

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053297.D
 Acq On : 7 Jan 2019 11:54
 Operator : MD\SY
 Sample : VN0107WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

Quant Time: Jan 08 01:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	910400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1378289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1263154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	595991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	469833	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	393028	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.09	98	1702566	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	600571	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	165067	20.566	ug/l	98
3) Chloromethane	2.06	50	226134	20.176	ug/l	99
4) Vinyl Chloride	2.19	62	213670	19.973	ug/l	100
5) Bromomethane	2.56	94	144576	20.682	ug/l	99
6) Chloroethane	2.70	64	128304	19.870	ug/l	99
7) Trichlorofluoromethane	3.02	101	274068	19.779	ug/l	99
8) Diethyl Ether	3.41	74	107709	19.832	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	170208	19.381	ug/l	99
10) Methyl Iodide	3.96	142	250901	20.382	ug/l	100
11) Tert butyl alcohol	4.78	59	53698	94.258	ug/l	100
12) 1,1-Dichloroethene	3.74	96	168185	19.799	ug/l	97
13) Acrolein	3.61	56	67629	94.415	ug/l	100
14) Allyl chloride	4.33	41	261060	19.068	ug/l	99
15) Acrylonitrile	4.99	53	333883	98.177	ug/l	99
16) Acetone	3.82	43	238667	103.389	ug/l	98
17) Carbon Disulfide	4.06	76	508614	19.421	ug/l	99
18) Methyl Acetate	4.32	43	155568	18.148	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	473775	19.872	ug/l	99
20) Methylene Chloride	4.55	84	194992	19.168	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	180117	19.748	ug/l	100
22) Diisopropyl ether	5.95	45	586222	19.875	ug/l	99
23) Vinyl Acetate	5.90	43	1880420	101.324	ug/l	100
24) 1,1-Dichloroethane	5.85	63	333185	19.586	ug/l	99
25) 2-Butanone	6.83	43	377828	97.233	ug/l	98
26) 2,2-Dichloropropane	6.83	77	246794	19.847	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	203641	19.551	ug/l	98
28) Bromochloromethane	7.20	49	153034	21.111	ug/l	100
29) Tetrahydrofuran	7.21	42	253331	98.792	ug/l	99
30) Chloroform	7.37	83	328820	19.639	ug/l	99
31) Cyclohexane	7.66	56	324759	19.973	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	271761	19.478	ug/l	99
36) 1,1-Dichloropropene	7.79	75	254403	19.771	ug/l	99
37) Ethyl Acetate	6.93	43	168488	20.103	ug/l	99
38) Carbon Tetrachloride	7.78	117	237408	19.990	ug/l	98

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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	297365	19.948	ug/l	99
40) Benzene	8.04	78	783612	19.937	ug/l	99
41) Methacrylonitrile	7.18	41	95114	18.279	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	228145	19.569	ug/l	98
43) Isopropyl Acetate	8.17	43	308011	18.681	ug/l	99
44) Trichloroethene	8.84	130	213189	19.754	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205803	19.964	ug/l	99
46) Dibromomethane	9.21	93	121176	20.160	ug/l	100
47) Bromodichloromethane	9.40	83	249305	19.903	ug/l	99
48) Methyl methacrylate	9.20	41	148420	19.814	ug/l	99
49) 1,4-Dioxane	9.20	88	29901	374.664	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	849230	102.422	ug/l	99
52) Toluene	10.16	92	485539	20.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	254845	19.888	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	302006	20.396	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	174409	19.671	ug/l	99
56) Ethyl methacrylate	10.43	69	235332	20.425	ug/l	99
57) 1,3-Dichloropropane	10.71	76	302205	20.382	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	619910	99.520	ug/l	100
59) 2-Hexanone	10.75	43	584274	102.847	ug/l	100
60) Dibromochloromethane	10.90	129	193226	20.205	ug/l	99
61) 1,2-Dibromoethane	11.01	107	175959	20.111	ug/l	98
64) Tetrachloroethene	10.63	164	222131	18.684	ug/l	99
65) Chlorobenzene	11.43	112	544844	19.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	189610	19.742	ug/l	99
67) Ethyl Benzene	11.51	91	927864	19.900	ug/l	99
68) m/p-Xylenes	11.62	106	711324	40.570	ug/l	99
69) o-Xylene	11.95	106	345998	20.157	ug/l	100
70) Styrene	11.96	104	567166	20.302	ug/l	100
71) Bromoform	12.13	173	135103	19.915	ug/l	98
73) Isopropylbenzene	12.25	105	915917	20.641	ug/l	100
74) N-amyl acetate	12.07	43	275315	20.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206969	20.276	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	276120	31.764	ug/l #	100
77) Bromobenzene	12.53	156	240030	20.268	ug/l	99
78) n-propylbenzene	12.59	91	1033982	20.600	ug/l	100
79) 2-Chlorotoluene	12.67	91	616773	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	740318	20.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62279	21.079	ug/l	96
82) 4-Chlorotoluene	12.77	91	624991	20.069	ug/l	100
83) tert-Butylbenzene	12.99	119	642235	20.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	749618	20.586	ug/l	99
85) sec-Butylbenzene	13.17	105	856332	20.706	ug/l	99
86) p-Isopropyltoluene	13.29	119	740210	20.672	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	410934	19.704	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	408485	19.745	ug/l	99
89) n-Butylbenzene	13.62	91	600939	20.017	ug/l	100
90) Hexachloroethane	13.88	117	116980	20.382	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	392549	20.094	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26057	21.046	ug/l	97

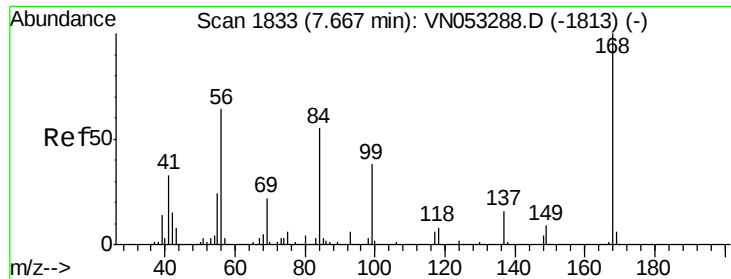
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125088	20.365	ug/l	98
94) Hexachlorobutadiene	15.01	225	107194	21.336	ug/l	97
95) Naphthalene	15.13	128	217905	20.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	79632	19.801	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: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

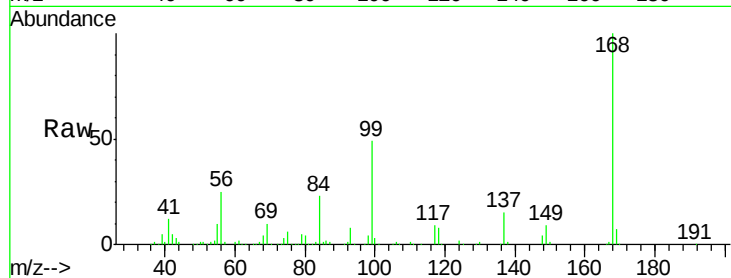
VN0107WBS01

Tot Ion:168 Resp: 910400

Ion Ratio Lower Upper

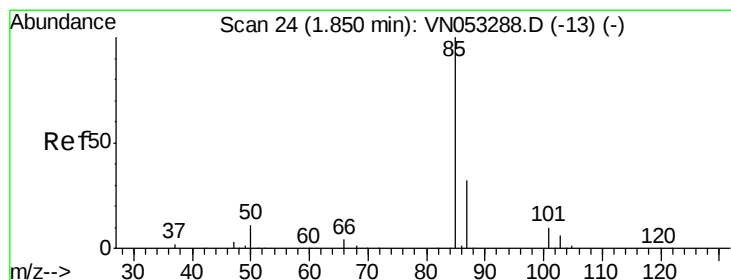
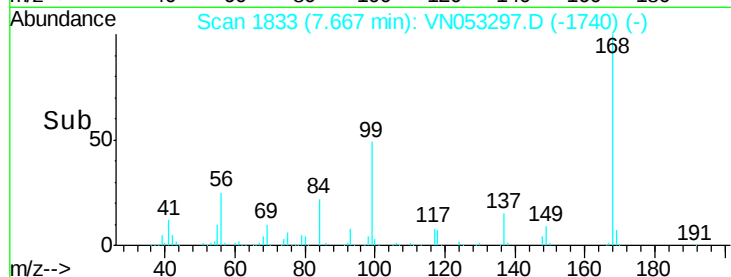
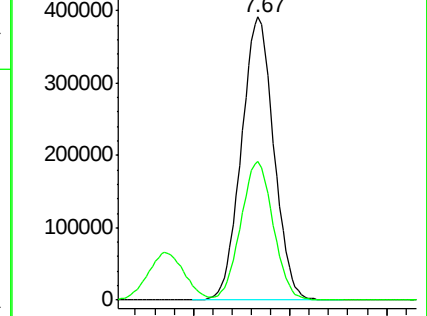
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.566 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053297.D

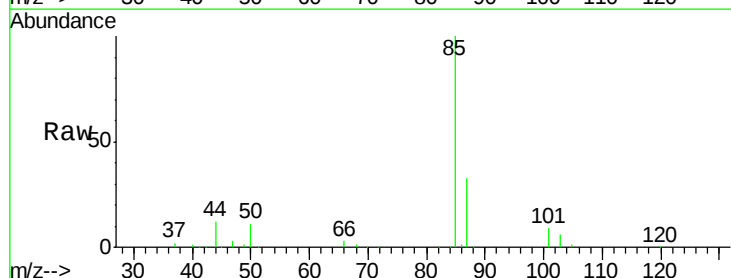
Acq: 7 Jan 2019 11:54

Tgt Ion: 85 Resp: 165067

Ion Ratio Lower Upper

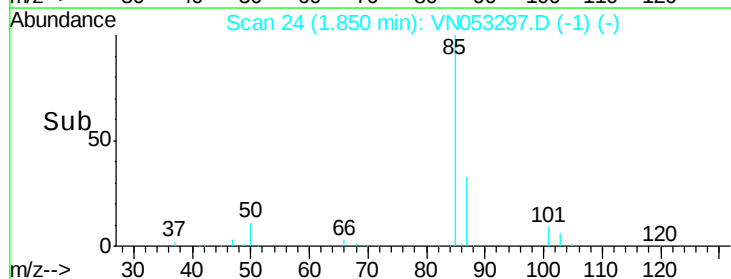
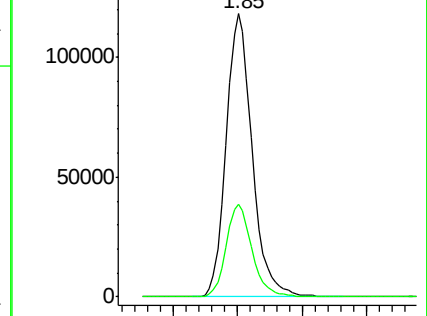
85 100

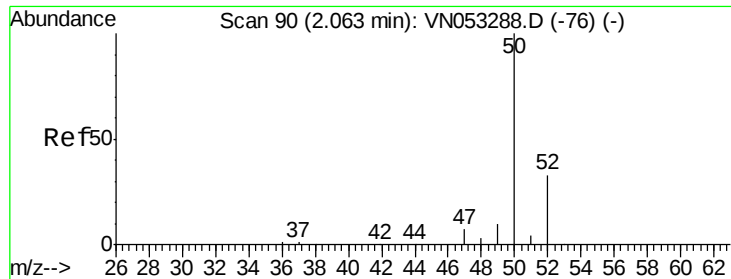
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.176 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

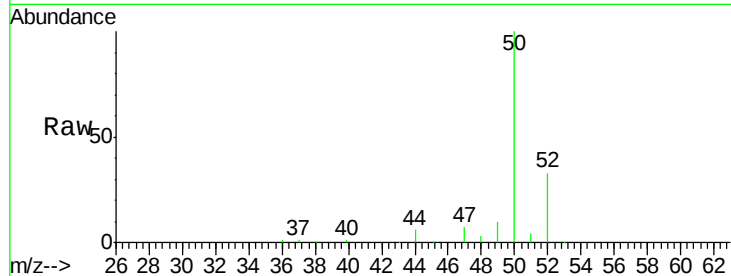
VN0107WBS01

Tot Ion: 50 Resp: 226134

Ion Ratio Lower Upper

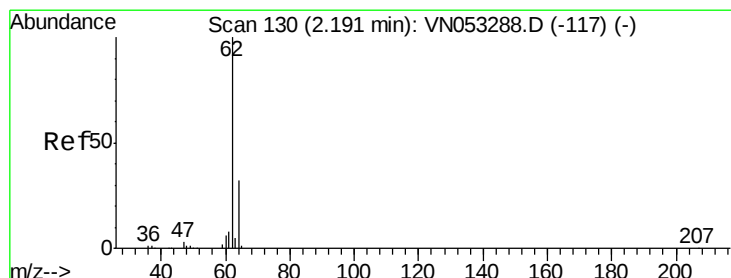
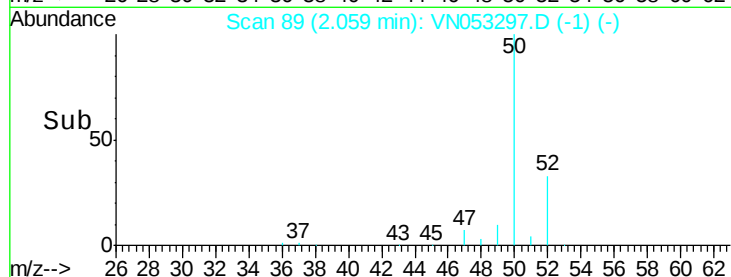
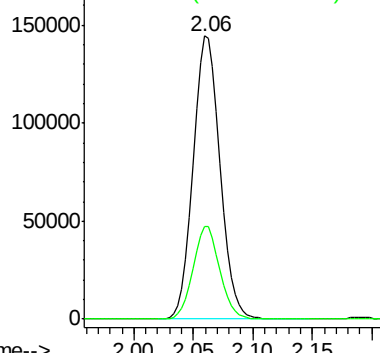
50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.973 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053297.D

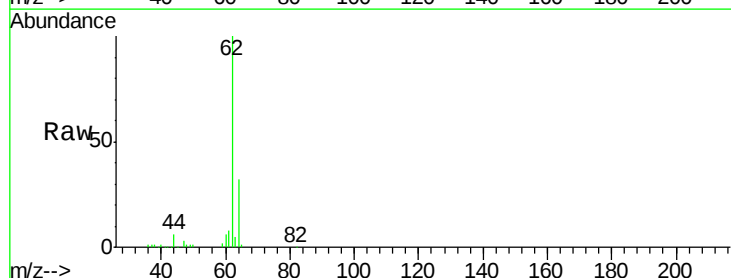
Acq: 7 Jan 2019 11:54

Tgt Ion: 62 Resp: 213670

Ion Ratio Lower Upper

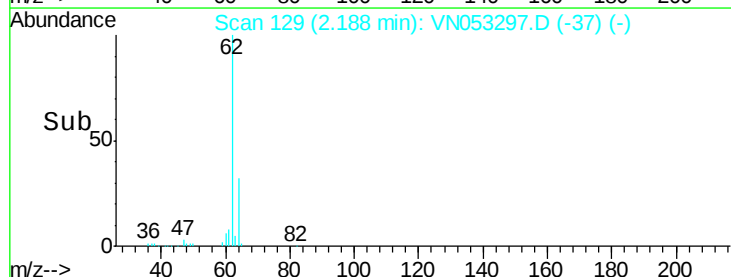
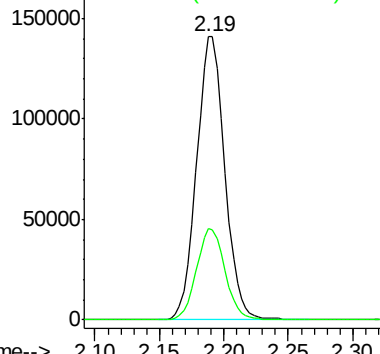
62 100

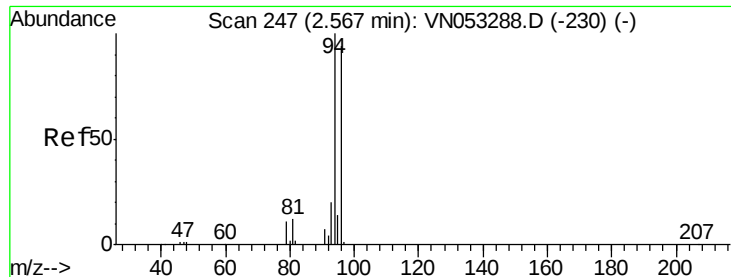
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.682 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

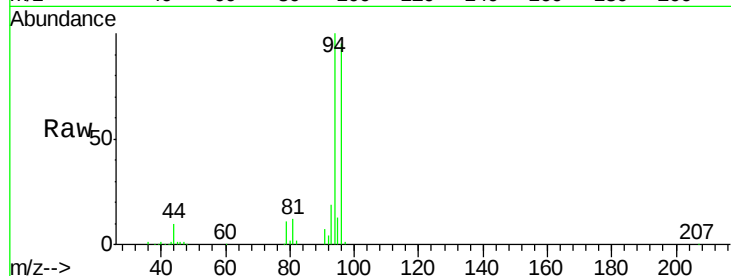
VN0107WBS01

Tot Ion: 94 Resp: 144576

Ion Ratio Lower Upper

94 100

96 94.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

80000

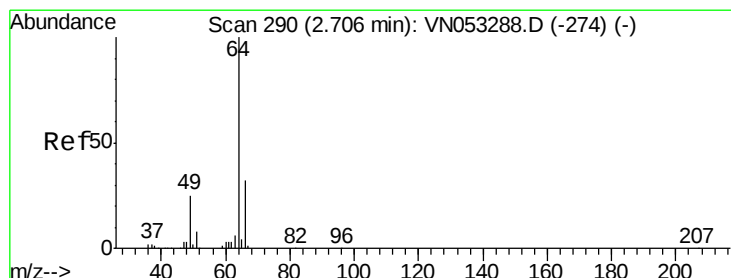
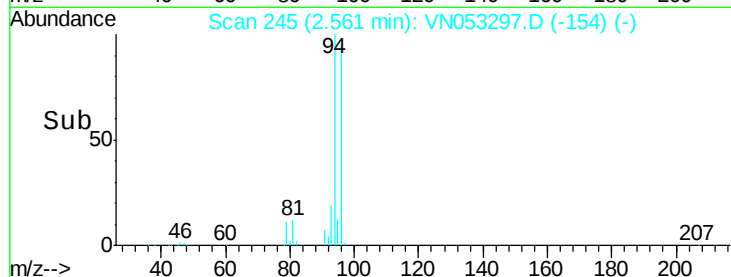
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.870 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN053297.D

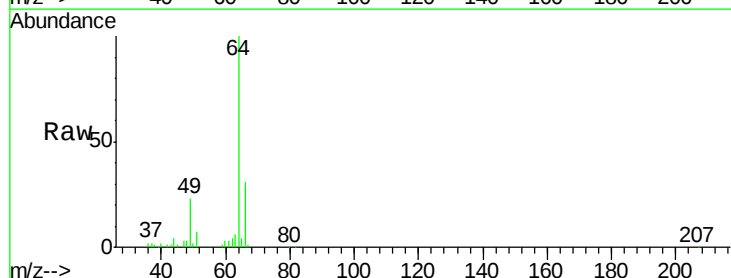
Acq: 7 Jan 2019 11:54

Tgt Ion: 64 Resp: 128304

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

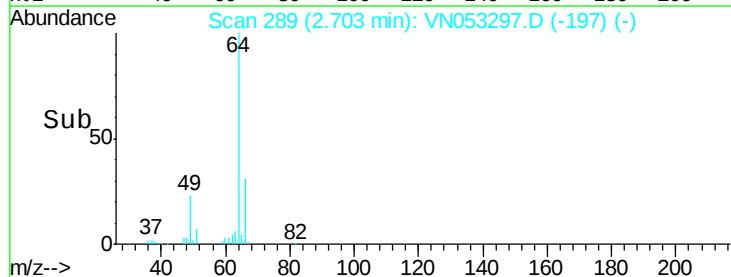
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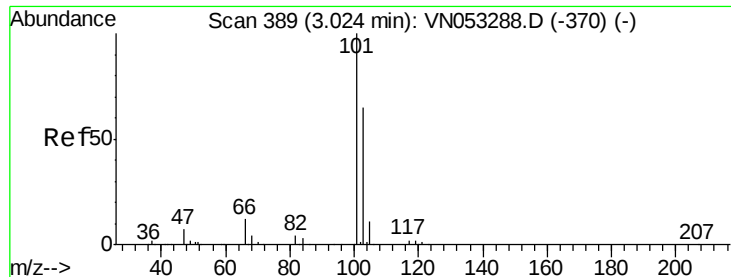
40000

20000

0

Time--> 2.60 2.70 2.80



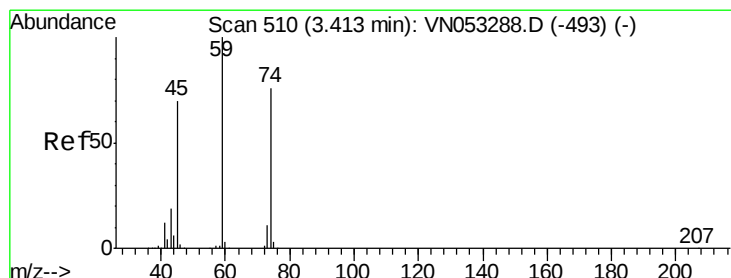
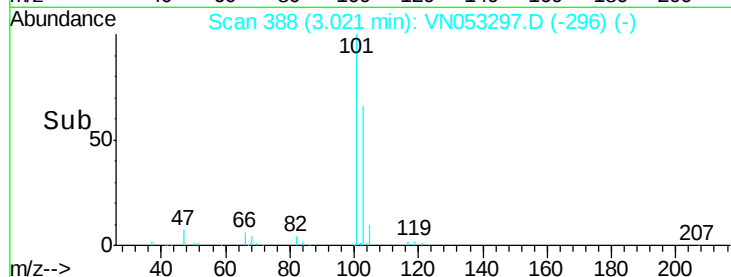
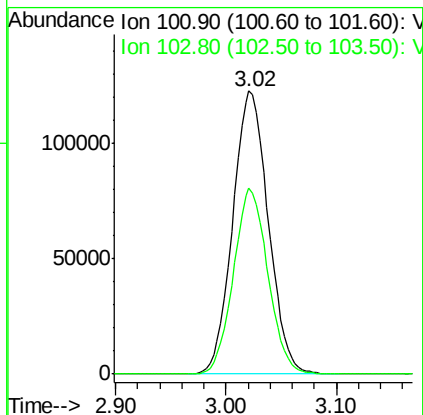
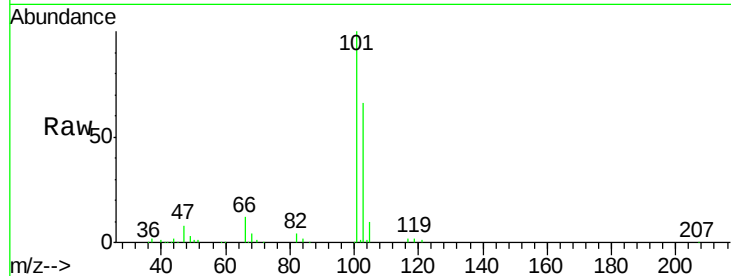


#7

Trichlorofluoromethane
 Concen: 19.779 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

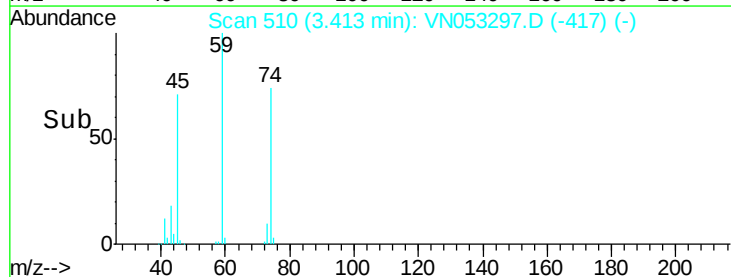
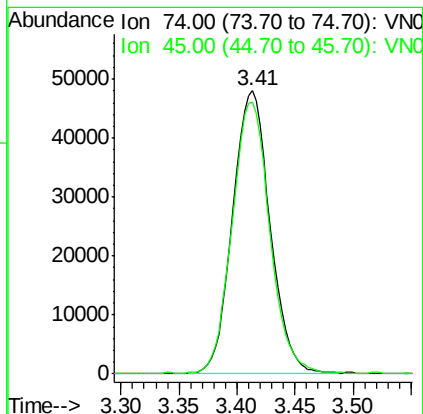
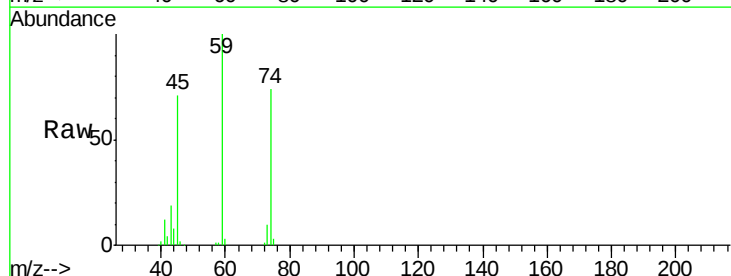
Tot Ion:101 Resp: 274068
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.1 78.1

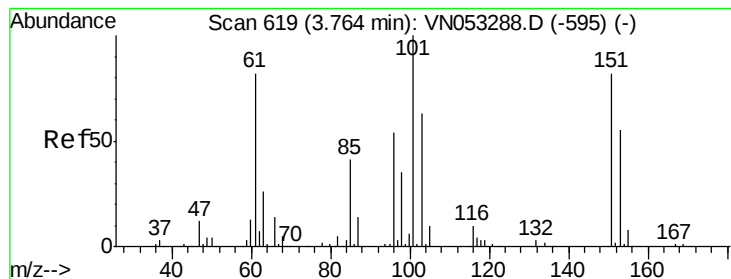


#8

Diethyl Ether
 Concen: 19.832 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 74 Resp: 107709
 Ion Ratio Lower Upper
 74 100
 45 97.0 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.381 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

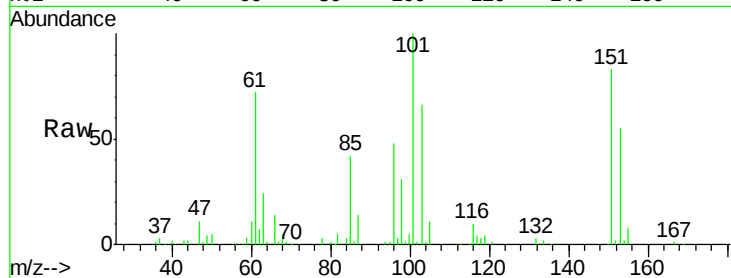
Tot Ion:101 Resp: 170208

Ion Ratio Lower Upper

101 100

85 42.0 33.3 49.9

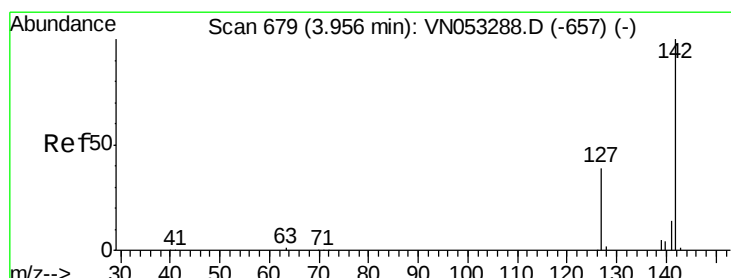
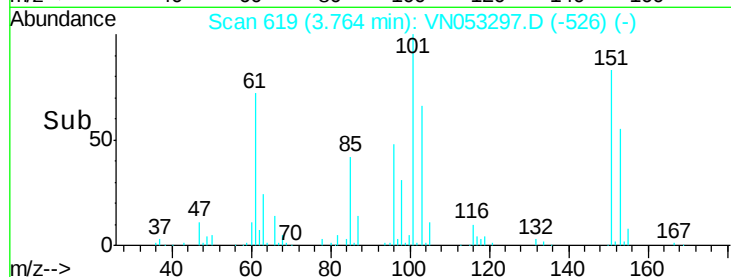
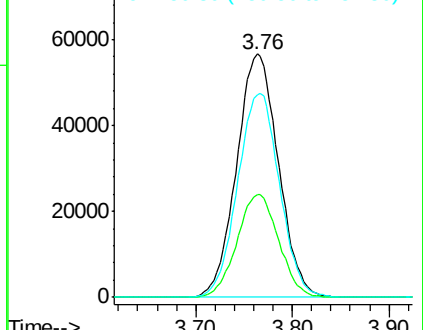
151 84.4 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN053297.D (-586) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.382 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

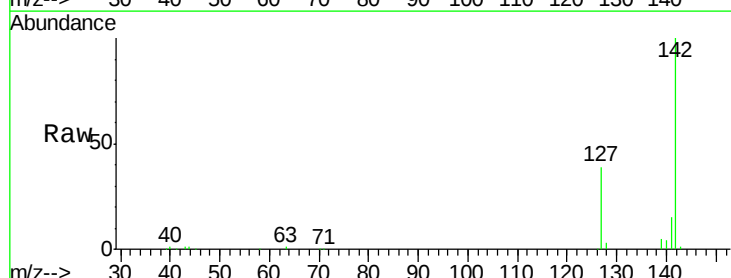
Tgt Ion:142 Resp: 250901

Ion Ratio Lower Upper

142 100

127 38.7 30.9 46.3

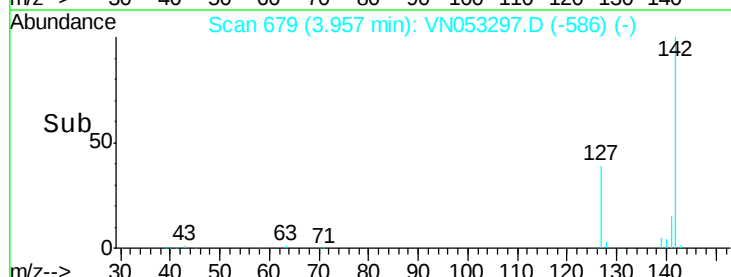
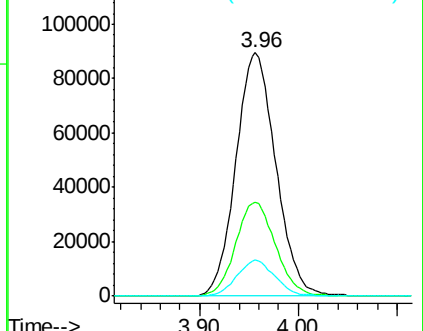
141 14.2 11.2 16.8

