

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052747.D
 Acq On : 10 Dec 2018 12:30
 Operator : MD\SY
 Sample : VN1210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Quant Time: Dec 11 00:48:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	941415	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	828263	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325602	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	12.40	95	384610	30.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.23%
63) Toluene-d8	10.09	98	1122903	29.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	168902	18.377	ug/l 100
3) Chloromethane	2.06	50	222050	18.217	ug/l 100
4) Vinyl Chloride	2.19	62	232846	18.927	ug/l 96
5) Bromomethane	2.58	94	127631	18.195	ug/l 98
6) Chloroethane	2.71	64	144558	19.759	ug/l 99
7) Trichlorofluoromethane	3.03	101	300321	19.780	ug/l 98
8) Diethyl Ether	3.41	74	116953	20.861	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186956	19.424	ug/l 97
10) 1,1-Dichloroethene	3.74	96	182297	20.144	ug/l 97
11) Methyl Iodide	3.96	142	208949	16.630	ug/l 99
12) Methyl Acetate	4.33	43	162306	21.108	ug/l 97
13) Acrolein	3.61	56	24577	27.210	ug/l 92
14) Acrylonitrile	4.99	53	340736	104.002	ug/l 98
15) Acetone	3.82	58	82902	97.707	ug/l 99
16) Carbon Disulfide	4.06	76	519893	18.145	ug/l 100
17) Allyl chloride	4.33	41	285723	18.104	ug/l 99
18) Methylene Chloride	4.55	84	211256	20.161	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	197165	20.245	ug/l 94
20) Diisopropyl ether	5.95	45	665812	20.075	ug/l 98
21) 1,1-Dichloroethane	5.85	63	377452	19.967	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	231233	20.717	ug/l 98
23) tert-Butyl Alcohol	4.86	59	248	0.509	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	509411	21.457	ug/l 99
25) Chloroform	7.37	83	374457	20.533	ug/l 99
26) Cyclohexane	7.66	56	333246	18.691	ug/l 98
29) 1,1-Dichloropropene	7.79	75	282474	19.649	ug/l 99
30) 2-Butanone	6.84	43	392434	102.013	ug/l 99
31) 2,2-Dichloropropane	6.83	77	276871	20.919	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	305405	20.416	ug/l 98
33) Carbon Tetrachloride	7.78	117	265503	20.285	ug/l 98
34) Benzene	8.04	78	861993	19.943	ug/l 98
35) Methacrylonitrile	7.18	41	107819	22.590	ug/l 98
36) 1,2-Dichloroethane	8.12	62	262642	20.052	ug/l 99
37) Trichloroethene	8.84	130	233434	21.298	ug/l 96
38) Methylcyclohexane	9.08	83	335990	18.879	ug/l 98
39) 1,2-Dichloropropane	9.12	63	230831	19.923	ug/l 99
40) Dibromomethane	9.21	93	132271	21.126	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	281984	20.385	ug/l	98
42) Vinyl Acetate	5.90	43	1970312	94.663	ug/l	99
43) Ethyl Acetate	6.93	43	173628	21.226	ug/l #	70
44) Isopropyl Acetate	8.16	43	318076	22.172	ug/l	100
45) 1,4-Dioxane	9.20	88	33762	430.185	ug/l	95
46) Methyl methacrylate	9.20	41	157771	21.181	ug/l	99
47) n-amyl Acetate	12.07	43	267677	22.504	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	273250	20.372	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	326919	20.006	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	189830	21.389	ug/l	98
51) Ethyl methacrylate	10.43	69	242001	21.711	ug/l	94
52) 1,3-Dichloropropane	10.71	76	324306	20.529	ug/l	100
53) Dibromochloromethane	10.90	129	206155	21.098	ug/l	99
54) 1,2-Dibromoethane	11.01	107	183544	21.164	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	674764	103.416	ug/l	99
56) Bromoform	12.13	173	133648	20.926	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	866119	107.863	ug/l	99
59) 2-Hexanone	10.75	43	588328	107.256	ug/l	97
61) Tetrachloroethene	10.63	164	247289	24.241	ug/l	97
62) Toluene	10.16	91	920950	20.170	ug/l	100
64) Chlorobenzene	11.43	112	573241	20.569	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	200588	20.735	ug/l	99
66) Ethyl Benzene	11.51	91	994954	20.218	ug/l	99
67) m/p-Xylenes	11.62	106	755900	41.230	ug/l	98
68) o-Xylene	11.95	106	368184	20.691	ug/l	99
69) Styrene	11.96	104	595788	20.743	ug/l	100
70) Isopropylbenzene	12.25	105	972594	20.542	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	214170	20.795	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	279185	31.578	ug/l	45
73) Bromobenzene	12.53	156	246321	21.511	ug/l	95
74) n-propylbenzene	12.59	91	1118368	20.273	ug/l	99
75) 2-Chlorotoluene	12.68	91	657256	20.526	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	796865	20.838	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	58545	20.962	ug/l	97
78) 4-Chlorotoluene	12.77	91	664227	20.773	ug/l	100
79) tert-butylbenzene	12.99	119	703745	21.131	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	806602	21.079	ug/l	100
81) sec-Butylbenzene	13.17	105	955105	20.589	ug/l	100
82) p-Isopropyltoluene	13.29	119	816169	20.662	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	437244	21.711	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	421448	21.659	ug/l	98
85) n-Butylbenzene	13.62	91	681349	20.081	ug/l	99
86) Hexachloroethane	13.88	117	132600	19.812	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	426484	22.253	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33474	23.203	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	232926	24.669	ug/l	99
90) Hexachlorobutadiene	15.01	225	131162	21.176	ug/l	99
91) Naphthalene	15.13	128	504990	26.484	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	215720	24.791	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

