

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122118\
 Data File : VN053103.D
 Acq On : 21 Dec 2018 15:45
 Operator : MD\SY
 Sample : VN1221MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Quant Time: Jan 11 04:24:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1018135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1552861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1382882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	658805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	480251	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	7.59	113	377111	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.09	98	1691649	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
62) 4-Bromofluorobenzene	12.40	95	595980	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192131	18.646	ug/l	99
3) Chloromethane	2.06	50	237925	19.054	ug/l	99
4) Vinyl Chloride	2.19	62	239052	18.903	ug/l	100
5) Bromomethane	2.58	94	151906	17.338	ug/l	99
6) Chloroethane	2.71	64	142293	18.999	ug/l	99
7) Trichlorofluoromethane	3.02	101	307479	19.518	ug/l	99
8) Diethyl Ether	3.42	74	123614	20.799	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198585	19.771	ug/l	99
10) Methyl Iodide	3.96	142	249516	17.689	ug/l	100
11) Tert butyl alcohol	4.78	59	79558	126.197	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	189961	19.575	ug/l	98
13) Acrolein	3.61	56	62133	108.694	ug/l	98
14) Allyl chloride	4.33	41	316008	21.023	ug/l	95
15) Acrylonitrile	4.99	53	403174	115.116	ug/l	100
16) Acetone	3.82	43	236742	116.863	ug/l	97
17) Carbon Disulfide	4.06	76	510849	16.142	ug/l	100
18) Methyl Acetate	4.33	43	212418	23.636	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	570178	21.956	ug/l	100
20) Methylene Chloride	4.56	84	218808	19.801	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	201201	19.298	ug/l	98
22) Diisopropyl ether	5.96	45	678784	21.156	ug/l	98
23) Vinyl Acetate	5.90	43	2061967	111.761	ug/l	98
24) 1,1-Dichloroethane	5.85	63	386281	20.261	ug/l	98
25) 2-Butanone	6.84	43	428443	126.020	ug/l	100
26) 2,2-Dichloropropane	6.83	77	287893	19.781	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	235467	19.949	ug/l	99
28) Bromochloromethane	7.20	49	170077	20.587	ug/l	96
29) Tetrahydrofuran	7.21	42	309178	121.762	ug/l	99
30) Chloroform	7.37	83	376707	20.113	ug/l	99
31) Cyclohexane	7.66	56	358597	19.411	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	314214	19.694	ug/l	100
36) 1,1-Dichloropropene	7.80	75	285826	19.177	ug/l	99
37) Ethyl Acetate	6.93	43	203733	24.485	ug/l	99
38) Carbon Tetrachloride	7.78	117	260434	19.063	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	339105	18.729	ug/l	99
40) Benzene	8.04	78	890545	20.087	ug/l	99
41) Methacrylonitrile	7.18	41	104119	21.657	ug/l	97
42) 1,2-Dichloroethane	8.13	62	269686	20.591	ug/l	98
43) Isopropyl Acetate	8.17	43	373120	22.600	ug/l	99
44) Trichloroethene	8.84	130	242069	18.878	ug/l	96
45) 1,2-Dichloropropane	9.12	63	237299	20.549	ug/l	99
46) Dibromomethane	9.21	93	140528	20.890	ug/l	99
47) Bromodichloromethane	9.40	83	282856	19.781	ug/l	99
48) Methyl methacrylate	9.20	41	178466	22.104	ug/l	98
49) 1,4-Dioxane	9.20	88	46134	451.705	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	987893	122.600	ug/l	100
52) Toluene	10.16	92	551828	20.081	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	292696	19.466	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	342317	19.834	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	203970	21.276	ug/l	99
56) Ethyl methacrylate	10.43	69	279034	21.990	ug/l	97
57) 1,3-Dichloropropane	10.71	76	348250	21.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	786316	112.876	ug/l	99
59) 2-Hexanone	10.75	43	679472	124.633	ug/l	99
60) Dibromochloromethane	10.90	129	216392	19.719	ug/l	100
61) 1,2-Dibromoethane	11.01	107	204283	20.982	ug/l	100
64) Tetrachloroethene	10.63	164	259465	17.321	ug/l	98
65) Chlorobenzene	11.44	112	614291	20.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	211586	19.849	ug/l	99
67) Ethyl Benzene	11.51	91	1059252	20.093	ug/l	100
68) m/p-Xylenes	11.62	106	851723	42.499	ug/l	99
69) o-Xylene	11.95	106	392870	20.429	ug/l	99
70) Styrene	11.97	104	639953	20.408	ug/l	99
71) Bromoform	12.13	173	152275	19.773	ug/l #	99
73) Isopropylbenzene	12.25	105	1038873	20.154	ug/l	99
74) N-amyl acetate	12.07	43	323290	22.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	247877	24.512	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	322248	29.057	ug/l #	100
77) Bromobenzene	12.53	156	324297	24.203	ug/l	80
78) n-propylbenzene	12.59	91	1174172	20.001	ug/l	100
79) 2-Chlorotoluene	12.68	91	697414	19.166	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	837111	19.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	67398	19.588	ug/l	97
82) 4-Chlorotoluene	12.77	91	706564	19.835	ug/l	99
83) tert-Butylbenzene	12.99	119	727143	19.569	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	854535	20.232	ug/l	99
85) sec-Butylbenzene	13.17	105	973240	19.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	844810	19.453	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	467286	19.705	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	469122	19.534	ug/l	99
89) n-Butylbenzene	13.62	91	678087	18.149	ug/l	99
90) Hexachloroethane	13.88	117	122634	18.401	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	449676	20.148	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38603	22.078	ug/l	98

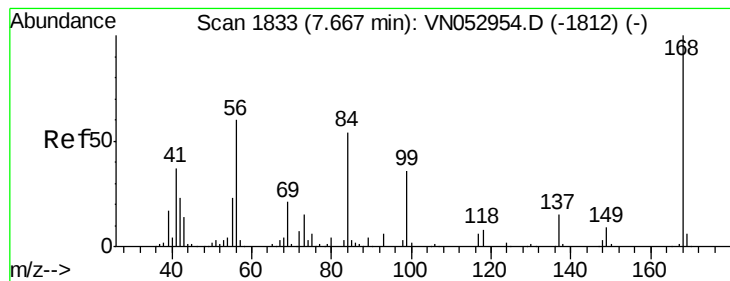
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122118\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220834	19.049	ug/l	100
94) Hexachlorobutadiene	15.01	225	136426	20.594	ug/l	98
95) Naphthalene	15.13	128	534222	21.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	206597	19.713	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: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

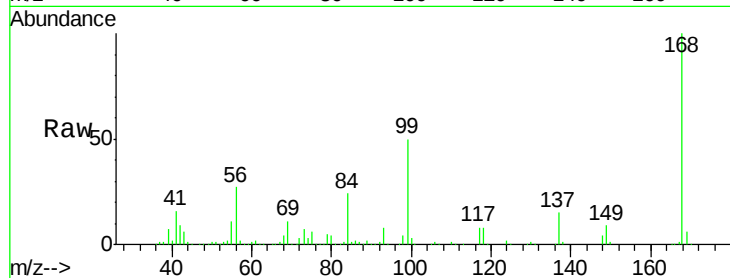
VN1221MBS02

Tgt Ion:168 Resp: 1018135

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

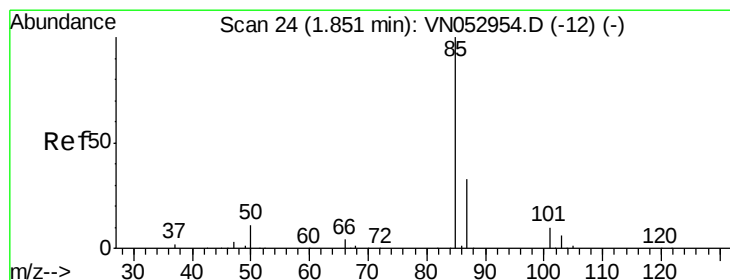
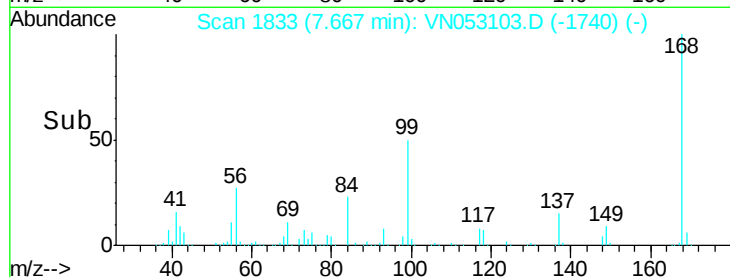
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.646 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053103.D

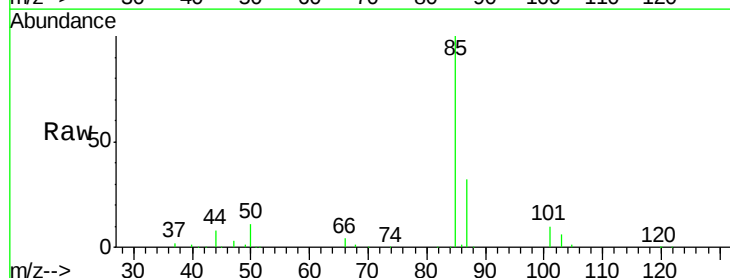
Acq: 21 Dec 2018 15:45

Tgt Ion: 85 Resp: 192131

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

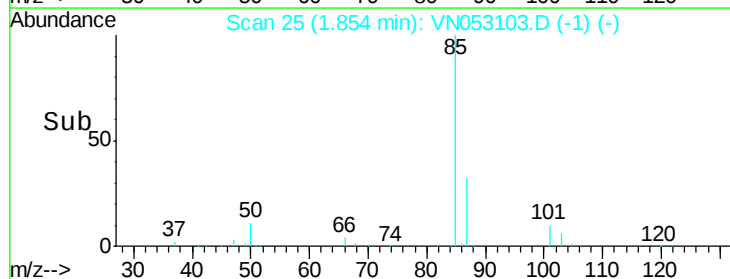
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.054 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

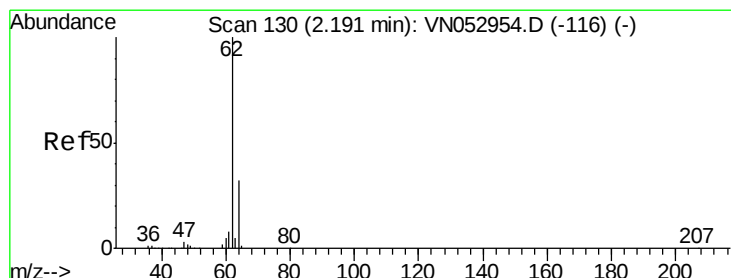
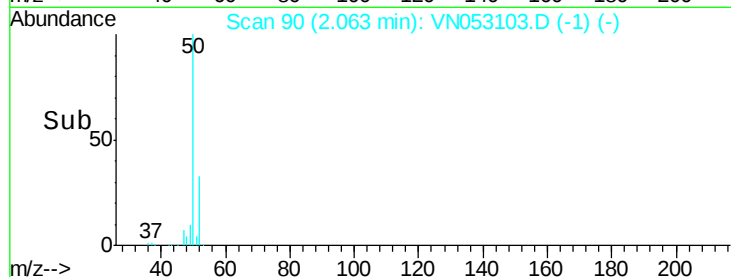
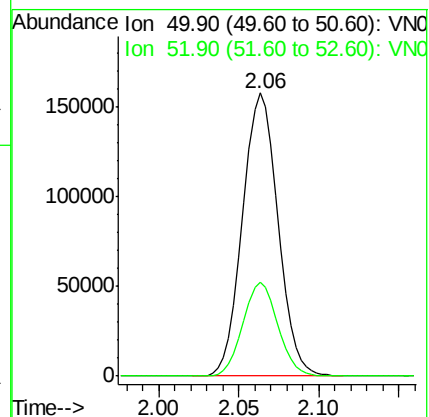
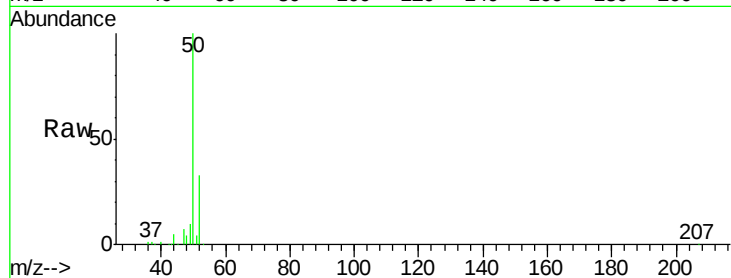
VN1221MBS02

Tgt Ion: 50 Resp: 237925

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 18.903 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053103.D

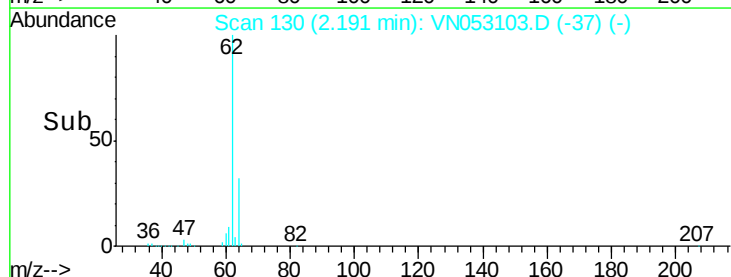
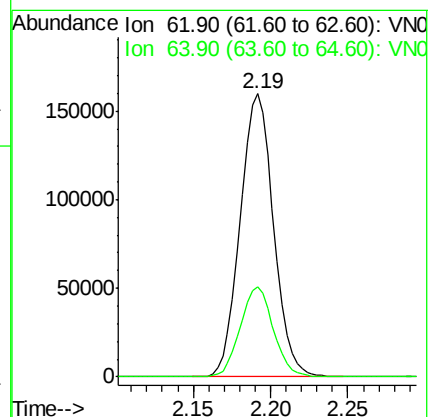
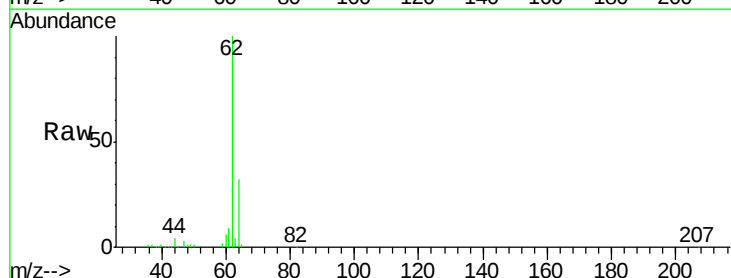
Acq: 21 Dec 2018 15:45

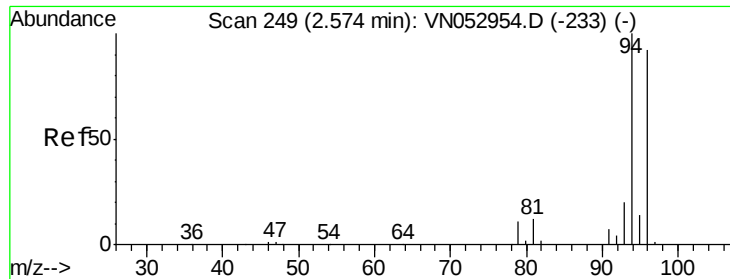
Tgt Ion: 62 Resp: 239052

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 17.338 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

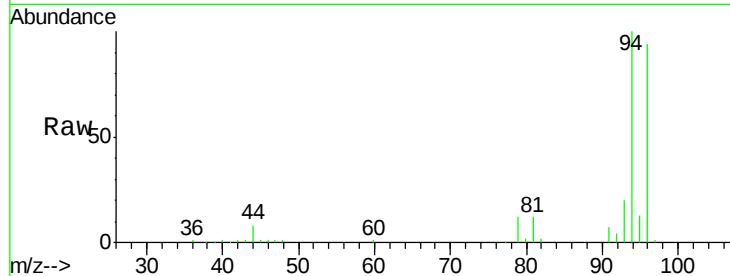
VN1221MBS02

Tgt Ion: 94 Resp: 151906

Ion Ratio Lower Upper

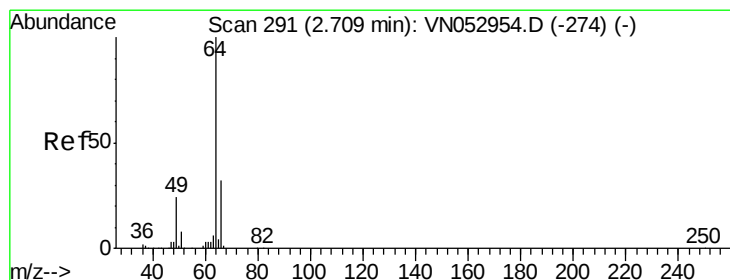
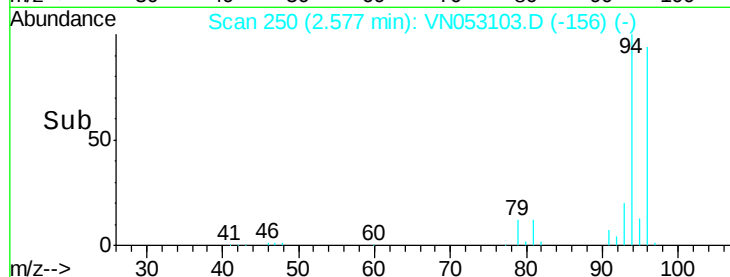
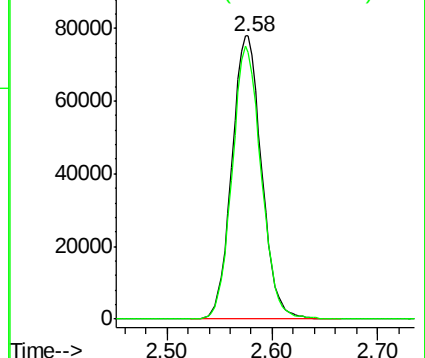
94 100

96 94.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.999 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053103.D

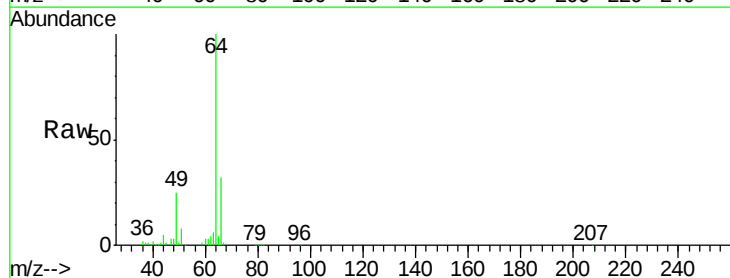
Acq: 21 Dec 2018 15:45

Tgt Ion: 64 Resp: 142293

Ion Ratio Lower Upper

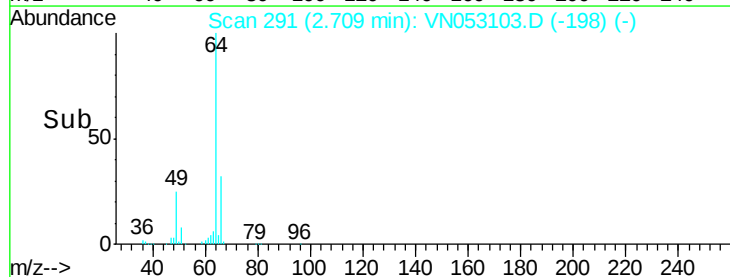
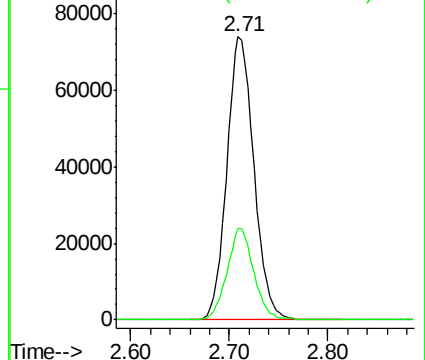
64 100

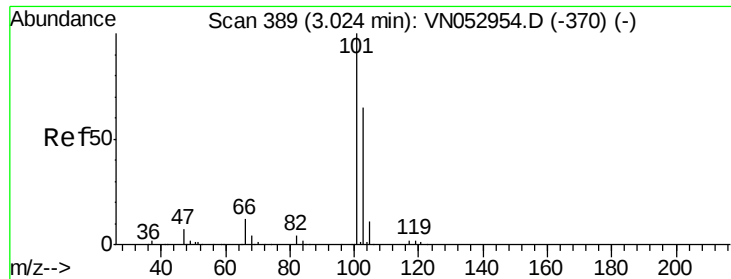
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



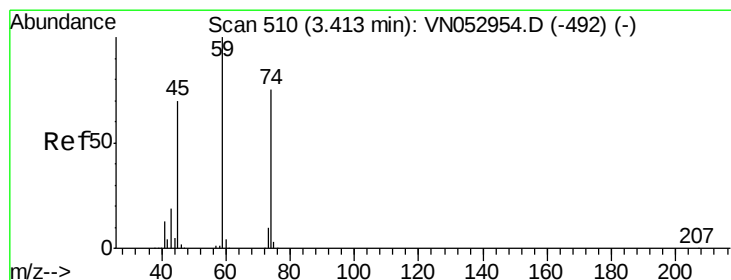
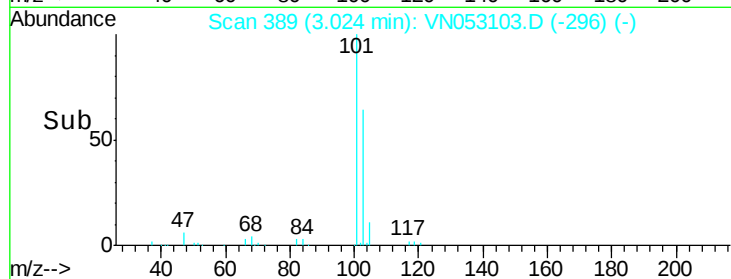
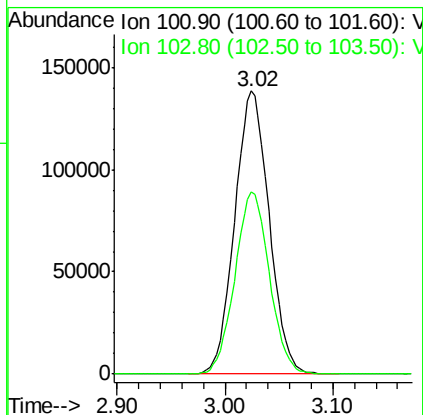
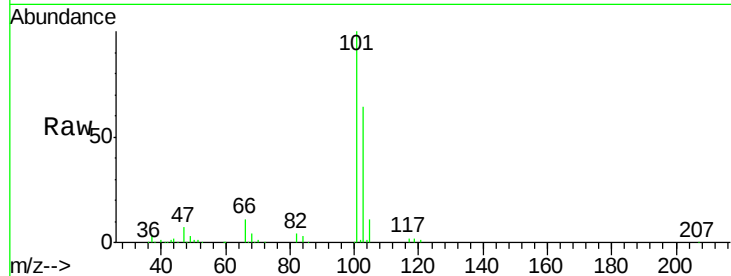


#7

Trichlorofluoromethane
 Concen: 19.518 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

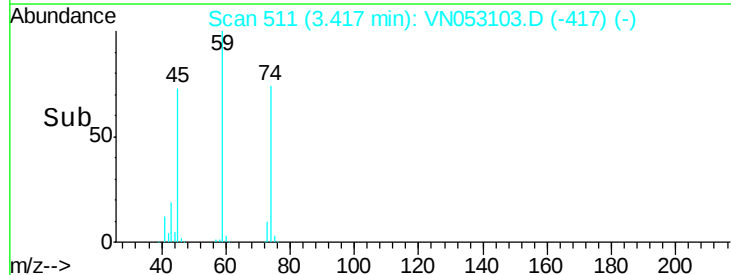
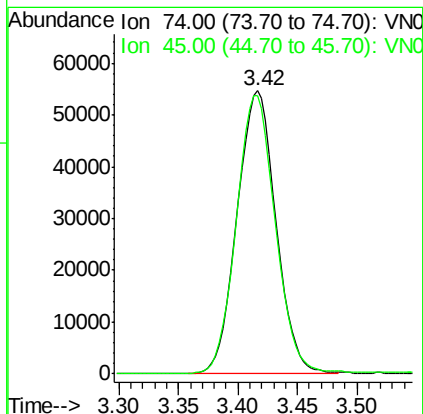
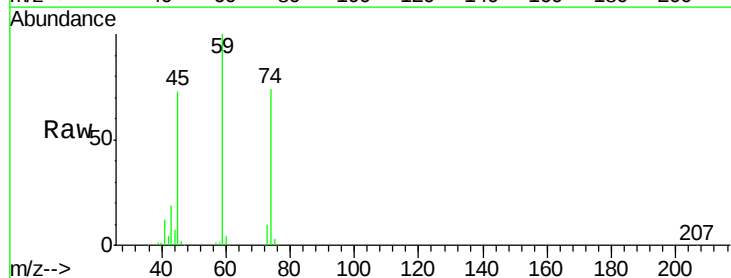
Tgt Ion:101 Resp: 307479
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

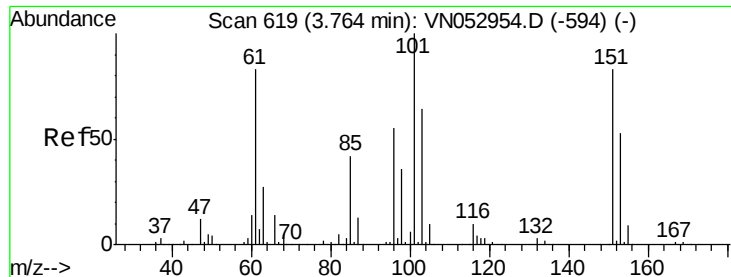


#8

Diethyl Ether
 Concen: 20.799 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 74 Resp: 123614
 Ion Ratio Lower Upper
 74 100
 45 98.7 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.771 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

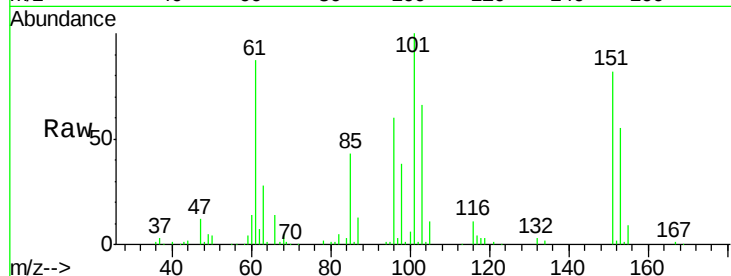
Tgt Ion:101 Resp: 198585

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

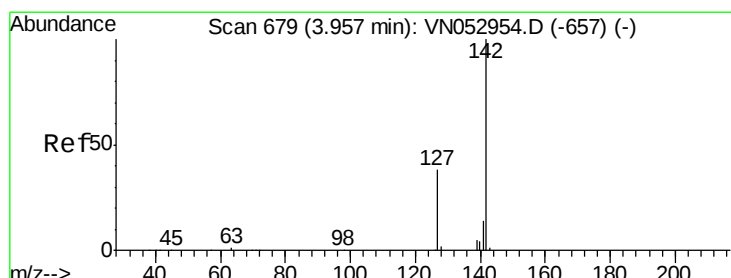
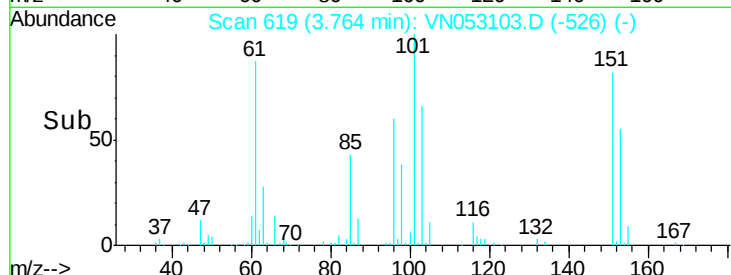
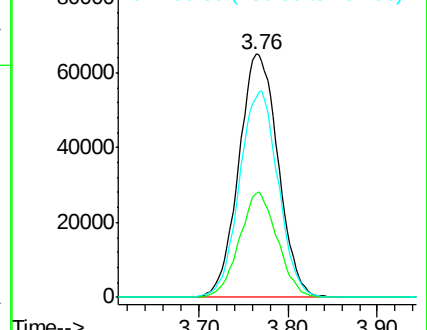
151 83.6 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN053103.D (-526) (-)

Ion 150.80 (150.50 to 151.50): VN053103.D (-526) (-)



#10

Methyl Iodide

Concen: 17.689 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

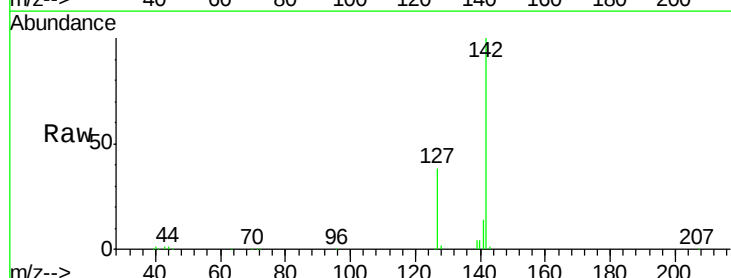
Tgt Ion:142 Resp: 249516

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.6

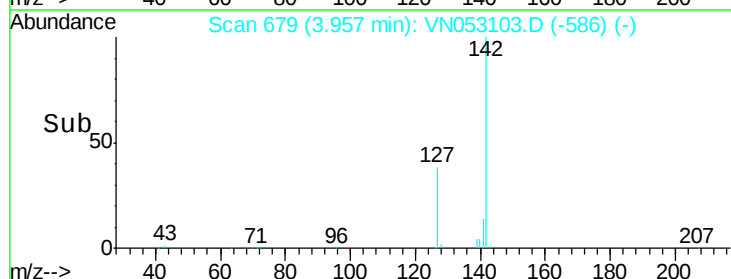
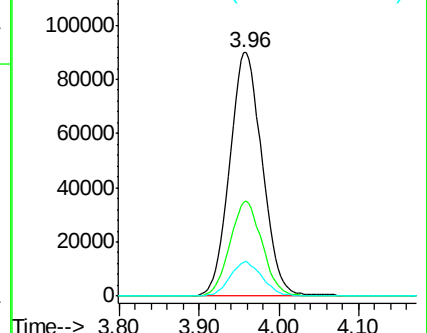
141 14.0 11.2 16.8

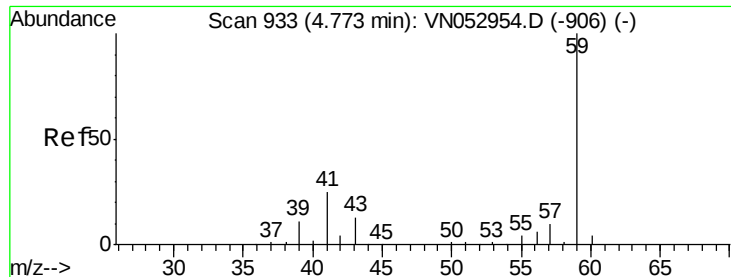


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN053103.D (-586) (-)

Ion 140.80 (140.50 to 141.50): VN053103.D (-586) (-)

