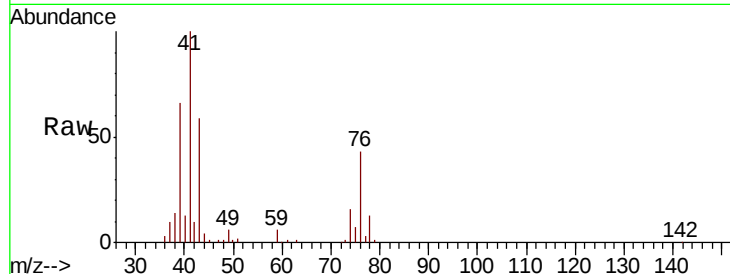




#17
Allvl chloride
Concen: 28.32 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

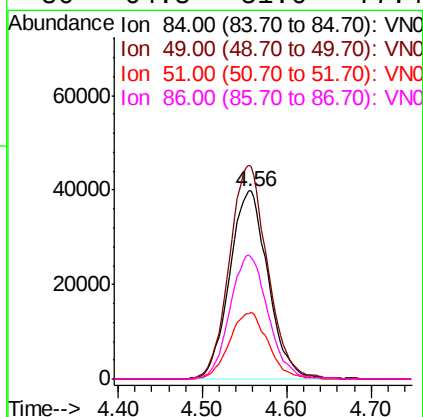
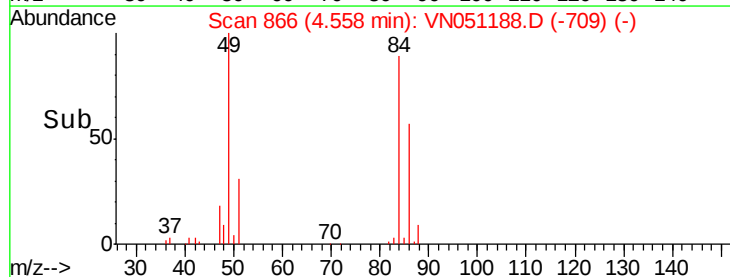
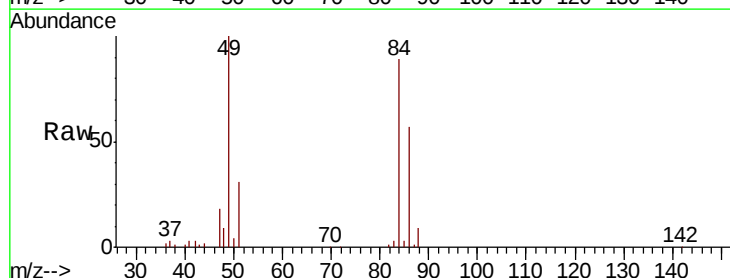
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

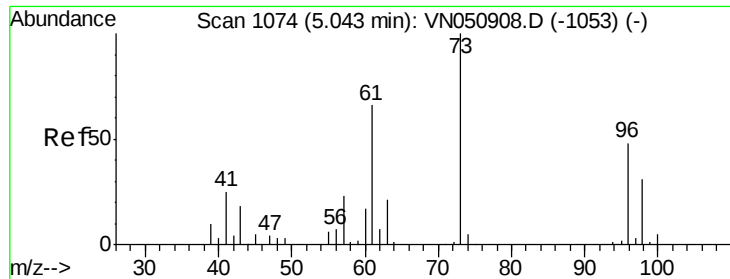
Tot Ion: 41 Resp: 155454
Ion Ratio Lower Upper
41 100
39 65.7 32.2 96.6
76 43.5 19.6 58.7



#18
Methylene Chloride
Concen: 30.79 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 84 Resp: 126094
Ion Ratio Lower Upper
84 100
49 112.9 90.6 135.8
51 35.2 28.4 42.6
86 64.8 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 30.39 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

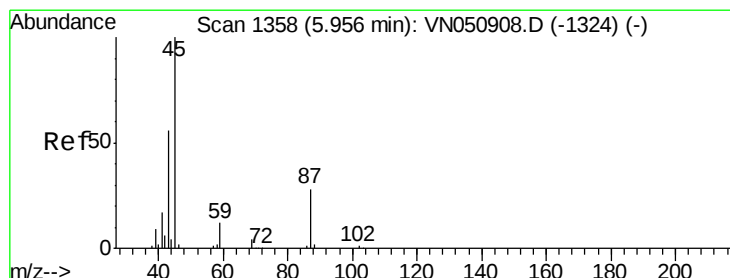
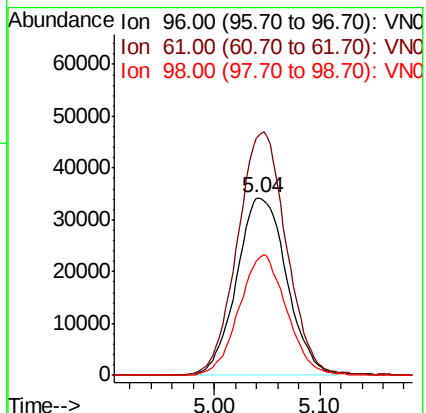
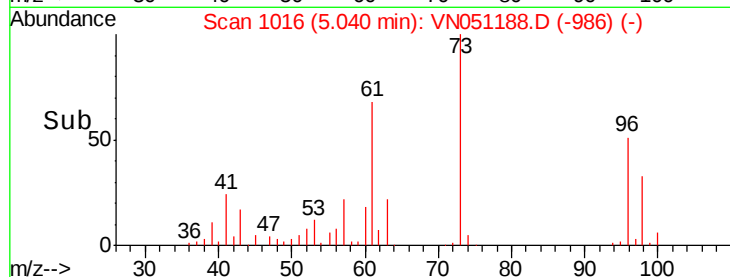
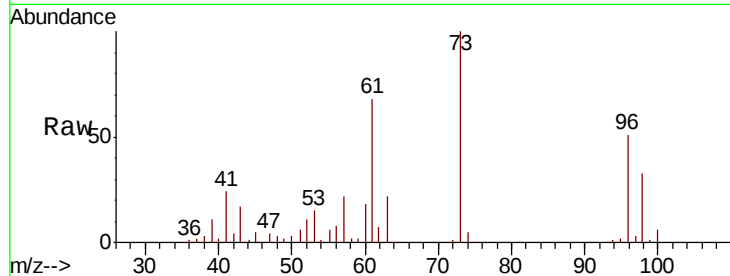
Tot Ion: 96 Resp: 112959

Ion Ratio Lower Upper

96 100

61 132.7 109.5 164.3

98 64.5 51.9 77.9



#20

Diisopropyl ether

Concen: 30.99 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Tgt Ion: 45 Resp: 353112

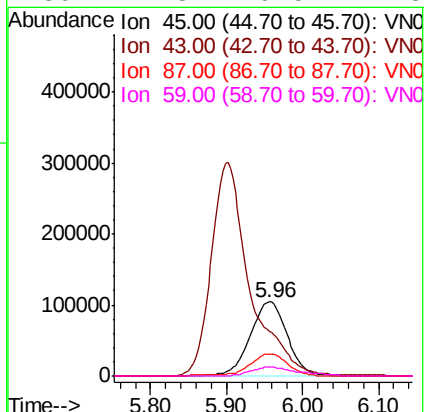
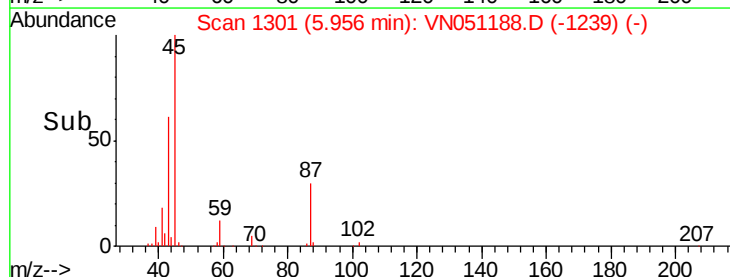
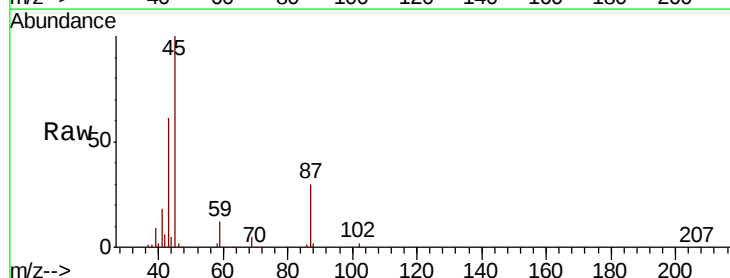
Ion Ratio Lower Upper

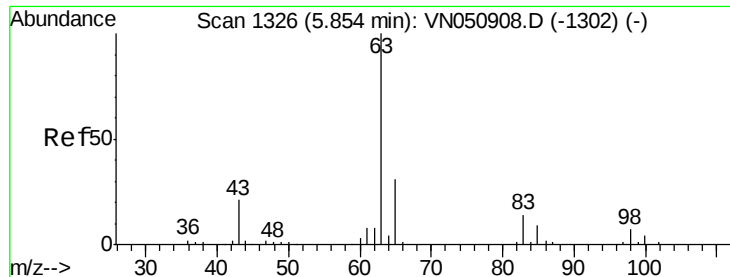
45 100

43 59.4 47.0 70.6

87 29.6 22.8 34.2

59 11.8 9.5 14.3

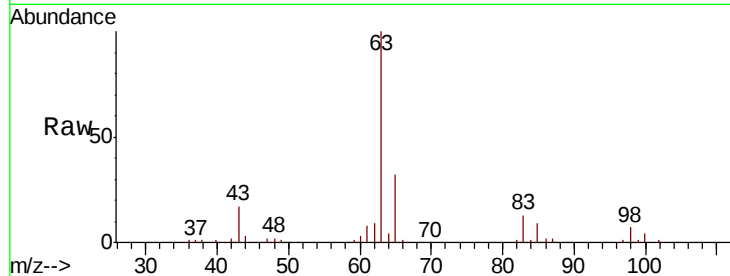




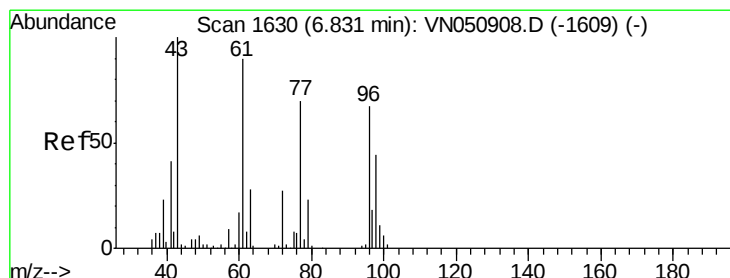
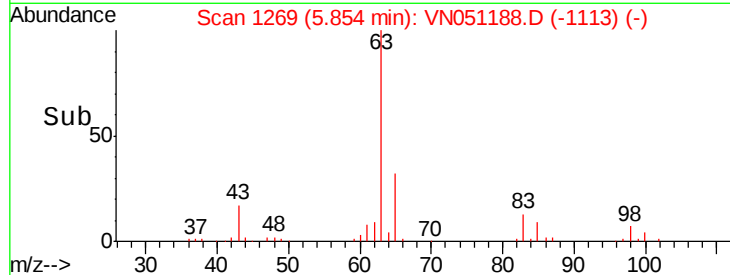
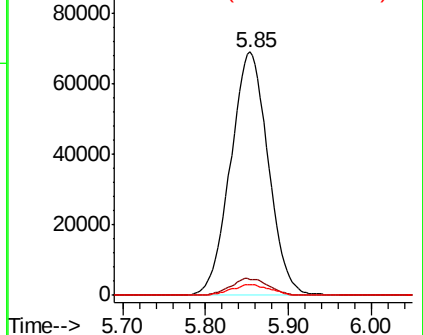
#21
 1,1-Dichloroethane
 Concen: 31.08 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion:	63	Resp:	217165
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.4	2.0	6.0

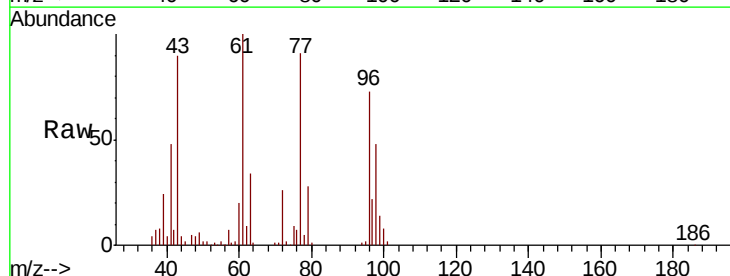


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

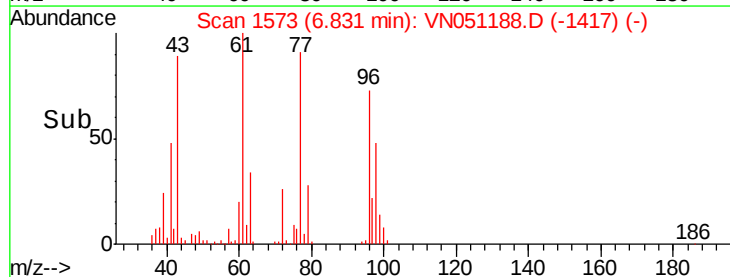
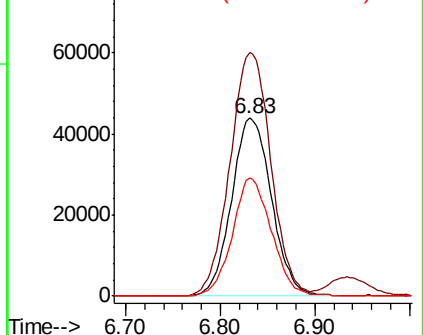


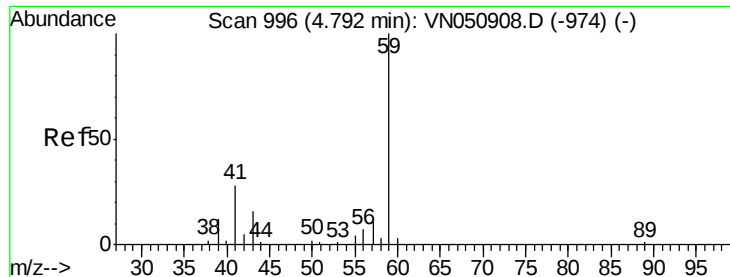
#22
 cis-1,2-Dichloroethene
 Concen: 30.72 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion:	96	Resp:	128989
Ion	Ratio	Lower	Upper
96	100		
61	139.9	110.0	165.0
98	64.5	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: 116.85 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

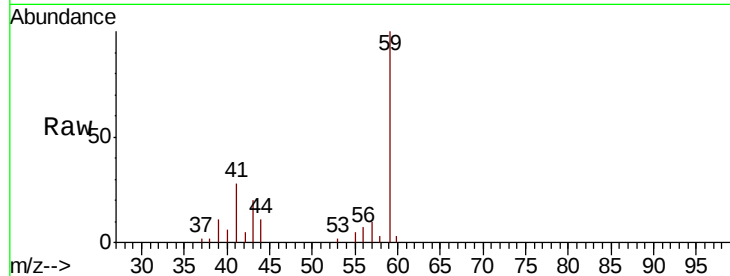
VN0914WBS02

Tot Ion: 59 Resp: 33896

Ion Ratio Lower Upper

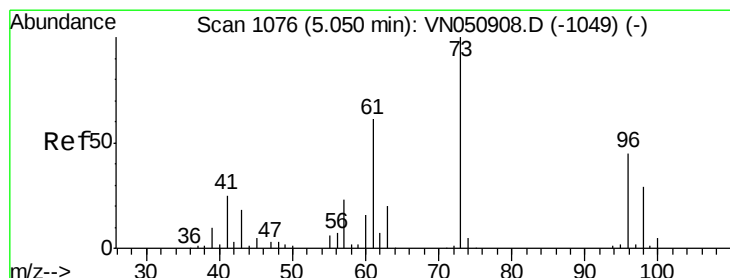
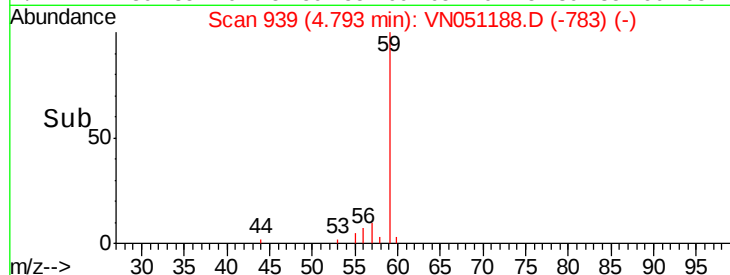
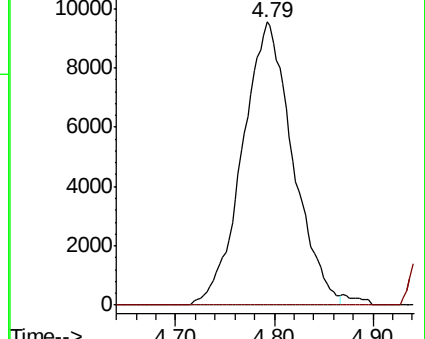
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050908.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-974) (-)



#24

Methyl tert-Butyl Ether

Concen: 28.33 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051188.D

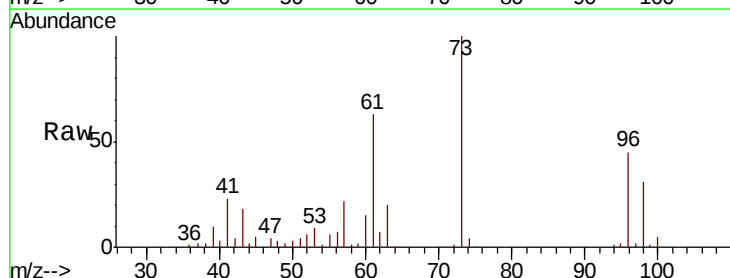
Acq: 14 Sep 2018 14:22

Tgt Ion: 73 Resp: 270367

Ion Ratio Lower Upper

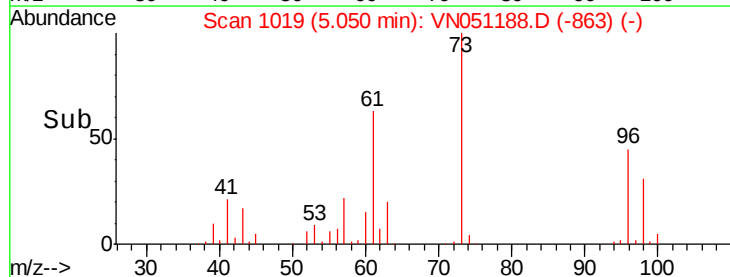
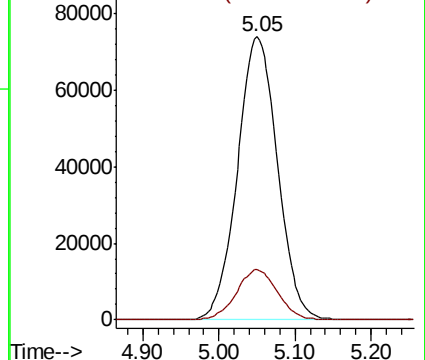
73 100

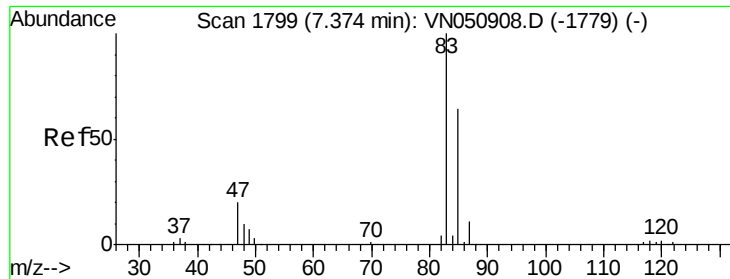
43 18.2 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN050908.D (-1049) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-1049) (-)

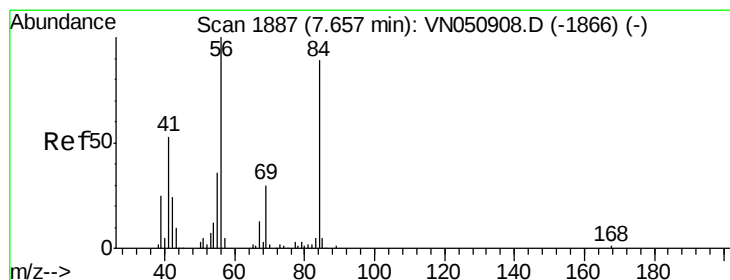
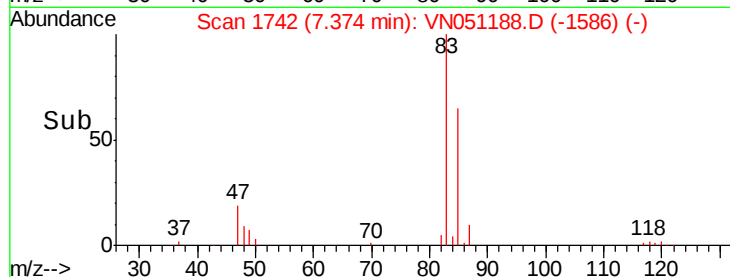
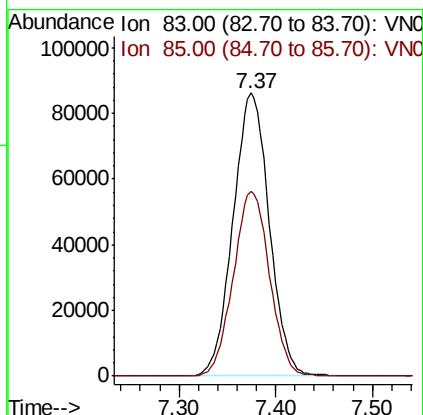
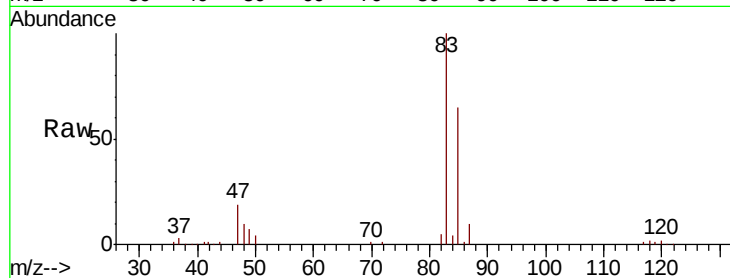




#25
Chloroform
Concen: 32.19 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

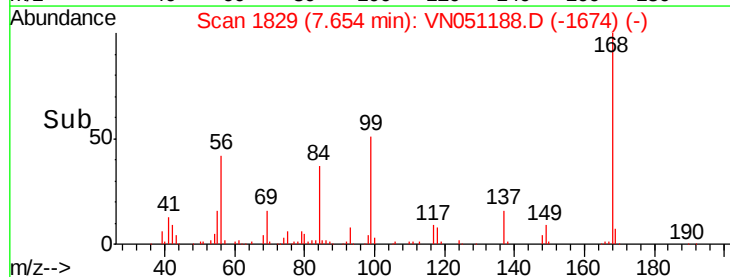
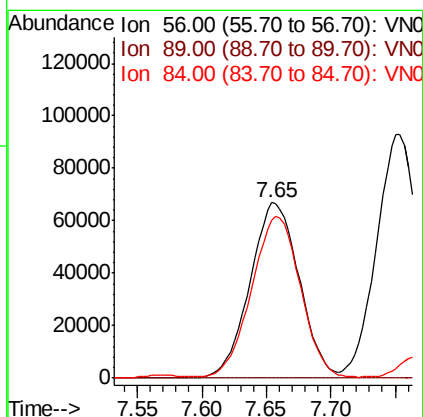
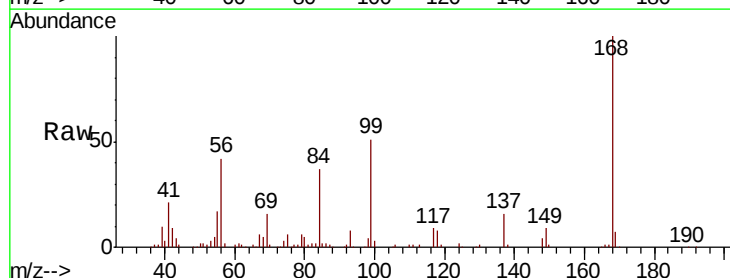
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

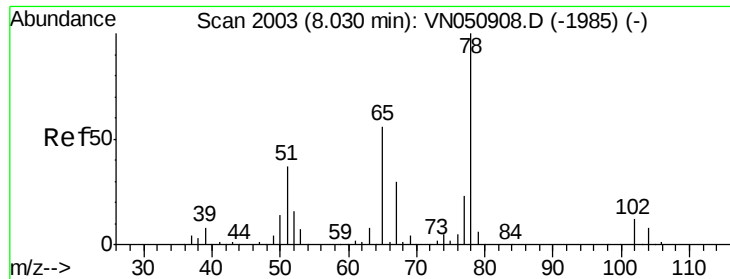
Tot Ion: 83 Resp: 224465
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0



