

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN051001.D
 Acq On : 31 Aug 2018 20:58
 Operator : MD\SY
 Sample : VN0831WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Quant Time: Aug 31 23:09:59 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	114512	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	627353	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	549183	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	219012	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	12.40	95	238817	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	781065	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	140655	19.78	ug/l	99
3) Chloromethane	2.06	50	152967	18.22	ug/l	100
4) Vinyl Chloride	2.18	62	159359	19.21	ug/l	100
5) Bromomethane	2.57	94	70294	13.90	ug/l	98
6) Chloroethane	2.70	64	93647	19.14	ug/l	98
7) Trichlorofluoromethane	3.02	101	217566	19.78	ug/l	98
8) Diethyl Ether	3.41	74	72977	18.82	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133766	19.64	ug/l	98
10) 1,1-Dichloroethene	3.74	96	118691	19.18	ug/l	99
11) Methyl Iodide	3.95	142	83363	14.44	ug/l	99
12) Methyl Acetate	4.33	43	140200	19.59	ug/l	96
13) Acrolein	3.61	56	7866	49.65	ug/l	95
14) Acrylonitrile	5.00	53	205307	84.87	ug/l	97
15) Acetone	3.82	58	50226	81.14	ug/l	98
16) Carbon Disulfide	4.05	76	344083	18.49	ug/l	100
17) Allyl chloride	4.32	41	177985	18.28	ug/l	98
18) Methylene Chloride	4.55	84	139226	19.17	ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	124121	18.83	ug/l	95
20) Diisopropyl ether	5.96	45	393575	19.47	ug/l	99
21) 1,1-Dichloroethane	5.85	63	242812	19.60	ug/l	100
22) cis-1,2-Dichloroethene	6.84	96	143759	19.30	ug/l	99
23) tert-Butyl Alcohol	4.79	59	20493	39.83	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	307765	18.19	ug/l	98
25) Chloroform	7.37	83	244191	19.75	ug/l	100
26) Cyclohexane	7.66	56	191909	18.69	ug/l	# 97
29) 1,1-Dichloropropene	7.80	75	175291	18.66	ug/l	98
30) 2-Butanone	6.84	43	215261	74.50	ug/l	100
31) 2,2-Dichloropropane	6.83	77	171131	18.73	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	204150	19.17	ug/l	100
33) Carbon Tetrachloride	7.78	117	180461	18.82	ug/l	97
34) Benzene	8.04	78	548731	18.89	ug/l	99
35) Methacrylonitrile	7.18	41	58179	18.38	ug/l	97
36) 1,2-Dichloroethane	8.13	62	165814	18.87	ug/l	100
37) Trichloroethene	8.84	130	147475	19.42	ug/l	96
38) Methylcyclohexane	9.08	83	180457	17.89	ug/l	99
39) 1,2-Dichloropropane	9.12	63	145776	19.21	ug/l	100
40) Dibromomethane	9.21	93	84117	18.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	181588	18.84	ug/l	100
42) Vinyl Acetate	5.90	43	1127536	84.72	ug/l	100
43) Ethyl Acetate	6.93	43	99839	16.87	ug/l	97
44) Isopropyl Acetate	8.17	43	186265	17.83	ug/l	99
45) 1,4-Dioxane	9.20	88	24065	310.18	ug/l	96
46) Methyl methacrylate	9.20	41	85520	16.35	ug/l	99
47) n-amyl Acetate	12.07	43	130878	15.59	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	165642	17.54	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	201441	18.57	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	126558	19.05	ug/l	99
51) Ethyl methacrylate	10.43	69	134090	16.50	ug/l	98
52) 1,3-Dichloropropane	10.71	76	201679	18.33	ug/l	99
53) Dibromochloromethane	10.90	129	138066	18.28	ug/l	99
54) 1,2-Dibromoethane	11.01	107	115897	17.65	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	281734	83.32	ug/l	100
56) Bromoform	12.13	173	91306	17.00	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	505085	80.38	ug/l	100
59) 2-Hexanone	10.75	43	307854	74.96	ug/l	99
61) Tetrachloroethene	10.63	164	136809	19.99	ug/l	99
62) Toluene	10.16	91	615422	20.09	ug/l	100
64) Chlorobenzene	11.43	112	364488	19.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	138902	19.37	ug/l	98
66) Ethyl Benzene	11.51	91	600435	18.92	ug/l	99
67) m/p-Xylenes	11.62	106	472123	38.66	ug/l	100
68) o-Xylene	11.95	106	224260	19.22	ug/l	99
69) Styrene	11.96	104	346063	18.66	ug/l	100
70) Isopropylbenzene	12.25	105	595660	19.21	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	149816	17.85	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	168282	23.24	ug/l	95
73) Bromobenzene	12.53	156	150824	18.49	ug/l	98
74) n-propylbenzene	12.59	91	664968	18.97	ug/l	99
75) 2-Chlorotoluene	12.67	91	413192	19.40	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	491135	19.38	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30062	14.57	ug/l	95
78) 4-Chlorotoluene	12.77	91	393413	18.76	ug/l	99
79) tert-butylbenzene	12.99	119	419206	19.05	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	492298	19.49	ug/l	100
81) sec-Butylbenzene	13.17	105	554108	19.25	ug/l	99
82) p-Isopropyltoluene	13.29	119	485942	19.56	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	253491	18.38	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	235093	17.99	ug/l	98
85) n-Butylbenzene	13.62	91	343743	18.13	ug/l	99
86) Hexachloroethane	13.87	117	79211	16.61	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	254220	18.73	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19048	16.22	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	93902	15.54	ug/l	99
90) Hexachlorobutadiene	15.01	225	87090	21.21	ug/l	98
91) Naphthalene	15.13	128	167709	17.46	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	99028	16.33	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# 1744

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

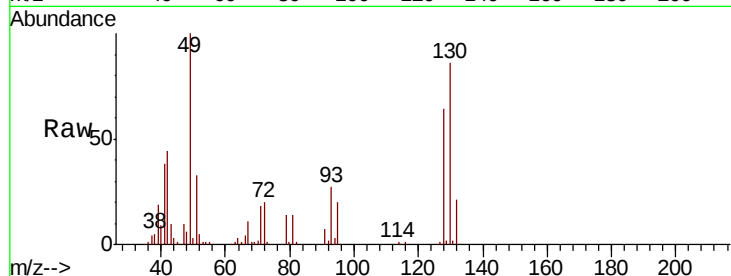
Tot Ion:128 Resp: 114512

Ion Ratio Lower Upper

128 100

49 153.2 0.0 380.3

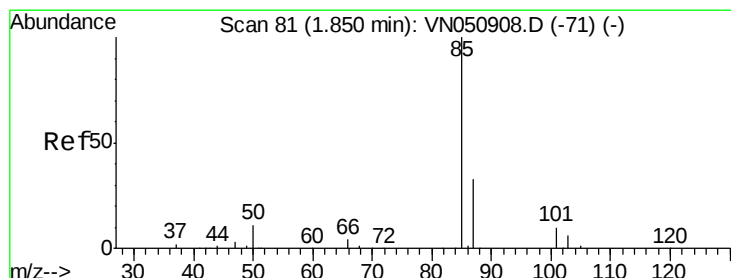
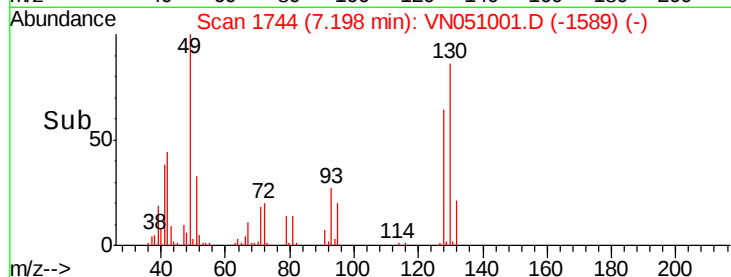
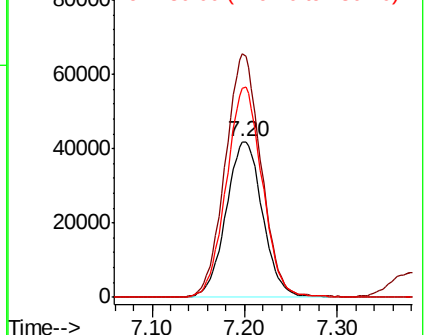
130 132.6 0.0 325.3



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: 19.78 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN051001.D

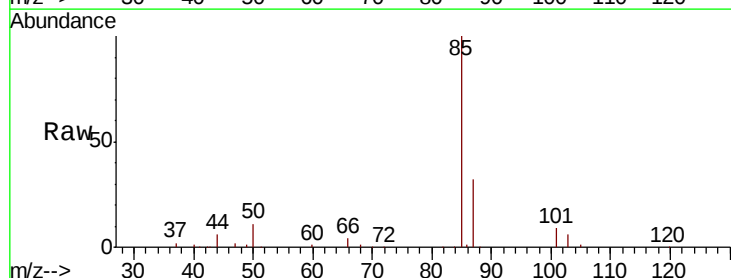
Acq: 31 Aug 2018 20:58

Tgt Ion: 85 Resp: 140655

Ion Ratio Lower Upper

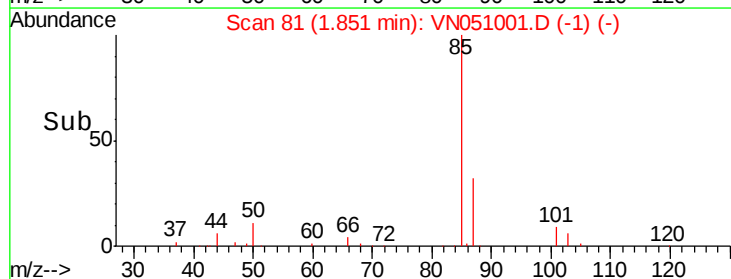
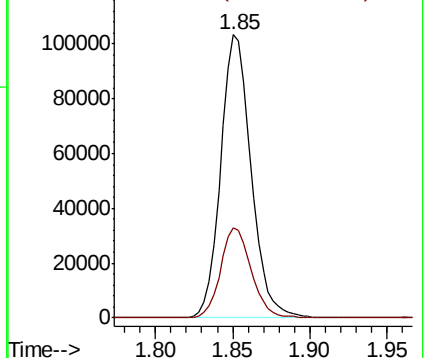
85 100

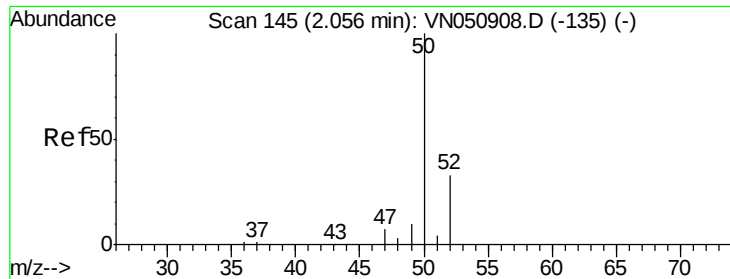
87 31.9 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.22 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

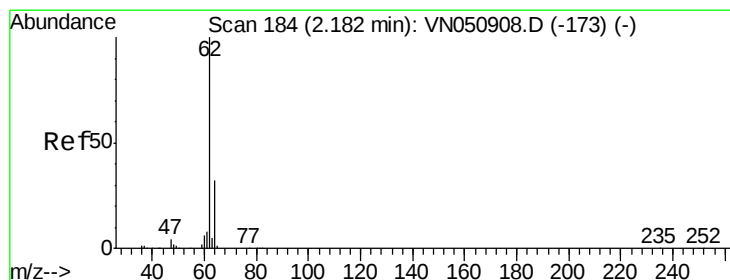
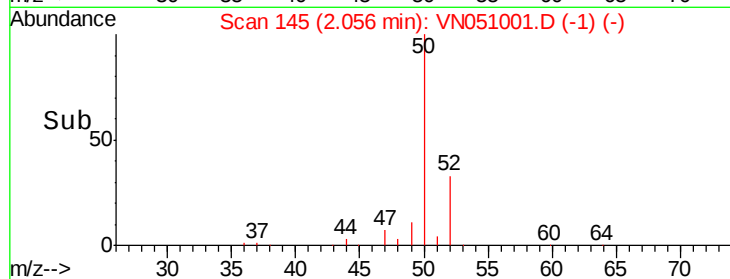
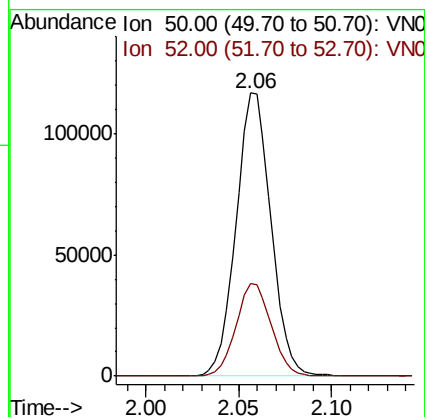
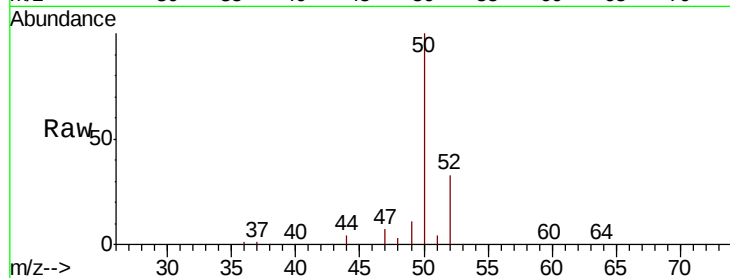
VN0831WBSD02

Tot Ion: 50 Resp: 152967

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4



#4

Vinyl Chloride

Concen: 19.21 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN051001.D

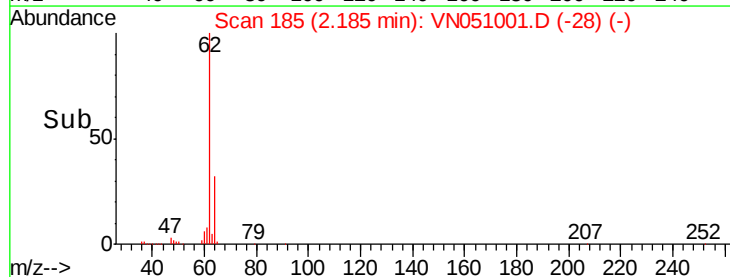
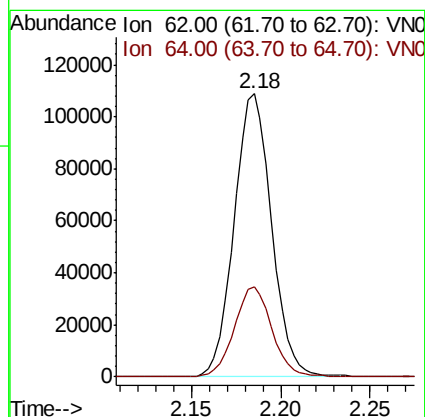
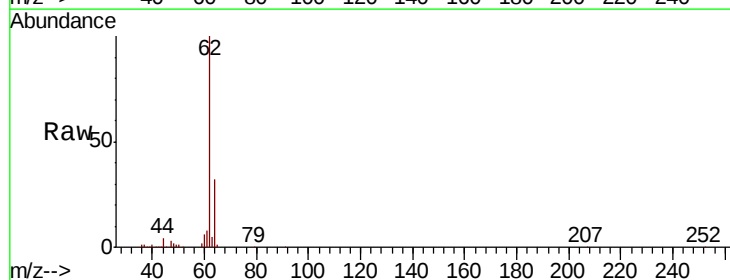
Acq: 31 Aug 2018 20:58

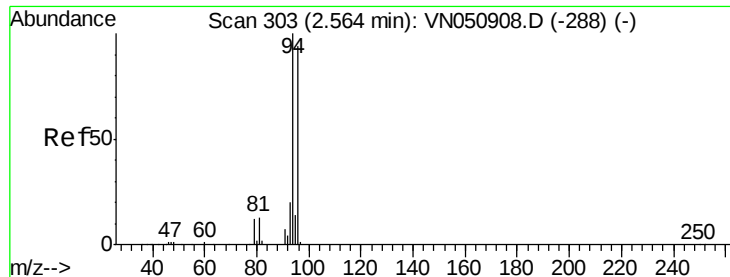
Tgt Ion: 62 Resp: 159359

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 13.90 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

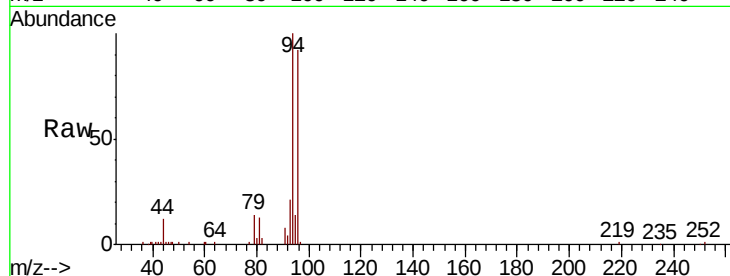
VN0831WBSD02

Tot Ion: 94 Resp: 70294

Ion Ratio Lower Upper

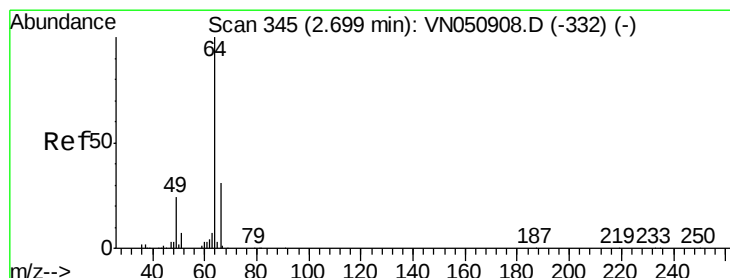
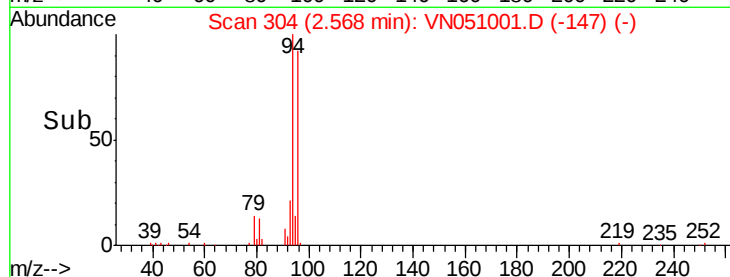
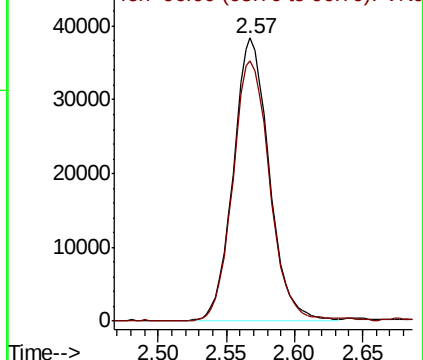
94 100

96 92.0 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: 19.14 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN051001.D

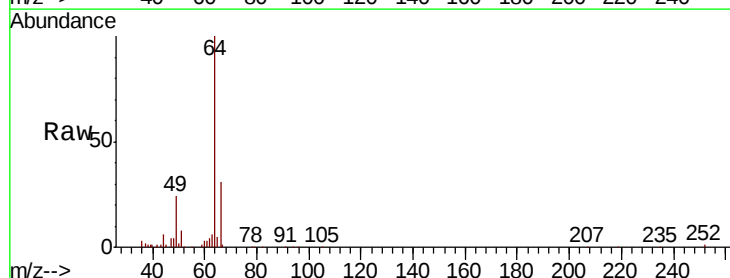
Acq: 31 Aug 2018 20:58

Tgt Ion: 64 Resp: 93647

Ion Ratio Lower Upper

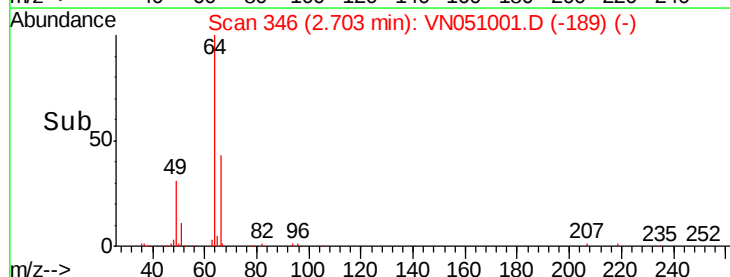
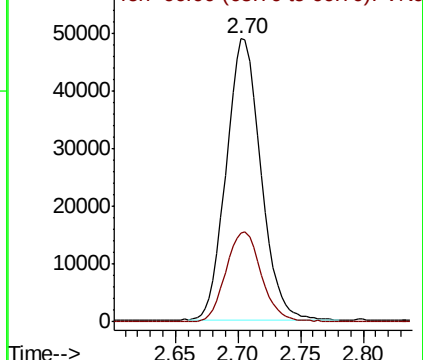
64 100

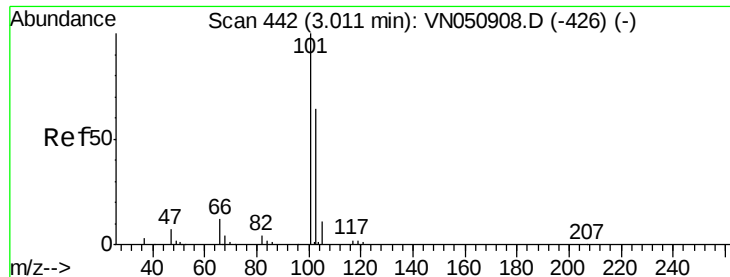
66 31.6 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



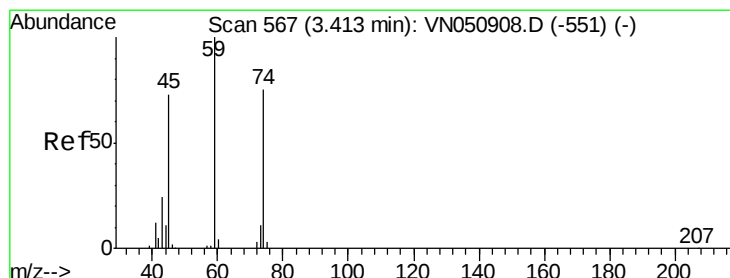
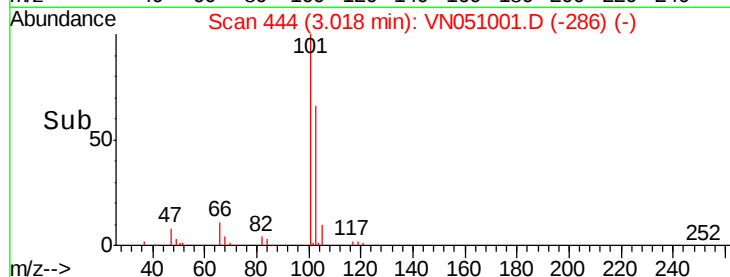
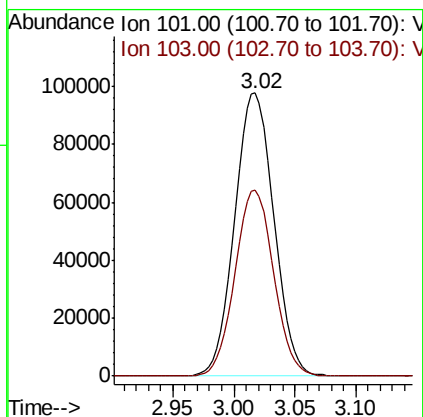
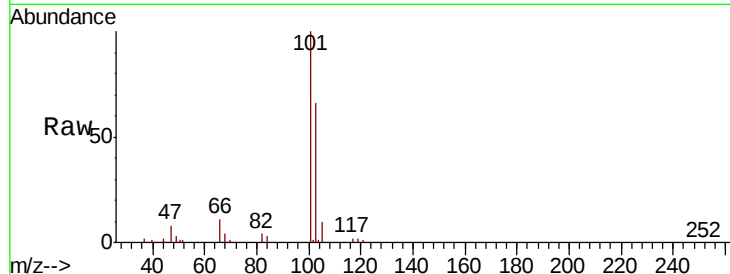


#7

Trichlorofluoromethane
 Concen: 19.78 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
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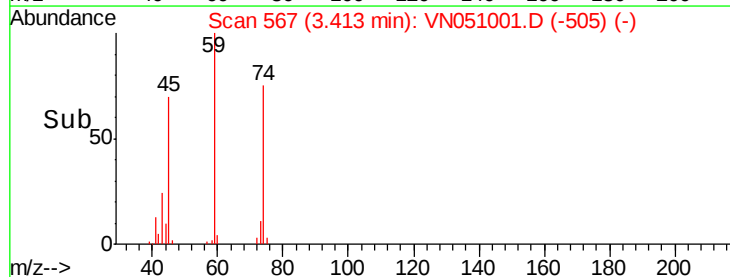
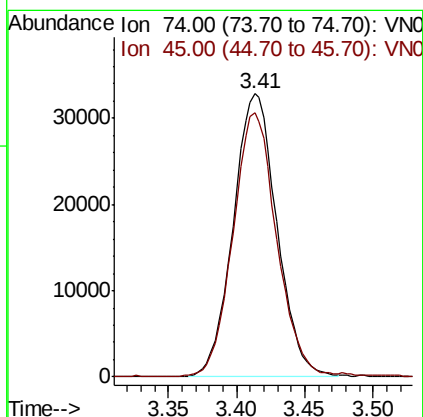
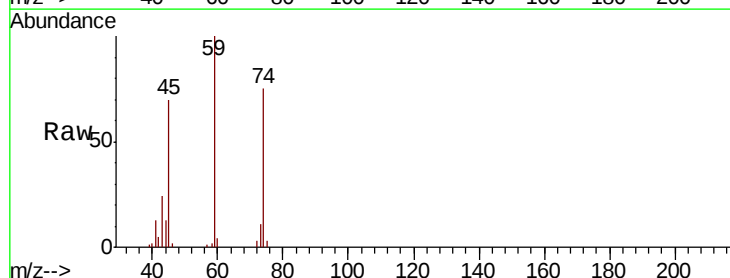
Tot Ion:101 Resp: 217566
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.3 76.9

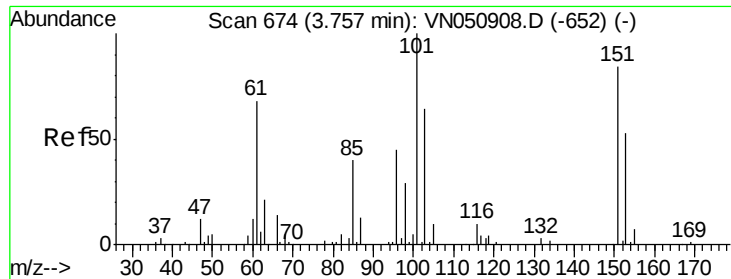


#8

Diethyl Ether
 Concen: 18.82 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 74 Resp: 72977
 Ion Ratio Lower Upper
 74 100
 45 93.5 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.64 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

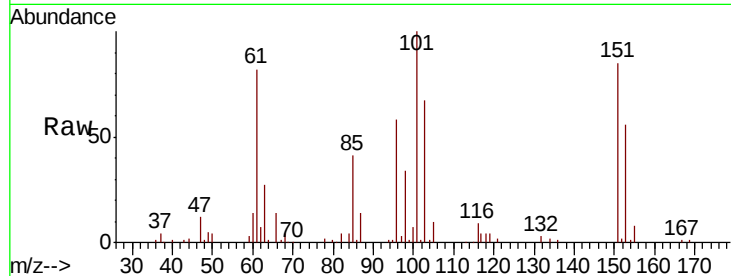
Tot Ion:101 Resp: 133766

Ion Ratio Lower Upper

101 100

85 41.2 0.0 83.6

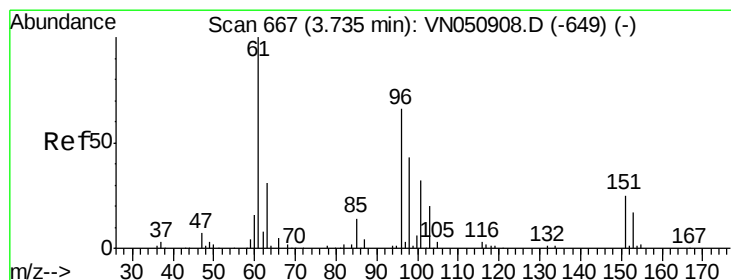
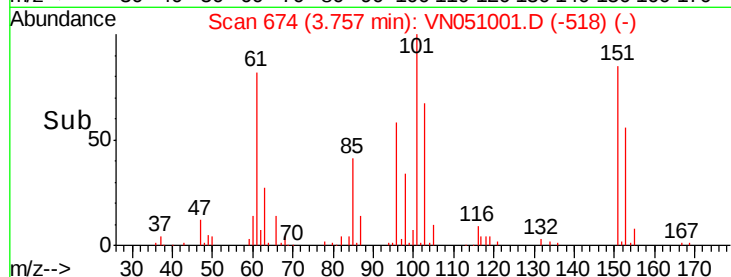
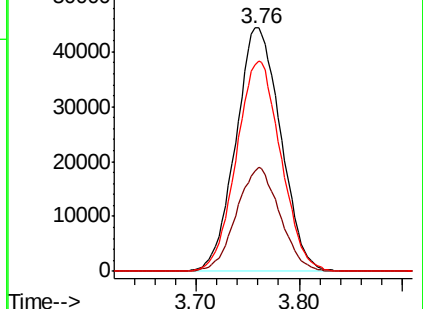
151 85.6 0.0 167.0



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: 19.18 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

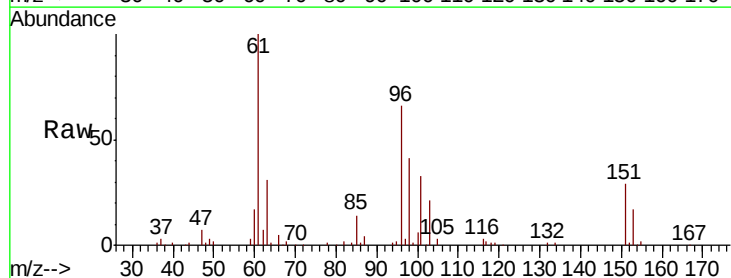
Tgt Ion: 96 Resp: 118691

Ion Ratio Lower Upper

96 100

61 152.3 121.8 182.8

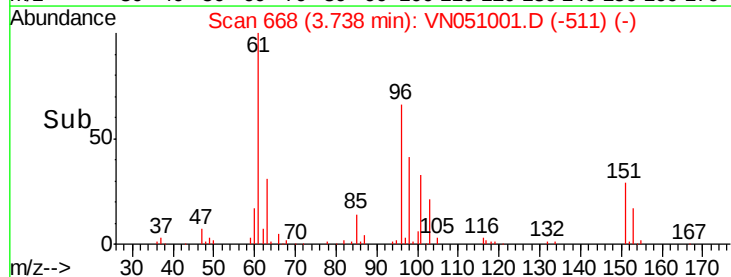
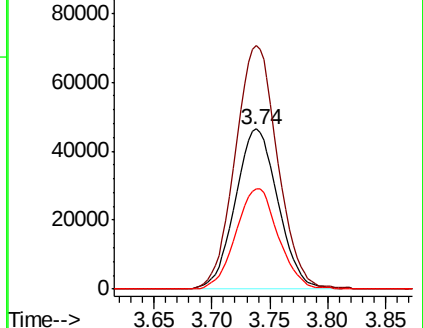
98 62.4 52.3 78.5