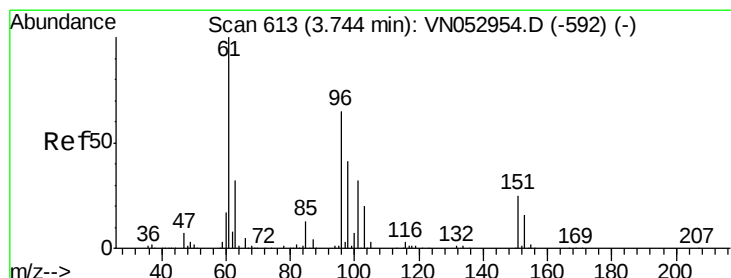
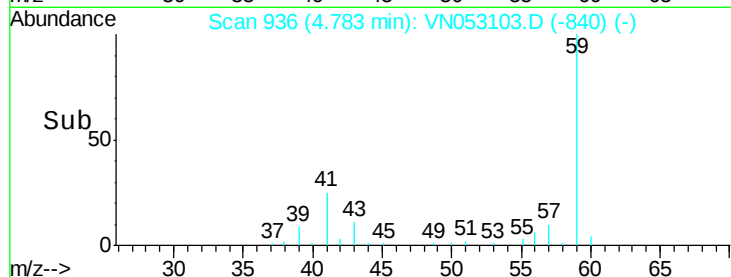
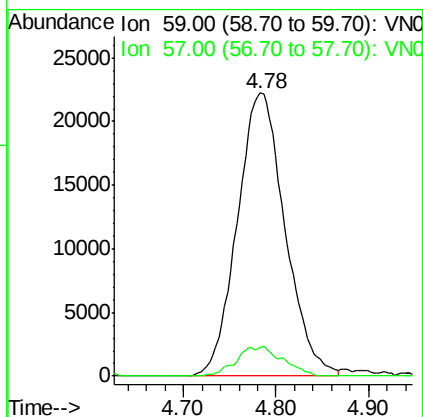
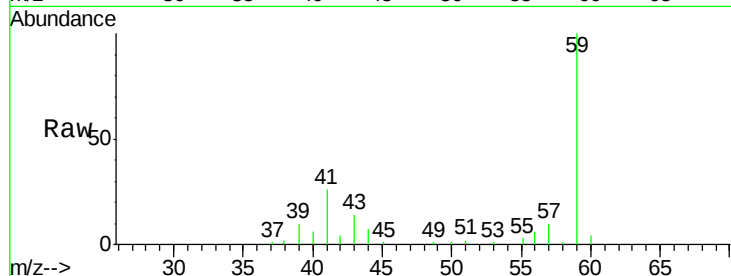




#11
Tert butyl alcohol
Concen: 126.197 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

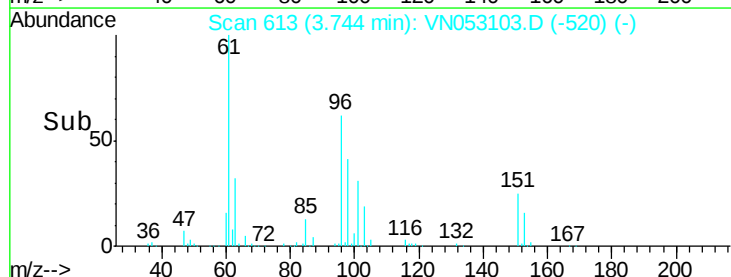
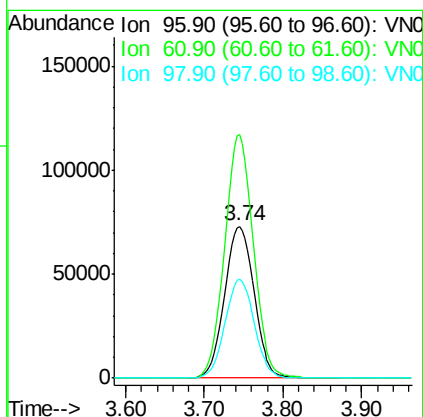
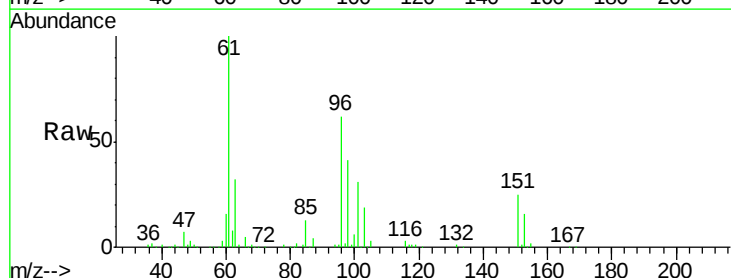
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

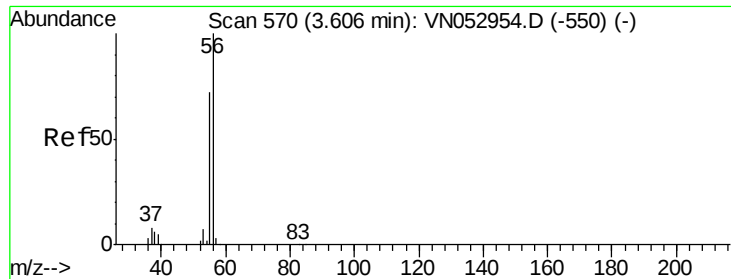
Tgt Ion: 59 Resp: 79558
Ion Ratio Lower Upper
59 100
57 4.4 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 19.575 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 96 Resp: 189961
Ion Ratio Lower Upper
96 100
61 160.3 125.6 188.4
98 65.0 50.6 75.8





#13

Acrolein

Concen: 108.694 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

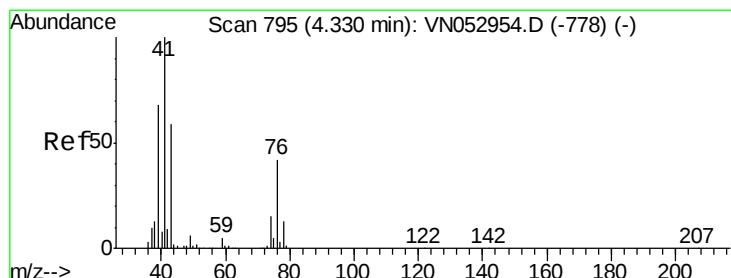
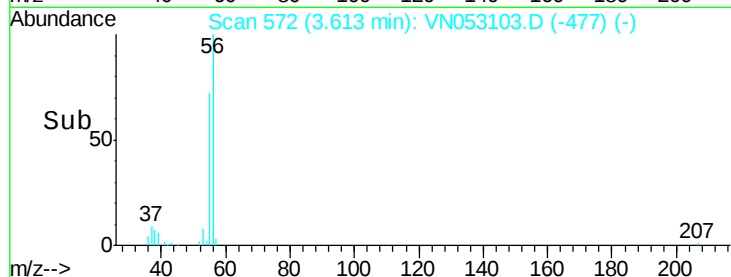
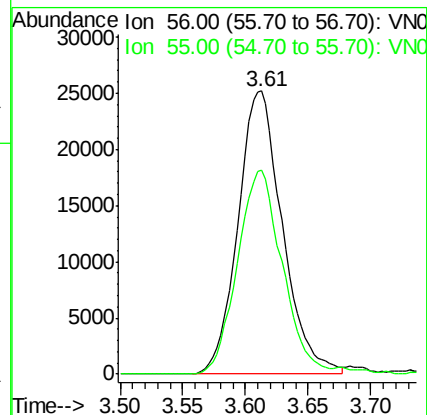
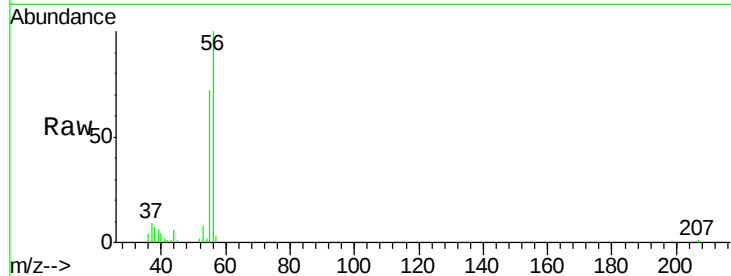
VN1221MBS02

Tgt Ion: 56 Resp: 62133

Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0



#14

Allyl chloride

Concen: 21.023 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

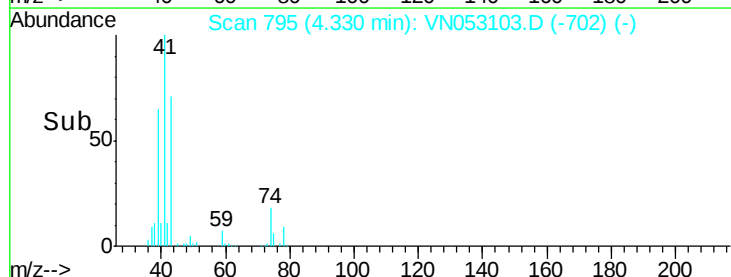
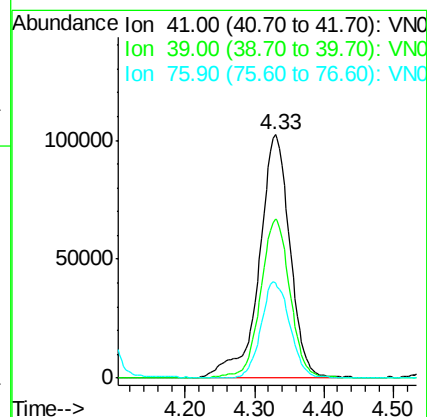
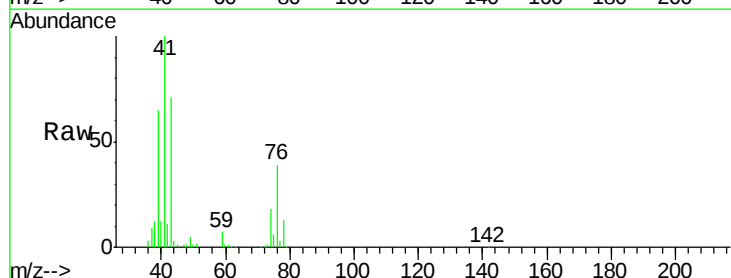
Tgt Ion: 41 Resp: 316008

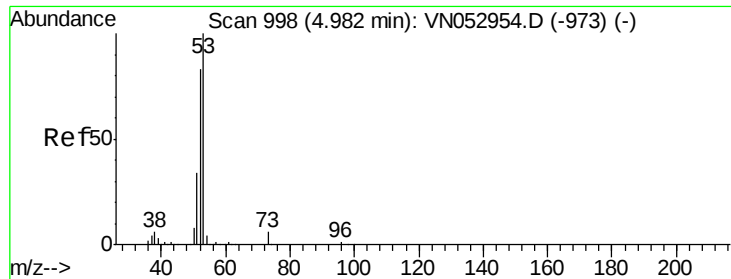
Ion Ratio Lower Upper

41 100

39 62.2 54.1 81.1

76 36.1 30.3 45.5





#15

Acrylonitrile

Concen: 115.116 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

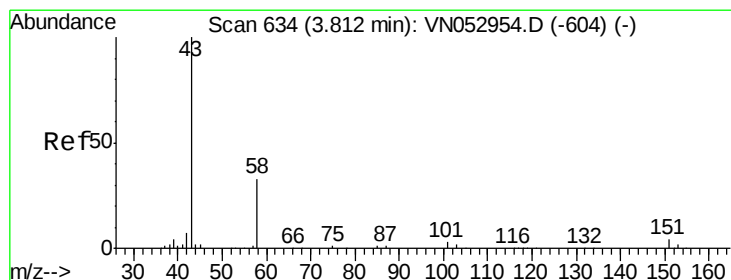
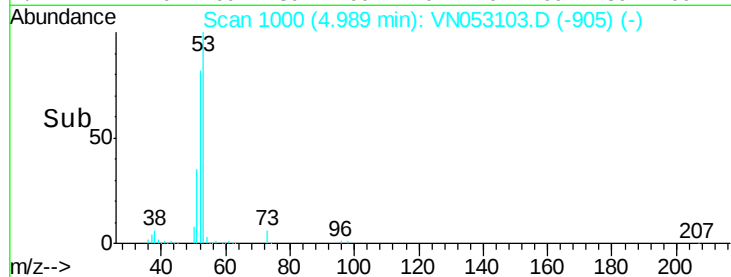
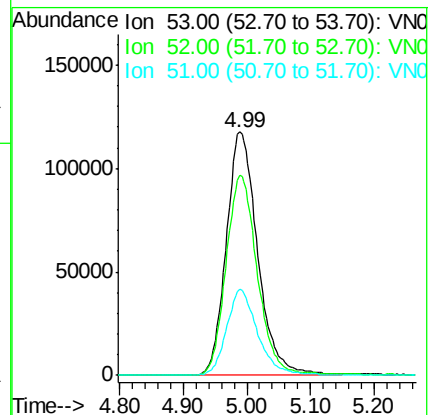
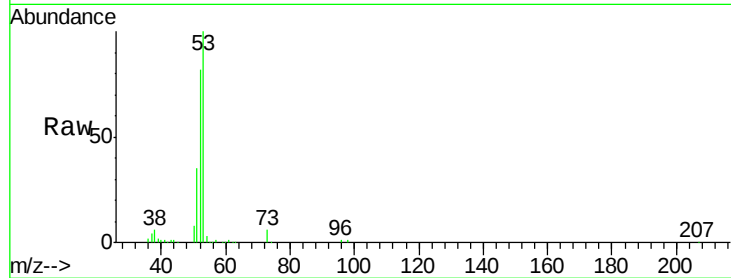
Tgt Ion: 53 Resp: 403174

Ion Ratio Lower Upper

53 100

52 81.3 65.1 97.7

51 35.2 28.1 42.1



#16

Acetone

Concen: 116.863 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053103.D

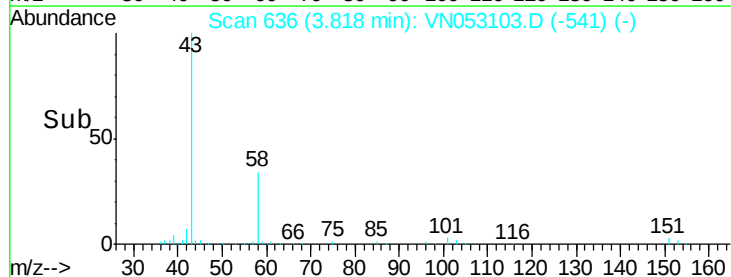
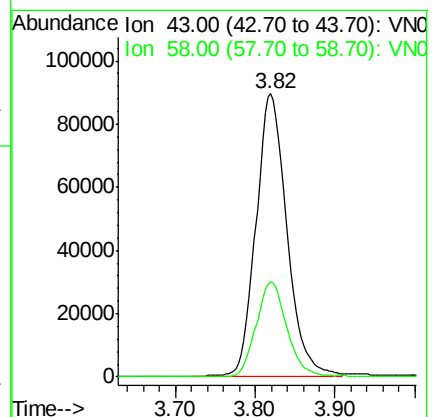
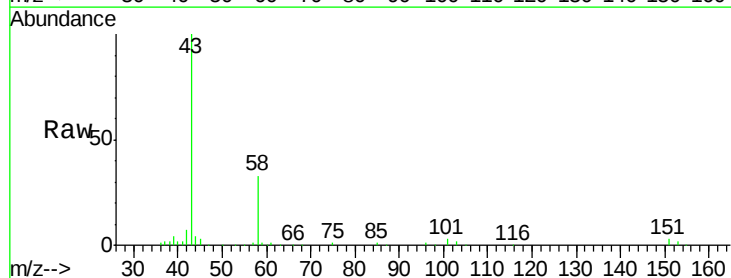
Acq: 21 Dec 2018 15:45

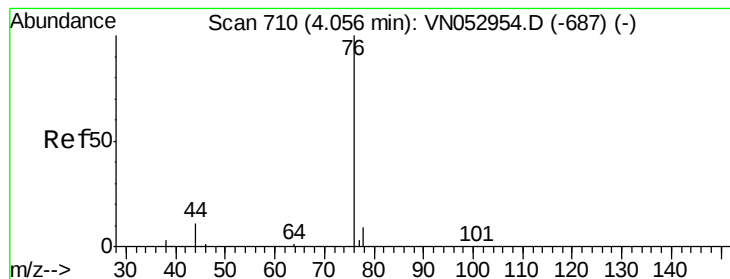
Tgt Ion: 43 Resp: 236742

Ion Ratio Lower Upper

43 100

58 33.6 25.4 38.0





#17

Carbon Disulfide

Concen: 16.142 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

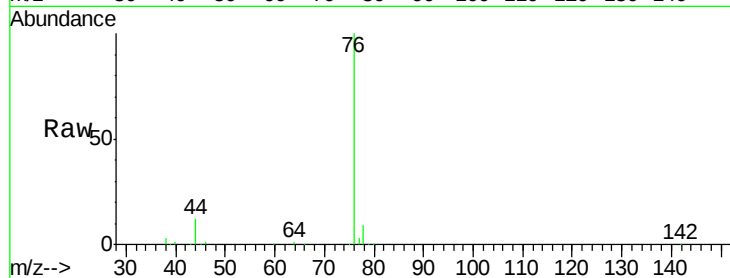
VN1221MBS02

Tgt Ion: 76 Resp: 510849

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

200000

150000

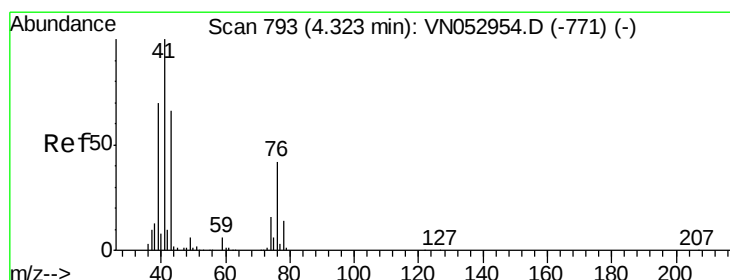
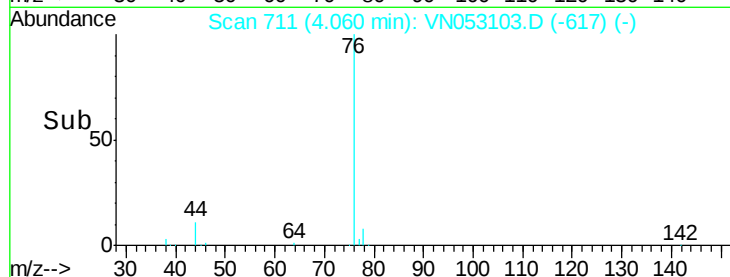
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 23.636 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053103.D

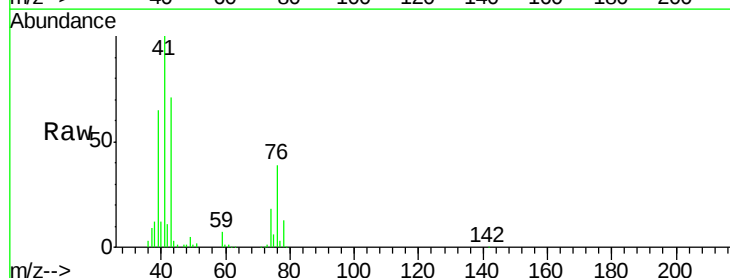
Acq: 21 Dec 2018 15:45

Tgt Ion: 43 Resp: 212418

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

80000

60000

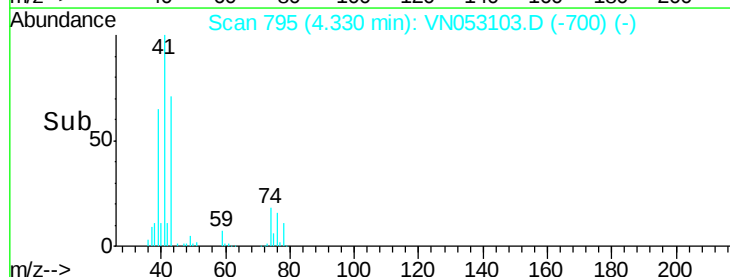
40000

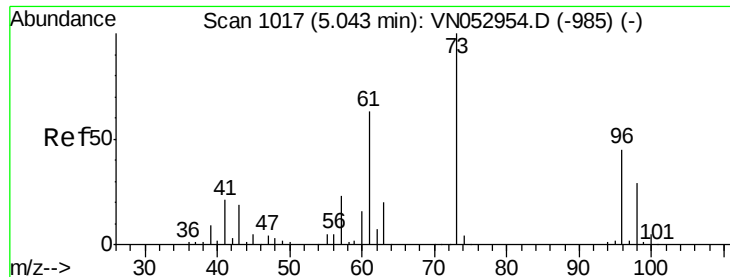
20000

0

Time-->

4.20 4.30 4.40

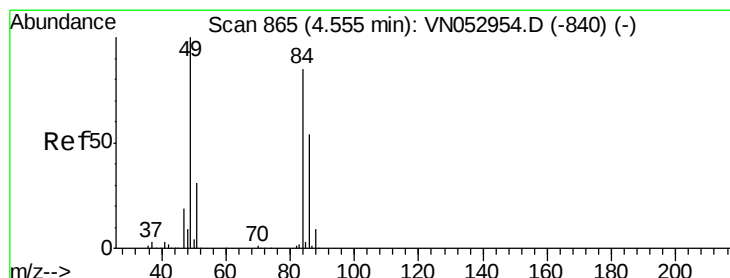
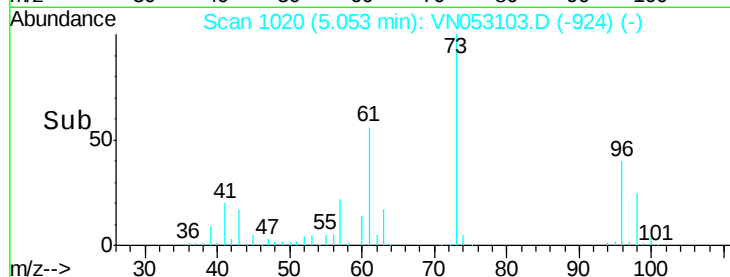
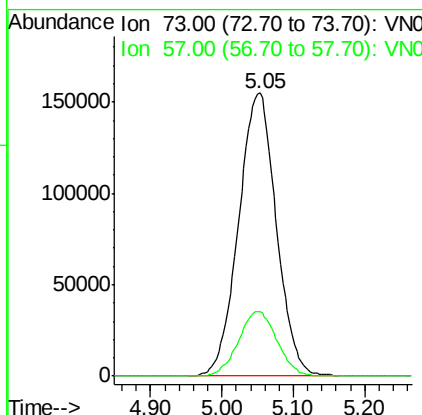
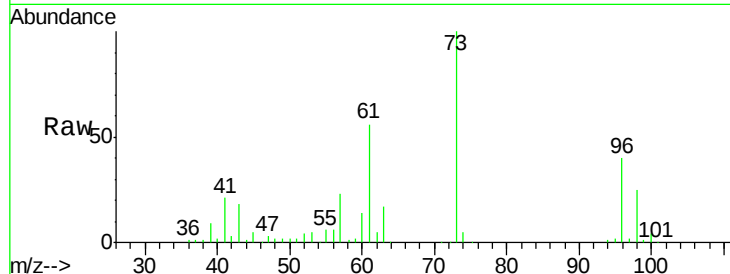




#19
Methyl tert-butyl Ether
Concen: 21.956 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

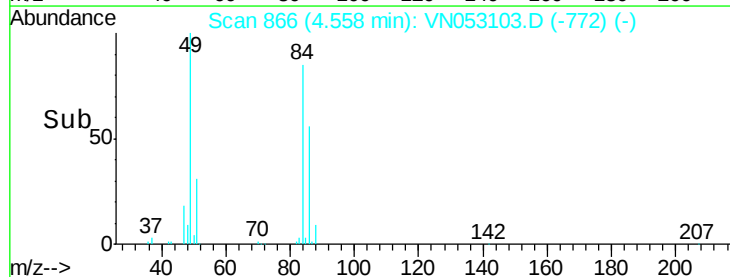
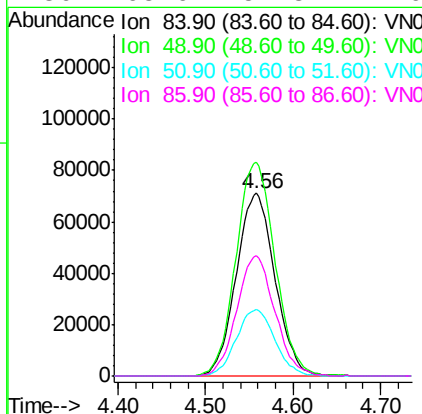
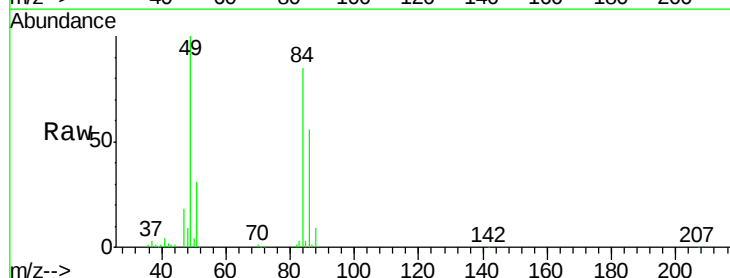
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

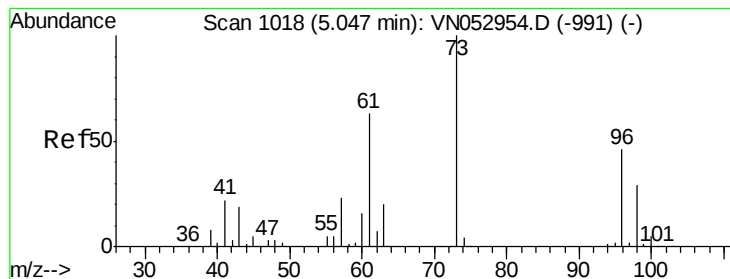
Tgt Ion: 73 Resp: 570178
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 19.801 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 84 Resp: 218808
Ion Ratio Lower Upper
84 100
49 117.0 96.8 145.2
51 36.3 29.9 44.9
86 65.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.298 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

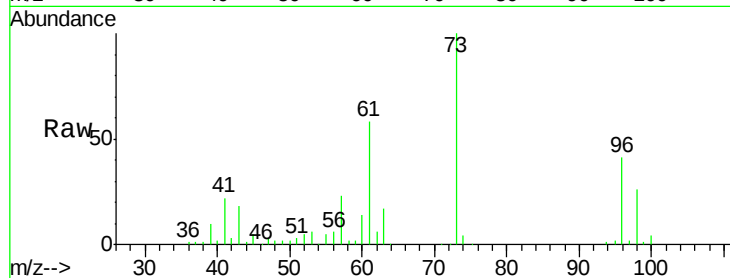
Tgt Ion: 96 Resp: 201201

Ion Ratio Lower Upper

96 100

61 141.9 110.8 166.2

98 63.6 51.4 77.2

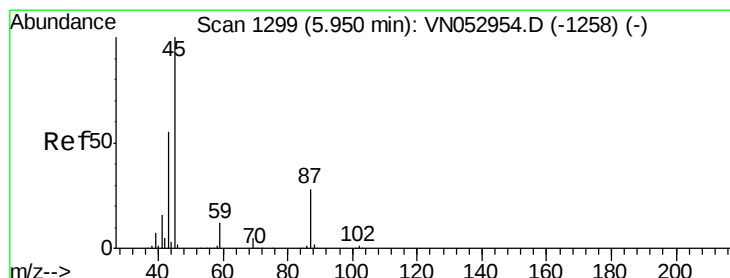
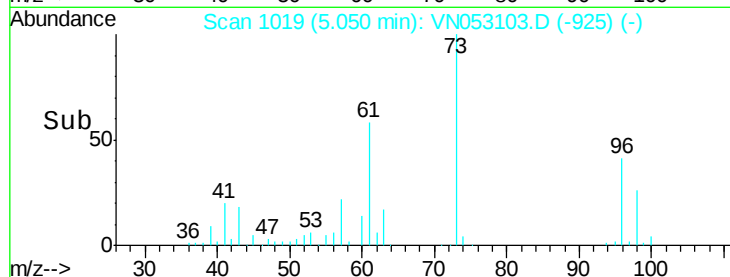
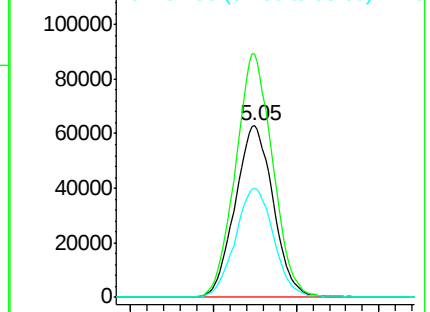


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.156 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion: 45 Resp: 678784

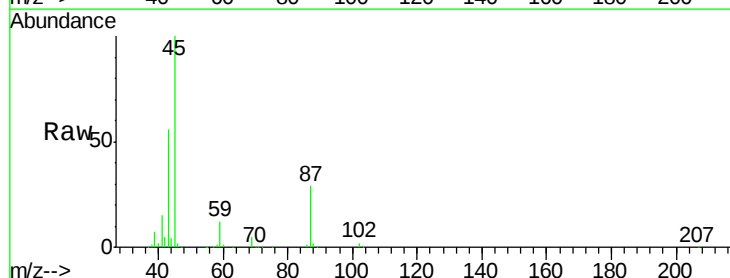
Ion Ratio Lower Upper

45 100

43 55.3 45.5 68.3

87 28.5 22.0 33.0

59 12.0 9.4 14.0



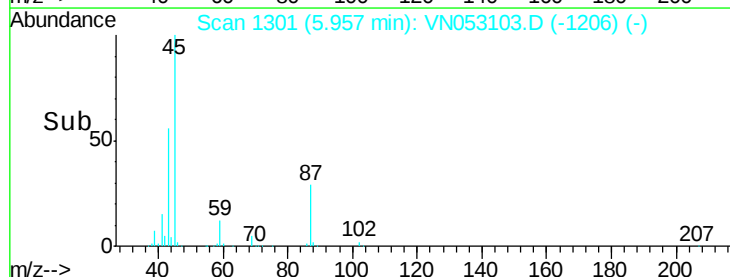
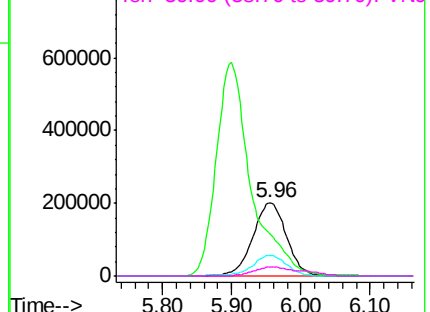
Abundance

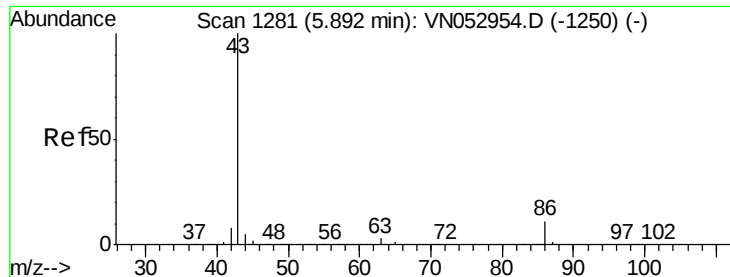
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 111.761 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

