

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051179.D
 Acq On : 14 Sep 2018 10:42
 Operator : MD\SY
 Sample : VN0914WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Quant Time: Sep 14 15:26:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	104635	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	568307	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	485049	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	194101	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	12.40	95	210639	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	10.09	98	692301	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	97735	15.041	ug/l 100
3) Chloromethane	2.06	50	130232	16.973	ug/l 99
4) Vinyl Chloride	2.18	62	135394	17.859	ug/l 99
5) Bromomethane	2.57	94	73900	15.991	ug/l 98
6) Chloroethane	2.70	64	82904	18.539	ug/l 98
7) Trichlorofluoromethane	3.02	101	189771	18.881	ug/l 97
8) Diethyl Ether	3.41	74	64546	18.215	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121430	19.510	ug/l 98
10) 1,1-Dichloroethene	3.74	96	106241	18.791	ug/l 98
11) Methyl Iodide	3.95	142	84363	15.992	ug/l 98
12) Methyl Acetate	4.33	43	92973	14.221	ug/l 99
13) Acrolein	3.61	56	28404	196.204	ug/l 97
14) Acrylonitrile	5.00	53	185894	84.097	ug/l 96
15) Acetone	3.82	58	45785	80.944	ug/l 95
16) Carbon Disulfide	4.05	76	305186	17.952	ug/l 99
17) Allyl chloride	4.32	41	159856	17.969	ug/l 96
18) Methylene Chloride	4.55	84	131715	19.848	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	118121	19.609	ug/l 96
20) Diisopropyl ether	5.96	45	360253	19.509	ug/l 99
21) 1,1-Dichloroethane	5.85	63	224135	19.796	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	135836	19.962	ug/l 98
23) tert-Butyl Alcohol	4.79	59	35657	75.850	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	283006	18.301	ug/l 99
25) Chloroform	7.37	83	228089	20.184	ug/l 97
26) Cyclohexane	7.65	56	172827	18.424	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	164459	19.330	ug/l 98
30) 2-Butanone	6.84	43	197021	75.275	ug/l 100
31) 2,2-Dichloropropane	6.83	77	173093	20.908	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	194574	20.167	ug/l 99
33) Carbon Tetrachloride	7.78	117	171371	19.724	ug/l 96
34) Benzene	8.04	78	517611	19.666	ug/l 99
35) Methacrylonitrile	7.18	41	47822	16.677	ug/l 96
36) 1,2-Dichloroethane	8.13	62	153640	19.301	ug/l 100
37) Trichloroethene	8.84	130	134934	19.614	ug/l 100
38) Methylcyclohexane	9.08	83	168184	18.405	ug/l 99
39) 1,2-Dichloropropane	9.12	63	136501	19.857	ug/l 99
40) Dibromomethane	9.21	93	79705	19.248	ug/l 96

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0914WBS01

Quant Time: Sep 14 15:26:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	171663	19.666	ug/l	98
42) Vinyl Acetate	5.90	43	1095248	90.848	ug/l	99
43) Ethyl Acetate	6.93	43	86508	16.134	ug/l	98
44) Isopropyl Acetate	8.17	43	160602	16.974	ug/l	97
45) 1,4-Dioxane	9.20	88	21885	311.384	ug/l	97
46) Methyl methacrylate	9.20	41	75275	15.886	ug/l	97
47) n-amyl Acetate	12.07	43	106120	13.951	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	155801	18.208	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	190332	19.364	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	117177	19.475	ug/l	99
51) Ethyl methacrylate	10.43	69	123375	16.760	ug/l	98
52) 1,3-Dichloropropane	10.71	76	188723	18.937	ug/l	100
53) Dibromochloromethane	10.90	129	131204	19.178	ug/l	99
54) 1,2-Dibromoethane	11.00	107	107907	18.138	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	233322	76.174	ug/l	99
56) Bromoform	12.13	173	84656	17.398	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	439609	79.213	ug/l	98
59) 2-Hexanone	10.75	43	265682	73.240	ug/l	99
61) Tetrachloroethene	10.63	164	124805	20.649	ug/l	97
62) Toluene	10.16	91	547964	20.250	ug/l	99
64) Chlorobenzene	11.44	112	336323	20.054	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	133933	21.151	ug/l	99
66) Ethyl Benzene	11.51	91	547233	19.523	ug/l	99
67) m/p-Xylenes	11.62	106	434016	40.243	ug/l	100
68) o-Xylene	11.95	106	209463	20.326	ug/l	98
69) Styrene	11.96	104	320291	19.549	ug/l	99
70) Isopropylbenzene	12.25	105	547824	20.006	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	134223	18.104	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	148876	23.275	ug/l	93
73) Bromobenzene	12.53	156	136973	19.012	ug/l	97
74) n-propylbenzene	12.59	91	584899	18.893	ug/l	98
75) 2-Chlorotoluene	12.67	91	371360	19.745	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	453875	20.283	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27731	15.218	ug/l	96
78) 4-Chlorotoluene	12.77	91	348417	18.814	ug/l	98
79) tert-butylbenzene	12.99	119	384785	19.800	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	441853	19.805	ug/l	100
81) sec-Butylbenzene	13.17	105	496110	19.511	ug/l	100
82) p-Isopropyltoluene	13.29	119	419218	19.101	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	224178	18.405	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	202778	17.570	ug/l	97
85) n-Butylbenzene	13.62	91	280015	16.721	ug/l	99
86) Hexachloroethane	13.87	117	81747	19.405	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	224725	18.744	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15153	14.609	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	67227	12.595	ug/l	98
90) Hexachlorobutadiene	15.01	225	73464	20.258	ug/l	98
91) Naphthalene	15.13	128	117050	15.593	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	73723	13.765	ug/l	99

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Instrument :
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ClientSampleId :
VN0914WBS01

Quant Time: Sep 14 15:26:13 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

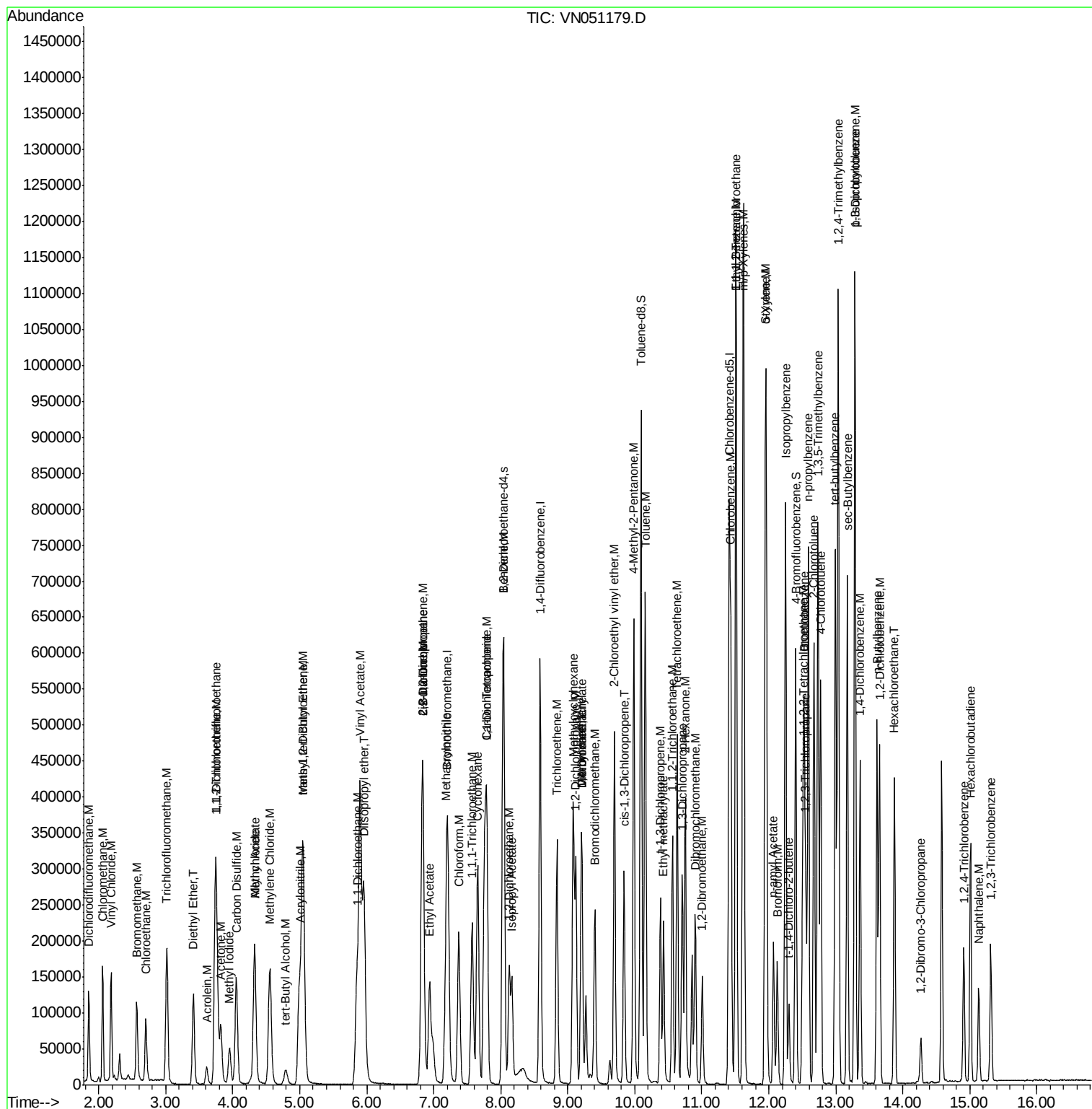
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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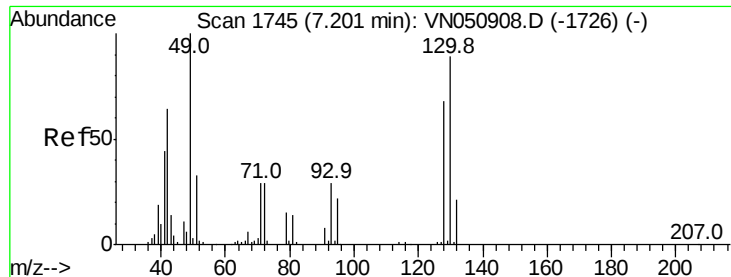
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051179.D
Acq On : 14 Sep 2018 10:42
Operator : MD\SY
Sample : VN0914WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Quant Time: Sep 14 15:26:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

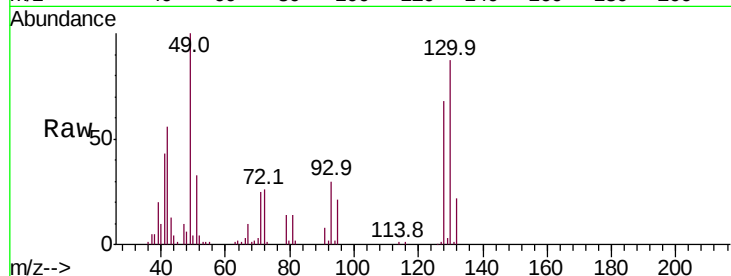
Tot Ion:128 Resp: 104635

Ion Ratio Lower Upper

128 100

49 145.3 0.0 380.3

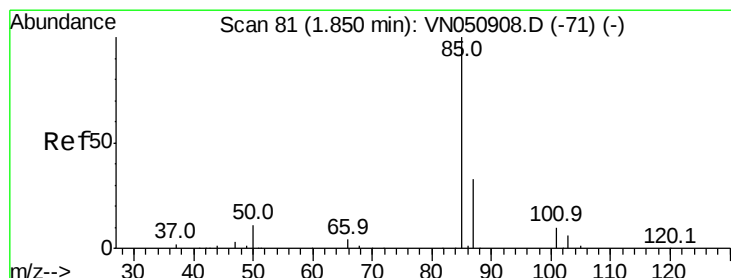
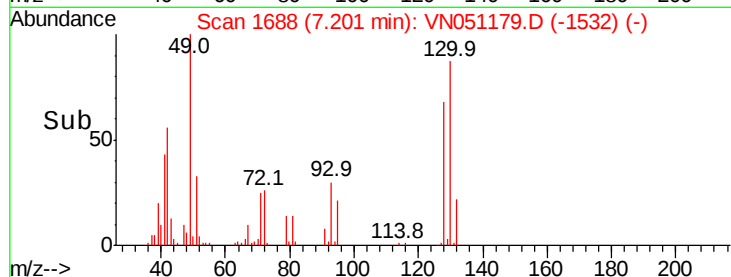
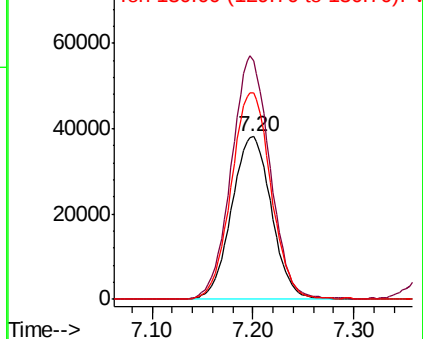
130 126.7 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.041 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051179.D

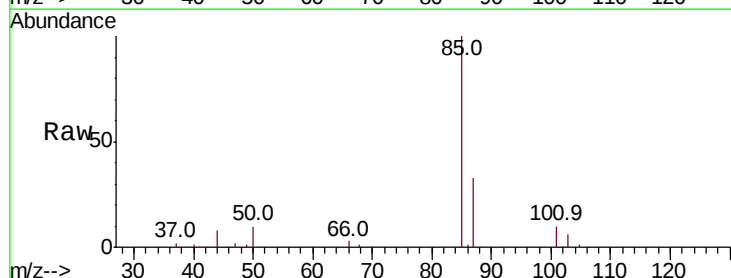
Acq: 14 Sep 2018 10:42

Tgt Ion: 85 Resp: 97735

Ion Ratio Lower Upper

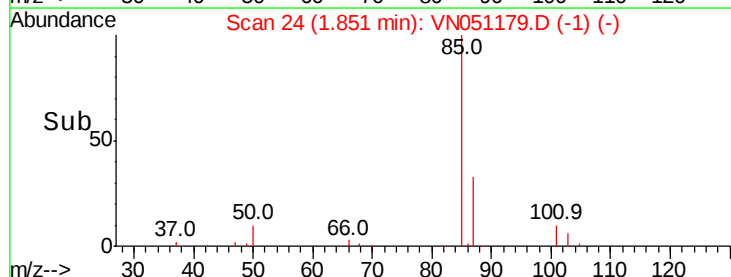
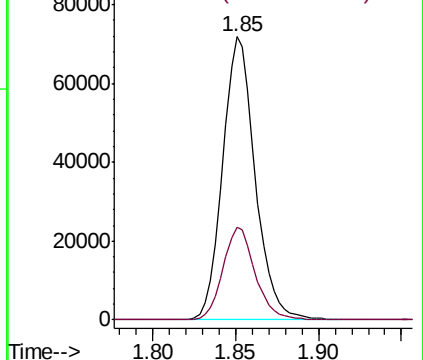
85 100

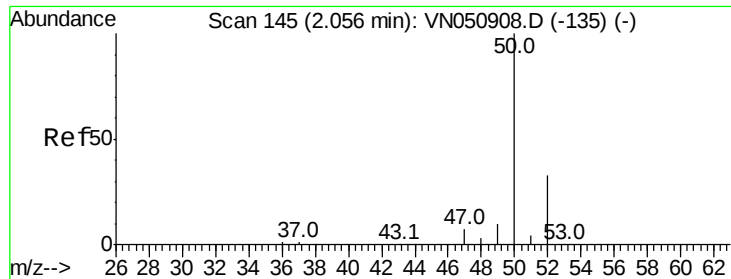
87 32.8 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 16.973 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

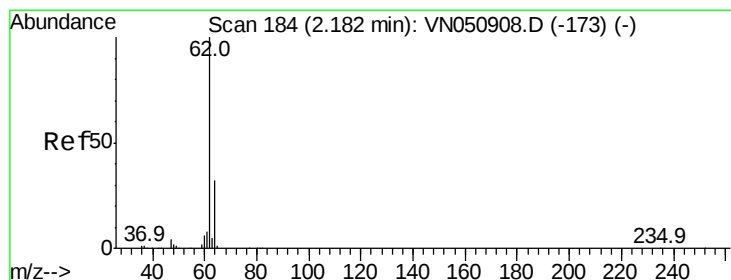
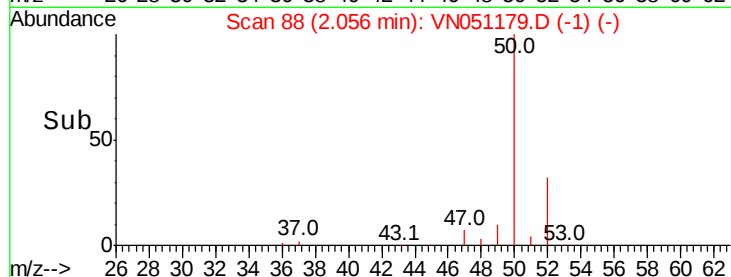
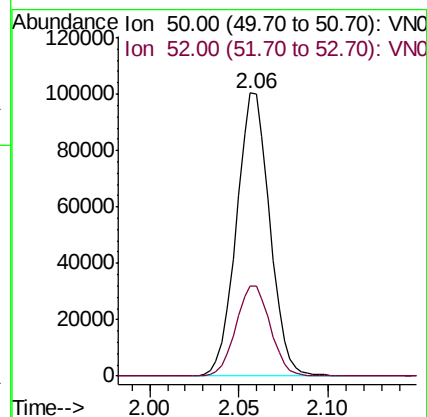
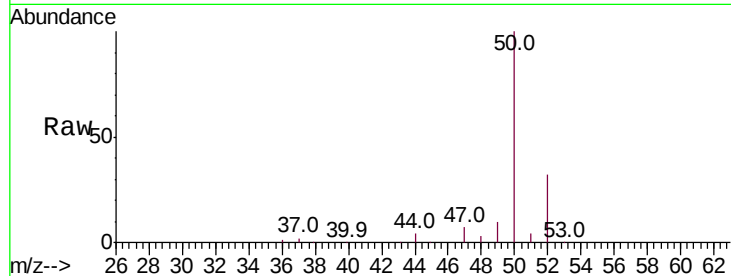
VN0914WBS01

Tot Ion: 50 Resp: 130232

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4



#4

Vinyl Chloride

Concen: 17.859 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051179.D

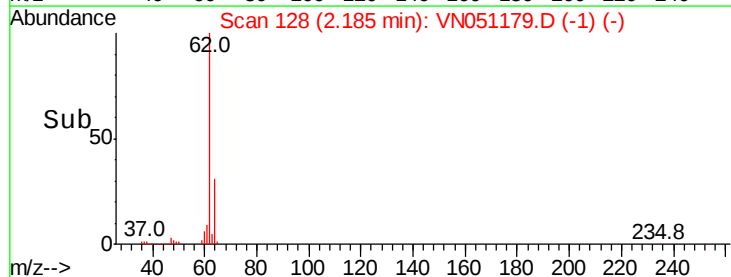
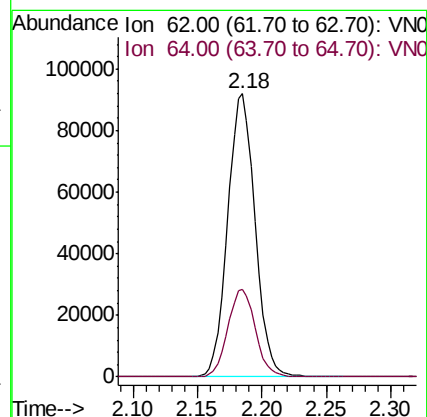
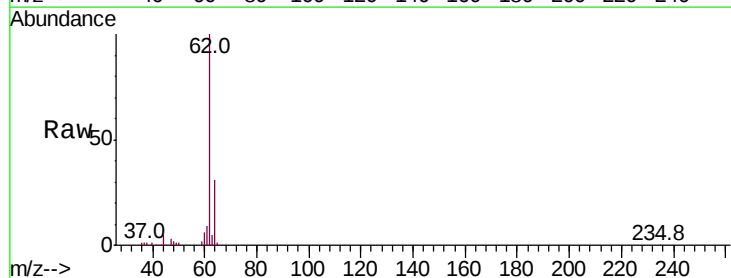
Acq: 14 Sep 2018 10:42

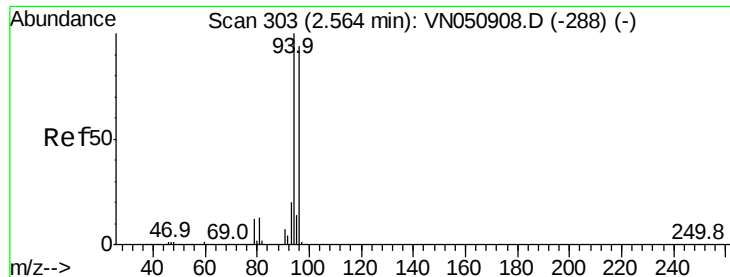
Tgt Ion: 62 Resp: 135394

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 15.991 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

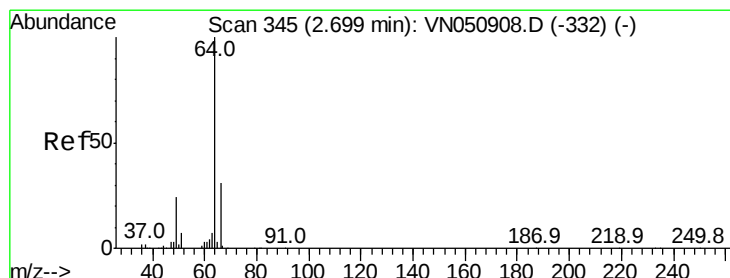
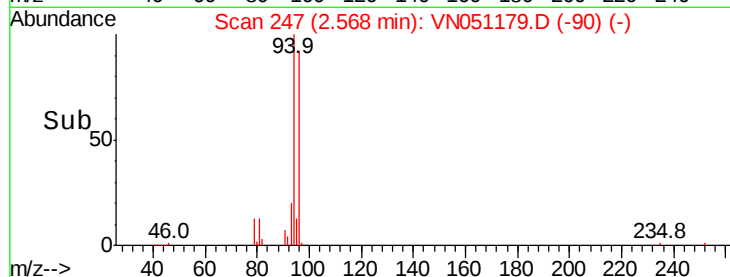
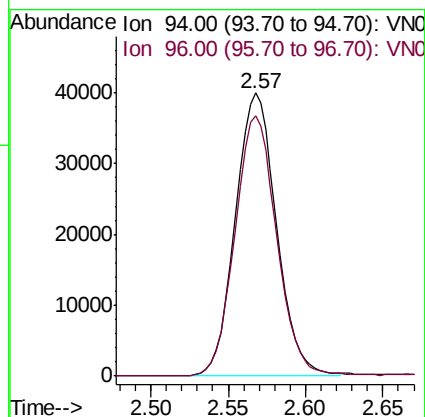
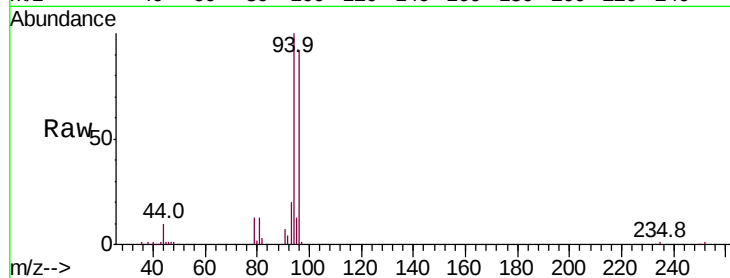
VN0914WBS01

Tot Ion: 94 Resp: 73900

Ion Ratio Lower Upper

94 100

96 92.0 74.9 112.3



#6

Chloroethane

Concen: 18.539 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051179.D

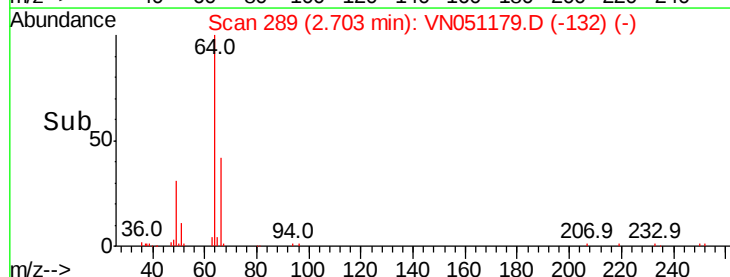
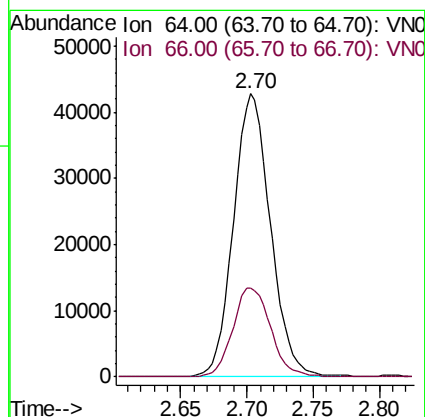
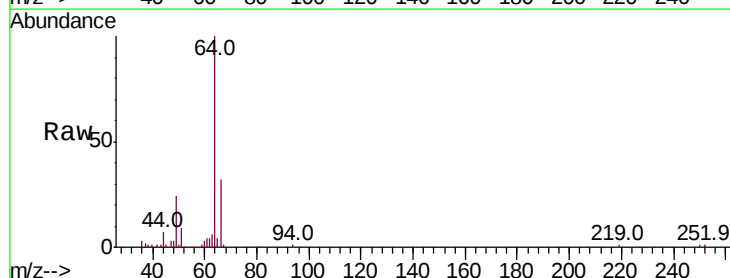
Acq: 14 Sep 2018 10:42

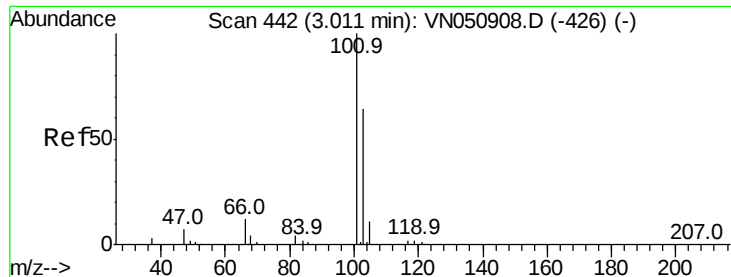
Tgt Ion: 64 Resp: 82904

Ion Ratio Lower Upper

64 100

66 31.6 24.5 36.7



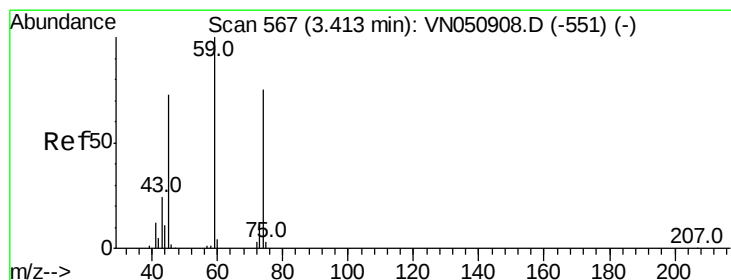
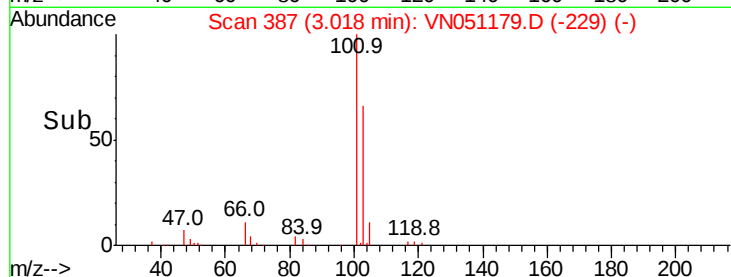
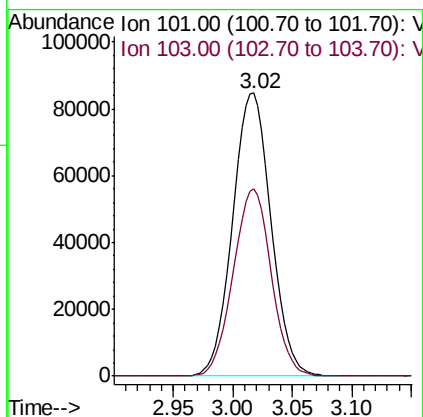
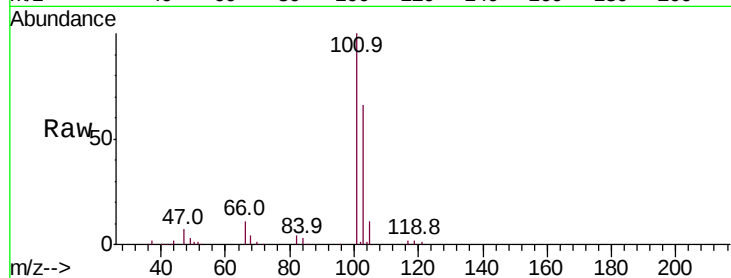


#7

Trichlorofluoromethane
Concen: 18.881 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.01 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

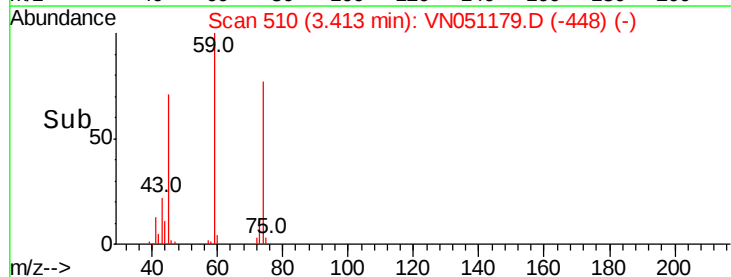
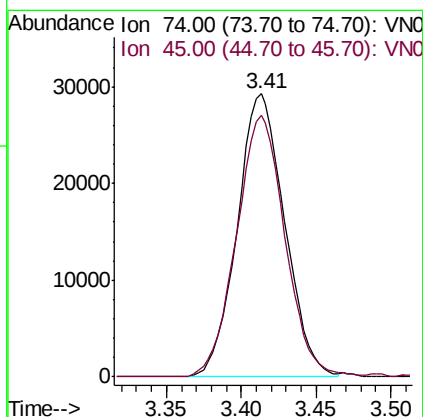
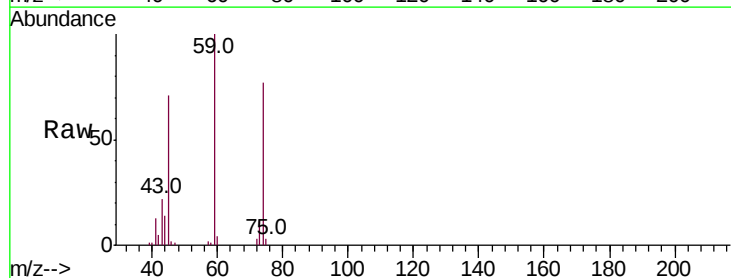
Tot Ion:101 Resp: 189771
Ion Ratio Lower Upper
101 100
103 66.2 51.3 76.9