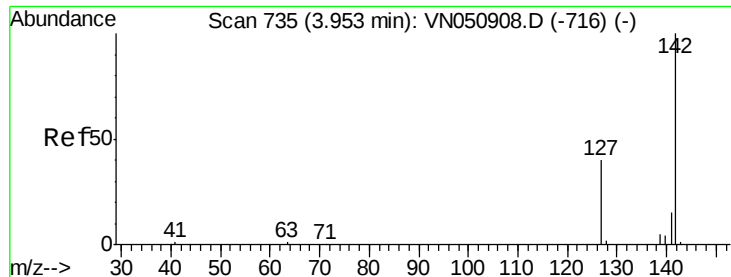


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

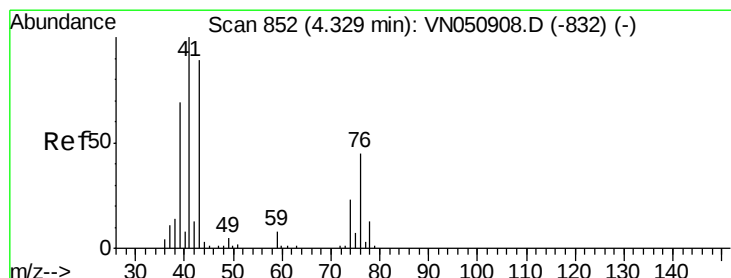
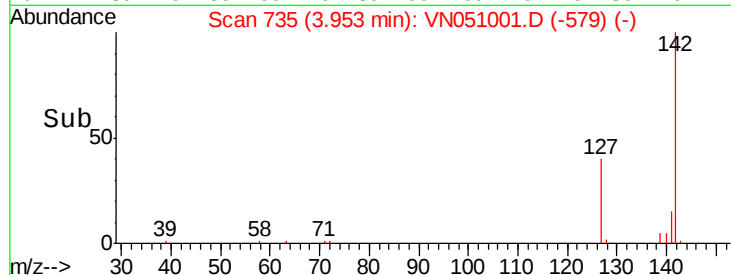
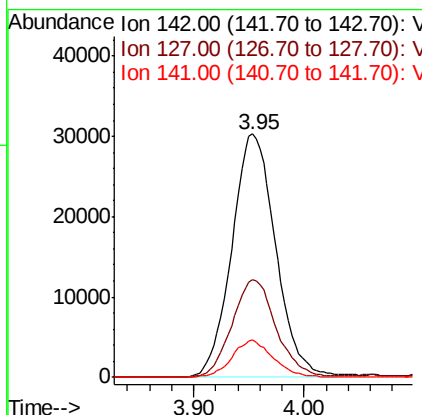
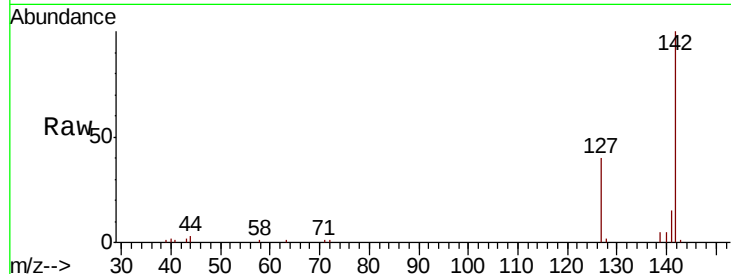




#11
Methvl Iodide
Concen: 14.44 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

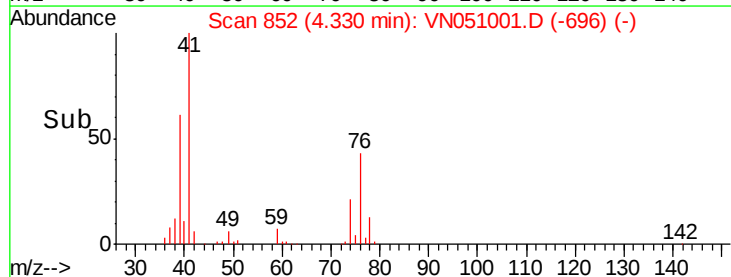
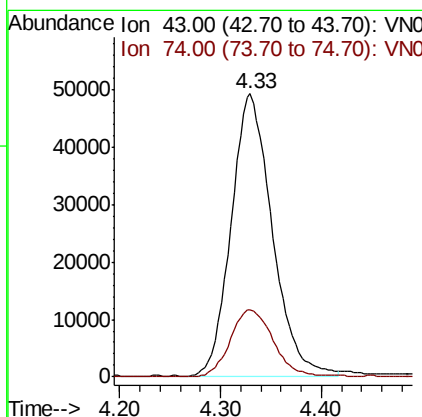
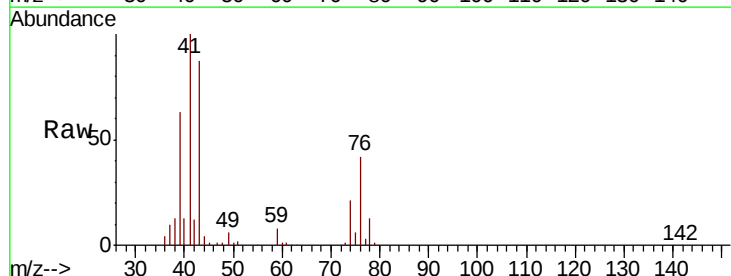
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

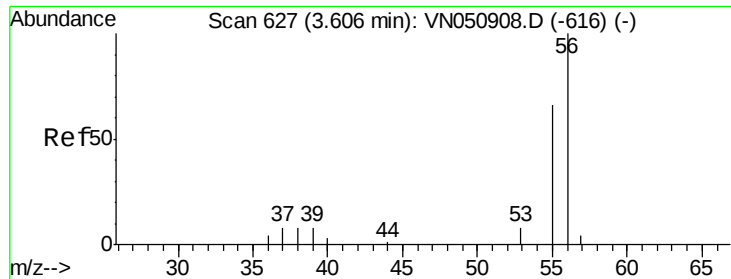
Tot Ion:142 Resp: 83363
Ion Ratio Lower Upper
142 100
127 40.0 19.7 59.1
141 15.3 7.3 22.0



#12
Methyl Acetate
Concen: 19.59 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 43 Resp: 140200
Ion Ratio Lower Upper
43 100
74 23.8 20.6 31.0





#13

Acrolein

Concen: 49.65 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

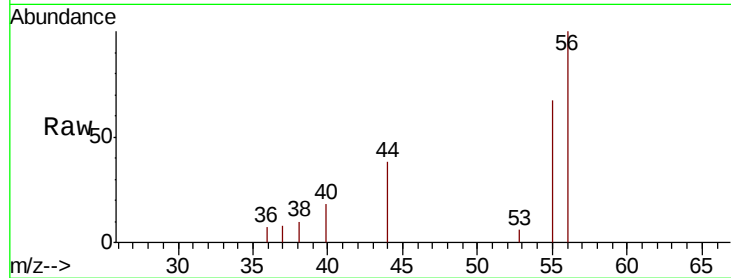
VN0831WBSD02

Tot Ion: 56 Resp: 7866

Ion Ratio Lower Upper

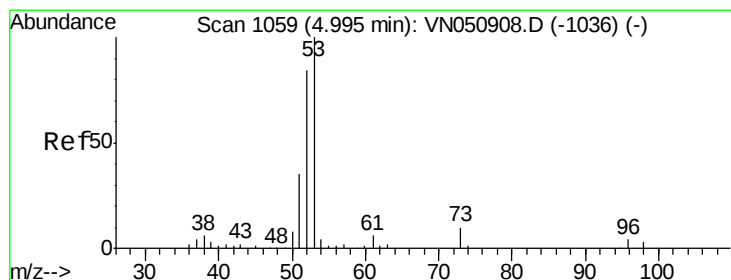
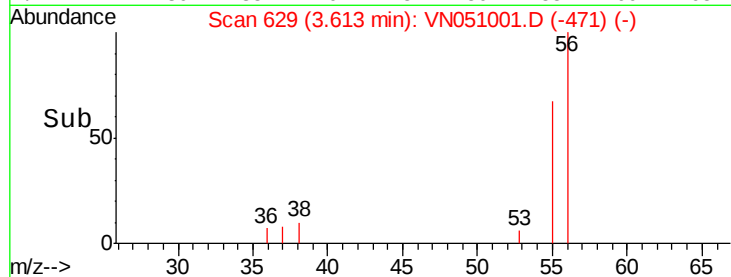
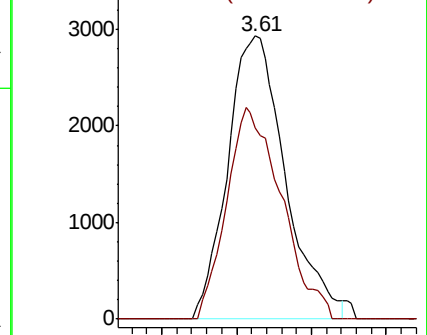
56 100

55 69.4 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 84.87 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

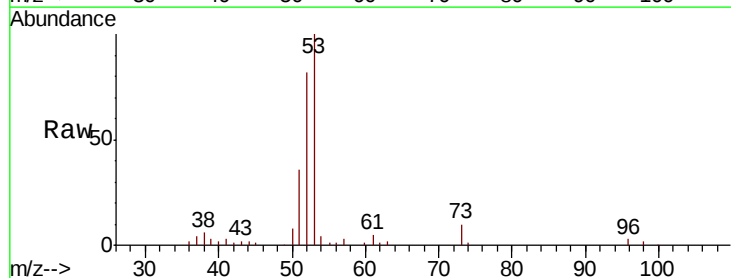
Tgt Ion: 53 Resp: 205307

Ion Ratio Lower Upper

53 100

52 81.3 42.2 126.6

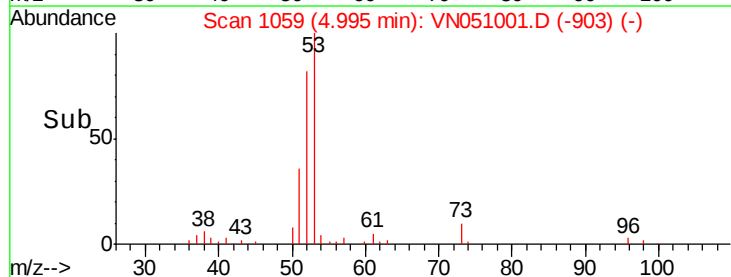
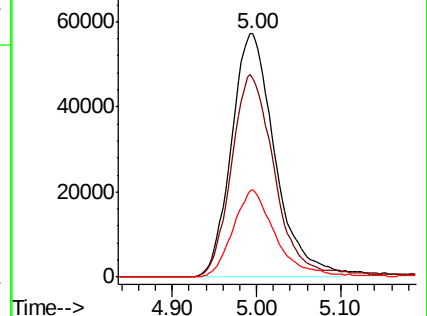
51 34.9 17.7 53.1

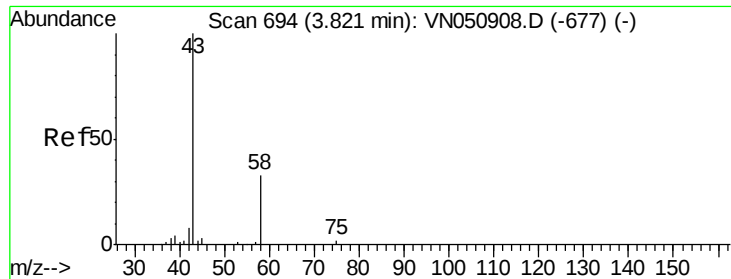


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 81.14 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

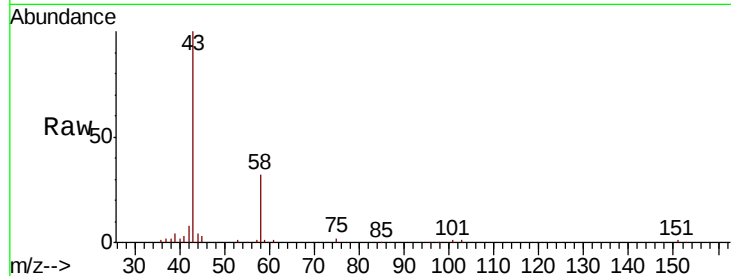
VN0831WBSD02

Tot Ion: 58 Resp: 50226

Ion Ratio Lower Upper

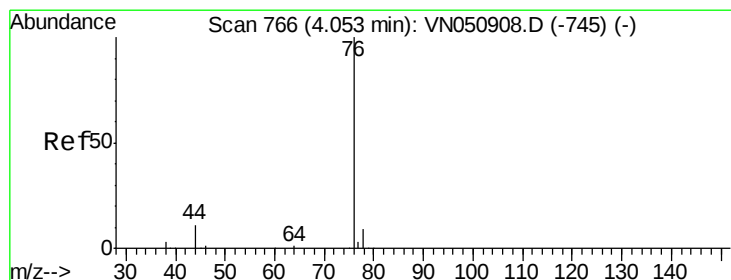
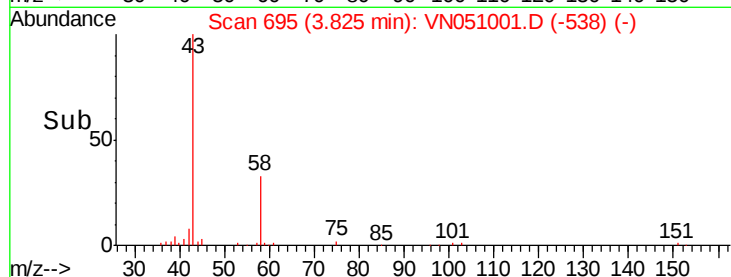
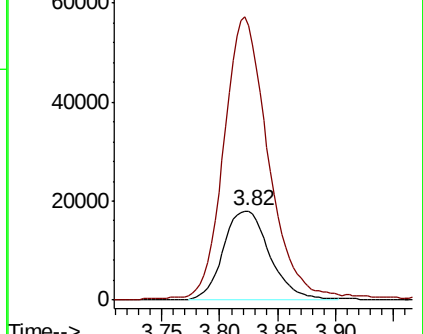
58 100

43 303.1 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN050908.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-677) (-)



#16

Carbon Disulfide

Concen: 18.49 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN051001.D

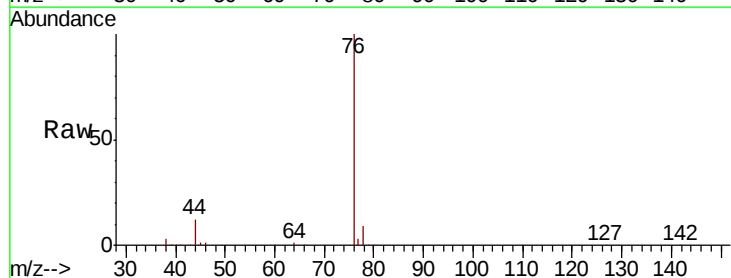
Acq: 31 Aug 2018 20:58

Tgt Ion: 76 Resp: 344083

Ion Ratio Lower Upper

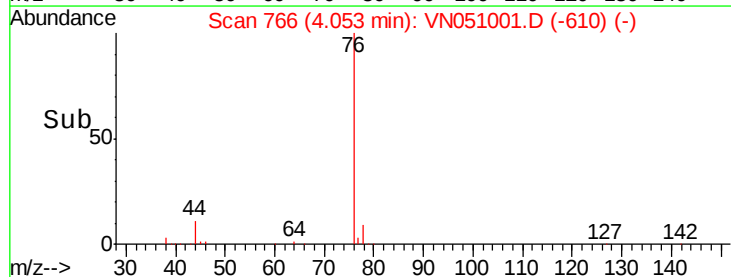
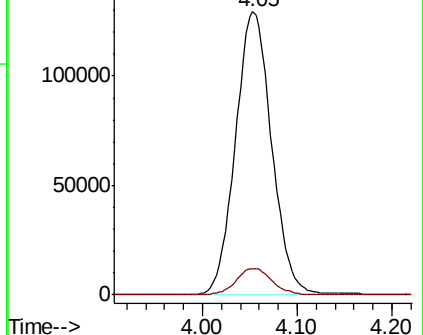
76 100

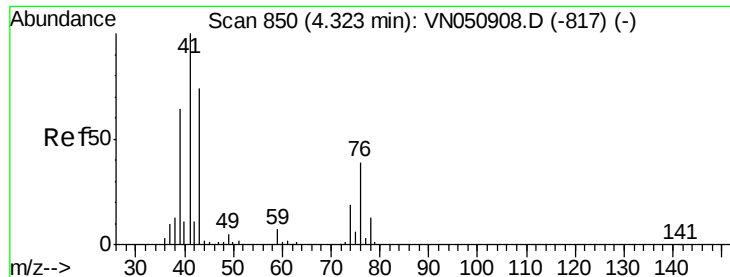
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-745) (-)





#17

Allvl chloride

Concen: 18.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

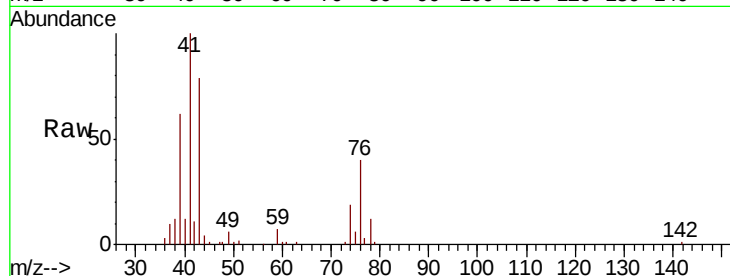
Tot Ion: 41 Resp: 177985

Ion Ratio Lower Upper

41 100

39 62.4 32.2 96.6

76 39.2 19.6 58.7

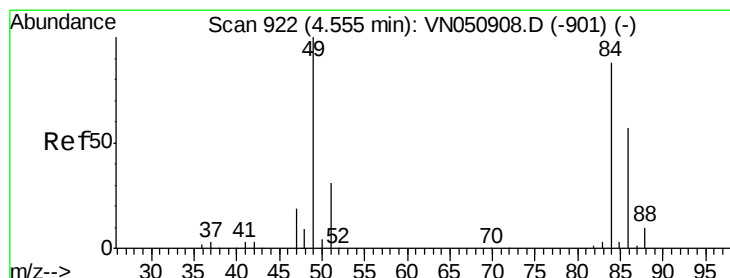
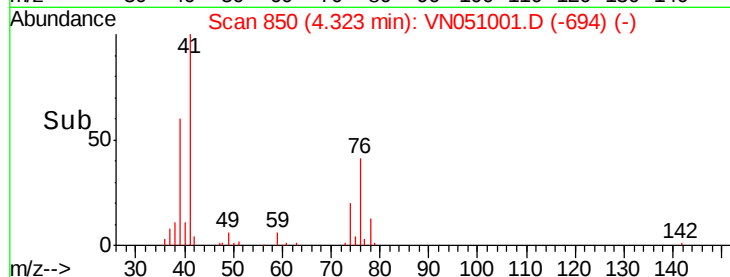
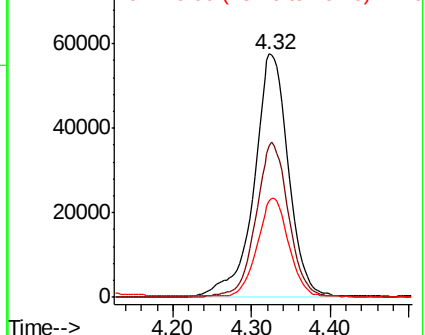


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 19.17 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion: 84 Resp: 139226

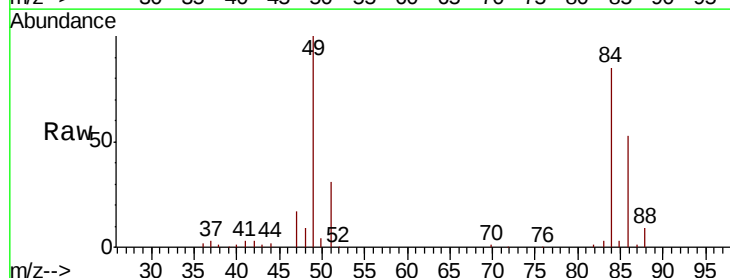
Ion Ratio Lower Upper

84 100

49 117.4 90.6 135.8

51 36.0 28.4 42.6

86 62.4 51.6 77.4



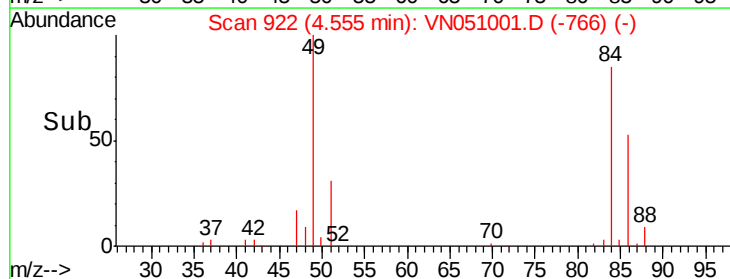
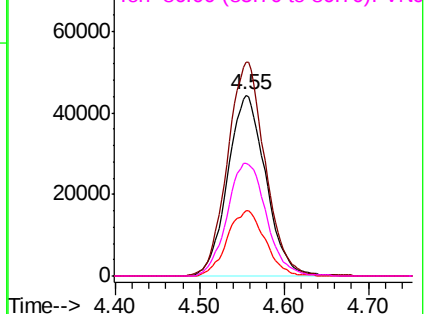
Abundance

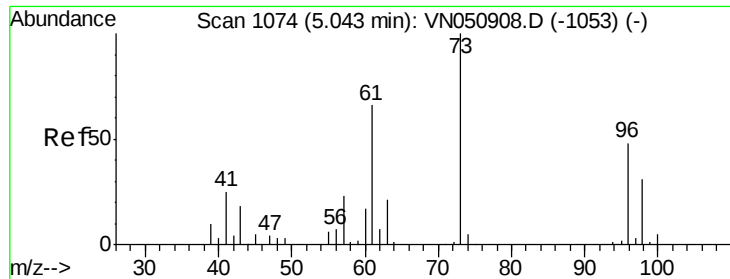
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 18.83 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

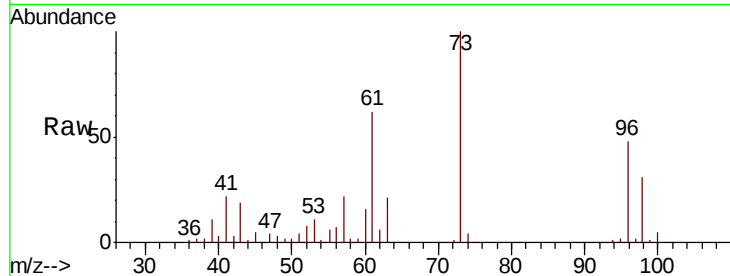
Tot Ion: 96 Resp: 124121

Ion Ratio Lower Upper

96 100

61 128.4 109.5 164.3

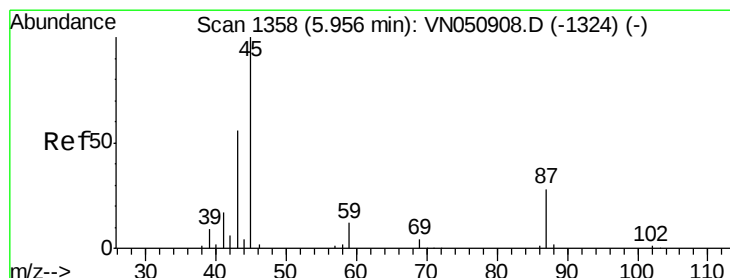
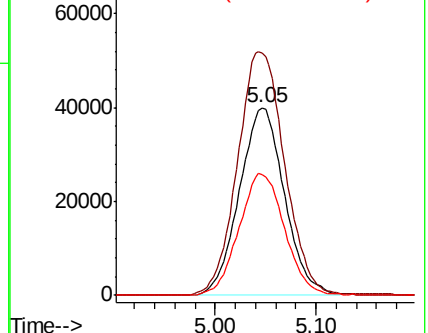
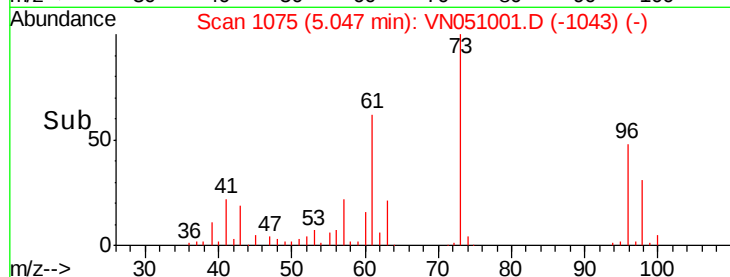
98 64.4 51.9 77.9



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



#20

Diisopropyl ether

Concen: 19.47 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Tgt Ion: 45 Resp: 393575

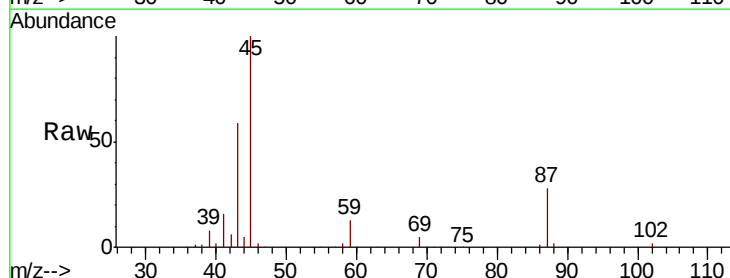
Ion Ratio Lower Upper

45 100

43 57.2 47.0 70.6

87 28.4 22.8 34.2

59 12.5 9.5 14.3

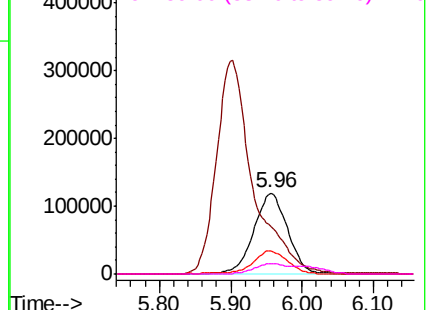
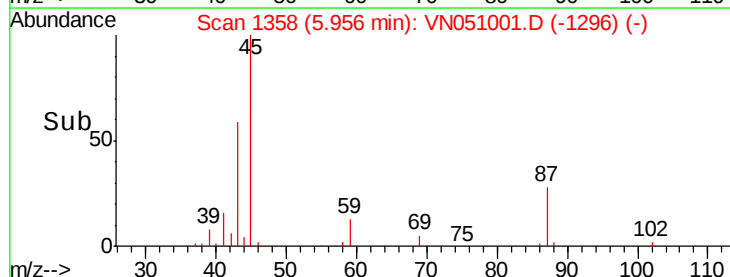


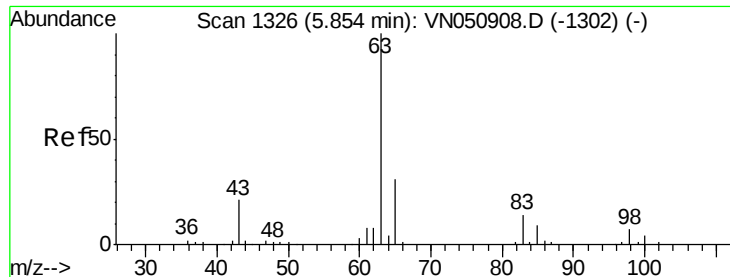
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

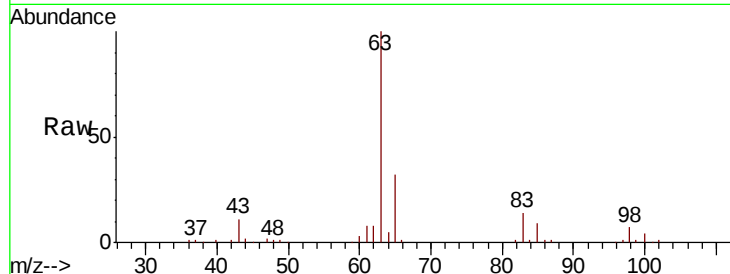




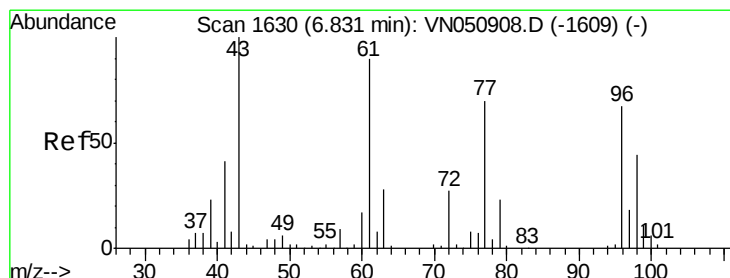
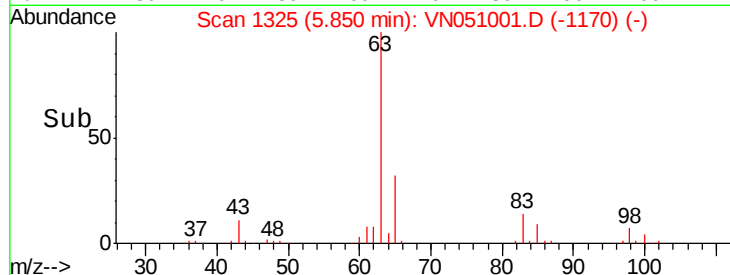
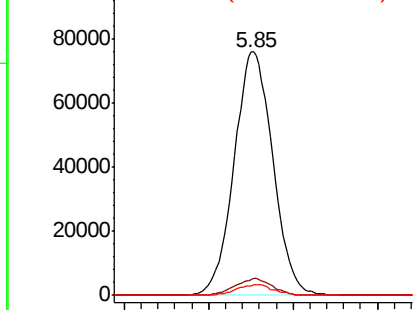
#21
 1,1-Dichloroethane
 Concen: 19.60 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion: 63 Resp: 242812
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.1 2.0 6.0

