

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053882.D
 Acq On : 21 Feb 2019 10:35
 Operator : JC/SP
 Sample : VN0221WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Quant Time: Feb 22 00:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	388157	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	321932	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	308388	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.09	98	1145122	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	368524	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	108687	19.699	ug/l	98
3) Chloromethane	2.06	50	133768	19.502	ug/l	99
4) Vinyl Chloride	2.19	62	149693	20.331	ug/l	99
5) Bromomethane	2.58	94	113199	20.994	ug/l	100
6) Chloroethane	2.71	64	96769	20.335	ug/l	98
7) Trichlorofluoromethane	3.02	101	206950	19.793	ug/l	99
8) Diethyl Ether	3.41	74	69184	18.823	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	119096	18.901	ug/l	100
10) Methyl Iodide	3.96	142	170694	18.267	ug/l	100
11) Tert butyl alcohol	4.78	59	38636	95.362	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	113436	19.249	ug/l	98
13) Acrolein	3.61	56	40630	140.307	ug/l	97
14) Allyl chloride	4.33	41	167677	18.800	ug/l	96
15) Acrylonitrile	4.99	53	208343	102.078	ug/l	99
16) Acetone	3.82	43	165046	92.468	ug/l	99
17) Carbon Disulfide	4.06	76	344650	18.882	ug/l	98
18) Methyl Acetate	4.32	43	80199	19.038	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	303930	20.327	ug/l	98
20) Methylene Chloride	4.55	84	129435	19.370	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	123596	19.982	ug/l	98
22) Diisopropyl ether	5.95	45	340934	20.506	ug/l	96
23) Vinyl Acetate	5.90	43	1228693	102.798	ug/l	99
24) 1,1-Dichloroethane	5.85	63	226519	20.123	ug/l	100
25) 2-Butanone	6.84	43	225474	97.896	ug/l	95
26) 2,2-Dichloropropane	6.82	77	167519	19.611	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	139305	20.105	ug/l	99
28) Bromochloromethane	7.20	49	93699	19.072	ug/l	100
29) Tetrahydrofuran	7.21	42	156303	104.935	ug/l	99
30) Chloroform	7.37	83	224828	19.877	ug/l	100
31) Cyclohexane	7.66	56	207229	19.779	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	188173	19.444	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165227	18.782	ug/l	100
37) Ethyl Acetate	6.93	43	104962	19.955	ug/l	99
38) Carbon Tetrachloride	7.77	117	171397	19.514	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196247	19.360	ug/l	97
40) Benzene	8.04	78	510948	19.647	ug/l	99
41) Methacrylonitrile	7.18	41	54143	18.600	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	154077	19.874	ug/l	99
43) Isopropyl Acetate	8.16	43	172823	18.418	ug/l #	91
44) Trichloroethene	8.84	130	142460	19.568	ug/l	97
45) 1,2-Dichloropropane	9.12	63	137333	20.684	ug/l	99
46) Dibromomethane	9.21	93	83225	20.818	ug/l	99
47) Bromodichloromethane	9.40	83	168823	20.018	ug/l	99
48) Methyl methacrylate	9.20	41	79669	19.803	ug/l	92
49) 1,4-Dioxane	9.20	88	25279	401.573	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	454829	98.403	ug/l	99
52) Toluene	10.16	92	317813	20.622	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	161914	19.771	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	196182	20.325	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117803	20.910	ug/l	99
56) Ethyl methacrylate	10.43	69	128379	19.310	ug/l	98
57) 1,3-Dichloropropane	10.71	76	193538	20.403	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	273008	92.508	ug/l	99
59) 2-Hexanone	10.75	43	289404	98.307	ug/l	100
60) Dibromochloromethane	10.90	129	131202	19.952	ug/l	100
61) 1,2-Dibromoethane	11.01	107	111321	19.889	ug/l	99
64) Tetrachloroethene	10.63	164	144349	18.974	ug/l	99
65) Chlorobenzene	11.43	112	346208	19.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	127095	19.558	ug/l	99
67) Ethyl Benzene	11.51	91	565874	19.634	ug/l	100
68) m/p-Xylenes	11.62	106	444990	39.876	ug/l	98
69) o-Xylene	11.95	106	217527	20.248	ug/l	99
70) Styrene	11.96	104	345093	20.470	ug/l	100
71) Bromoform	12.13	173	88876	19.271	ug/l #	97
73) Isopropylbenzene	12.25	105	569827	20.838	ug/l	100
74) N-amyl acetate	12.07	43	122008	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	132498	20.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	162042	28.438	ug/l #	100
77) Bromobenzene	12.53	156	148851	20.292	ug/l	98
78) n-propylbenzene	12.59	91	640972	20.961	ug/l	100
79) 2-Chlorotoluene	12.68	91	381098	20.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	484941	21.365	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33506	19.412	ug/l	98
82) 4-Chlorotoluene	12.77	91	382196	20.807	ug/l	100
83) tert-Butylbenzene	12.99	119	426596	20.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	484315	21.274	ug/l	100
85) sec-Butylbenzene	13.17	105	572600	20.866	ug/l	99
86) p-Isopropyltoluene	13.29	119	498083	20.913	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	254533	19.885	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251880	19.557	ug/l	99
89) n-Butylbenzene	13.62	91	393584	20.096	ug/l	100
90) Hexachloroethane	13.87	117	87421	19.214	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	251667	20.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19533	20.705	ug/l	98

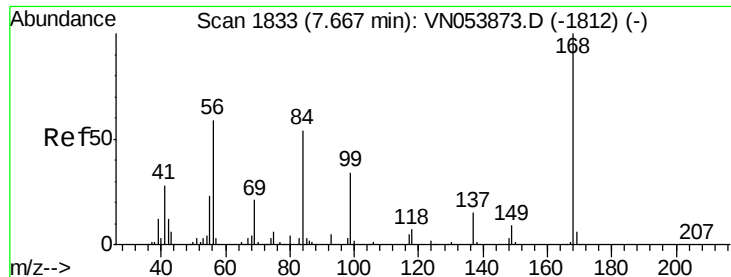
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	123432	18.201	ug/l	99
94) Hexachlorobutadiene	15.01	225	97742	18.663	ug/l	99
95) Naphthalene	15.13	128	239417	18.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125634	19.077	ug/l	99

(#) = 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: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

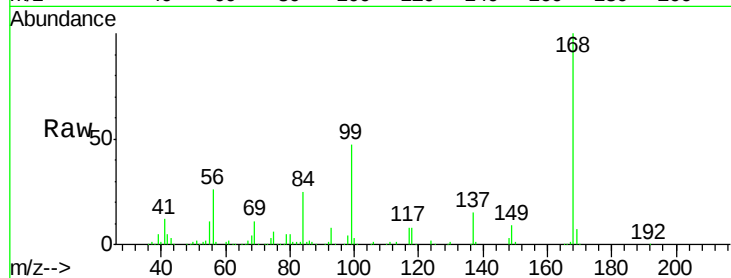
VN0221WBS01

Tot Ion:168 Resp: 635043

Ion Ratio Lower Upper

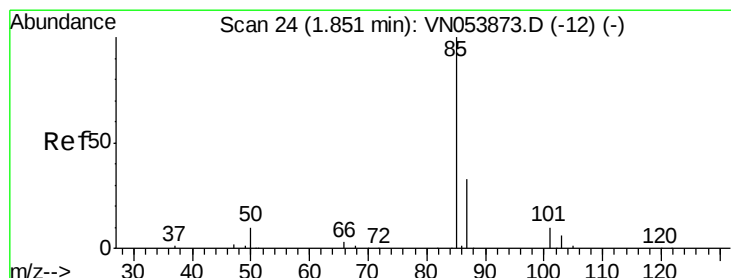
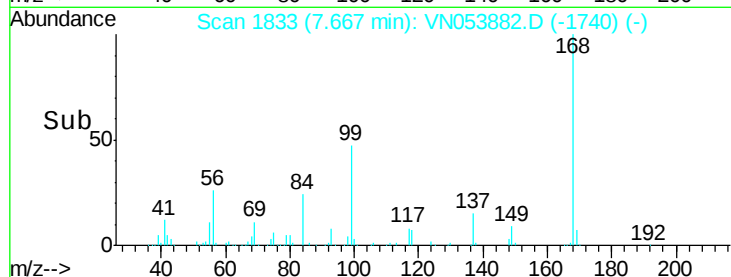
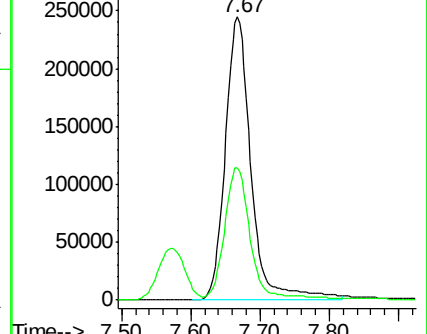
168 100

99 45.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.699 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053882.D

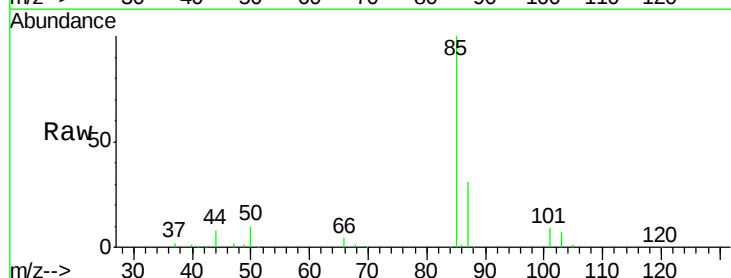
Acq: 21 Feb 2019 10:35

Tgt Ion: 85 Resp: 108687

Ion Ratio Lower Upper

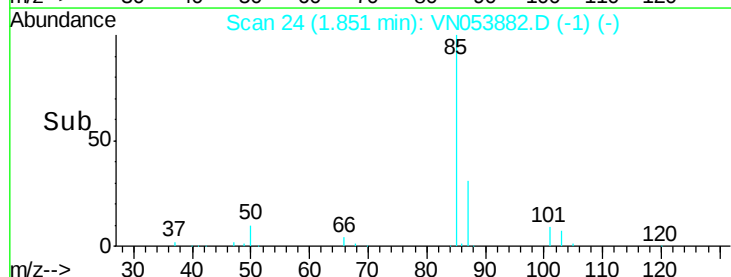
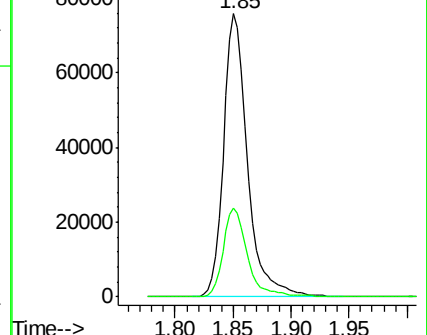
85 100

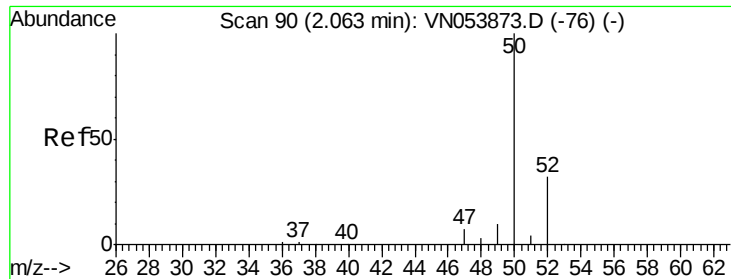
87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.502 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

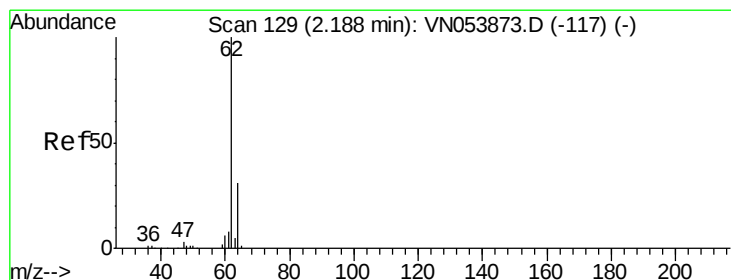
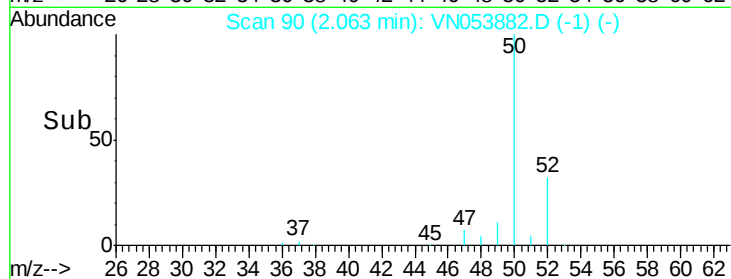
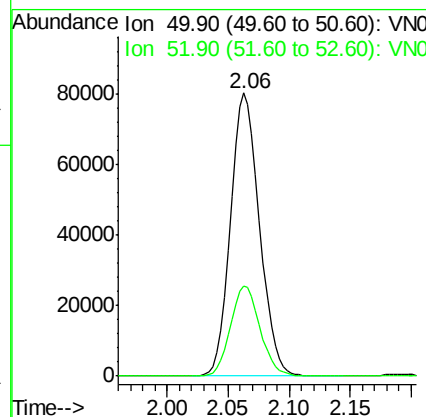
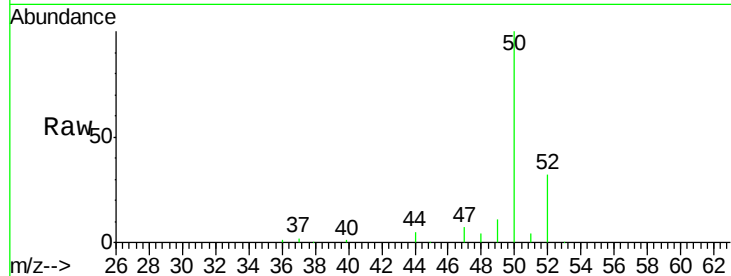
VN0221WBS01

Tot Ion: 50 Resp: 133768

Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0



#4

Vinyl Chloride

Concen: 20.331 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053882.D

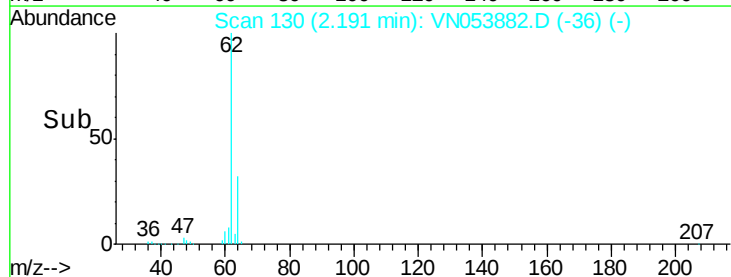
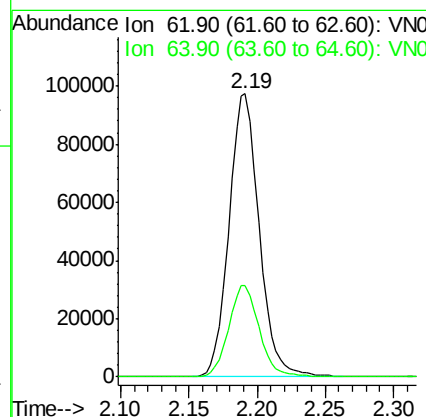
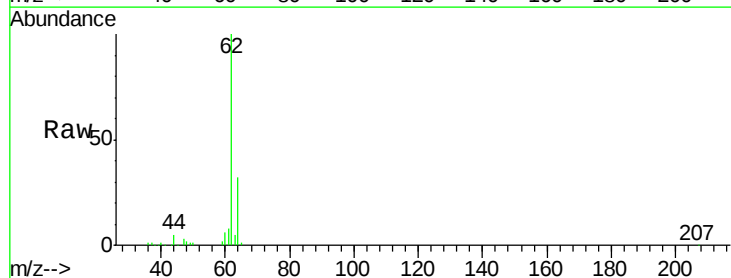
Acq: 21 Feb 2019 10:35

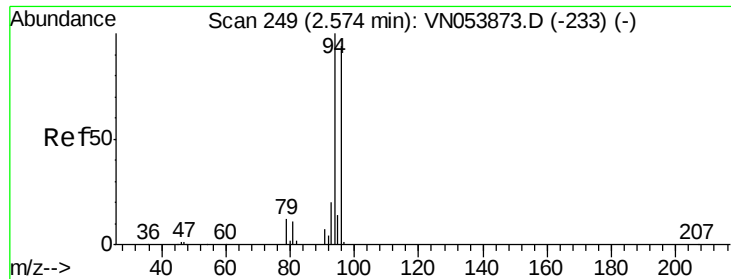
Tgt Ion: 62 Resp: 149693

Ion Ratio Lower Upper

62 100

64 32.2 25.1 37.7

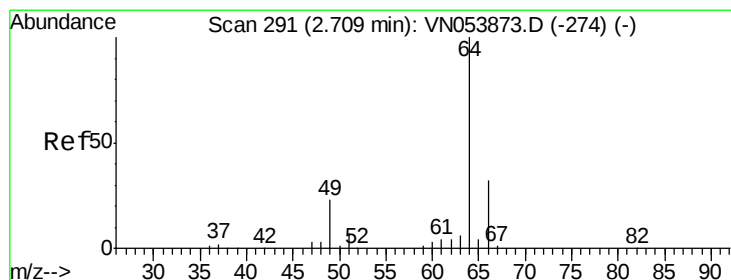
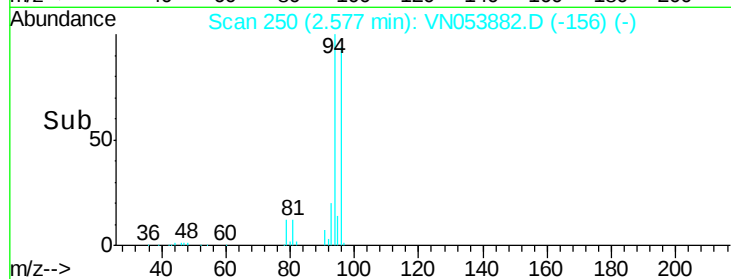
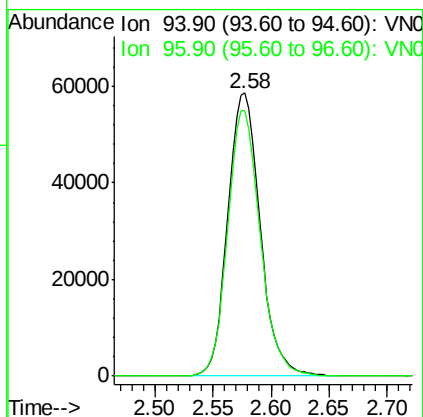
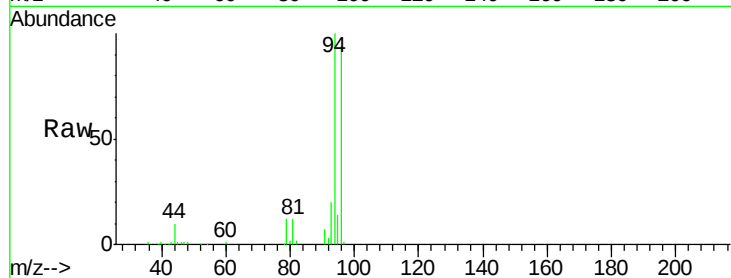




#5
Bromomethane
Concen: 20.994 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

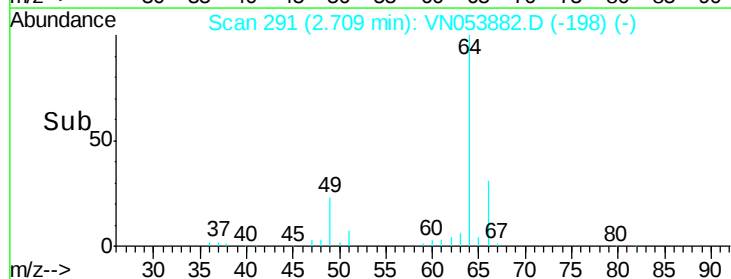
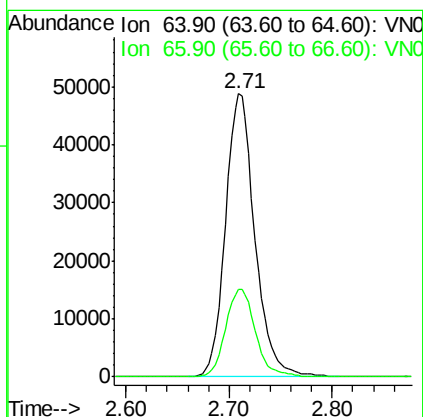
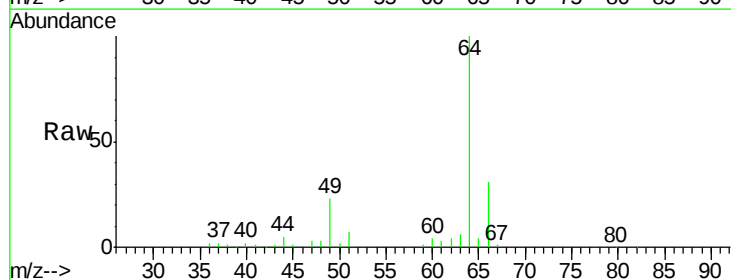
Instrument :
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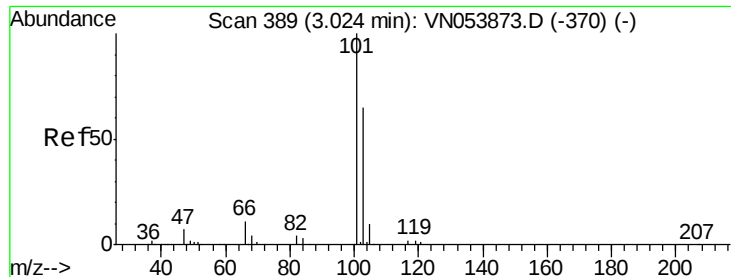
Tot Ion: 94 Resp: 113199
Ion Ratio Lower Upper
94 100
96 93.7 74.9 112.3



#6
Chloroethane
Concen: 20.335 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 64 Resp: 96769
Ion Ratio Lower Upper
64 100
66 30.9 25.5 38.3



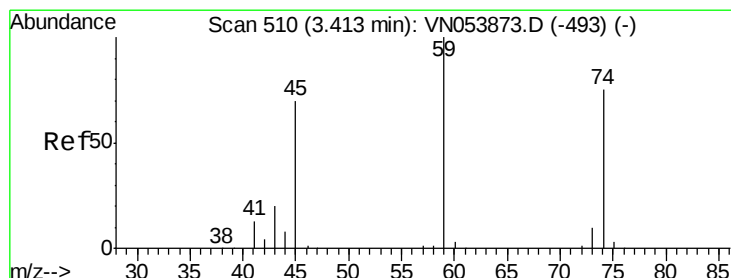
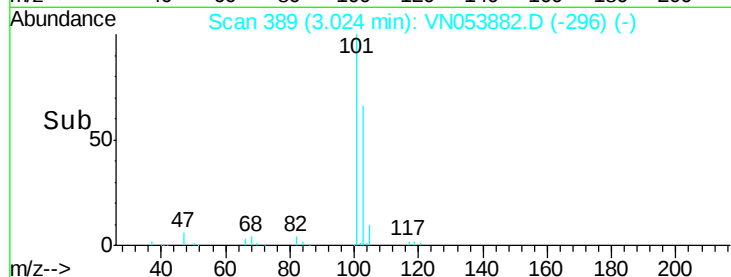
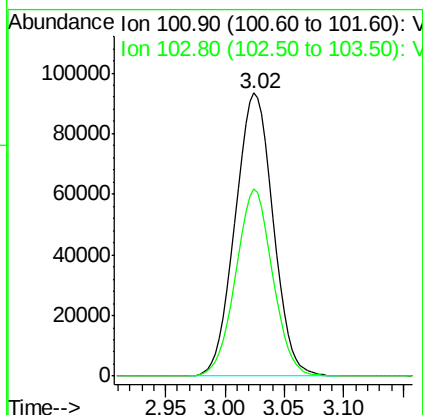
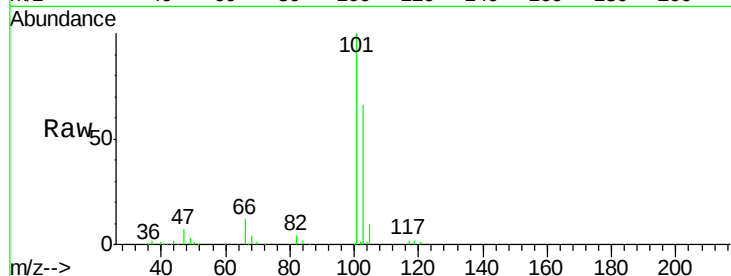


#7

Trichlorofluoromethane
Concen: 19.793 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

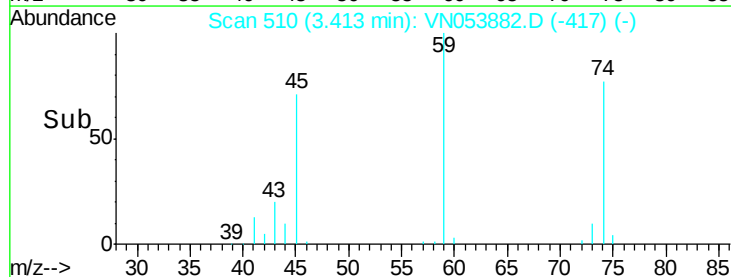
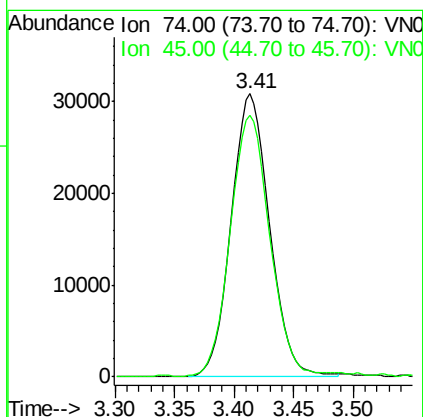
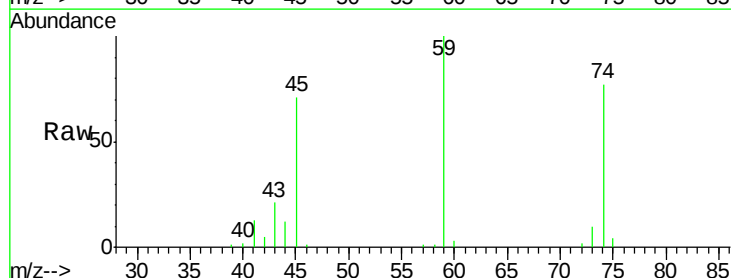
Tot Ion:101 Resp: 206950
Ion Ratio Lower Upper
101 100
103 66.0 51.9 77.9

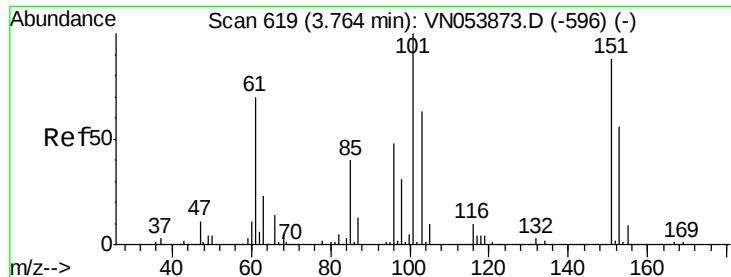


#8

Diethyl Ether
Concen: 18.823 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 74 Resp: 69184
Ion Ratio Lower Upper
74 100
45 95.1 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.901 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

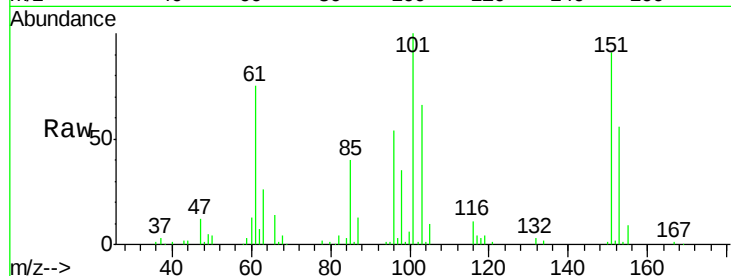
Tot Ion:101 Resp: 119096

Ion Ratio Lower Upper

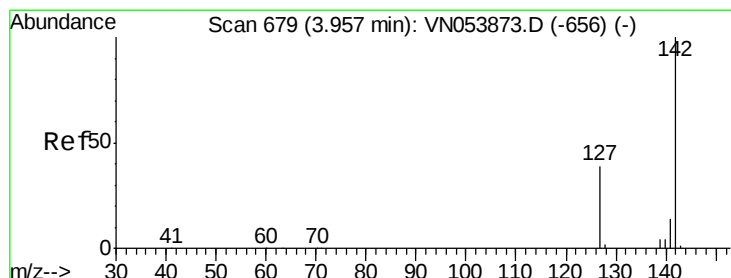
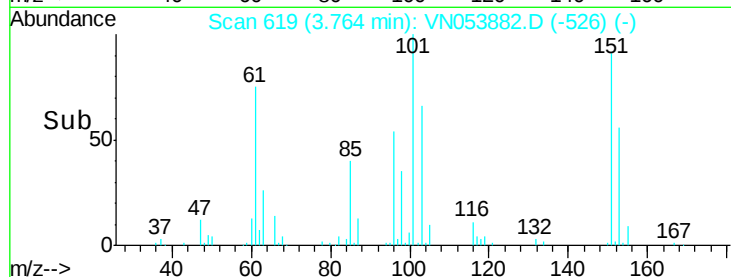
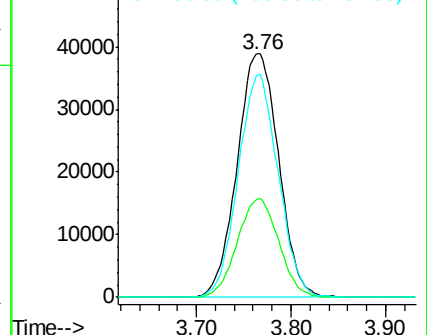
101 100

85 40.2 32.5 48.7

151 87.9 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.267 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

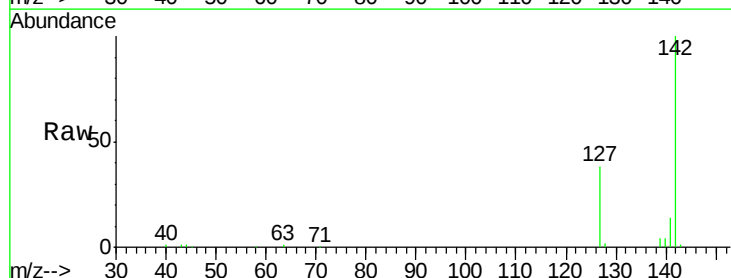
Tgt Ion:142 Resp: 170694

Ion Ratio Lower Upper

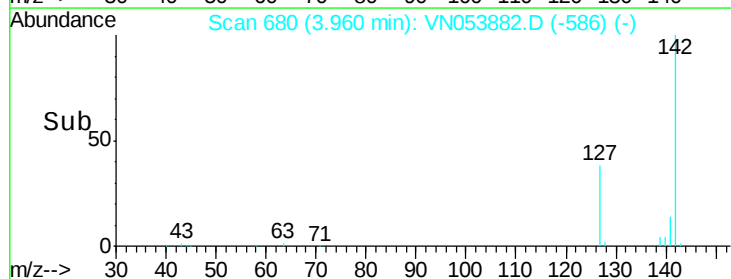
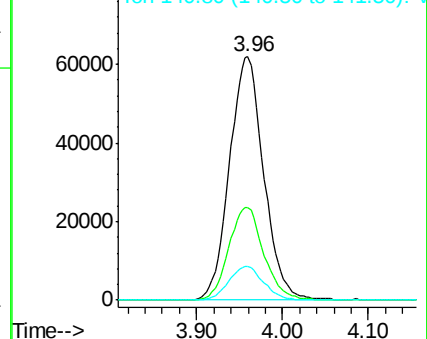
142 100