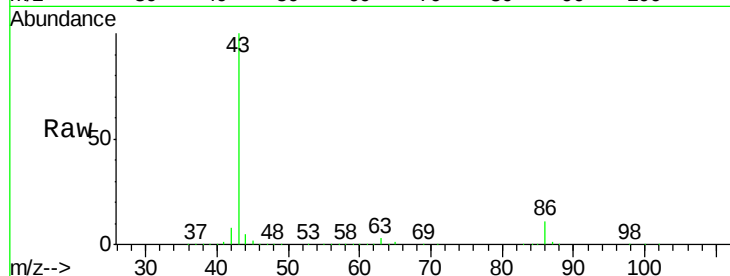
VN1221MBS02

Tgt Ion: 43 Resp: 2061967

Ion Ratio Lower Upper

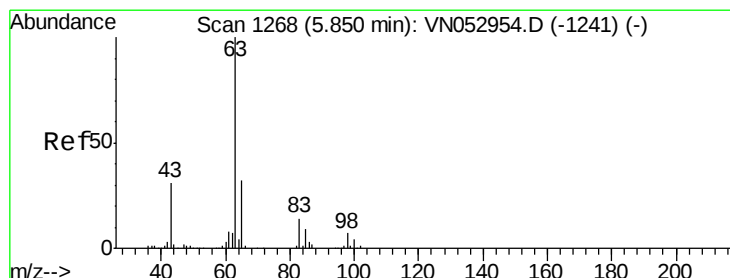
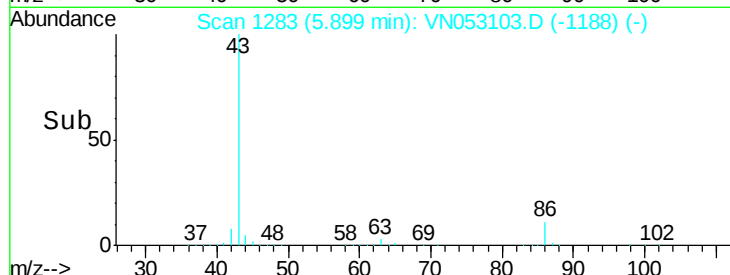
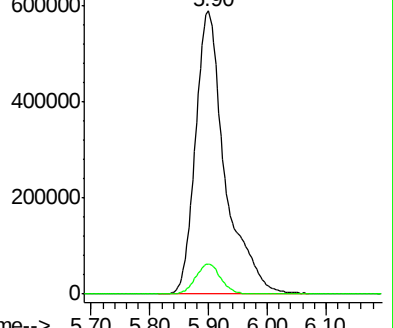
43 100

86 10.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053103.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053103.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 20.261 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

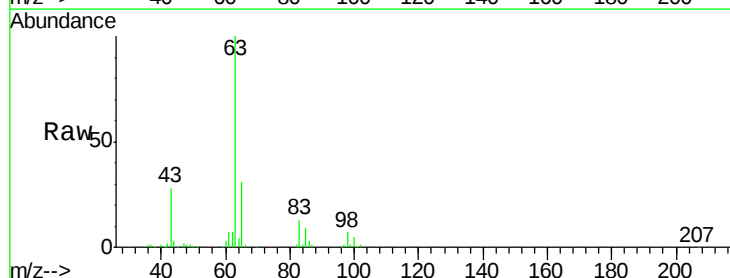
Tgt Ion: 63 Resp: 386281

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

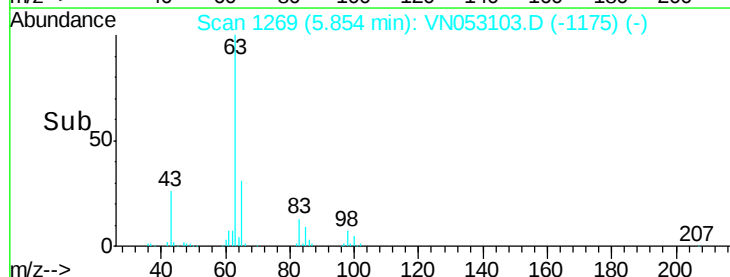
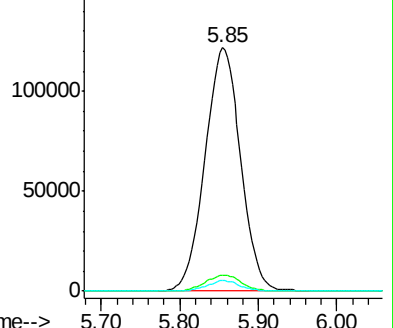
100 4.6 2.0 5.8

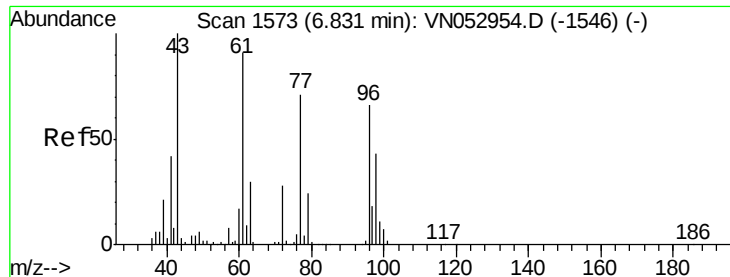


Abundance Ion 62.90 (62.60 to 63.60): VN053103.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053103.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053103.D (-1175) (-)

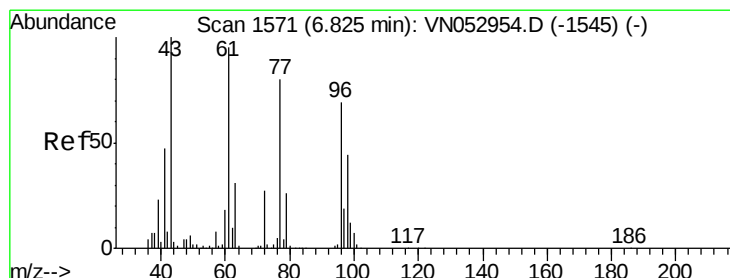
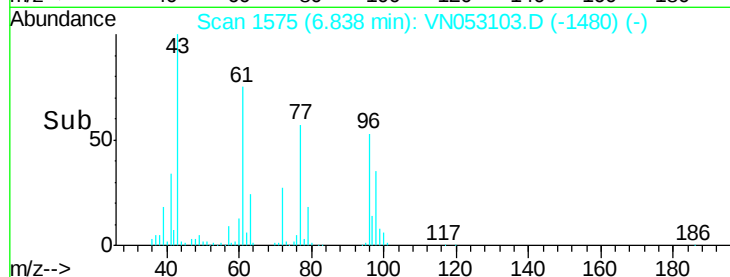
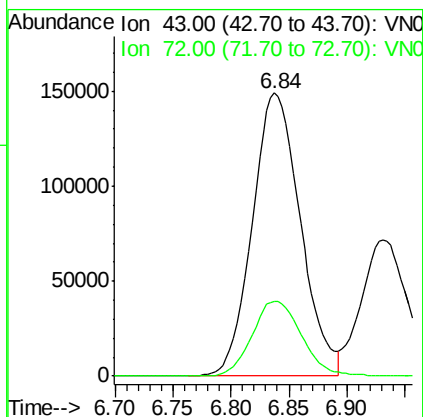
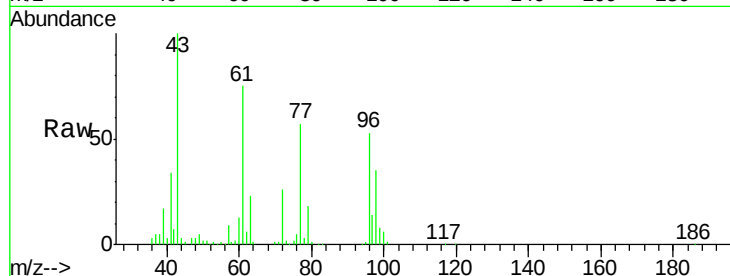




#25
2-Butanone
Concen: 126.020 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

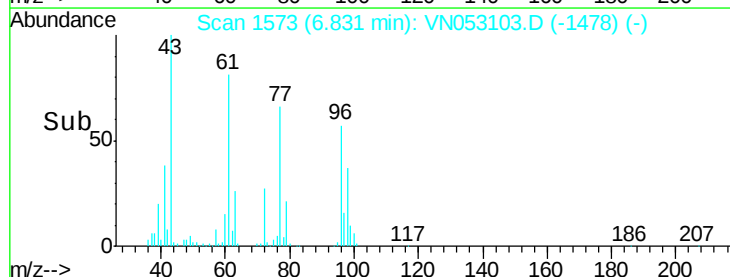
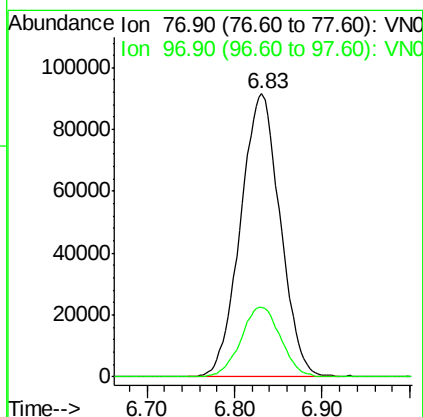
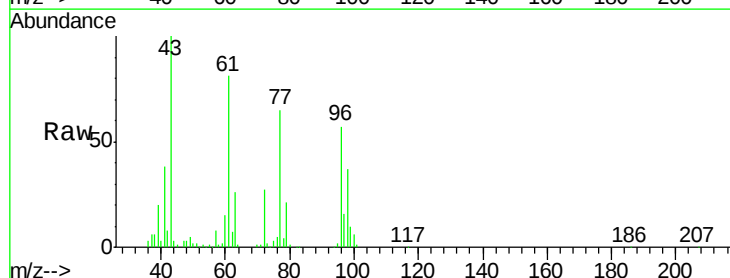
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

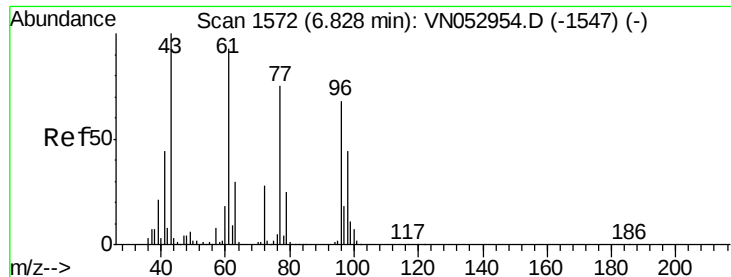
Tgt Ion: 43 Resp: 428443
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 19.781 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 77 Resp: 287893
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.949 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

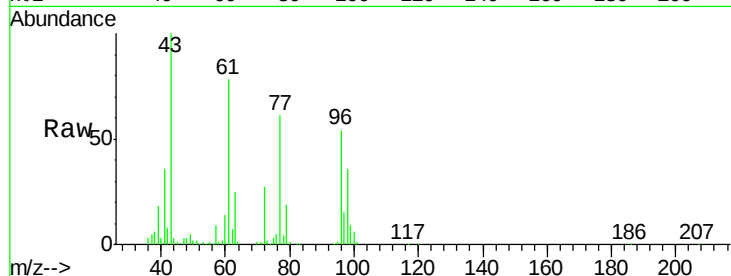
Tgt Ion: 96 Resp: 235467

Ion Ratio Lower Upper

96 100

61 142.5 0.0 284.2

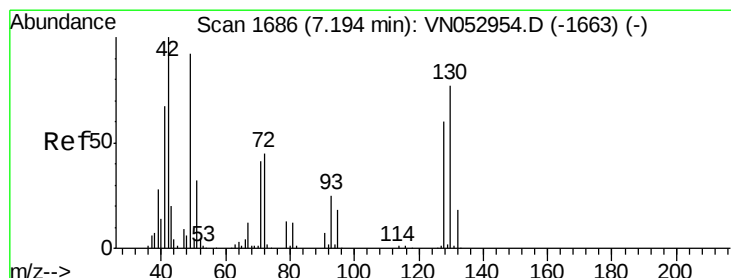
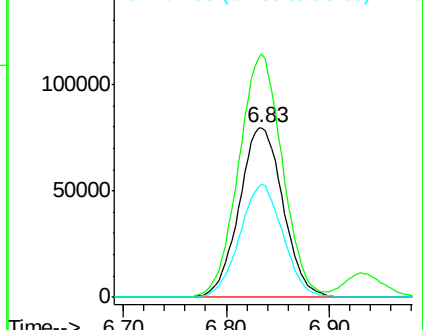
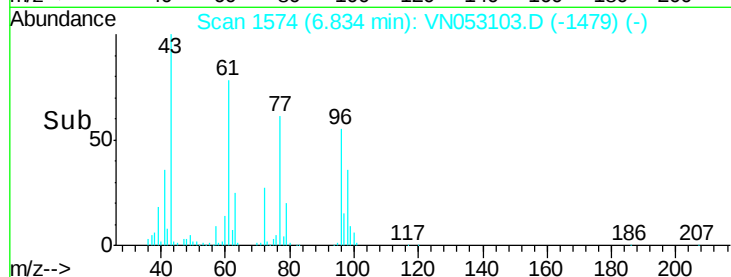
98 65.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053103.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053103.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053103.D (-1479) (-)



#28

Bromochloromethane

Concen: 20.587 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

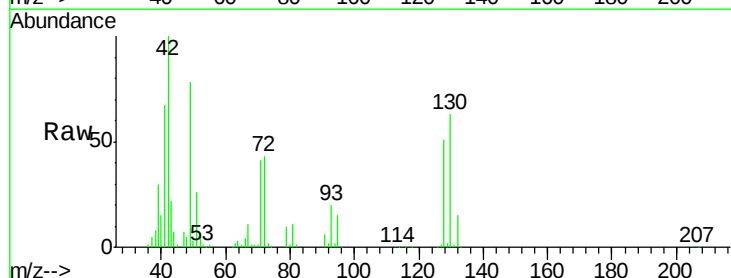
Tgt Ion: 49 Resp: 170077

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

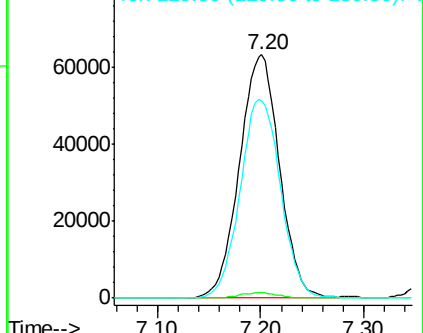
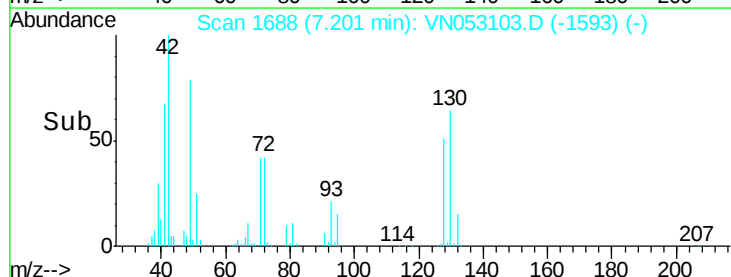
130 82.7 63.3 94.9

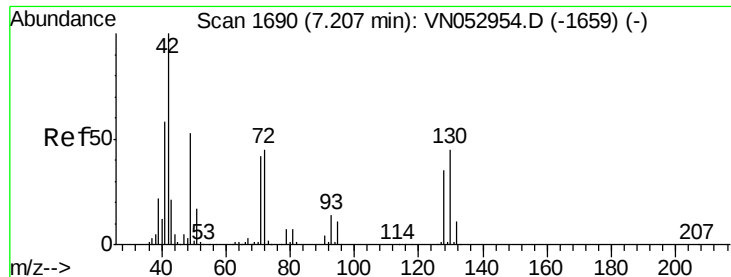


Abundance Ion 48.90 (48.60 to 49.60): VN053103.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053103.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053103.D (-1593) (-)

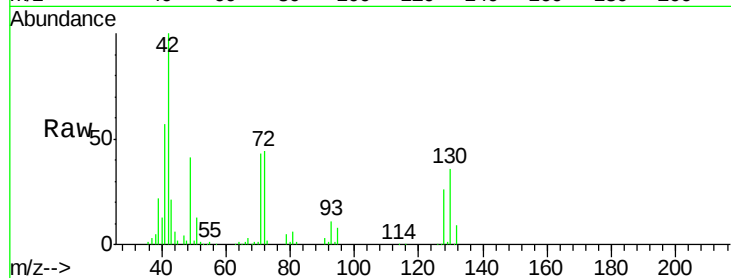




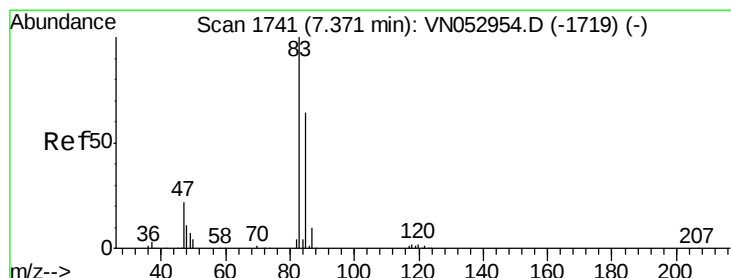
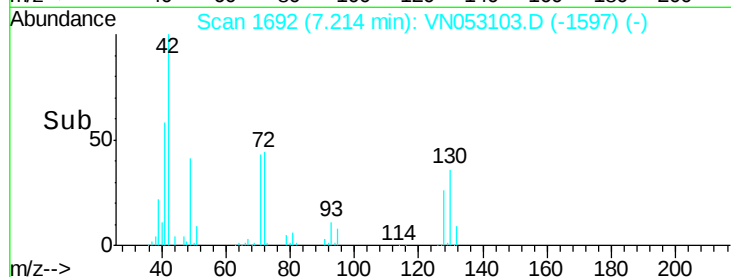
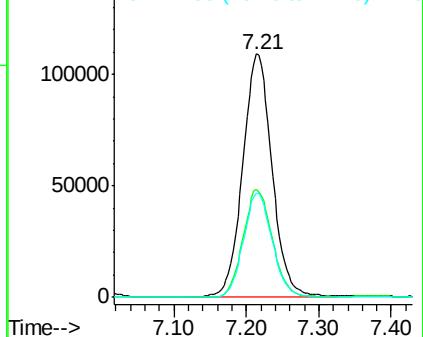
#29
Tetrahydrofuran
Concen: 121.762 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 42 Resp: 309178
Ion Ratio Lower Upper
42 100
72 43.9 34.7 52.1
71 41.6 32.3 48.5

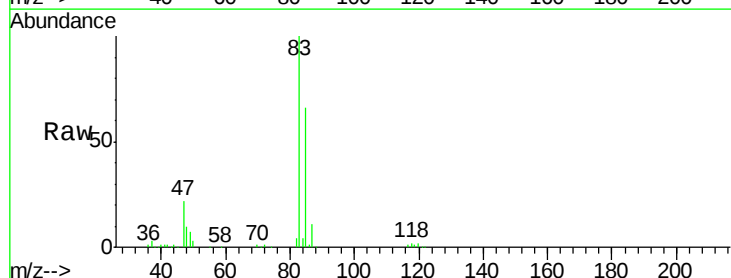


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

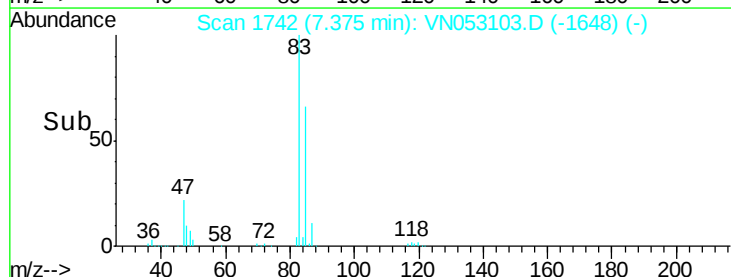
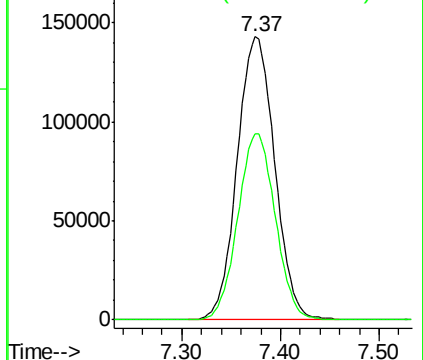


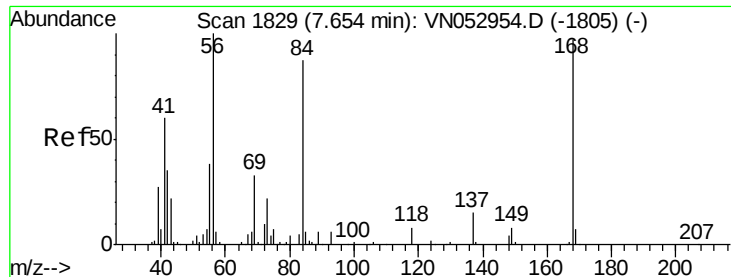
#30
Chloroform
Concen: 20.113 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 83 Resp: 376707
Ion Ratio Lower Upper
83 100
85 65.9 52.1 78.1



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

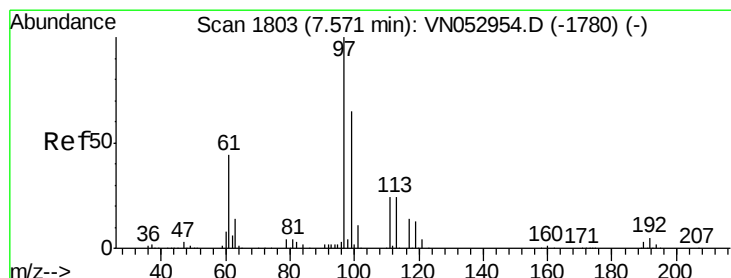
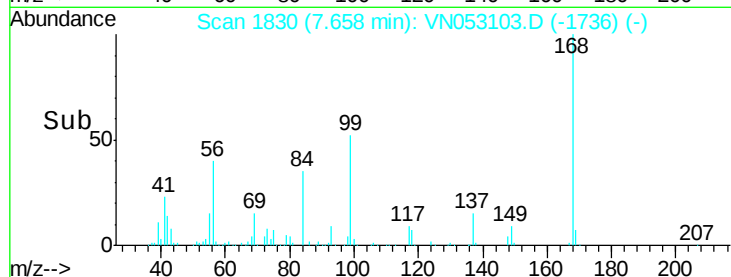
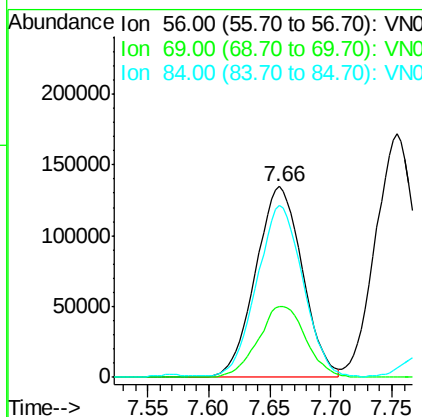
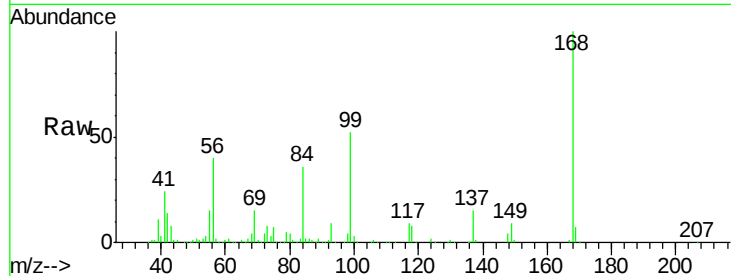




#31
Cyclohexane
Concen: 19.411 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

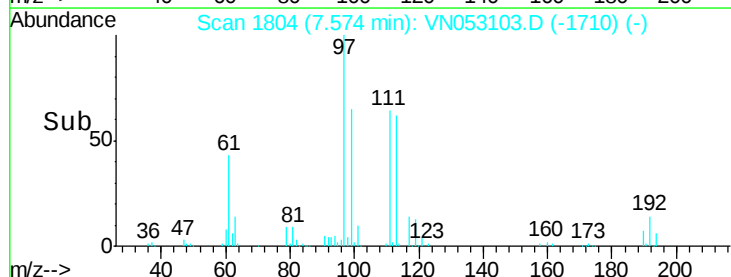
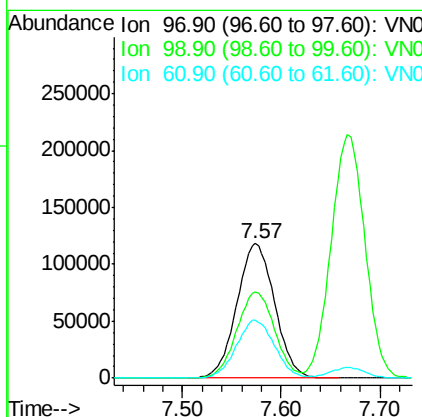
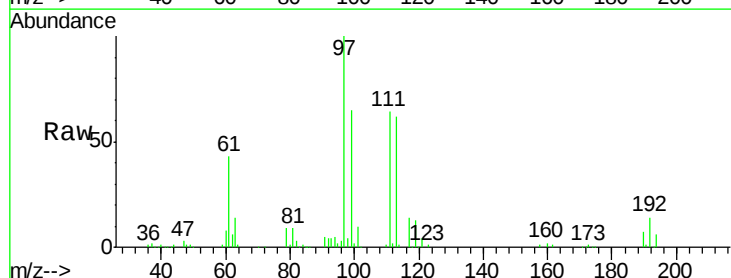
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 56 Resp: 358597
Ion Ratio Lower Upper
56 100
69 37.3 26.6 39.8
84 88.9 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 19.694 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 97 Resp: 314214
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 43.3 35.0 52.6

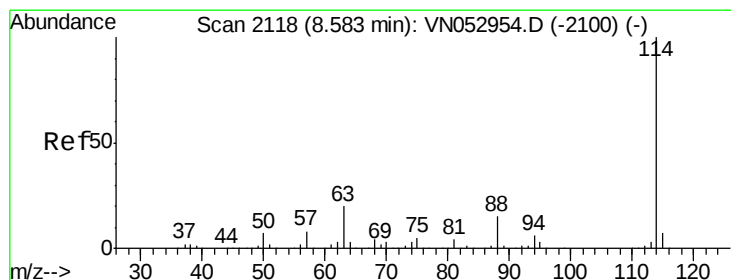
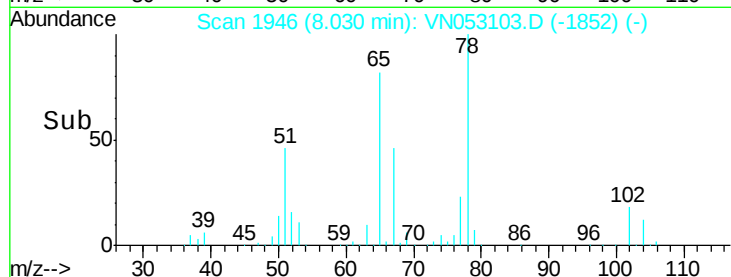
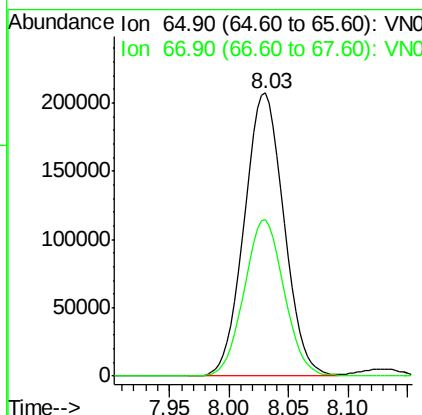
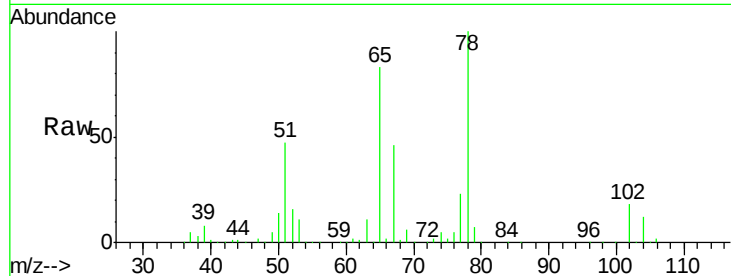




#33
 1,2-Dichloroethane-d4
 Concen: 19.694 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

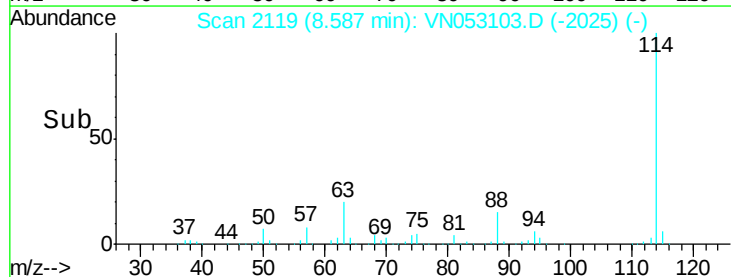
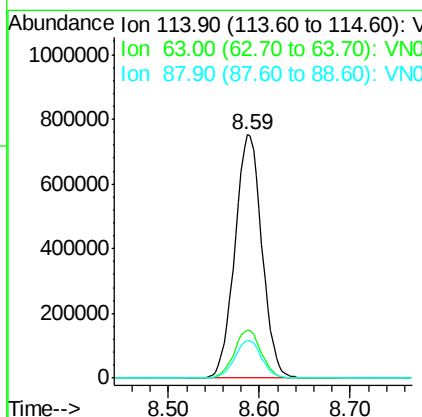
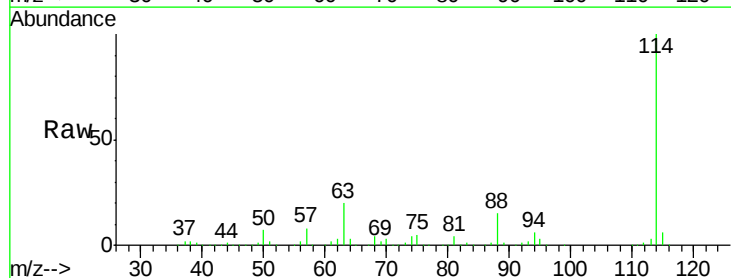
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

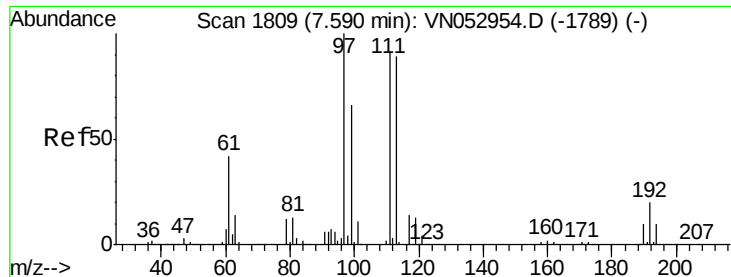
Tgt Ion: 65 Resp: 480251
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 114 Resp: 1552861
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.5 0.0 31.0

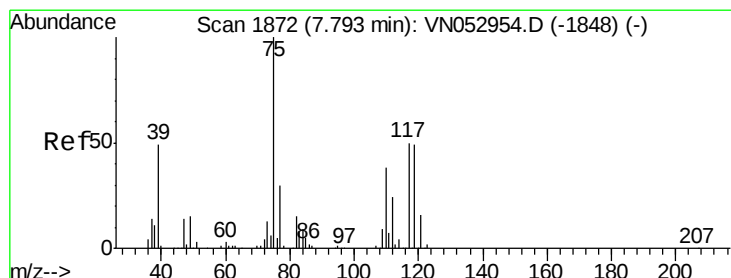
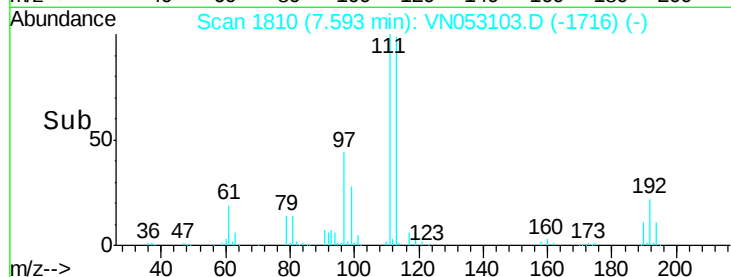
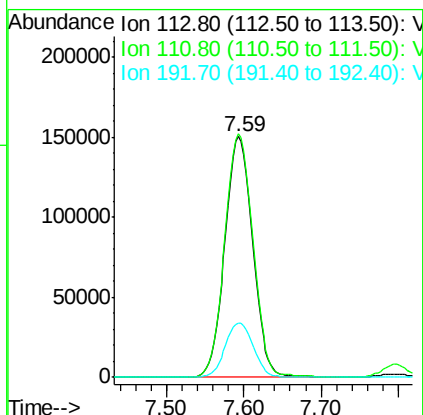
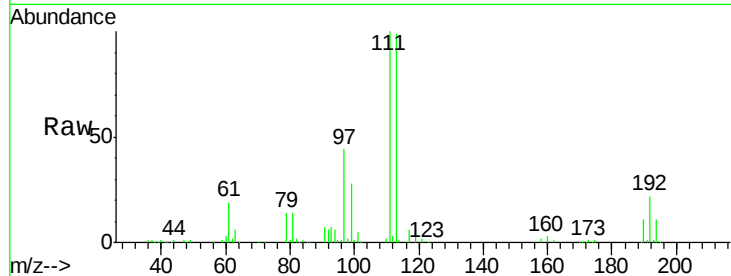




