

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052868.D
 Acq On : 13 Dec 2018 16:54
 Operator : MD\SY
 Sample : VN1213WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Quant Time: Dec 14 01:41:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1065252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1671736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1482962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	571380	50.44	ug/l	0.00
Spiked Amount						
			Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	466179	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
50) Toluene-d8	10.09	98	2023359	50.01	ug/l	0.00
Spiked Amount						
			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	693352	50.57	ug/l	0.00
Spiked Amount						
			Recovery	=	101.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	212848	19.410	ug/l	98
3) Chloromethane	2.06	50	258743	19.660	ug/l	99
4) Vinyl Chloride	2.19	62	261019	19.824	ug/l	99
5) Bromomethane	2.58	94	160686	19.786	ug/l	99
6) Chloroethane	2.71	64	153900	19.774	ug/l	99
7) Trichlorofluoromethane	3.03	101	323853	19.839	ug/l	99
8) Diethyl Ether	3.41	74	125461	21.069	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	197713	19.542	ug/l	98
10) Methyl Iodide	3.96	142	275811	19.467	ug/l	100
11) Tert butyl alcohol	4.77	59	60906	96.236	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	196294	20.043	ug/l	99
13) Acrolein	3.61	56	103722	174.070	ug/l	99
14) Allyl chloride	4.33	41	322234	20.144	ug/l	95
15) Acrylonitrile	4.99	53	353592	99.588	ug/l	99
16) Acetone	3.82	43	226835	89.169	ug/l	98
17) Carbon Disulfide	4.06	76	560683	18.636	ug/l	100
18) Methyl Acetate	4.33	43	175950	18.846	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	544850	20.492	ug/l	99
20) Methylene Chloride	4.55	84	224942	19.649	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	210732	19.860	ug/l	99
22) Diisopropyl ether	5.95	45	692879	20.303	ug/l	99
23) Vinyl Acetate	5.90	43	2034988	100.212	ug/l	99
24) 1,1-Dichloroethane	5.85	63	395915	20.117	ug/l	99
25) 2-Butanone	6.83	43	375844	95.217	ug/l	100
26) 2,2-Dichloropropane	6.83	77	259406	17.899	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	243453	20.216	ug/l	99
28) Bromochloromethane	7.20	49	176062	19.923	ug/l	97
29) Tetrahydrofuran	7.21	42	274025	101.690	ug/l	99
30) Chloroform	7.37	83	385200	20.072	ug/l	99
31) Cyclohexane	7.66	56	380099	19.449	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	317973	19.803	ug/l	99
36) 1,1-Dichloropropene	7.79	75	303156	19.692	ug/l	100
37) Ethyl Acetate	6.93	43	181141	19.587	ug/l	99
38) Carbon Tetrachloride	7.78	117	273173	19.278	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357354	18.916	ug/l	98
40) Benzene	8.04	78	921874	19.952	ug/l	98
41) Methacrylonitrile	7.18	41	102270	19.959	ug/l	95
42) 1,2-Dichloroethane	8.13	62	271129	19.492	ug/l	99
43) Isopropyl Acetate	8.16	43	339679	17.915	ug/l	99
44) Trichloroethene	8.84	130	247546	19.835	ug/l	97
45) 1,2-Dichloropropane	9.12	63	242892	20.070	ug/l	99
46) Dibromomethane	9.21	93	137393	19.576	ug/l	98
47) Bromodichloromethane	9.40	83	283320	19.466	ug/l	99
48) Methyl methacrylate	9.20	41	164480	19.781	ug/l	99
49) 1,4-Dioxane	9.20	88	38700	410.024	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	867937	99.827	ug/l	100
52) Toluene	10.16	92	567202	20.269	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	277406	18.941	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	334996	19.195	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200450	20.066	ug/l	98
56) Ethyl methacrylate	10.43	69	254183	19.827	ug/l	99
57) 1,3-Dichloropropane	10.71	76	342820	20.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	721518	100.865	ug/l	99
59) 2-Hexanone	10.75	43	571816	95.967	ug/l	99
60) Dibromochloromethane	10.90	129	205819	19.064	ug/l	100
61) 1,2-Dibromoethane	11.01	107	197879	20.040	ug/l	99
64) Tetrachloroethene	10.63	164	255349	20.034	ug/l	99
65) Chlorobenzene	11.43	112	615007	19.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208746	19.509	ug/l	100
67) Ethyl Benzene	11.51	91	1059366	20.051	ug/l	99
68) m/p-Xylenes	11.62	106	801023	40.376	ug/l	99
69) o-Xylene	11.95	106	391854	20.227	ug/l	100
70) Styrene	11.96	104	639657	20.540	ug/l	100
71) Bromoform	12.13	173	135985	18.707	ug/l #	100
73) Isopropylbenzene	12.25	105	1043969	20.348	ug/l	99
74) N-amyl acetate	12.07	43	276648	19.640	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	226169	19.669	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	282675	27.882	ug/l #	100
77) Bromobenzene	12.53	156	262870	20.144	ug/l	98
78) n-propylbenzene	12.59	91	1168445	19.969	ug/l	99
79) 2-Chlorotoluene	12.67	91	694047	20.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	840762	20.300	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54246	17.189	ug/l	94
82) 4-Chlorotoluene	12.77	91	698286	19.743	ug/l	99
83) tert-Butylbenzene	12.99	119	742742	20.329	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	841018	20.058	ug/l	100
85) sec-Butylbenzene	13.17	105	987321	19.954	ug/l	100
86) p-Isopropyltoluene	13.29	119	852481	19.887	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	463733	19.997	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	450076	19.598	ug/l	99
89) n-Butylbenzene	13.62	91	689387	19.103	ug/l	99
90) Hexachloroethane	13.88	117	129732	18.073	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	441888	19.809	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32529	18.767	ug/l	98

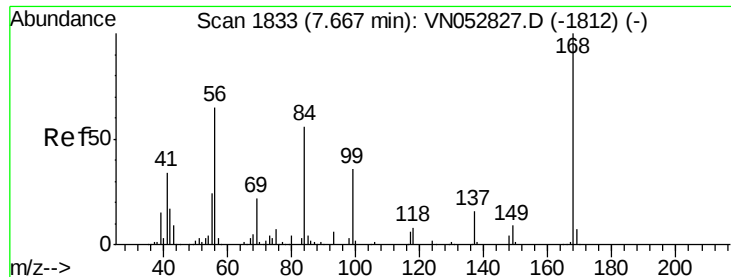
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236433	19.498	ug/l	99
94) Hexachlorobutadiene	15.01	225	135885	19.361	ug/l	99
95) Naphthalene	15.13	128	507654	20.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	217600	19.557	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

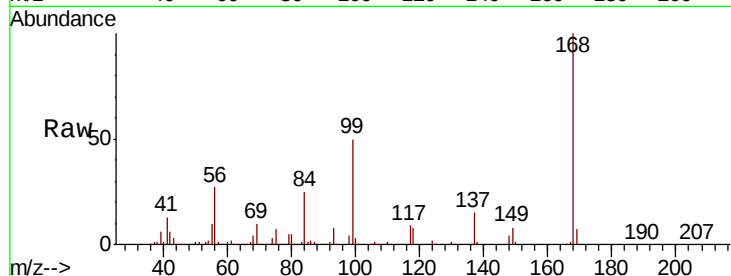
VN1213WBSD01

Tot Ion:168 Resp: 1065252

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

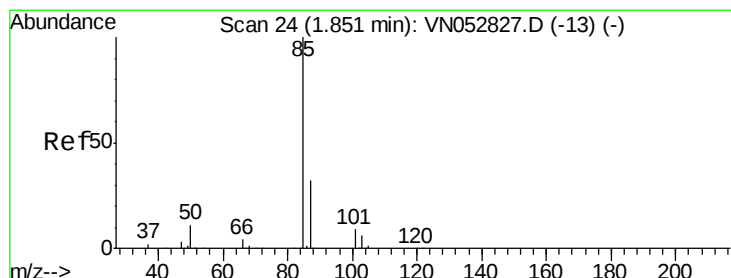
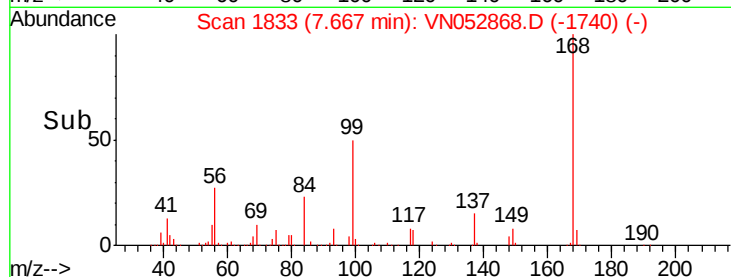
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.410 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052868.D

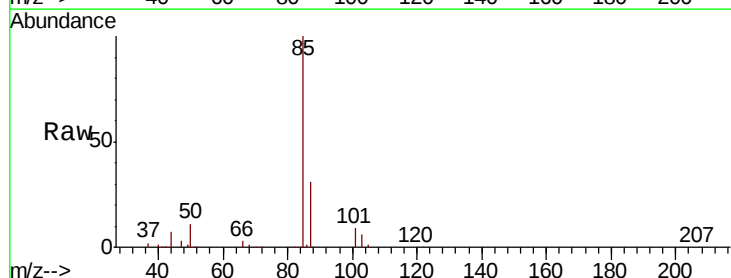
Acq: 13 Dec 2018 16:54

Tgt Ion: 85 Resp: 212848

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

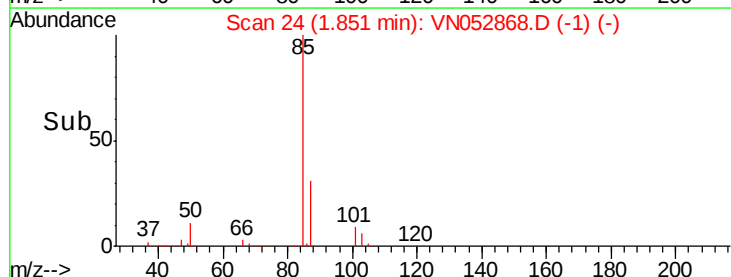
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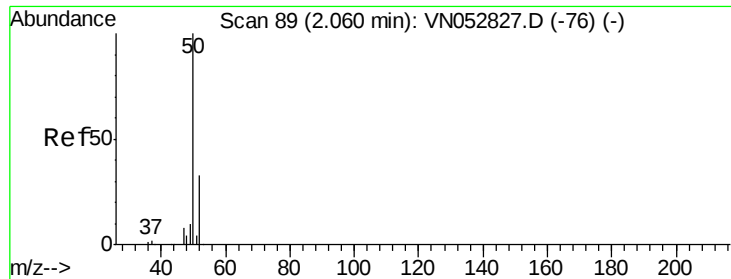
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.660 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

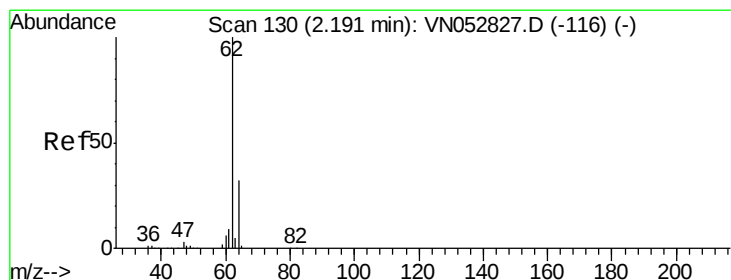
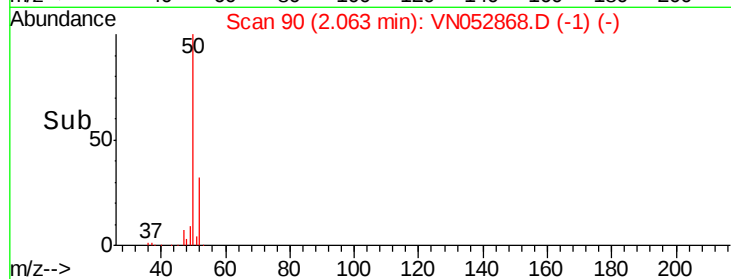
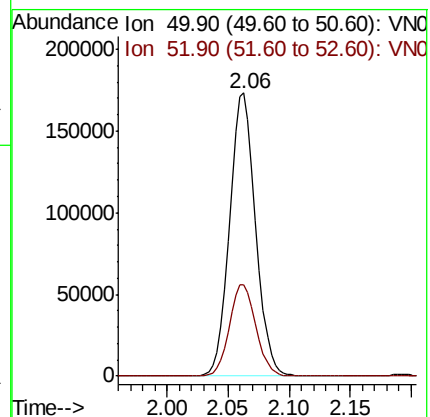
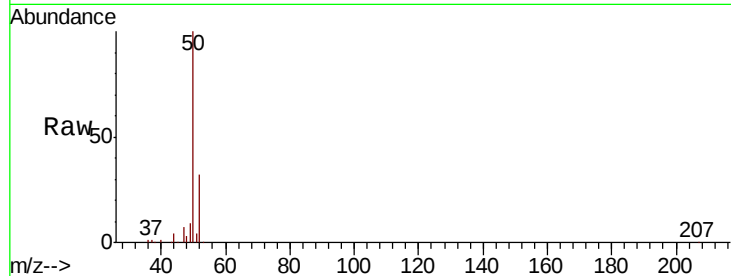
VN1213WBSD01

Tot Ion: 50 Resp: 258743

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



#4

Vinyl Chloride

Concen: 19.824 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052868.D

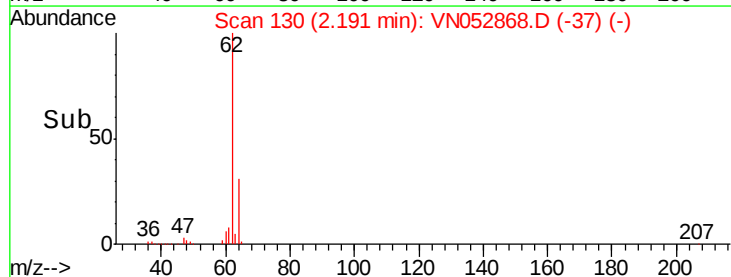
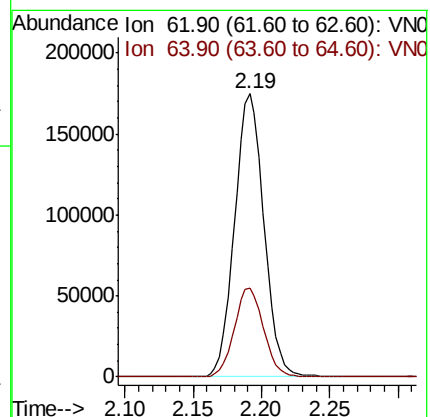
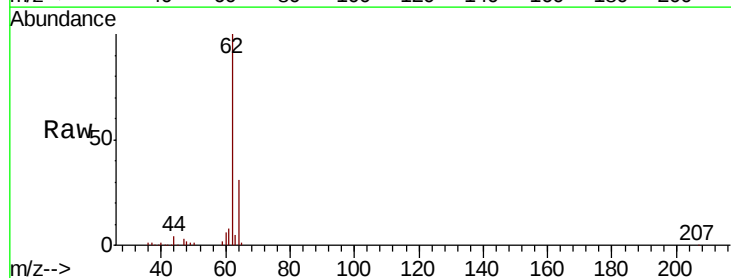
Acq: 13 Dec 2018 16:54

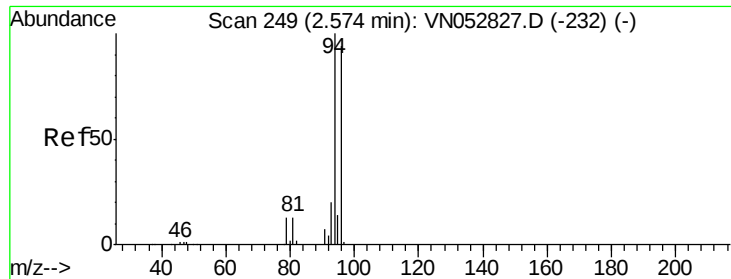
Tgt Ion: 62 Resp: 261019

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 19.786 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

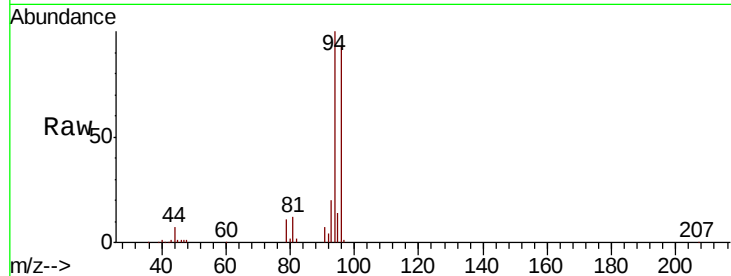
VN1213WBSD01

Tot Ion: 94 Resp: 160686

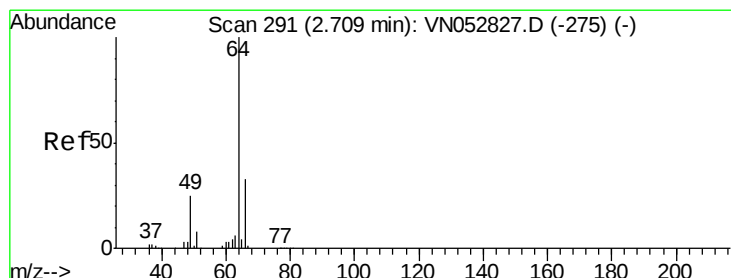
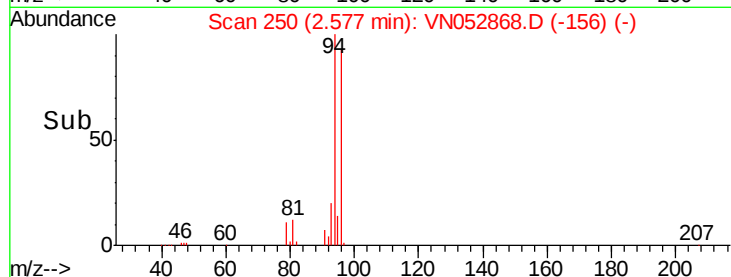
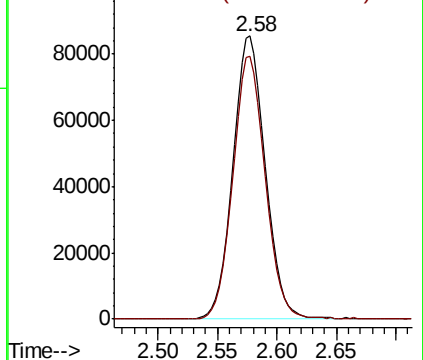
Ion Ratio Lower Upper

94 100

96 92.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.774 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052868.D

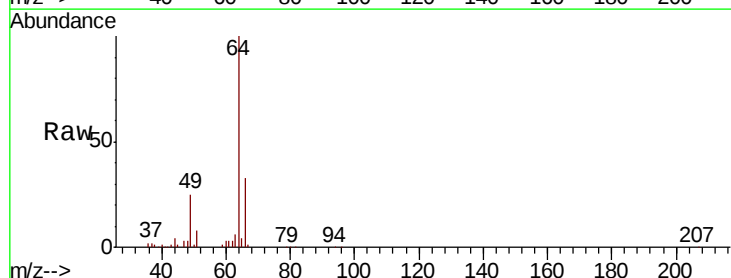
Acq: 13 Dec 2018 16:54

Tgt Ion: 64 Resp: 153900

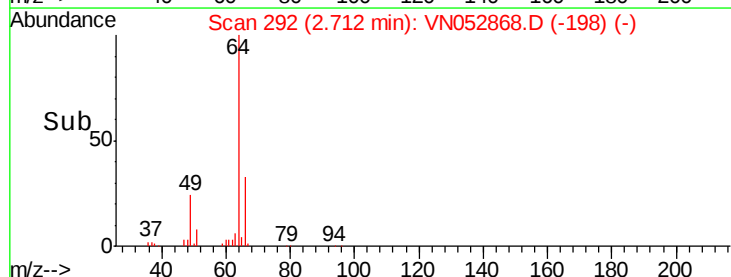
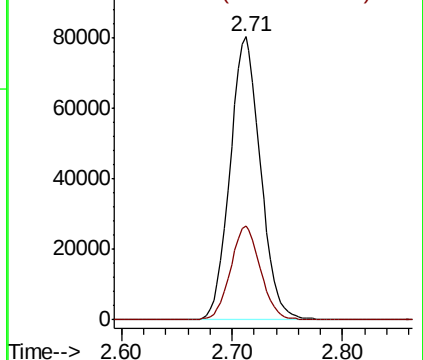
Ion Ratio Lower Upper

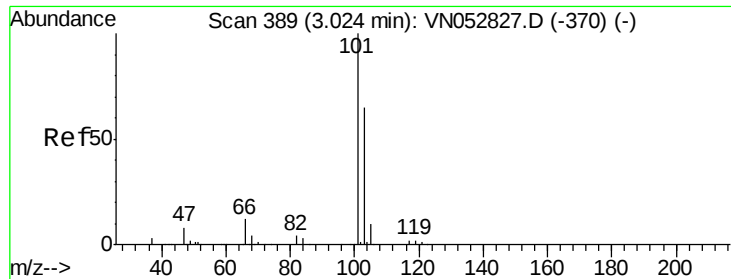
64 100

66 33.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



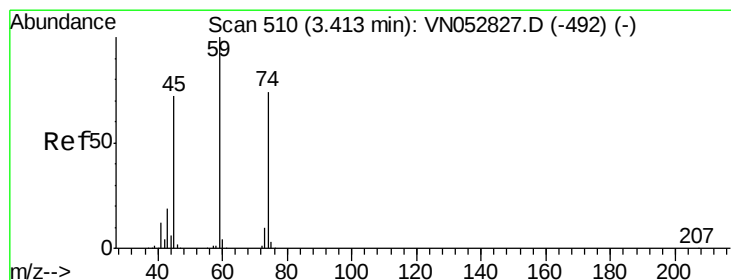
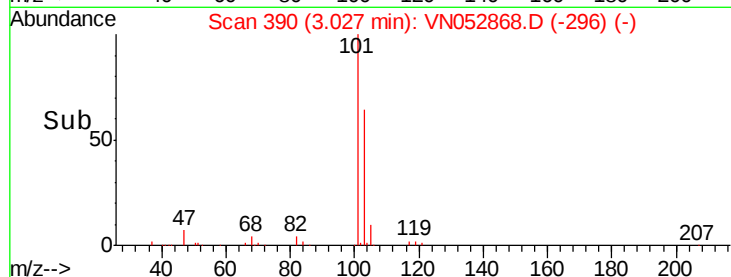
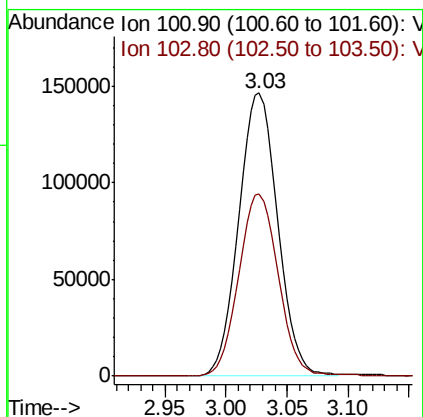
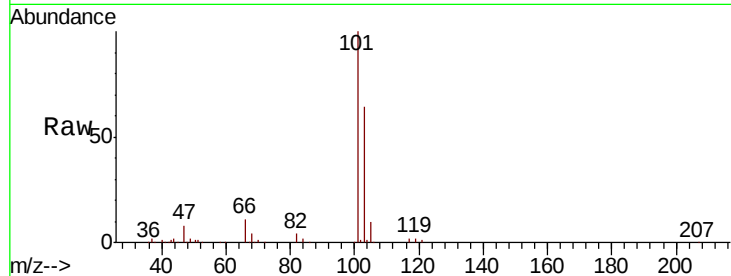


#7

Trichlorofluoromethane
 Concen: 19.839 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

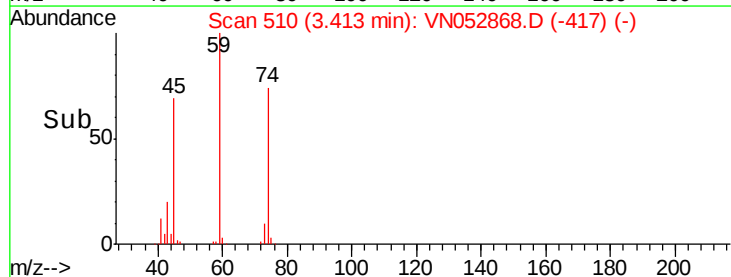
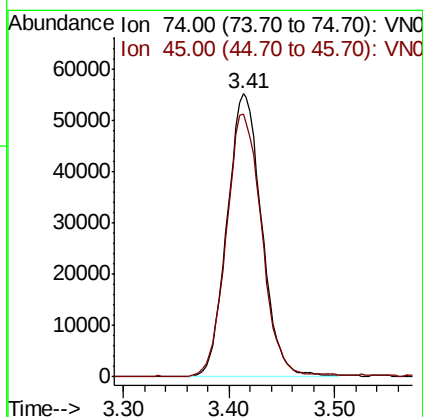
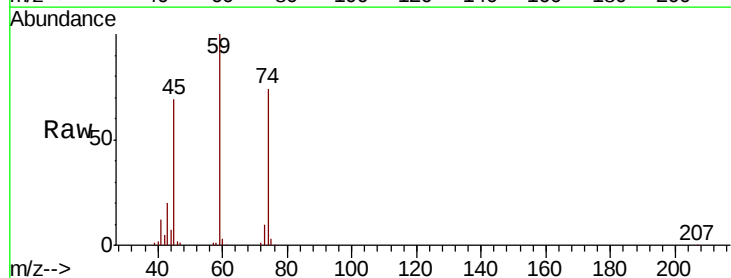
Tot Ion:101 Resp: 323853
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.6

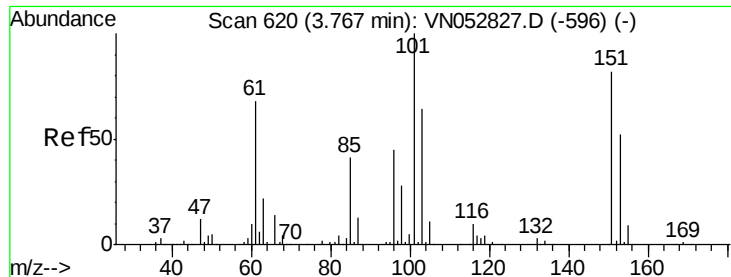


#8

Diethyl Ether
 Concen: 21.069 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 74 Resp: 125461
 Ion Ratio Lower Upper
 74 100
 45 94.9 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.542 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

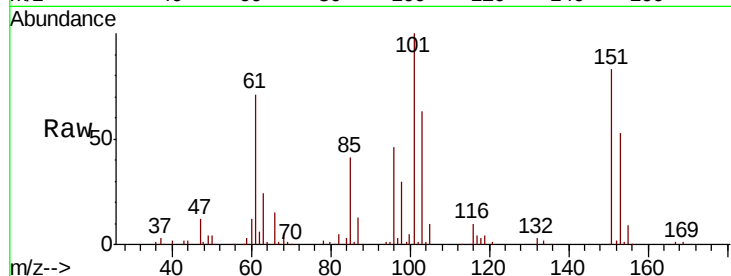
Tot Ion:101 Resp: 197713

Ion Ratio Lower Upper

101 100

85 41.9 33.6 50.4

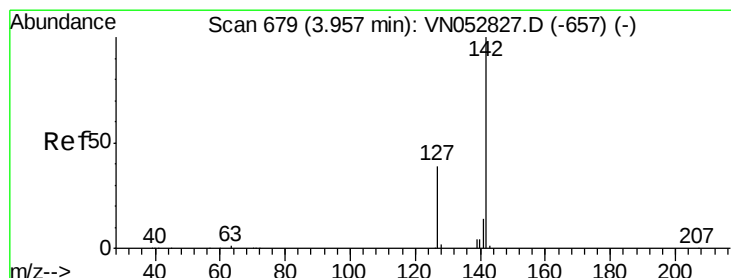
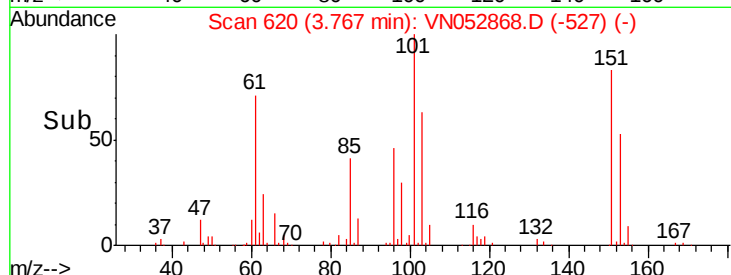
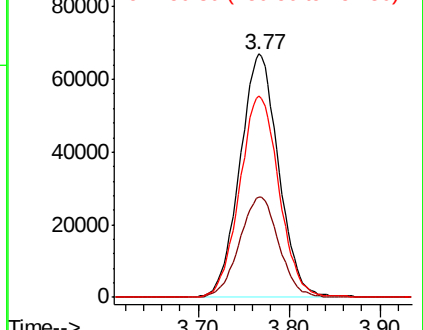
151 84.2 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.467 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

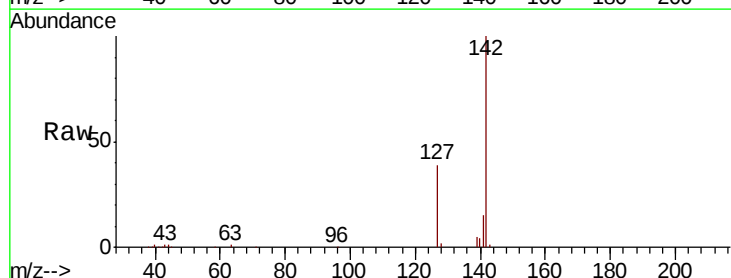
Tgt Ion:142 Resp: 275811

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.6

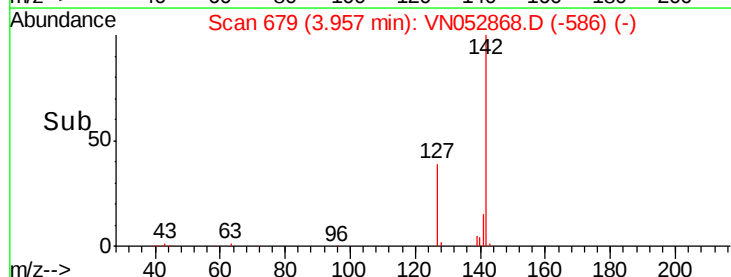
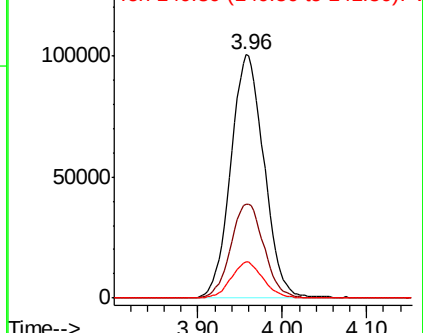
141 14.3 11.2 16.8

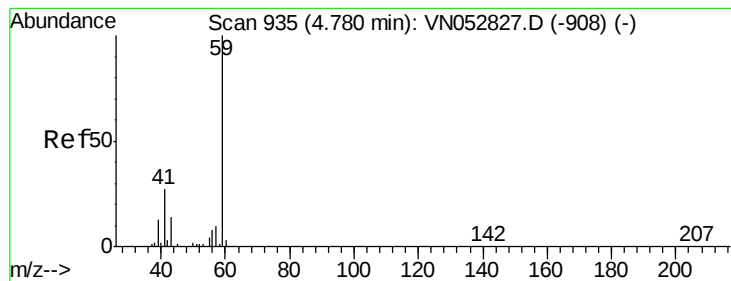


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.236 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