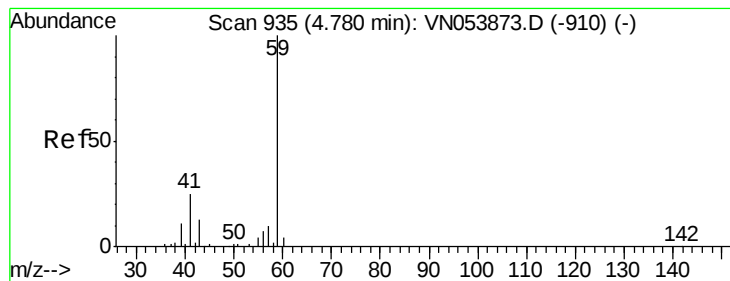
127 39.1 31.0 46.4

141 14.0 11.3 16.9



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



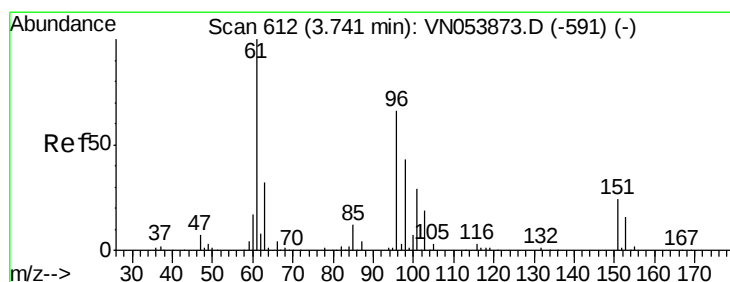
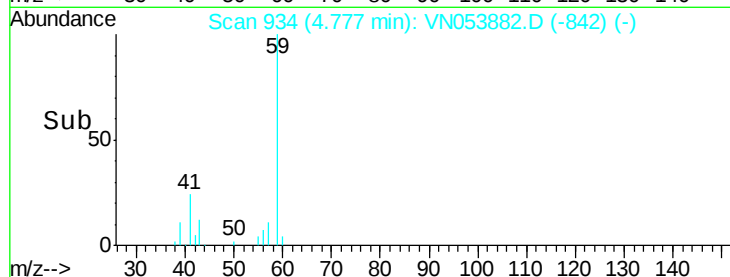
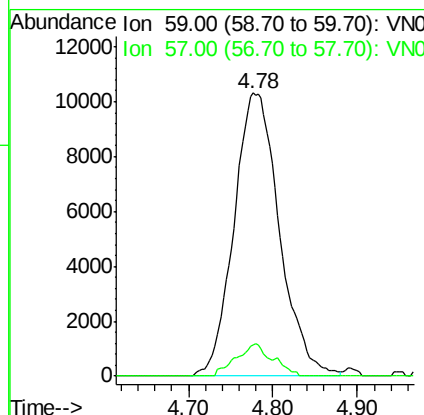
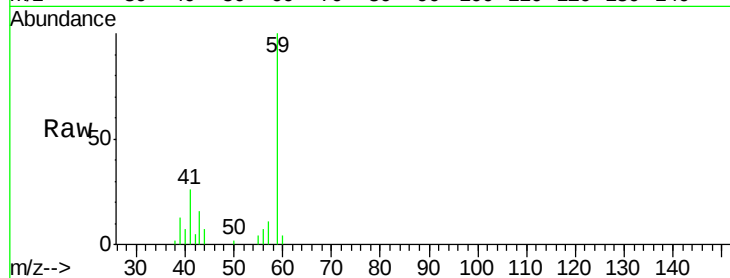


#11

Tert butyl alcohol
Concen: 95.362 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

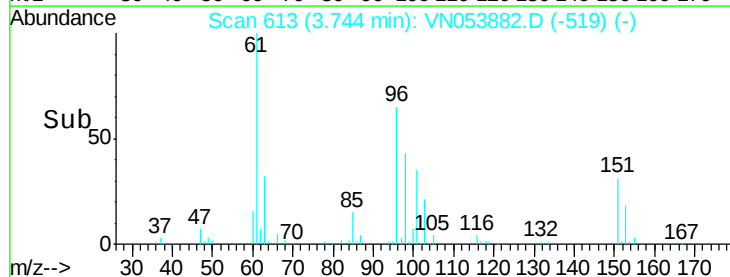
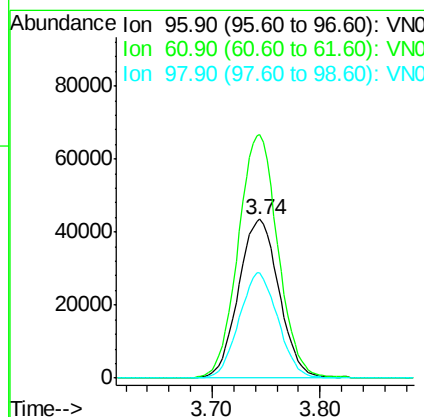
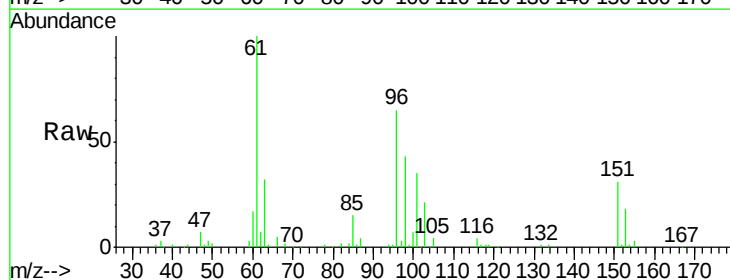
Tot Ion: 59 Resp: 38636
Ion Ratio Lower Upper
59 100
57 7.5 8.1 12.1#

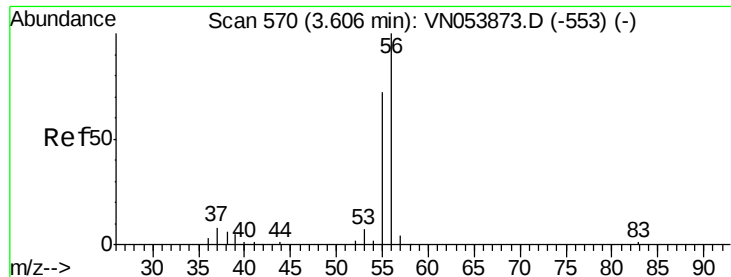


#12

1,1-Dichloroethene
Concen: 19.249 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 96 Resp: 113436
Ion Ratio Lower Upper
96 100
61 153.5 121.0 181.4
98 66.3 52.2 78.2





#13

Acrolein

Concen: 140.307 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

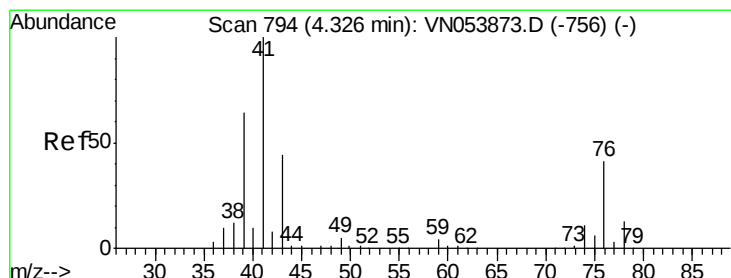
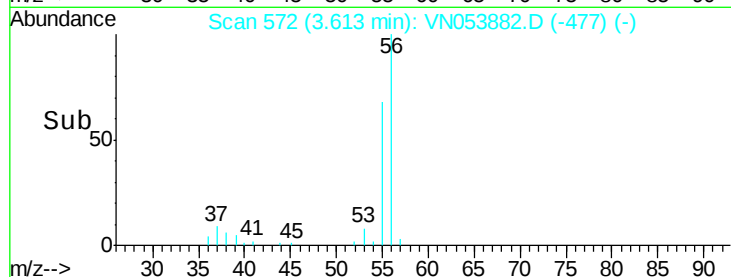
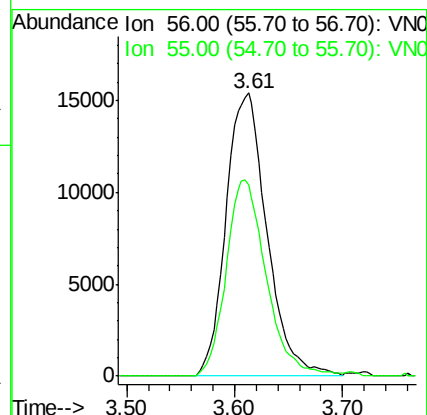
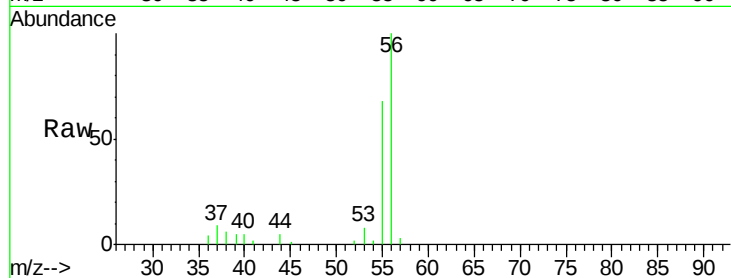
VN0221WBS01

Tot Ion: 56 Resp: 40630

Ion Ratio Lower Upper

56 100

55 67.8 56.3 84.5



#14

Allyl chloride

Concen: 18.800 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

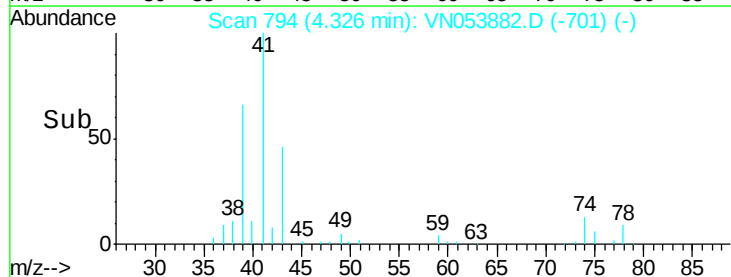
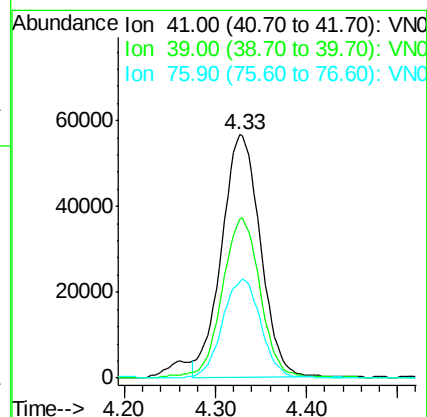
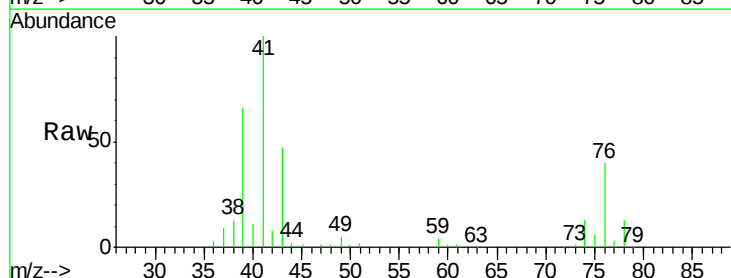
Tgt Ion: 41 Resp: 167677

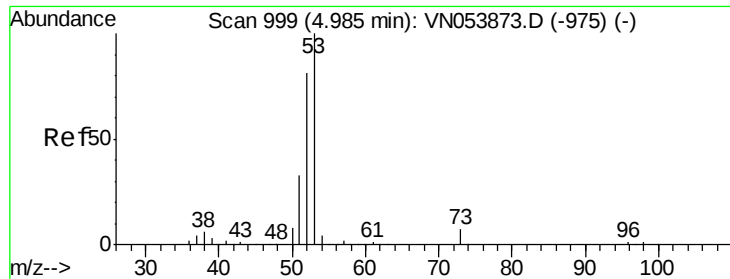
Ion Ratio Lower Upper

41 100

39 64.9 48.8 73.2

76 40.4 30.9 46.3





#15

Acrylonitrile

Concen: 102.078 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

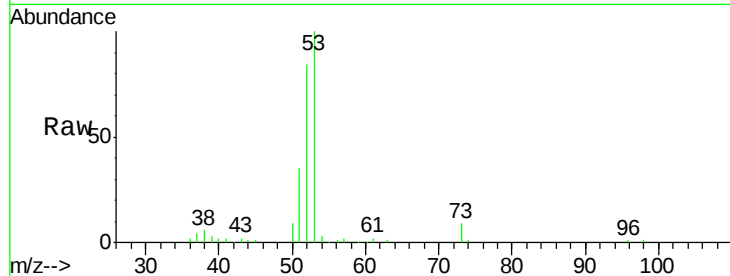
Tot Ion: 53 Resp: 208343

Ion Ratio Lower Upper

53 100

52 82.8 65.1 97.7

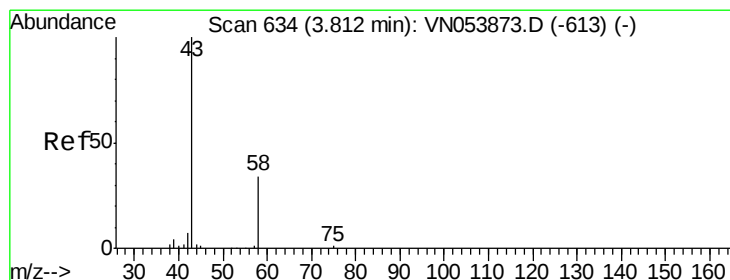
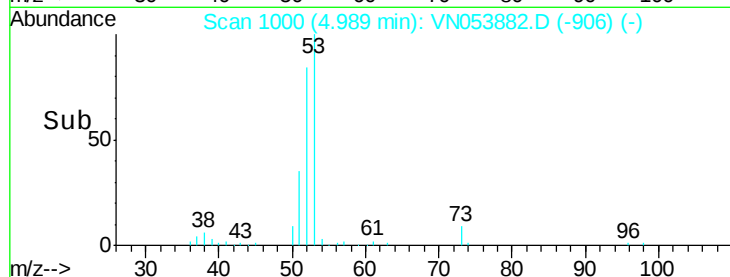
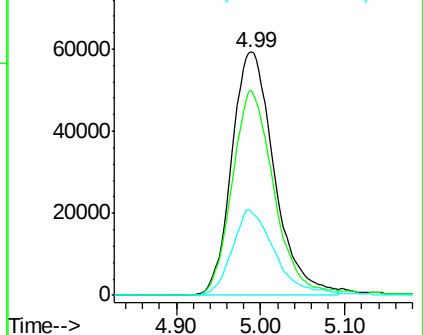
51 35.4 28.2 42.4



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: 92.468 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053882.D

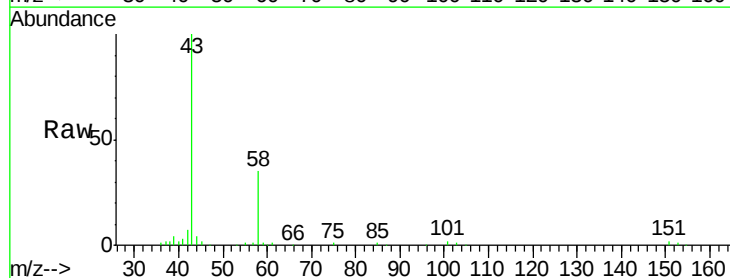
Acq: 21 Feb 2019 10:35

Tgt Ion: 43 Resp: 165046

Ion Ratio Lower Upper

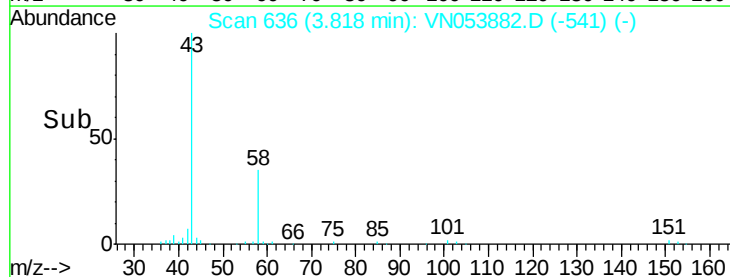
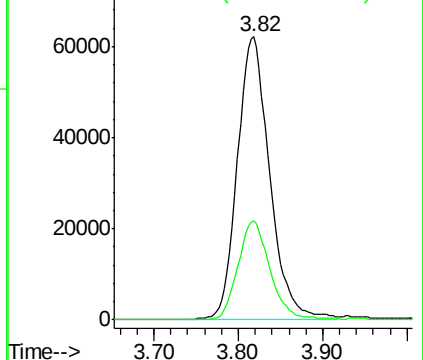
43 100

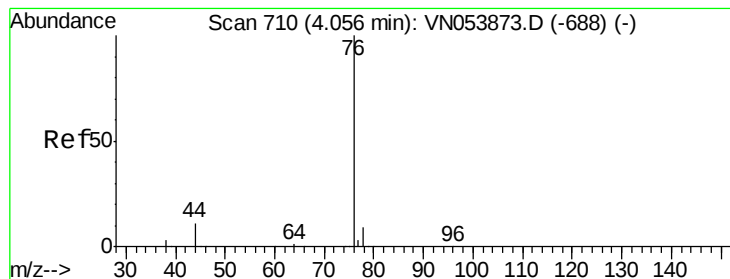
58 35.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.882 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

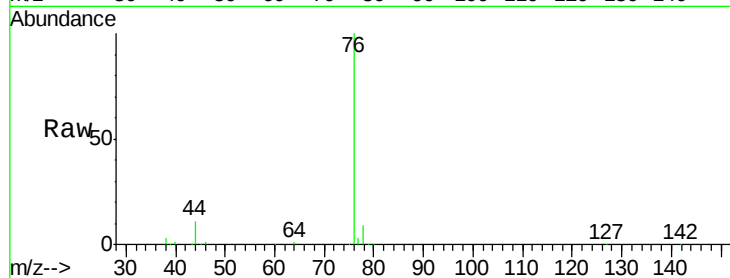
VN0221WBS01

Tot Ion: 76 Resp: 344650

Ion Ratio Lower Upper

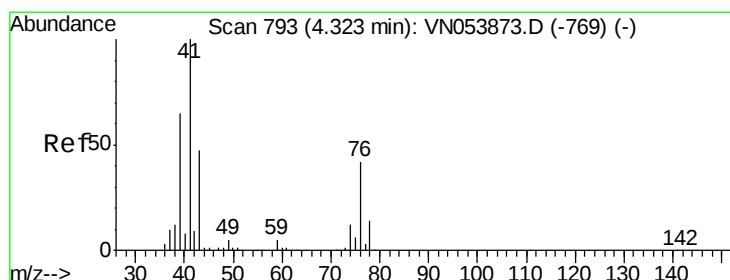
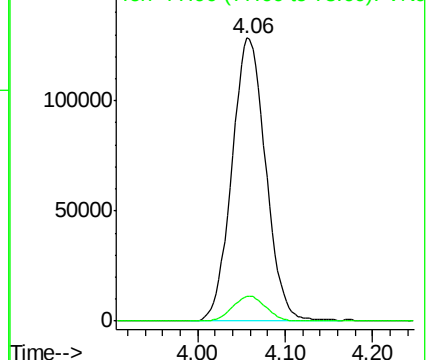
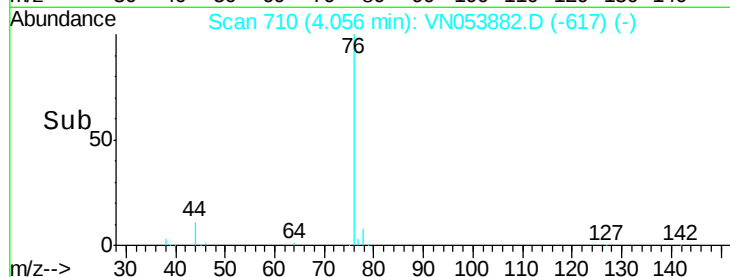
76 100

78 8.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053882.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053882.D (-617) (-)



#18

Methyl Acetate

Concen: 19.038 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053882.D

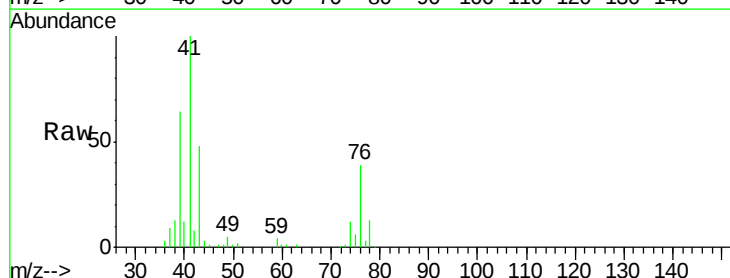
Acq: 21 Feb 2019 10:35

Tgt Ion: 43 Resp: 80199

Ion Ratio Lower Upper

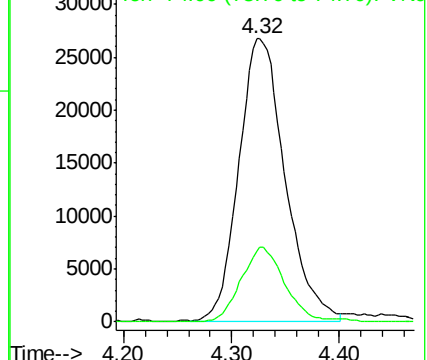
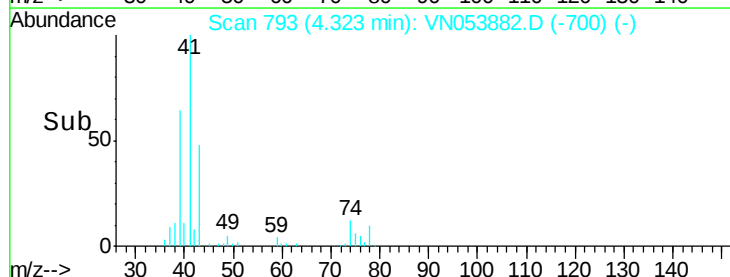
43 100

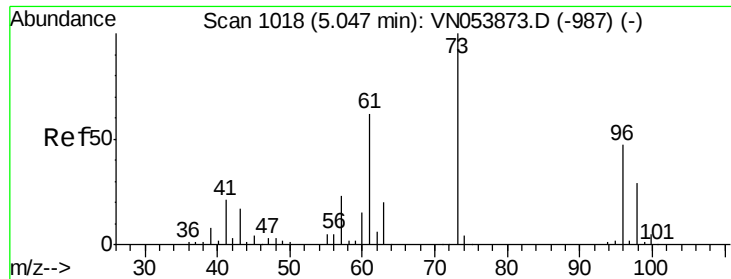
74 24.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053882.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053882.D (-700) (-)

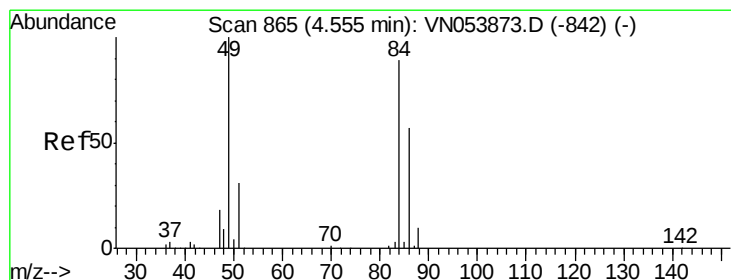
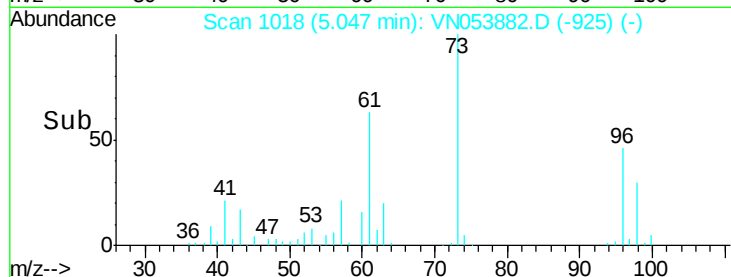
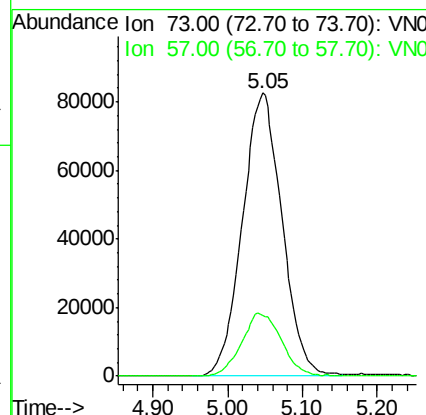
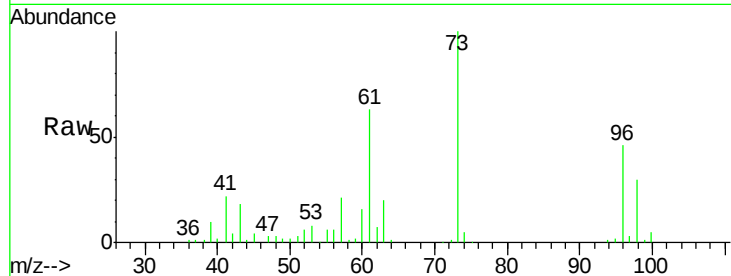




#19
Methvl tert-butvl Ether
Concen: 20.327 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

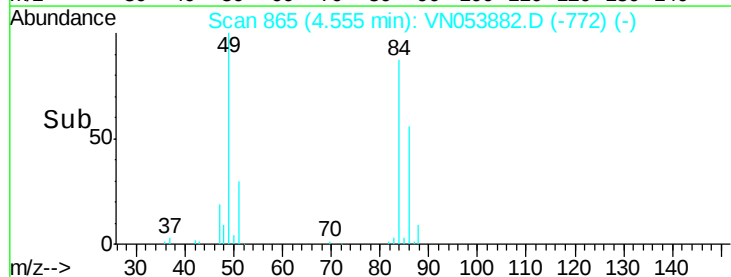
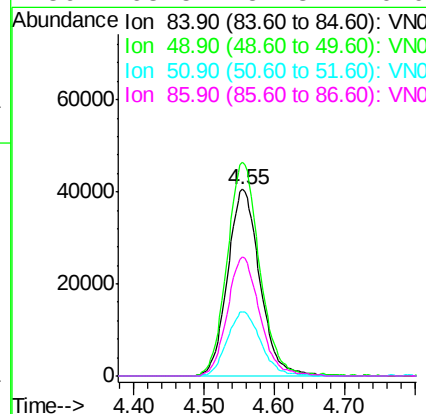
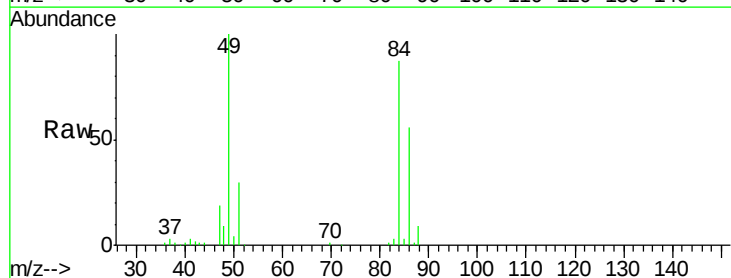
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

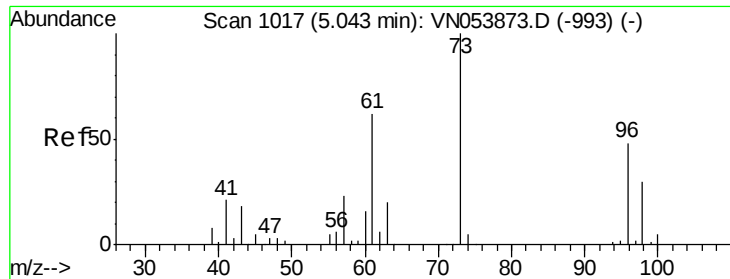
Tot Ion: 73 Resp: 303930
Ion Ratio Lower Upper
73 100
57 21.4 18.0 27.0



#20
Methylene Chloride
Concen: 19.370 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 84 Resp: 129435
Ion Ratio Lower Upper
84 100
49 114.3 89.7 134.5
51 34.5 27.8 41.8
86 63.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.982 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

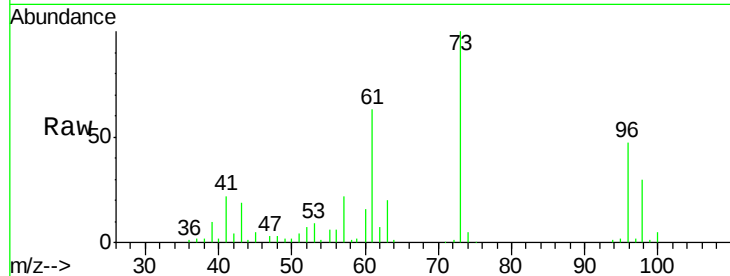
Tot Ion: 96 Resp: 123596

Ion Ratio Lower Upper

96 100

61 133.7 104.5 156.7

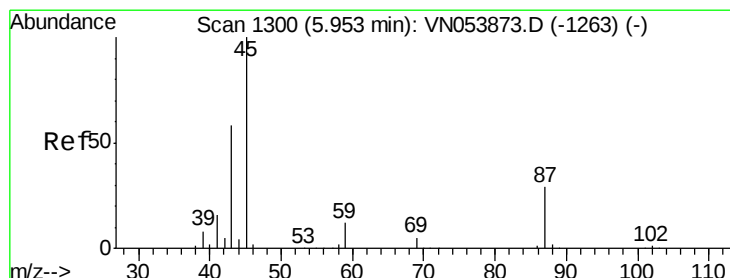
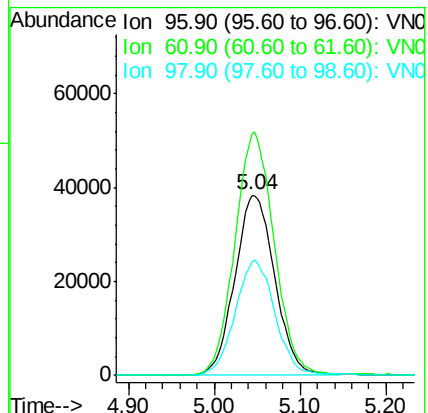
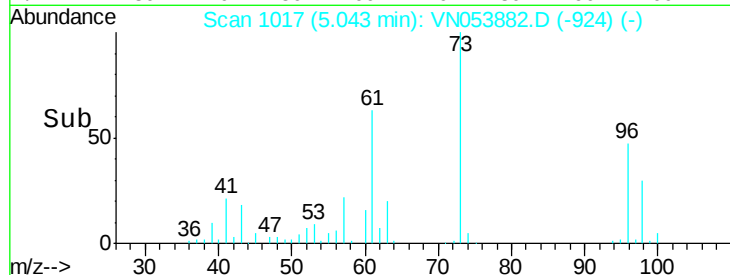
98 62.9 50.6 76.0



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: 20.506 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion: 45 Resp: 340934

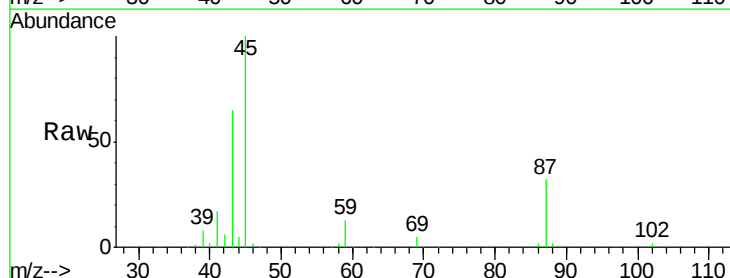
Ion Ratio Lower Upper

45 100

43 61.3 46.2 69.4

87 30.9 23.4 35.0

59 12.4 9.4 14.0

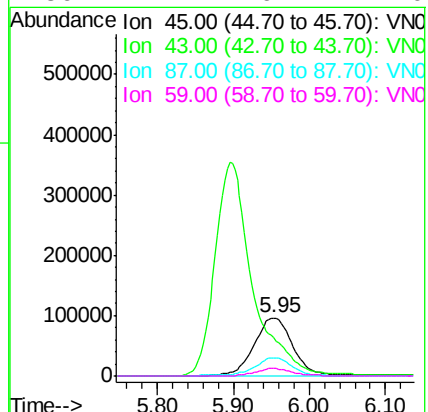
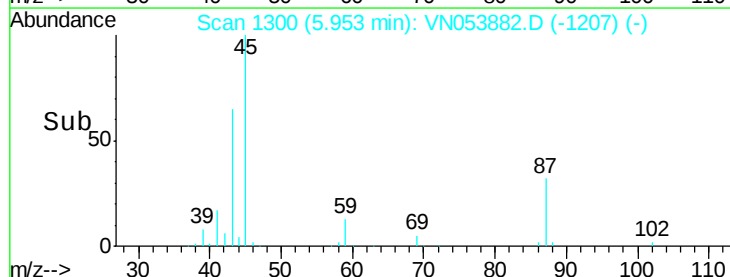