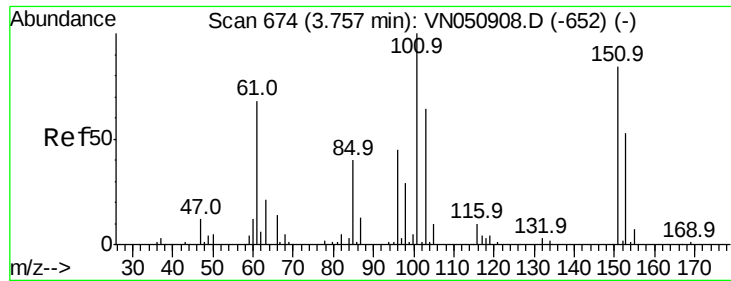


#8

Diethyl Ether
Concen: 18.215 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 74 Resp: 64546
Ion Ratio Lower Upper
74 100
45 94.5 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.510 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

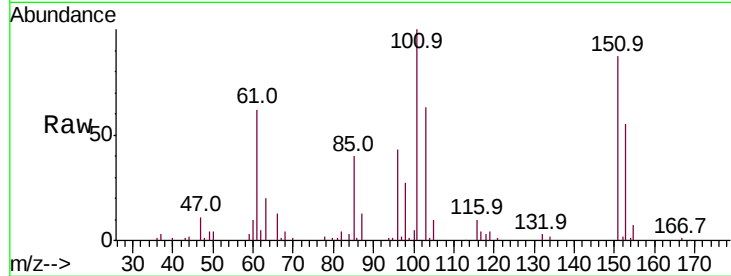
Tot Ion:101 Resp: 121430

Ion Ratio Lower Upper

101 100

85 41.0 0.0 83.6

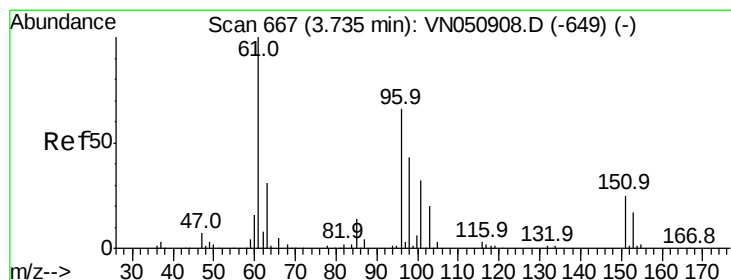
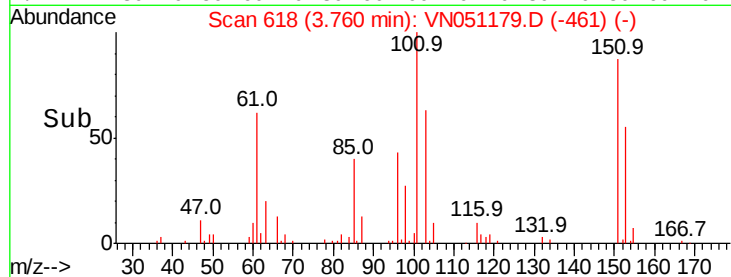
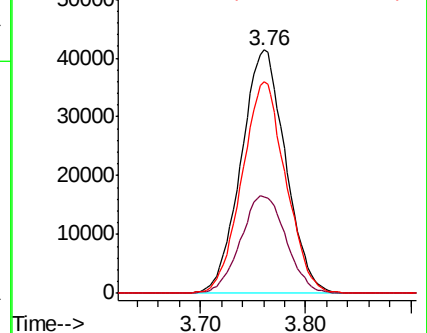
151 85.6 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.791 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

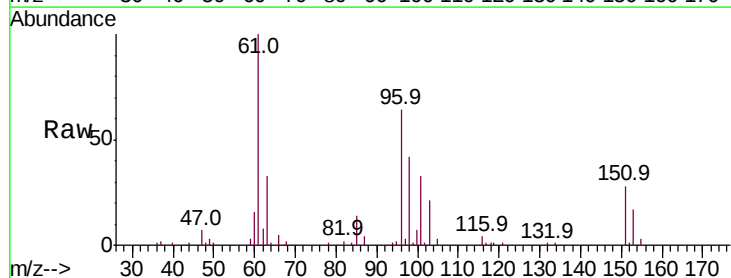
Tgt Ion: 96 Resp: 106241

Ion Ratio Lower Upper

96 100

61 156.4 121.8 182.8

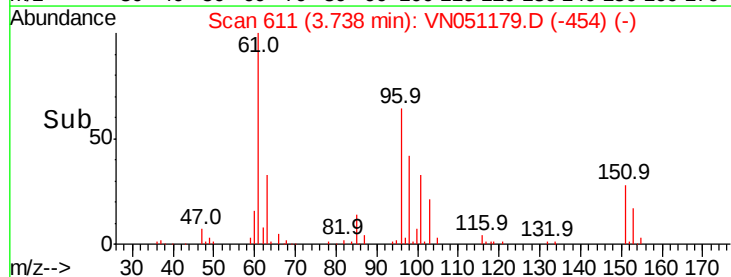
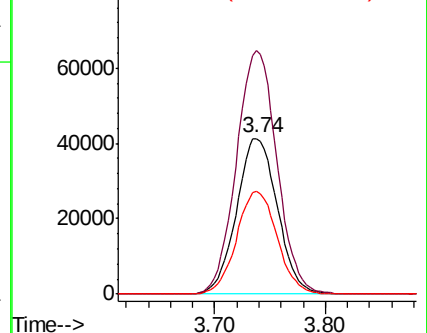
98 66.0 52.3 78.5

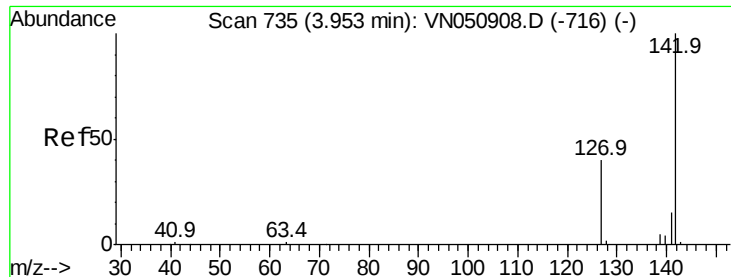


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

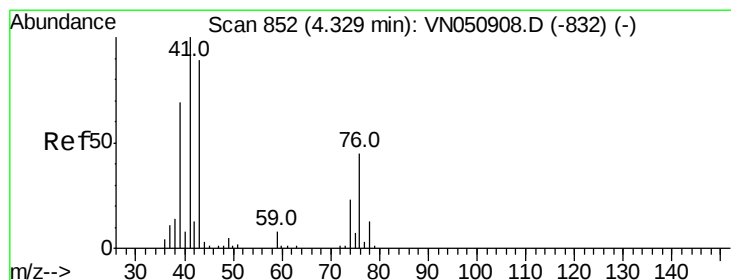
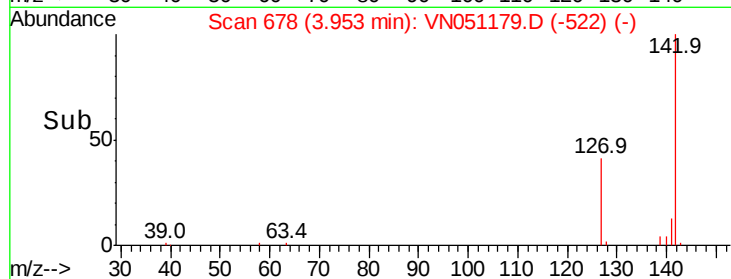
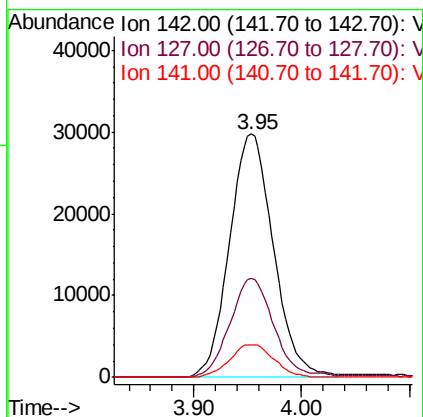
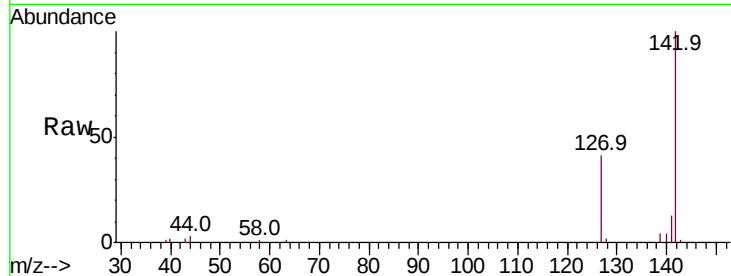




#11
Methvl Iodide
Concen: 15.992 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

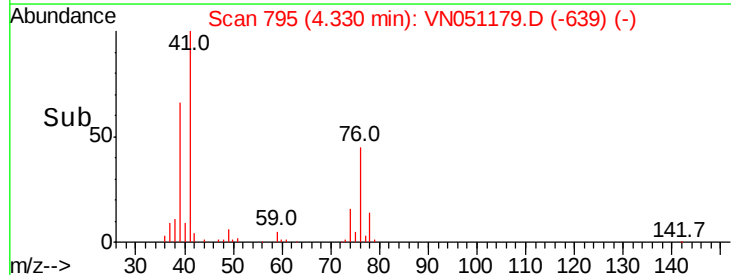
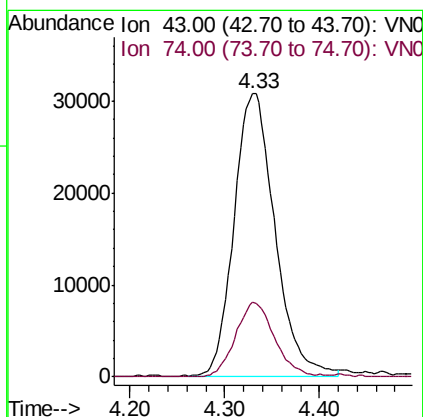
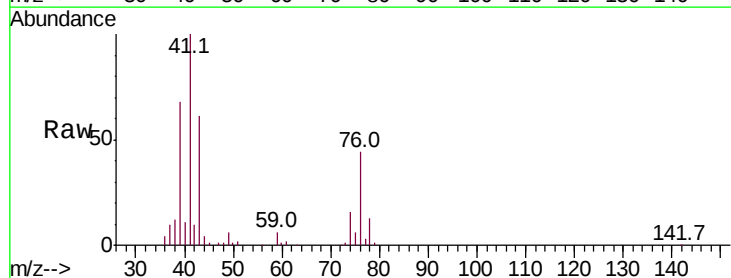
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

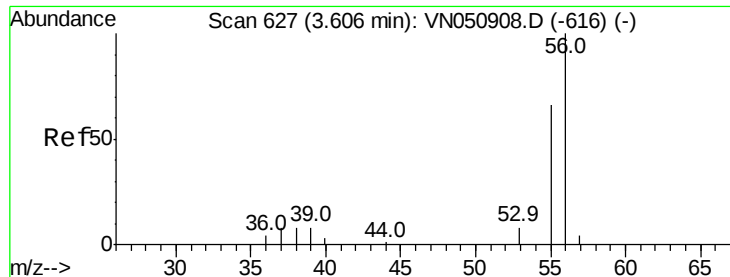
Tot Ion:142 Resp: 84363
Ion Ratio Lower Upper
142 100
127 40.5 19.7 59.1
141 13.3 7.3 22.0



#12
Methyl Acetate
Concen: 14.221 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 43 Resp: 92973
Ion Ratio Lower Upper
43 100
74 26.3 20.6 31.0





#13

Acrolein

Concen: 196.204 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

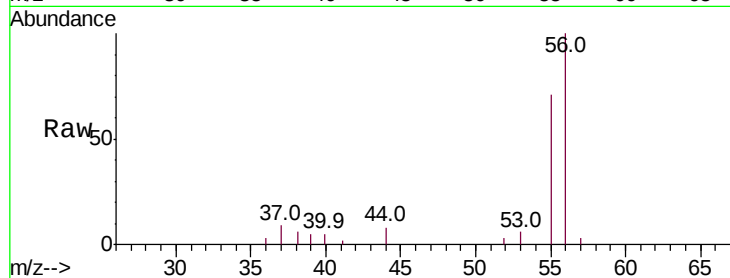
VN0914WBS01

Tot Ion: 56 Resp: 28404

Ion Ratio Lower Upper

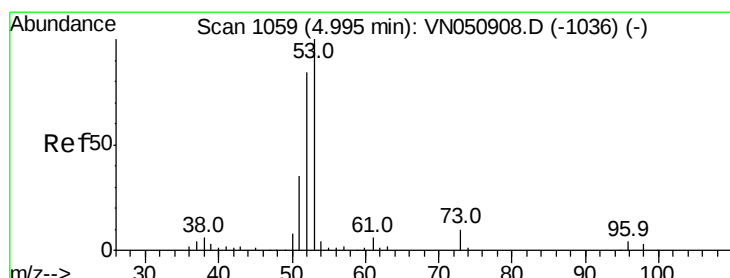
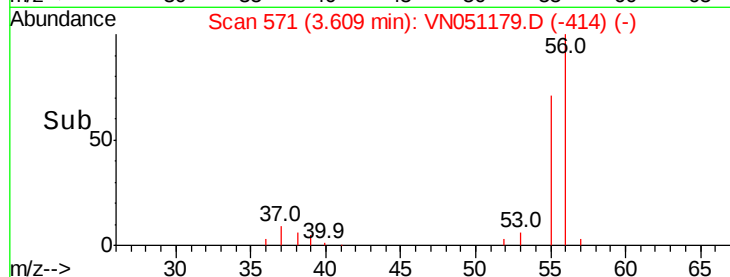
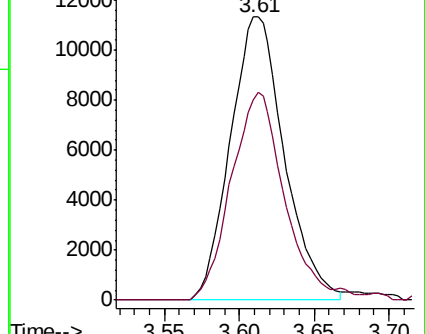
56 100

55 71.5 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 84.097 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

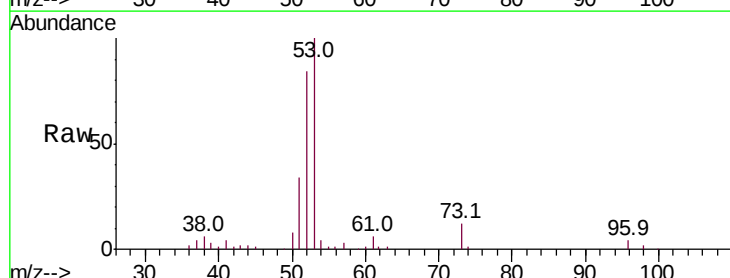
Tgt Ion: 53 Resp: 185894

Ion Ratio Lower Upper

53 100

52 79.0 42.2 126.6

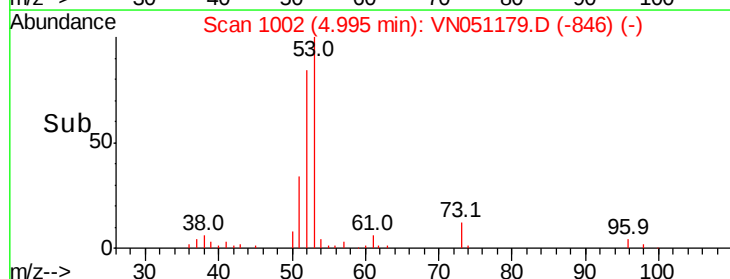
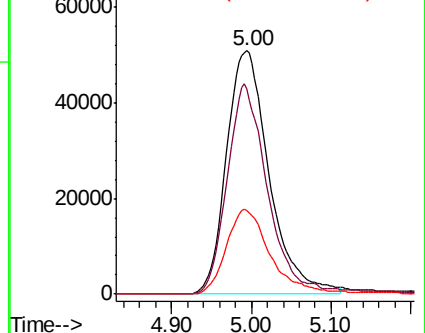
51 35.5 17.7 53.1

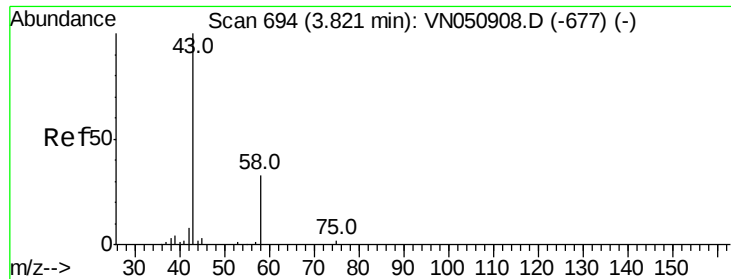


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 80.944 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

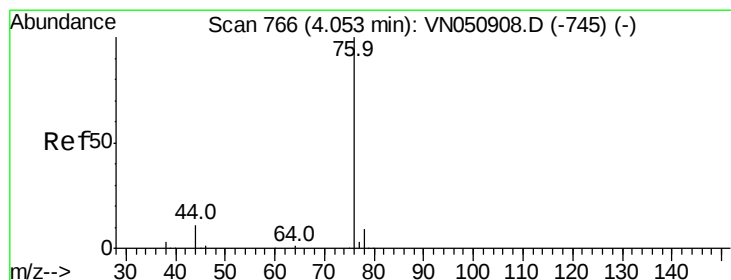
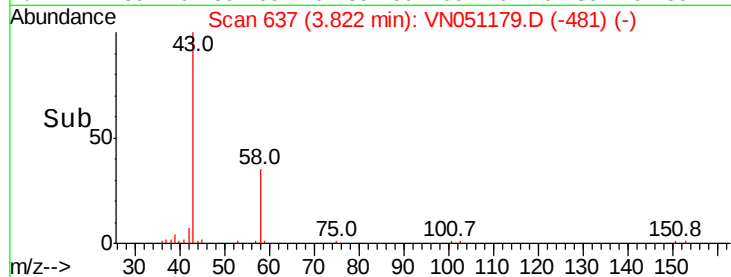
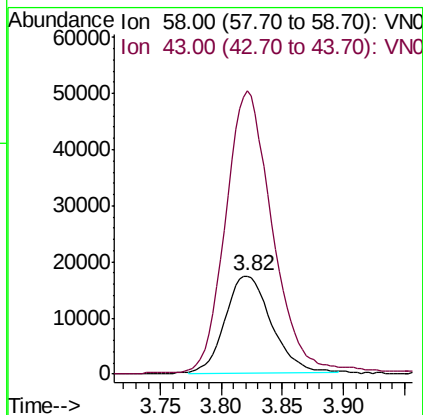
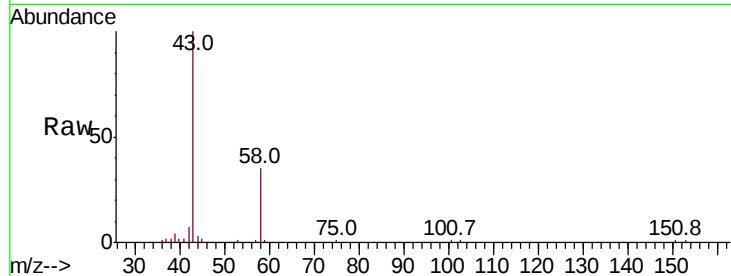
VN0914WBS01

Tot Ion: 58 Resp: 45785

Ion Ratio Lower Upper

58 100

43 289.2 239.4 359.0



#16

Carbon Disulfide

Concen: 17.952 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051179.D

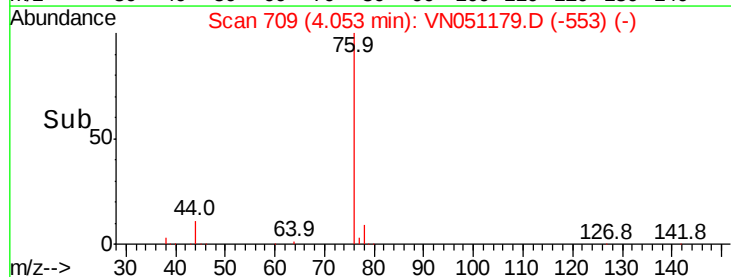
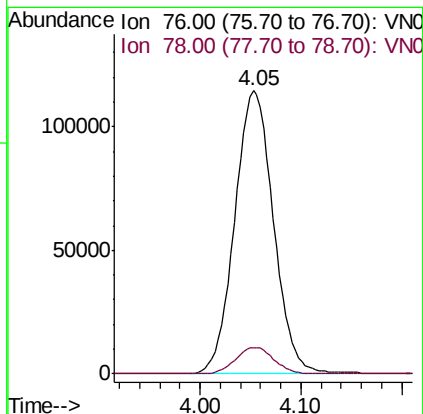
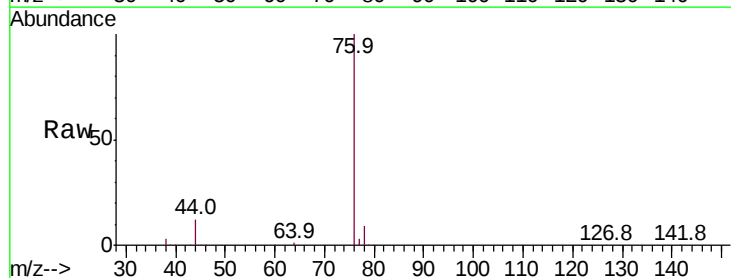
Acq: 14 Sep 2018 10:42

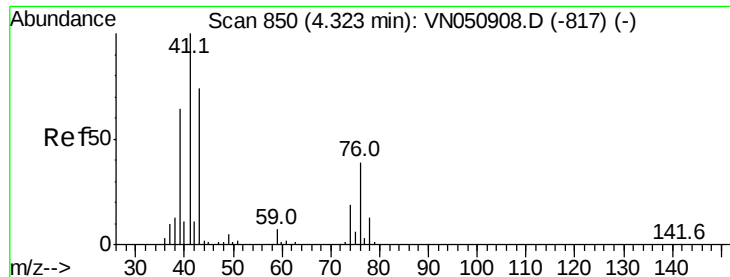
Tgt Ion: 76 Resp: 305186

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

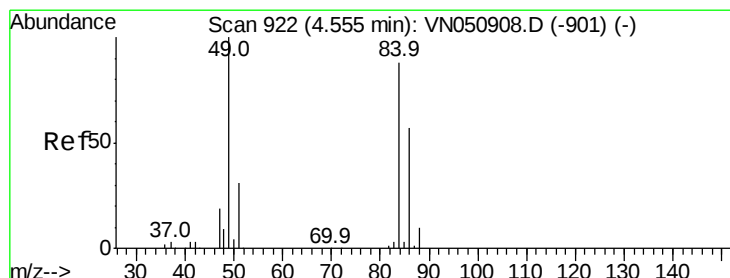
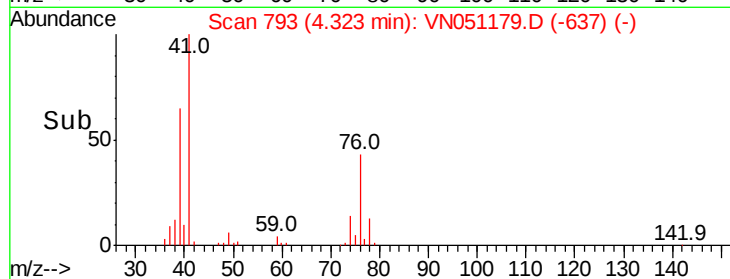
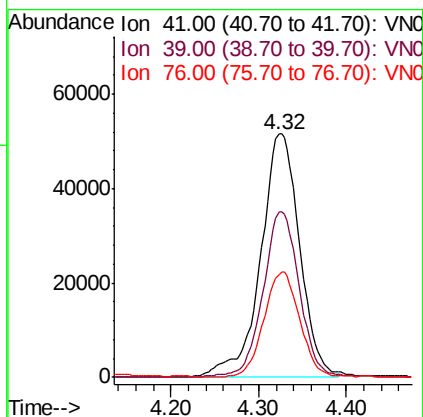
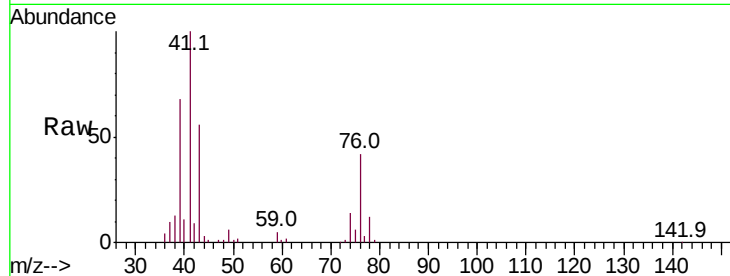




#17
Allvl chloride
Concen: 17.969 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

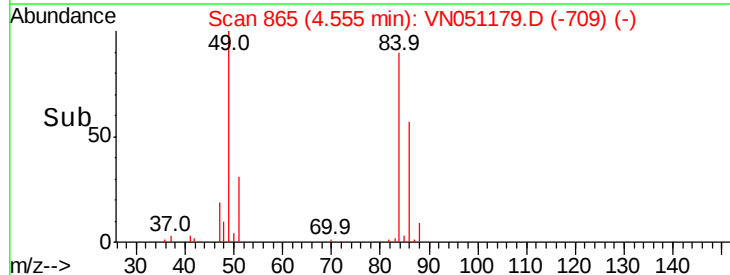
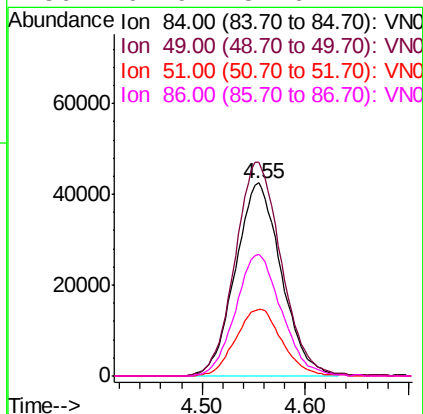
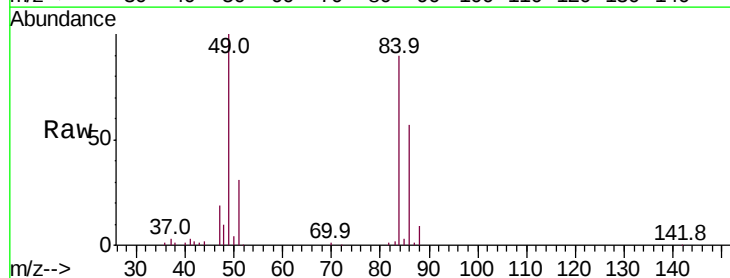
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

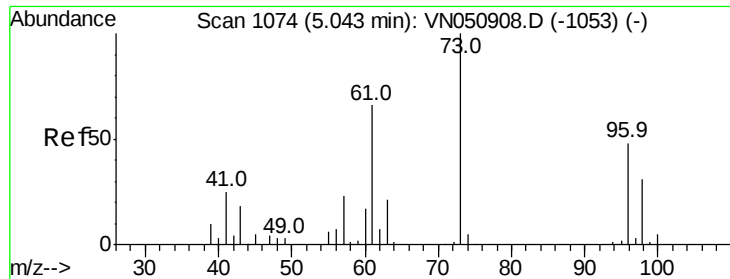
Tot Ion: 41 Resp: 159856
Ion Ratio Lower Upper
41 100
39 67.8 32.2 96.6
76 41.8 19.6 58.7



#18
Methylene Chloride
Concen: 19.848 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 84 Resp: 131715
Ion Ratio Lower Upper
84 100
49 110.3 90.6 135.8
51 34.5 28.4 42.6
86 62.9 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 19.609 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

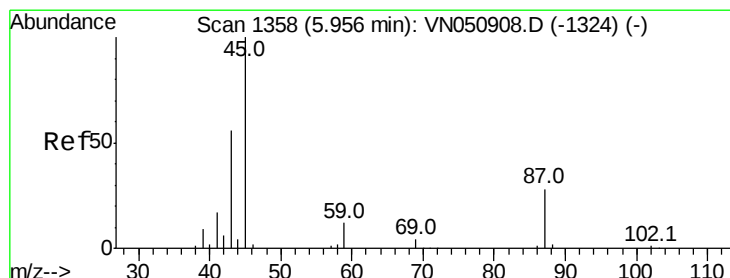
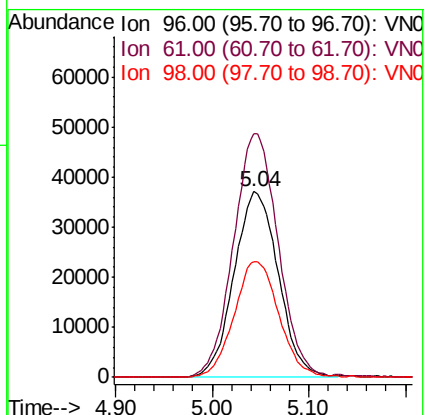
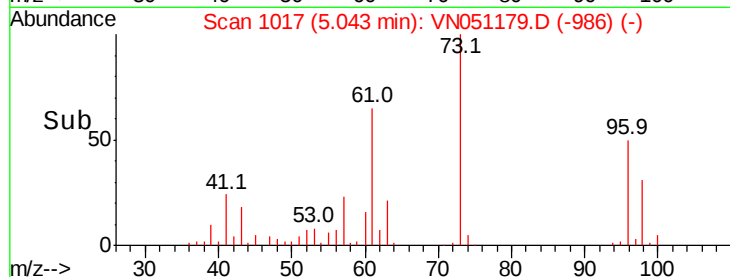
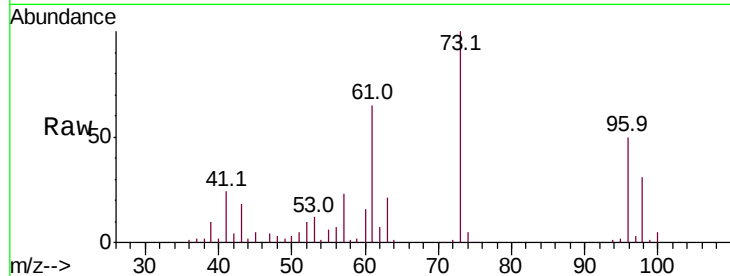
Tot Ion: 96 Resp: 118121

Ion Ratio Lower Upper

96 100

61 130.7 109.5 164.3

98 62.7 51.9 77.9



#20

Diisopropyl ether

Concen: 19.509 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Tgt Ion: 45 Resp: 360253

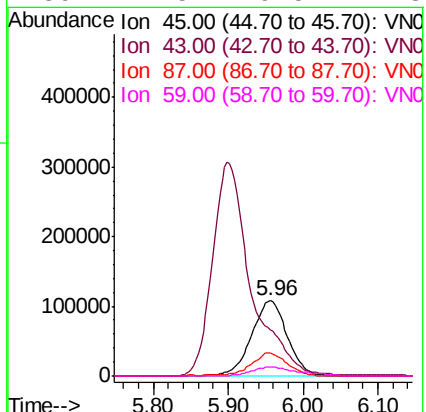
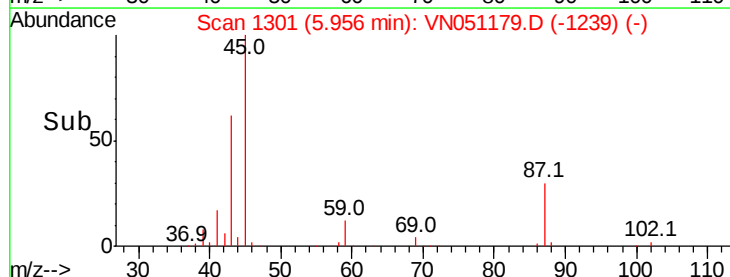
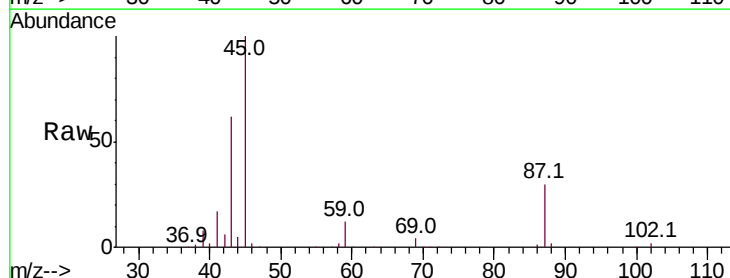
Ion Ratio Lower Upper