#26
Cyclohexane
Concen: 30.74 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 56 Resp: 177953
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 90.6 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 75.71 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

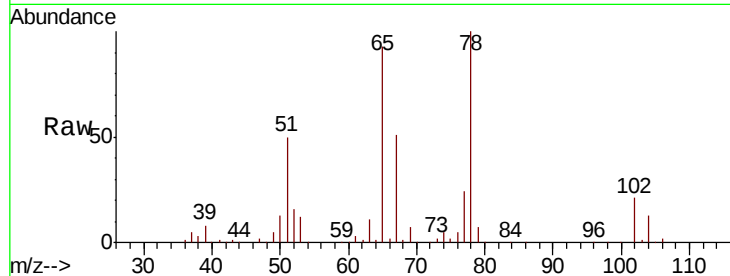
VN0914WBS02

Tot Ion: 65 Resp: 311919

Ion Ratio Lower Upper

65 100

67 54.8 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051188.D (-1946) (-)

Ion 67.00 (66.70 to 67.70): VN051188.D (-1946) (-)

8.03

150000

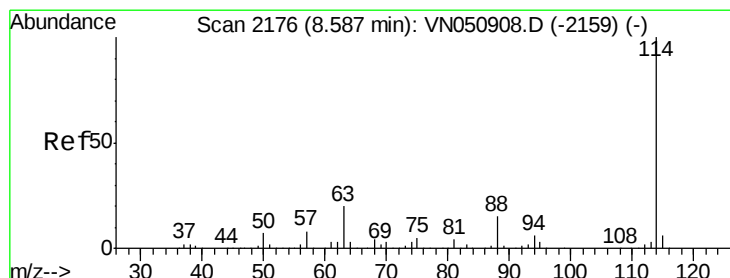
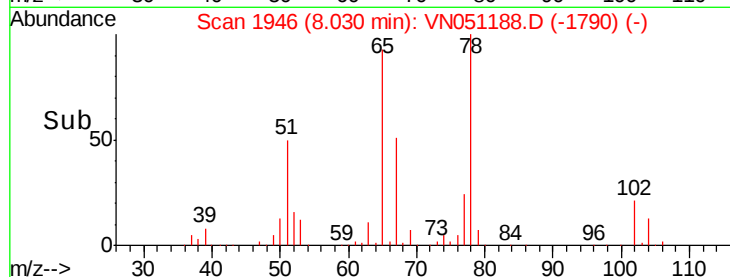
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

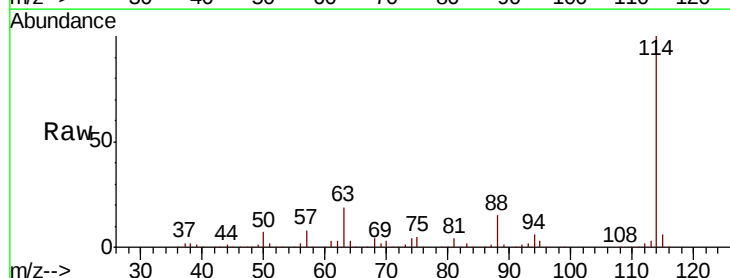
Tgt Ion: 114 Resp: 803392

Ion Ratio Lower Upper

114 100

63 18.4 15.6 23.4

88 15.4 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051188.D (-2119) (-)

Ion 63.00 (62.70 to 63.70): VN051188.D (-2119) (-)

Ion 88.00 (87.70 to 88.70): VN051188.D (-2119) (-)

8.59

500000

400000

300000

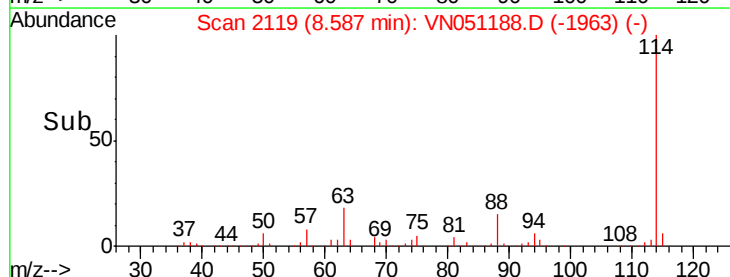
200000

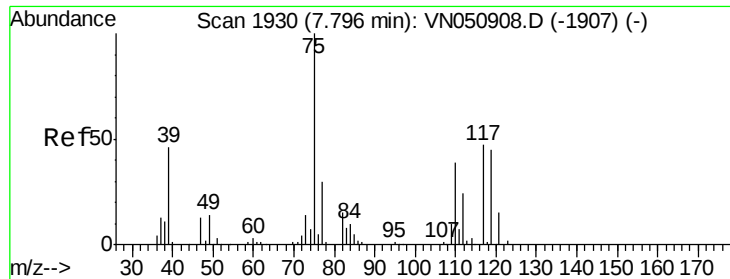
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 13.40 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS02

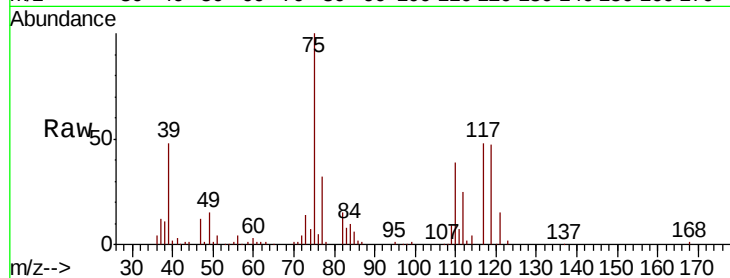
Tot Ion: 75 Resp: 161174

Ion Ratio Lower Upper

75 100

110 36.7 0.0 75.0

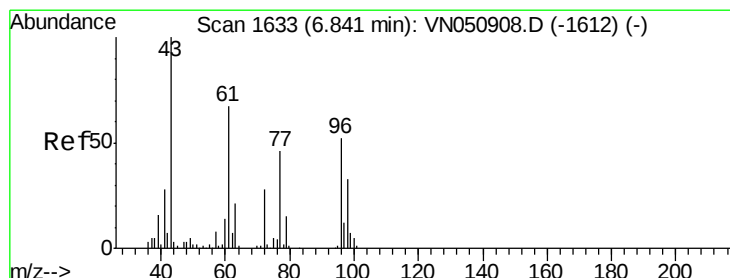
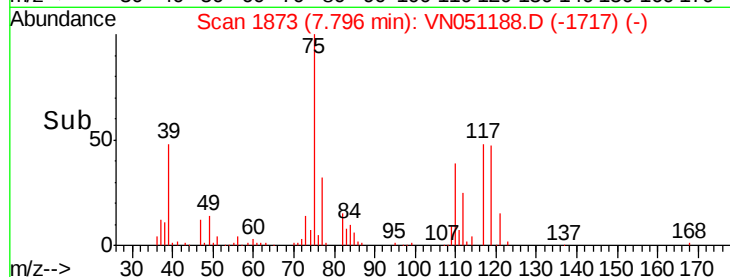
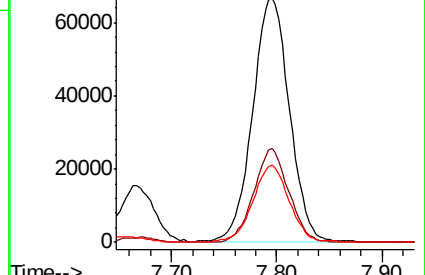
77 31.2 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 51.47 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

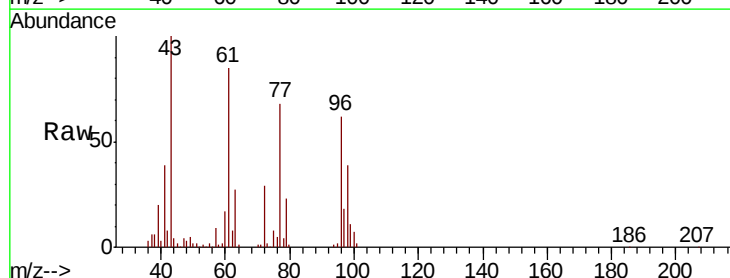
Tgt Ion: 43 Resp: 190443

Ion Ratio Lower Upper

43 100

57 8.7 6.9 10.3

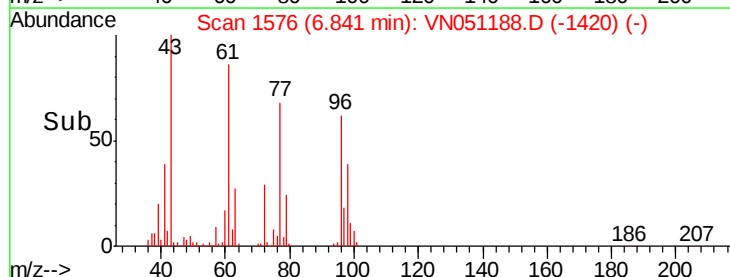
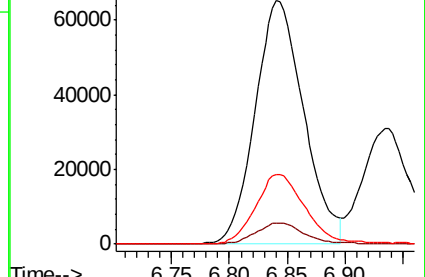
72 29.3 22.8 34.2

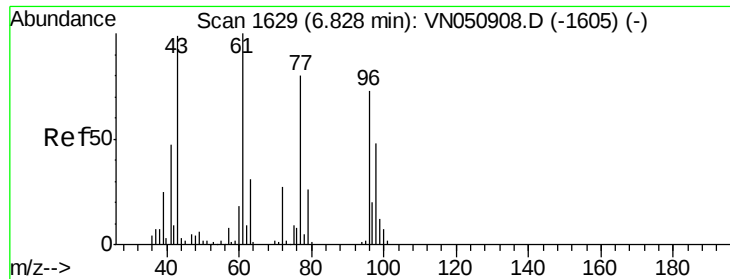


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

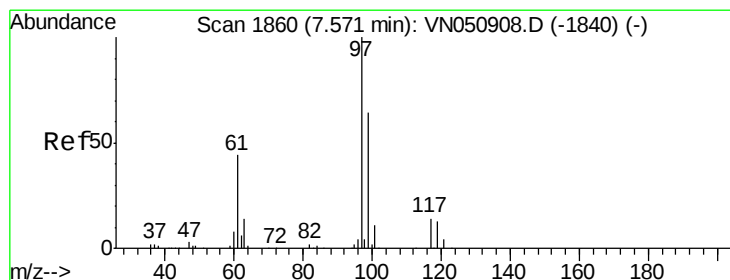
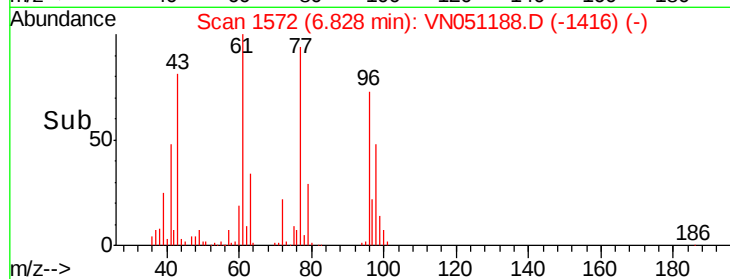
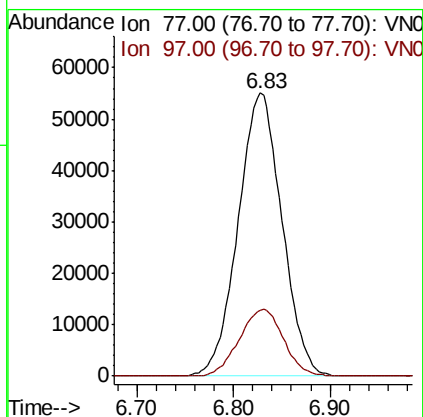
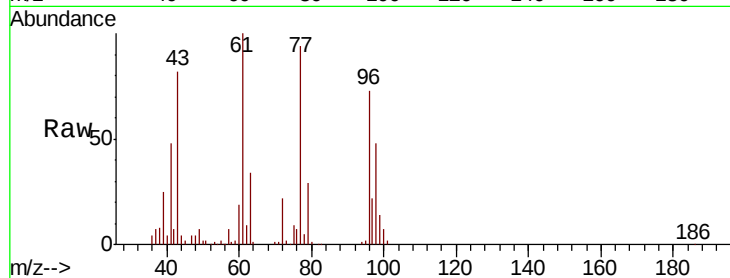




#31
 2,2-Dichloropropane
 Concen: 14.79 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

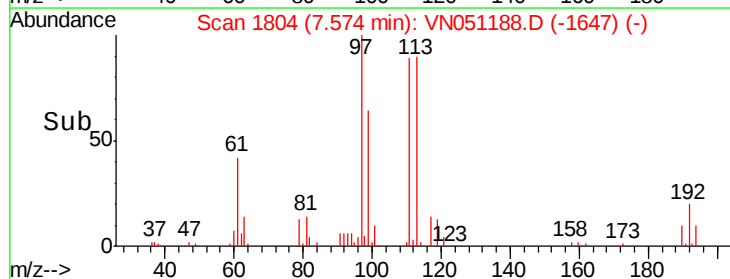
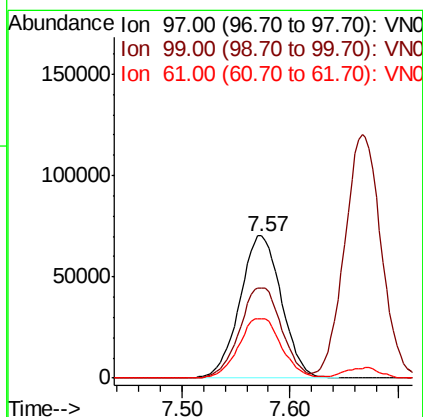
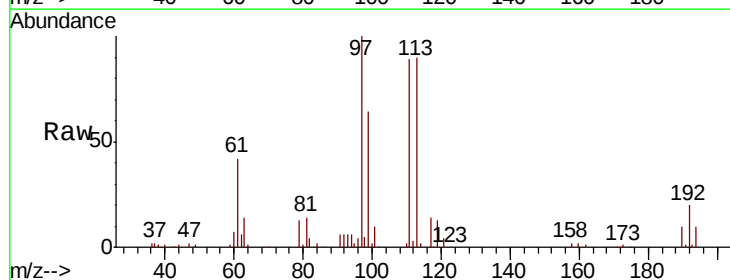
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

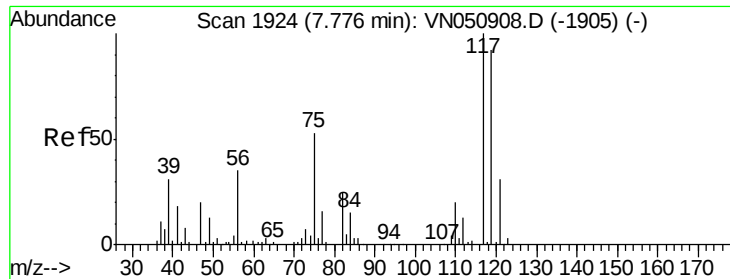
Tot Ion: 77 Resp: 173126
 Ion Ratio Lower Upper
 77 100
 97 23.8 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 13.79 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion: 97 Resp: 188089
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.0 78.0
 61 43.1 35.0 52.6

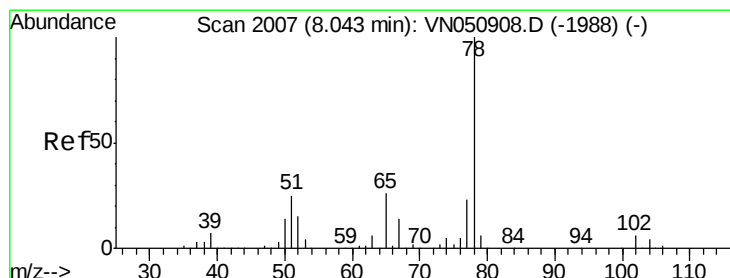
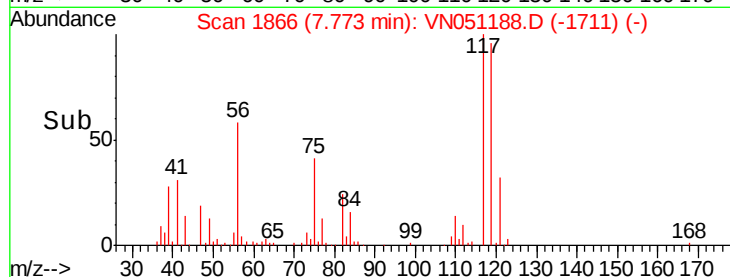
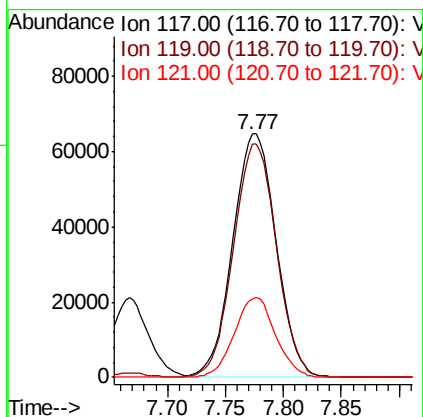
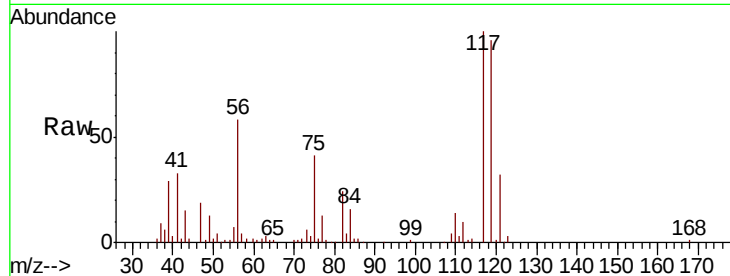




#33
Carbon Tetrachloride
Concen: 13.70 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

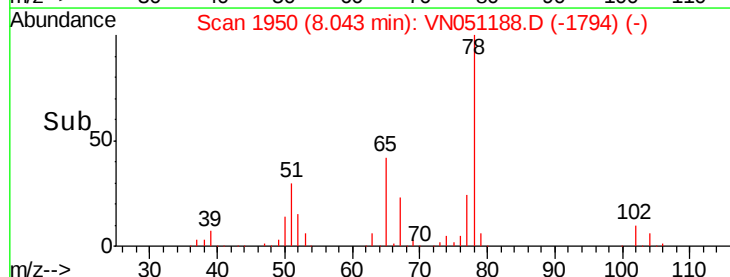
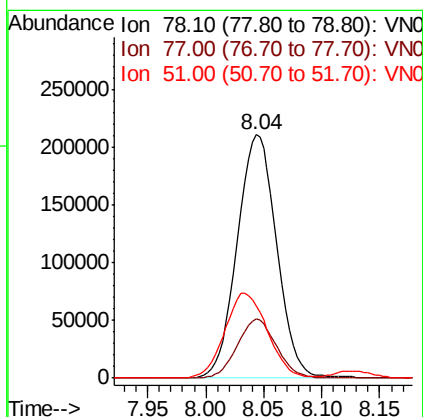
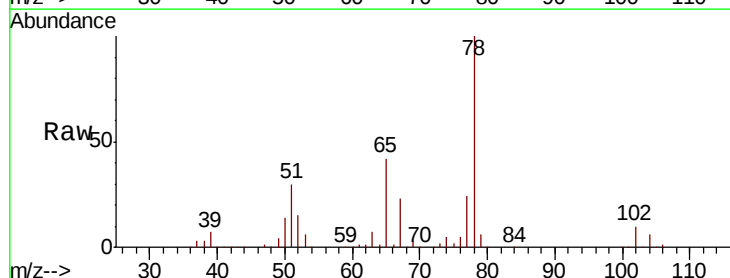
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

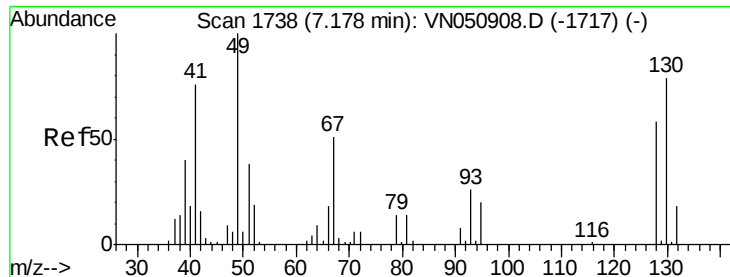
Tot Ion:117 Resp: 168333
Ion Ratio Lower Upper
117 100
119 95.6 73.5 110.3
121 32.4 24.6 37.0



#34
Benzene
Concen: 13.41 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 78 Resp: 499066
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0
51 29.4 20.0 30.0

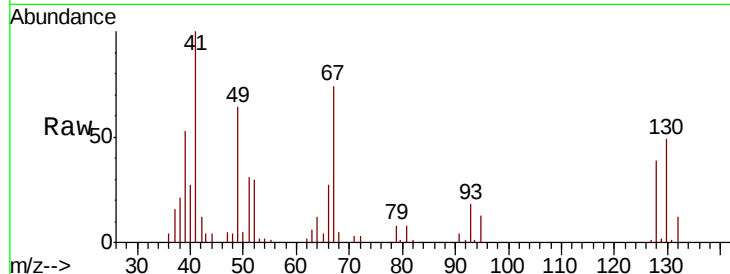




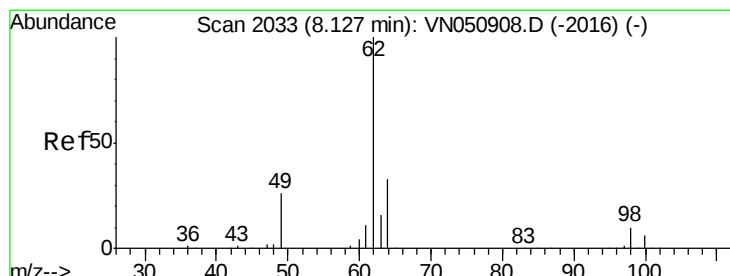
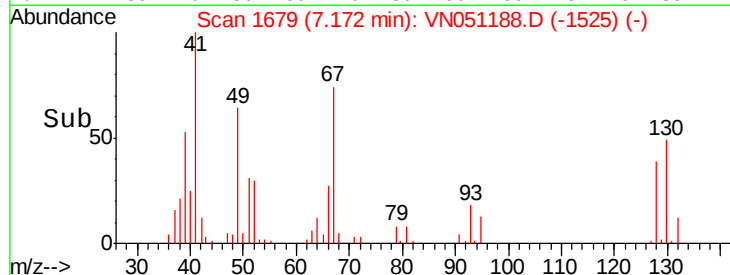
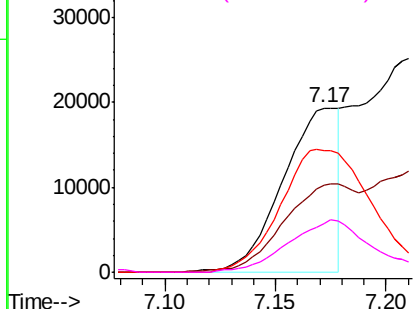
#35
Methacrylonitrile
Concen: 8.35 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion: 41 Resp: 33832
Ion Ratio Lower Upper
41 100
39 51.9 26.2 78.5
67 74.1 33.9 101.6
52 29.7 12.5 37.5

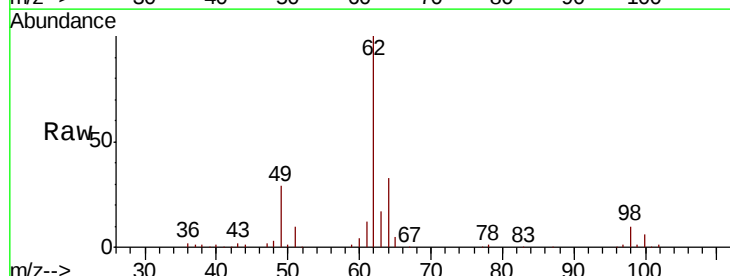


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

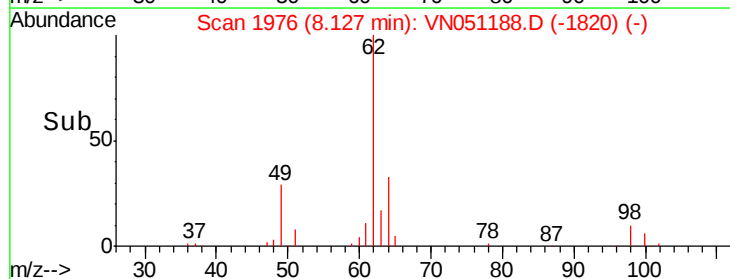
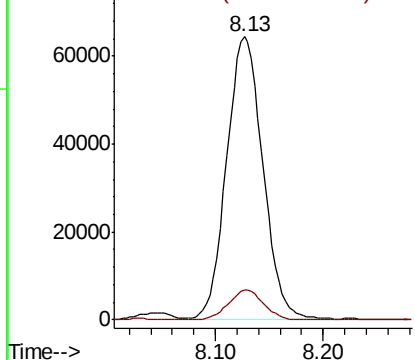