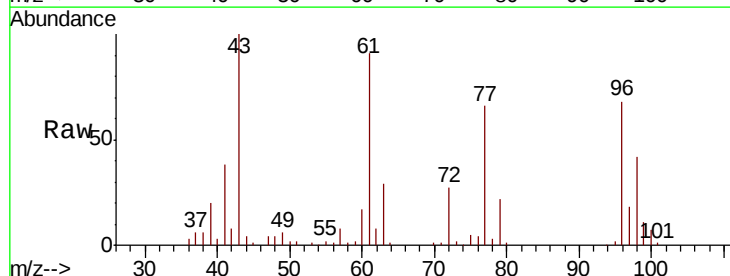


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

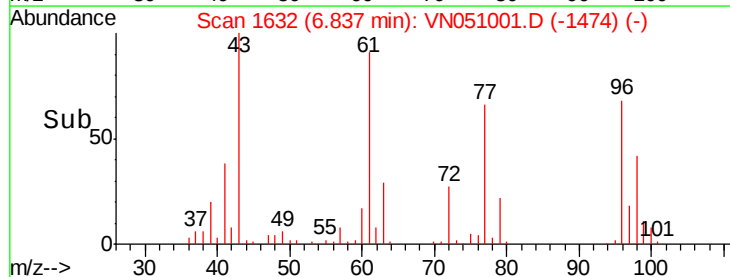
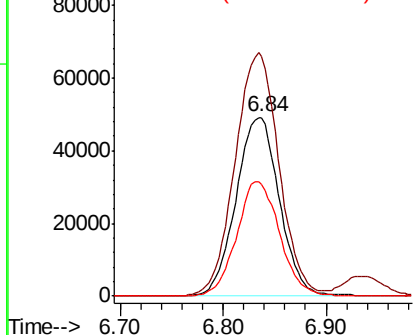


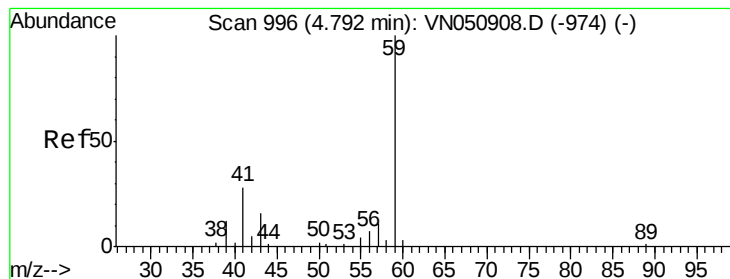
#22
 cis-1,2-Dichloroethene
 Concen: 19.30 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 96 Resp: 143759
 Ion Ratio Lower Upper
 96 100
 61 138.0 110.0 165.0
 98 63.7 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: 39.83 ug/l

RT: 4.79 min Scan# 994

Delta R.T. -0.01 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

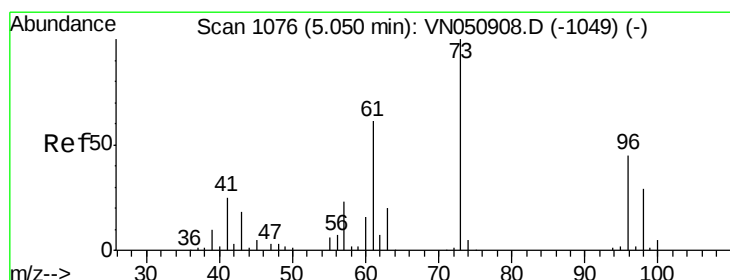
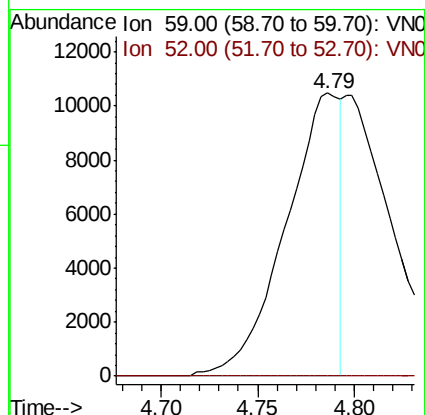
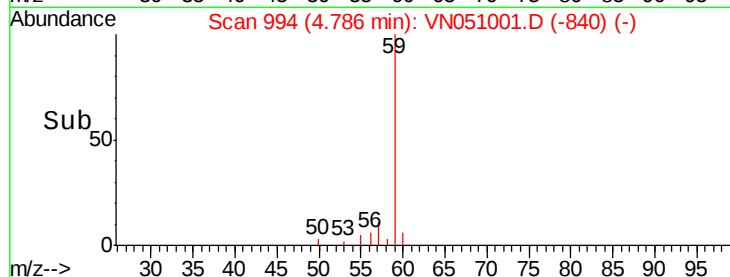
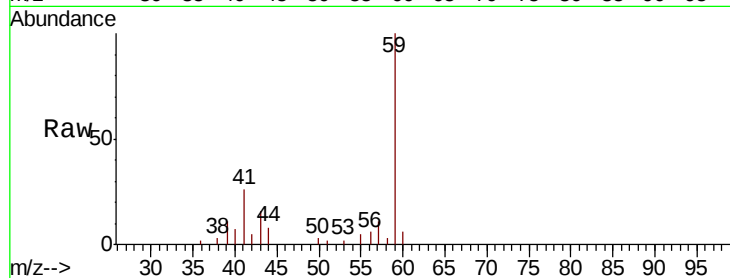
VN0831WBSD02

Tot Ion: 59 Resp: 20493

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 18.19 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN051001.D

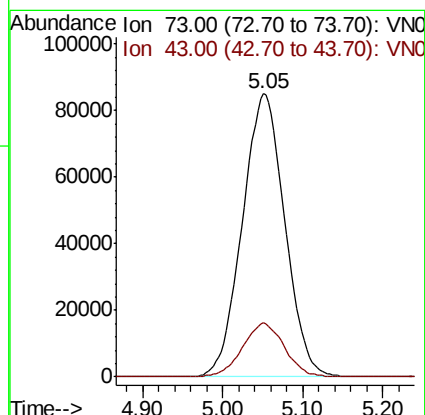
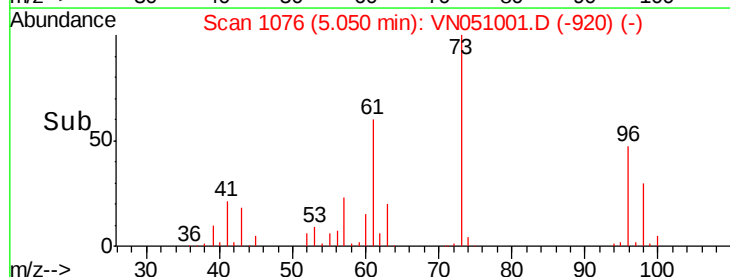
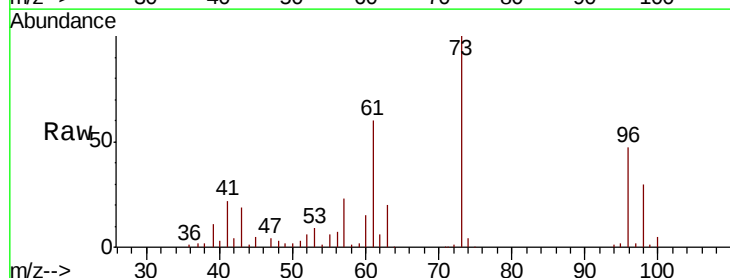
Acq: 31 Aug 2018 20:58

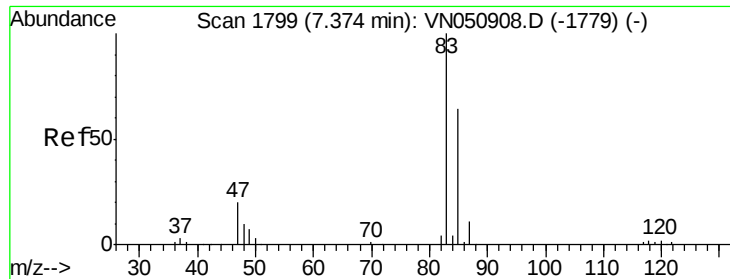
Tgt Ion: 73 Resp: 307765

Ion Ratio Lower Upper

73 100

43 18.8 14.4 21.6

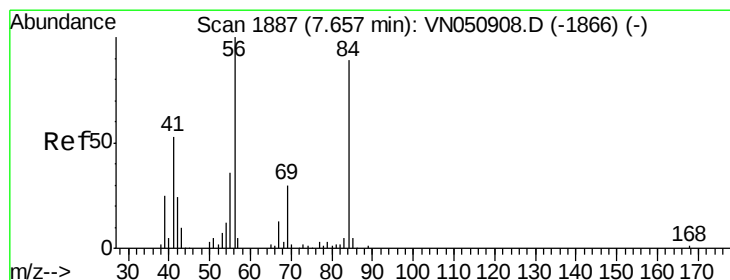
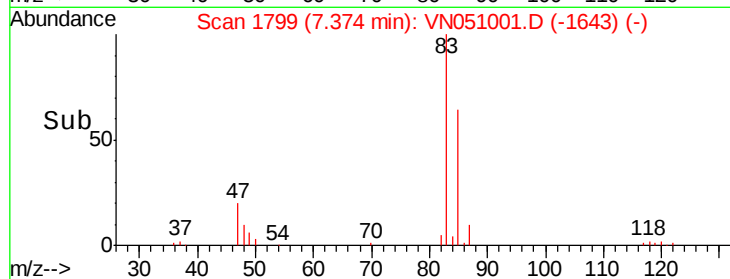
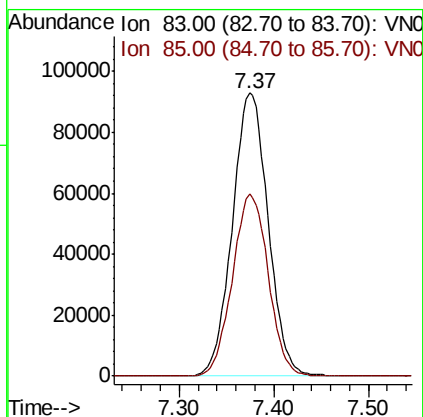
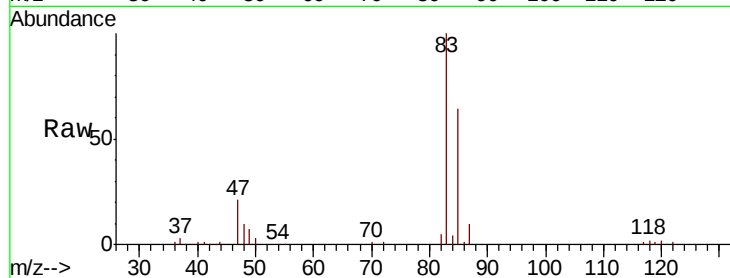




#25
Chloroform
Concen: 19.75 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

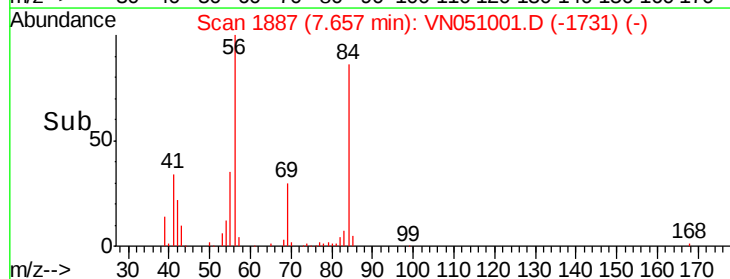
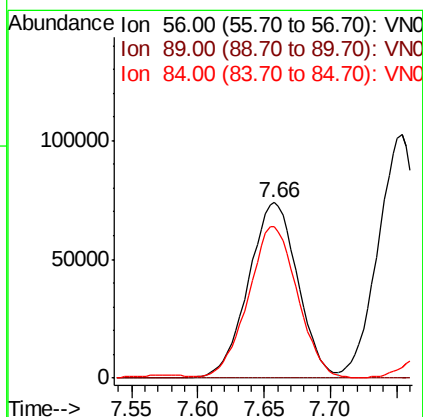
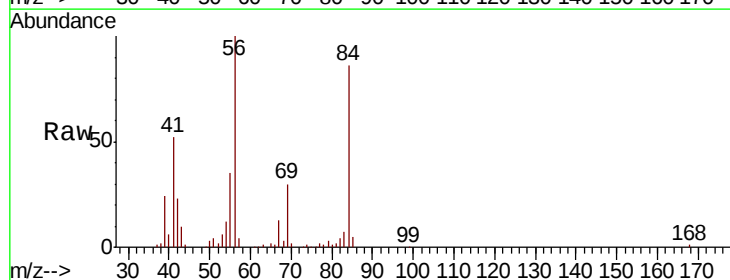
Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD02

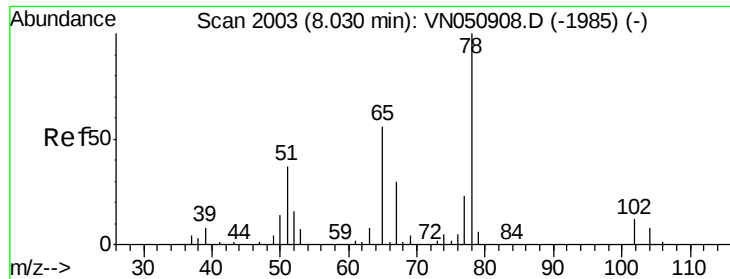
Tot Ion: 83 Resp: 244191
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0



#26
Cyclohexane
Concen: 18.69 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 56 Resp: 191909
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 85.5 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.97 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleID :

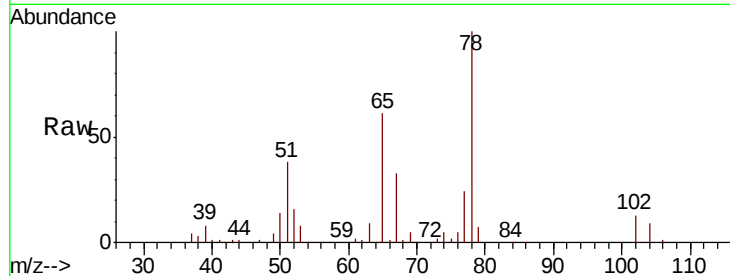
VN0831WBSD02

Tot Ion: 65 Resp: 219012

Ion Ratio Lower Upper

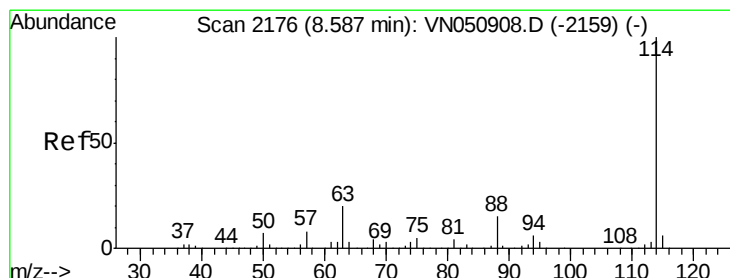
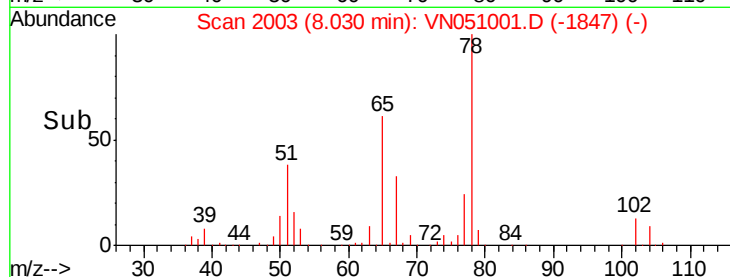
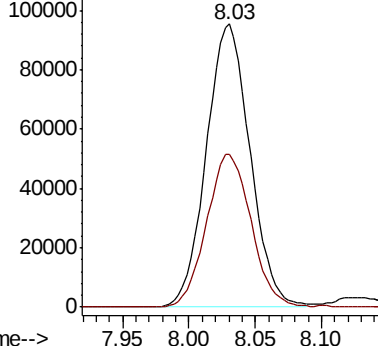
65 100

67 55.0 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

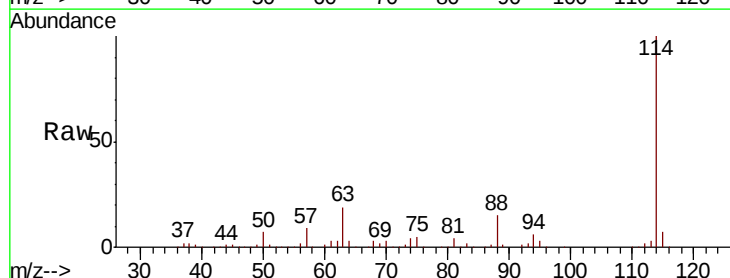
Tgt Ion:114 Resp: 627353

Ion Ratio Lower Upper

114 100

63 19.3 15.6 23.4

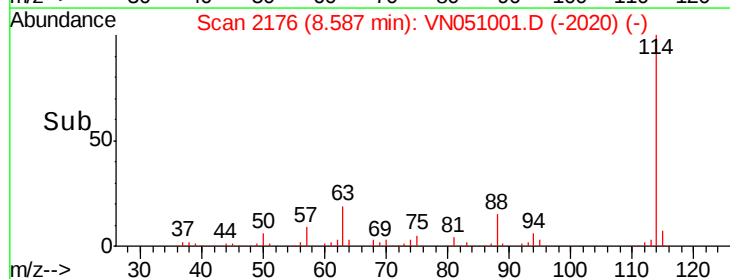
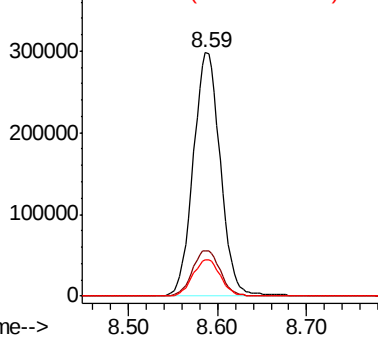
88 15.3 12.2 18.4

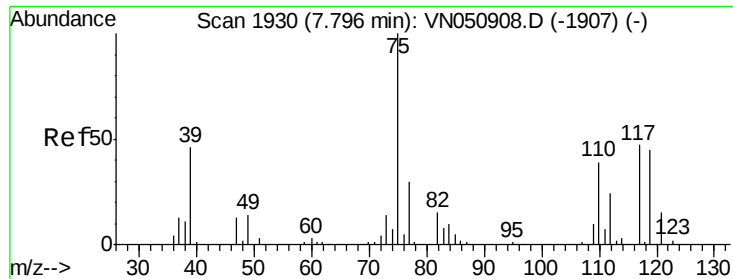


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

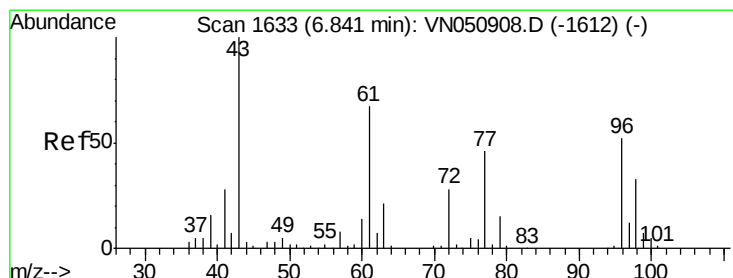
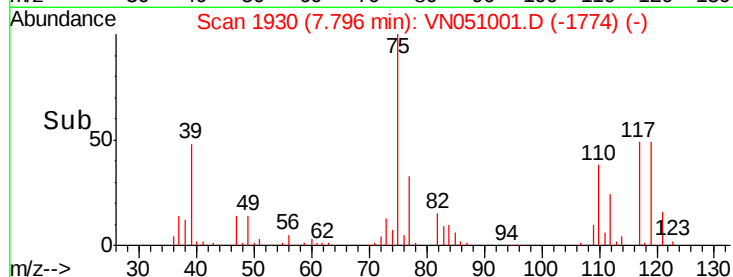
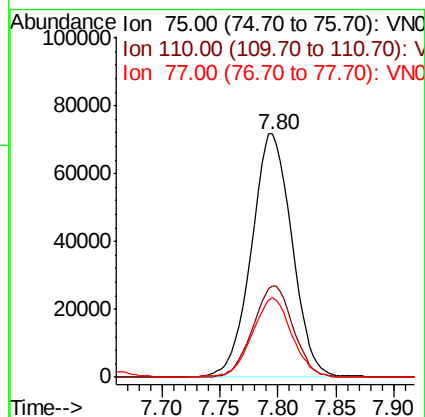
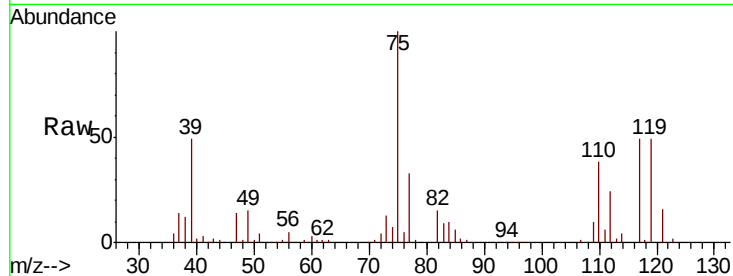




#29
 1,1-Dichloropropene
 Concen: 18.66 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

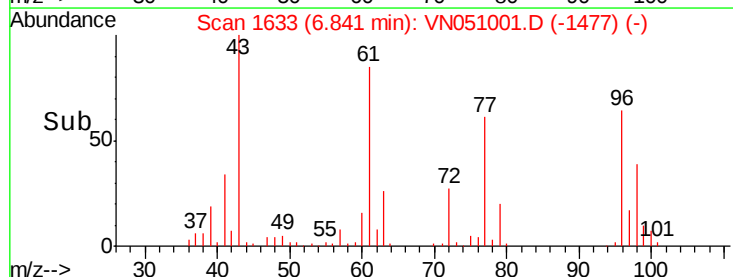
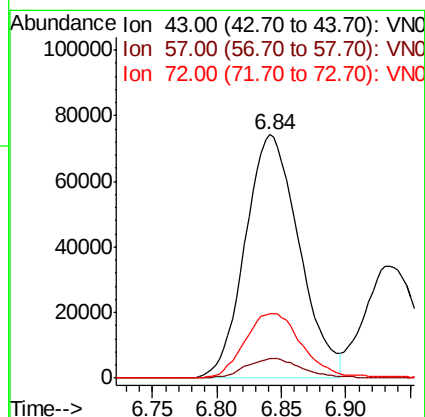
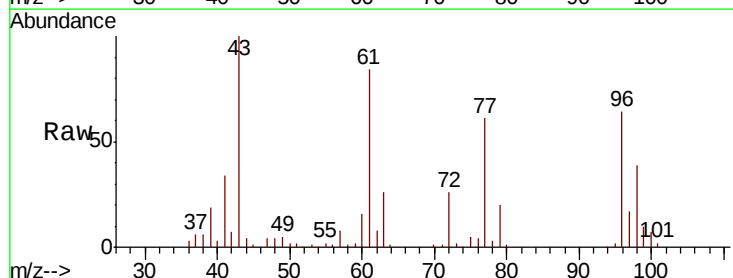
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

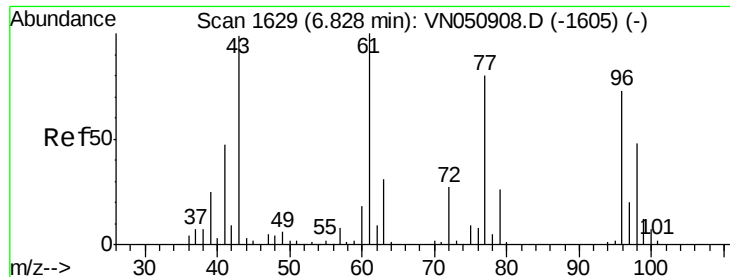
Tot Ion: 75 Resp: 175291
 Ion Ratio Lower Upper
 75 100
 110 37.3 0.0 75.0
 77 32.2 0.0 60.6



#30
 2-Butanone
 Concen: 74.50 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 43 Resp: 215261
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.9 10.3
 72 28.4 22.8 34.2

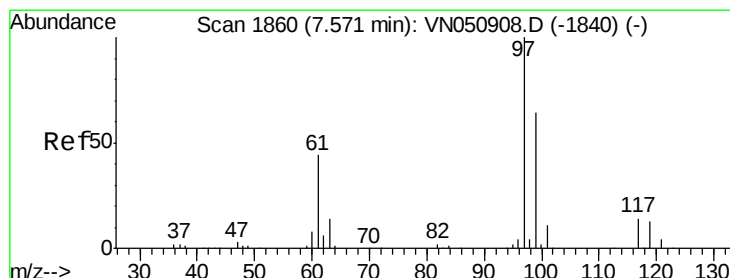
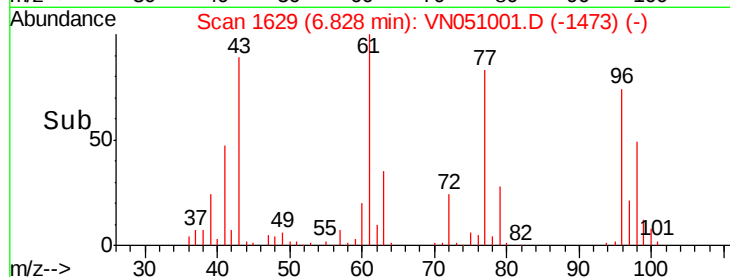
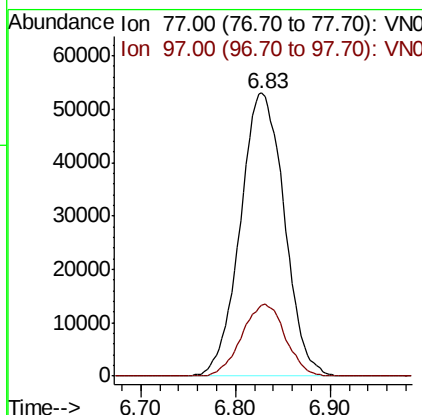
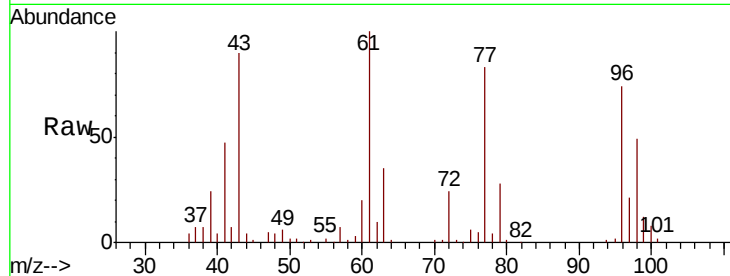




#31
 2,2-Dichloropropane
 Concen: 18.73 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

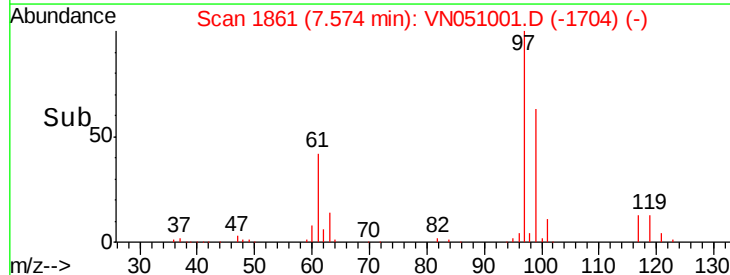
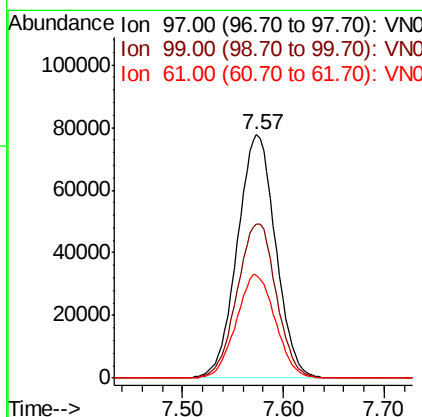
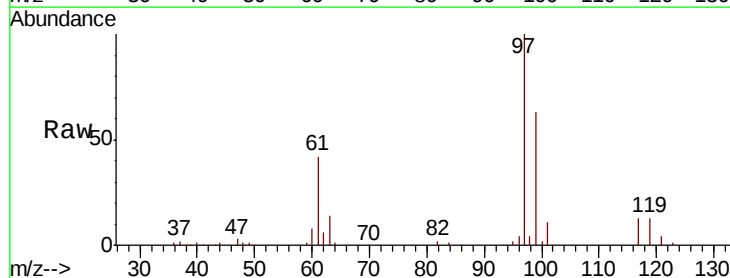
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

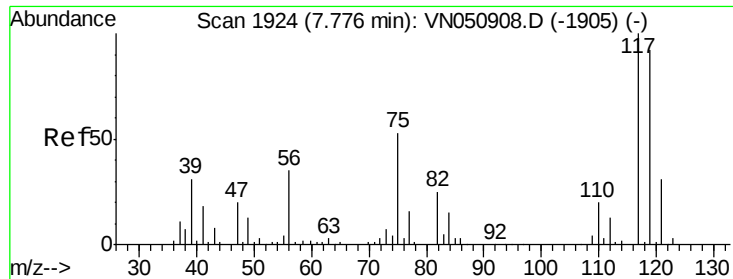
Tot Ion: 77 Resp: 171131
 Ion Ratio Lower Upper
 77 100
 97 25.1 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 19.17 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 97 Resp: 204150
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.0 78.0
 61 43.3 35.0 52.6

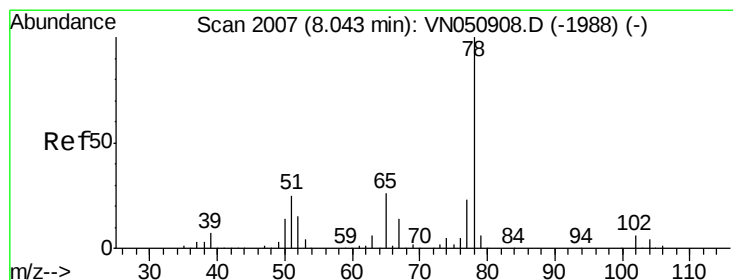
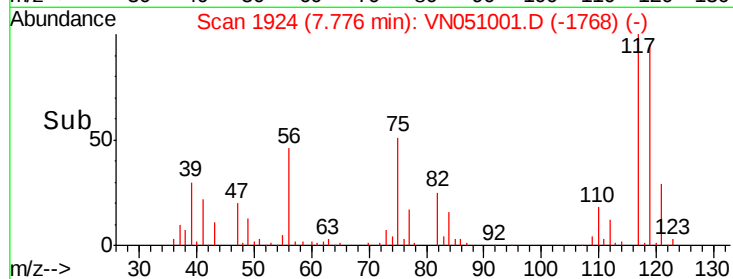
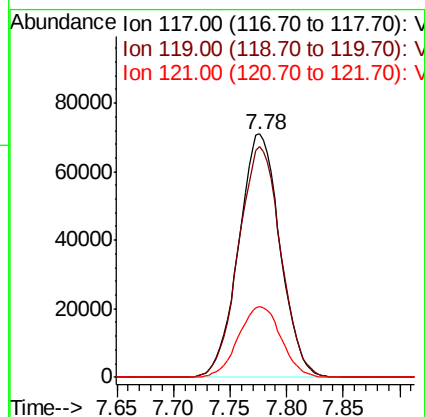
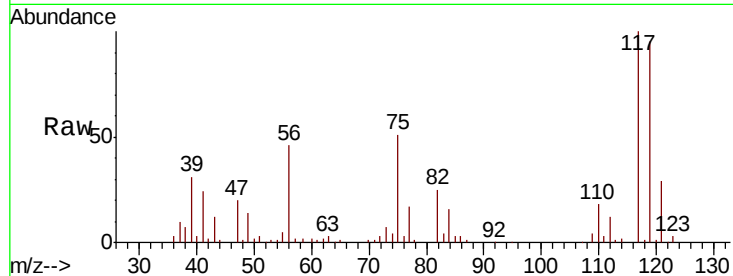