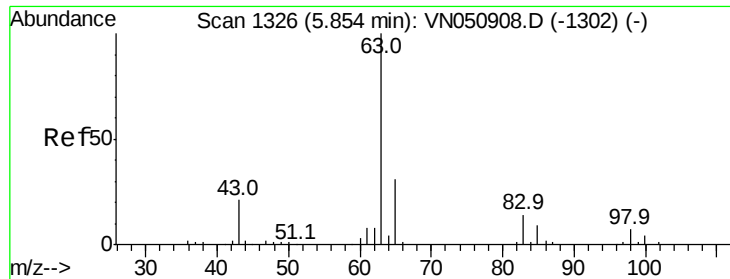
45 100

43 59.3 47.0 70.6

87 30.2 22.8 34.2

59 11.5 9.5 14.3

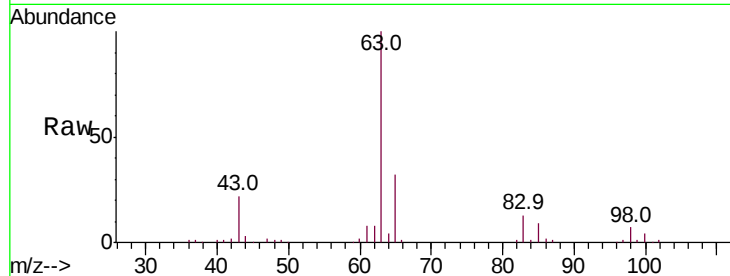




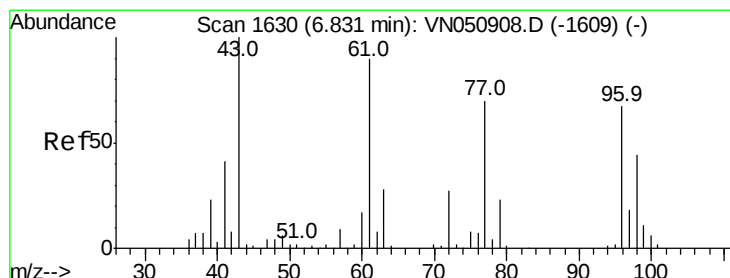
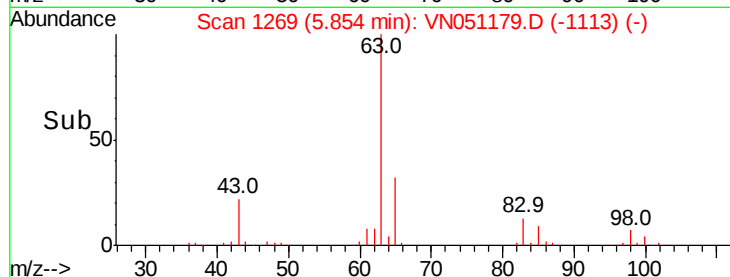
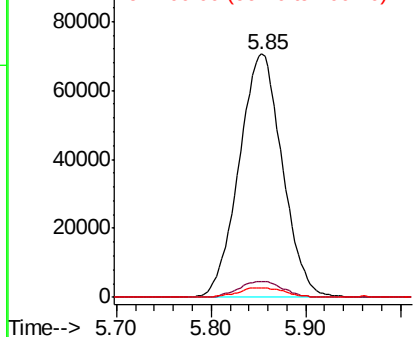
#21
 1,1-Dichloroethane
 Concen: 19.796 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion: 63 Resp: 224135
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 3.8 2.0 6.0

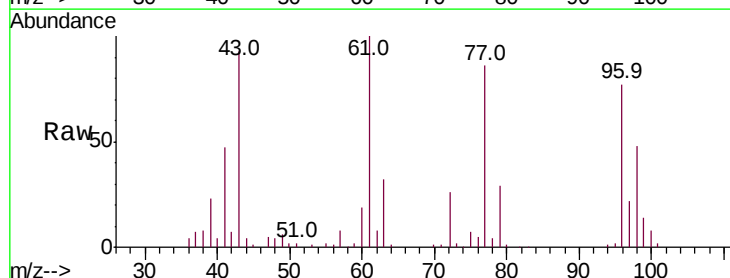


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

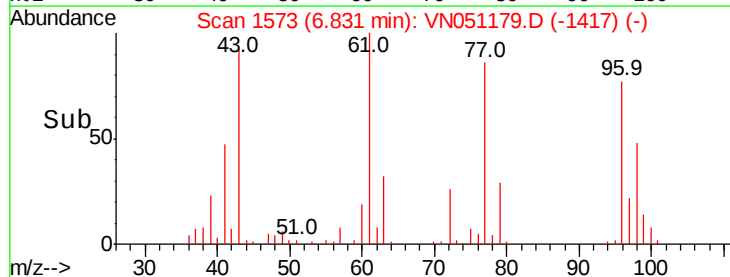
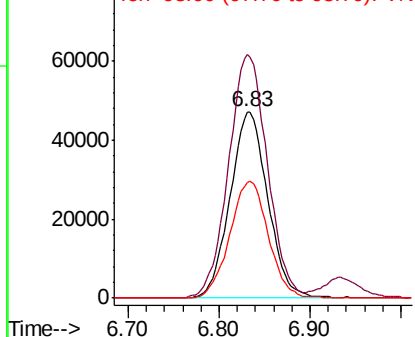


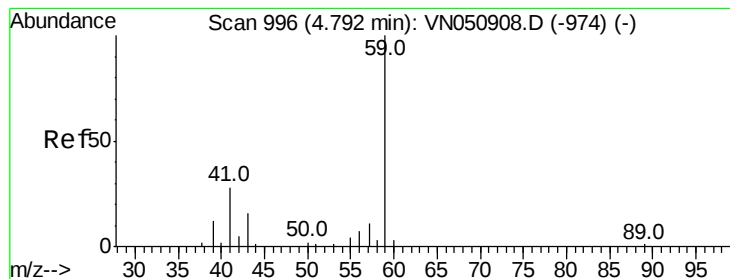
#22
 cis-1,2-Dichloroethene
 Concen: 19.962 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion: 96 Resp: 135836
 Ion Ratio Lower Upper
 96 100
 61 134.8 110.0 165.0
 98 64.2 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 75.850 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

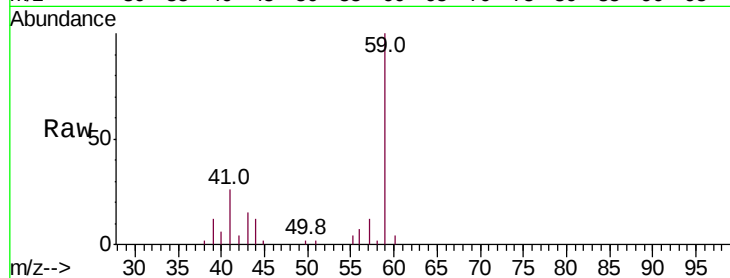
VN0914WBS01

Tot Ion: 59 Resp: 35657

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050908.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-974) (-)

4.79

10000

8000

6000

4000

2000

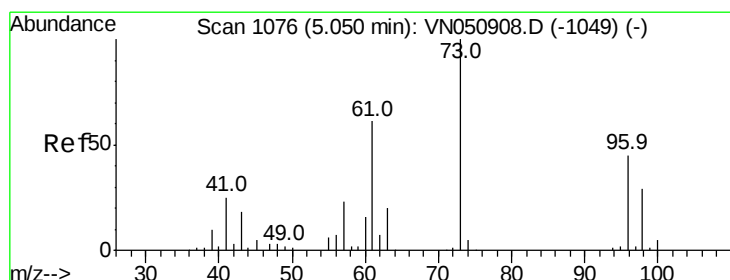
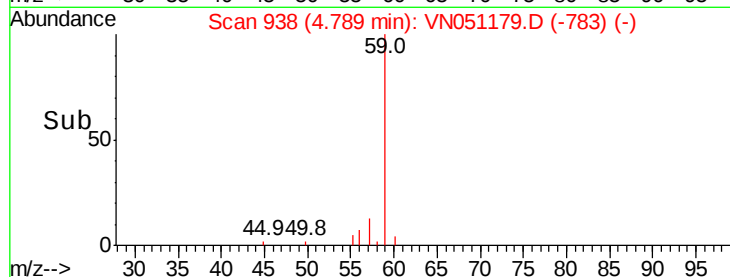
0

Time-->

4.70

4.80

4.90



#24

Methyl tert-Butyl Ether

Concen: 18.301 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051179.D

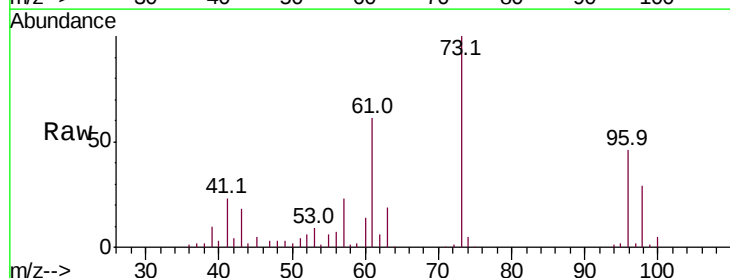
Acq: 14 Sep 2018 10:42

Tgt Ion: 73 Resp: 283006

Ion Ratio Lower Upper

73 100

43 18.5 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN050908.D (-1049) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-1049) (-)

5.05

80000

60000

40000

20000

0

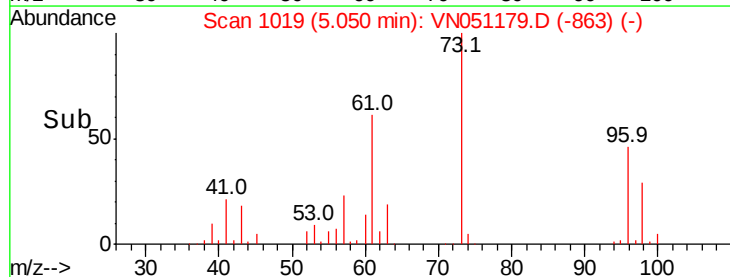
Time-->

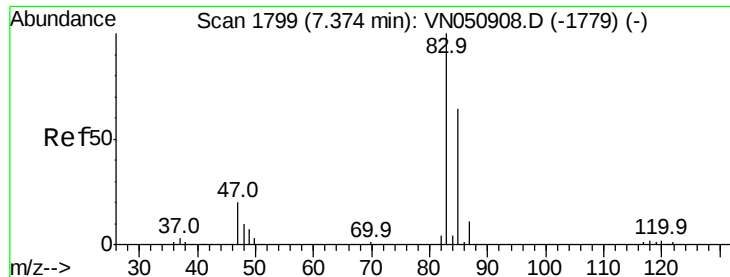
4.90

5.00

5.10

5.20

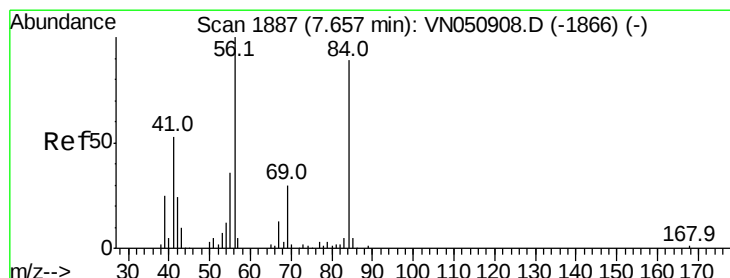
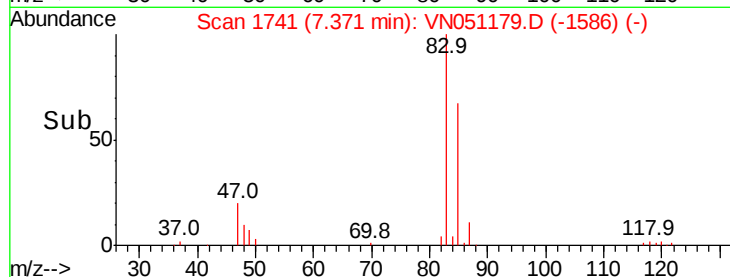
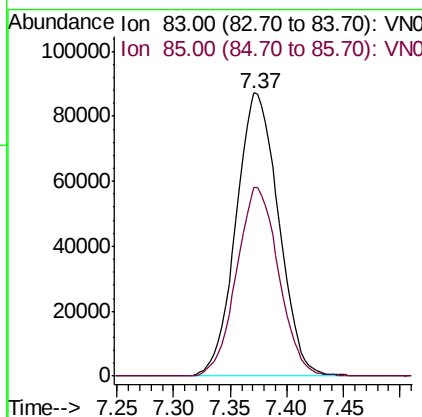
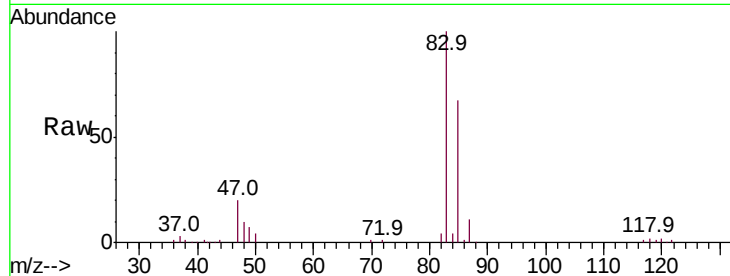




#25
Chloroform
Concen: 20.184 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

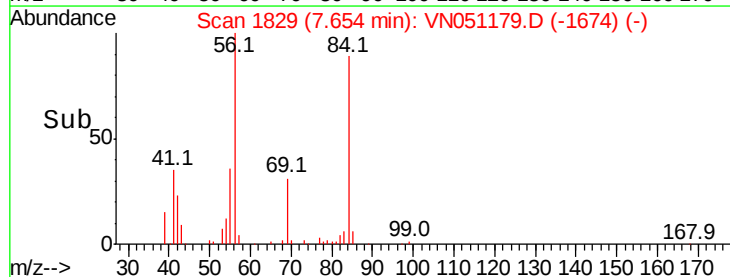
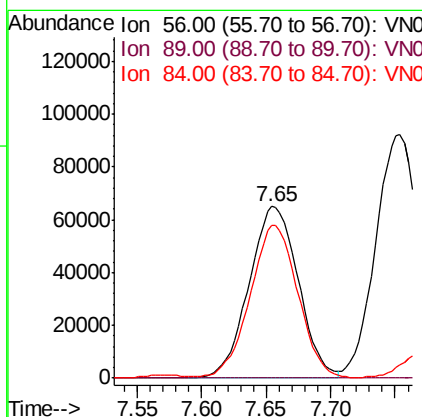
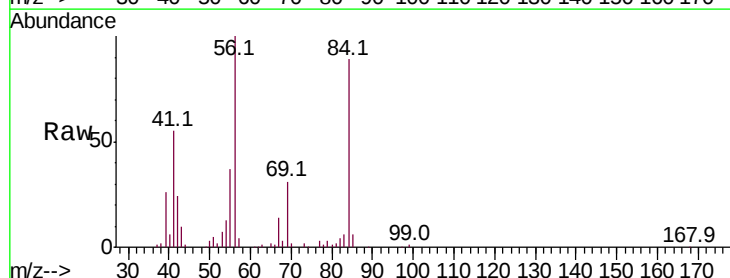
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

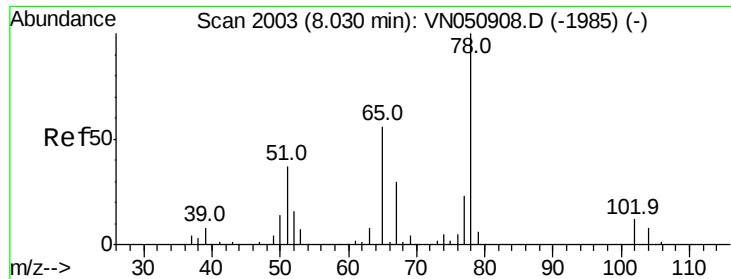
Tot Ion: 83 Resp: 228089
Ion Ratio Lower Upper
83 100
85 66.6 51.4 77.0



#26
Cyclohexane
Concen: 18.424 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 56 Resp: 172827
Ion Ratio Lower Upper
56 100
89 0.2 0.4 0.6#
84 85.6 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.069 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

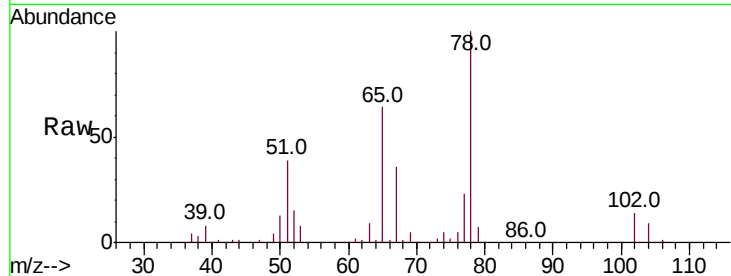
VN0914WBS01

Tot Ion: 65 Resp: 194101

Ion Ratio Lower Upper

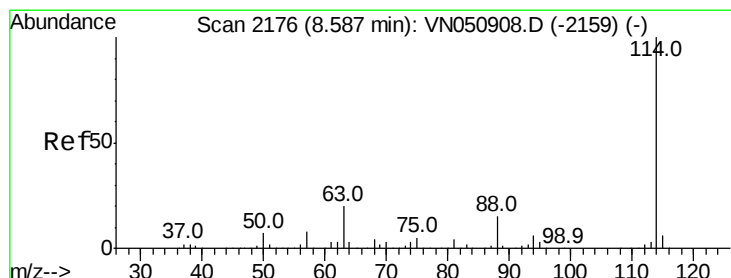
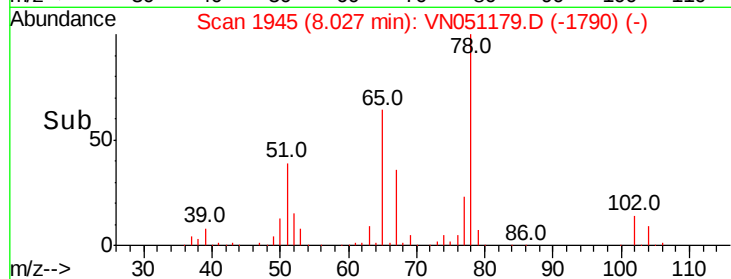
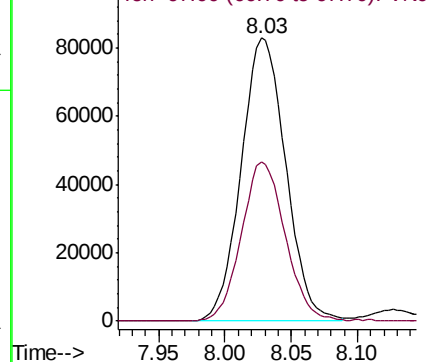
65 100

67 55.3 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

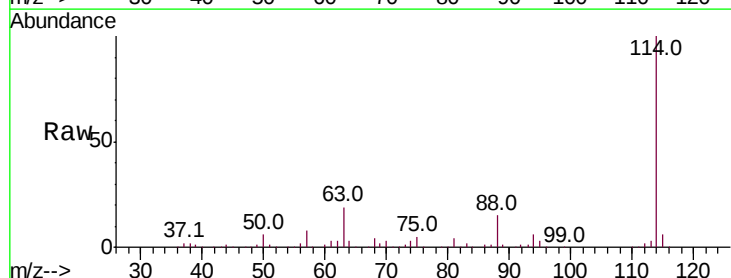
Tgt Ion: 114 Resp: 568307

Ion Ratio Lower Upper

114 100

63 18.6 15.6 23.4

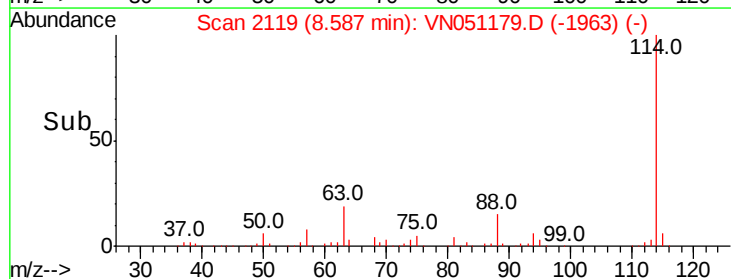
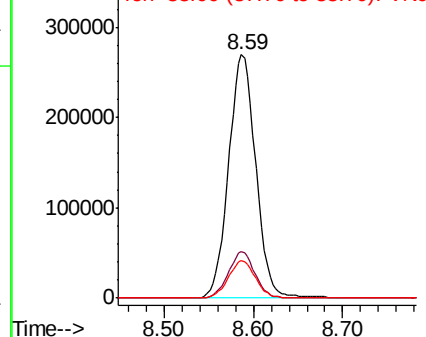
88 15.3 12.2 18.4

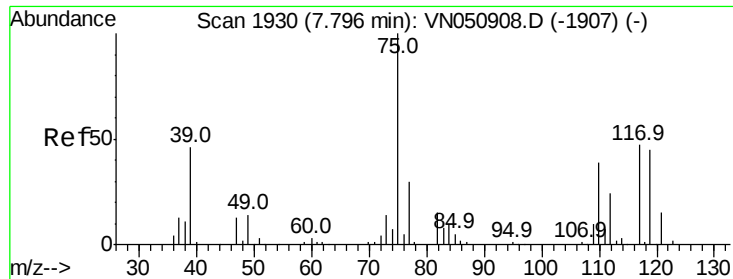


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

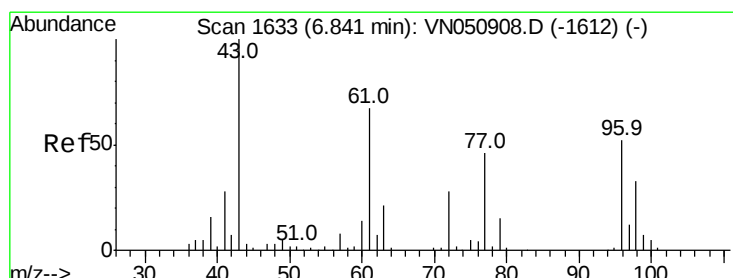
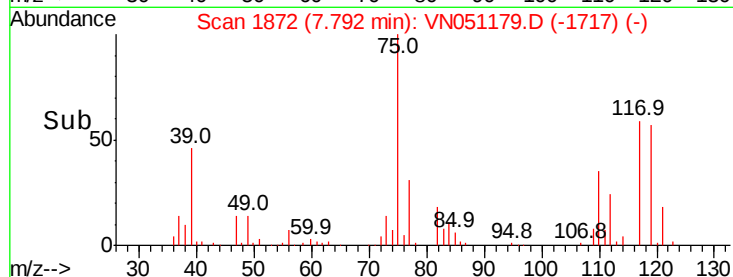
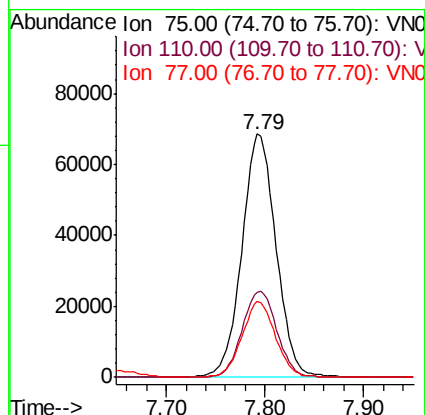
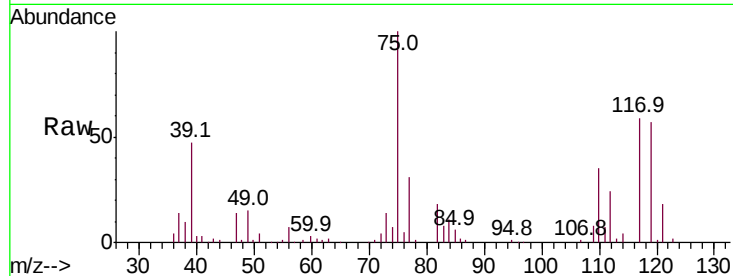




#29
 1,1-Dichloropropene
 Concen: 19.330 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

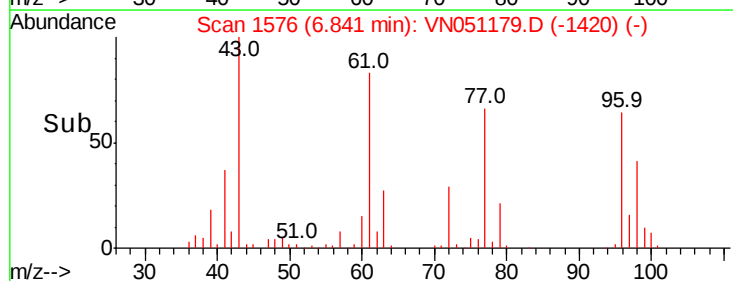
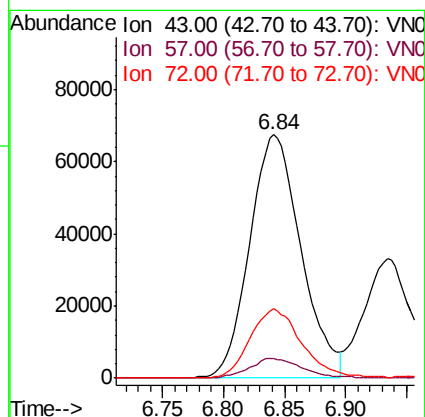
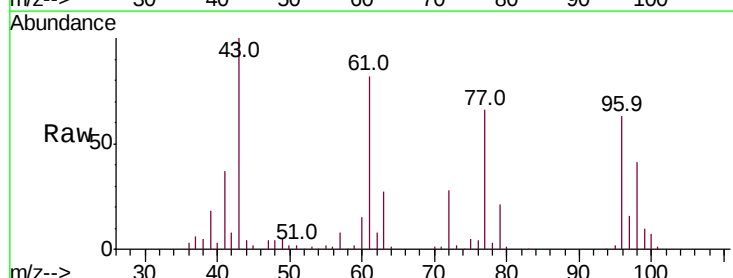
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

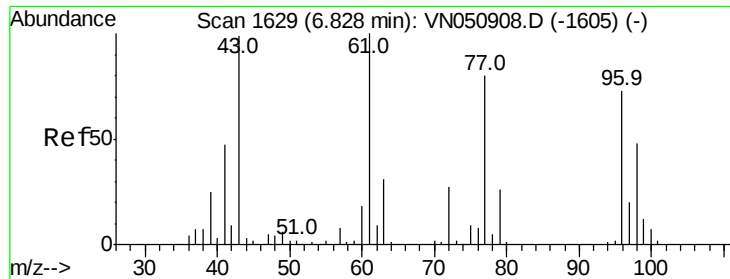
Tot Ion: 75 Resp: 164459
 Ion Ratio Lower Upper
 75 100
 110 36.0 0.0 75.0
 77 30.7 0.0 60.6



#30
 2-Butanone
 Concen: 75.275 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion: 43 Resp: 197021
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.9 10.3
 72 28.6 22.8 34.2





#31

2,2-Dichloropropane

Concen: 20.908 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

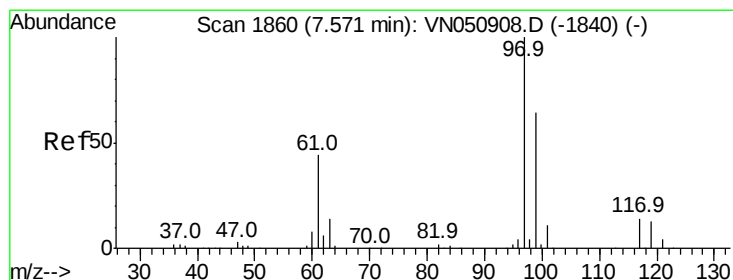
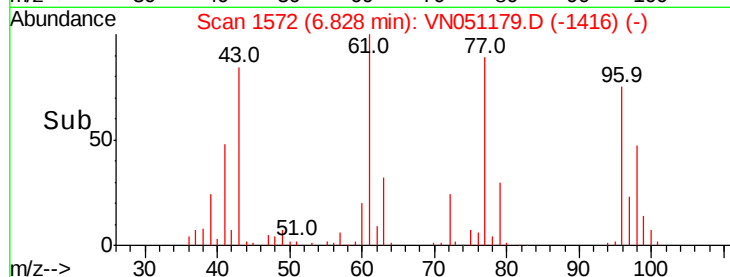
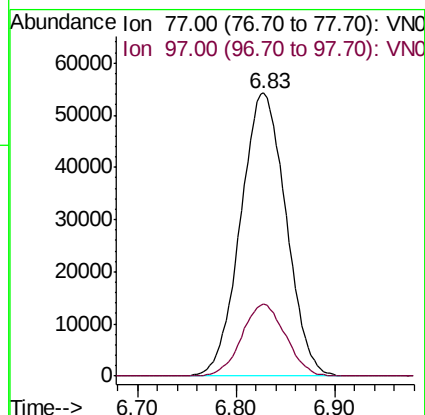
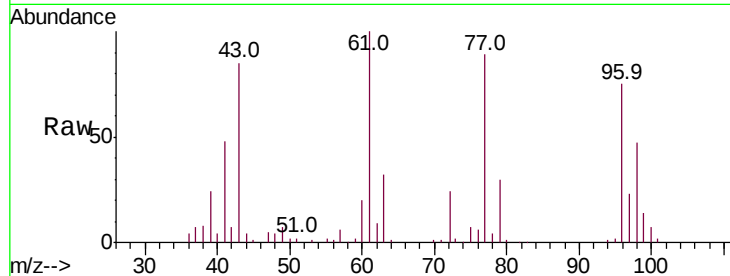
VN0914WBS01

Tot Ion: 77 Resp: 173093

Ion Ratio Lower Upper

77 100

97 24.5 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 20.167 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