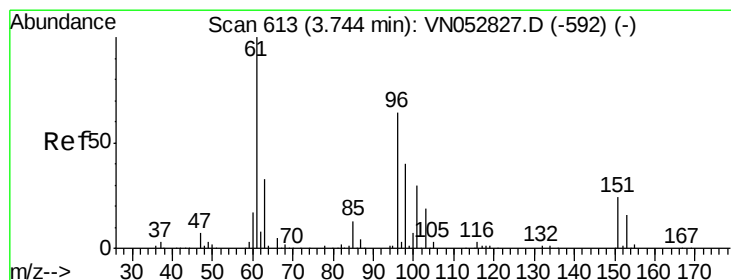
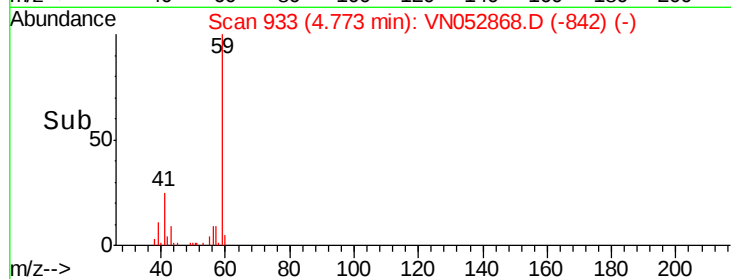
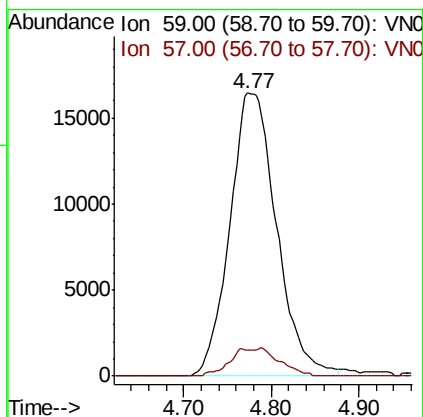
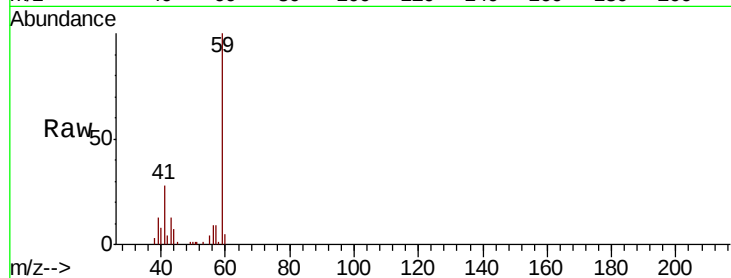
VN1213WBSD01

Tot Ion: 59 Resp: 60906

Ion Ratio Lower Upper

59 100

57 5.5 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 20.043 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

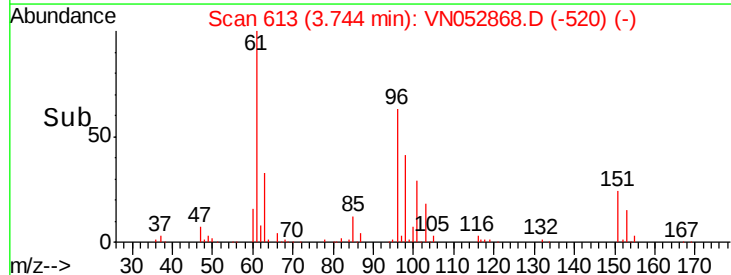
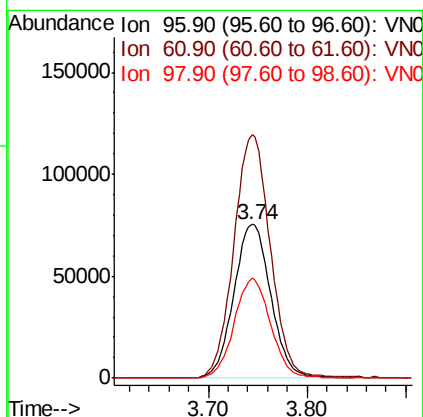
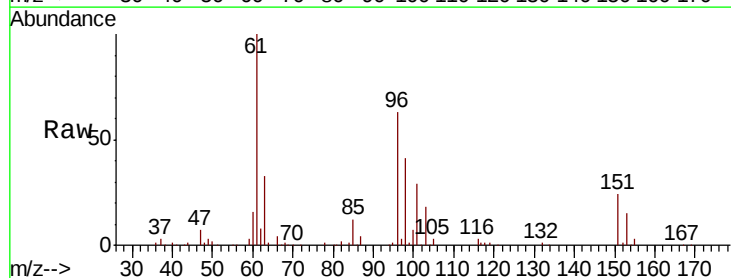
Tgt Ion: 96 Resp: 196294

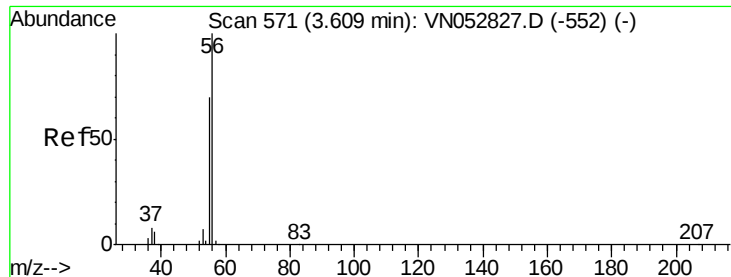
Ion Ratio Lower Upper

96 100

61 158.2 125.6 188.4

98 64.8 50.6 75.8





#13

Acrolein

Concen: 174.070 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

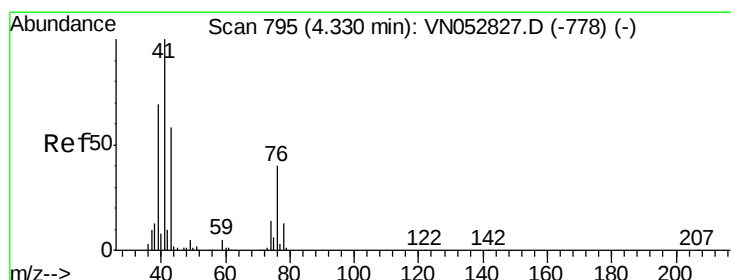
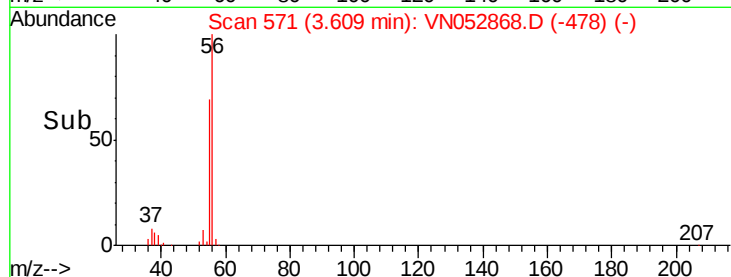
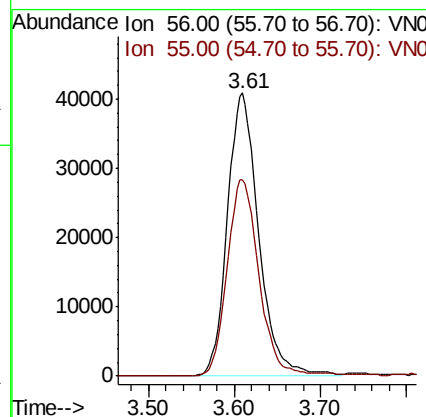
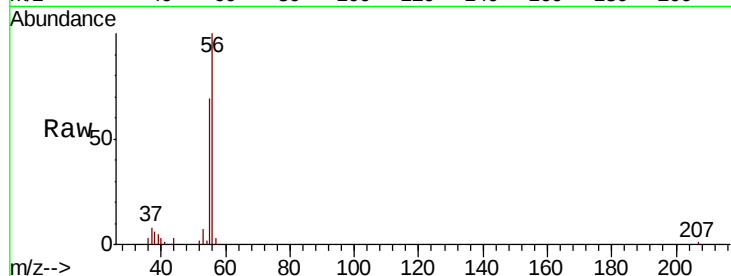
VN1213WBSD01

Tot Ion: 56 Resp: 103722

Ion Ratio Lower Upper

56 100

55 70.1 56.6 85.0



#14

Allyl chloride

Concen: 20.144 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

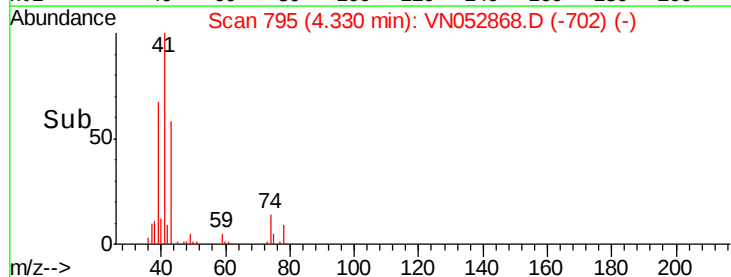
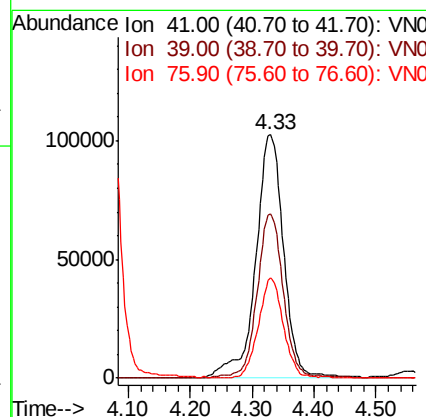
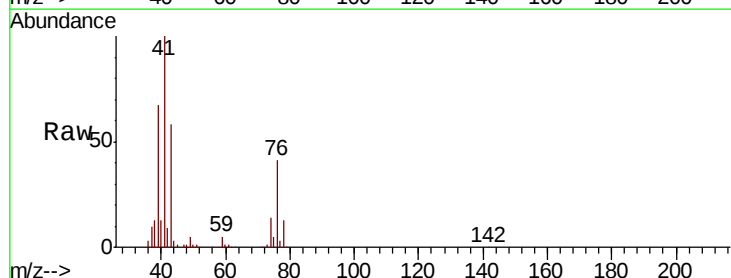
Tgt Ion: 41 Resp: 322234

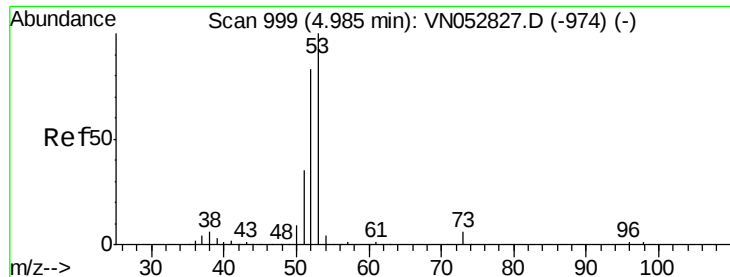
Ion Ratio Lower Upper

41 100

39 62.8 54.1 81.1

76 35.6 30.3 45.5





#15

Acrylonitrile

Concen: 99.588 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampled :

VN1213WBSD01

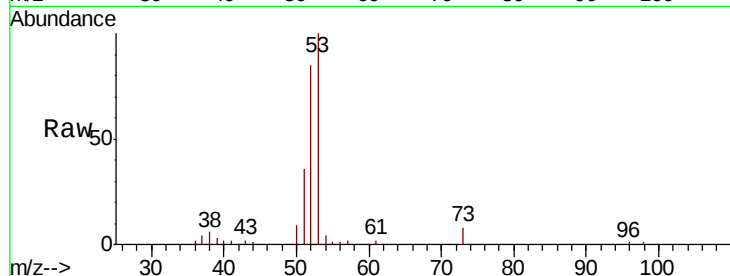
Tot Ion: 53 Resp: 353592

Ion Ratio Lower Upper

53 100

52 81.6 65.1 97.7

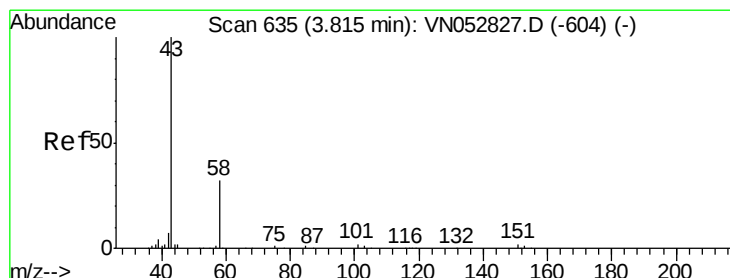
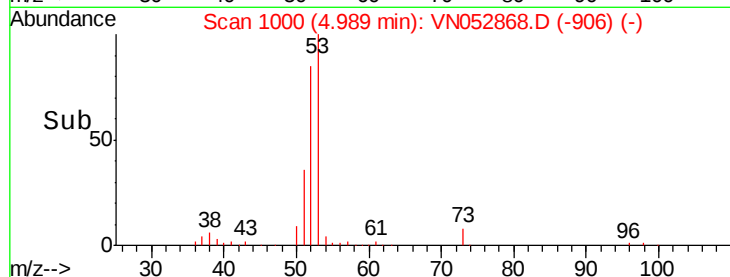
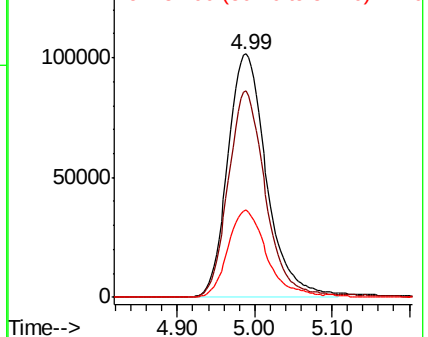
51 35.9 28.1 42.1



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



#16

Acetone

Concen: 89.169 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052868.D

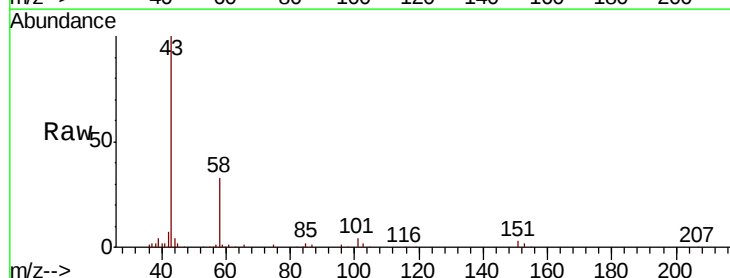
Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 226835

Ion Ratio Lower Upper

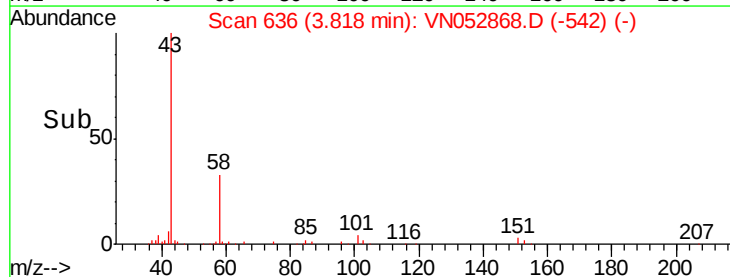
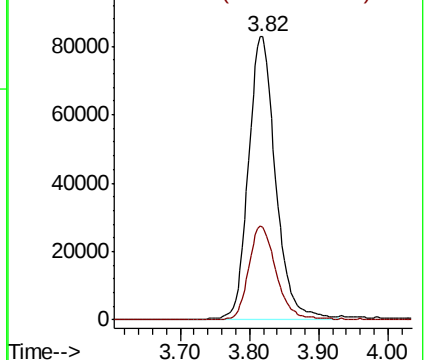
43 100

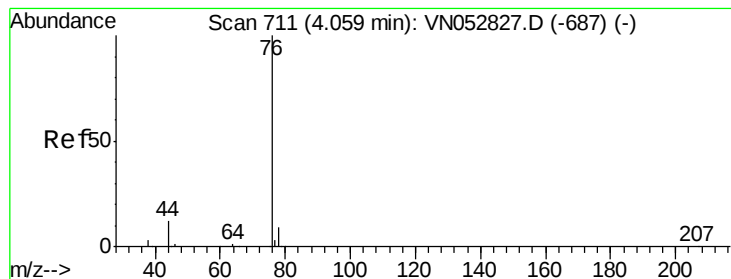
58 32.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.636 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

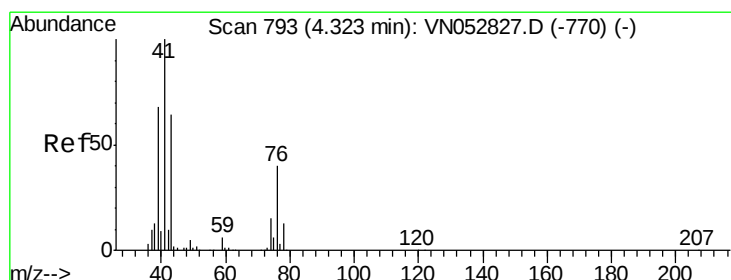
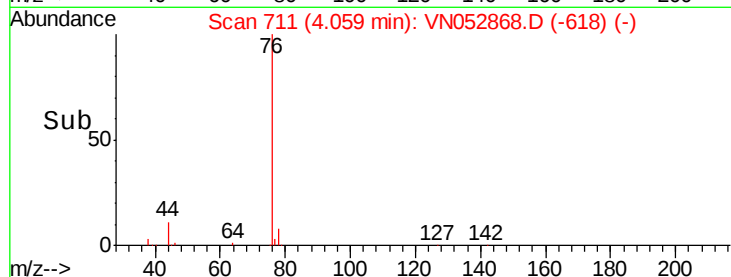
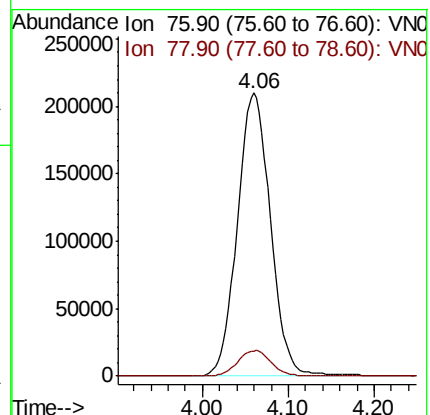
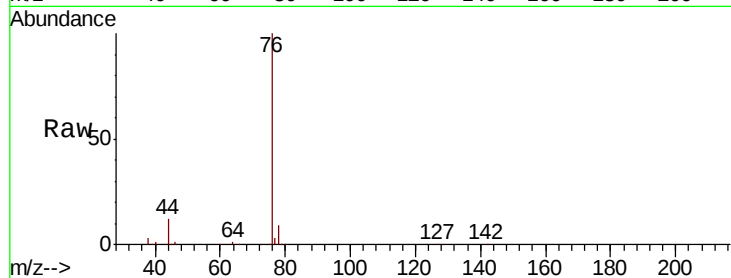
VN1213WBSD01

Tot Ion: 76 Resp: 560683

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 18.846 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052868.D

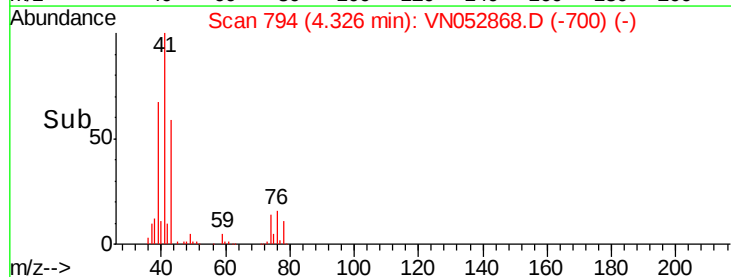
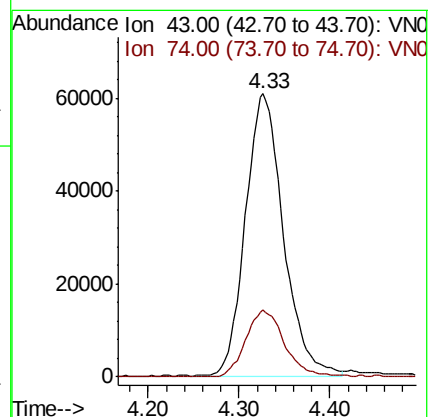
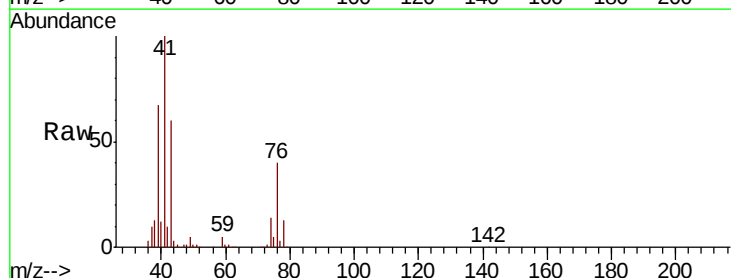
Acq: 13 Dec 2018 16:54

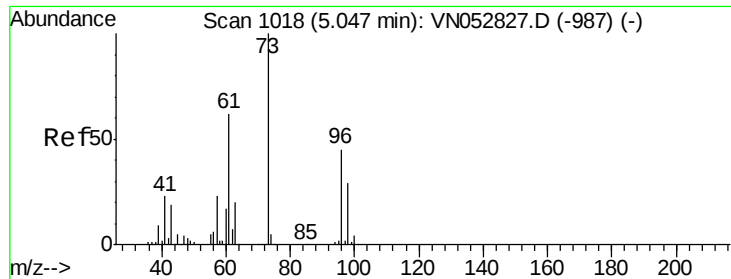
Tgt Ion: 43 Resp: 175950

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8

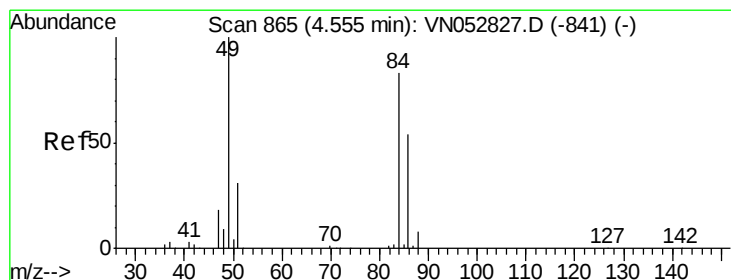
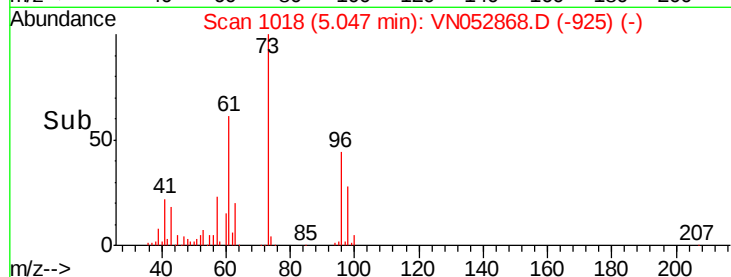
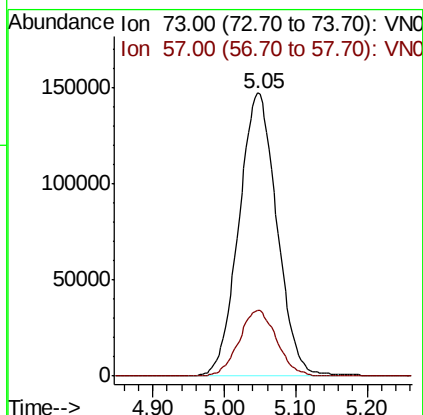
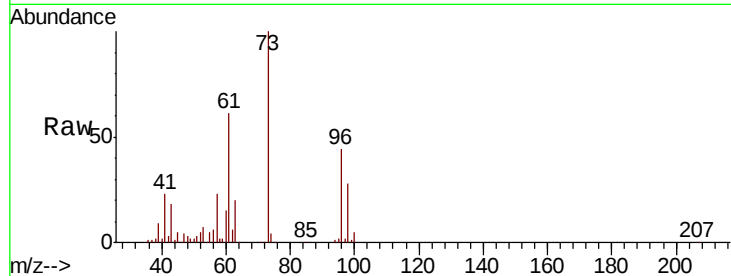




#19
Methvl tert-butvl Ether
Concen: 20.492 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

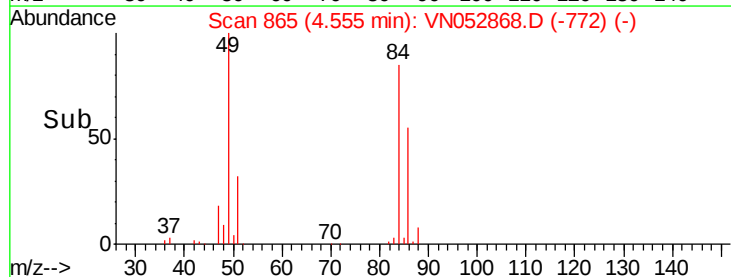
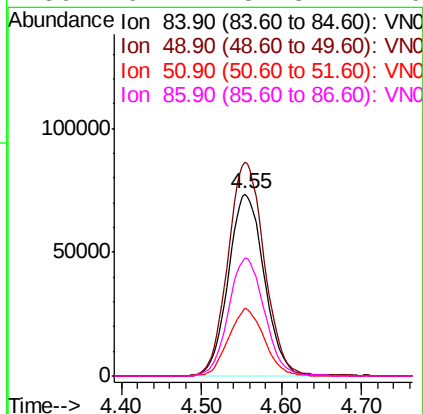
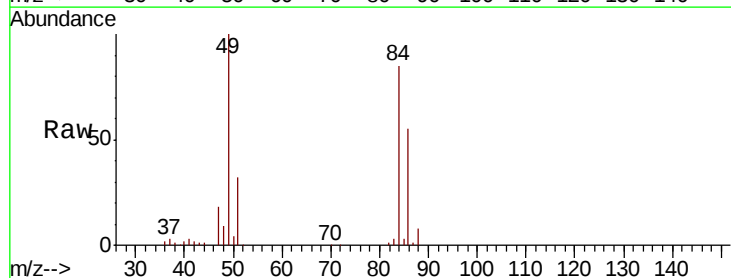
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

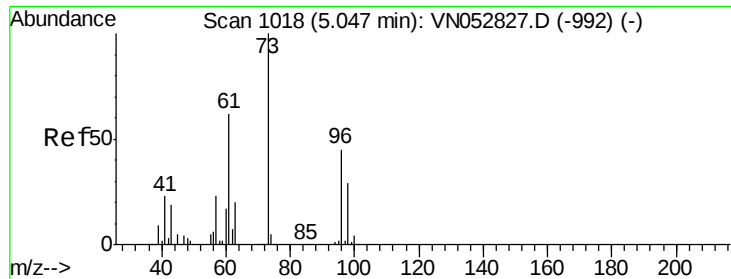
Tot Ion: 73 Resp: 544850
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 19.649 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 84 Resp: 224942
Ion Ratio Lower Upper
84 100
49 116.9 96.8 145.2
51 36.9 29.9 44.9
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.860 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

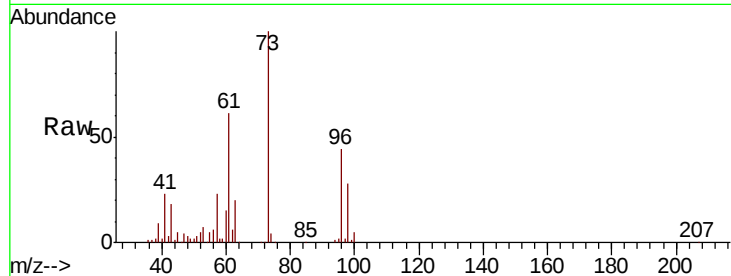
Tot Ion: 96 Resp: 210732

Ion Ratio Lower Upper

96 100

61 138.4 110.8 166.2

98 62.8 51.4 77.2

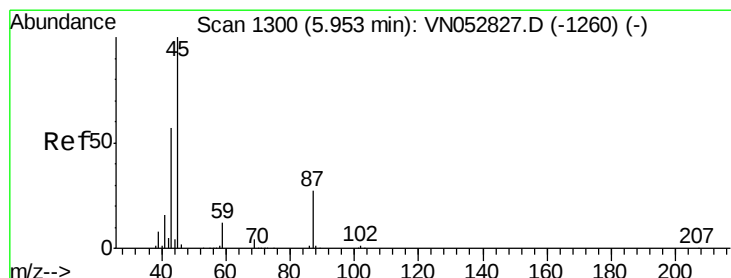
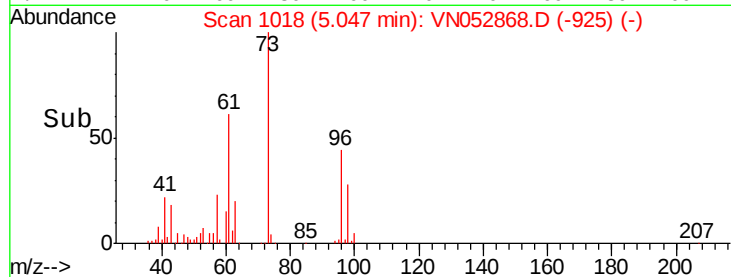
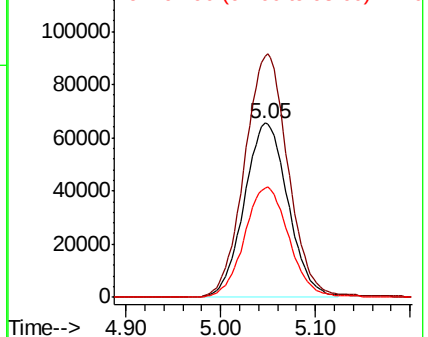


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.303 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Tgt Ion: 45 Resp: 692879

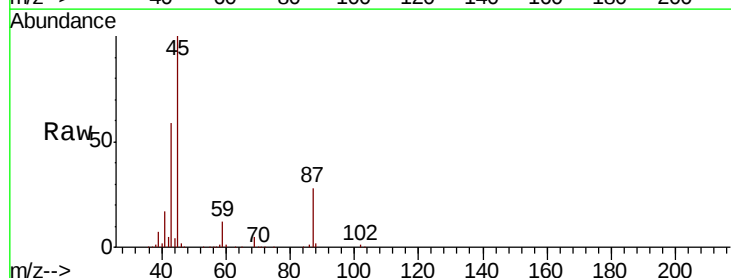
Ion Ratio Lower Upper

45 100

43 58.0 45.5 68.3

87 28.4 22.0 33.0

59 12.0 9.4 14.0



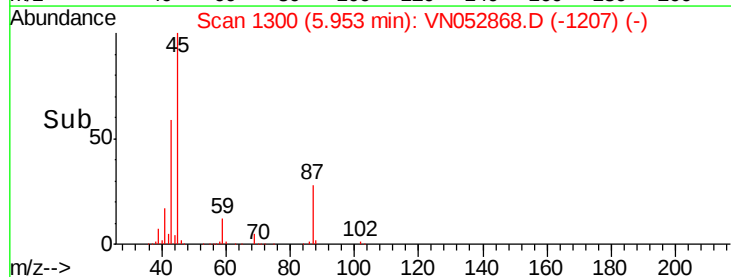
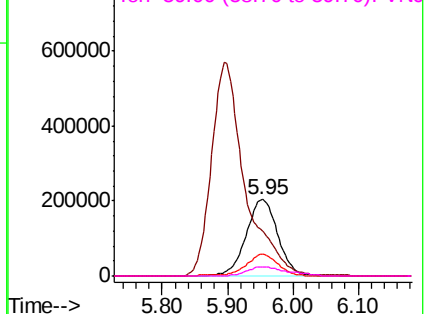
Abundance