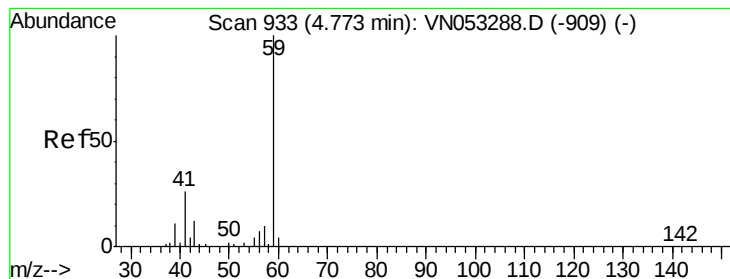


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



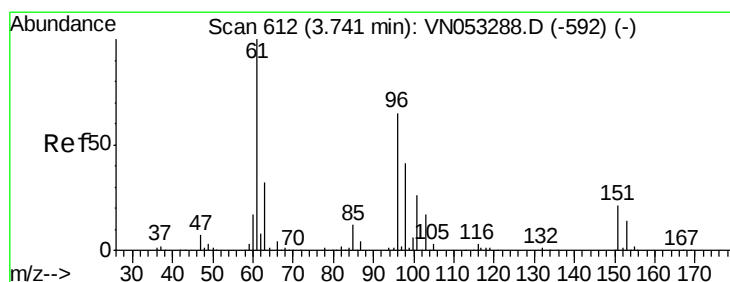
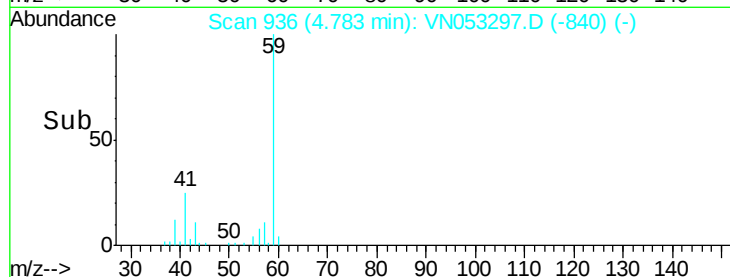
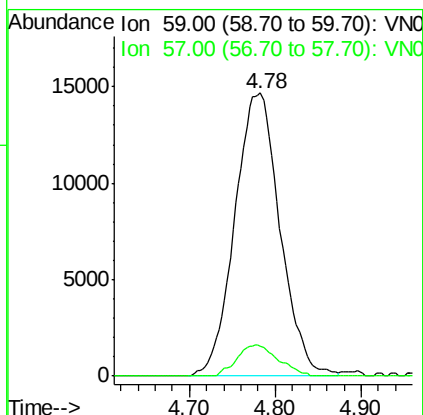
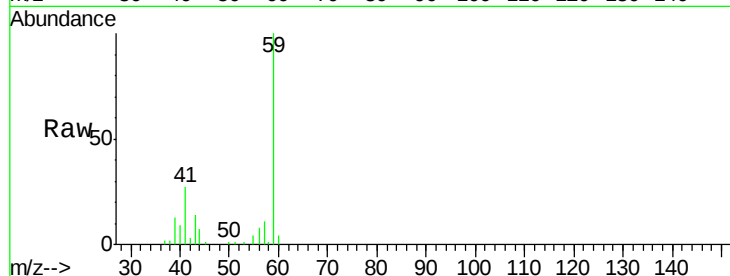


#11

Tert butyl alcohol
 Concen: 94.258 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

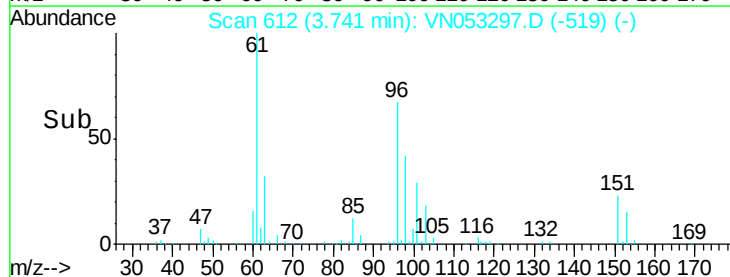
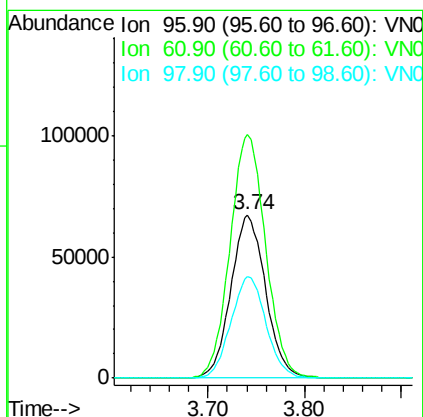
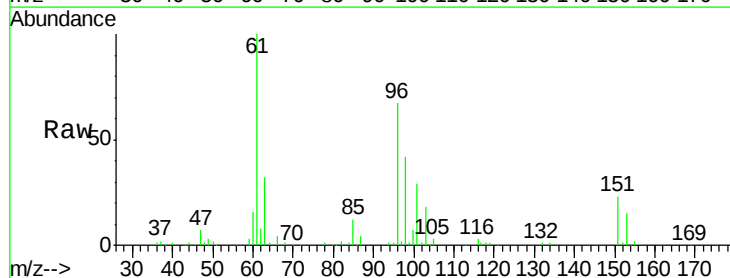
Tot Ion: 59 Resp: 53698
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

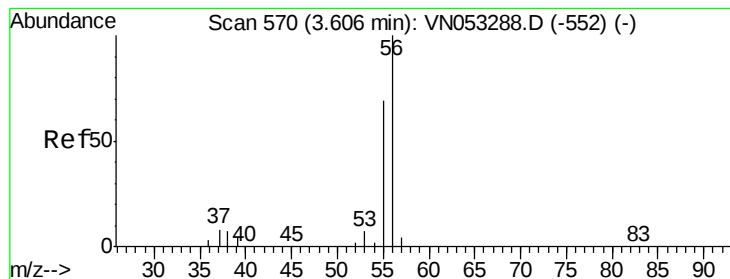


#12

1,1-Dichloroethene
 Concen: 19.799 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 96 Resp: 168185
 Ion Ratio Lower Upper
 96 100
 61 149.3 123.2 184.8
 98 62.6 50.5 75.7





#13

Acrolein

Concen: 94.415 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

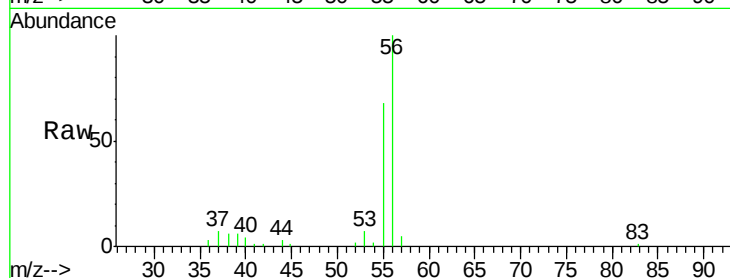
VN0107WBS01

Tot Ion: 56 Resp: 67629

Ion Ratio Lower Upper

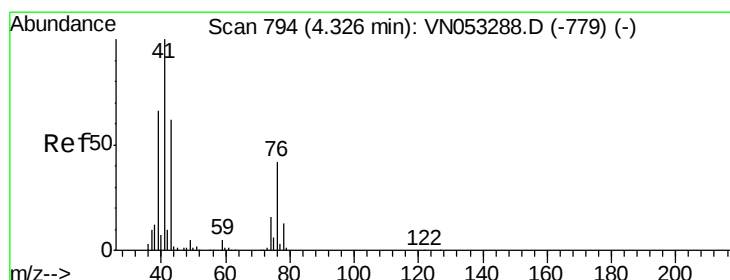
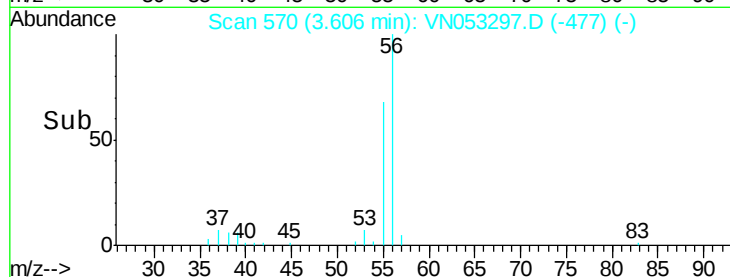
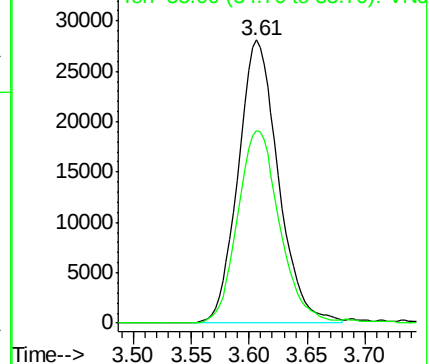
56 100

55 70.7 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.068 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

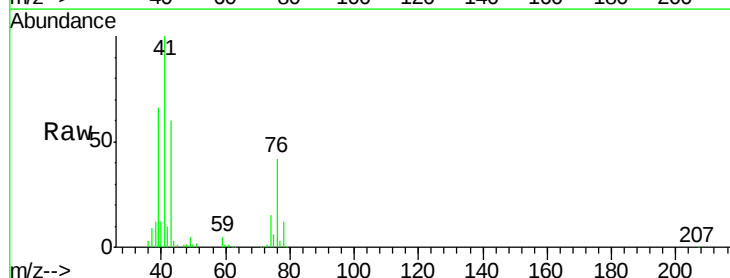
Tgt Ion: 41 Resp: 261060

Ion Ratio Lower Upper

41 100

39 65.3 51.9 77.9

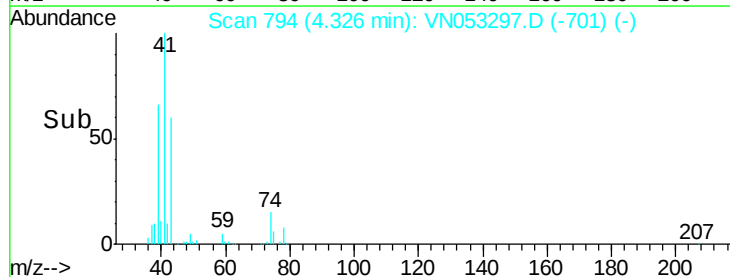
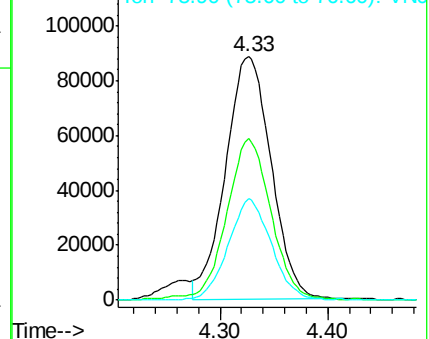
76 39.4 31.2 46.8

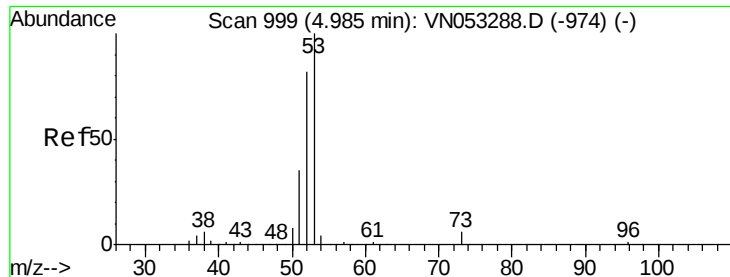


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 98.177 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

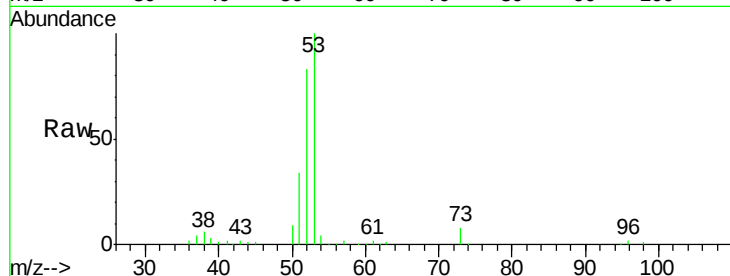
Tot Ion: 53 Resp: 333883

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

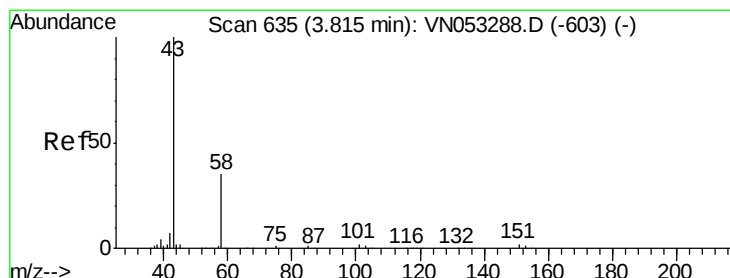
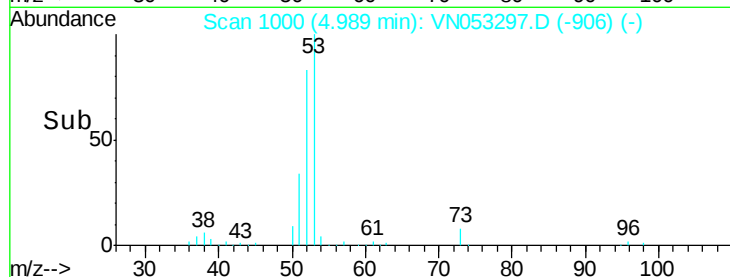
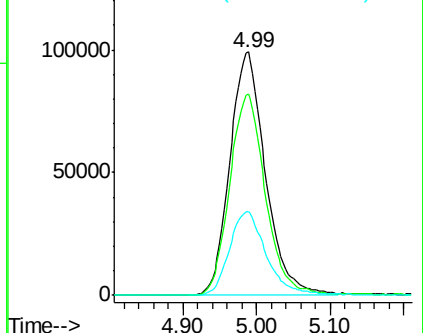
51 35.4 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 103.389 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053297.D

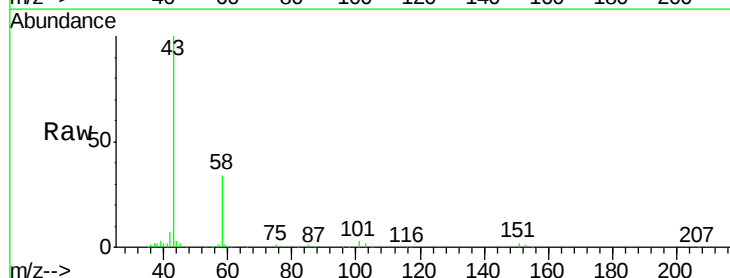
Acq: 7 Jan 2019 11:54

Tgt Ion: 43 Resp: 238667

Ion Ratio Lower Upper

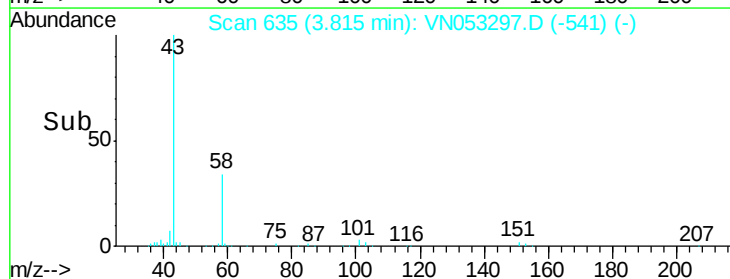
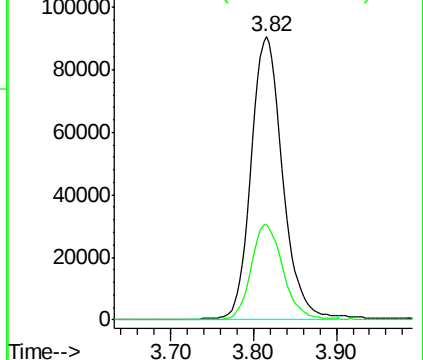
43 100

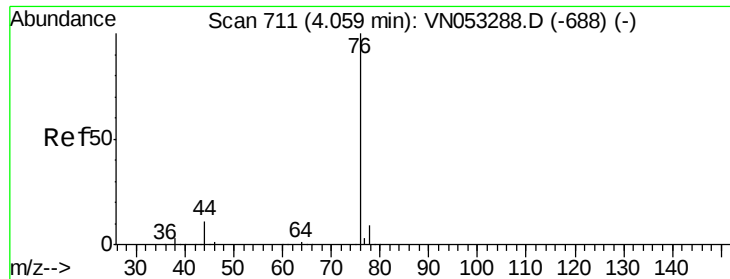
58 33.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

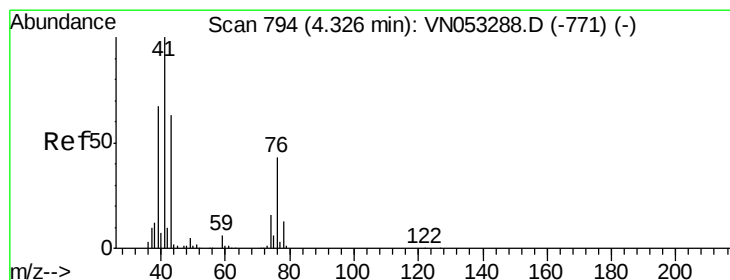
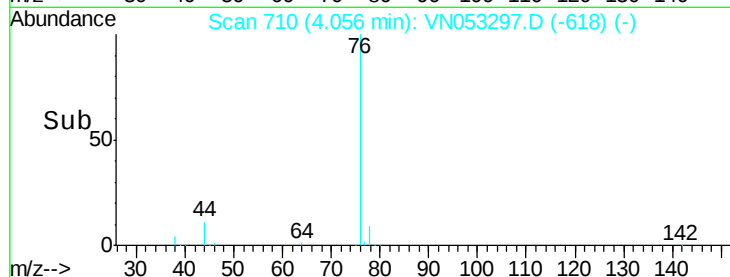
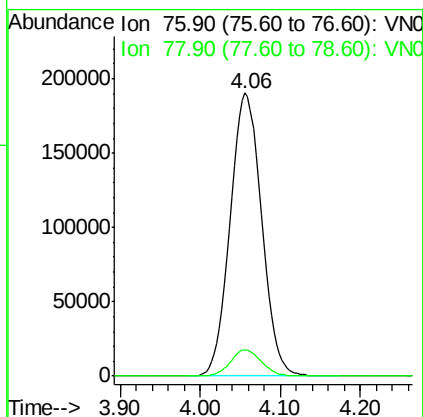
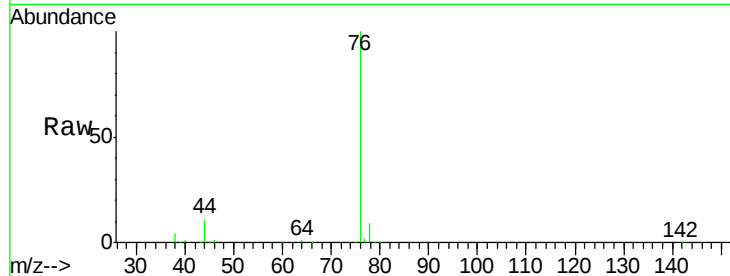




#17
Carbon Disulfide
Concen: 19.421 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

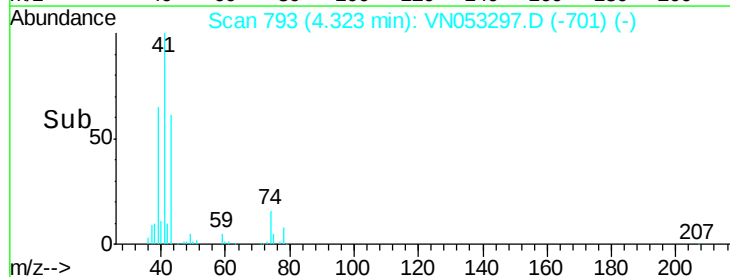
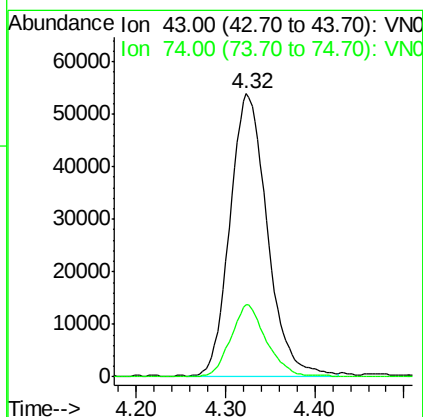
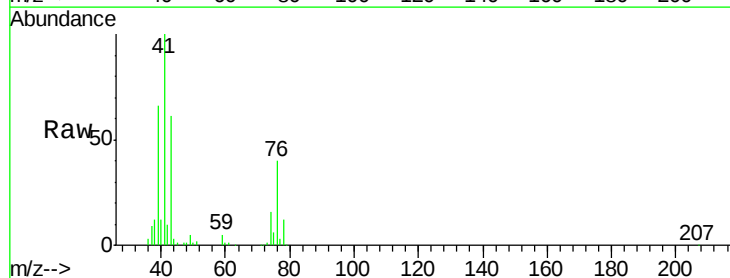
Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

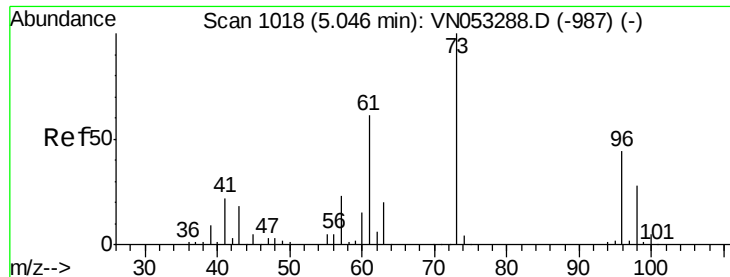
Tot Ion: 76 Resp: 508614
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 18.148 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 43 Resp: 155568
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.8

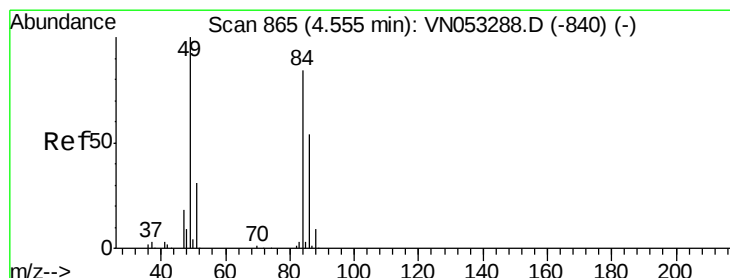
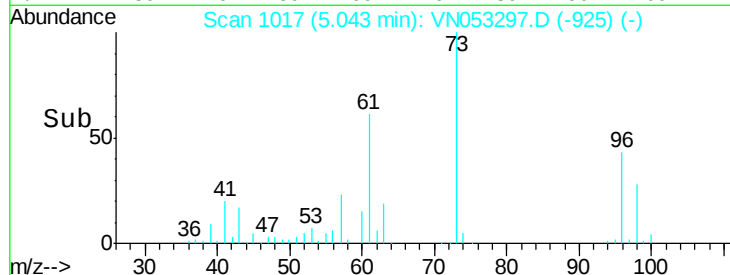
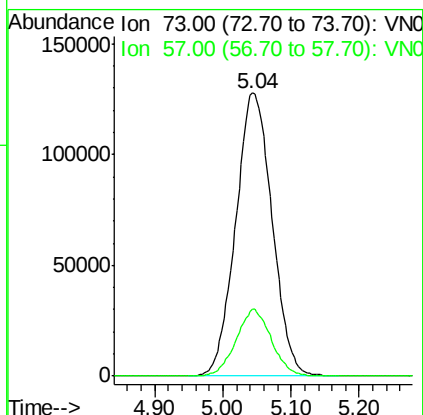
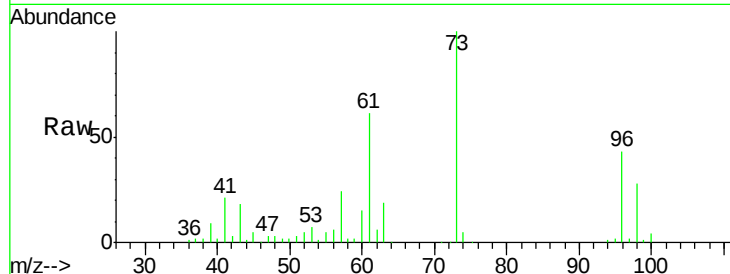




#19
Methyl tert-butyl Ether
Concen: 19.872 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

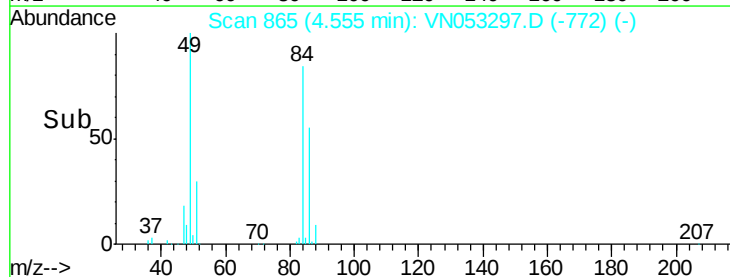
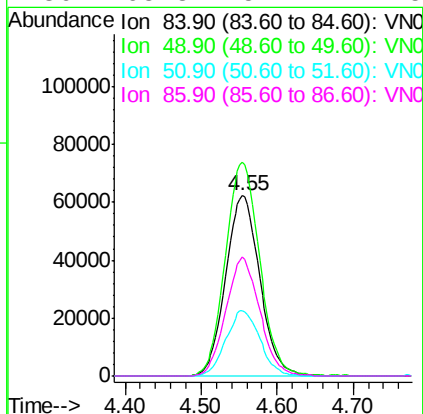
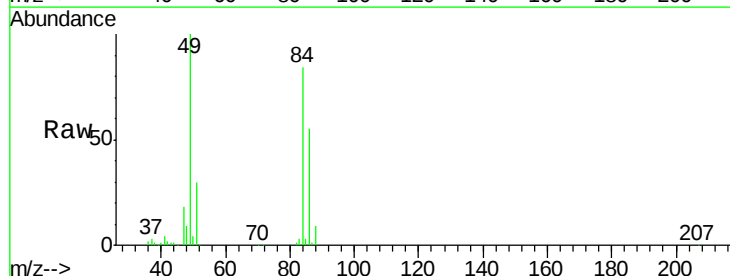
Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

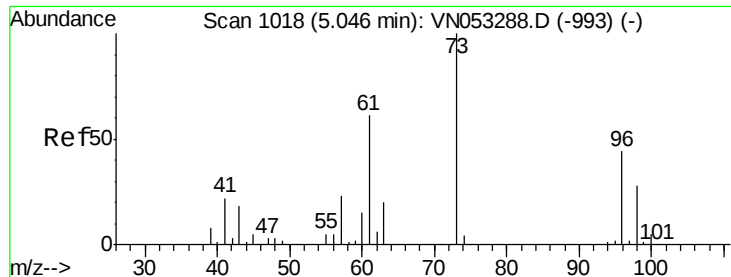
Tot Ion: 73 Resp: 473775
Ion Ratio Lower Upper
73 100
57 23.6 18.5 27.7



#20
Methylene Chloride
Concen: 19.168 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 84 Resp: 194992
Ion Ratio Lower Upper
84 100
49 118.6 95.3 142.9
51 36.2 29.0 43.6
86 65.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

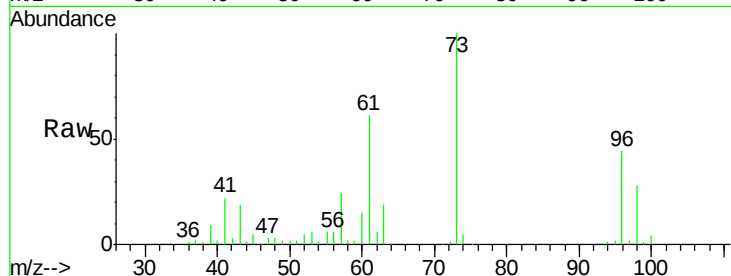
Tot Ion: 96 Resp: 180117

Ion Ratio Lower Upper

96 100

61 138.1 110.2 165.4

98 64.1 50.7 76.1

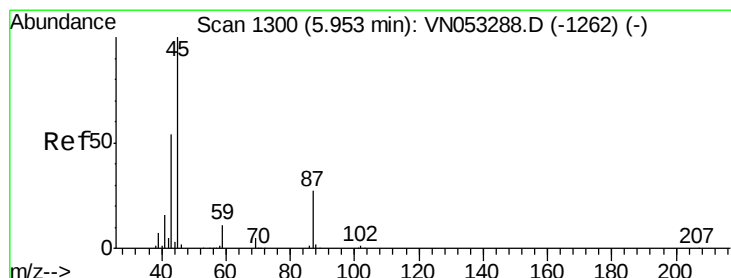
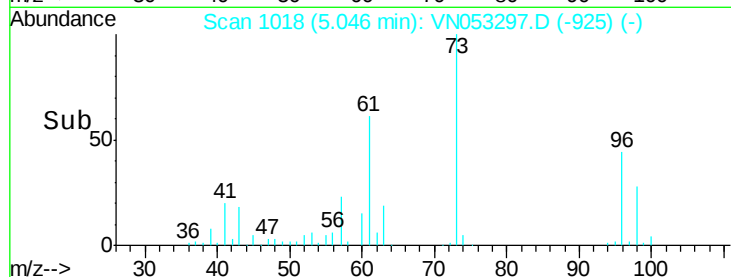
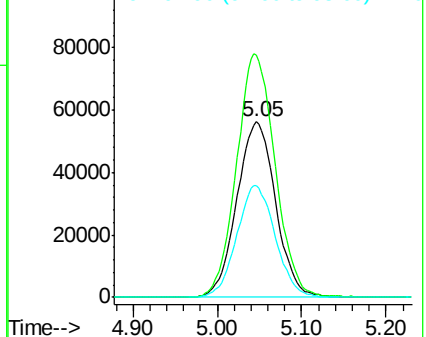


Abundance

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: 19.875 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion: 45 Resp: 586222

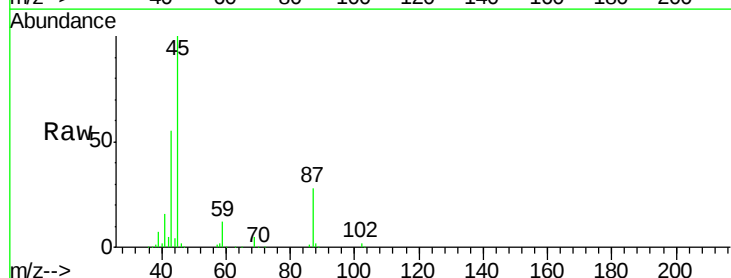
Ion Ratio Lower Upper

45 100

43 54.2 43.0 64.6

87 28.0 22.1 33.1

59 11.9 9.0 13.4



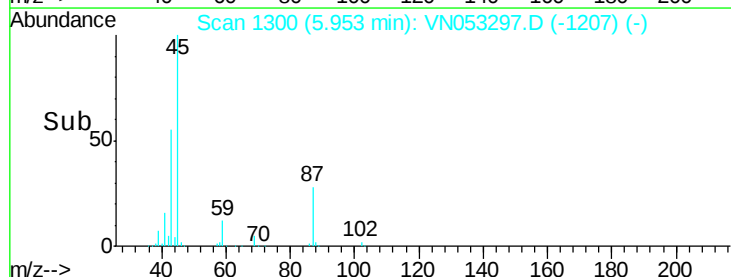
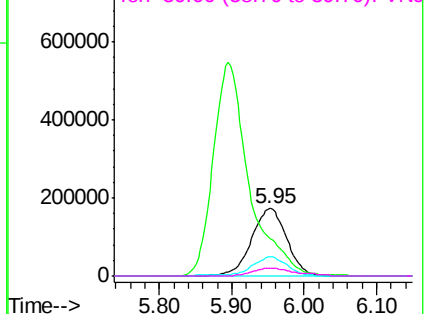
Abundance

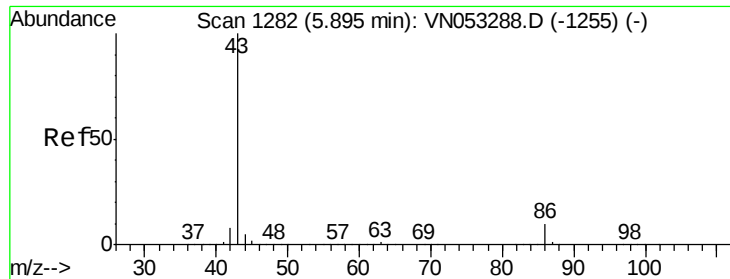
Ion 45.00 (44.70 to 45.70): VN0

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: 101.324 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