#33
Carbon Tetrachloride
Concen: 18.82 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

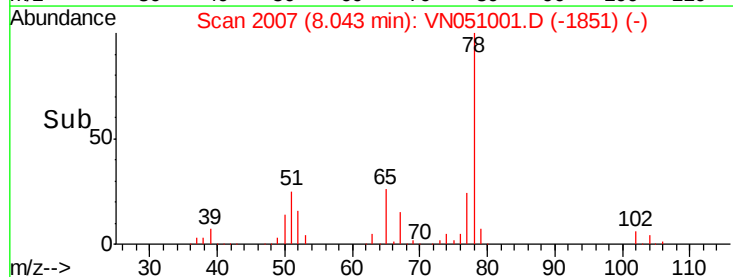
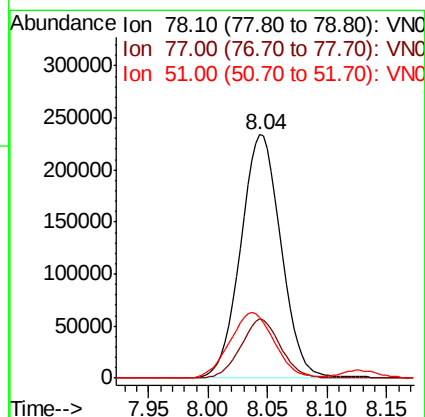
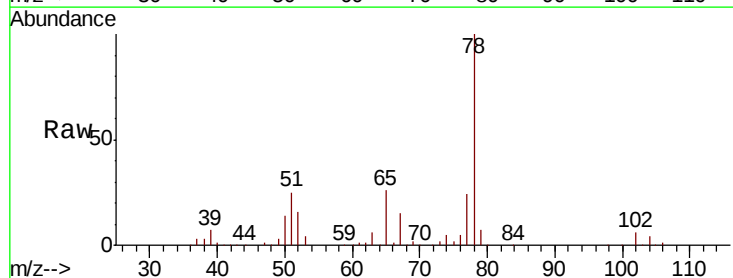
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

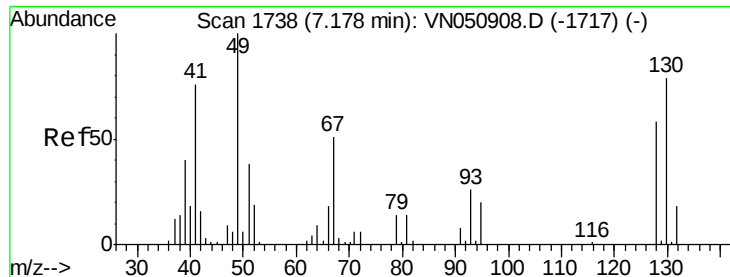
Tot Ion:117 Resp: 180461
Ion Ratio Lower Upper
117 100
119 94.6 73.5 110.3
121 28.8 24.6 37.0



#34
Benzene
Concen: 18.89 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 78 Resp: 548731
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0
51 24.7 20.0 30.0

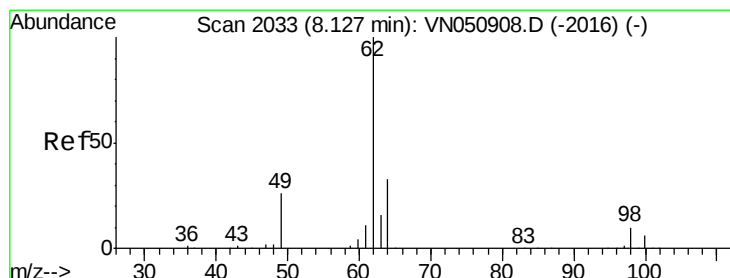
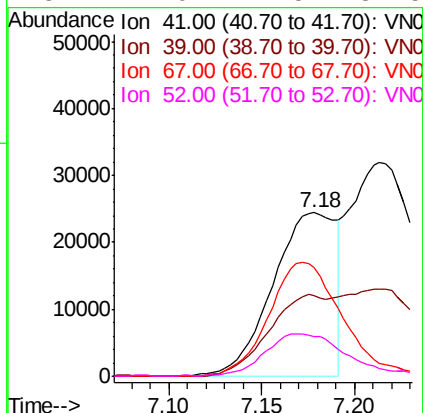
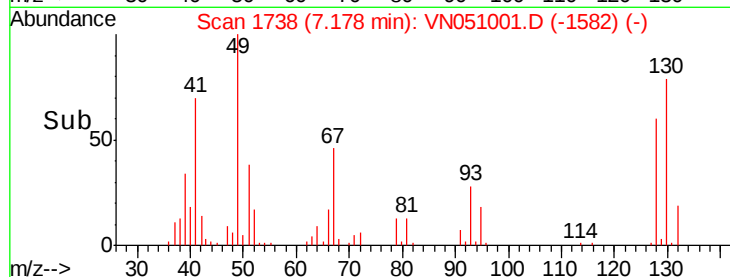
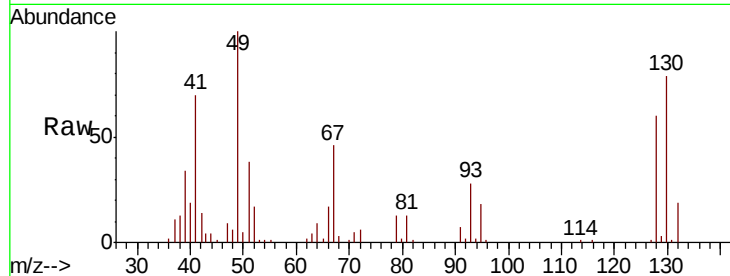




#35
Methacrylonitrile
Concen: 18.38 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

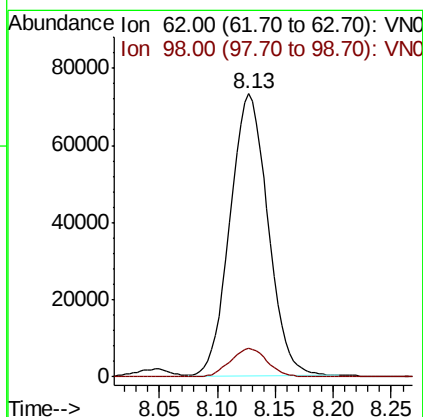
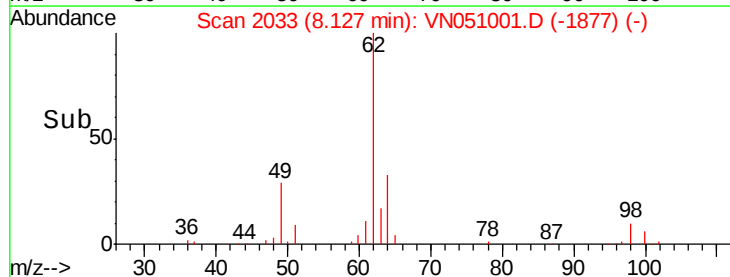
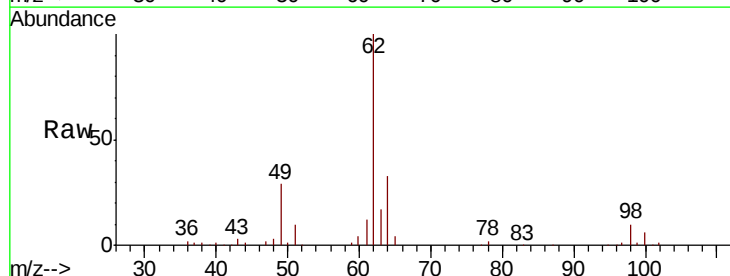
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

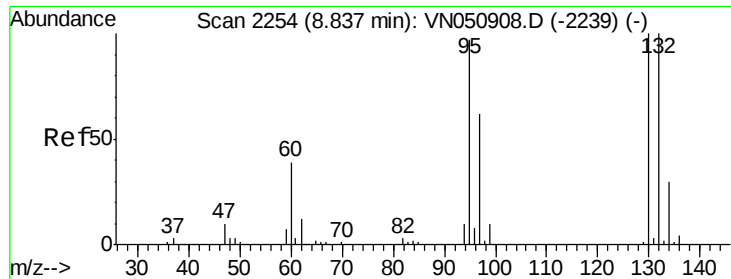
Tot Ion: 41 Resp: 58179
Ion Ratio Lower Upper
41 100
39 49.1 26.2 78.5
67 66.4 33.9 101.6
52 24.0 12.5 37.5



#36
1,2-Dichloroethane
Concen: 18.87 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 62 Resp: 165814
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0

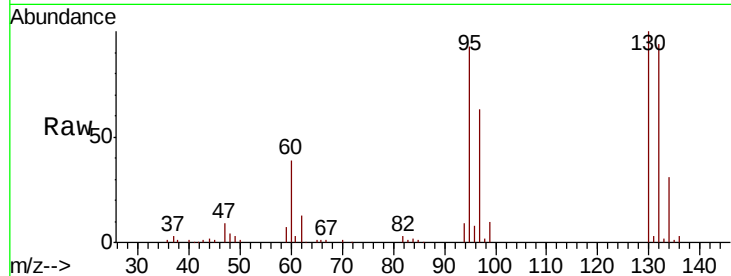




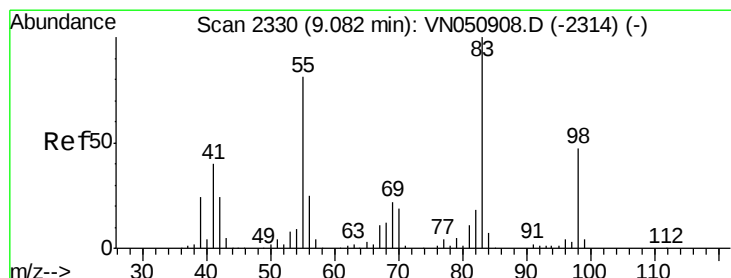
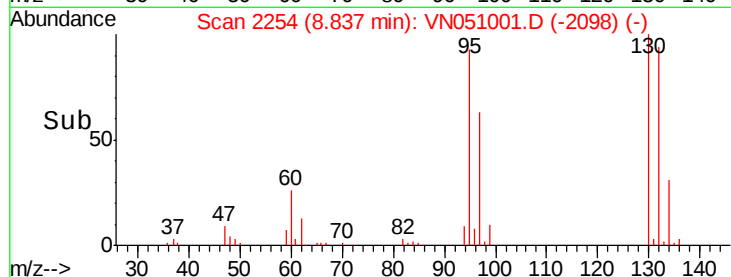
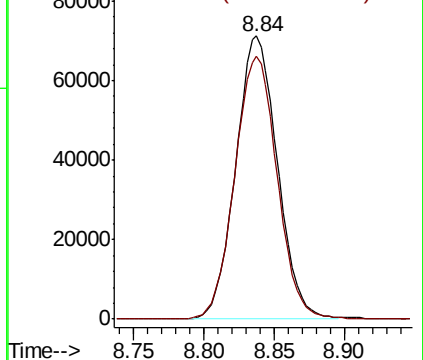
#37
 Trichloroethene
 Concen: 19.42 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion:130 Resp: 147475
 Ion Ratio Lower Upper
 130 100
 95 92.9 77.4 116.0

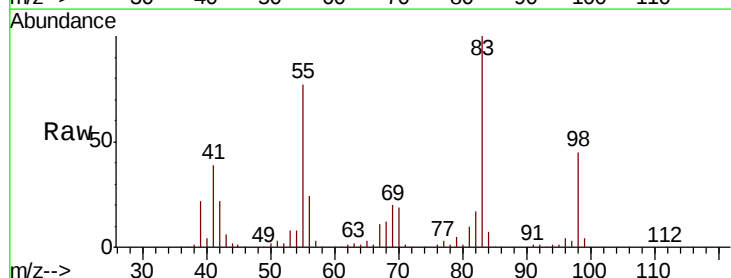


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

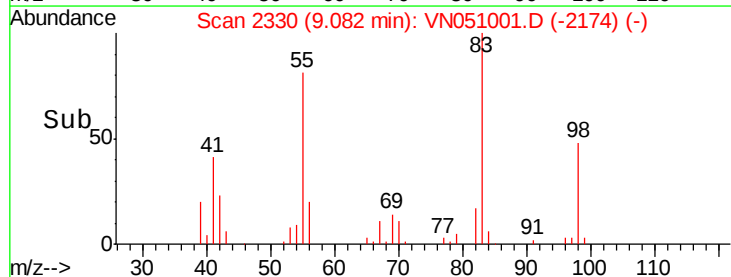
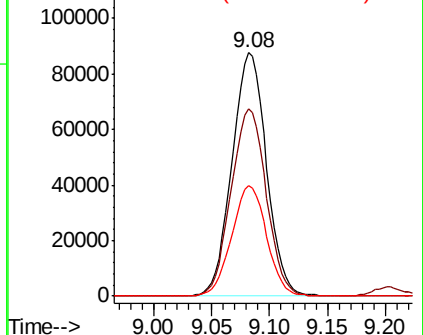


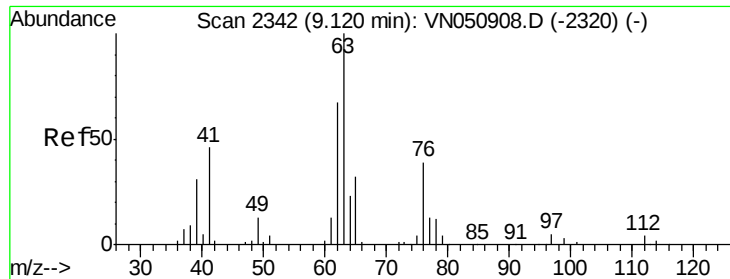
#38
 Methylcyclohexane
 Concen: 17.89 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 83 Resp: 180457
 Ion Ratio Lower Upper
 83 100
 55 78.5 38.9 116.7
 98 46.0 22.9 68.7



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

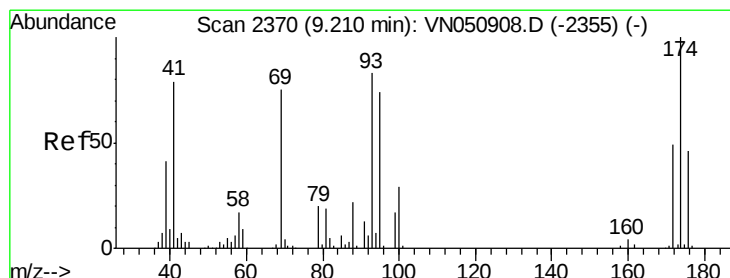
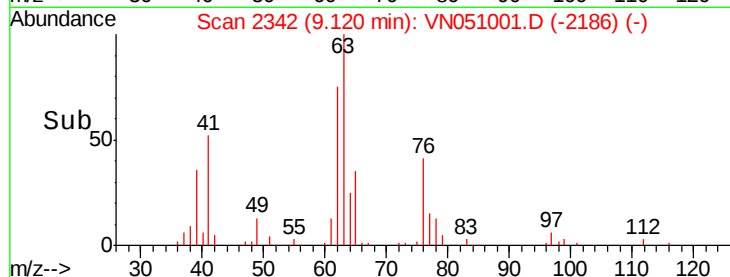
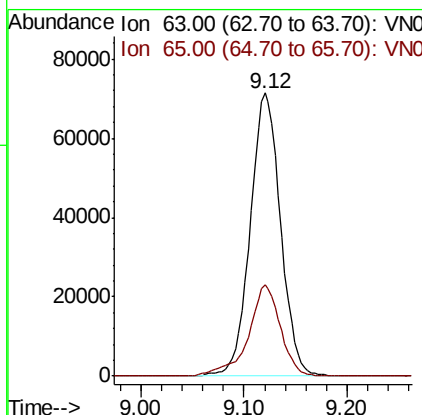
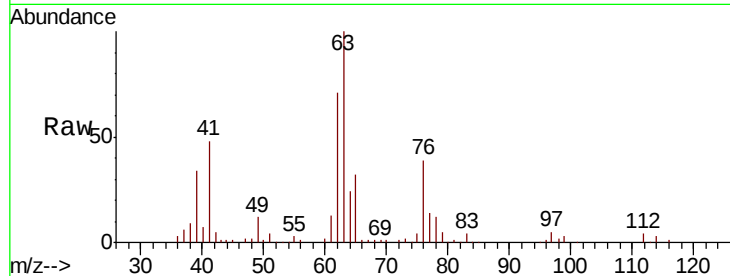




#39
 1,2-Dichloropropane
 Concen: 19.21 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

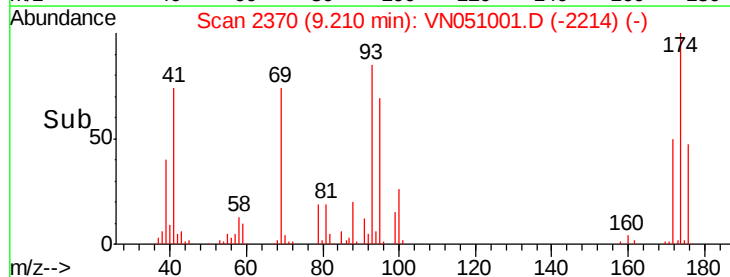
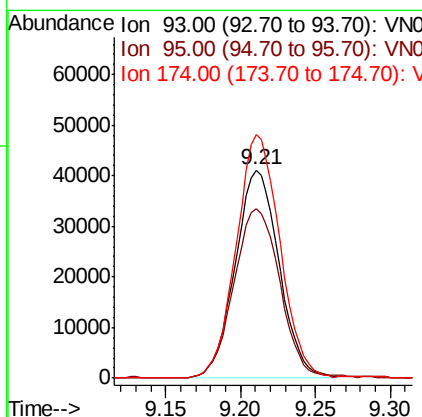
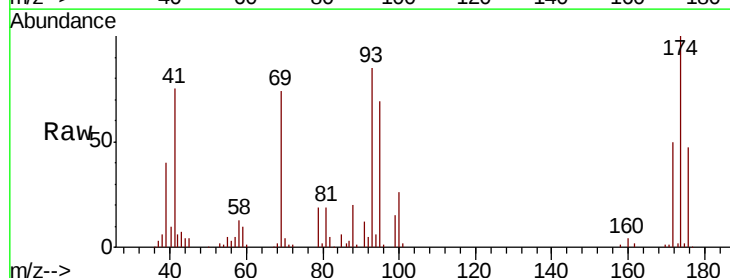
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

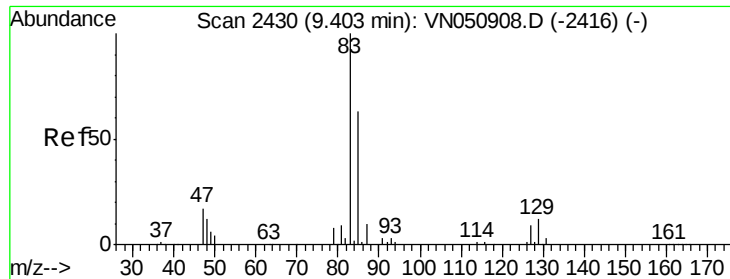
Tot Ion: 63 Resp: 145776
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.6 38.4



#40
 Dibromomethane
 Concen: 18.40 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 93 Resp: 84117
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 173.4
 174 116.3 0.0 234.8





#41

Bromodichloromethane

Concen: 18.84 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

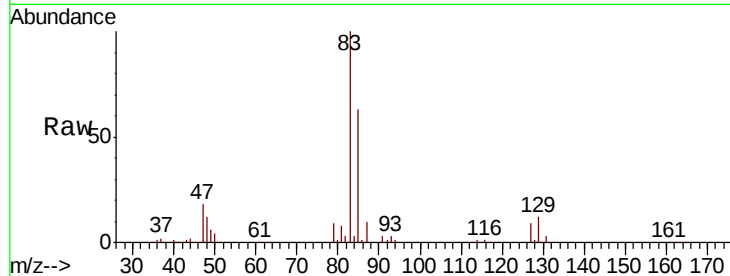
Tot Ion: 83 Resp: 181588

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0

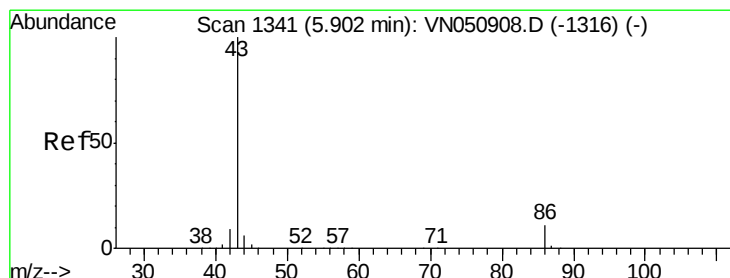
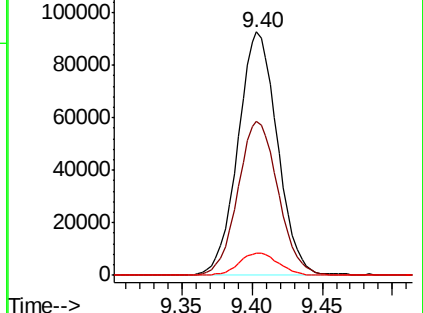
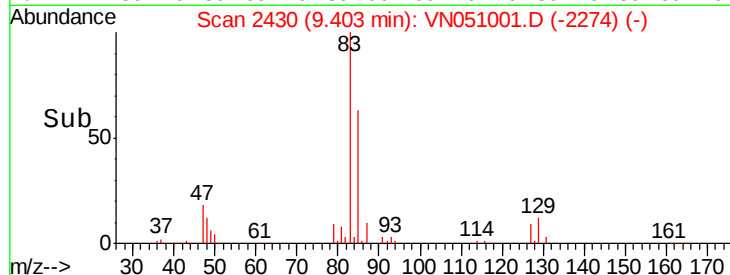
127 9.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051001.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN051001.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN051001.D (-2274) (-)



#42

Vinyl Acetate

Concen: 84.72 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN051001.D

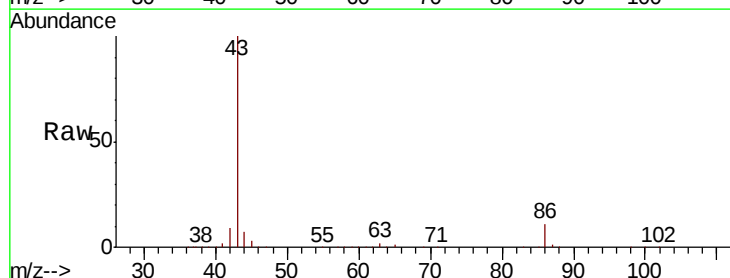
Acq: 31 Aug 2018 20:58

Tgt Ion: 43 Resp: 1127536

Ion Ratio Lower Upper

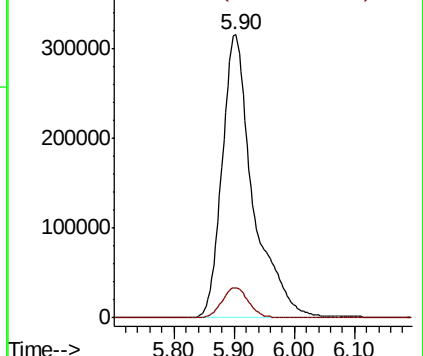
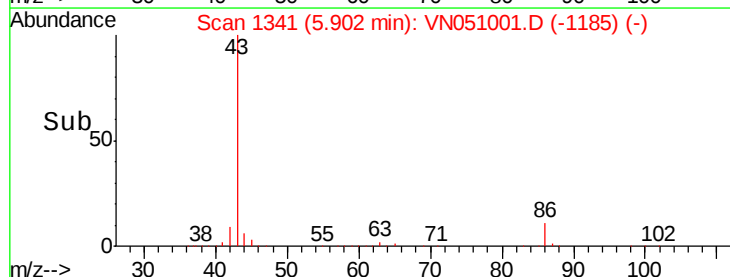
43 100

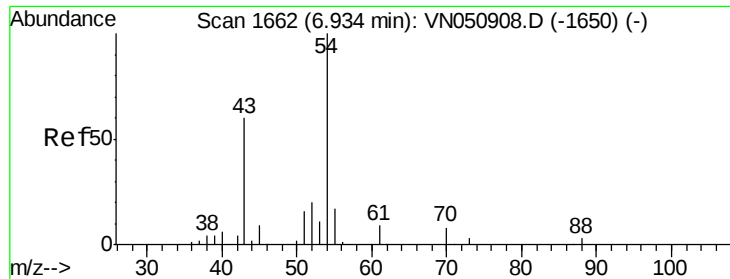
86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051001.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN051001.D (-1185) (-)

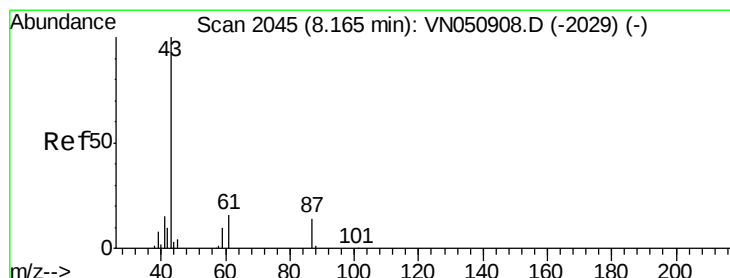
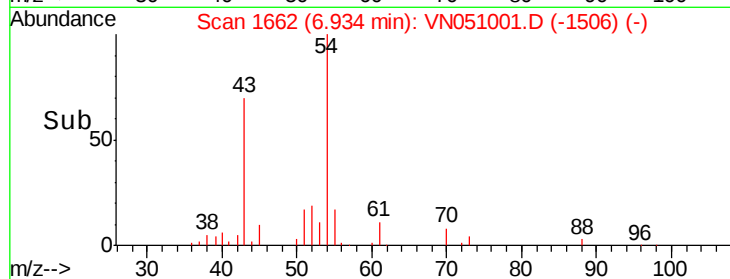
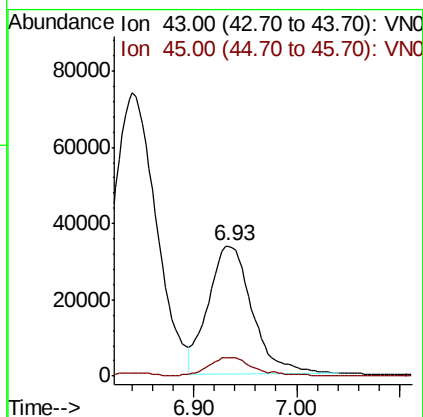
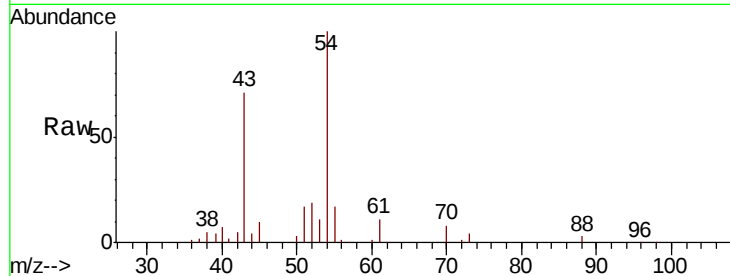




#43
Ethyl Acetate
Concen: 16.87 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

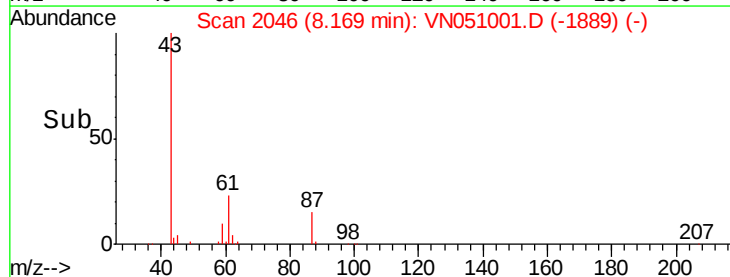
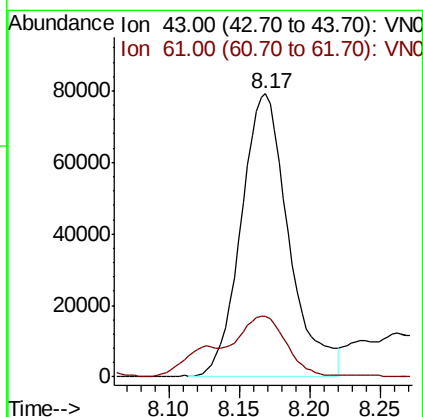
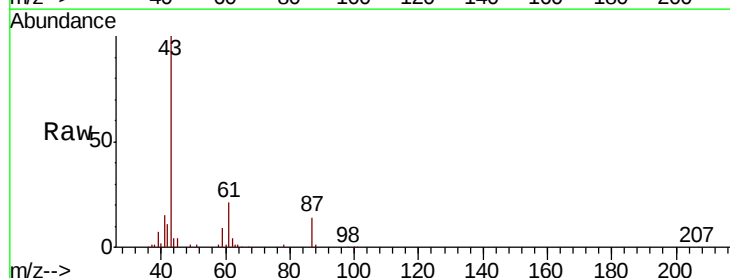
Instrument :
MSVOA_N
ClientSampleID :
VN0831WBSD02

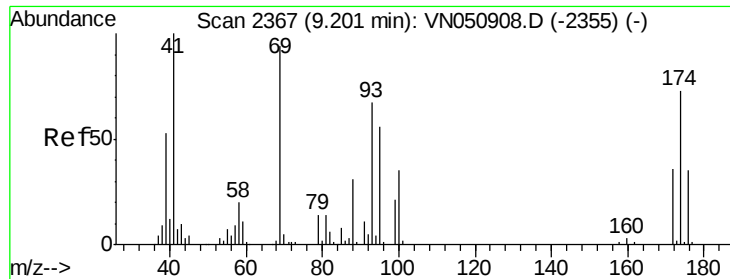
Tot Ion: 43 Resp: 99839
Ion Ratio Lower Upper
43 100
45 13.9 10.2 15.2



#44
Isopropyl Acetate
Concen: 17.83 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 43 Resp: 186265
Ion Ratio Lower Upper
43 100
61 20.0 16.3 24.5