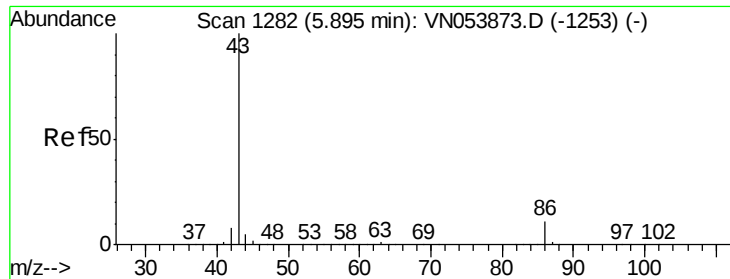
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

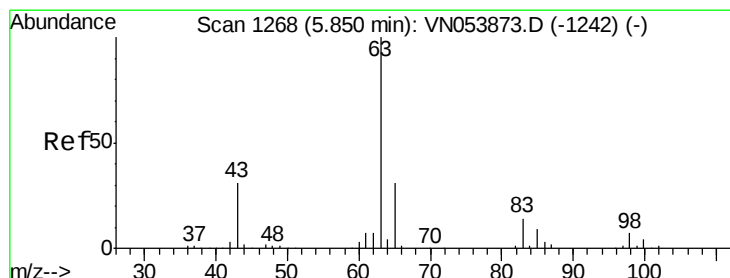
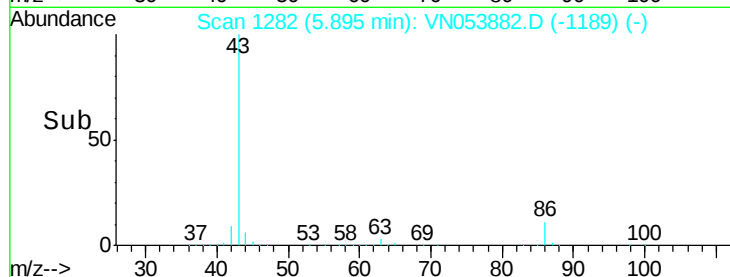
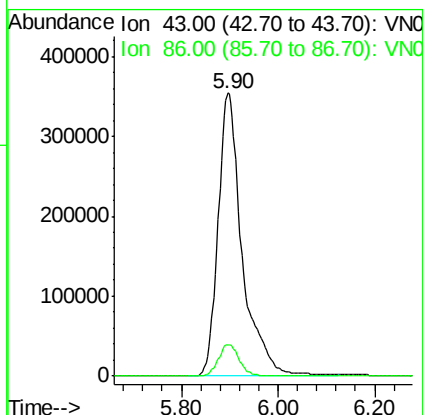
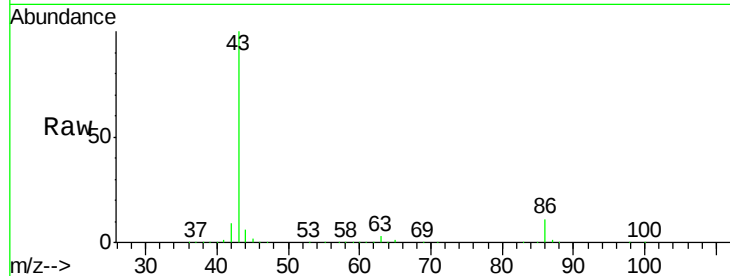




#23
 Vinyl Acetate
 Concen: 102.798 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

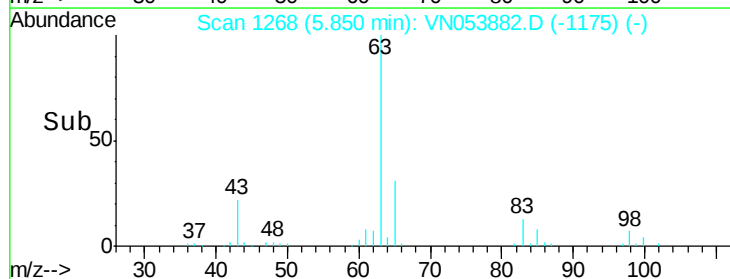
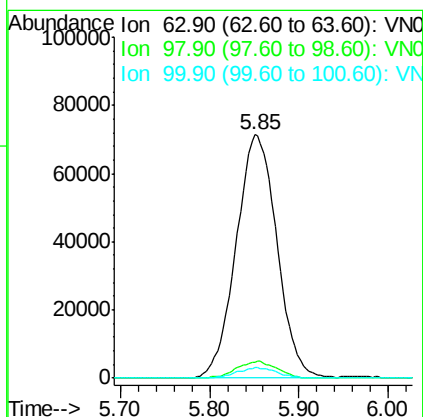
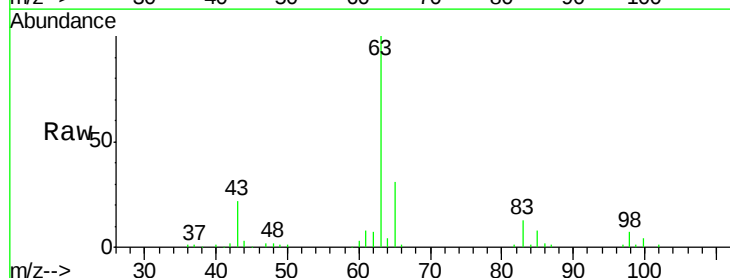
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

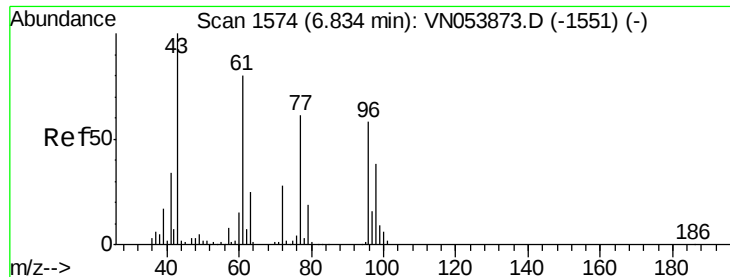
Tot Ion: 43 Resp: 1228693
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 20.123 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 63 Resp: 226519
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 97.896 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

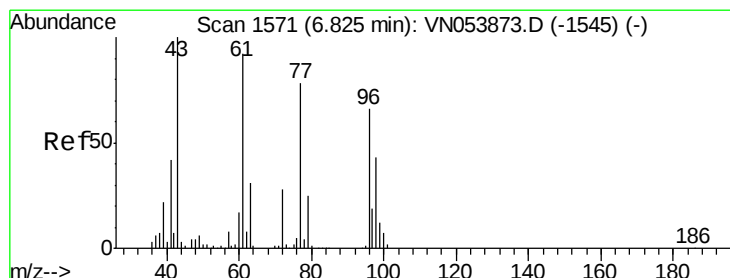
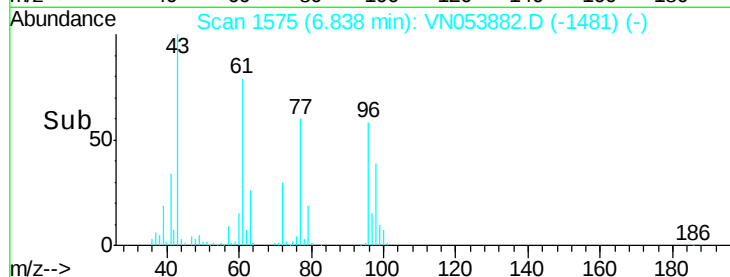
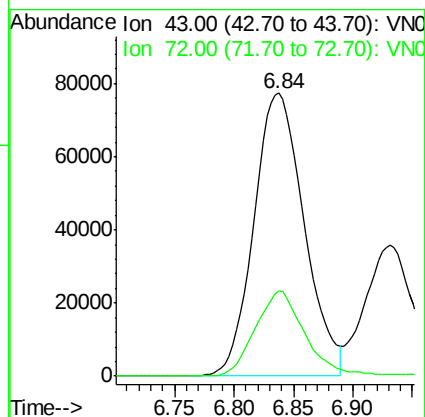
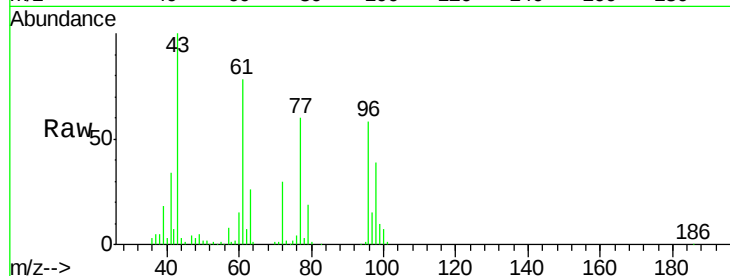
VN0221WBS01

Tot Ion: 43 Resp: 225474

Ion Ratio Lower Upper

43 100

72 30.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 19.611 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053882.D

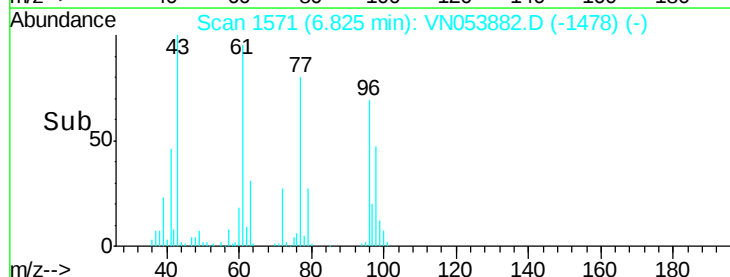
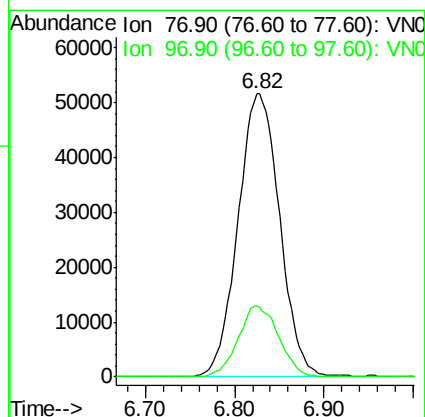
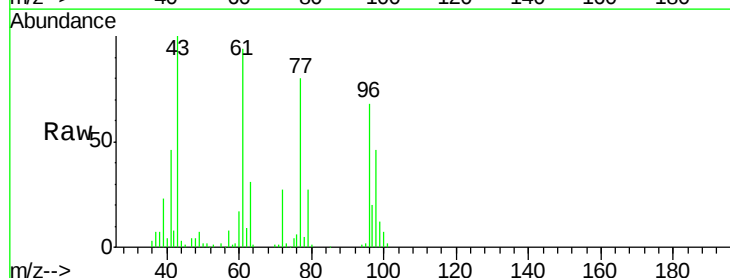
Acq: 21 Feb 2019 10:35

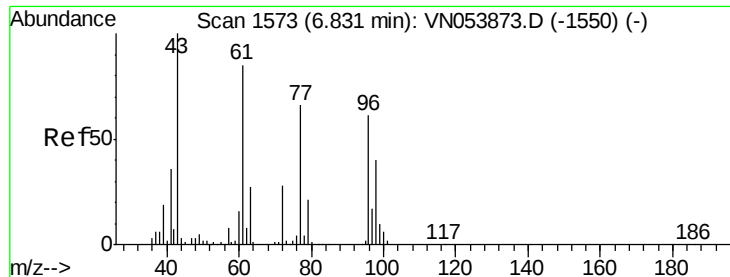
Tgt Ion: 77 Resp: 167519

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.105 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

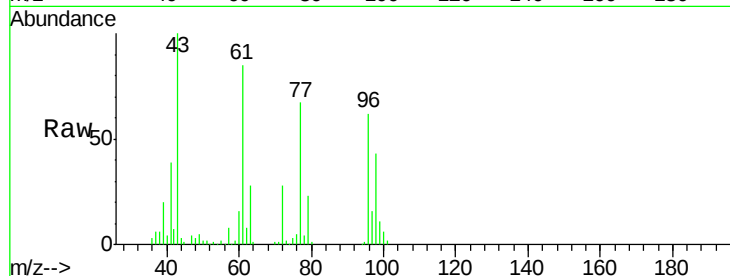
Tot Ion: 96 Resp: 139305

Ion Ratio Lower Upper

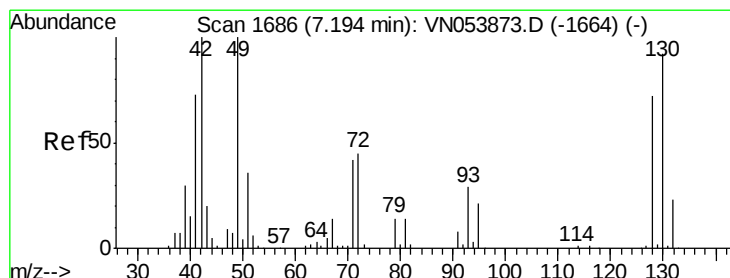
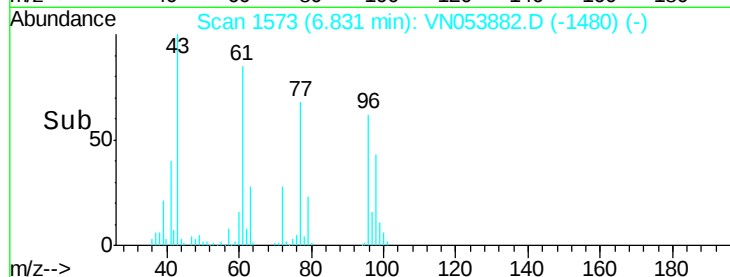
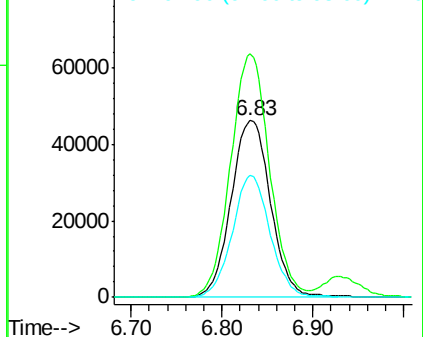
96 100

61 136.1 0.0 275.6

98 66.2 0.0 130.0



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: 19.072 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

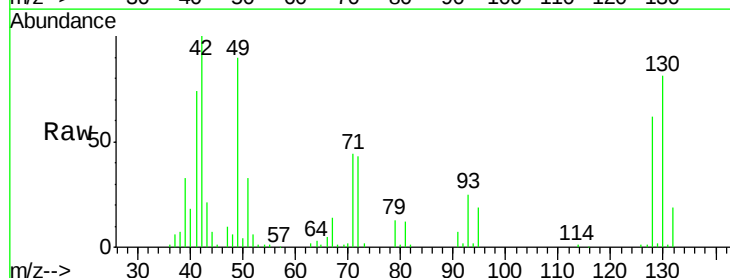
Tgt Ion: 49 Resp: 93699

Ion Ratio Lower Upper

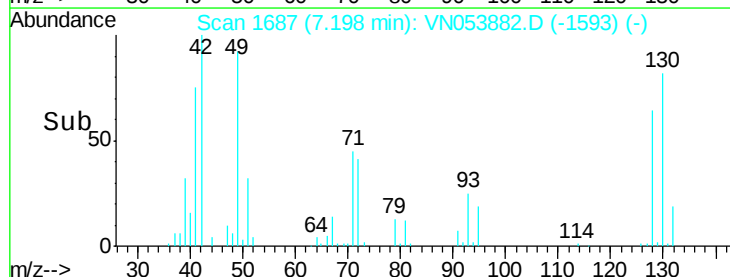
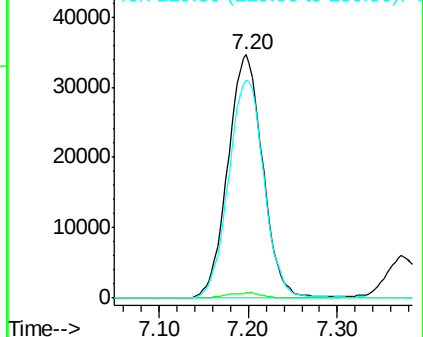
49 100

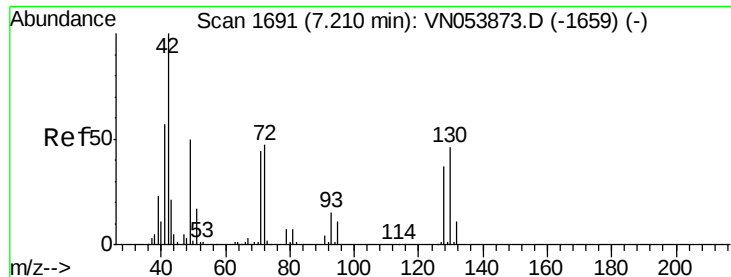
129 2.1 0.0 4.6

130 91.0 72.9 109.3



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

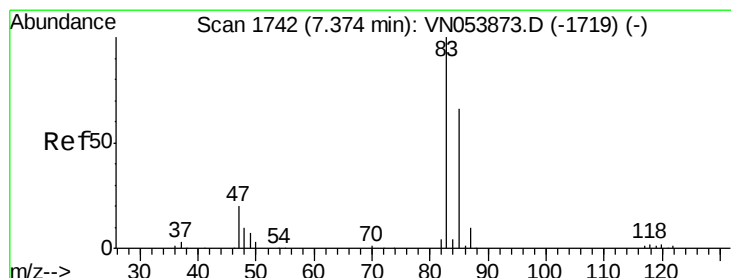
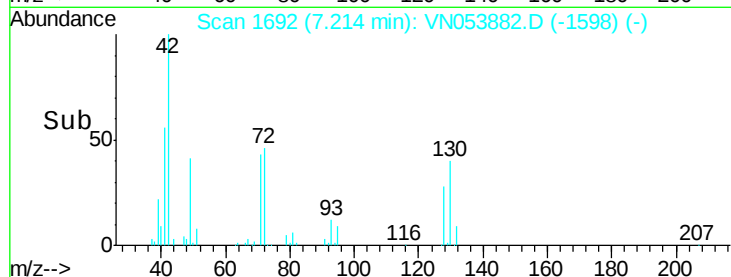
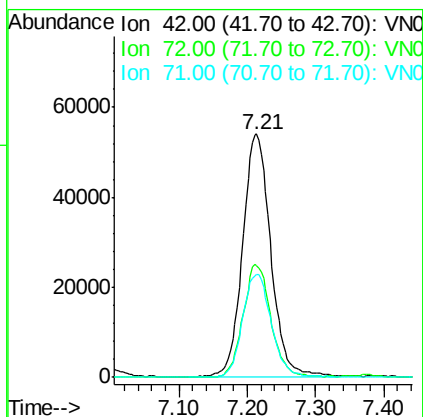
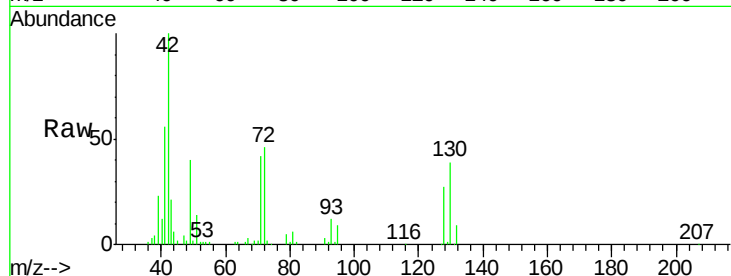




#29
Tetrahydrofuran
Concen: 104.935 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

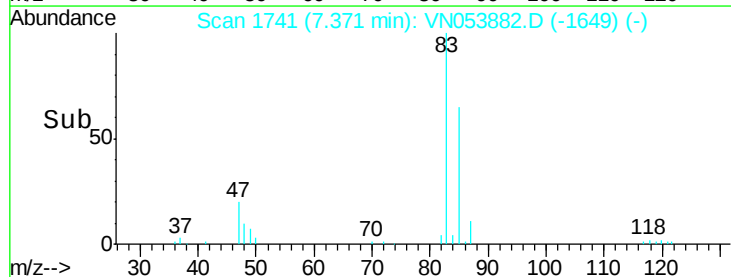
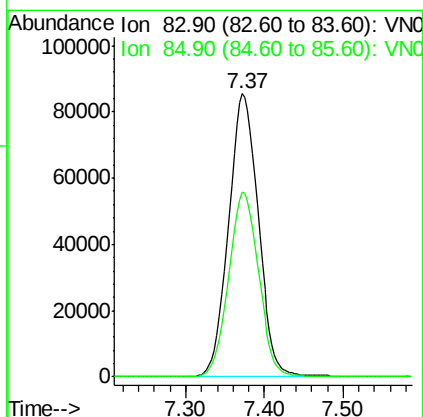
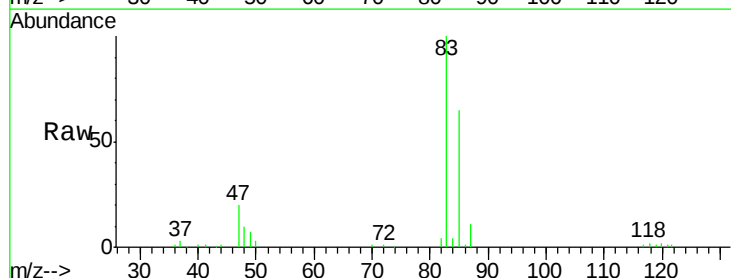
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

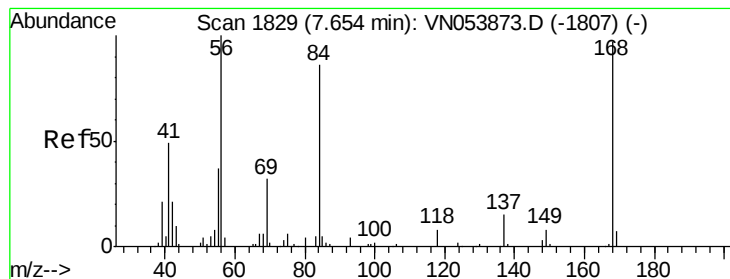
Tot Ion: 42 Resp: 156303
Ion Ratio Lower Upper
42 100
72 45.6 36.9 55.3
71 42.7 34.6 52.0



#30
Chloroform
Concen: 19.877 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 83 Resp: 224828
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8





#31

Cyclohexane

Concen: 19.779 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

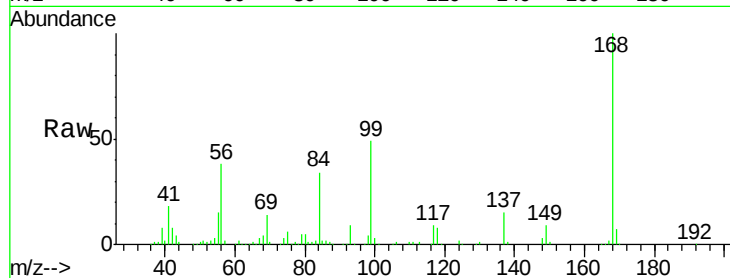
Tot Ion: 56 Resp: 207229

Ion Ratio Lower Upper

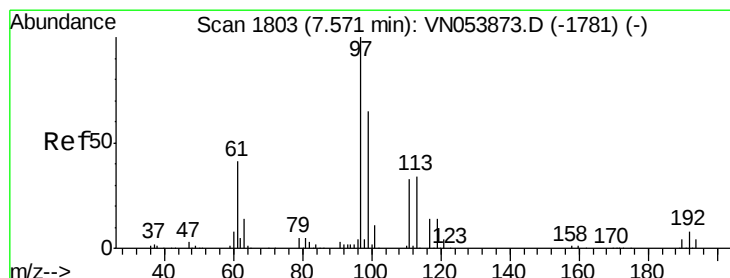
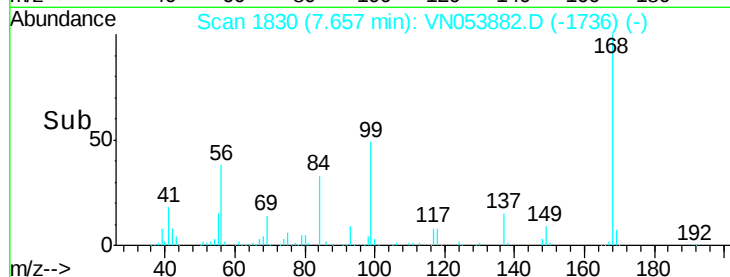
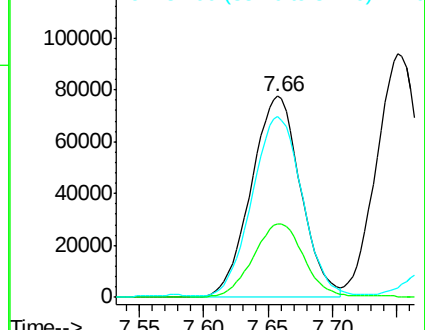
56 100

69 36.8 26.0 39.0

84 89.0 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 19.444 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

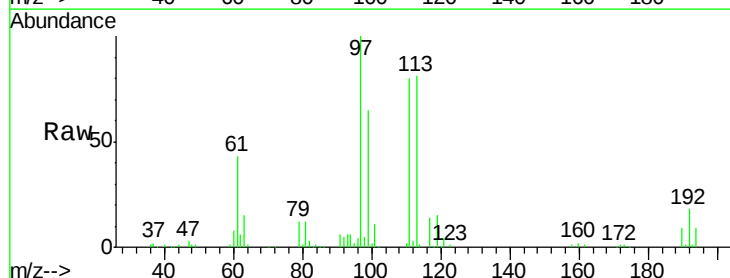
Tgt Ion: 97 Resp: 188173

Ion Ratio Lower Upper

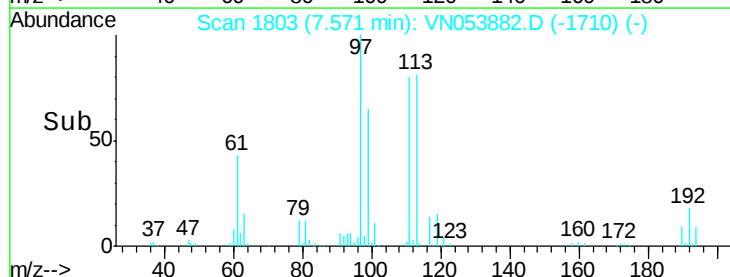
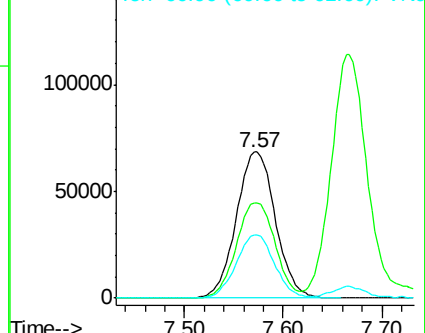
97 100

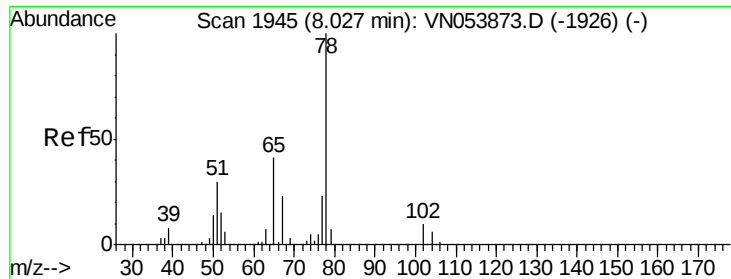
99 64.4 51.8 77.8

61 42.2 33.2 49.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.604 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

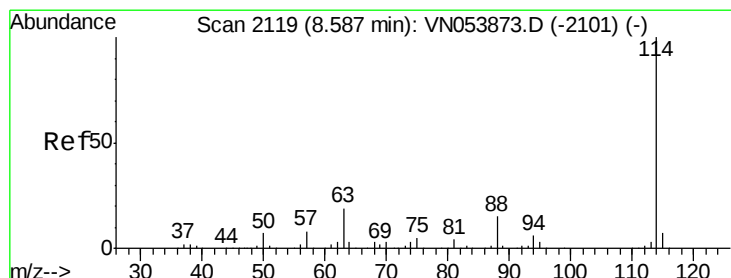
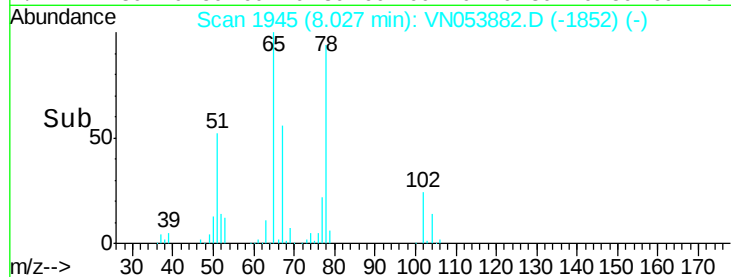
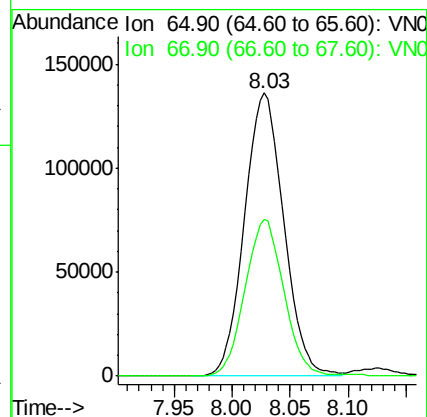
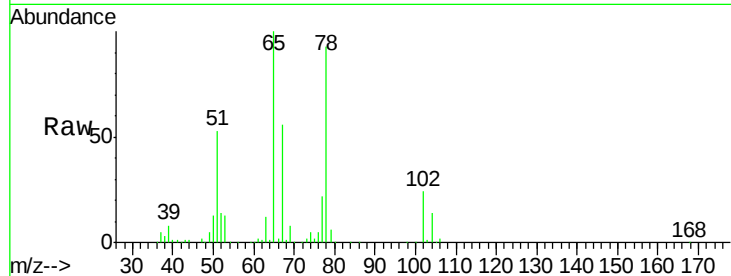
VN0221WBS01

Tot Ion: 65 Resp: 321932

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

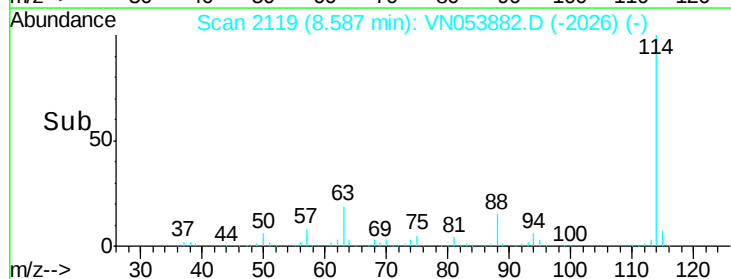
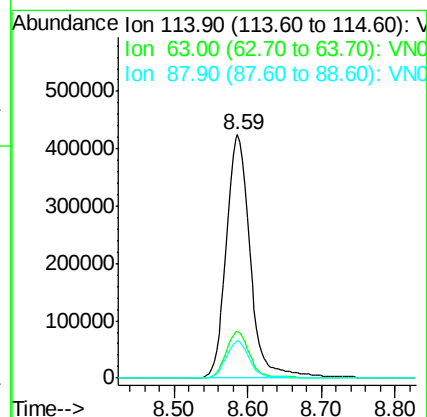
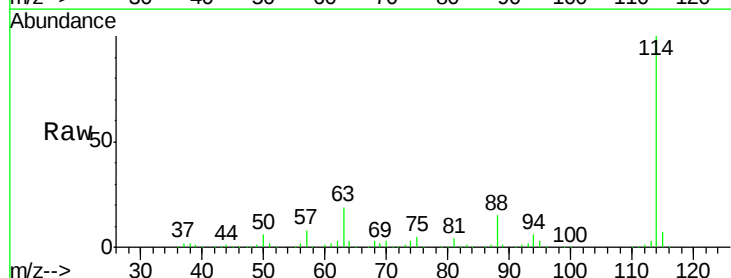
Tgt Ion: 114 Resp: 959715