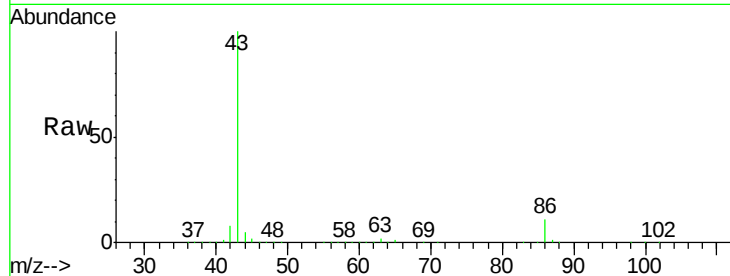
VN0107WBS01

Tot Ion: 43 Resp: 1880420

Ion Ratio Lower Upper

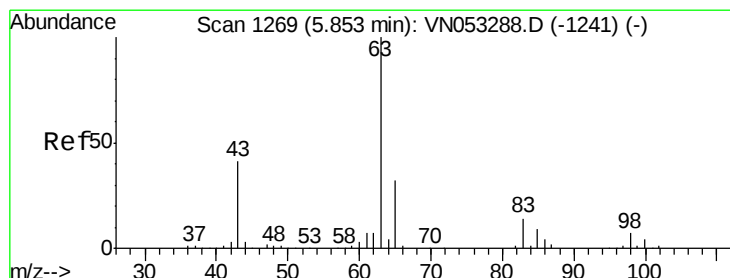
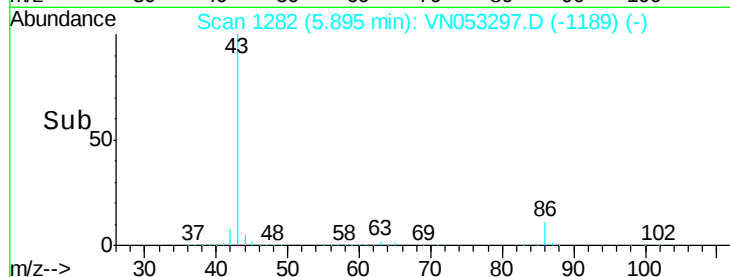
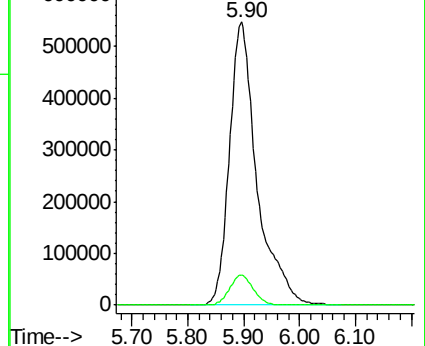
43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.586 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

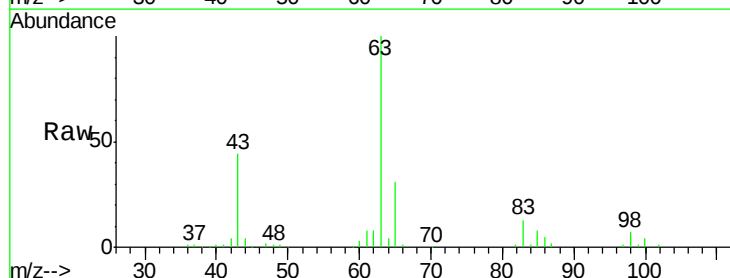
Tgt Ion: 63 Resp: 333185

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

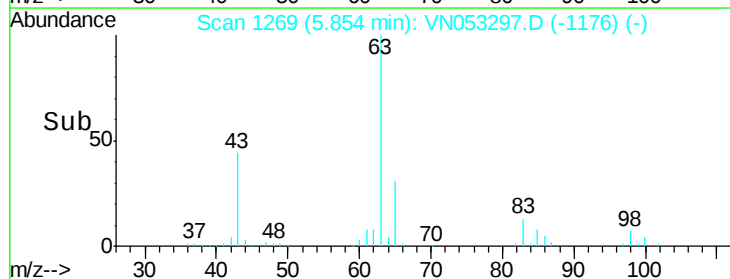
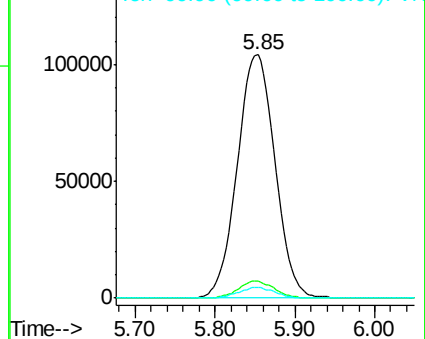
100 4.5 2.1 6.5

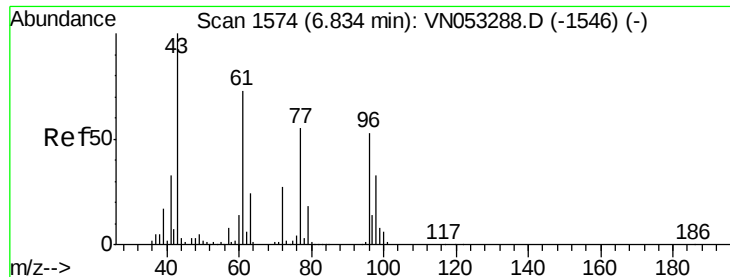


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.233 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

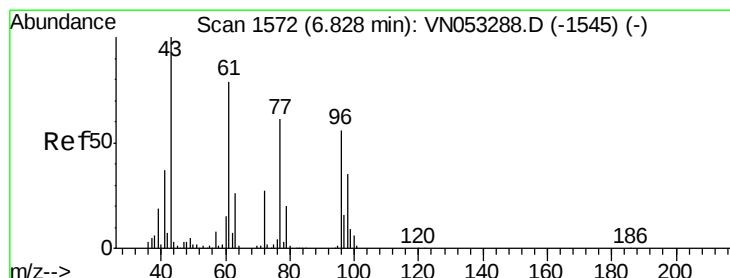
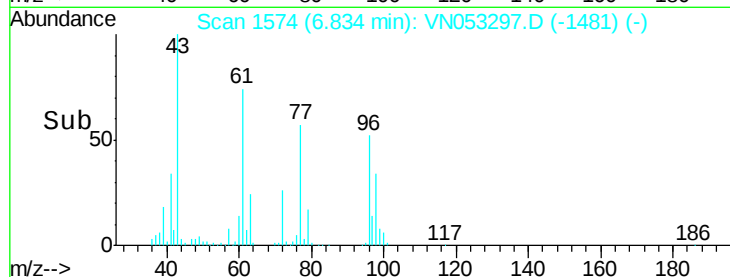
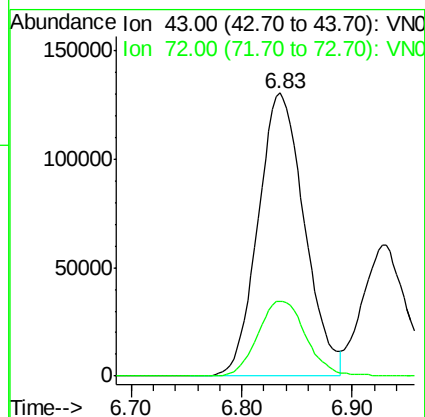
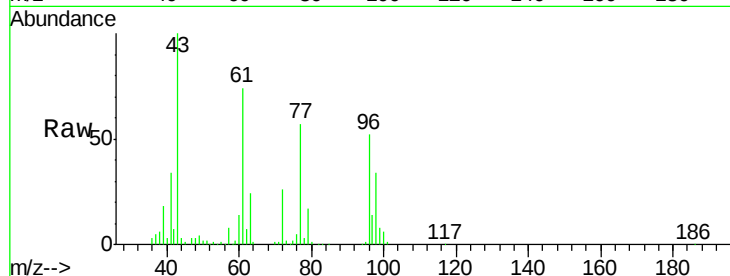
VN0107WBS01

Tot Ion: 43 Resp: 377828

Ion Ratio Lower Upper

43 100

72 26.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.847 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053297.D

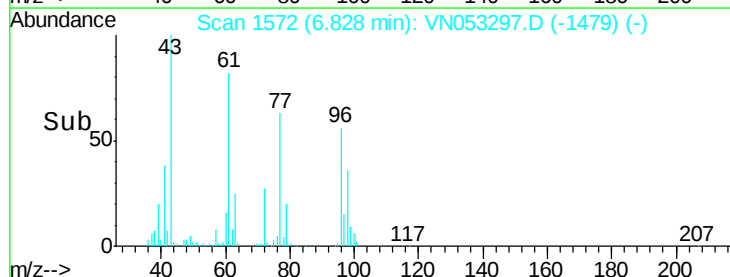
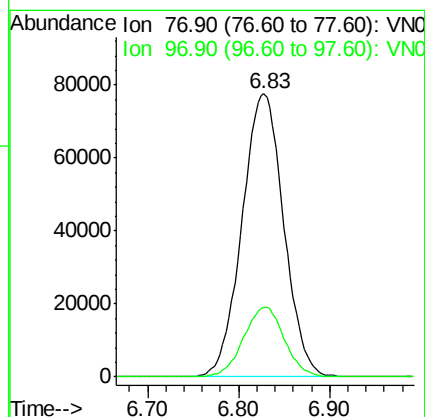
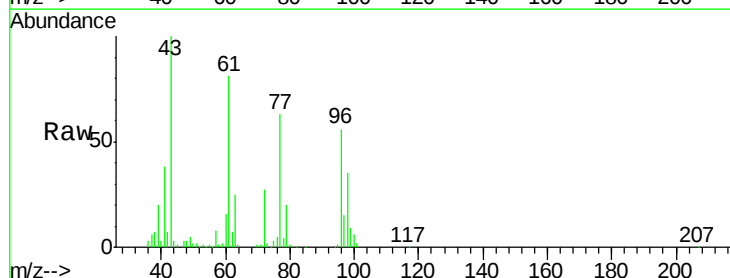
Acq: 7 Jan 2019 11:54

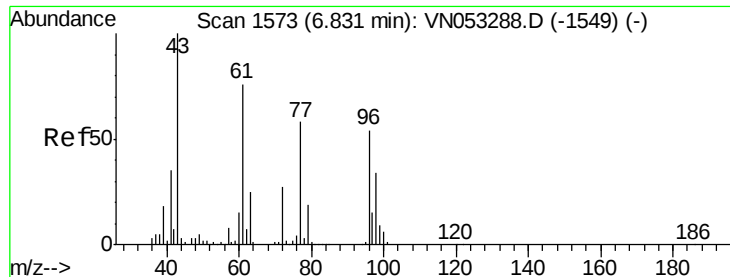
Tgt Ion: 77 Resp: 246794

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9

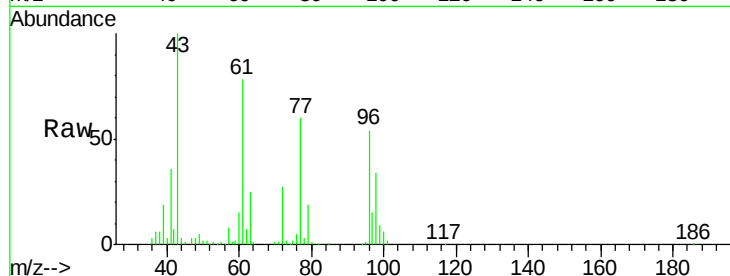




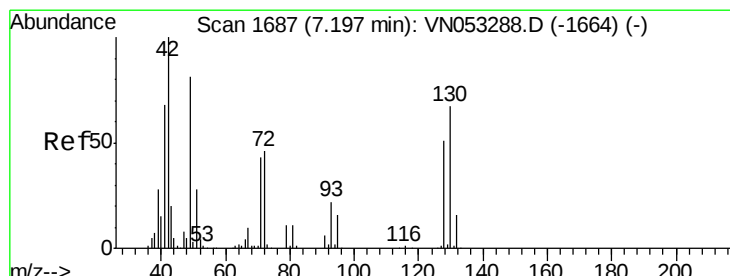
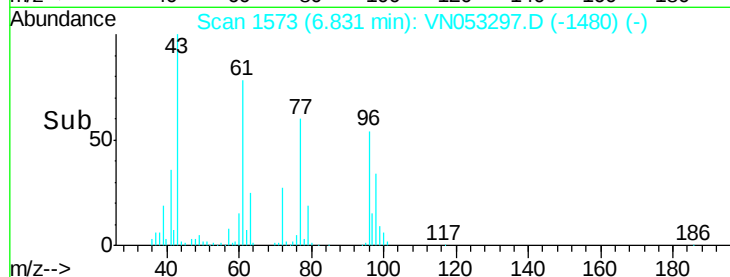
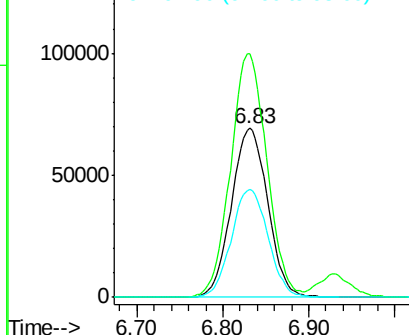
#27
 cis-1,2-Dichloroethene
 Concen: 19.551 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion: 96 Resp: 203641
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 280.6
 98 64.8 0.0 127.6

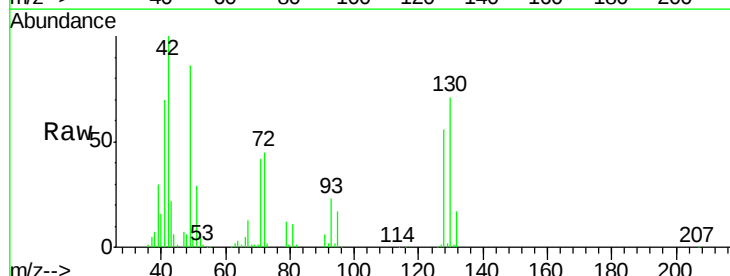


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

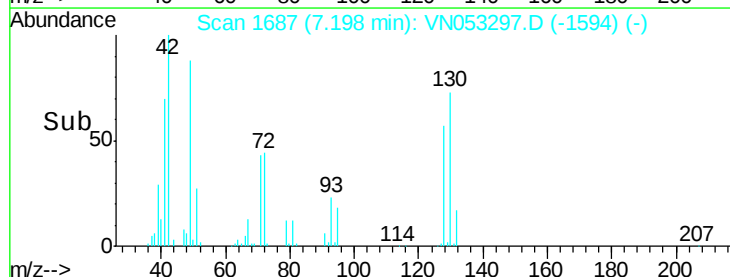
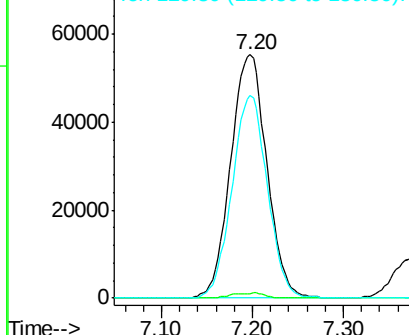


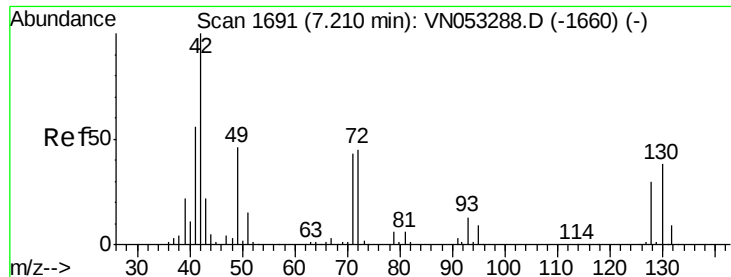
#28
 Bromochloromethane
 Concen: 21.111 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 49 Resp: 153034
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 3.8
 130 81.4 65.4 98.0



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

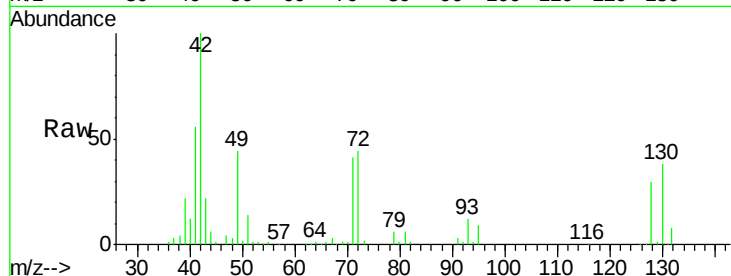




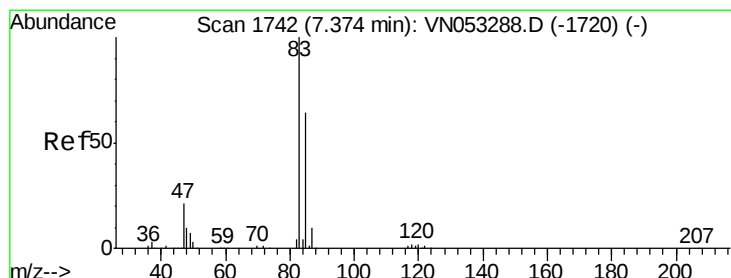
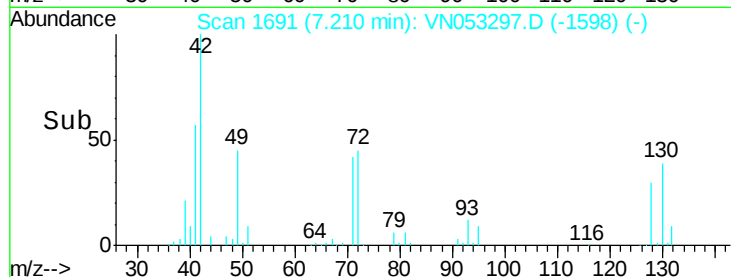
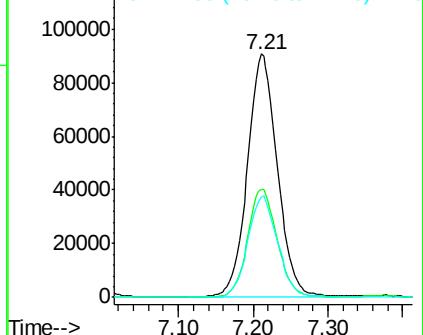
#29
Tetrahydrofuran
Concen: 98.792 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

Tot Ion: 42 Resp: 253331
Ion Ratio Lower Upper
42 100
72 44.0 35.6 53.4
71 41.3 33.8 50.8

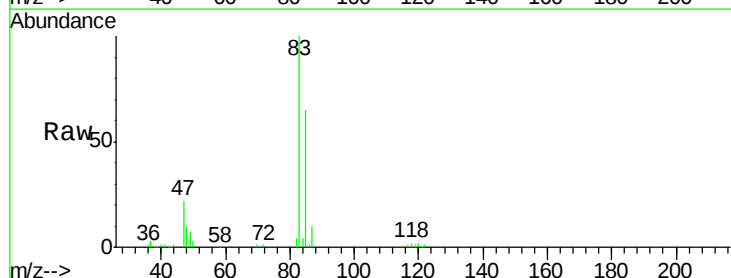


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

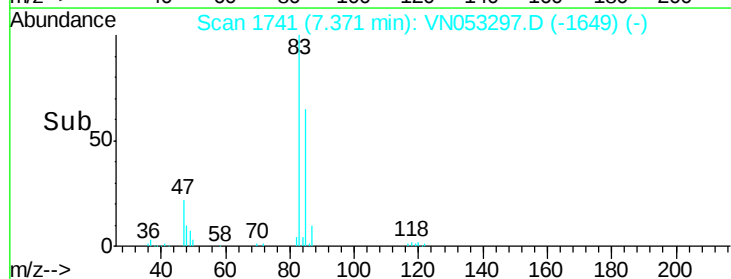
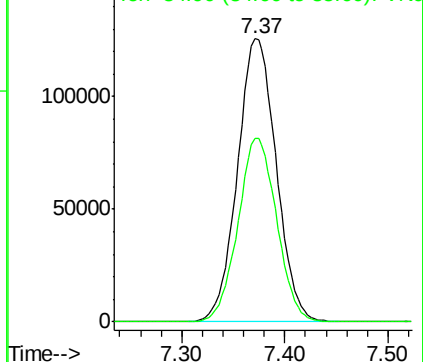


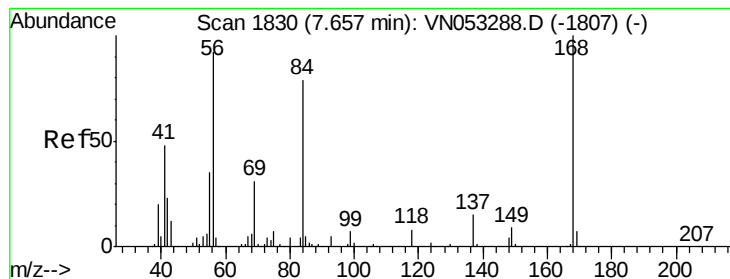
#30
Chloroform
Concen: 19.639 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 83 Resp: 328820
Ion Ratio Lower Upper
83 100
85 65.0 51.3 76.9



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





#31

Cyclohexane

Concen: 19.973 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

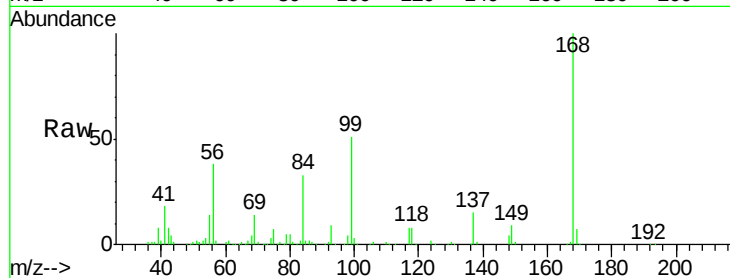
Tot Ion: 56 Resp: 324759

Ion Ratio Lower Upper

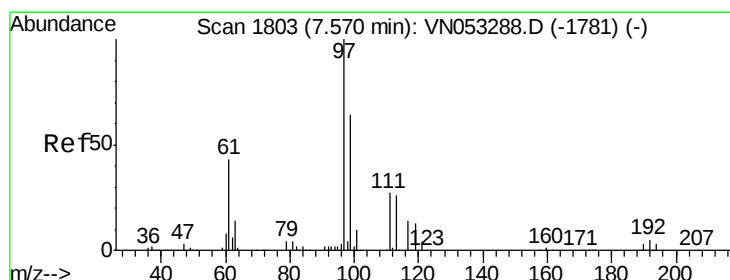
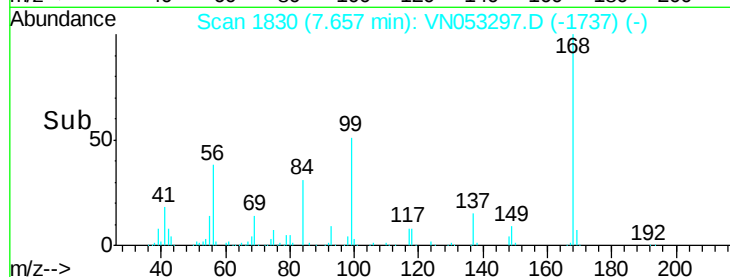
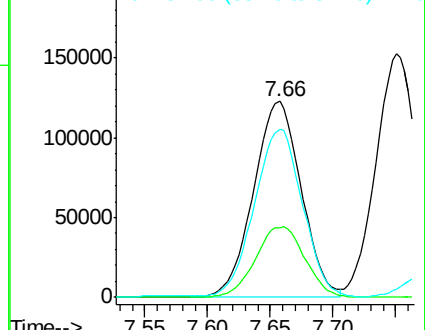
56 100

69 35.9 26.7 40.1

84 84.8 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.478 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

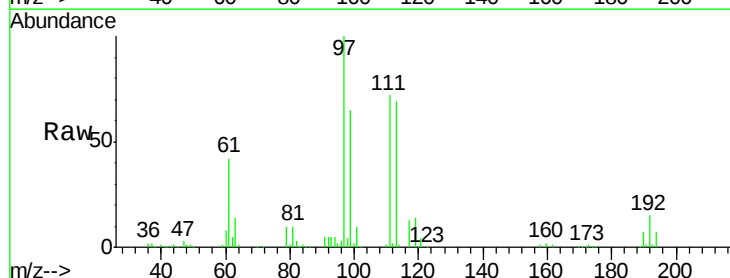
Tgt Ion: 97 Resp: 271761

Ion Ratio Lower Upper

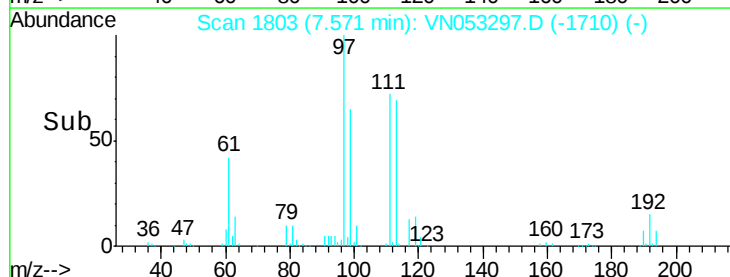
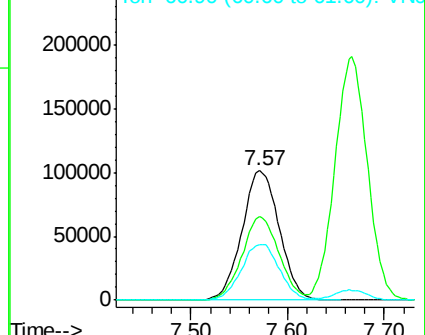
97 100

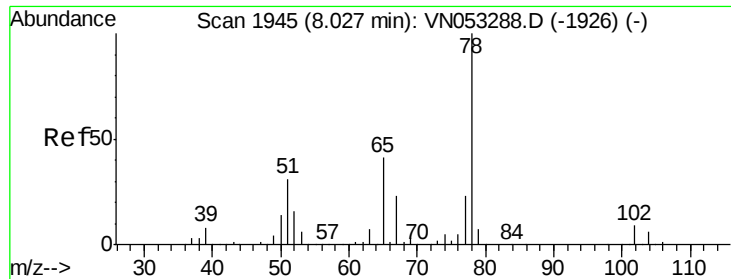
99 64.3 51.6 77.4

61 43.9 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

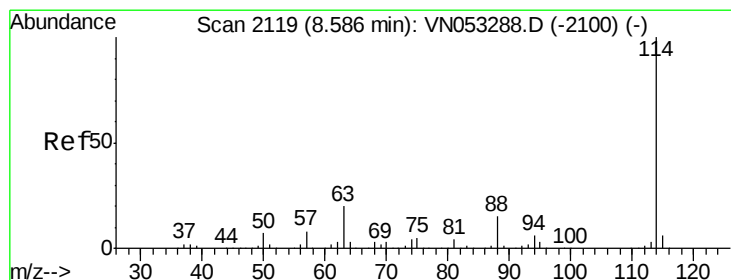
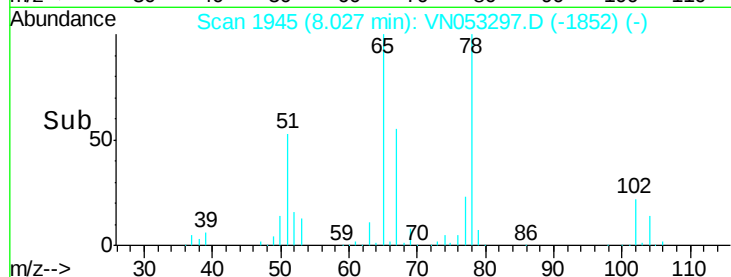
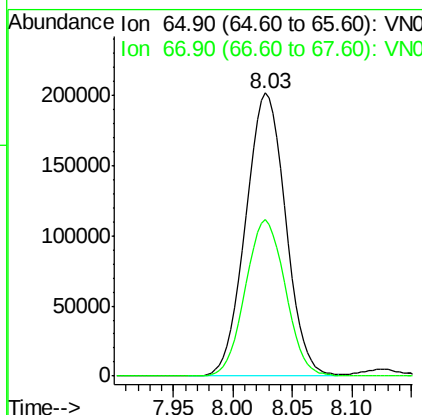
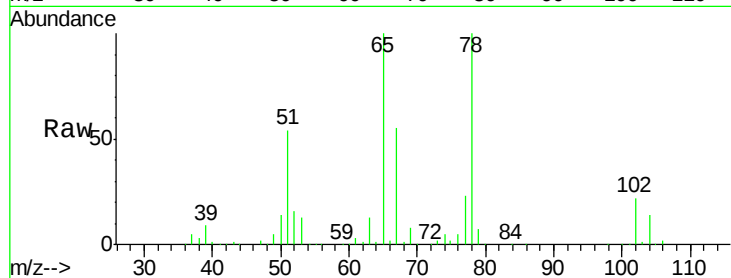




#33
 1,2-Dichloroethane-d4
 Concen: 19.478 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

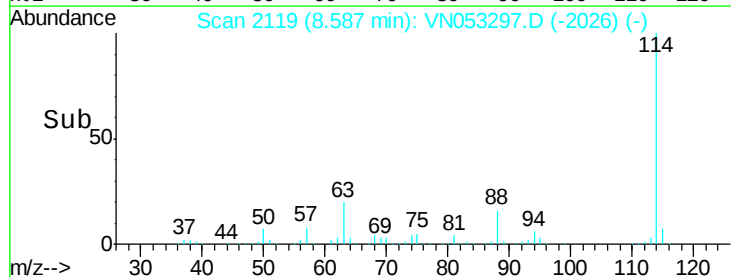
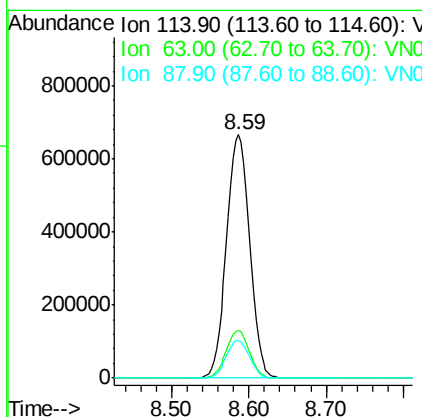
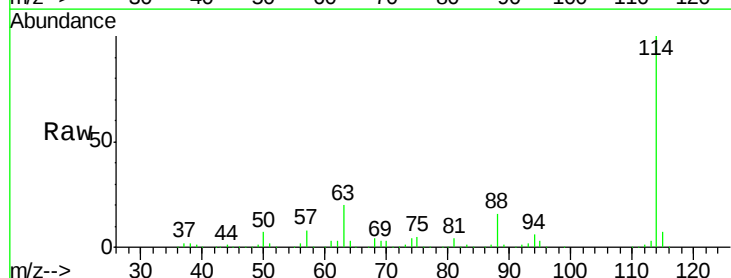
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

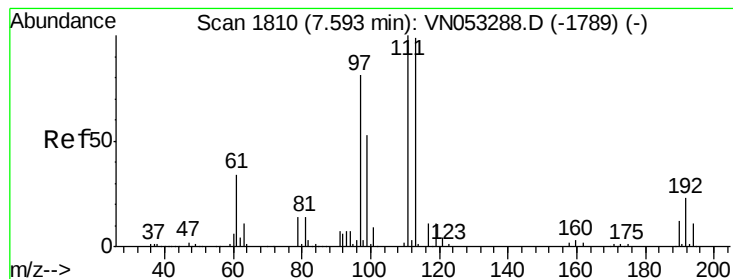
Tot Ion: 65 Resp: 469833
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 114 Resp: 1378289
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