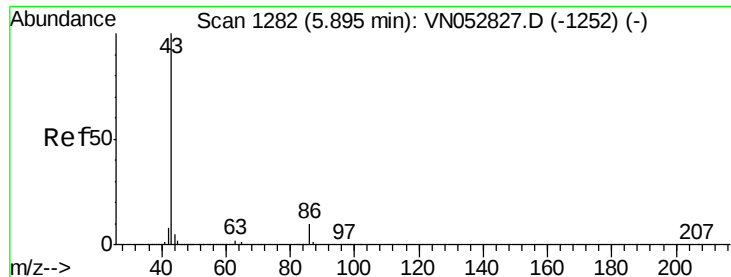
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.212 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

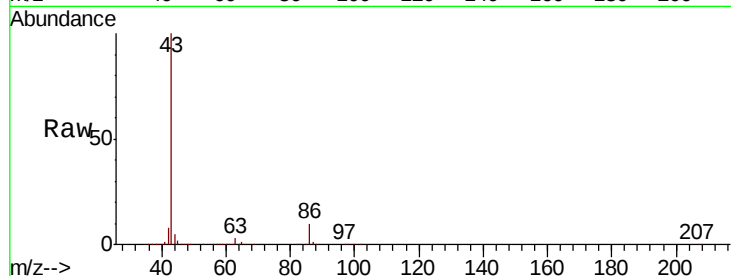
VN1213WBSD01

Tot Ion: 43 Resp: 2034988

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

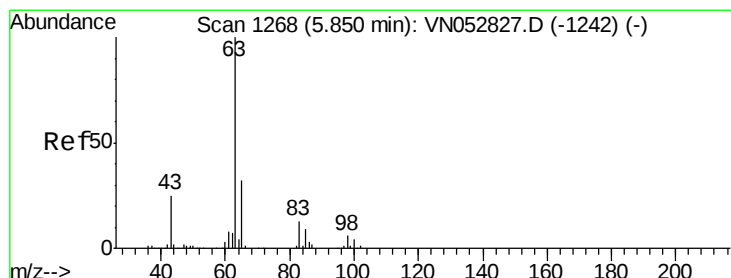
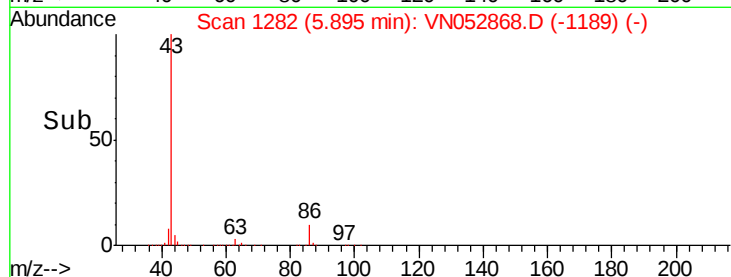
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.117 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

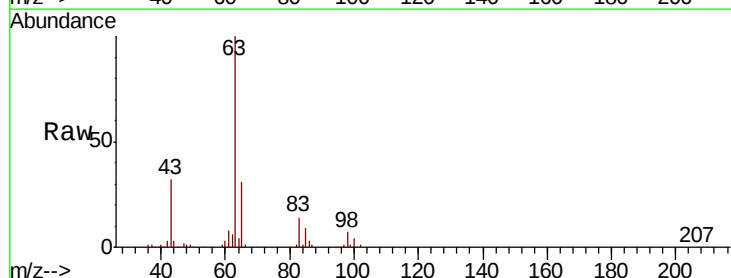
Tgt Ion: 63 Resp: 395915

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

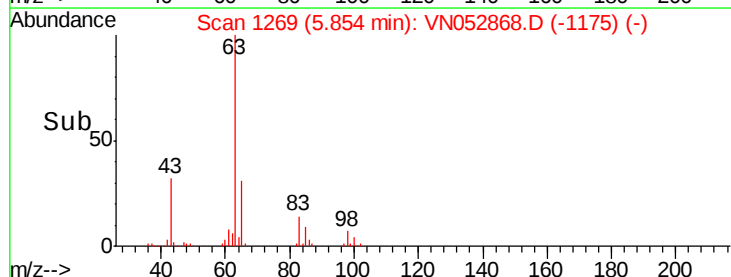
150000

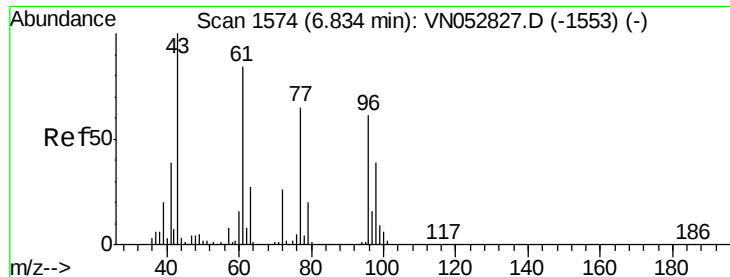
100000

50000

0

Time-->

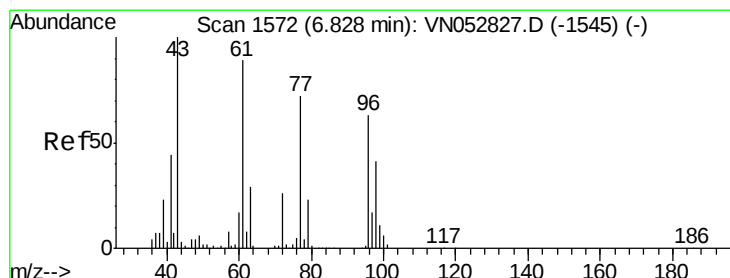
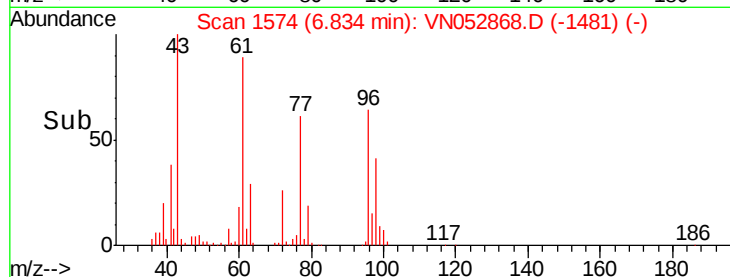
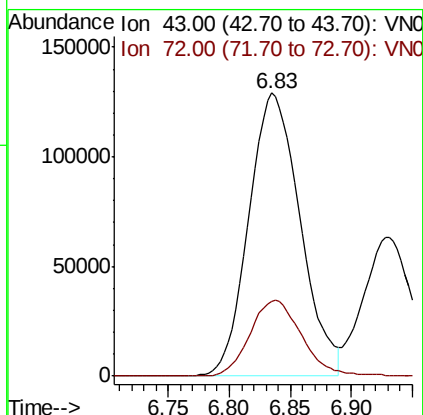
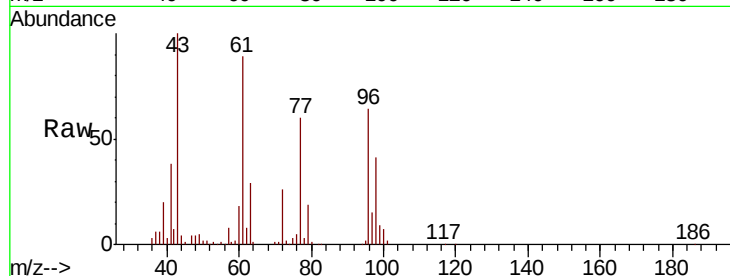




#25
 2-Butanone
 Concen: 95.217 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

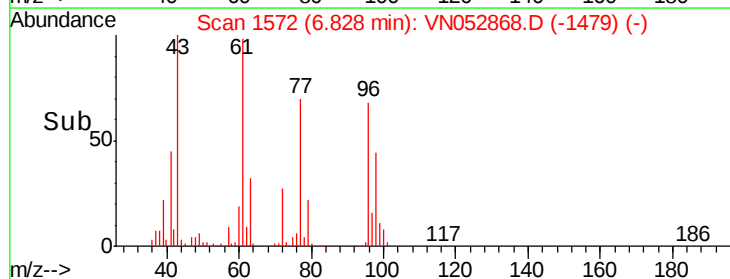
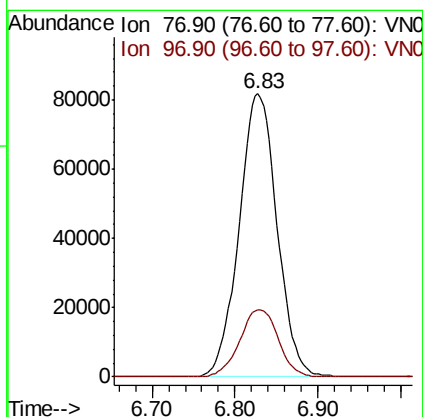
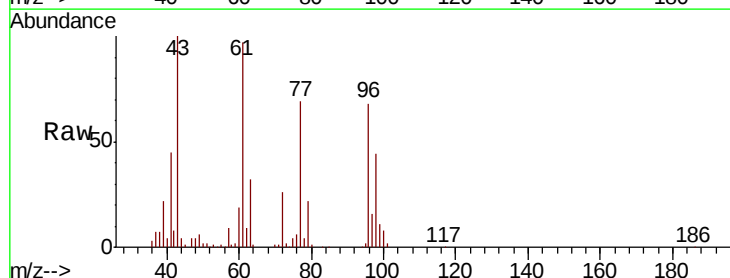
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1213WBSD01

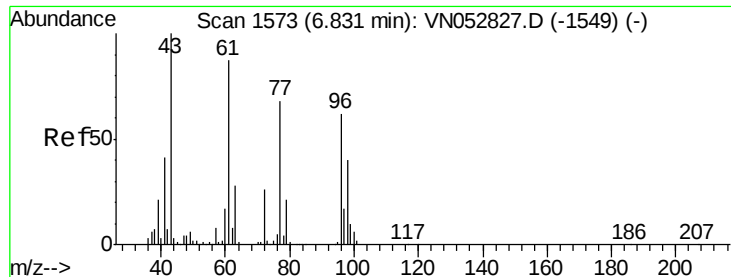
Tot Ion: 43 Resp: 375844
 Ion Ratio Lower Upper
 43 100
 72 26.3 21.0 31.6



#26
 2,2-Dichloropropane
 Concen: 17.899 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 77 Resp: 259406
 Ion Ratio Lower Upper
 77 100
 97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.216 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

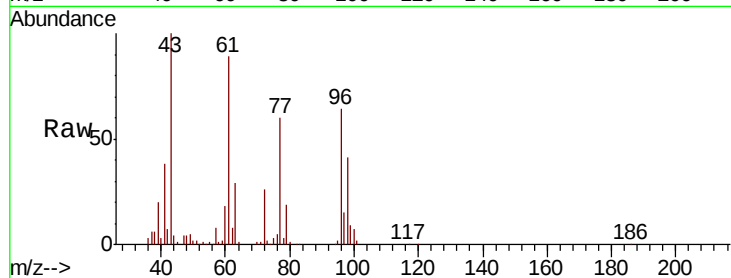
Tot Ion: 96 Resp: 243453

Ion Ratio Lower Upper

96 100

61 140.1 0.0 284.2

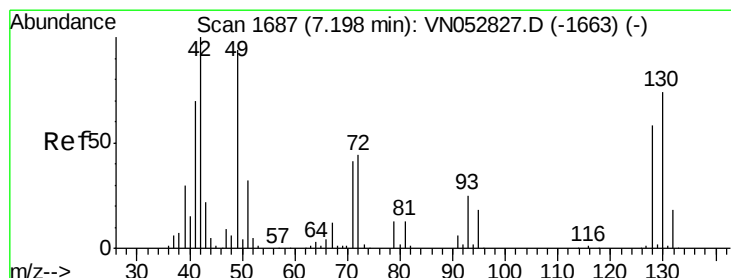
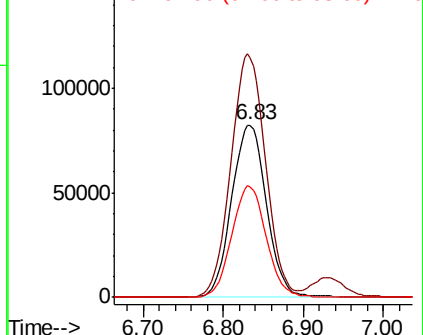
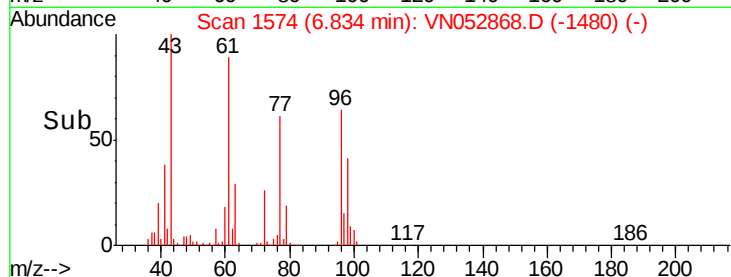
98 63.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.923 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

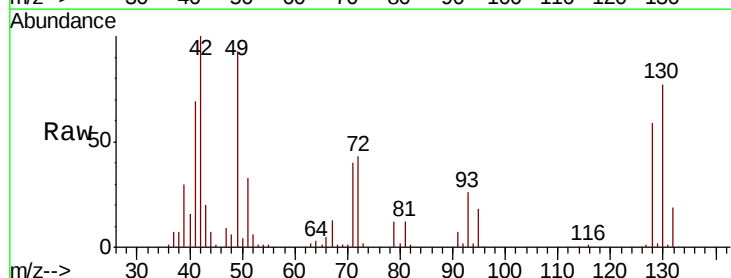
Tgt Ion: 49 Resp: 176062

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

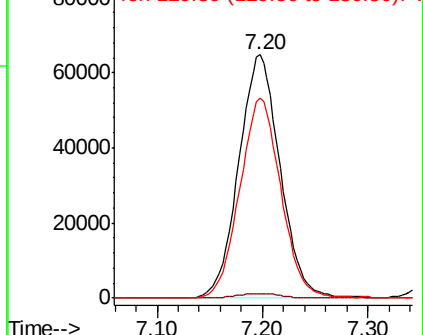
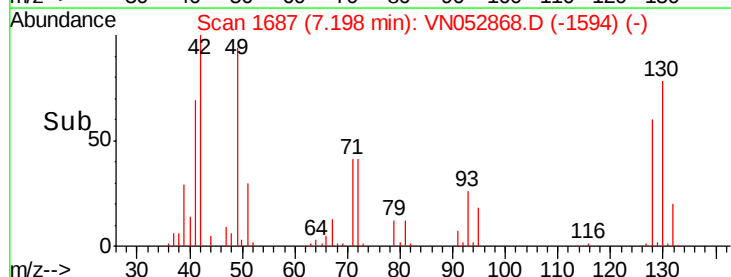
130 81.9 63.3 94.9

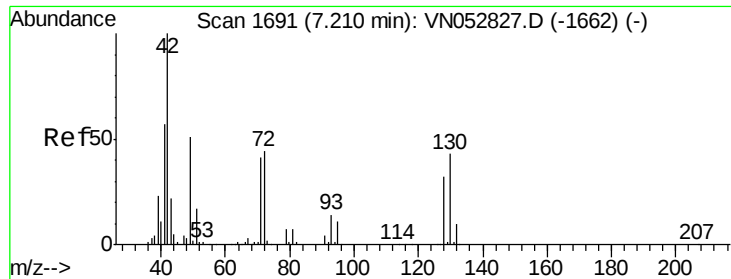


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

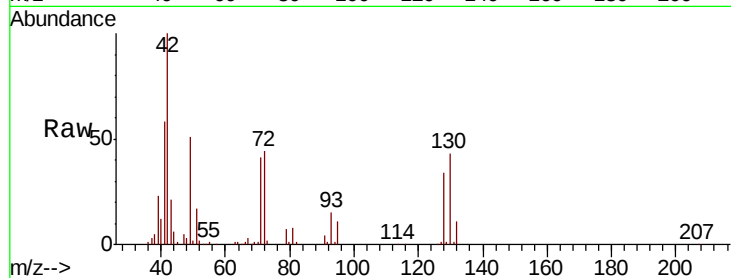




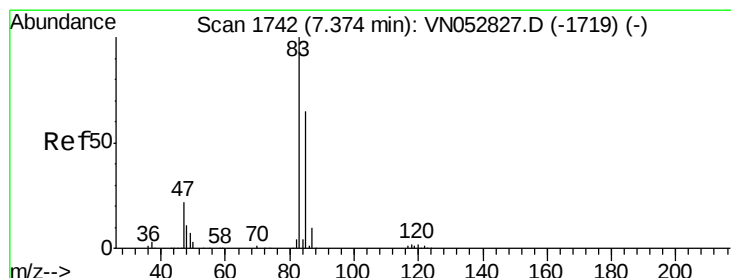
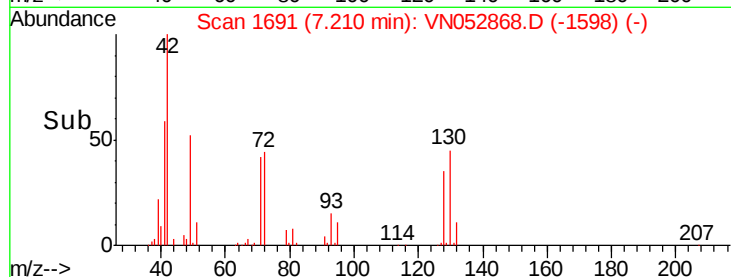
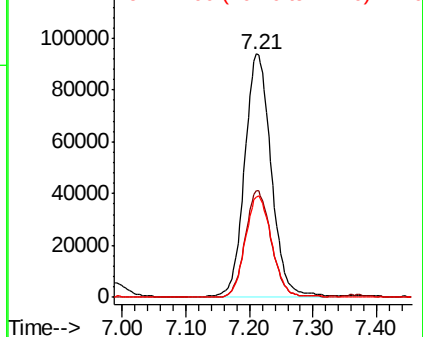
#29
Tetrahydrofuran
Concen: 101.690 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tot Ion: 42 Resp: 274025
Ion Ratio Lower Upper
42 100
72 42.4 34.7 52.1
71 41.3 32.3 48.5

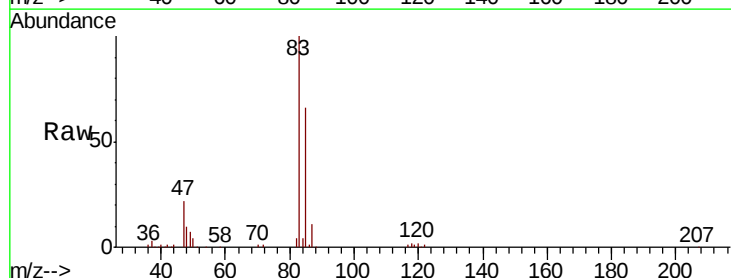


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

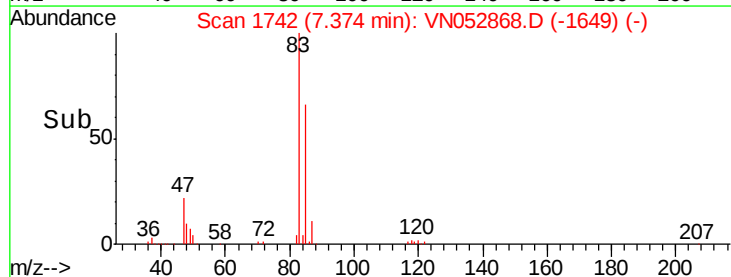
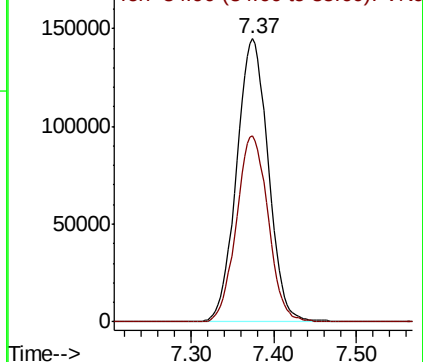


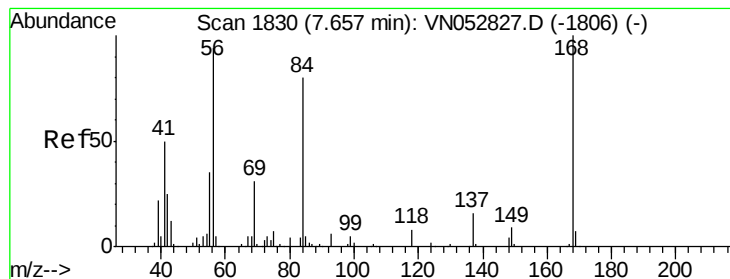
#30
Chloroform
Concen: 20.072 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 83 Resp: 385200
Ion Ratio Lower Upper
83 100
85 65.7 52.1 78.1



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





#31

Cyclohexane

Concen: 19.449 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

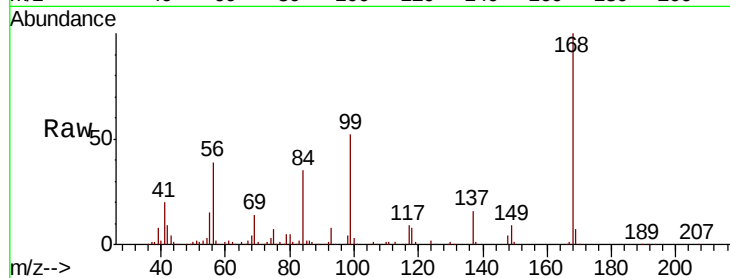
Tot Ion: 56 Resp: 380099

Ion Ratio Lower Upper

56 100

69 37.2 26.6 39.8

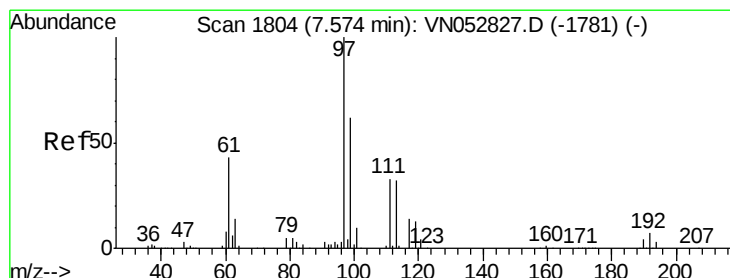
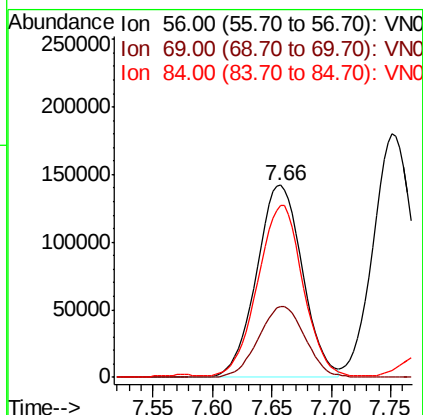
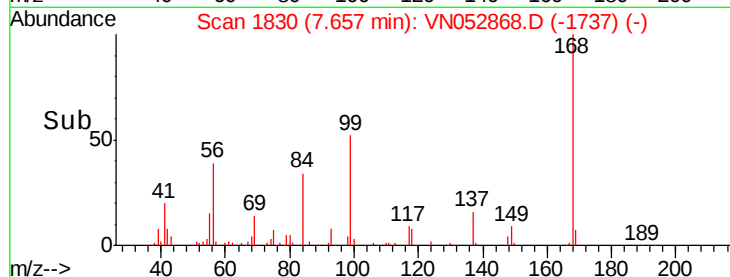
84 88.6 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052827.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 19.803 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

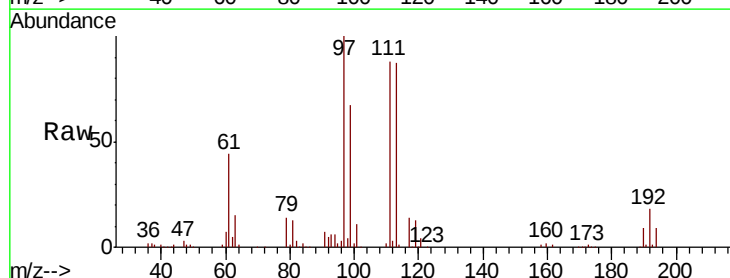
Tgt Ion: 97 Resp: 317973

Ion Ratio Lower Upper

97 100

99 65.1 51.1 76.7

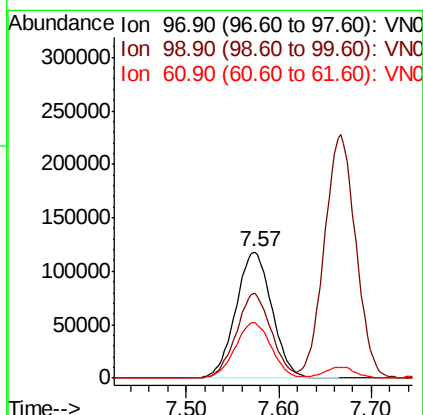
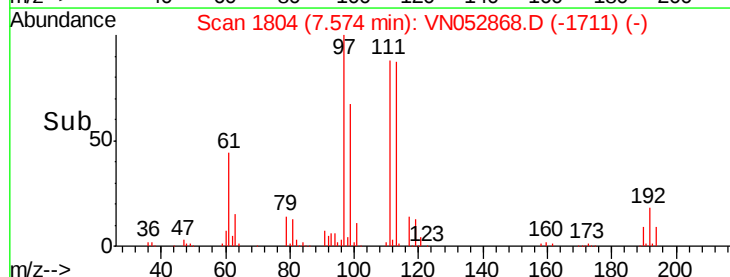
61 44.2 35.0 52.6

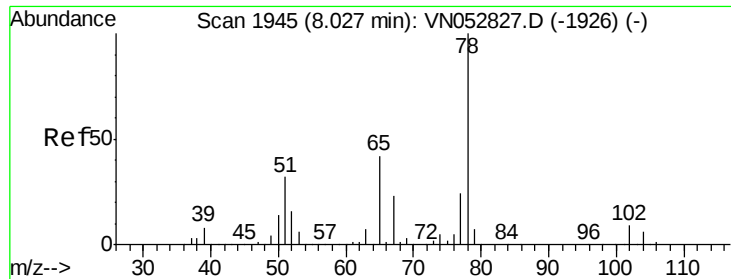


Abundance Ion 96.90 (96.60 to 97.60): VN052827.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-1781) (-)

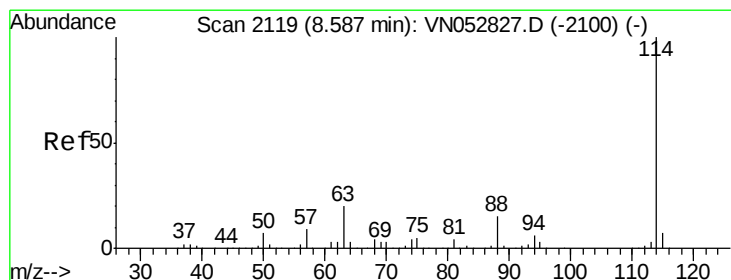
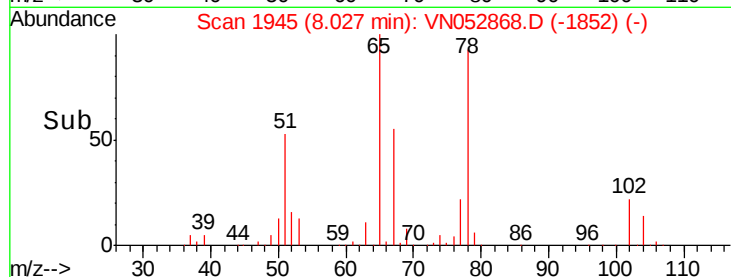
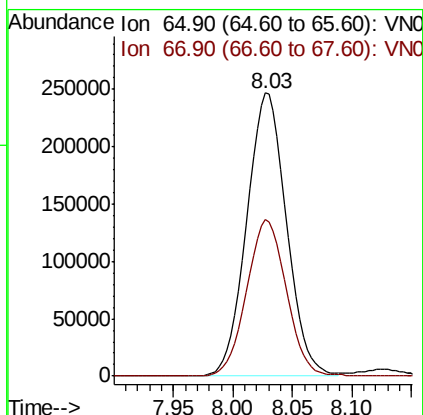
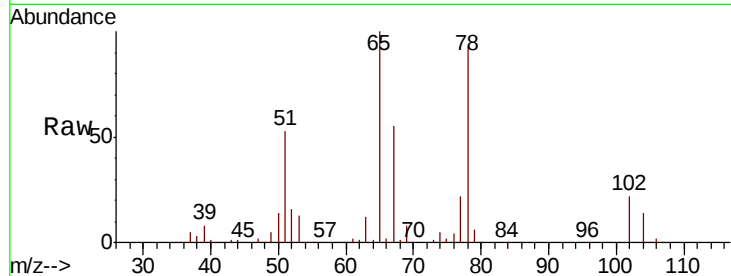




#33
 1,2-Dichloroethane-d4
 Concen: 19.803 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

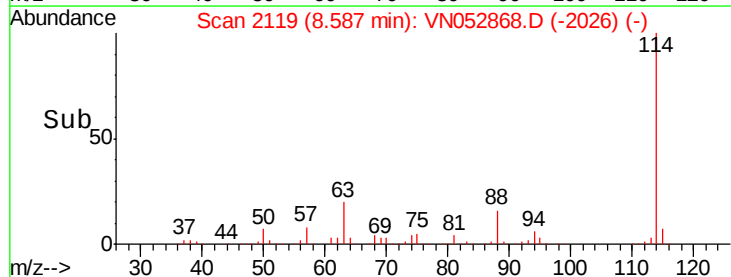
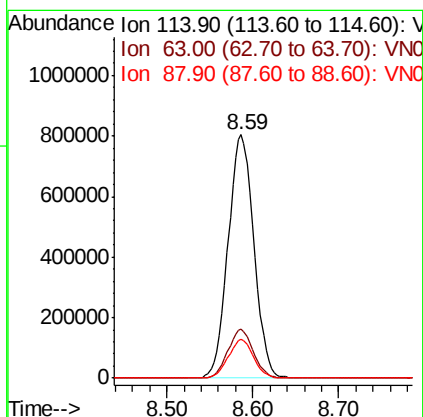
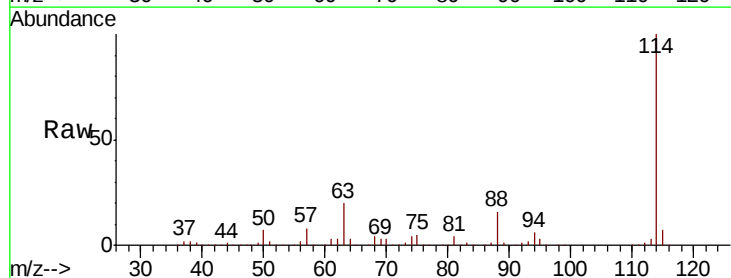
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

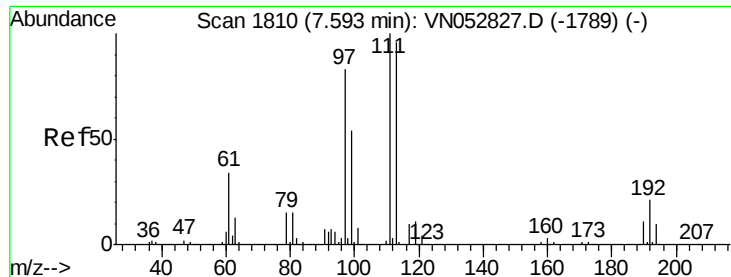
Tot Ion: 65 Resp: 571380
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 114 Resp: 1671736
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.7 0.0 31.0