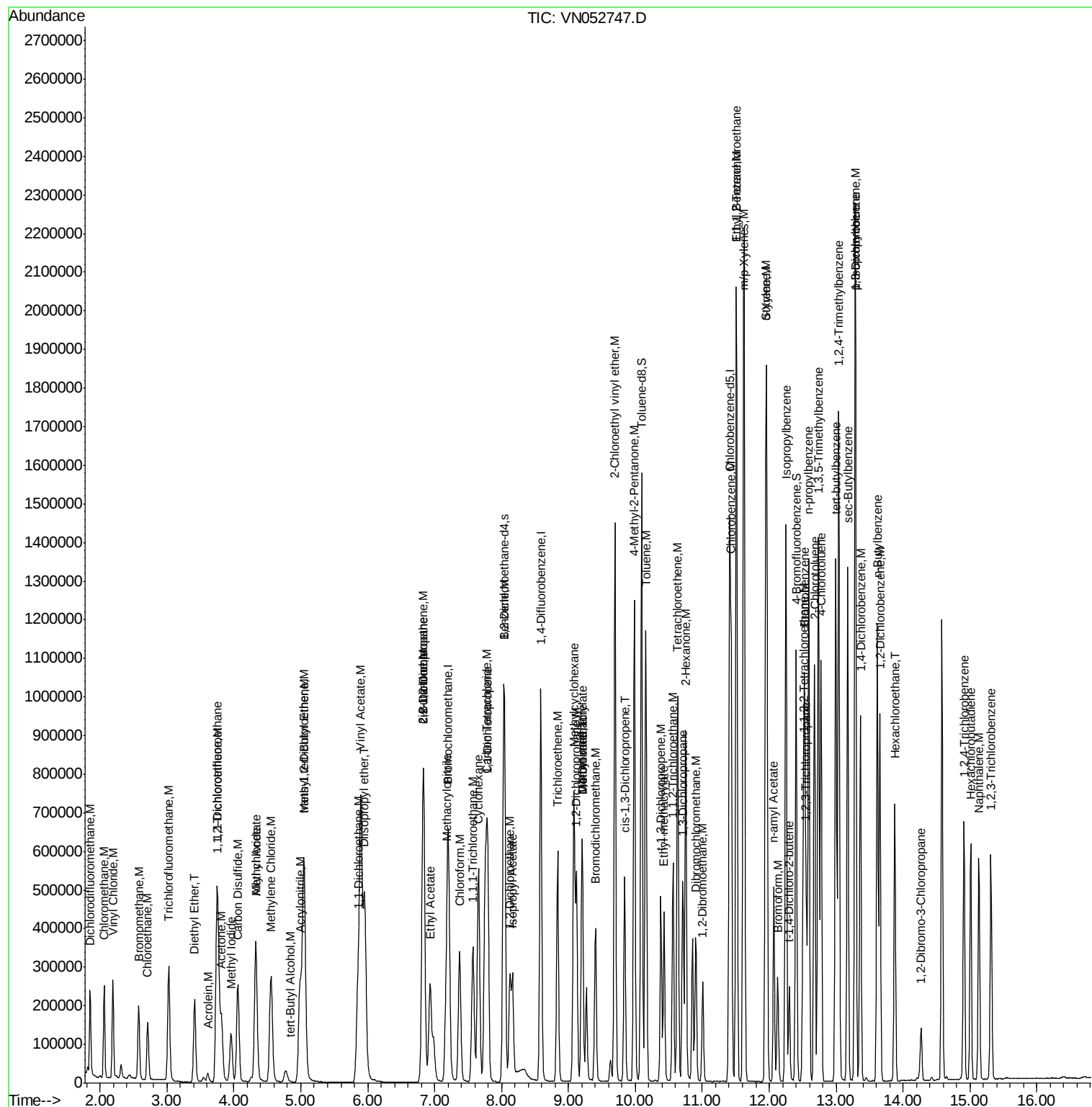
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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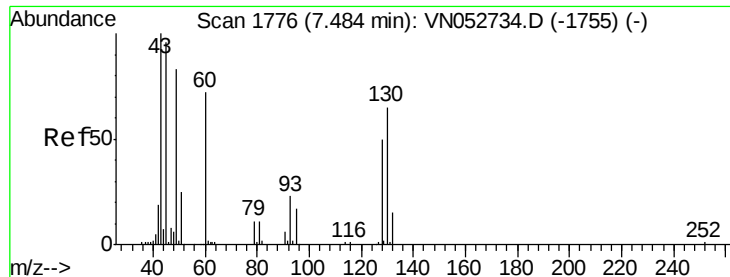
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052747.D
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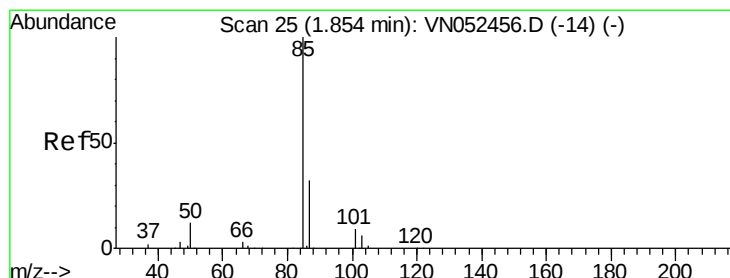
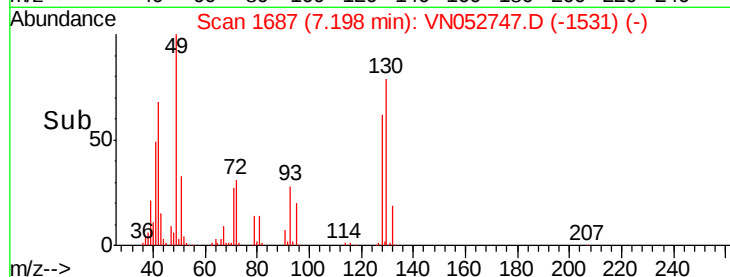
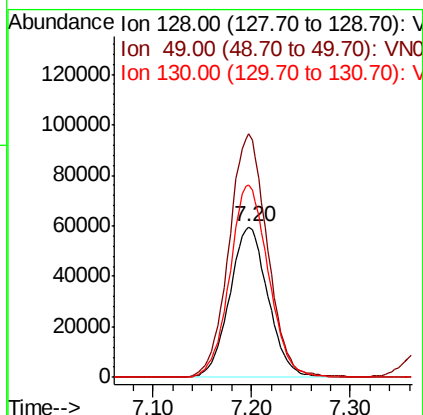
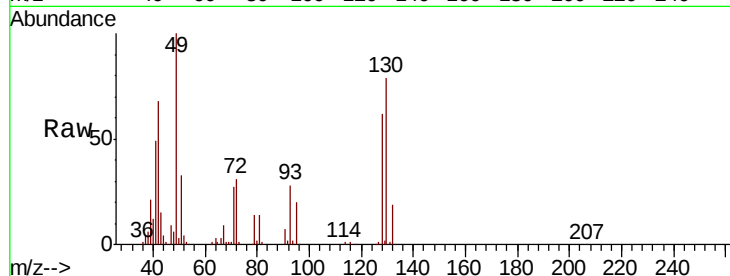