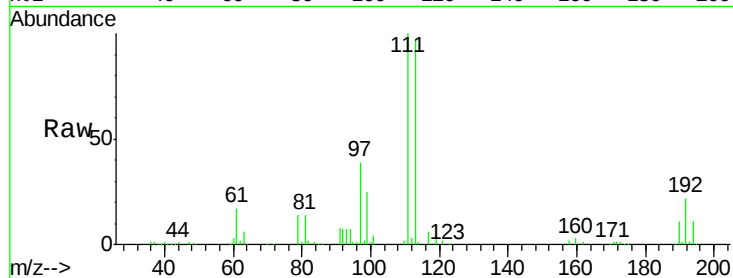
Tot Ion:113 Resp: 393028

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

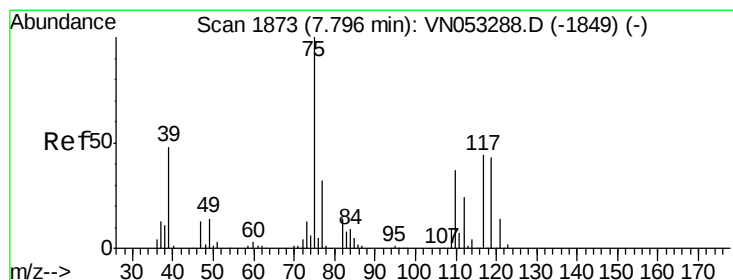
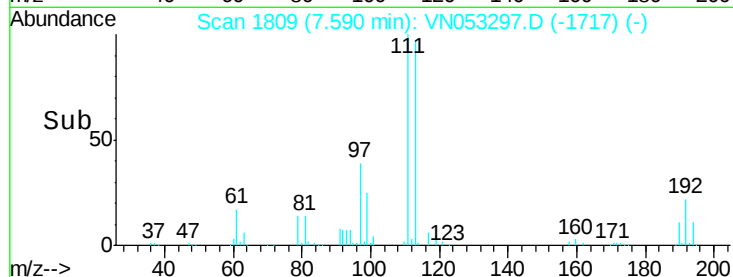
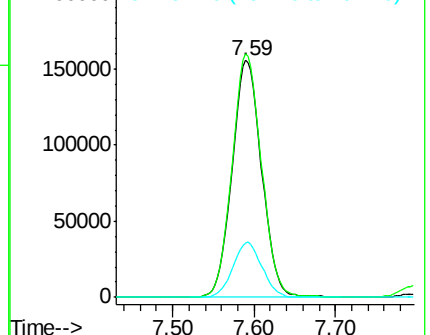
192 22.9 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.771 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

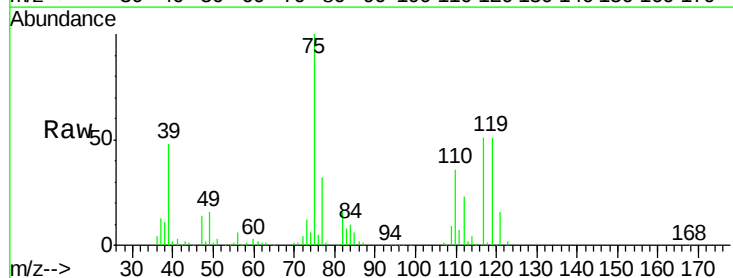
Tgt Ion: 75 Resp: 254403

Ion Ratio Lower Upper

75 100

110 36.2 18.4 55.0

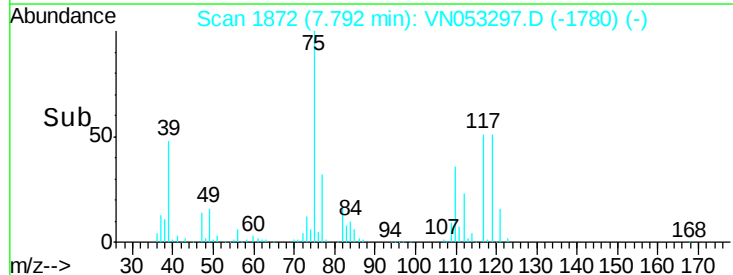
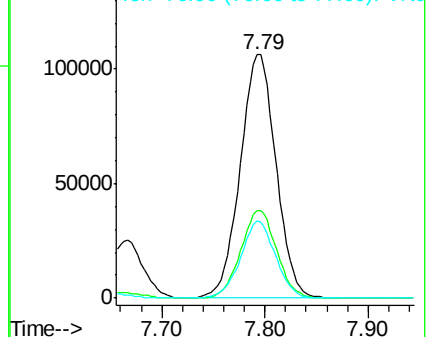
77 31.3 25.3 37.9

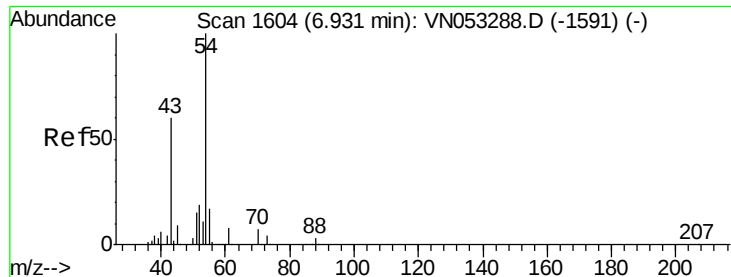


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

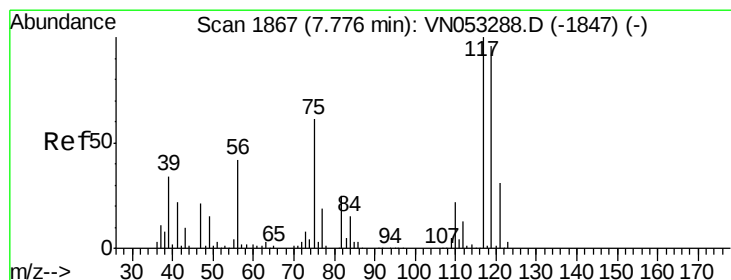
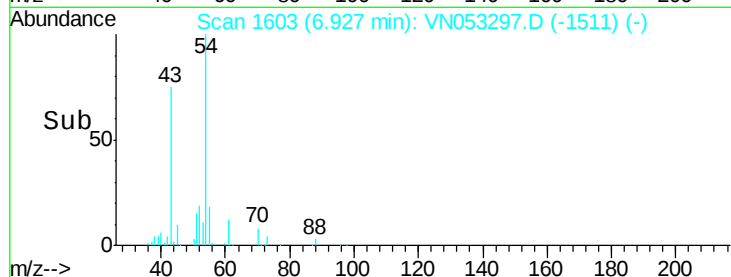
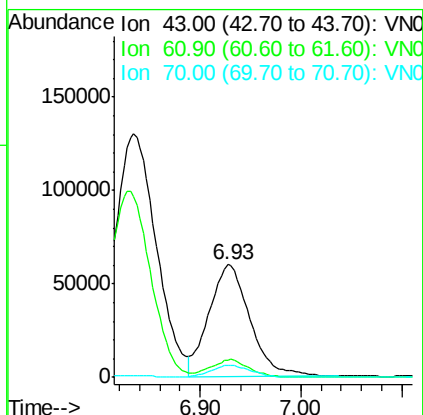
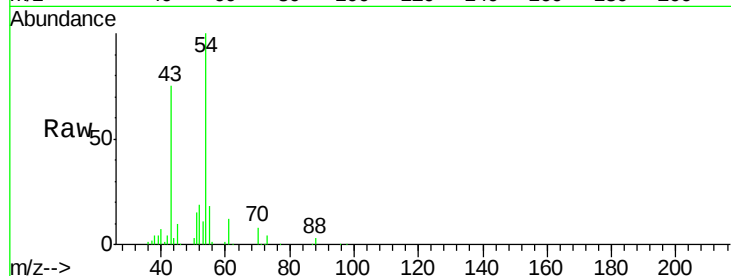




#37
Ethyl Acetate
Concen: 20.103 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

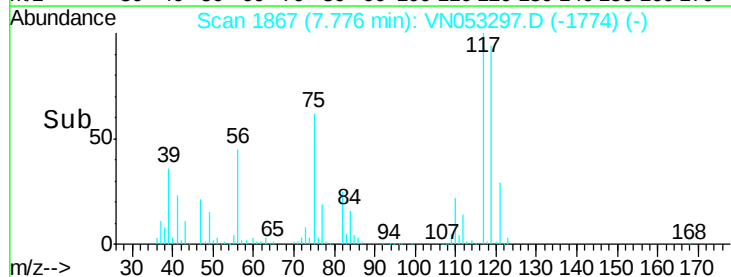
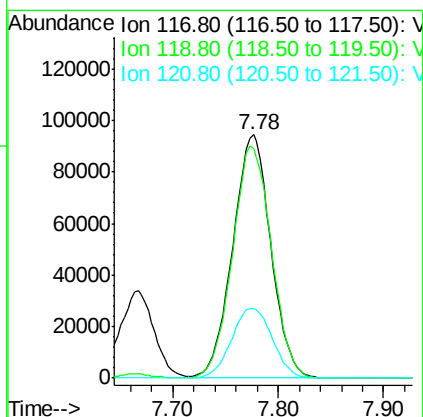
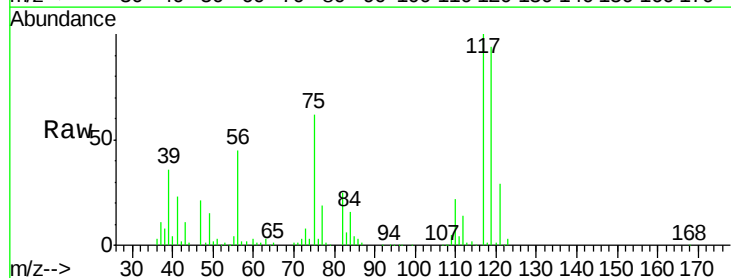
Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

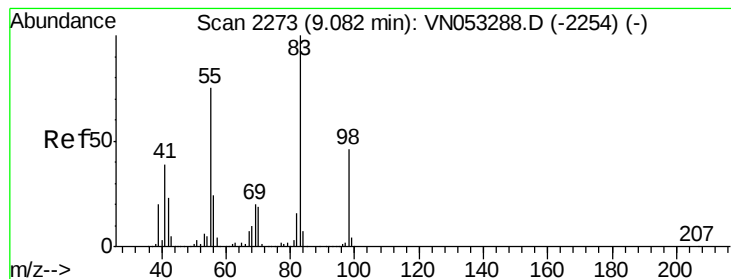
Tot Ion: 43 Resp: 168488
Ion Ratio Lower Upper
43 100
61 14.7 11.9 17.9
70 10.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.990 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 117 Resp: 237408
Ion Ratio Lower Upper
117 100
119 94.2 76.6 115.0
121 28.8 25.0 37.4





#39

Methvlcvclohexane

Concen: 19.948 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

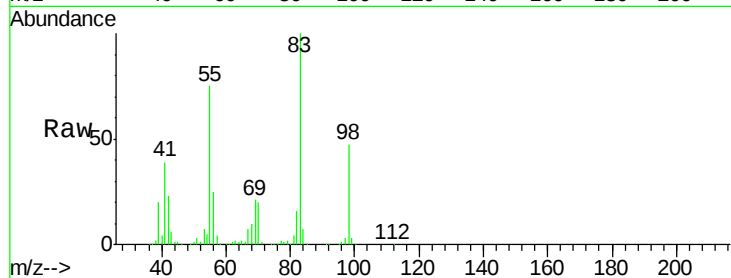
Tot Ion: 83 Resp: 297365

Ion Ratio Lower Upper

83 100

55 75.0 60.1 90.1

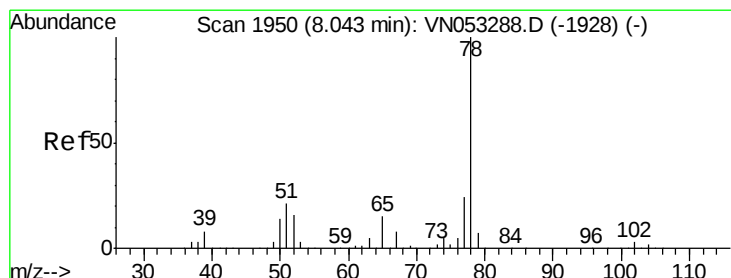
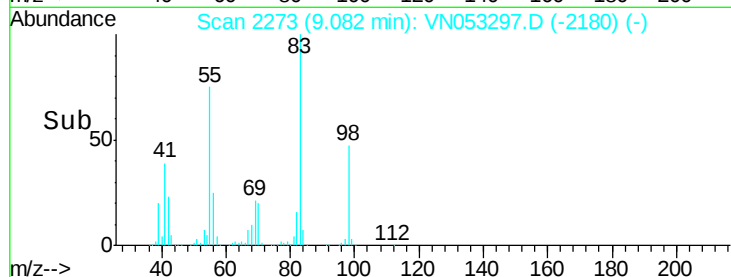
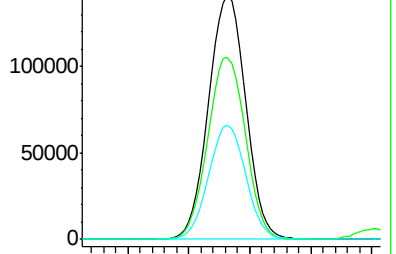
98 46.9 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VN053288.D (-2254) (-)

Ion 55.00 (54.70 to 55.70): VN053288.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN053288.D (-2254) (-)



#40

Benzene

Concen: 19.937 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053297.D

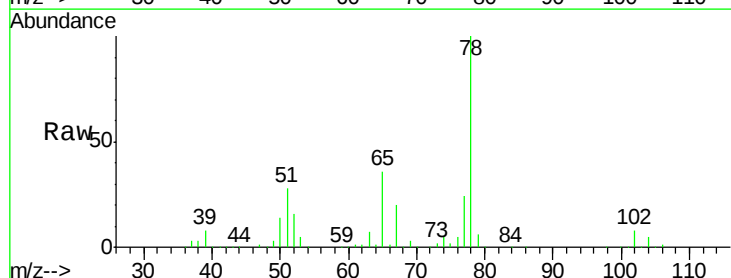
Acq: 7 Jan 2019 11:54

Tgt Ion: 78 Resp: 783612

Ion Ratio Lower Upper

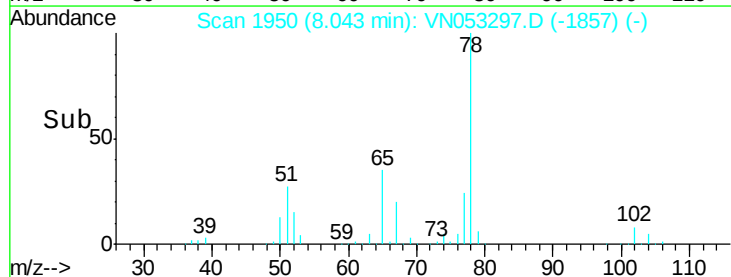
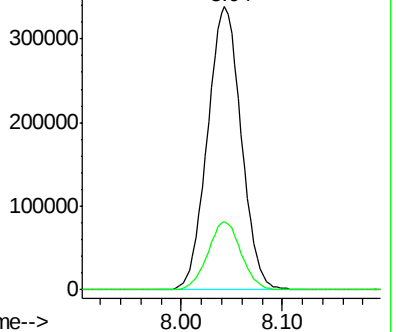
78 100

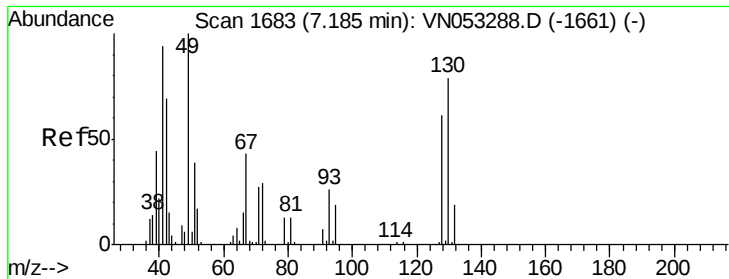
77 24.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN053288.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN053288.D (-1928) (-)

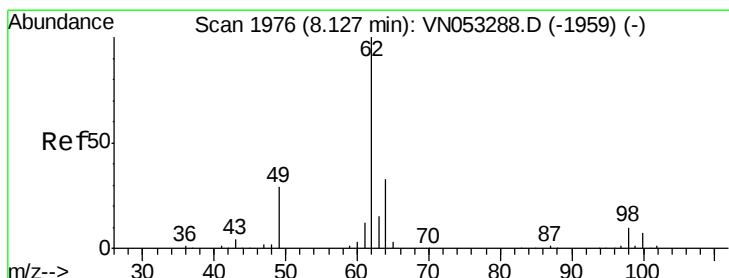
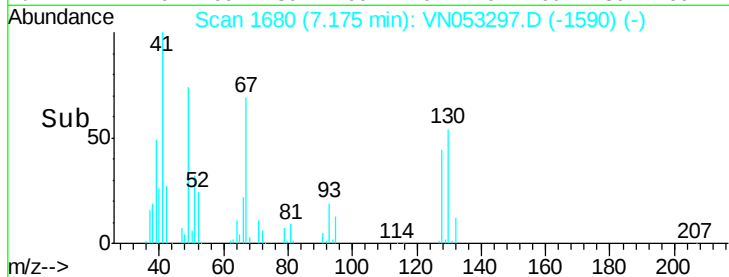
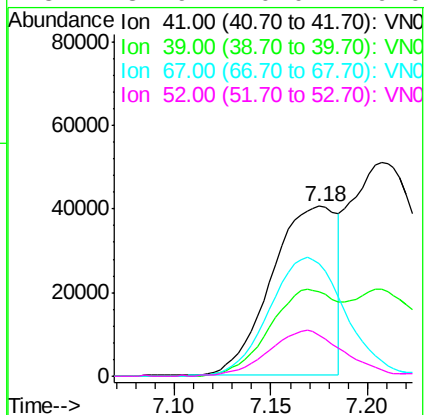
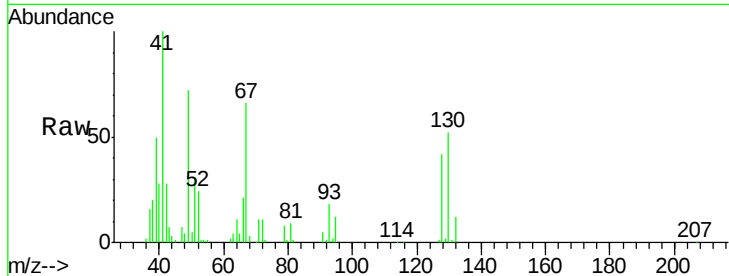




#41
Methacrylonitrile
Concen: 18.279 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

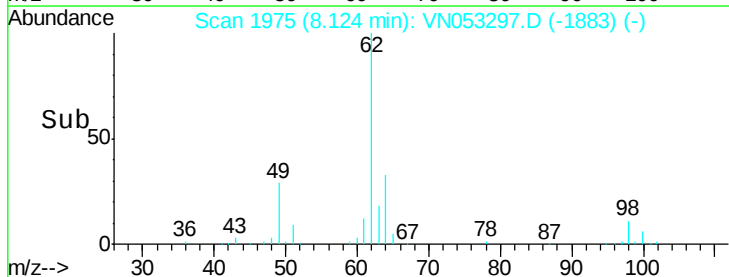
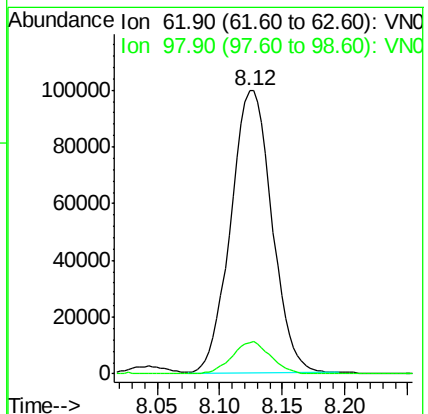
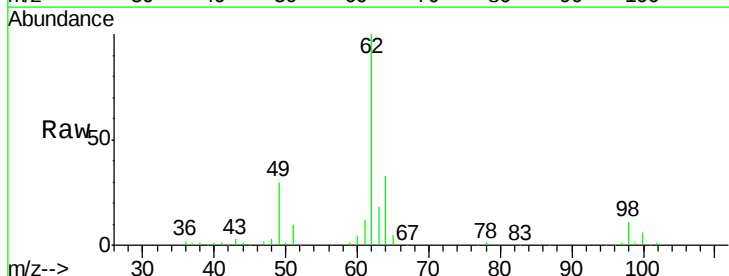
Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

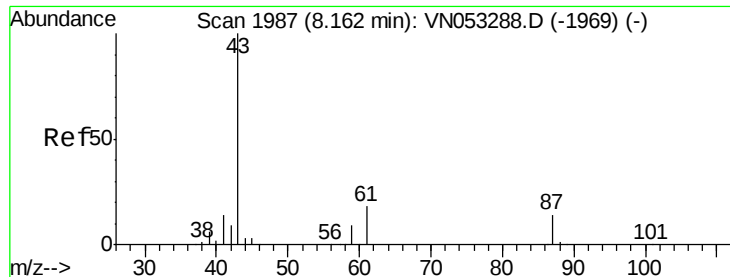
Tot Ion: 41 Resp: 95114
Ion Ratio Lower Upper
41 100
39 54.3 0.0 0.0#
67 81.7 0.0 0.0#
52 31.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.569 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 62 Resp: 228145
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 18.681 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

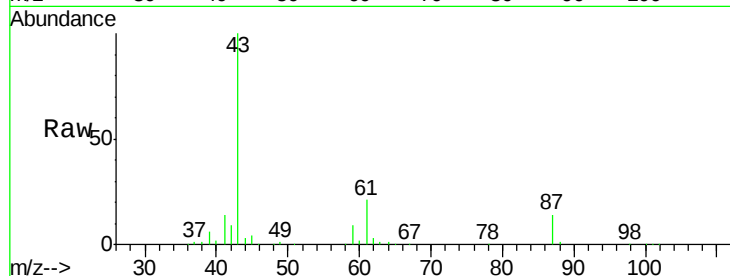
Tot Ion: 43 Resp: 308011

Ion Ratio Lower Upper

43 100

61 28.4 23.3 34.9

87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)

8.17

150000

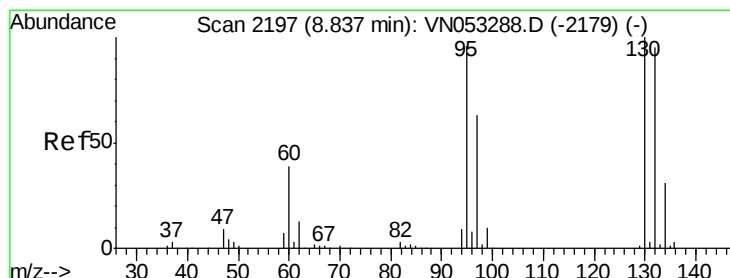
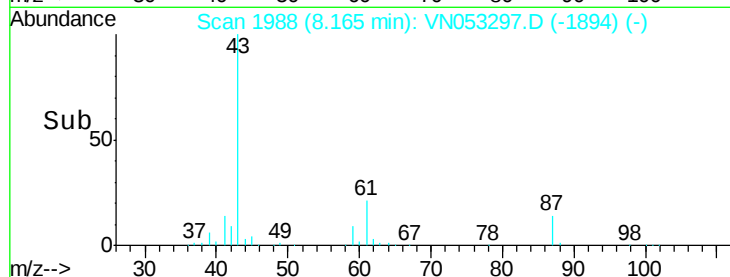
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.754 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053297.D

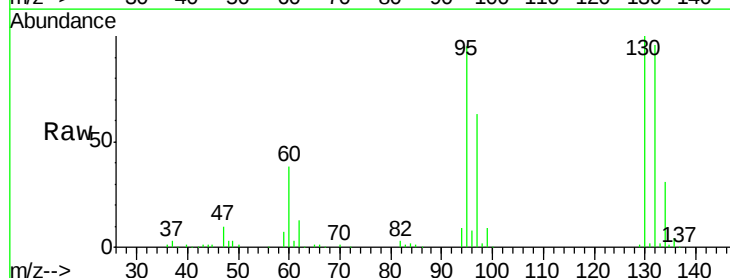
Acq: 7 Jan 2019 11:54

Tgt Ion:130 Resp: 213189

Ion Ratio Lower Upper

130 100

95 95.3 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053288.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053288.D (-2179) (-)

120000

100000

80000

60000

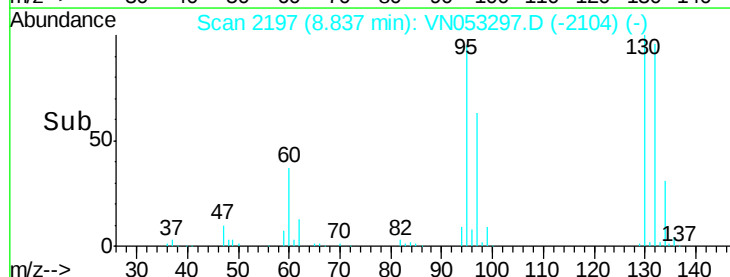
40000

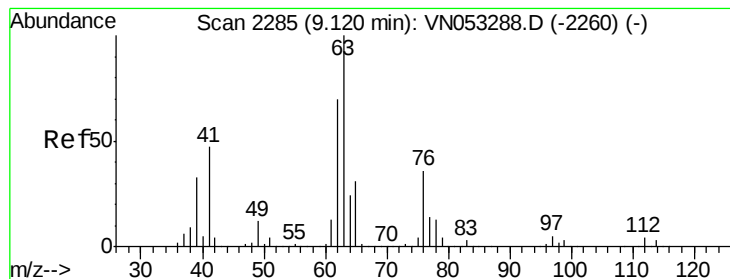
20000

0

8.80 8.84 8.88

Time-->





#45

1,2-Dichloropropane

Concen: 19.964 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

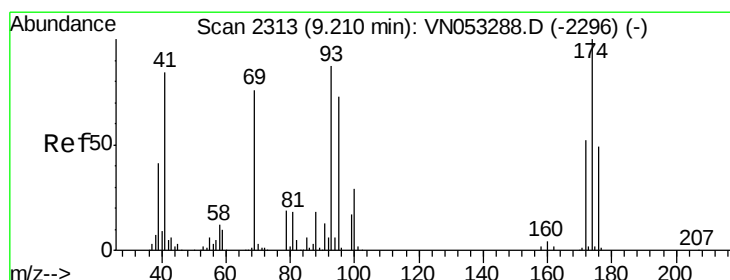
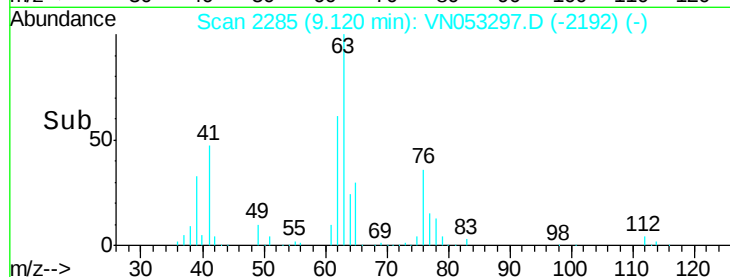
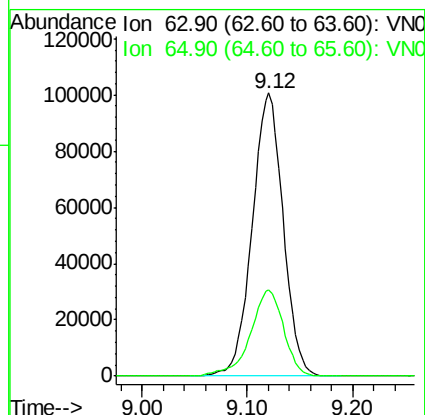
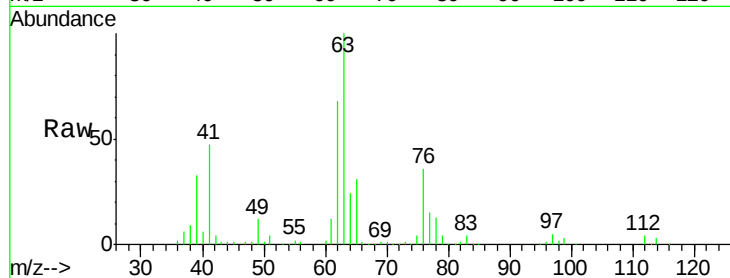
VN0107WBS01

Tot Ion: 63 Resp: 205803

Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.6



#46

Dibromomethane

Concen: 20.160 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

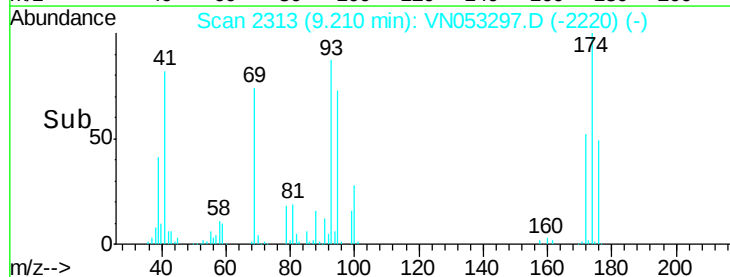
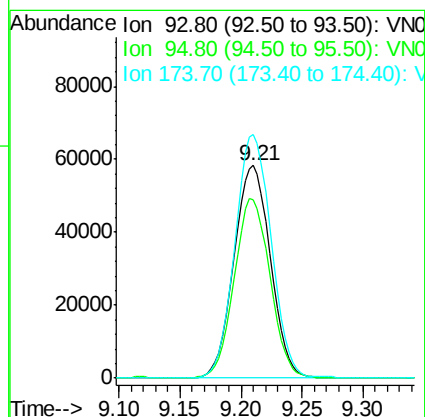
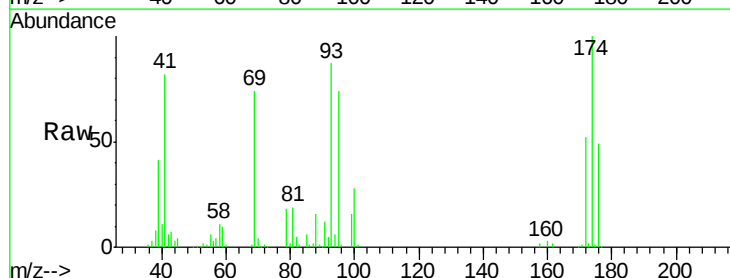
Tgt Ion: 93 Resp: 121176

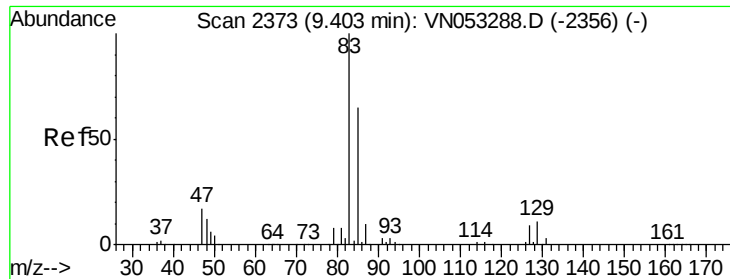
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 113.7 91.4 137.0





#47

Bromodichloromethane

Concen: 19.903 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

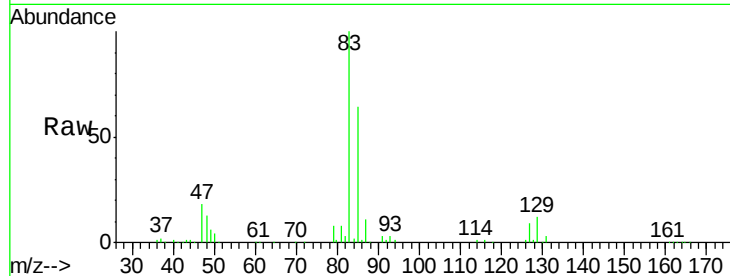
Tot Ion: 83 Resp: 249305

Ion Ratio Lower Upper

83 100

85 63.8 51.7 77.5

127 8.6 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053297.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053297.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053297.D (-2280) (-)

9.40

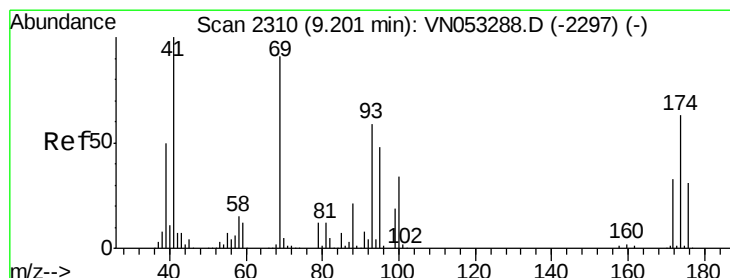
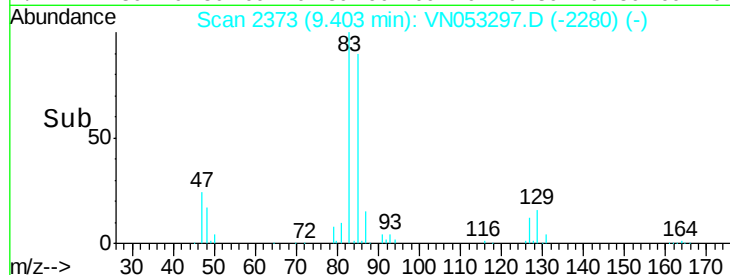
150000