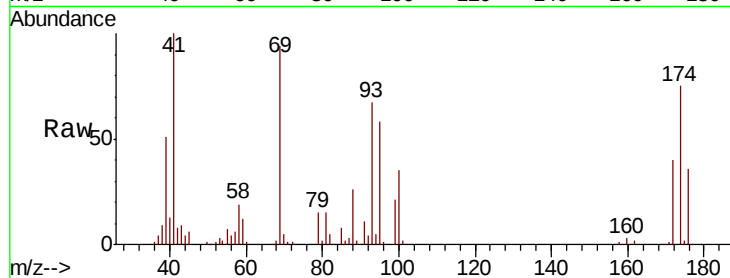




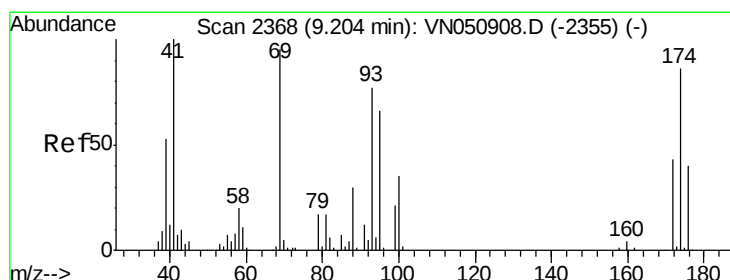
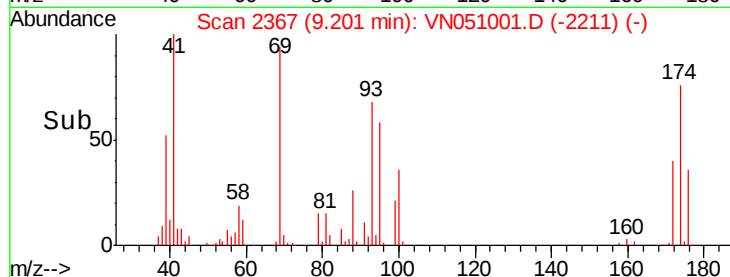
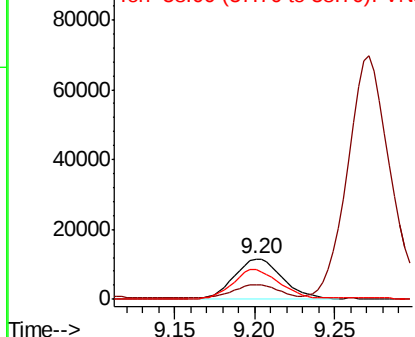
#45
 1,4-Dioxane
 Concen: 310.18 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion: 88 Resp: 24065
 Ion Ratio Lower Upper
 88 100
 43 29.1 23.5 35.3
 58 73.1 55.2 82.8

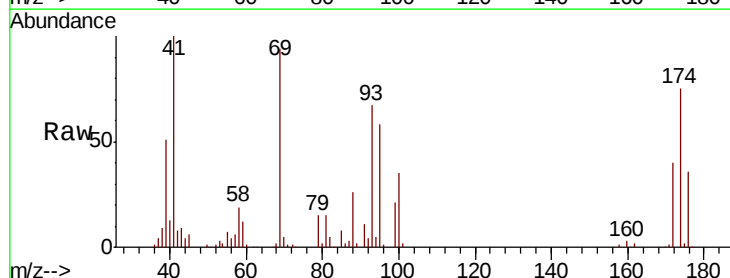


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

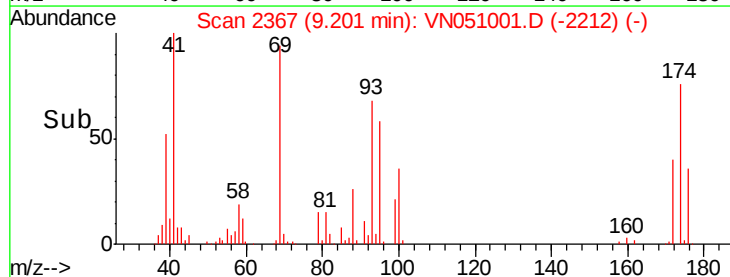
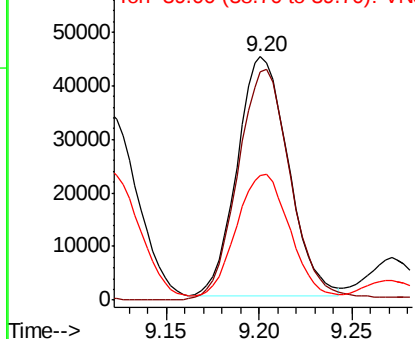


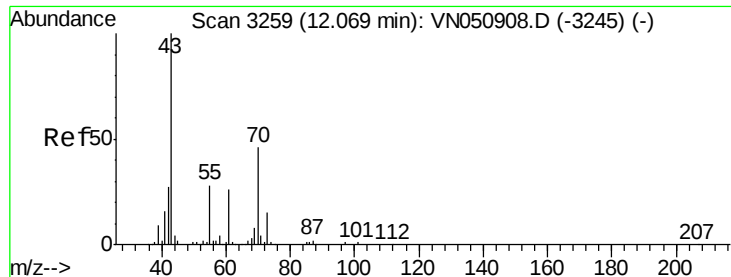
#46
 Methyl methacrylate
 Concen: 16.35 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 41 Resp: 85520
 Ion Ratio Lower Upper
 41 100
 69 94.7 47.4 142.2
 39 50.6 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: 15.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampled :

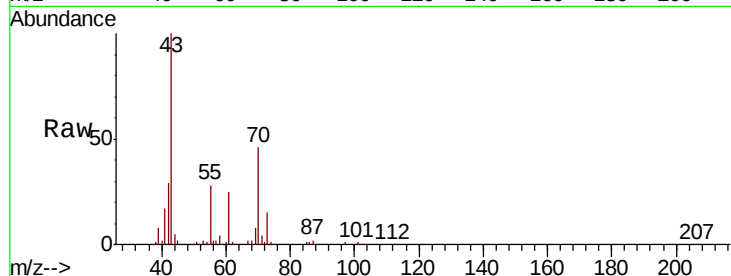
VN0831WBSD02

Tot Ion: 43 Resp: 130878

Ion Ratio Lower Upper

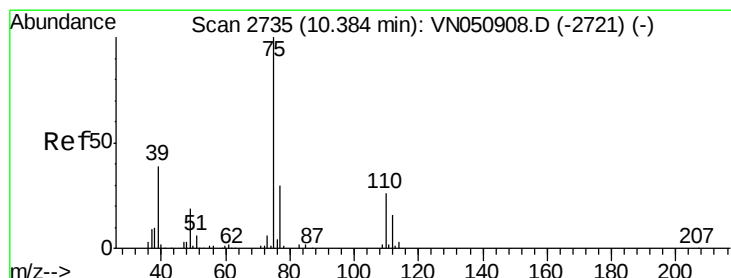
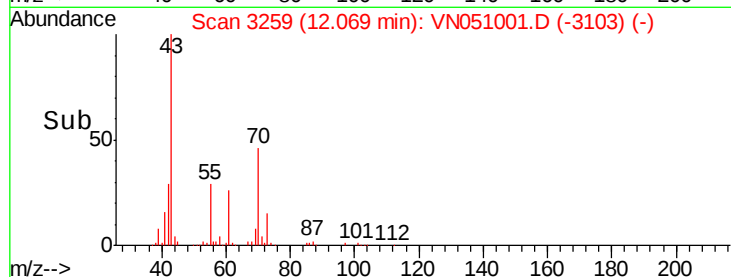
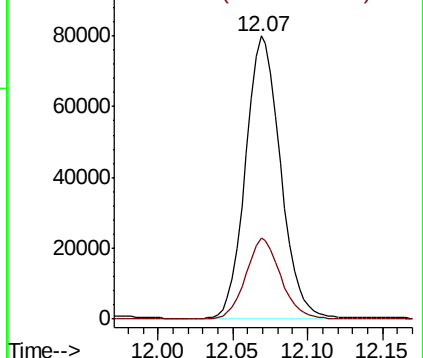
43 100

55 28.4 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN051001.D

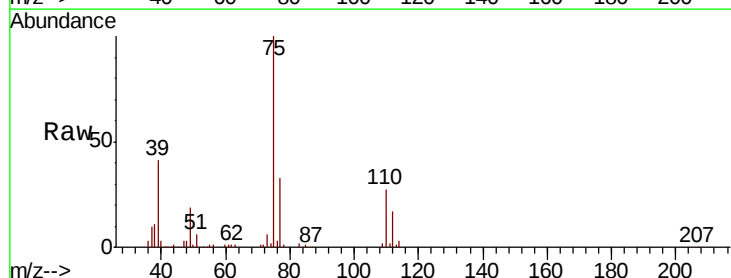
Acq: 31 Aug 2018 20:58

Tgt Ion: 75 Resp: 165642

Ion Ratio Lower Upper

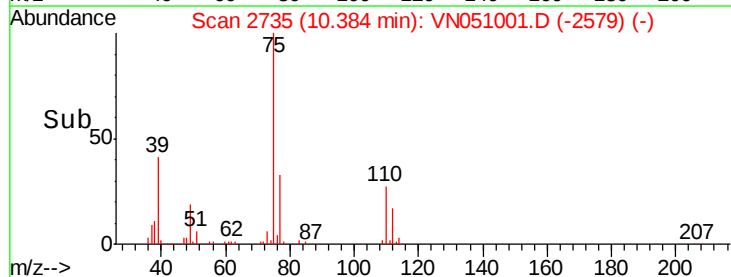
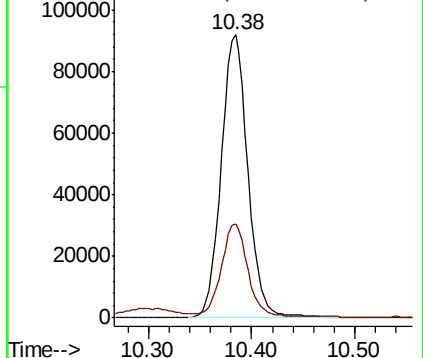
75 100

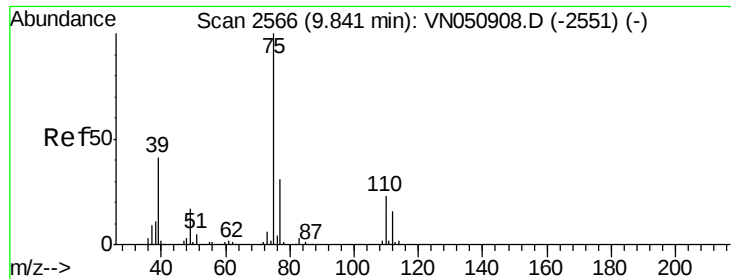
77 32.9 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

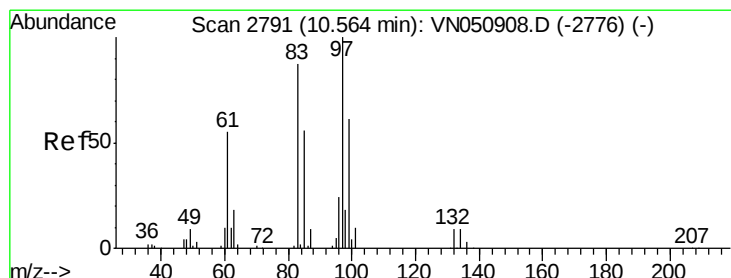
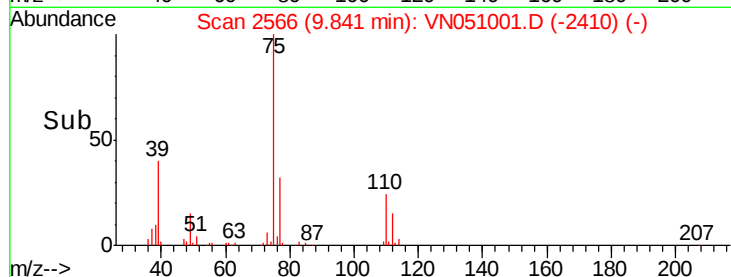
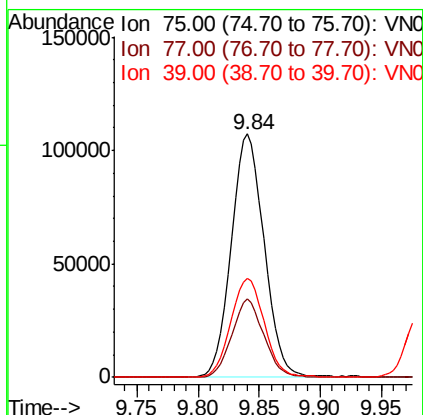
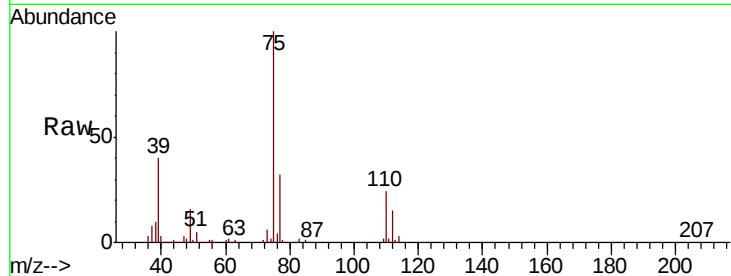




#49
 cis-1,3-Dichloropropene
 Concen: 18.57 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

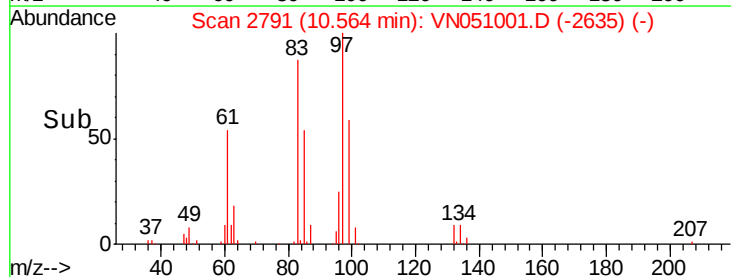
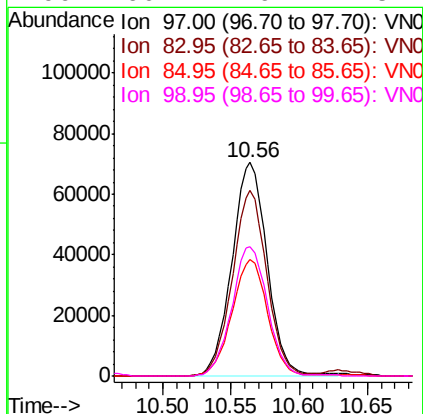
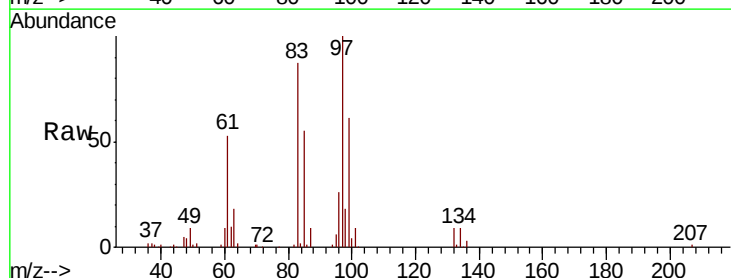
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

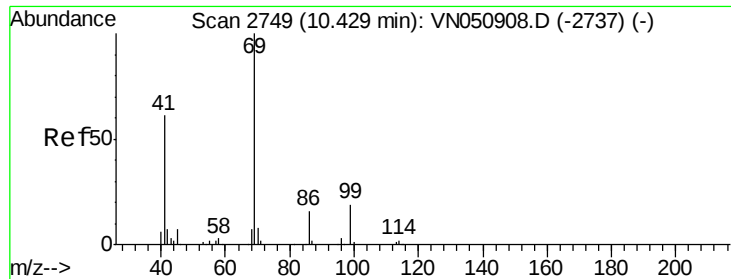
Tot Ion: 75 Resp: 201441
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4
 39 40.5 32.9 49.3



#50
 1,1,2-Trichloroethane
 Concen: 19.05 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 97 Resp: 126558
 Ion Ratio Lower Upper
 97 100
 83 87.0 69.8 104.6
 85 54.5 45.0 67.6
 99 60.7 49.1 73.7





#51

Ethyl methacrylate

Concen: 16.50 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD02

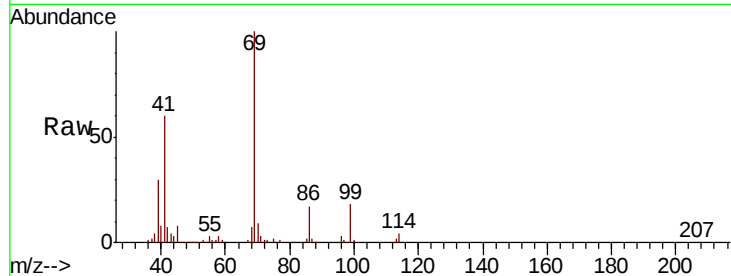
Tot Ion: 69 Resp: 134090

Ion Ratio Lower Upper

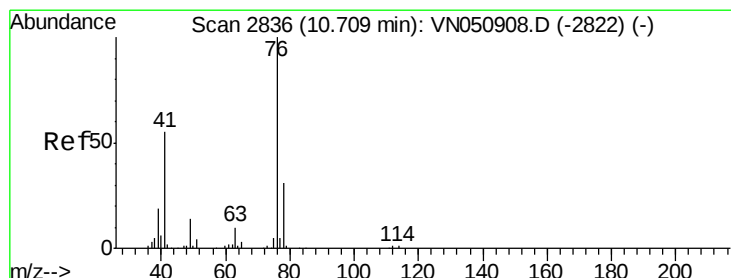
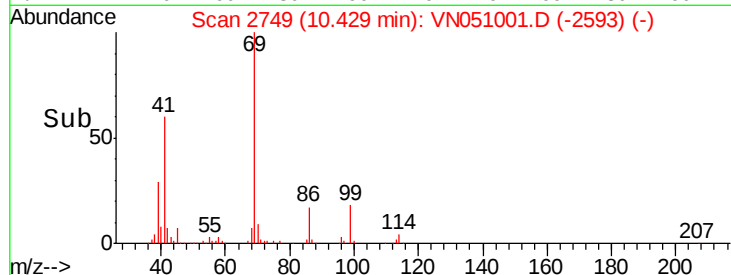
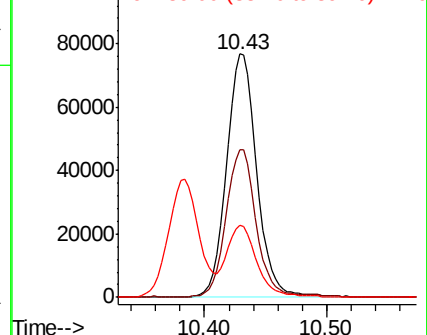
69 100

41 60.0 30.5 91.5

39 29.2 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.33 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN051001.D

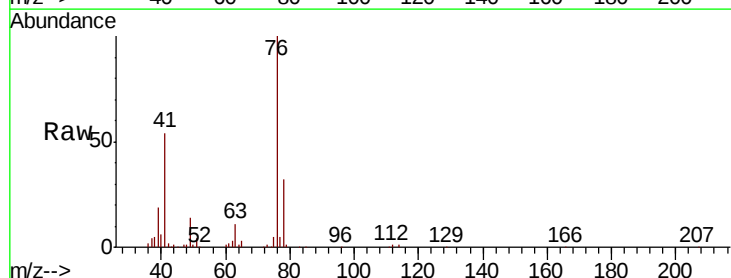
Acq: 31 Aug 2018 20:58

Tgt Ion: 76 Resp: 201679

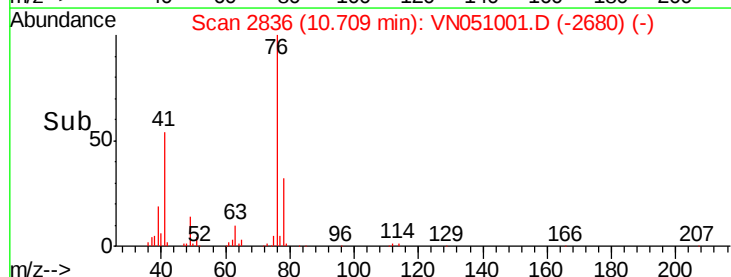
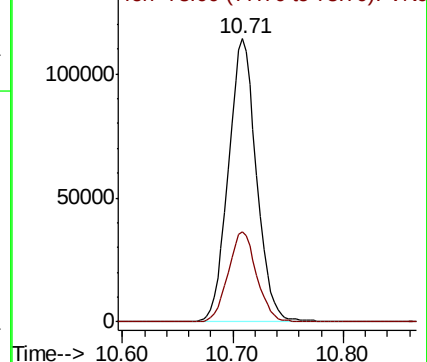
Ion Ratio Lower Upper

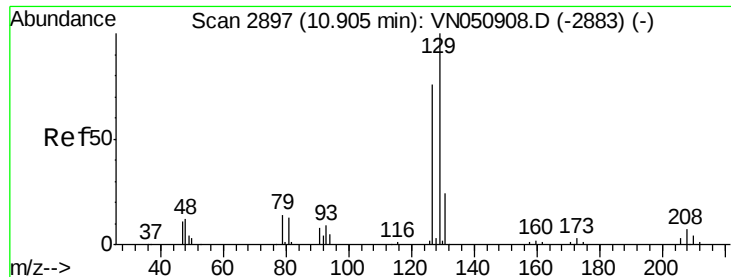
76 100

78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

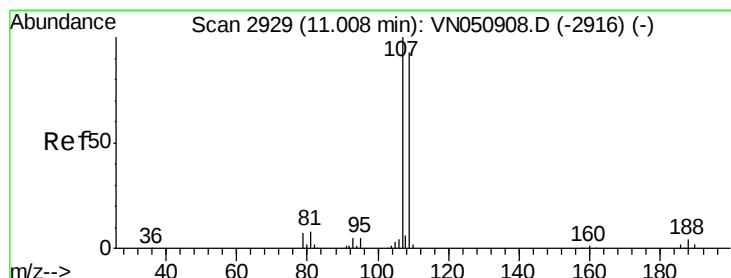
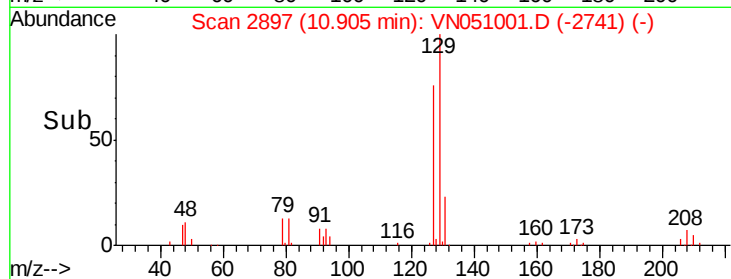
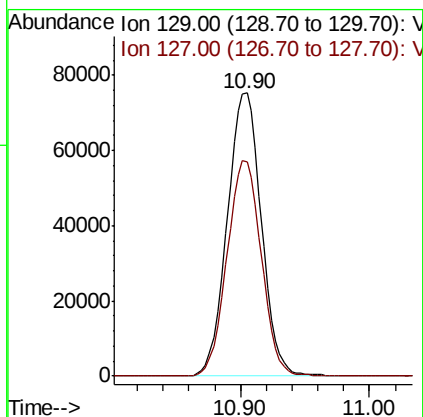
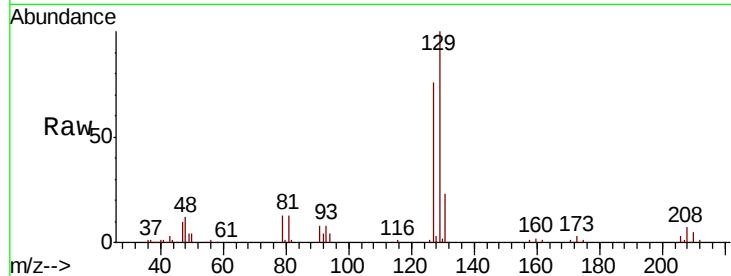




#53
 Dibromochloromethane
 Concen: 18.28 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

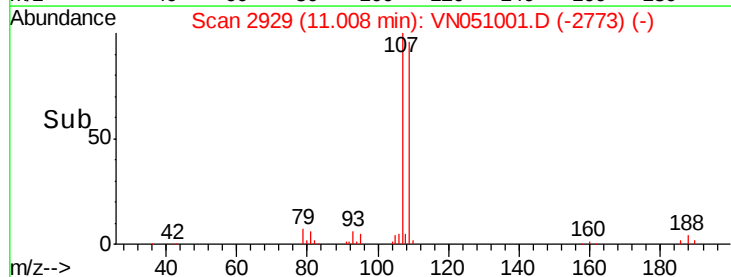
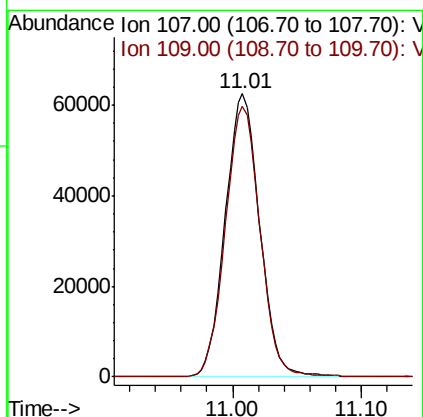
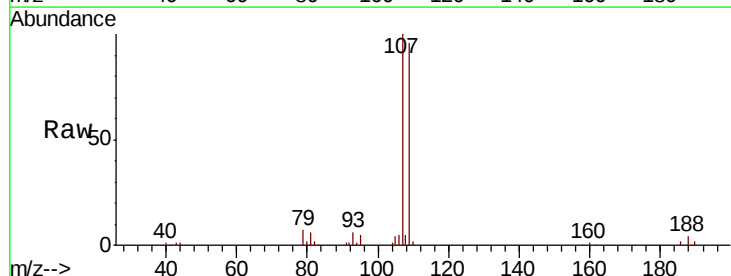
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

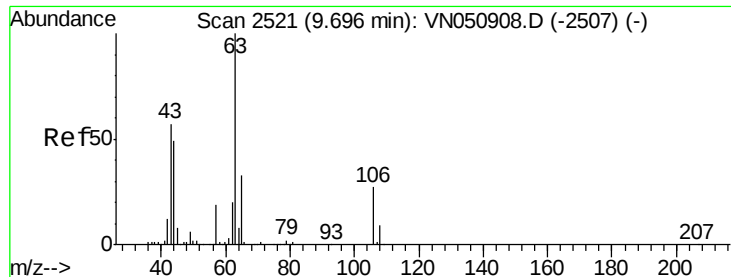
Tot Ion:129 Resp: 138066
 Ion Ratio Lower Upper
 129 100
 127 76.8 39.0 116.9



#54
 1,2-Dibromoethane
 Concen: 17.65 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion:107 Resp: 115897
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 83.32 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

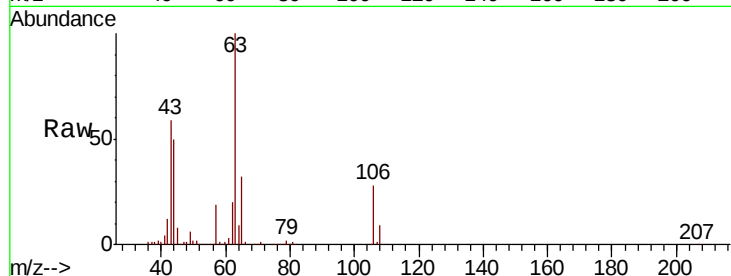
Tot Ion: 63 Resp: 281734

Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.2

106 27.5 22.0 33.0

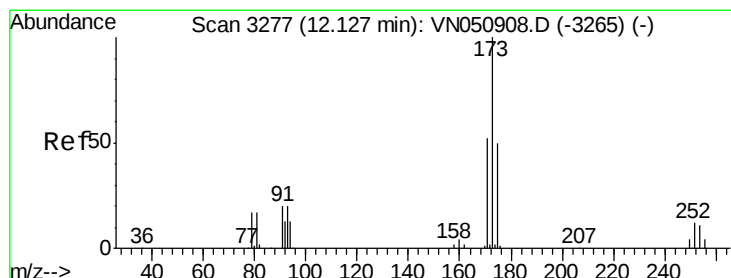
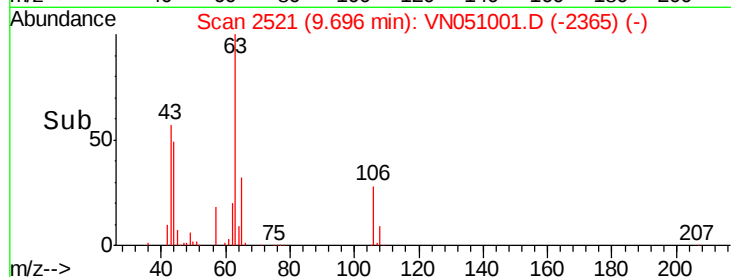


Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050908.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050908.D (-2507) (-)

Time-->



#56

Bromoform

Concen: 17.00 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

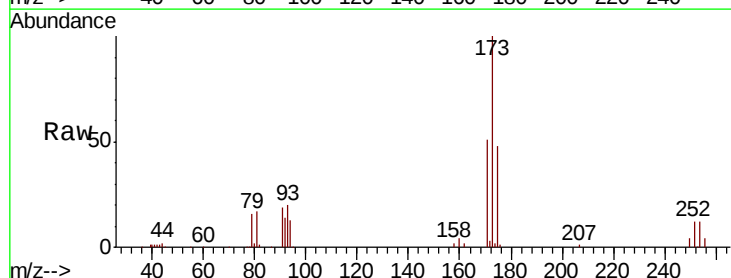
Tgt Ion: 173 Resp: 91306

Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 11.7 9.0 13.6

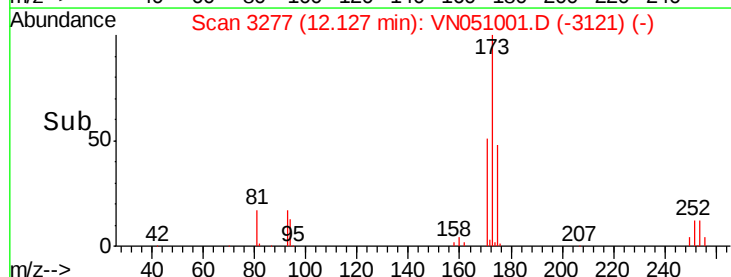


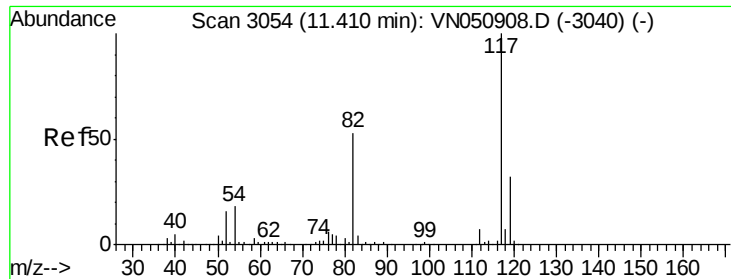
Abundance Ion 173.00 (172.70 to 173.70): VN050908.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050908.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050908.D (-3265) (-)