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

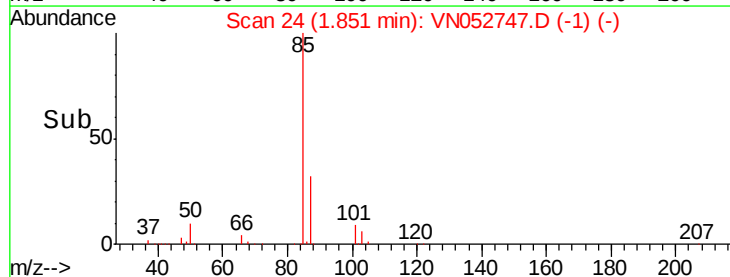
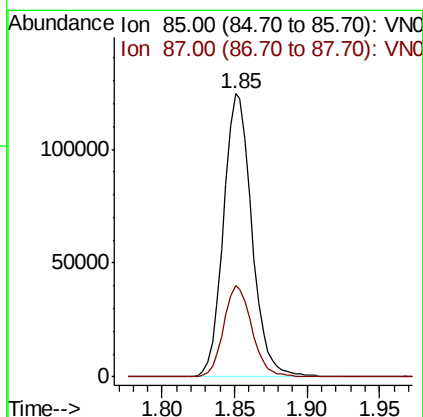
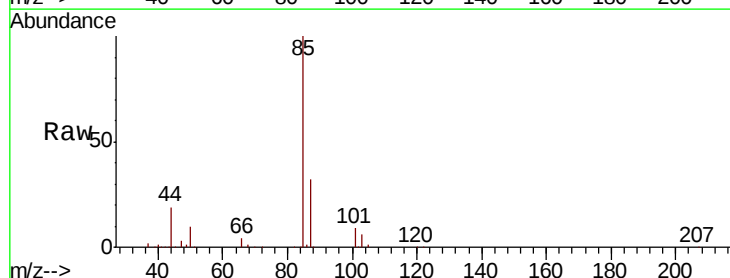
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

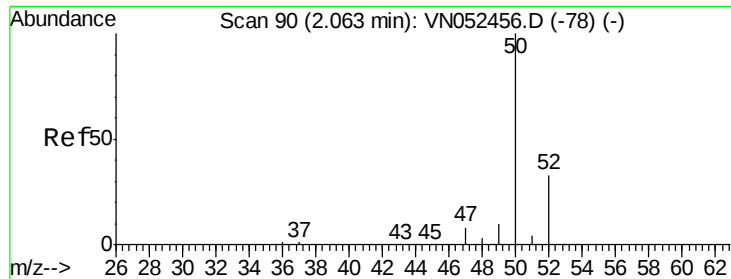
Tot Ion:128 Resp: 161378
 Ion Ratio Lower Upper
 128 100
 49 161.4 0.0 431.8
 130 128.7 0.0 317.0



#2
 Dichlorodifluoromethane
 Concen: 18.377 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 85 Resp: 168902
 Ion Ratio Lower Upper
 85 100
 87 32.2 16.1 48.3