100000

50000

0

9.30 9.35 9.40 9.45 9.50



#48

Methyl methacrylate

Concen: 19.814 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

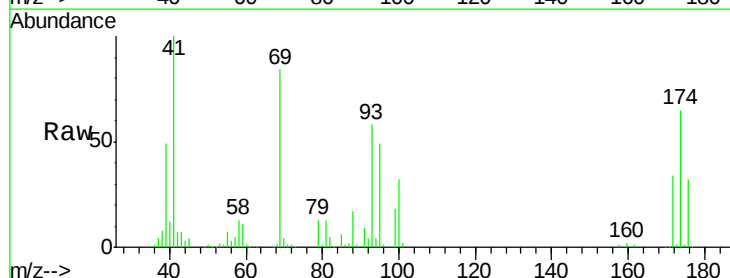
Tgt Ion: 41 Resp: 148420

Ion Ratio Lower Upper

41 100

69 91.5 73.5 110.3

39 51.2 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053297.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053297.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053297.D (-2217) (-)

9.20

100000

80000

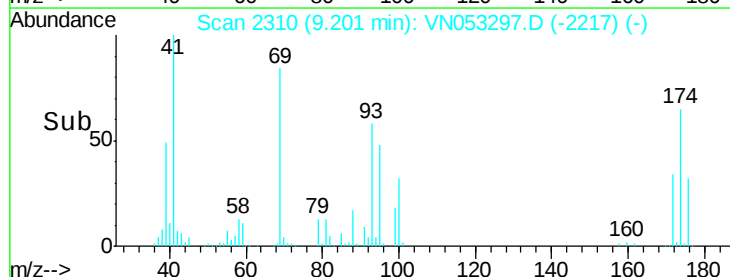
60000

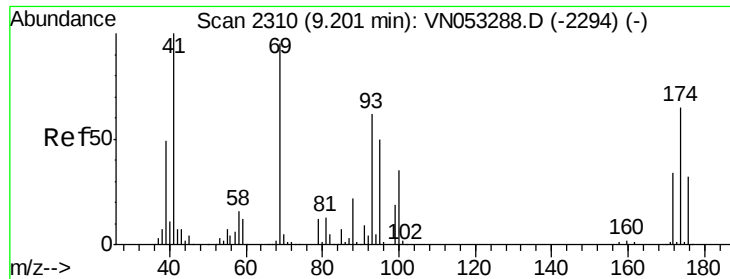
40000

20000

0

9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 374.664 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

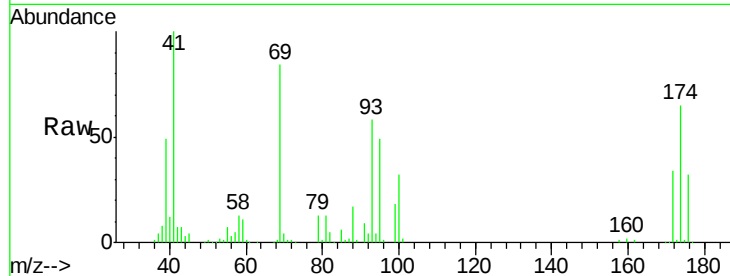
Tot Ion: 88 Resp: 29901

Ion Ratio Lower Upper

88 100

43 33.0 26.2 39.4

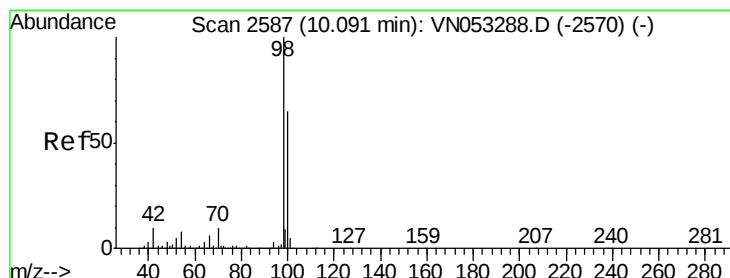
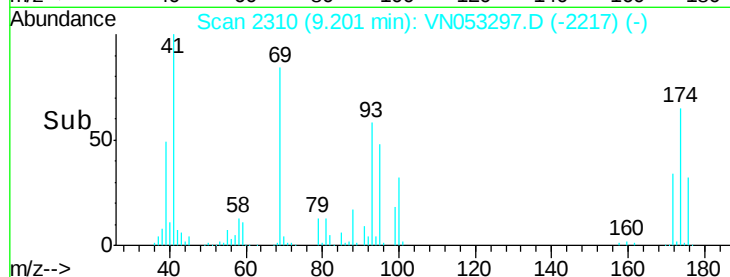
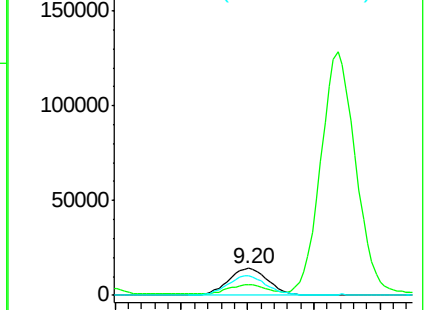
58 72.0 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VN053288.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053288.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2294) (-)



#50

Toluene-d8

Concen: 374.664 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053297.D

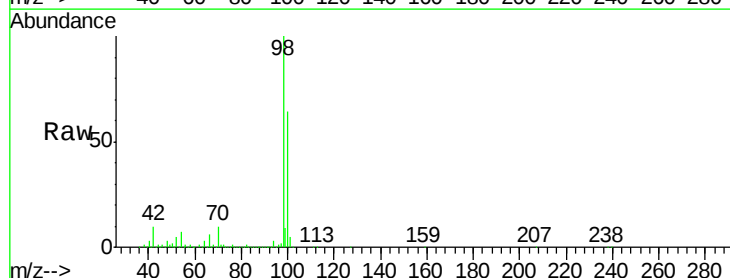
Acq: 7 Jan 2019 11:54

Tgt Ion: 98 Resp: 1702566

Ion Ratio Lower Upper

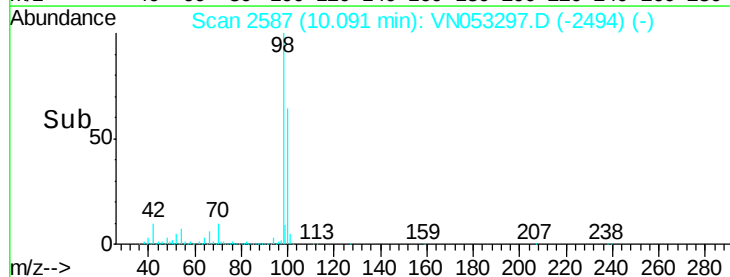
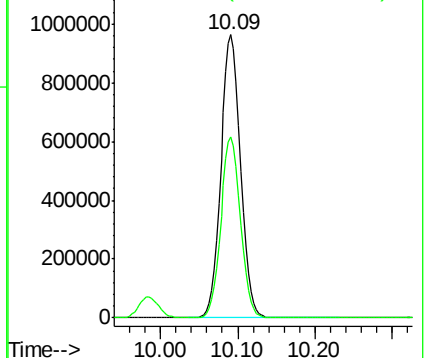
98 100

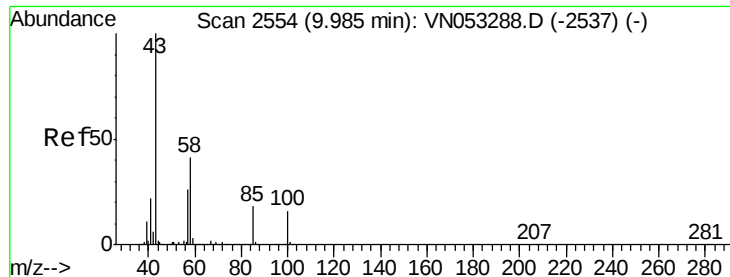
100 63.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053288.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053288.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.422 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

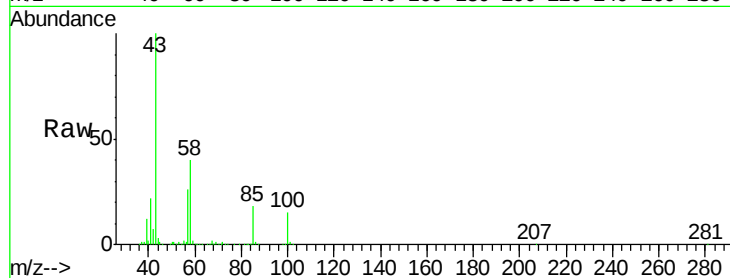
VN0107WBS01

Tot Ion: 43 Resp: 849230

Ion Ratio Lower Upper

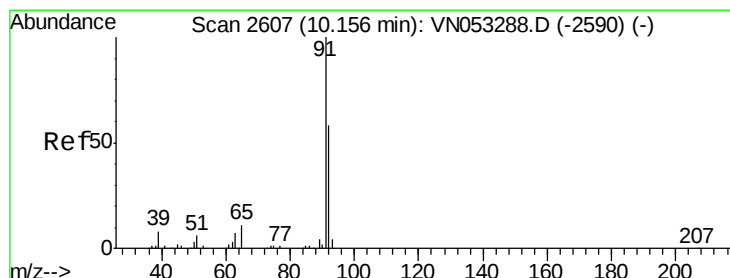
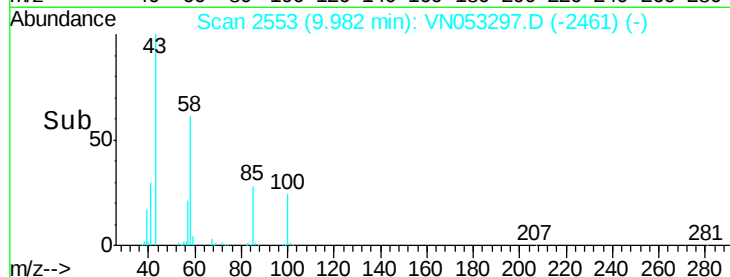
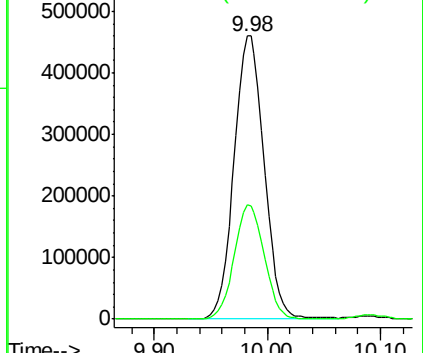
43 100

58 40.5 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.136 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053297.D

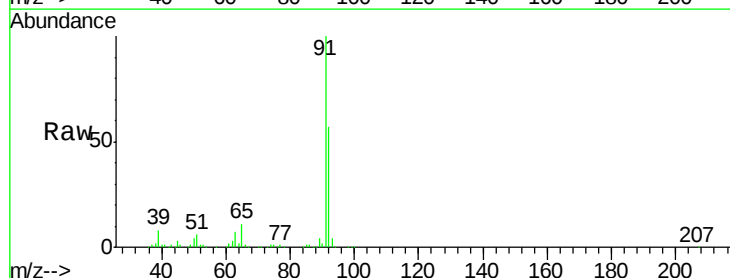
Acq: 7 Jan 2019 11:54

Tgt Ion: 92 Resp: 485539

Ion Ratio Lower Upper

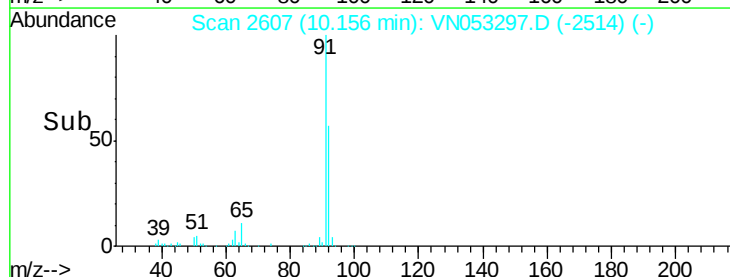
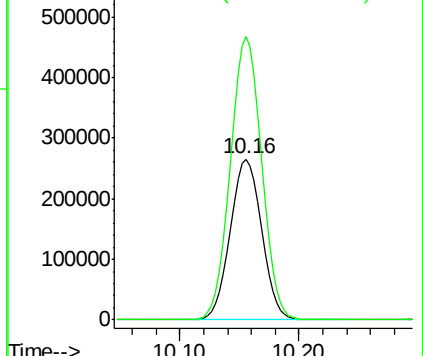
92 100

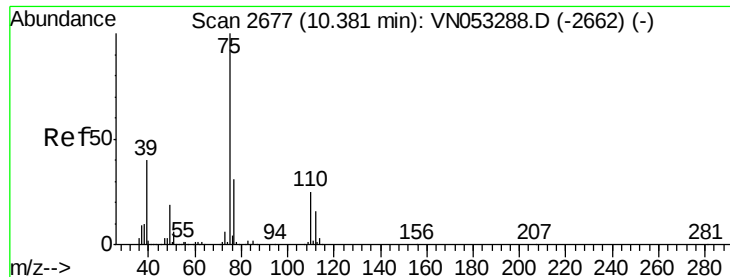
91 175.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.888 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

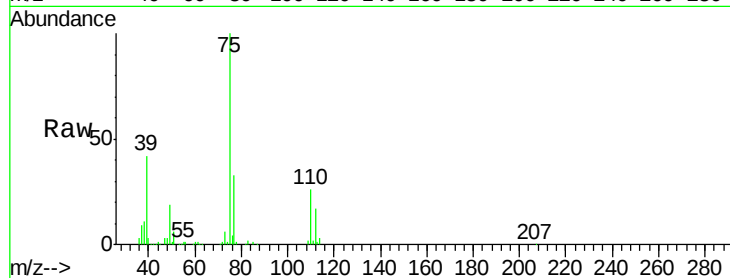
VN0107WBS01

Tot Ion: 75 Resp: 254845

Ion Ratio Lower Upper

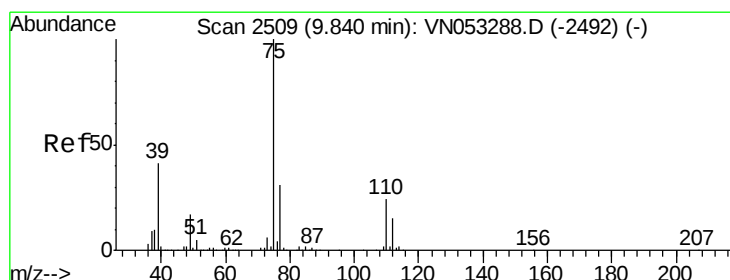
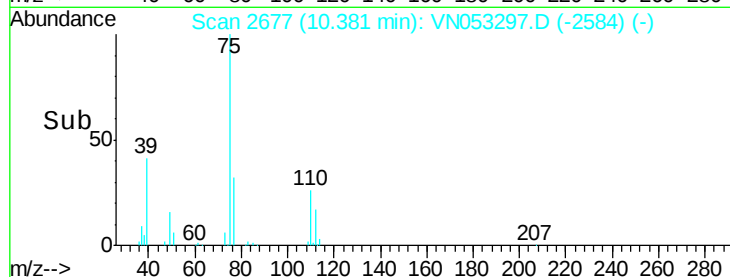
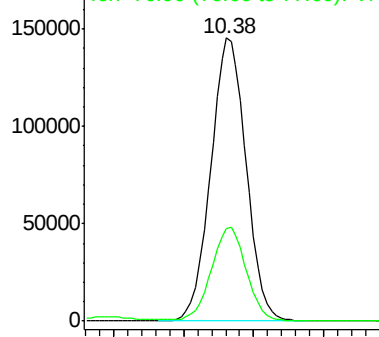
75 100

77 32.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.396 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

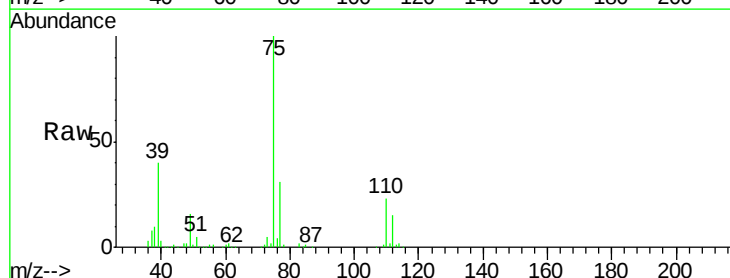
Tgt Ion: 75 Resp: 302006

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

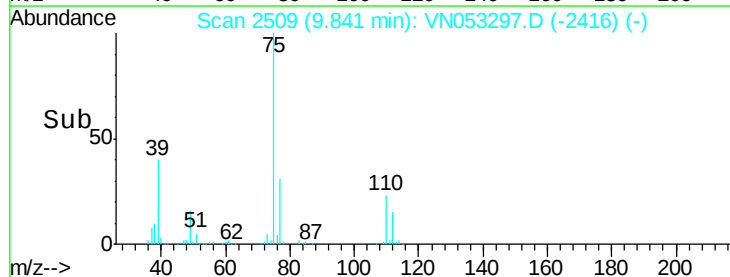
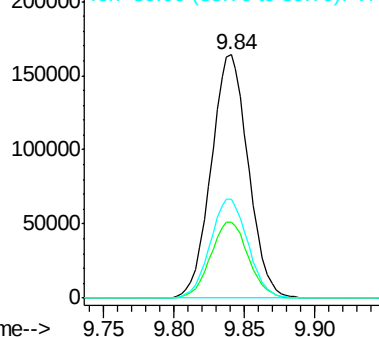
39 40.5 33.1 49.7

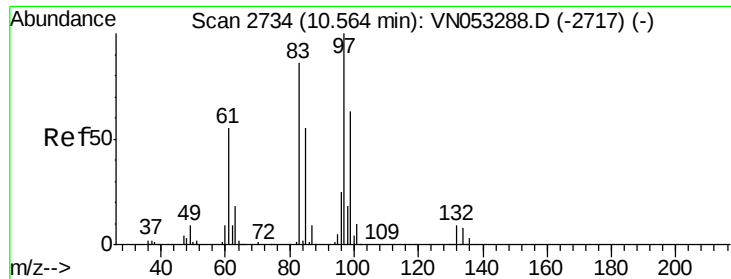


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

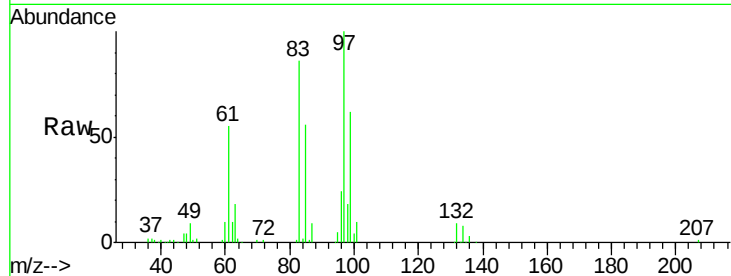




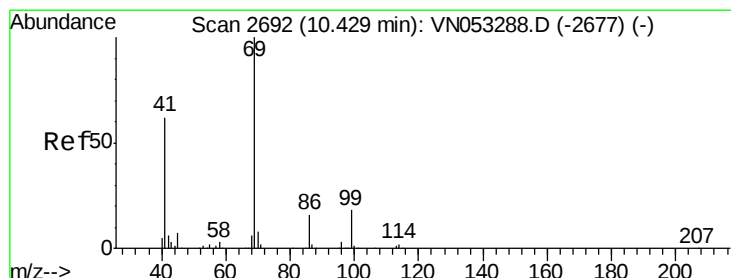
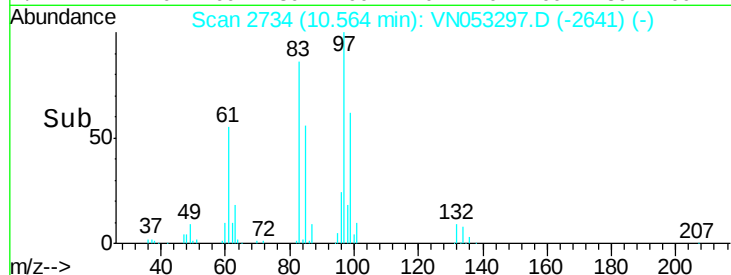
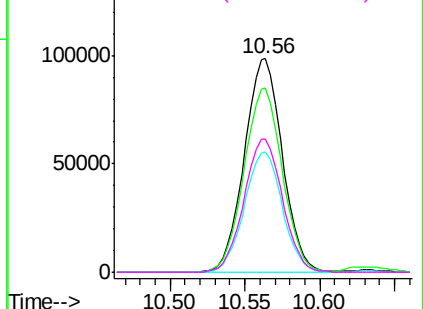
#55
 1,1,2-Trichloroethane
 Concen: 19.671 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

Tot Ion: 97 Resp: 174409
 Ion Ratio Lower Upper
 97 100
 83 86.4 69.1 103.7
 85 56.3 44.2 66.4
 99 62.5 50.3 75.5

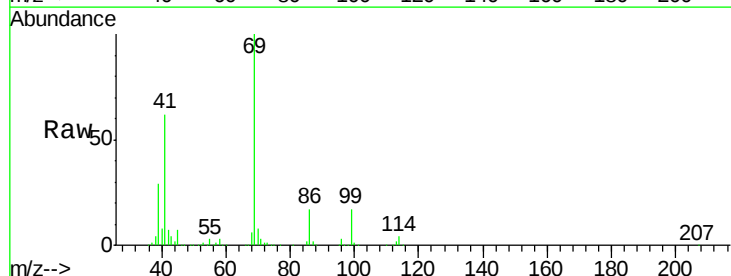


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

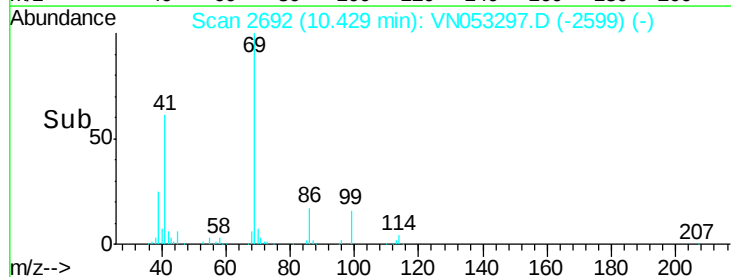
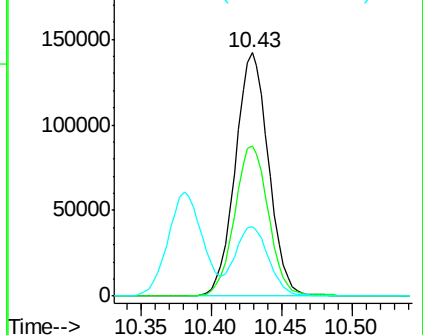


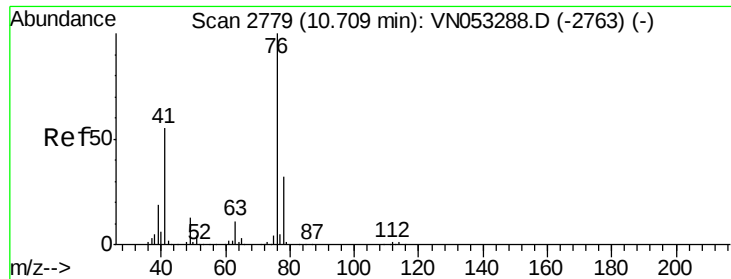
#56
 Ethyl methacrylate
 Concen: 20.425 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 69 Resp: 235332
 Ion Ratio Lower Upper
 69 100
 41 62.5 49.2 73.8
 39 28.9 23.4 35.0



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

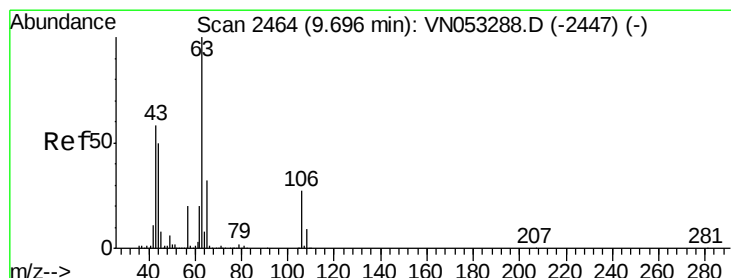
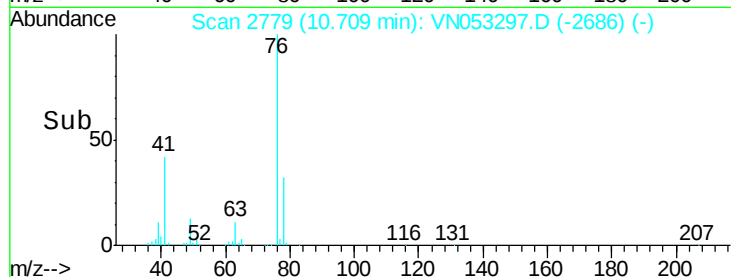
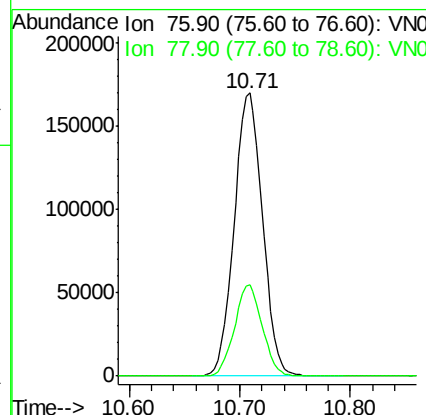
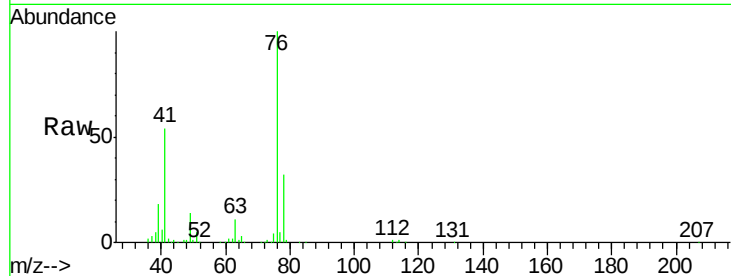




#57
 1,3-Dichloropropane
 Concen: 20.382 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

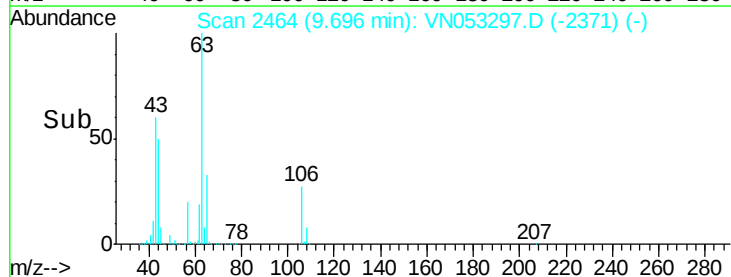
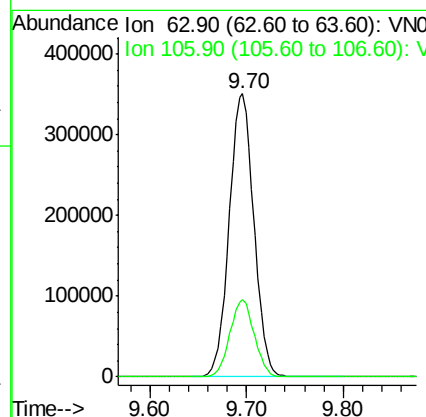
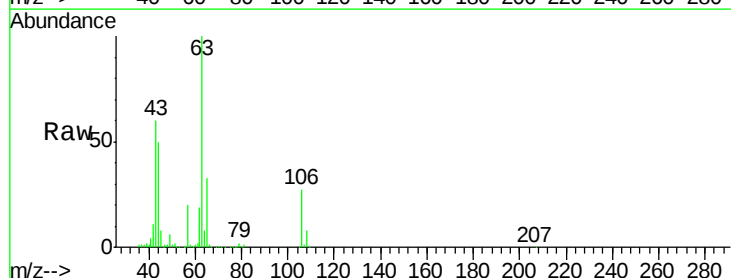
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

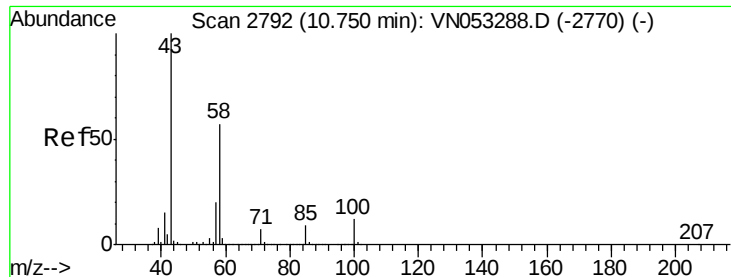
Tot Ion: 76 Resp: 302205
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.520 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 63 Resp: 619910
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

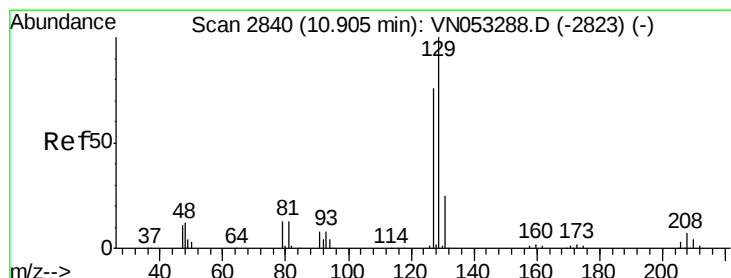
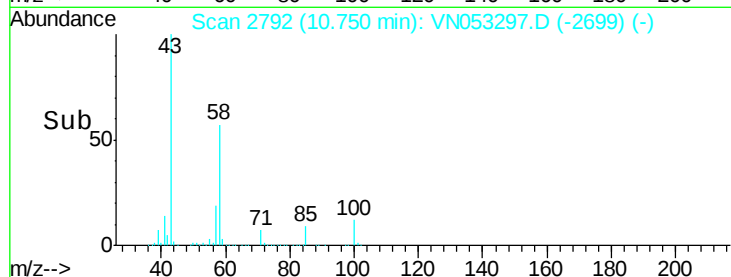
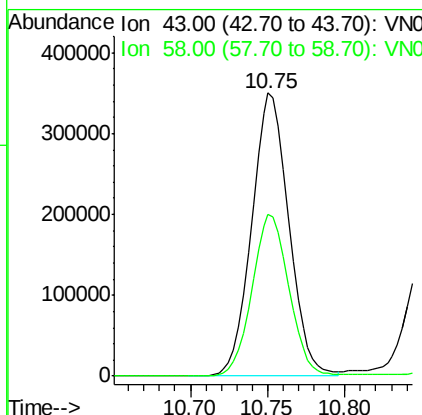
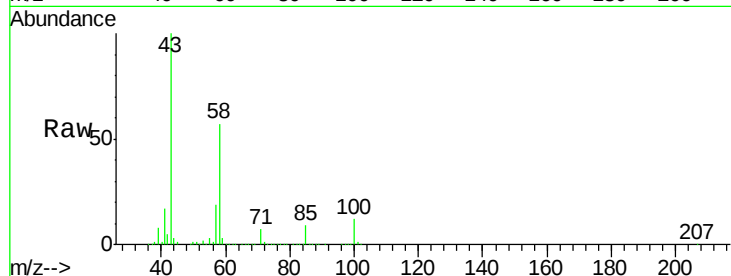




#59
2-Hexanone
Concen: 102.847 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