Time-->

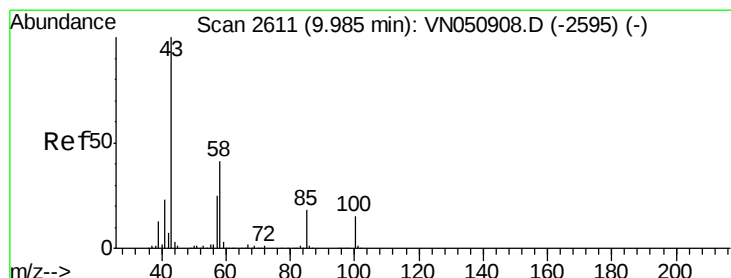
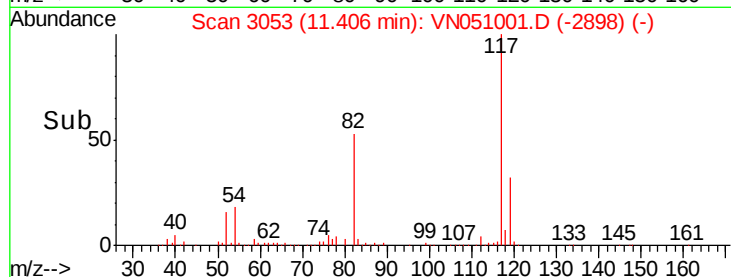
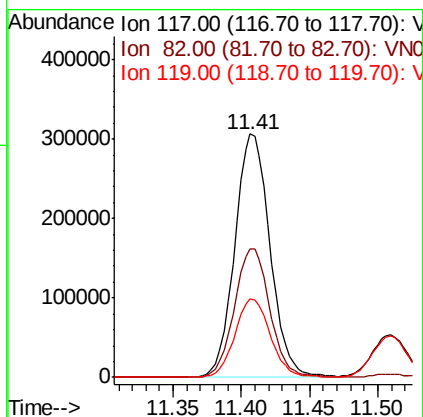
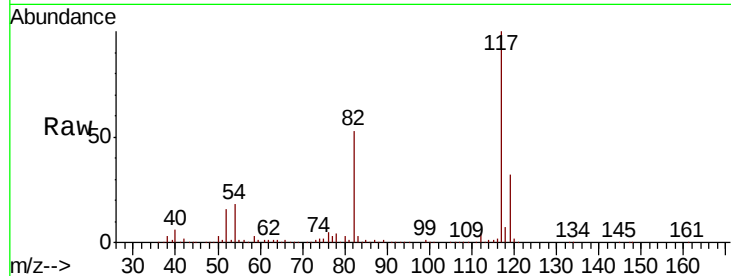




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

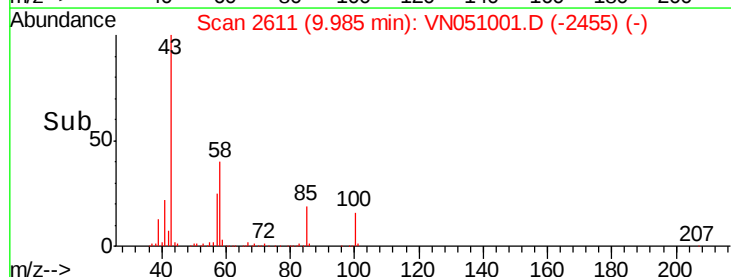
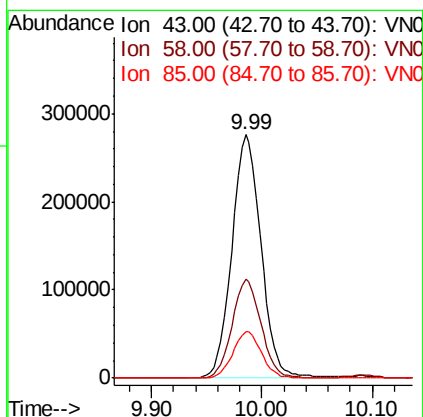
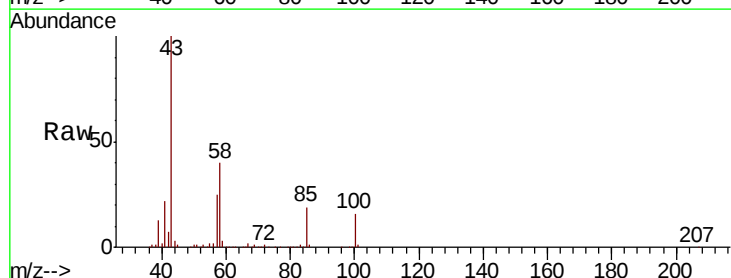
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

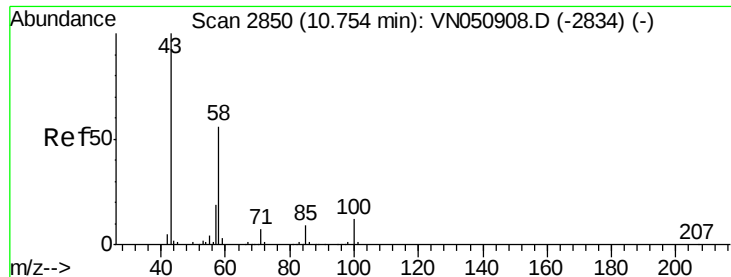
Tot Ion:117 Resp: 549183
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.4 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 80.38 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 43 Resp: 505085
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5
85 18.8 14.9 22.3

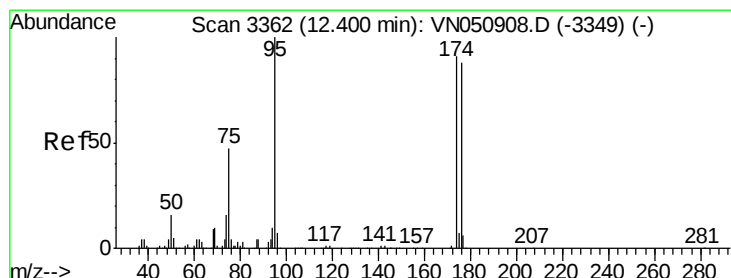
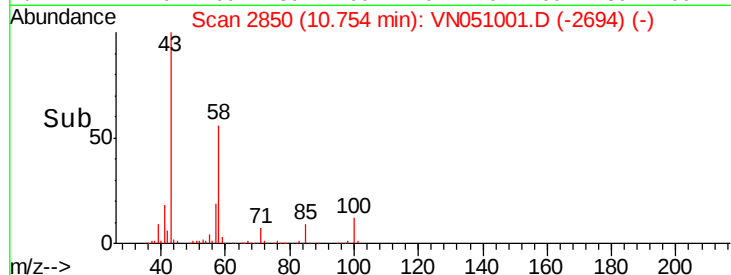
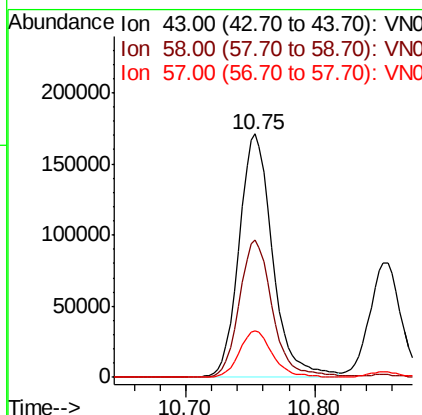
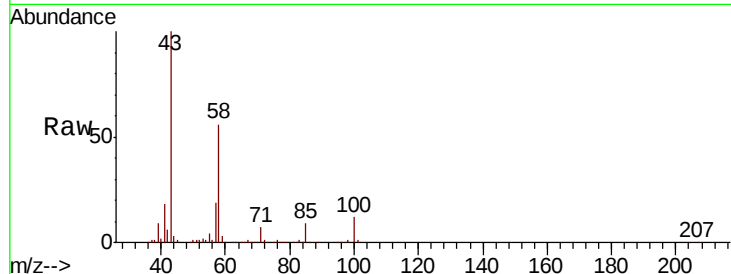




#59
2-Hexanone
Concen: 74.96 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

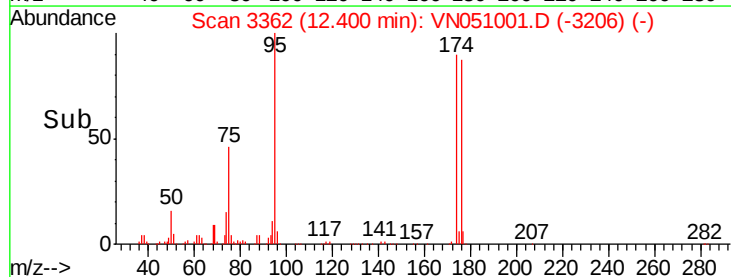
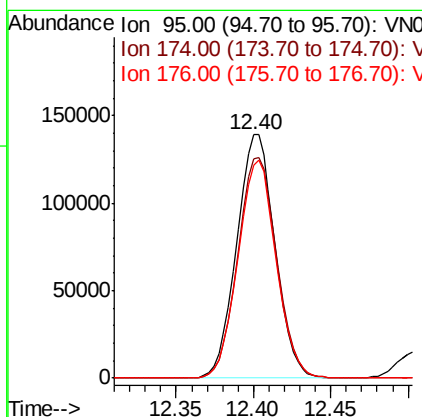
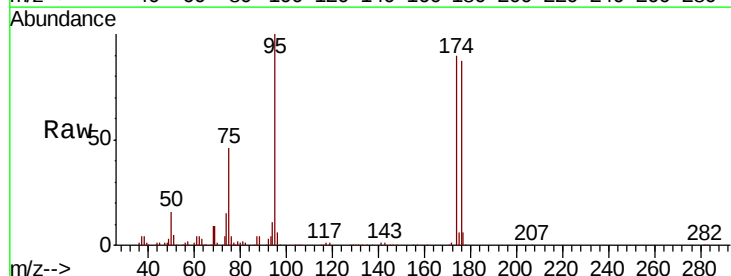
Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD02

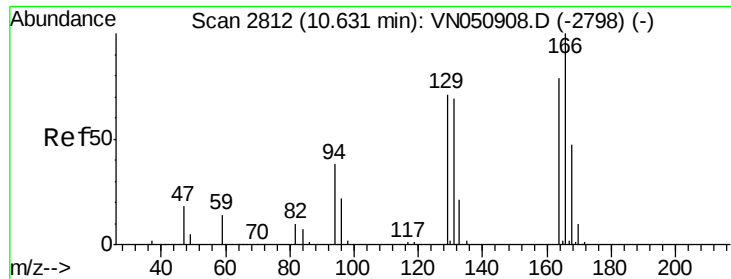
Tot Ion	43	Resp	307854
Ion Ratio	Lower	Upper	
43	100		
58	56.3	45.5	68.3
57	19.1	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 29.24 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion	95	Resp	238817
Ion Ratio	Lower	Upper	
95	100		
174	92.3	74.6	112.0
176	89.3	71.5	107.3





#61

Tetrachloroethene

Concen: 19.99 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

Tot Ion:164 Resp: 136809

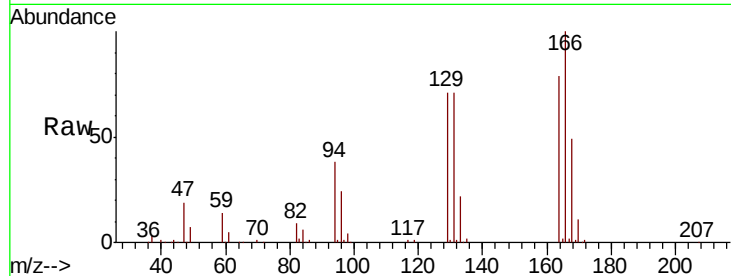
Ion Ratio Lower Upper

164 100

166 126.3 100.6 151.0

129 89.5 71.0 106.6

131 89.5 69.3 103.9



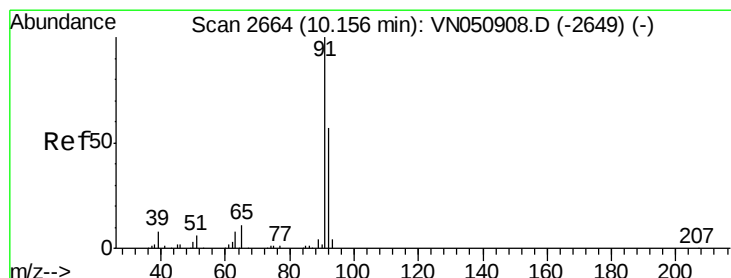
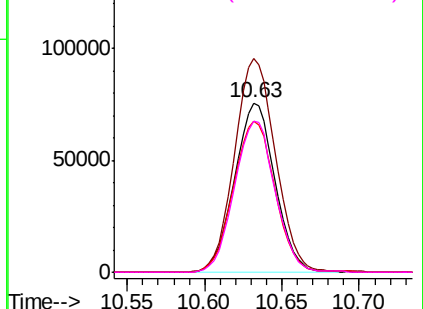
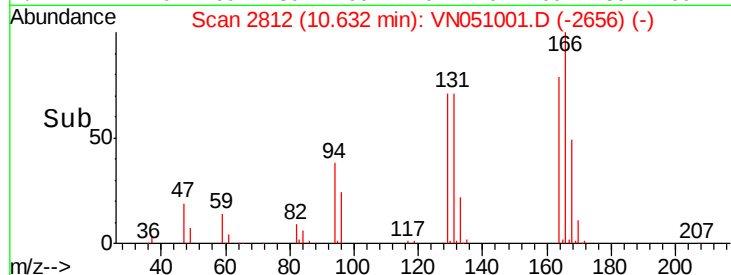
Abundance

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: 20.09 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN051001.D

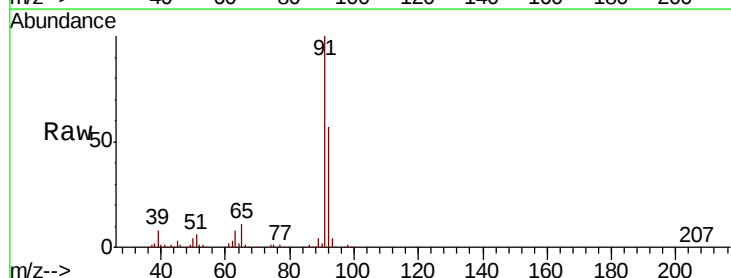
Acq: 31 Aug 2018 20:58

Tgt Ion: 91 Resp: 615422

Ion Ratio Lower Upper

91 100

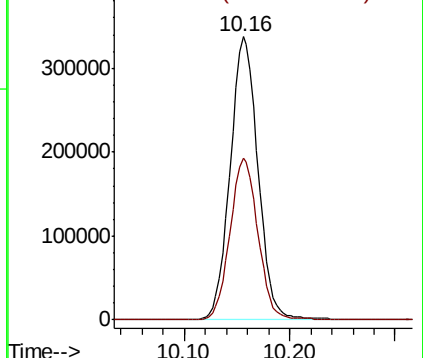
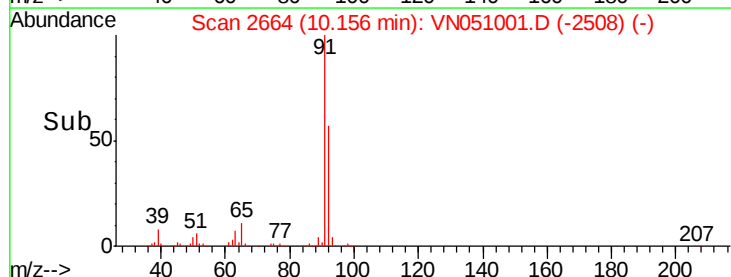
92 57.5 45.8 68.8

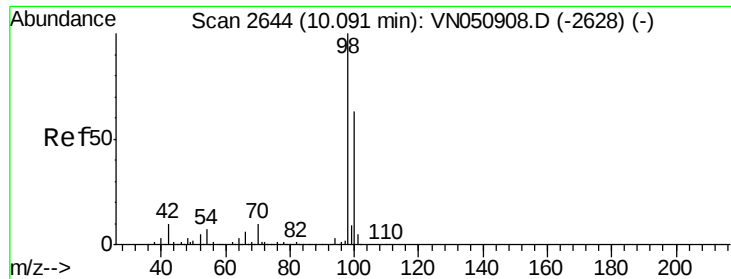


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.50 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

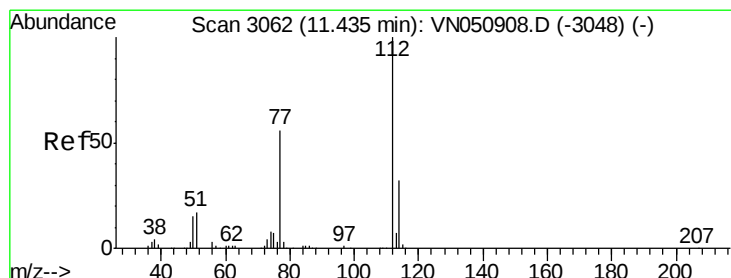
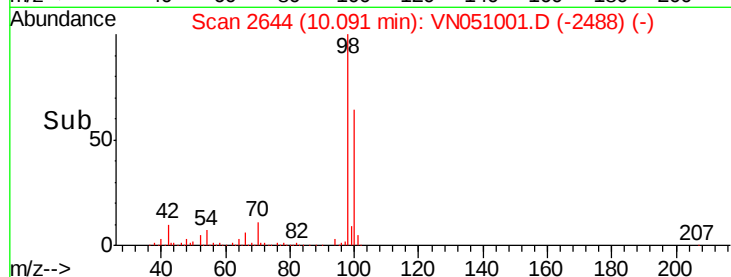
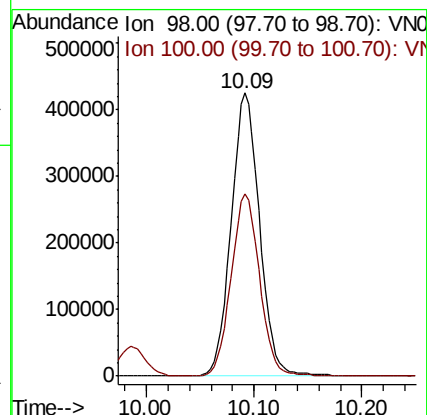
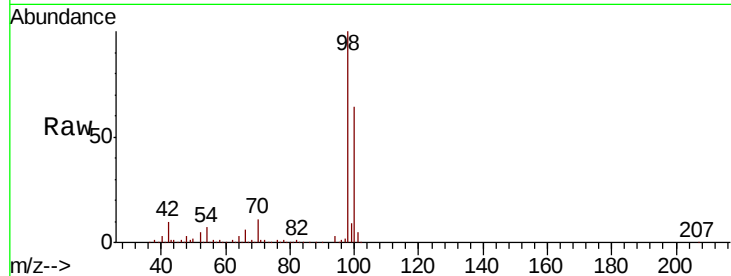
VN0831WBSD02

Tot Ion: 98 Resp: 781065

Ion Ratio Lower Upper

98 100

100 64.5 50.6 75.8



#64

Chlorobenzene

Concen: 19.20 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN051001.D

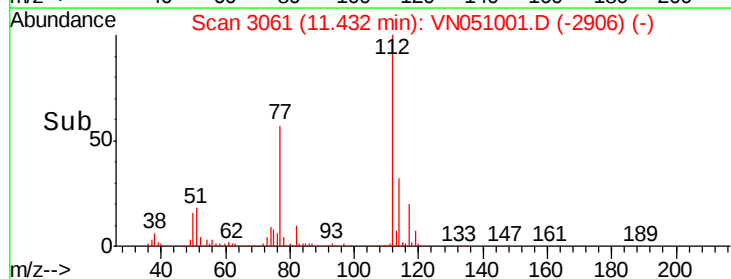
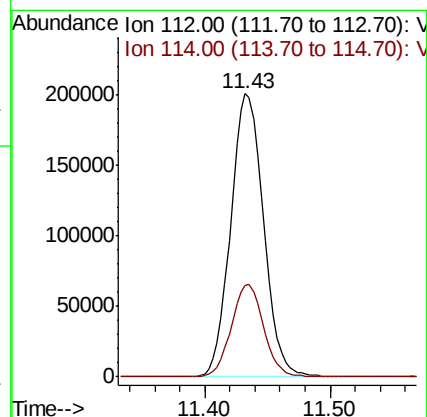
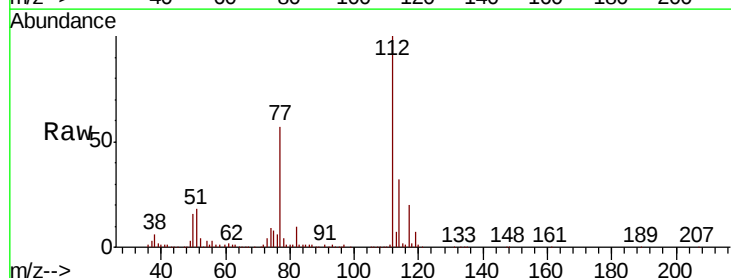
Acq: 31 Aug 2018 20:58

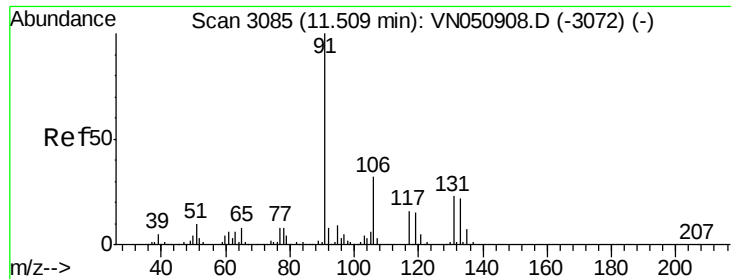
Tgt Ion: 112 Resp: 364488

Ion Ratio Lower Upper

112 100

114 32.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.37 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

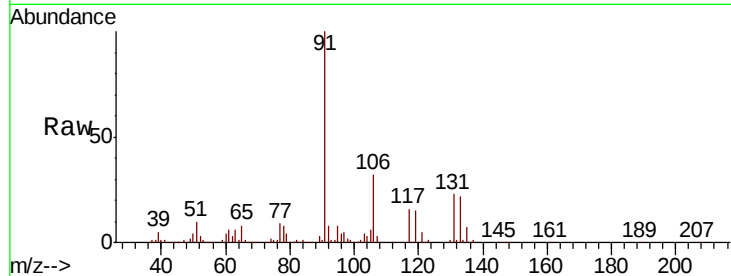
Tot Ion:131 Resp: 138902

Ion Ratio Lower Upper

131 100

133 96.9 0.0 189.4

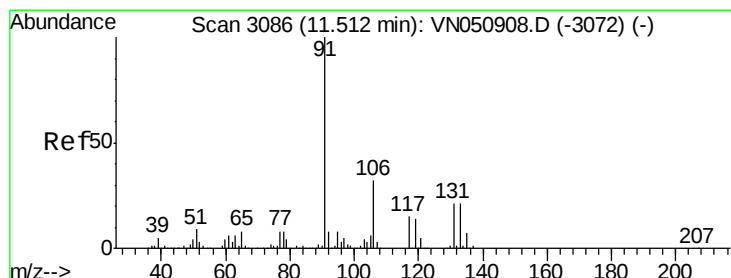
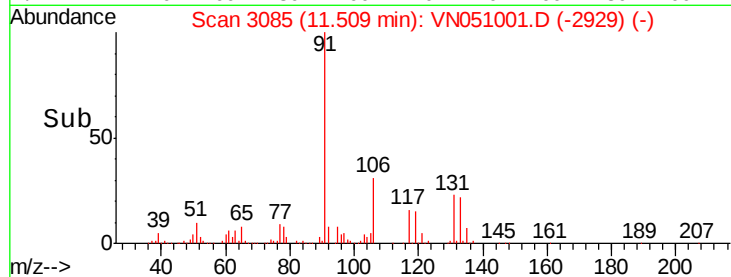
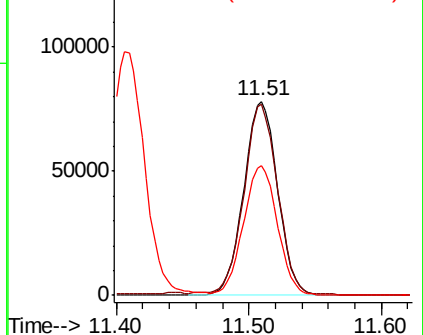
119 67.1 0.0 132.2



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: 18.92 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN051001.D

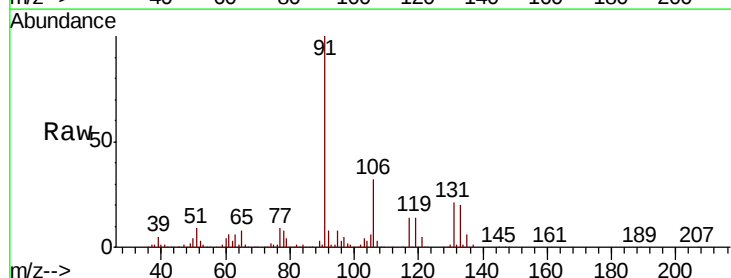
Acq: 31 Aug 2018 20:58

Tgt Ion: 91 Resp: 600435

Ion Ratio Lower Upper

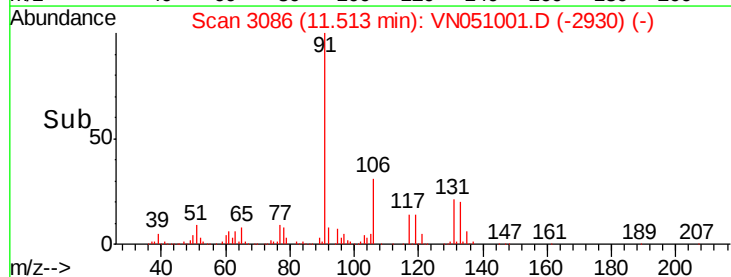
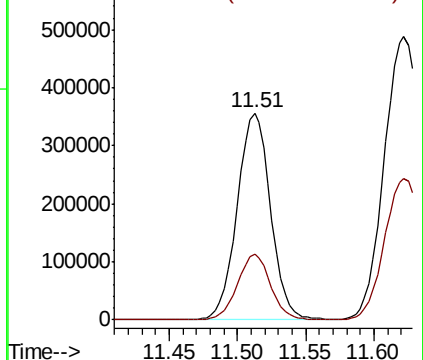
91 100

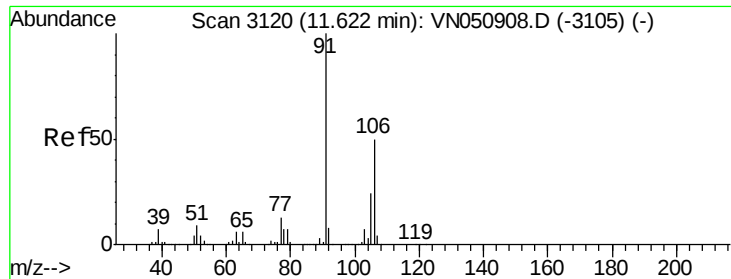
106 31.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.66 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

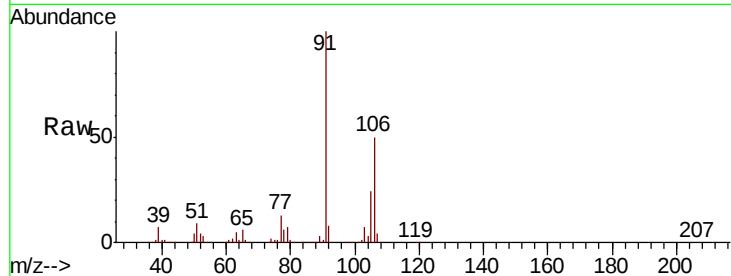
VN0831WBSD02

Tot Ion:106 Resp: 472123

Ion Ratio Lower Upper

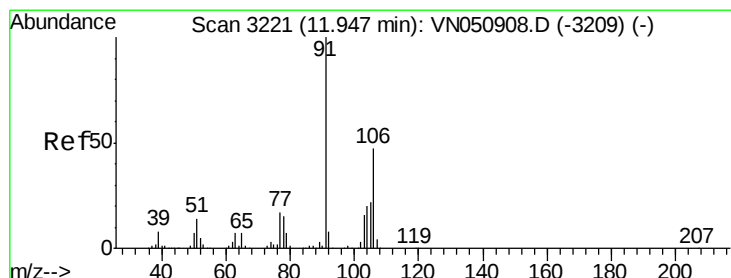
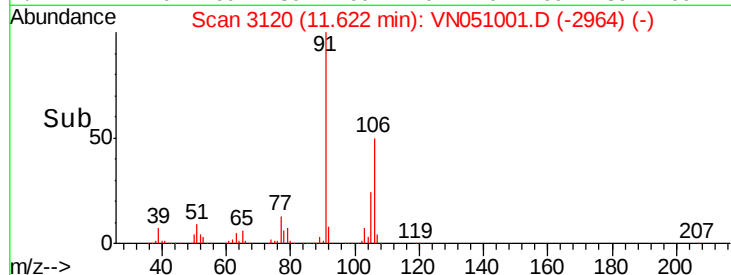
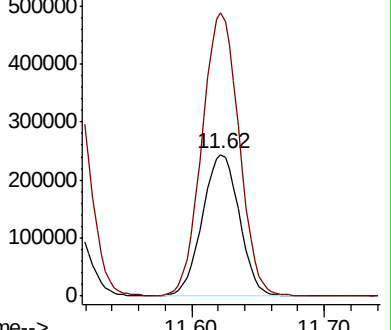
106 100

91 200.3 160.6 241.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.22 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN051001.D

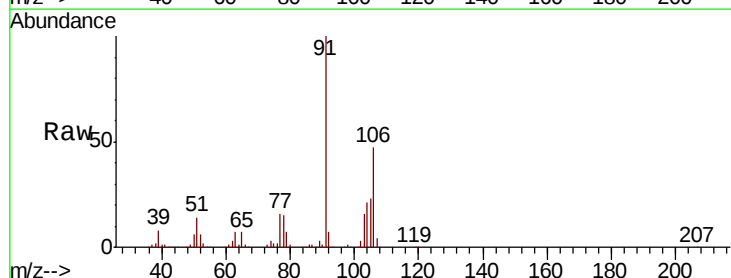
Acq: 31 Aug 2018 20:58

Tgt Ion:106 Resp: 224260

Ion Ratio Lower Upper

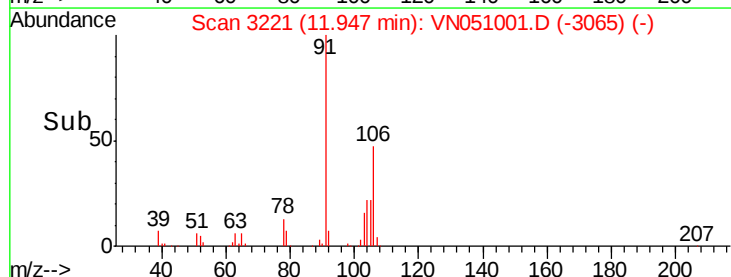
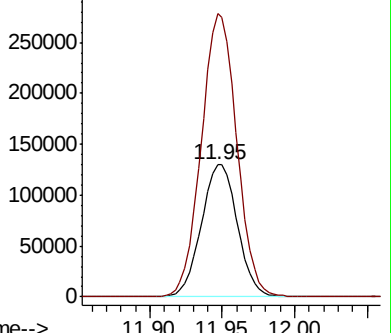
106 100