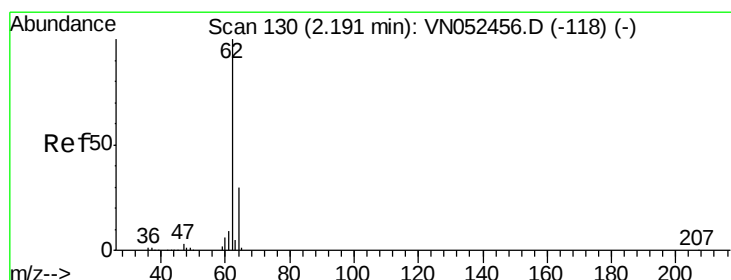
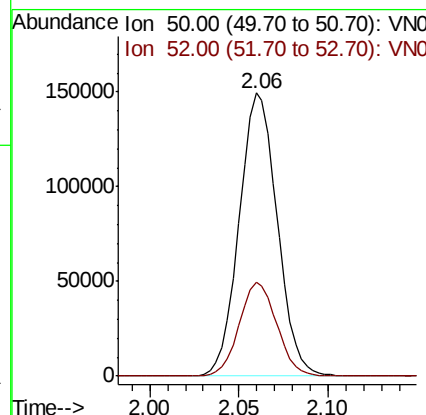
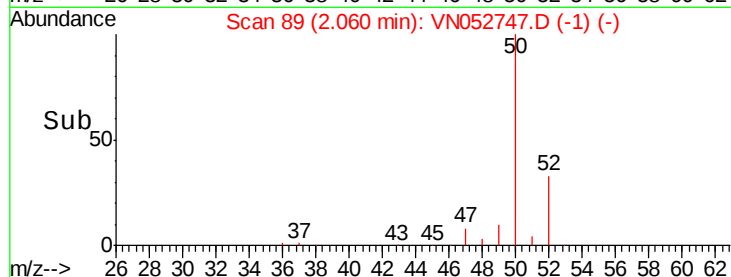
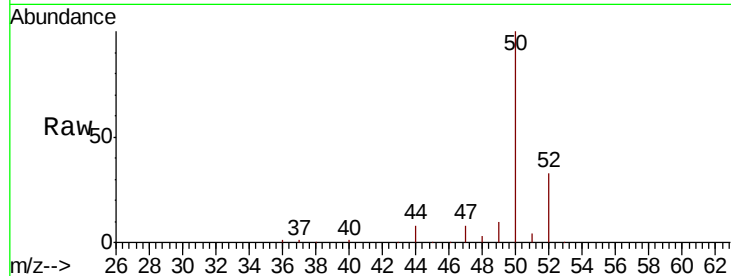




#3
 Chloromethane
 Concen: 18.217 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

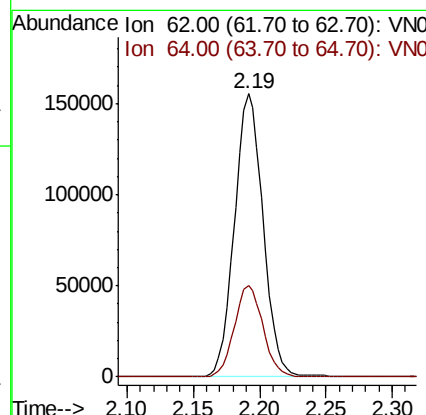
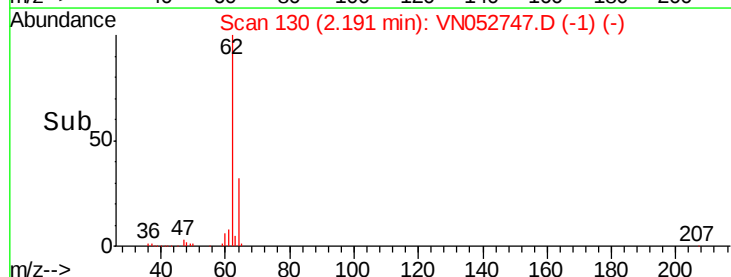
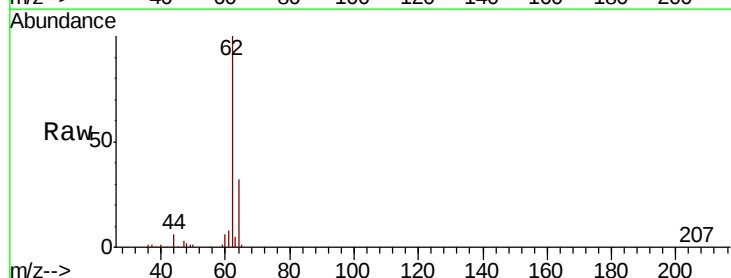
Instrument :
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 ClientSampleId :
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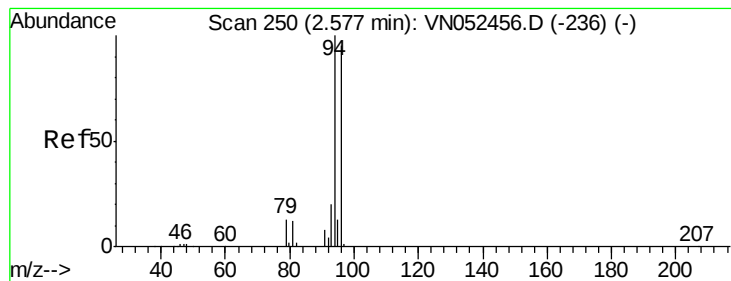
Tot Ion: 50 Resp: 222050
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.5 39.7



#4
 Vinyl Chloride
 Concen: 18.927 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 62 Resp: 232846
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.2 36.4