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

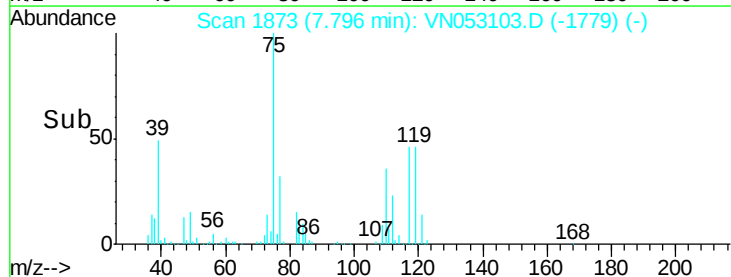
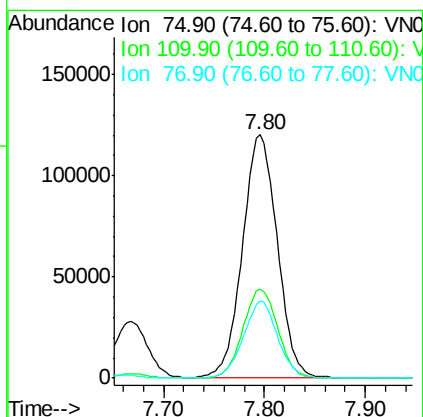
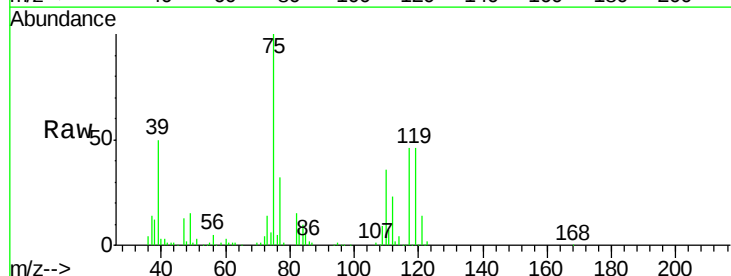
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

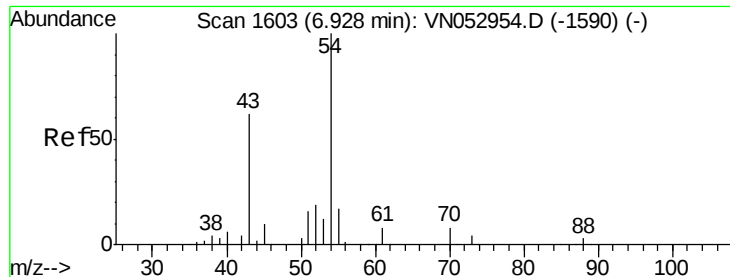
Tgt Ion: 113 Resp: 377111
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.4
 192 22.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 19.177 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 75 Resp: 285826
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.2 54.6
 77 31.4 24.9 37.3

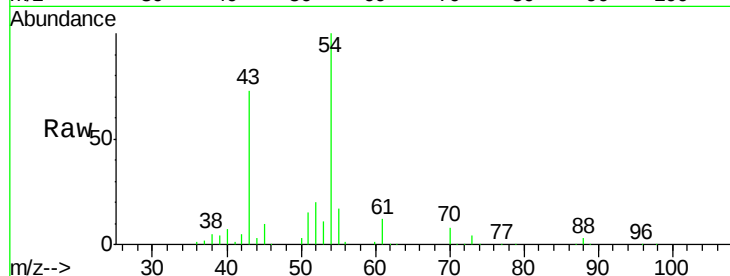




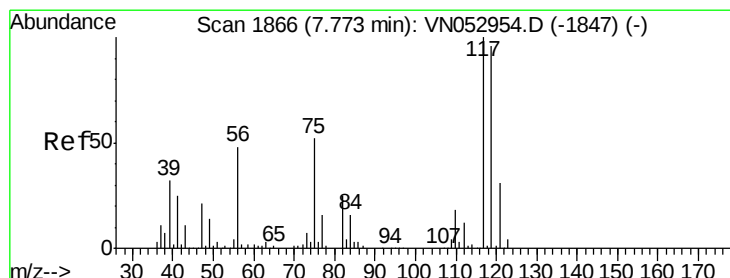
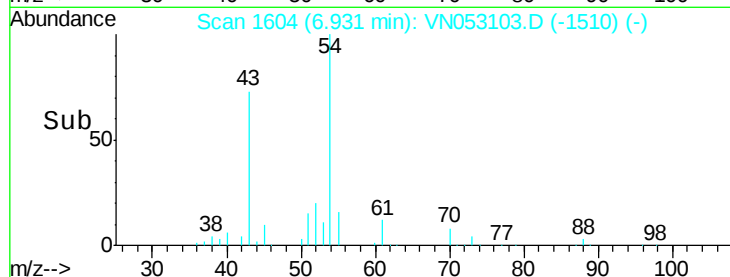
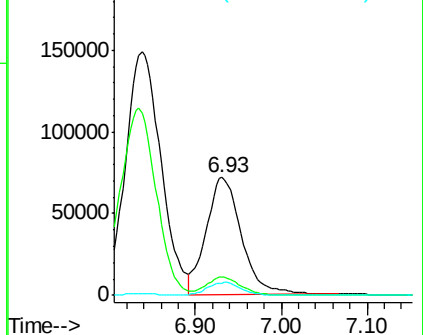
#37
Ethyl Acetate
Concen: 24.485 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 43 Resp: 203733
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.8 8.4 12.6

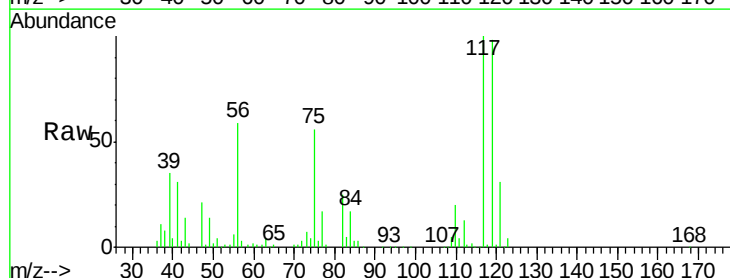


Abundance Ion 43.00 (42.70 to 43.70): VN053103.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN053103.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN053103.D (-1510) (-)

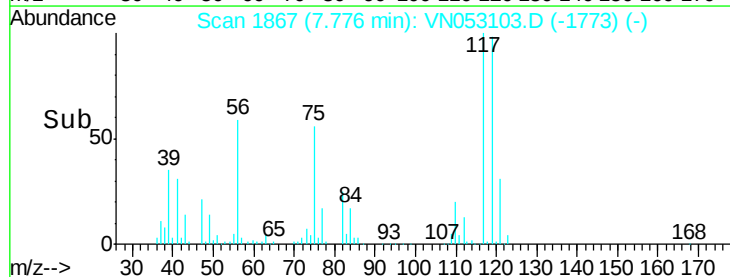
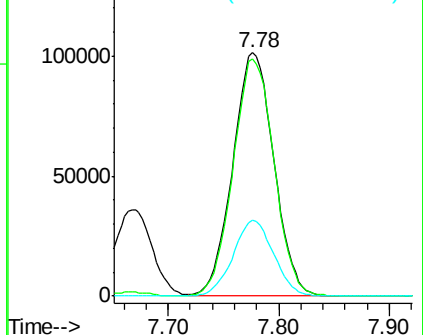


#38
Carbon Tetrachloride
Concen: 19.063 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 117 Resp: 260434
Ion Ratio Lower Upper
117 100
119 97.7 77.1 115.7
121 31.1 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VN053103.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN053103.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN053103.D (-1773) (-)

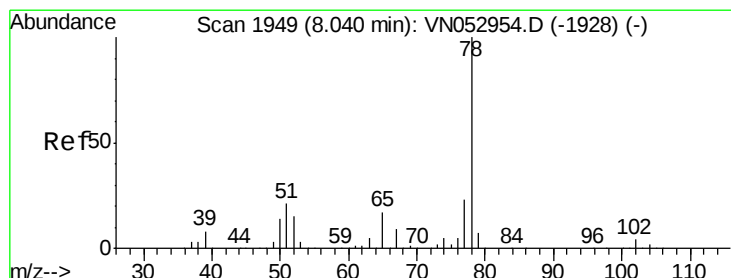
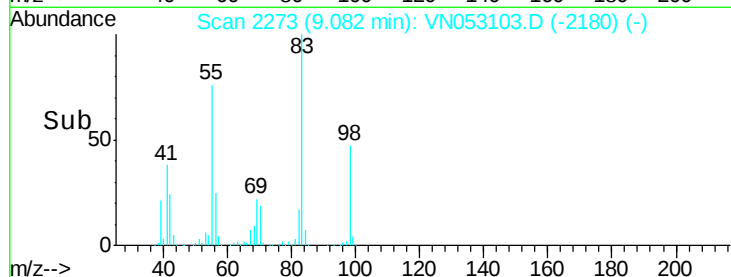
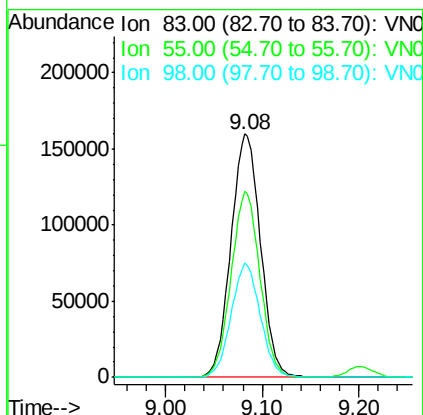
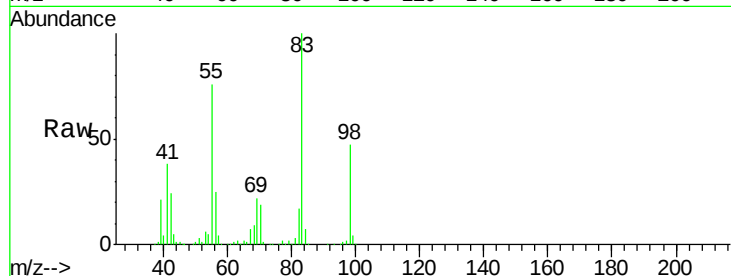




#39
Methylcyclohexane
Concen: 18.729 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

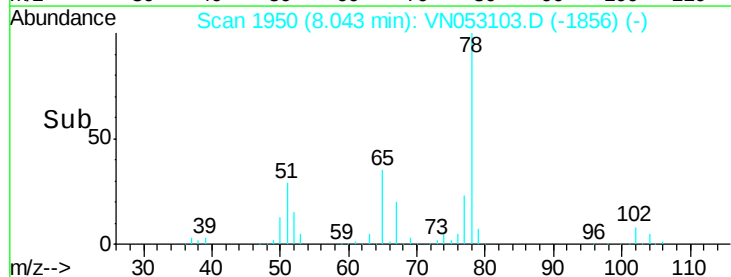
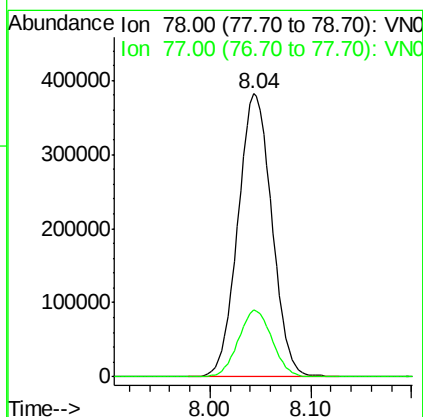
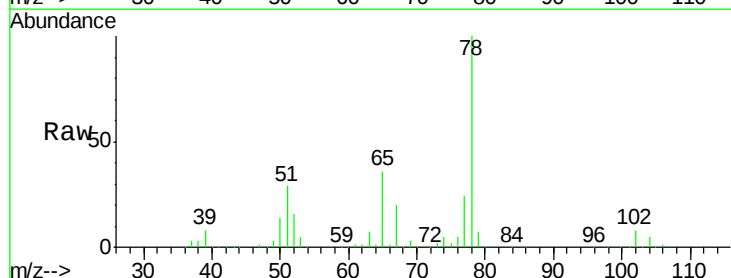
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

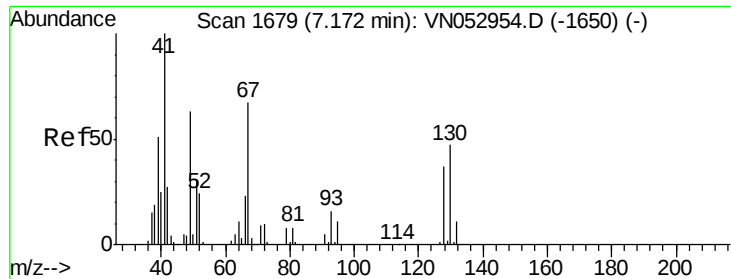
Tgt Ion: 83 Resp: 339105
Ion Ratio Lower Upper
83 100
55 76.4 61.3 91.9
98 46.8 37.0 55.4



#40
Benzene
Concen: 20.087 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 78 Resp: 890545
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7

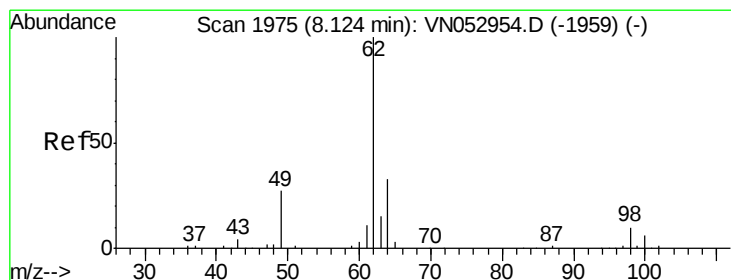
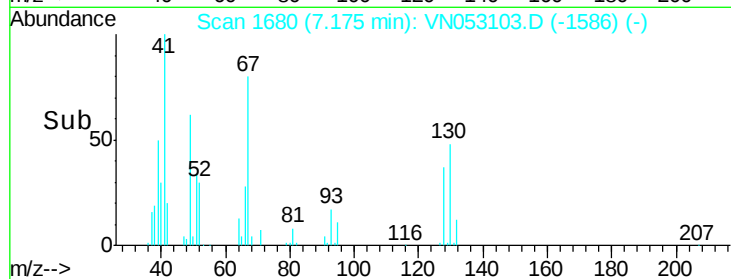
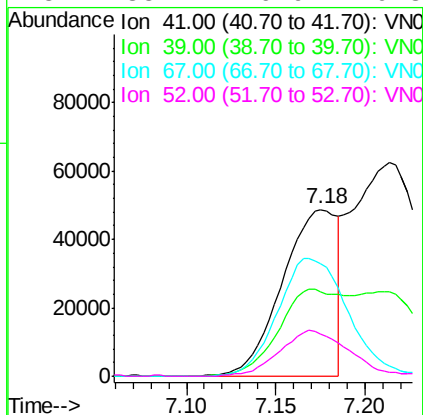
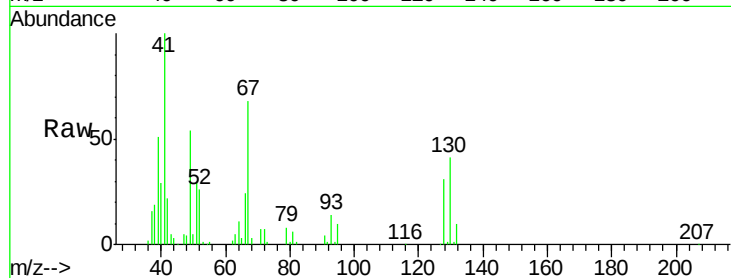




#41
Methacrylonitrile
Concen: 21.657 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

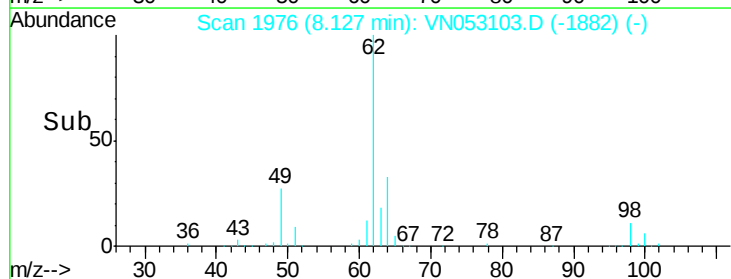
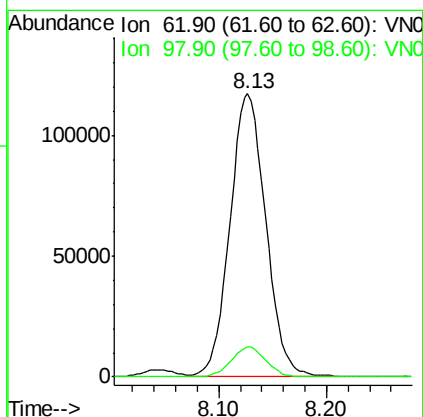
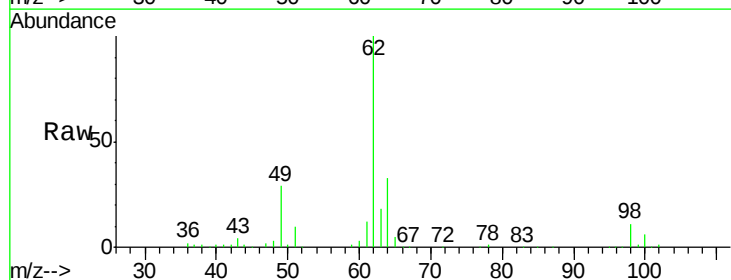
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

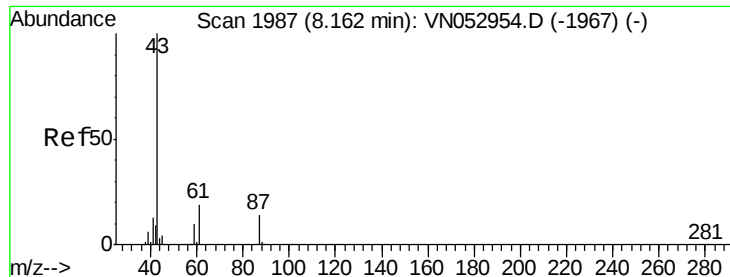
Tgt Ion:	41	Resp:	104119
Ion	Ratio	Lower	Upper
41	100		
39	62.6	48.0	72.0
67	91.1	70.3	105.5
52	35.2	26.9	40.3



#42
1,2-Dichloroethane
Concen: 20.591 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:	62	Resp:	269686
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 22.600 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

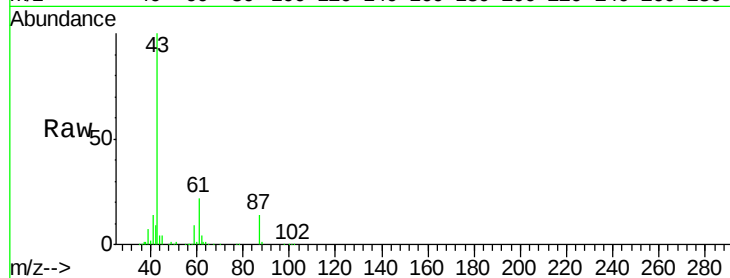
Tgt Ion: 43 Resp: 373120

Ion Ratio Lower Upper

43 100

61 27.9 22.9 34.3

87 13.2 10.6 15.8

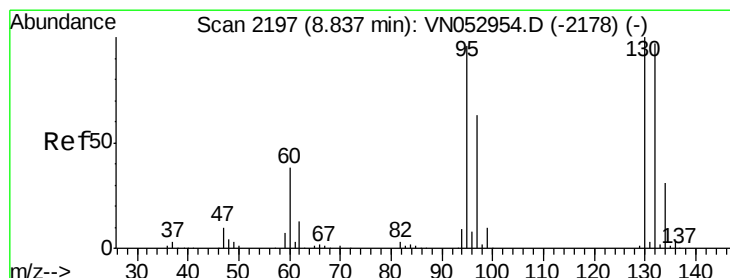
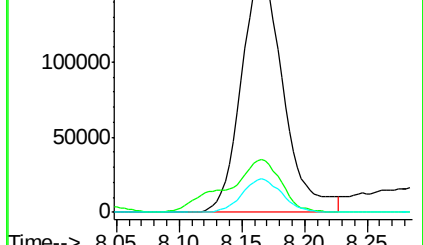
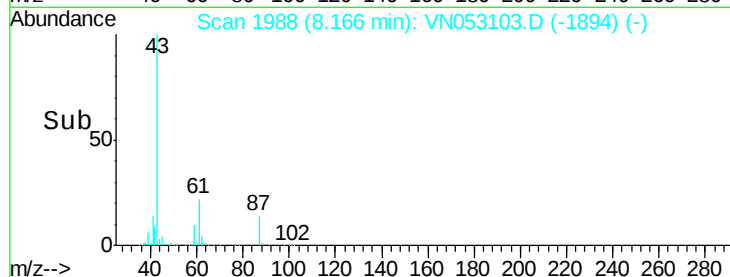


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 18.878 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053103.D

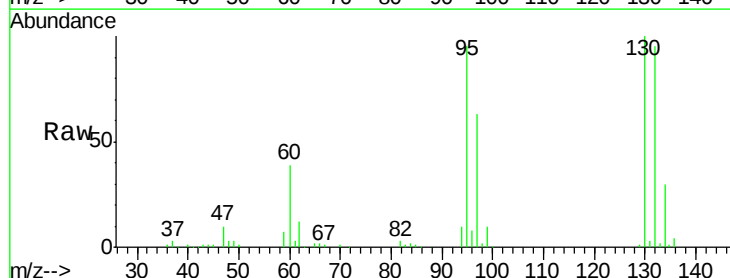
Acq: 21 Dec 2018 15:45

Tgt Ion: 130 Resp: 242069

Ion Ratio Lower Upper

130 100

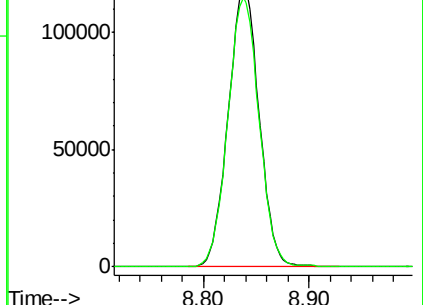
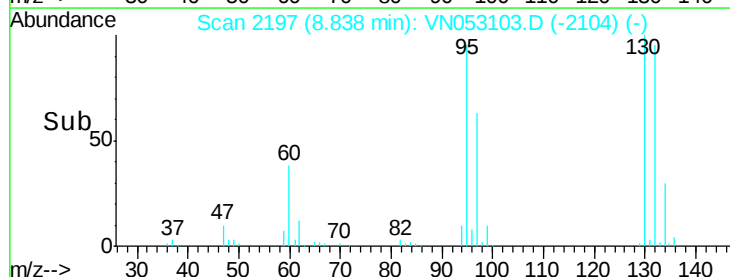
95 95.0 0.0 197.8

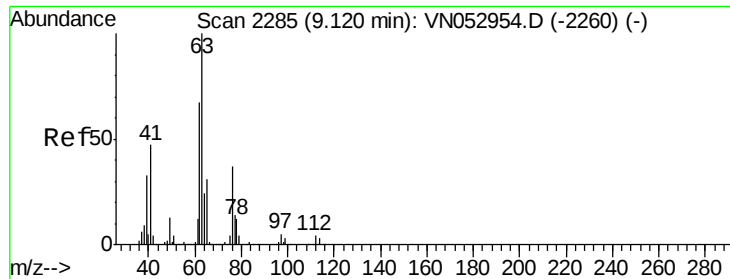


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.549 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

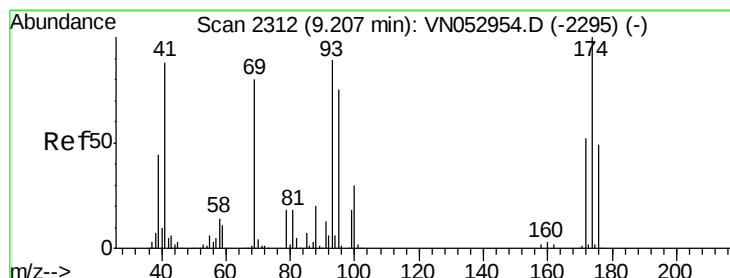
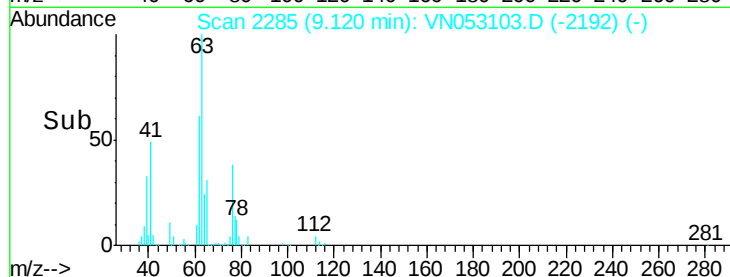
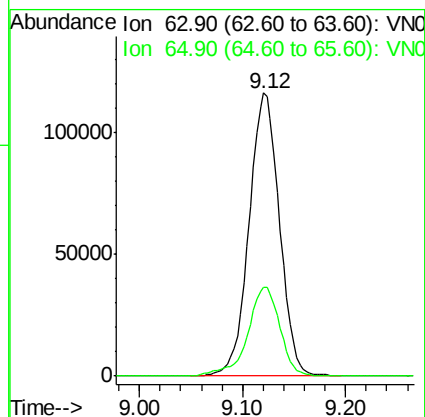
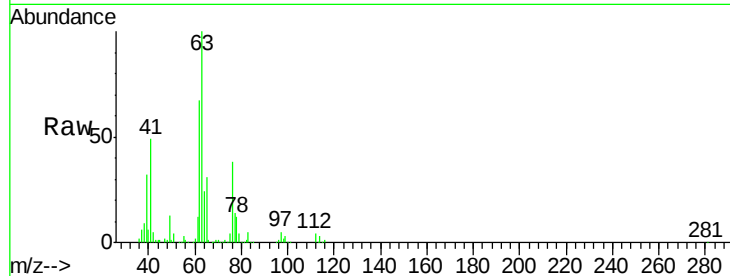
VN1221MBS02

Tgt Ion: 63 Resp: 237299

Ion Ratio Lower Upper

63 100

65 31.2 24.6 37.0



#46

Dibromomethane

Concen: 20.890 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

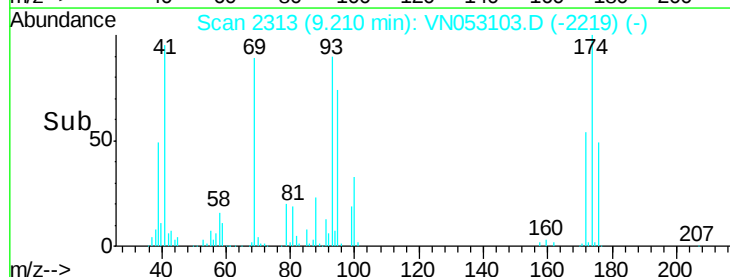
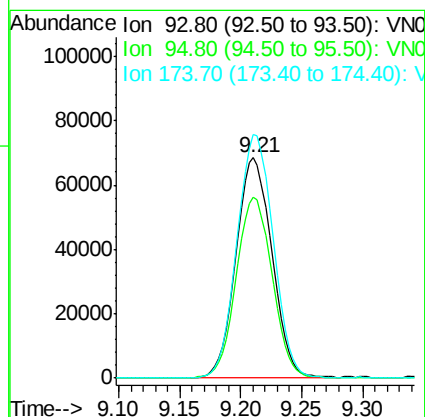
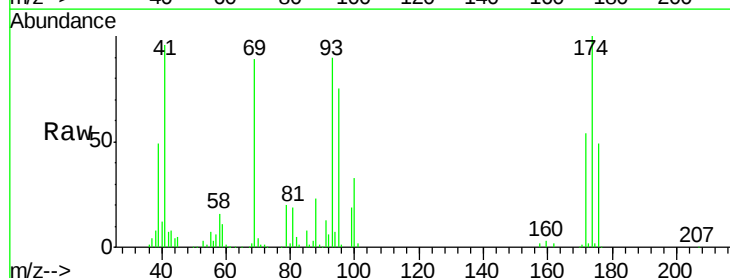
Tgt Ion: 93 Resp: 140528

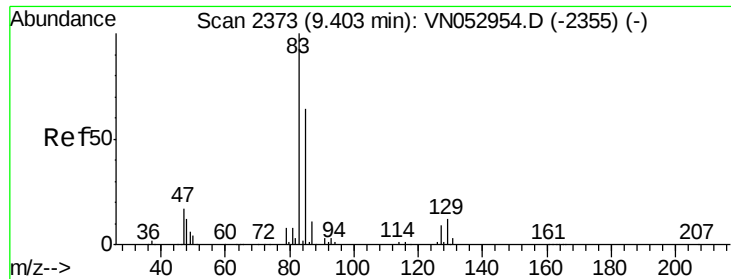
Ion Ratio Lower Upper

93 100

95 82.0 67.8 101.6

174 111.0 89.0 133.4

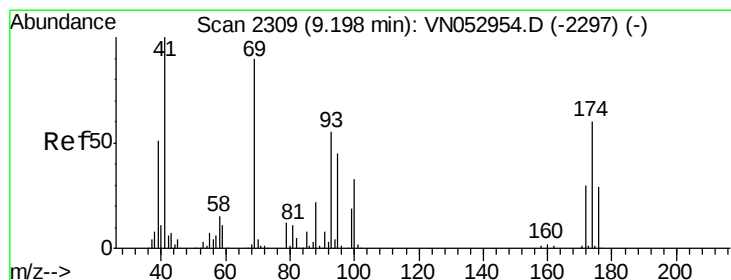
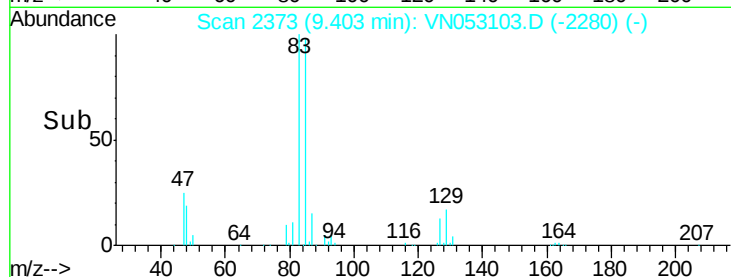
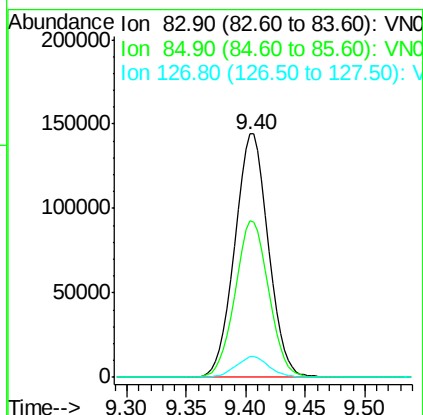
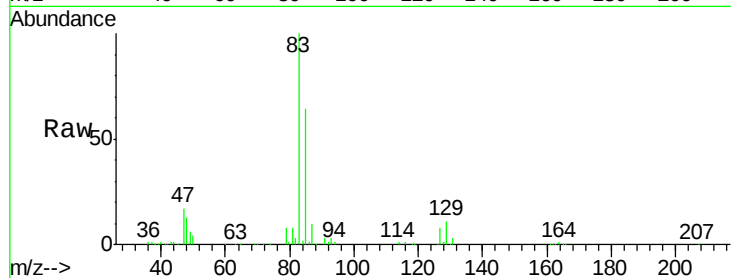