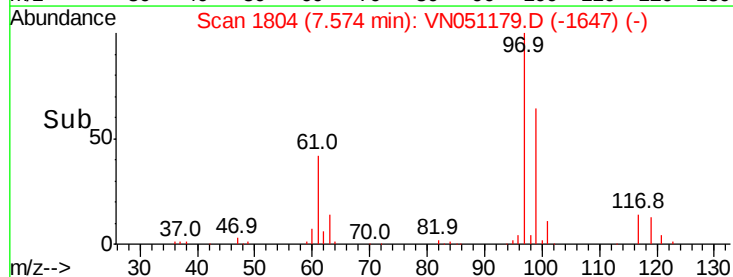
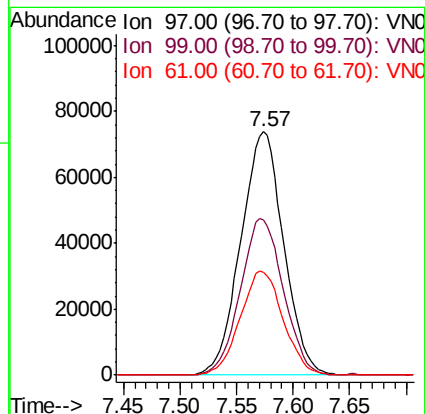
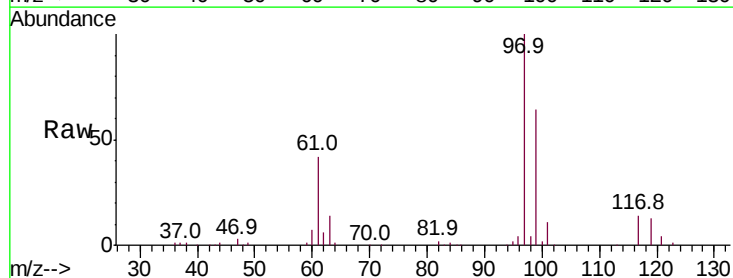
Tgt Ion: 97 Resp: 194574

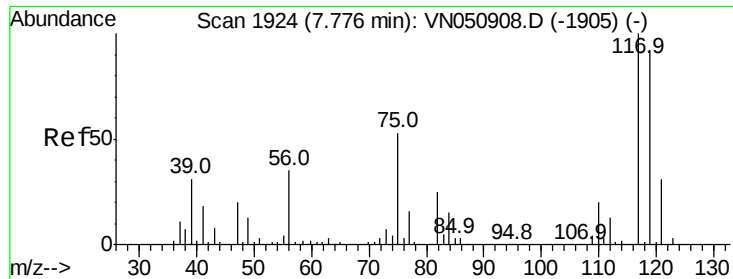
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 43.0 35.0 52.6

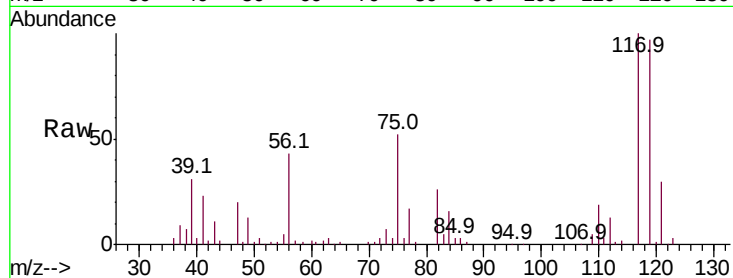




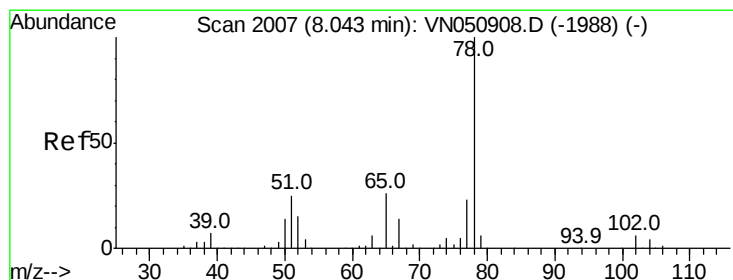
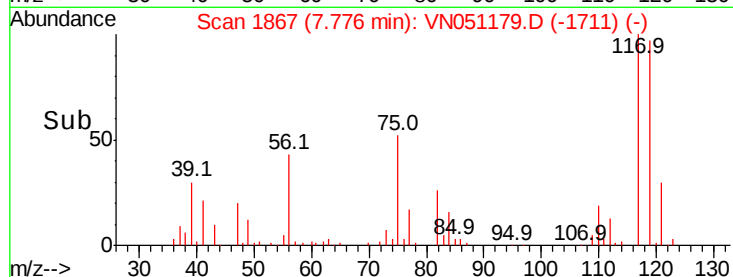
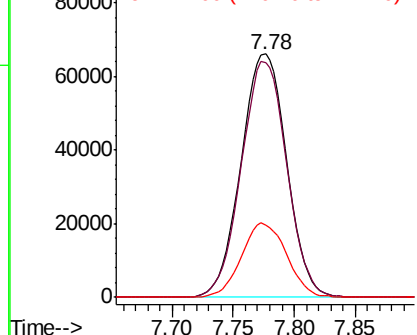
#33
Carbon Tetrachloride
Concen: 19.724 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion:117 Resp: 171371
Ion Ratio Lower Upper
117 100
119 96.6 73.5 110.3
121 29.9 24.6 37.0

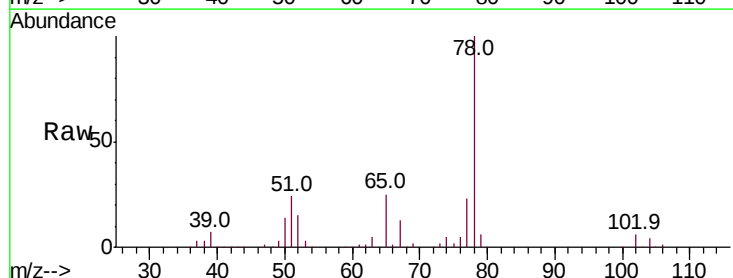


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

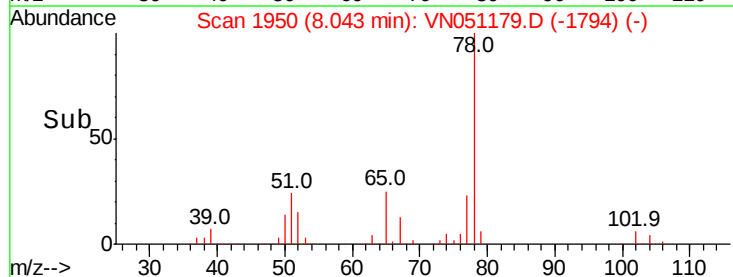
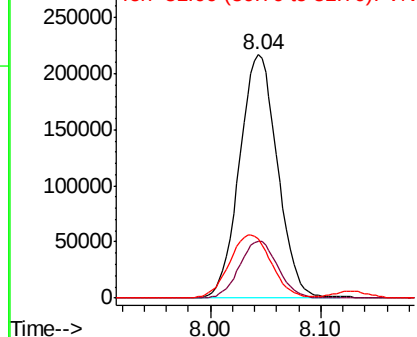


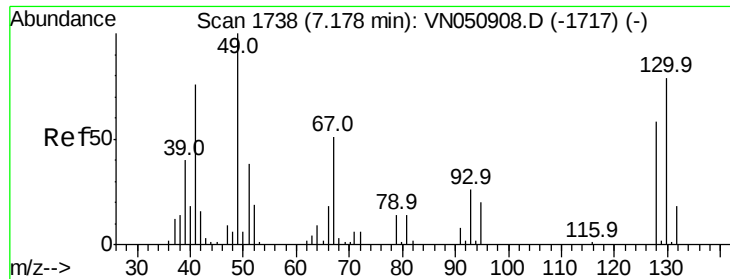
#34
Benzene
Concen: 19.666 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 78 Resp: 517611
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0
51 23.9 20.0 30.0



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

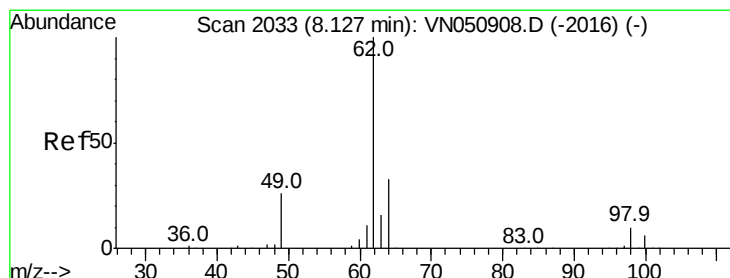
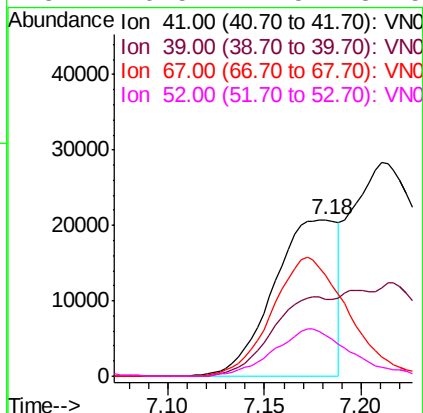
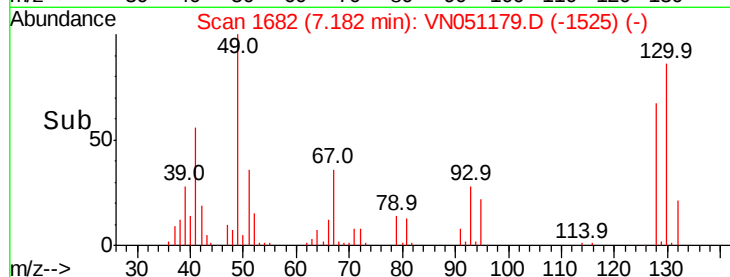
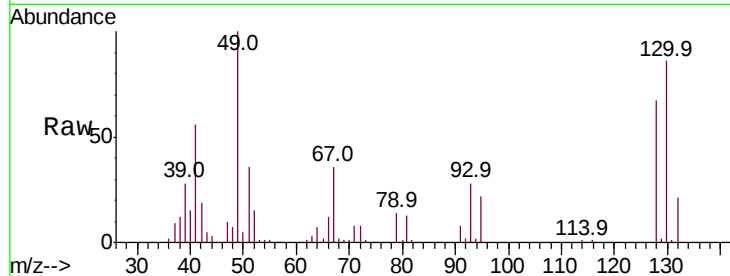




#35
Methacrylonitrile
Concen: 16.677 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

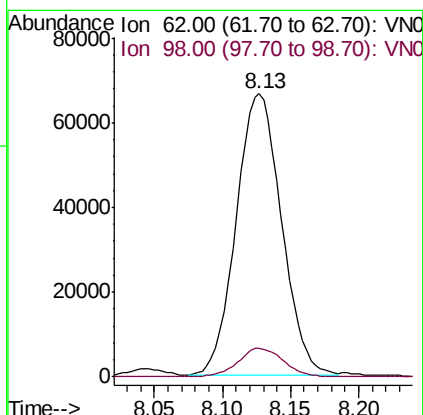
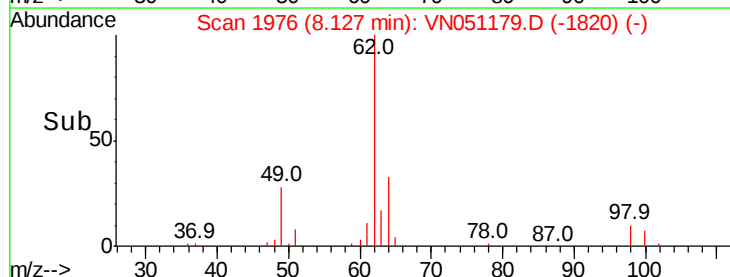
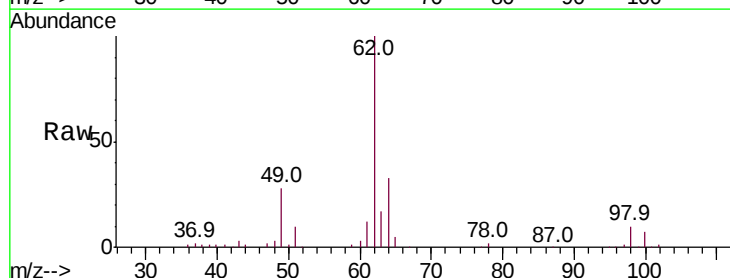
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

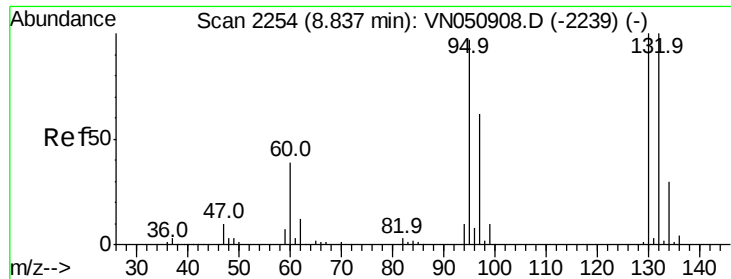
Tot Ion:	41	Resp:	47822
Ion	Ratio	Lower	Upper
41	100		
39	49.3	26.2	78.5
67	64.5	33.9	101.6
52	26.5	12.5	37.5



#36
1,2-Dichloroethane
Concen: 19.301 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion:	62	Resp:	153640
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.0	12.0

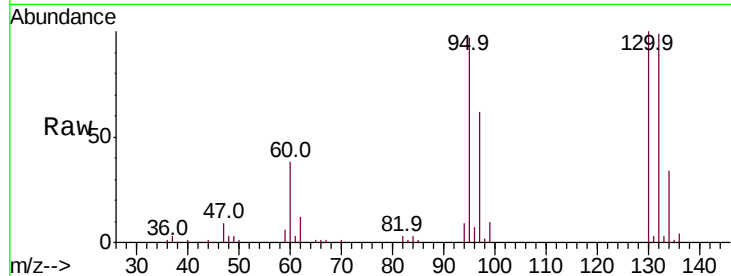




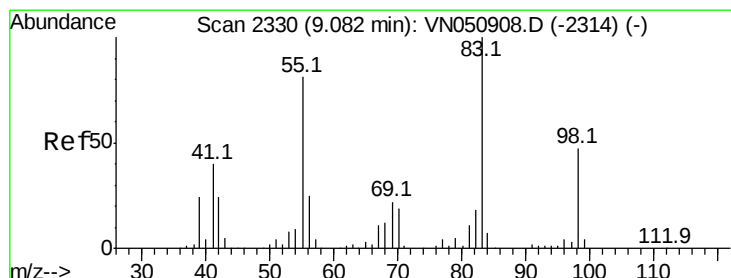
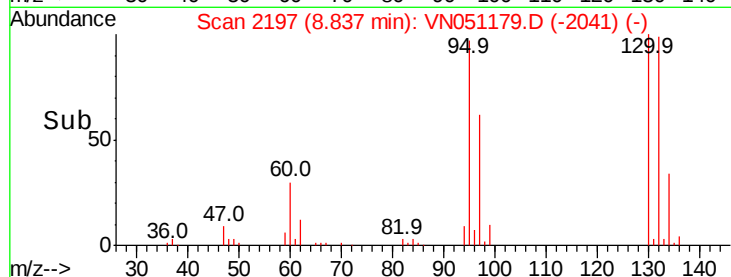
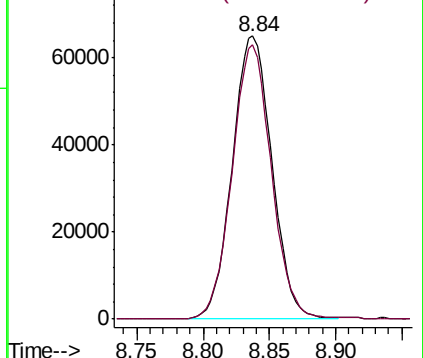
#37
 Trichloroethene
 Concen: 19.614 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

Tot Ion:130 Resp: 134934
 Ion Ratio Lower Upper
 130 100
 95 96.8 77.4 116.0

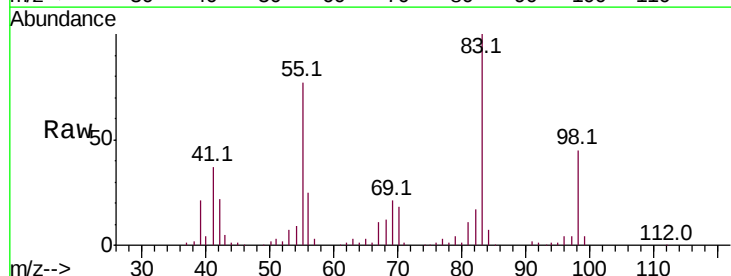


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

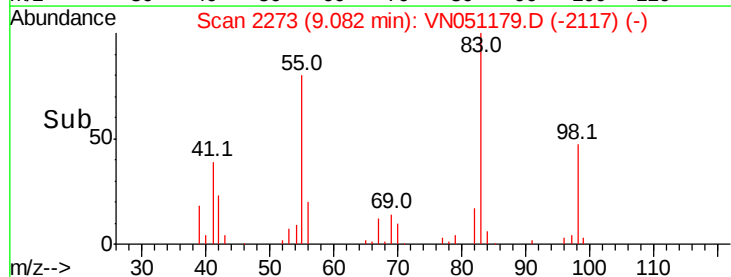
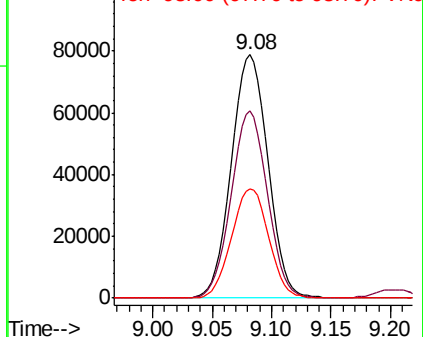


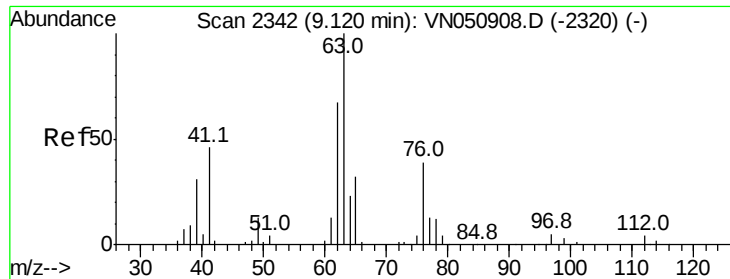
#38
 Methylcyclohexane
 Concen: 18.405 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion: 83 Resp: 168184
 Ion Ratio Lower Upper
 83 100
 55 76.2 38.9 116.7
 98 45.6 22.9 68.7



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





#39

1,2-Dichloropropane

Concen: 19.857 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

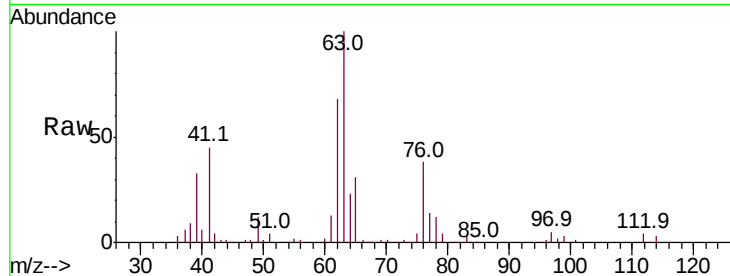
VN0914WBS01

Tot Ion: 63 Resp: 136501

Ion Ratio Lower Upper

63 100

65 31.5 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

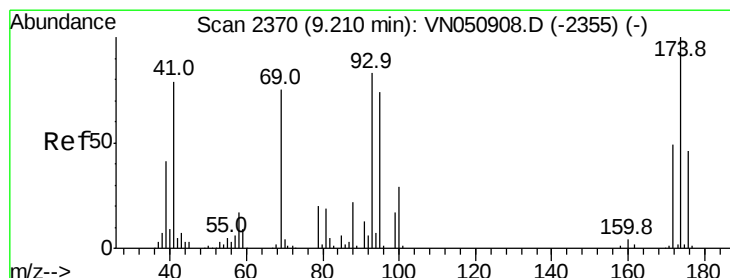
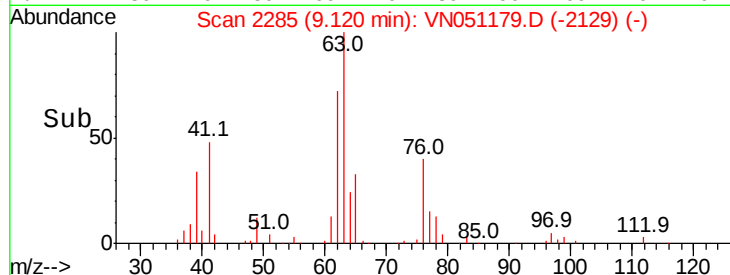
60000

40000

20000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 19.248 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

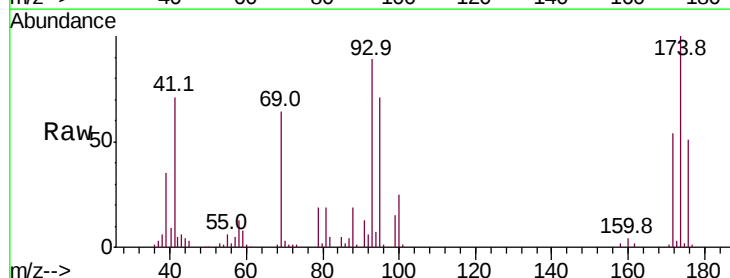
Tgt Ion: 93 Resp: 79705

Ion Ratio Lower Upper

93 100

95 82.1 0.0 173.4

174 113.7 0.0 234.8



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

60000

50000

40000

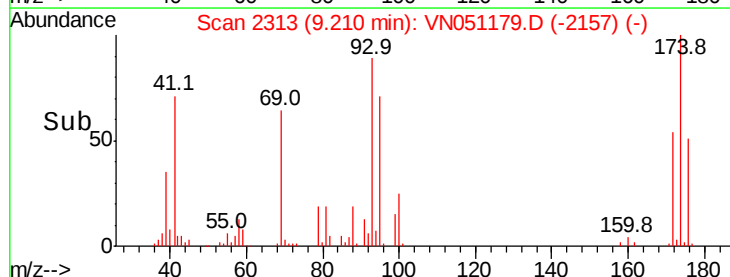
30000

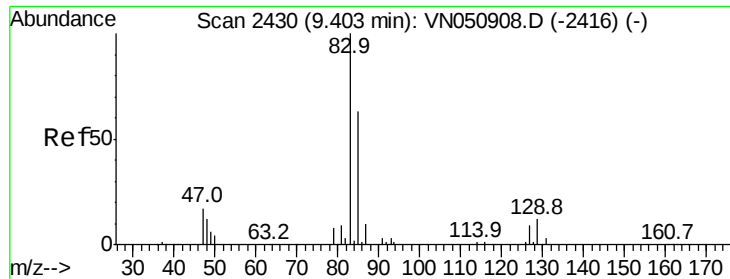
20000

10000

0

Time--> 9.10 9.20 9.30





#41

Bromodichloromethane

Concen: 19.666 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

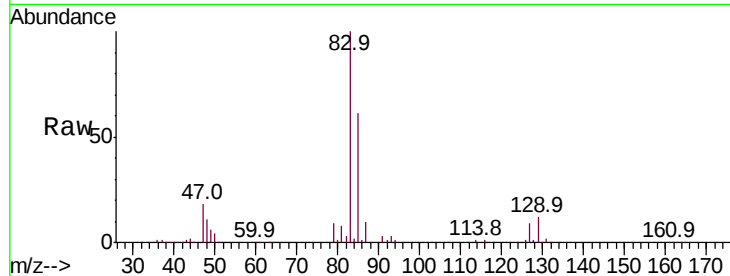
Tot Ion: 83 Resp: 171663

Ion Ratio Lower Upper

83 100

85 61.1 50.6 76.0

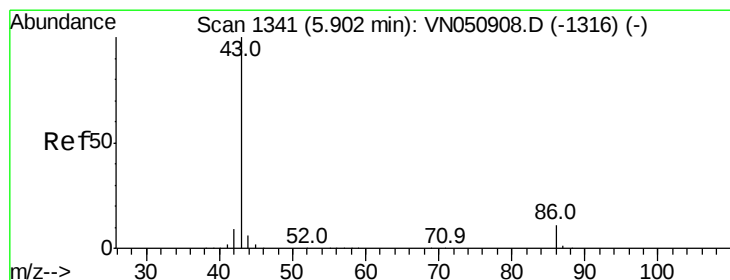
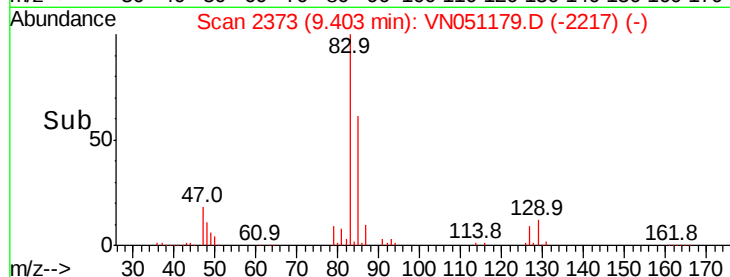
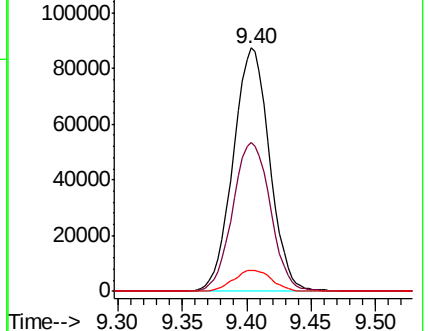
127 8.8 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 90.848 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051179.D

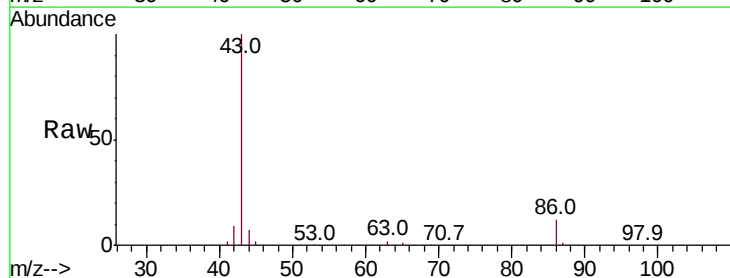
Acq: 14 Sep 2018 10:42

Tgt Ion: 43 Resp: 1095248

Ion Ratio Lower Upper

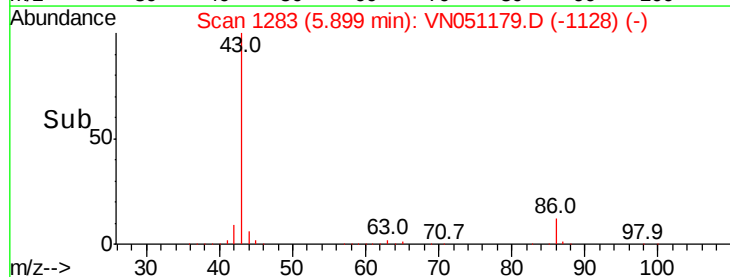
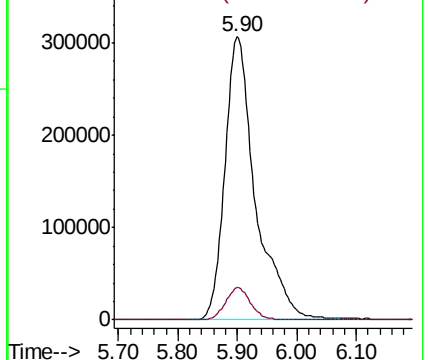
43 100

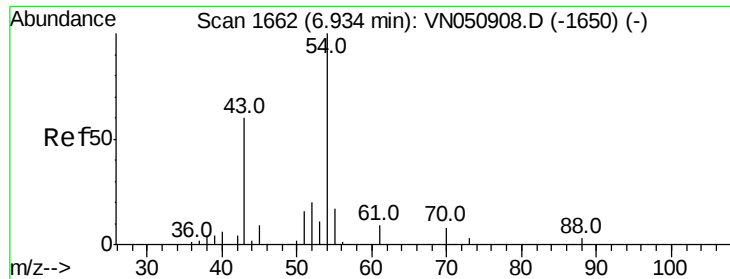
86 9.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 16.134 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

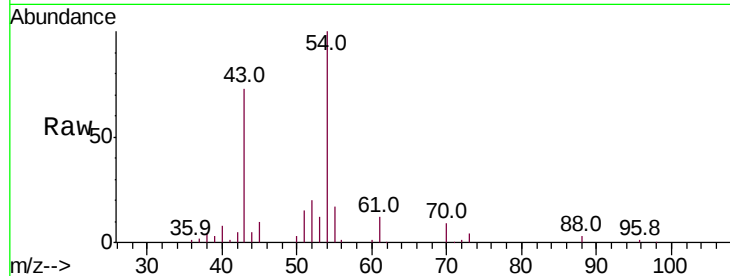
VN0914WBS01

Tot Ion: 43 Resp: 86508

Ion Ratio Lower Upper

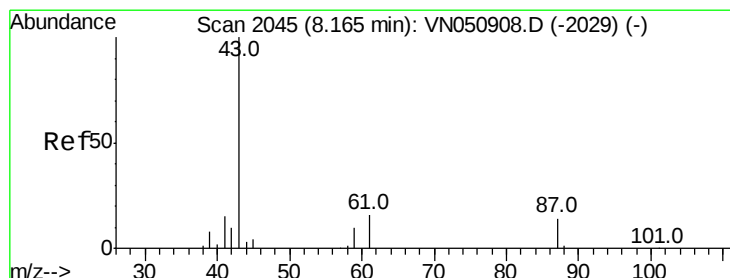
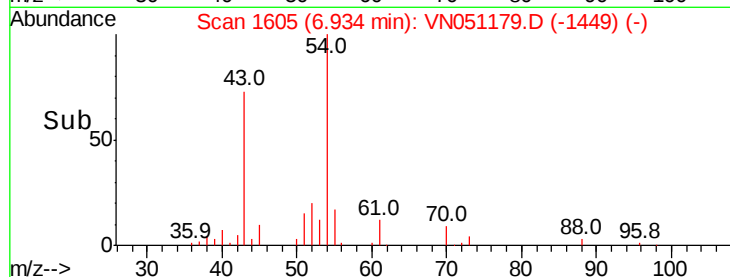
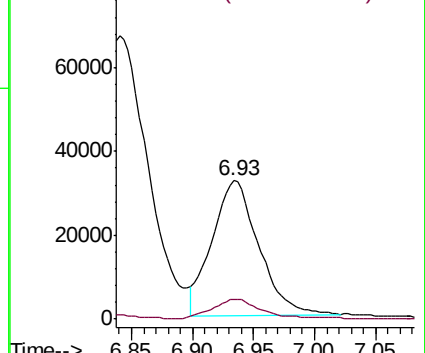
43 100

45 13.7 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 16.974 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051179.D

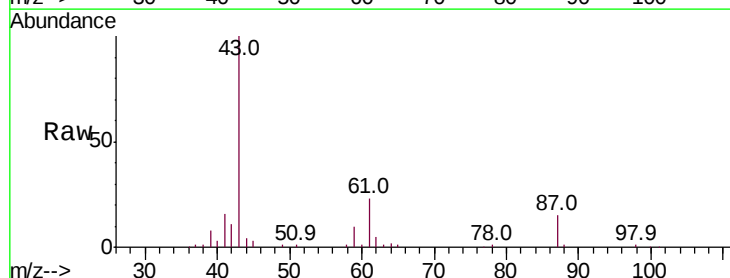
Acq: 14 Sep 2018 10:42

Tgt Ion: 43 Resp: 160602

Ion Ratio Lower Upper

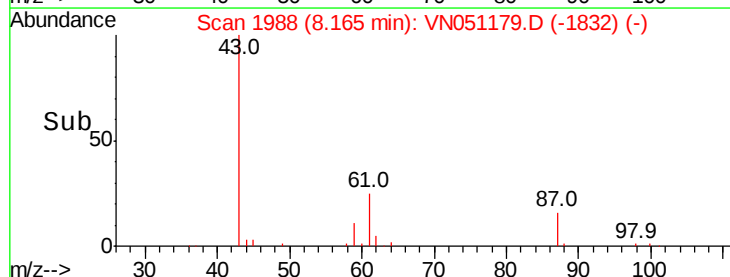
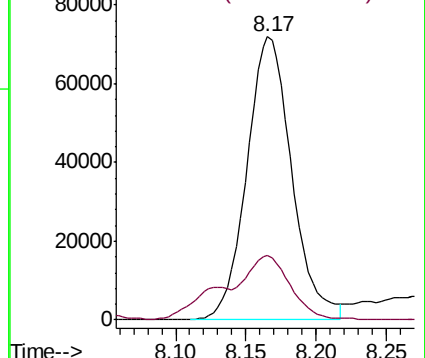
43 100