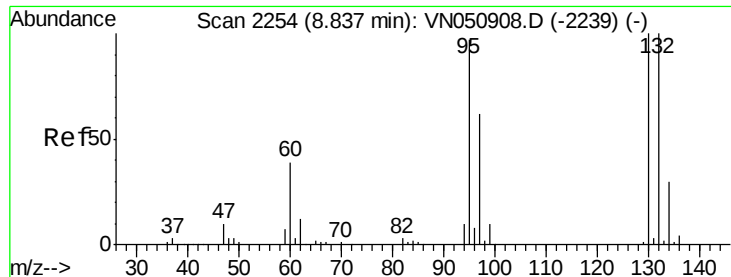
#36
1,2-Dichloroethane
Concen: 13.45 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 62 Resp: 151302
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0



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

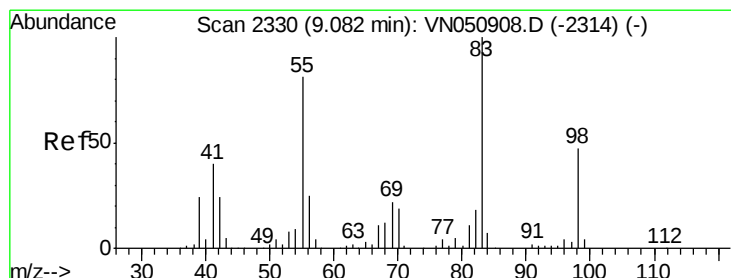
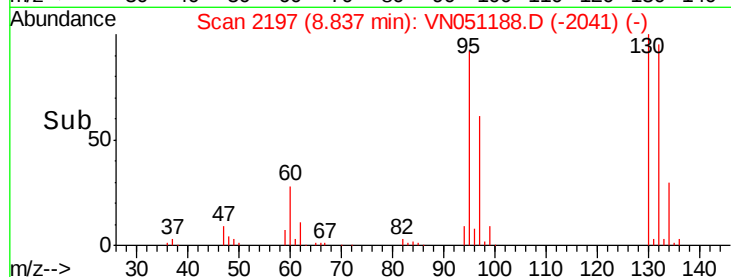
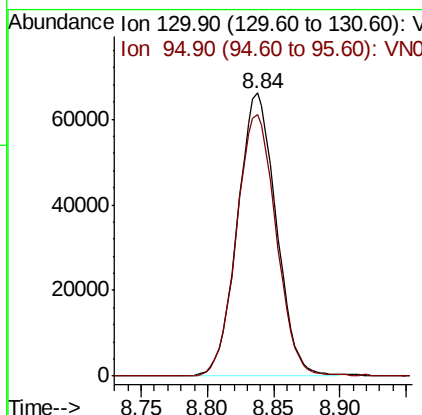
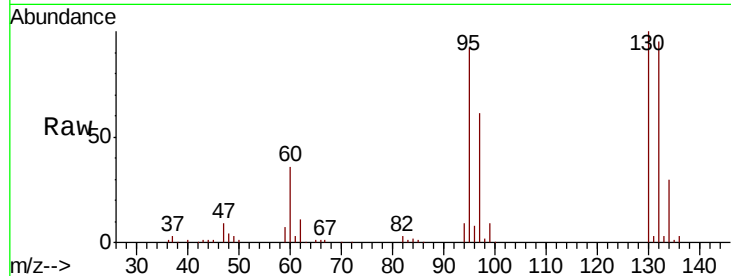




#37
 Trichloroethene
 Concen: 13.81 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

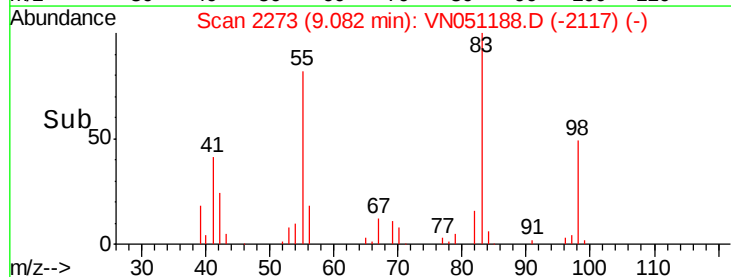
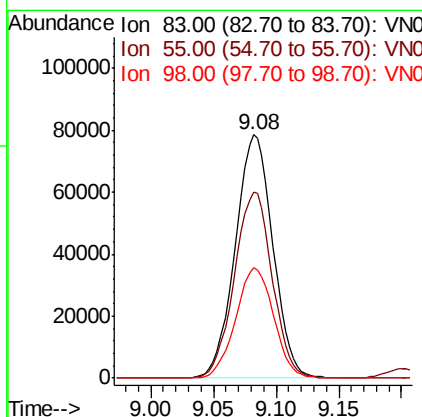
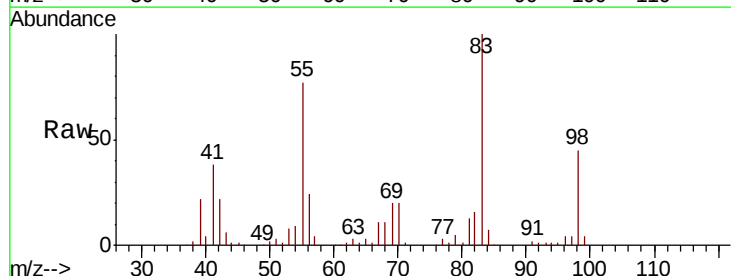
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

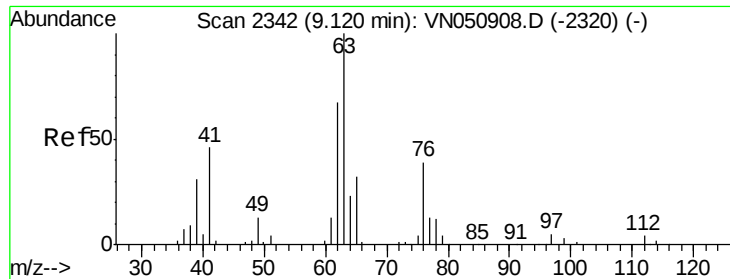
Tot Ion:130 Resp: 134307
 Ion Ratio Lower Upper
 130 100
 95 92.5 77.4 116.0



#38
 Methylcyclohexane
 Concen: 12.69 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion: 83 Resp: 163966
 Ion Ratio Lower Upper
 83 100
 55 76.9 38.9 116.7
 98 45.7 22.9 68.7





#39

1,2-Dichloropropane

Concen: 13.78 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

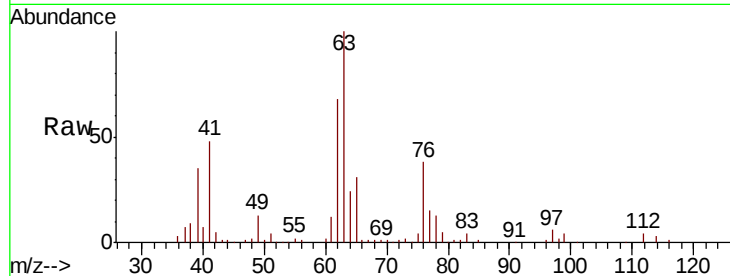
VN0914WBS02

Tot Ion: 63 Resp: 133872

Ion Ratio Lower Upper

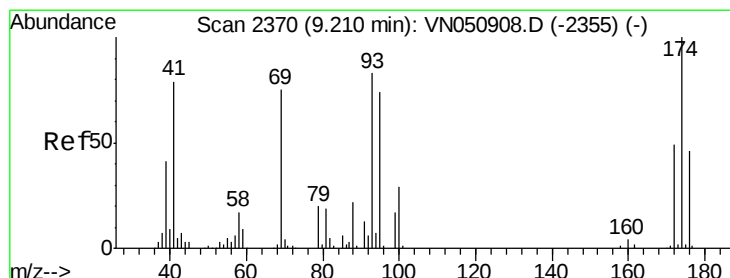
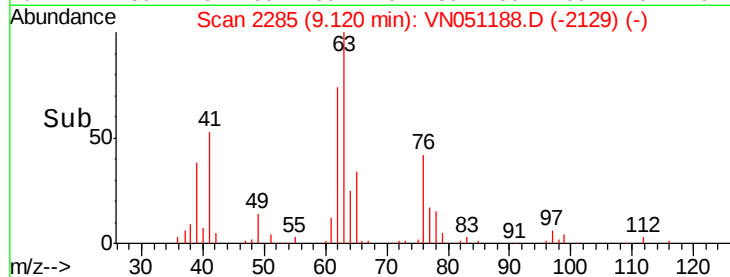
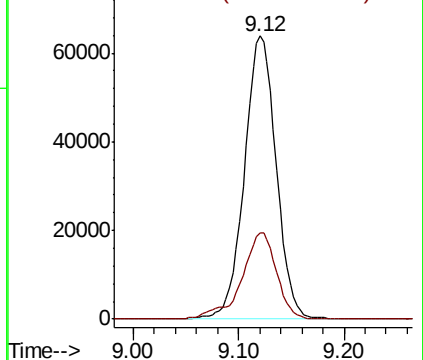
63 100

65 30.7 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 13.07 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

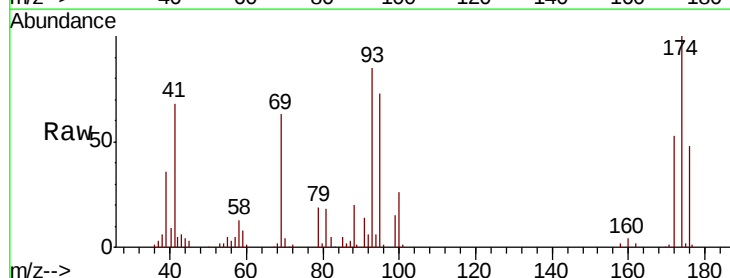
Tgt Ion: 93 Resp: 76496

Ion Ratio Lower Upper

93 100

95 83.0 0.0 173.4

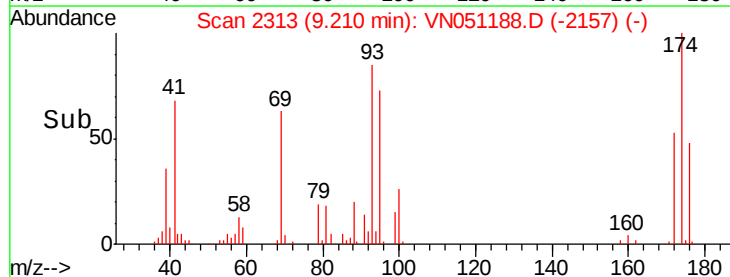
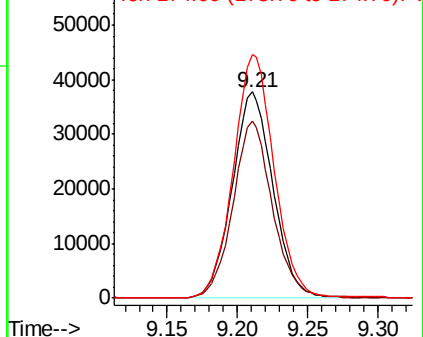
174 117.7 0.0 234.8

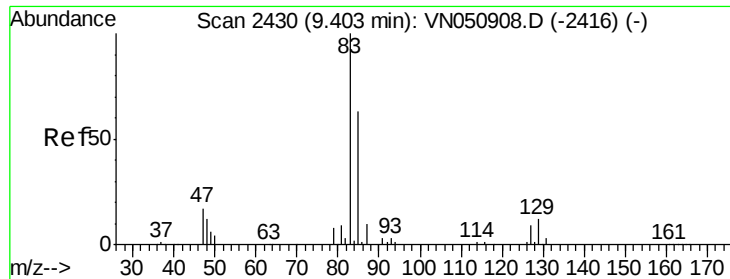


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 13.45 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

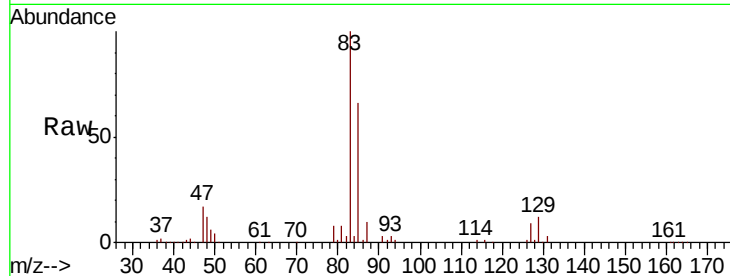
Tot Ion: 83 Resp: 165920

Ion Ratio Lower Upper

83 100

85 65.7 50.6 76.0

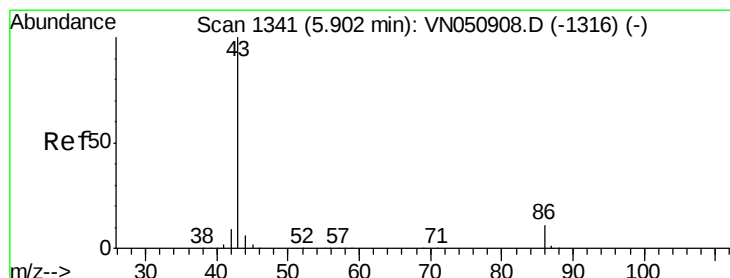
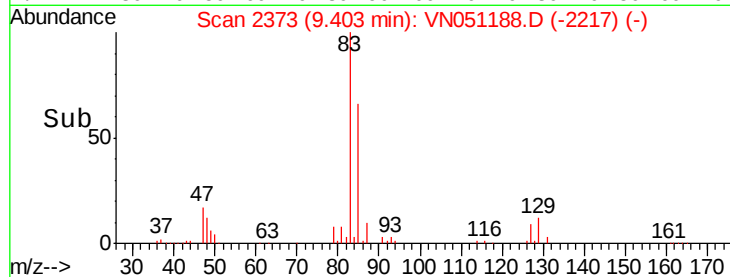
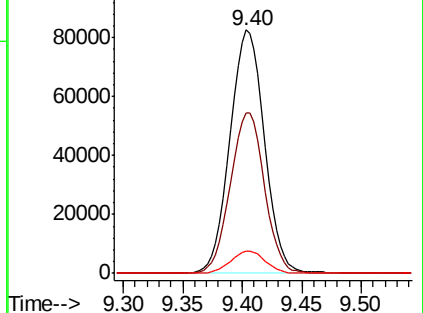
127 9.2 7.1 10.7



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): V



#42

Vinyl Acetate

Concen: 62.10 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051188.D

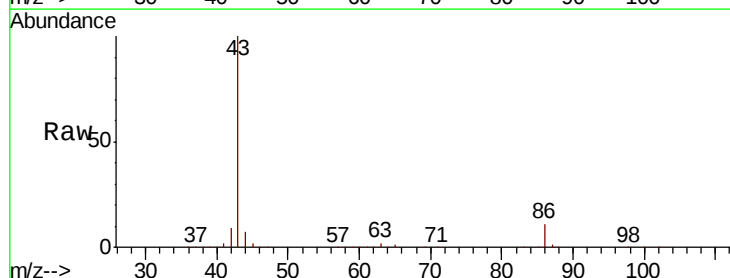
Acq: 14 Sep 2018 14:22

Tgt Ion: 43 Resp: 1058302

Ion Ratio Lower Upper

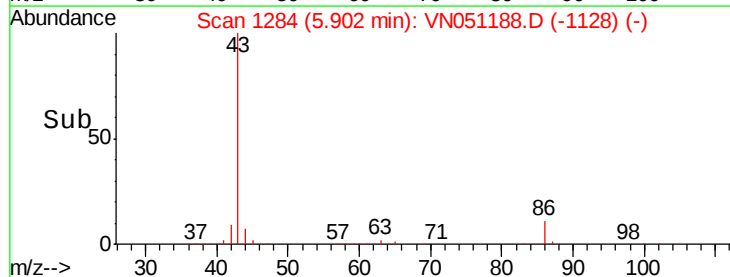
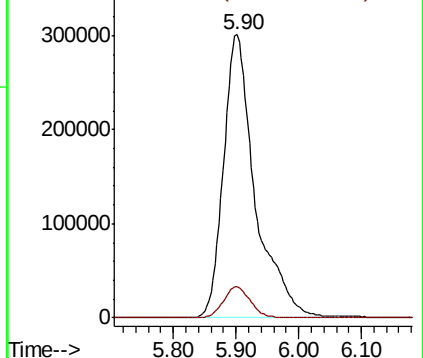
43 100

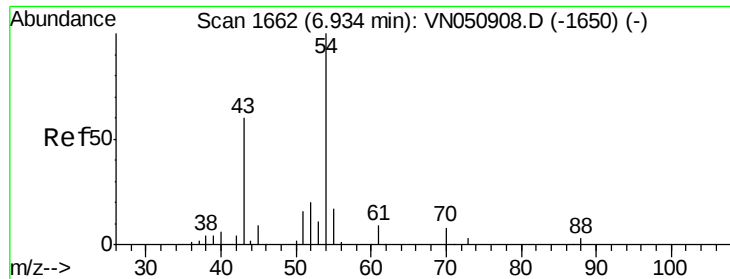
86 9.3 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

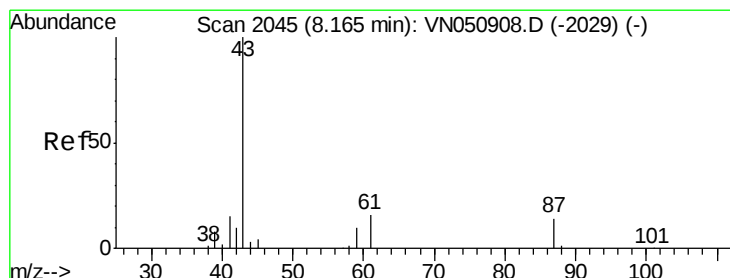
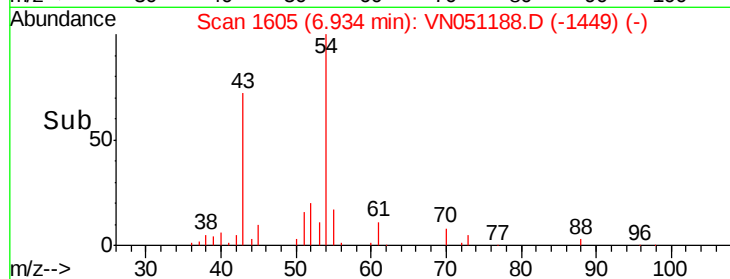
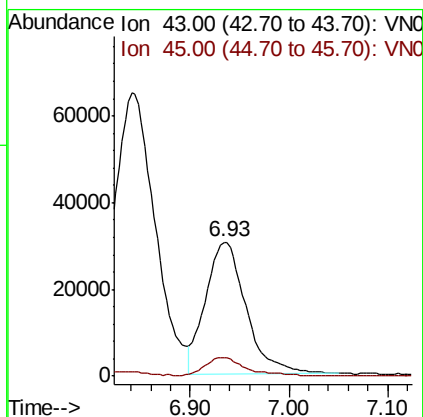
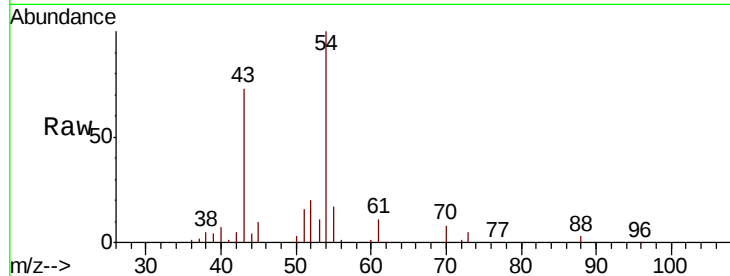




#43
Ethyl Acetate
Concen: 11.61 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

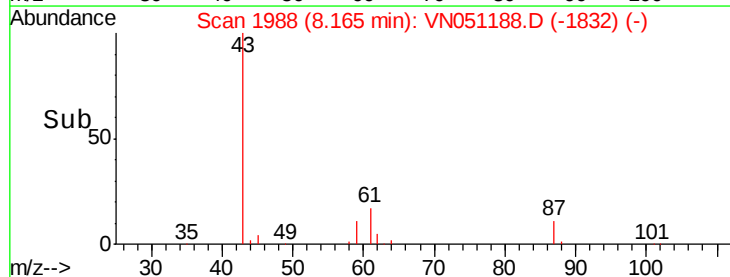
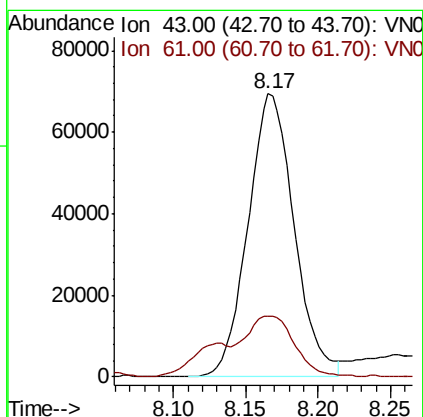
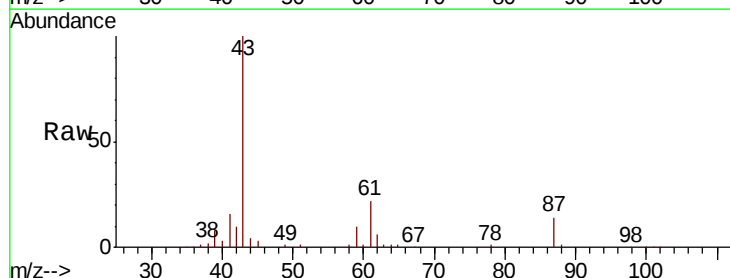
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

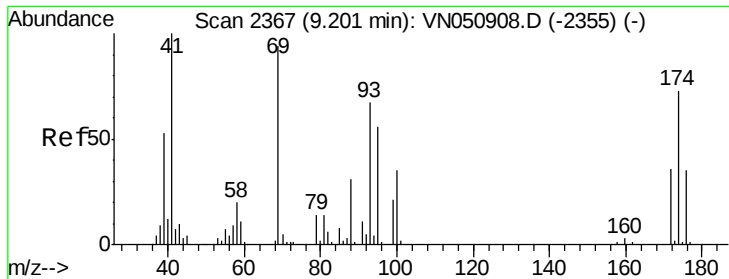
Tot Ion: 43 Resp: 88038
Ion Ratio Lower Upper
43 100
45 11.8 10.2 15.2



#44
Isopropyl Acetate
Concen: 11.40 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 43 Resp: 152461
Ion Ratio Lower Upper
43 100
61 21.9 16.3 24.5

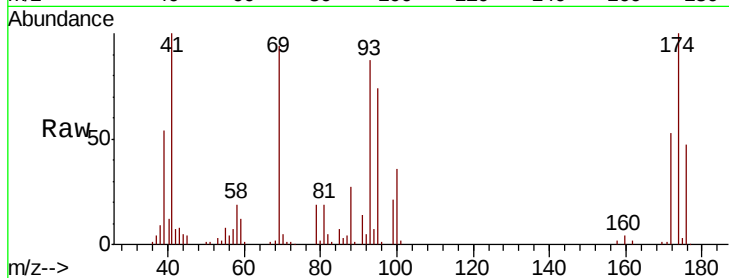




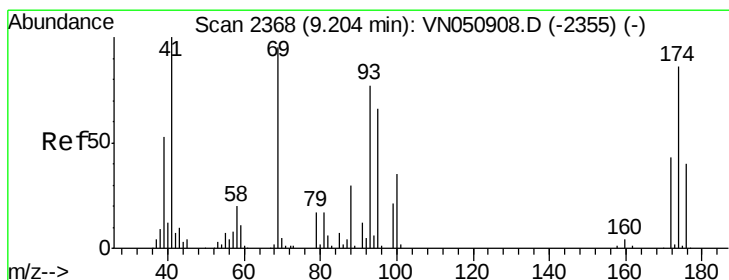
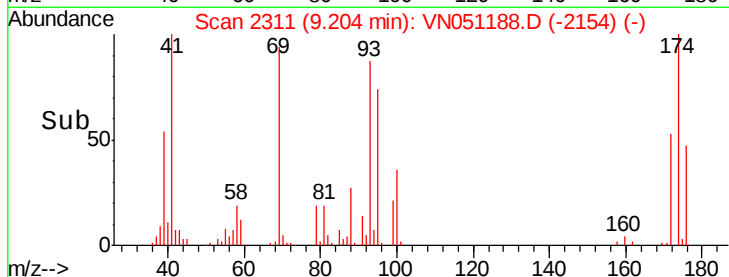
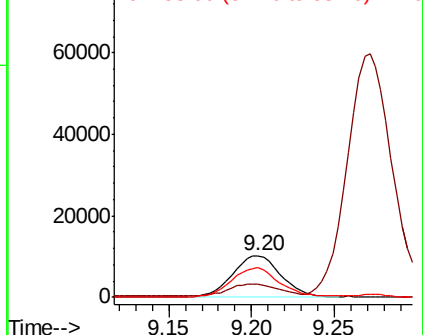
#45
 1,4-Dioxane
 Concen: 211.37 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