#47
Bromodichloromethane
Concen: 19.781 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

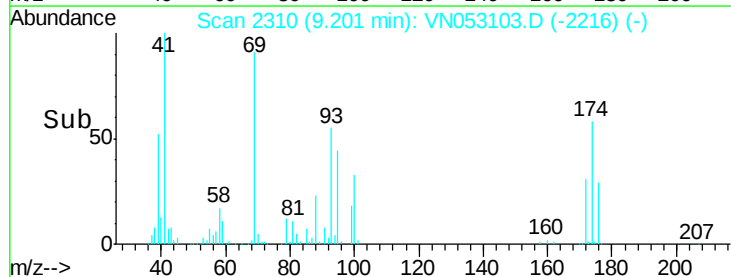
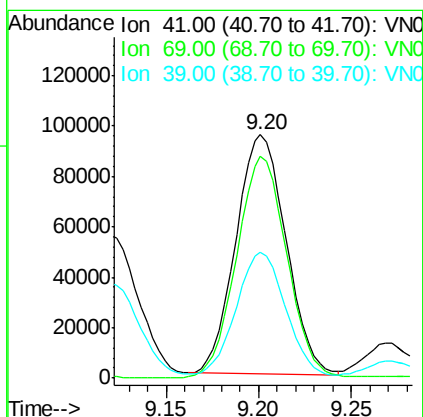
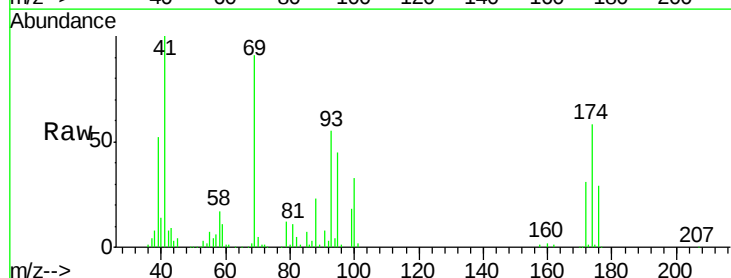
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

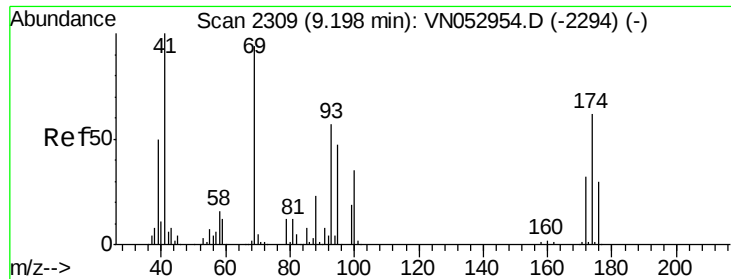
Tgt Ion: 83 Resp: 282856
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4
127 8.5 7.1 10.7



#48
Methyl methacrylate
Concen: 22.104 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 41 Resp: 178466
Ion Ratio Lower Upper
41 100
69 93.3 72.2 108.2
39 52.5 41.9 62.9

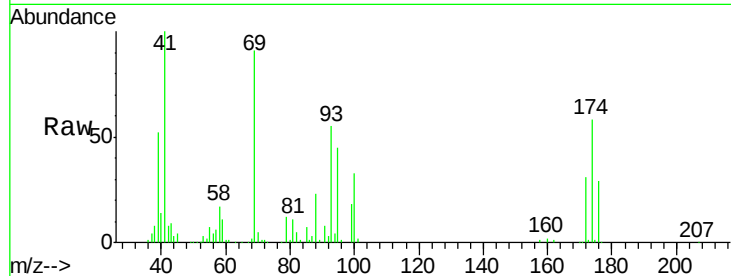




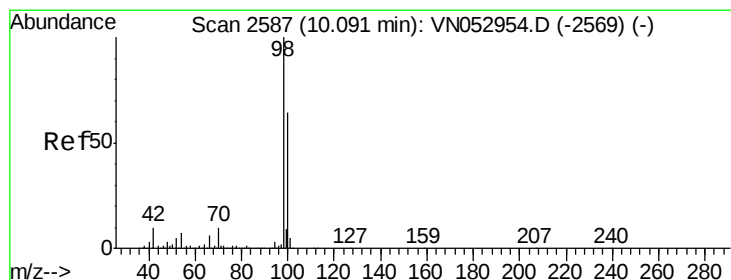
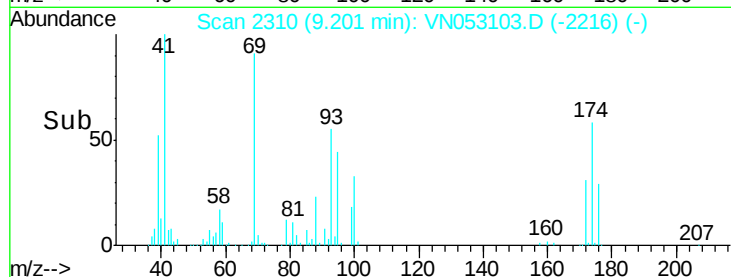
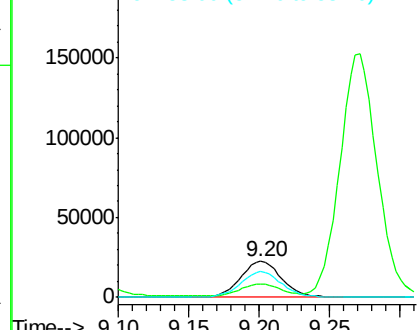
#49
 1,4-Dioxane
 Concen: 451.705 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion: 88 Resp: 46134
 Ion Ratio Lower Upper
 88 100
 43 32.9 26.6 40.0
 58 72.2 58.4 87.6

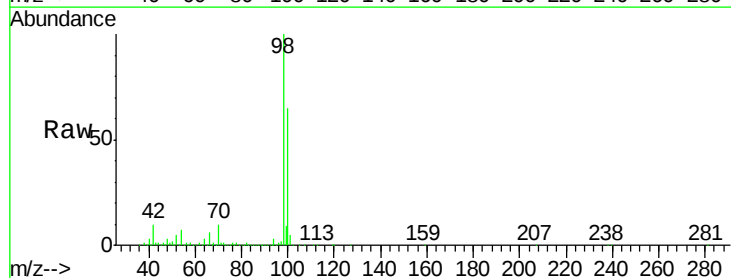


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

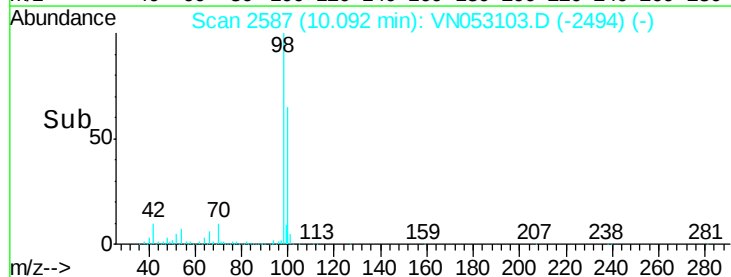
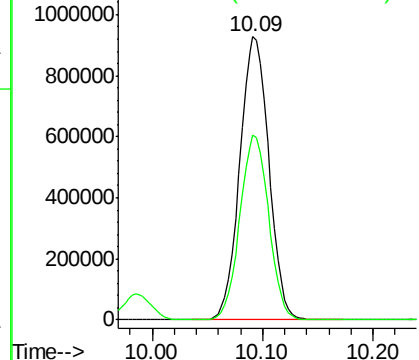


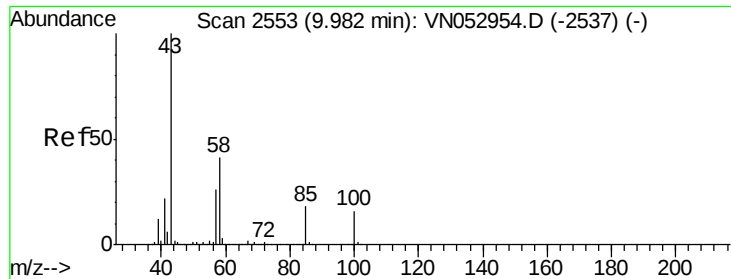
#50
 Toluene-d8
 Concen: 451.705 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 98 Resp: 1691649
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.6 77.4



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

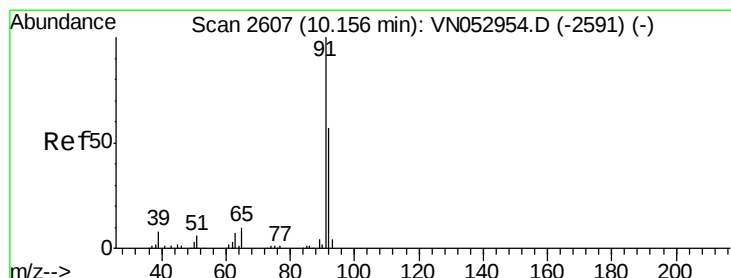
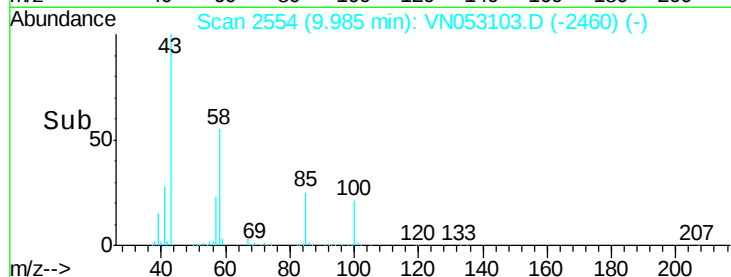
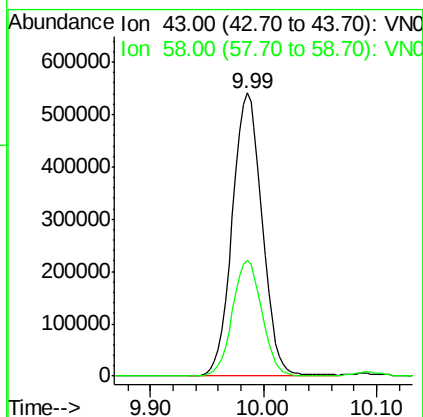
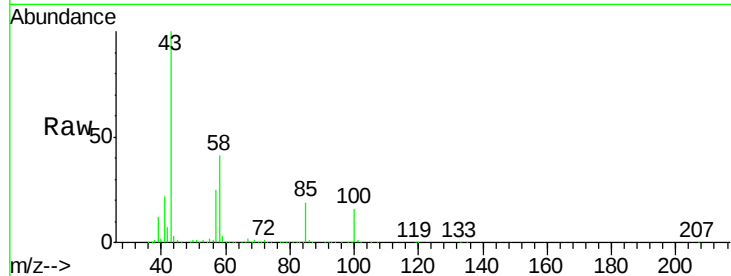




#51
 4-Methyl-2-Pentanone
 Concen: 122.600 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

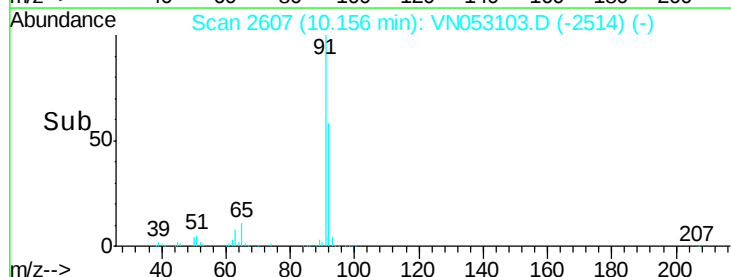
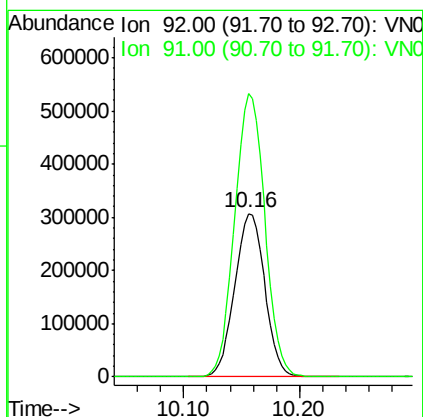
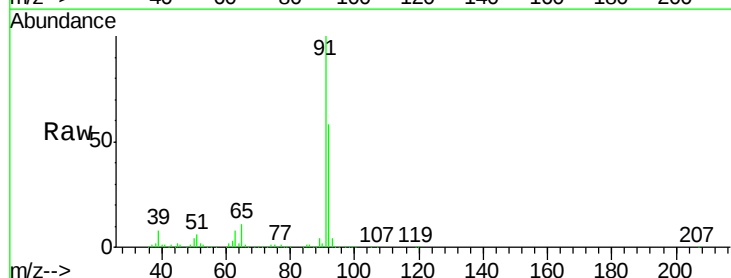
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

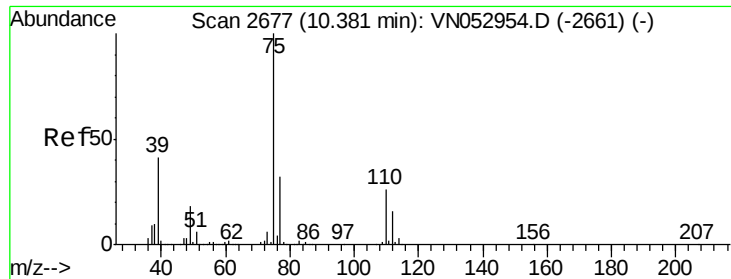
Tgt Ion: 43 Resp: 987893
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.2 48.4



#52
 Toluene
 Concen: 20.081 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 92 Resp: 551828
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.466 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

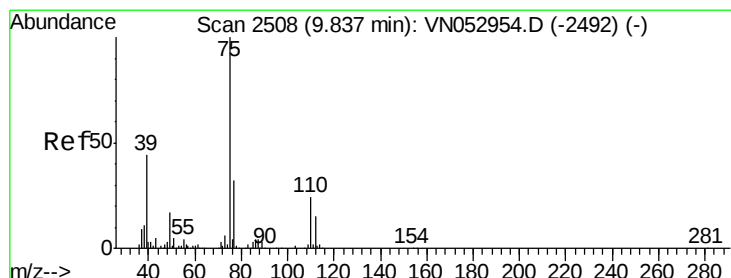
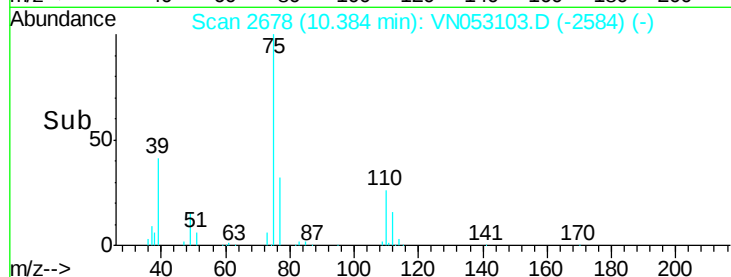
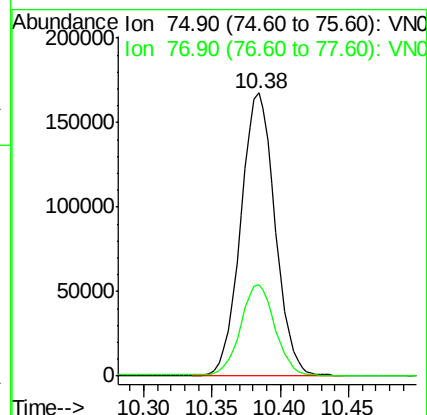
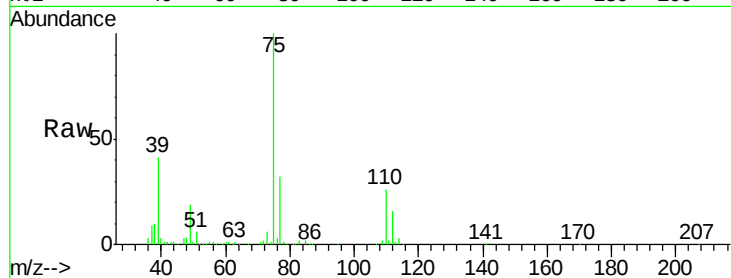
VN1221MBS02

Tgt Ion: 75 Resp: 292696

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.834 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

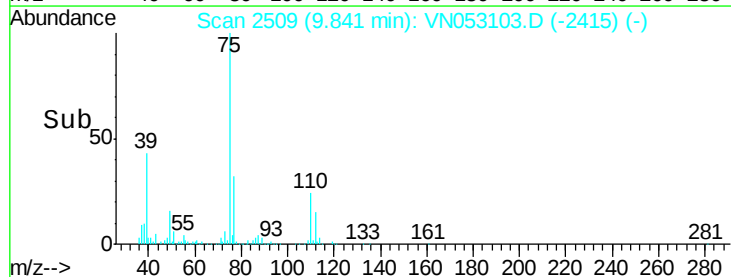
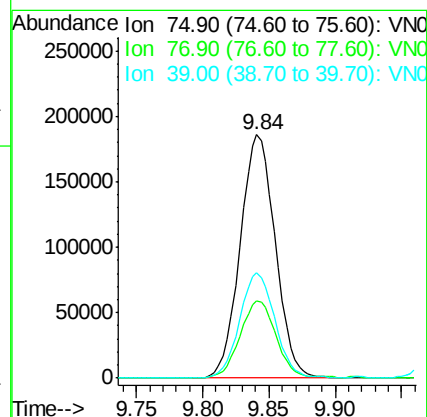
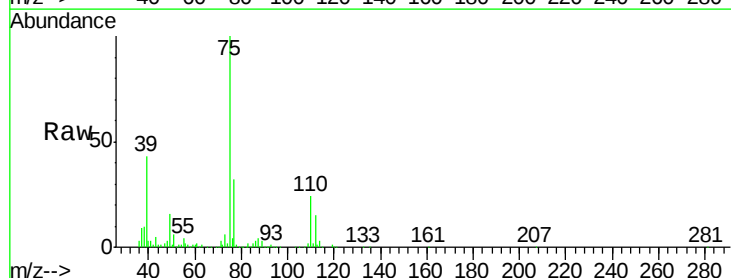
Tgt Ion: 75 Resp: 342317

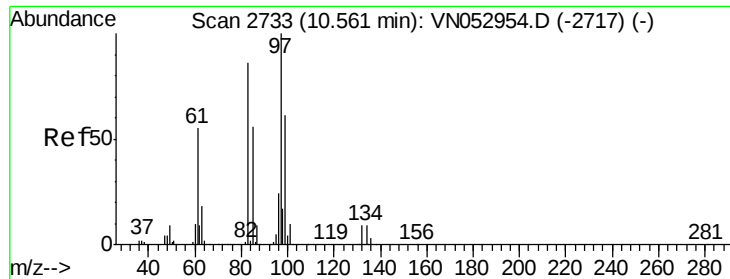
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 42.8 34.8 52.2

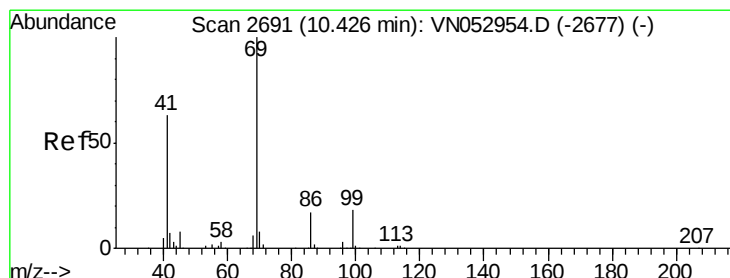
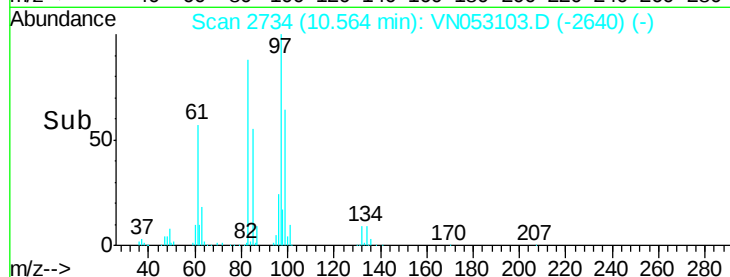
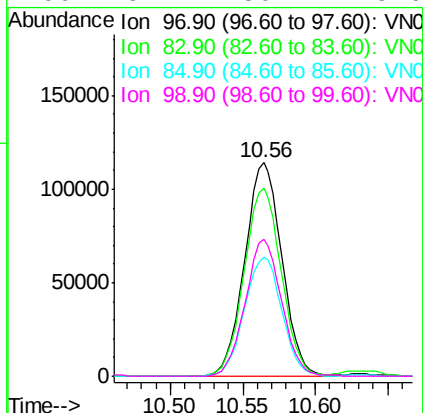
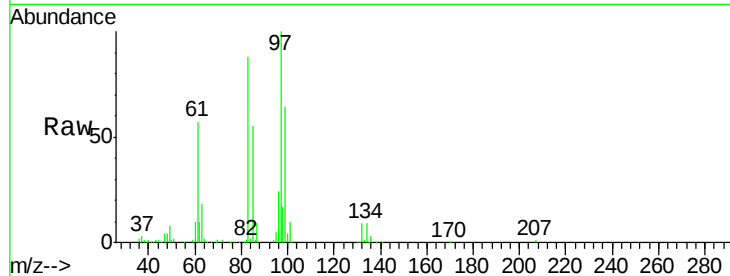




#55
 1,1,2-Trichloroethane
 Concen: 21.276 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

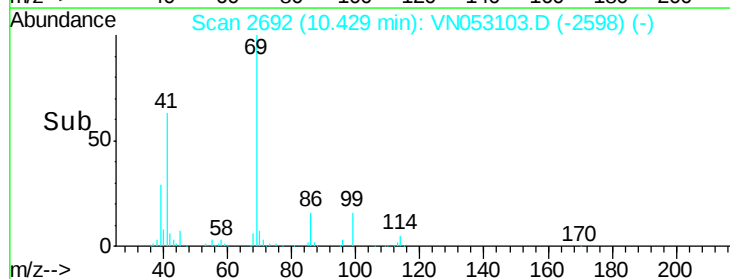
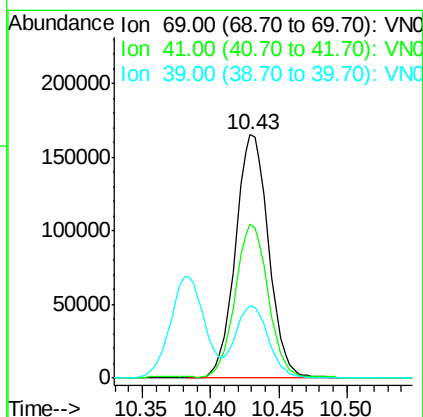
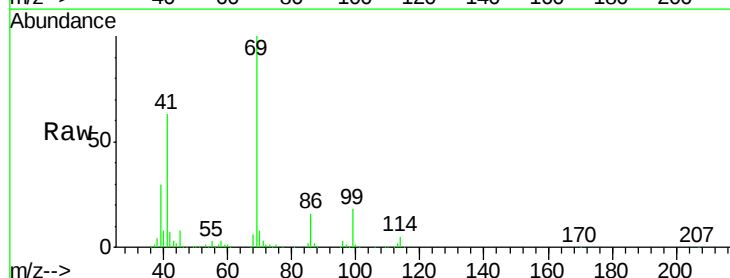
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion: 97 Resp: 203970
 Ion Ratio Lower Upper
 97 100
 83 87.9 70.9 106.3
 85 55.5 45.4 68.2
 99 64.1 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 21.990 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 69 Resp: 279034
 Ion Ratio Lower Upper
 69 100
 41 61.9 51.7 77.5
 39 30.1 24.6 37.0





#57

1,3-Dichloropropane

Concen: 21.184 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

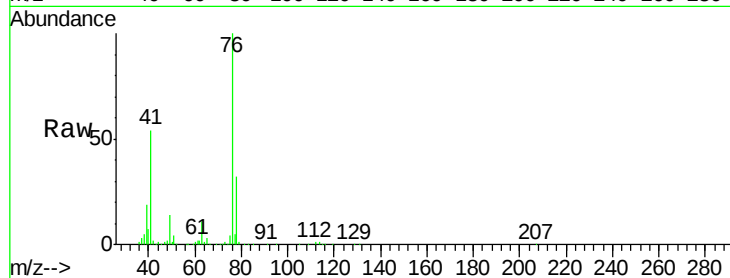
VN1221MBS02

Tgt Ion: 76 Resp: 348250

Ion Ratio Lower Upper

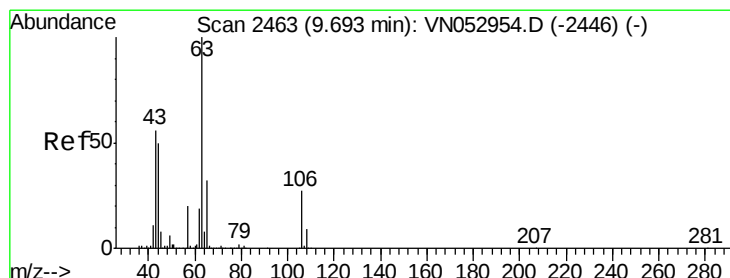
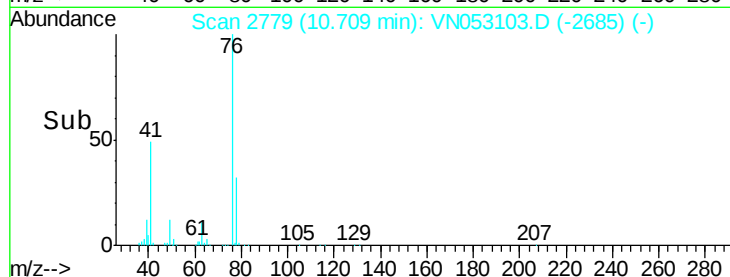
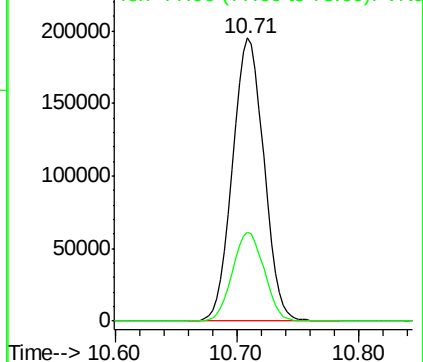
76 100

78 31.8 25.8 38.8



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: 112.876 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053103.D

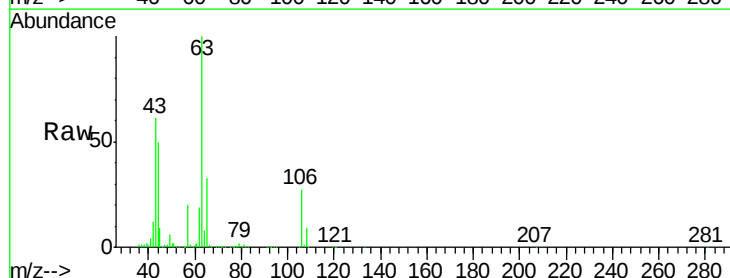
Acq: 21 Dec 2018 15:45

Tgt Ion: 63 Resp: 786316

Ion Ratio Lower Upper

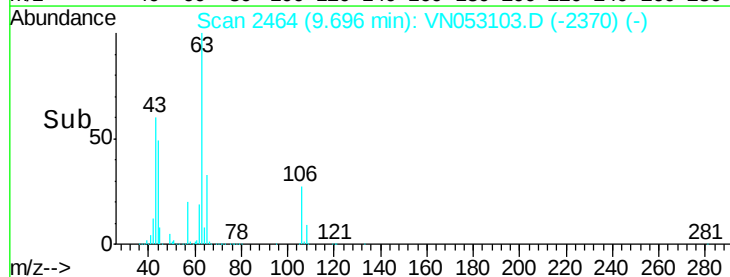
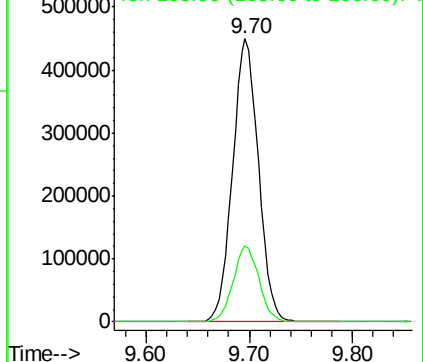
63 100

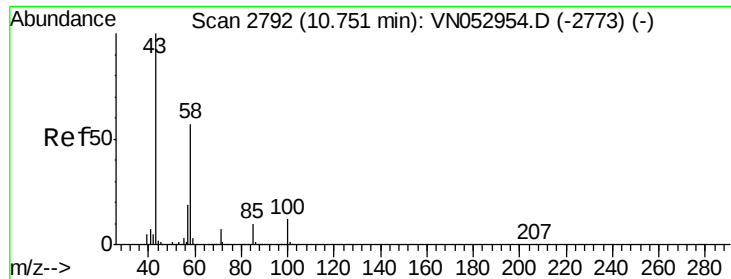
106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

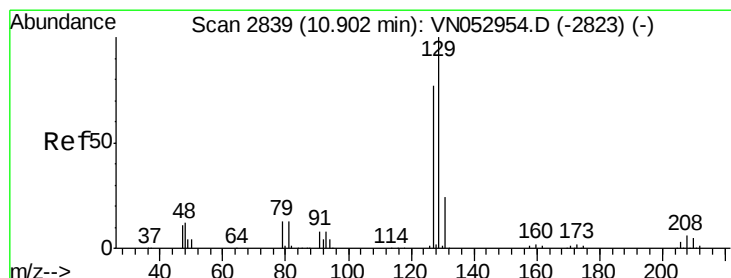
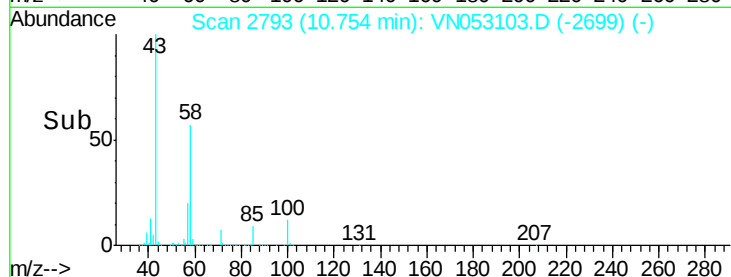
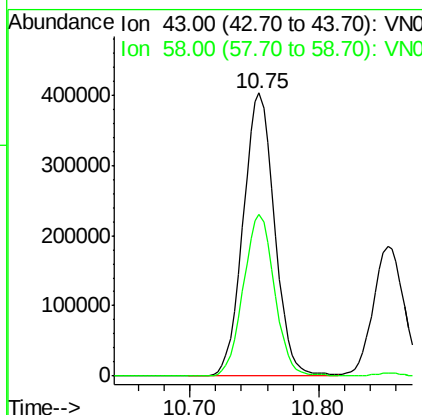
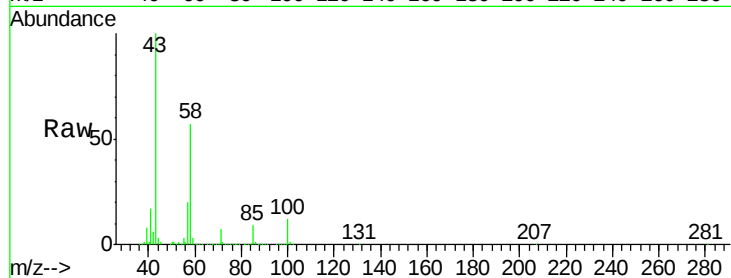