#5

Bromomethane

Concen: 18.195 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

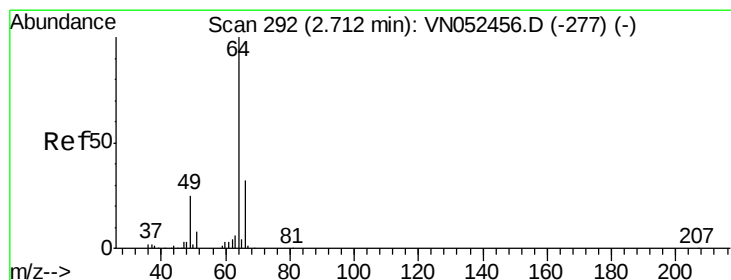
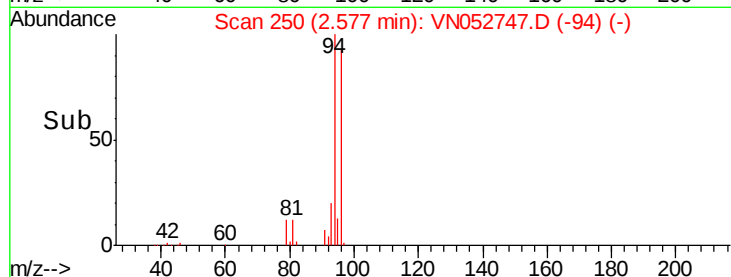
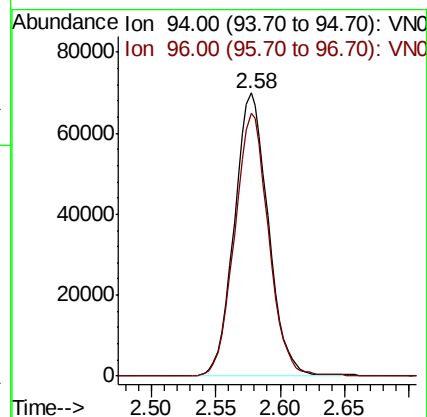
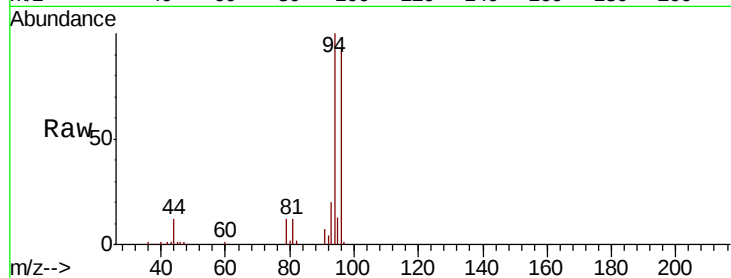
VN1210WBSD01

Tot Ion: 94 Resp: 127631

Ion Ratio Lower Upper

94 100

96 92.8 76.2 114.2



#6

Chloroethane

Concen: 19.759 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052747.D

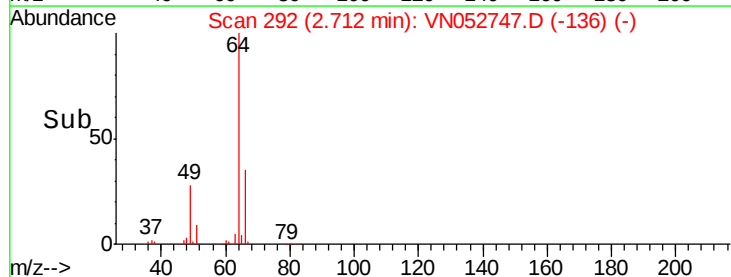
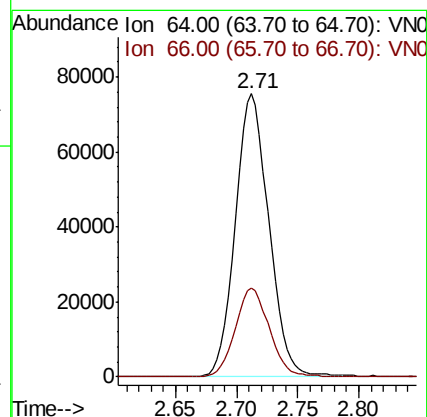
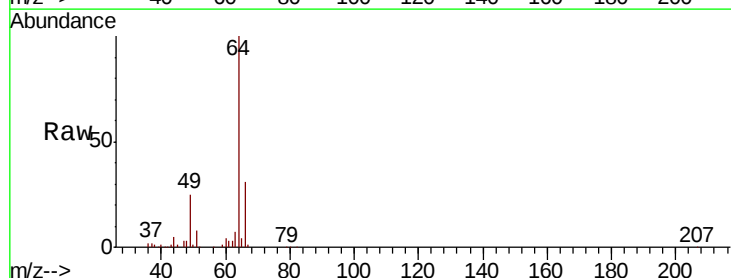
Acq: 10 Dec 2018 12:30