Tot Ion: 88 Resp: 21001
 Ion Ratio Lower Upper
 88 100
 43 29.3 23.5 35.3
 58 69.6 55.2 82.8

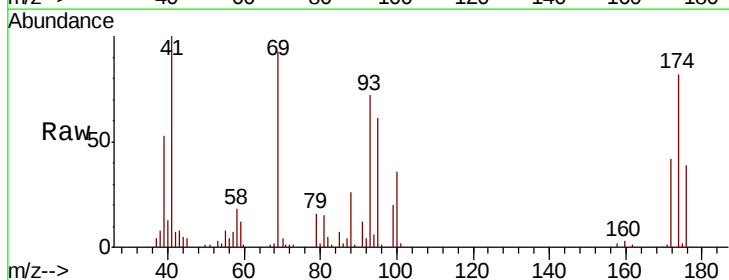


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

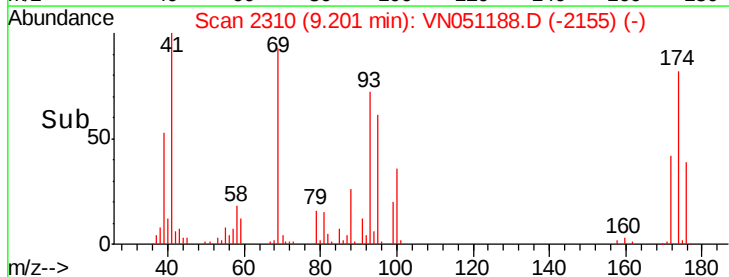
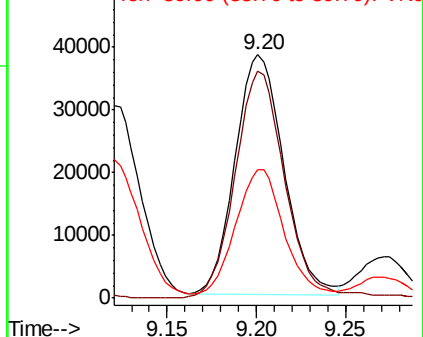


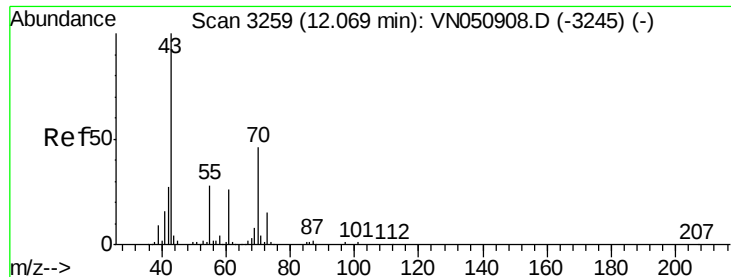
#46
 Methyl methacrylate
 Concen: 10.84 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion: 41 Resp: 72605
 Ion Ratio Lower Upper
 41 100
 69 94.4 47.4 142.2
 39 51.9 26.6 79.7



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

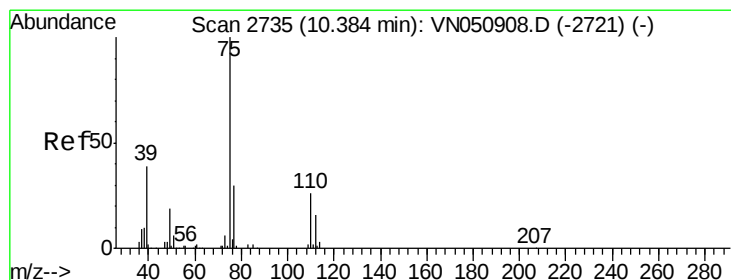
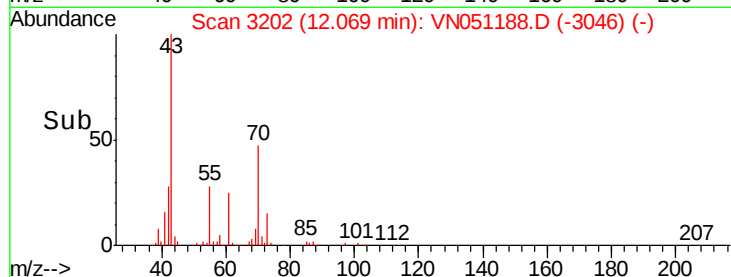
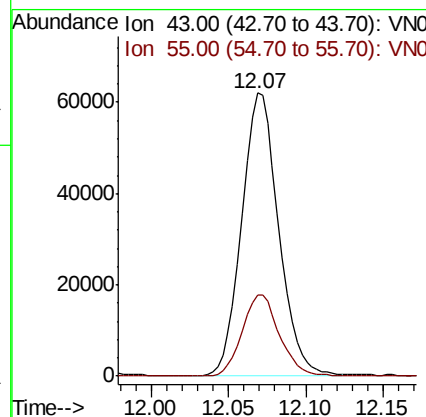
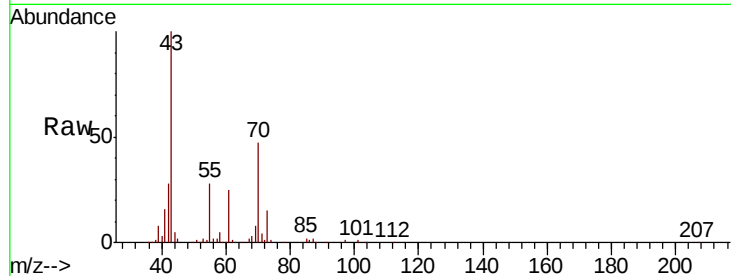




#47
n-amyl Acetate
Concen: 9.49 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

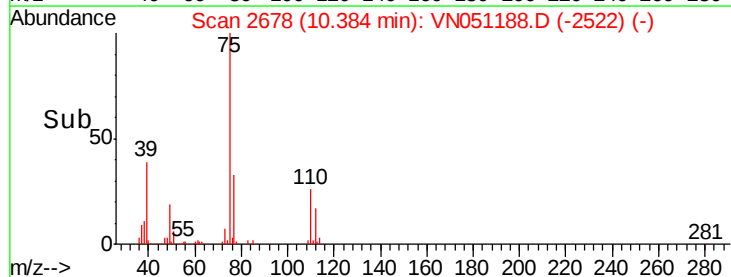
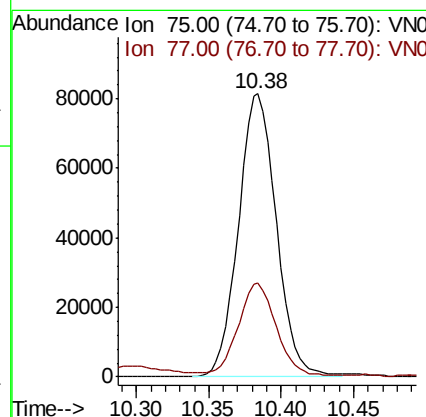
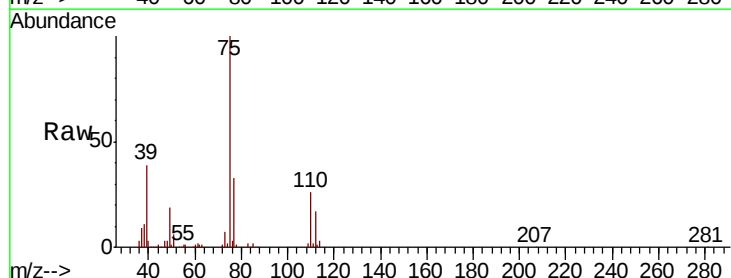
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

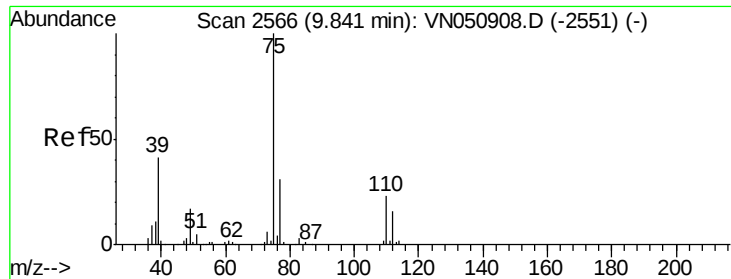
Tot Ion: 43 Resp: 102071
Ion Ratio Lower Upper
43 100
55 29.2 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 12.25 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 75 Resp: 148122
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 13.21 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

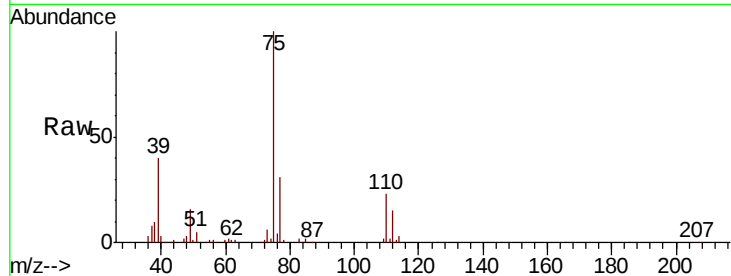
Tot Ion: 75 Resp: 183558

Ion Ratio Lower Upper

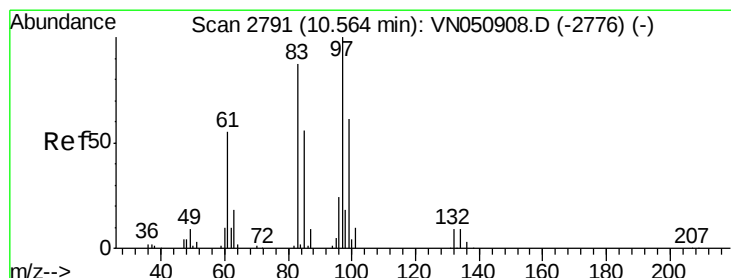
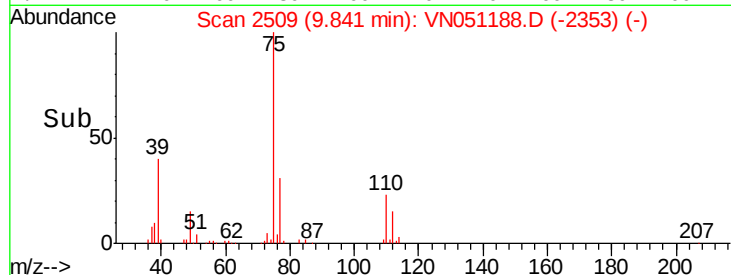
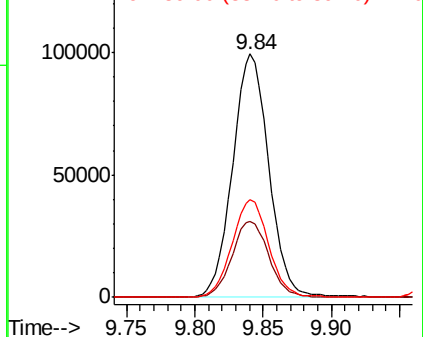
75 100

77 31.3 25.0 37.4

39 40.3 32.9 49.3



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 13.29 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Tgt Ion: 97 Resp: 113055

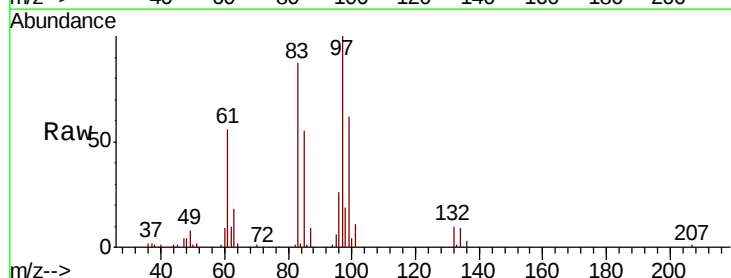
Ion Ratio Lower Upper

97 100

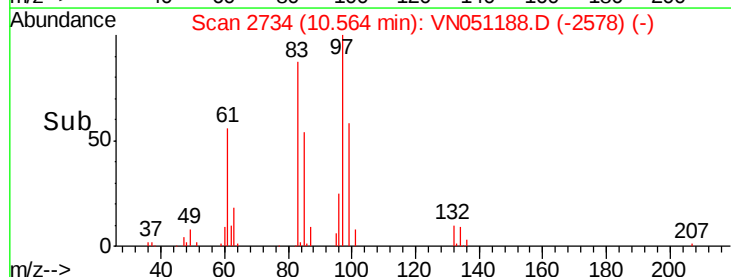
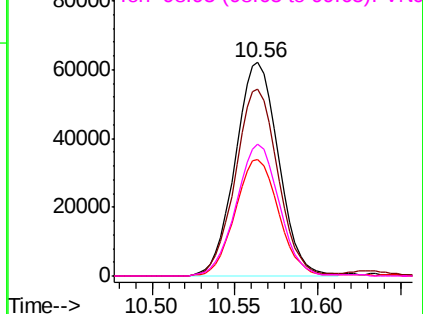
83 87.4 69.8 104.6

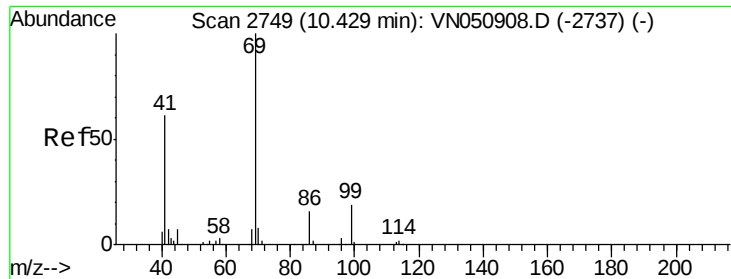
85 54.3 45.0 67.6

99 62.0 49.1 73.7



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 11.32 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS02

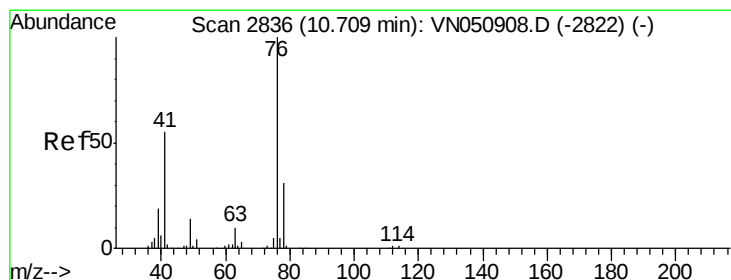
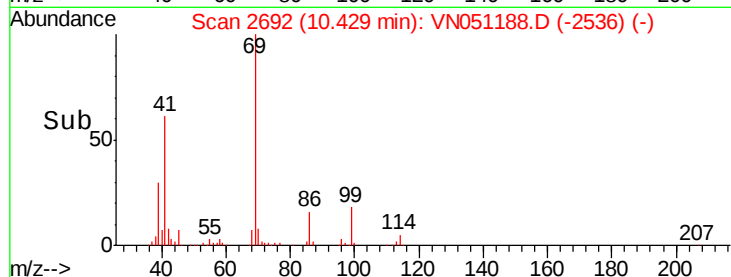
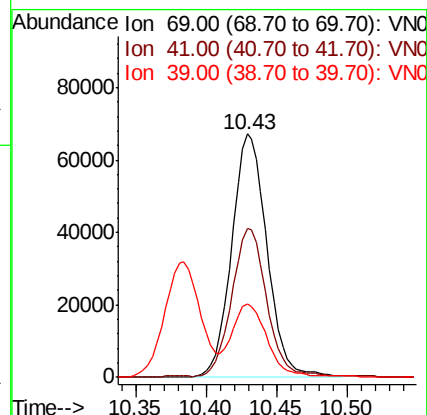
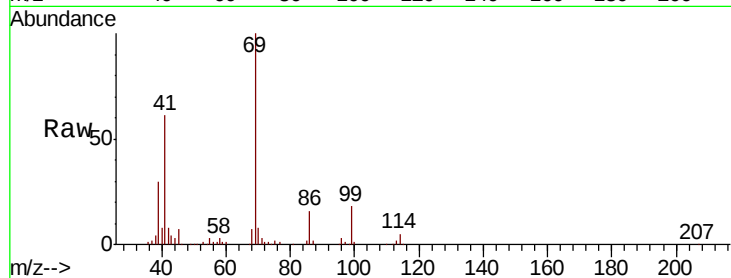
Tot Ion: 69 Resp: 117794

Ion Ratio Lower Upper

69 100

41 60.5 30.5 91.5

39 29.5 15.3 45.8



#52

1,3-Dichloropropane

Concen: 12.84 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051188.D

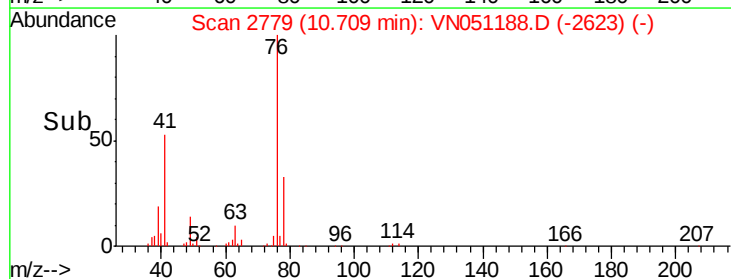
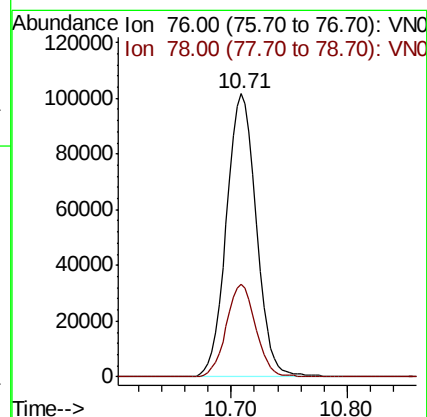
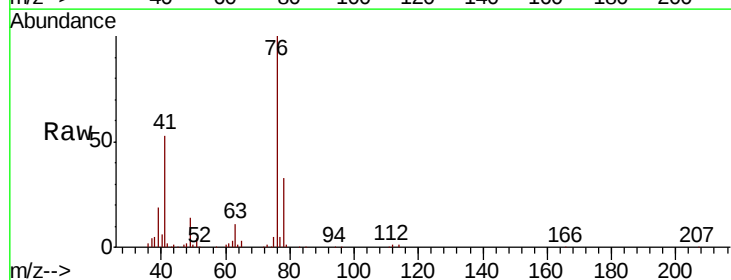
Acq: 14 Sep 2018 14:22

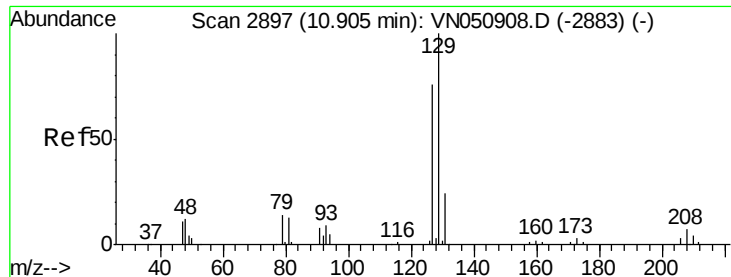
Tgt Ion: 76 Resp: 180903

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.4





#53

Dibromochloromethane

Concen: 13.14 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

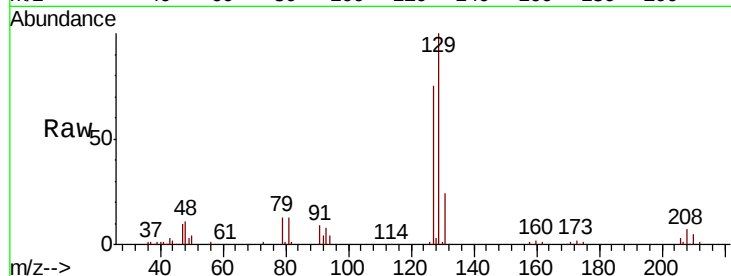
VN0914WBS02

Tot Ion:129 Resp: 127053

Ion Ratio Lower Upper

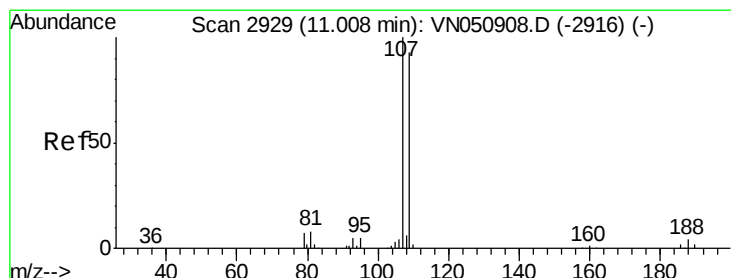
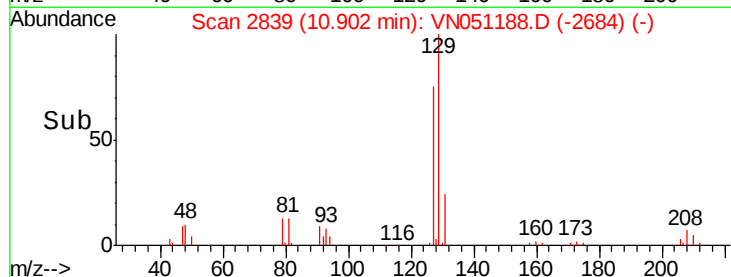
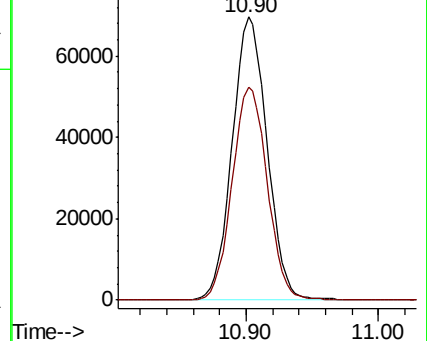
129 100

127 75.8 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 12.25 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051188.D

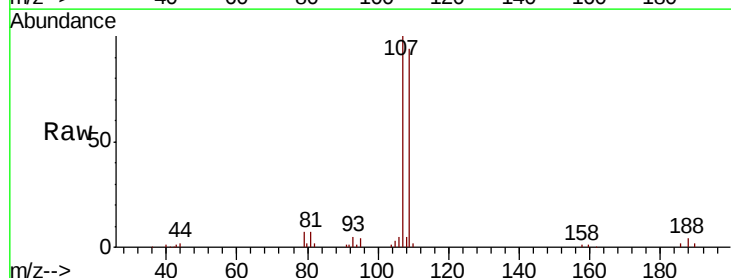
Acq: 14 Sep 2018 14:22

Tgt Ion:107 Resp: 103037

Ion Ratio Lower Upper

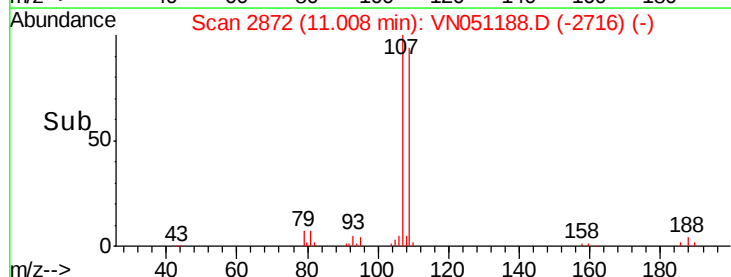
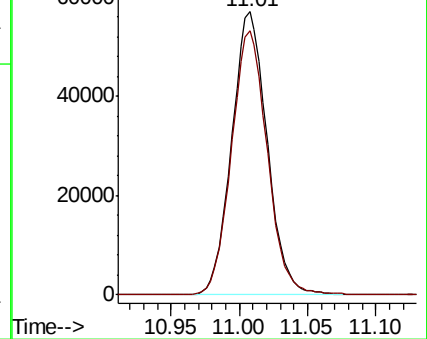
107 100

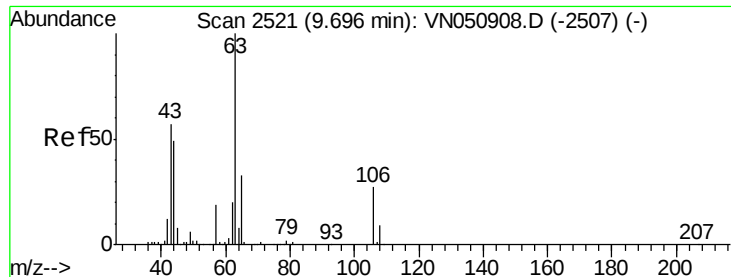
109 94.5 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