#59
2-Hexanone
Concen: 124.633 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

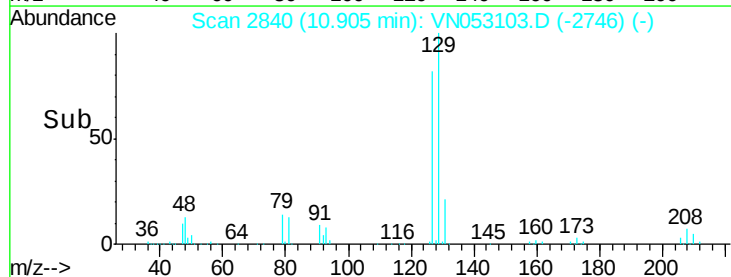
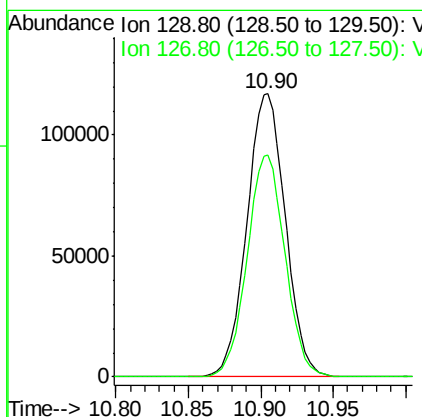
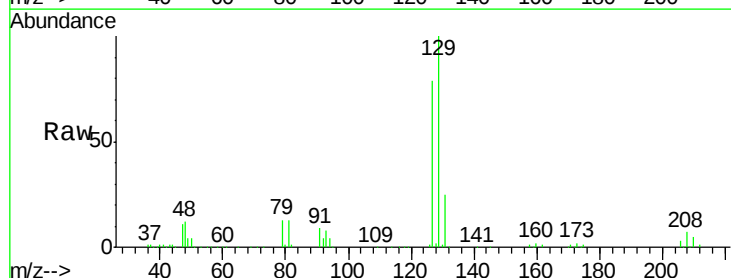
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

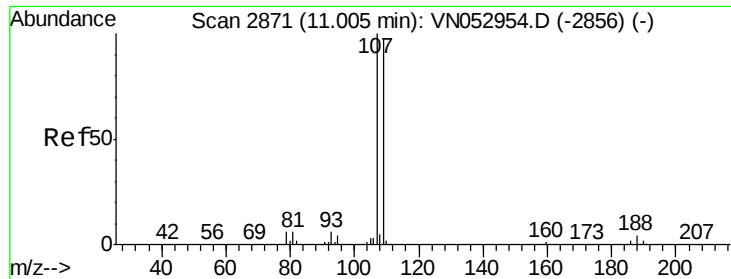
Tgt Ion: 43 Resp: 679472
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 19.719 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 129 Resp: 216392
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

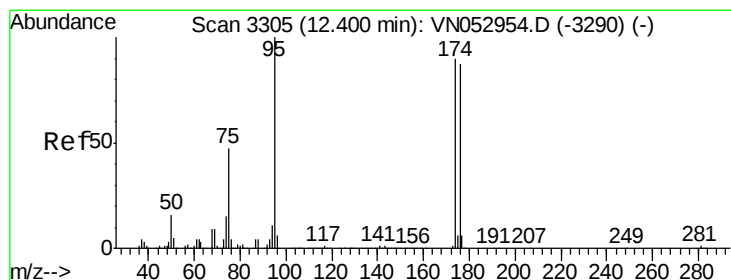
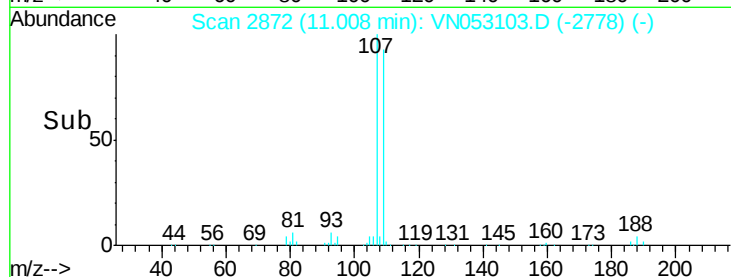
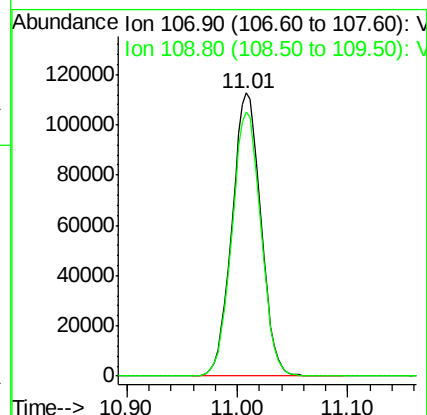
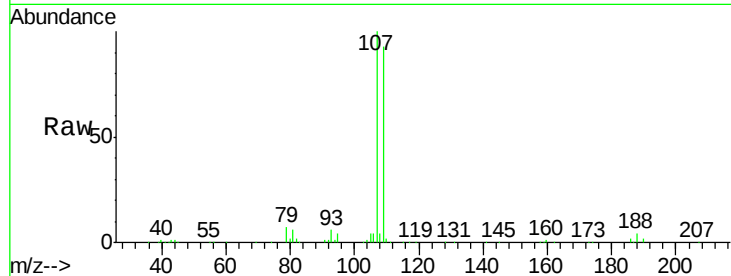




#61
 1,2-Dibromoethane
 Concen: 20.982 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

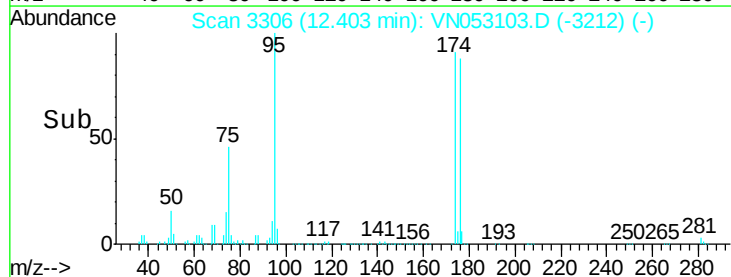
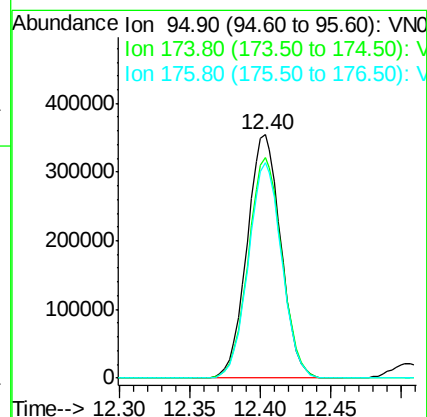
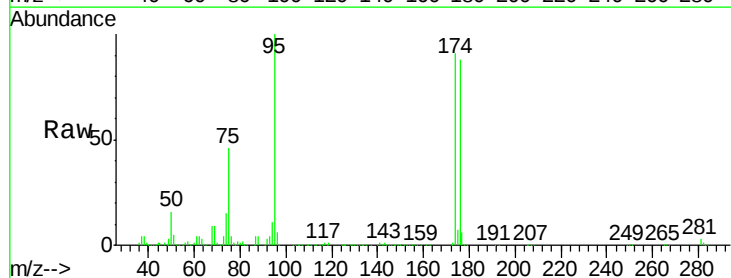
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

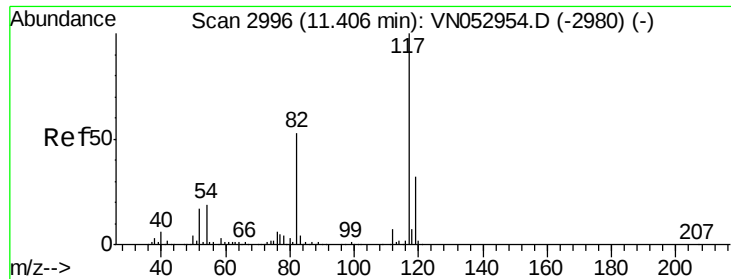
Tgt Ion: 107 Resp: 204283
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.982 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 95 Resp: 595980
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 178.8
 176 86.9 0.0 173.8

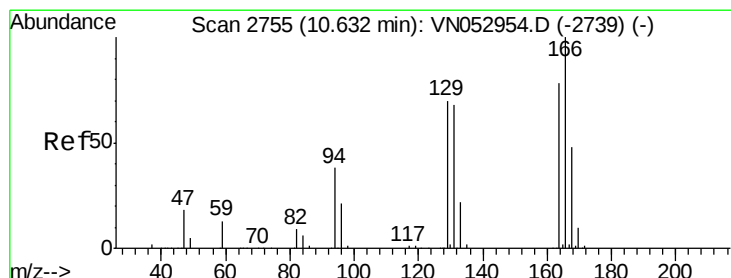
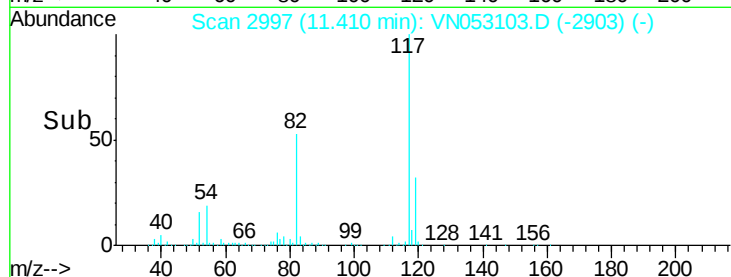
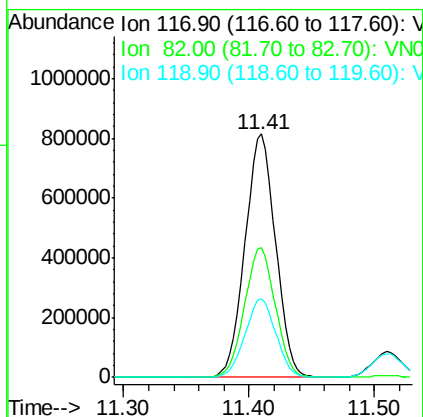
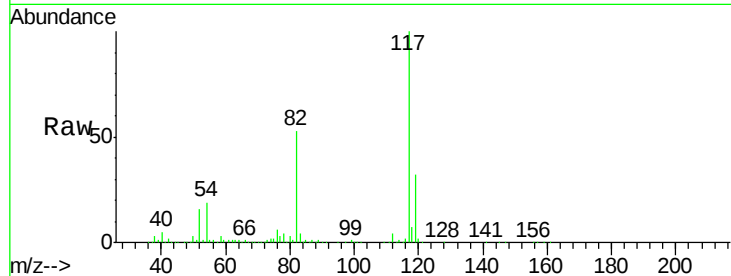




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

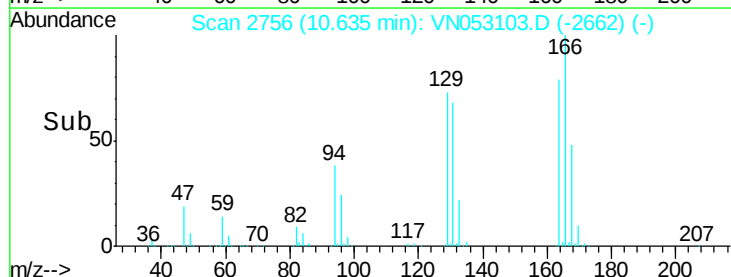
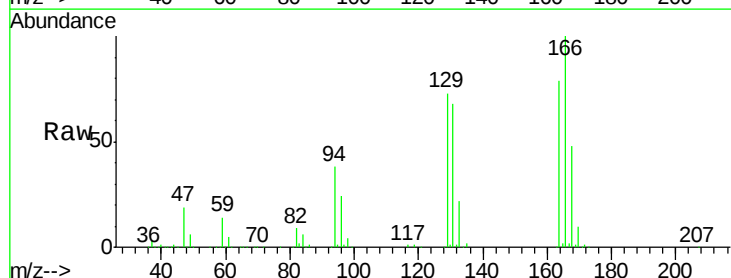
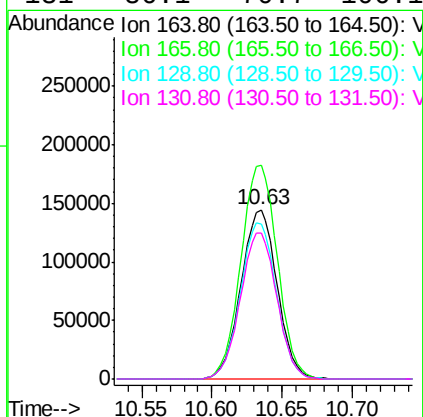
Instrument :
MSVOA_N
ClientSampled :
VN1221MBS02

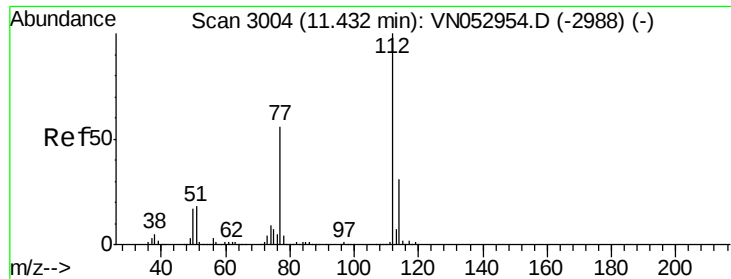
Tgt Ion:117 Resp: 1382882
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 17.321 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:164 Resp: 259465
Ion Ratio Lower Upper
164 100
166 126.4 102.9 154.3
129 92.0 73.7 110.5
131 86.1 70.7 106.1

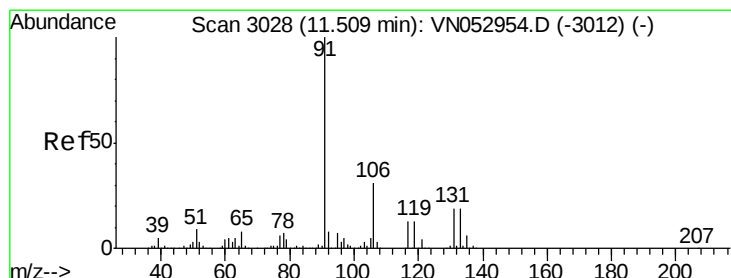
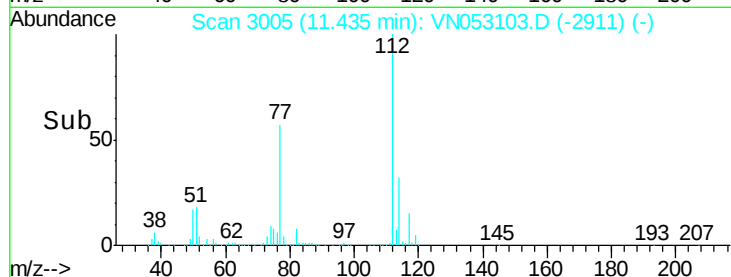
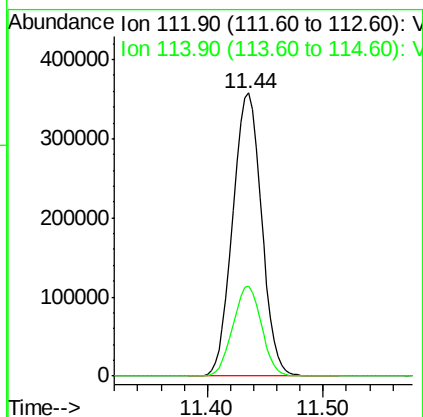
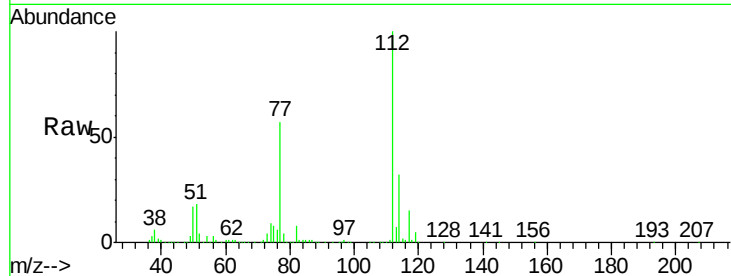




#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

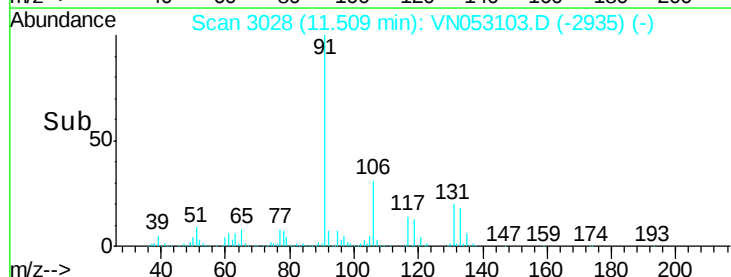
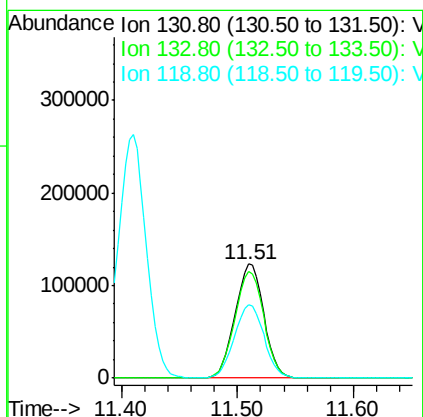
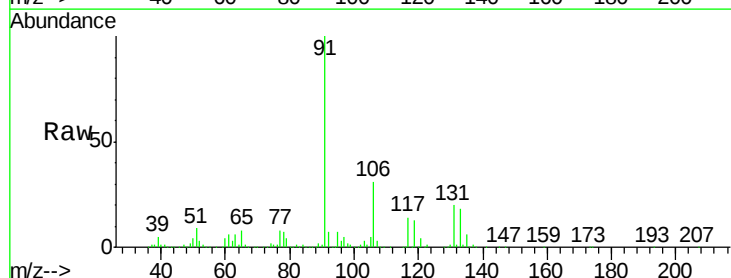
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

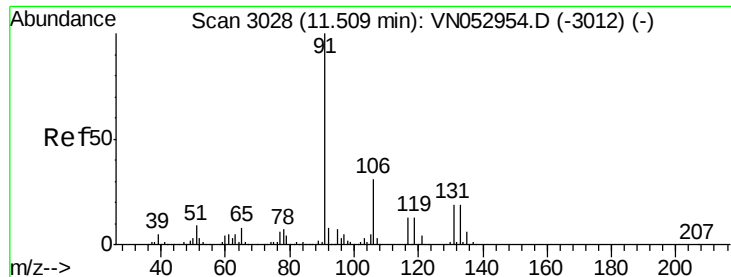
Tgt Ion:112 Resp: 614291
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.849 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:131 Resp: 211586
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 65.8 33.3 99.8

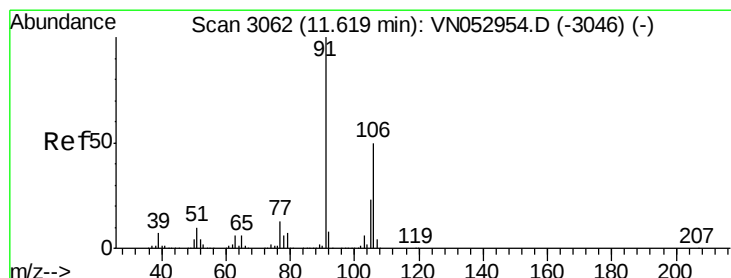
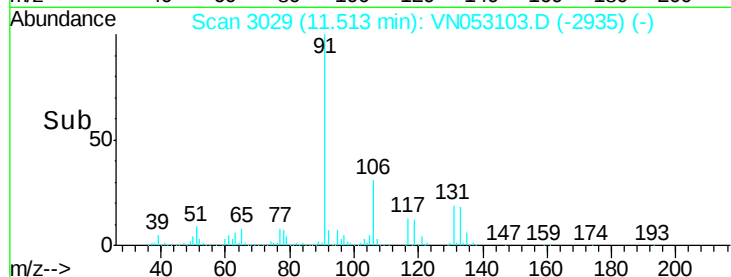
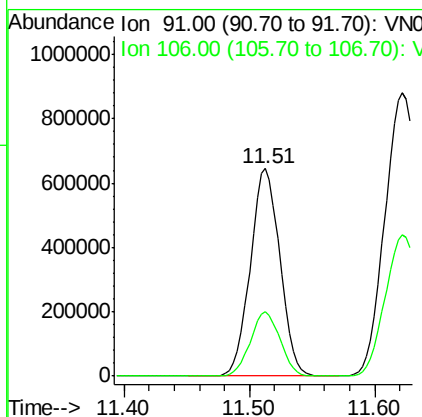
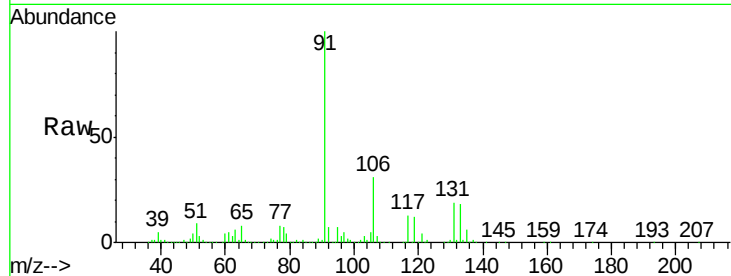




#67
Ethyl Benzene
Concen: 20.093 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

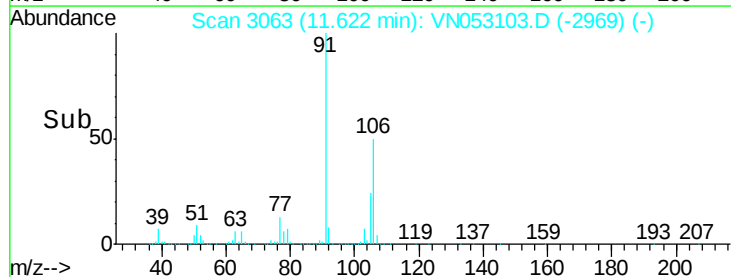
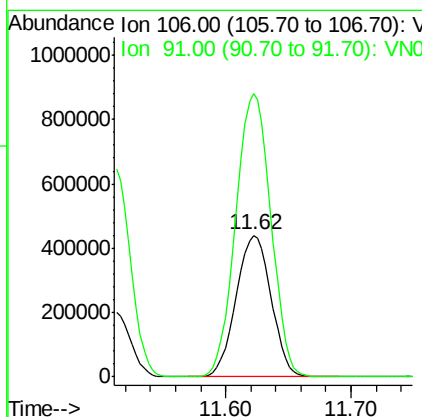
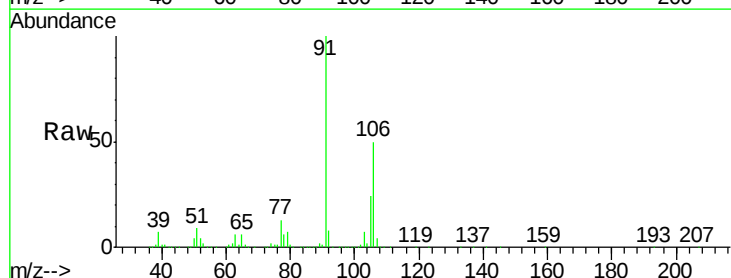
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

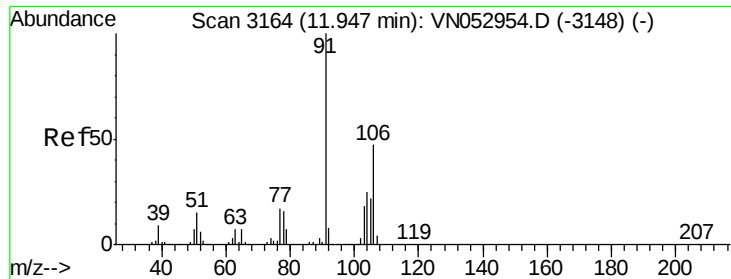
Tgt Ion: 91 Resp: 1059252
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 42.499 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 106 Resp: 851723
Ion Ratio Lower Upper
106 100
91 200.9 162.2 243.4

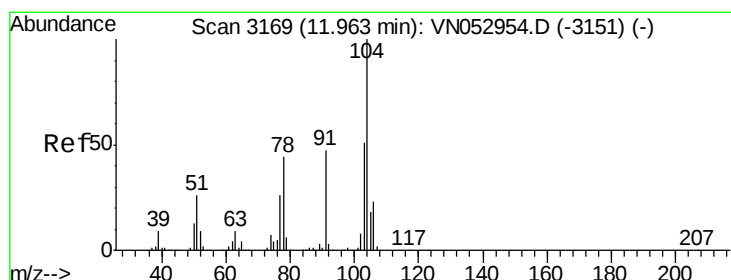
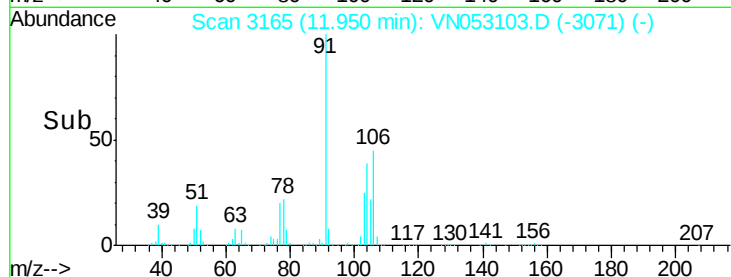
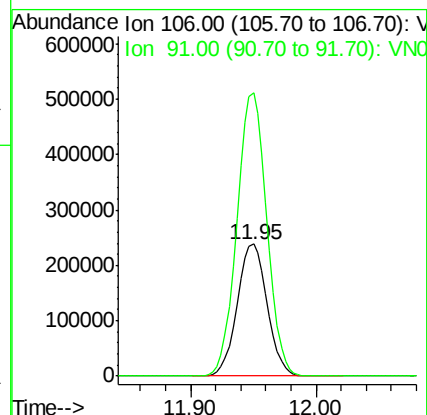
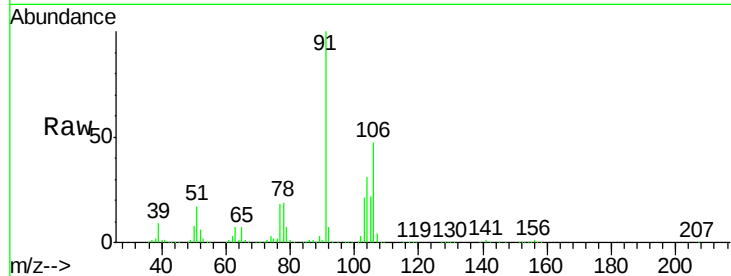




#69
o-Xylene
Concen: 20.429 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

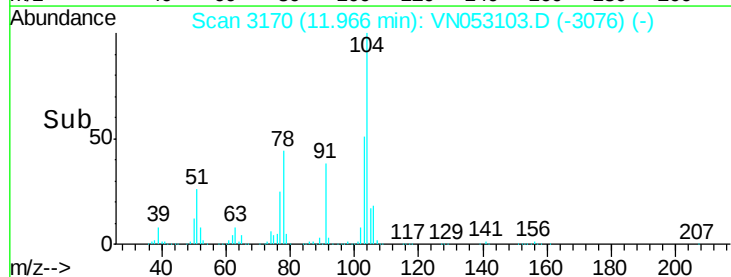
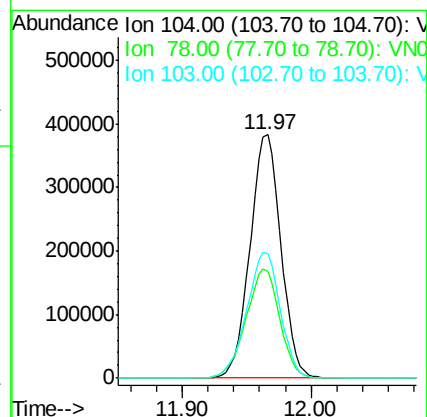
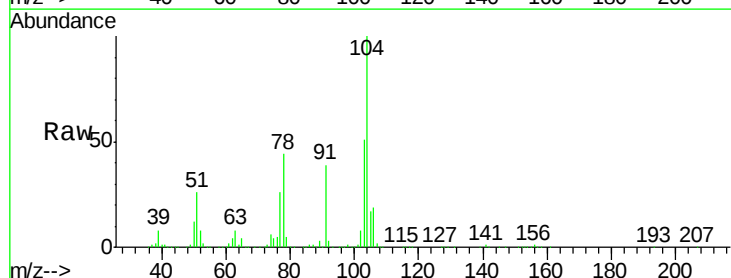
Instrument :
MSVOA_N
ClientSampled :
VN1221MBS02

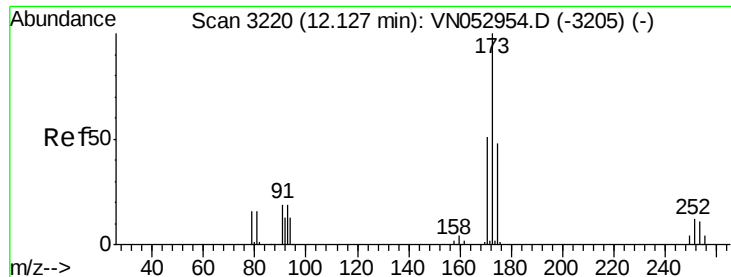
Tgt Ion:106 Resp: 392870
Ion Ratio Lower Upper
106 100
91 214.1 106.6 319.8



#70
Styrene
Concen: 20.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:104 Resp: 639953
Ion Ratio Lower Upper
104 100
78 48.8 38.9 58.3
103 56.0 44.3 66.5

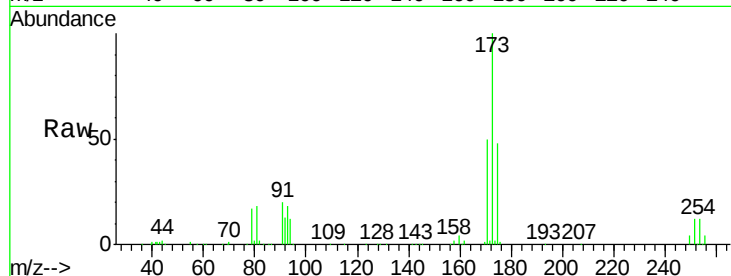




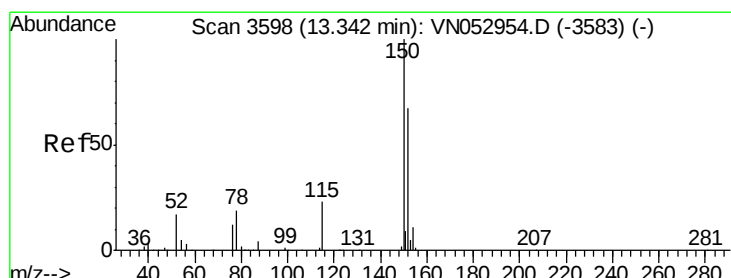
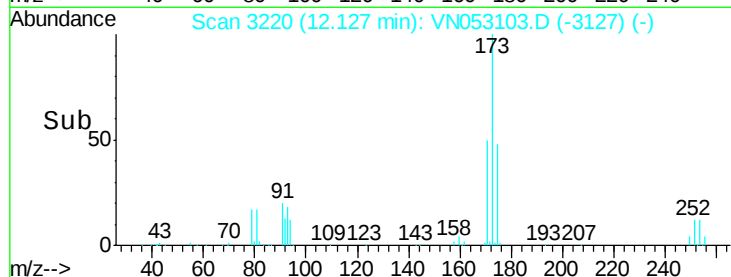
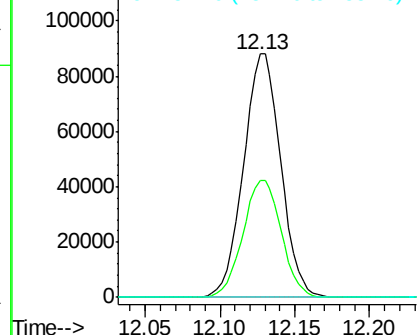
#71
Bromoform
Concen: 19.773 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion:173 Resp: 152275
Ion Ratio Lower Upper
173 100
175 49.4 24.3 72.9
254 0.1 0.1 0.1#