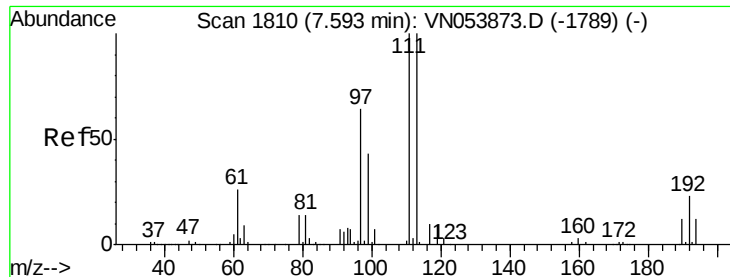
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 15.2 0.0 30.4

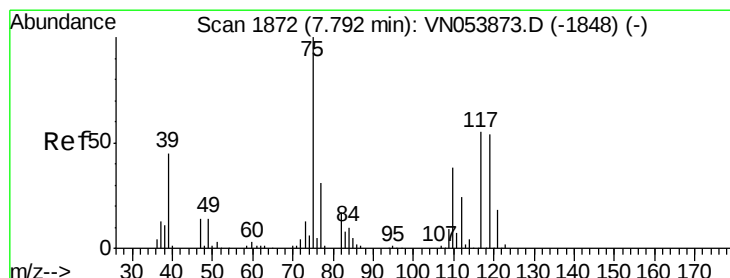
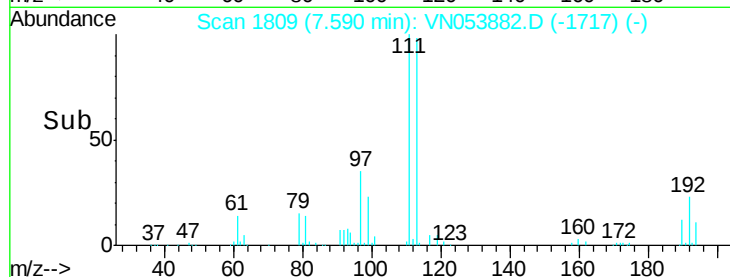
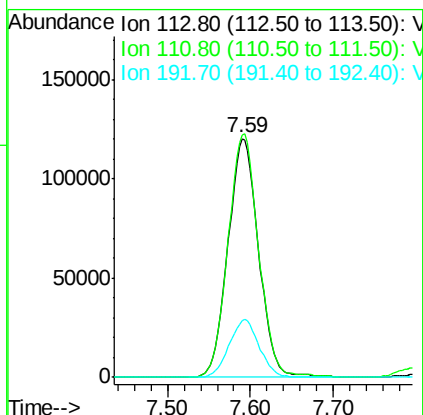
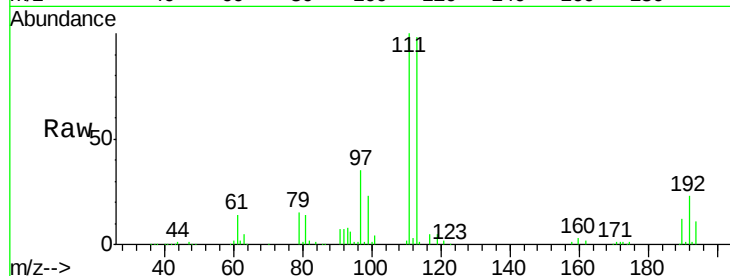




#35
 Dibromofluoromethane
 Concen: 48.963 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

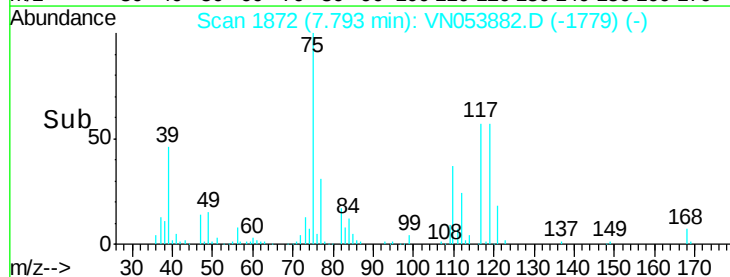
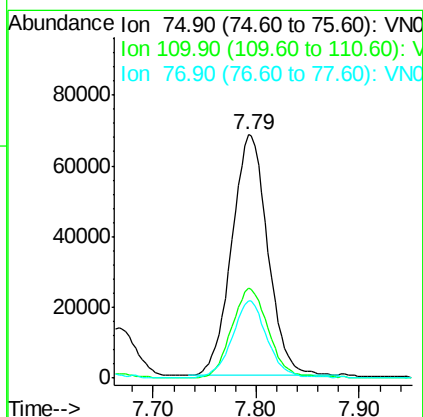
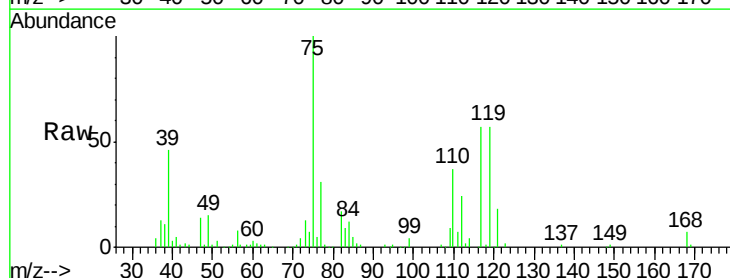
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

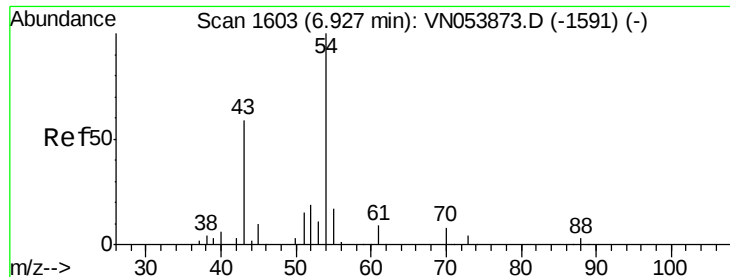
Tot Ion:113 Resp: 308388
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 23.7 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 18.782 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 75 Resp: 165227
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.0 57.0
 77 31.5 25.4 38.0

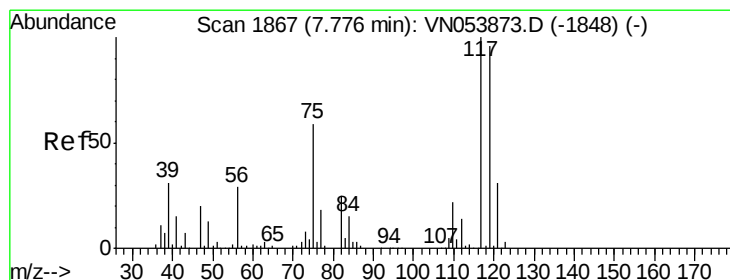
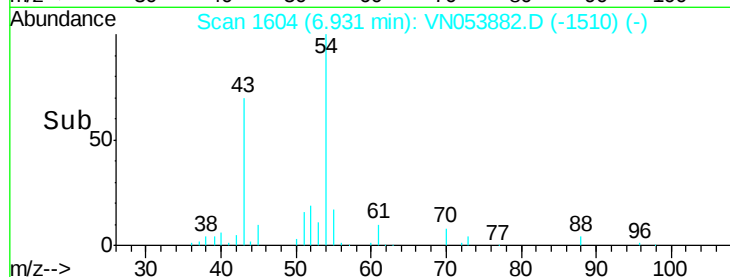
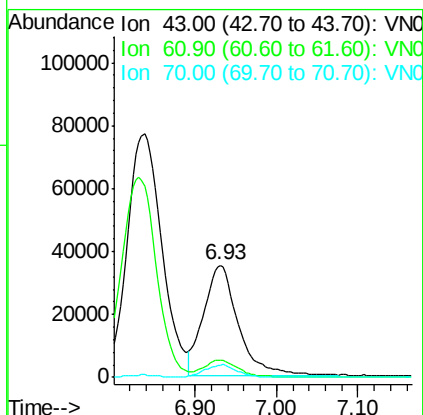
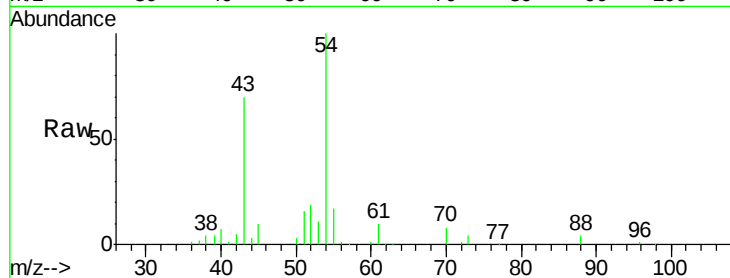




#37
Ethyl Acetate
Concen: 19.955 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

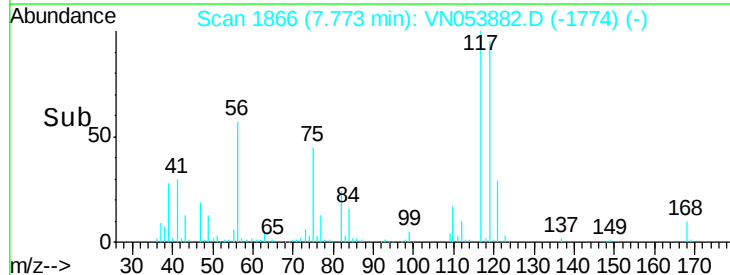
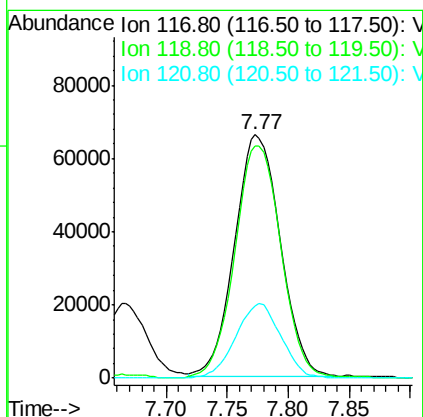
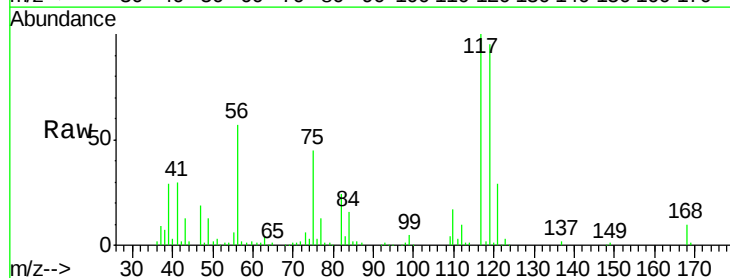
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

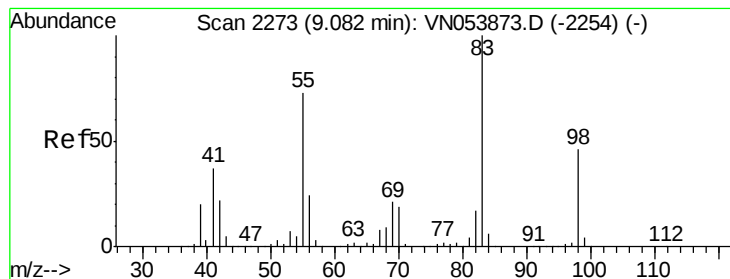
Tot Ion: 43 Resp: 104962
Ion Ratio Lower Upper
43 100
61 15.3 12.0 18.0
70 10.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.514 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 117 Resp: 171397
Ion Ratio Lower Upper
117 100
119 95.6 76.2 114.2
121 29.8 24.6 36.8





#39

Methvlcvclohexane

Concen: 19.360 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

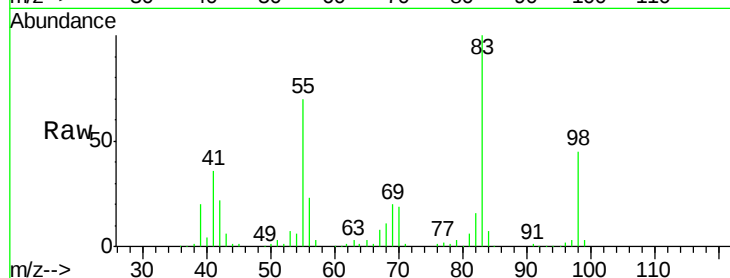
Tot Ion: 83 Resp: 196247

Ion Ratio Lower Upper

83 100

55 69.6 58.2 87.4

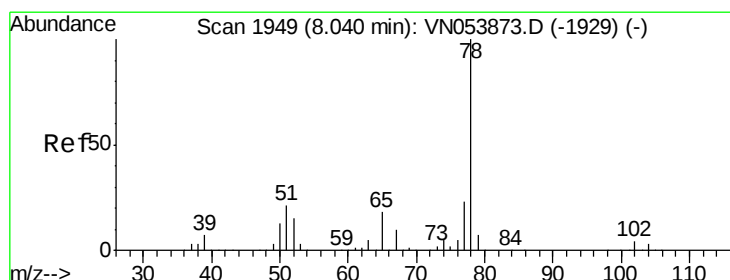
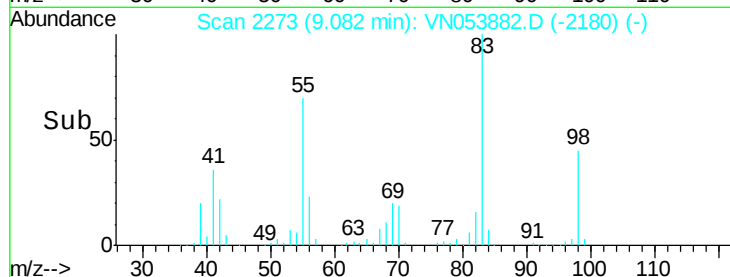
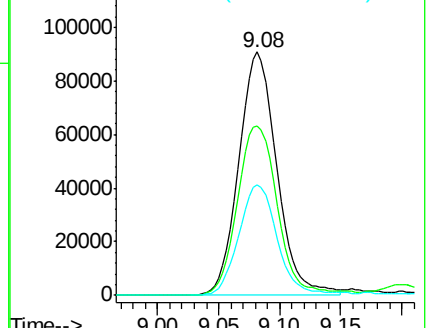
98 45.2 37.2 55.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.647 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053882.D

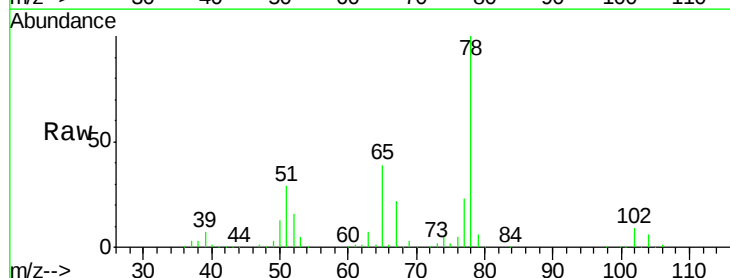
Acq: 21 Feb 2019 10:35

Tgt Ion: 78 Resp: 510948

Ion Ratio Lower Upper

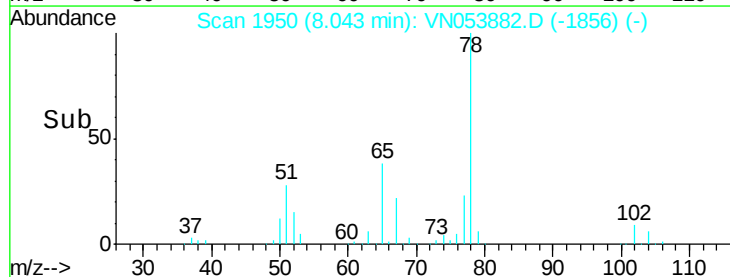
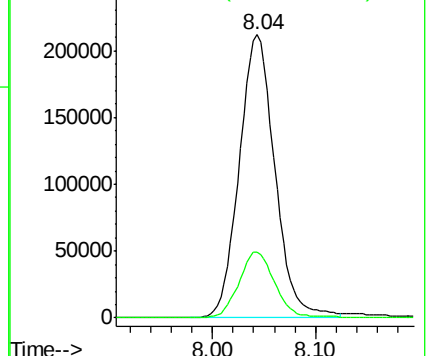
78 100

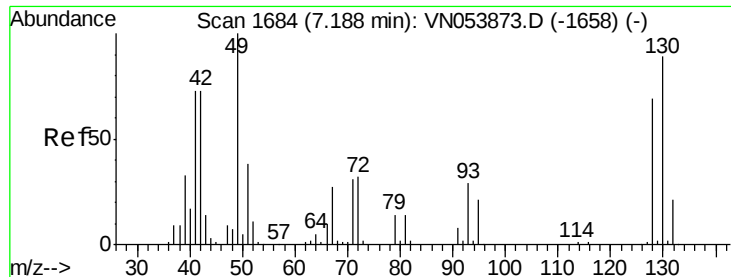
77 23.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 18.600 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 41 Resp: 54143

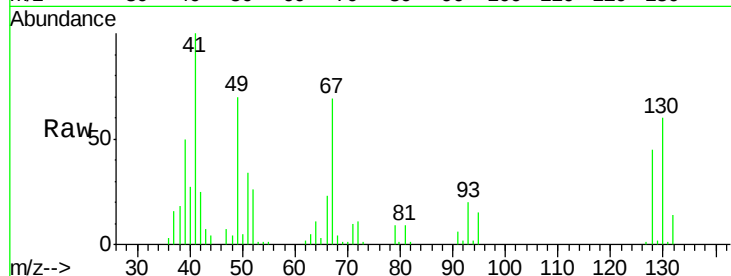
Ion Ratio Lower Upper

41 100

39 35.4 0.0 0.0#

67 88.5 0.0 0.0#

52 34.2 0.0 0.0#

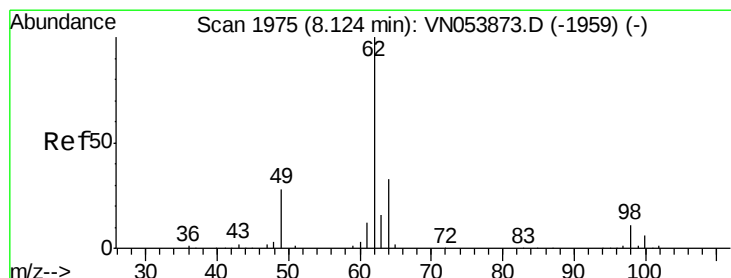
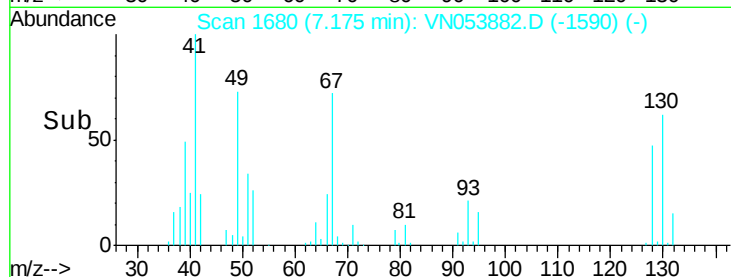
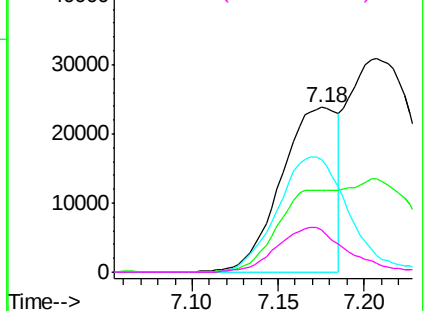


Abundance Ion 41.00 (40.70 to 41.70): VNC

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: 19.874 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053882.D

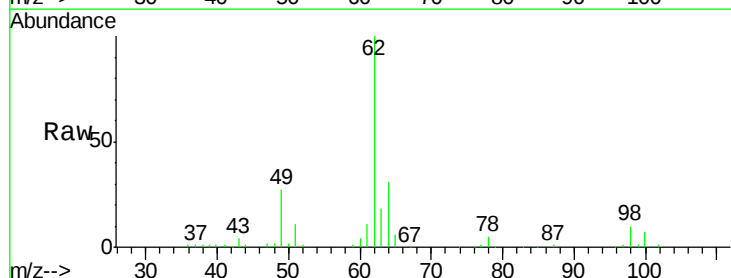
Acq: 21 Feb 2019 10:35

Tgt Ion: 62 Resp: 154077

Ion Ratio Lower Upper

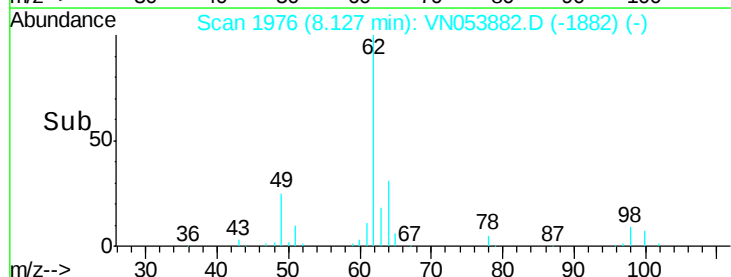
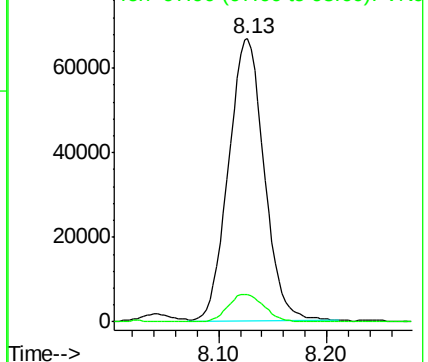
62 100

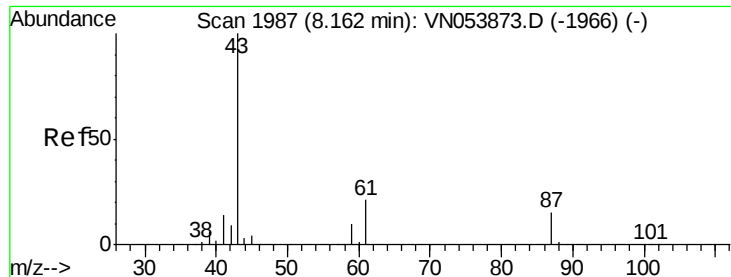
98 10.0 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 18.418 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

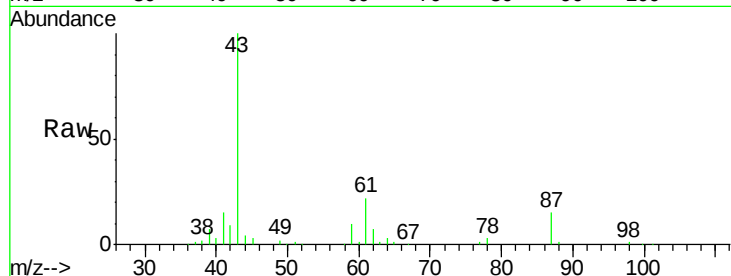
Tot Ion: 43 Resp: 172823

Ion Ratio Lower Upper

43 100

61 28.9 17.4 26.0#

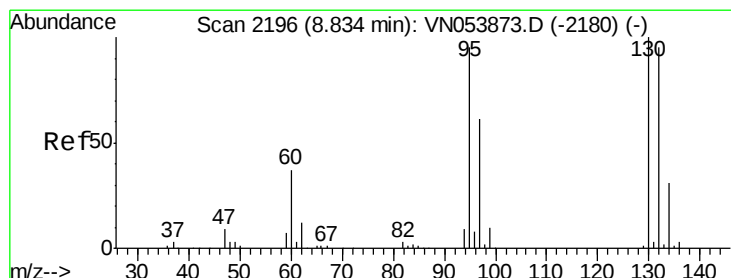
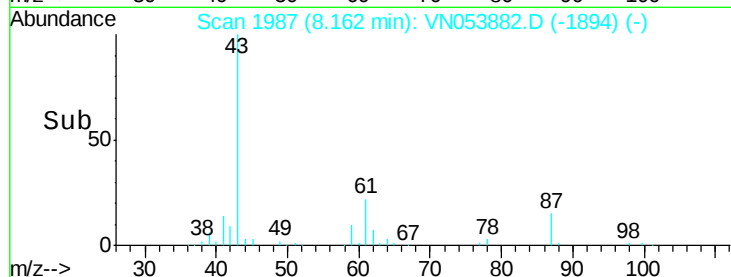
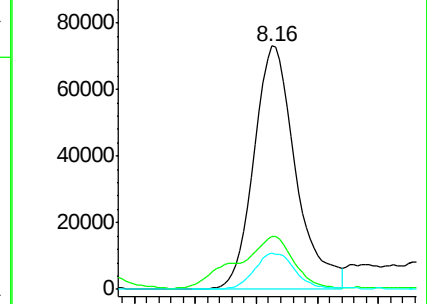
87 14.8 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.568 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053882.D

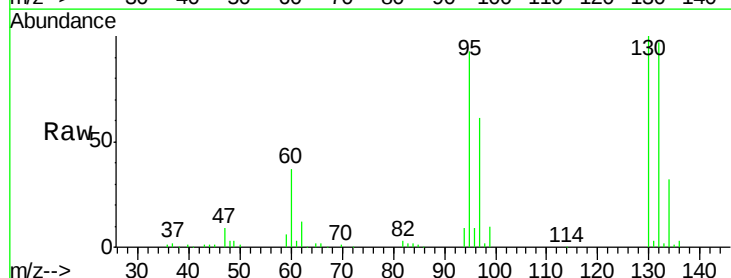
Acq: 21 Feb 2019 10:35

Tgt Ion:130 Resp: 142460

Ion Ratio Lower Upper

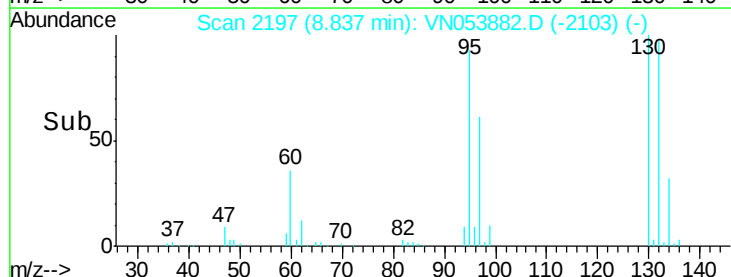
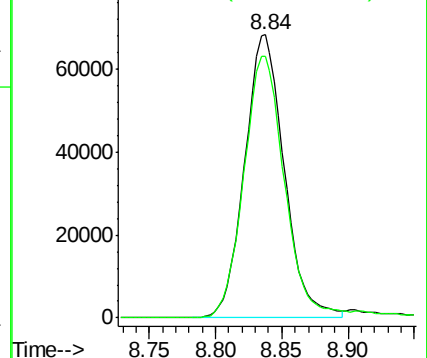
130 100

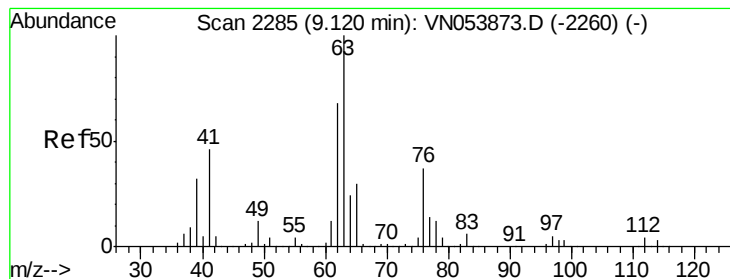
95 92.5 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.684 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

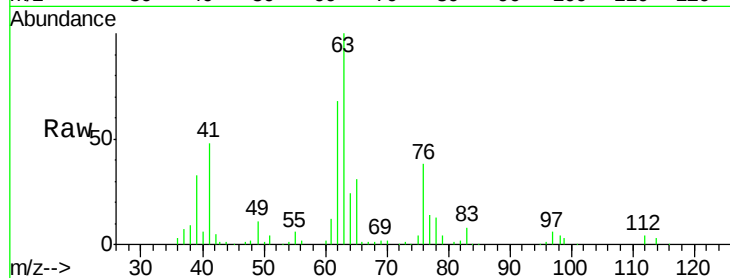
VN0221WBS01

Tot Ion: 63 Resp: 137333

Ion Ratio Lower Upper

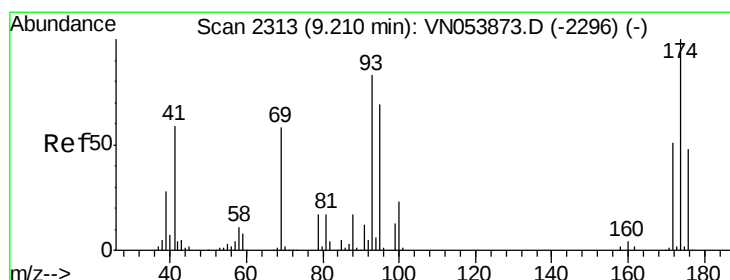
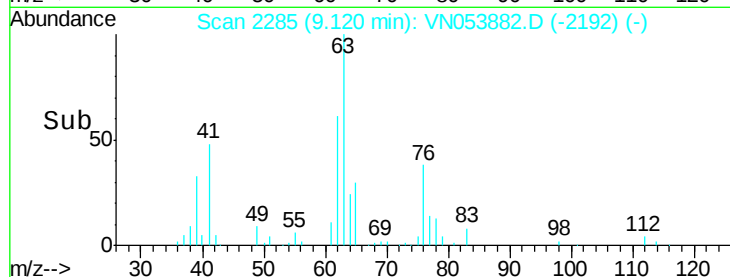
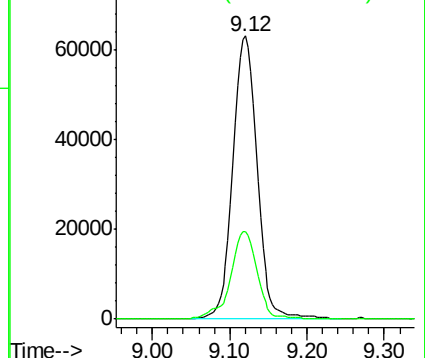
63 100

65 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.818 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

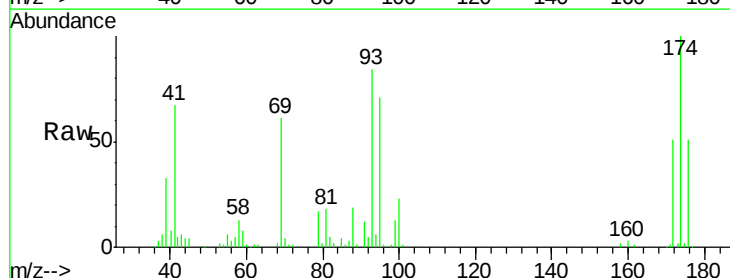
Tgt Ion: 93 Resp: 83225

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

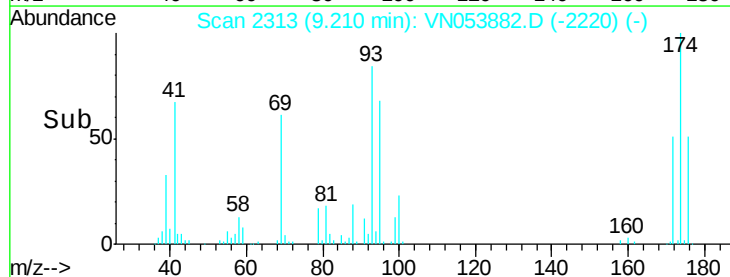
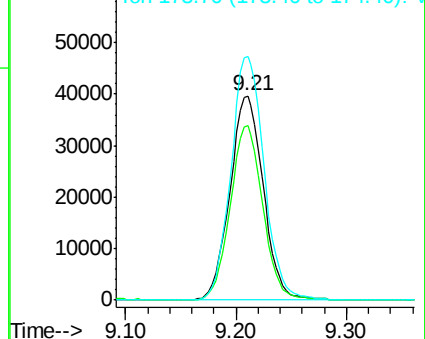
174 118.9 96.2 144.4

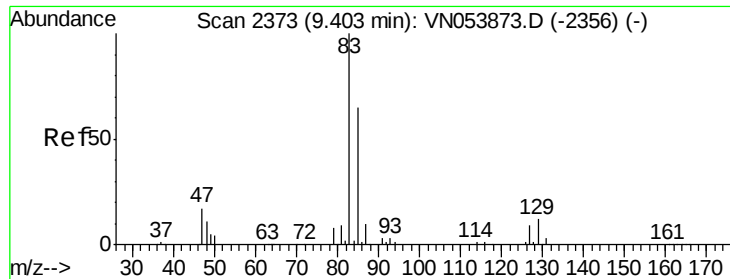


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.018 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