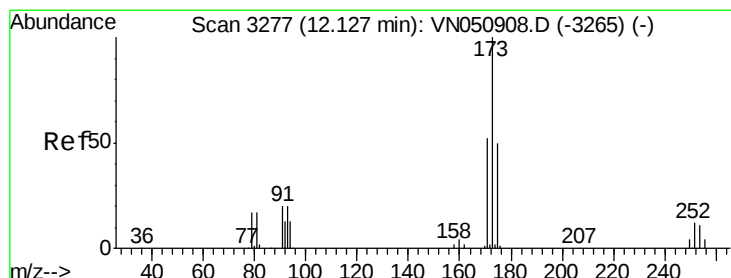
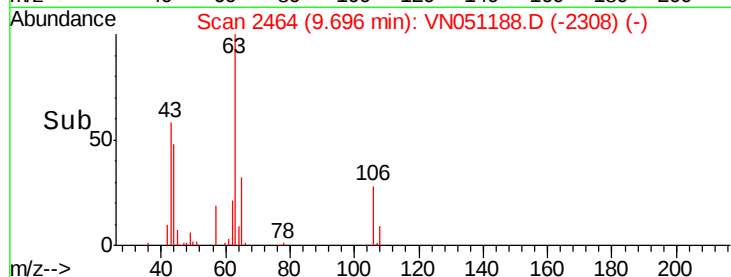
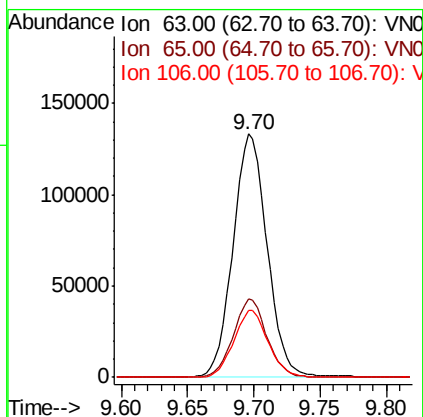
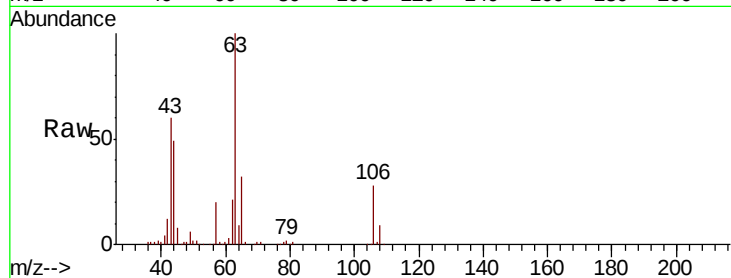




#55
 2-Chloroethyl vinyl ether
 Concen: 55.15 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

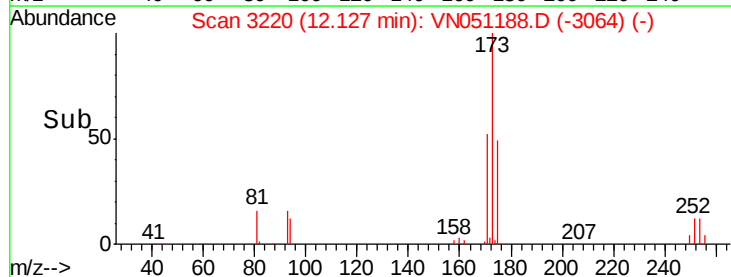
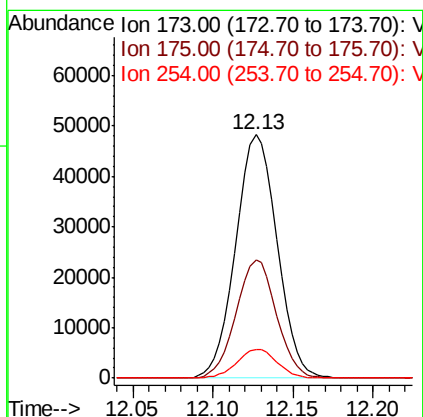
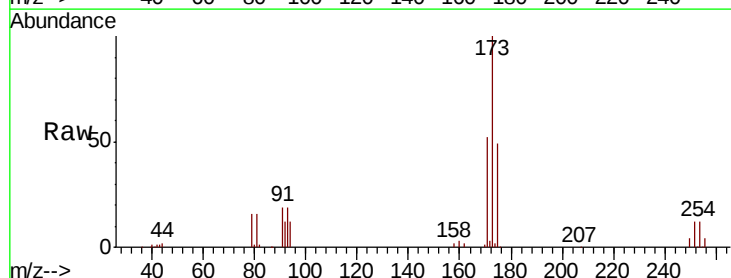
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

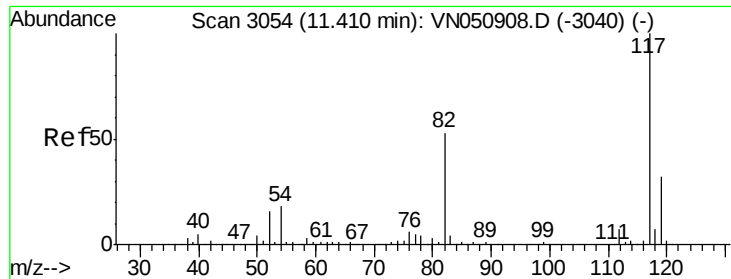
Tot Ion: 63 Resp: 238792
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.2
 106 27.7 22.0 33.0



#56
 Bromoform
 Concen: 12.40 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion: 173 Resp: 85314
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.2 58.8
 254 11.3 9.0 13.6

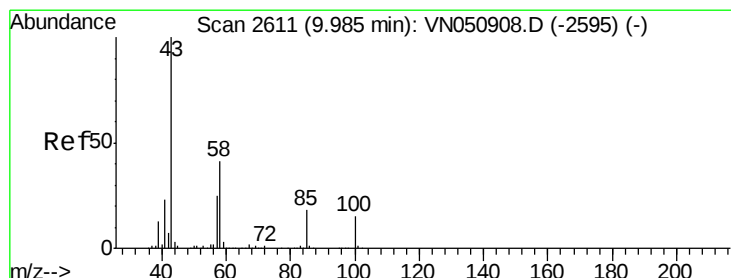
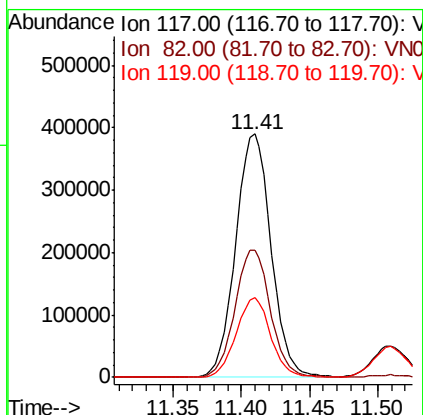
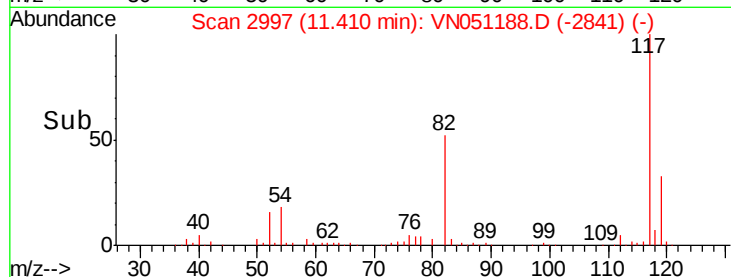
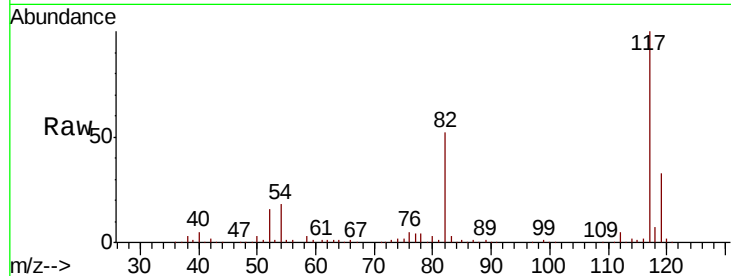




#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

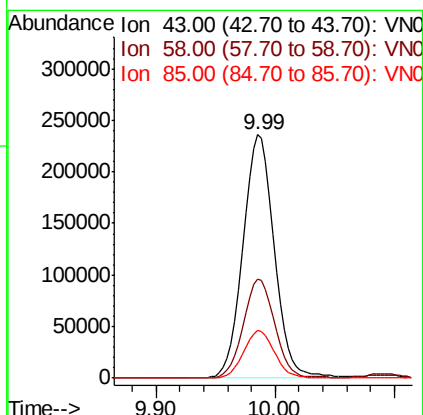
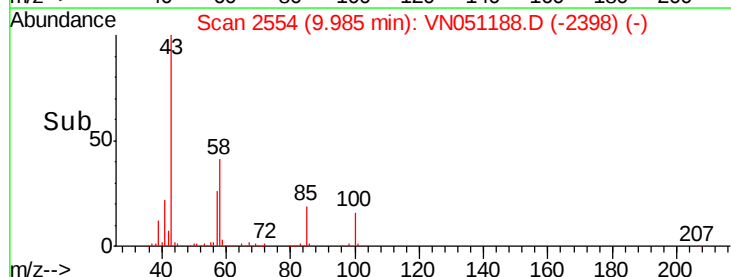
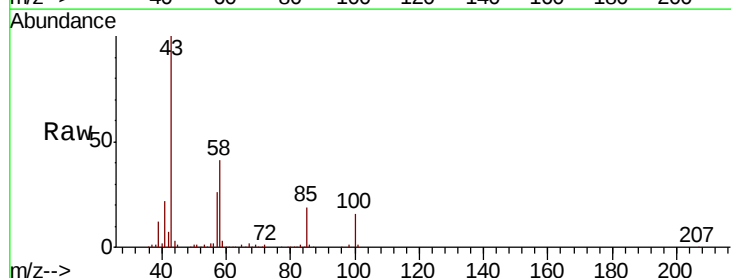
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS02

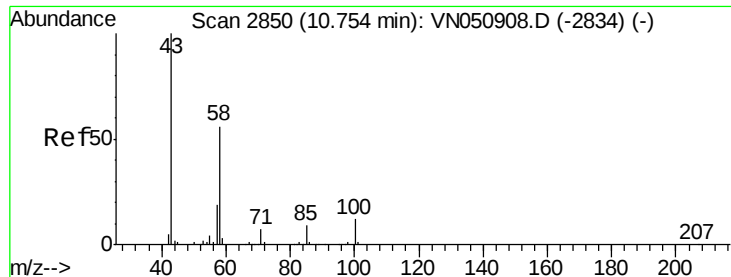
Tot Ion:117 Resp: 704514
 Ion Ratio Lower Upper
 117 100
 82 52.4 42.6 64.0
 119 31.9 25.7 38.5



#58
 4-Methyl-2-Pentanone
 Concen: 53.05 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion: 43 Resp: 427606
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.3 48.5
 85 19.3 14.9 22.3

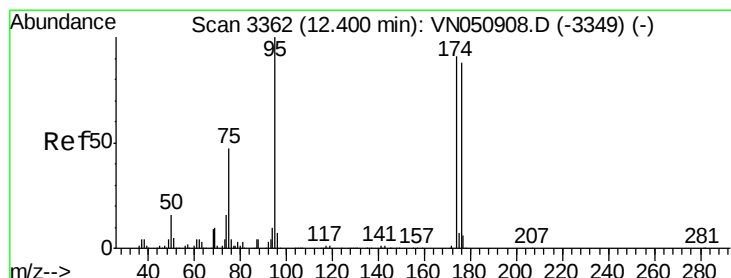
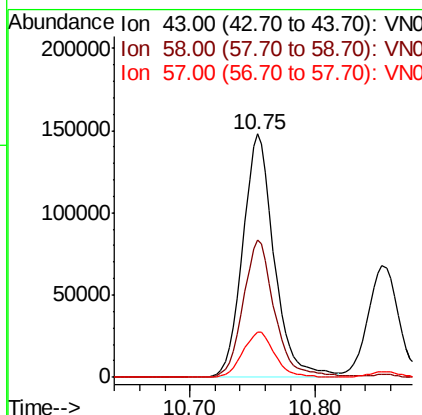
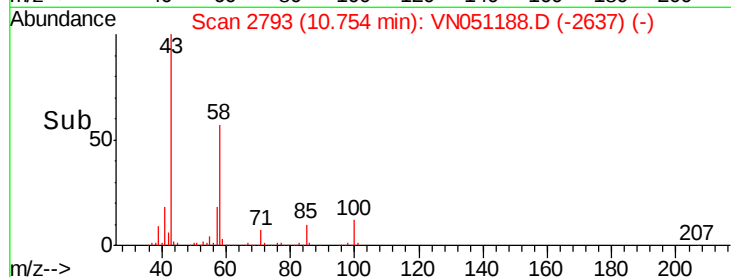
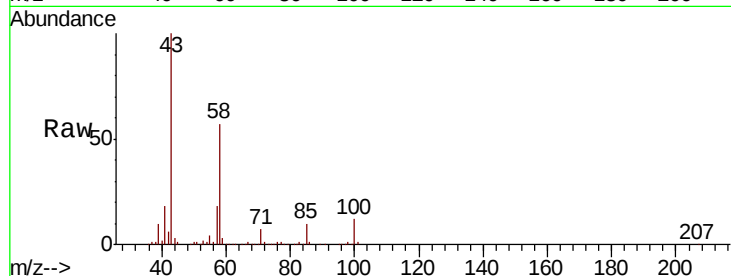




#59
2-Hexanone
Concen: 48.75 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

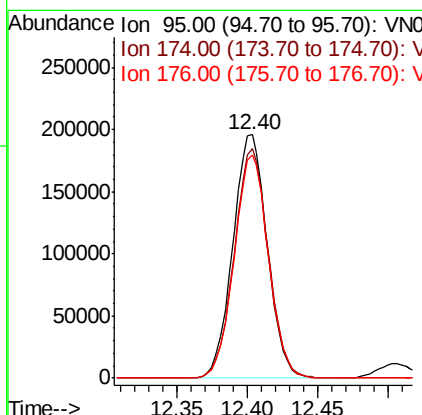
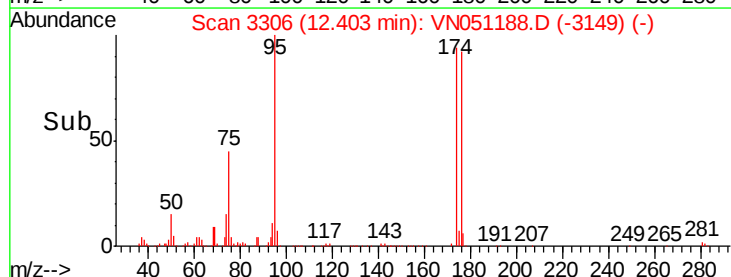
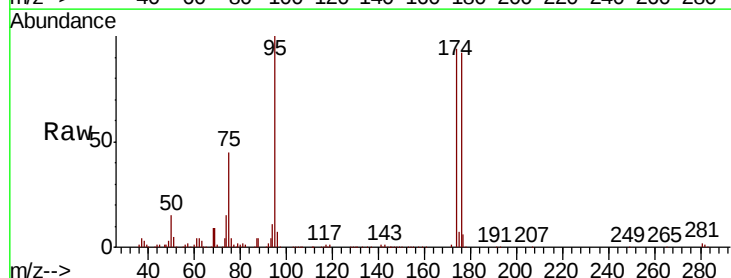
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

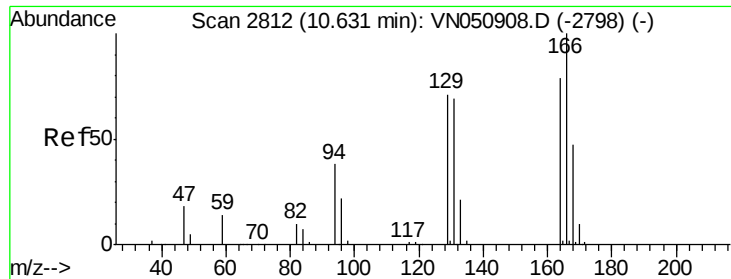
Tot Ion: 43 Resp: 256871
Ion Ratio Lower Upper
43 100
58 56.7 45.5 68.3
57 18.7 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 31.89 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 95 Resp: 334132
Ion Ratio Lower Upper
95 100
174 93.5 74.6 112.0
176 91.0 71.5 107.3

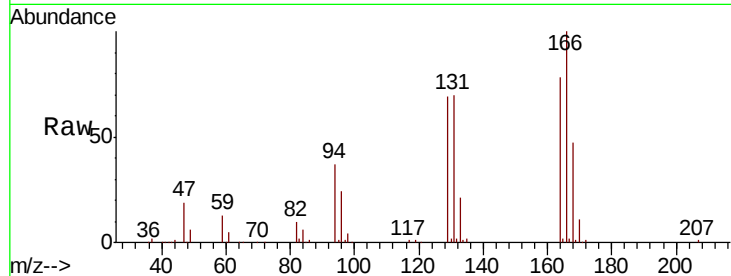




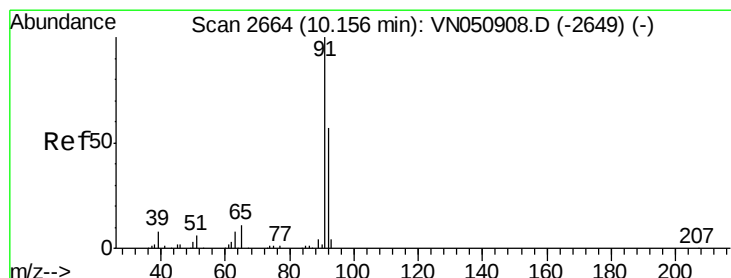
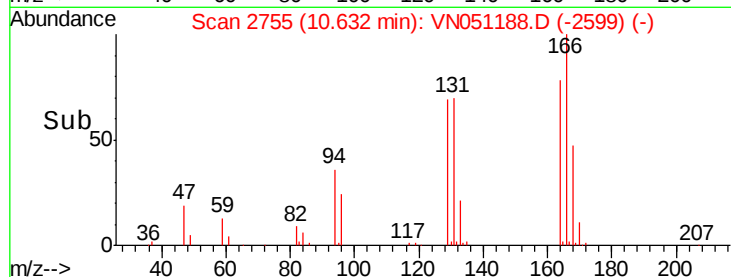
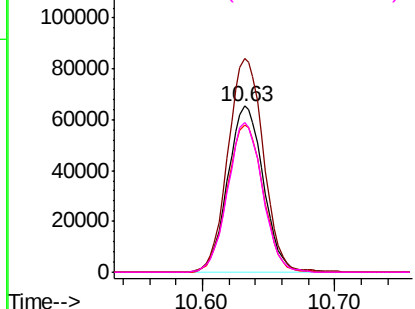
#61
Tetrachloroethene
Concen: 13.87 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

Tot Ion:164 Resp: 121729
Ion Ratio Lower Upper
164 100
166 128.7 100.6 151.0
129 89.1 71.0 106.6
131 90.2 69.3 103.9

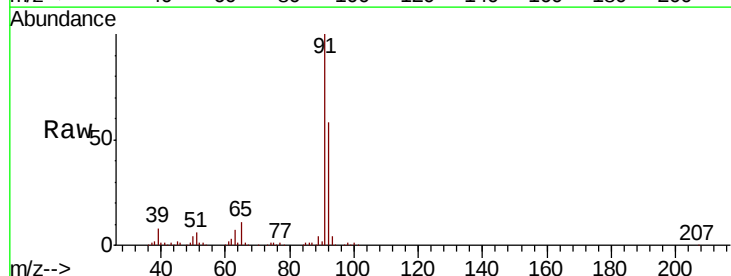


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

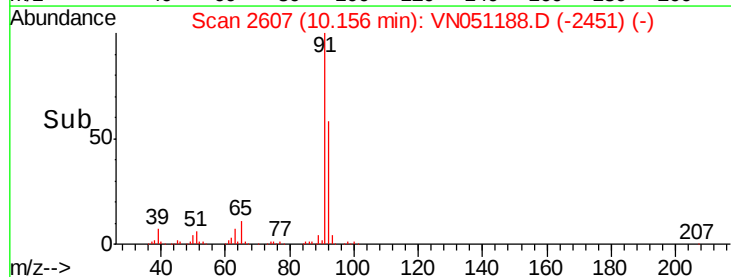
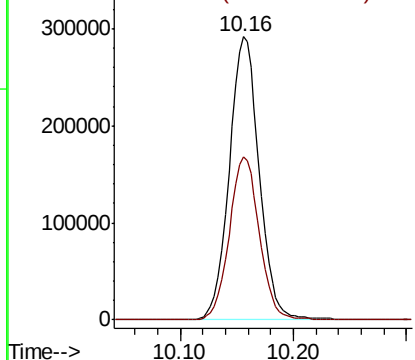


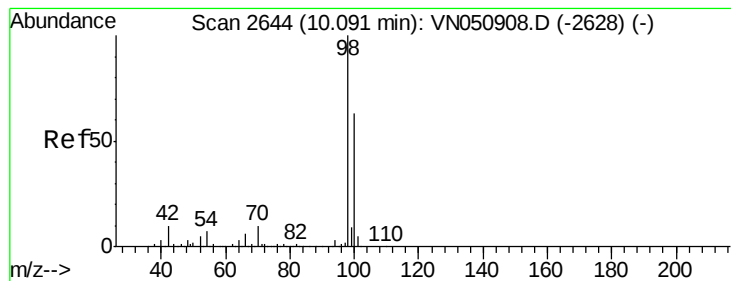
#62
Toluene
Concen: 13.64 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 91 Resp: 536213
Ion Ratio Lower Upper
91 100
92 57.8 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 34.17 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

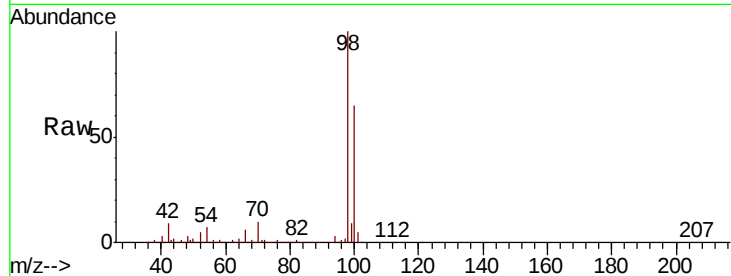
VN0914WBS02

Tot Ion: 98 Resp: 1122457

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

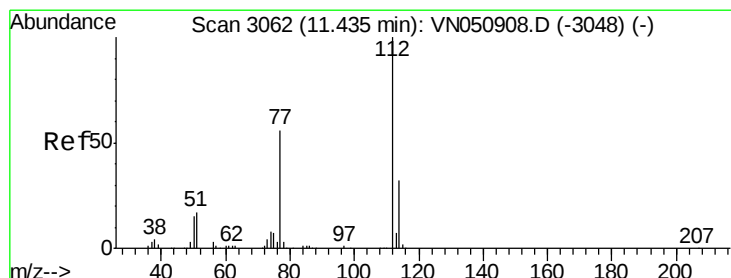
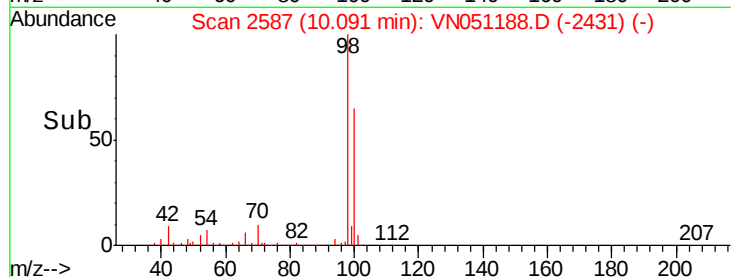
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 13.55 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051188.D

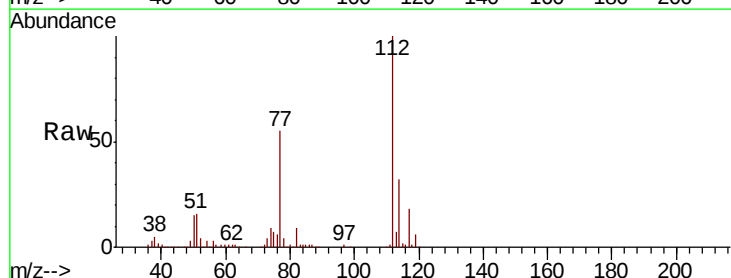
Acq: 14 Sep 2018 14:22

Tgt Ion: 112 Resp: 330173

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050908.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN050908.D (-3048) (-)