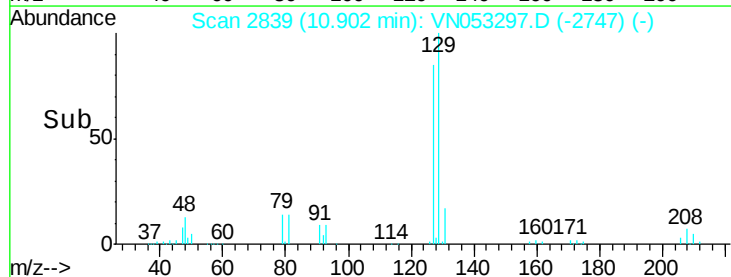
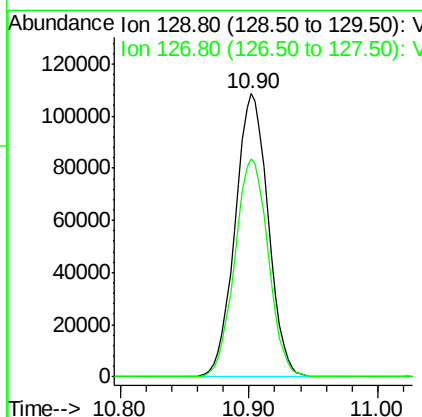
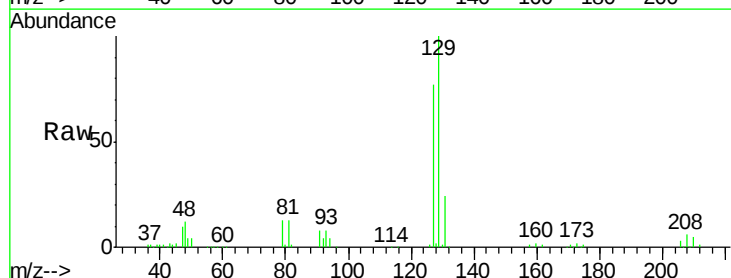
Instrument :
MSVOA_N
ClientSampleId :
VN0107WBS01

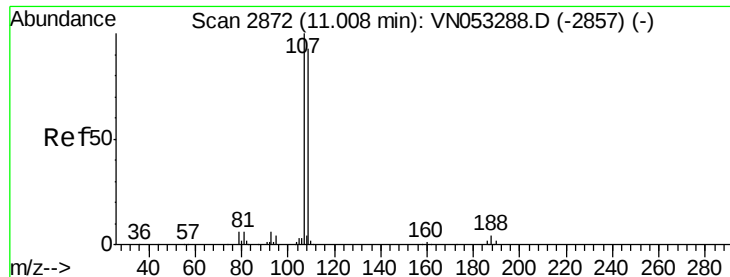
Tot Ion: 43 Resp: 584274
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0



#60
Dibromochloromethane
Concen: 20.205 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 129 Resp: 193226
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2

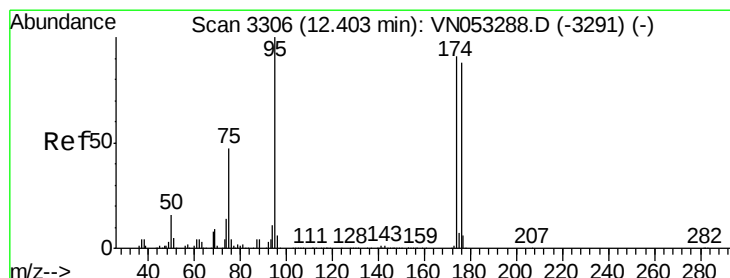
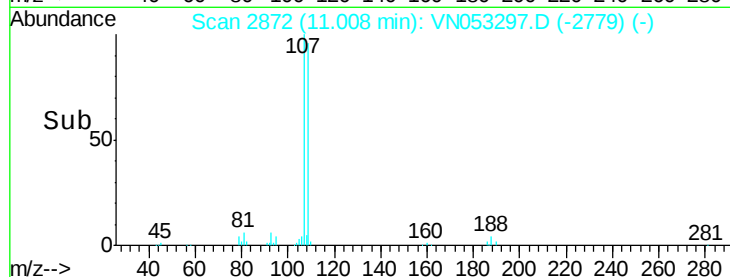
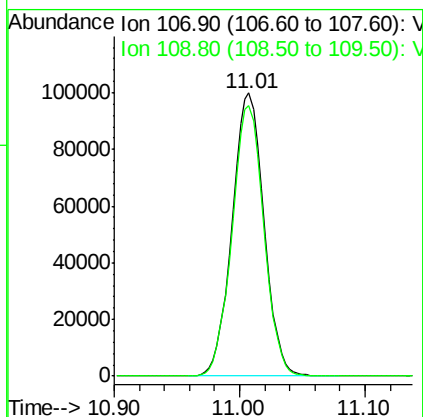
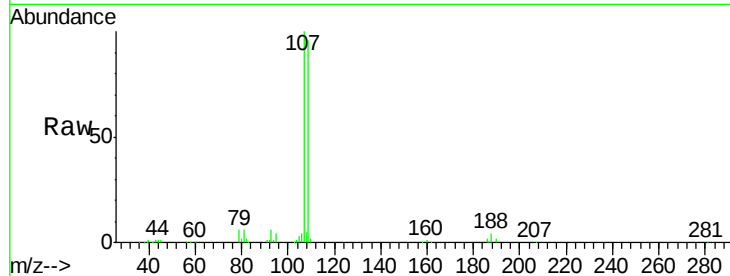




#61
 1,2-Dibromoethane
 Concen: 20.111 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

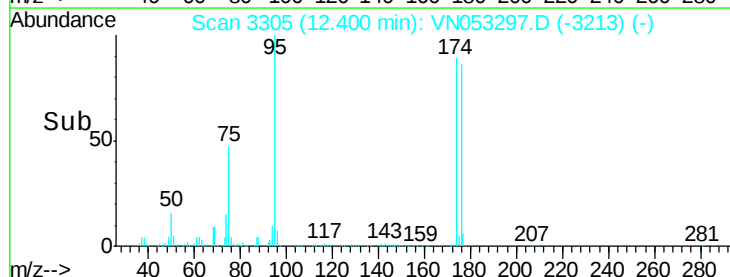
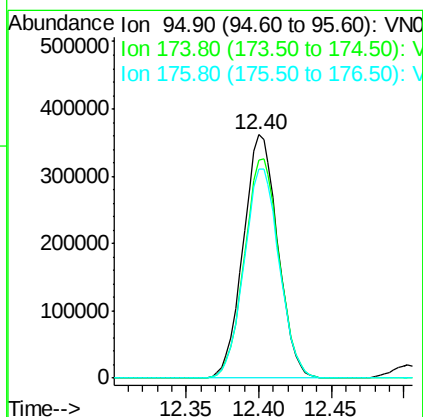
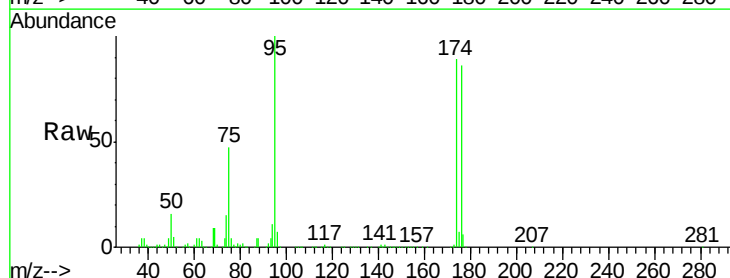
Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

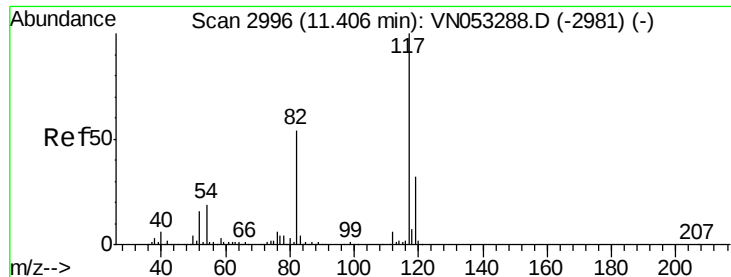
Tot Ion:107 Resp: 175959
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 20.111 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 95 Resp: 600571
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 180.4
 176 87.3 0.0 175.6

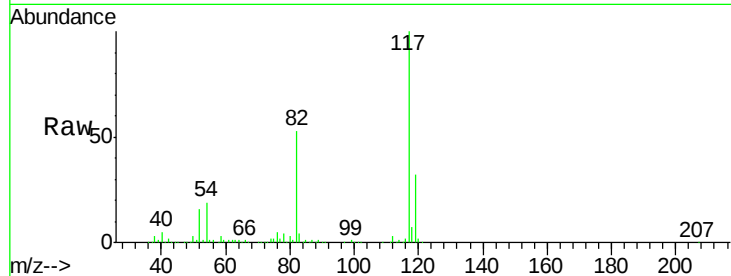




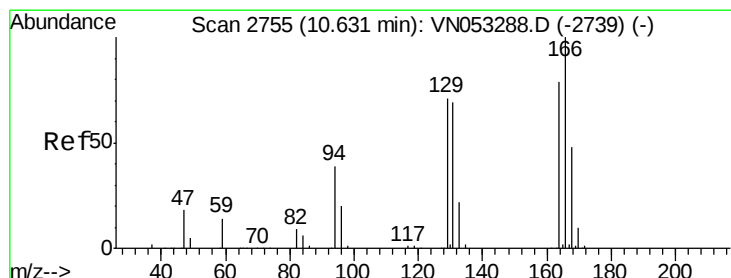
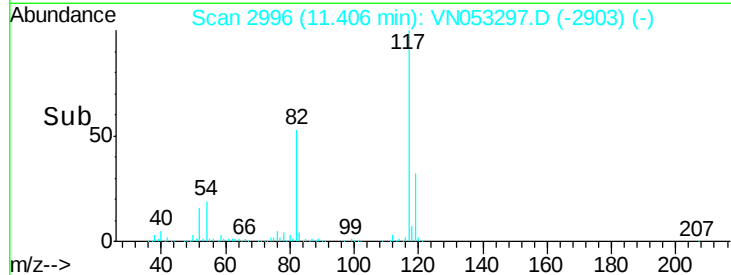
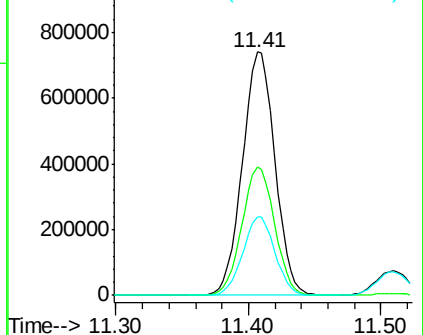
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

Tot Ion:117 Resp: 1263154
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.2 25.6 38.4

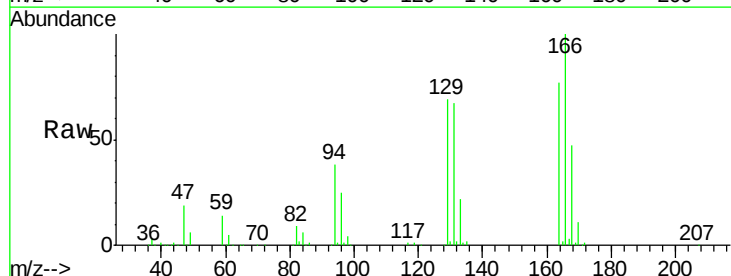


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

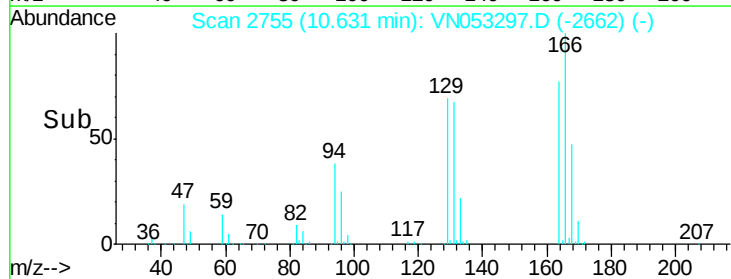
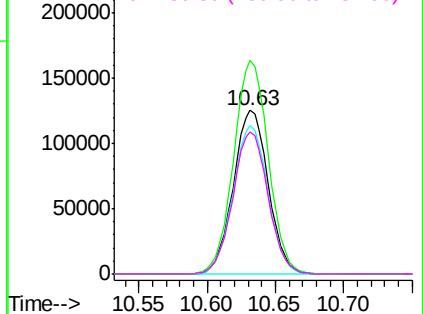


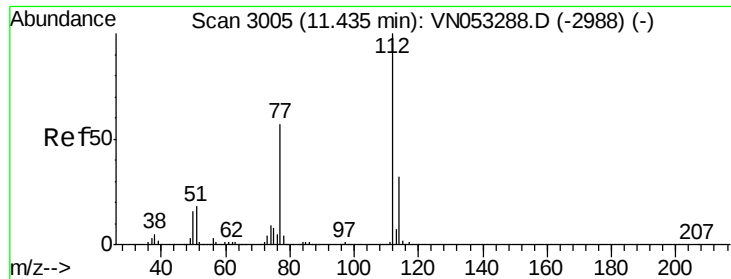
#64
Tetrachloroethene
Concen: 18.684 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion:164 Resp: 222131
Ion Ratio Lower Upper
164 100
166 130.5 101.7 152.5
129 90.4 72.1 108.1
131 87.0 69.9 104.9



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





#65

Chlorobenzene

Concen: 19.856 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

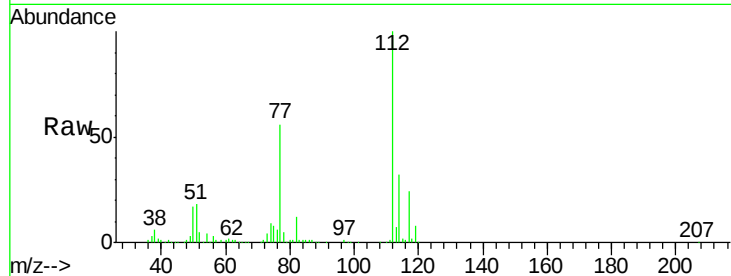
VN0107WBS01

Tot Ion:112 Resp: 544844

Ion Ratio Lower Upper

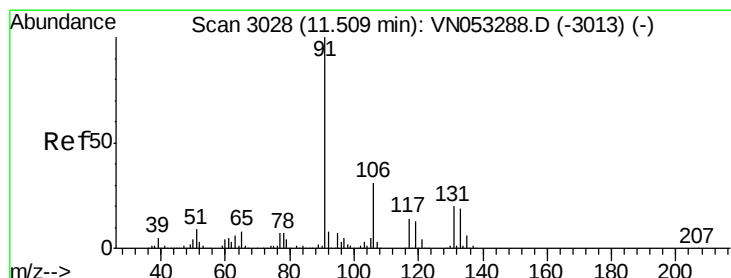
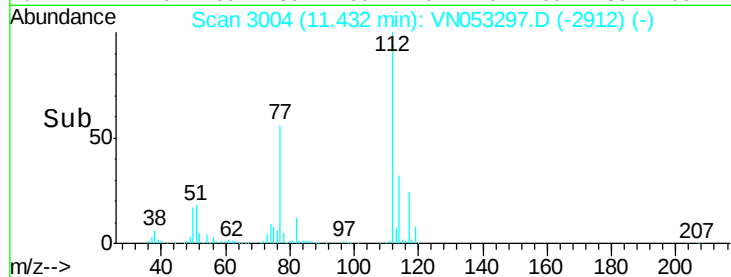
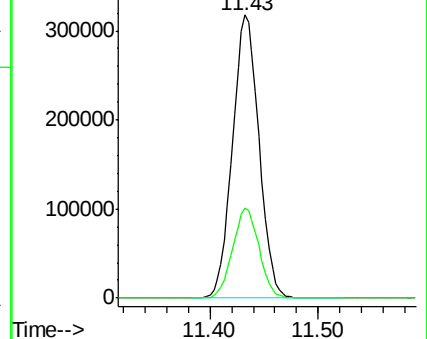
112 100

114 31.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.742 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

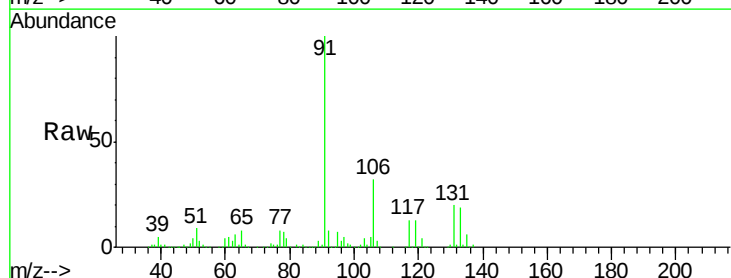
Tgt Ion:131 Resp: 189610

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

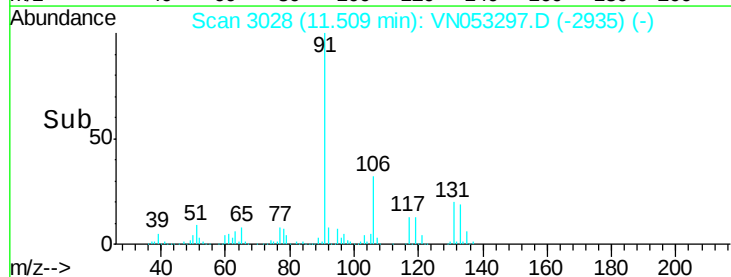
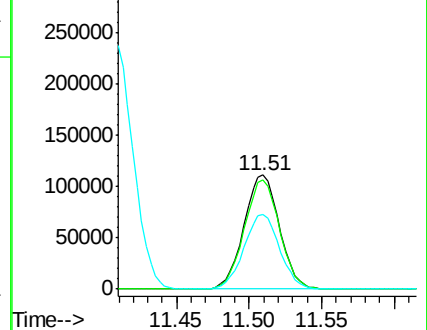
119 65.9 33.3 99.9

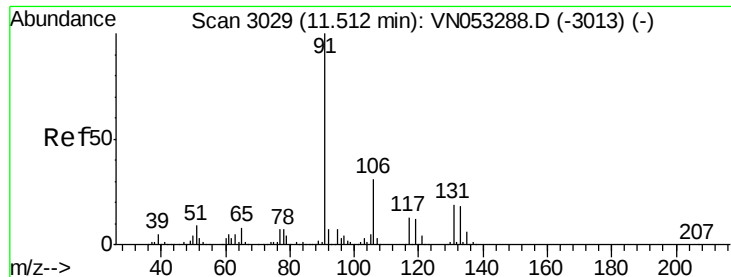


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.900 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

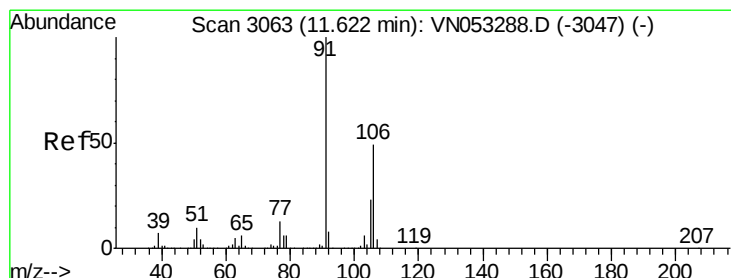
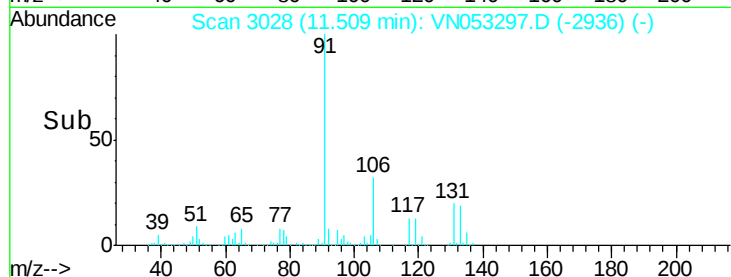
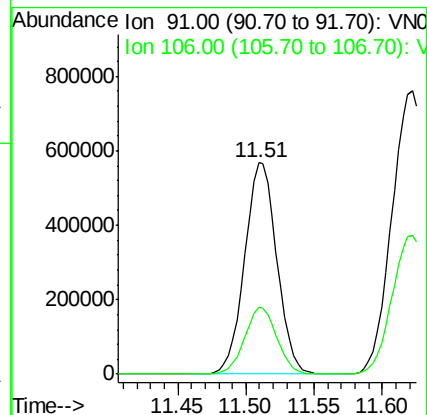
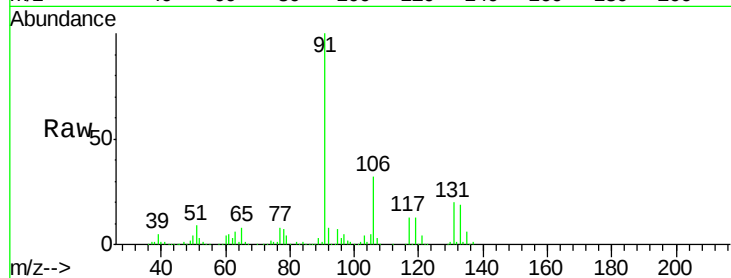
VN0107WBS01

Tot Ion: 91 Resp: 927864

Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4



#68

m/p-Xylenes

Concen: 40.570 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053297.D

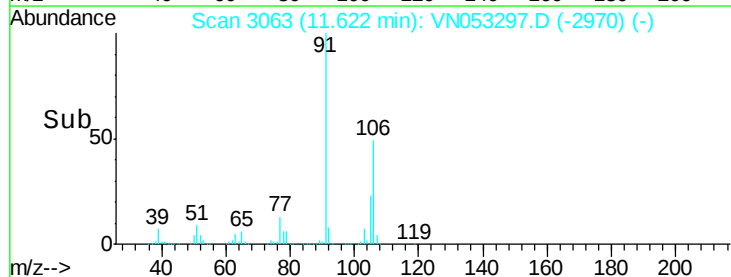
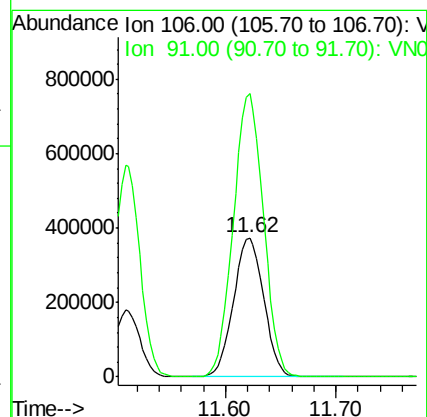
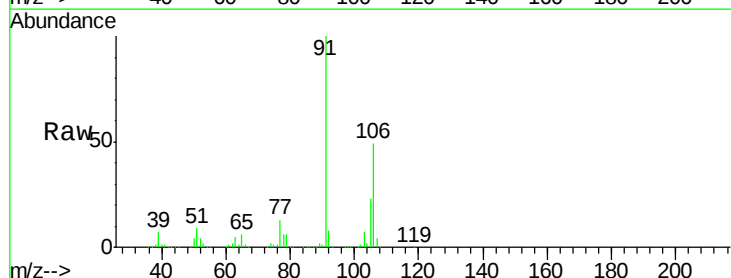
Acq: 7 Jan 2019 11:54

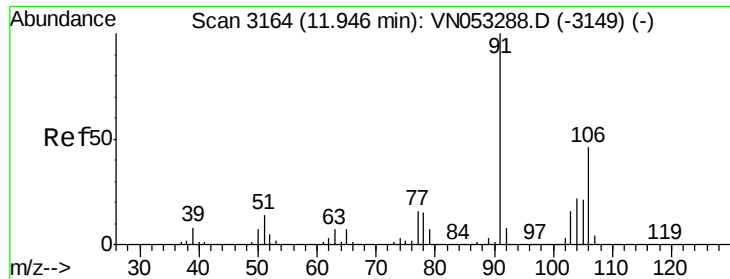
Tgt Ion: 106 Resp: 711324

Ion Ratio Lower Upper

106 100

91 203.1 161.4 242.2

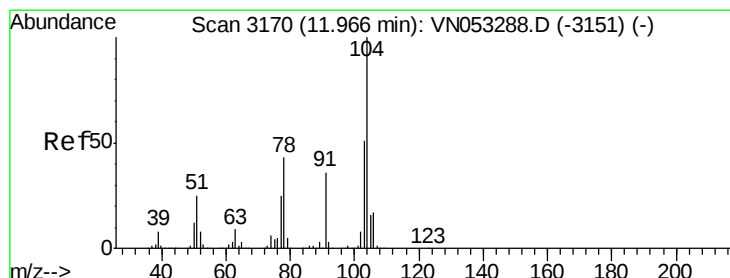
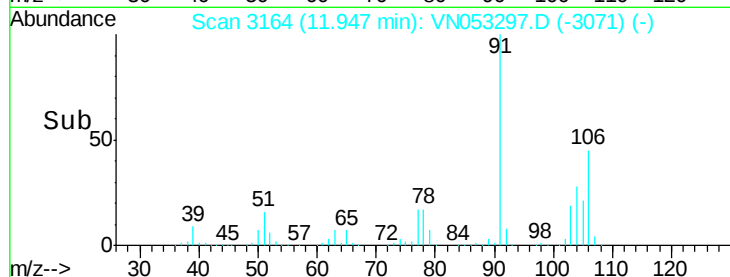
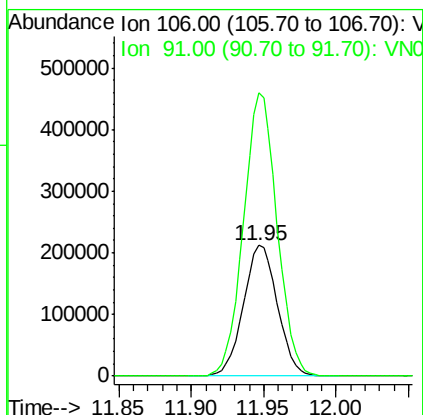
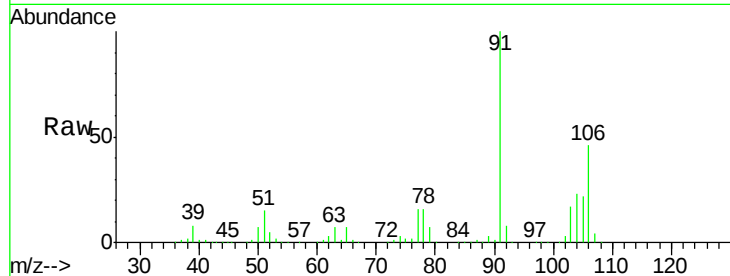




#69
o-Xylene
Concen: 20.157 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

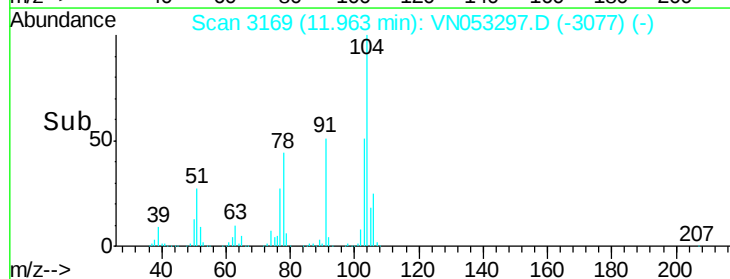
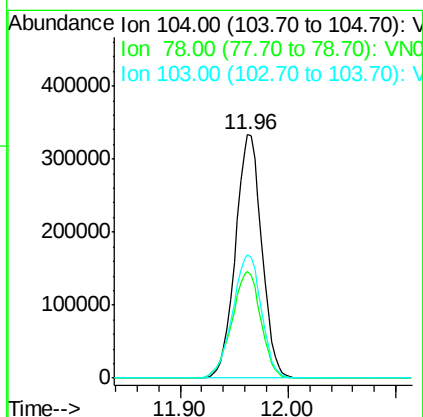
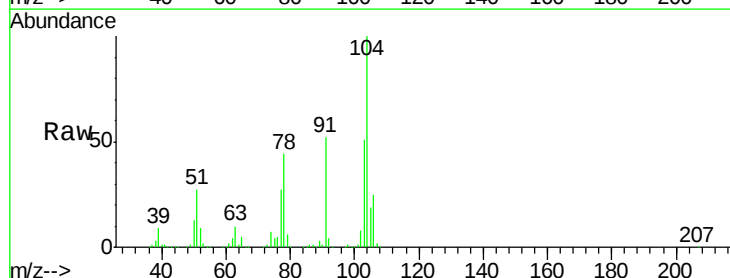
Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

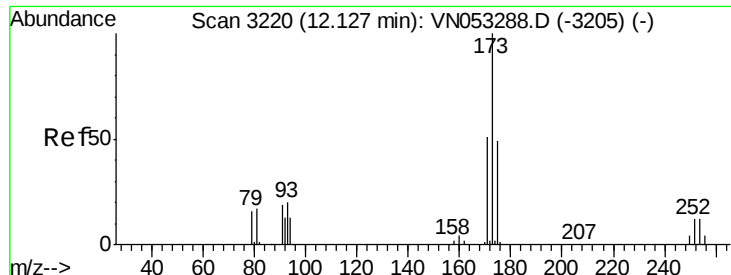
Tot Ion:106 Resp: 345998
Ion Ratio Lower Upper
106 100
91 213.7 106.8 320.4



#70
Styrene
Concen: 20.302 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion:104 Resp: 567166
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.3 44.5 66.7





#71

Bromoform

Concen: 19.915 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

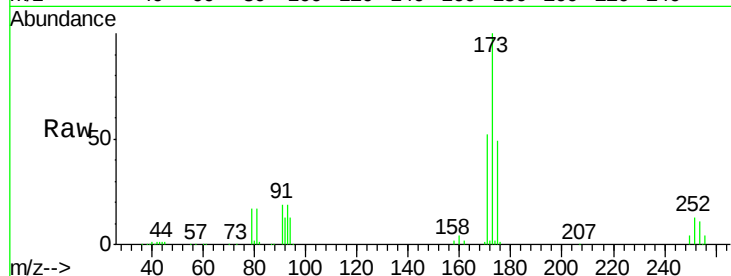
Tot Ion:173 Resp: 135103

Ion Ratio Lower Upper

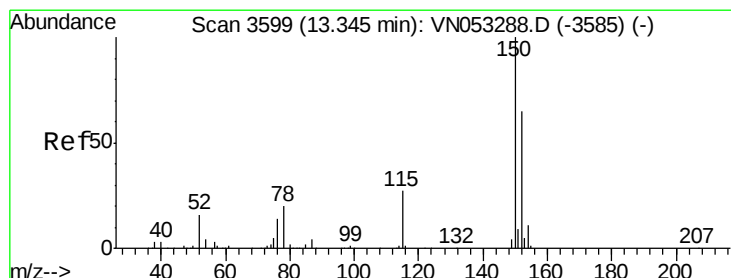
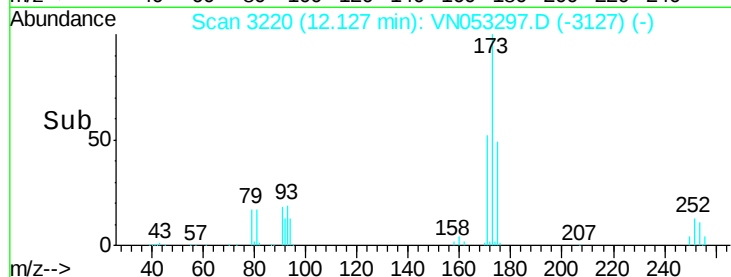
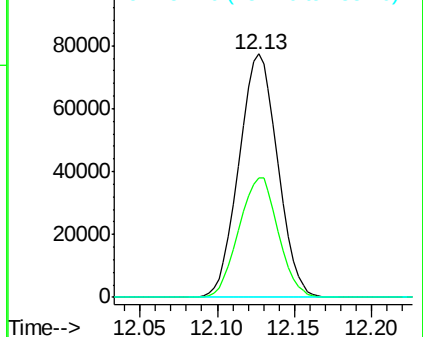
173 100