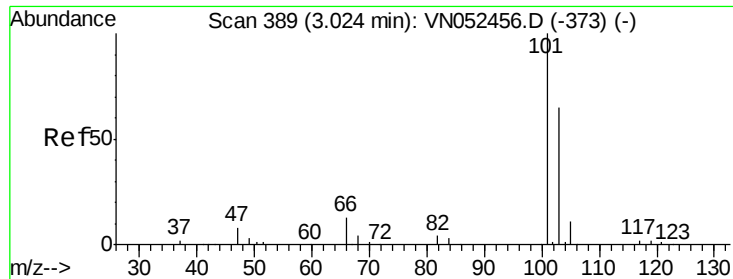
Tgt Ion: 64 Resp: 144558

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



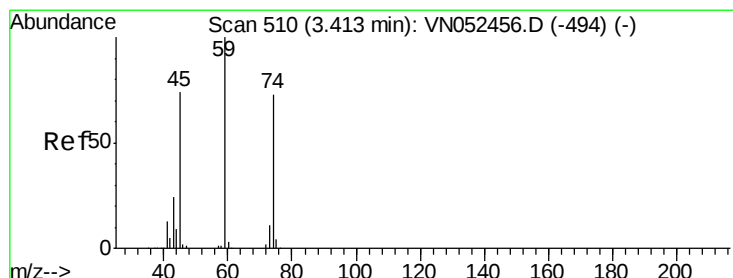
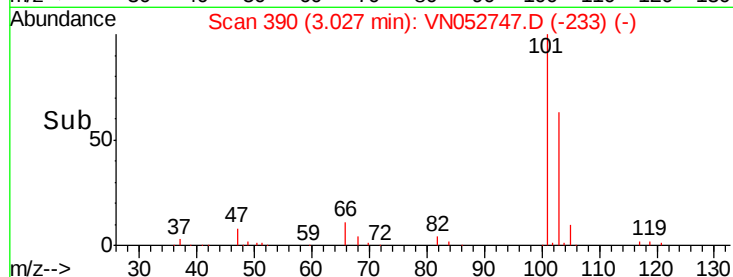
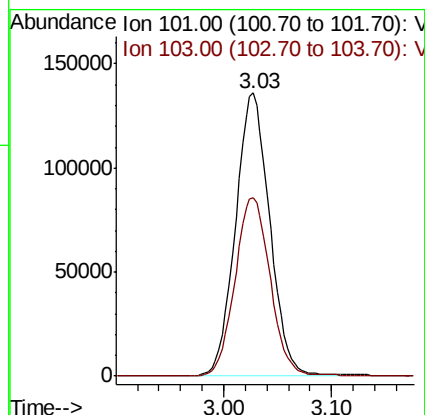
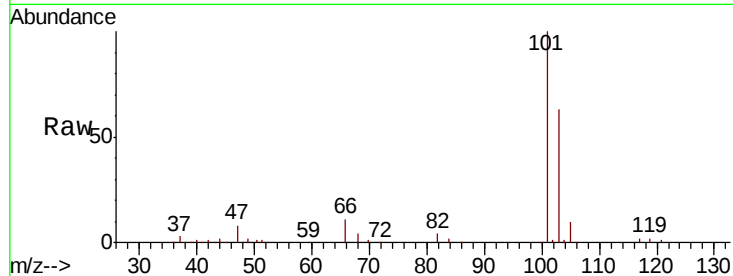


#7

Trichlorofluoromethane
Concen: 19.780 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

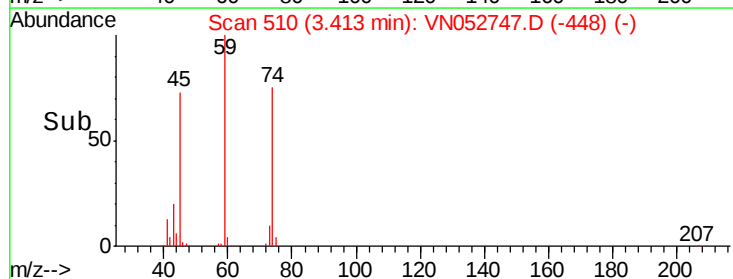
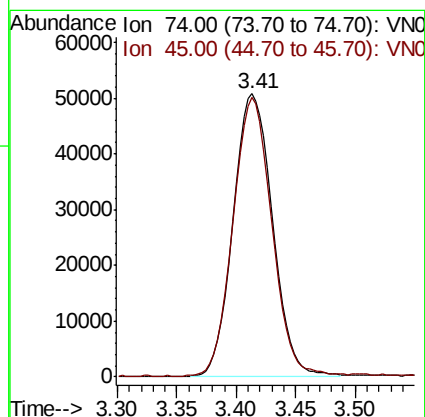
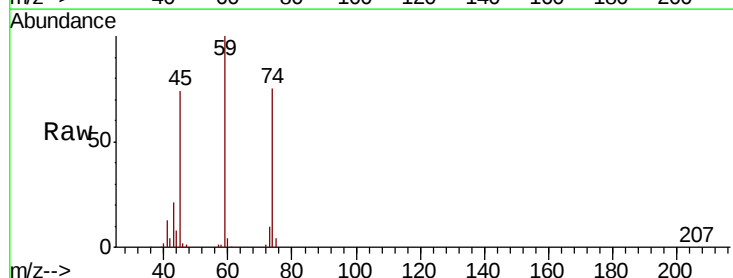
Tot Ion:101 Resp: 300321
Ion Ratio Lower Upper
101 100
103 63.1 52.1 78.1

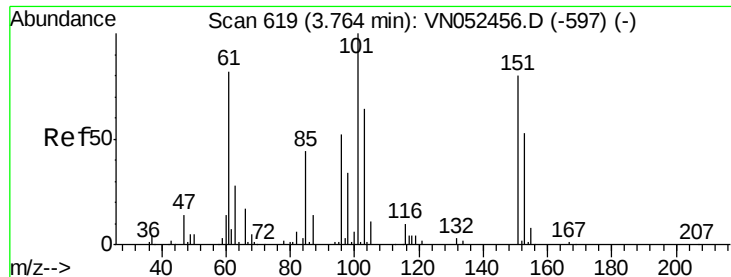


#8

Diethyl Ether
Concen: 20.861 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 74 Resp: 116953
Ion Ratio Lower Upper
74 100
45 97.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.424 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