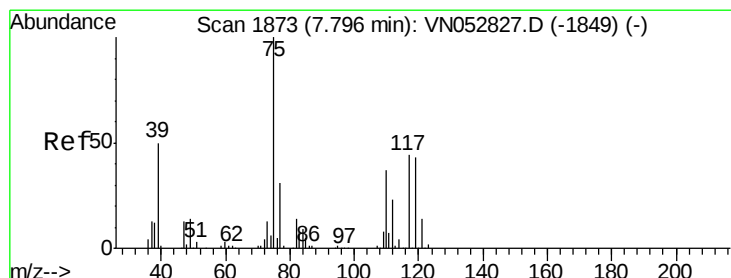
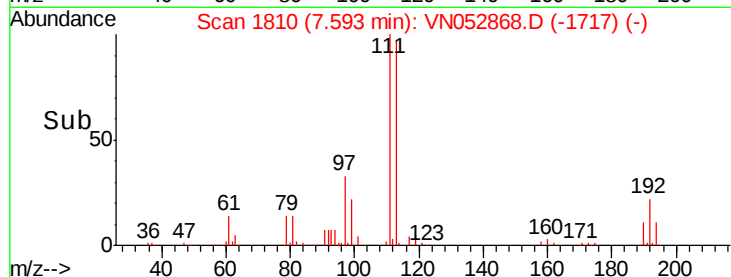
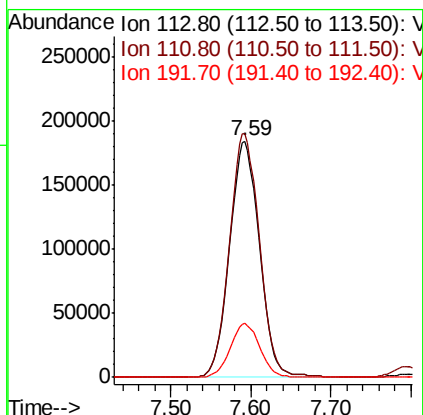
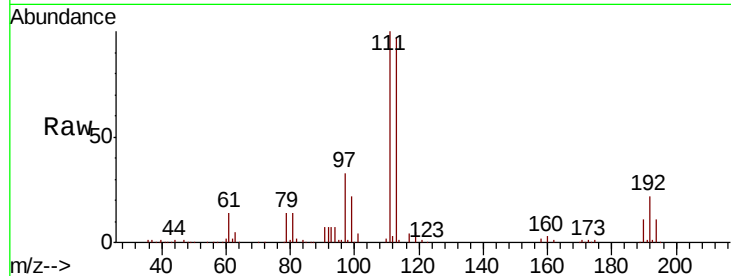




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

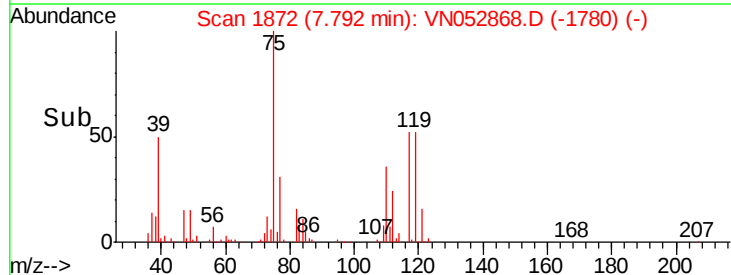
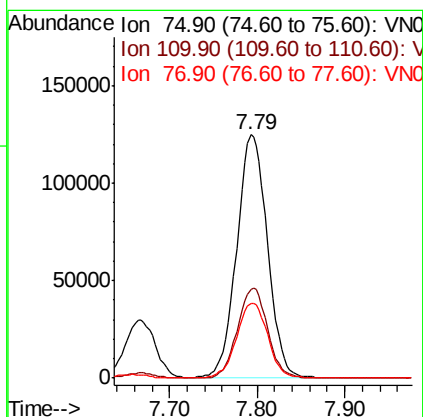
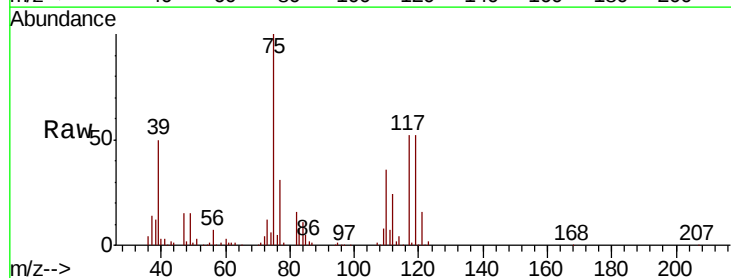
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

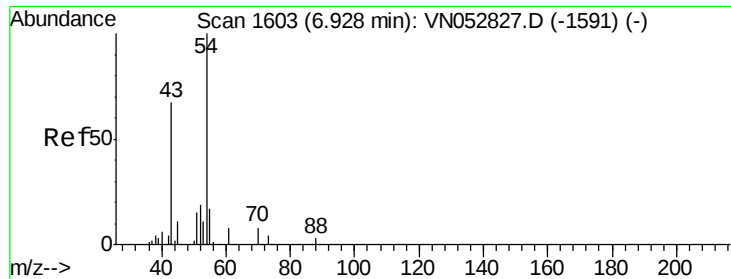
Tot Ion:113 Resp: 466179
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.4
 192 22.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 19.692 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 75 Resp: 303156
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.2 54.6
 77 31.6 24.9 37.3

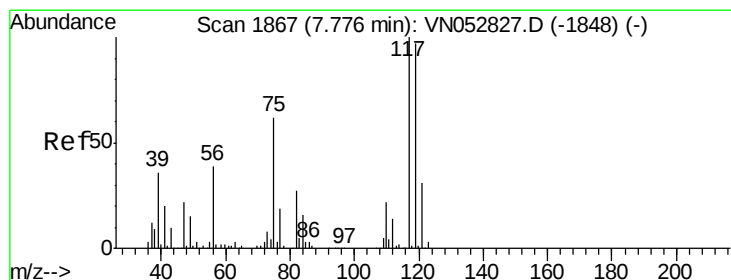
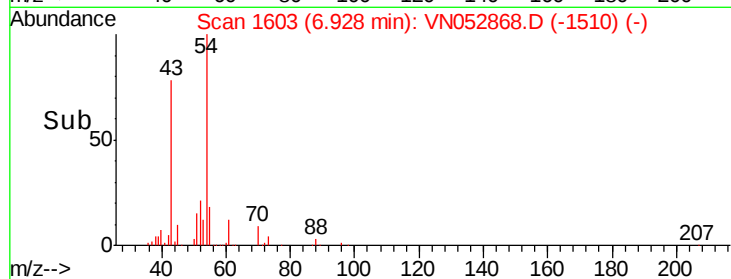
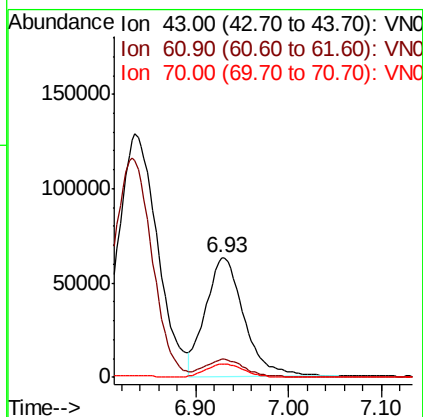
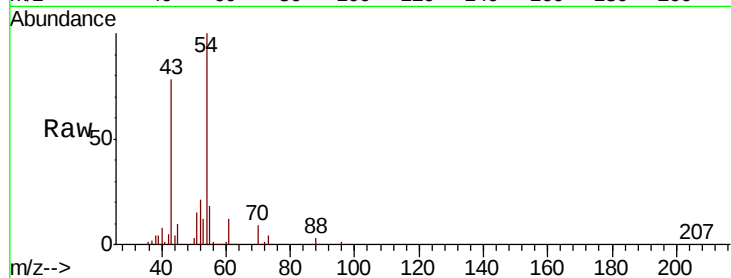




#37
Ethyl Acetate
Concen: 19.587 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

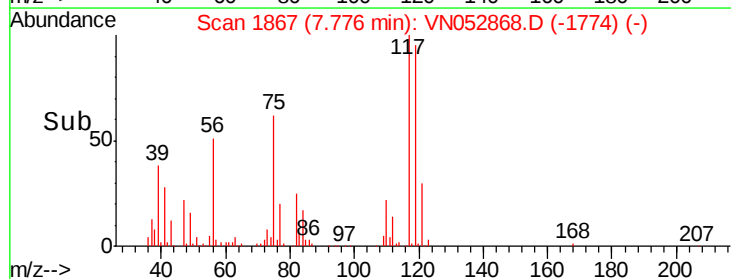
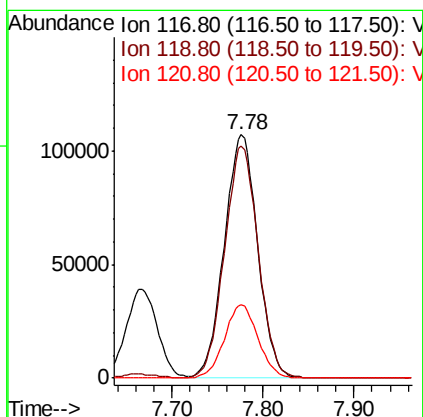
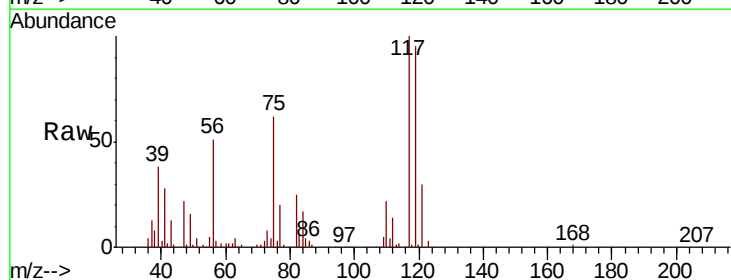
Instrument :
MSVOA_N
ClientSampled :
VN1213WBSD01

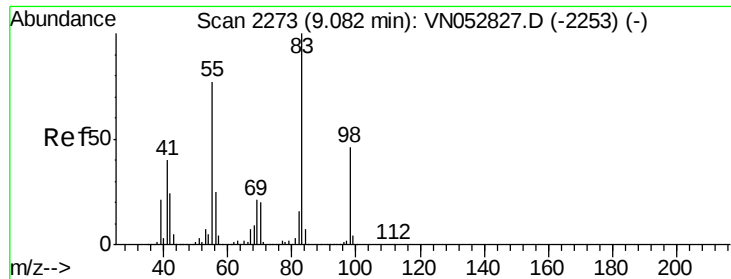
Tot Ion: 43 Resp: 181141
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.278 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 117 Resp: 273173
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
121 30.3 24.9 37.3

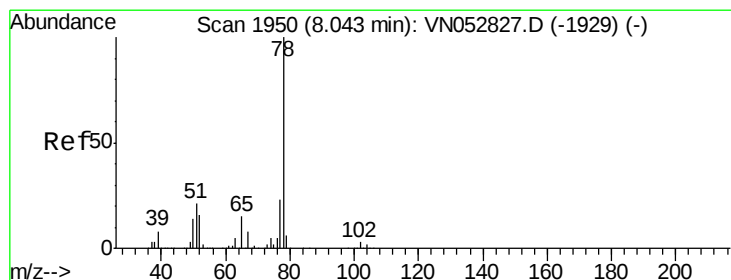
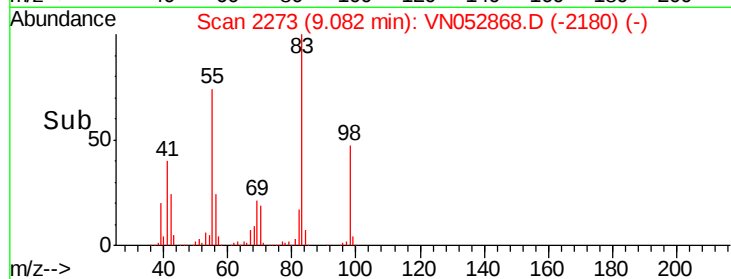
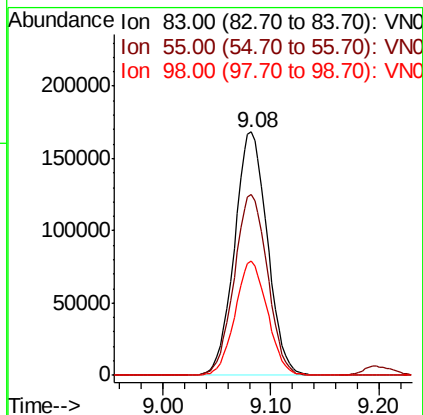
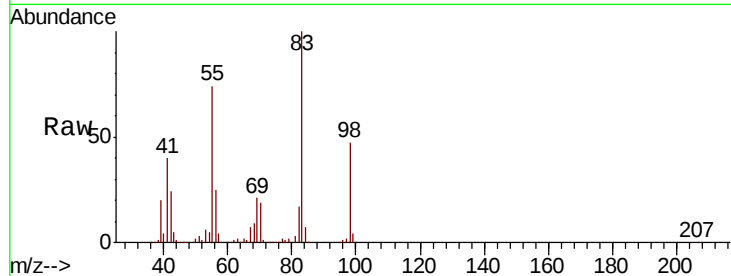




#39
Methvlcvclohexane
Concen: 18.916 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

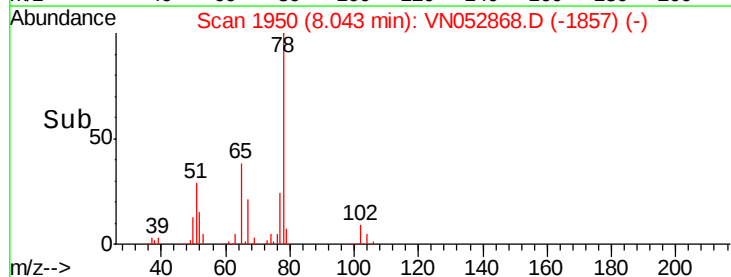
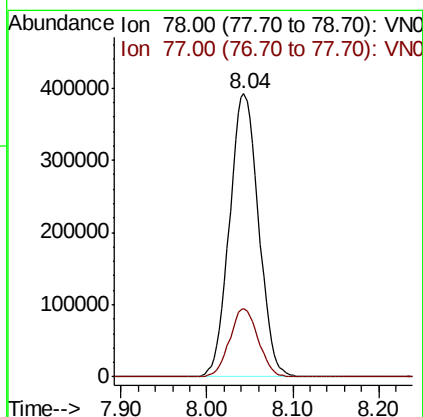
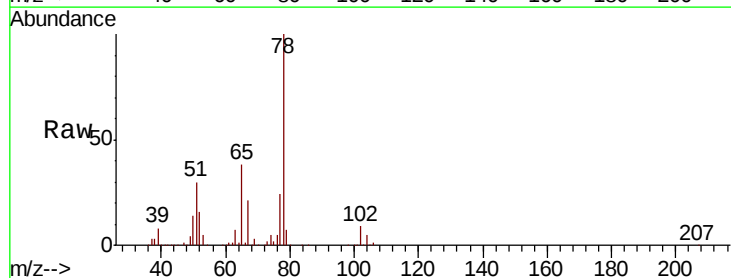
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

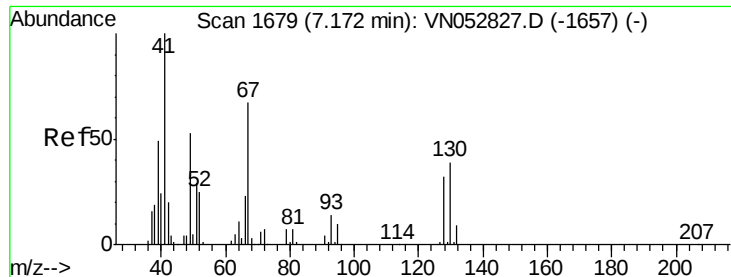
Tot Ion: 83 Resp: 357354
Ion Ratio Lower Upper
83 100
55 74.1 61.3 91.9
98 46.7 37.0 55.4



#40
Benzene
Concen: 19.952 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 78 Resp: 921874
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7

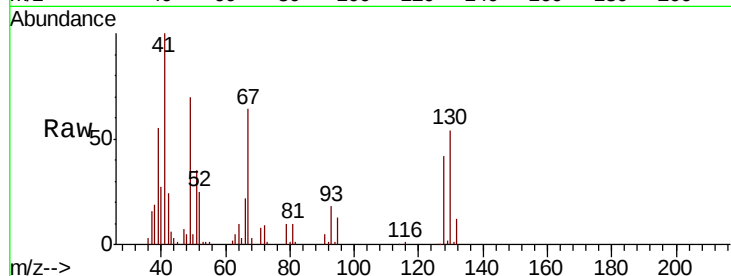




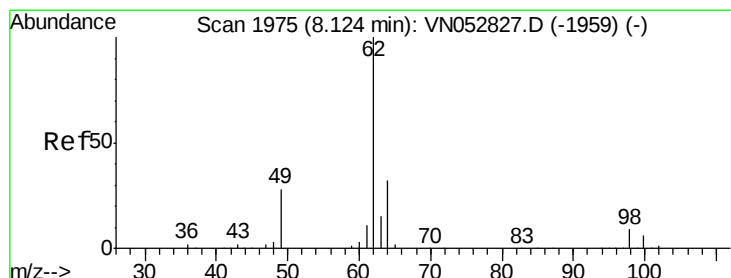
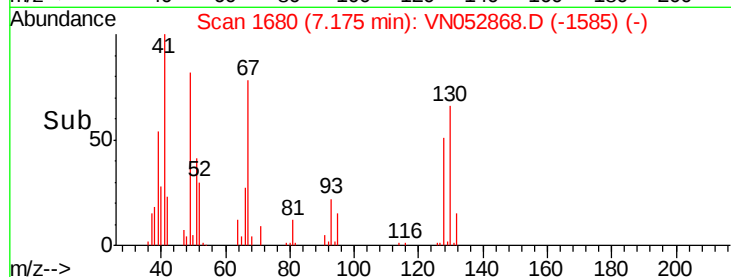
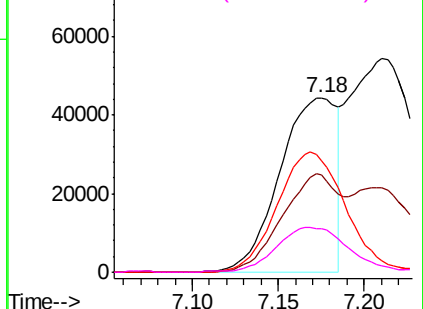
#41
Methacrylonitrile
Concen: 19.959 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tot Ion: 41 Resp: 102270
Ion Ratio Lower Upper
41 100
39 56.0 48.0 72.0
67 82.7 70.3 105.5
52 33.0 26.9 40.3

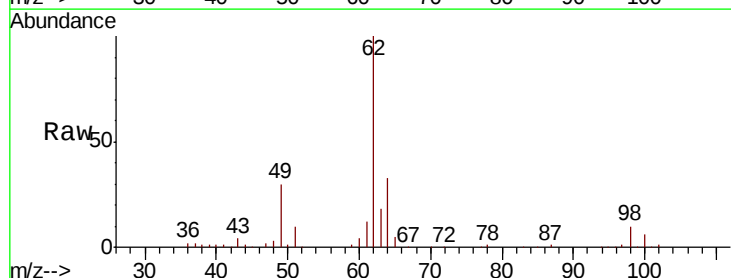


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

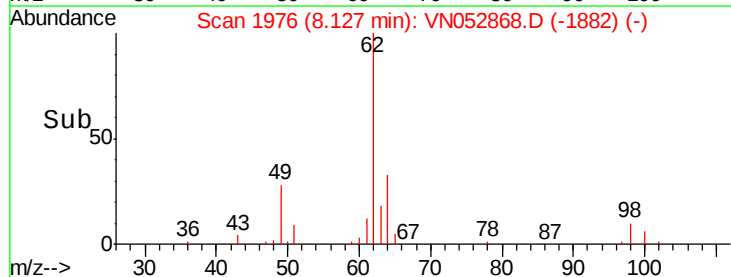
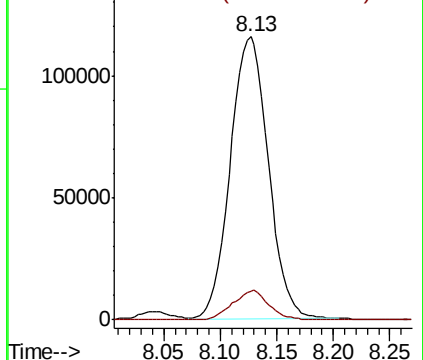


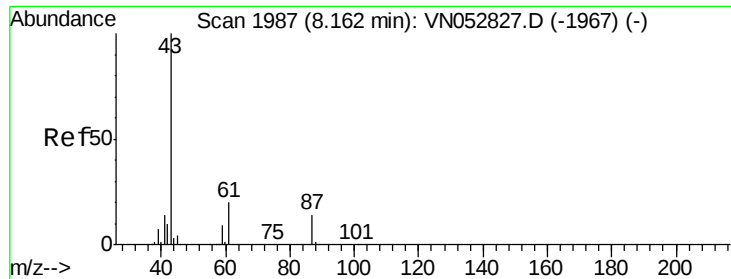
#42
1,2-Dichloroethane
Concen: 19.492 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 62 Resp: 271129
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 17.915 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

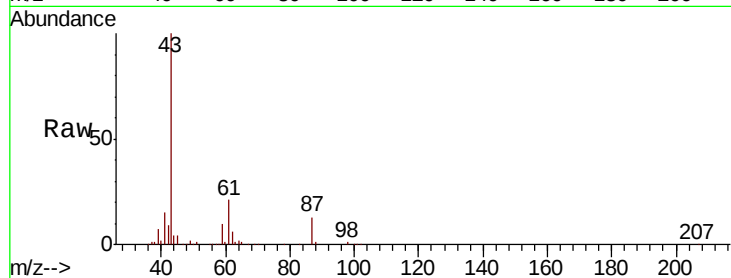
Tot Ion: 43 Resp: 339679

Ion Ratio Lower Upper

43 100

61 28.2 22.9 34.3

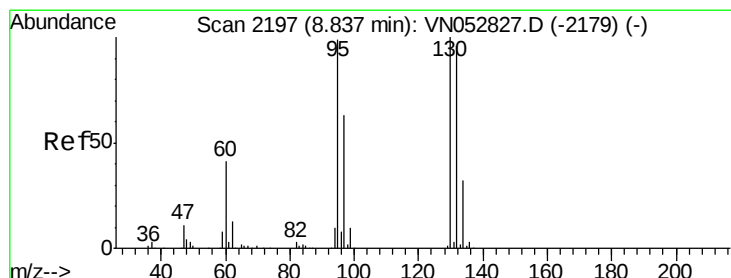
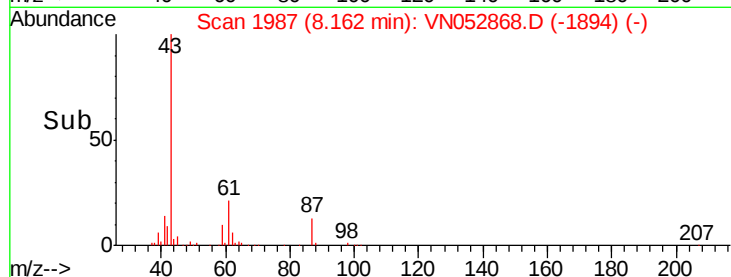
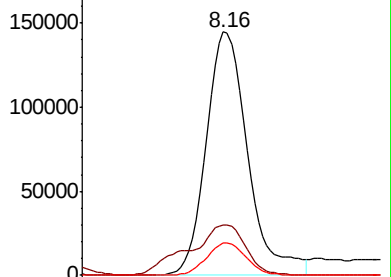
87 12.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#44

Trichloroethene

Concen: 19.835 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052868.D

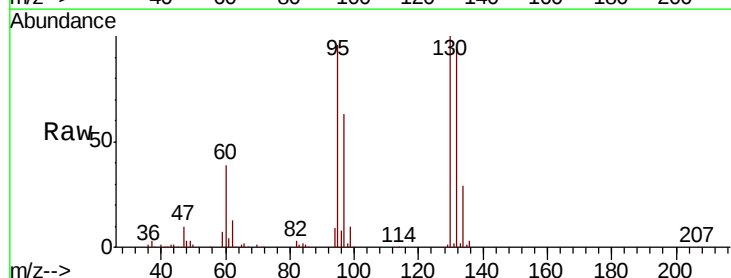
Acq: 13 Dec 2018 16:54

Tgt Ion: 130 Resp: 247546

Ion Ratio Lower Upper

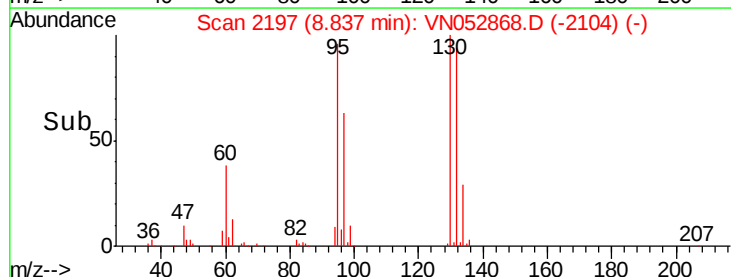
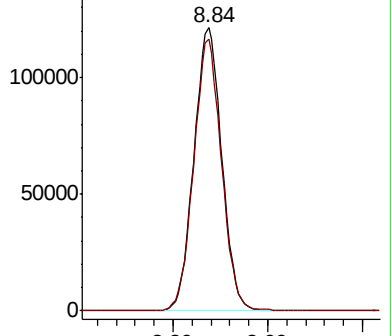
130 100

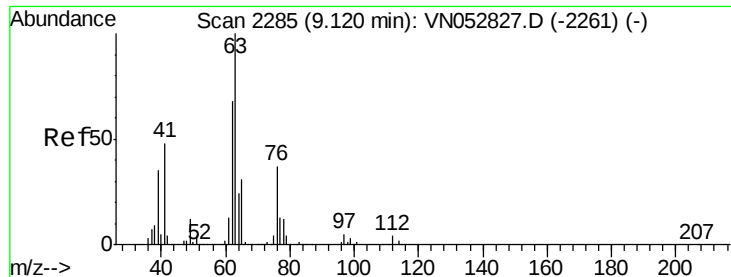
95 96.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.070 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampled :

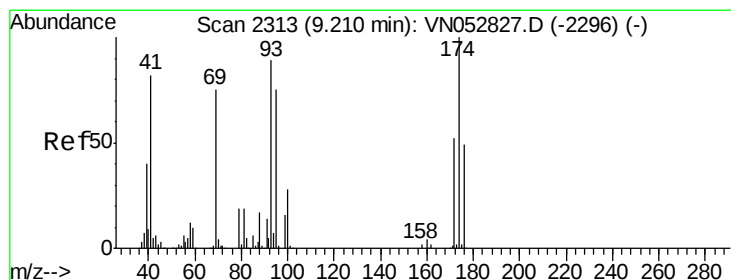
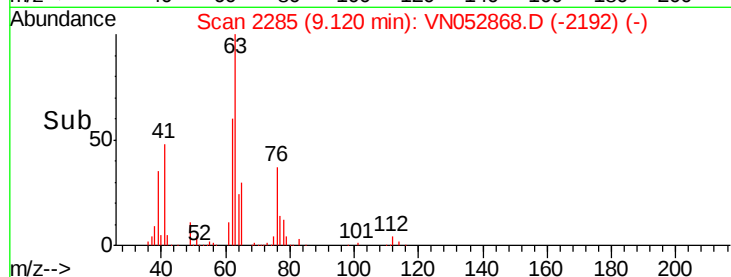
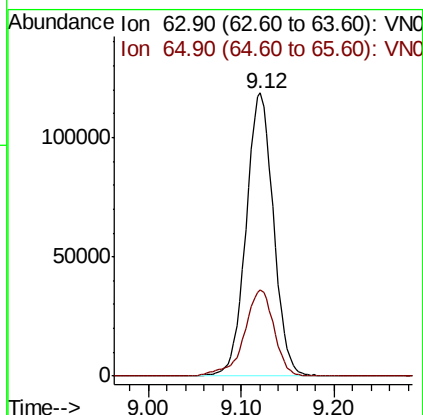
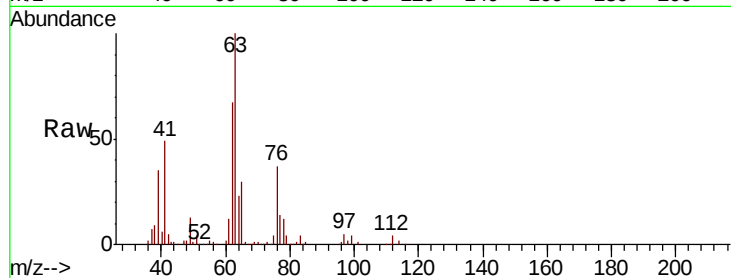
VN1213WBSD01

Tot Ion: 63 Resp: 242892

Ion Ratio Lower Upper

63 100

65 30.3 24.6 37.0



#46

Dibromomethane

Concen: 19.576 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

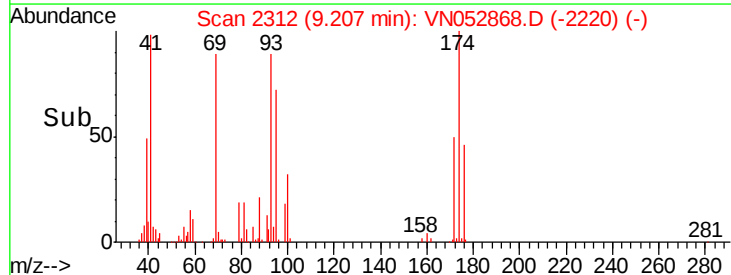
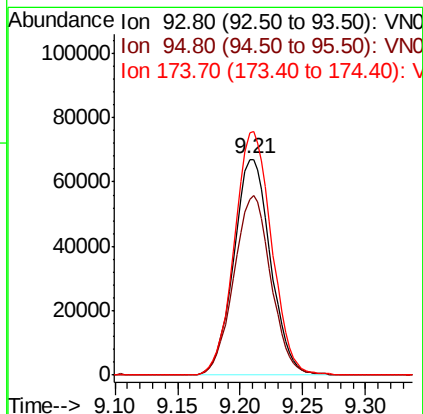
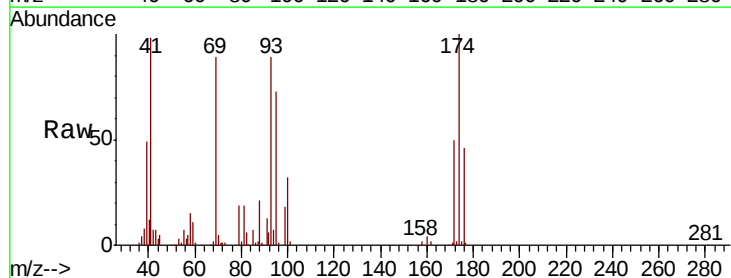
Tgt Ion: 93 Resp: 137393