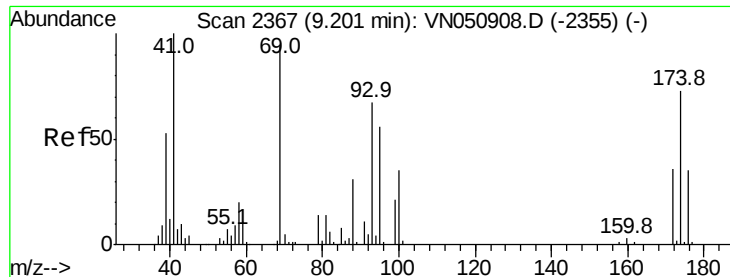
61 21.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 311.384 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

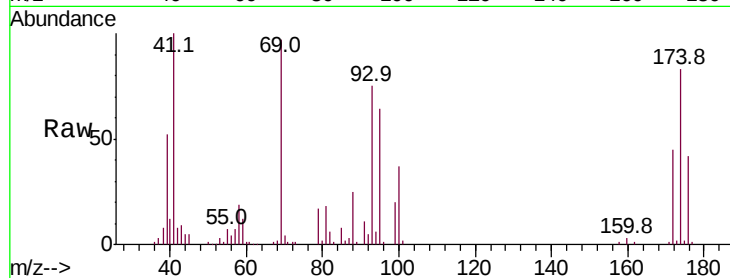
Tot Ion: 88 Resp: 21885

Ion Ratio Lower Upper

88 100

43 27.6 23.5 35.3

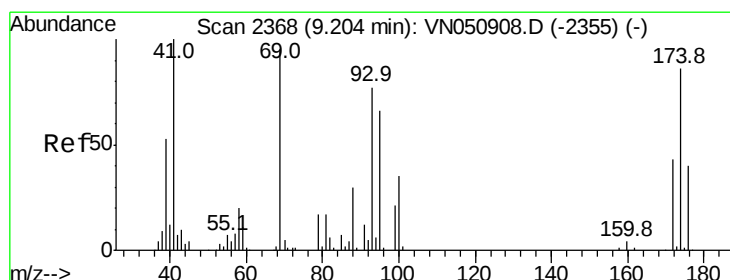
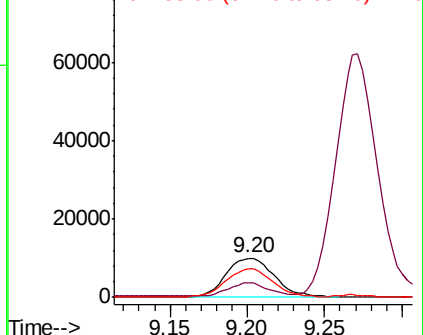
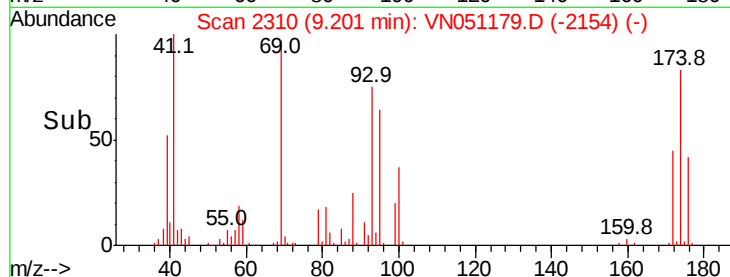
58 71.1 55.2 82.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 15.886 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

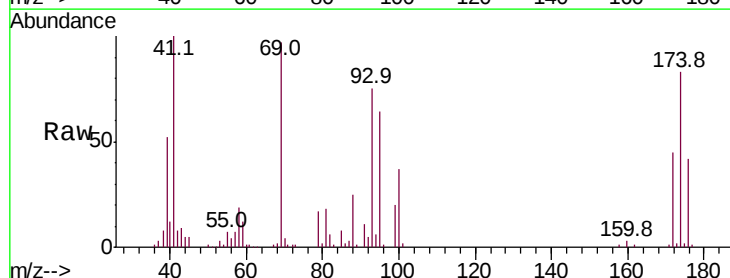
Tgt Ion: 41 Resp: 75275

Ion Ratio Lower Upper

41 100

69 98.1 47.4 142.2

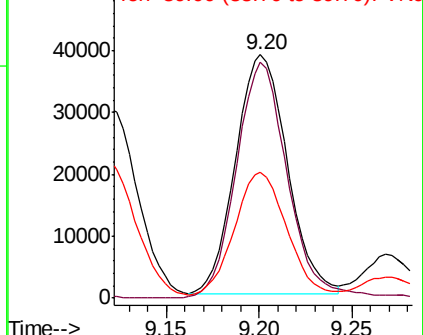
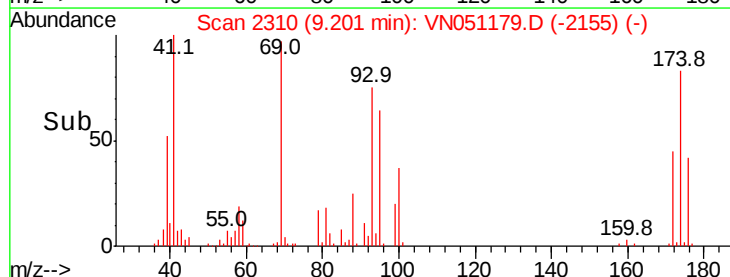
39 51.3 26.6 79.7

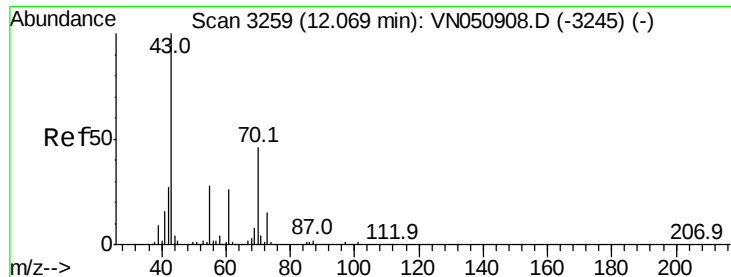


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

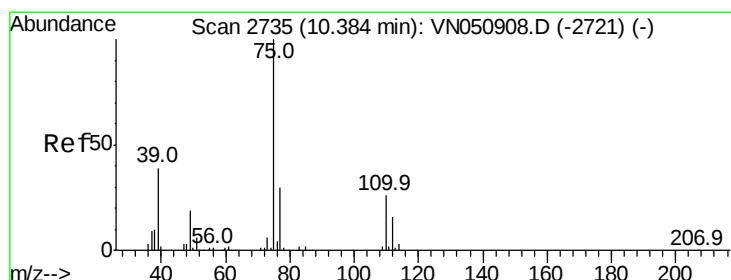
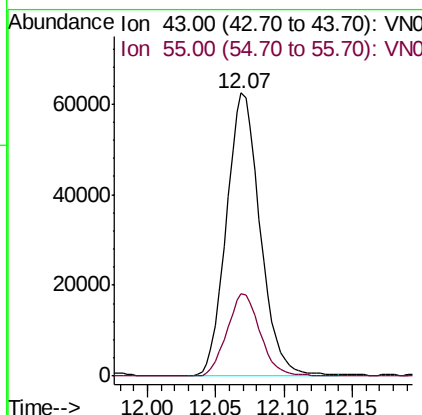
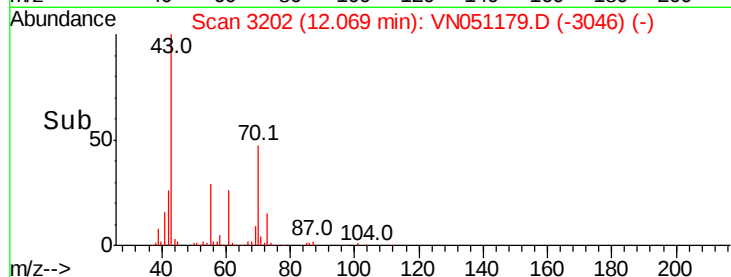
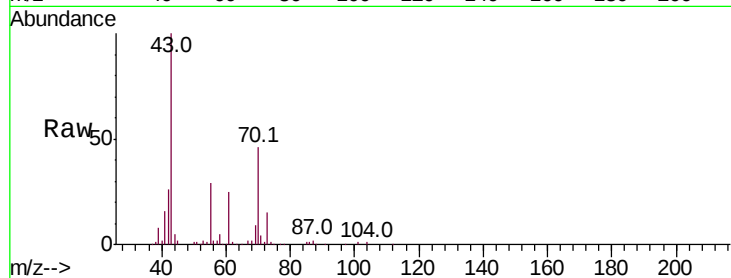




#47
n-amvl Acetate
Concen: 13.951 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

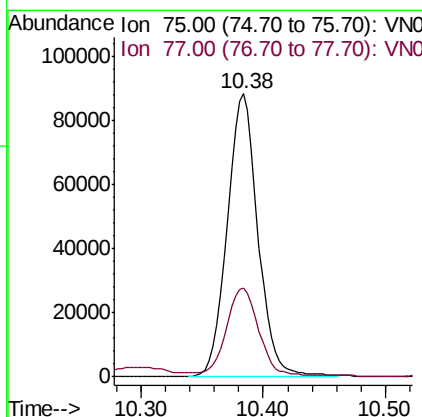
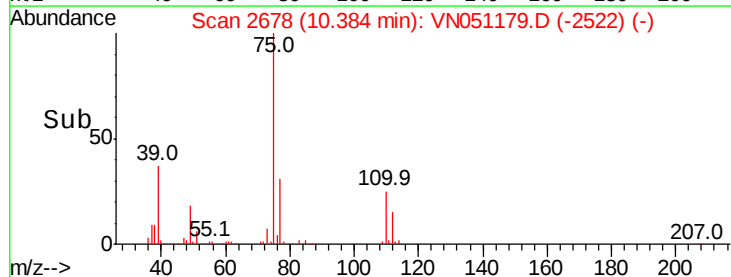
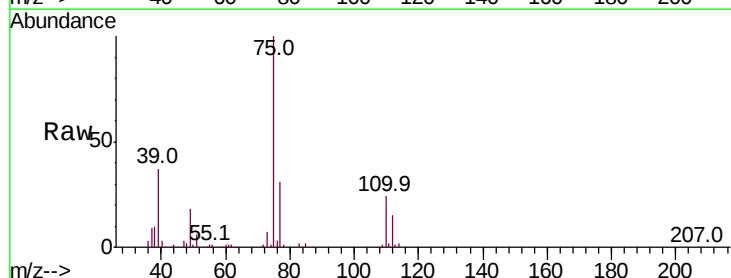
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

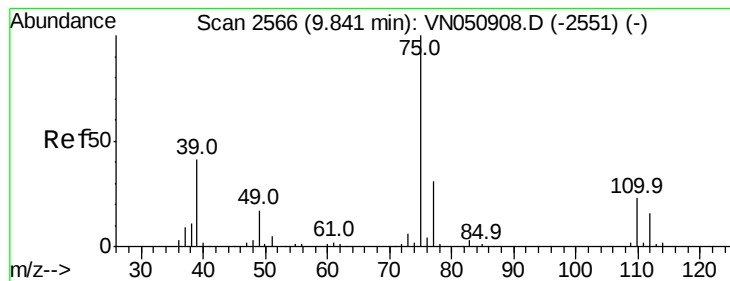
Tot Ion: 43 Resp: 106120
Ion Ratio Lower Upper
43 100
55 29.0 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 18.208 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 75 Resp: 155801
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2



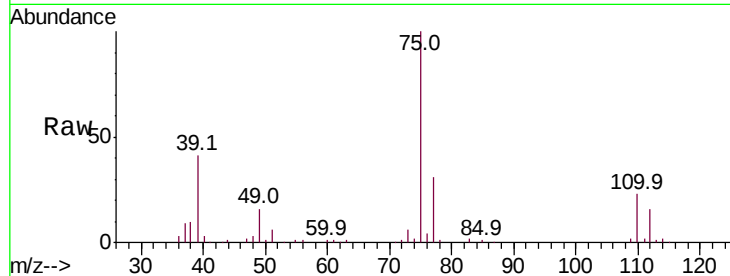


#49

cis-1,3-Dichloropropene
 Concen: 19.364 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	40.4	32.9	49.3

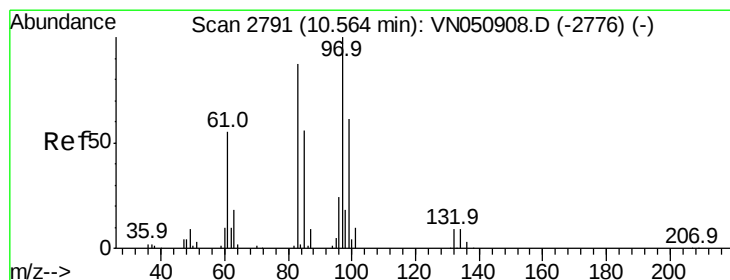
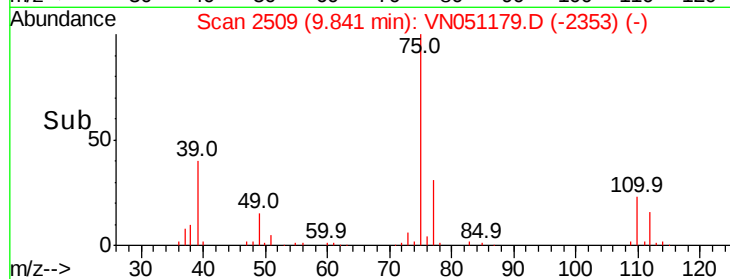
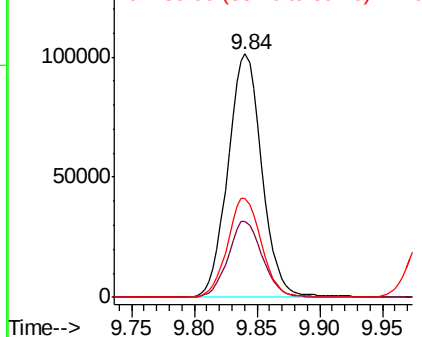


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

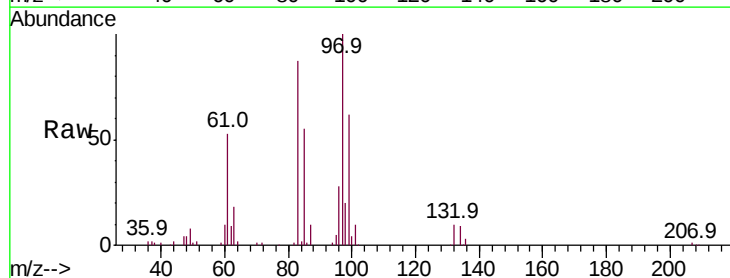
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 19.475 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.8	104.6
85	55.5	45.0	67.6
99	62.4	49.1	73.7



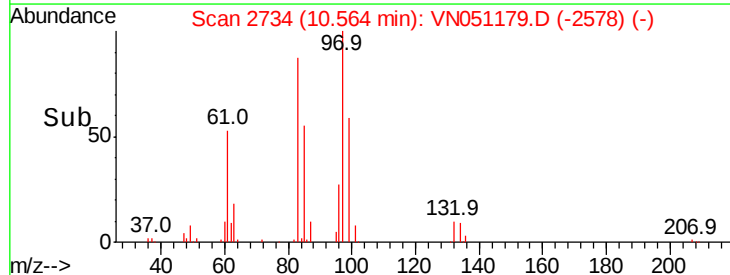
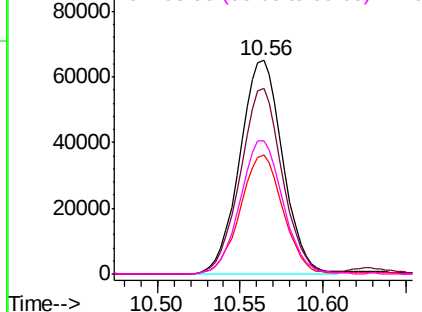
Abundance

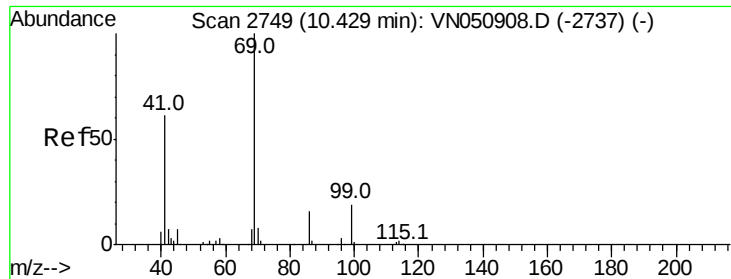
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 16.760 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

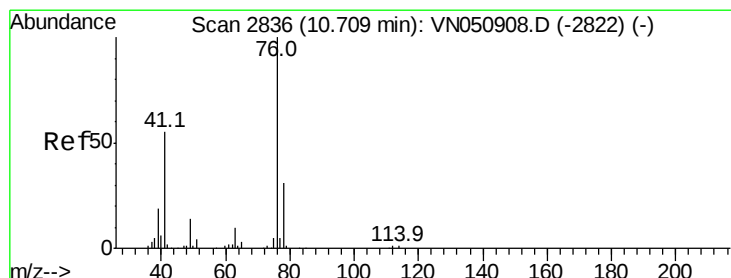
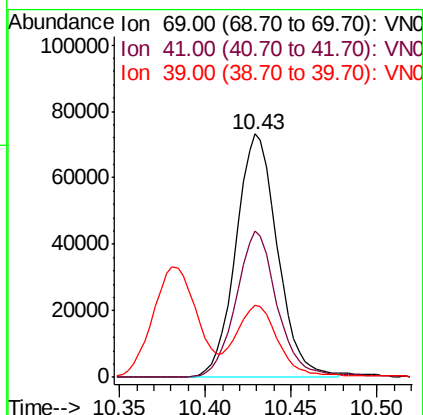
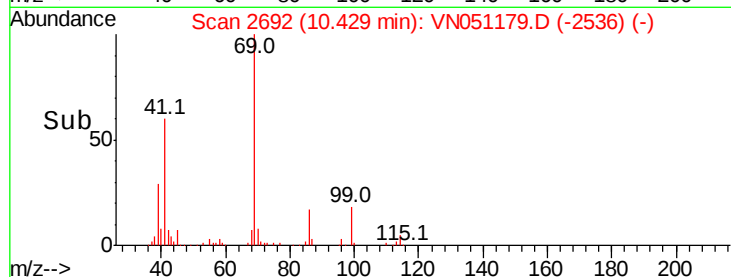
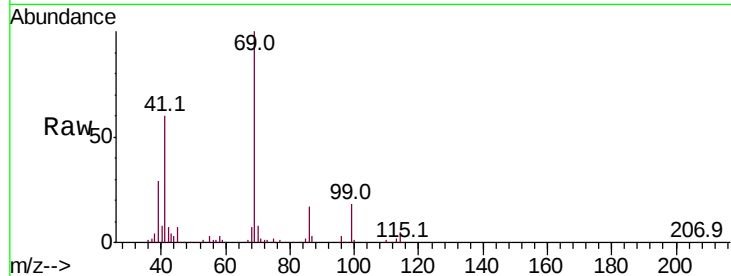
Tot Ion: 69 Resp: 123375

Ion Ratio Lower Upper

69 100

41 59.6 30.5 91.5

39 28.4 15.3 45.8



#52

1,3-Dichloropropane

Concen: 18.937 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051179.D

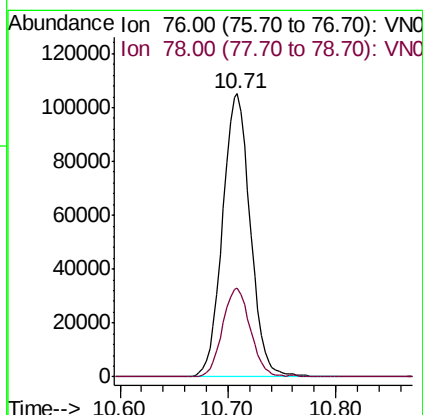
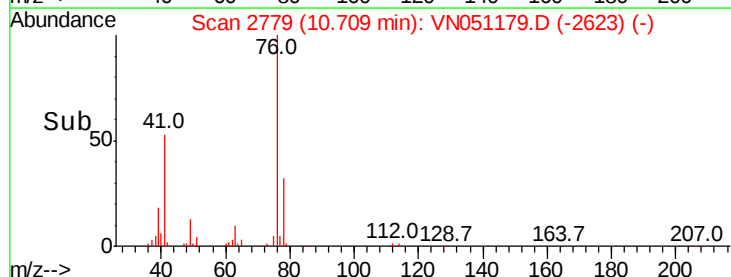
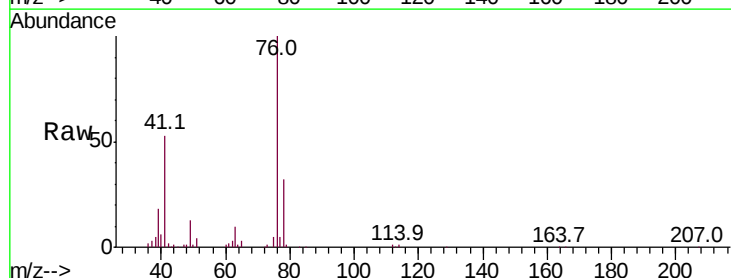
Acq: 14 Sep 2018 10:42

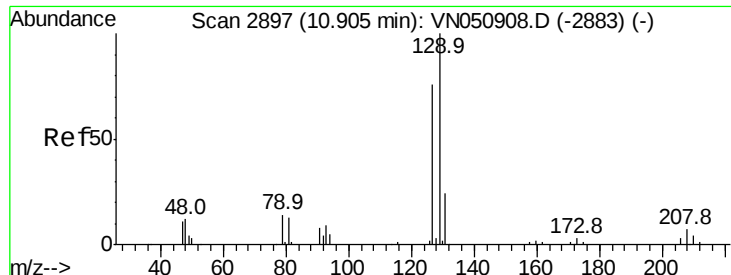
Tgt Ion: 76 Resp: 188723

Ion Ratio Lower Upper

76 100

78 31.5 0.0 63.4

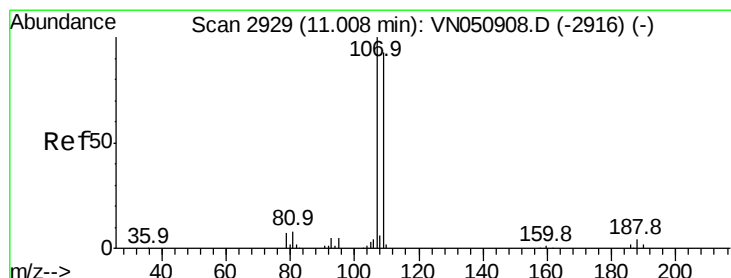
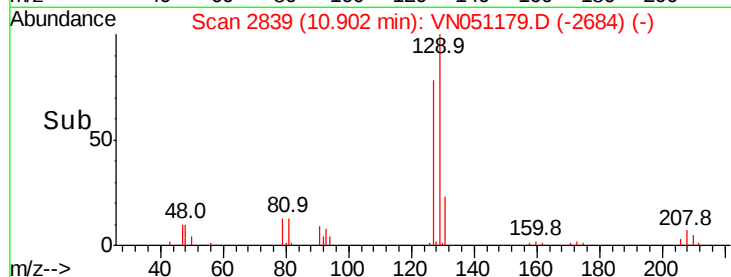
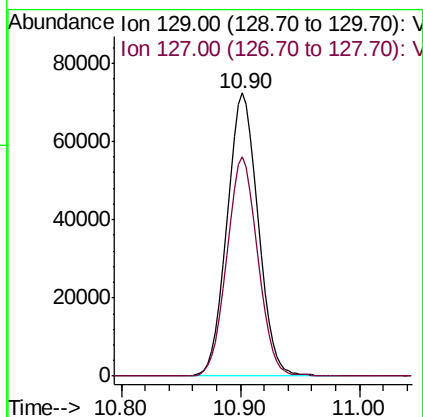
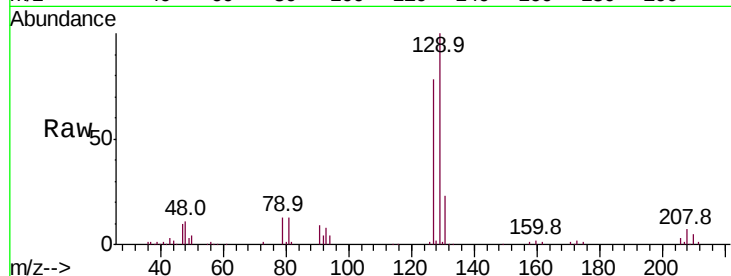




#53
Dibromochloromethane
Concen: 19.178 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

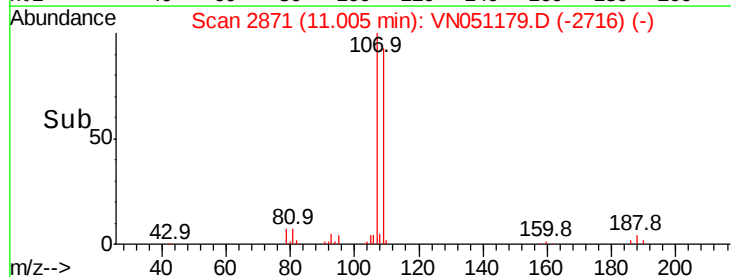
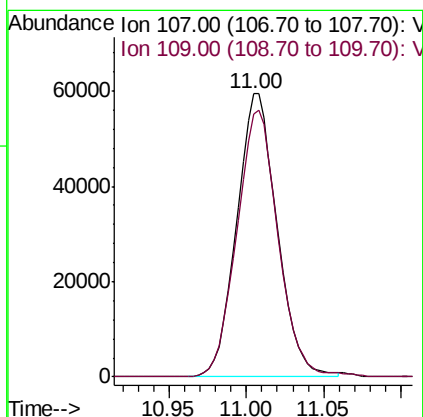
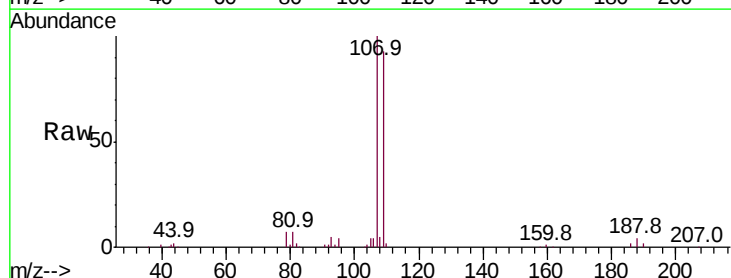
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

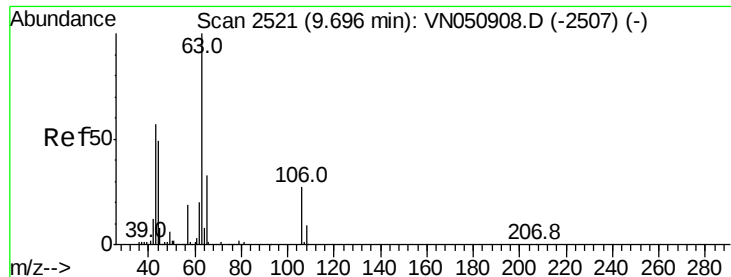
Tot Ion:129 Resp: 131204
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9



#54
1,2-Dibromoethane
Concen: 18.138 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion:107 Resp: 107907
Ion Ratio Lower Upper
107 100
109 96.4 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 76.174 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

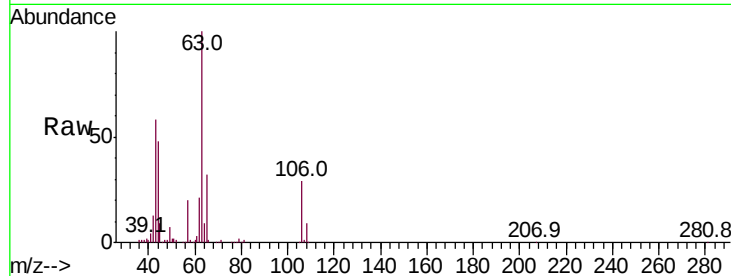
Tot Ion: 63 Resp: 233322

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2

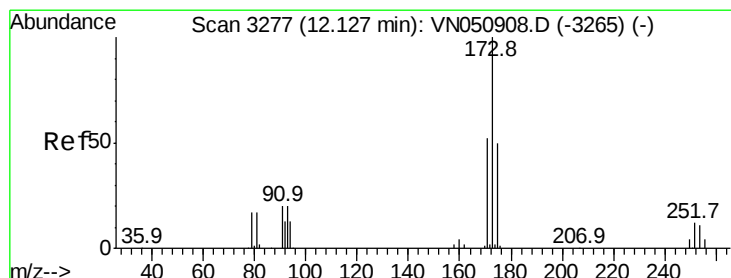
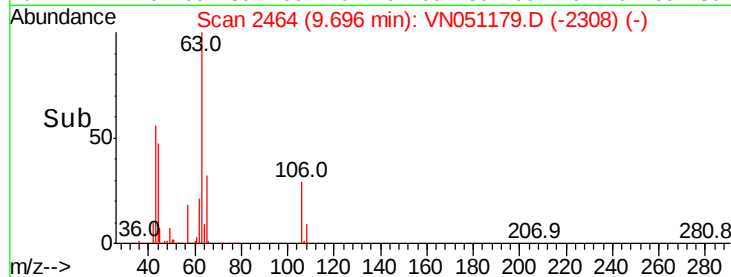
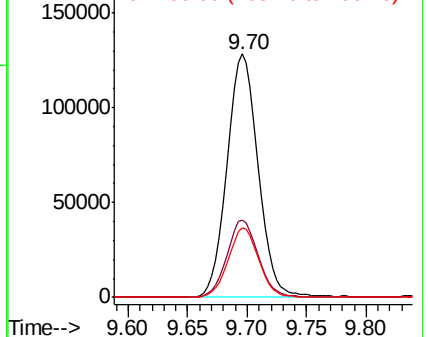
106 28.0 22.0 33.0



Abundance Ion 63.00 (62.70 to 63.70): VN051179.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN051179.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN051179.D (-2308) (-)