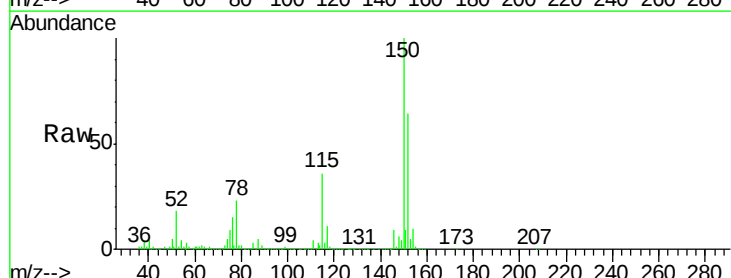


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

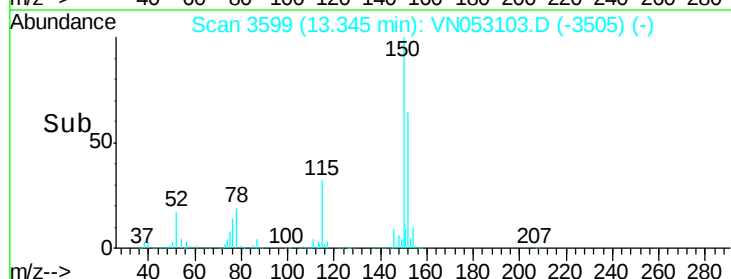
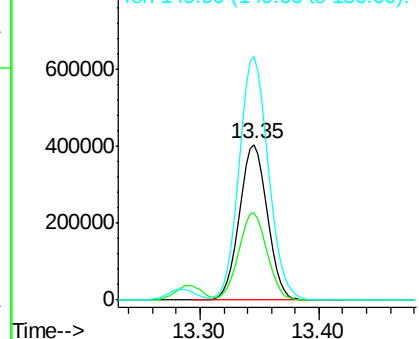


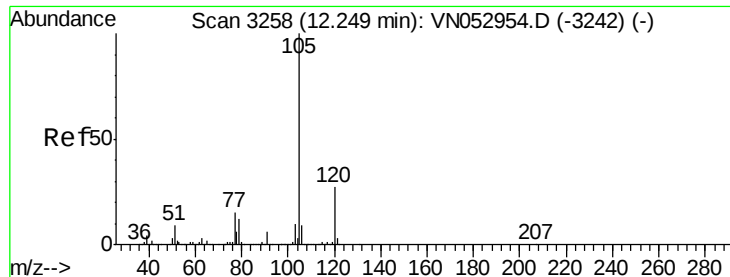
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:152 Resp: 658805
Ion Ratio Lower Upper
152 100
115 56.4 28.3 85.0
150 164.1 0.0 347.8



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





#73

Isopropylbenzene

Concen: 20.154 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

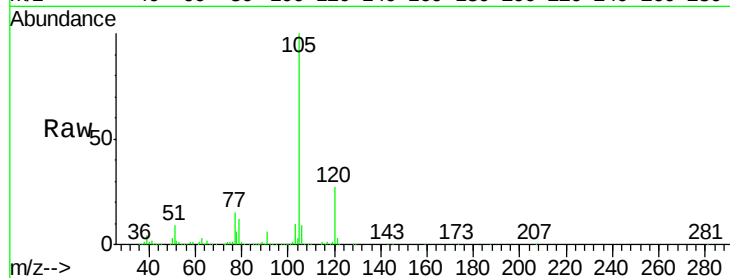
VN1221MBS02

Tgt Ion:105 Resp: 1038873

Ion Ratio Lower Upper

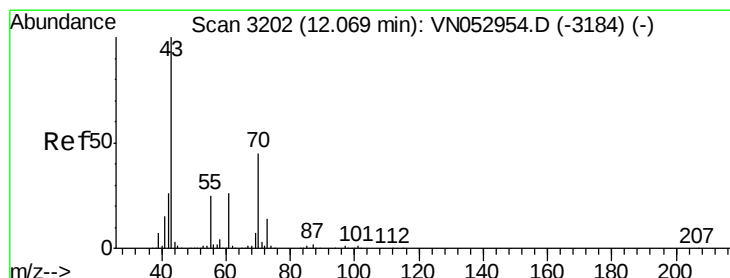
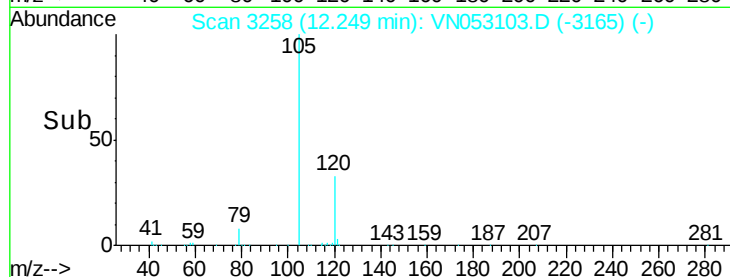
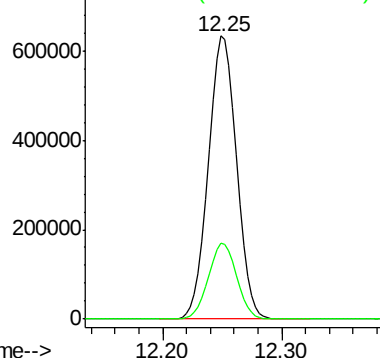
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.590 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion: 43 Resp: 323290

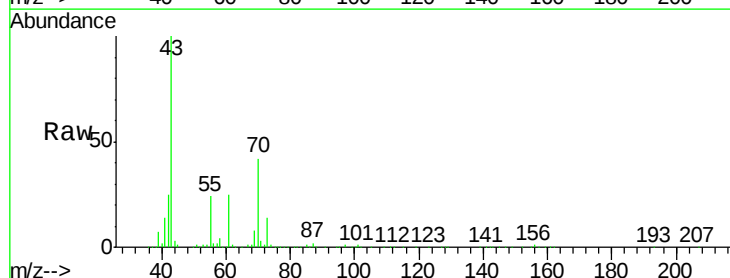
Ion Ratio Lower Upper

43 100

70 43.8 34.2 51.4

55 24.9 20.3 30.5

61 25.5 20.0 30.0

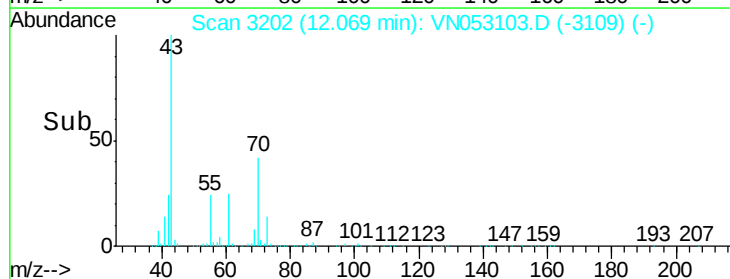
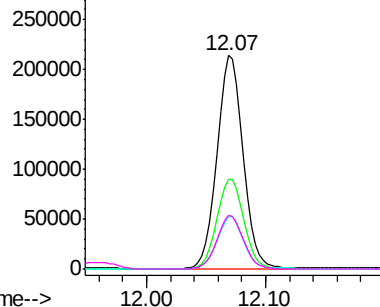


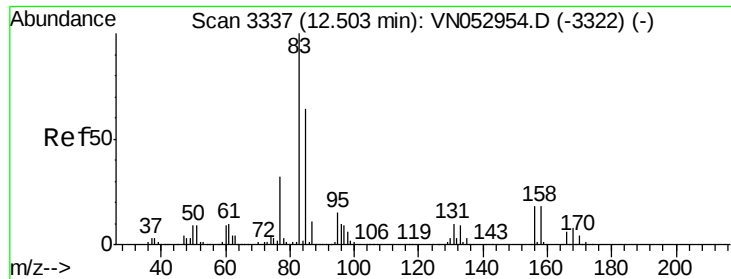
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.512 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

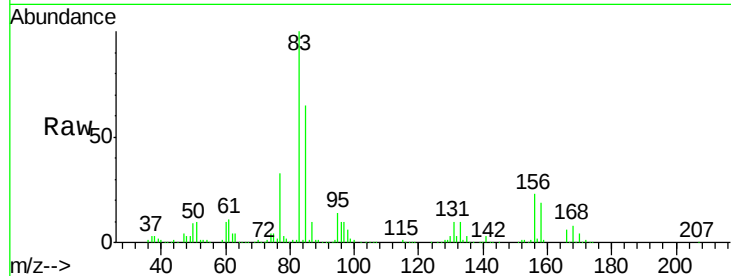
Tgt Ion: 83 Resp: 247877

Ion Ratio Lower Upper

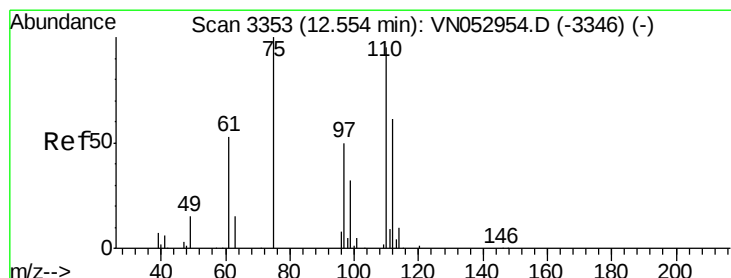
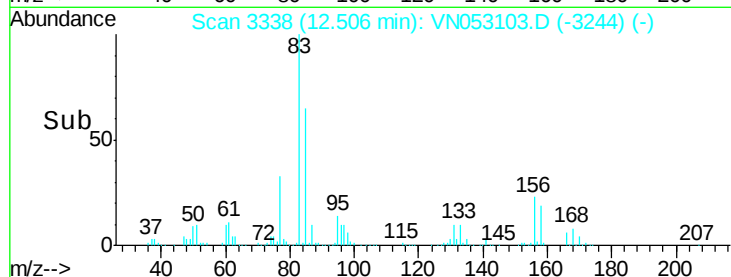
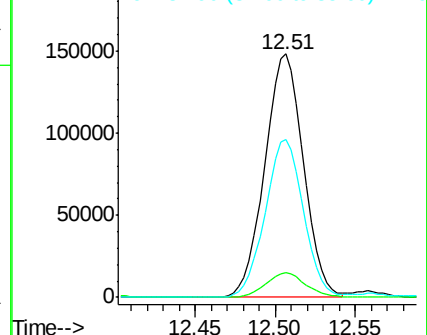
83 100

131 10.9 5.2 15.6

85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.057 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053103.D

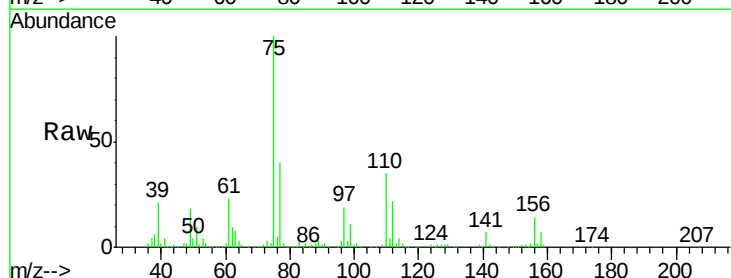
Acq: 21 Dec 2018 15:45

Tgt Ion: 75 Resp: 322248

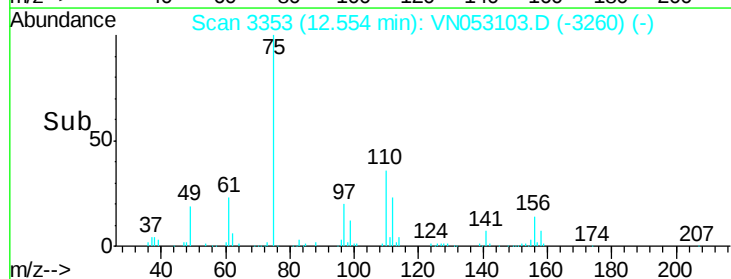
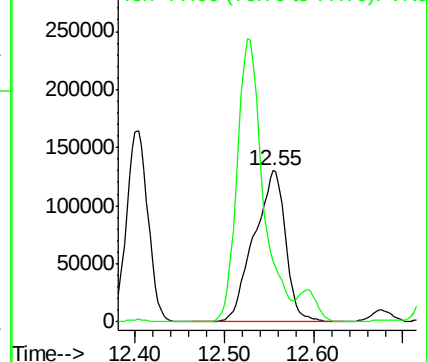
Ion Ratio Lower Upper

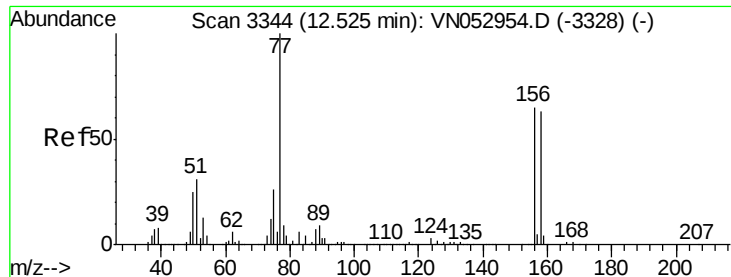
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 24.203 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

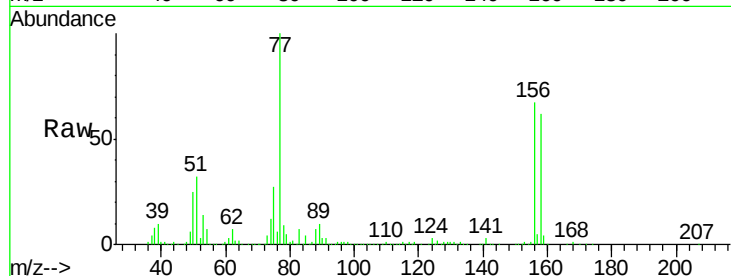
Tgt Ion:156 Resp: 324297

Ion Ratio Lower Upper

156 100

77 151.9 91.3 273.8

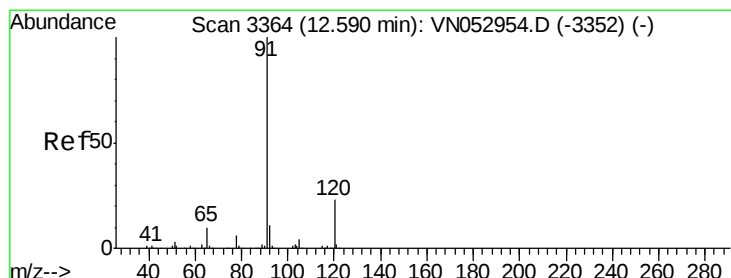
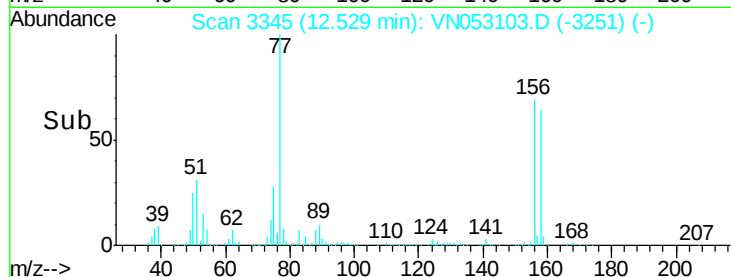
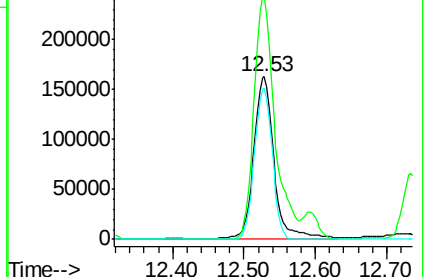
158 80.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.001 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053103.D

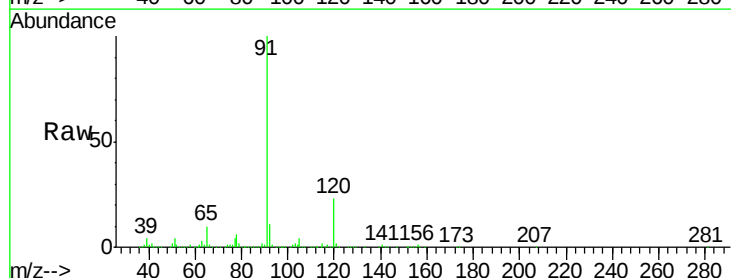
Acq: 21 Dec 2018 15:45

Tgt Ion: 91 Resp: 1174172

Ion Ratio Lower Upper

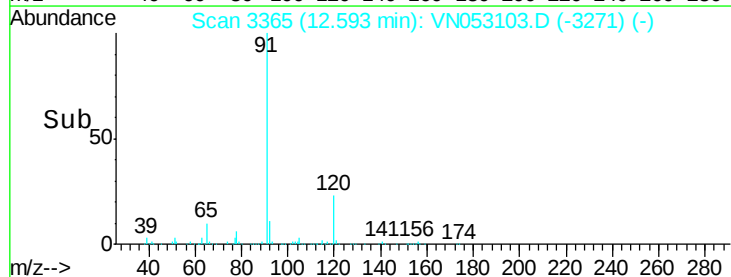
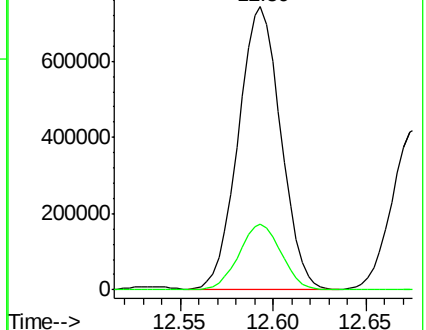
91 100

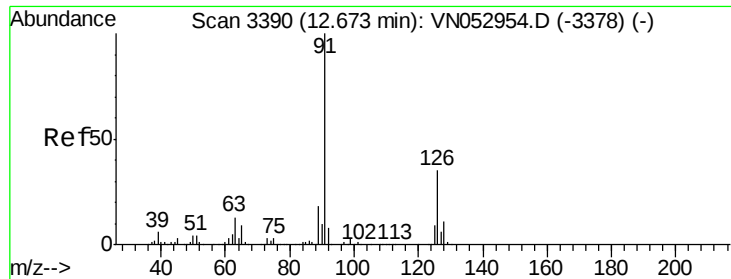
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.166 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

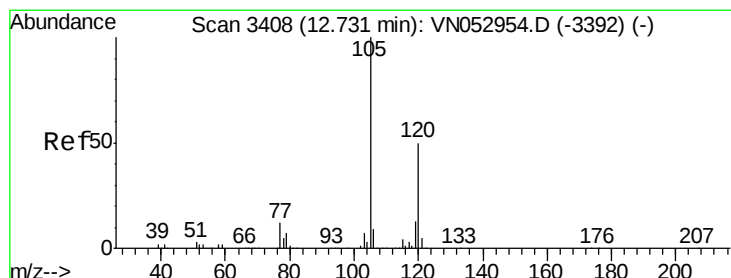
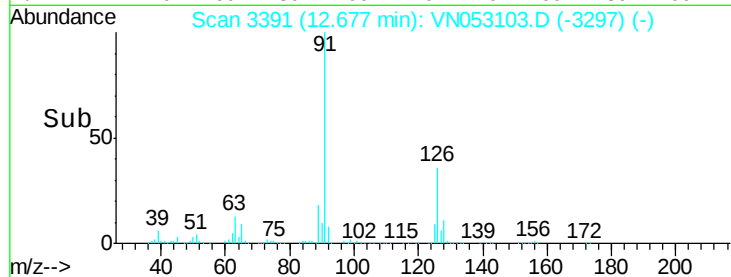
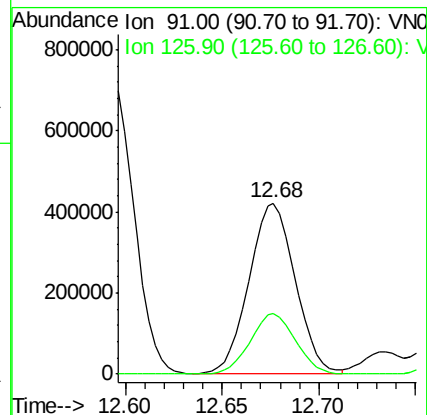
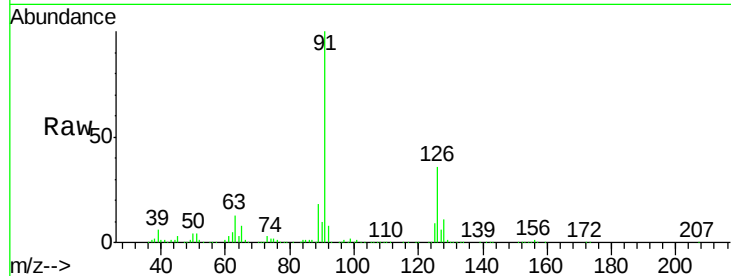
VN1221MBS02

Tgt Ion: 91 Resp: 697414

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 19.924 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053103.D

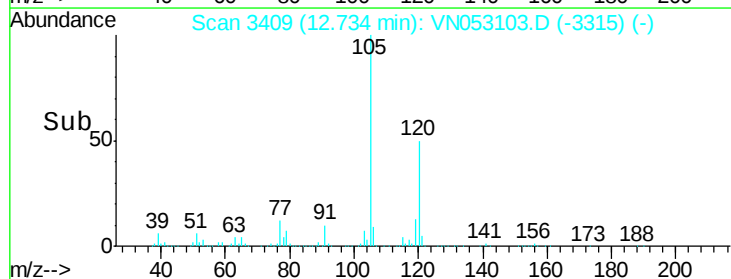
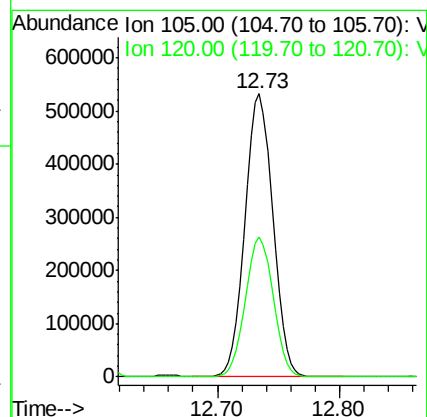
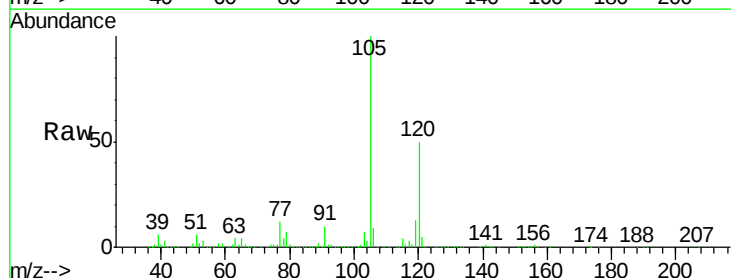
Acq: 21 Dec 2018 15:45

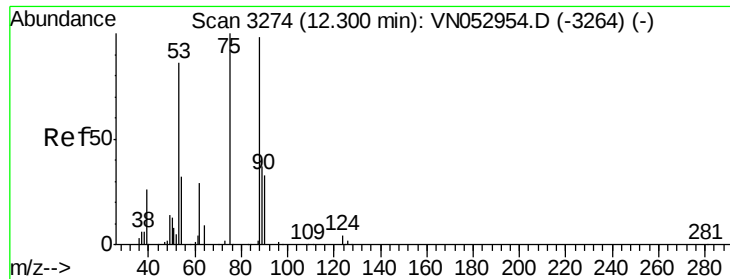
Tgt Ion: 105 Resp: 837111

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.588 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

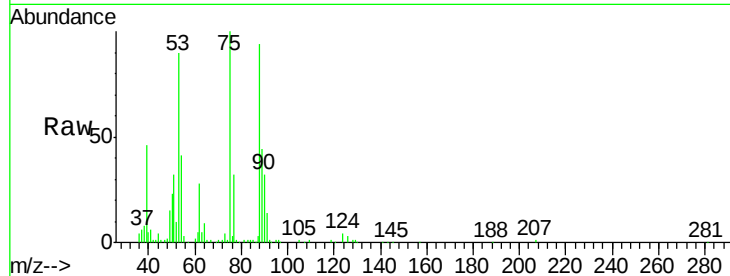
Tgt Ion: 75 Resp: 67398

Ion Ratio Lower Upper

75 100

53 94.7 74.7 112.1

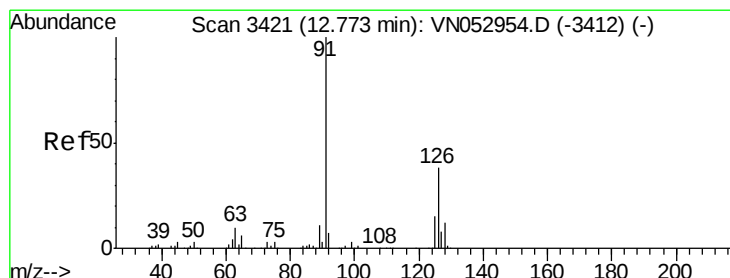
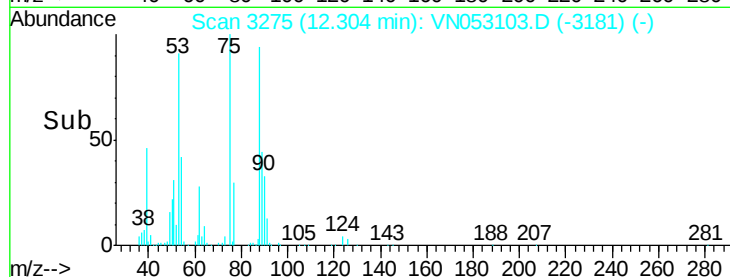
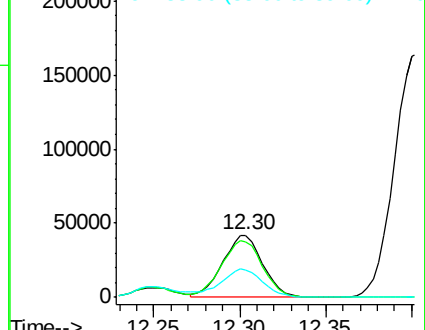
89 48.5 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.835 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053103.D

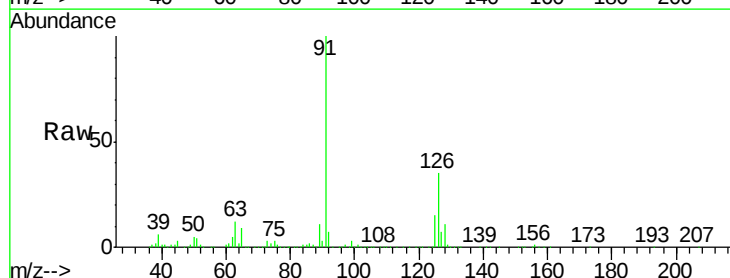
Acq: 21 Dec 2018 15:45

Tgt Ion: 91 Resp: 706564

Ion Ratio Lower Upper

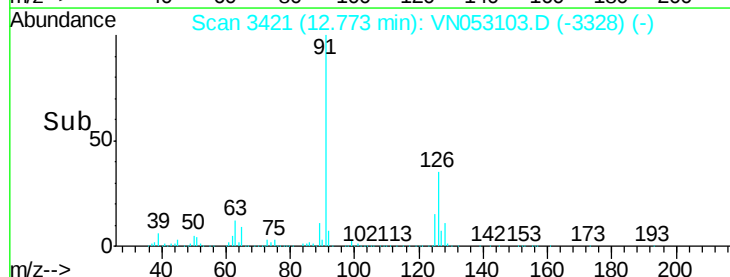
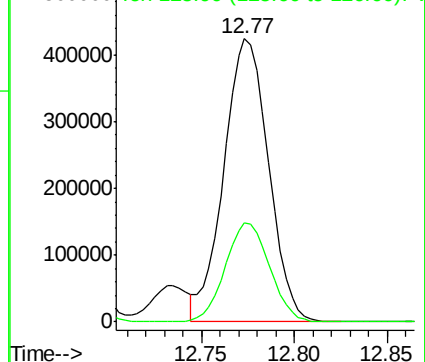
91 100

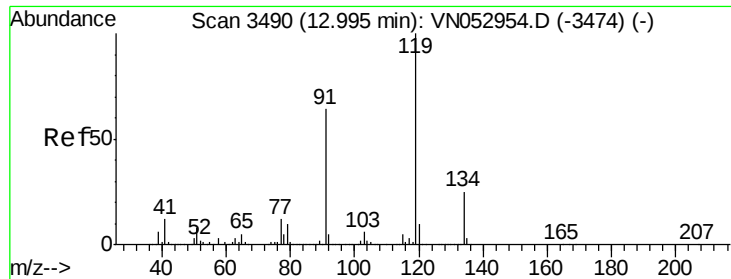
126 34.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

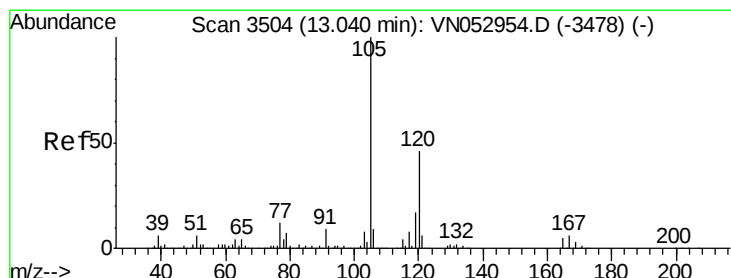
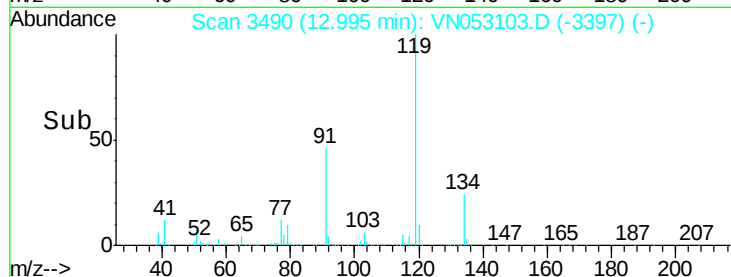
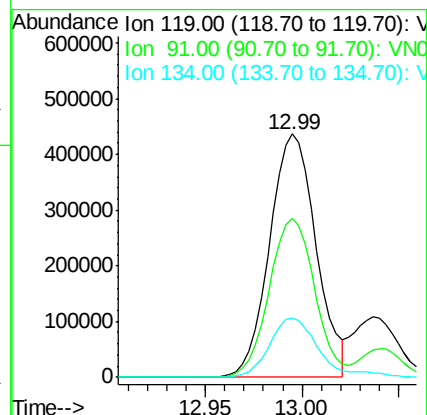
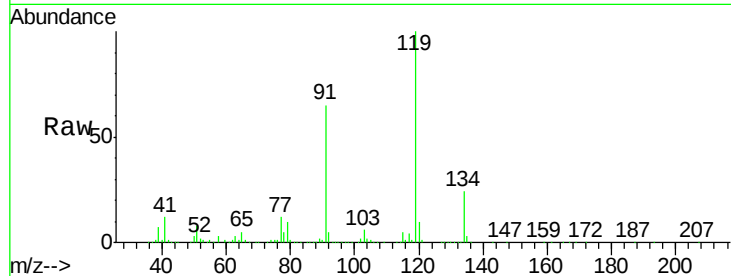