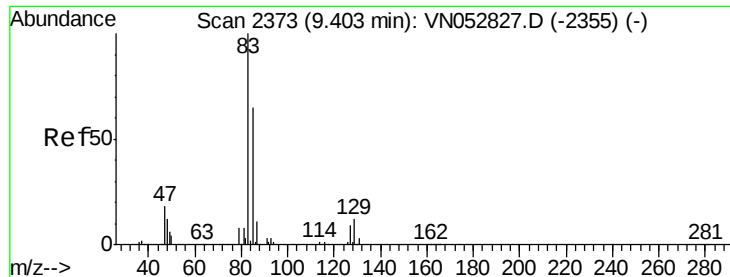
Ion Ratio Lower Upper

93 100

95 83.6 67.8 101.6

174 114.1 89.0 133.4





#47

Bromodichloromethane

Concen: 19.466 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

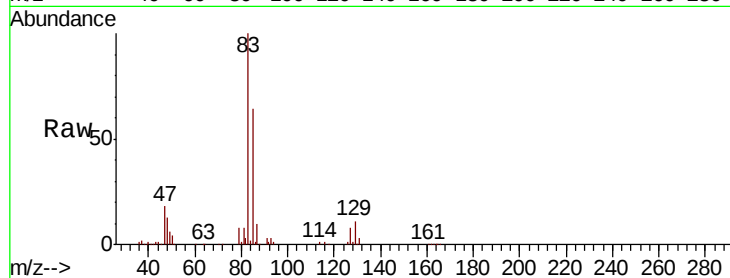
Tot Ion: 83 Resp: 283320

Ion Ratio Lower Upper

83 100

85 63.6 51.6 77.4

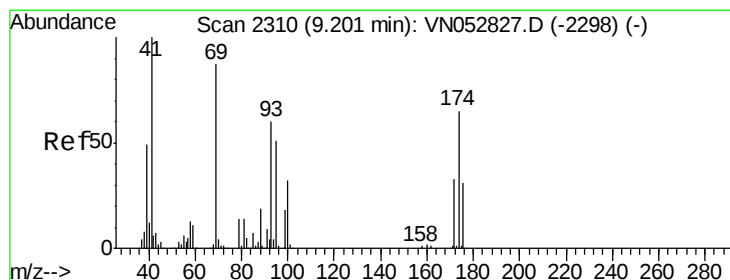
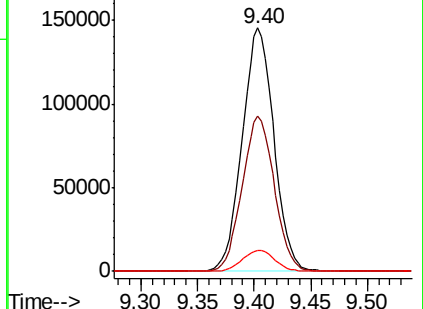
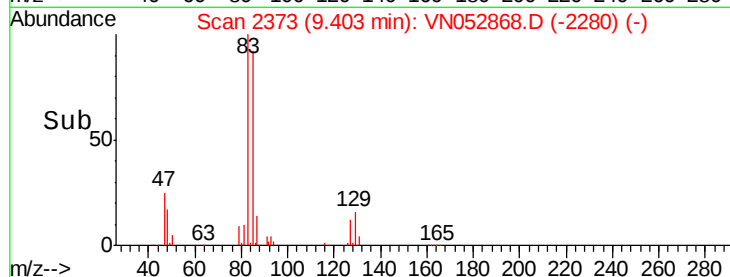
127 8.5 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052868.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052868.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052868.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.781 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

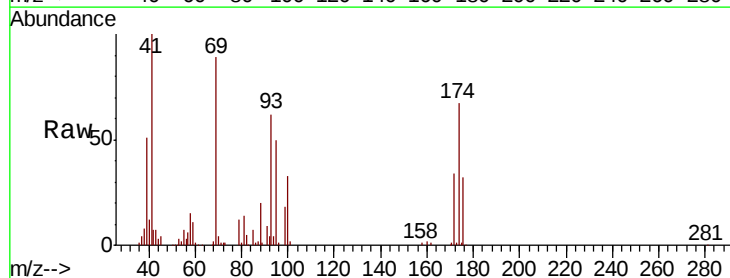
Tgt Ion: 41 Resp: 164480

Ion Ratio Lower Upper

41 100

69 91.8 72.2 108.2

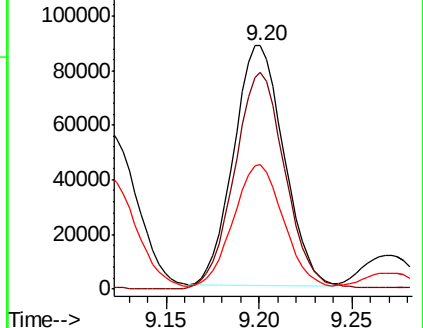
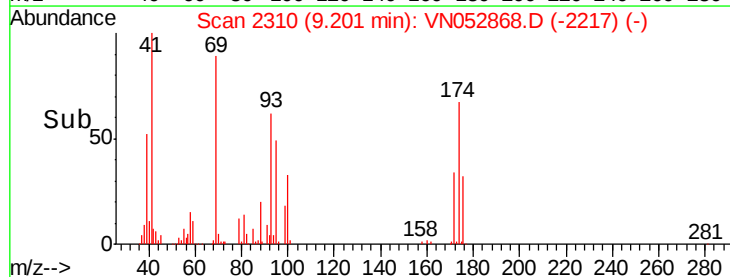
39 52.6 41.9 62.9

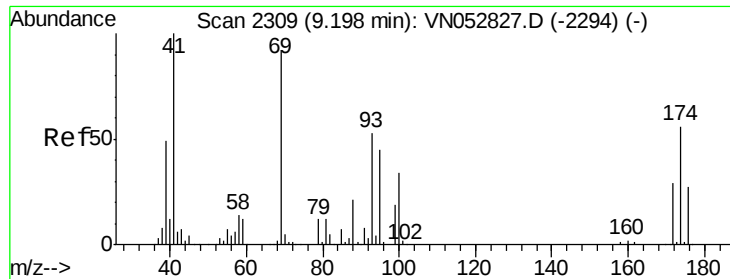


Abundance Ion 41.00 (40.70 to 41.70): VN052868.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052868.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052868.D (-2217) (-)

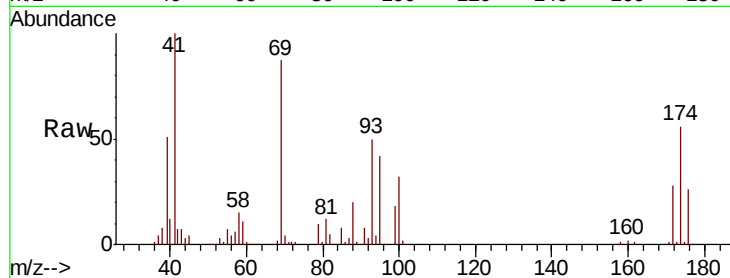




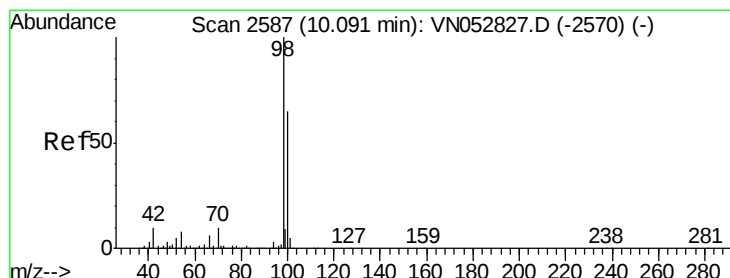
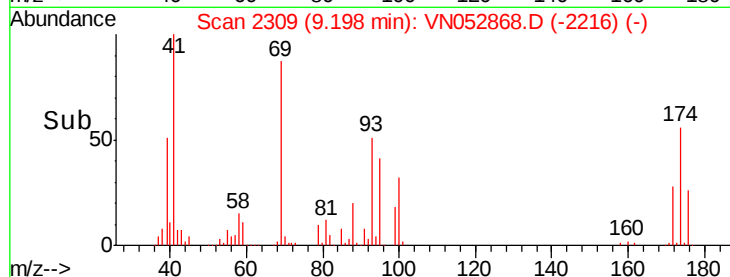
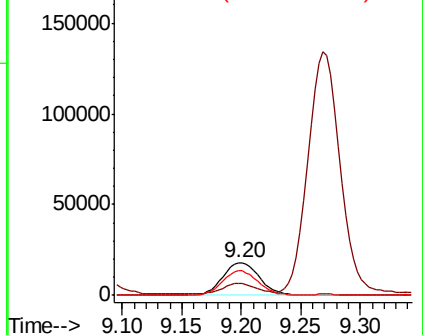
#49
 1,4-Dioxane
 Concen: 410.024 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Tot Ion: 88 Resp: 38700
 Ion Ratio Lower Upper
 88 100
 43 30.1 26.6 40.0
 58 72.1 58.4 87.6

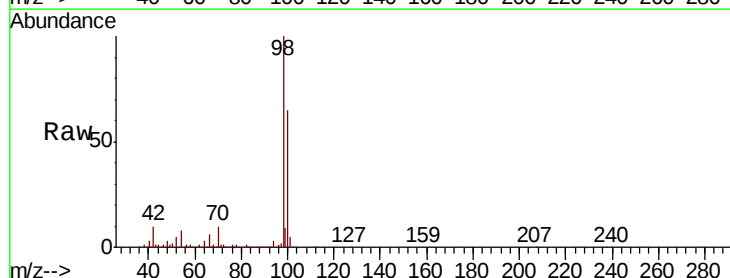


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

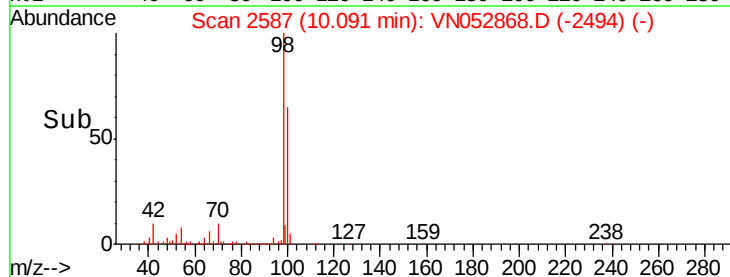
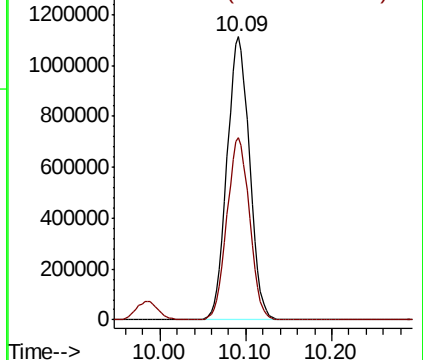


#50
 Toluene-d8
 Concen: 410.024 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 98 Resp: 2023359
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.6 77.4



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

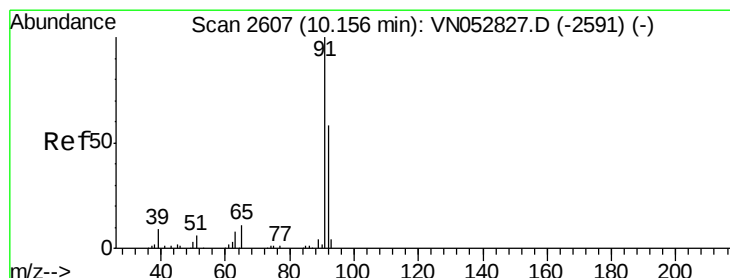
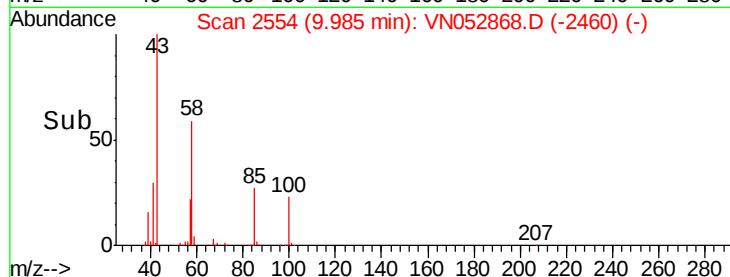
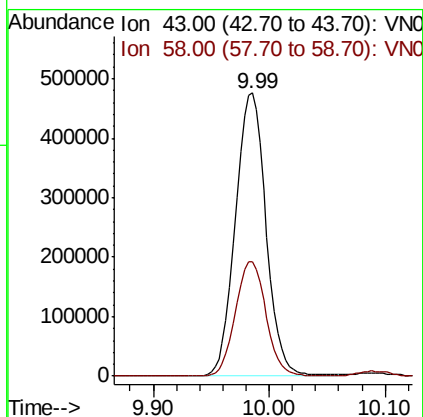
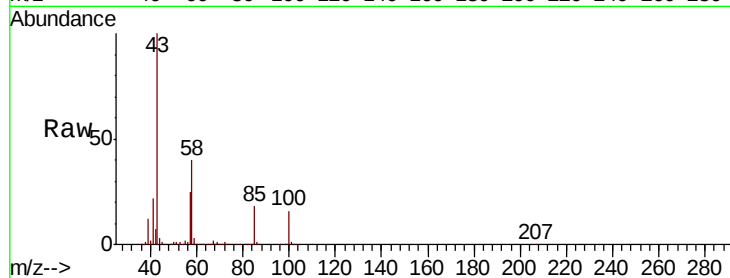




#51
 4-Methyl-2-Pentanone
 Concen: 99.827 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

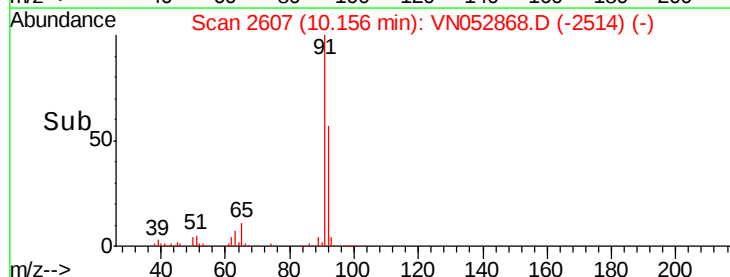
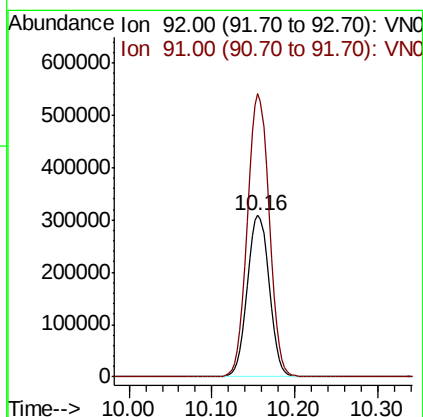
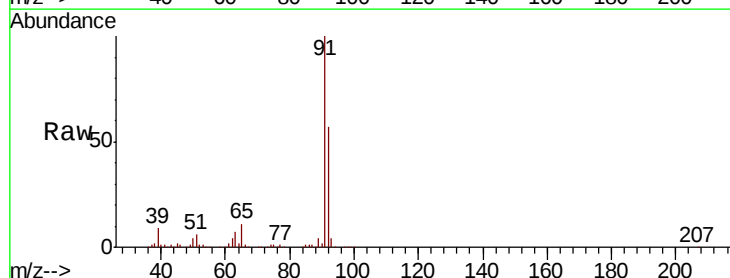
Instrument :
 MSVOA_N
 ClientSampled :
 VN1213WBSD01

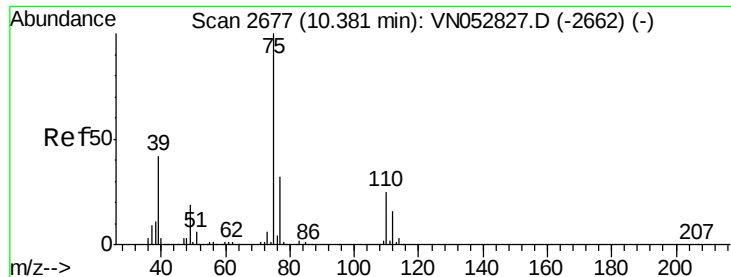
Tot Ion: 43 Resp: 867937
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.2 48.4



#52
 Toluene
 Concen: 20.269 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 92 Resp: 567202
 Ion Ratio Lower Upper
 92 100
 91 173.1 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.941 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

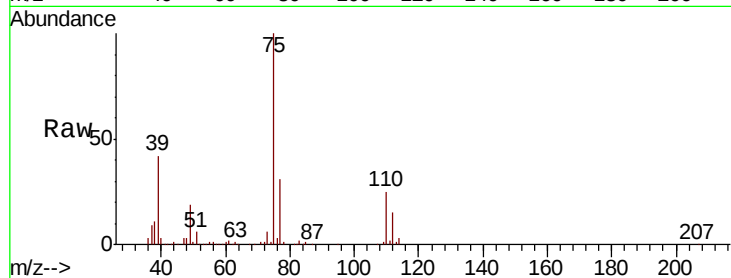
VN1213WBSD01

Tot Ion: 75 Resp: 277406

Ion Ratio Lower Upper

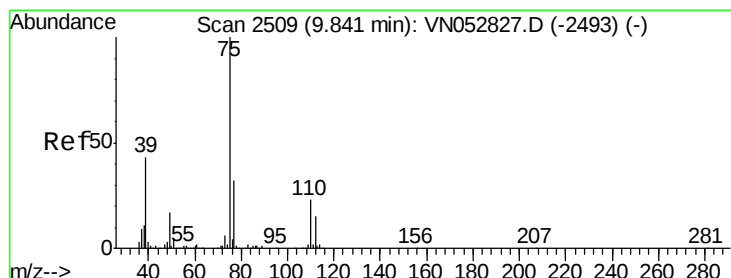
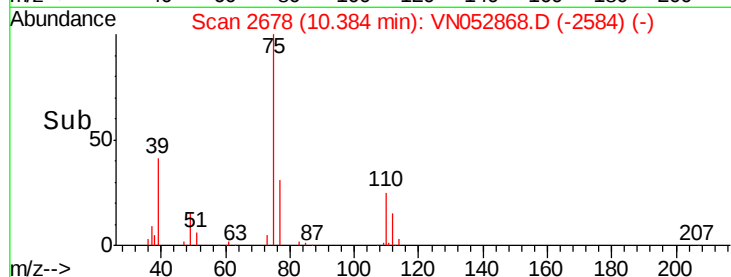
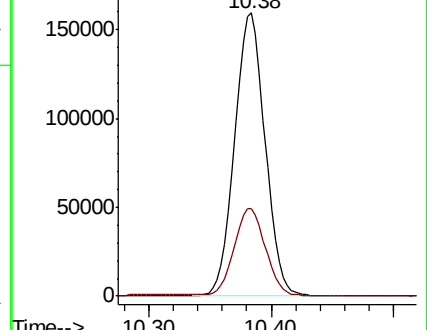
75 100

77 30.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.195 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

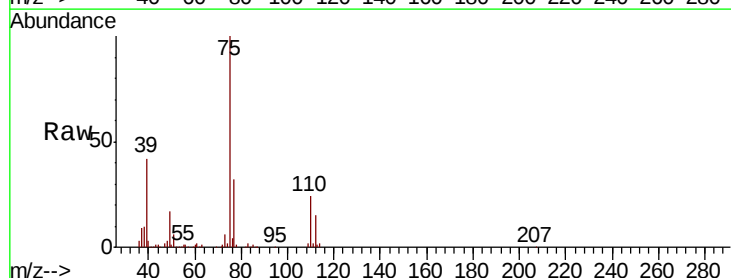
Tgt Ion: 75 Resp: 334996

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

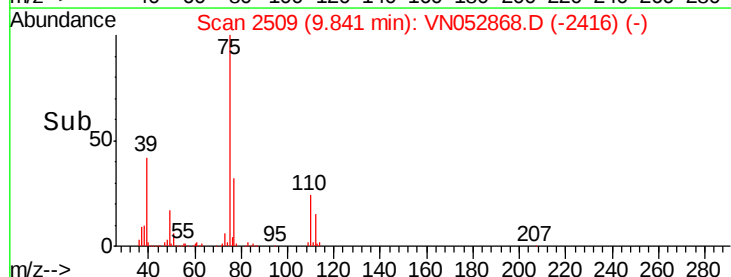
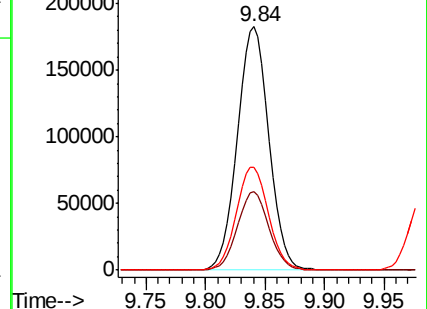
39 42.0 34.8 52.2

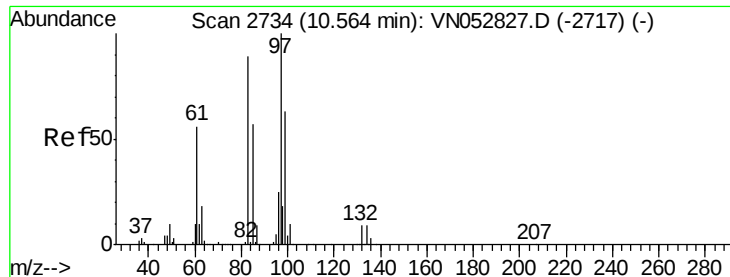


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

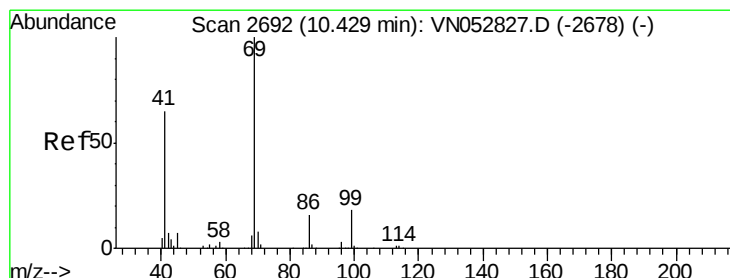
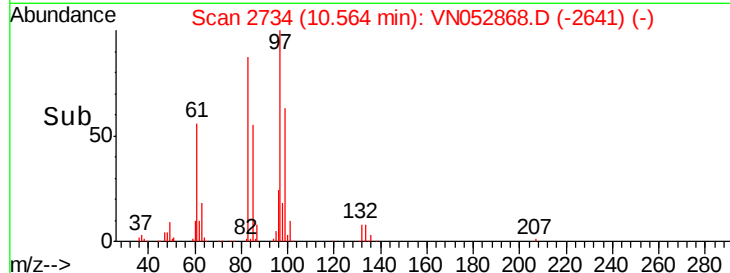
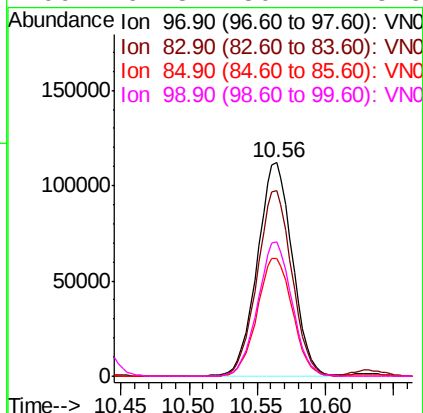
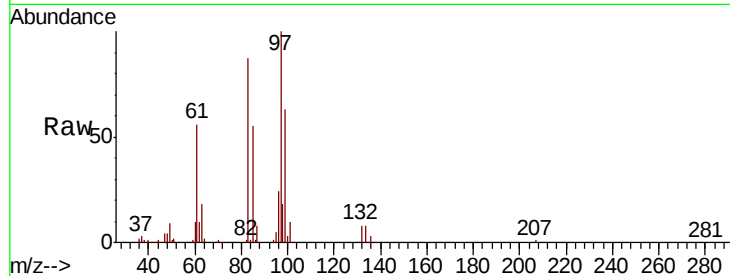




#55
 1,1,2-Trichloroethane
 Concen: 20.066 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

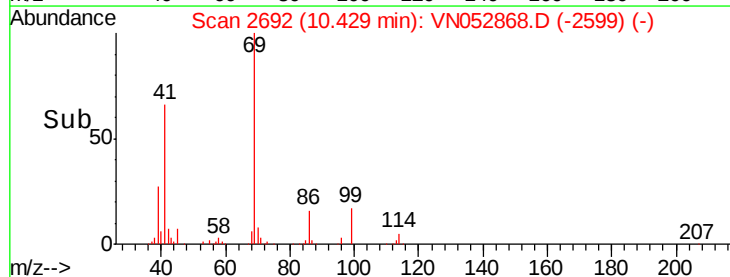
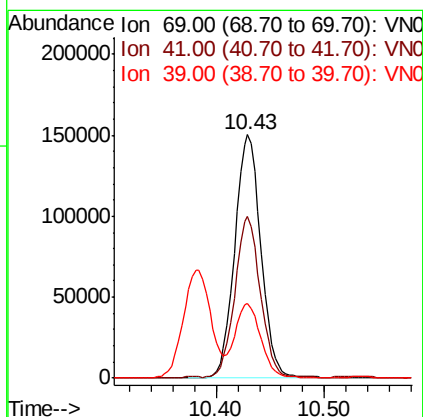
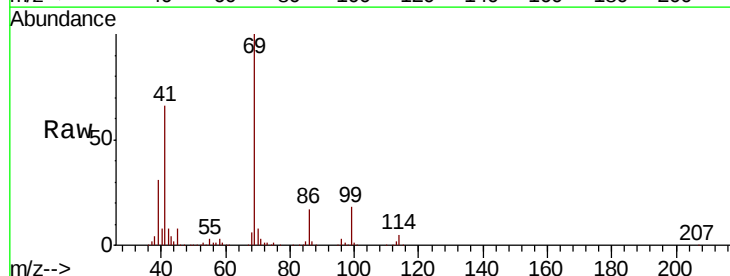
Instrument :
 MSVOA_N
 ClientSampled :
 VN1213WBSD01

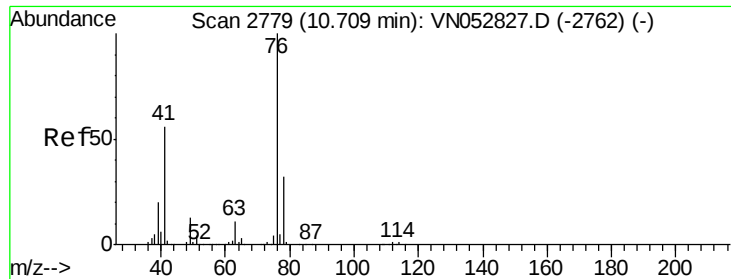
Tot Ion:	97	Resp:	200450
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.9	106.3
85	55.0	45.4	68.2
99	62.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.827 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion:	69	Resp:	254183
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.7	77.5
39	30.5	24.6	37.0

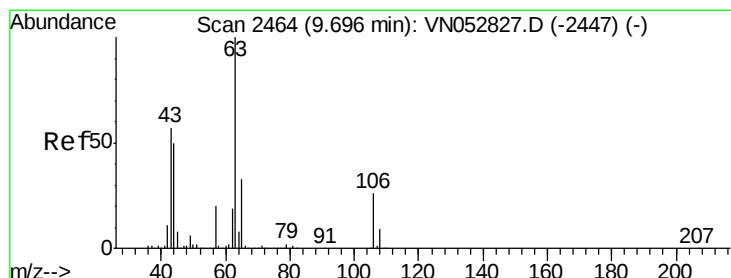
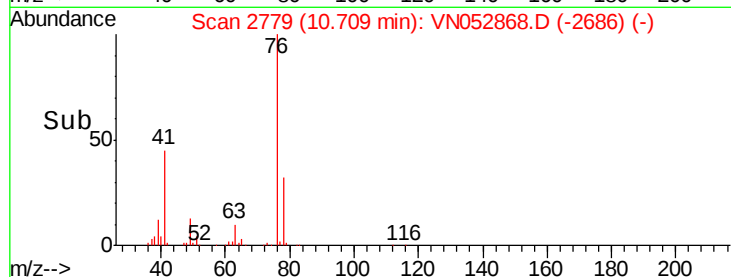
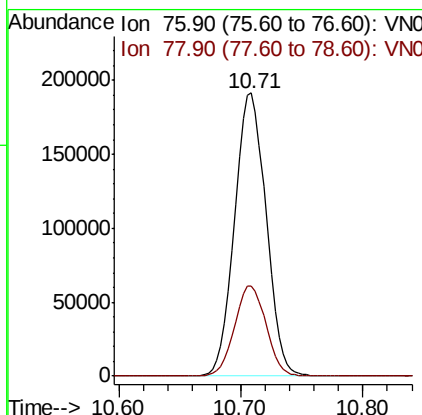
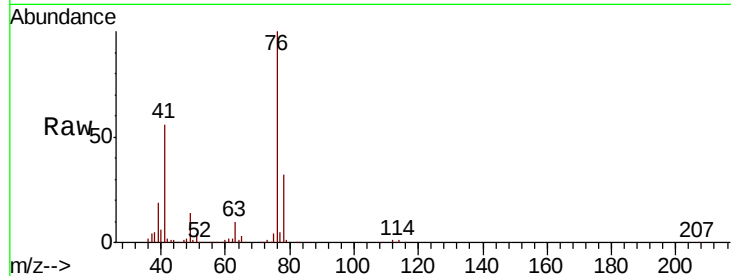




#57
 1,3-Dichloropropane
 Concen: 20.012 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

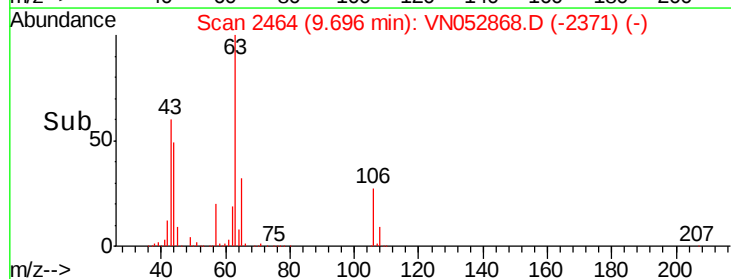
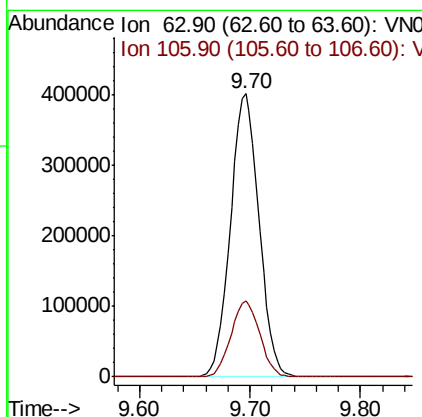
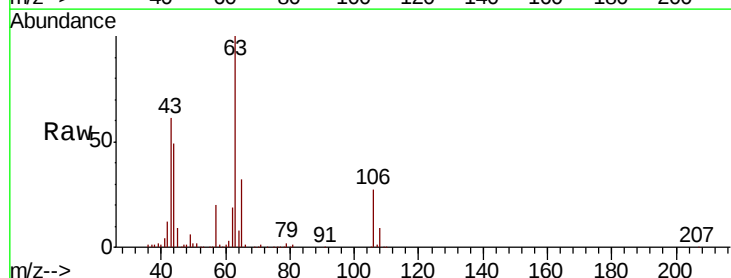
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

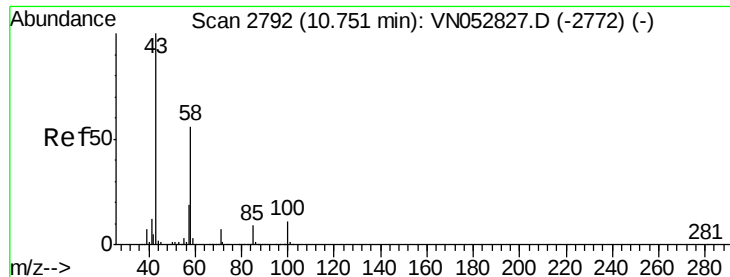
Tot Ion: 76 Resp: 342820
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.865 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion: 63 Resp: 721518
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.0 31.6