11.44

200000

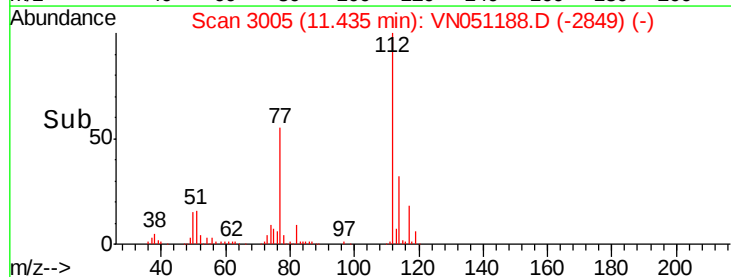
150000

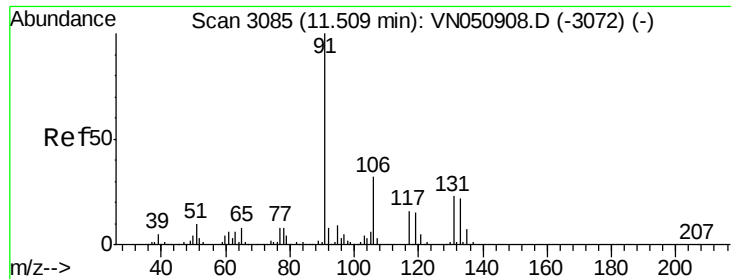
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 13.83 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS02

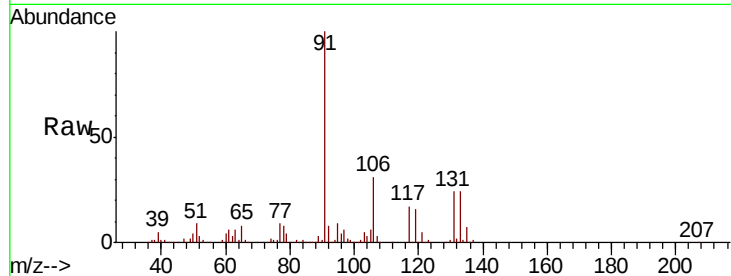
Tot Ion:131 Resp: 127238

Ion Ratio Lower Upper

131 100

133 96.9 0.0 189.4

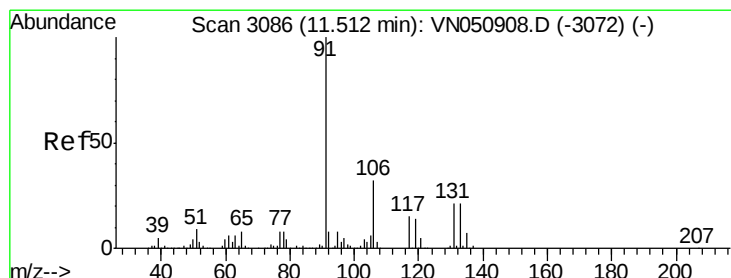
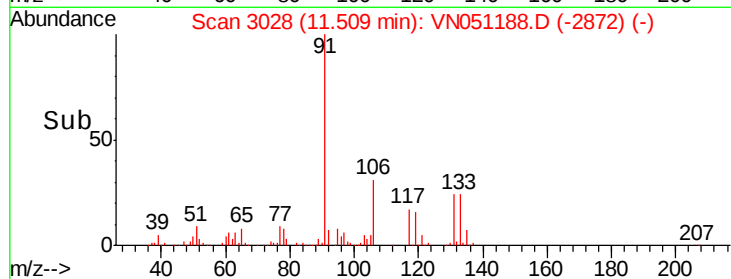
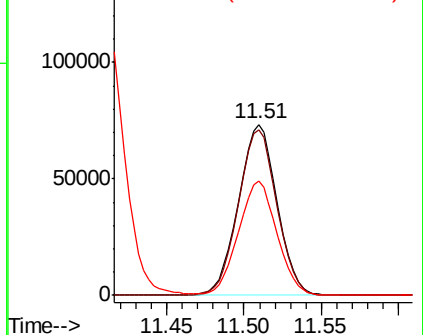
119 66.9 0.0 132.2



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: 12.94 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051188.D

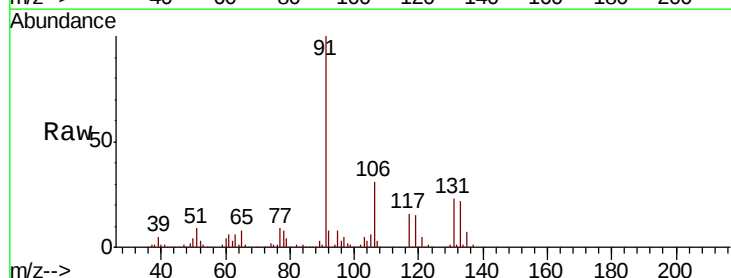
Acq: 14 Sep 2018 14:22

Tgt Ion: 91 Resp: 526642

Ion Ratio Lower Upper

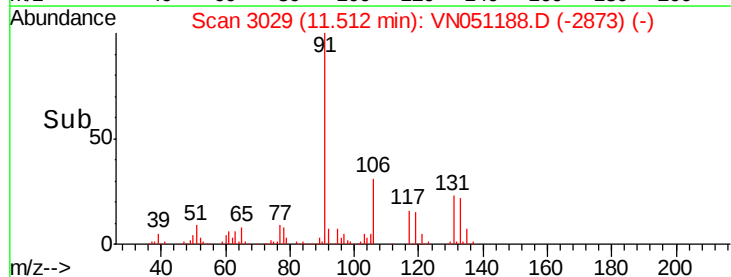
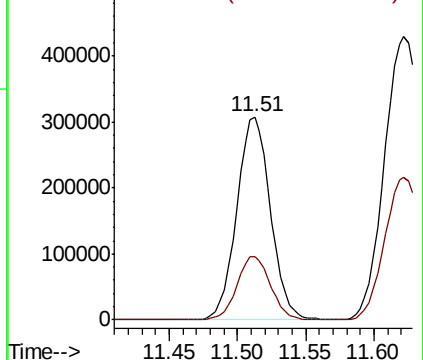
91 100

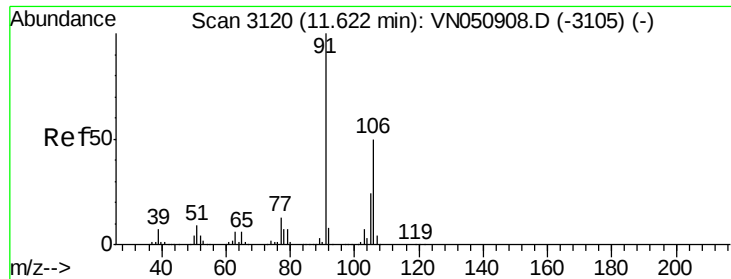
106 31.5 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

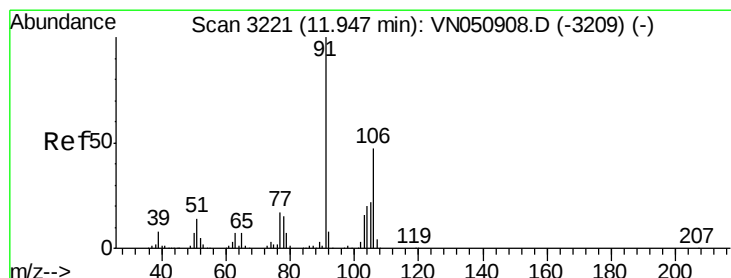
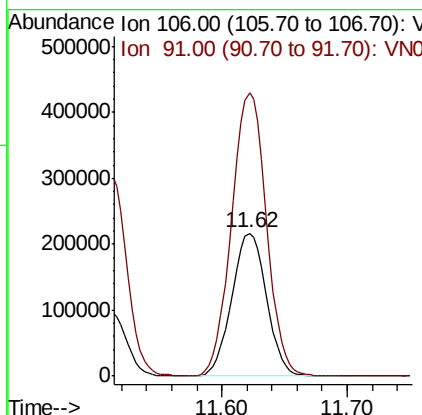
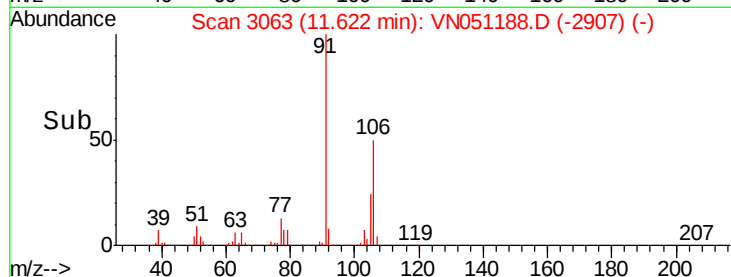
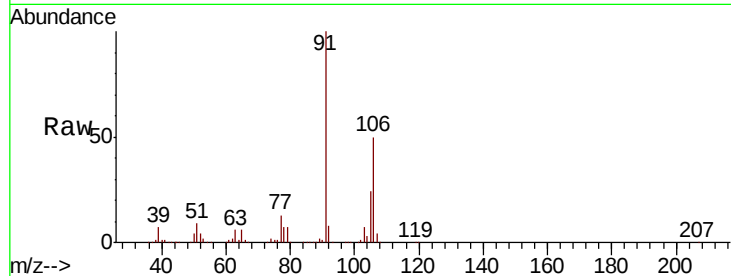




#67
m/p-Xylenes
Concen: 26.61 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

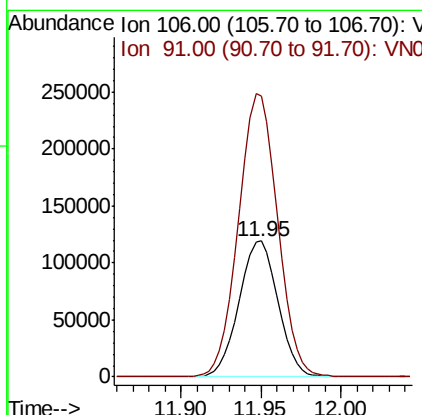
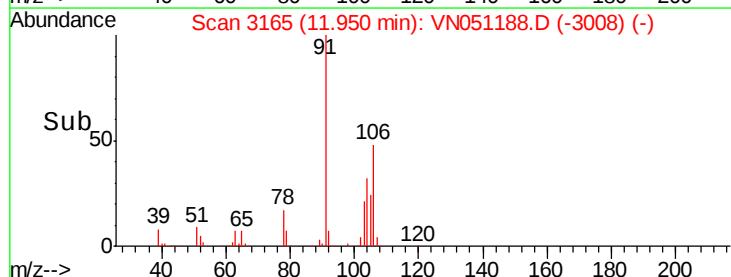
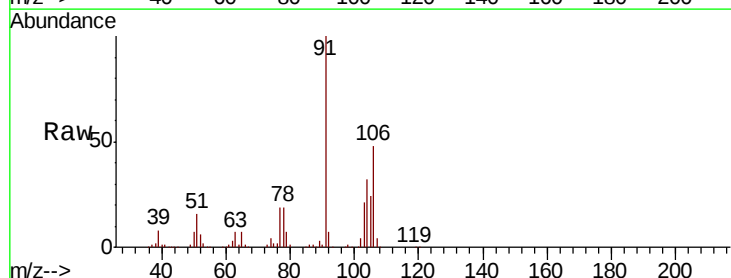
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

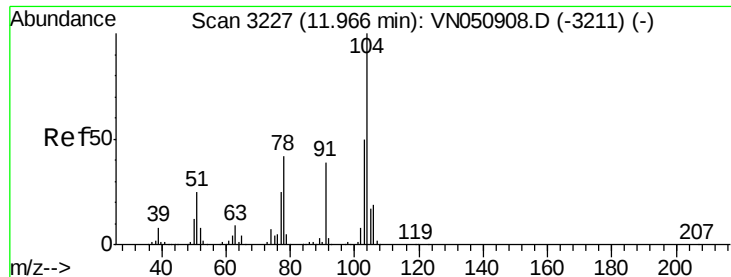
Tot Ion:106 Resp: 416788
Ion Ratio Lower Upper
106 100
91 198.4 160.6 241.0



#68
o-Xylene
Concen: 13.21 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion:106 Resp: 197786
Ion Ratio Lower Upper
106 100
91 209.5 106.4 319.2





#69

Stvrene

Concen: 12.93 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

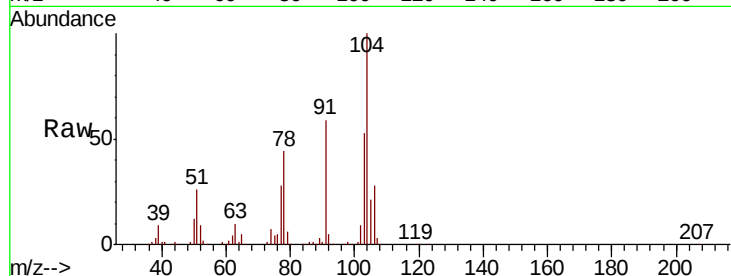
Tot Ion:104 Resp: 307729

Ion Ratio Lower Upper

104 100

78 48.6 38.6 58.0

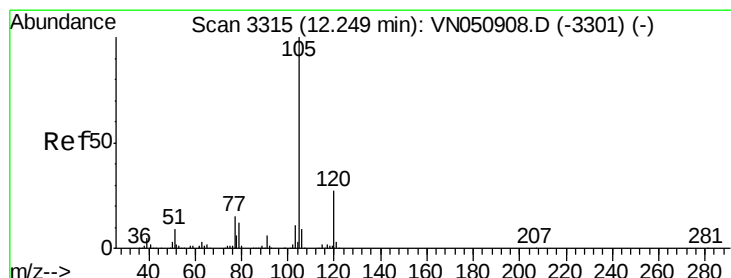
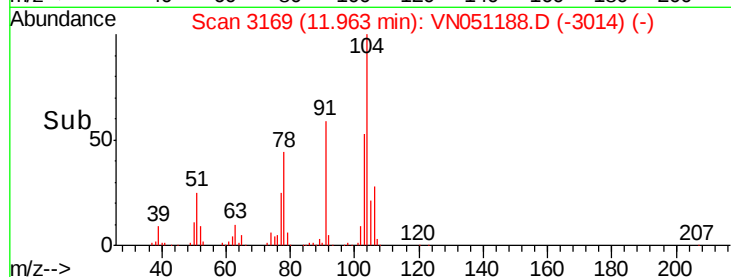
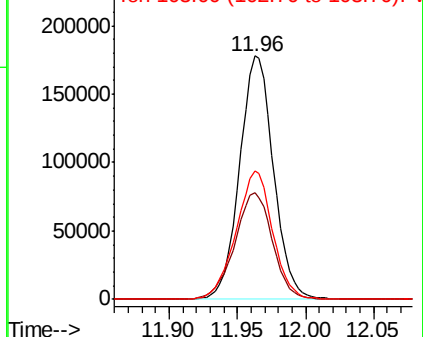
103 56.8 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 13.09 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051188.D

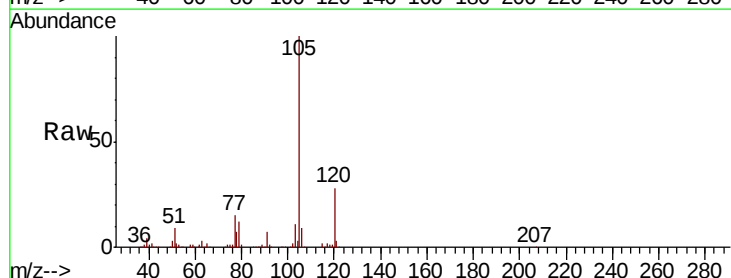
Acq: 14 Sep 2018 14:22

Tgt Ion:105 Resp: 520601

Ion Ratio Lower Upper

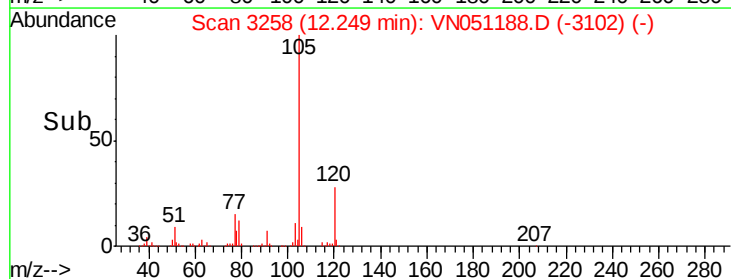
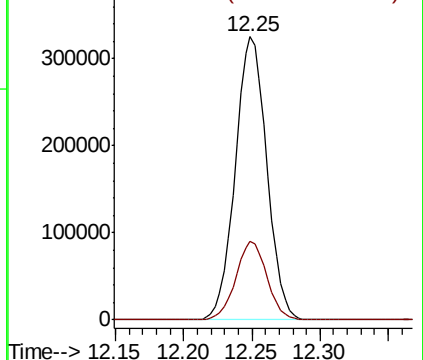
105 100

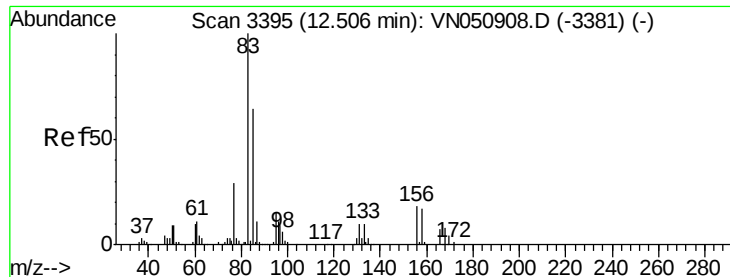
120 27.4 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 12.03 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

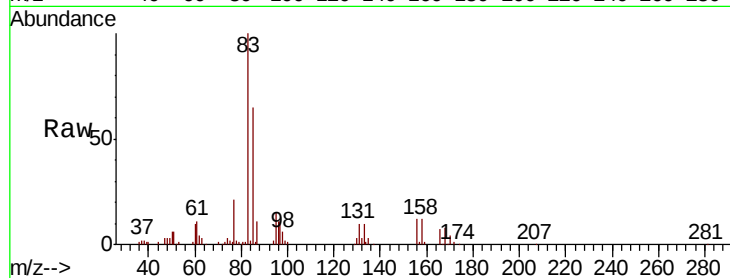
Tot Ion: 83 Resp: 129536

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.9

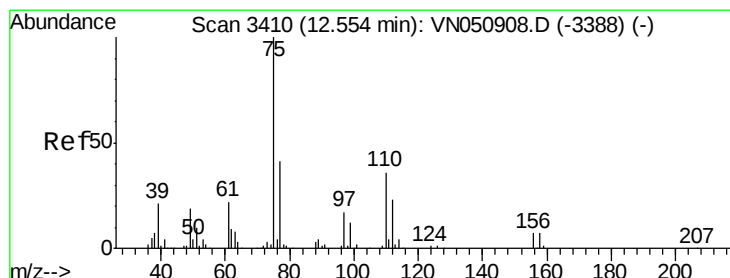
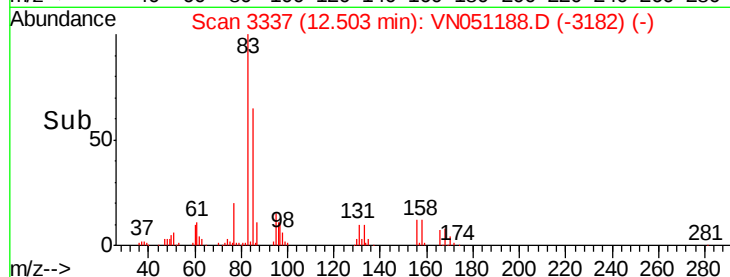
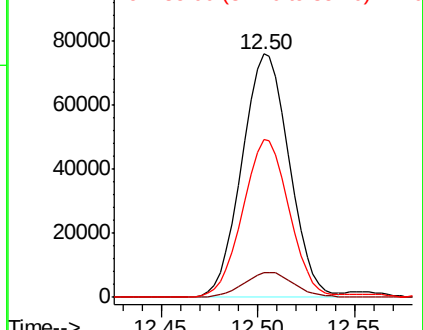
85 63.6 32.3 96.9



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: 15.42 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051188.D

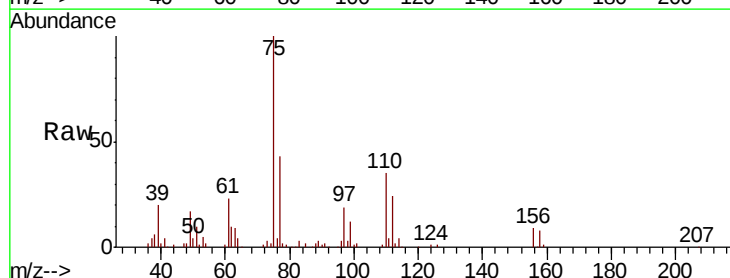
Acq: 14 Sep 2018 14:22

Tgt Ion: 75 Resp: 143285

Ion Ratio Lower Upper

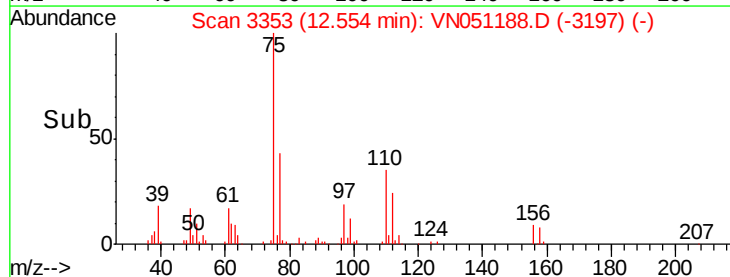
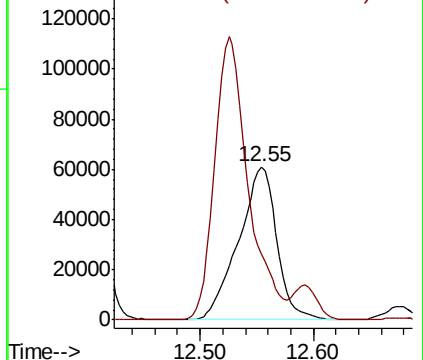
75 100

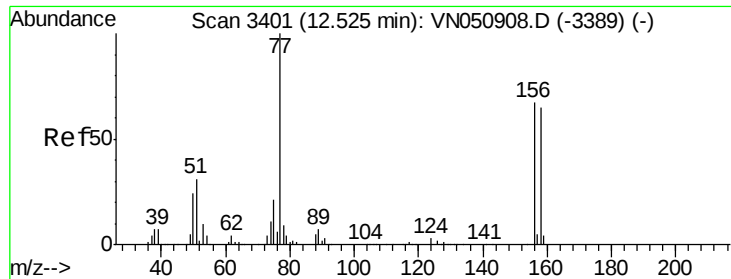
77 162.6 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 12.83 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

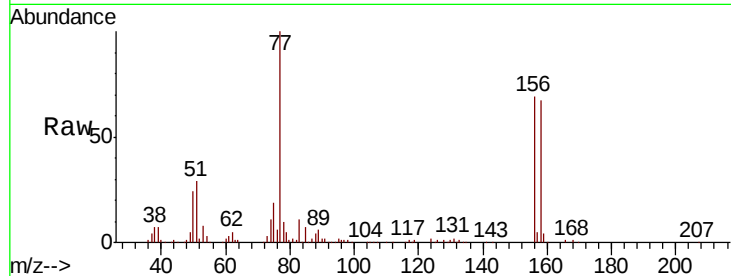
Tot Ion:156 Resp: 134219

Ion Ratio Lower Upper

156 100

77 173.6 0.0 359.4

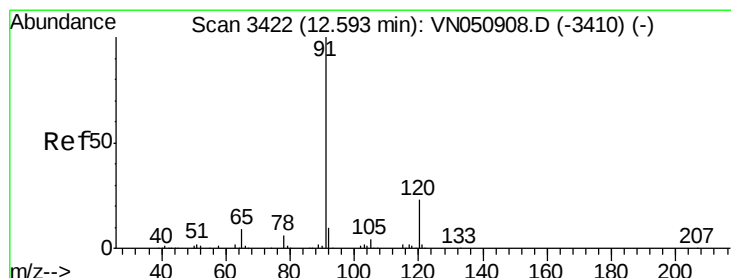
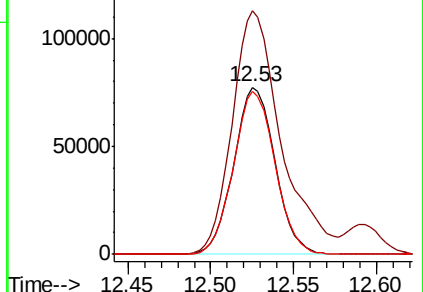
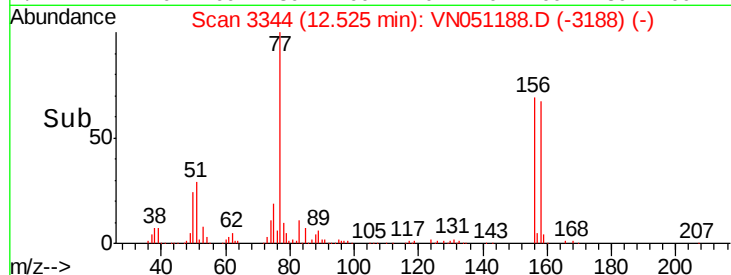
158 98.2 0.0 194.6