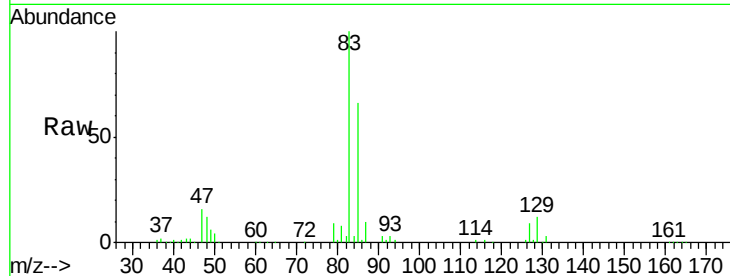
Tot Ion: 83 Resp: 168823

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6

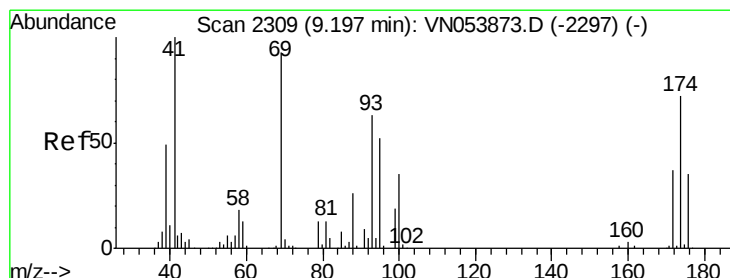
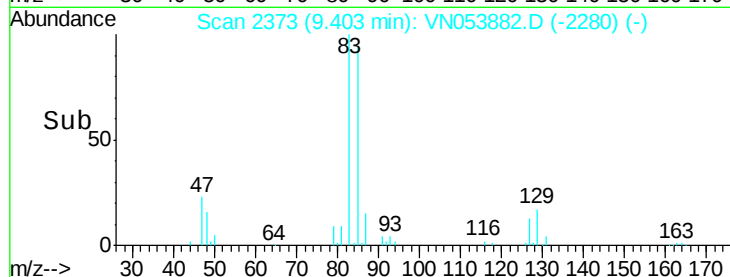
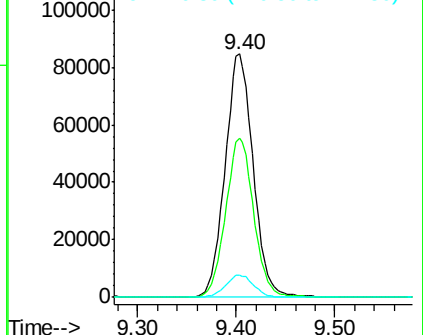
127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.803 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

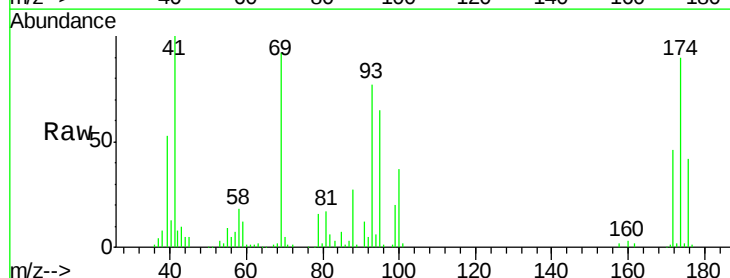
Tgt Ion: 41 Resp: 79669

Ion Ratio Lower Upper

41 100

69 100.8 74.8 112.2

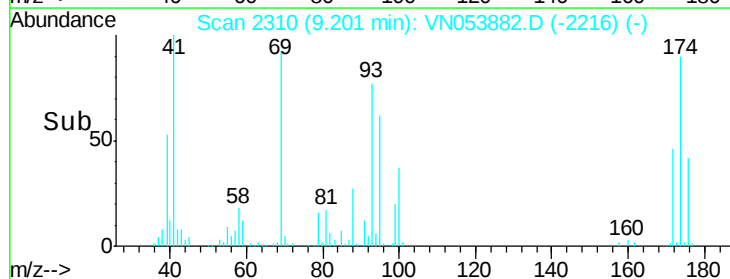
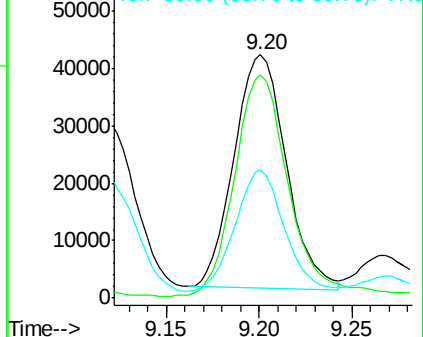
39 54.5 39.0 58.6

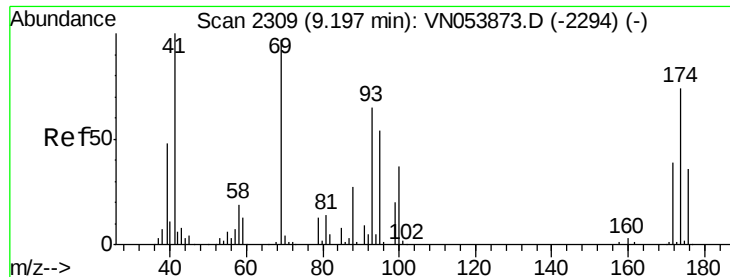


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 401.573 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

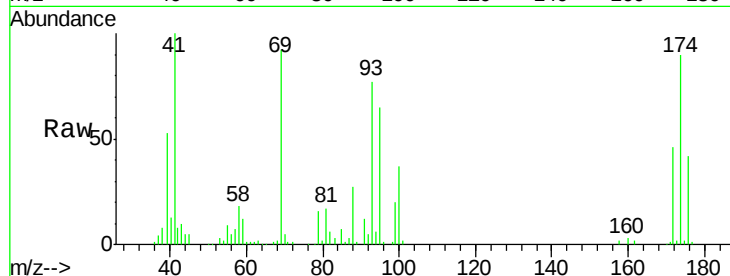
Tot Ion: 88 Resp: 25279

Ion Ratio Lower Upper

88 100

43 28.9 21.2 31.8

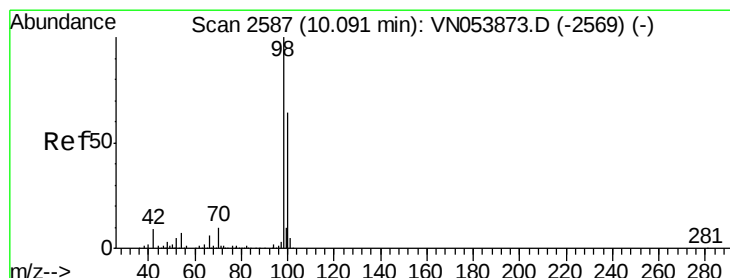
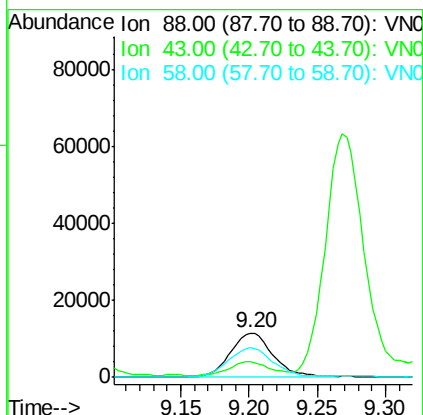
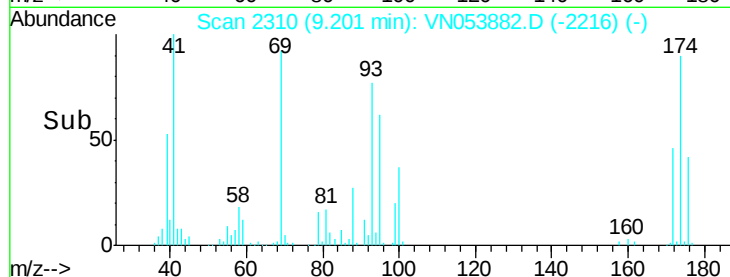
58 69.5 54.2 81.2



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: 50.339 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053882.D

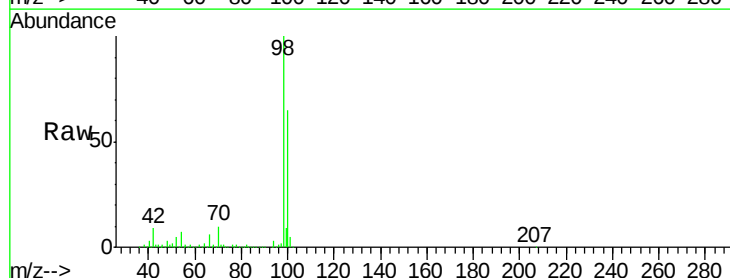
Acq: 21 Feb 2019 10:35

Tgt Ion: 98 Resp: 1145122

Ion Ratio Lower Upper

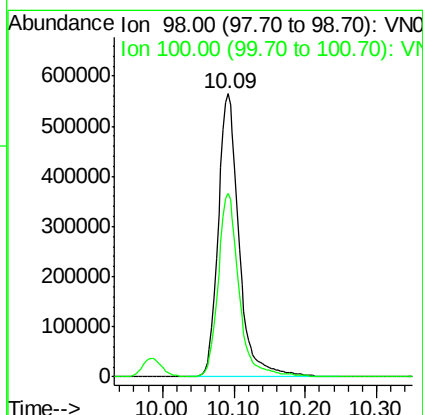
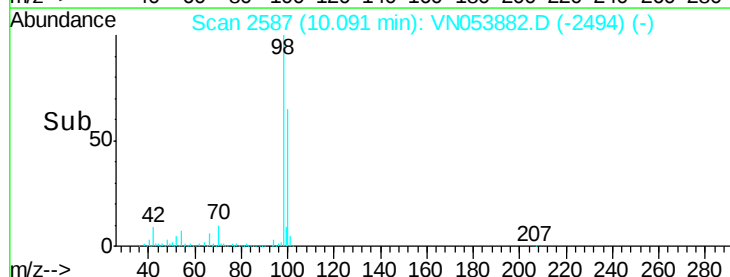
98 100

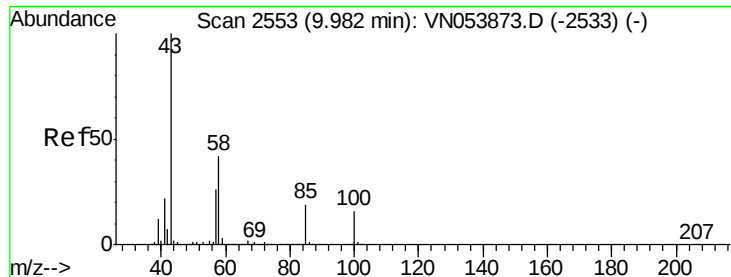
100 64.9 51.9 77.9



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: 98.403 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

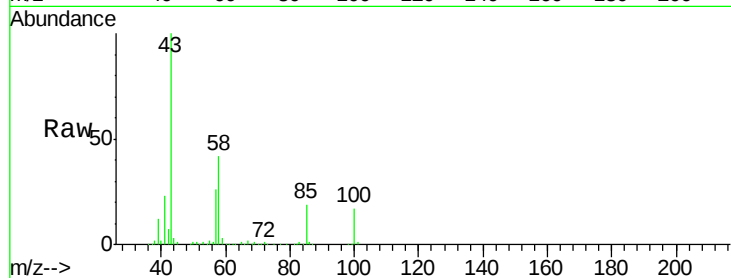
VN0221WBS01

Tot Ion: 43 Resp: 454829

Ion Ratio Lower Upper

43 100

58 41.8 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053873.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN053873.D (-2533) (-)

9.99

250000

200000

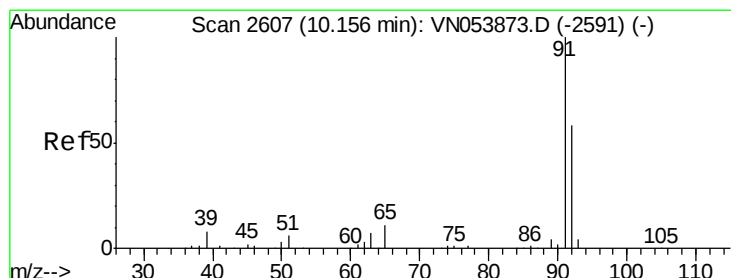
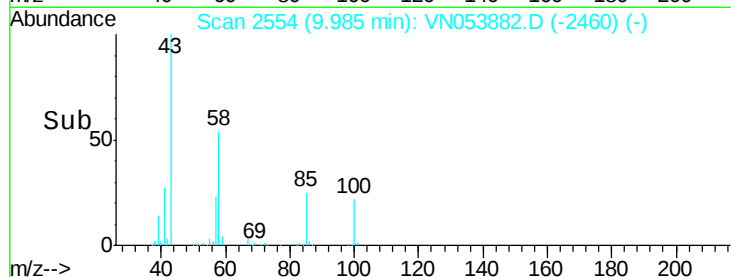
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.622 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053882.D

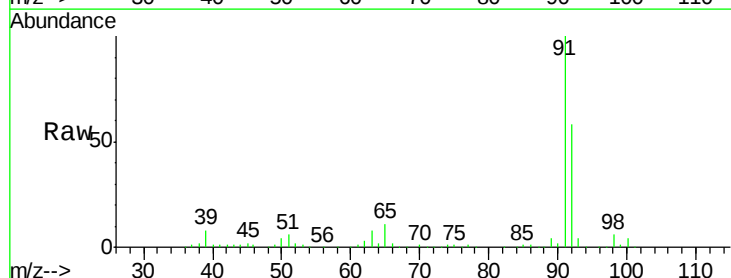
Acq: 21 Feb 2019 10:35

Tgt Ion: 92 Resp: 317813

Ion Ratio Lower Upper

92 100

91 174.3 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053873.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN053873.D (-2591) (-)

10.16

300000

250000

200000

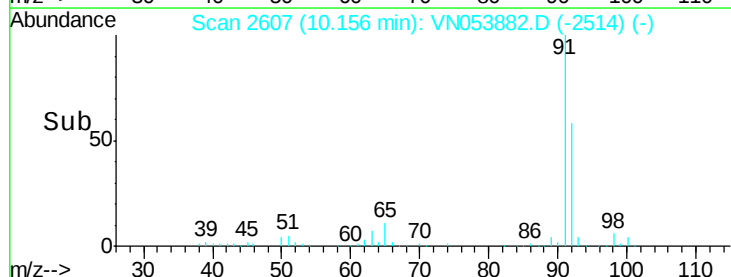
150000

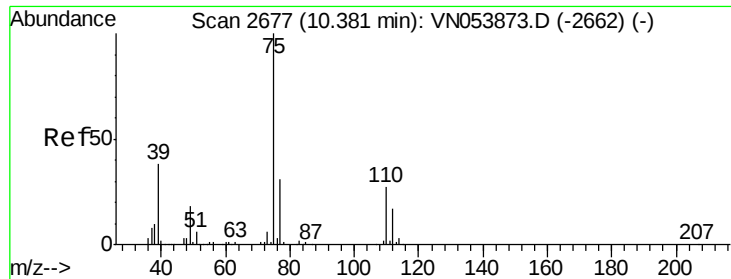
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.771 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

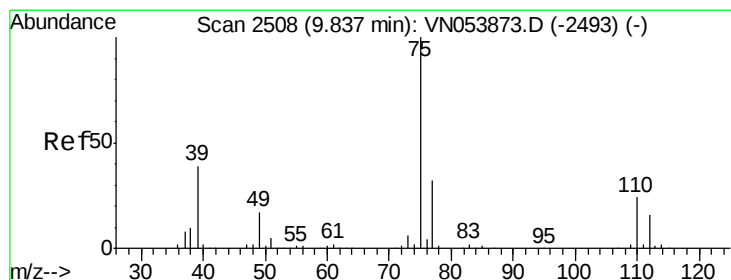
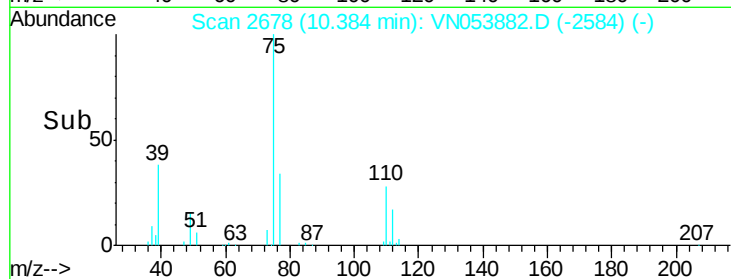
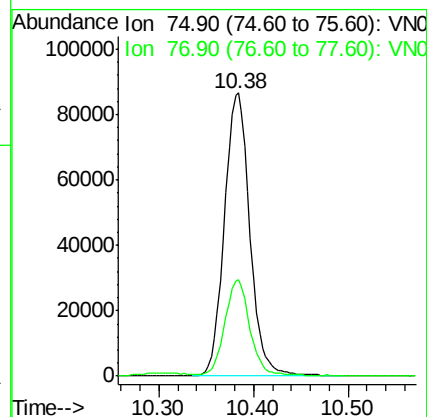
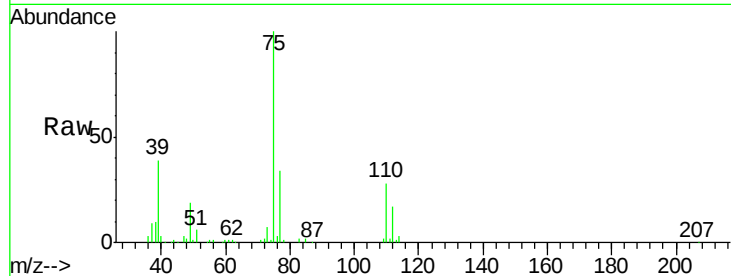
VN0221WBS01

Tot Ion: 75 Resp: 161914

Ion Ratio Lower Upper

75 100

77 33.7 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.325 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

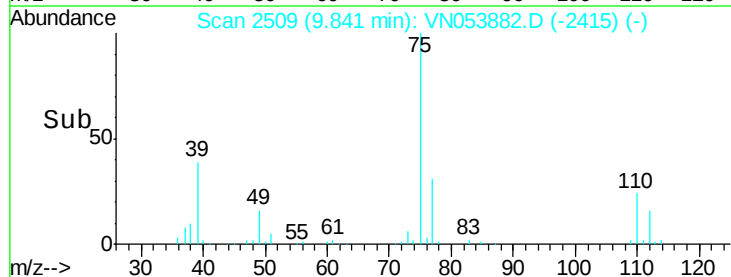
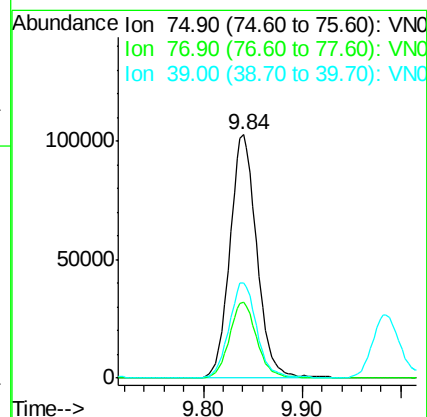
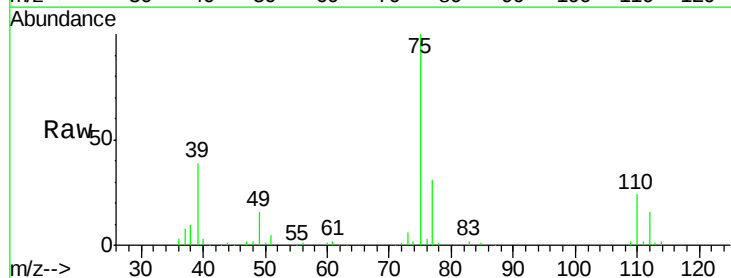
Tgt Ion: 75 Resp: 196182

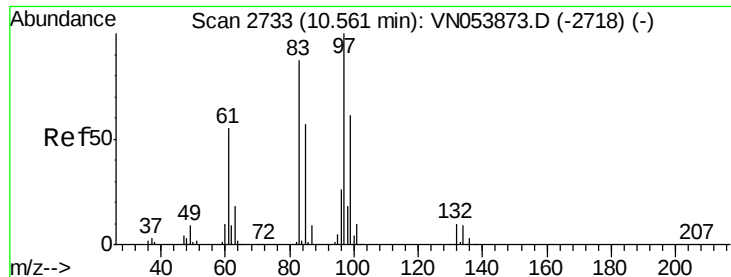
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 39.3 31.4 47.0



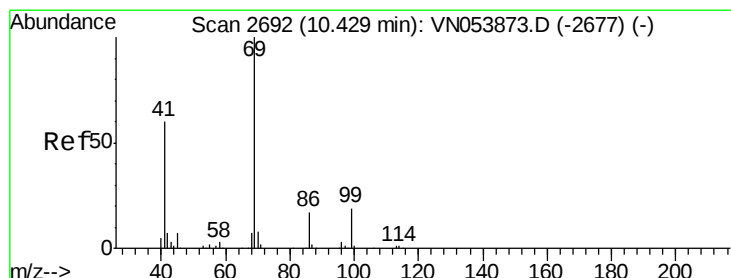
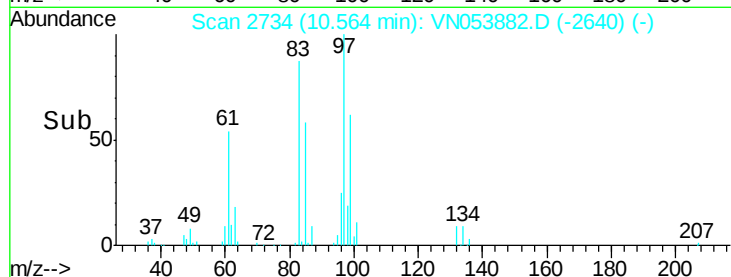
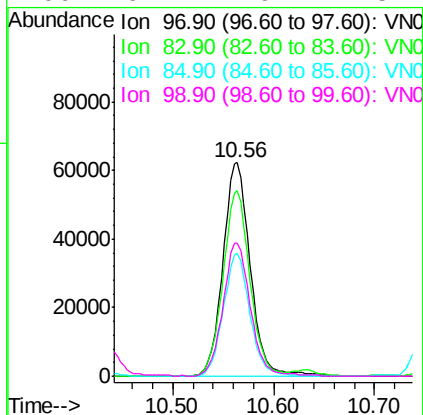
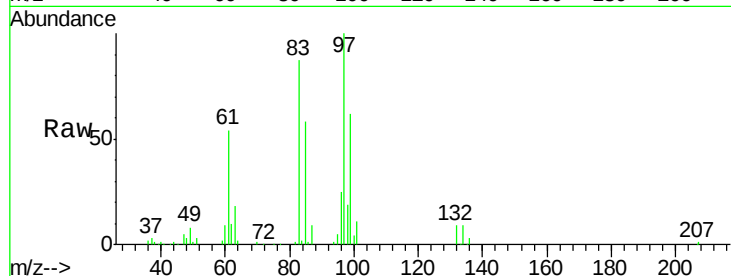


#55
 1,1,2-Trichloroethane
 Concen: 20.910 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion: 97 Resp: 117803

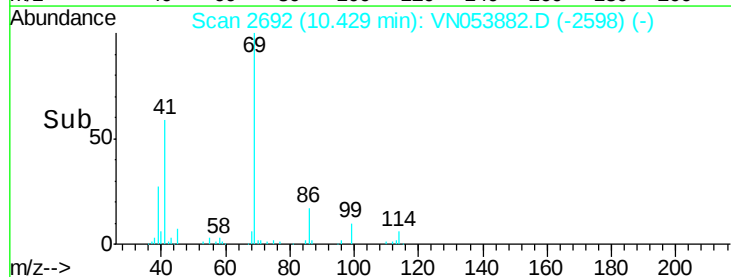
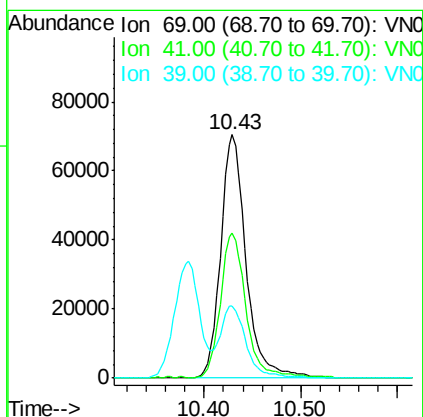
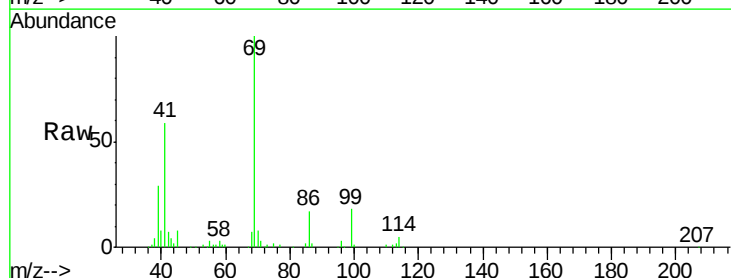
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.5	104.3
85	57.7	45.9	68.9
99	62.2	49.1	73.7

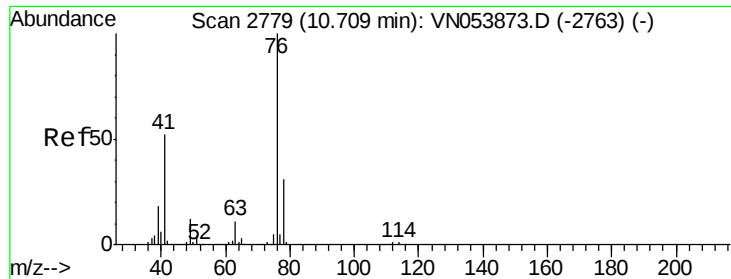


#56
 Ethyl methacrylate
 Concen: 19.310 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 69 Resp: 128379

Ion	Ratio	Lower	Upper
69	100		
41	60.7	47.5	71.3
39	30.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.403 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

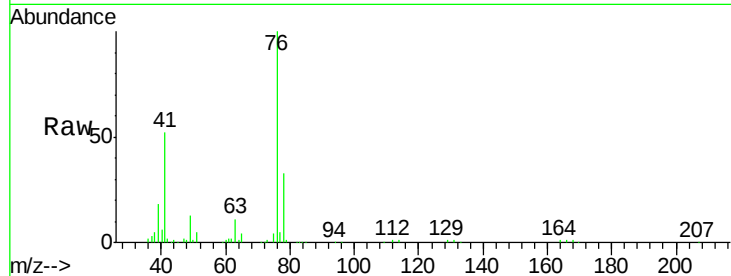
VN0221WBS01

Tot Ion: 76 Resp: 193538

Ion Ratio Lower Upper

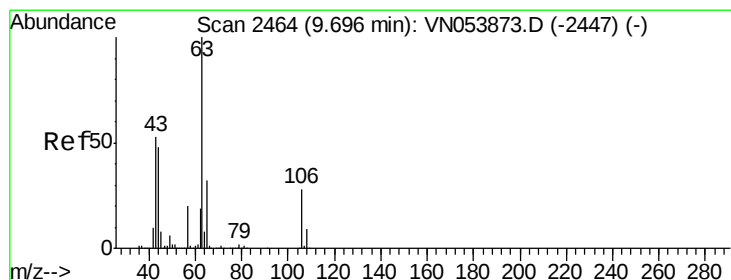
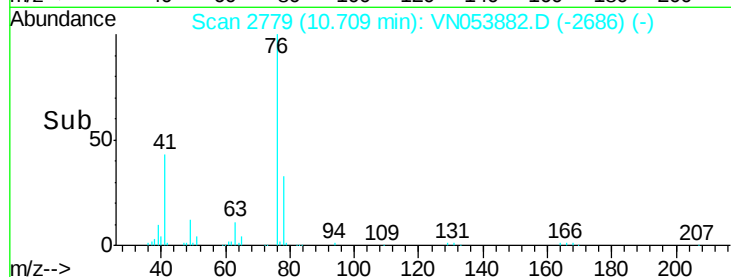
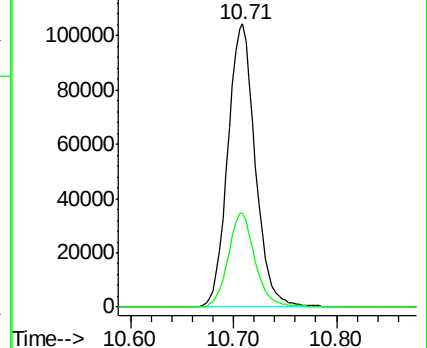
76 100

78 32.5 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.508 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053882.D

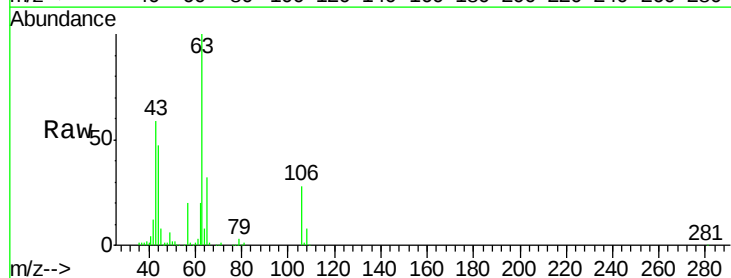
Acq: 21 Feb 2019 10:35

Tgt Ion: 63 Resp: 273008

Ion Ratio Lower Upper

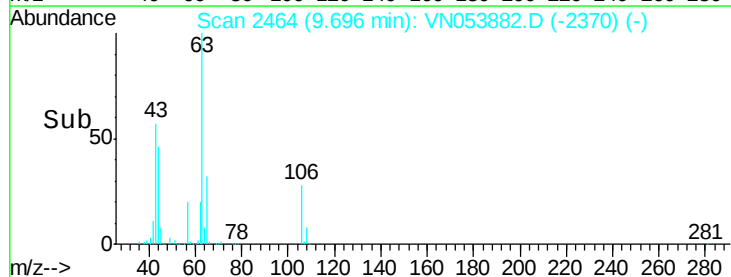
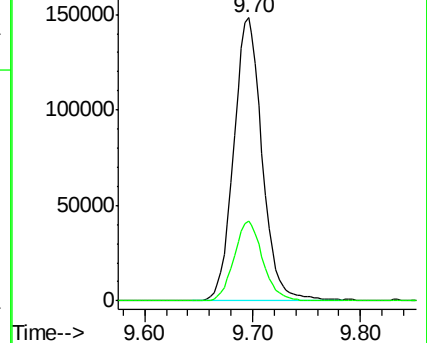
63 100

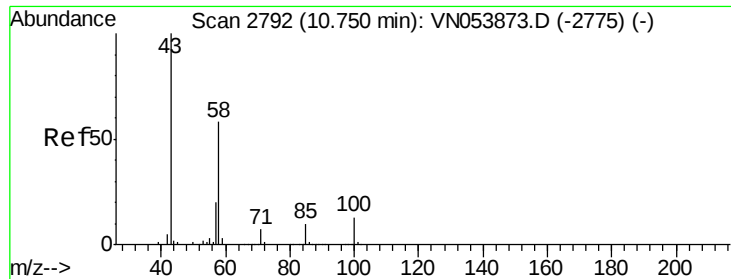
106 28.4 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