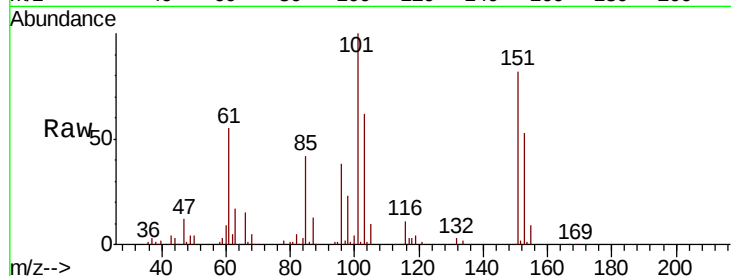
Tot Ion:101 Resp: 186956

Ion Ratio Lower Upper

101 100

85 41.9 0.0 82.6

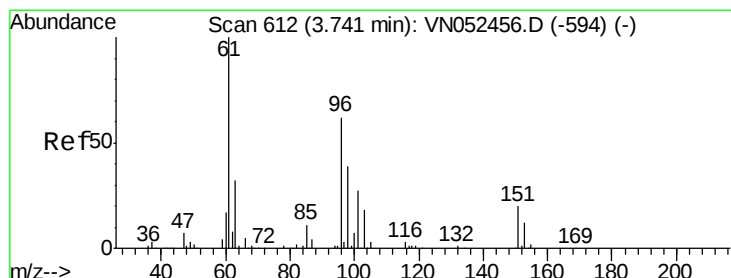
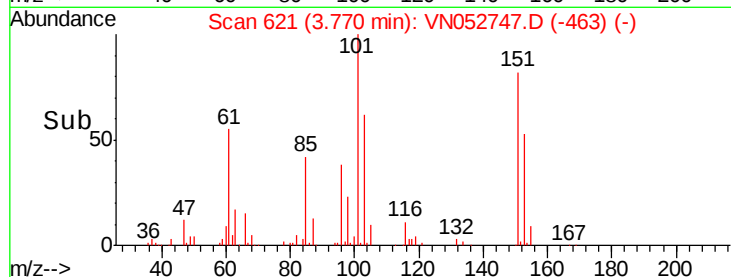
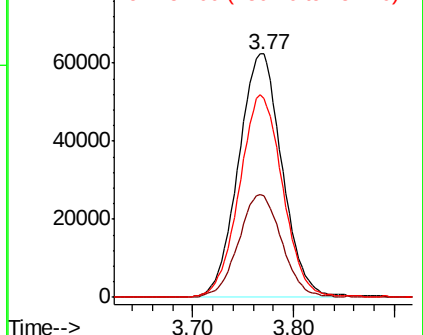
151 82.5 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.144 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

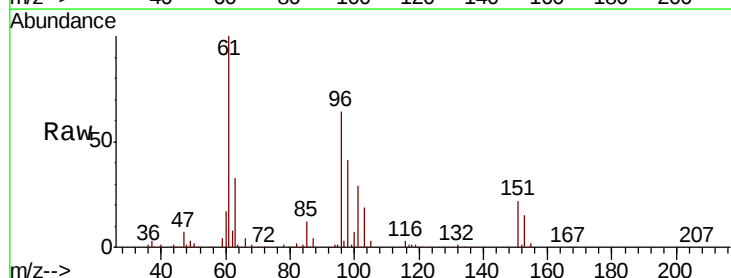
Tgt Ion: 96 Resp: 182297

Ion Ratio Lower Upper

96 100

61 156.4 129.4 194.2

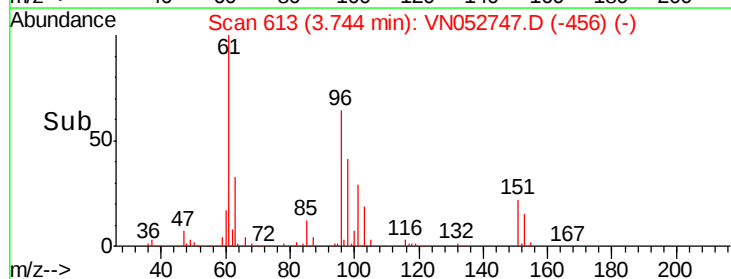
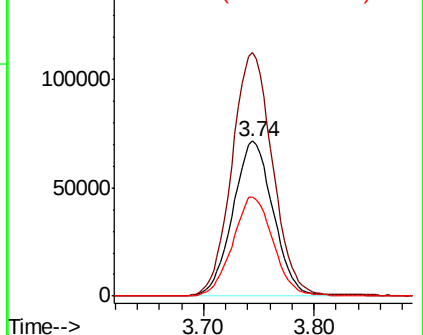
98 63.8 50.4 75.6