175 50.0 24.3 72.8

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

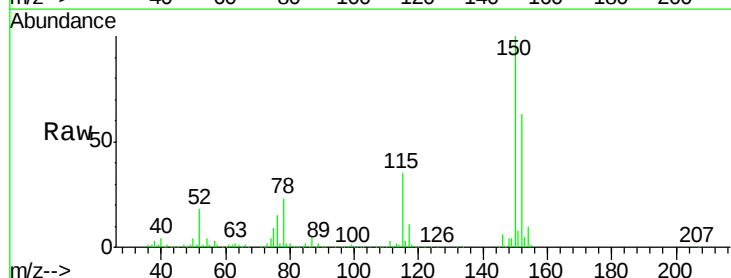
Tgt Ion:152 Resp: 595991

Ion Ratio Lower Upper

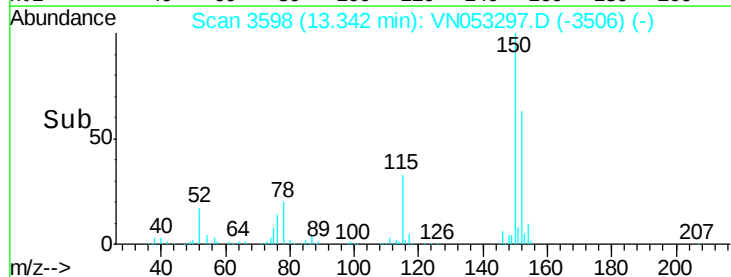
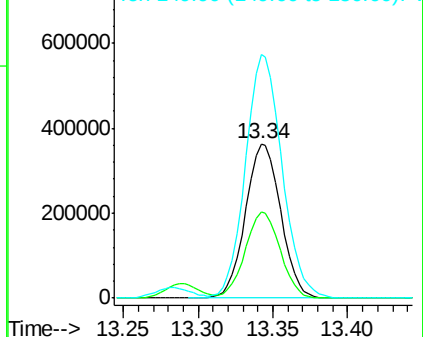
152 100

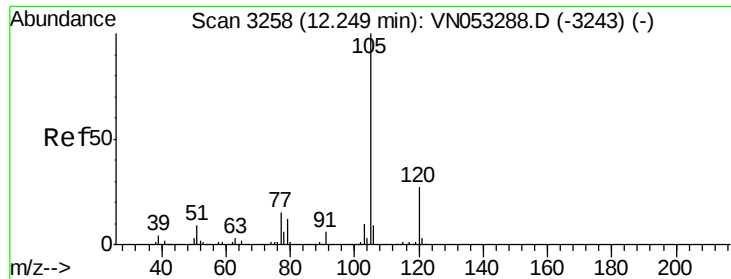
115 55.3 28.0 84.0

150 163.9 0.0 346.6



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: 20.641 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

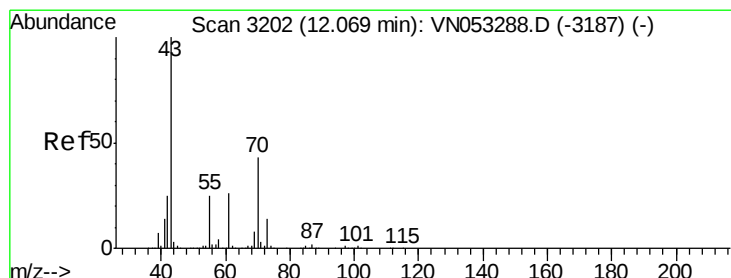
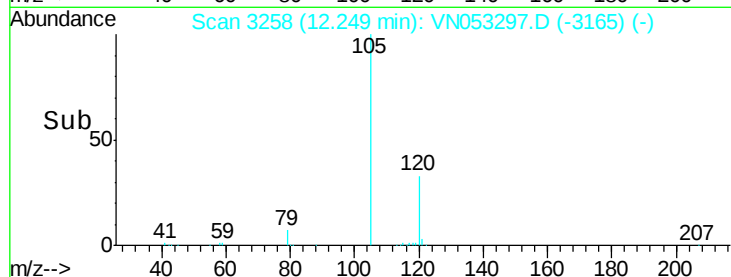
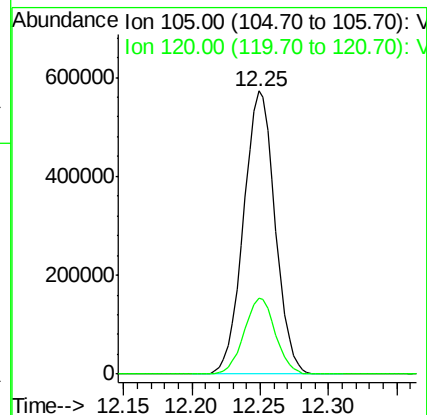
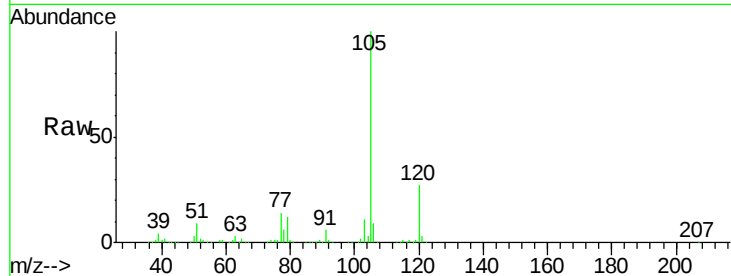
VN0107WBS01

Tot Ion:105 Resp: 915917

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 20.778 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Tgt Ion: 43 Resp: 275315

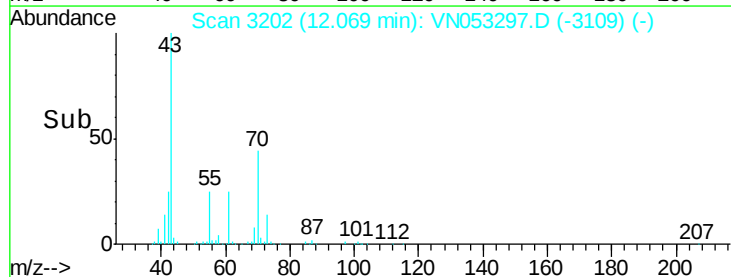
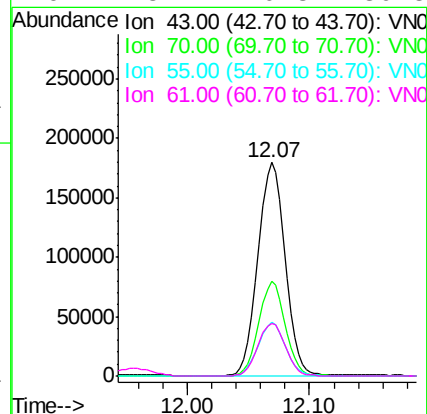
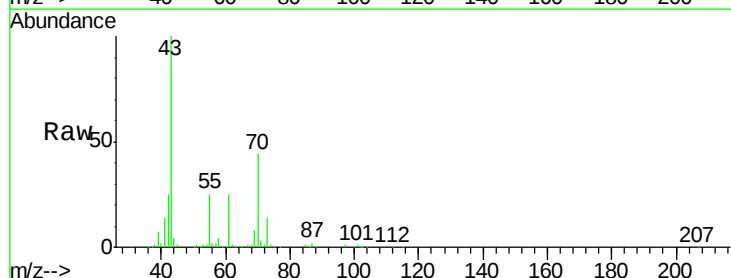
Ion Ratio Lower Upper

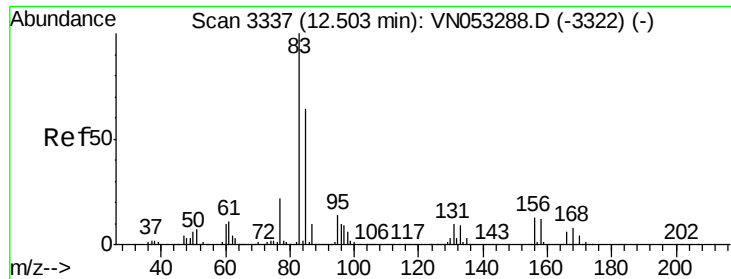
43 100

70 43.2 35.0 52.6

55 25.5 20.0 30.0

61 25.2 20.3 30.5

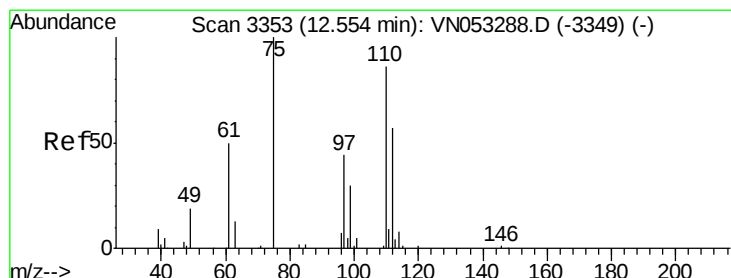
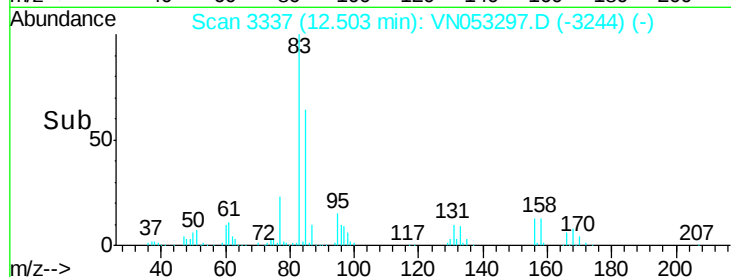
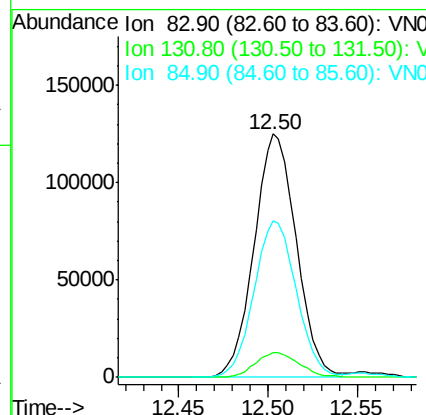
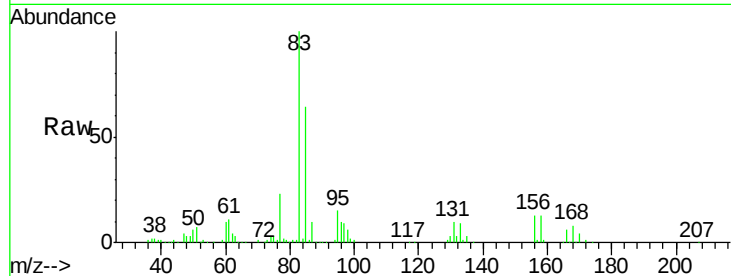




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.276 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

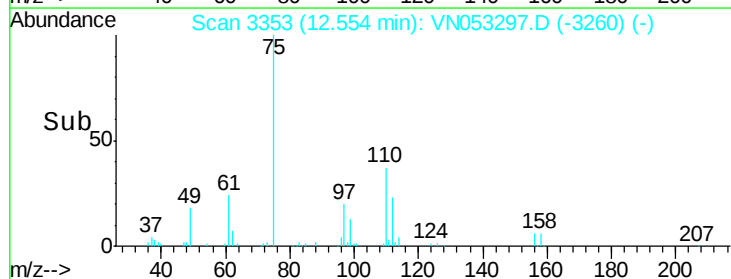
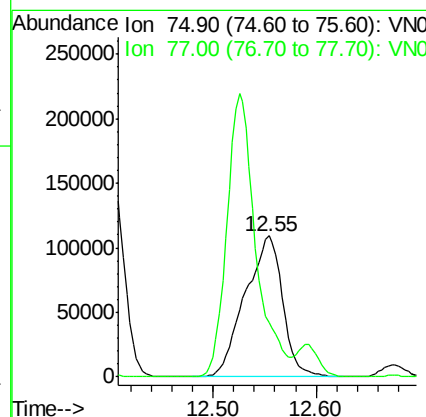
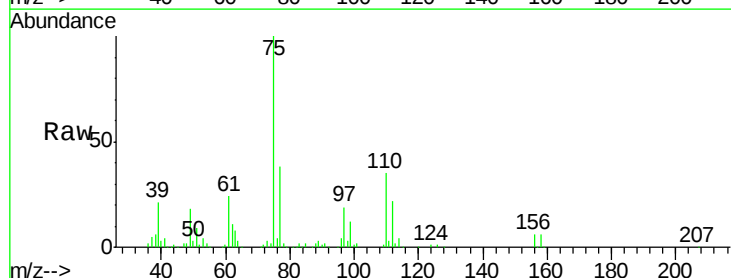
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

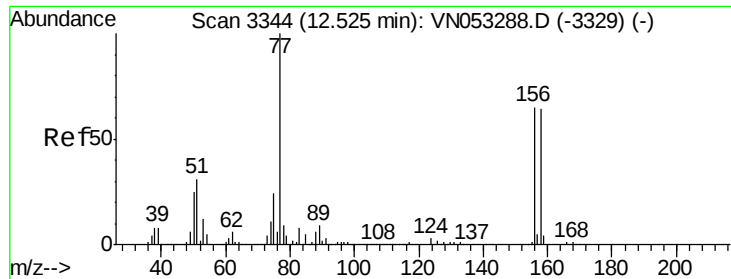
Tot Ion: 83 Resp: 206969
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.3 15.9
 85 64.5 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 31.764 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion: 75 Resp: 276120
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.268 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

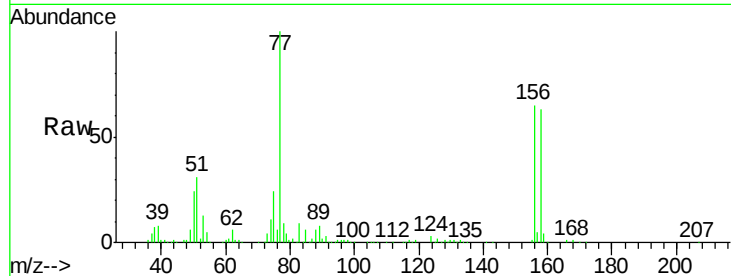
Tot Ion:156 Resp: 240030

Ion Ratio Lower Upper

156 100

77 178.2 89.3 268.1

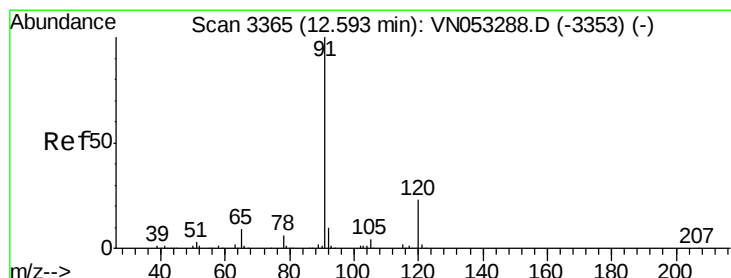
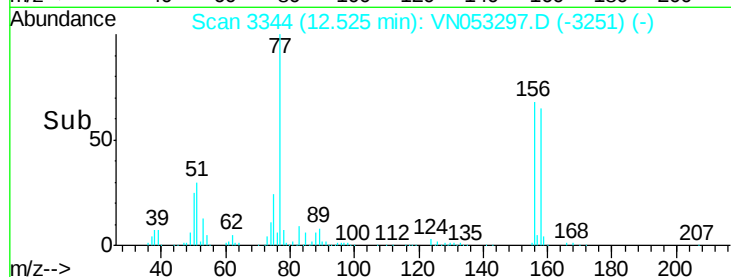
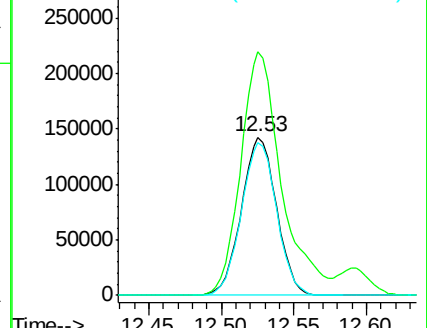
158 97.2 48.9 146.8



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: 20.600 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053297.D

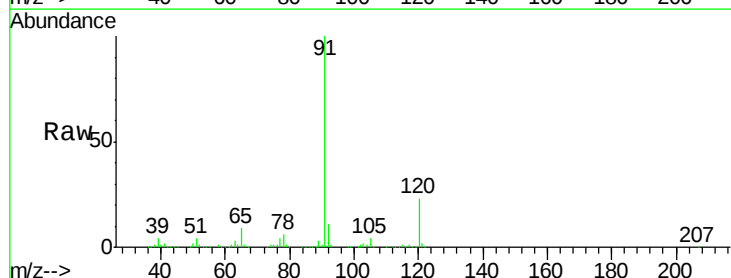
Acq: 7 Jan 2019 11:54

Tgt Ion: 91 Resp: 1033982

Ion Ratio Lower Upper

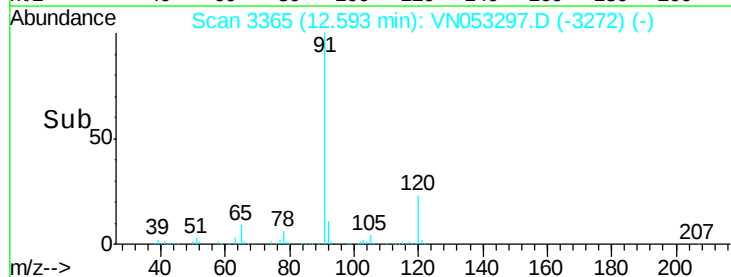
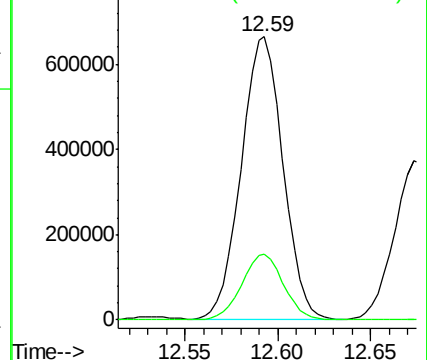
91 100

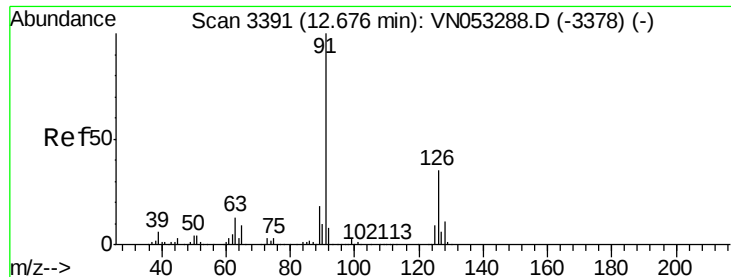
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.308 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

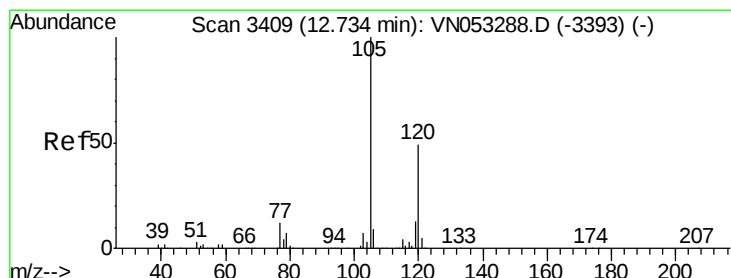
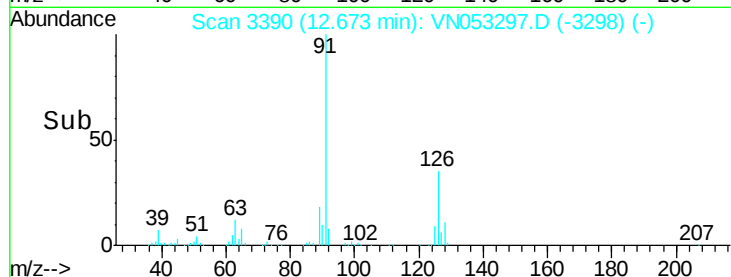
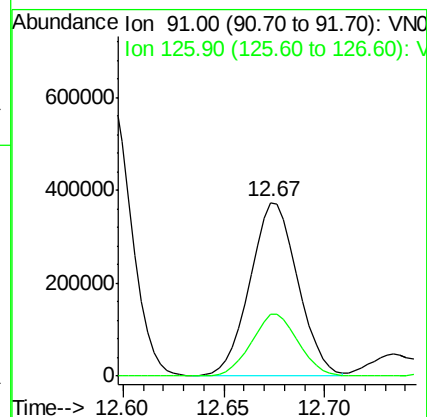
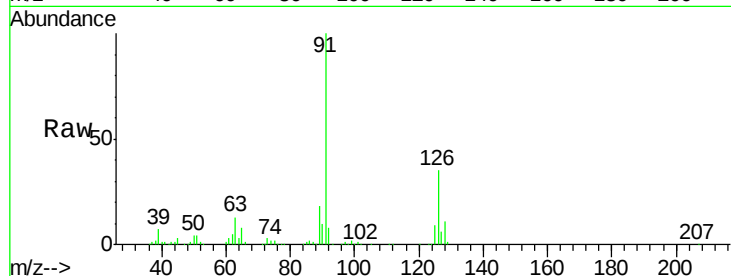
VN0107WBS01

Tot Ion: 91 Resp: 616773

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 20.712 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053297.D

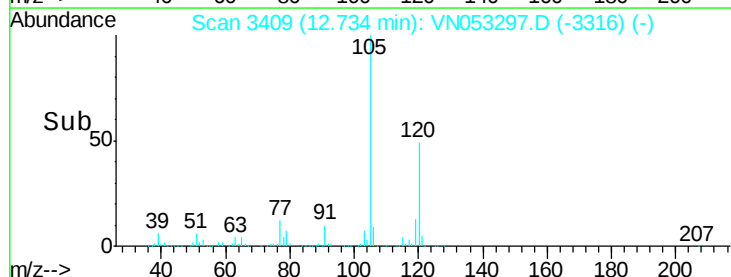
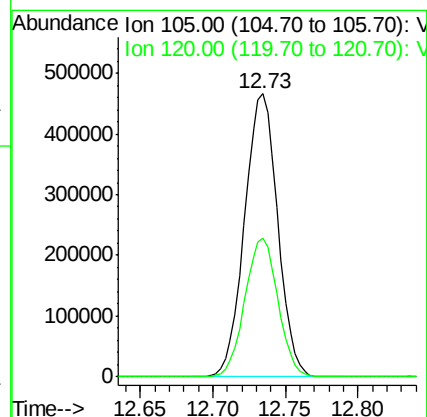
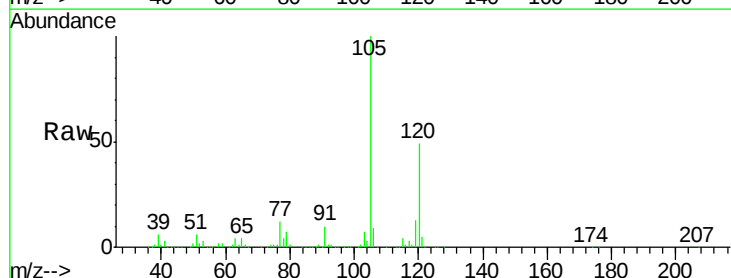
Acq: 7 Jan 2019 11:54

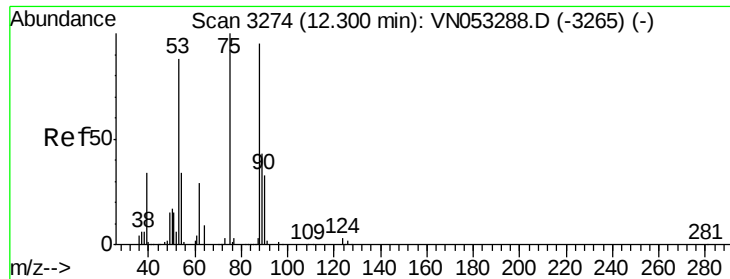
Tgt Ion: 105 Resp: 740318

Ion Ratio Lower Upper

105 100

120 48.9 24.7 74.1

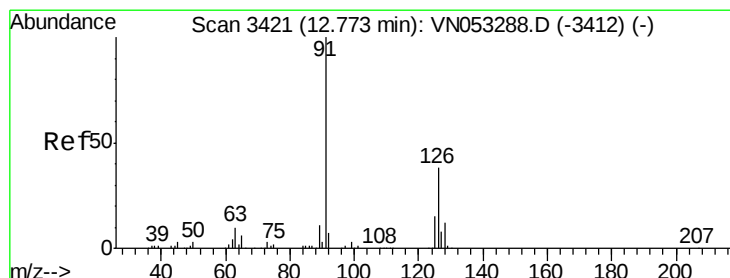
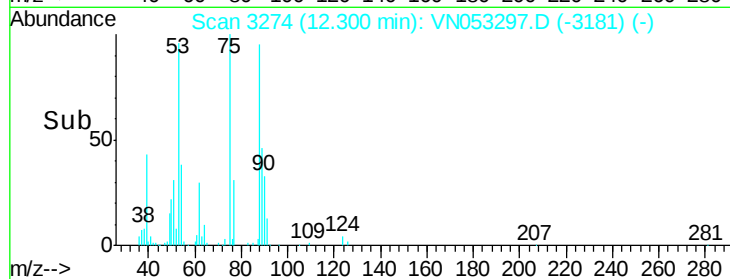
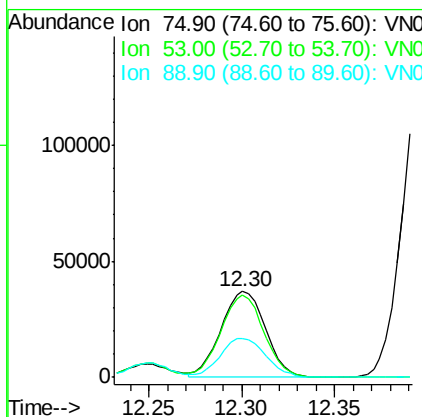
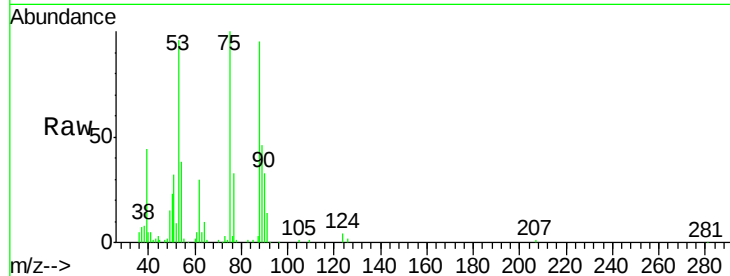




#81
trans-1,4-Dichloro-2-butene
Concen: 21.079 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

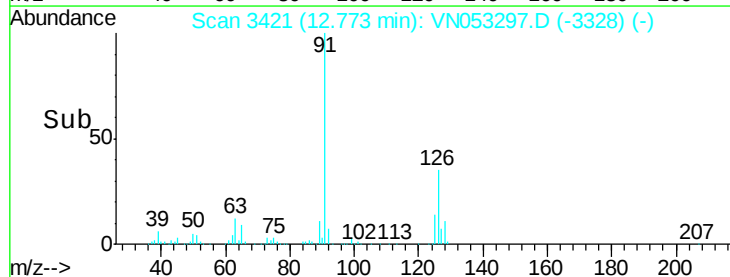
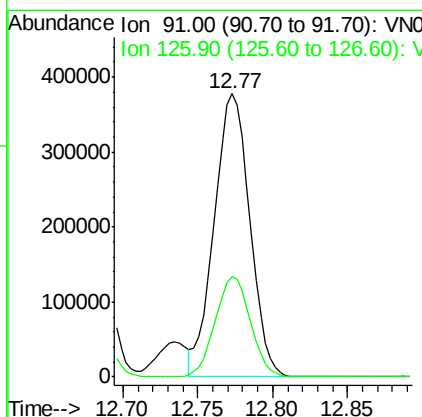
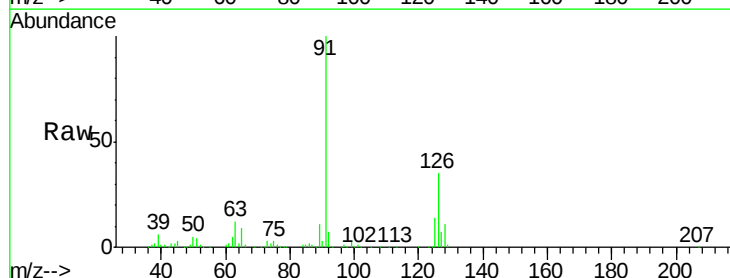
Instrument :
MSVOA_N
ClientSampled :
VN0107WBS01

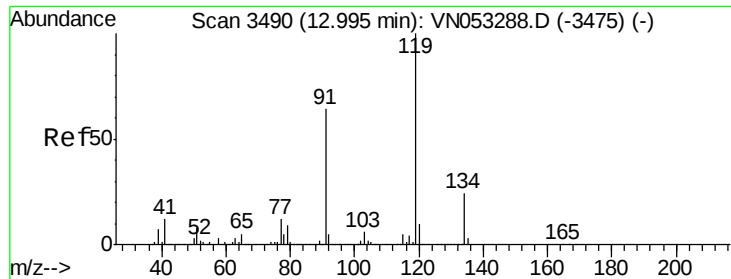
Tot Ion: 75 Resp: 62279
Ion Ratio Lower Upper
75 100
53 92.4 70.5 105.7
89 46.2 35.4 53.0



#82
4-Chlorotoluene
Concen: 20.069 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053297.D
Acq: 7 Jan 2019 11:54

Tgt Ion: 91 Resp: 624991
Ion Ratio Lower Upper
91 100
126 35.1 17.4 52.2

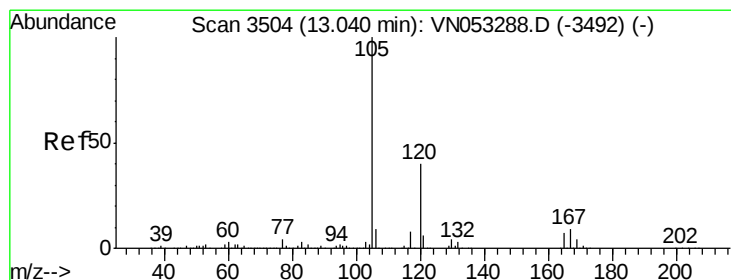
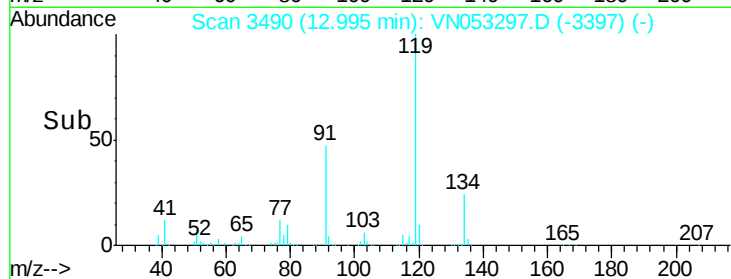
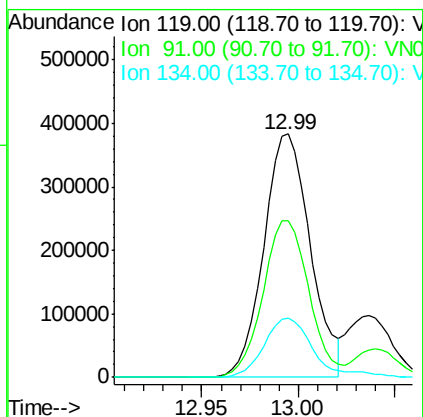
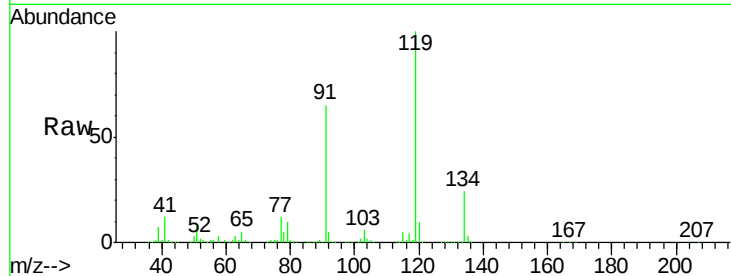




#83
 tert-Butylbenzene
 Concen: 20.480 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