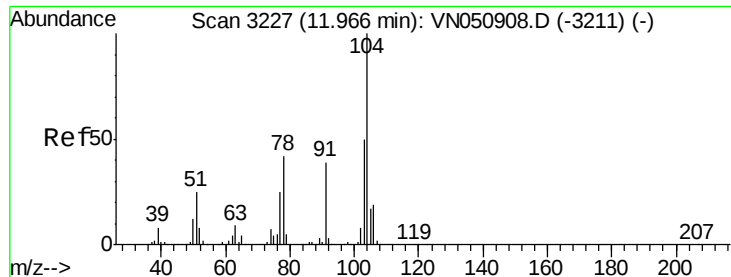
91 210.7 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

Stvrene

Concen: 18.66 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD02

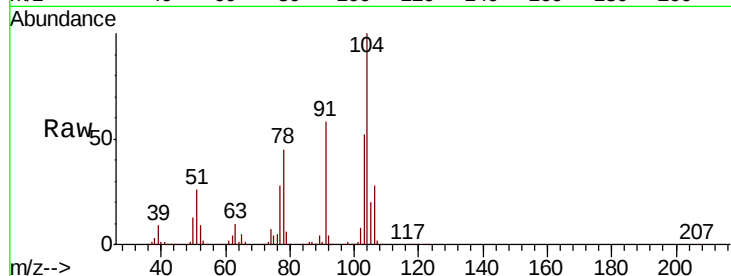
Tot Ion:104 Resp: 346063

Ion Ratio Lower Upper

104 100

78 48.9 38.6 58.0

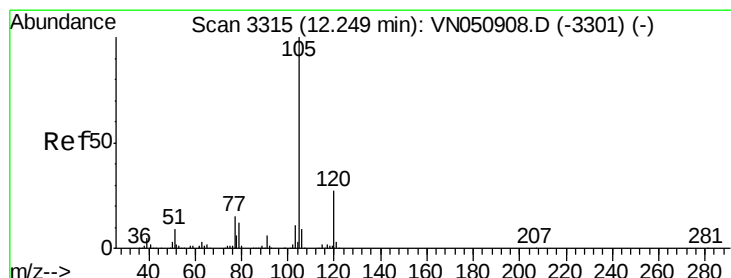
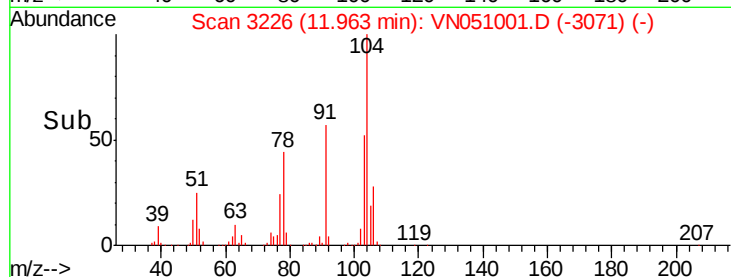
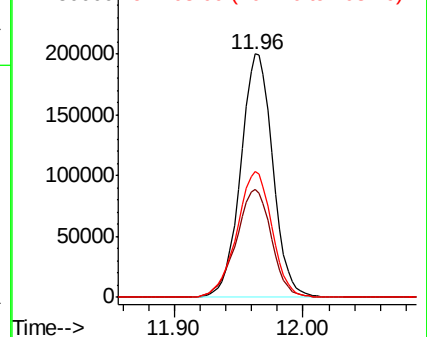
103 56.8 45.4 68.2



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: 19.21 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN051001.D

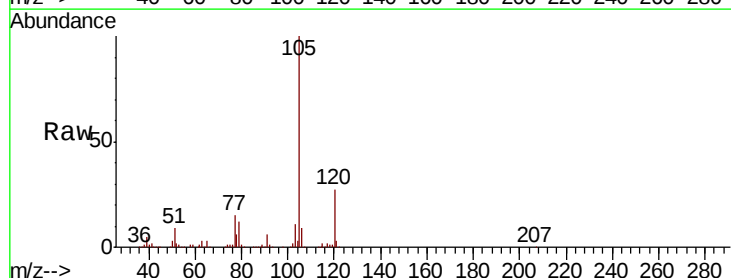
Acq: 31 Aug 2018 20:58

Tgt Ion:105 Resp: 595660

Ion Ratio Lower Upper

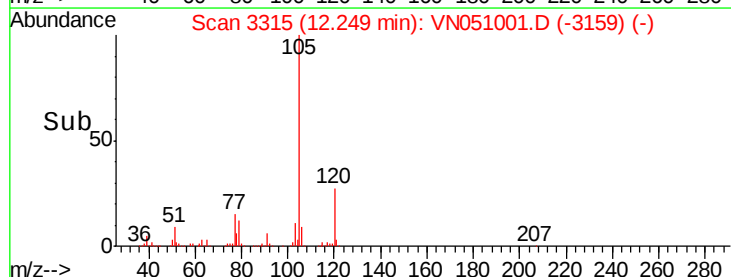
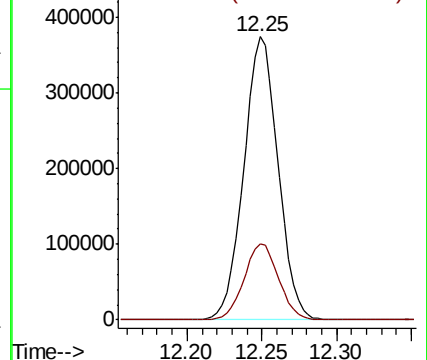
105 100

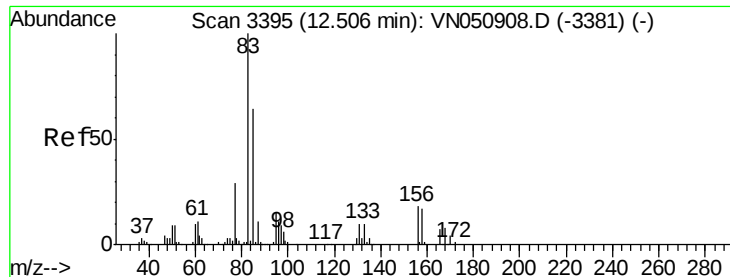
120 27.1 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

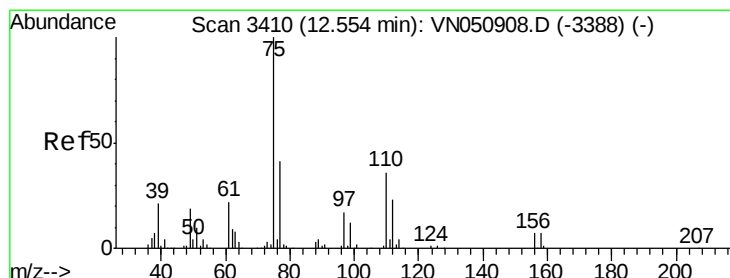
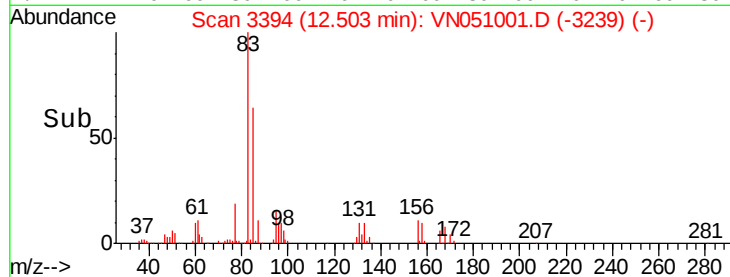
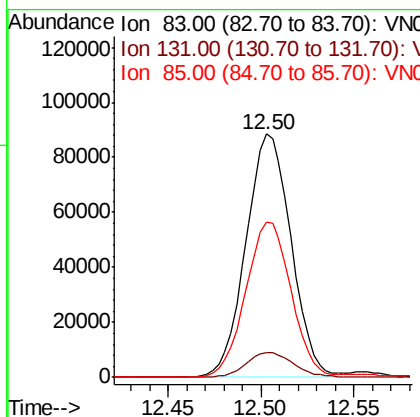
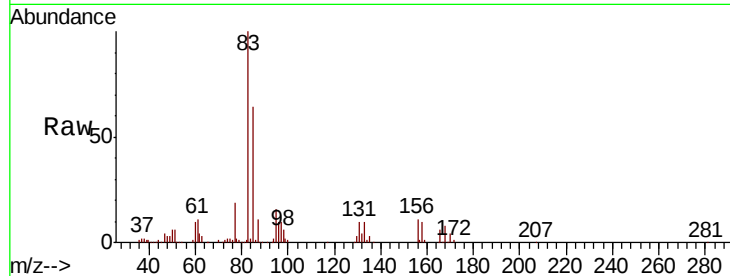




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.85 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

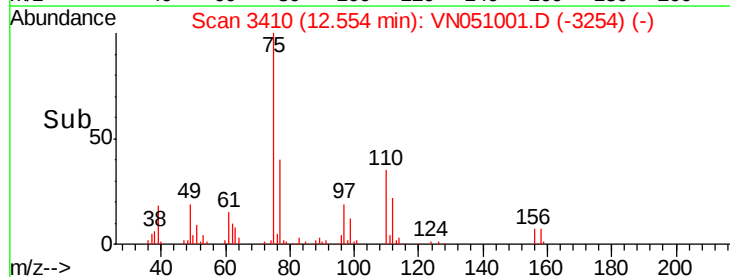
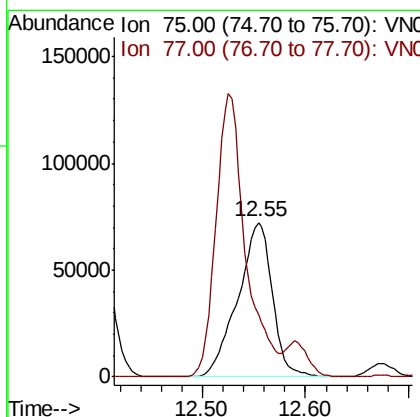
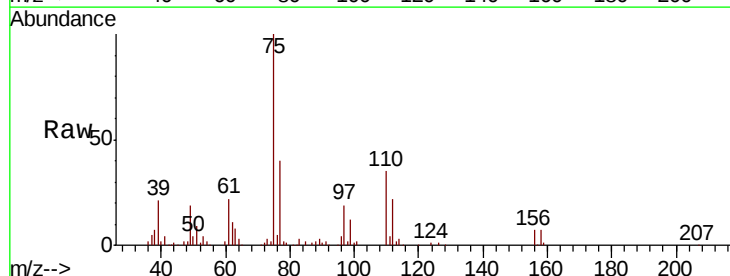
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

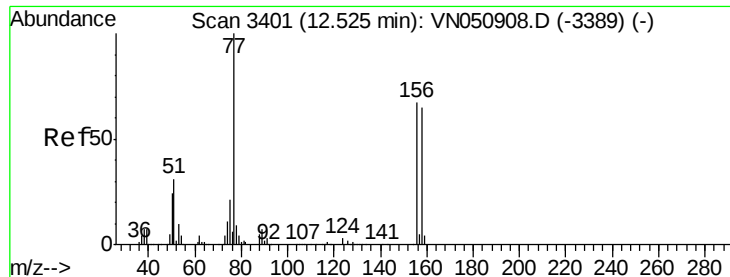
Tot Ion: 83 Resp: 149816
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.3 15.9
 85 64.0 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 23.24 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion: 75 Resp: 168282
 Ion Ratio Lower Upper
 75 100
 77 157.7 0.0 301.6





#73

Bromobenzene

Concen: 18.49 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

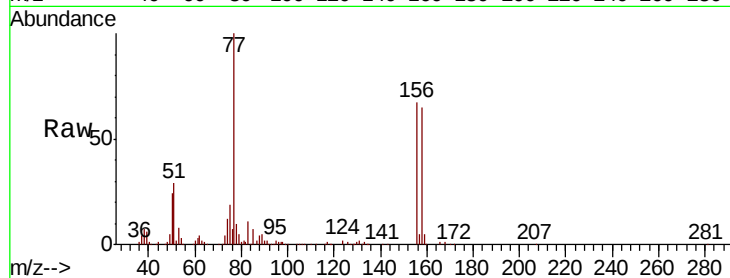
Tot Ion:156 Resp: 150824

Ion Ratio Lower Upper

156 100

77 176.0 0.0 359.4

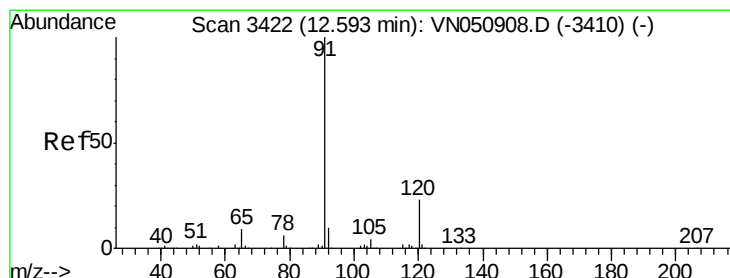
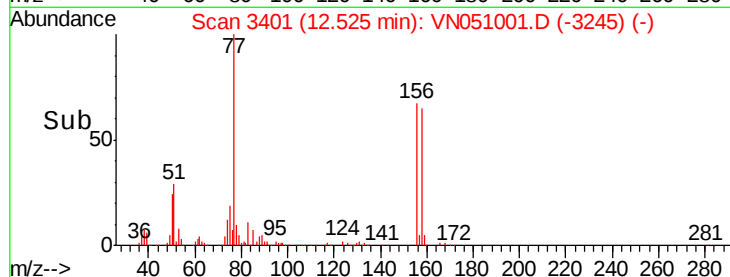
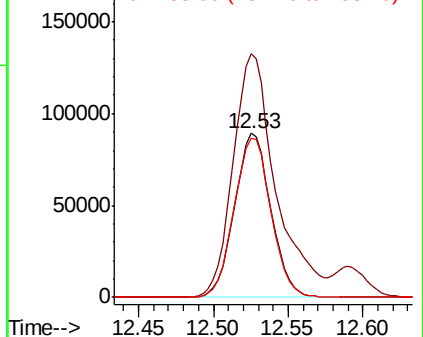
158 98.4 0.0 194.6



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: 18.97 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051001.D

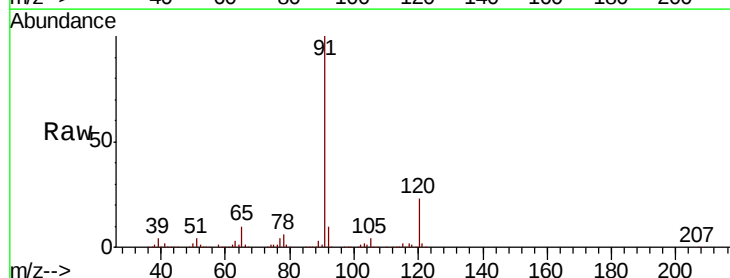
Acq: 31 Aug 2018 20:58

Tgt Ion: 91 Resp: 664968

Ion Ratio Lower Upper

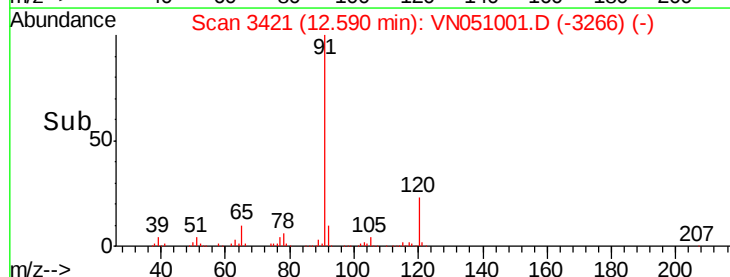
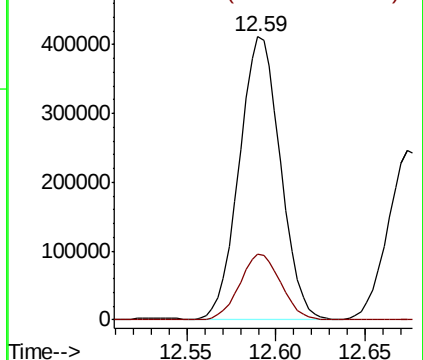
91 100

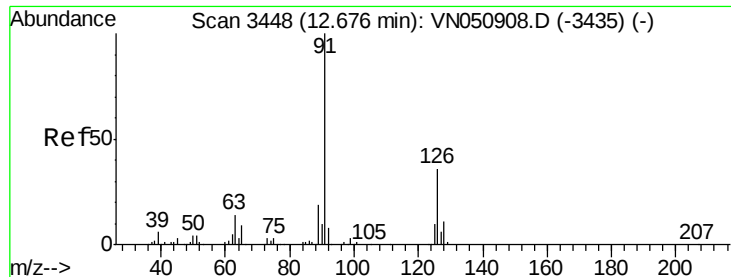
120 23.3 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.40 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

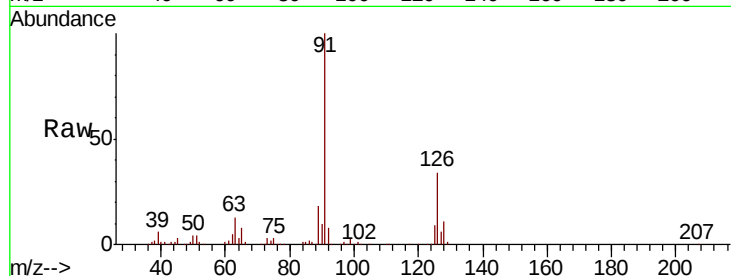
VN0831WBSD02

Tot Ion: 91 Resp: 413192

Ion Ratio Lower Upper

91 100

126 35.3 0.0 71.8



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

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)

300000

200000

100000

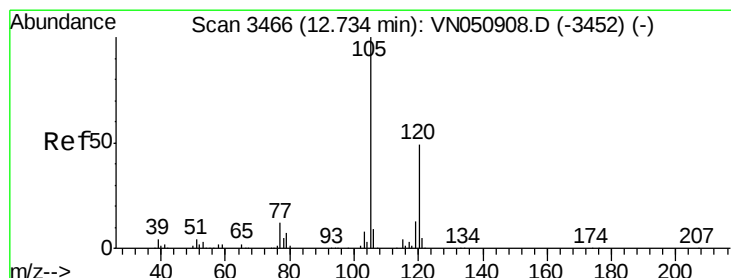
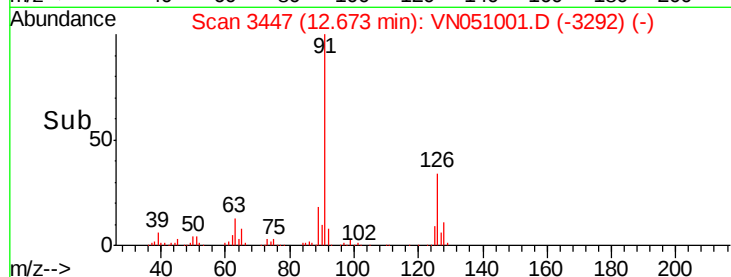
0

12.67

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN051001.D

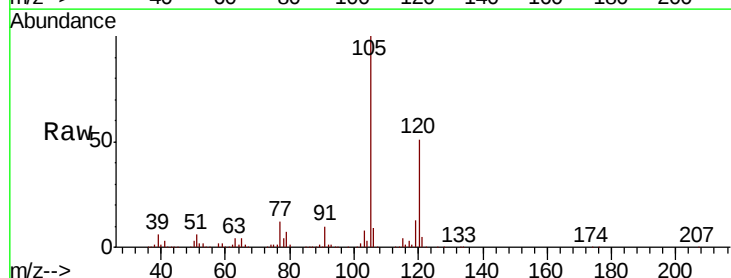
Acq: 31 Aug 2018 20:58

Tgt Ion: 105 Resp: 491135

Ion Ratio Lower Upper

105 100

120 50.2 0.0 99.6



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

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)

300000

200000

100000

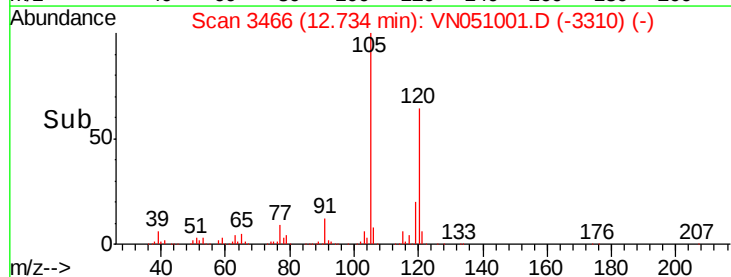
0

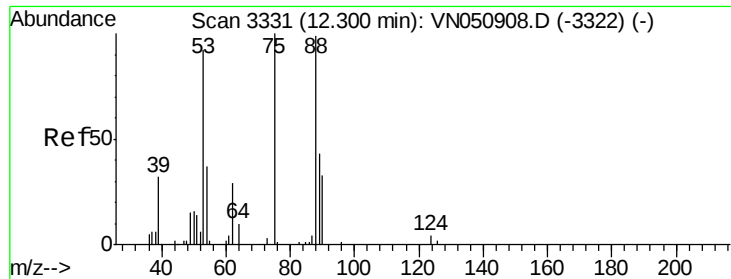
12.73

12.70

12.80

Time-->

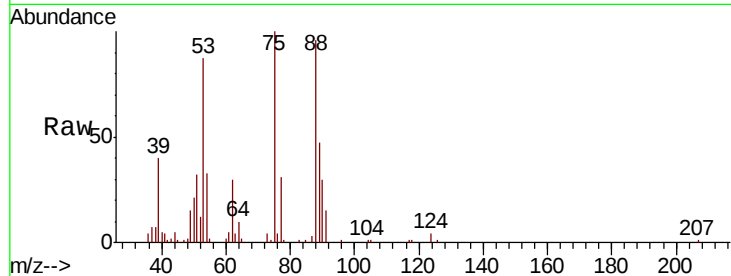




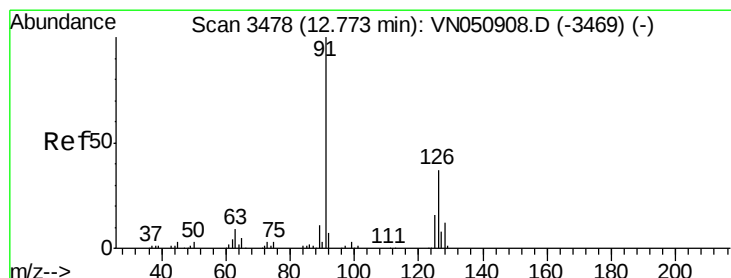
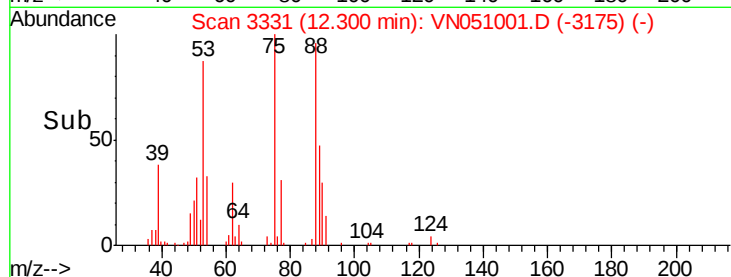
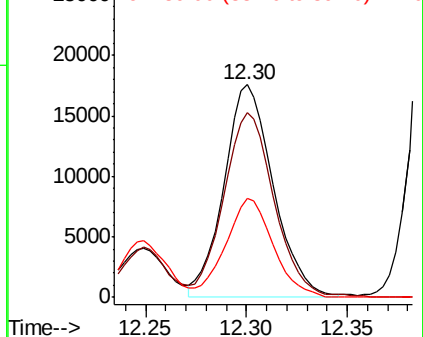
#77
t-1,4-Dichloro-2-butene
Concen: 14.57 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD02

Tot Ion: 75 Resp: 30062
Ion Ratio Lower Upper
75 100
53 86.3 45.5 136.4
89 47.3 21.9 65.8

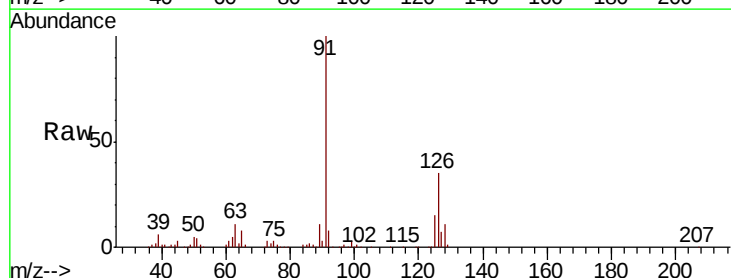


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

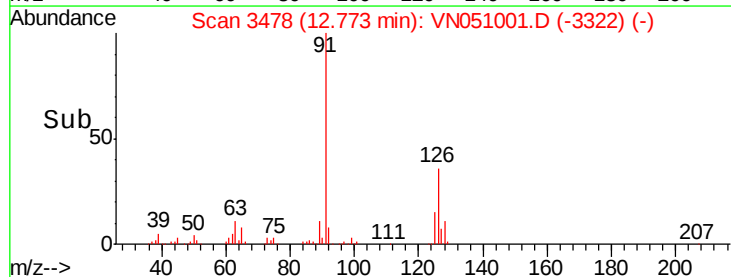
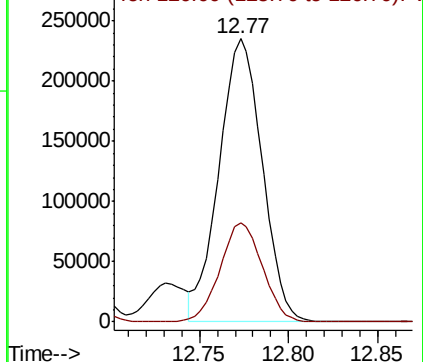


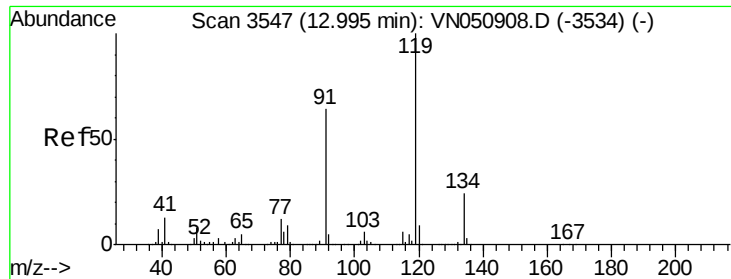
#78
4-Chlorotoluene
Concen: 18.76 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN051001.D
Acq: 31 Aug 2018 20:58

Tgt Ion: 91 Resp: 393413
Ion Ratio Lower Upper
91 100
126 34.4 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: 19.05 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

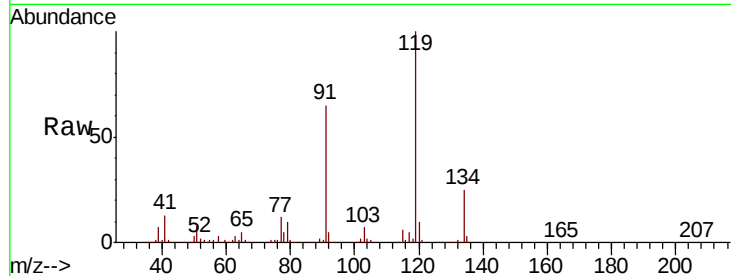
Tot Ion:119 Resp: 419206

Ion Ratio Lower Upper

119 100

91 63.5 0.0 125.6

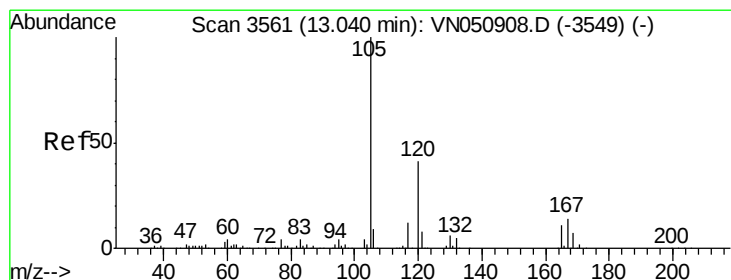
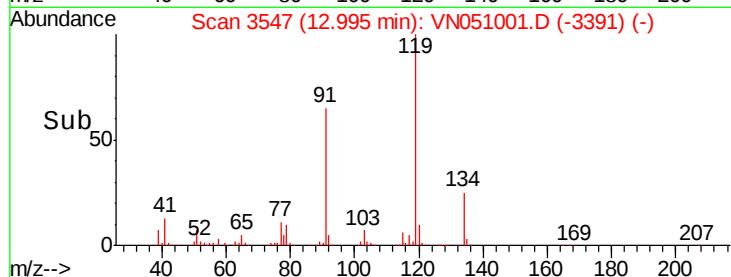
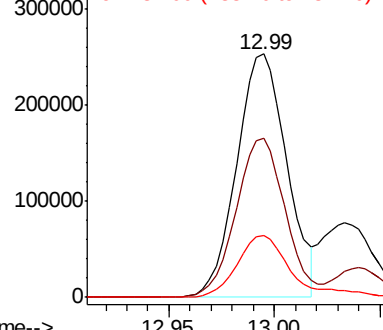
134 27.6 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.49 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN051001.D

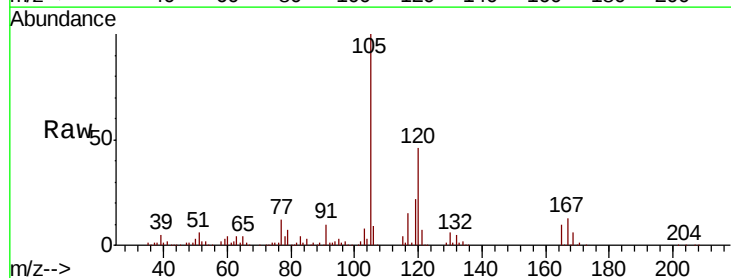
Acq: 31 Aug 2018 20:58

Tgt Ion:105 Resp: 492298

Ion Ratio Lower Upper

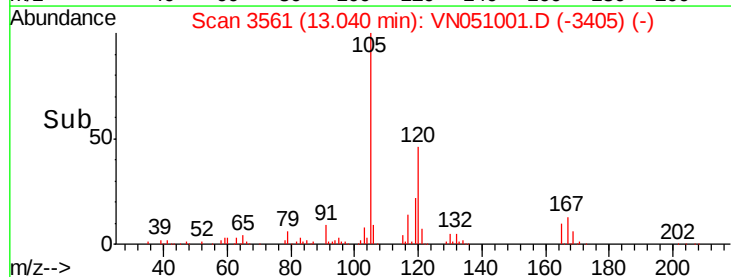
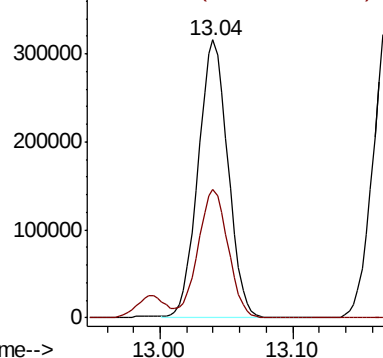
105 100