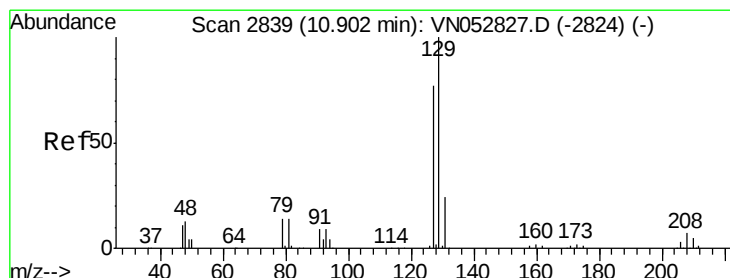
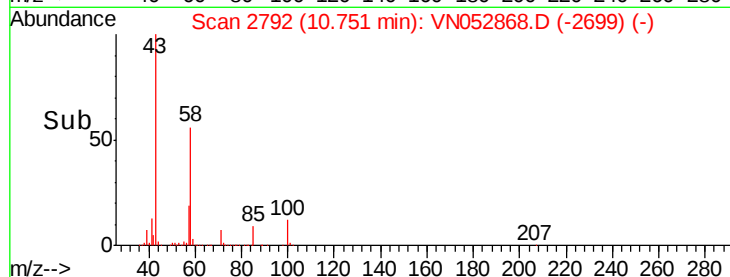
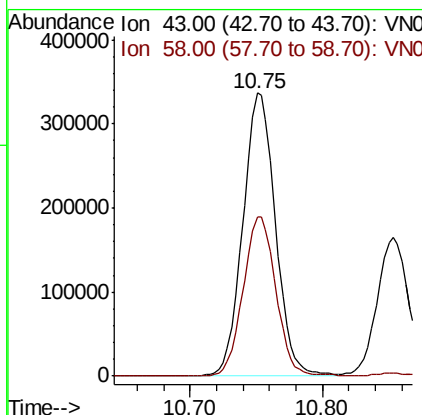
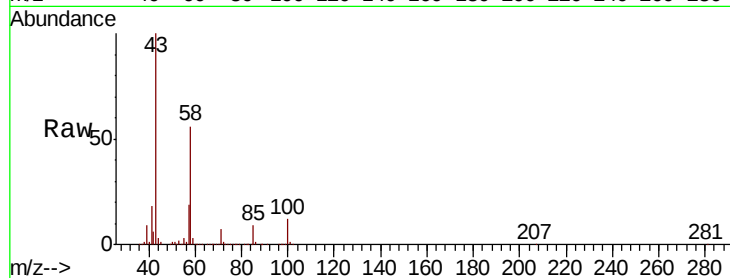




#59
2-Hexanone
Concen: 95.967 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

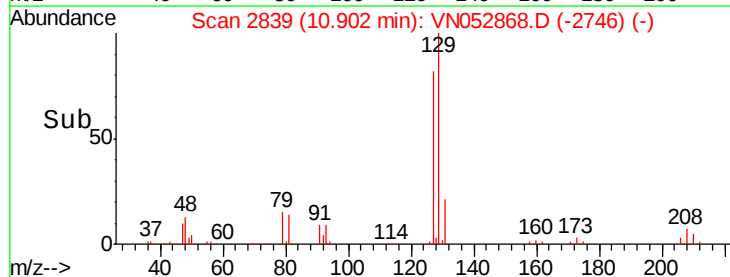
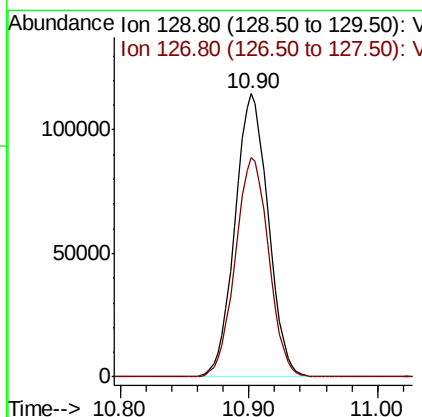
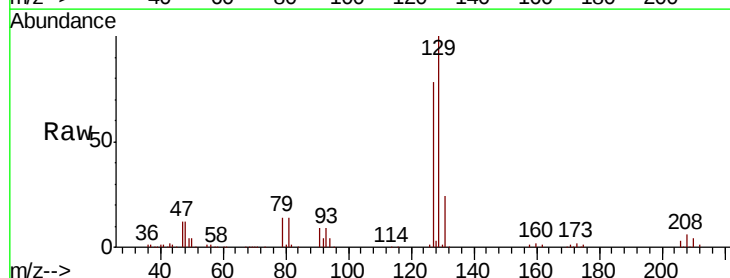
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

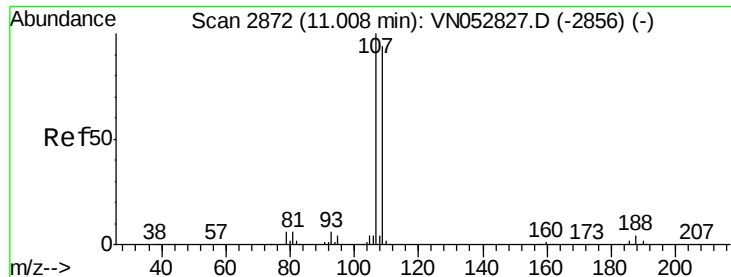
Tot Ion: 43 Resp: 571816
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.3



#60
Dibromochloromethane
Concen: 19.064 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 129 Resp: 205819
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.040 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

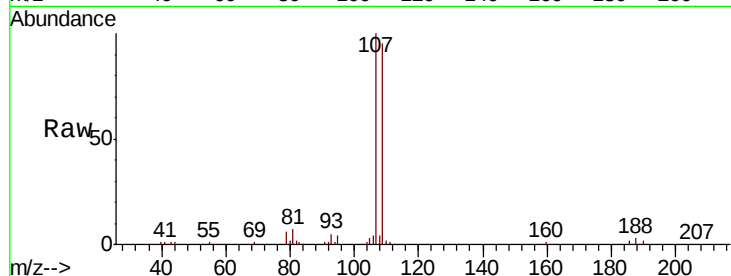
VN1213WBSD01

Tot Ion:107 Resp: 197879

Ion Ratio Lower Upper

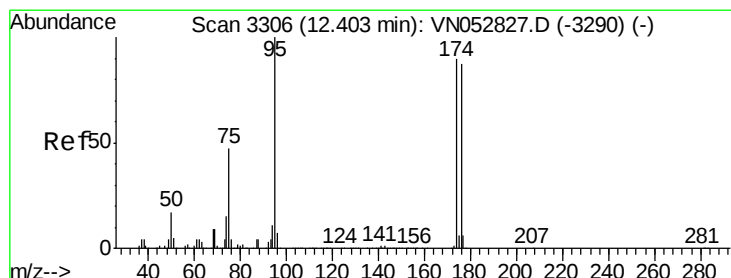
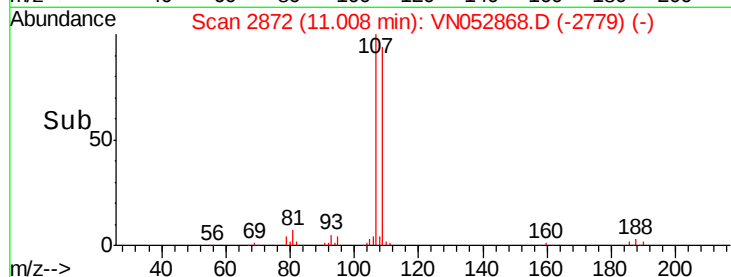
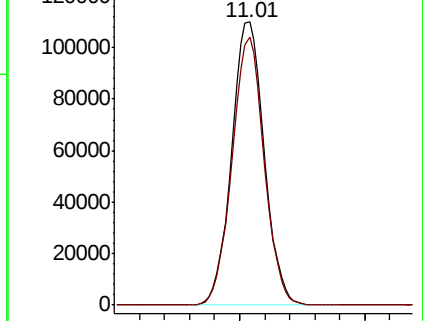
107 100

109 93.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.040 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

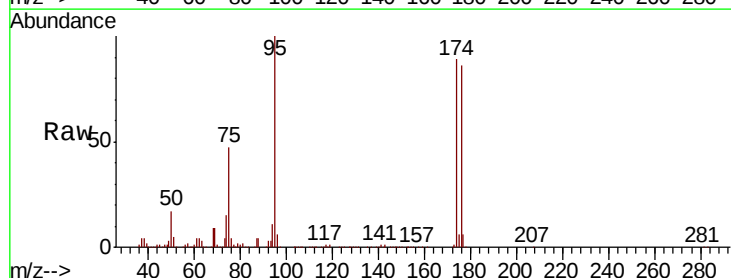
Tgt Ion: 95 Resp: 693352

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

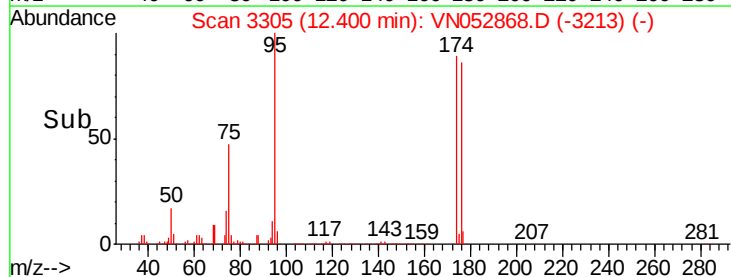
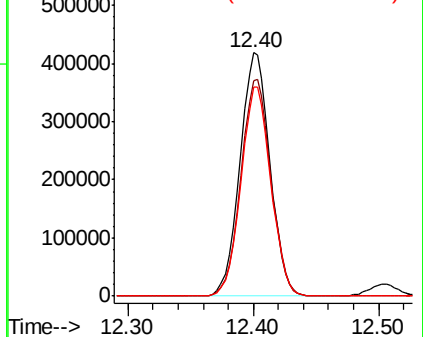
176 85.6 0.0 173.8

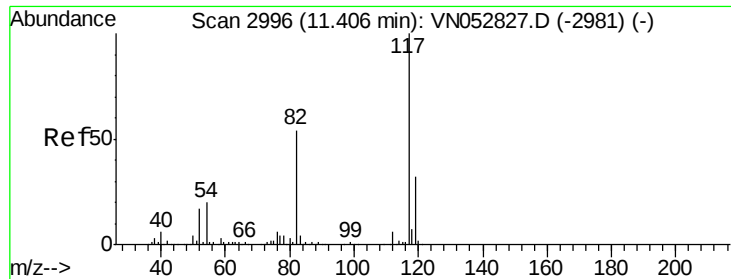


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

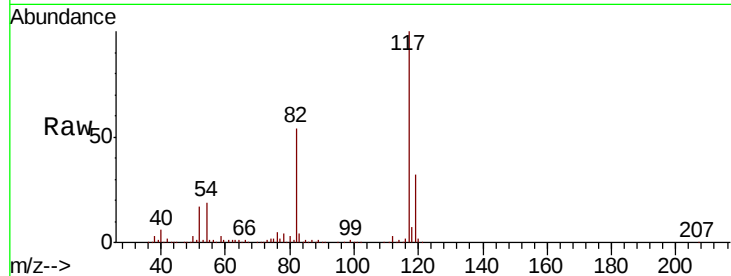




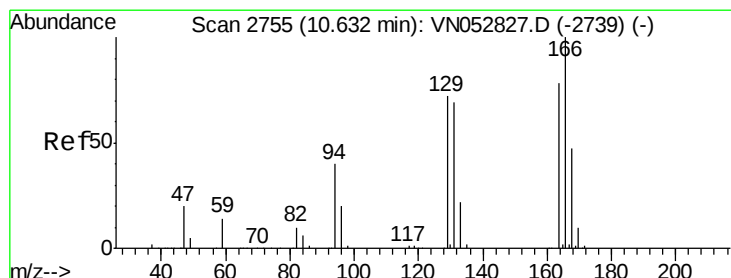
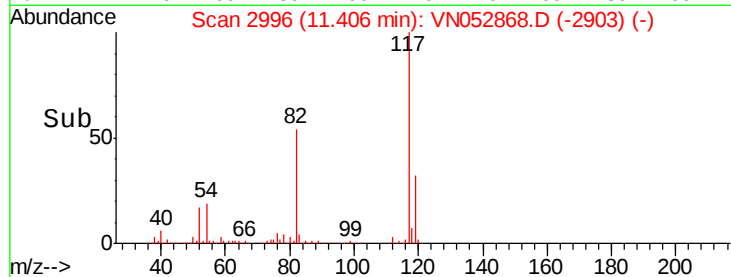
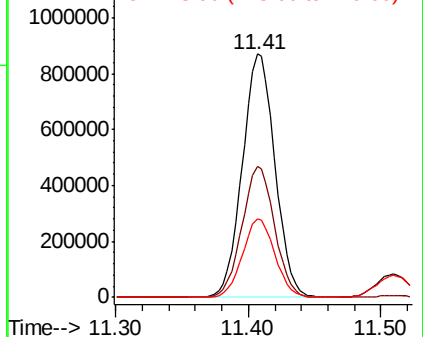
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tot Ion:117 Resp: 1482962
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.3 25.5 38.3

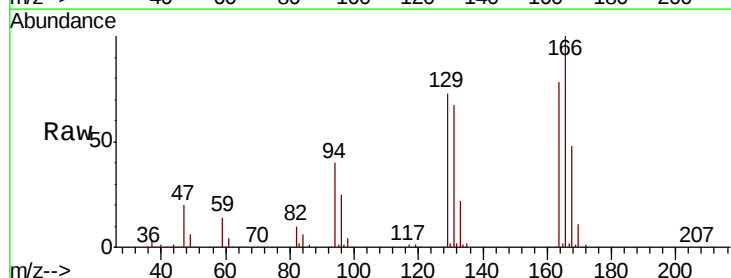


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

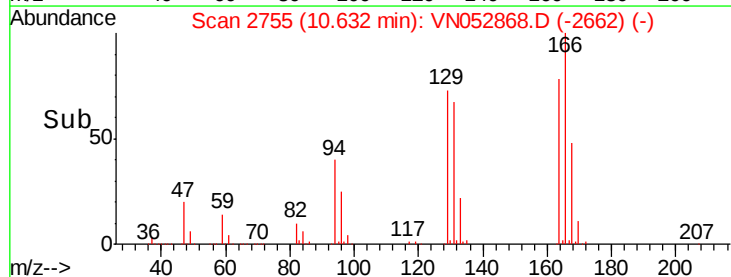
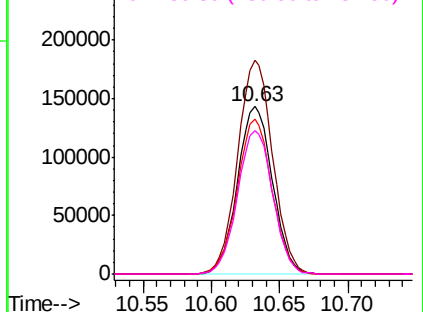


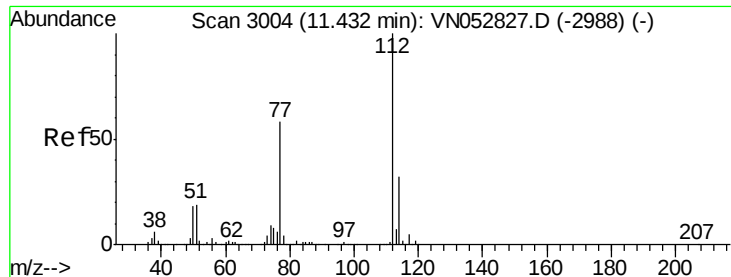
#64
Tetrachloroethene
Concen: 20.034 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion:164 Resp: 255349
Ion Ratio Lower Upper
164 100
166 127.5 102.9 154.3
129 92.7 73.7 110.5
131 85.6 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

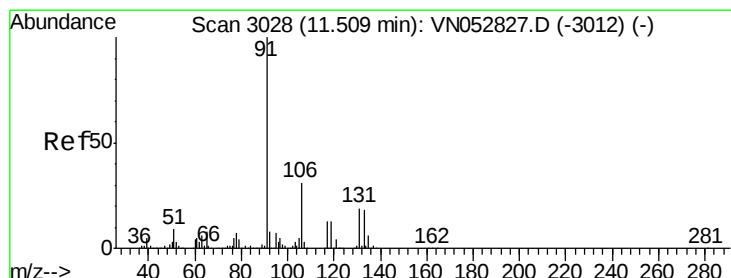
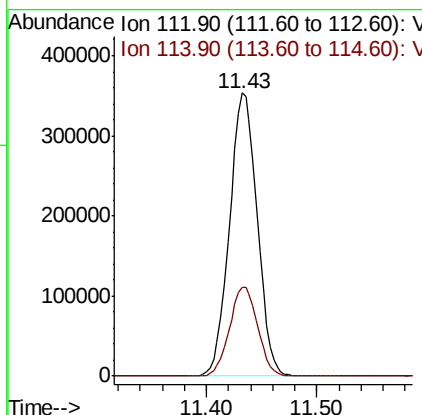
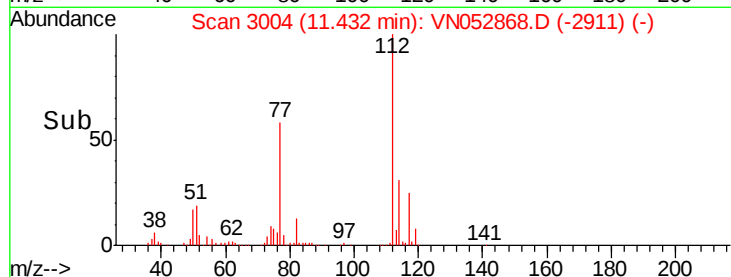
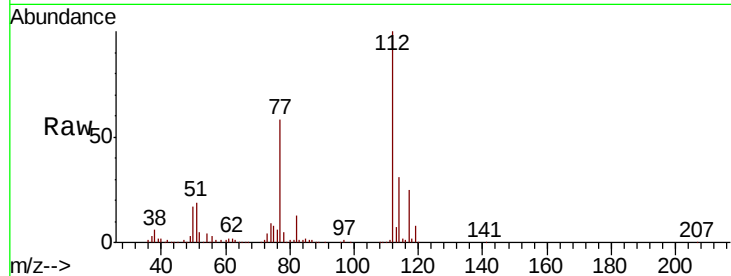




#65
Chlorobenzene
Concen: 19.990 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

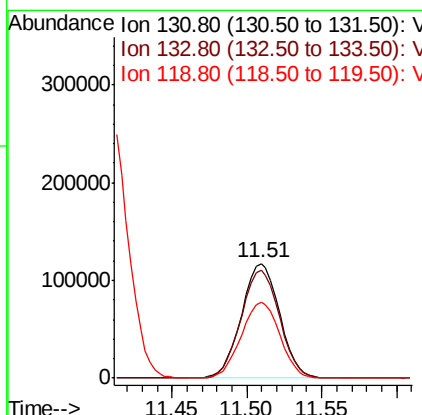
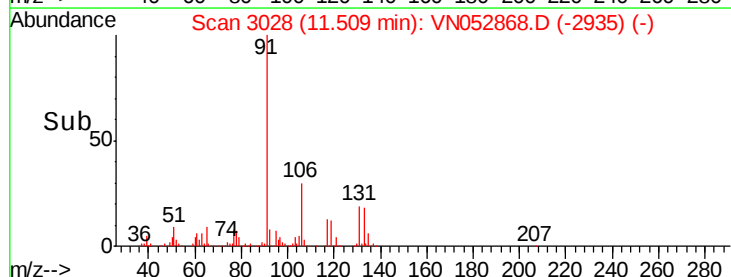
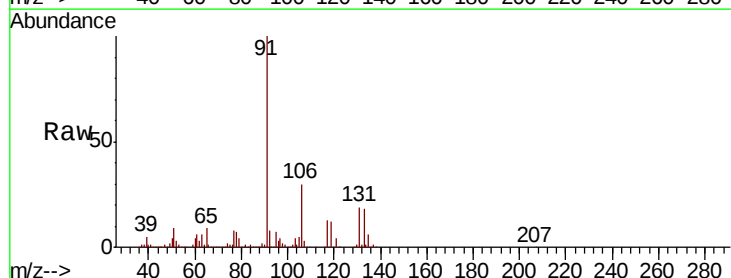
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

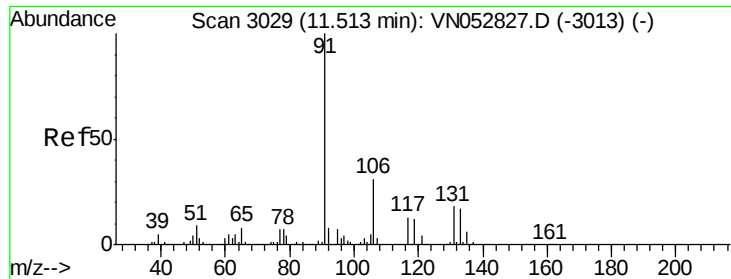
Tot Ion:112 Resp: 615007
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.509 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion:131 Resp: 208746
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 66.9 33.3 99.8

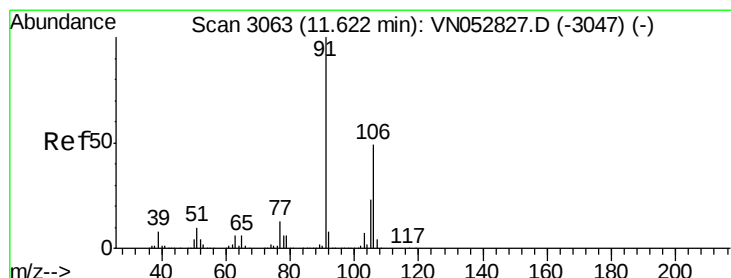
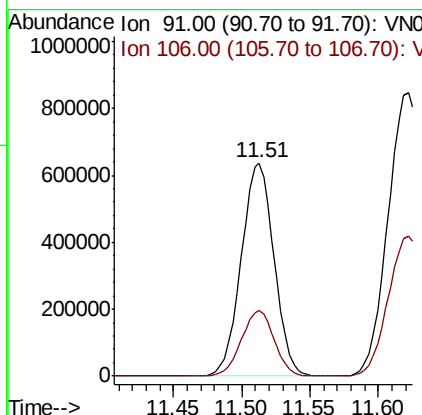
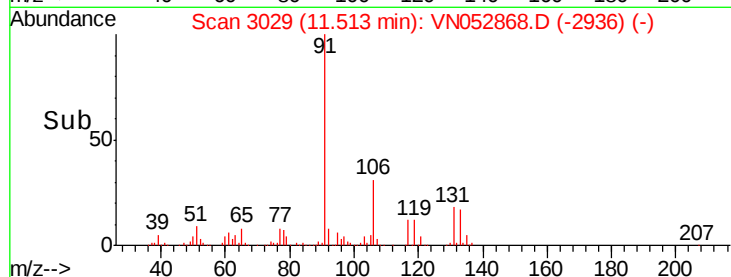
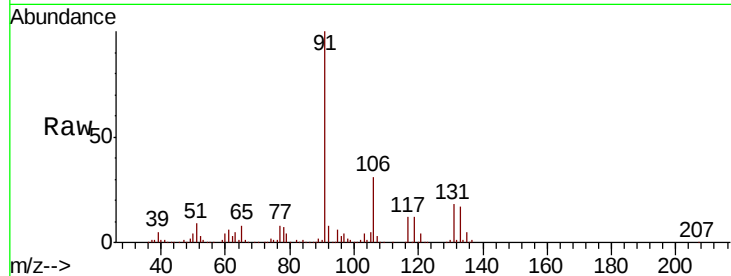




#67
Ethyl Benzene
Concen: 20.051 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

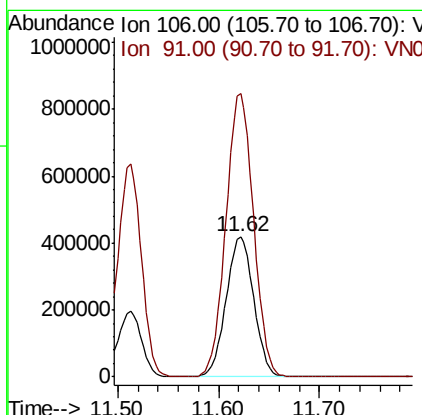
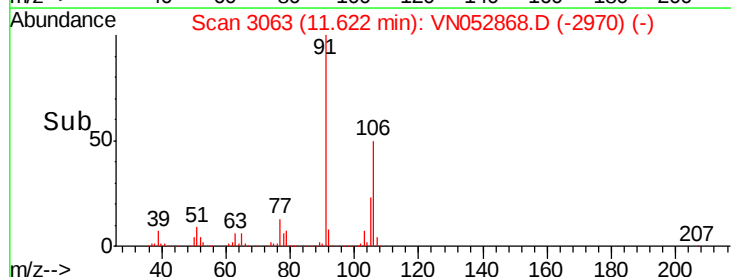
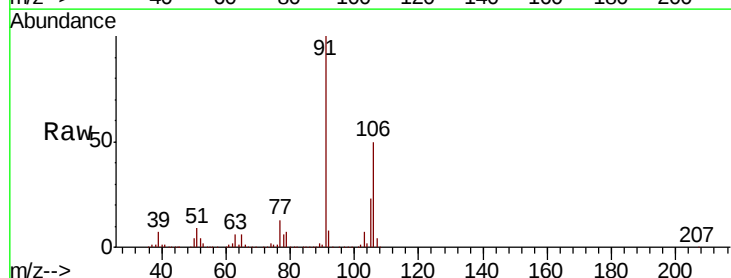
Instrument :
MSVOA_N
ClientSampled :
VN1213WBSD01

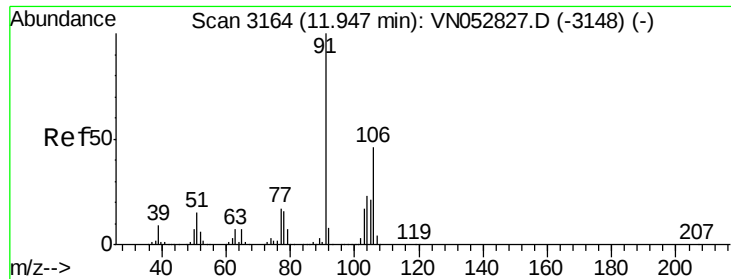
Tot Ion: 91 Resp: 1059366
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3



#68
m/p-Xylenes
Concen: 40.376 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion: 106 Resp: 801023
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.4

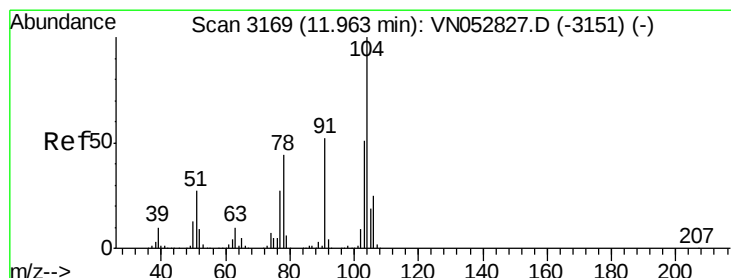
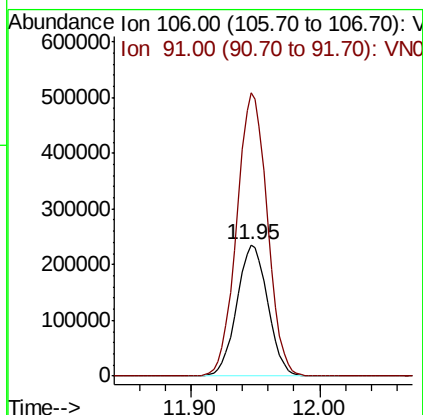
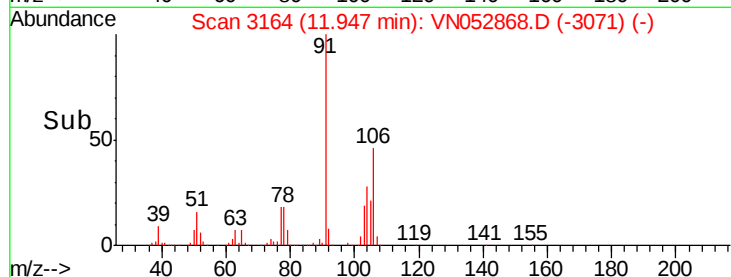
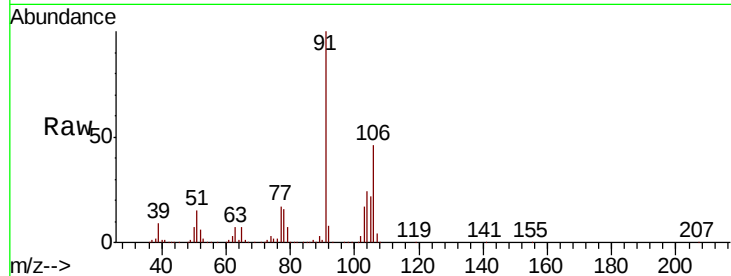




#69
o-Xylene
Concen: 20.227 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

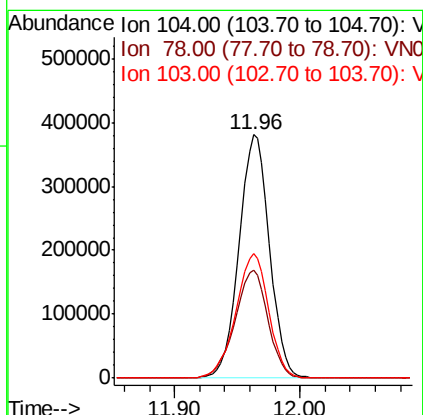
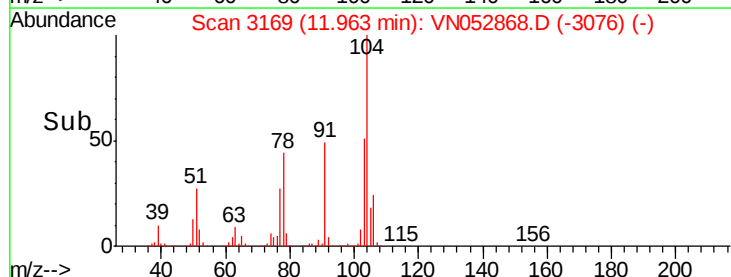
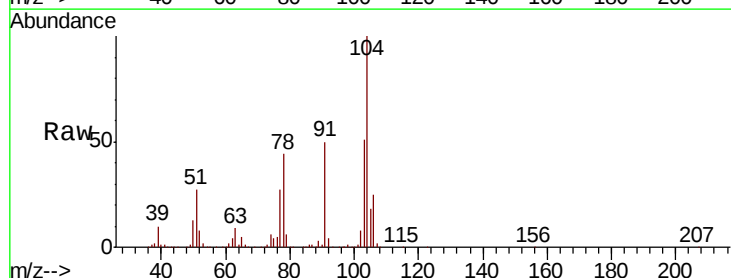
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

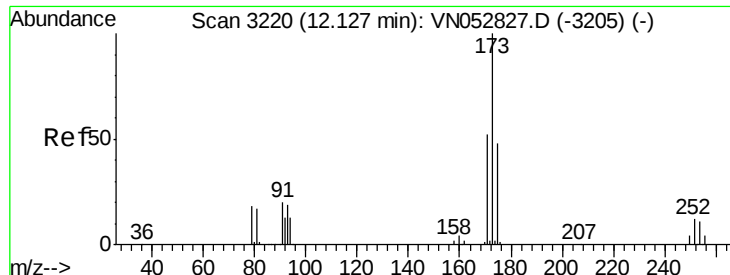
Tot Ion:106 Resp: 391854
Ion Ratio Lower Upper
106 100
91 213.8 106.6 319.8



#70
Styrene
Concen: 20.540 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion:104 Resp: 639657
Ion Ratio Lower Upper
104 100
78 48.3 38.9 58.3
103 55.4 44.3 66.5