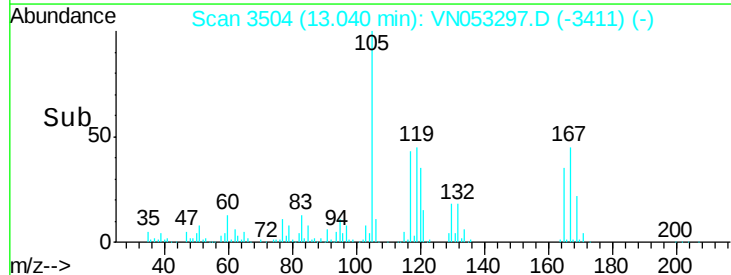
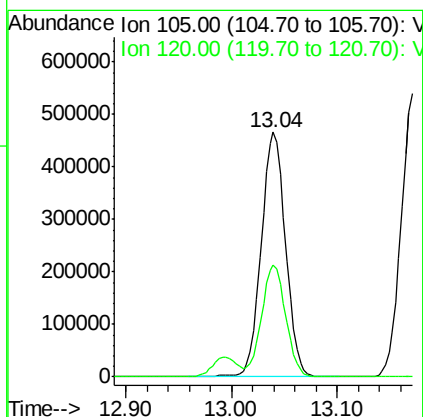
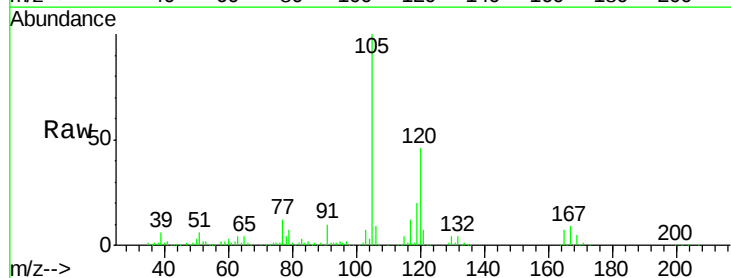
Instrument :
 MSVOA_N
 ClientSampled :
 VN0107WBS01

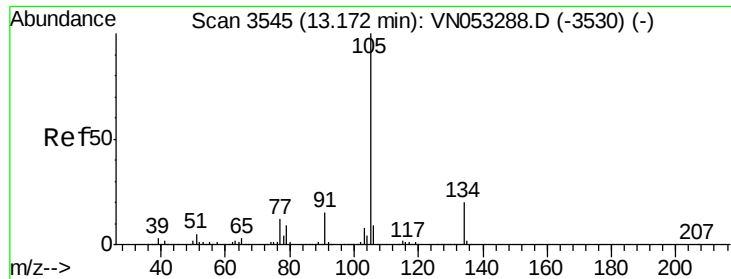
Tot Ion:119 Resp: 642235
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.6 95.0
 134 25.9 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.586 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion:105 Resp: 749618
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.0 69.0

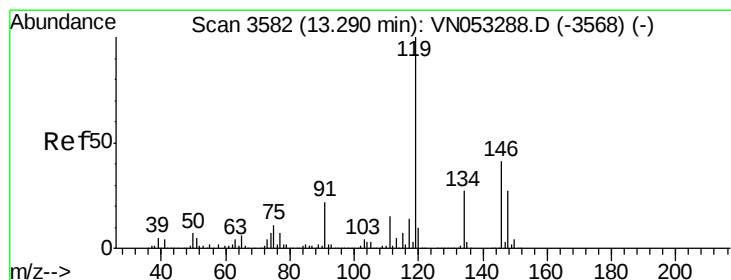
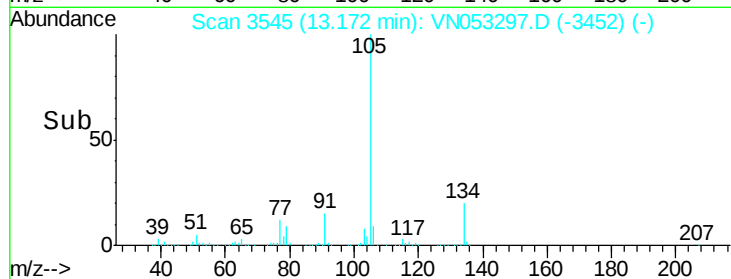
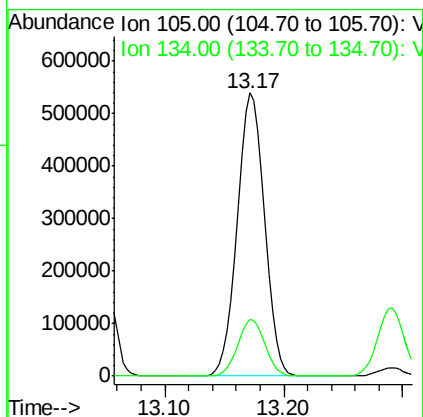
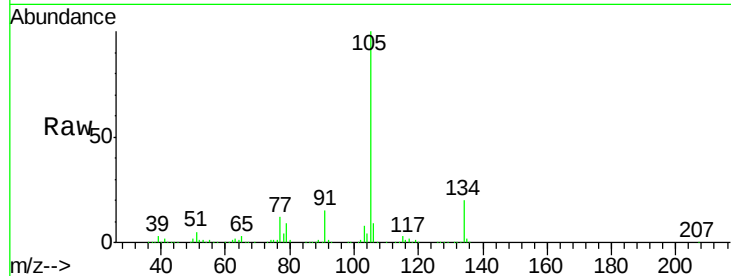




#85
 sec-Butylbenzene
 Concen: 20.706 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

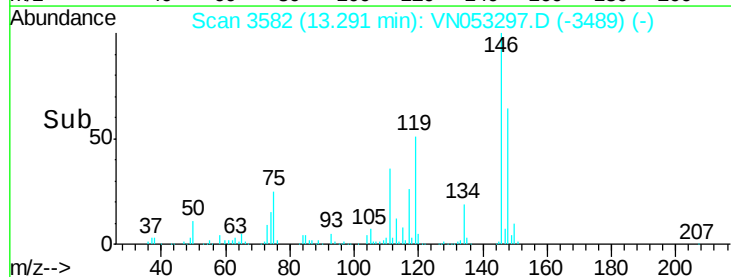
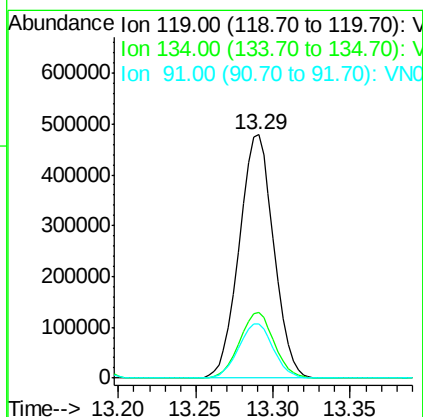
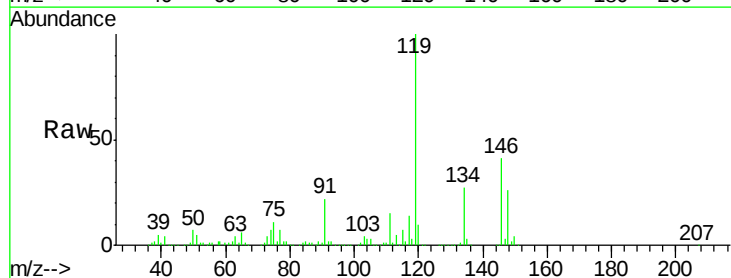
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

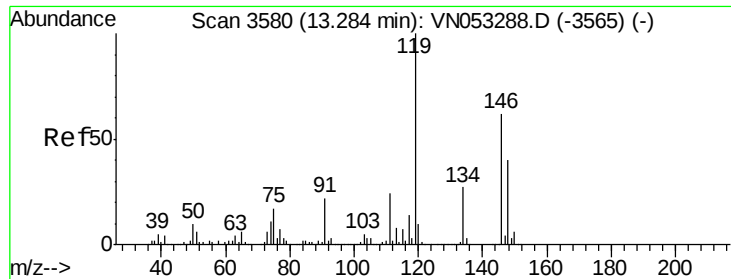
Tot Ion:105 Resp: 856332
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 20.672 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion:119 Resp: 740210
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 22.3 11.1 33.1

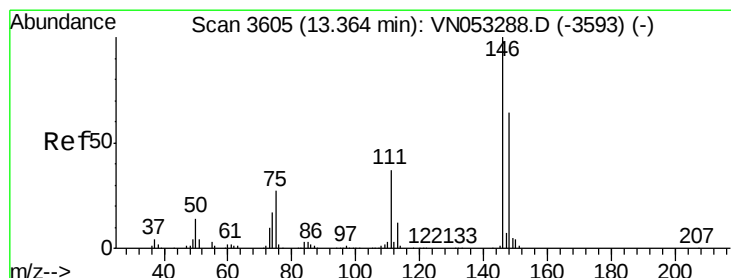
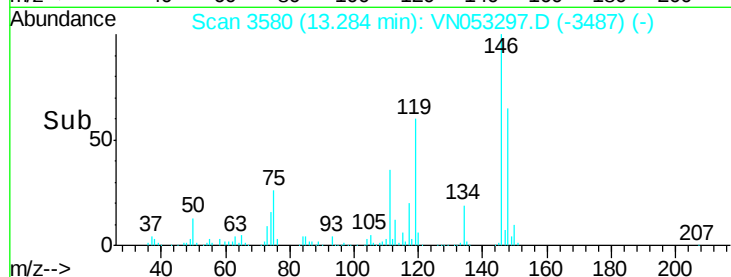
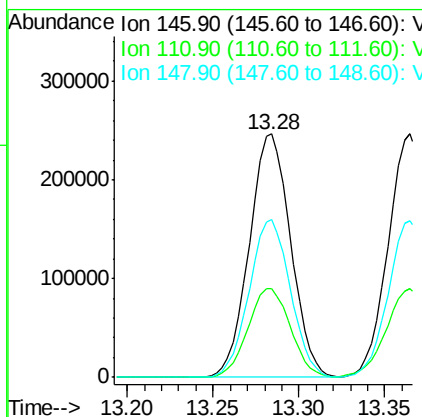
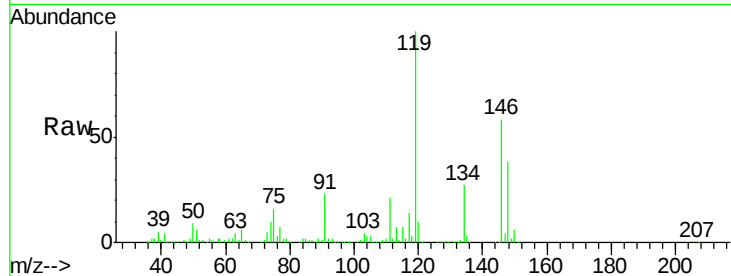




#87
 1,3-Dichlorobenzene
 Concen: 19.704 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

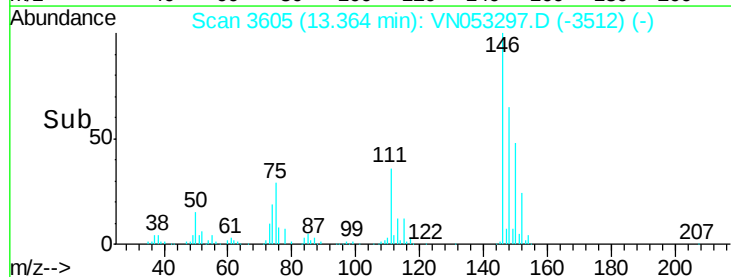
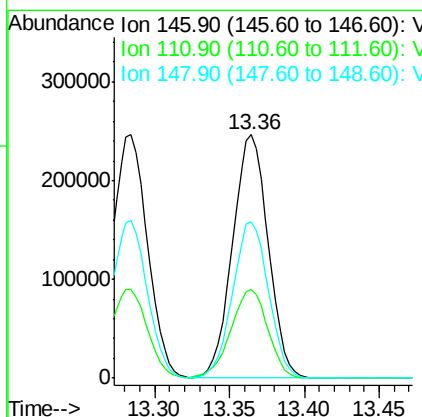
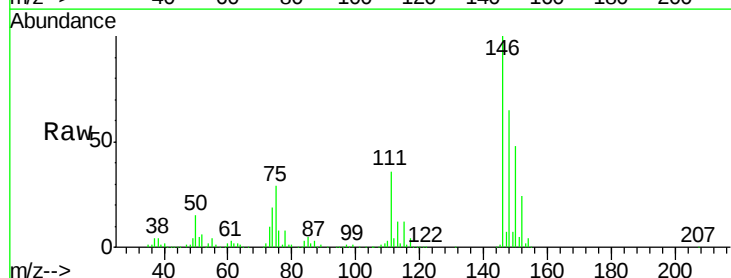
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

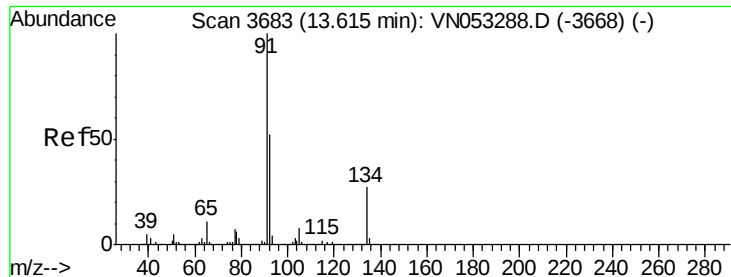
Tot Ion:146 Resp: 410934
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.5
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.745 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion:146 Resp: 408485
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 20.017 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VN0107WBS01

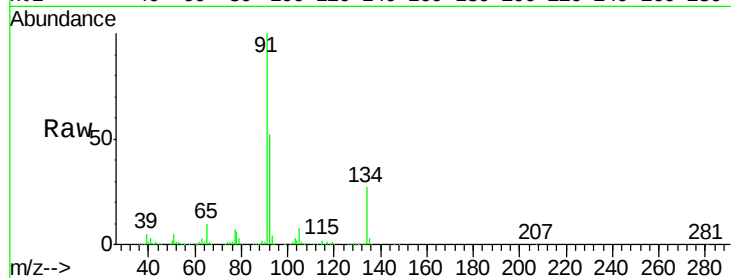
Tot Ion: 91 Resp: 600939

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.8

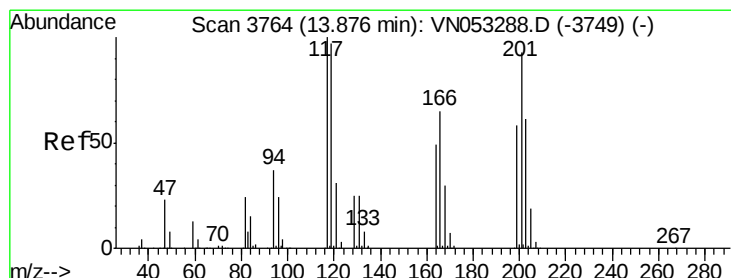
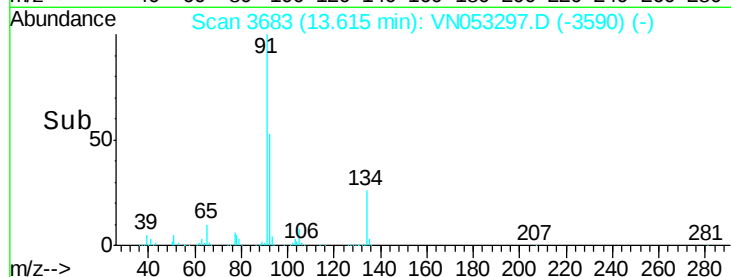
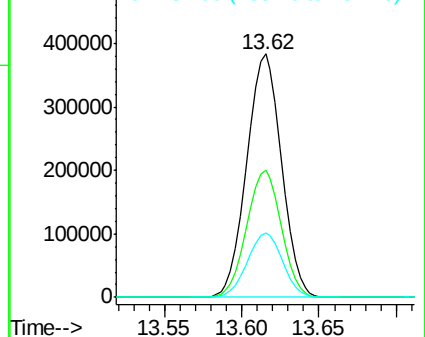
134 26.7 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053288.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053288.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.382 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053297.D

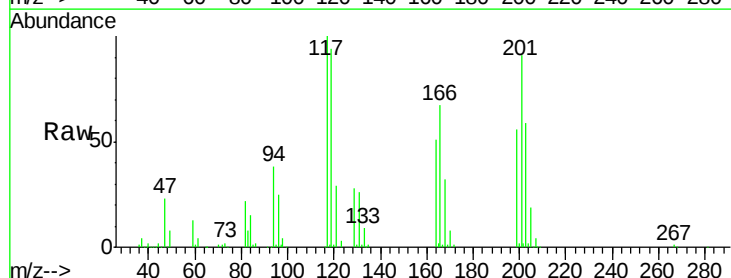
Acq: 7 Jan 2019 11:54

Tgt Ion: 117 Resp: 116980

Ion Ratio Lower Upper

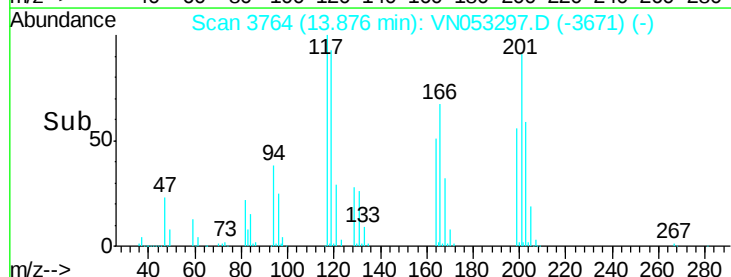
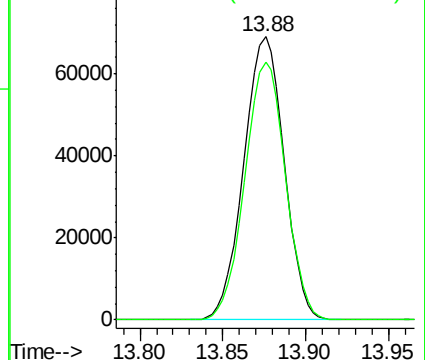
117 100

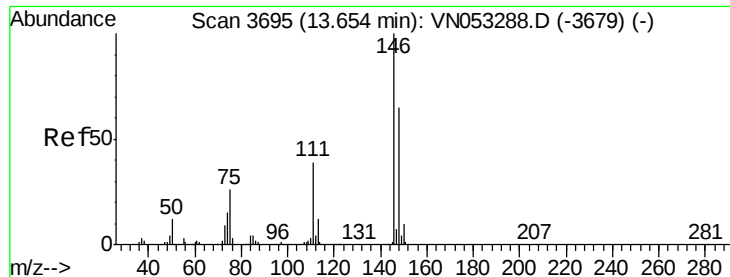
201 91.5 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053288.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053288.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.094 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

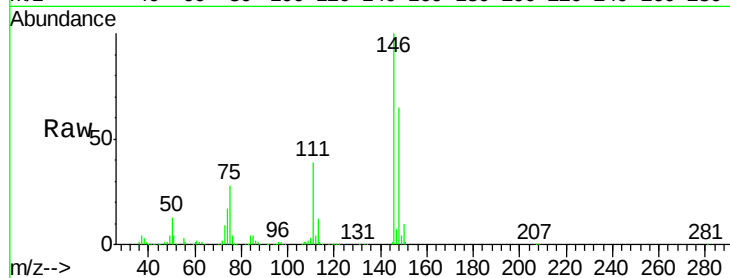
Tot Ion:146 Resp: 392549

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.2

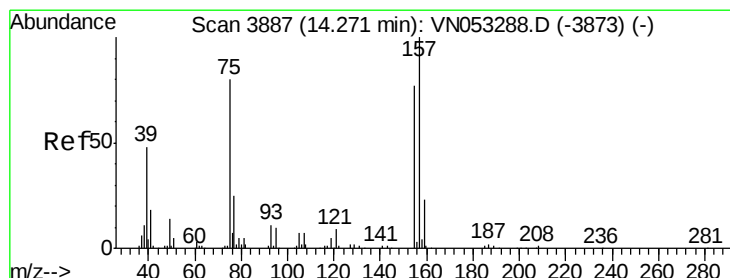
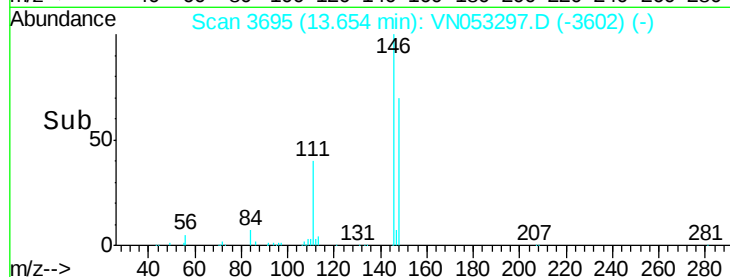
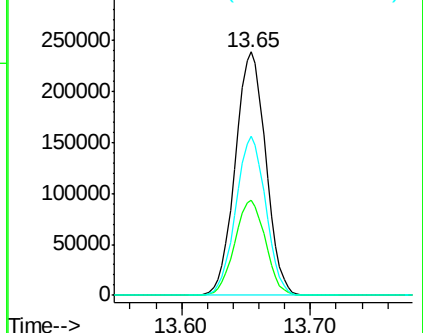
148 64.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.046 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

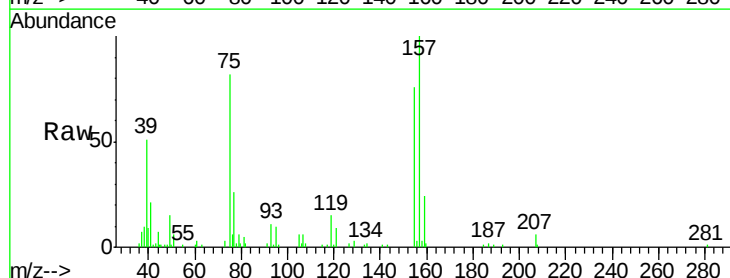
Tgt Ion: 75 Resp: 26057

Ion Ratio Lower Upper

75 100

155 95.2 48.1 144.3

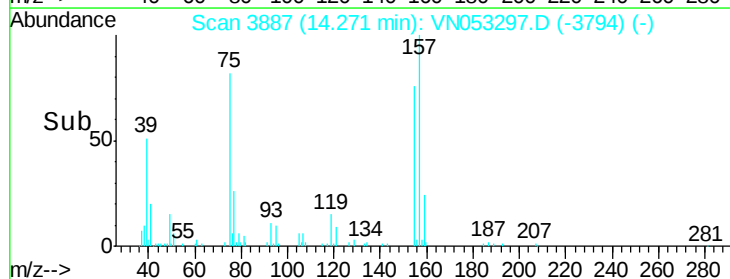
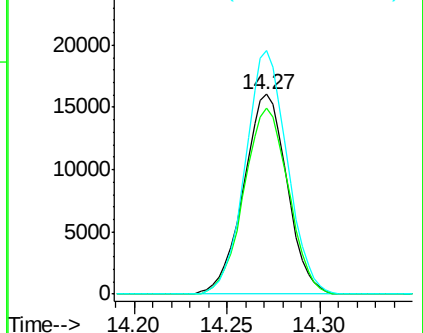
157 117.6 61.5 184.4

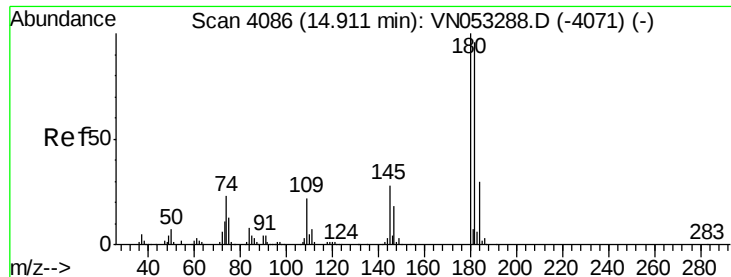


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

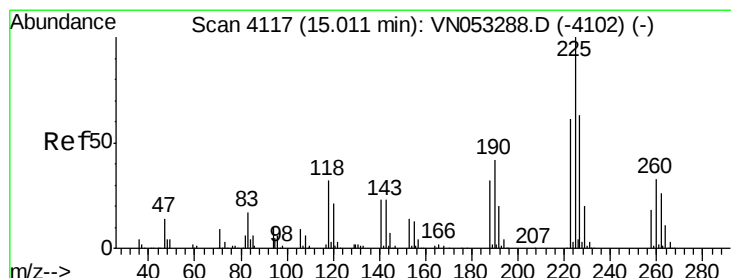
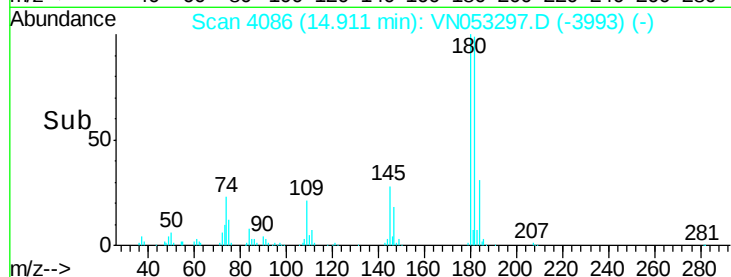
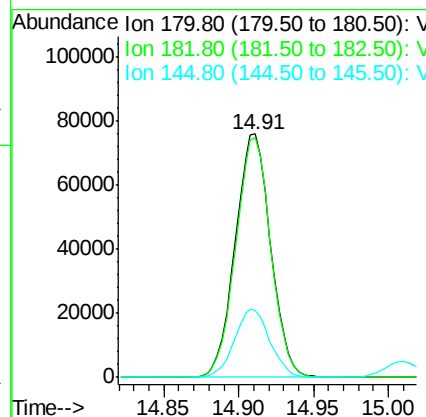
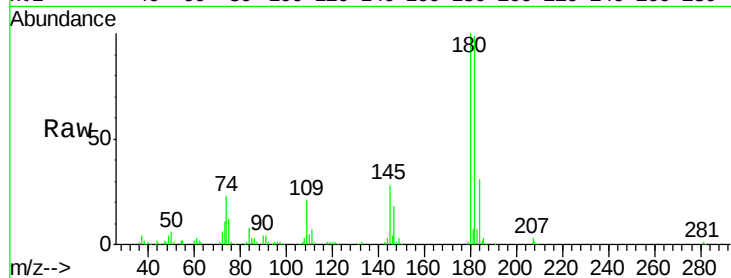




#93
 1,2,4-Trichlorobenzene
 Concen: 20.365 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

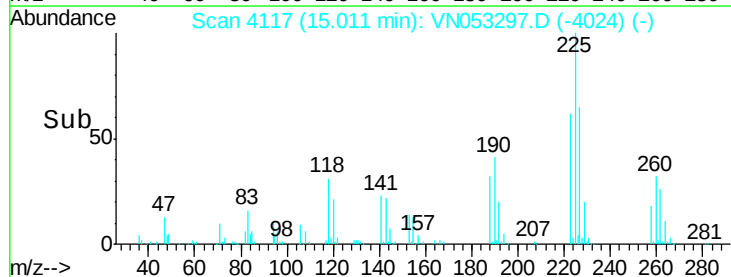
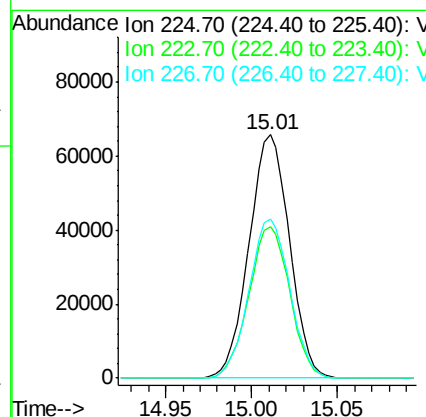
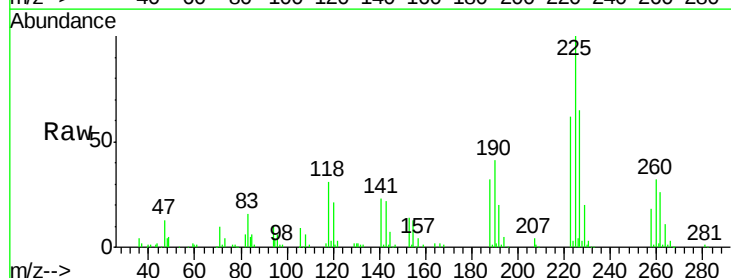
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBS01

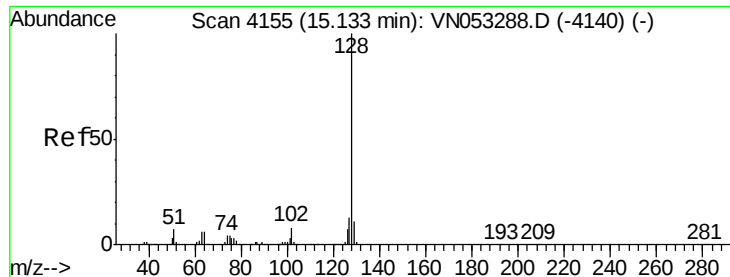
Tot Ion:180 Resp: 125088
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.8 143.4
 145 28.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.336 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053297.D
 Acq: 7 Jan 2019 11:54

Tgt Ion:225 Resp: 107194
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.8
 227 66.0 31.4 94.2





#95

Naphthalene

Concen: 20.795 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0107WBS01

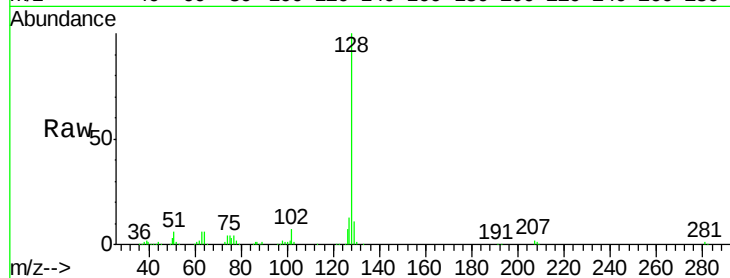
Tot Ion:128 Resp: 217905

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

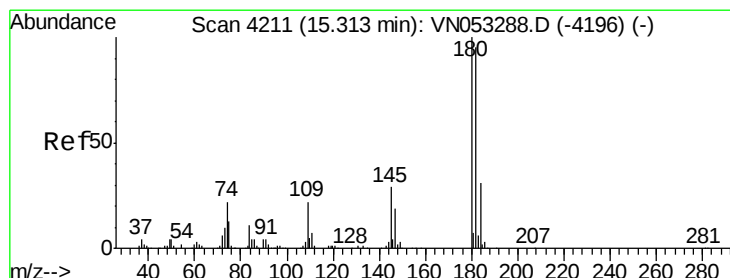
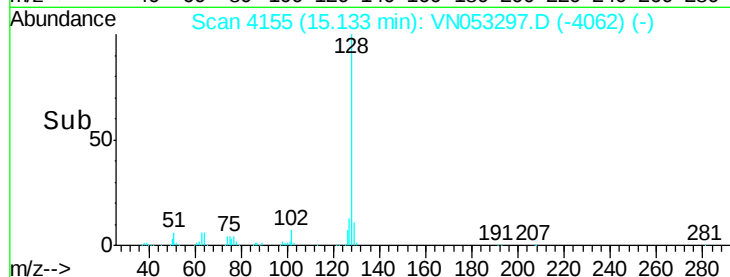
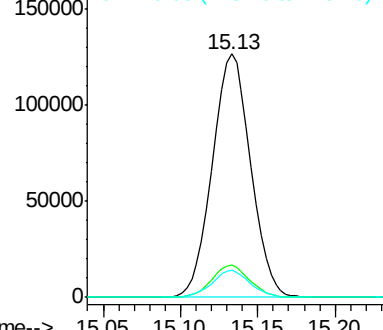
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.801 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053297.D

Acq: 7 Jan 2019 11:54

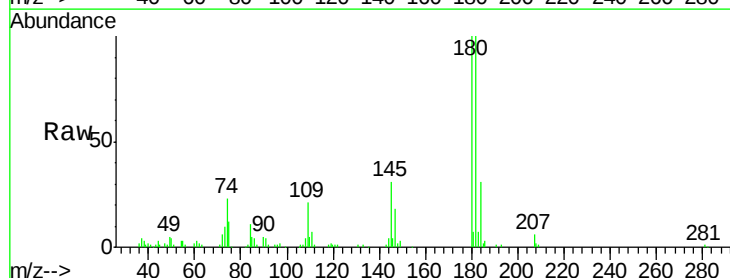
Tgt Ion:180 Resp: 79632

Ion Ratio Lower Upper

180 100

182 97.5 48.4 145.0

145 30.7 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