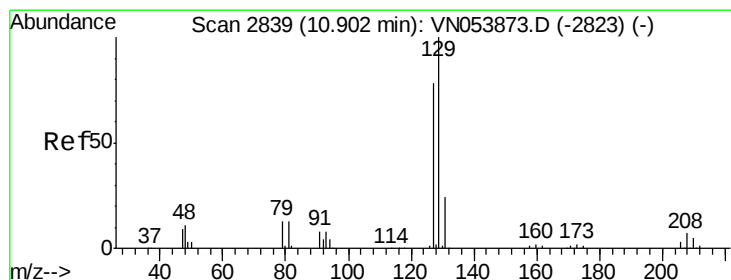
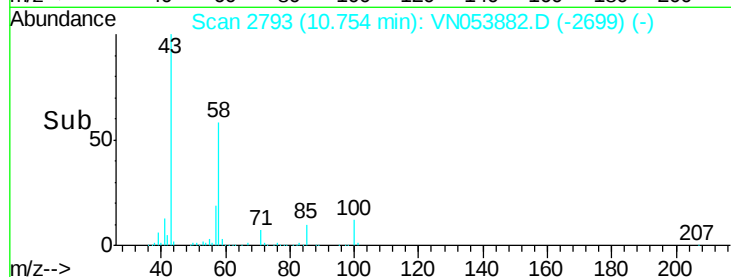
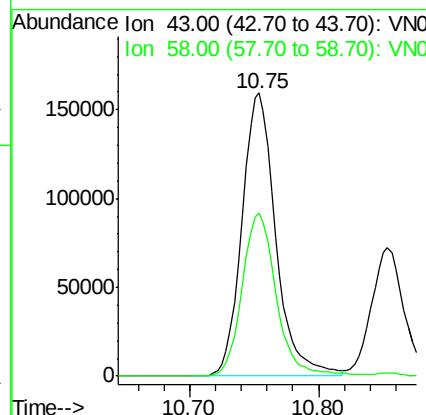
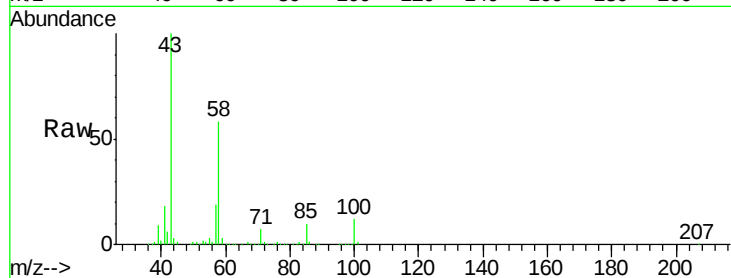




#59
2-Hexanone
Concen: 98.307 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

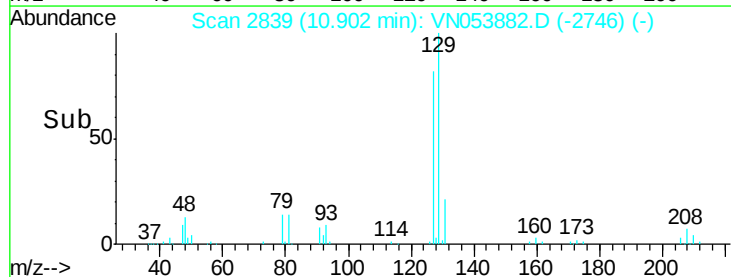
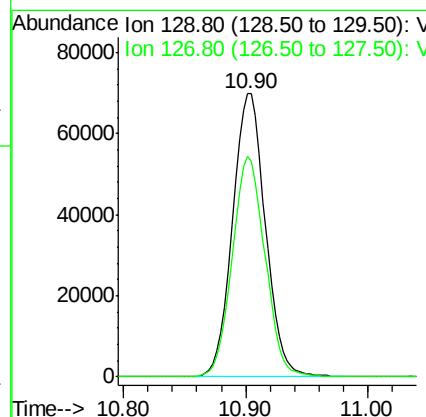
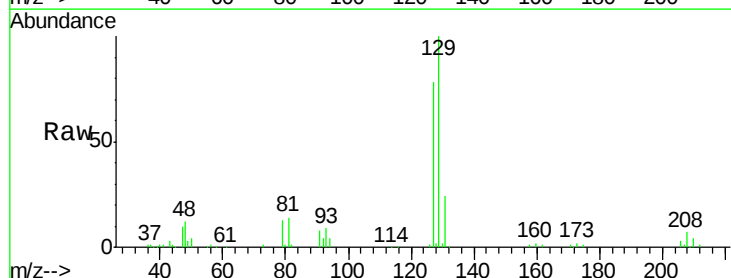
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

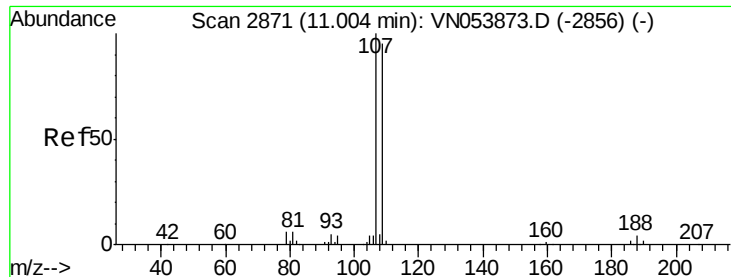
Tot Ion: 43 Resp: 289404
Ion Ratio Lower Upper
43 100
58 58.4 29.1 87.4



#60
Dibromochloromethane
Concen: 19.952 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion:129 Resp: 131202
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3

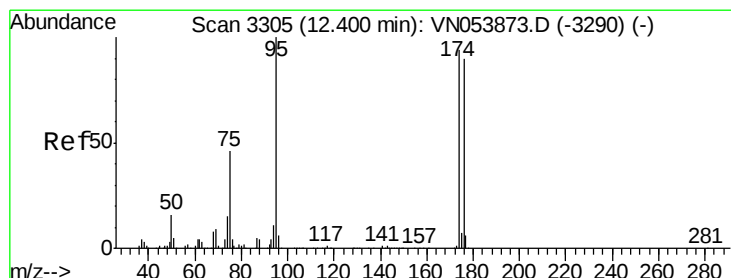
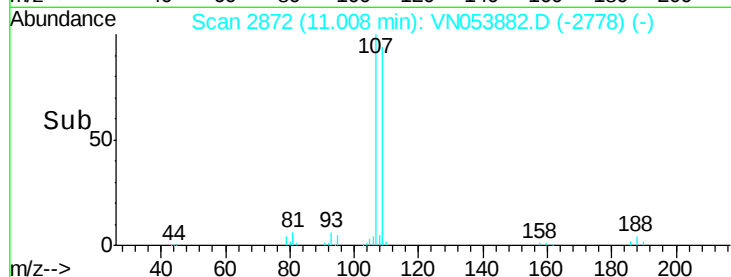
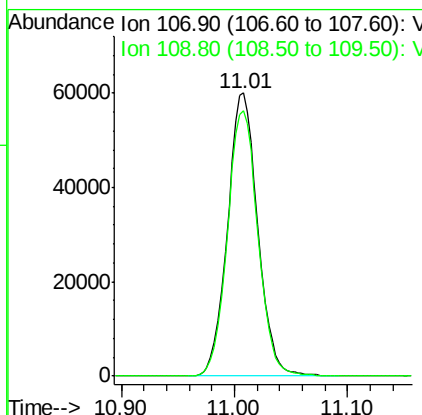
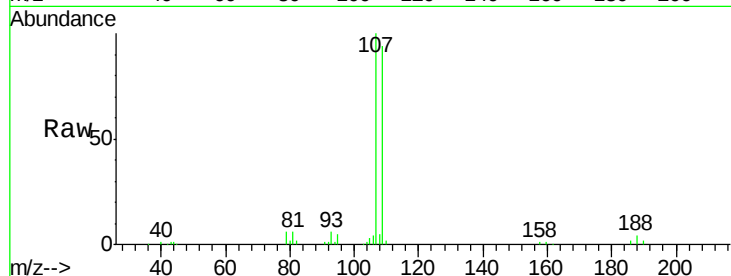




#61
 1,2-Dibromoethane
 Concen: 19.889 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

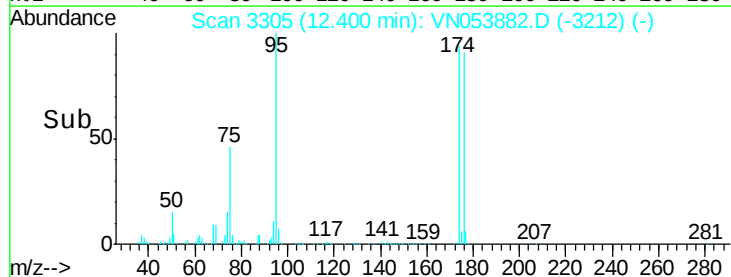
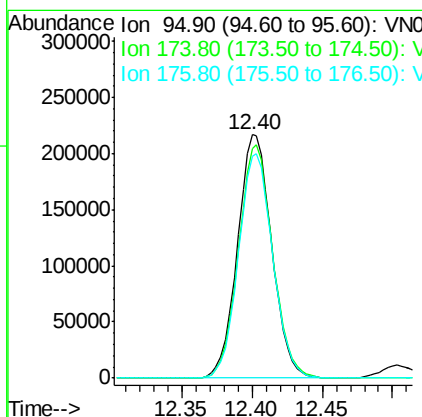
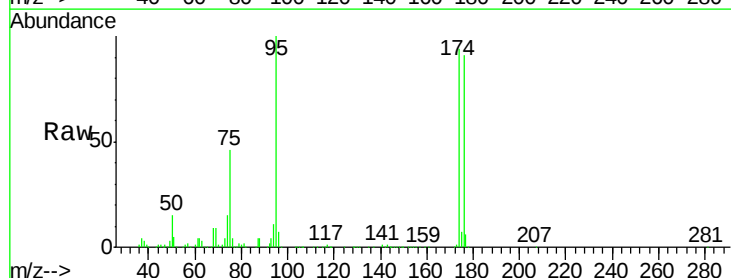
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

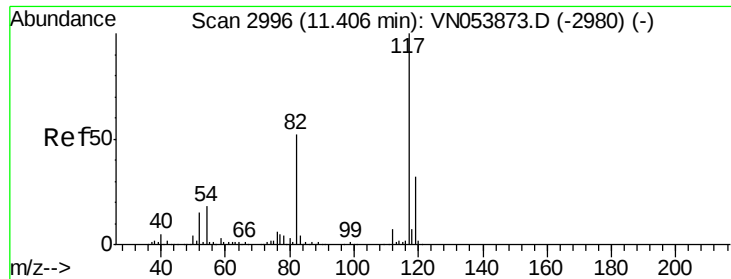
Tot Ion:107 Resp: 111321
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.070 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 95 Resp: 368524
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 188.8
 176 92.3 0.0 182.6

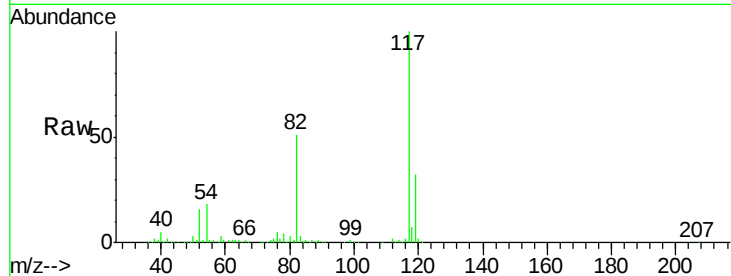




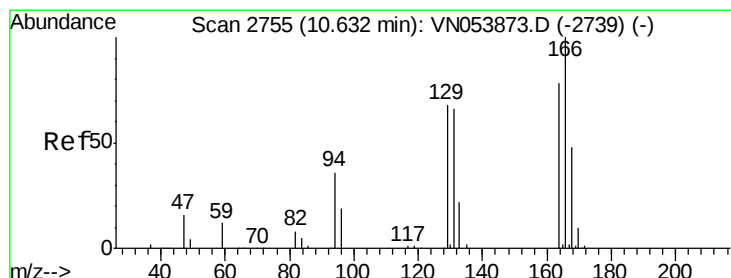
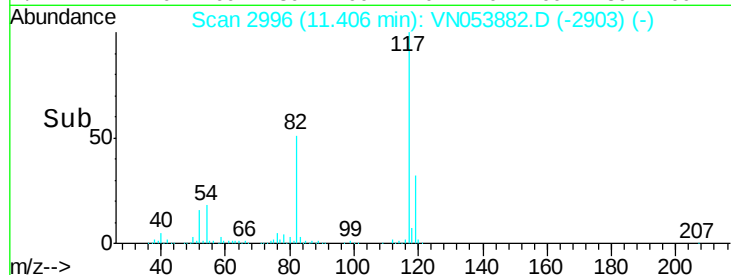
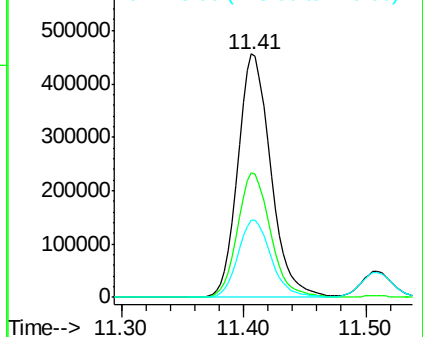
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion:117 Resp: 850790
Ion Ratio Lower Upper
117 100
82 51.2 41.4 62.2
119 31.7 25.3 37.9

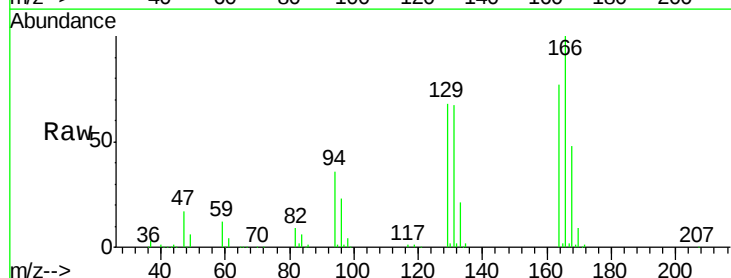


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

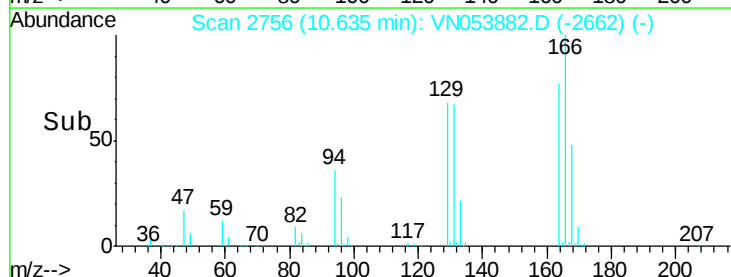
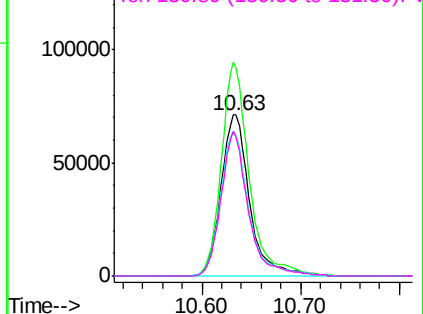


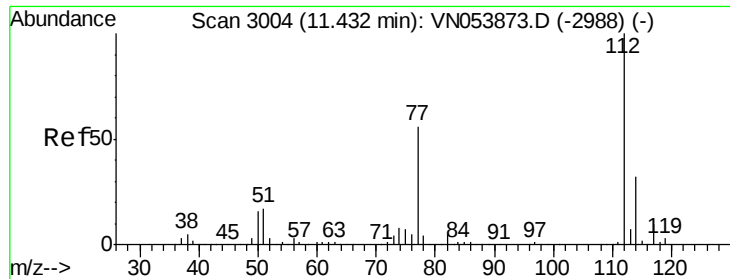
#64
Tetrachloroethene
Concen: 18.974 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion:164 Resp: 144349
Ion Ratio Lower Upper
164 100
166 129.3 102.6 153.8
129 87.4 69.4 104.0
131 86.8 68.1 102.1



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

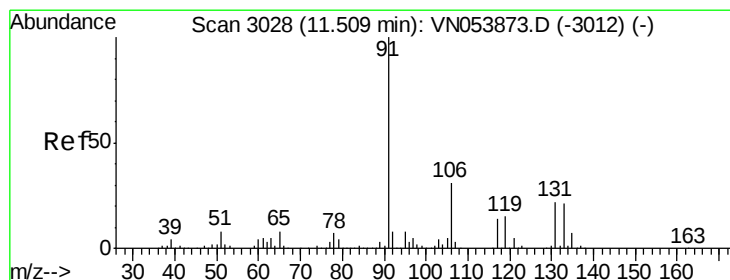
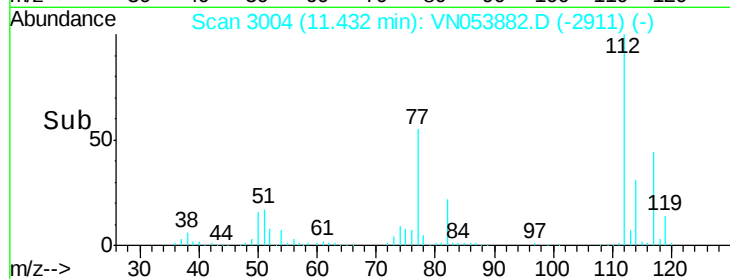
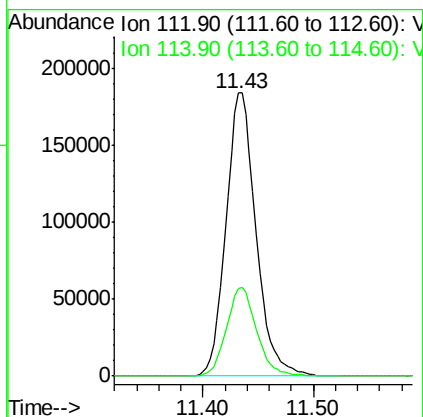
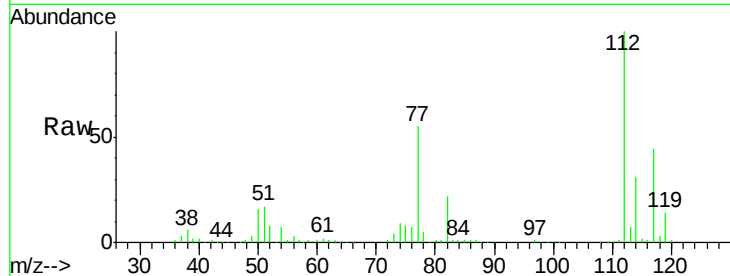




#65
Chlorobenzene
Concen: 19.441 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

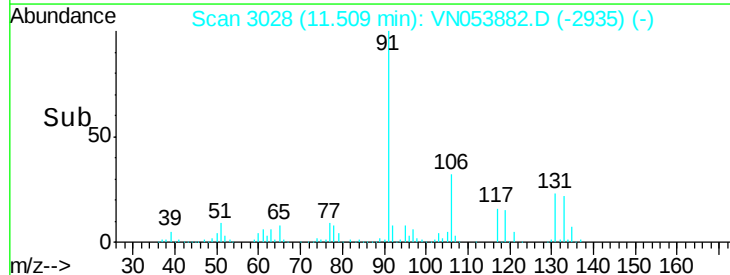
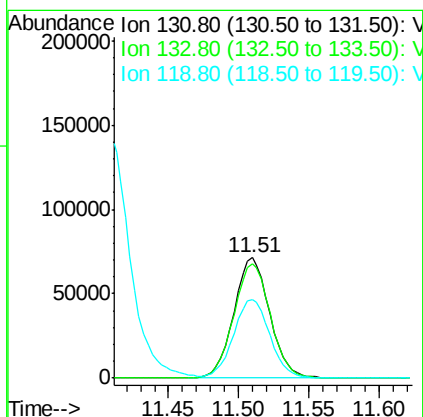
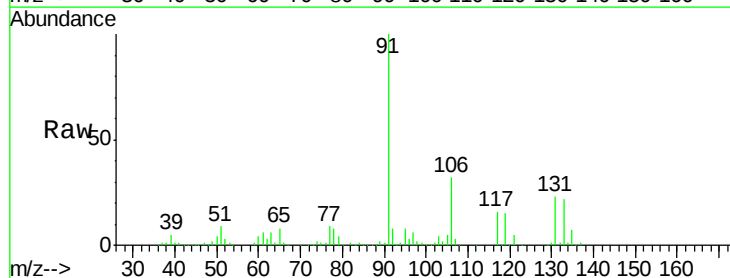
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

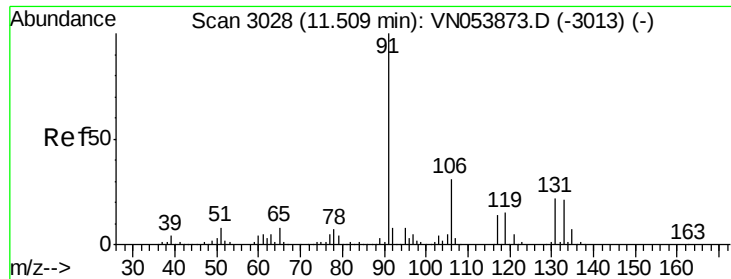
Tot Ion:112 Resp: 346208
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.558 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion:131 Resp: 127095
Ion Ratio Lower Upper
131 100
133 97.3 47.7 143.1
119 66.6 33.1 99.3





#67

Ethyl Benzene

Concen: 19.634 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

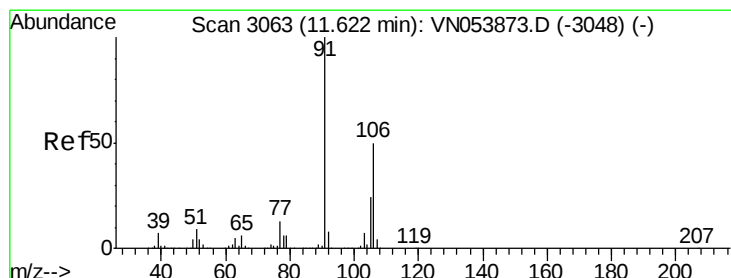
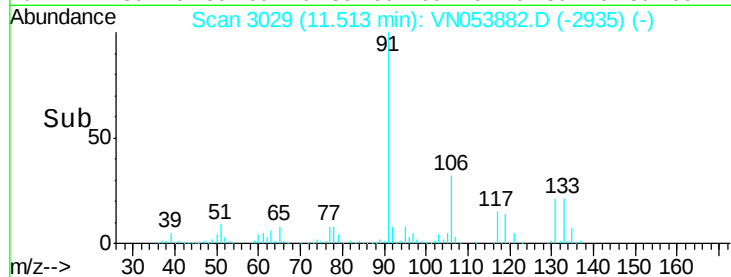
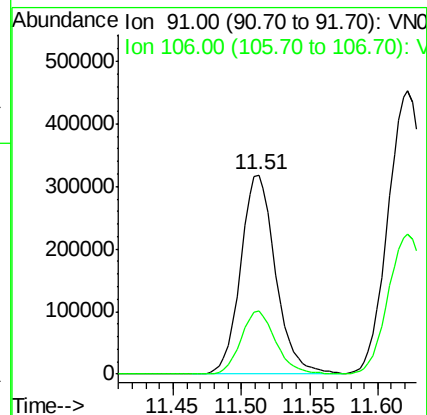
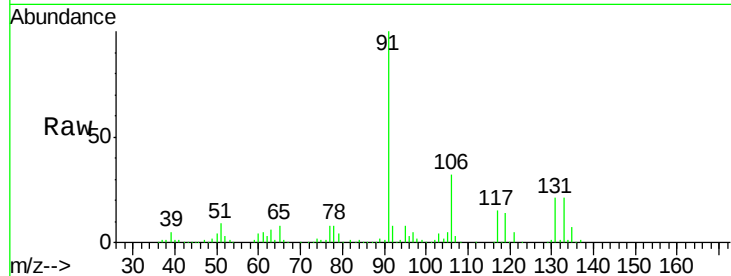
VN0221WBS01

Tot Ion: 91 Resp: 565874

Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8



#68

m/p-Xylenes

Concen: 39.876 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053882.D

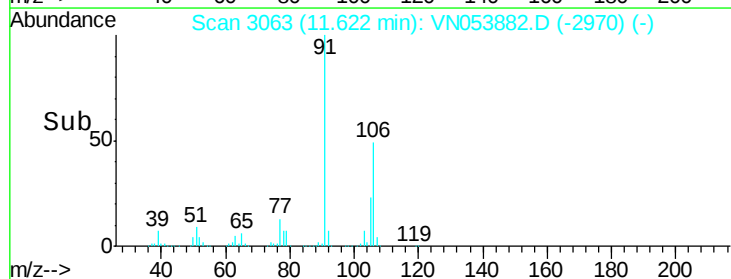
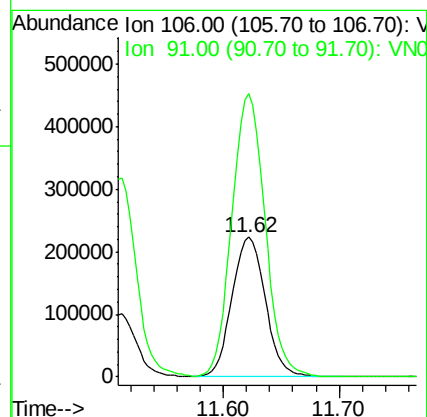
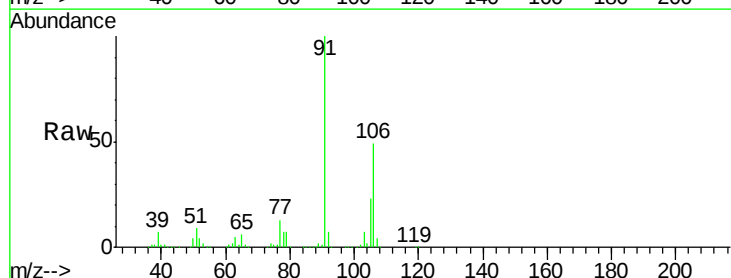
Acq: 21 Feb 2019 10:35

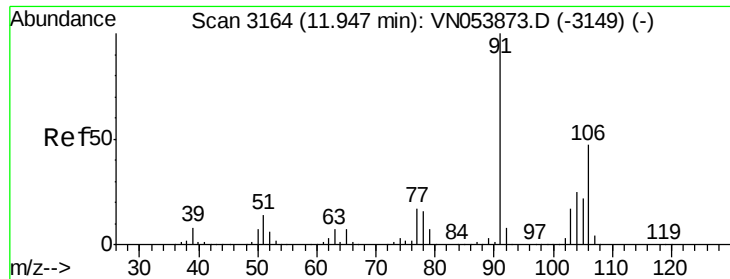
Tgt Ion: 106 Resp: 444990

Ion Ratio Lower Upper

106 100

91 201.4 158.9 238.3

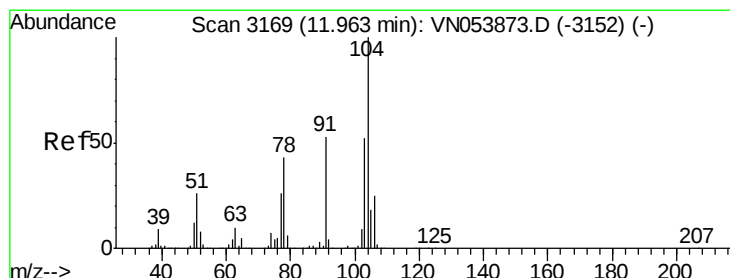
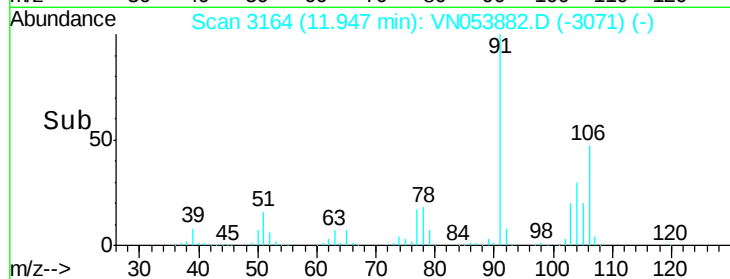
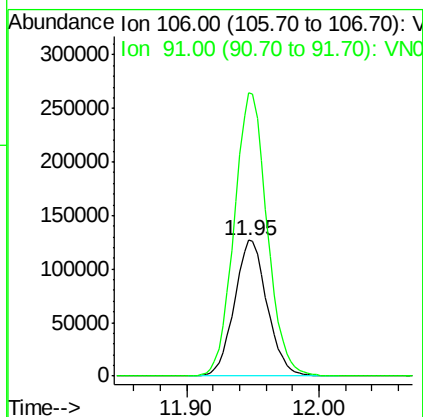
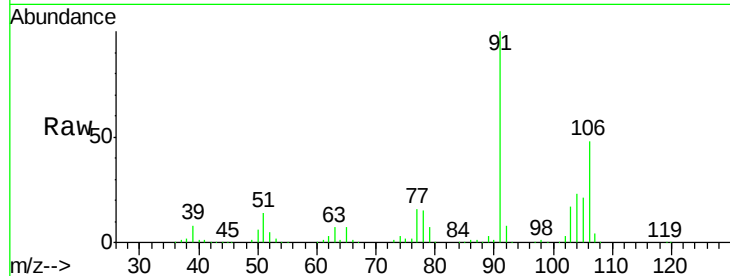




#69
o-Xylene
Concen: 20.248 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

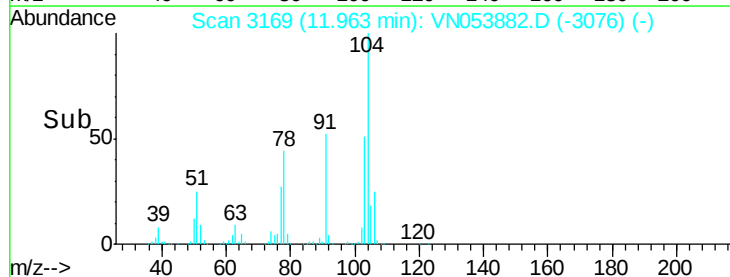
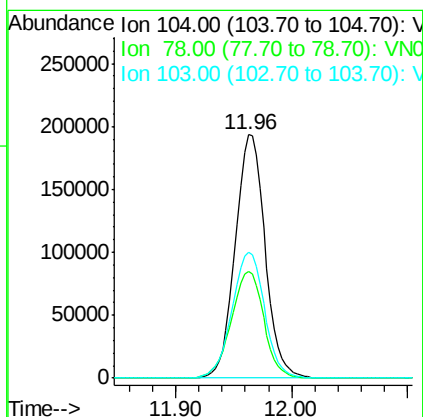
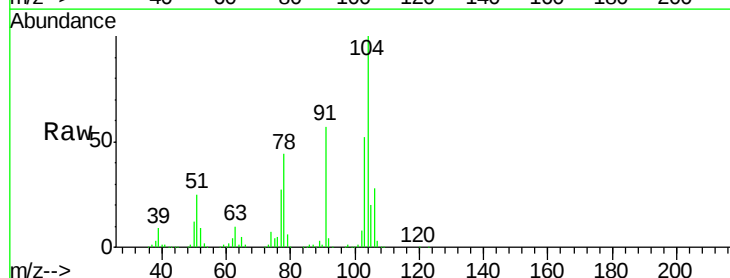
Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

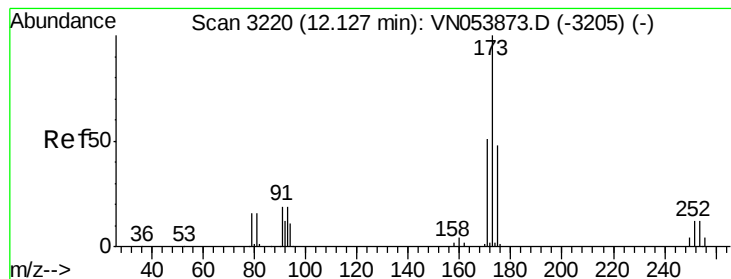
Tot Ion:106 Resp: 217527
Ion Ratio Lower Upper
106 100
91 209.7 106.0 318.0



#70
Styrene
Concen: 20.470 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion:104 Resp: 345093
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 56.4 44.6 67.0