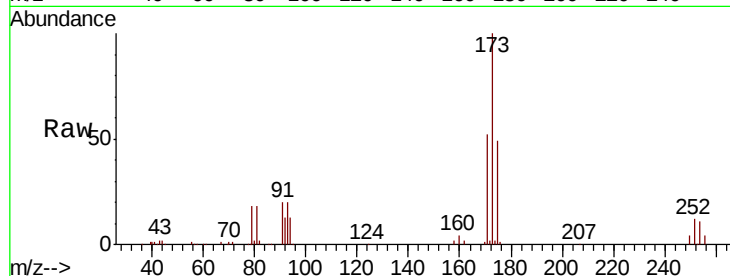




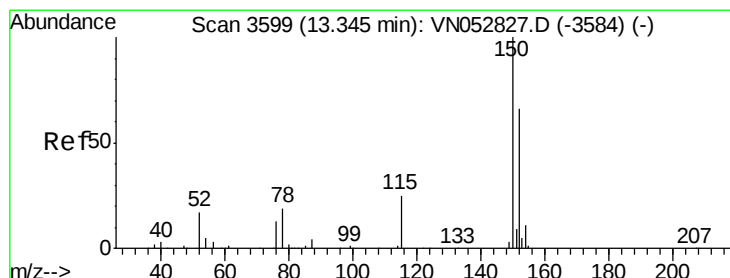
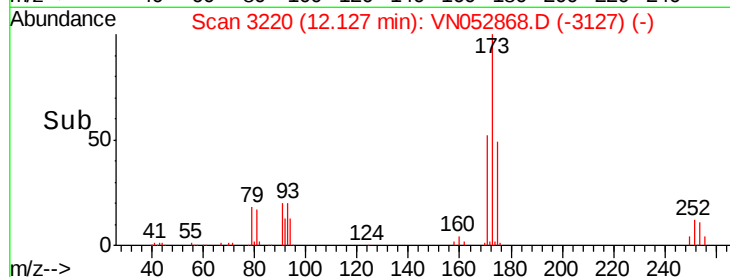
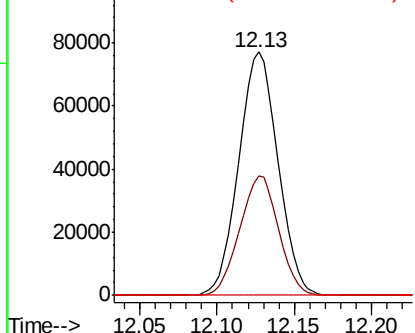
#71
Bromoform
Concen: 18.707 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tot Ion:173 Resp: 135985
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.9
254 0.0 0.1 0.1#

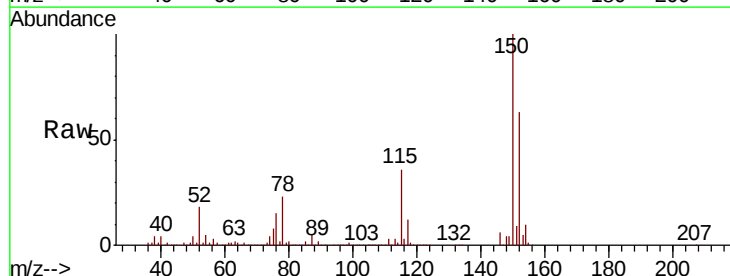


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

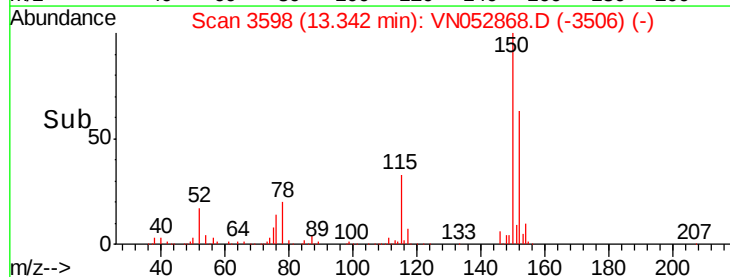
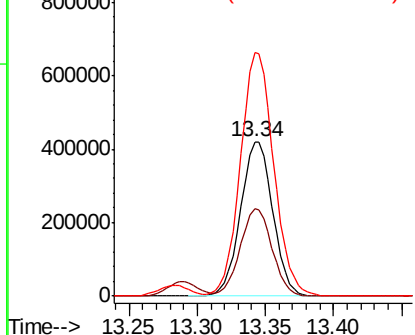


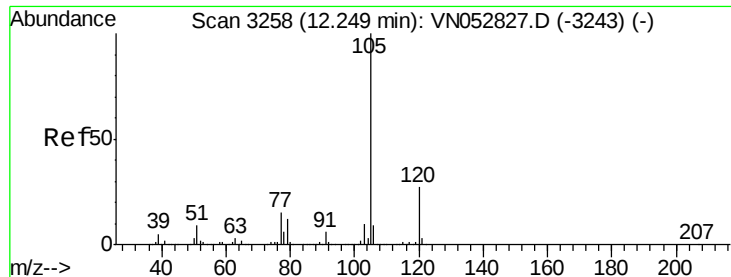
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion:152 Resp: 687165
Ion Ratio Lower Upper
152 100
115 56.2 28.3 85.0
150 163.5 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.348 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

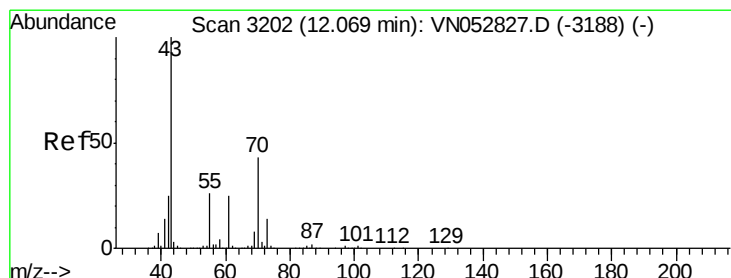
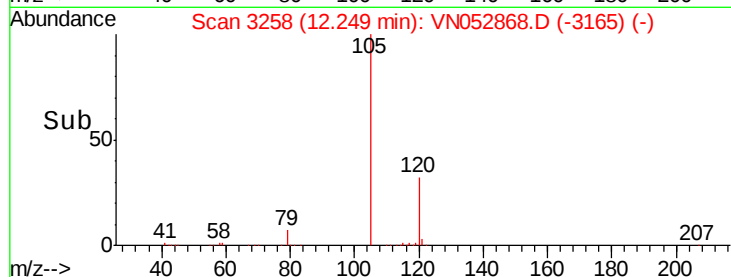
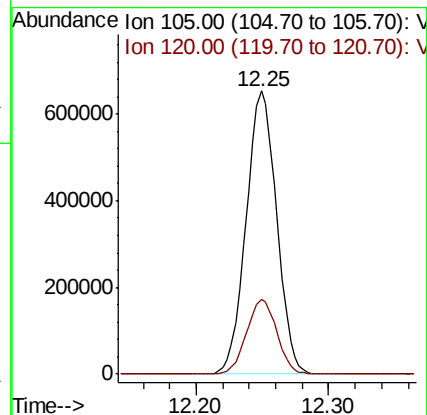
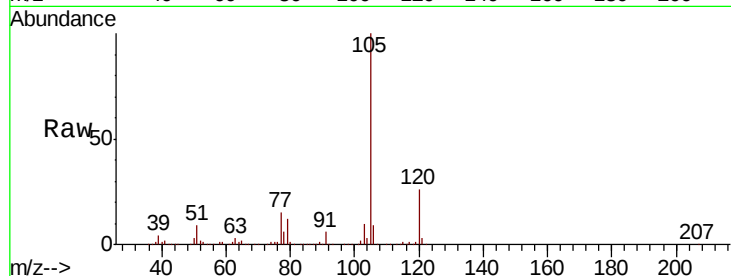
VN1213WBSD01

Tot Ion:105 Resp: 1043969

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#74

N-ethyl acetate

Concen: 19.640 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Tgt Ion: 43 Resp: 276648

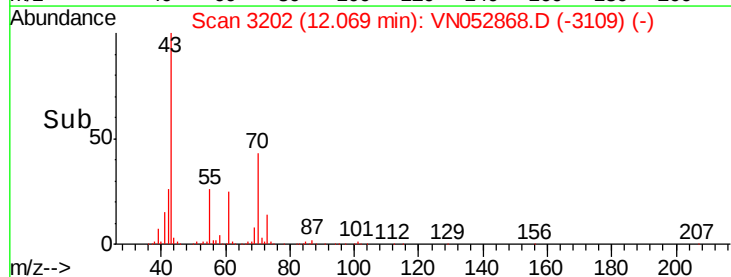
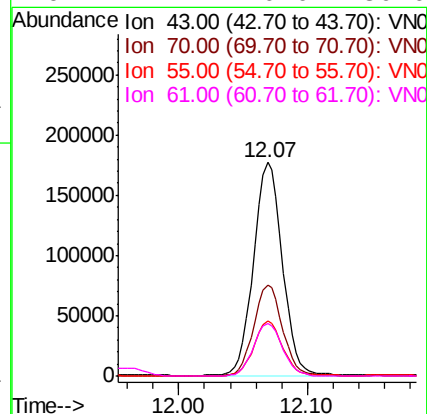
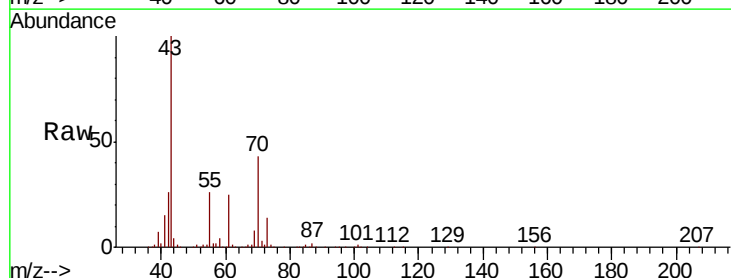
Ion Ratio Lower Upper

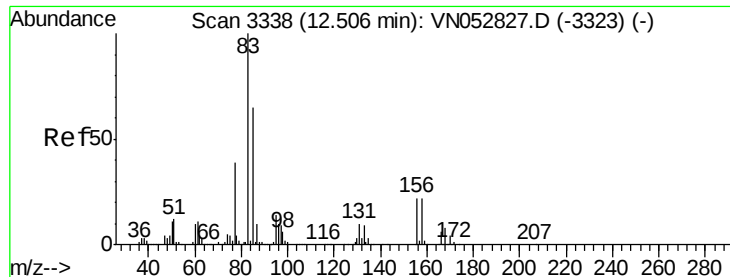
43 100

70 42.8 34.2 51.4

55 25.6 20.3 30.5

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

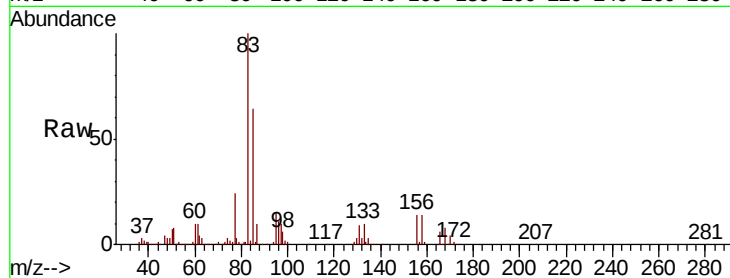
Tot Ion: 83 Resp: 226169

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

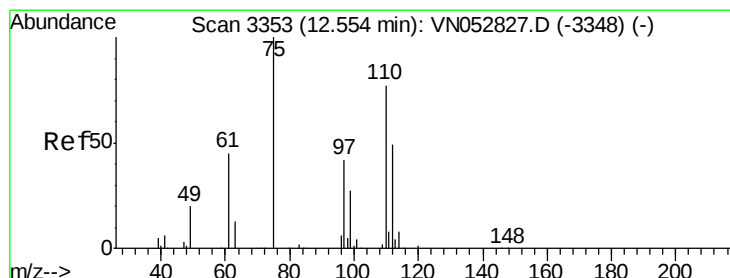
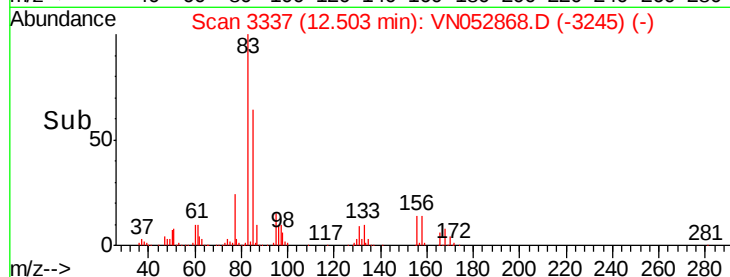
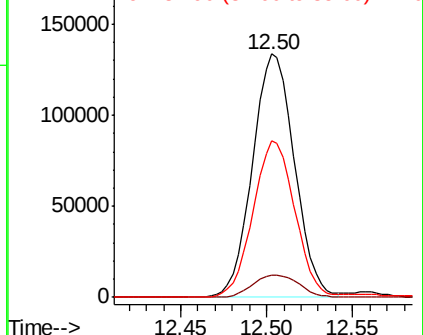
85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.882 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052868.D

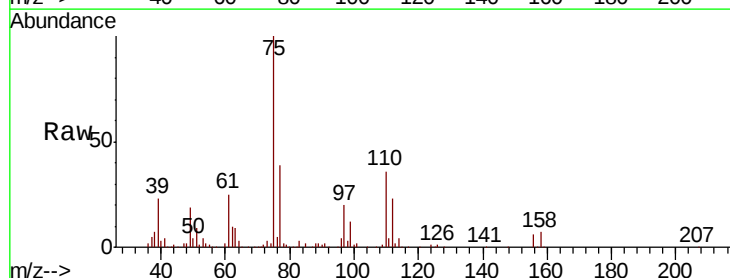
Acq: 13 Dec 2018 16:54

Tgt Ion: 75 Resp: 282675

Ion Ratio Lower Upper

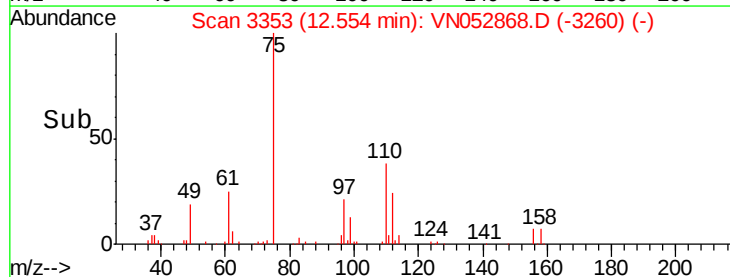
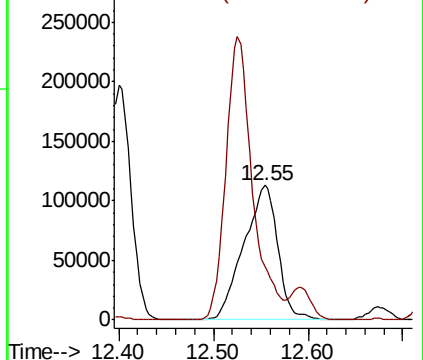
75 100

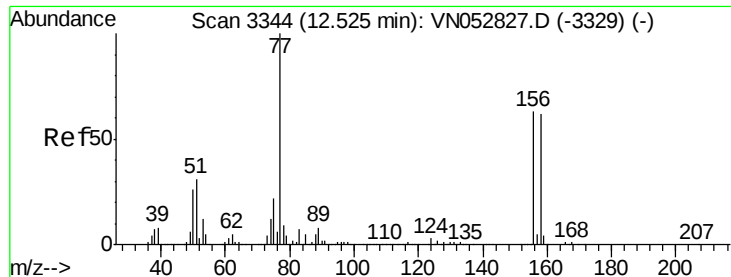
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.144 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

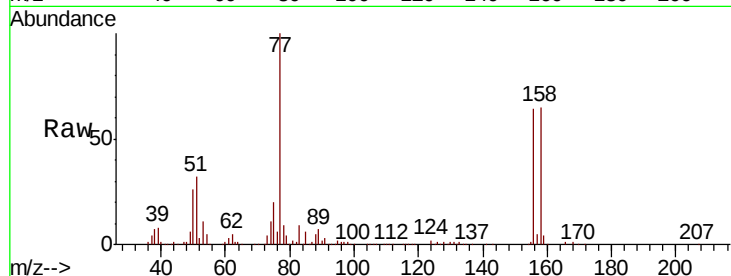
Tot Ion:156 Resp: 262870

Ion Ratio Lower Upper

156 100

77 178.9 91.3 273.8

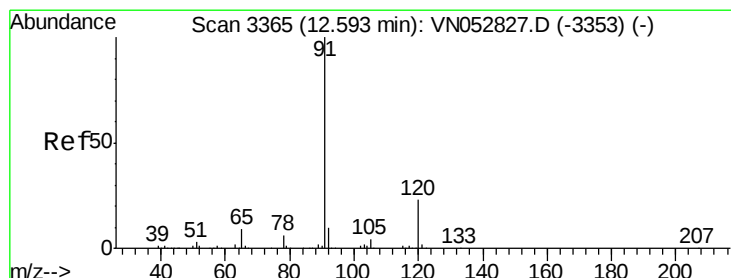
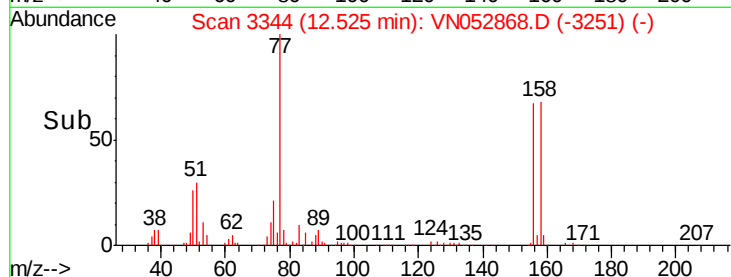
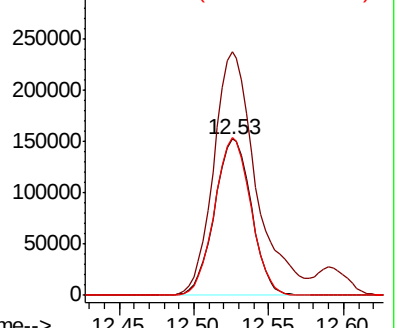
158 99.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.969 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052868.D

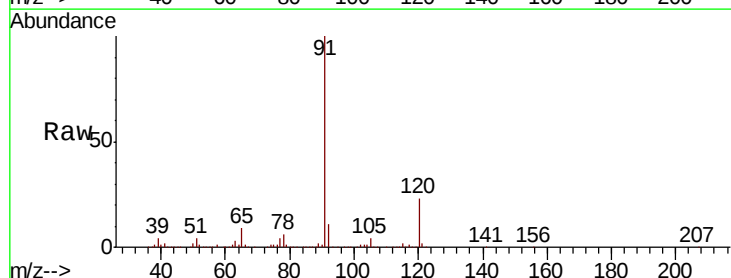
Acq: 13 Dec 2018 16:54

Tgt Ion: 91 Resp: 1168445

Ion Ratio Lower Upper

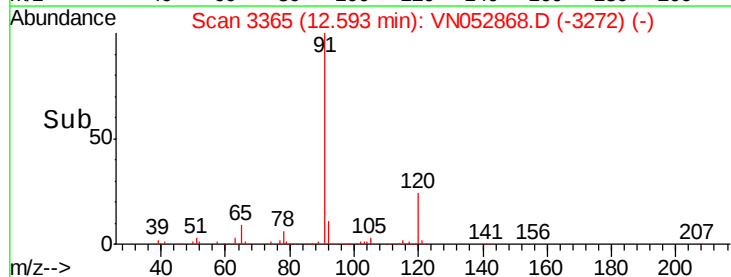
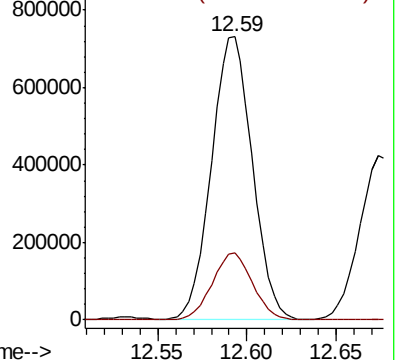
91 100

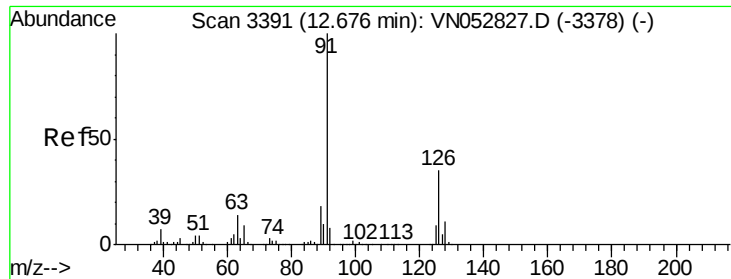
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.063 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

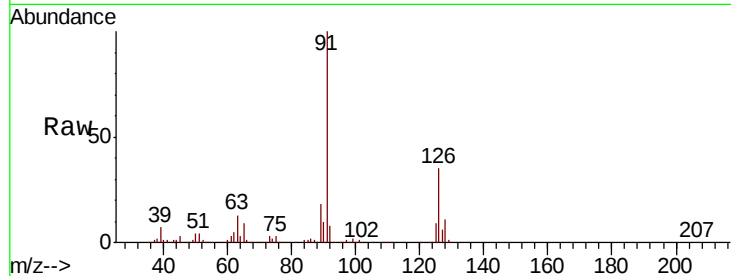
VN1213WBSD01

Tot Ion: 91 Resp: 694047

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)

800000

600000

400000

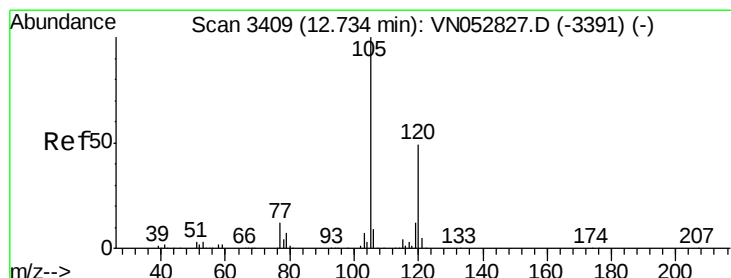
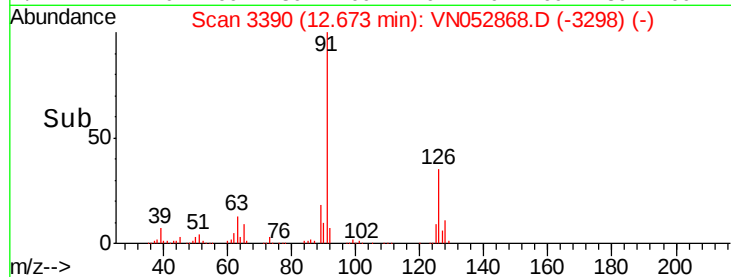
200000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.300 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052868.D

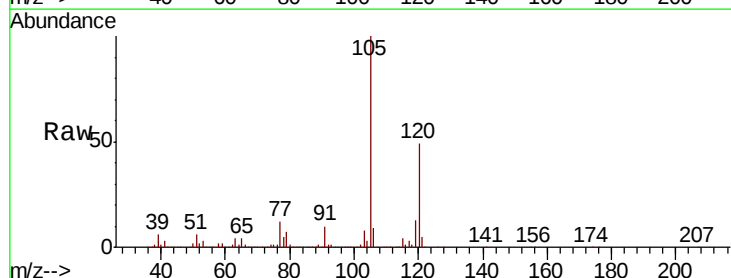
Acq: 13 Dec 2018 16:54

Tgt Ion: 105 Resp: 840762

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)

600000

500000

400000

300000

200000

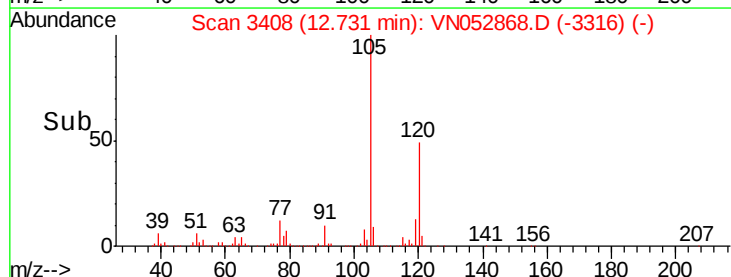
100000

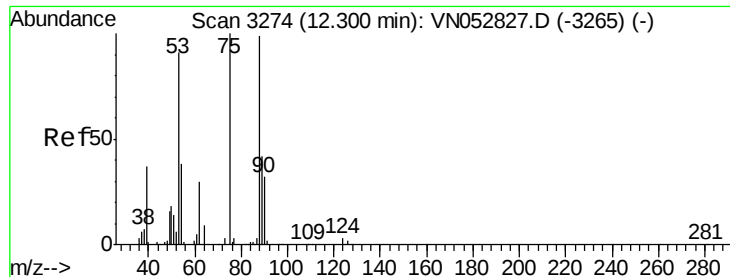
0

12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.189 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

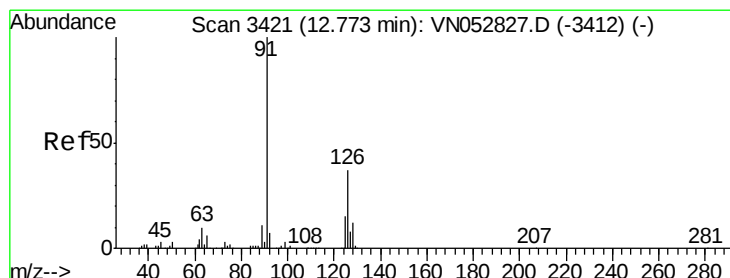
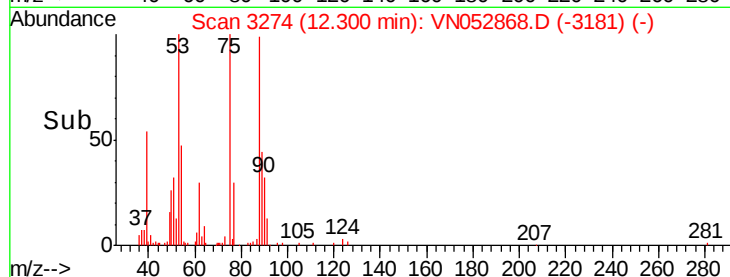
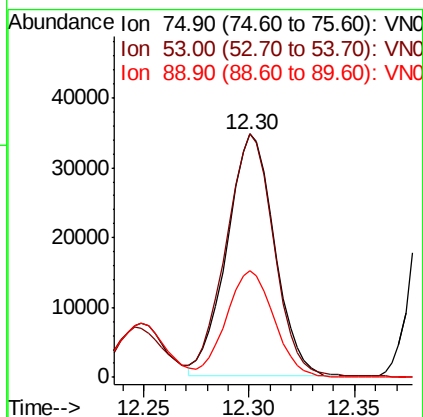
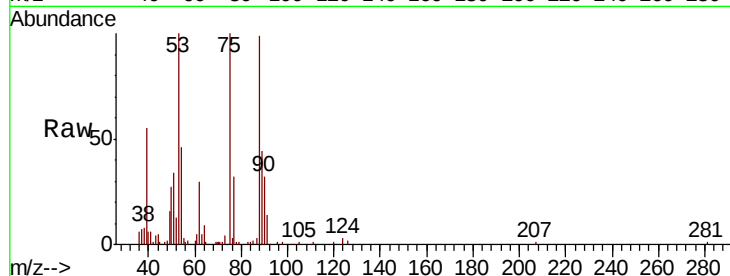
Tot Ion: 75 Resp: 54246

Ion Ratio Lower Upper

75 100

53 100.7 74.7 112.1

89 44.1 36.1 54.1



#82

4-Chlorotoluene

Concen: 19.743 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052868.D

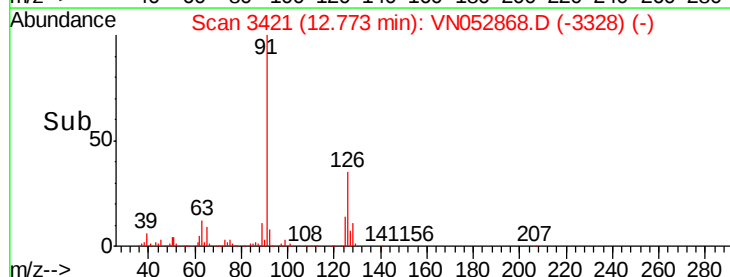
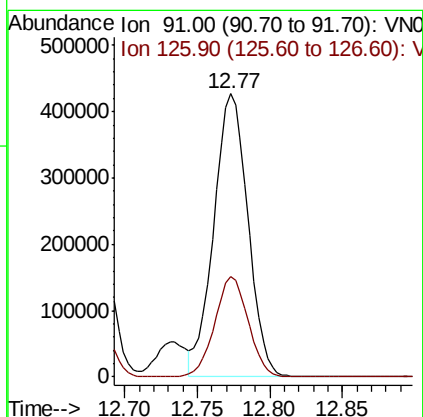
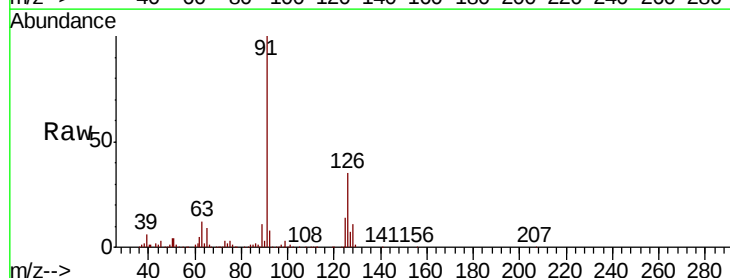
Acq: 13 Dec 2018 16:54

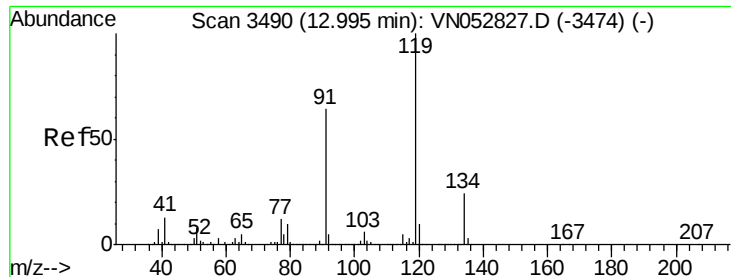
Tgt Ion: 91 Resp: 698286

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7

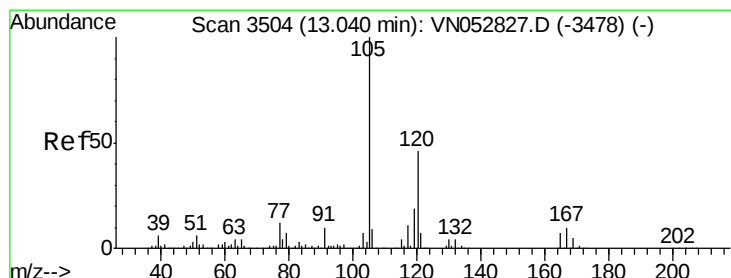
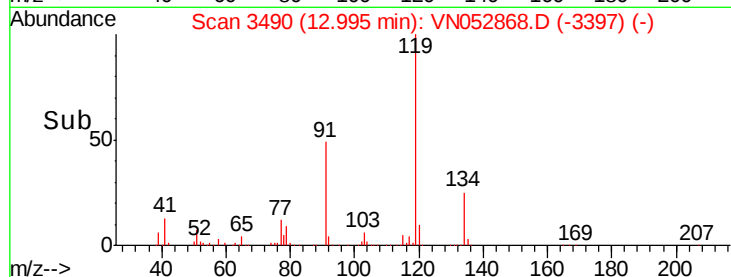
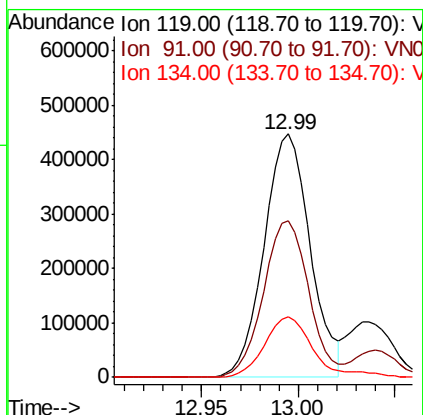
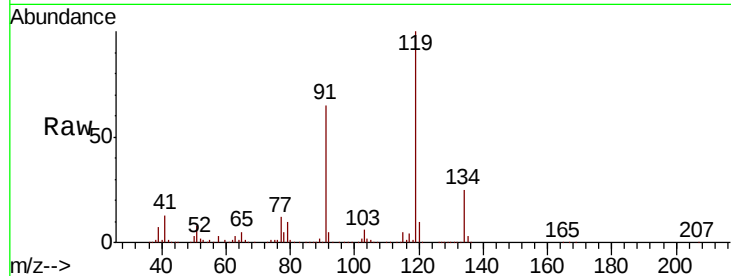