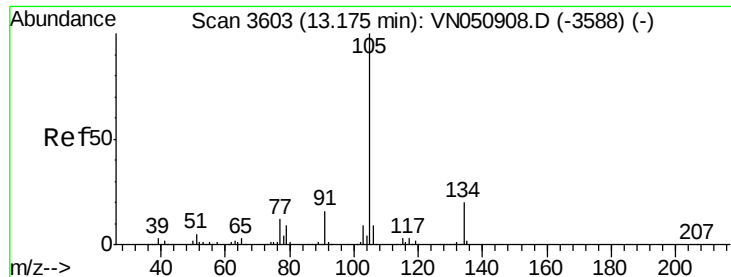
120 46.7 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

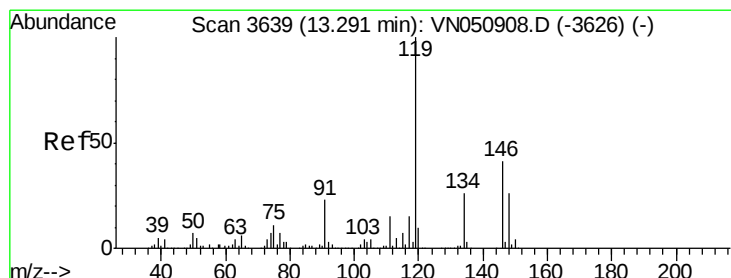
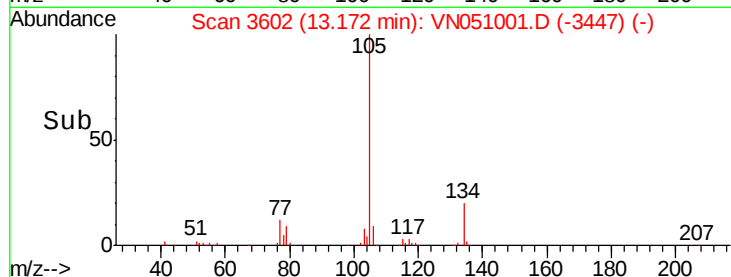
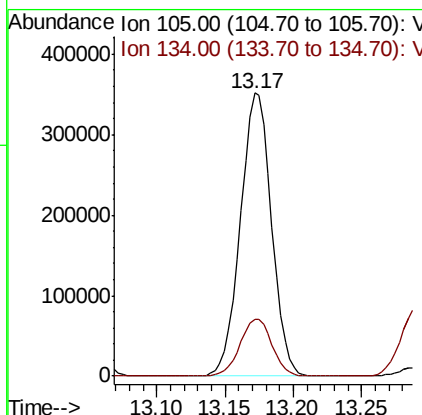
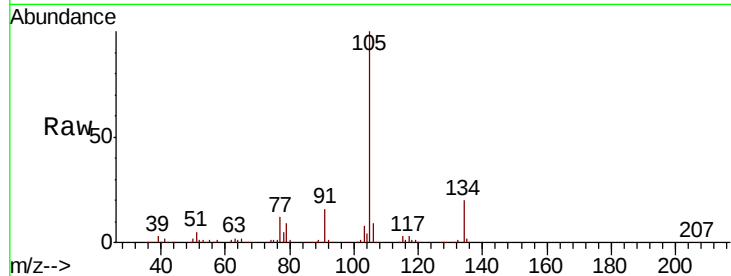




#81
 sec-Butylbenzene
 Concen: 19.25 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

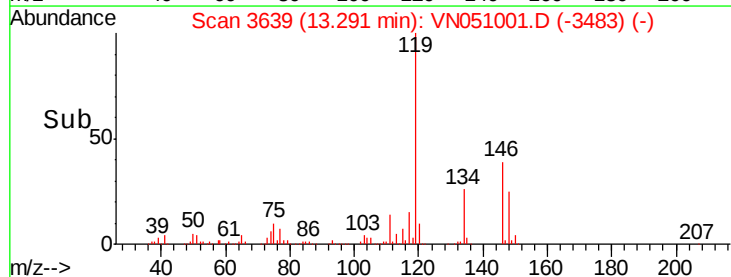
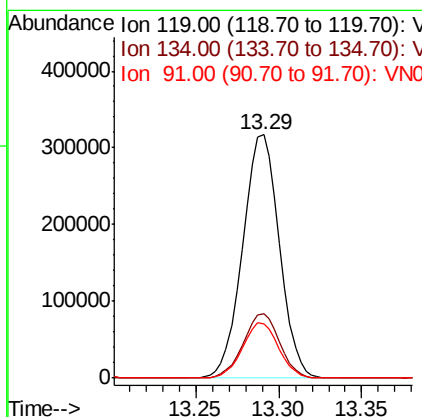
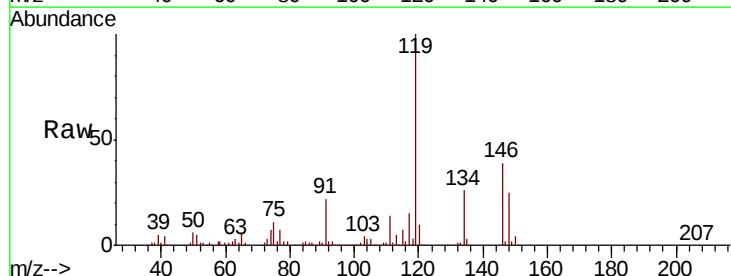
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

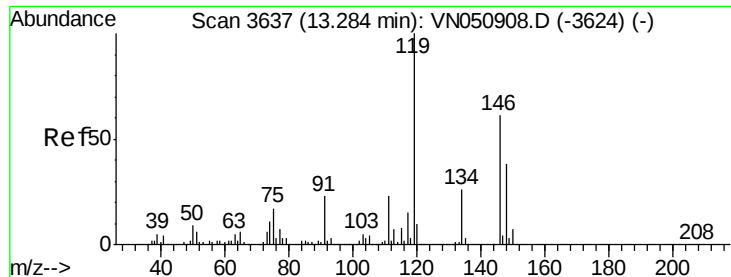
Tot Ion:105 Resp: 554108
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 19.56 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion:119 Resp: 485942
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 53.2
 91 22.6 0.0 46.0

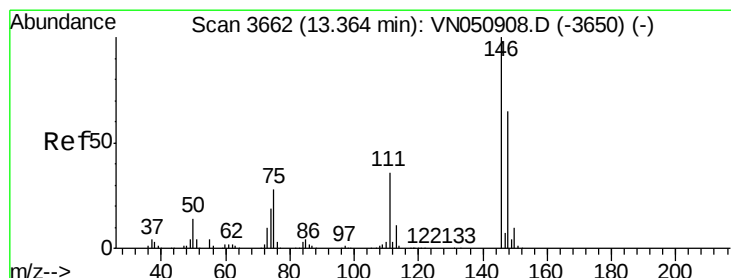
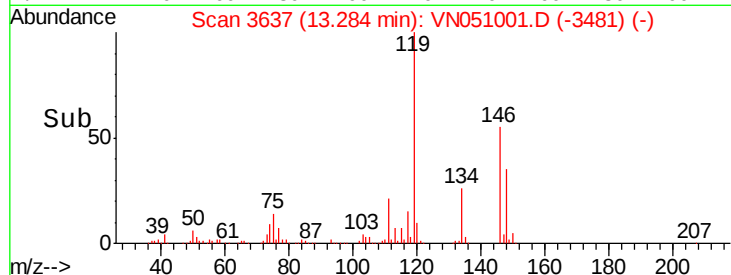
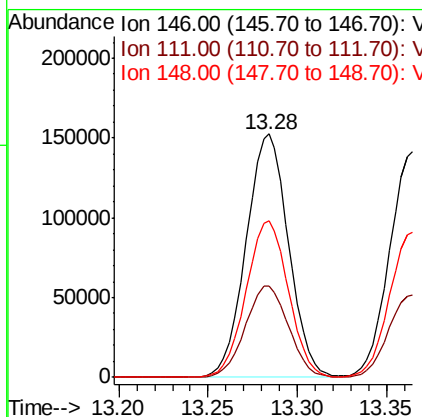
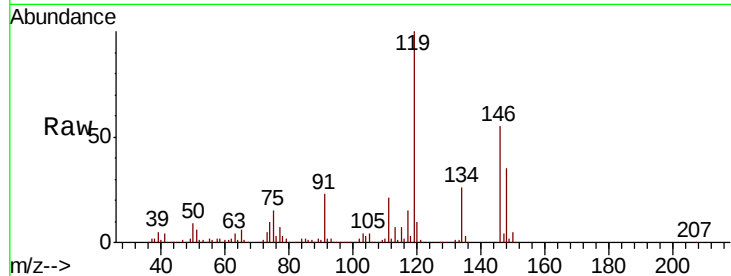




#83
 1,3-Dichlorobenzene
 Concen: 18.38 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

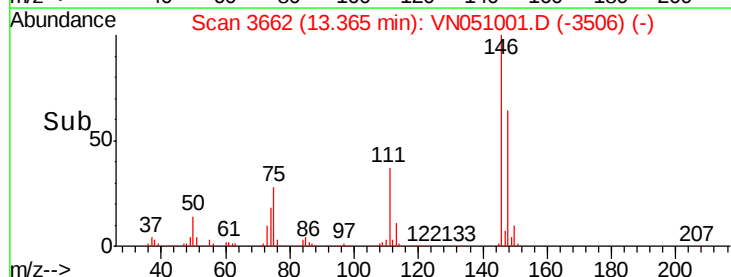
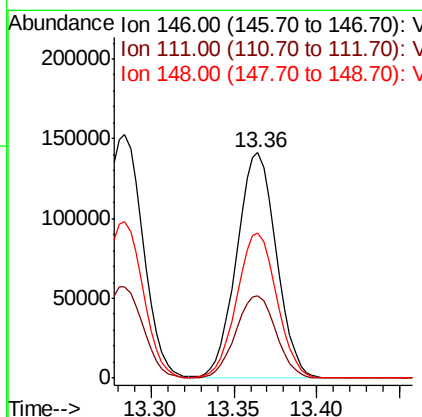
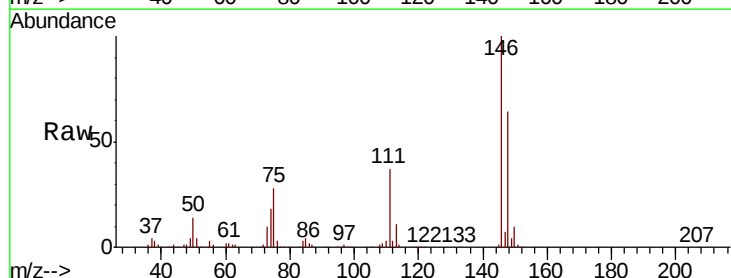
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

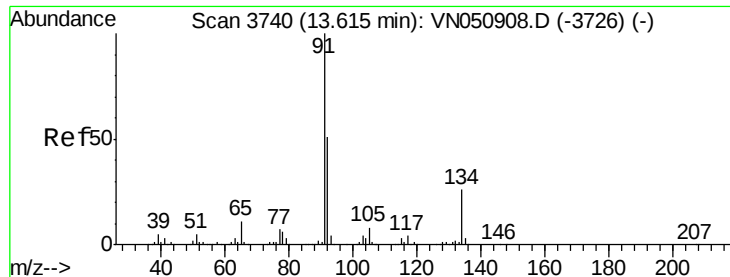
Tot Ion:146 Resp: 253491
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.6
 148 64.3 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 17.99 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion:146 Resp: 235093
 Ion Ratio Lower Upper
 146 100
 111 37.2 17.7 53.1
 148 64.7 31.6 94.8





#85

n-Butylbenzene

Concen: 18.13 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD02

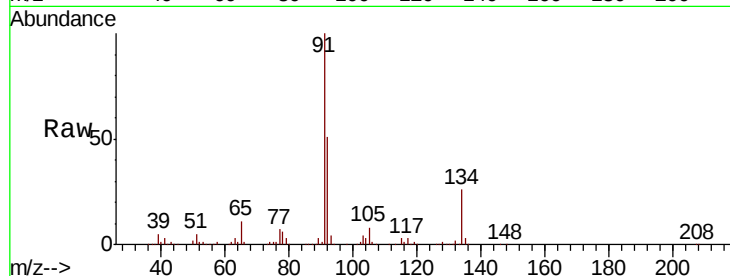
Tot Ion: 91 Resp: 343743

Ion Ratio Lower Upper

91 100

92 50.5 0.0 101.8

134 25.6 0.0 52.2

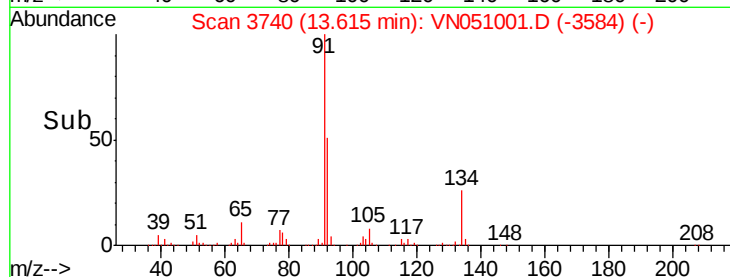


Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050908.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050908.D (-3726) (-)

Time-->

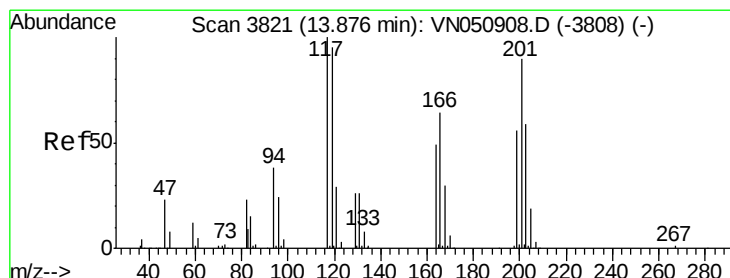


Abundance Ion 91.00 (90.70 to 91.70): VN051001.D (-3584) (-)

Ion 92.00 (91.70 to 92.70): VN051001.D (-3584) (-)

Ion 134.00 (133.70 to 134.70): VN051001.D (-3584) (-)

Time-->



#86

Hexachloroethane

Concen: 16.61 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN051001.D

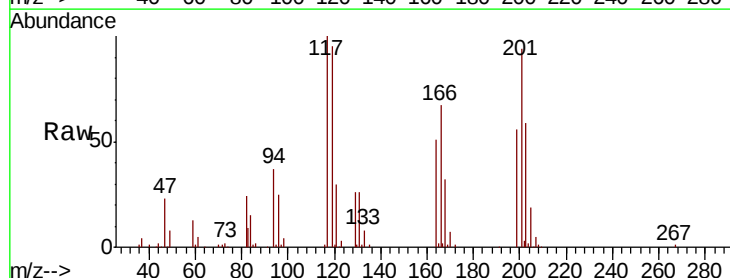
Acq: 31 Aug 2018 20:58

Tgt Ion: 117 Resp: 79211

Ion Ratio Lower Upper

117 100

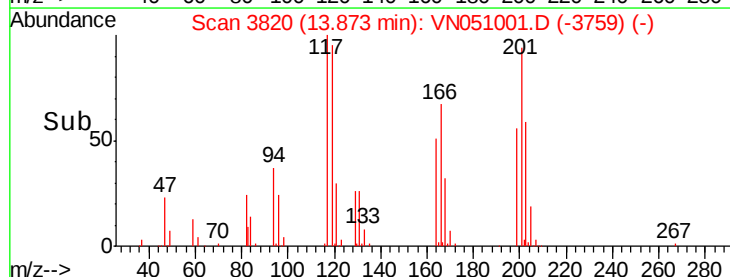
201 94.9 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN050908.D (-3808) (-)

Ion 201.00 (200.70 to 201.70): VN050908.D (-3808) (-)

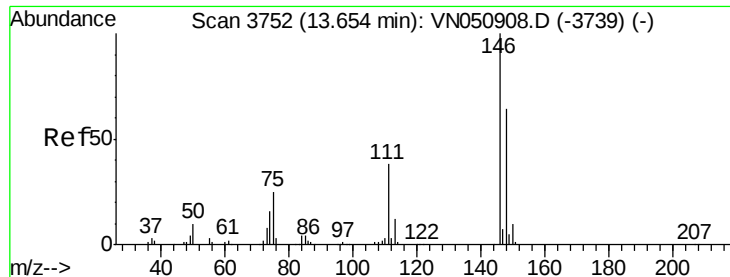
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN051001.D (-3759) (-)

Ion 201.00 (200.70 to 201.70): VN051001.D (-3759) (-)

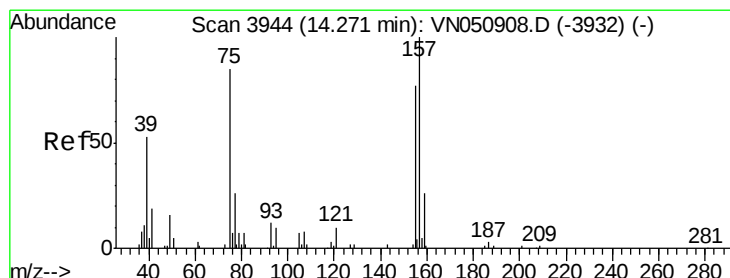
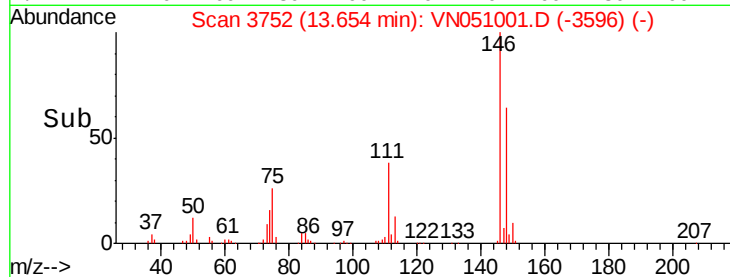
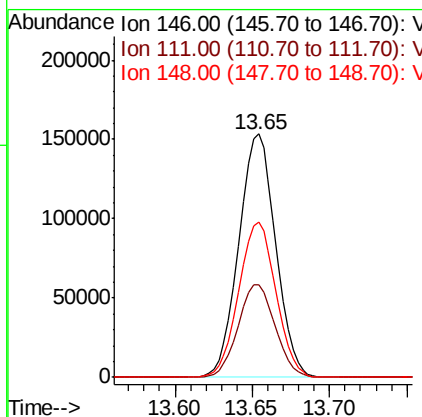
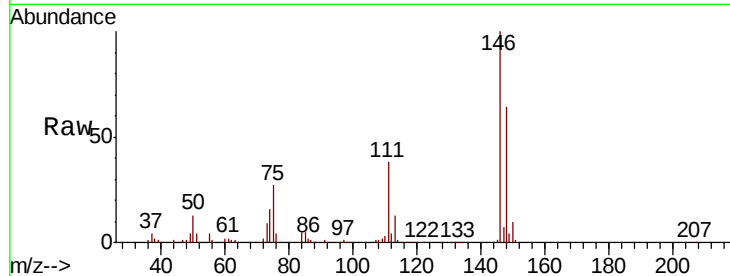
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 18.73 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

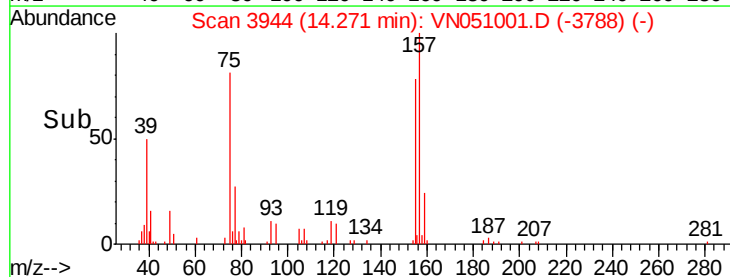
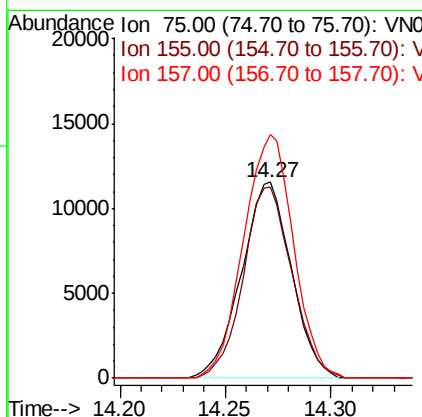
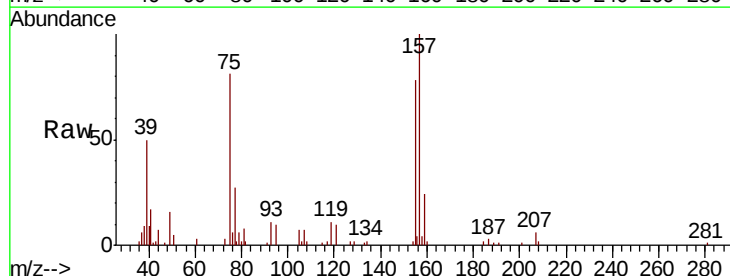
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

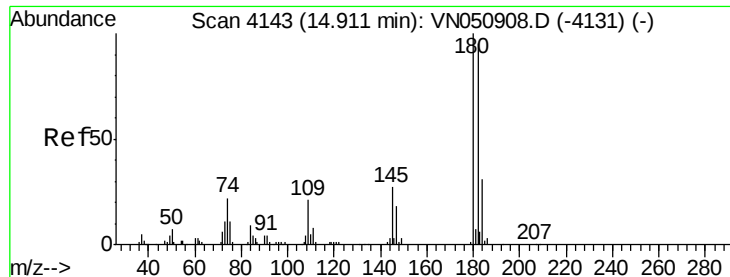
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.3	31.9	95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.22 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	71.8	107.6
157	124.3	91.1	136.7

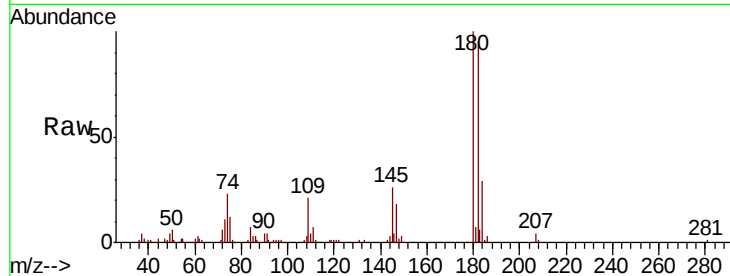




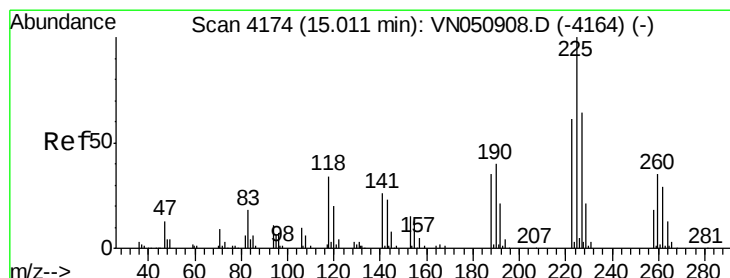
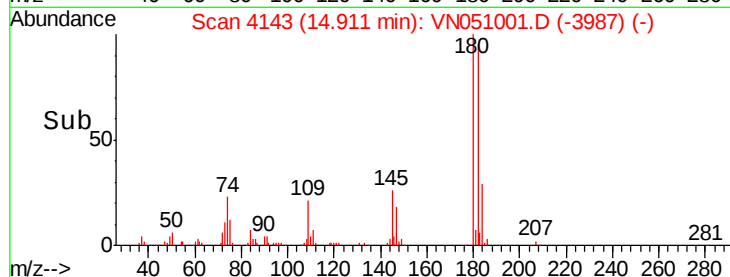
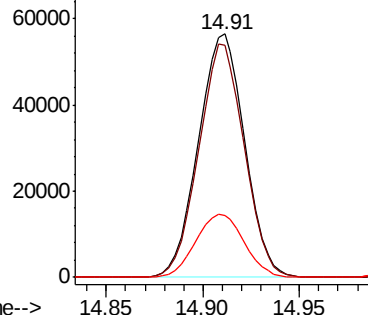
#89
 1,2,4-Trichlorobenzene
 Concen: 15.54 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD02

Tot Ion:180 Resp: 93902
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.2 114.4
 145 27.0 22.2 33.4

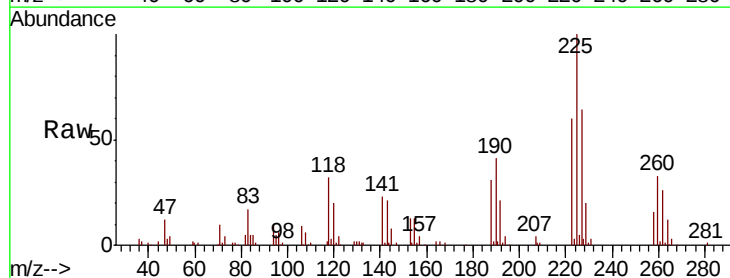


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

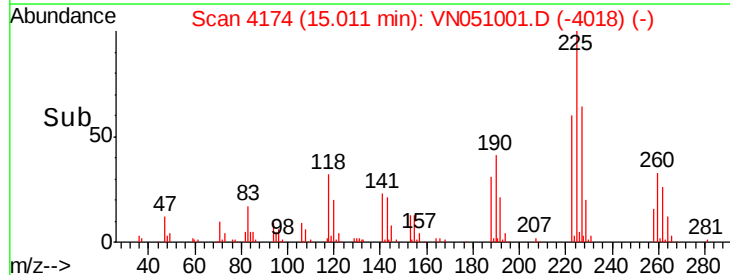
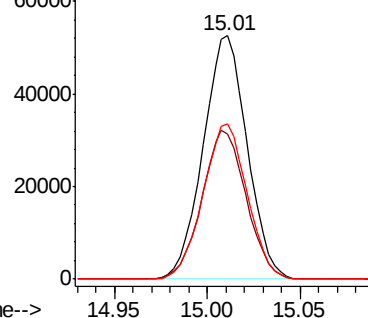


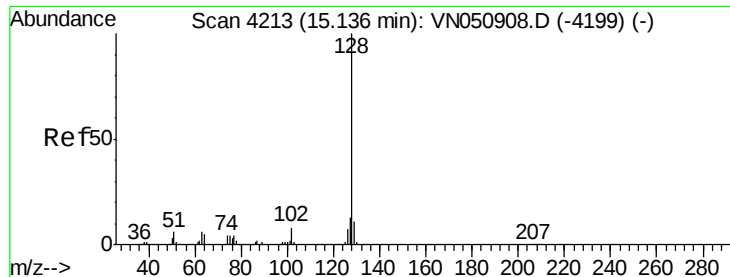
#90
 Hexachlorobutadiene
 Concen: 21.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051001.D
 Acq: 31 Aug 2018 20:58

Tgt Ion:225 Resp: 87090
 Ion Ratio Lower Upper
 225 100
 223 61.2 0.0 127.8
 227 63.7 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 17.46 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD02

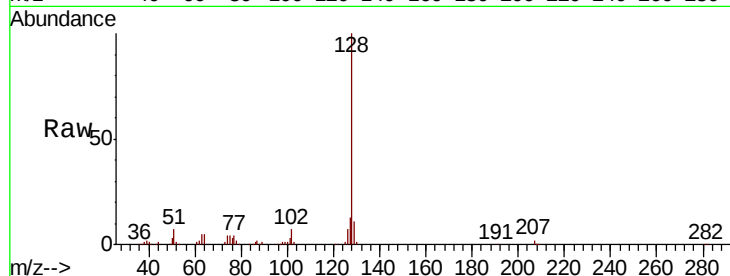
Tot Ion:128 Resp: 167709

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

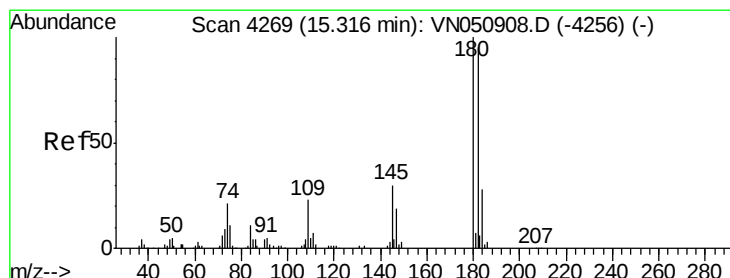
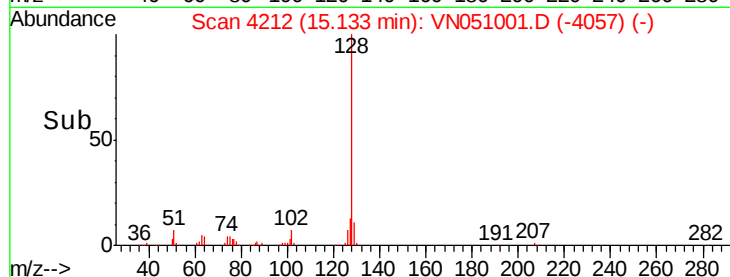
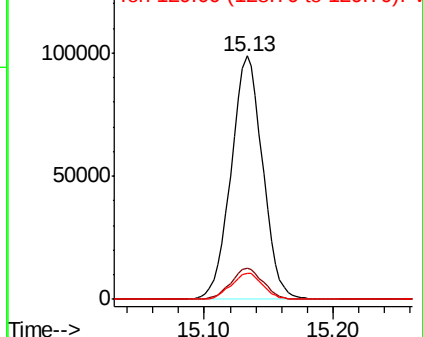
129 10.8 8.7 13.1



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: 16.33 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN051001.D

Acq: 31 Aug 2018 20:58

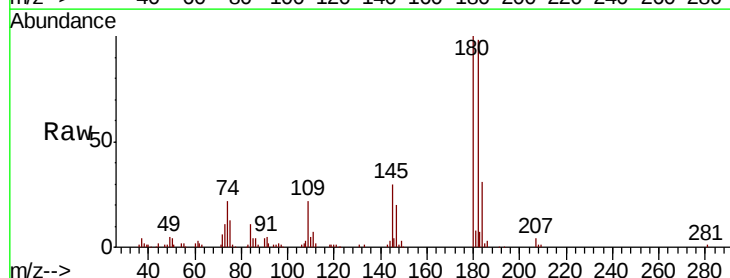
Tgt Ion:180 Resp: 99028

Ion Ratio Lower Upper

180 100

182 97.6 0.0 192.8

145 29.8 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