#56

Bromoform

Concen: 17.398 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

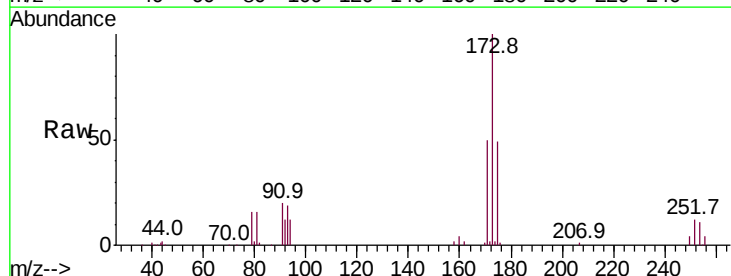
Tgt Ion: 173 Resp: 84656

Ion Ratio Lower Upper

173 100

175 49.8 39.2 58.8

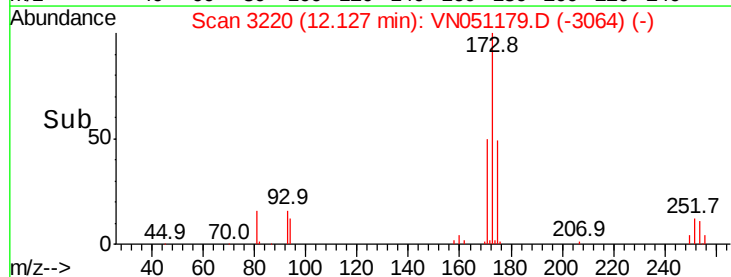
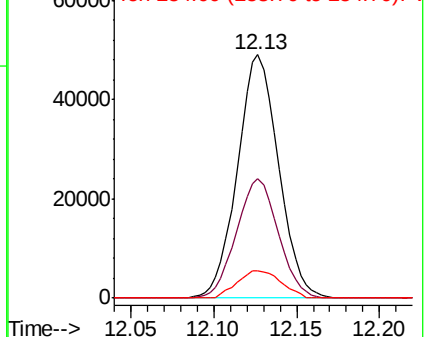
254 11.9 9.0 13.6

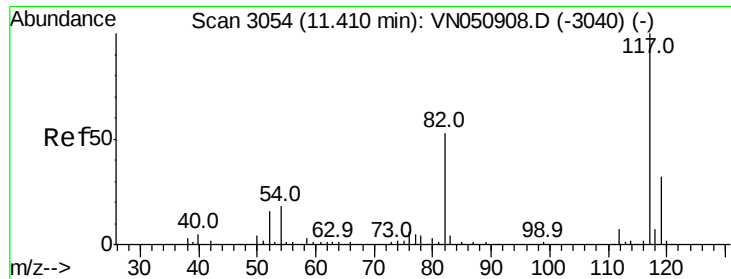


Abundance Ion 173.00 (172.70 to 173.70): VN051179.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN051179.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN051179.D (-3064) (-)

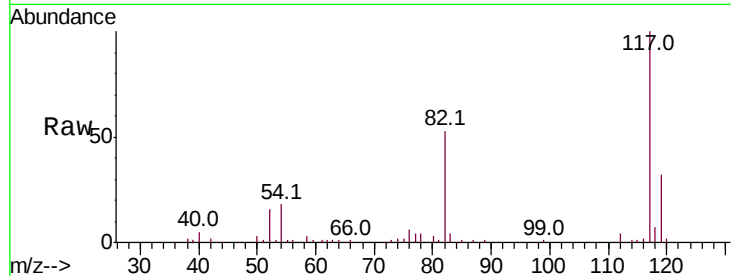




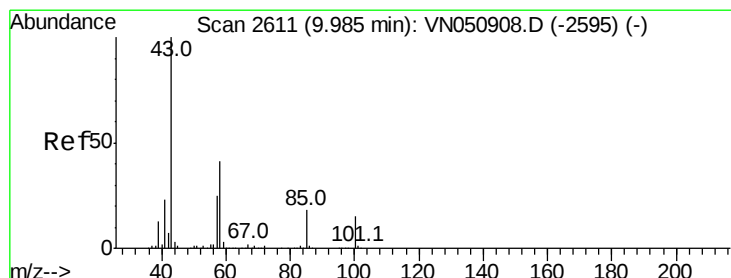
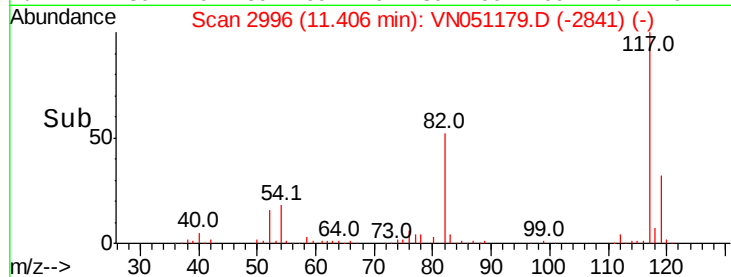
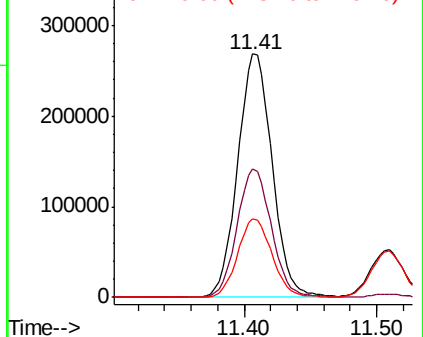
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

Tot Ion:117 Resp: 485049
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 32.2 25.7 38.5

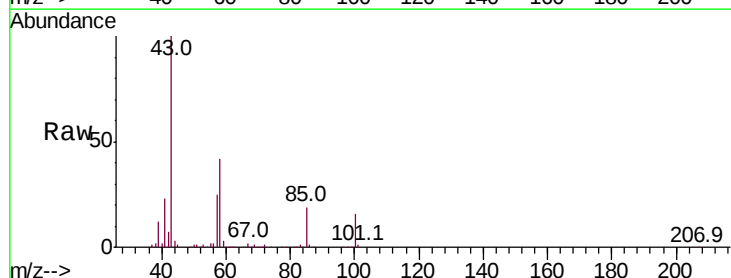


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

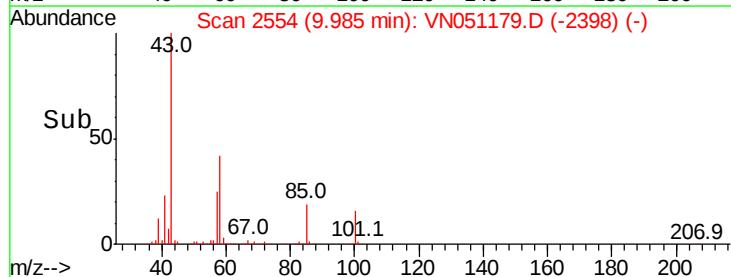
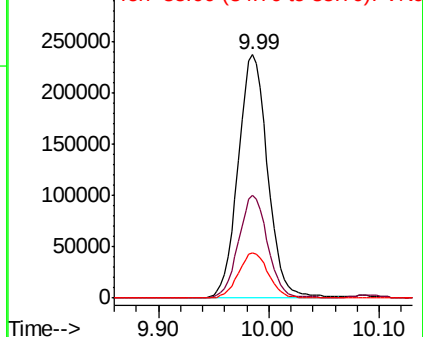


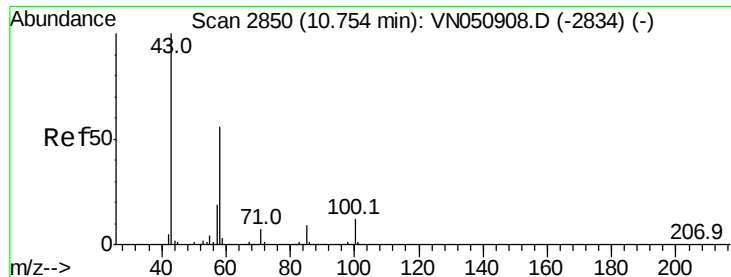
#58
4-Methyl-2-Pentanone
Concen: 79.213 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 43 Resp: 439609
Ion Ratio Lower Upper
43 100
58 41.7 32.3 48.5
85 18.9 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

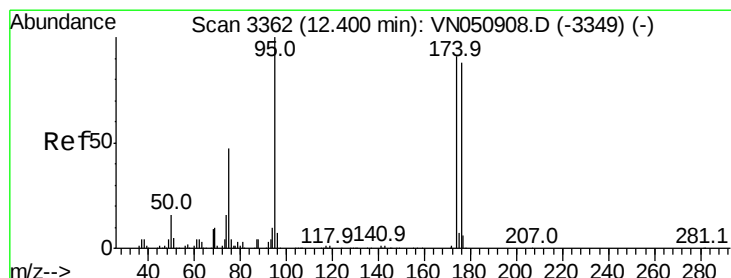
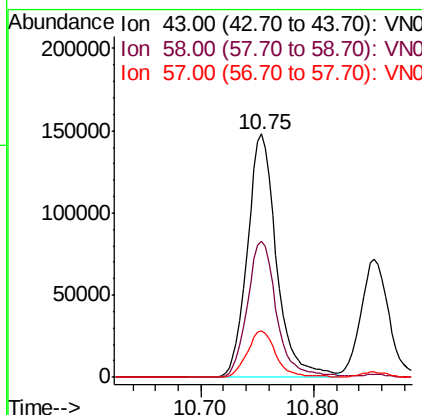
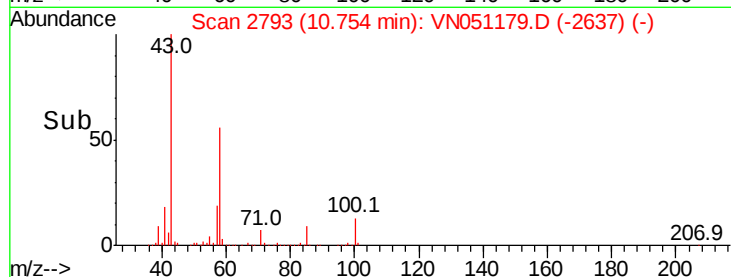
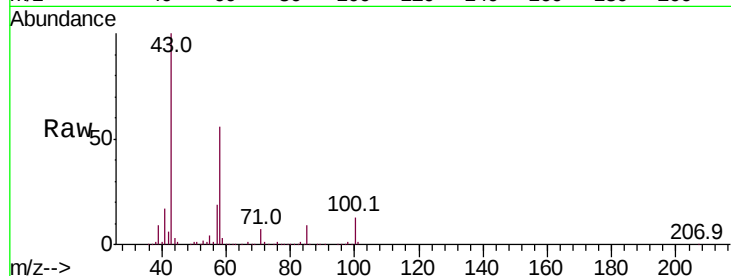




#59
2-Hexanone
Concen: 73.240 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

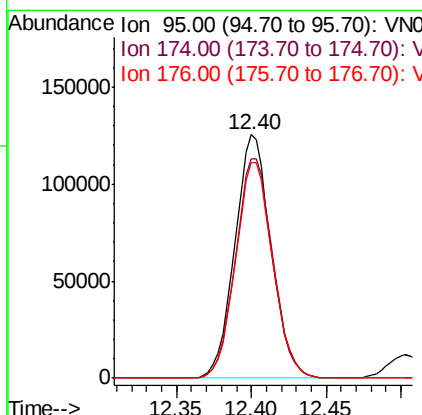
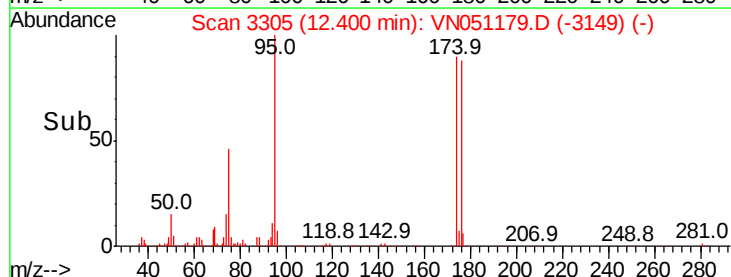
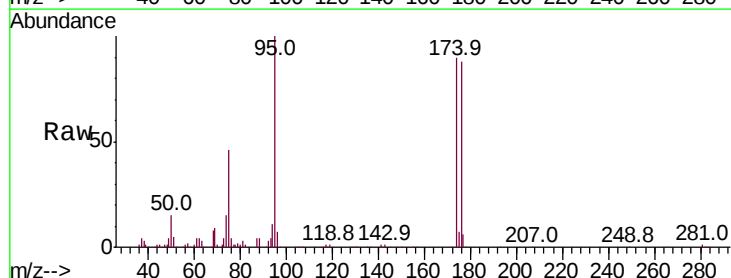
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

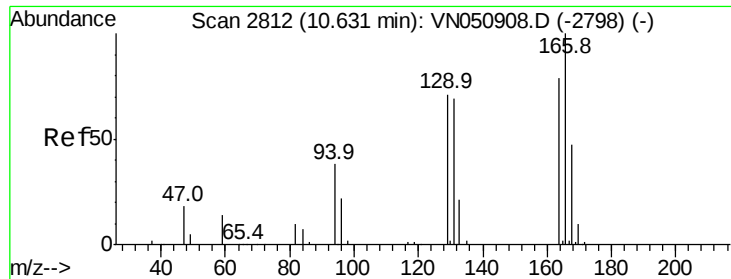
Tot Ion: 43 Resp: 265682
Ion Ratio Lower Upper
43 100
58 56.4 45.5 68.3
57 18.8 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.203 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 95 Resp: 210639
Ion Ratio Lower Upper
95 100
174 93.4 74.6 112.0
176 90.5 71.5 107.3

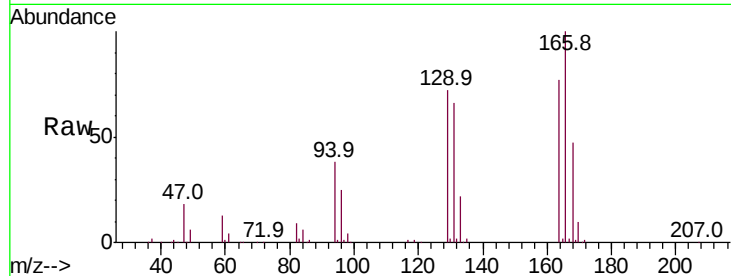




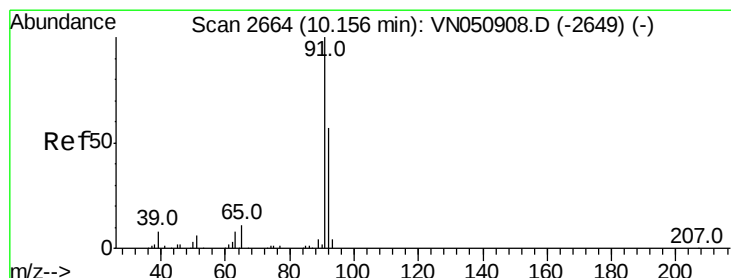
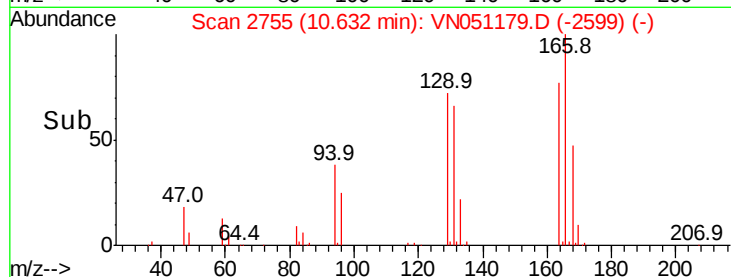
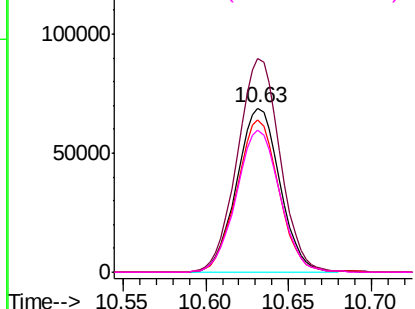
#61
Tetrachloroethene
Concen: 20.649 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

Tot Ion:164 Resp: 124805
Ion Ratio Lower Upper
164 100
166 130.0 100.6 151.0
129 93.0 71.0 106.6
131 86.5 69.3 103.9

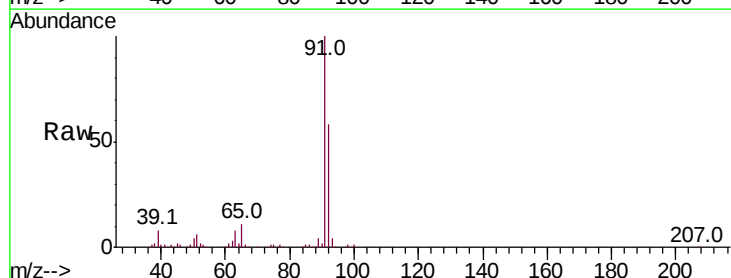


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

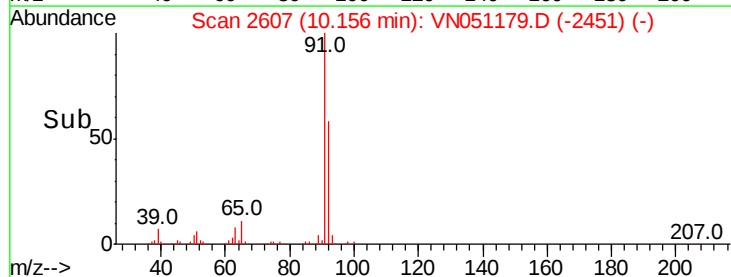
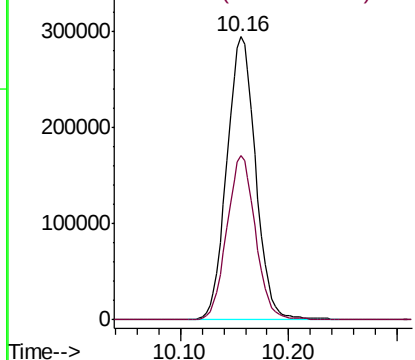


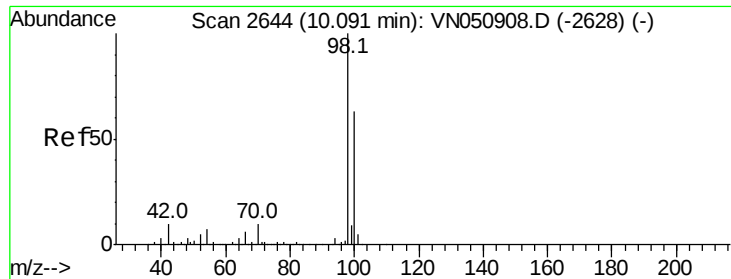
#62
Toluene
Concen: 20.250 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion: 91 Resp: 547964
Ion Ratio Lower Upper
91 100
92 57.7 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.606 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

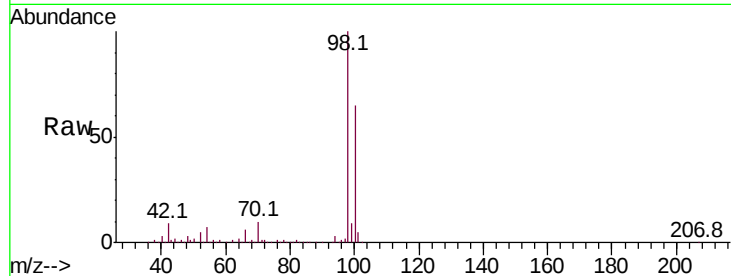
VN0914WBS01

Tot Ion: 98 Resp: 692301

Ion Ratio Lower Upper

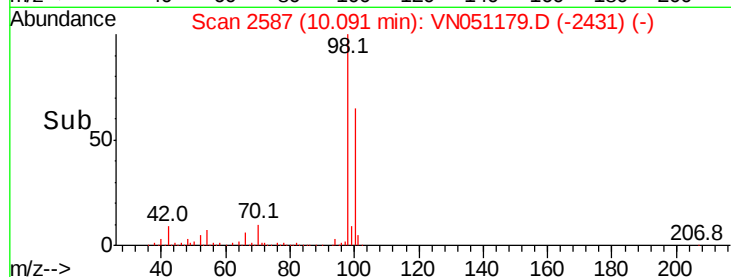
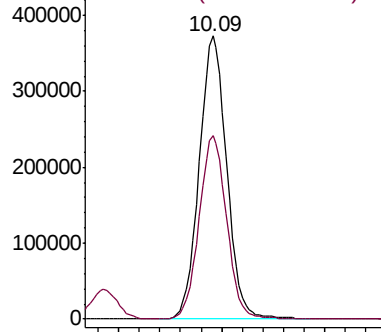
98 100

100 64.6 50.6 75.8

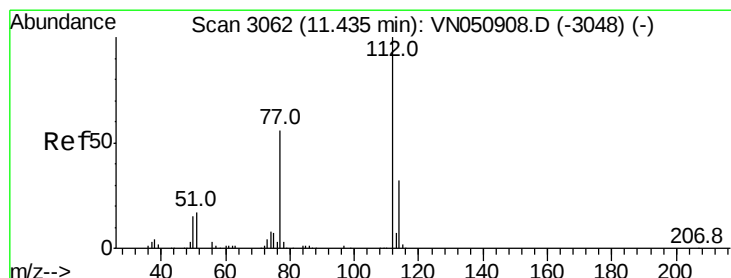


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#64

Chlorobenzene

Concen: 20.054 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051179.D

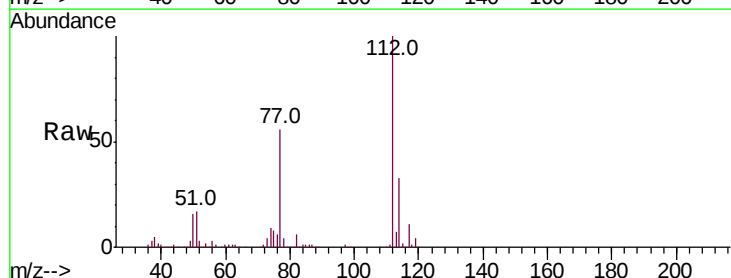
Acq: 14 Sep 2018 10:42

Tgt Ion: 112 Resp: 336323

Ion Ratio Lower Upper

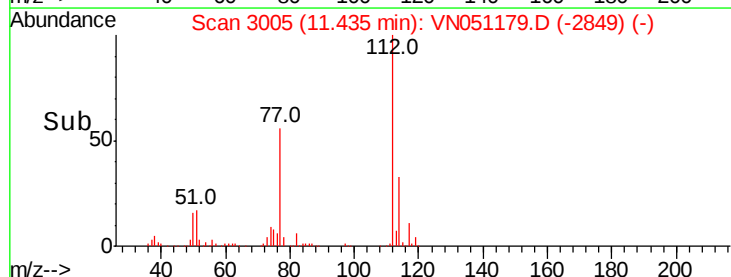
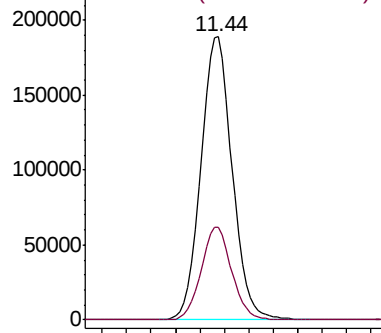
112 100

114 32.8 25.5 38.3

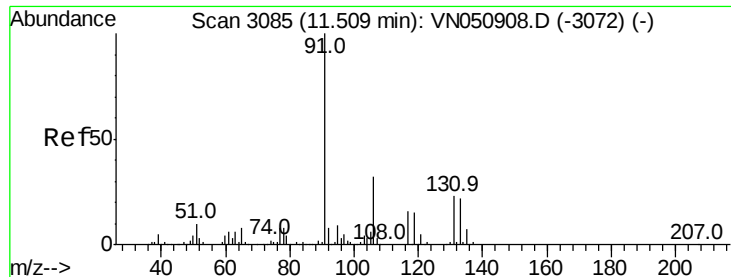


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#65

1,1,1,2-Tetrachloroethane

Concen: 21.151 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

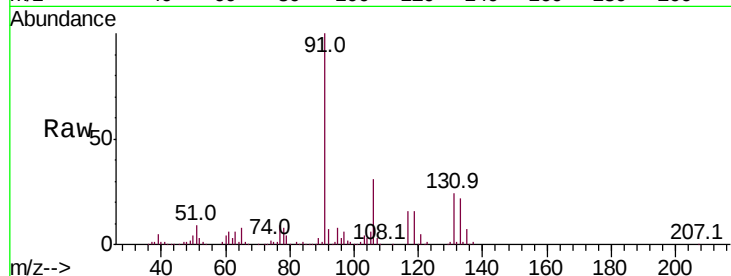
Tot Ion:131 Resp: 133933

Ion Ratio Lower Upper

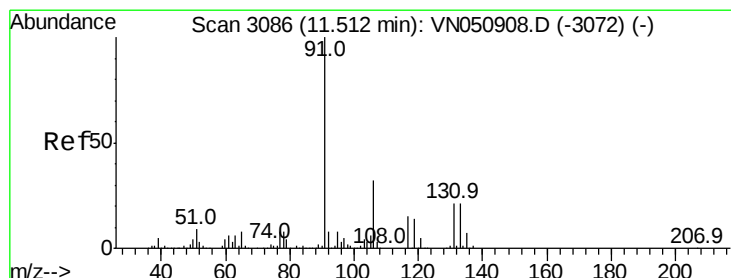
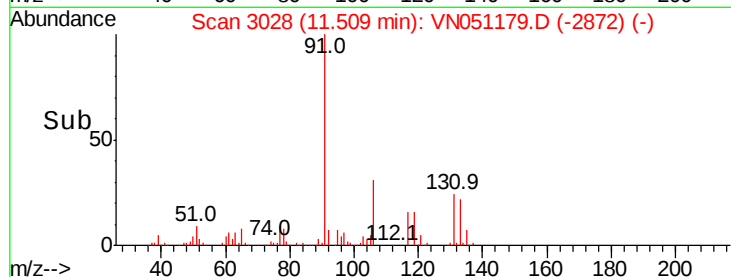
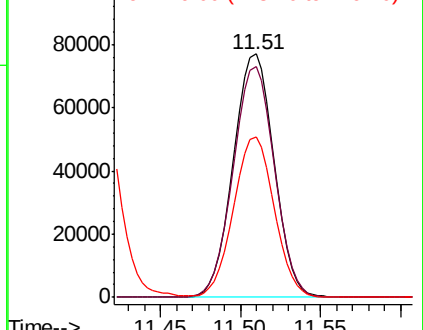
131 100

133 96.0 0.0 189.4

119 65.8 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.523 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051179.D

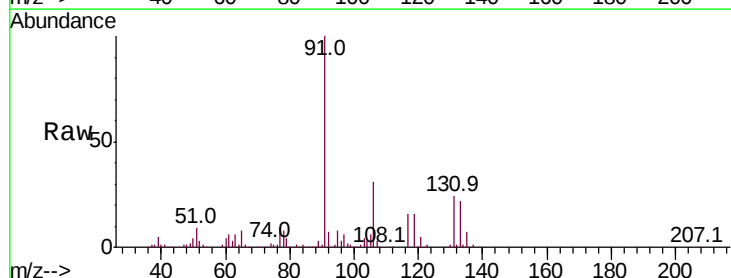
Acq: 14 Sep 2018 10:42

Tgt Ion: 91 Resp: 547233

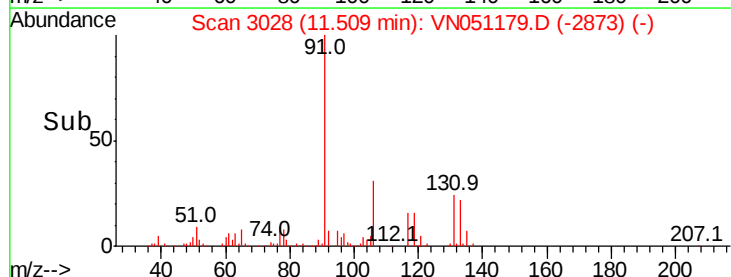
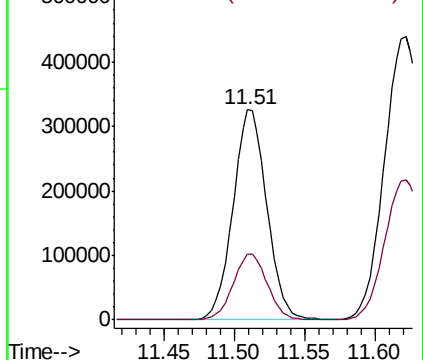
Ion Ratio Lower Upper

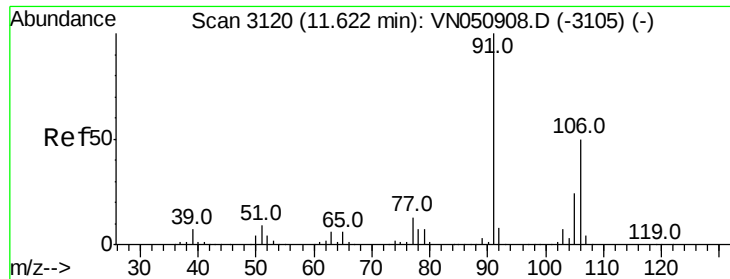
91 100

106 31.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

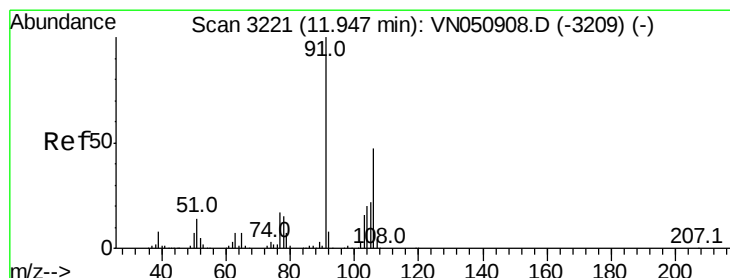
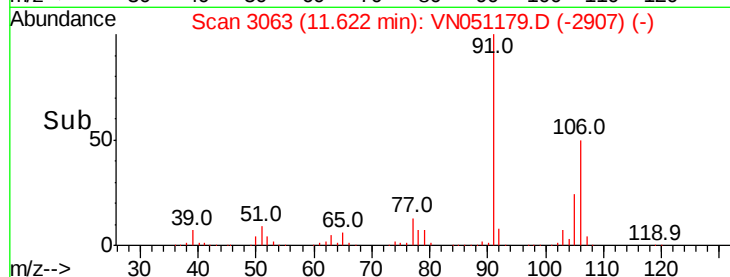
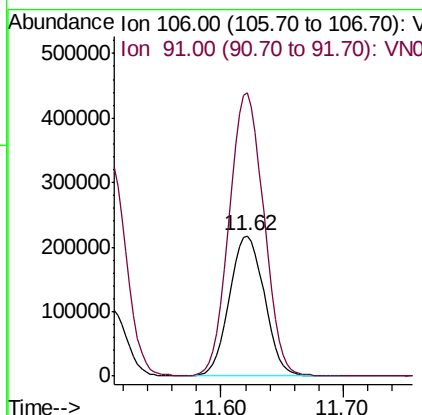
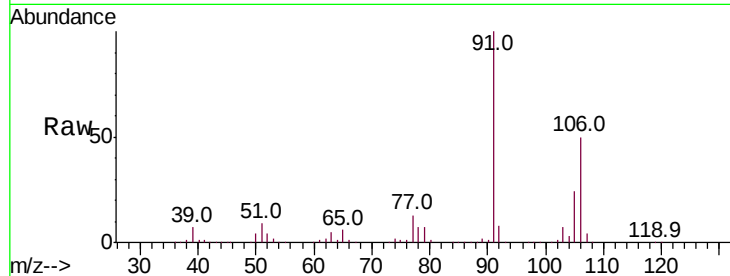




#67
m/p-Xylenes
Concen: 40.243 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