#83
 tert-Butylbenzene
 Concen: 20.329 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

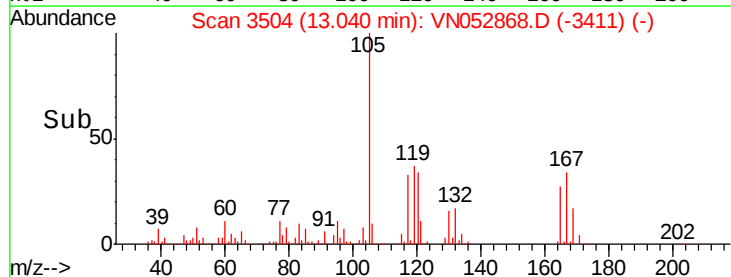
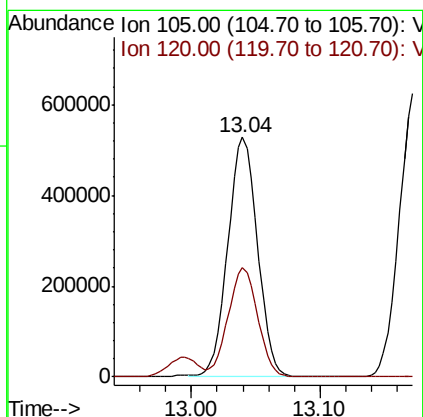
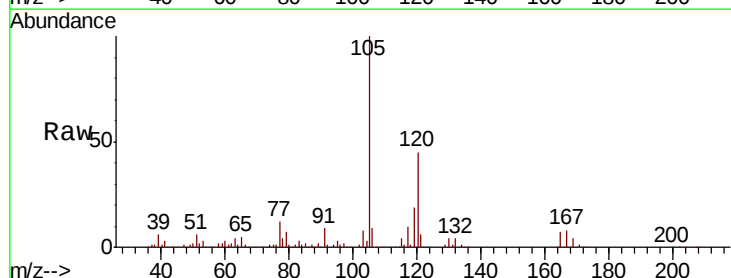
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

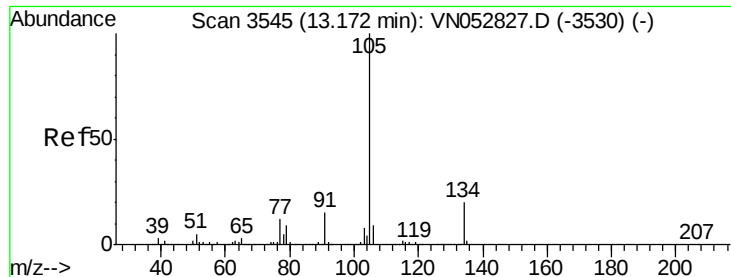
Tot Ion:119 Resp: 742742
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.9 95.5
 134 26.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.058 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion:105 Resp: 841018
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.954 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

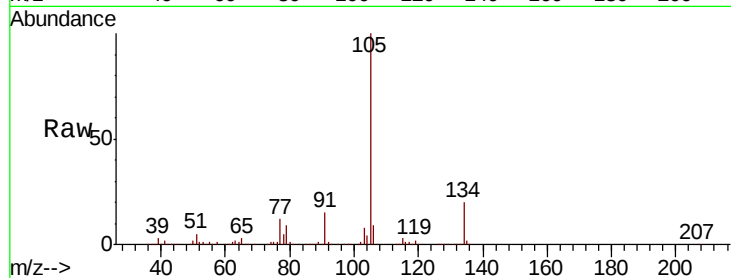
VN1213WBSD01

Tot Ion:105 Resp: 987321

Ion Ratio Lower Upper

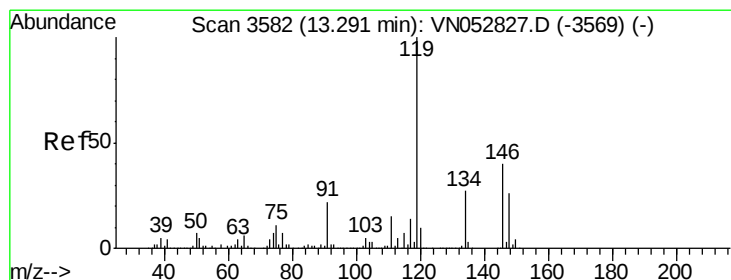
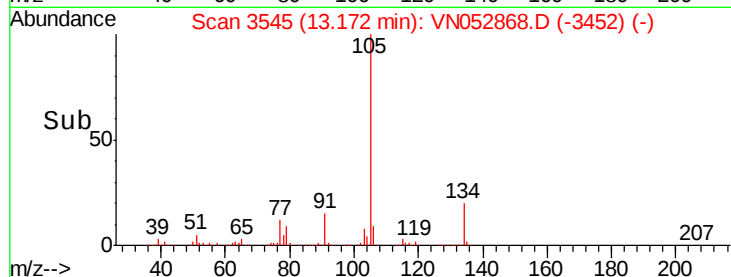
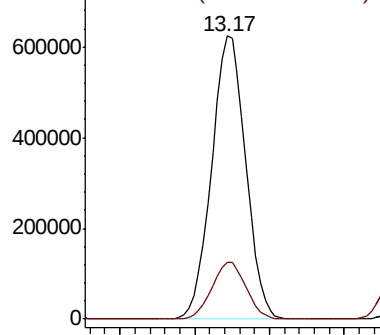
105 100

134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.887 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

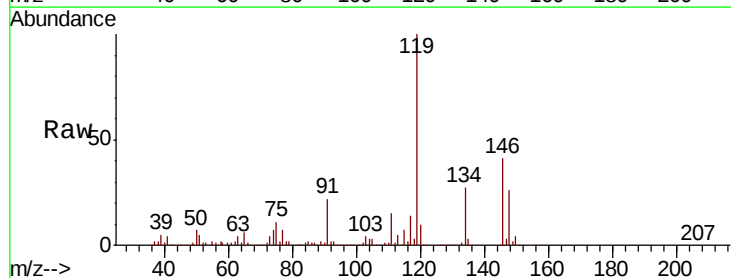
Tgt Ion:119 Resp: 852481

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

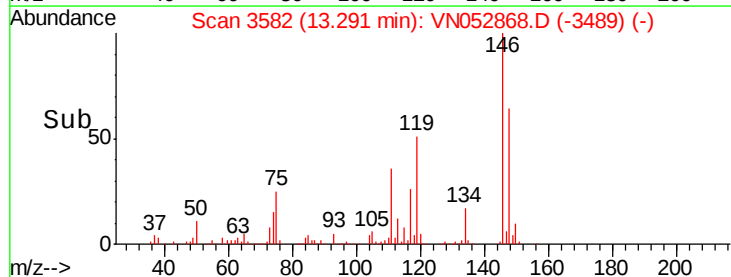
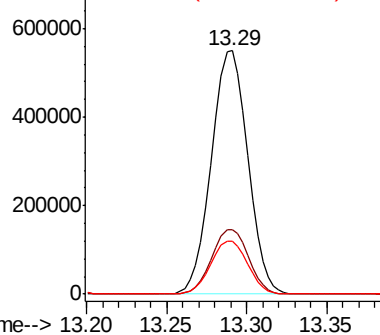
91 22.1 11.1 33.3

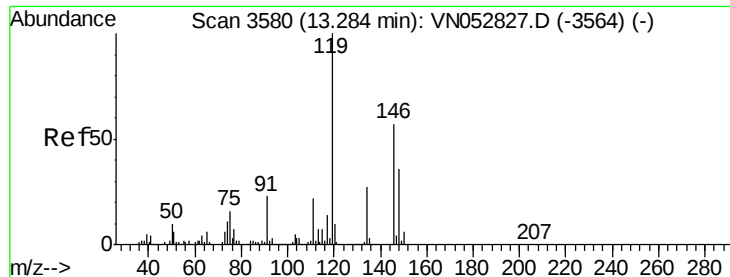


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.997 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

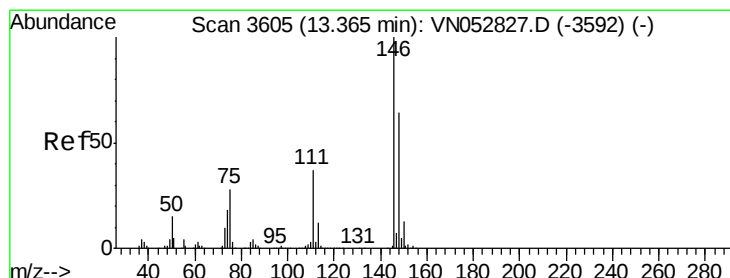
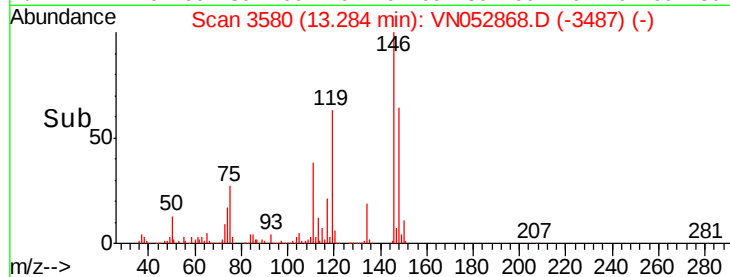
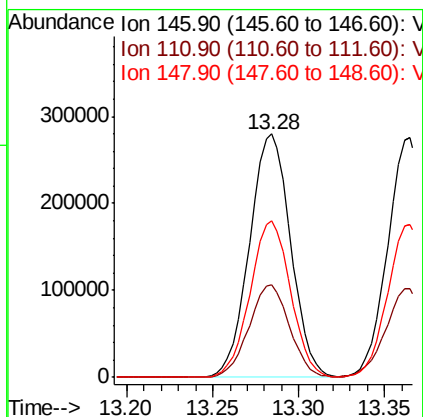
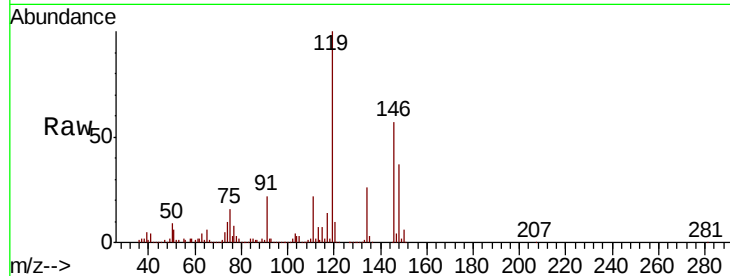
Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_N
ClientSampled :
VN1213WBSD01

Tot Ion:146 Resp: 463733

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	63.2	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 19.598 ug/l

RT: 13.36 min Scan# 3605

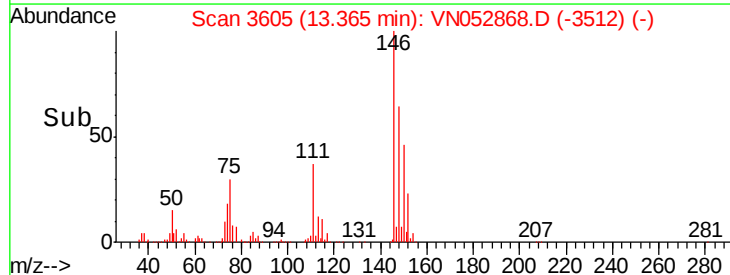
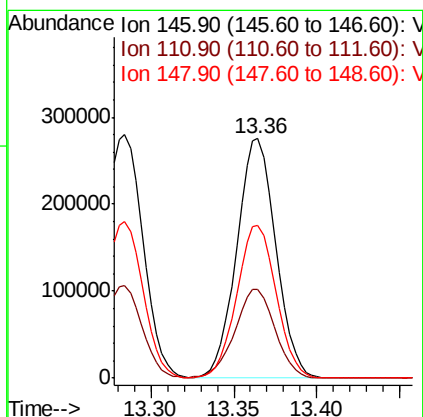
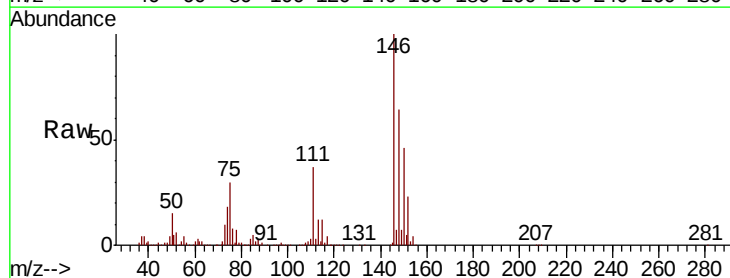
Delta R.T. 0.00 min

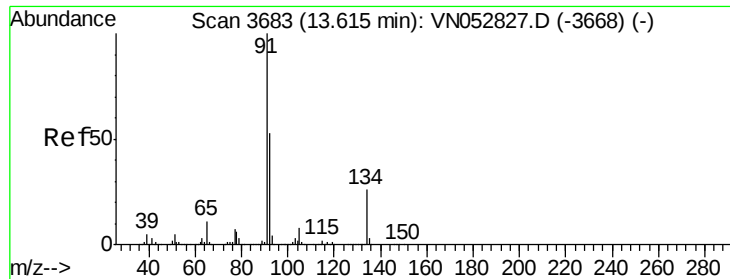
Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Tgt Ion:146 Resp: 450076

Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	64.6	32.1	96.5





#89

n-Butylbenzene

Concen: 19.103 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

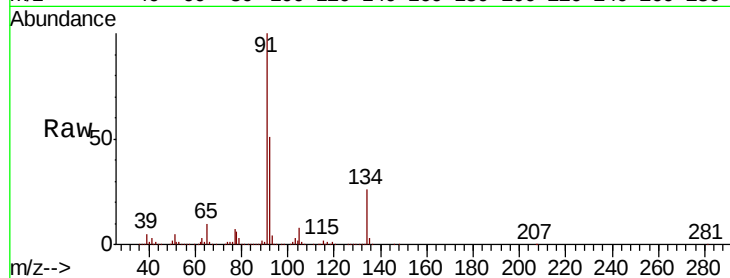
Tot Ion: 91 Resp: 689387

Ion Ratio Lower Upper

91 100

92 51.7 26.3 78.9

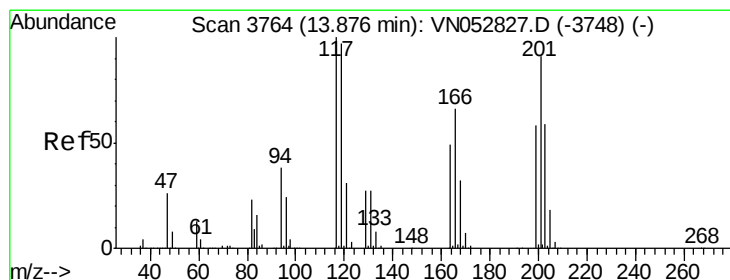
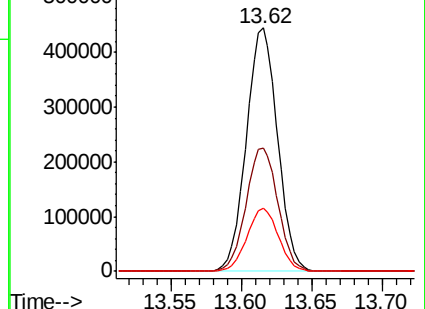
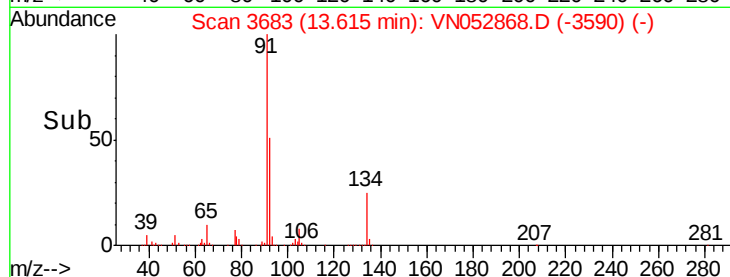
134 26.2 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.073 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052868.D

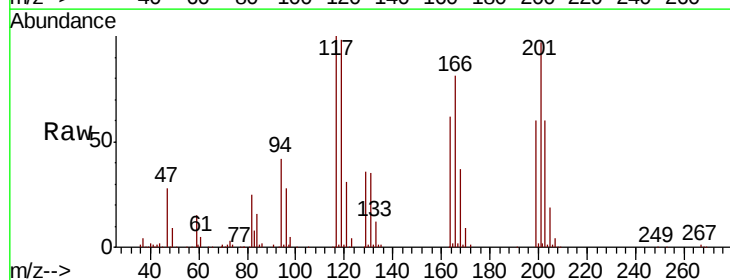
Acq: 13 Dec 2018 16:54

Tgt Ion: 117 Resp: 129732

Ion Ratio Lower Upper

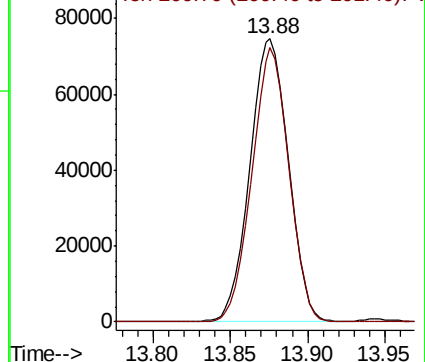
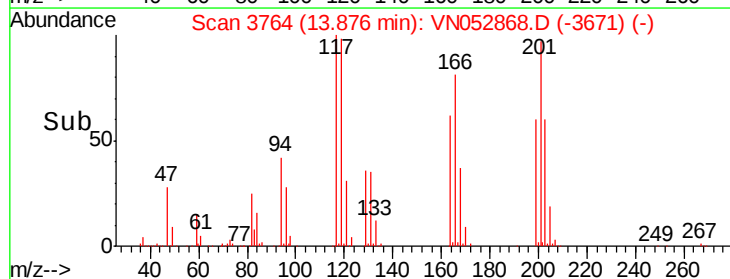
117 100

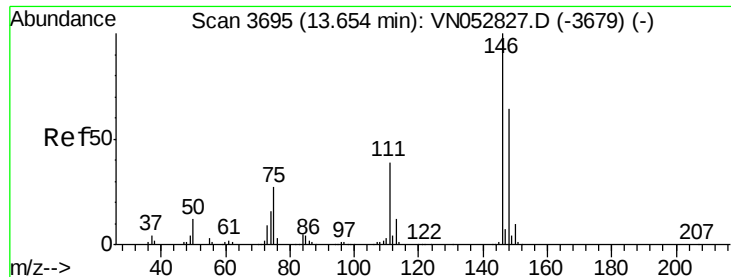
201 92.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.809 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

Instrument :

MSVOA_N

ClientSampled :

VN1213WBSD01

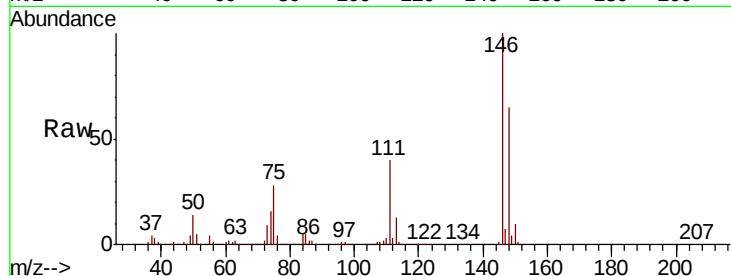
Tot Ion:146 Resp: 441888

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

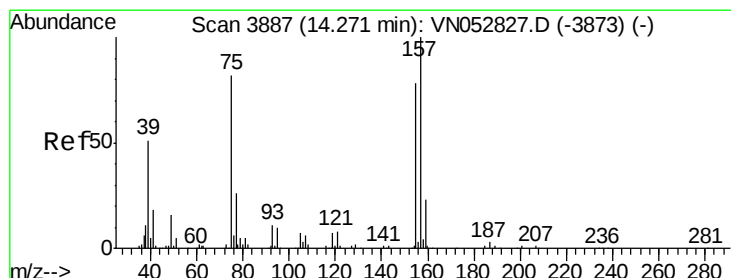
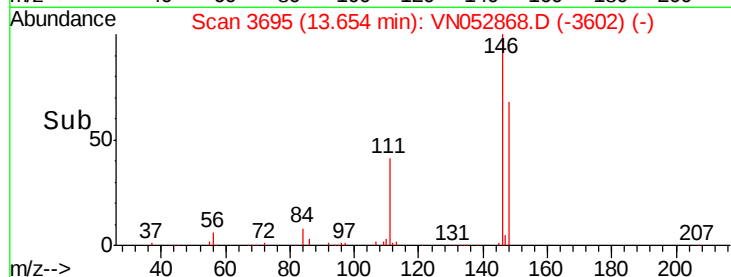
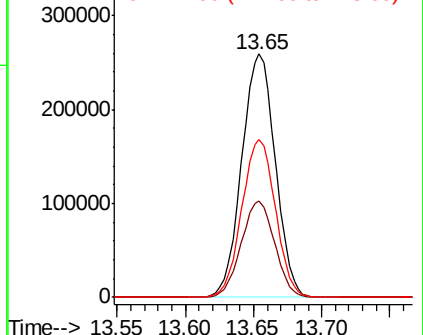
148 64.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.767 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052868.D

Acq: 13 Dec 2018 16:54

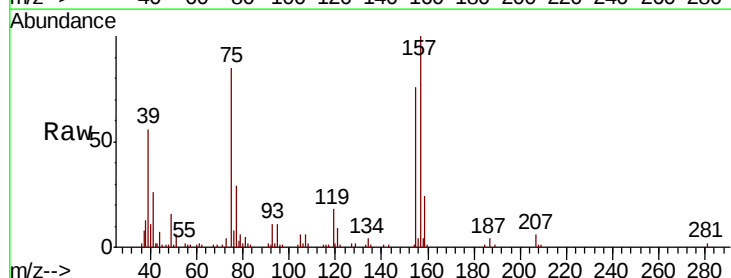
Tgt Ion: 75 Resp: 32529

Ion Ratio Lower Upper

75 100

155 95.1 48.2 144.6

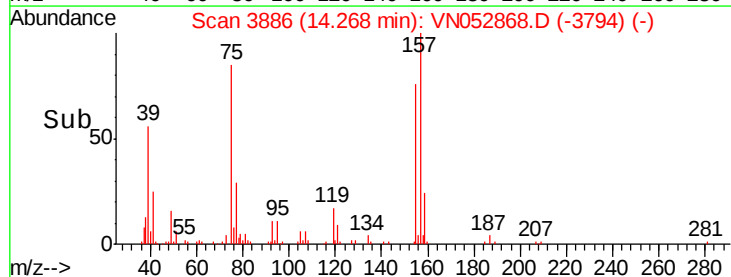
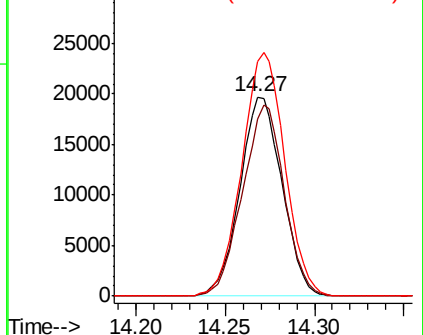
157 124.4 61.2 183.5

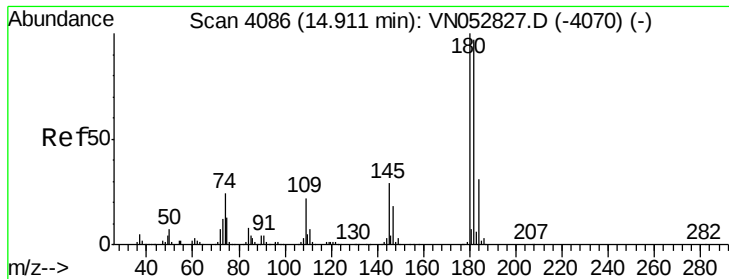


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

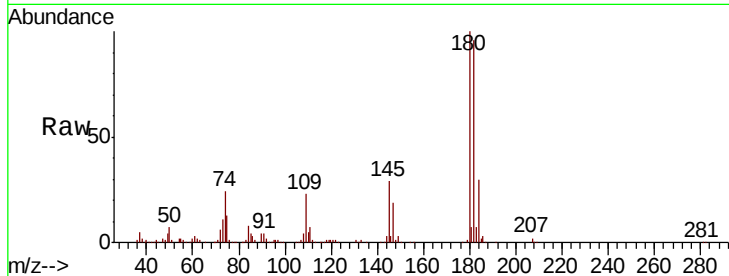




#93
 1,2,4-Trichlorobenzene
 Concen: 19.498 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	29.2	14.2	42.6

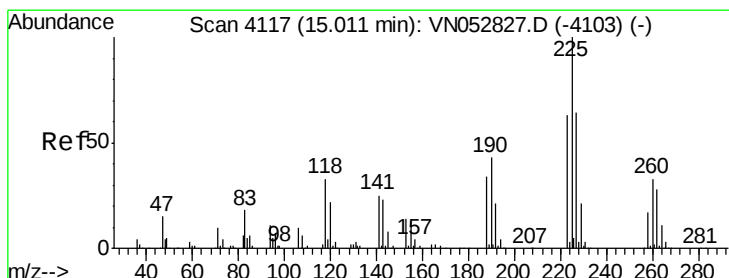
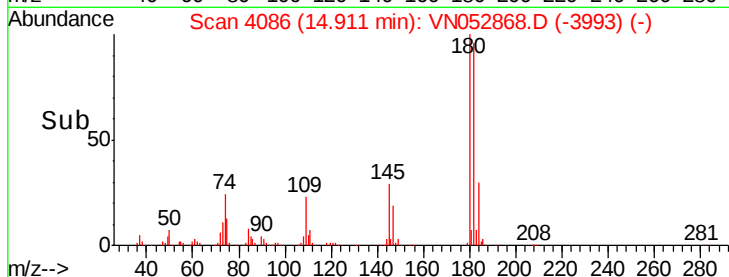
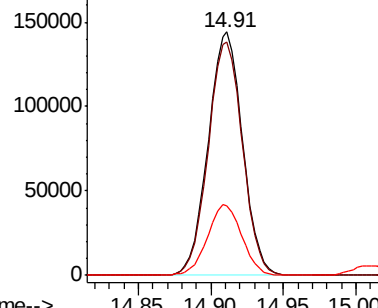


Abundance

Ion 179.80 (179.50 to 180.50): V

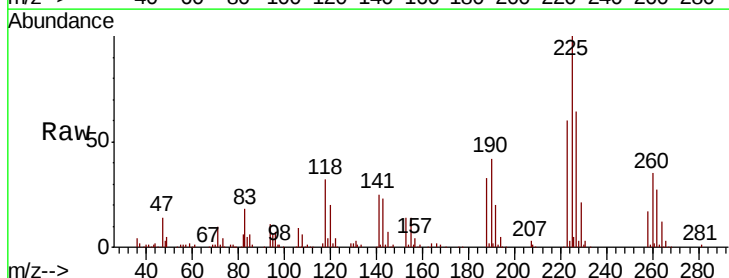
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.361 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052868.D
 Acq: 13 Dec 2018 16:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.5	94.5
227	63.4	31.9	95.7

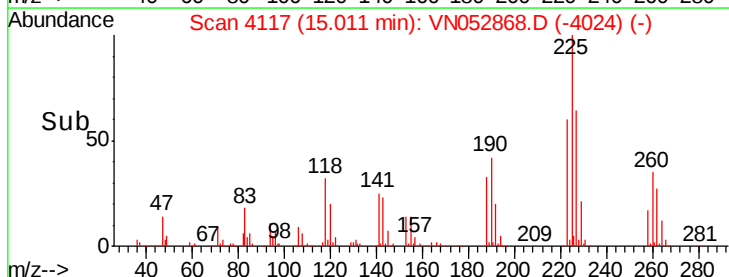
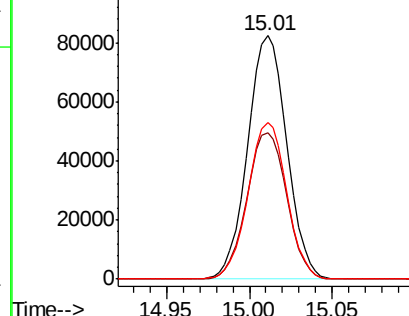


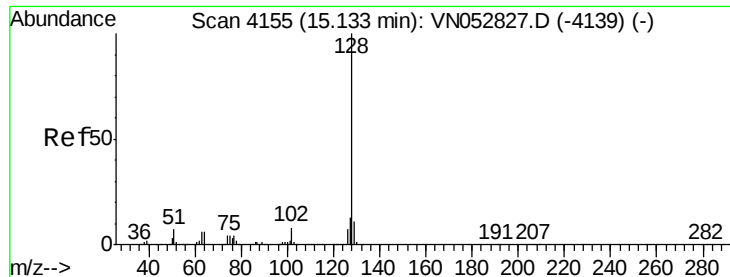
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

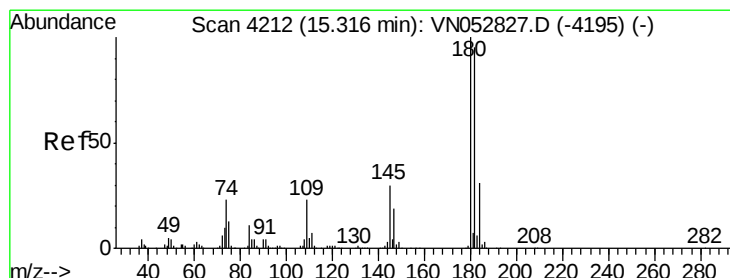
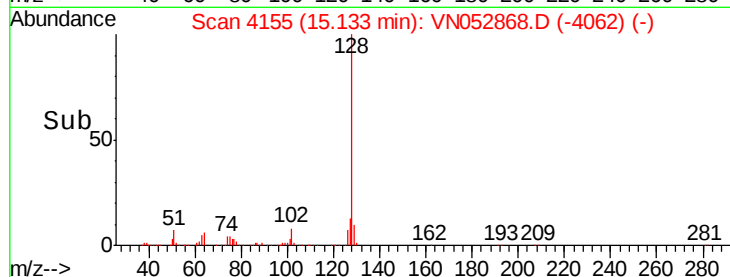
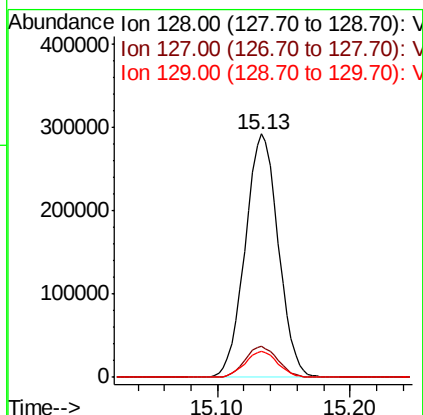
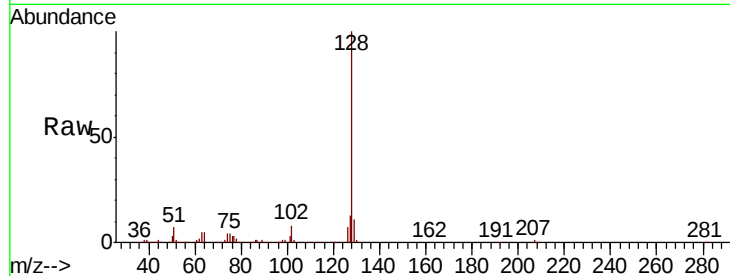




#95
Naphthalene
Concen: 20.214 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tot Ion:128 Resp: 507654
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.557 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052868.D
Acq: 13 Dec 2018 16:54

Tgt Ion:180 Resp: 217600
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.7
145 30.8 15.0 45.0