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: 12.72 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051188.D

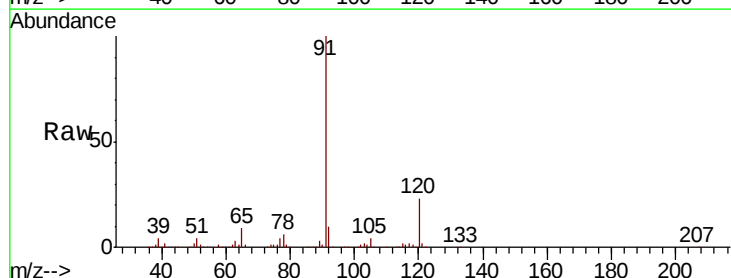
Acq: 14 Sep 2018 14:22

Tgt Ion: 91 Resp: 572049

Ion Ratio Lower Upper

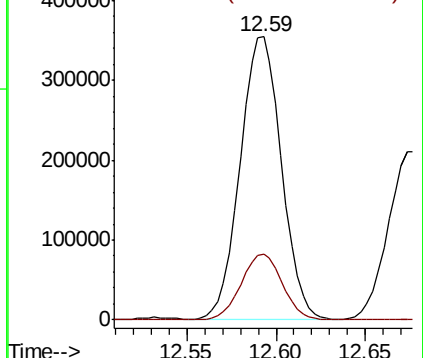
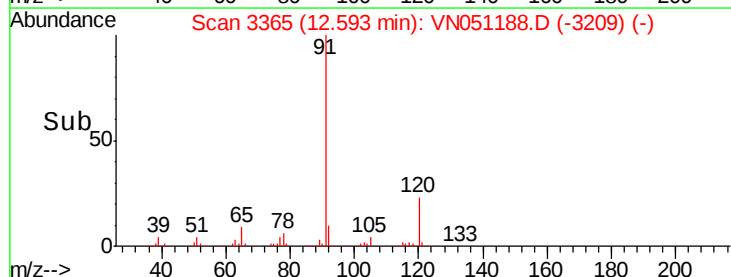
91 100

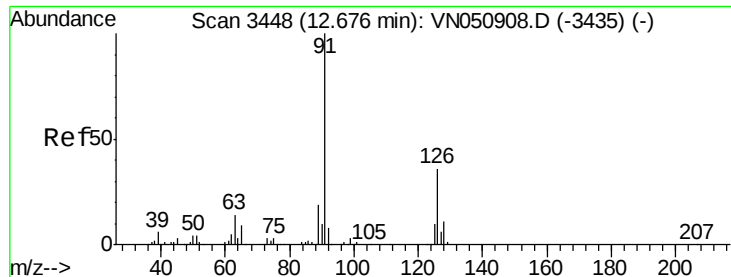
120 23.2 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 12.95 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

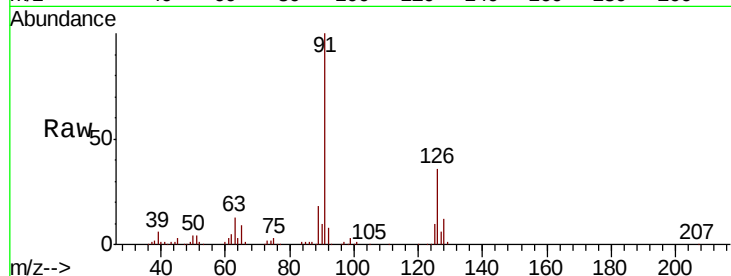
VN0914WBS02

Tot Ion: 91 Resp: 353662

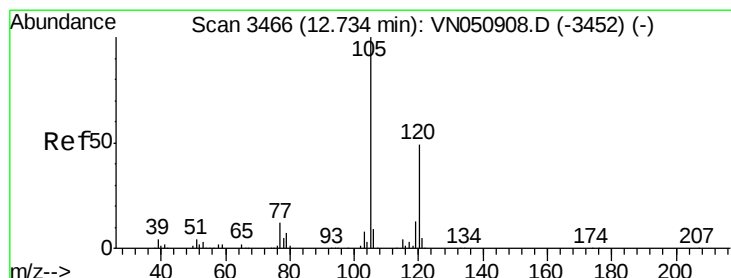
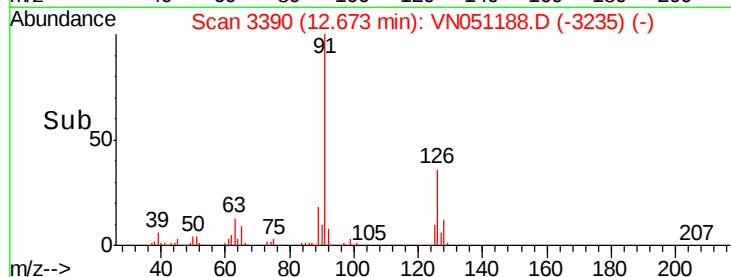
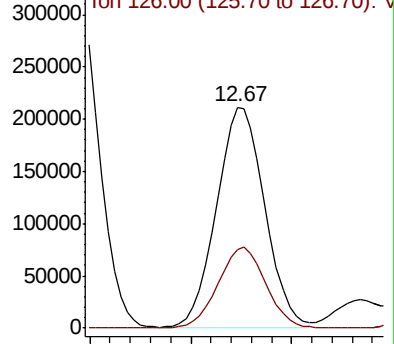
Ion Ratio Lower Upper

91 100

126 36.2 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)



#76

1,3,5-Trimethylbenzene

Concen: 13.07 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051188.D

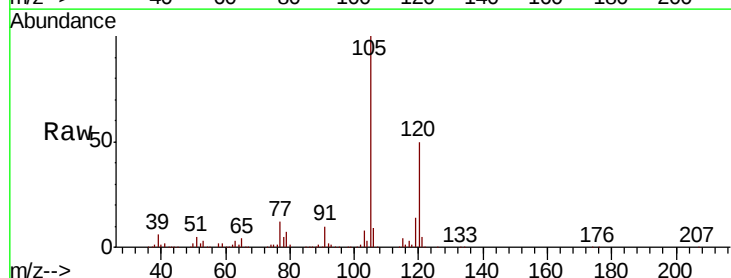
Acq: 14 Sep 2018 14:22

Tgt Ion:105 Resp: 424713

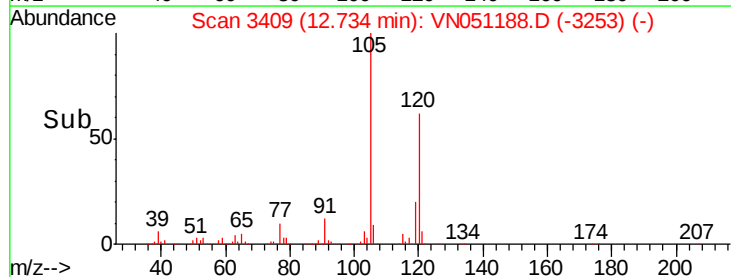
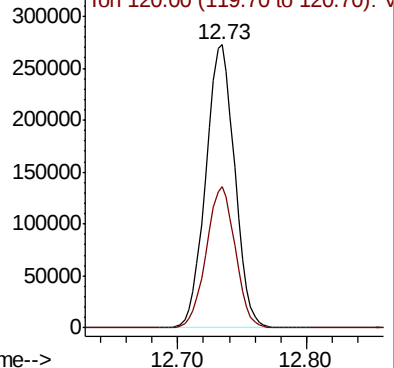
Ion Ratio Lower Upper

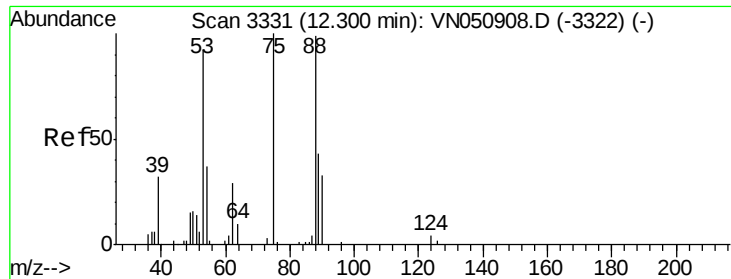
105 100

120 50.1 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 10.06 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

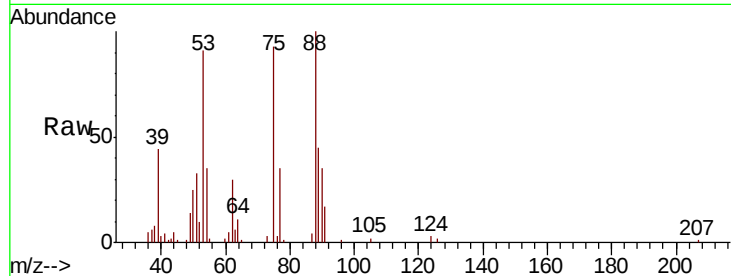
Tot Ion: 75 Resp: 26626

Ion Ratio Lower Upper

75 100

53 95.5 45.5 136.4

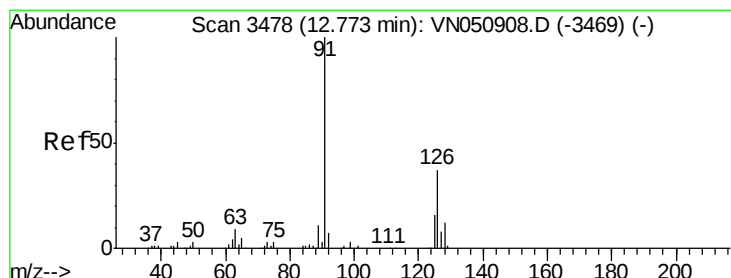
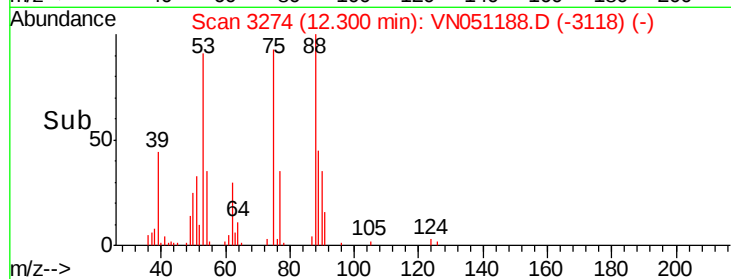
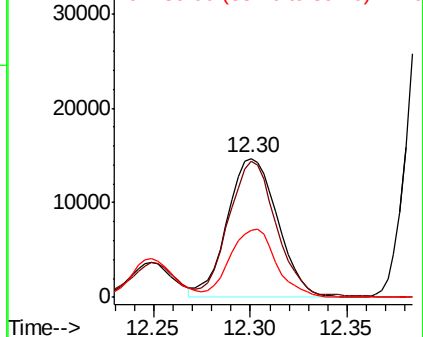
89 48.4 21.9 65.8



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: 12.59 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051188.D

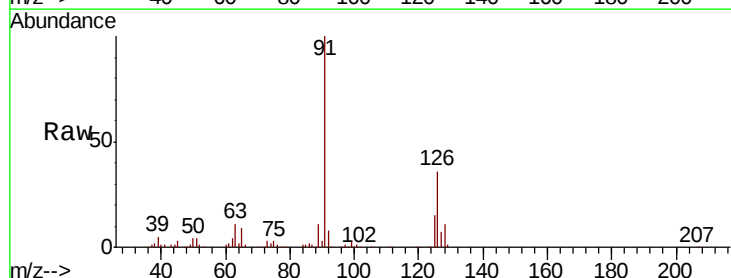
Acq: 14 Sep 2018 14:22

Tgt Ion: 91 Resp: 338698

Ion Ratio Lower Upper

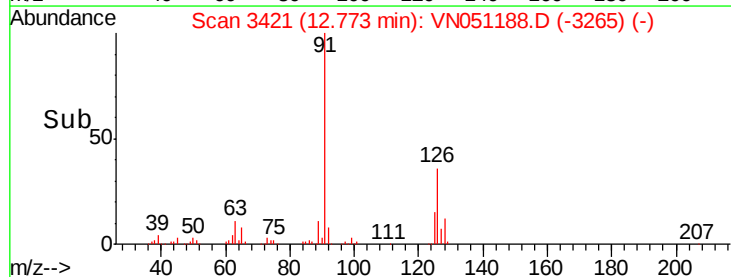
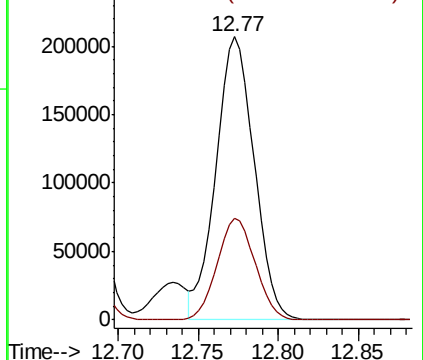
91 100

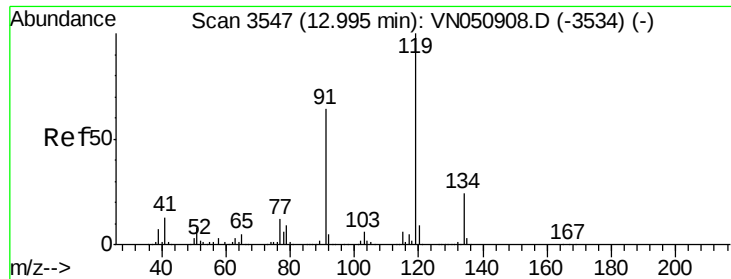
126 35.8 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

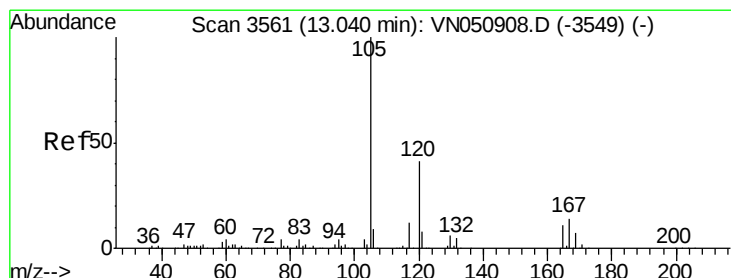
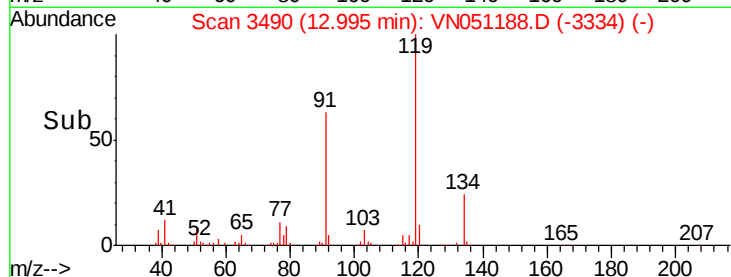
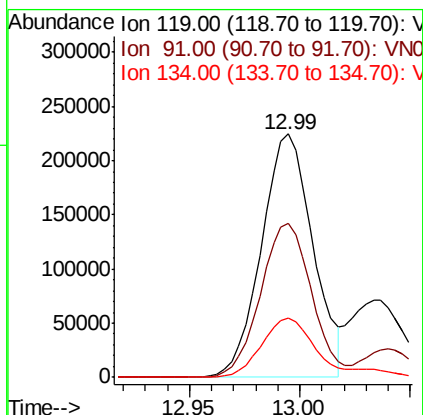
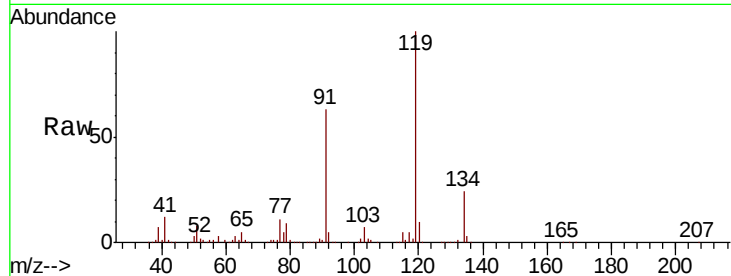




#79
tert-butylbenzene
Concen: 12.87 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

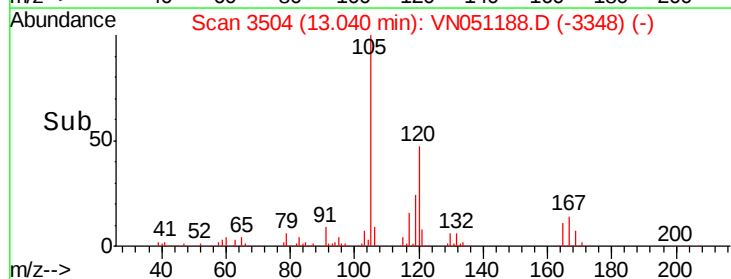
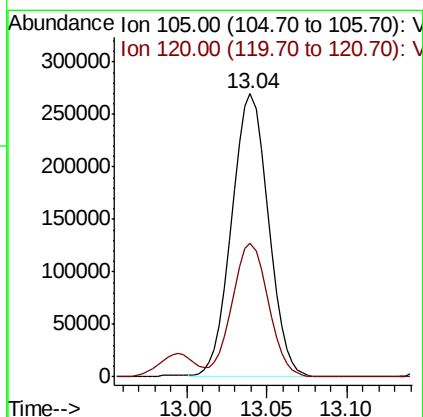
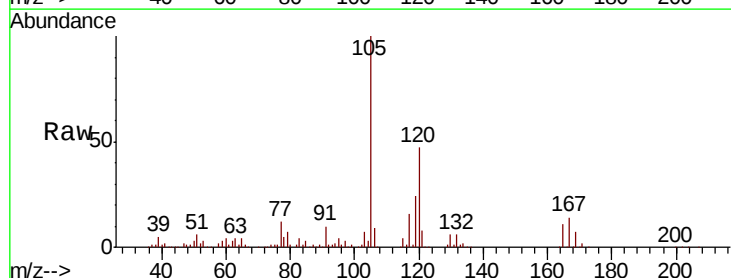
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS02

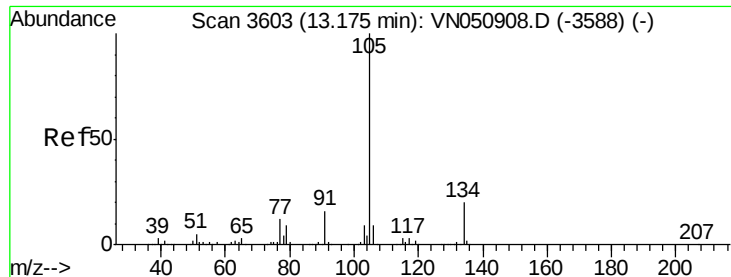
Tot Ion:119 Resp: 363221
Ion Ratio Lower Upper
119 100
91 62.7 0.0 125.6
134 24.8 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 13.04 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion:105 Resp: 422510
Ion Ratio Lower Upper
105 100
120 46.8 0.0 93.6

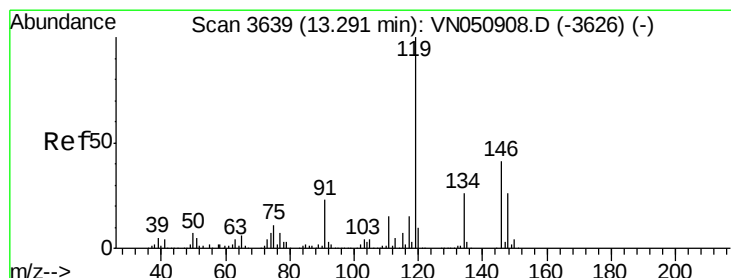
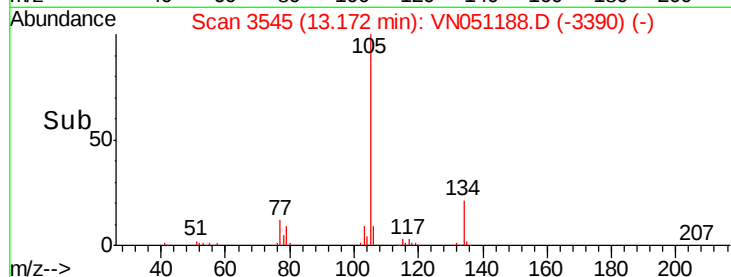
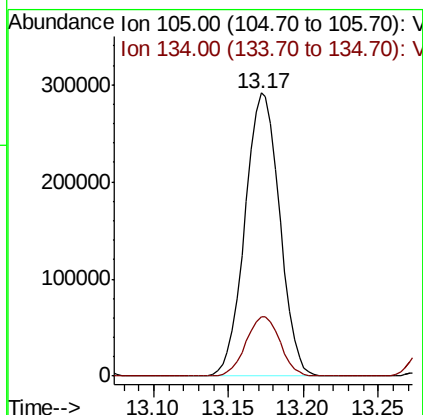
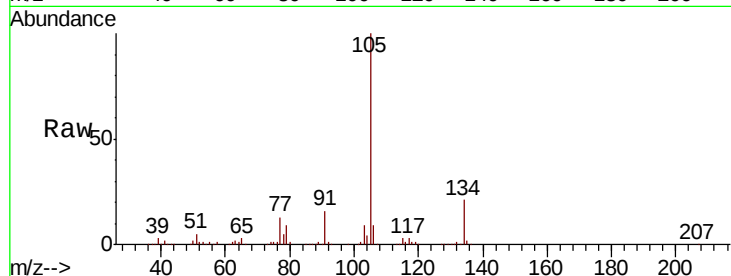




#81
 sec-Butylbenzene
 Concen: 12.75 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

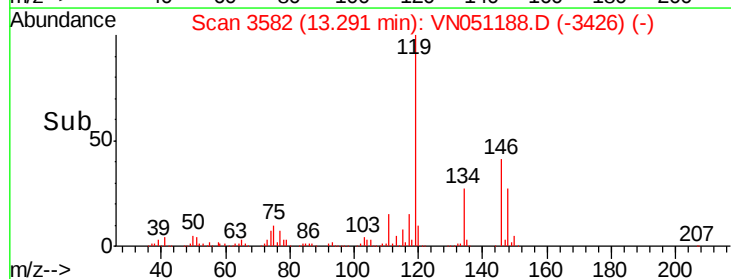
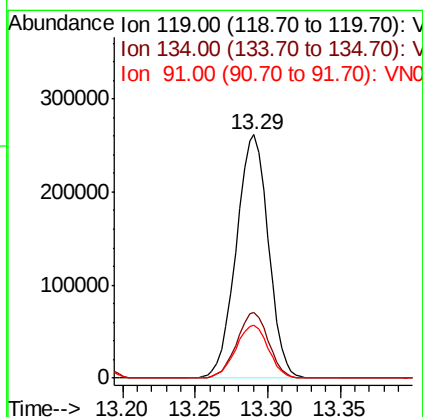
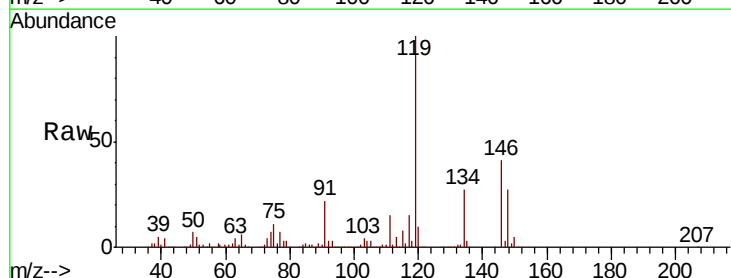
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

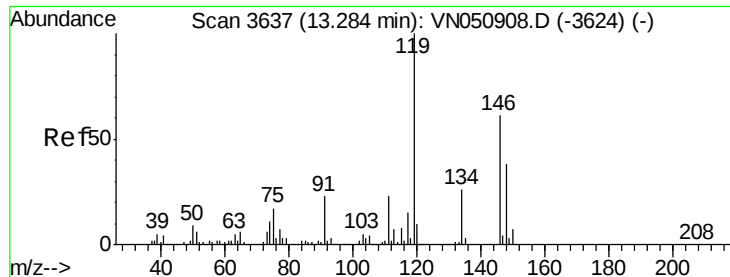
Tot Ion:105 Resp: 470886
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 12.55 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion:119 Resp: 400205
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.2
 91 22.3 0.0 46.0