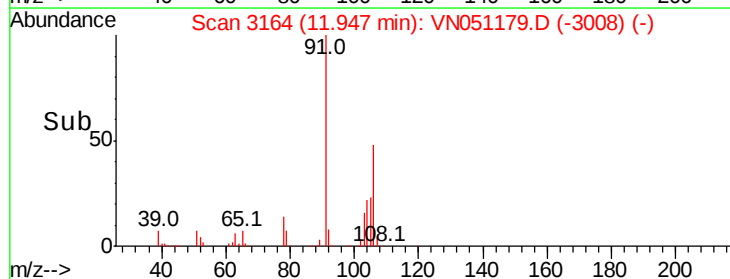
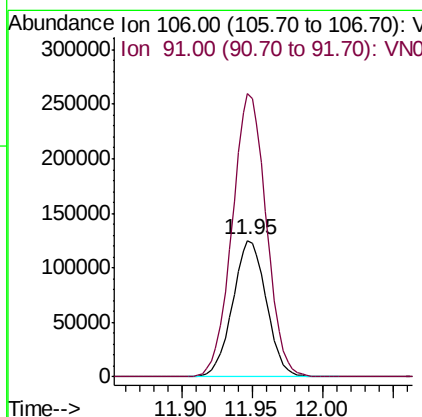
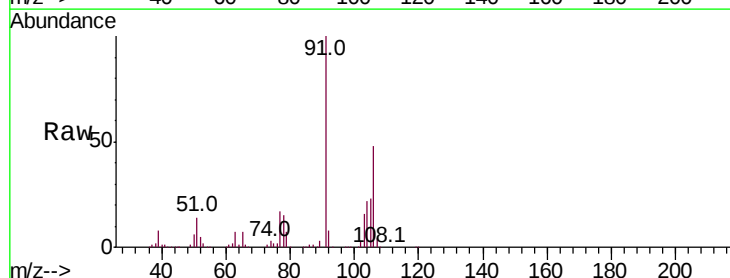
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS01

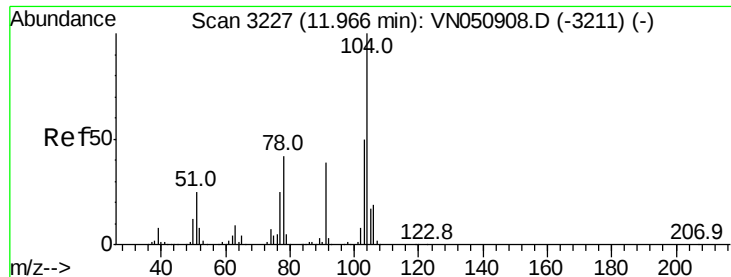
Tot Ion:106 Resp: 434016
Ion Ratio Lower Upper
106 100
91 200.2 160.6 241.0



#68
o-Xylene
Concen: 20.326 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion:106 Resp: 209463
Ion Ratio Lower Upper
106 100
91 209.7 106.4 319.2

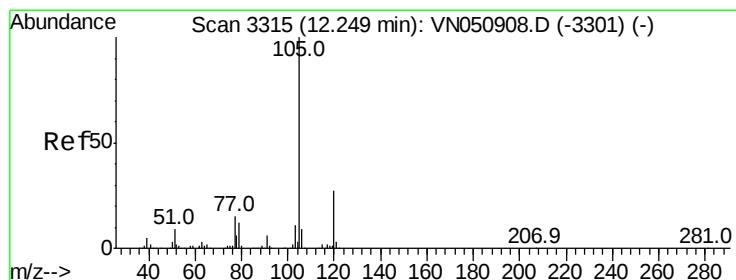
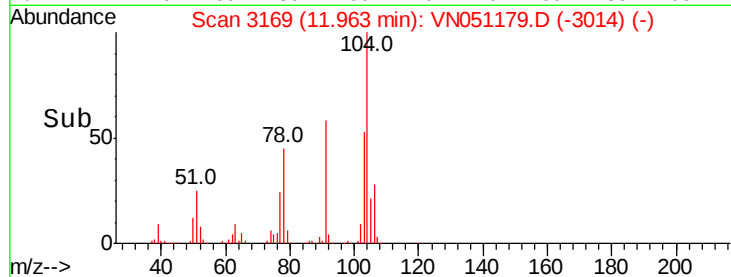
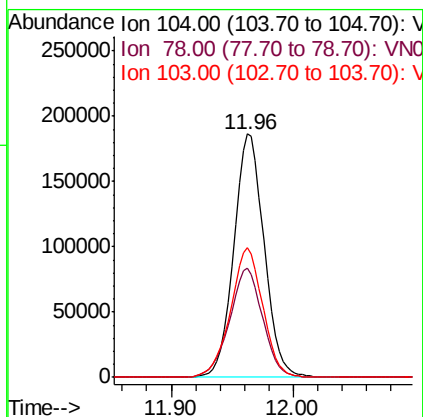
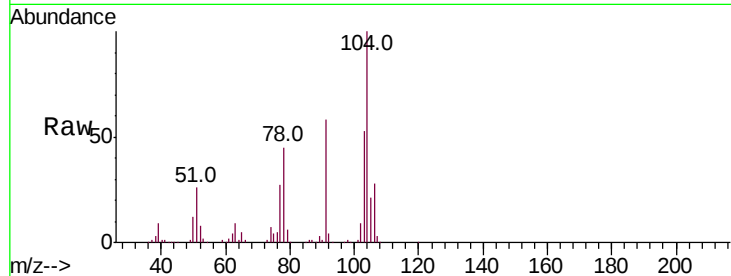




#69
Stvrene
Concen: 19.549 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

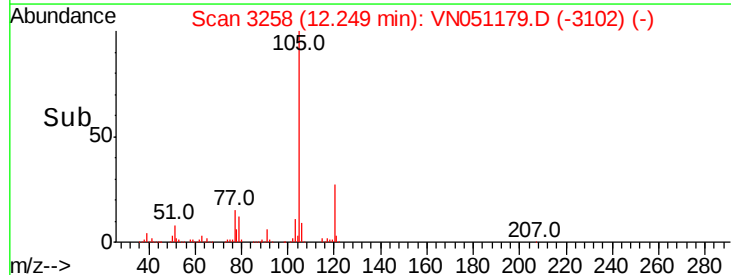
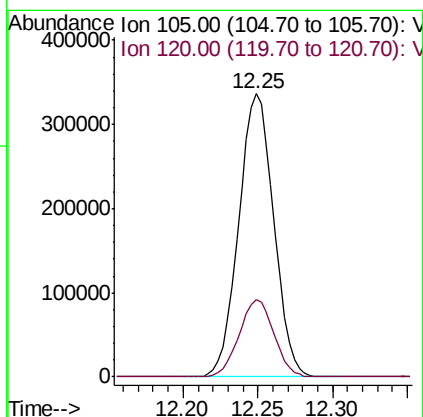
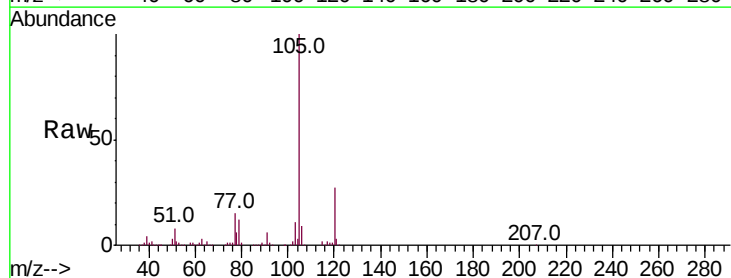
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS01

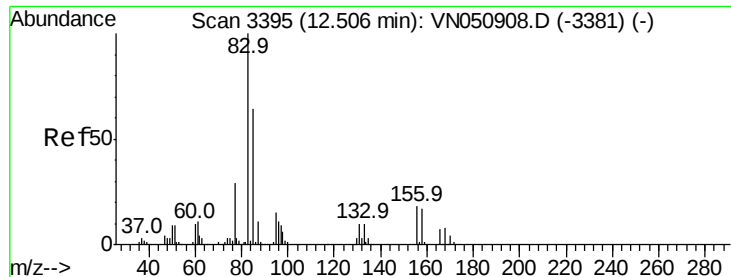
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	38.6	58.0
103	56.9	45.4	68.2



#70
Isopropylbenzene
Concen: 20.006 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051179.D
Acq: 14 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 18.104 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

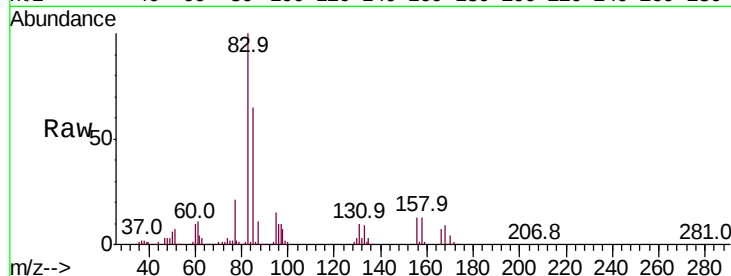
Tot Ion: 83 Resp: 134223

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

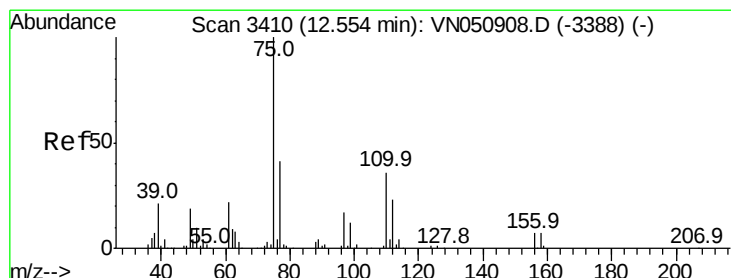
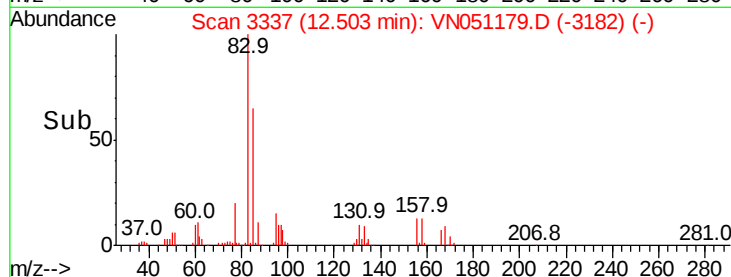
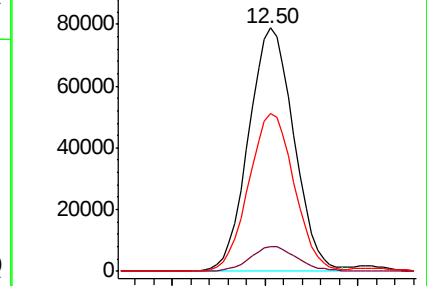
85 65.3 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN050908.D (-3381) (-)

Ion 131.00 (130.70 to 131.70): VN050908.D (-3381) (-)

Ion 85.00 (84.70 to 85.70): VN050908.D (-3381) (-)



#72

1,2,3-Trichloropropane

Concen: 23.275 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051179.D

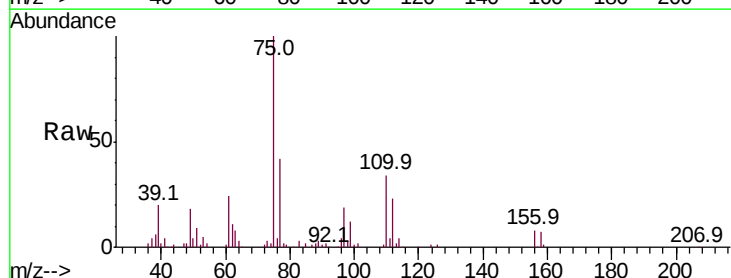
Acq: 14 Sep 2018 10:42

Tgt Ion: 75 Resp: 148876

Ion Ratio Lower Upper

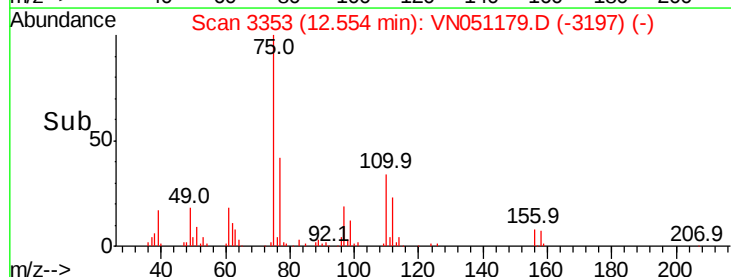
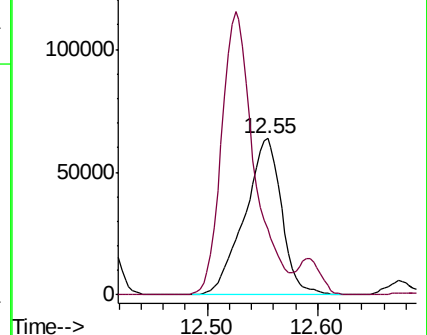
75 100

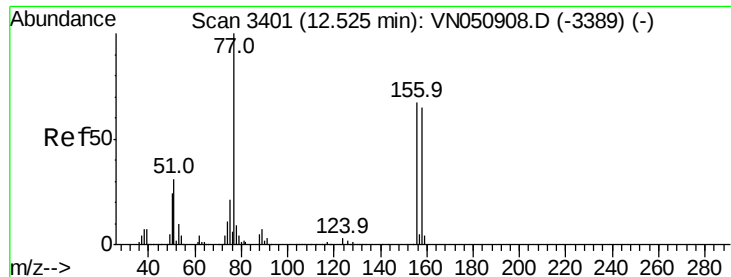
77 159.8 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN050908.D (-3388) (-)

Ion 77.00 (76.70 to 77.70): VN050908.D (-3388) (-)





#73

Bromobenzene

Concen: 19.012 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

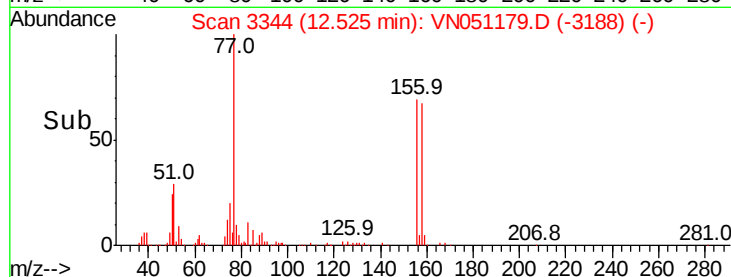
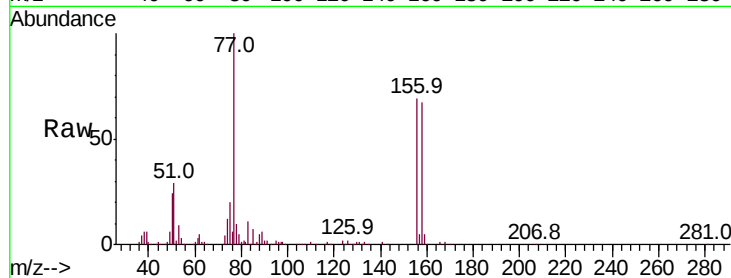
Tot Ion:156 Resp: 136973

Ion Ratio Lower Upper

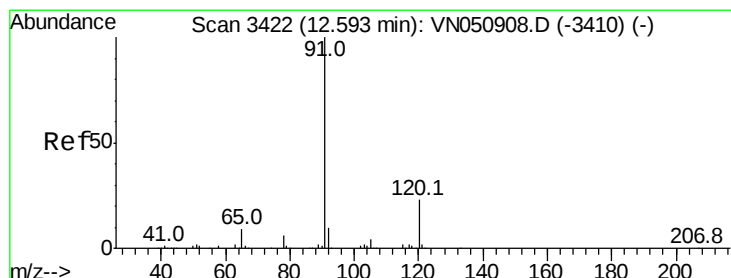
156 100

77 173.7 0.0 359.4

158 99.3 0.0 194.6



Time-->



#74

n-propylbenzene

Concen: 18.893 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051179.D

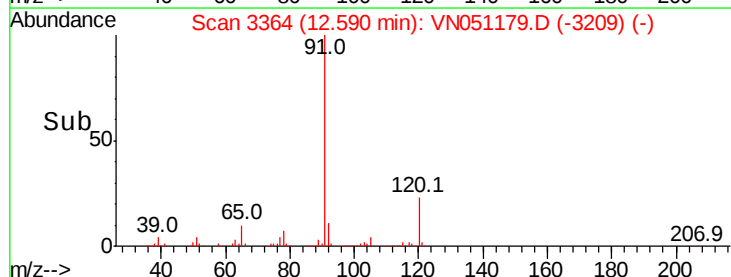
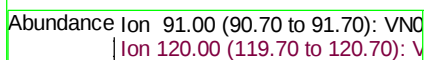
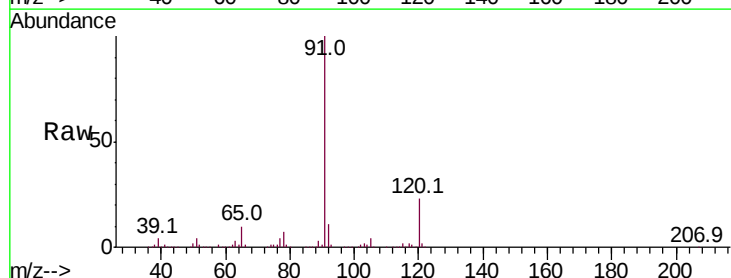
Acq: 14 Sep 2018 10:42

Tgt Ion: 91 Resp: 584899

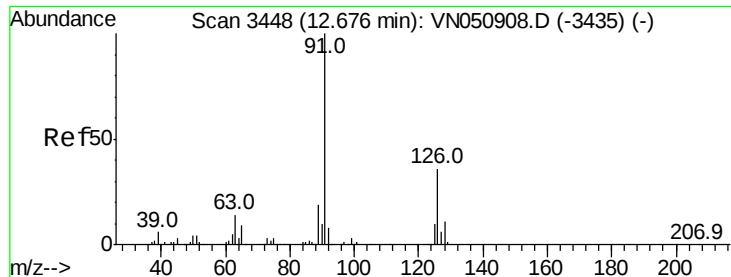
Ion Ratio Lower Upper

91 100

120 24.0 0.0 46.0



Time-->



#75

2-Chlorotoluene

Concen: 19.745 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

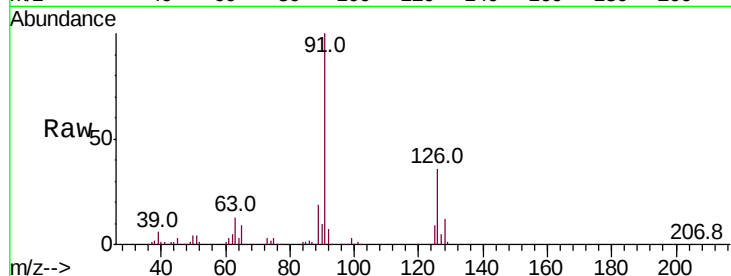
VN0914WBS01

Tot Ion: 91 Resp: 371360

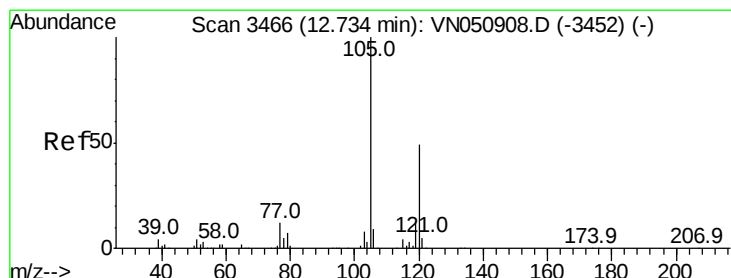
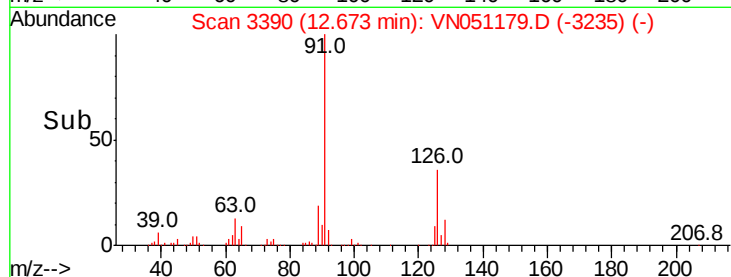
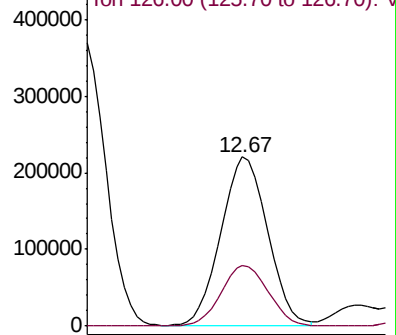
Ion Ratio Lower Upper

91 100

126 36.1 0.0 71.8



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



#76

1,3,5-Trimethylbenzene

Concen: 20.283 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051179.D

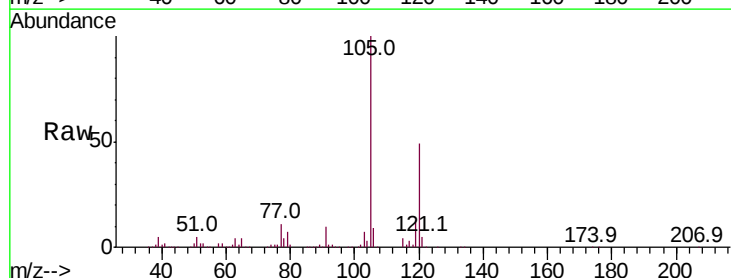
Acq: 14 Sep 2018 10:42

Tgt Ion:105 Resp: 453875

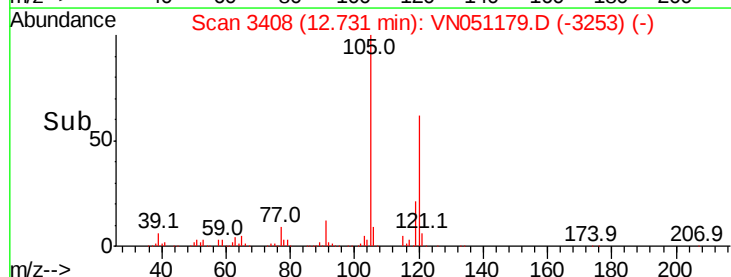
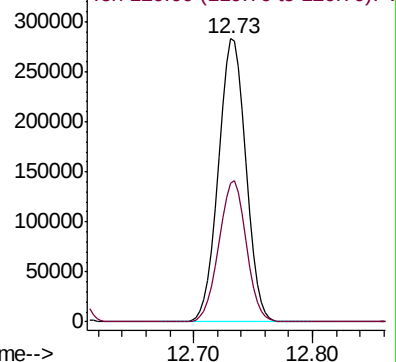
Ion Ratio Lower Upper

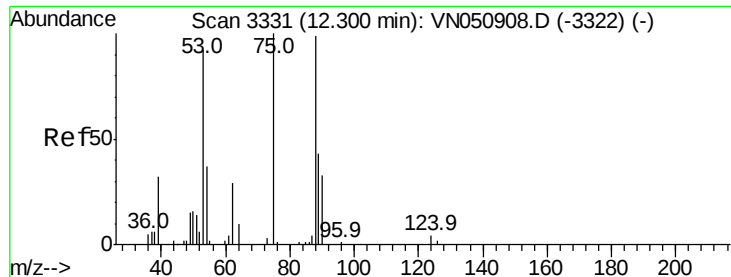
105 100

120 49.6 0.0 99.6



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





#77

t-1,4-Dichloro-2-butene

Concen: 15.218 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

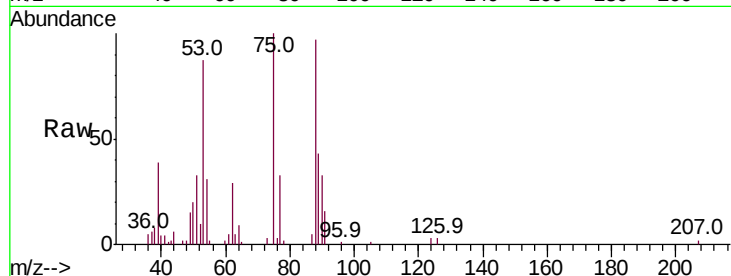
Tot Ion: 75 Resp: 27731

Ion Ratio Lower Upper

75 100

53 86.2 45.5 136.4

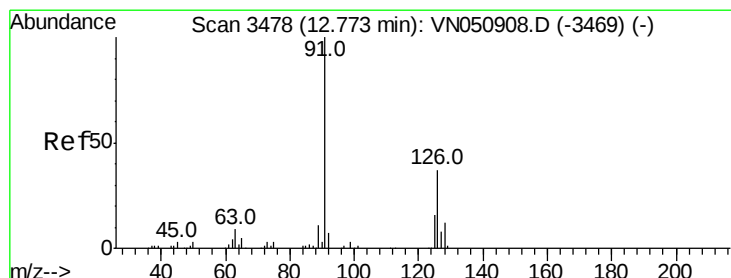
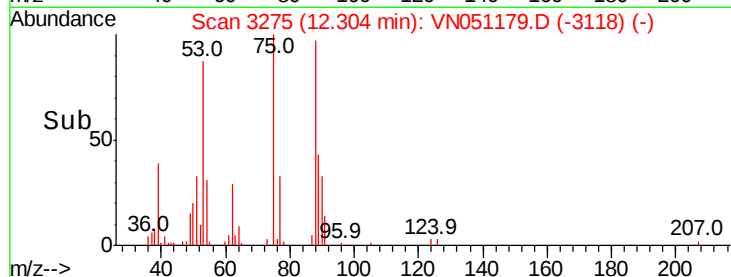
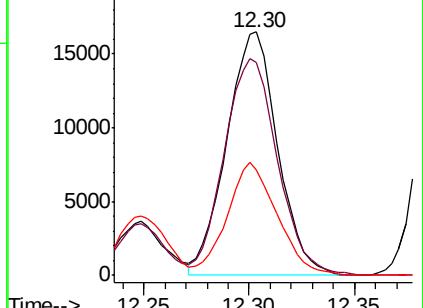
89 42.5 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.814 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051179.D

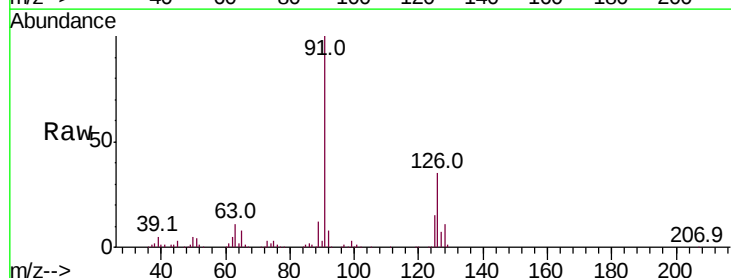
Acq: 14 Sep 2018 10:42

Tgt Ion: 91 Resp: 348417

Ion Ratio Lower Upper

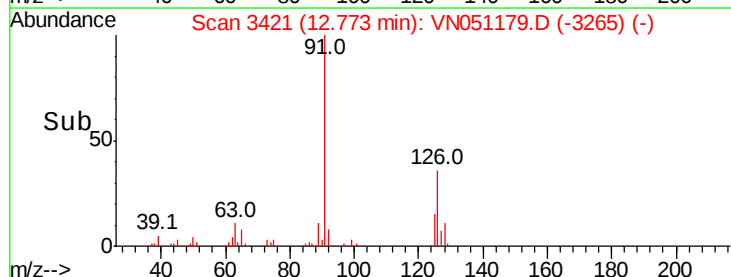
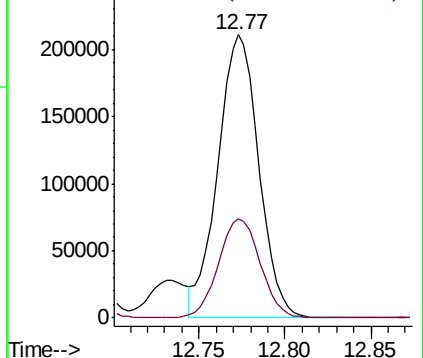
91 100

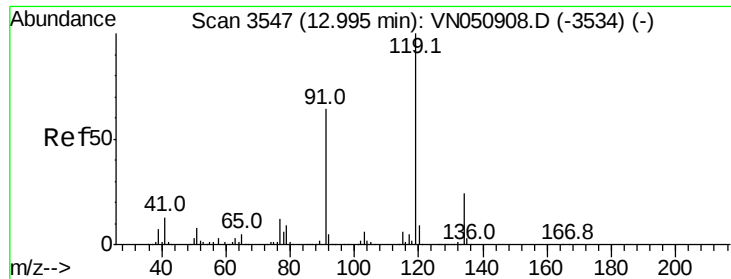
126 35.8 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.800 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

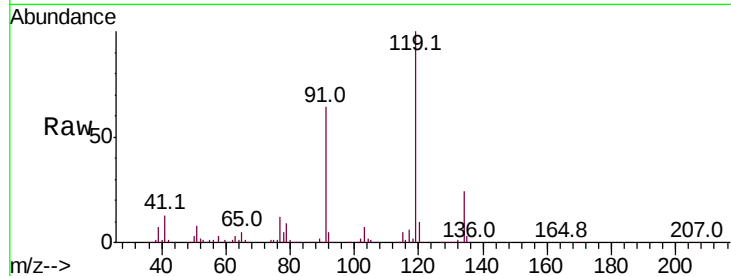
Tot Ion:119 Resp: 384785

Ion Ratio Lower Upper

119 100

91 62.4 0.0 125.6

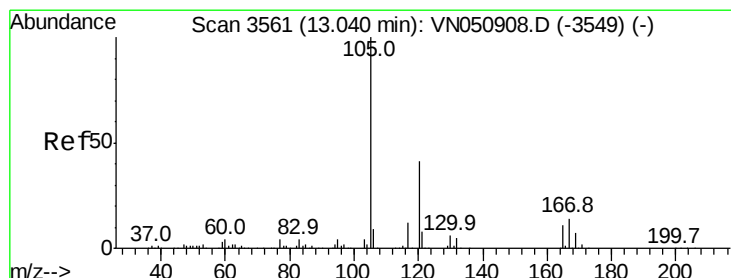
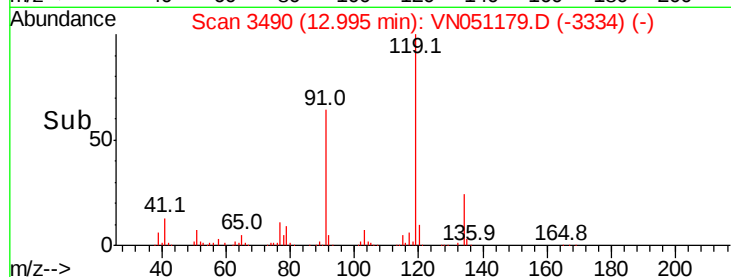
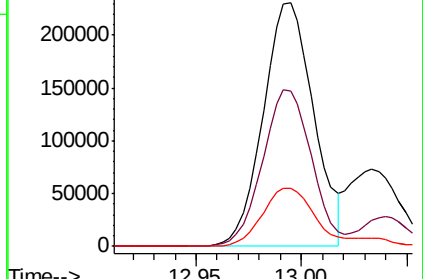
134 24.8 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.805 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051179.D