#71

Bromoform

Concen: 19.271 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

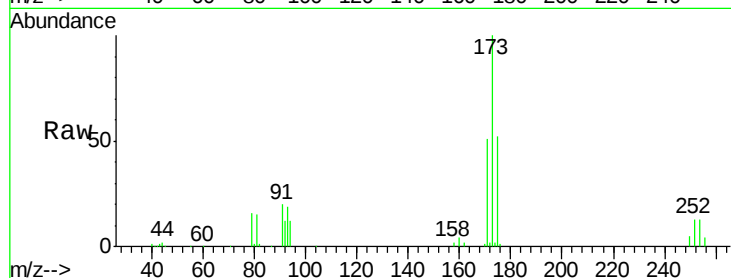
Tot Ion:173 Resp: 88876

Ion Ratio Lower Upper

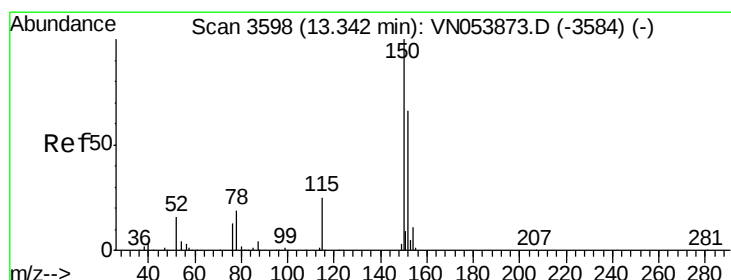
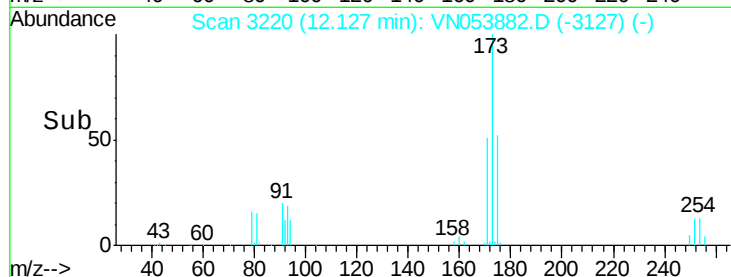
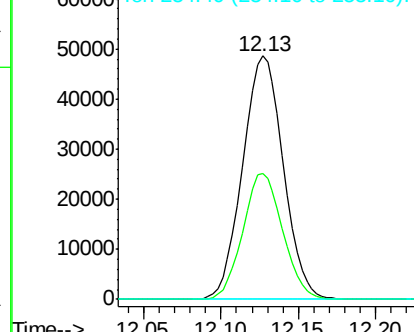
173 100

175 50.6 24.3 72.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

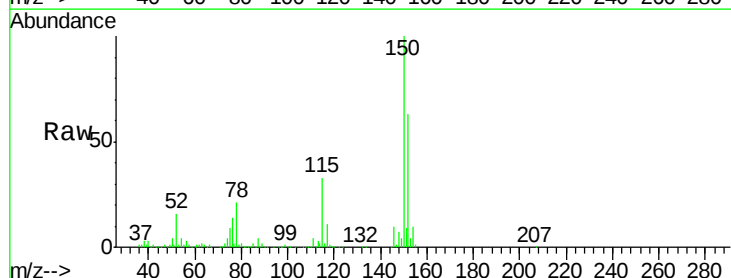
Tgt Ion:152 Resp: 388157

Ion Ratio Lower Upper

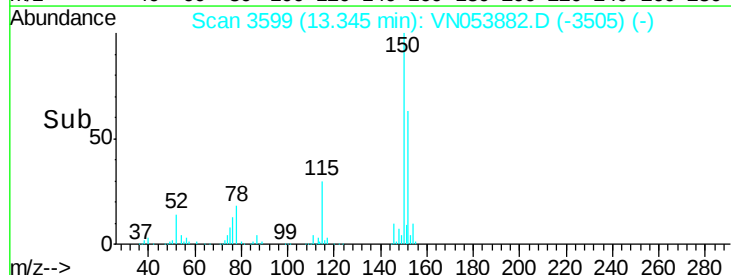
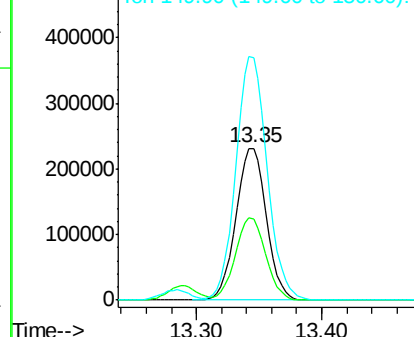
152 100

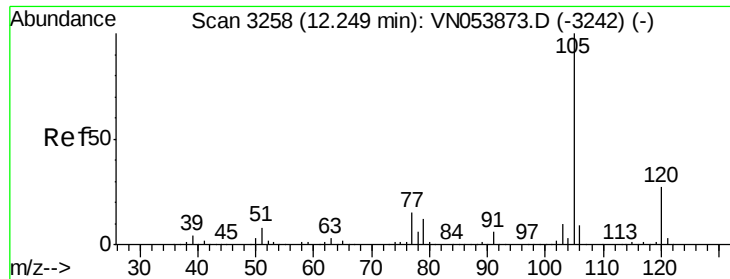
115 54.3 27.2 81.6

150 165.3 0.0 348.2



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: 20.838 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

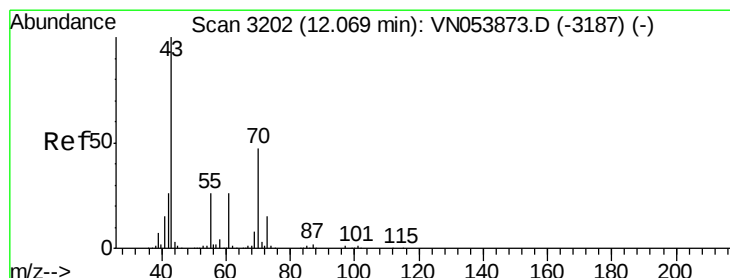
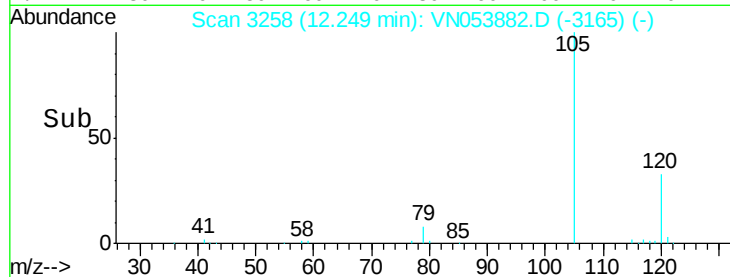
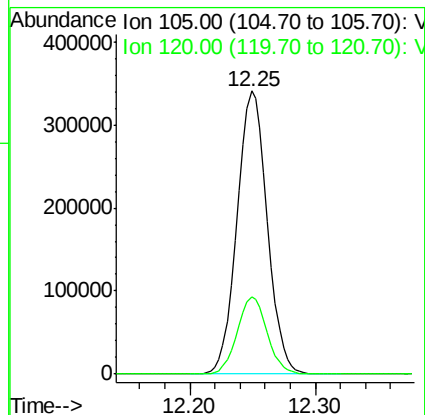
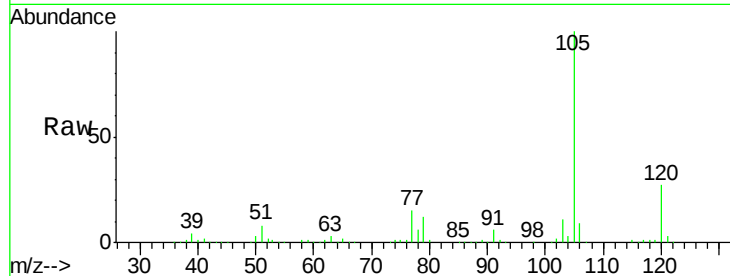
VN0221WBS01

Tot Ion:105 Resp: 569827

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 19.430 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion: 43 Resp: 122008

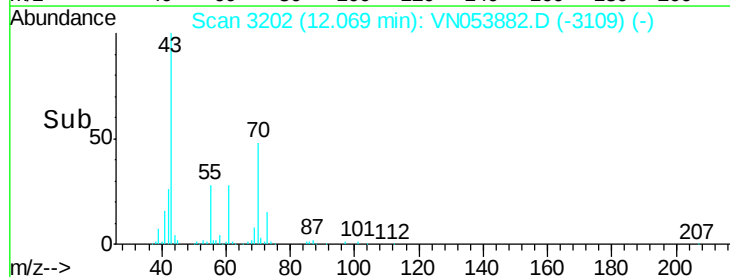
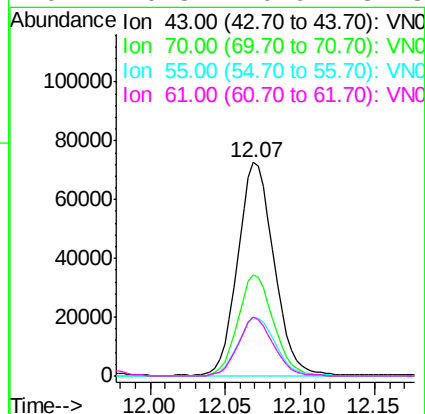
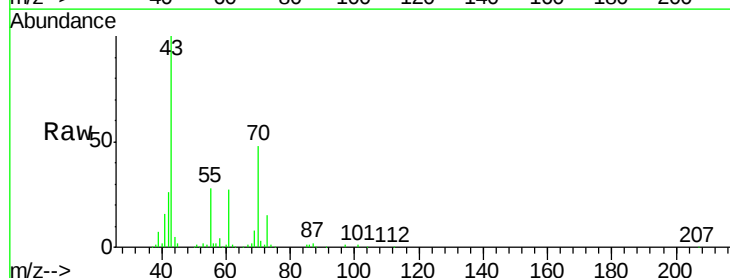
Ion Ratio Lower Upper

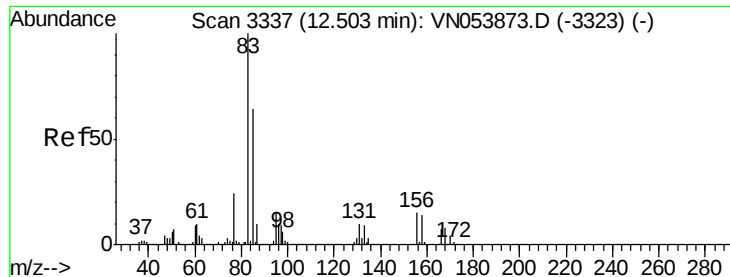
43 100

70 47.0 37.4 56.2

55 28.4 21.4 32.0

61 26.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

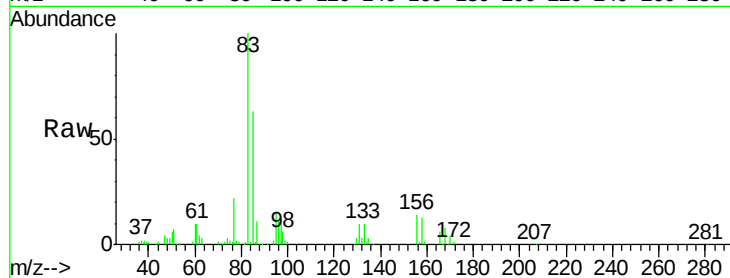
Tot Ion: 83 Resp: 132498

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

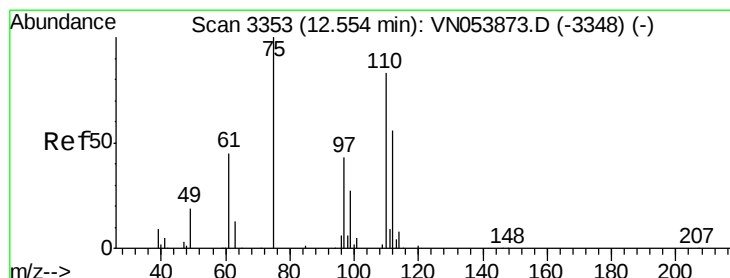
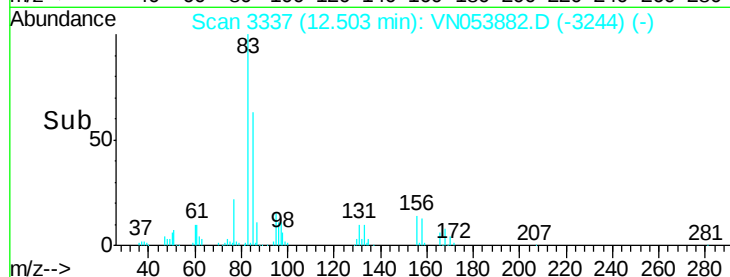
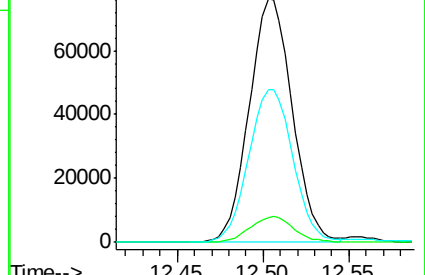
85 64.4 31.9 95.9



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: 28.438 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053882.D

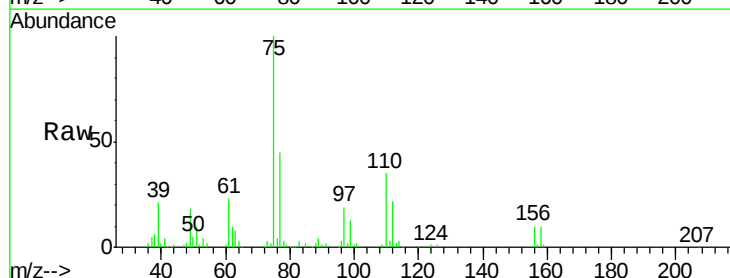
Acq: 21 Feb 2019 10:35

Tgt Ion: 75 Resp: 162042

Ion Ratio Lower Upper

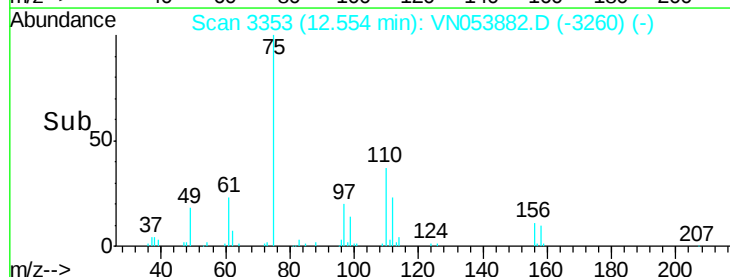
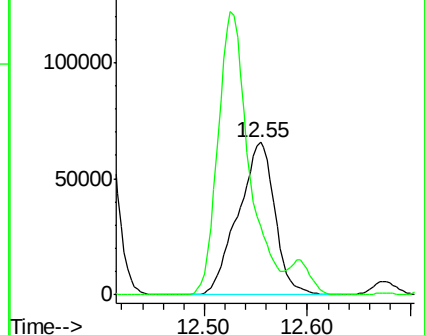
75 100

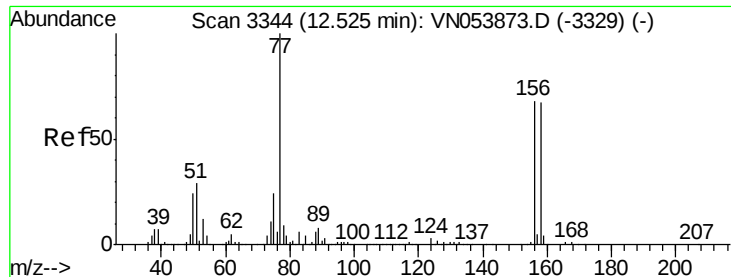
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.292 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

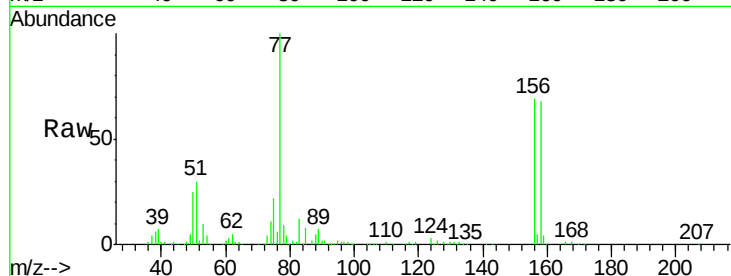
Tot Ion:156 Resp: 148851

Ion Ratio Lower Upper

156 100

77 171.6 84.0 252.2

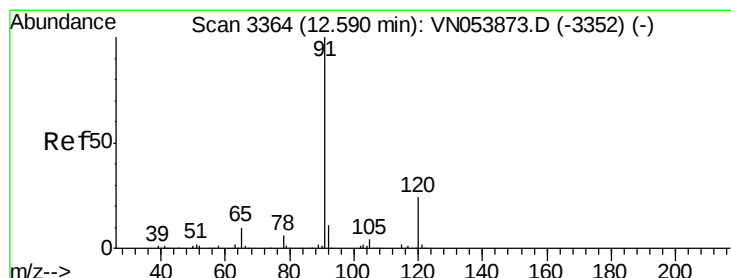
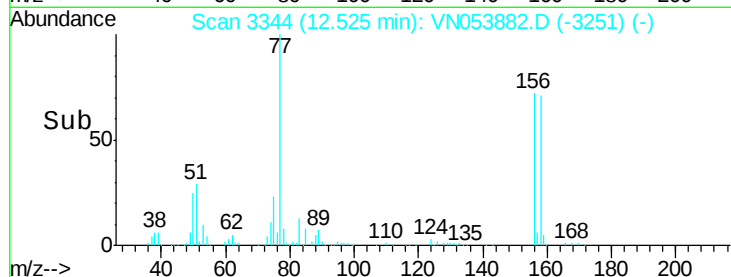
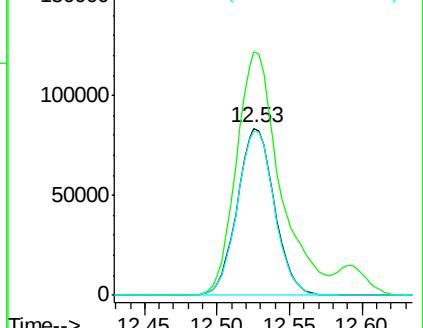
158 98.3 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.961 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053882.D

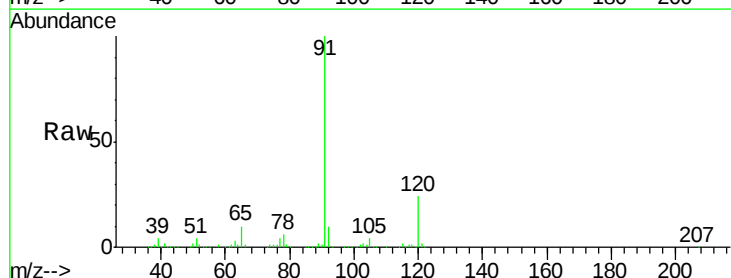
Acq: 21 Feb 2019 10:35

Tgt Ion: 91 Resp: 640972

Ion Ratio Lower Upper

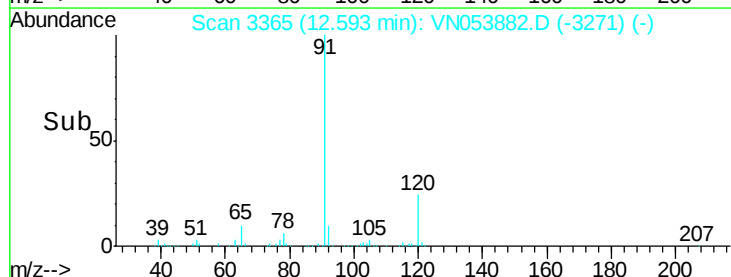
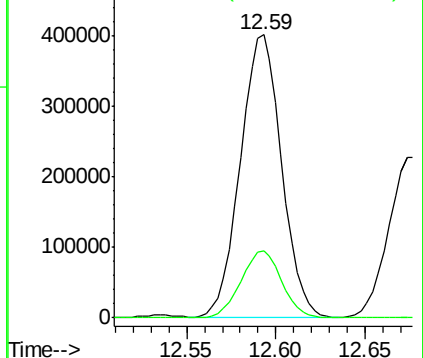
91 100

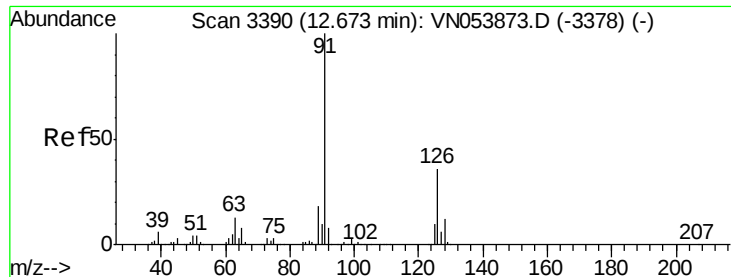
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

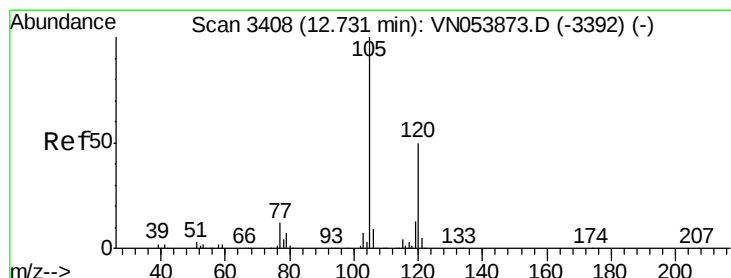
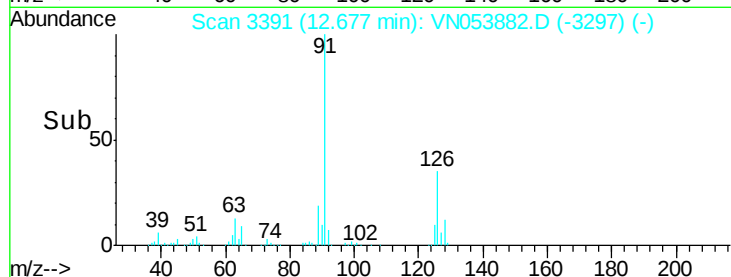
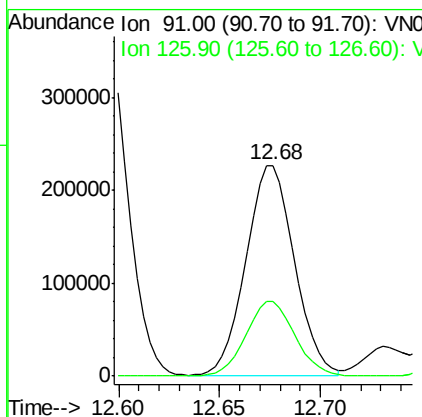
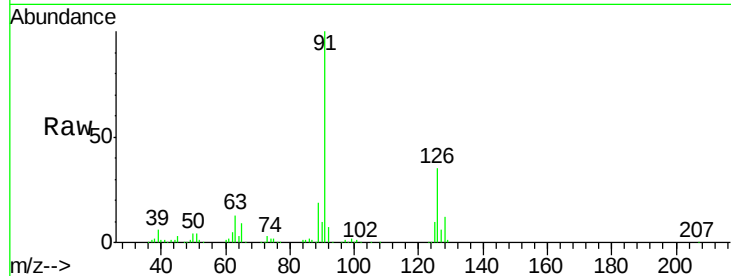




#79
 2-Chlorotoluene
 Concen: 20.669 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

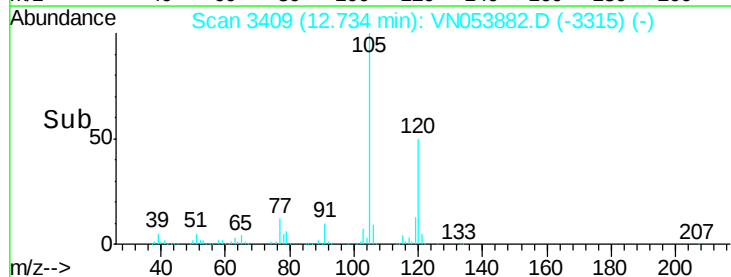
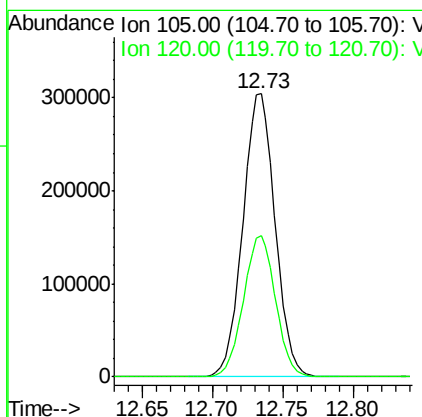
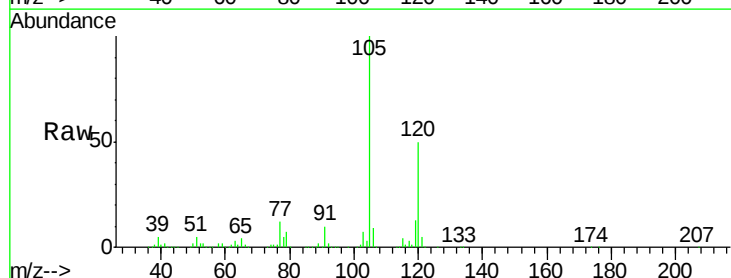
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

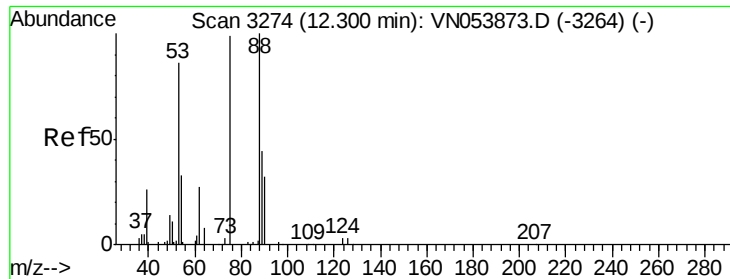
Tot Ion: 91 Resp: 381098
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.365 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 105 Resp: 484941
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.1 75.2

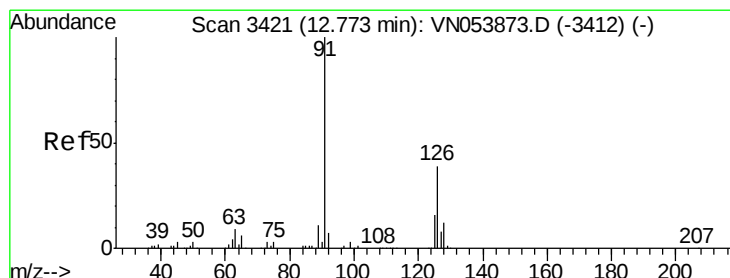
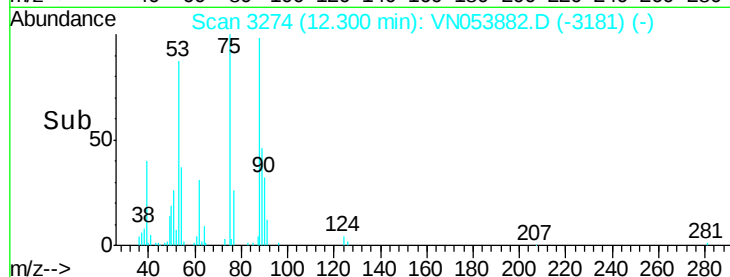
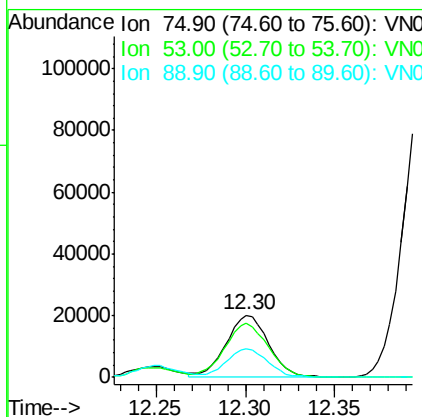
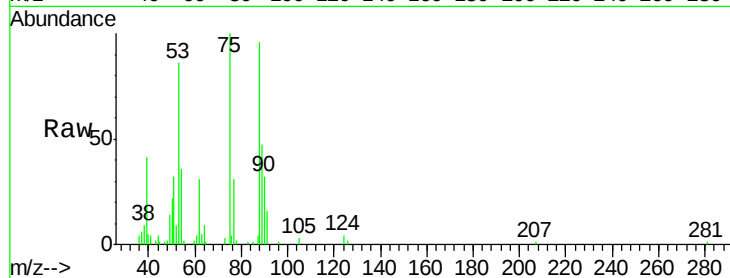




#81
trans-1,4-Dichloro-2-butene
Concen: 19.412 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

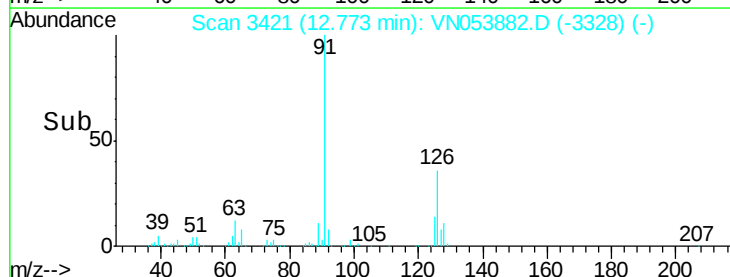
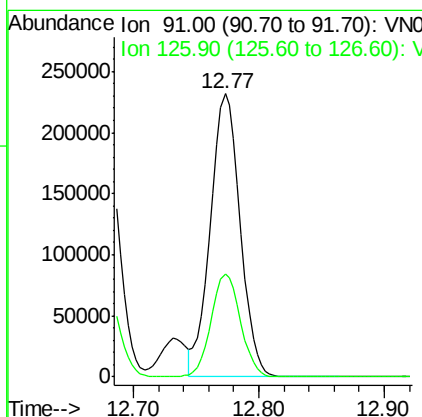
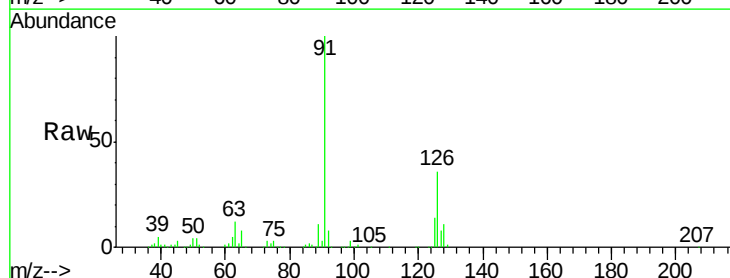
Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

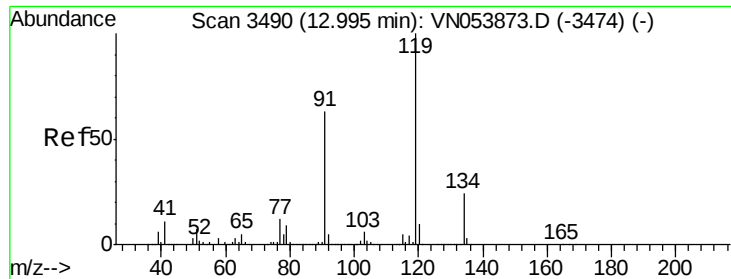
Tot Ion: 75 Resp: 33506
Ion Ratio Lower Upper
75 100
53 87.7 68.6 102.8
89 44.7 35.3 52.9



#82
4-Chlorotoluene
Concen: 20.807 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 91 Resp: 382196
Ion Ratio Lower Upper
91 100
126 35.9 18.0 54.0

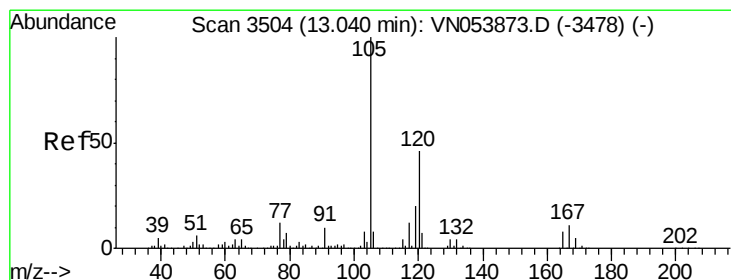
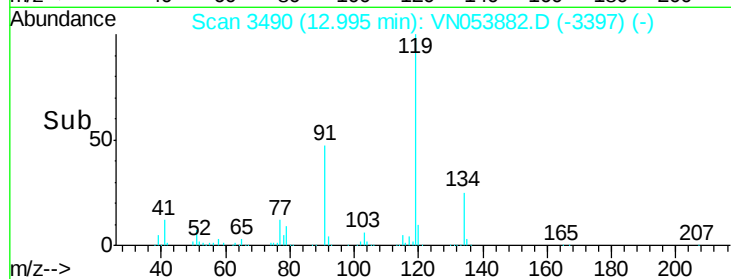
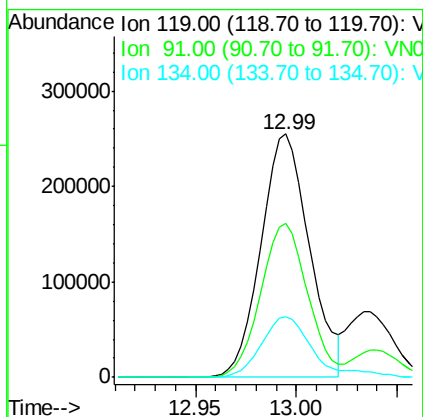
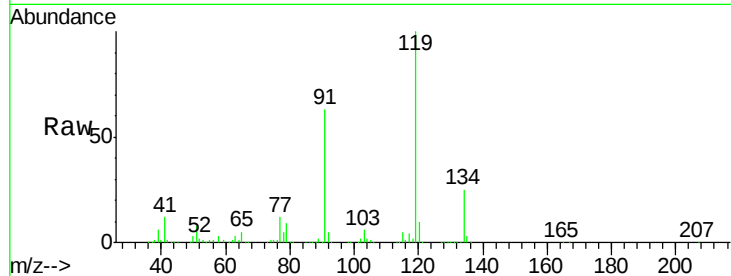