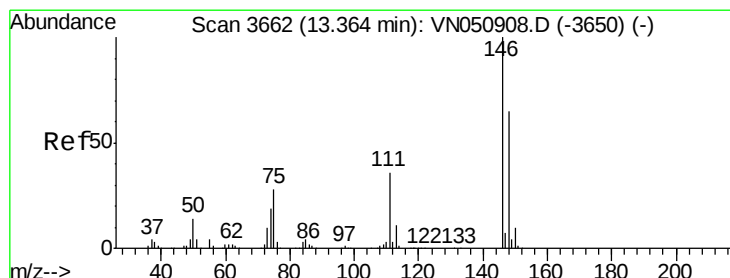
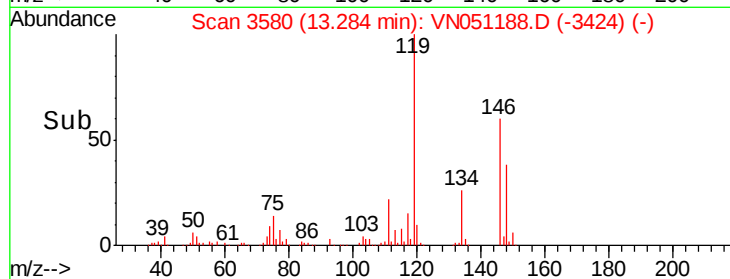
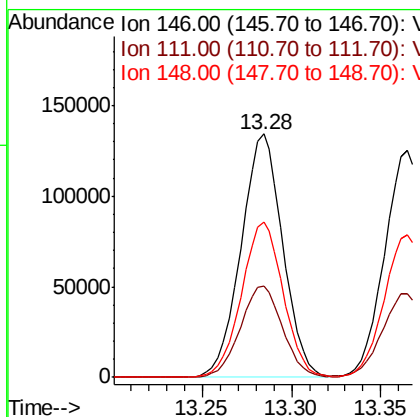
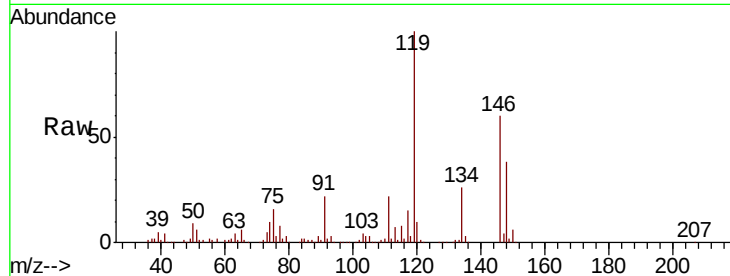




#83
 1,3-Dichlorobenzene
 Concen: 12.38 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

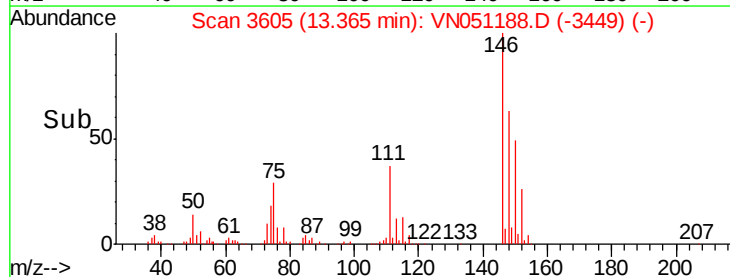
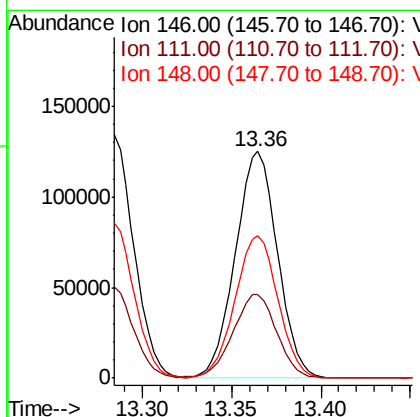
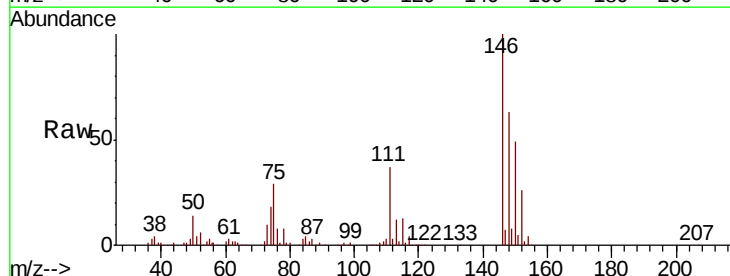
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

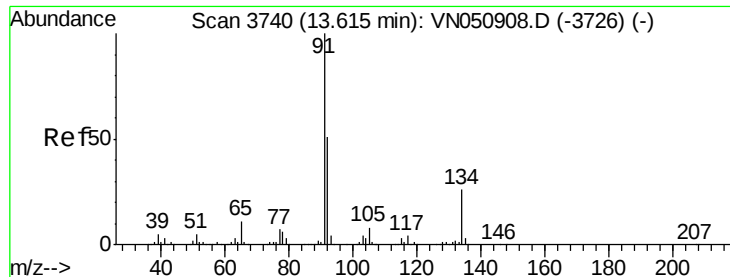
Tot Ion:146 Resp: 219008
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 63.9 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 12.29 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion:146 Resp: 205966
 Ion Ratio Lower Upper
 146 100
 111 38.6 17.7 53.1
 148 64.1 31.6 94.8

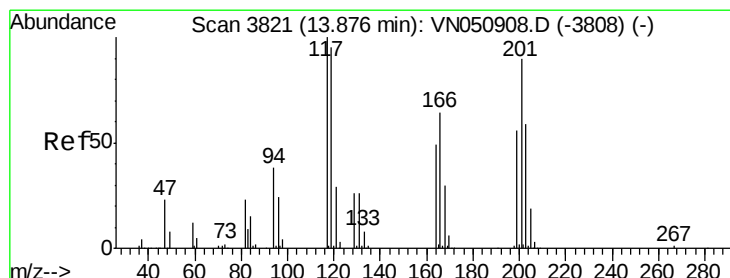
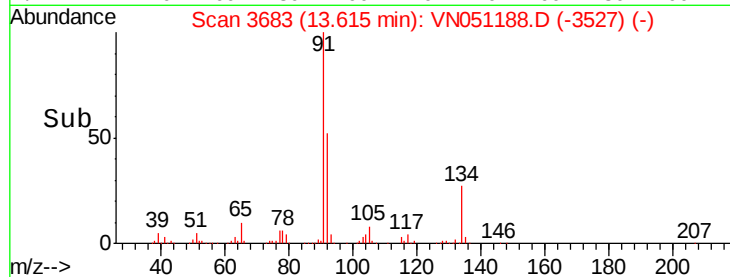
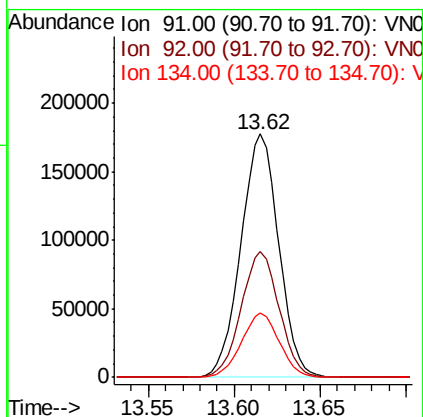
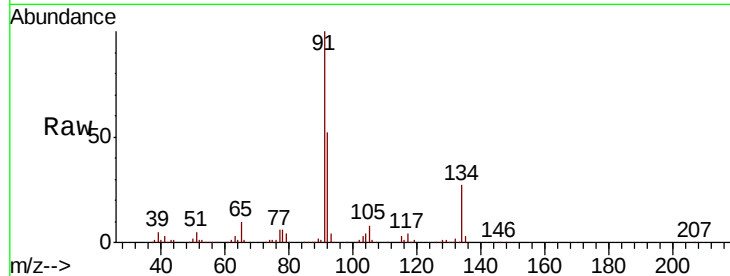




#85
n-Butylbenzene
Concen: 11.16 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

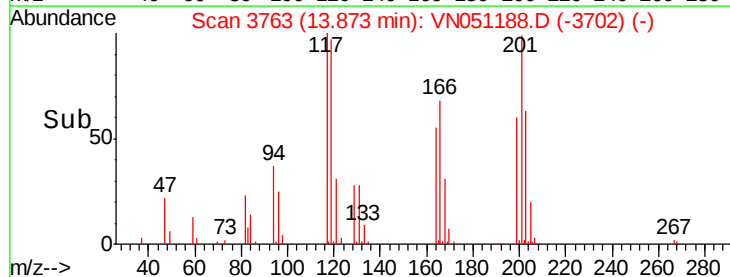
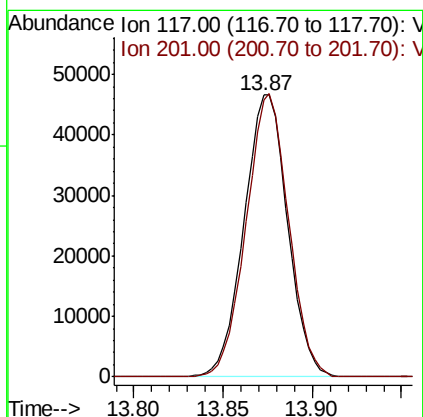
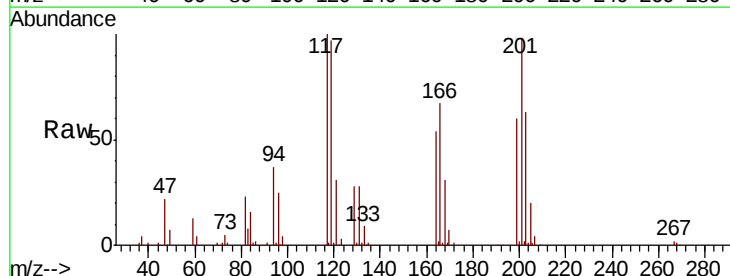
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS02

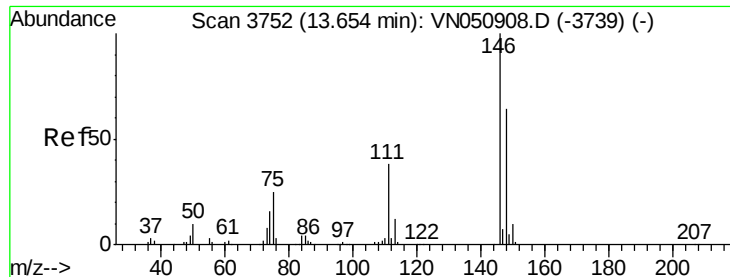
Tot Ion: 91 Resp: 271362
Ion Ratio Lower Upper
91 100
92 51.7 0.0 101.8
134 26.3 0.0 52.2



#86
Hexachloroethane
Concen: 13.00 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051188.D
Acq: 14 Sep 2018 14:22

Tgt Ion: 117 Resp: 79537
Ion Ratio Lower Upper
117 100
201 97.6 45.8 137.4

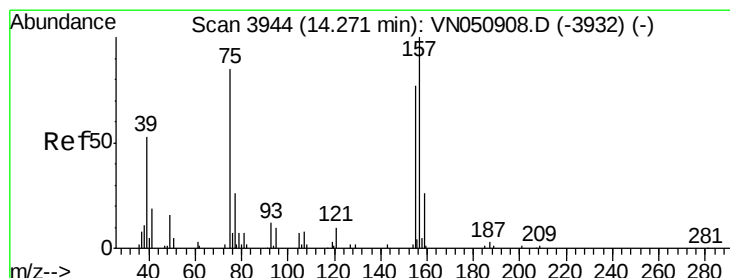
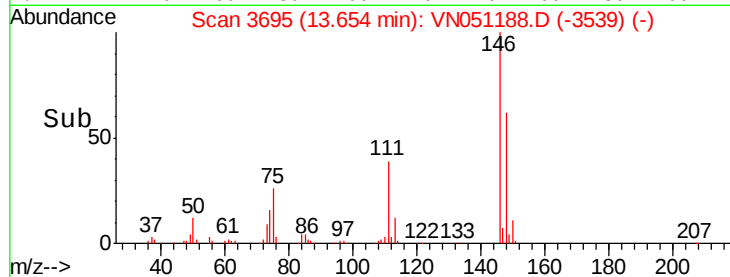
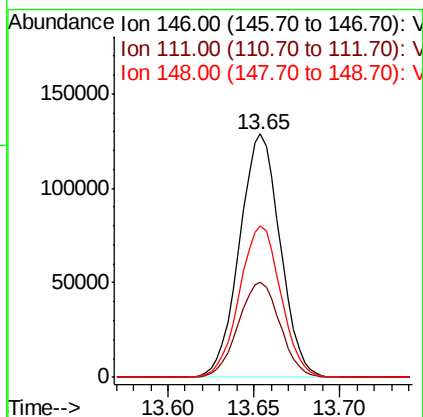
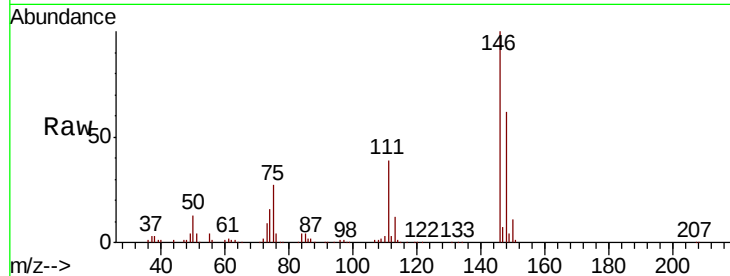




#87
 1,2-Dichlorobenzene
 Concen: 12.17 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

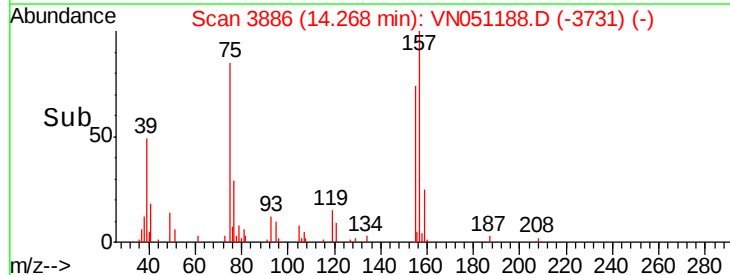
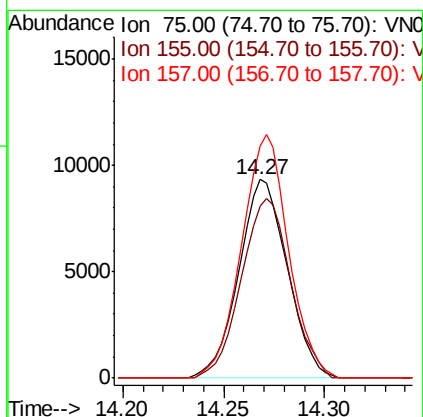
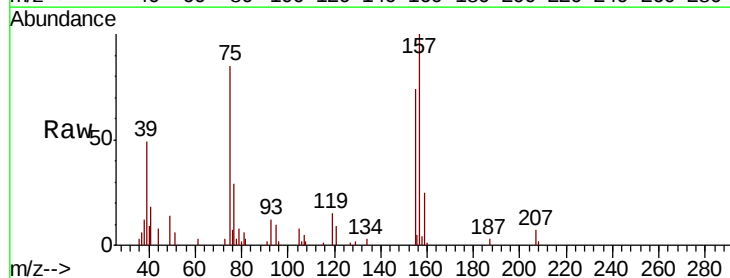
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

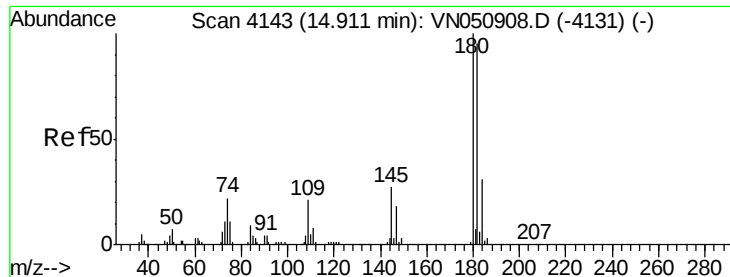
Tot Ion:146 Resp: 211861
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.1 57.1
 148 63.3 31.9 95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 10.45 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion: 75 Resp: 15740
 Ion Ratio Lower Upper
 75 100
 155 91.4 71.8 107.6
 157 118.5 91.1 136.7

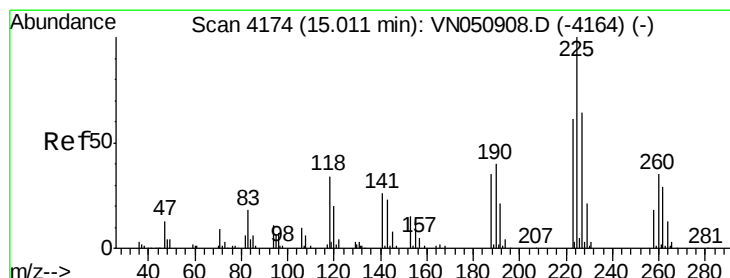
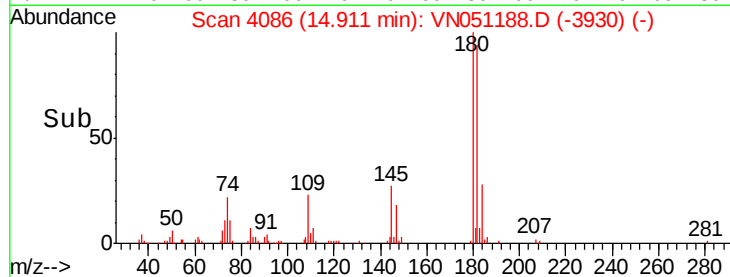
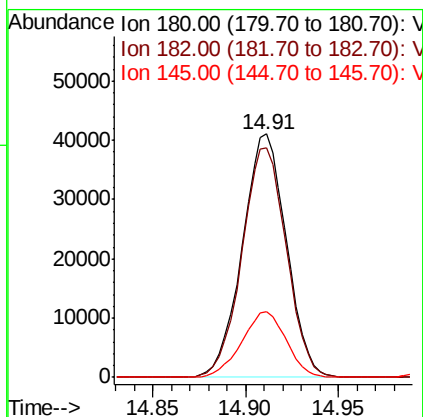
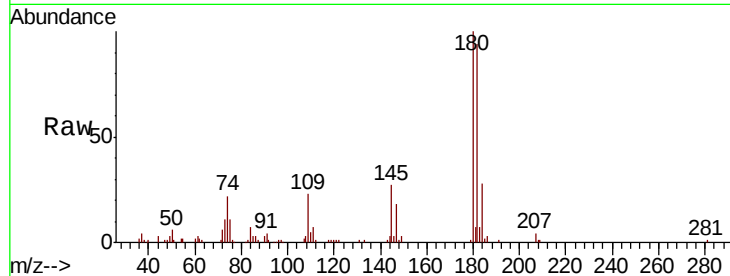




#89
 1,2,4-Trichlorobenzene
 Concen: 8.72 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

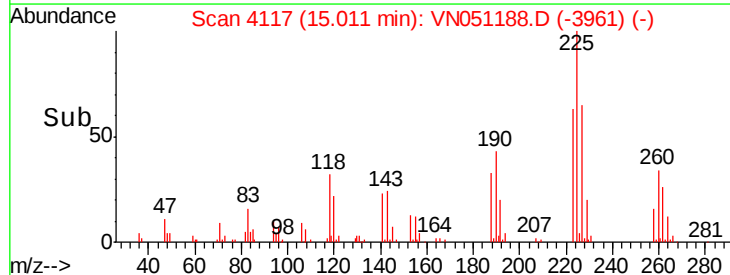
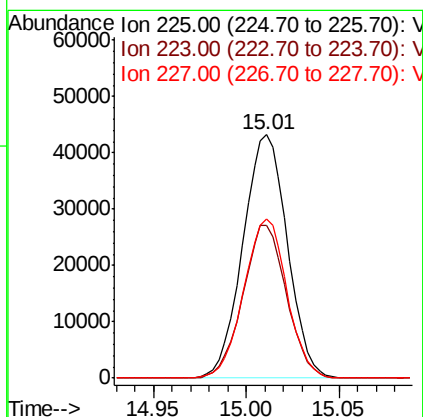
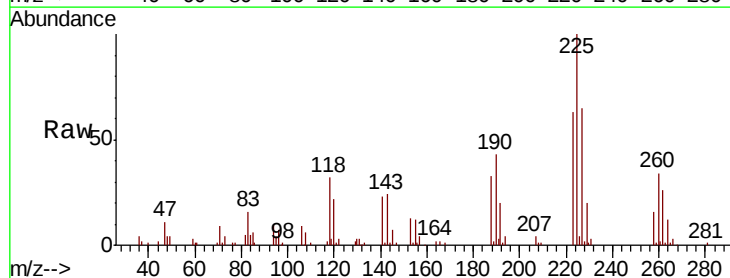
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS02

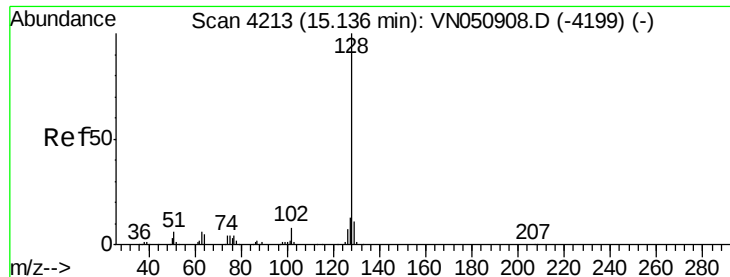
Tot Ion:180 Resp: 67633
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 145 27.2 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 13.72 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051188.D
 Acq: 14 Sep 2018 14:22

Tgt Ion:225 Resp: 72258
 Ion Ratio Lower Upper
 225 100
 223 61.4 0.0 127.8
 227 63.4 0.0 128.4





#91

Naphthalene

Concen: 13.26 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS02

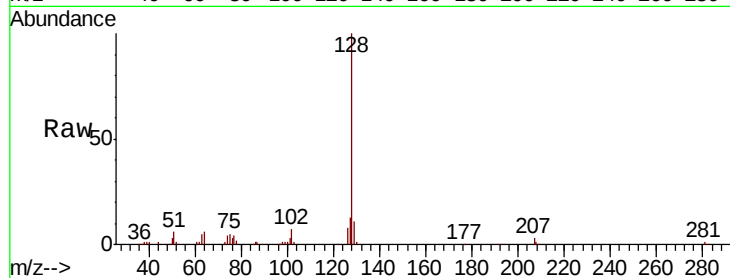
Tot Ion:128 Resp: 113477

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

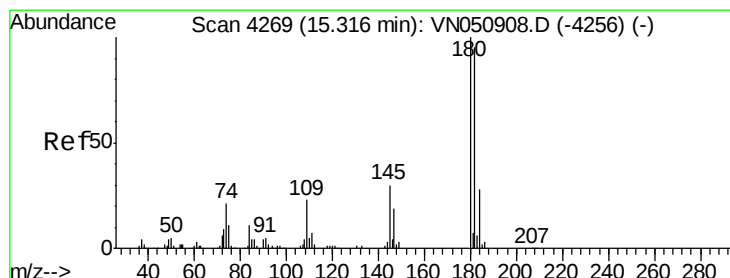
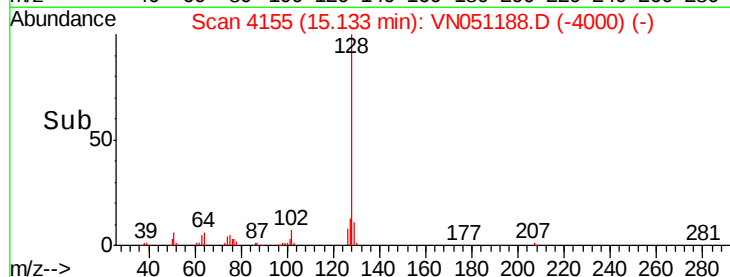
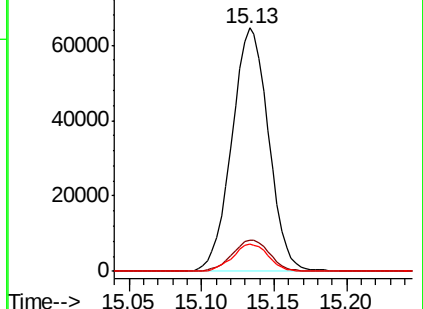
129 10.8 8.7 13.1



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: 9.34 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051188.D

Acq: 14 Sep 2018 14:22

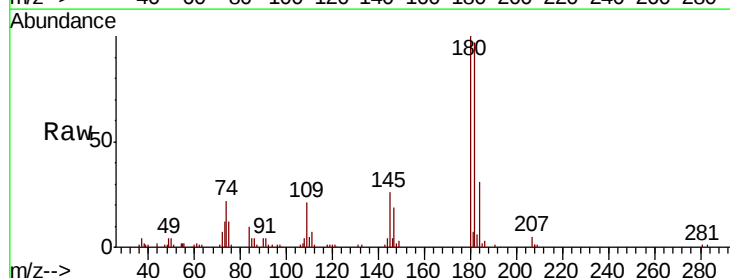
Tgt Ion:180 Resp: 72649

Ion Ratio Lower Upper

180 100

182 96.1 0.0 192.8

145 28.1 0.0 60.0



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