#83
 tert-Butylbenzene
 Concen: 19.569 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

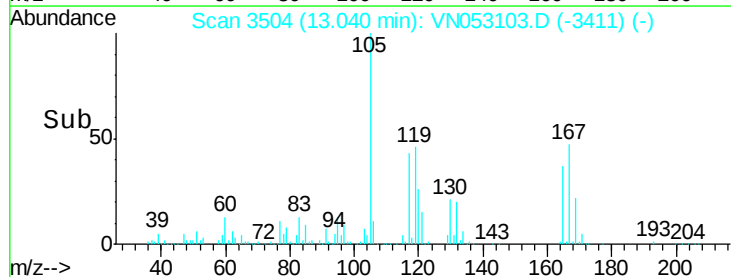
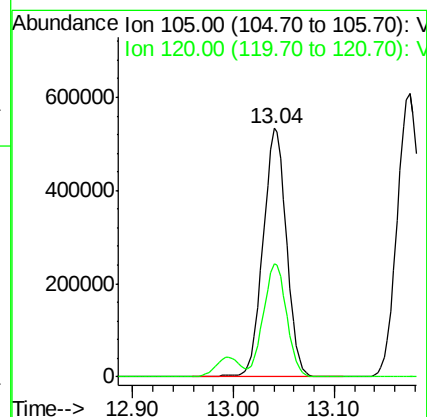
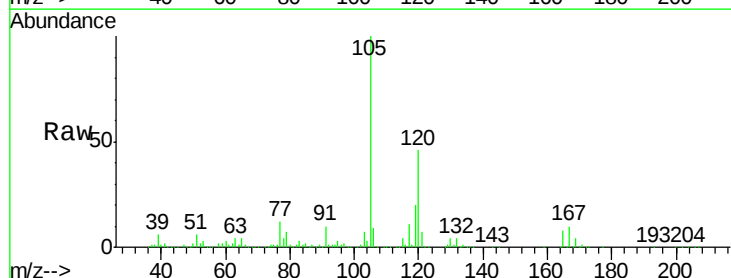
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

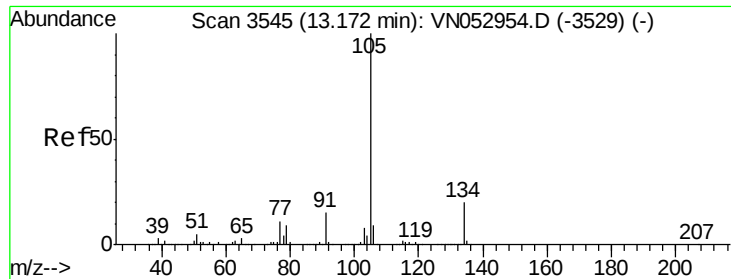
Tgt Ion:119 Resp: 727143
 Ion Ratio Lower Upper
 119 100
 91 64.3 31.9 95.5
 134 26.1 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.232 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion:105 Resp: 854535
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8

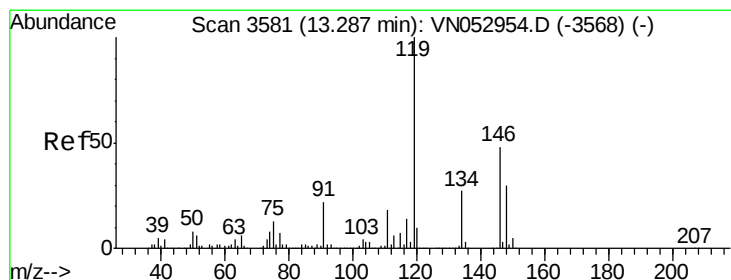
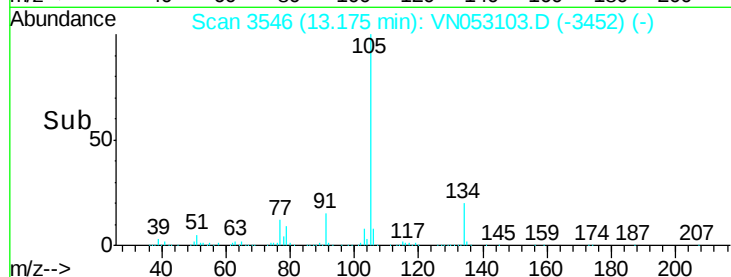
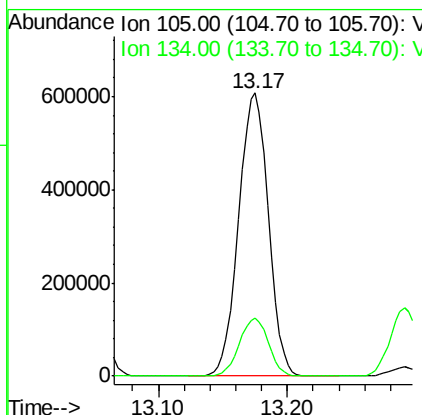
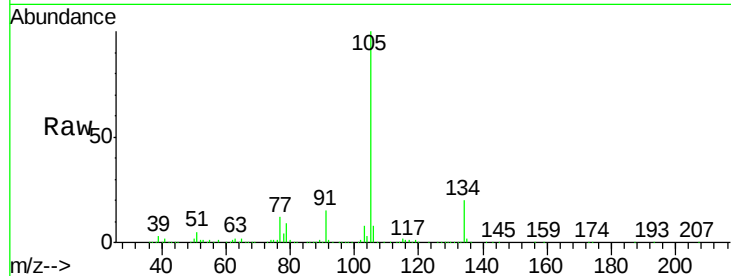




#85
 sec-Butylbenzene
 Concen: 19.364 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

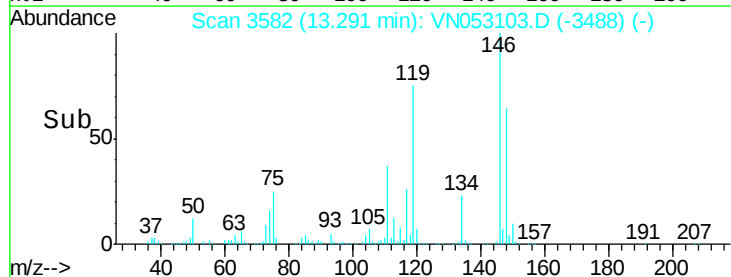
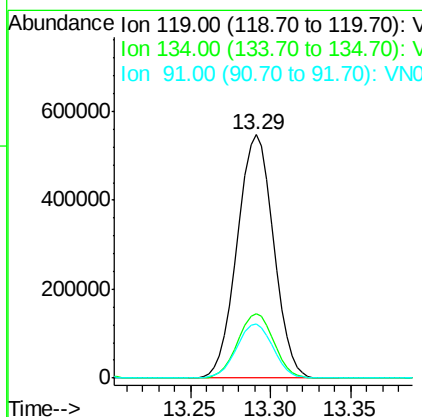
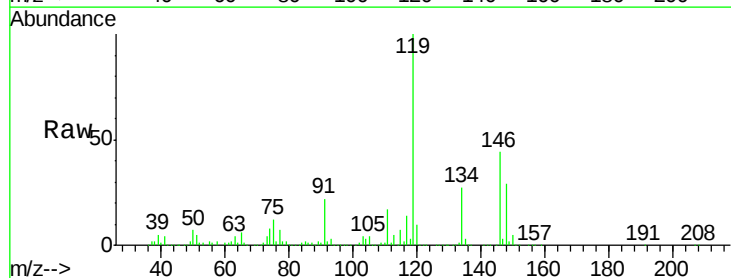
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

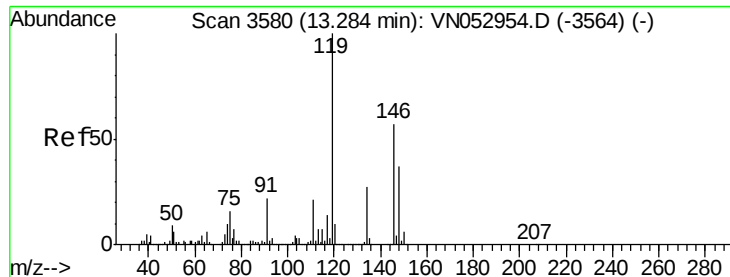
Tgt Ion:105 Resp: 973240
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 19.453 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion:119 Resp: 844810
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 22.1 11.1 33.3

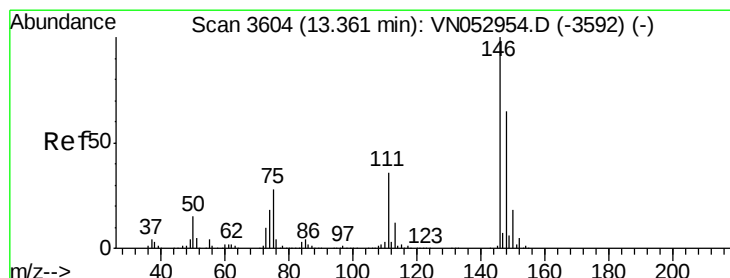
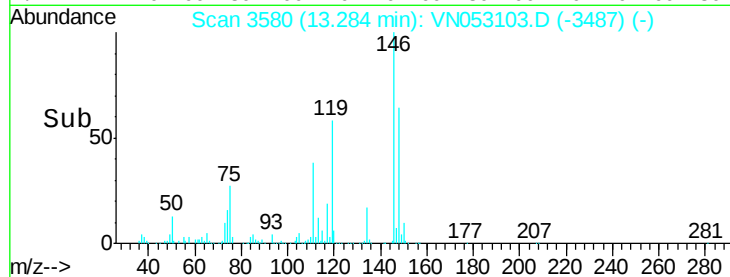
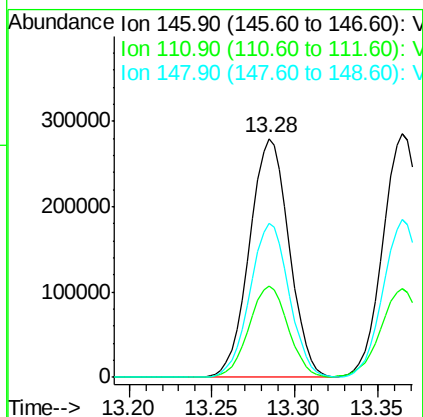
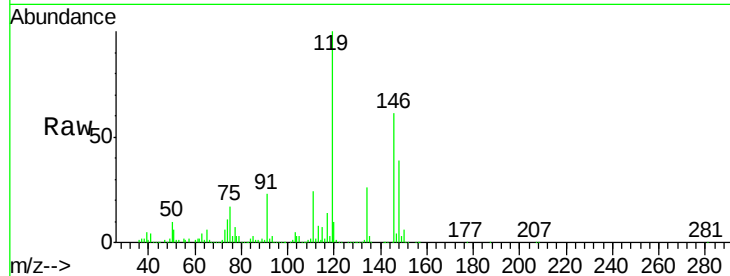




#87
 1,3-Dichlorobenzene
 Concen: 19.705 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

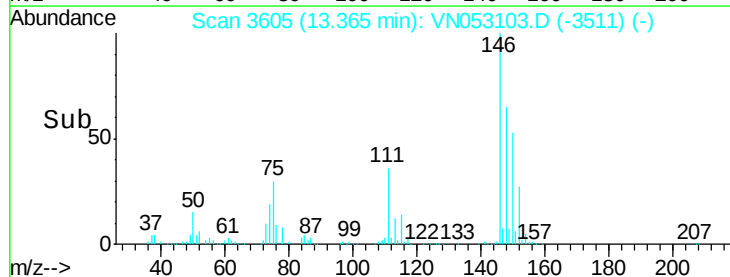
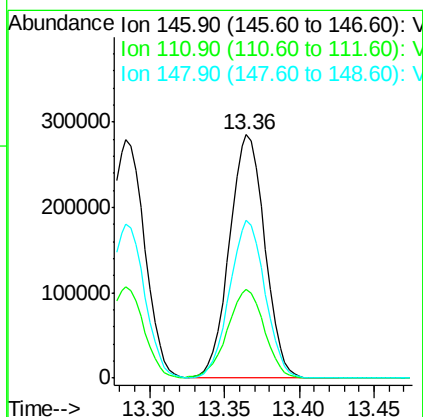
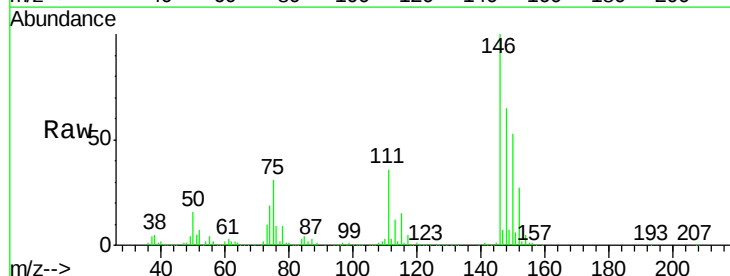
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

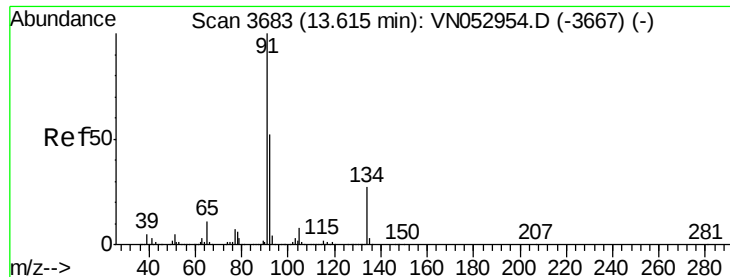
Tgt Ion:146 Resp: 467286
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.534 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion:146 Resp: 469122
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 18.149 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

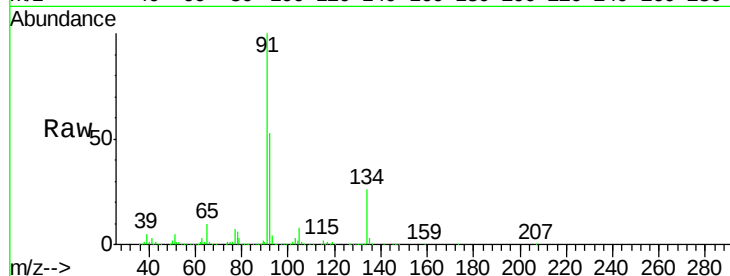
Tgt Ion: 91 Resp: 678087

Ion Ratio Lower Upper

91 100

92 53.1 26.3 78.9

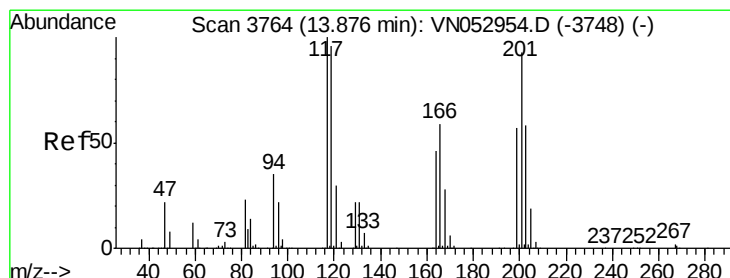
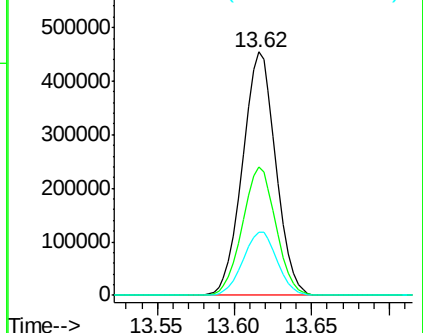
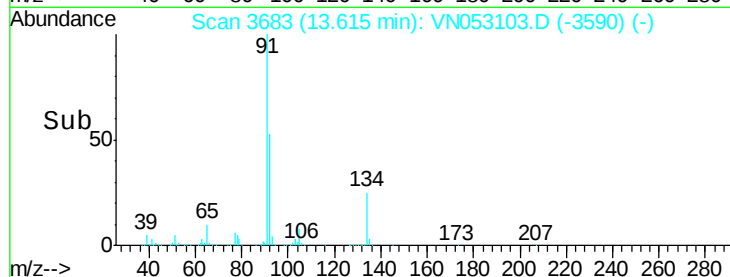
134 26.8 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053103.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053103.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053103.D (-3590) (-)



#90

Hexachloroethane

Concen: 18.401 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053103.D

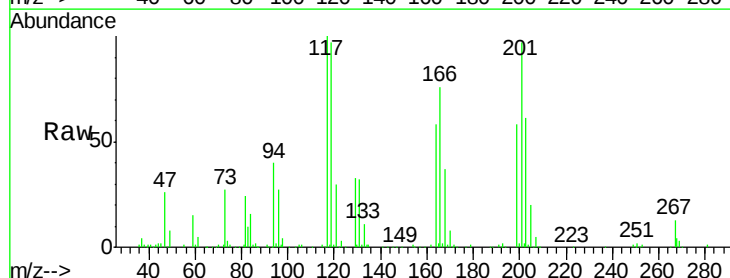
Acq: 21 Dec 2018 15:45

Tgt Ion: 117 Resp: 122634

Ion Ratio Lower Upper

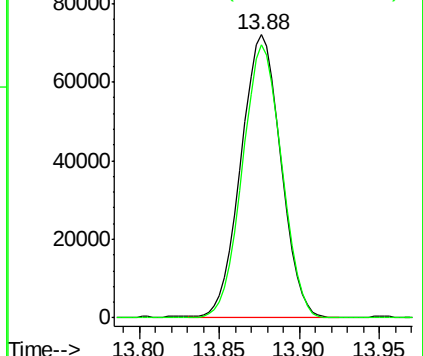
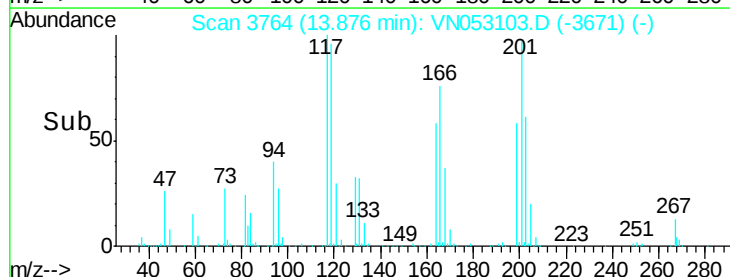
117 100

201 94.8 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053103.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053103.D (-3671) (-)

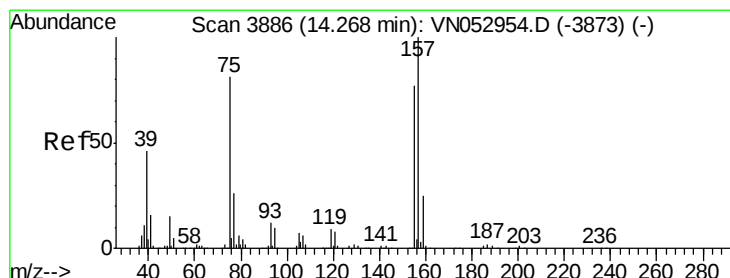
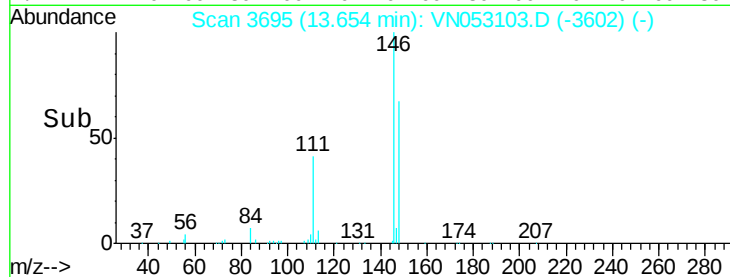
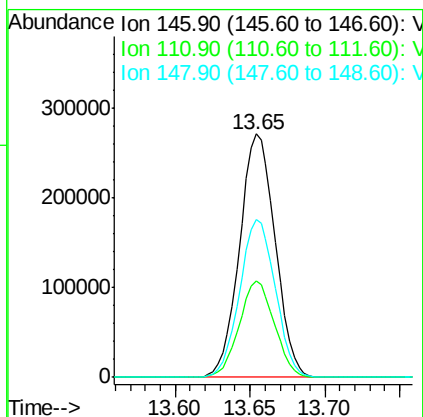
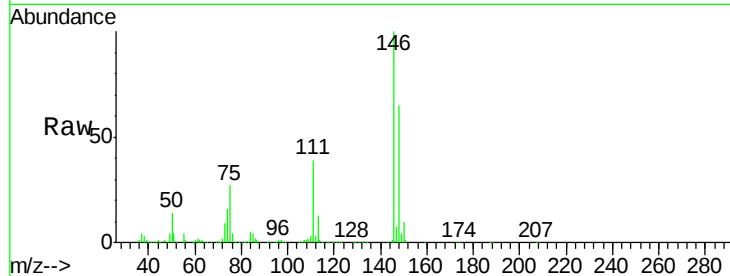




#91
 1,2-Dichlorobenzene
 Concen: 20.148 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

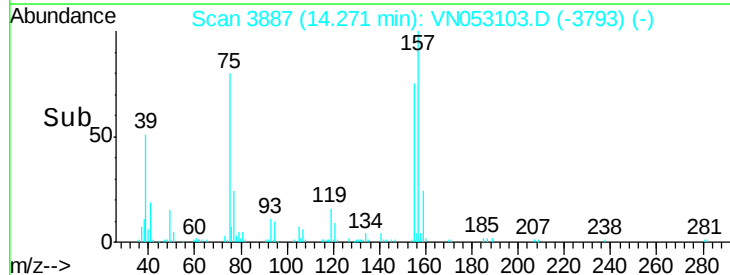
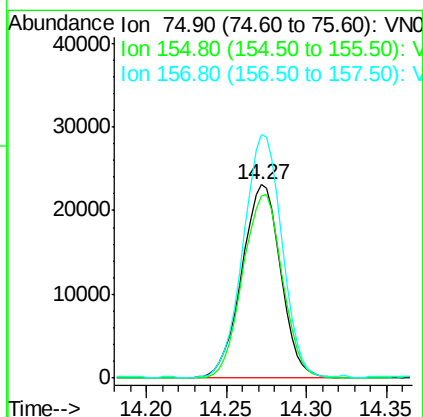
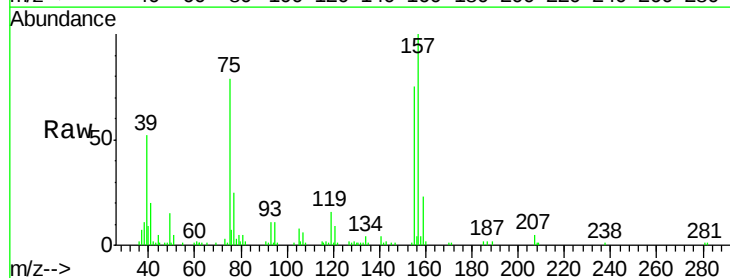
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

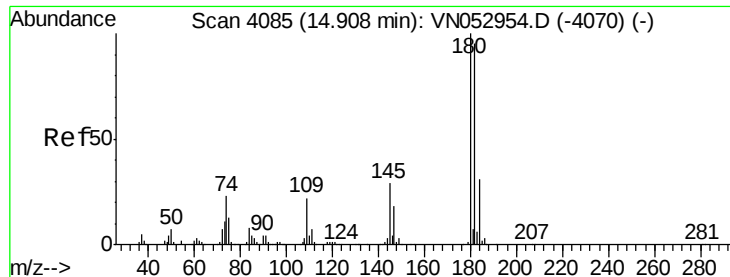
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.078 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.2	144.6
157	125.4	61.2	183.5

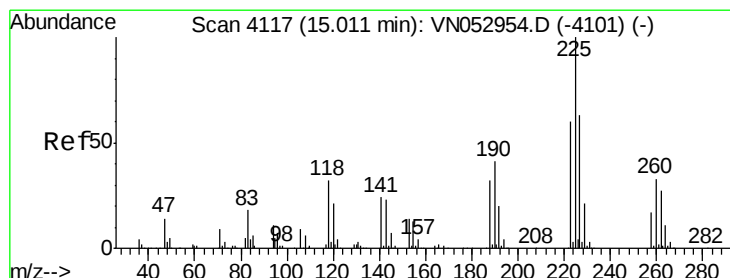
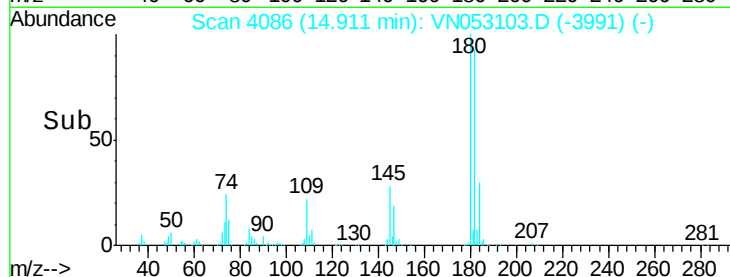
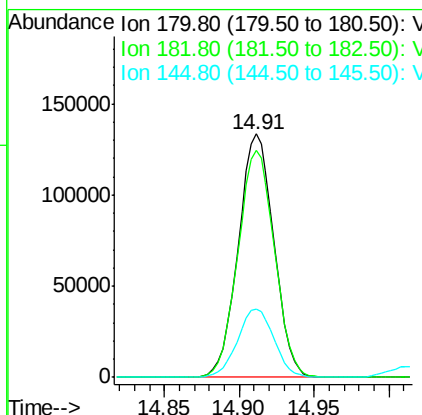
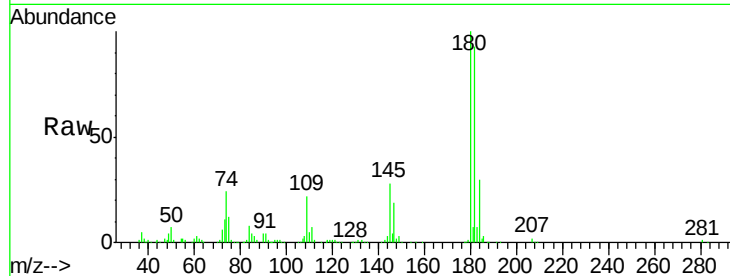




#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

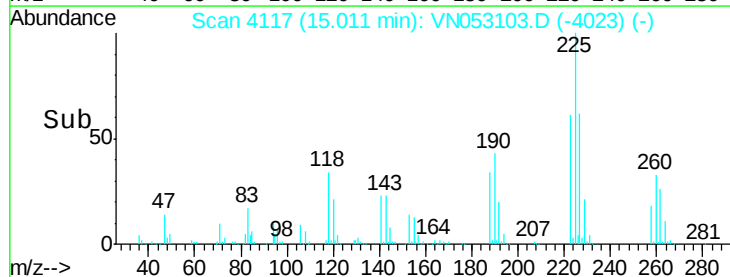
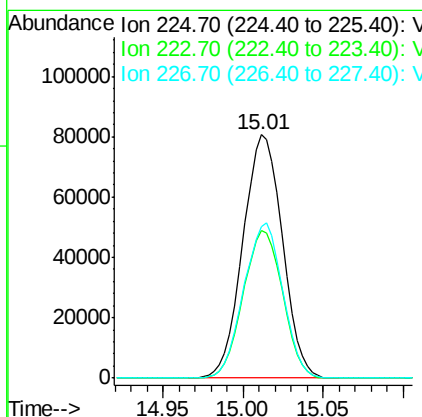
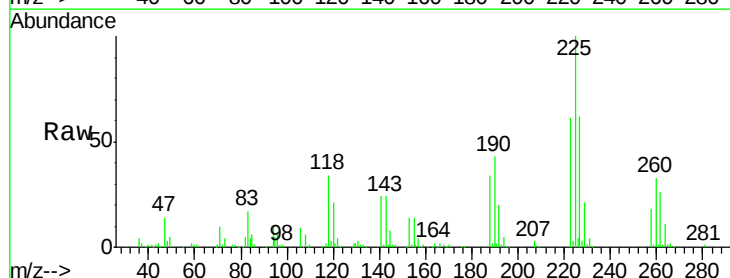
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

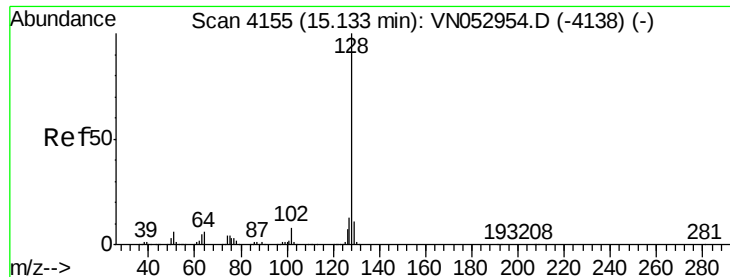
Tgt Ion:180 Resp: 220834
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 28.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 20.594 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion:225 Resp: 136426
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.5 94.5
 227 62.8 31.9 95.7

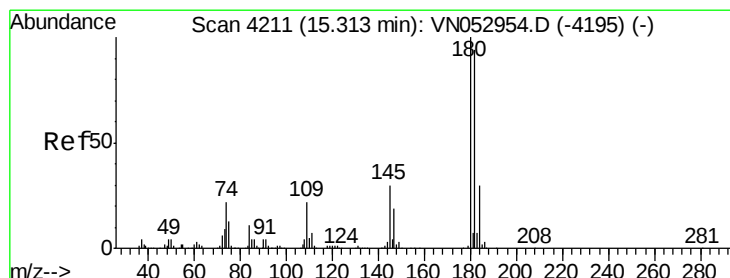
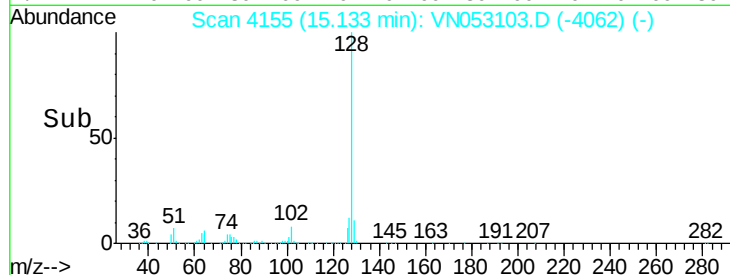
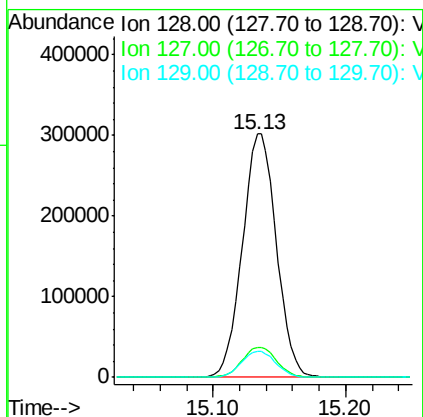
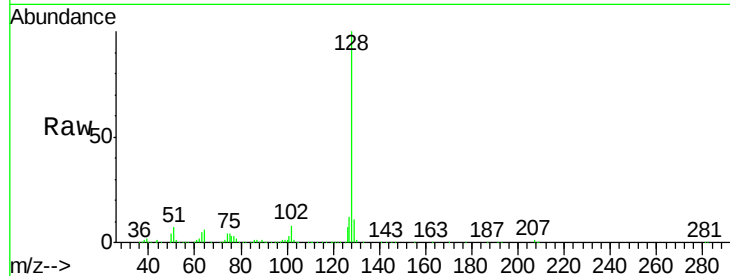




#95
Naphthalene
Concen: 21.298 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion:128 Resp: 534222
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.713 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:180 Resp: 206597
Ion Ratio Lower Upper
180 100
182 94.7 47.9 143.7
145 30.6 15.0 45.0