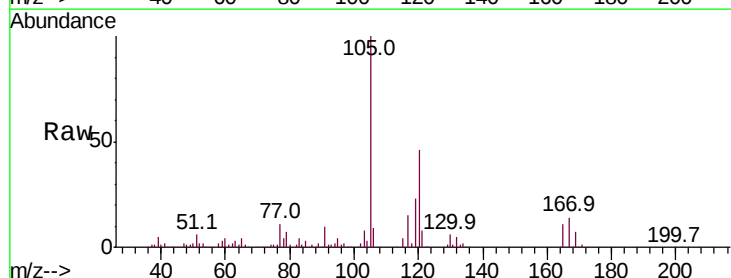
Acq: 14 Sep 2018 10:42

Tgt Ion:105 Resp: 441853

Ion Ratio Lower Upper

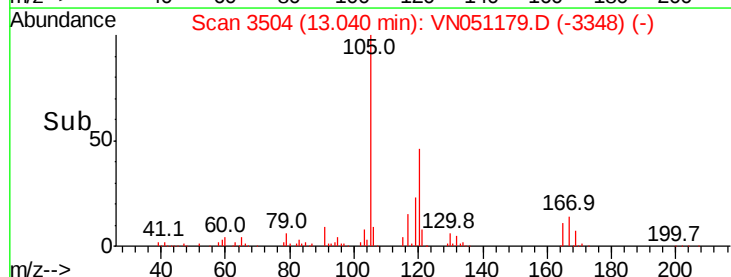
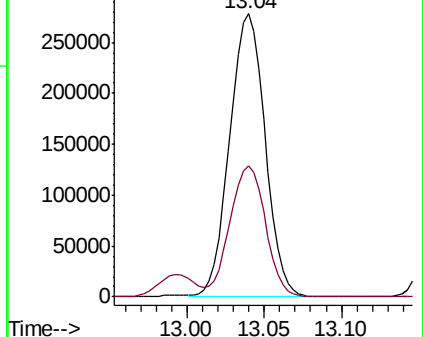
105 100

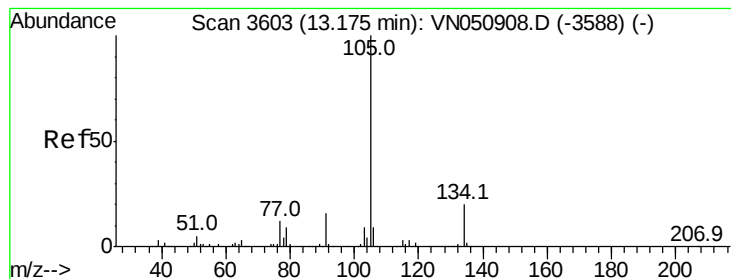
120 46.7 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.511 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

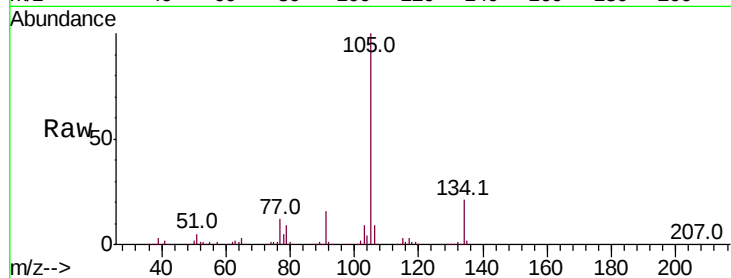
VN0914WBS01

Tot Ion:105 Resp: 496110

Ion Ratio Lower Upper

105 100

134 20.6 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

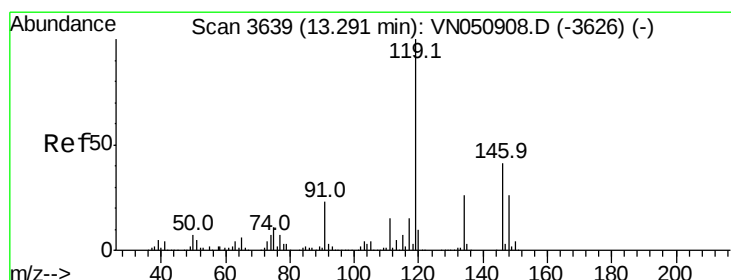
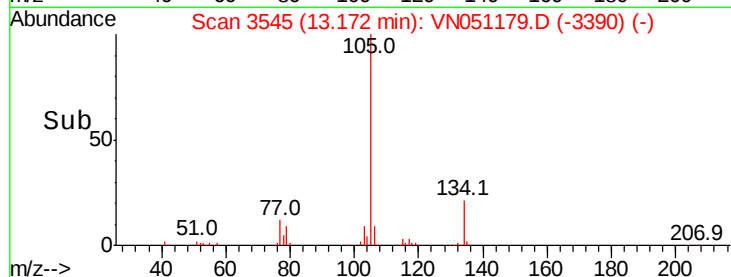
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 19.101 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

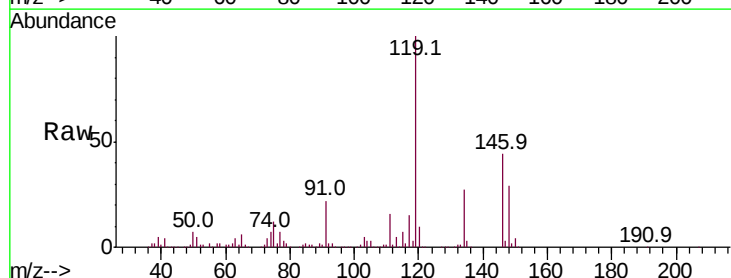
Tgt Ion:119 Resp: 419218

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.3 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

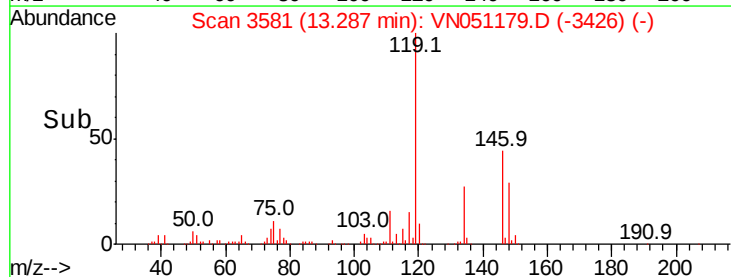
300000

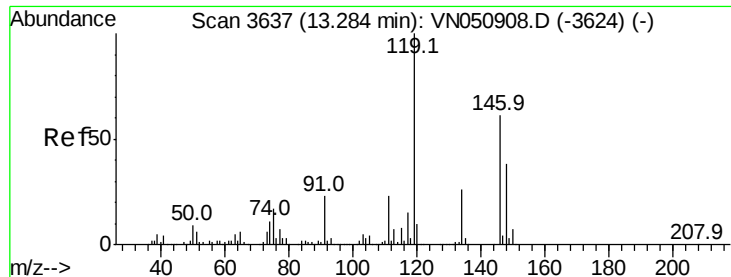
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

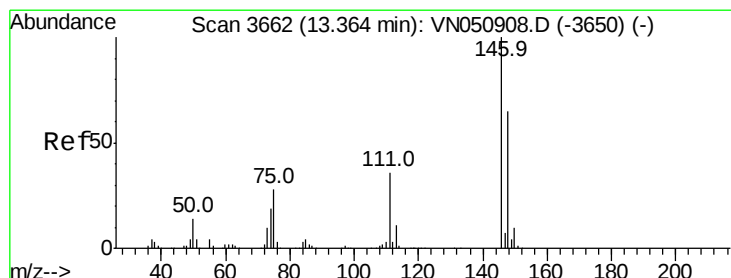
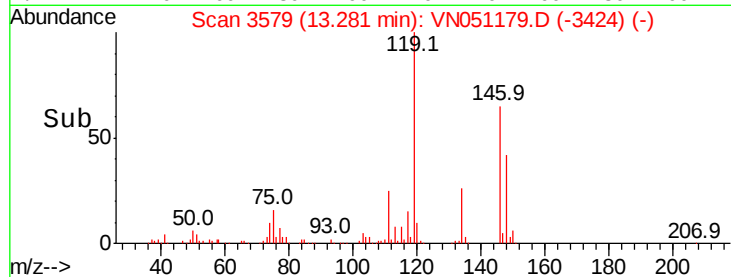
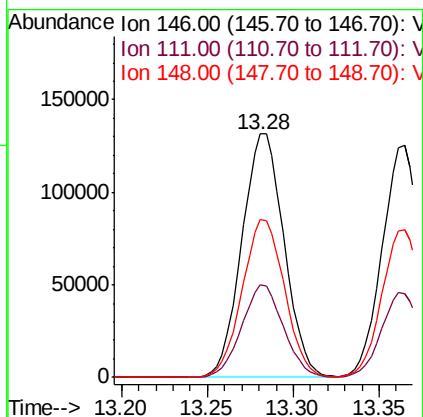
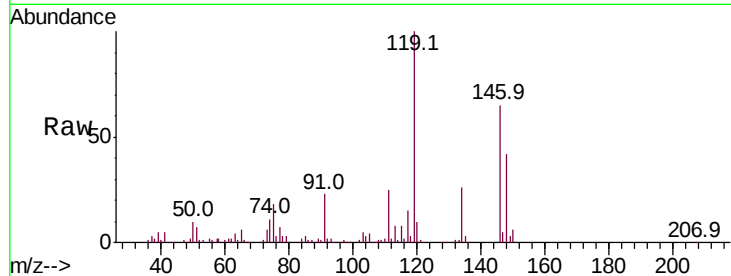




#83
 1,3-Dichlorobenzene
 Concen: 18.405 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

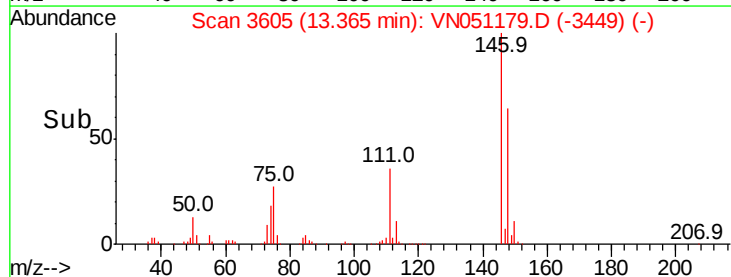
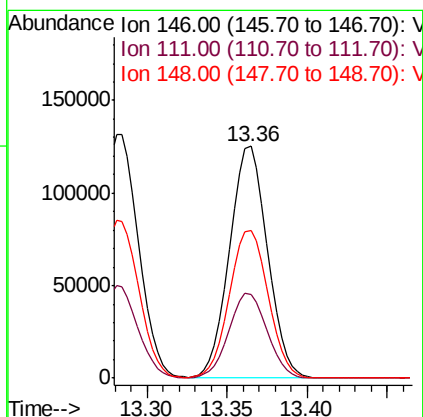
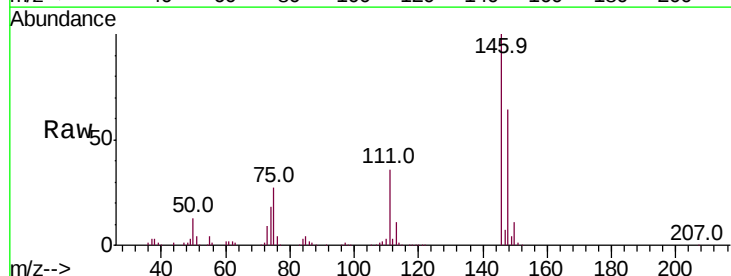
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS01

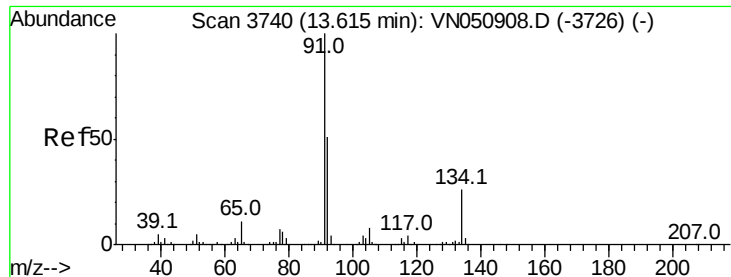
Tot Ion:146 Resp: 224178
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.6
 148 64.9 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 17.570 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051179.D
 Acq: 14 Sep 2018 10:42

Tgt Ion:146 Resp: 202778
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.7 53.1
 148 65.2 31.6 94.8





#85

n-Butylbenzene

Concen: 16.721 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

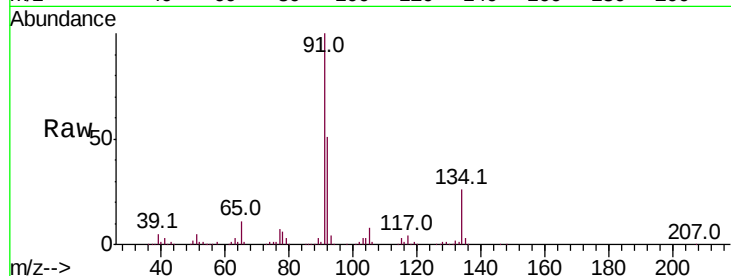
Tot Ion: 91 Resp: 280015

Ion Ratio Lower Upper

91 100

92 49.9 0.0 101.8

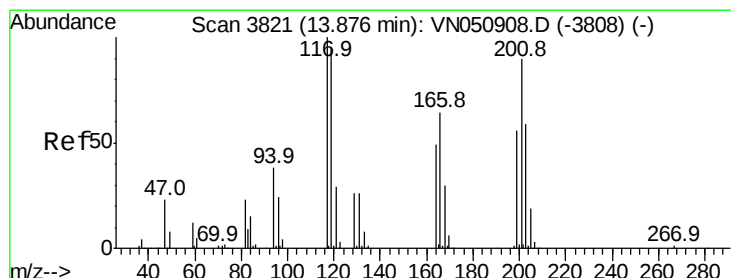
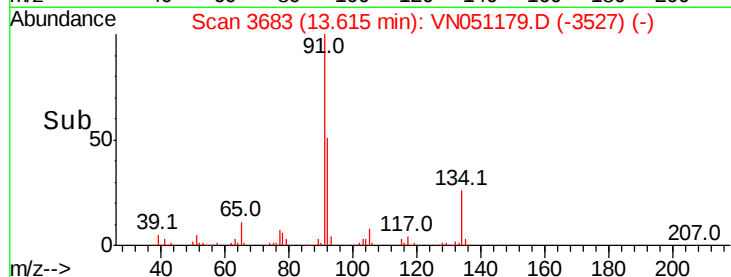
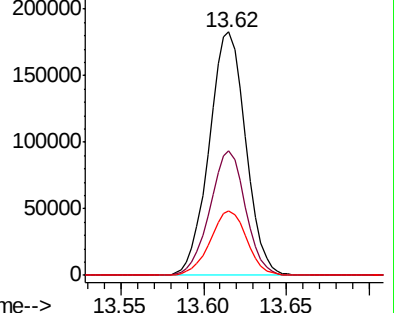
134 26.4 0.0 52.2



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

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

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



#86

Hexachloroethane

Concen: 19.405 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051179.D

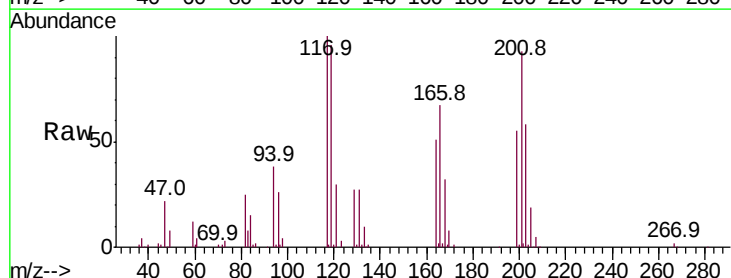
Acq: 14 Sep 2018 10:42

Tgt Ion: 117 Resp: 81747

Ion Ratio Lower Upper

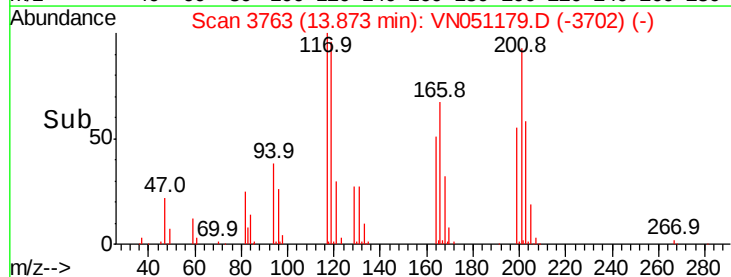
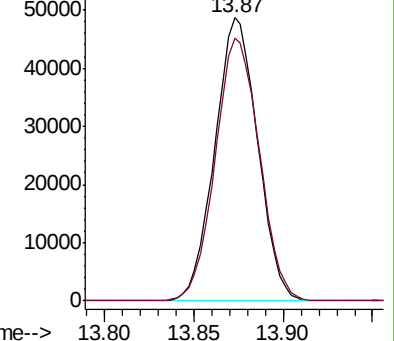
117 100

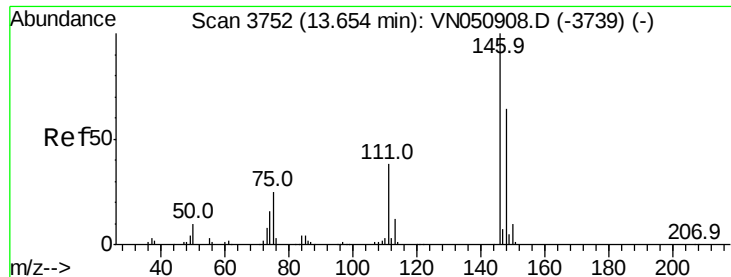
201 95.4 45.8 137.4



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

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





#87

1,2-Dichlorobenzene

Concen: 18.744 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

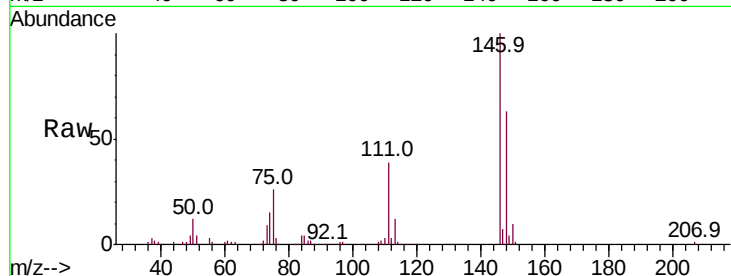
Tot Ion:146 Resp: 224725

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.1

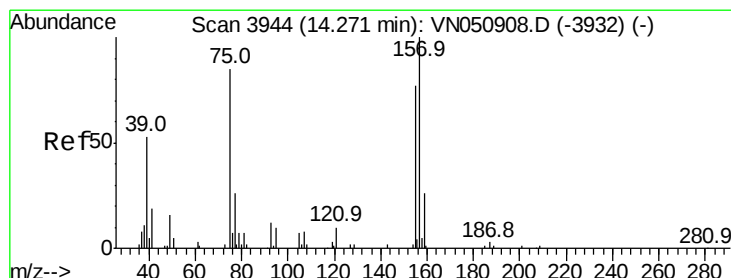
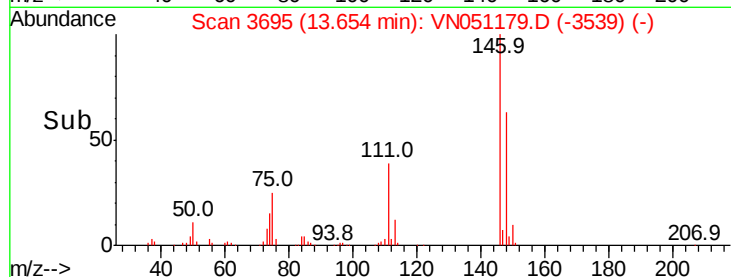
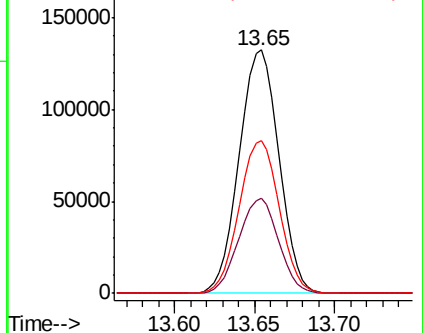
148 63.3 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 14.609 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

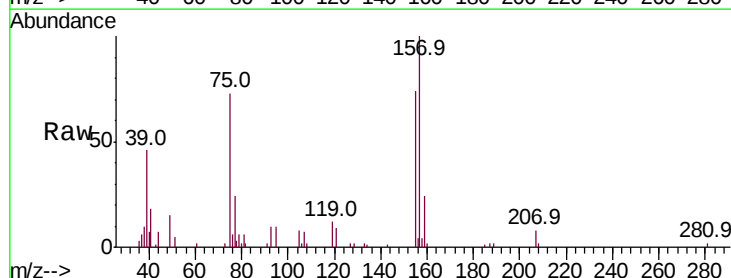
Tgt Ion: 75 Resp: 15153

Ion Ratio Lower Upper

75 100

155 99.2 71.8 107.6

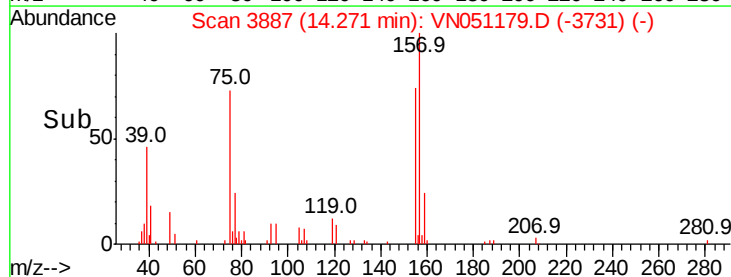
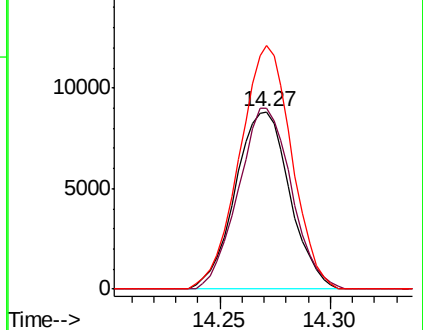
157 131.3 91.1 136.7

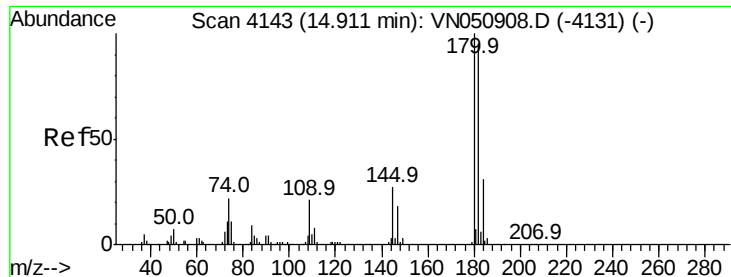


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 12.595 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS01

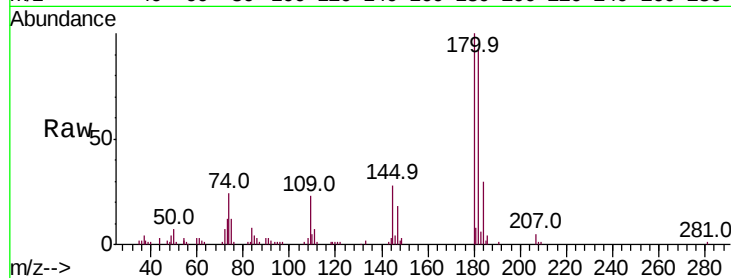
Tot Ion:180 Resp: 67227

Ion Ratio Lower Upper

180 100

182 93.0 76.2 114.4

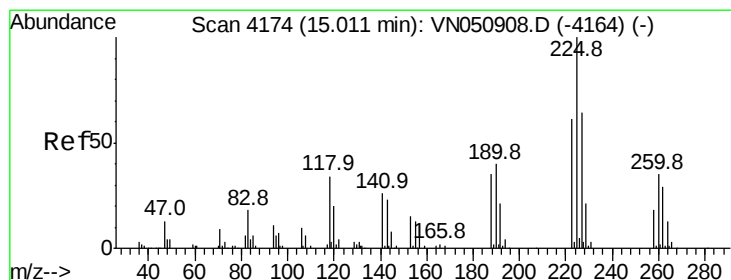
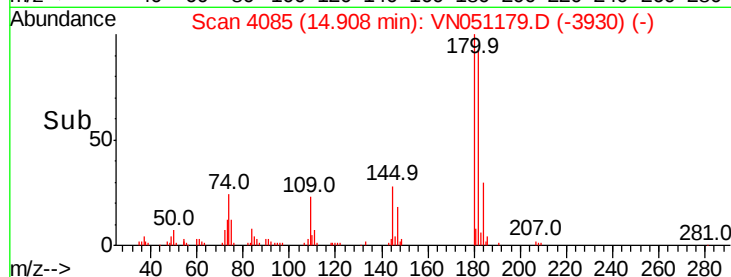
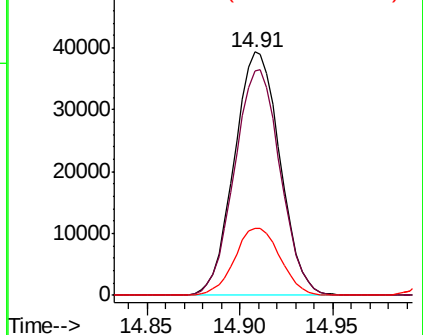
145 27.5 22.2 33.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 20.258 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

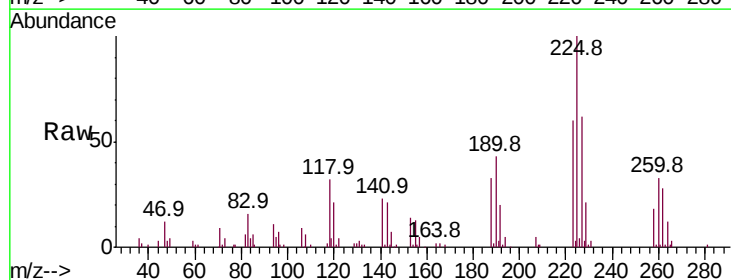
Tgt Ion:225 Resp: 73464

Ion Ratio Lower Upper

225 100

223 61.4 0.0 127.8

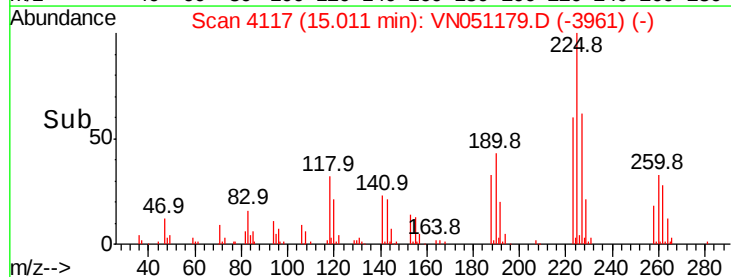
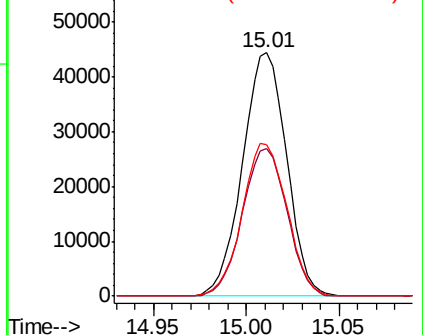
227 63.5 0.0 128.4

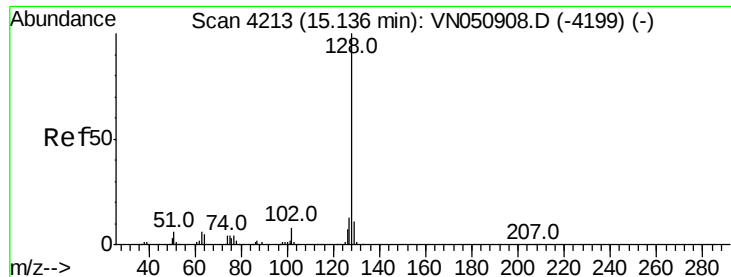


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.593 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS01

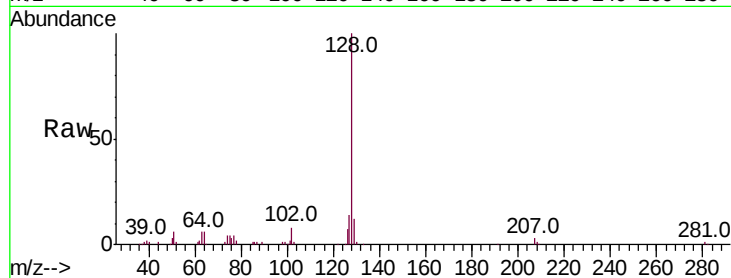
Tot Ion:128 Resp: 117050

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

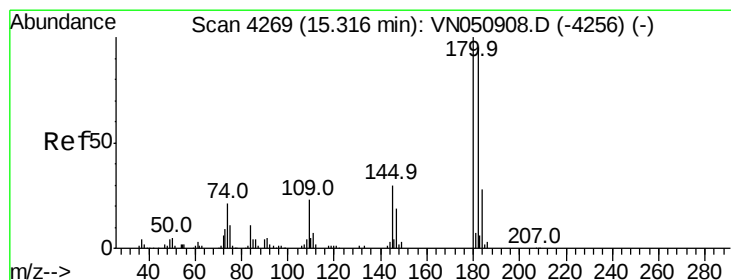
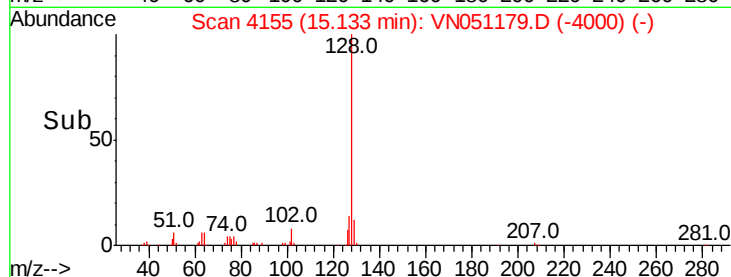
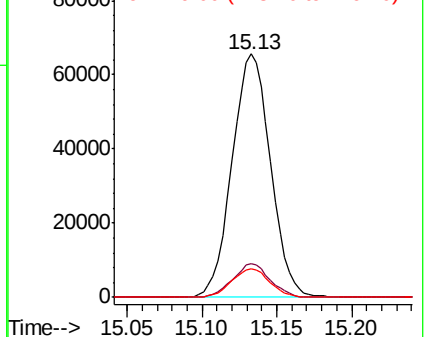
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.765 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051179.D

Acq: 14 Sep 2018 10:42

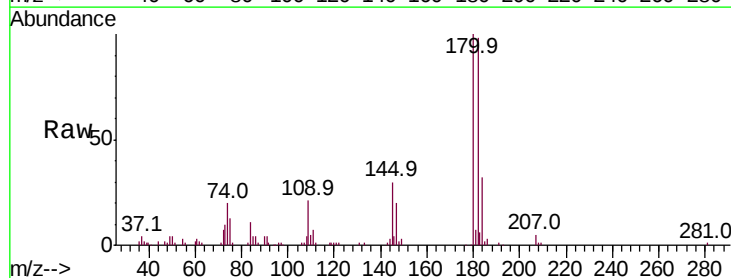
Tgt Ion:180 Resp: 73723

Ion Ratio Lower Upper

180 100

182 96.8 0.0 192.8

145 28.8 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