#83
 tert-Butylbenzene
 Concen: 20.931 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

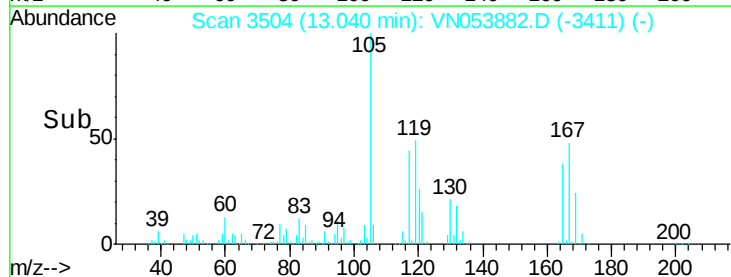
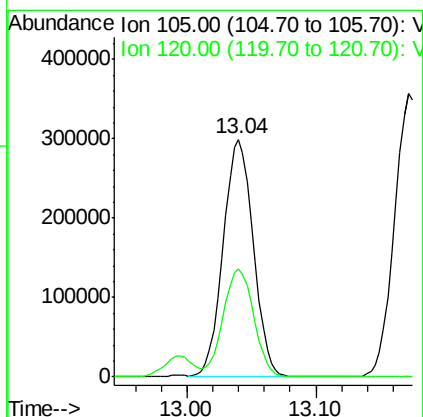
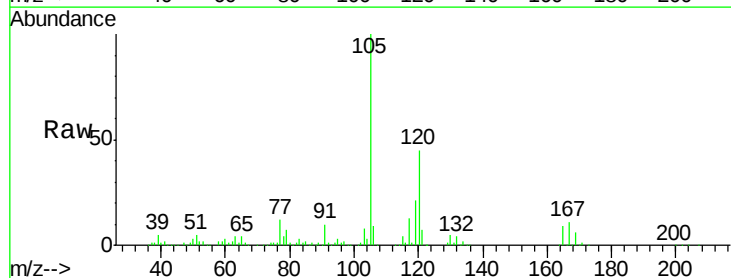
Instrument :
 MSVOA_N
 ClientSampled :
 VN0221WBS01

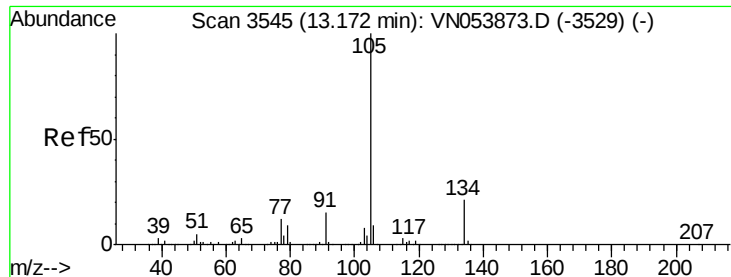
Tot Ion:119 Resp: 426596
 Ion Ratio Lower Upper
 119 100
 91 61.3 30.6 91.8
 134 26.5 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.274 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion:105 Resp: 484315
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.866 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

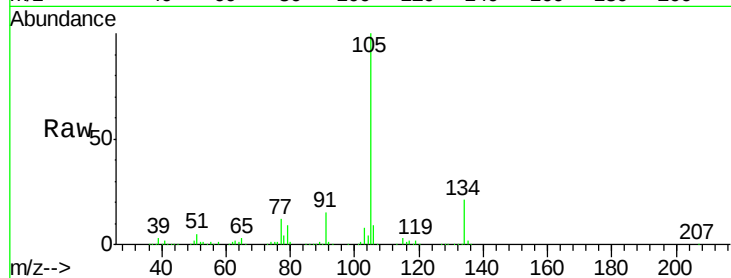
VN0221WBS01

Tot Ion:105 Resp: 572600

Ion Ratio Lower Upper

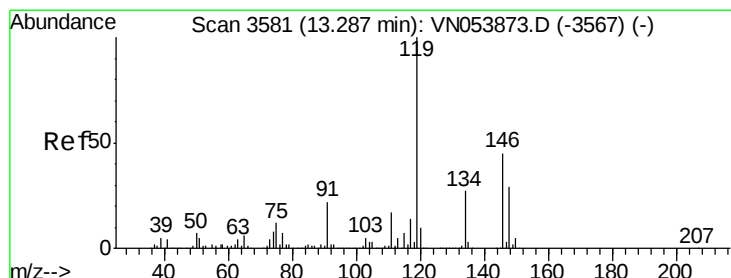
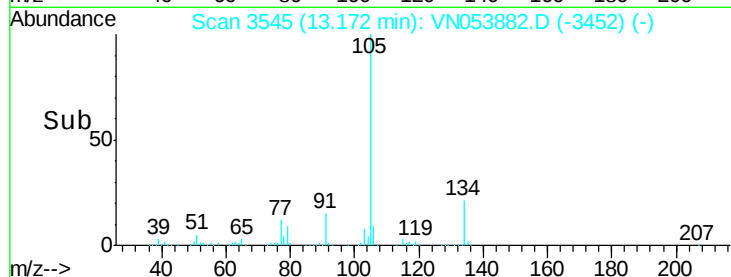
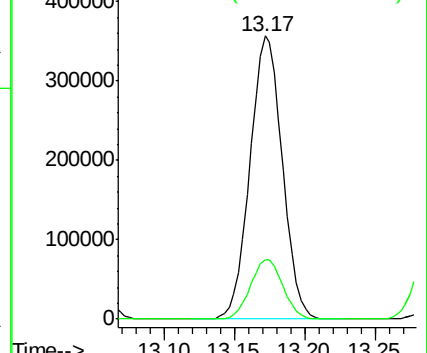
105 100

134 21.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.913 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

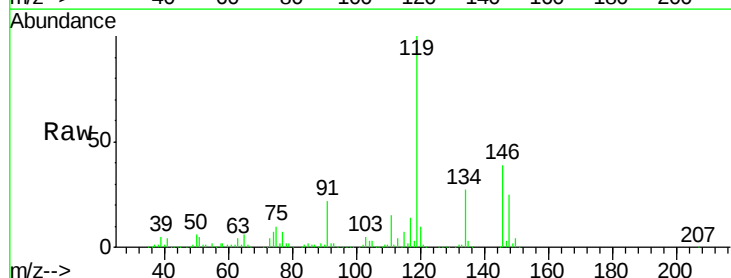
Tgt Ion:119 Resp: 498083

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

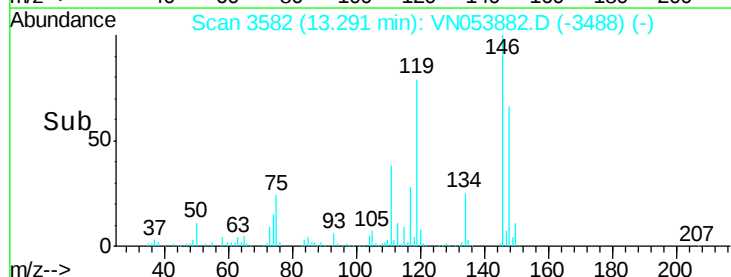
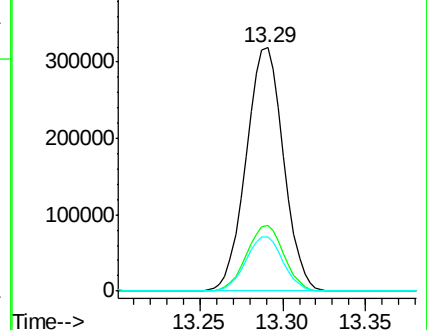
91 22.3 10.9 32.6

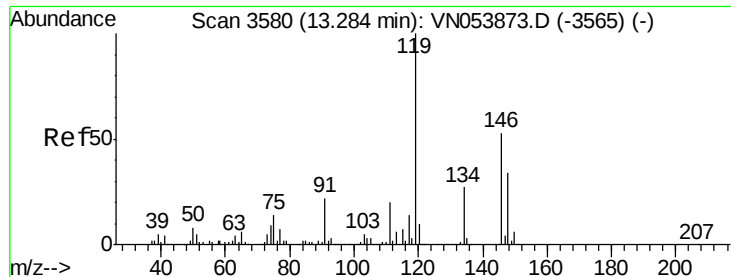


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

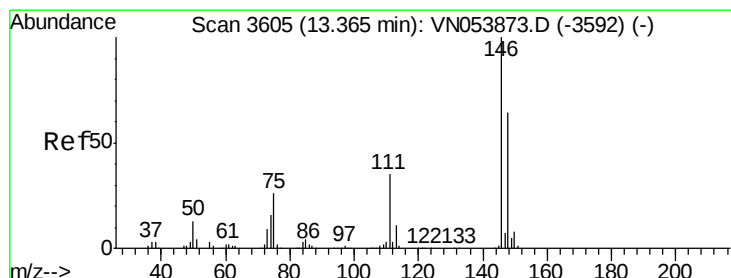
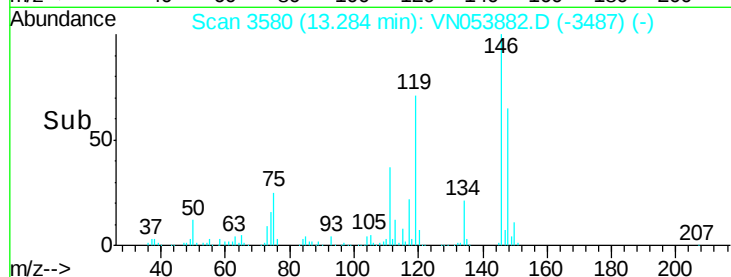
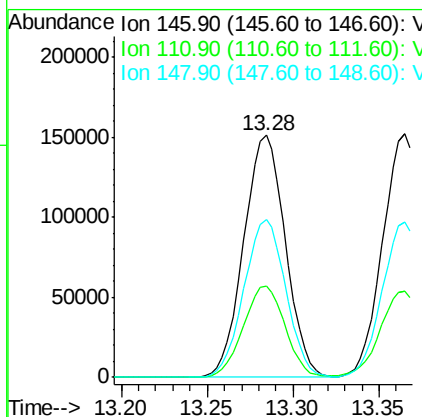
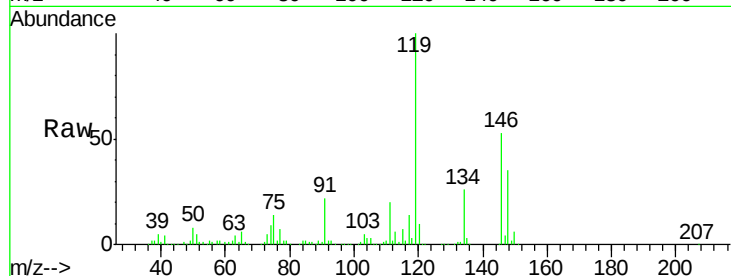




#87
 1,3-Dichlorobenzene
 Concen: 19.885 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

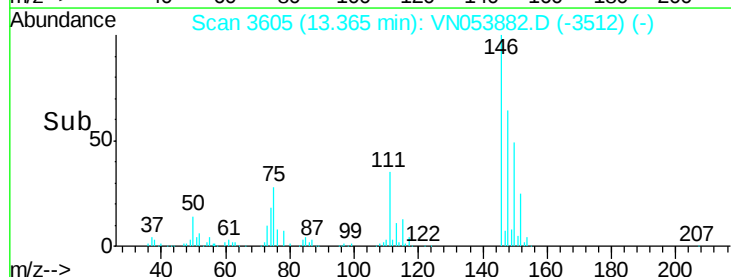
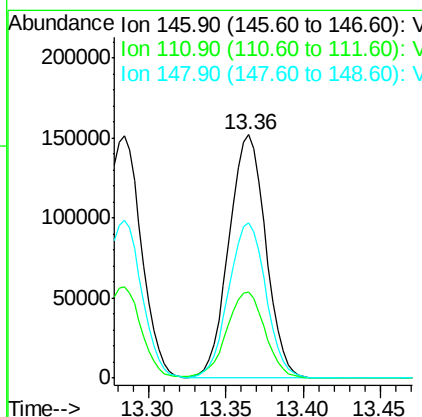
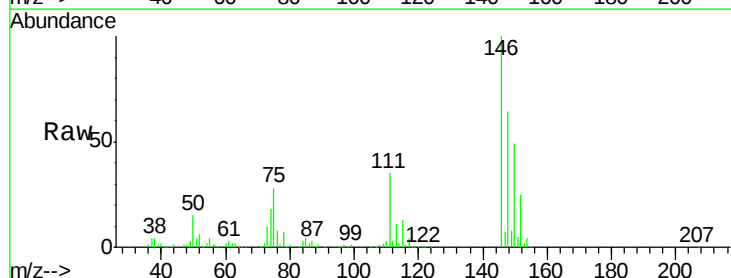
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

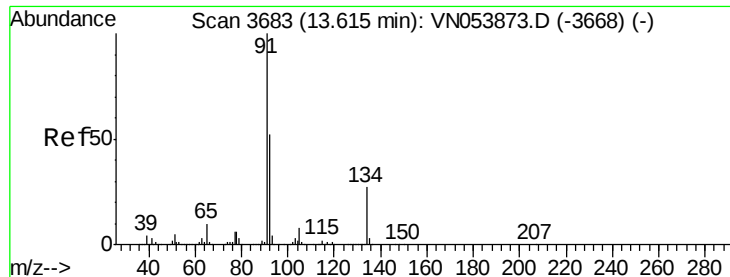
Tot Ion:146 Resp: 254533
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 65.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.557 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion:146 Resp: 251880
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.0 54.0
 148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 20.096 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

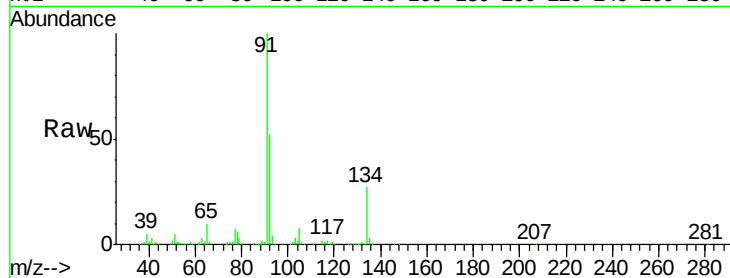
Tot Ion: 91 Resp: 393584

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.2

134 26.9 13.6 40.8

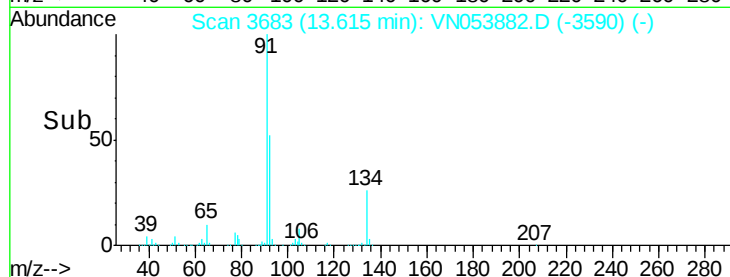


Abundance Ion 91.00 (90.70 to 91.70): VN053873.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053873.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053873.D (-3668) (-)

Time-->

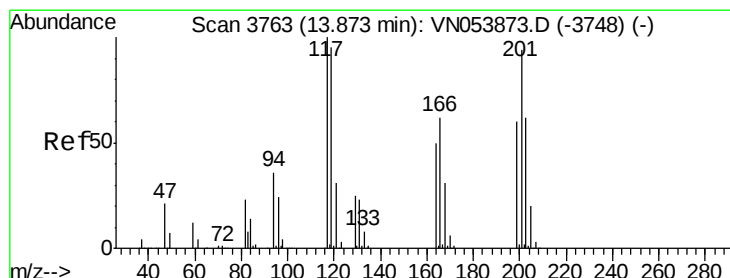


Abundance Ion 91.00 (90.70 to 91.70): VN053882.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053882.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053882.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 19.214 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN053882.D

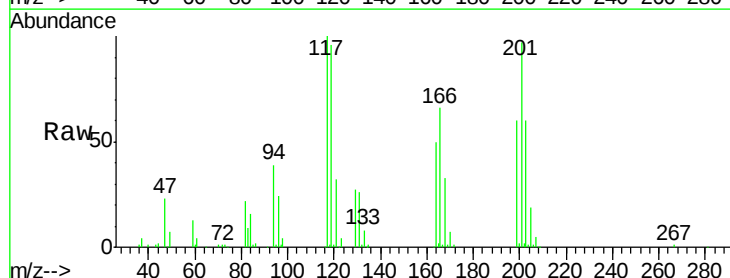
Acq: 21 Feb 2019 10:35

Tgt Ion: 117 Resp: 87421

Ion Ratio Lower Upper

117 100

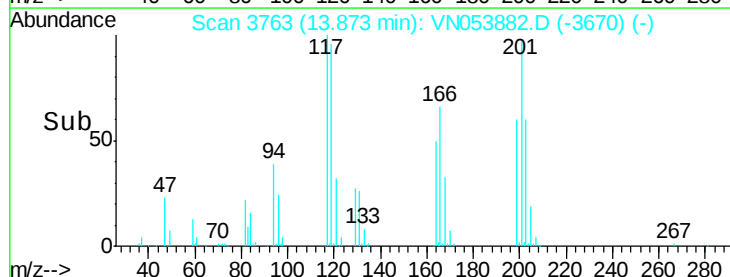
201 98.6 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): VN053873.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053873.D (-3748) (-)

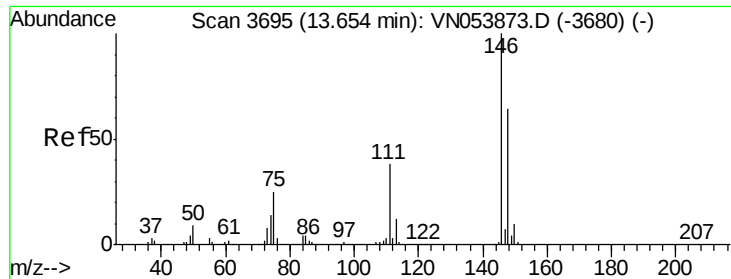
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053882.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN053882.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 20.040 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

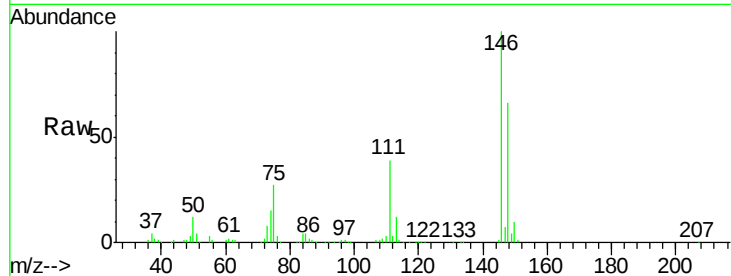
Tot Ion:146 Resp: 251667

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.5

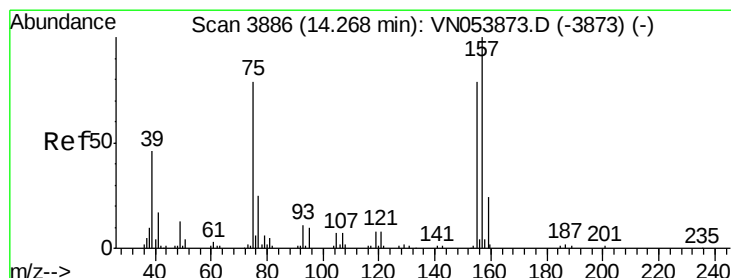
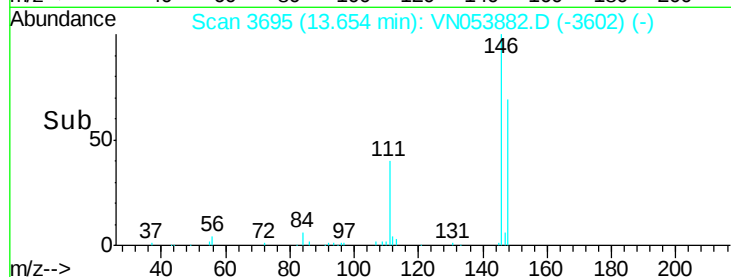
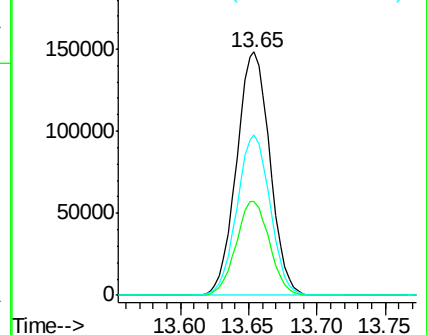
148 65.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.705 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

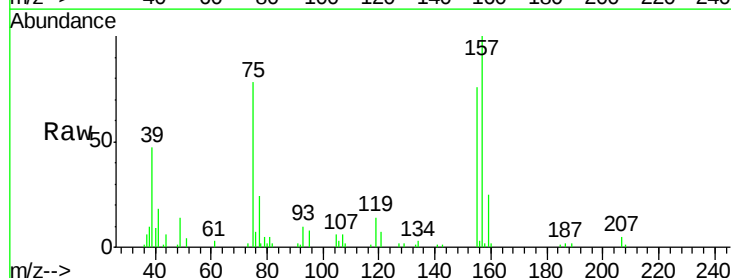
Tgt Ion: 75 Resp: 19533

Ion Ratio Lower Upper

75 100

155 102.7 49.5 148.5

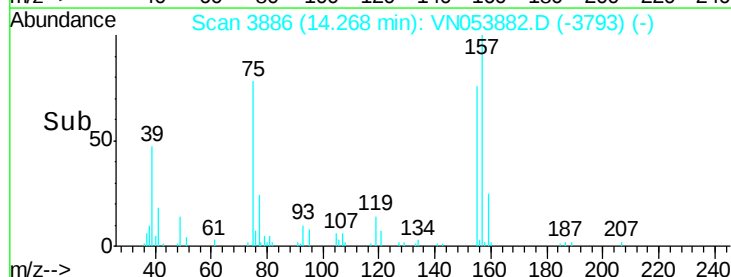
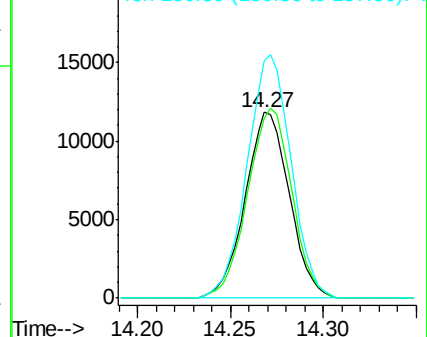
157 130.3 64.8 194.6

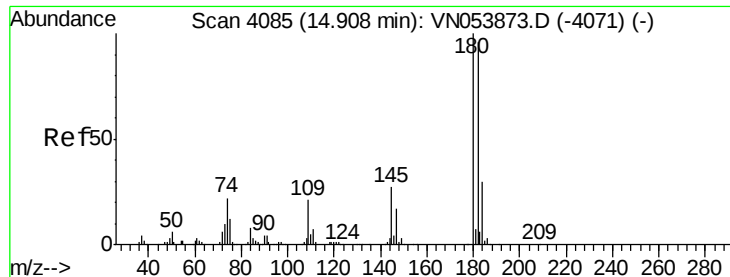


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

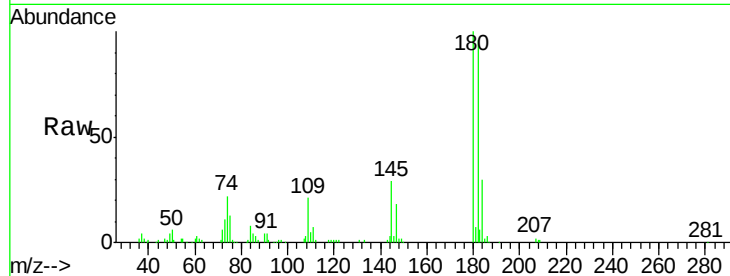




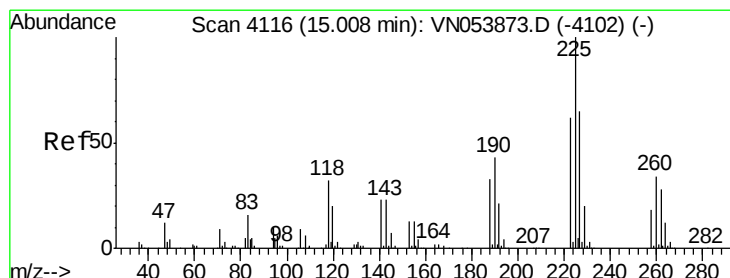
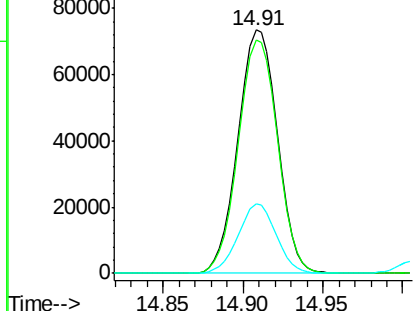
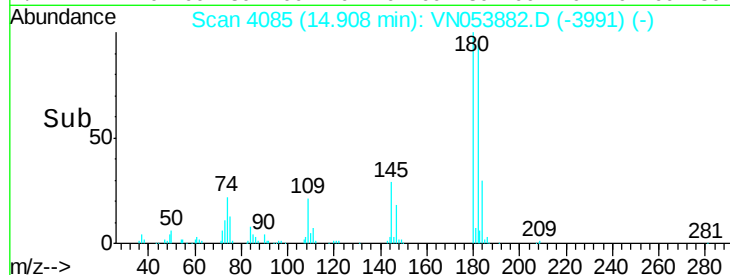
#93
 1,2,4-Trichlorobenzene
 Concen: 18.201 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion:180 Resp: 123432
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.6 145.9
 145 27.4 13.8 41.3

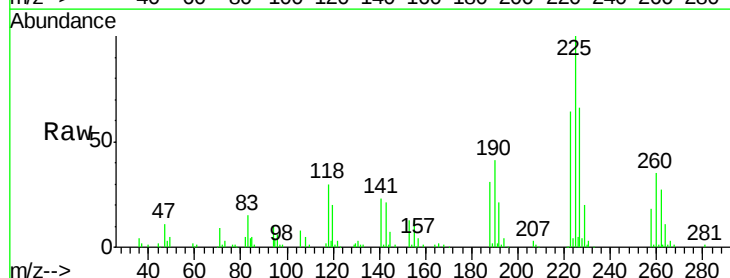


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

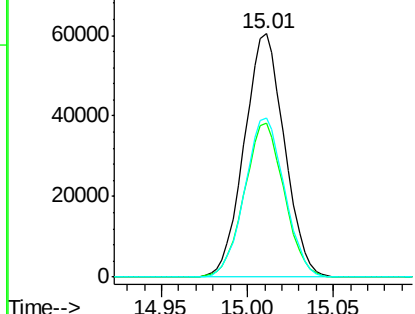
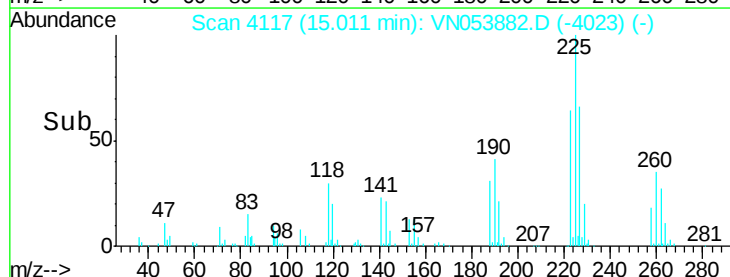


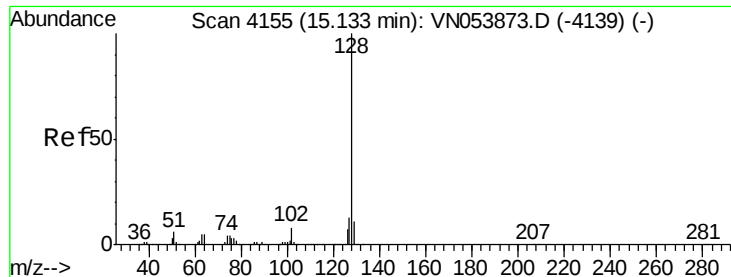
#94
 Hexachlorobutadiene
 Concen: 18.663 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion:225 Resp: 97742
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.5
 227 64.9 32.5 97.4



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: 18.724 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

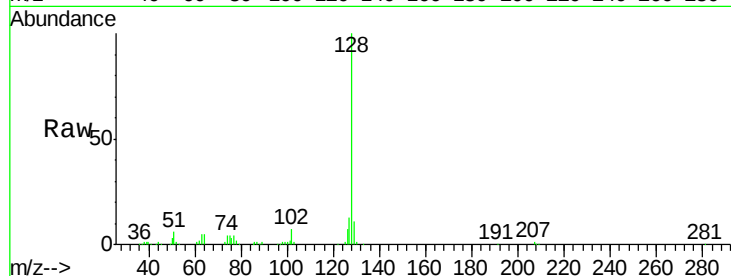
Tot Ion:128 Resp: 239417

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

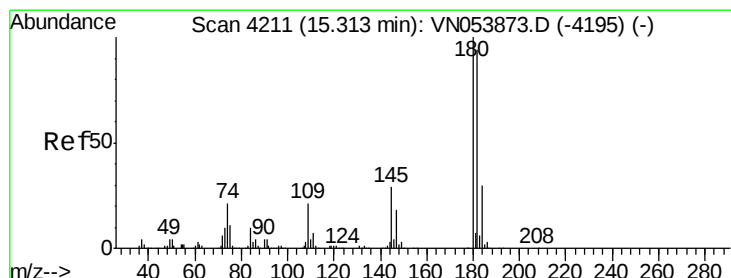
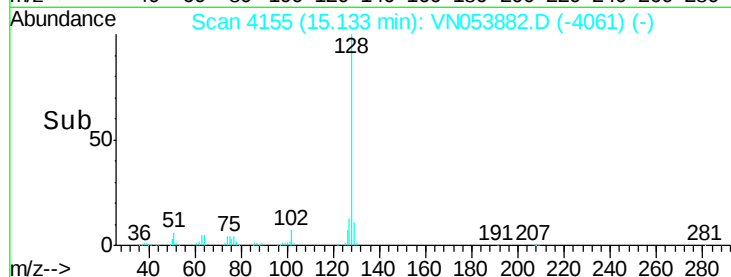
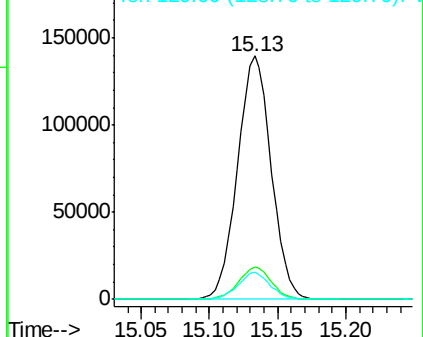
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.077 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

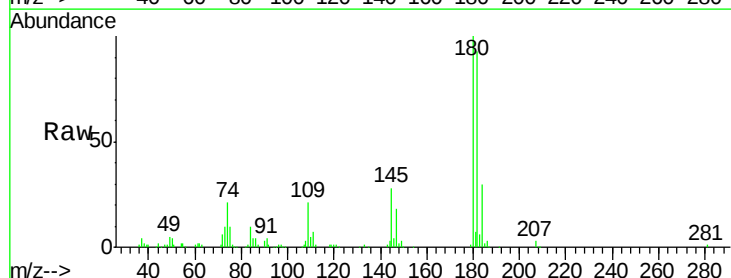
Tgt Ion:180 Resp: 125634

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 29.0 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