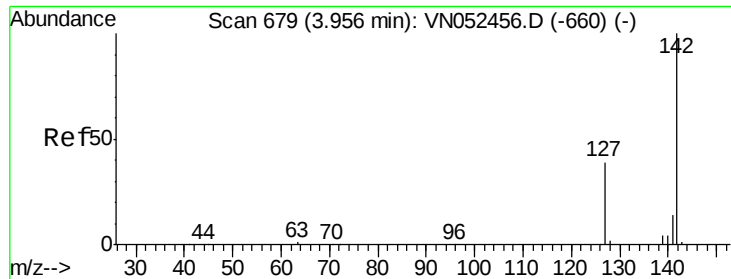


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

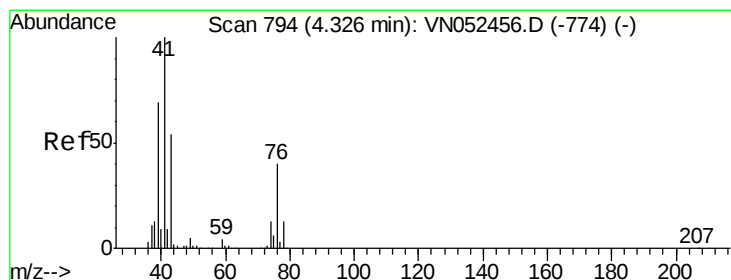
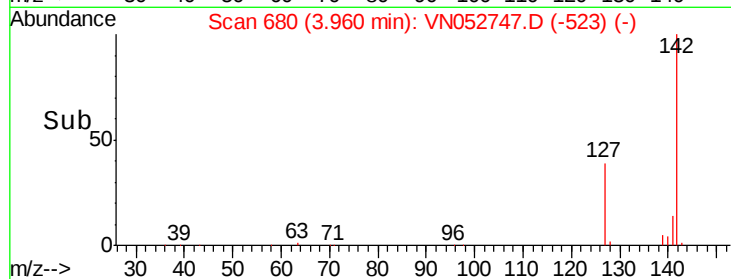
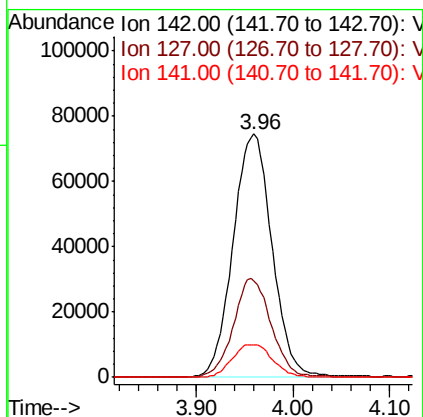
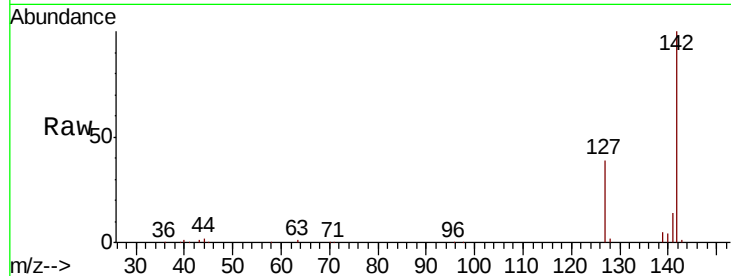




#11
Methvl Iodide
Concen: 16.630 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

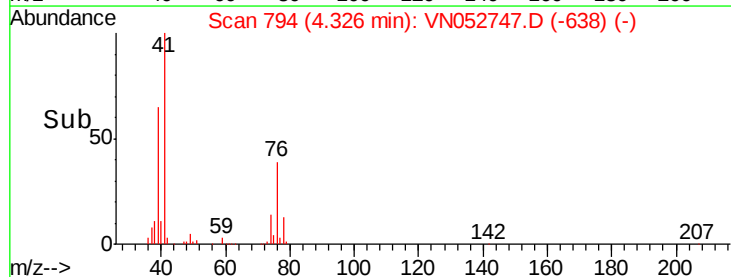
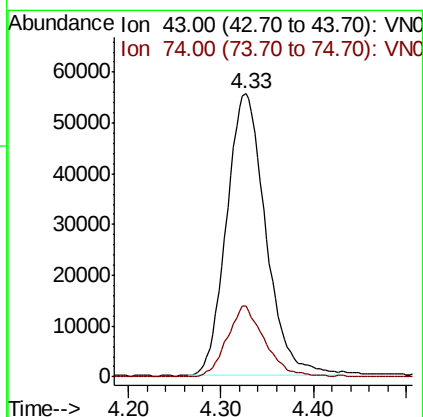
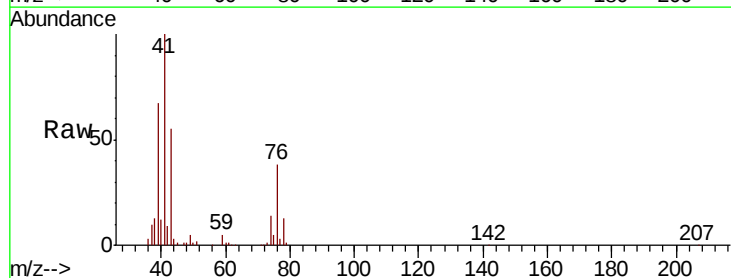
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

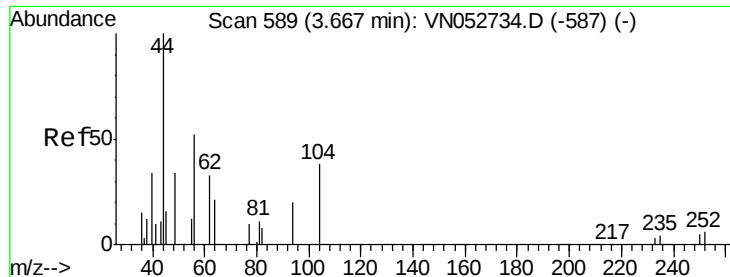
Tot Ion:142 Resp: 208949
Ion Ratio Lower Upper
142 100
127 39.4 19.4 58.1
141 13.6 7.2 21.6



#12
Methyl Acetate
Concen: 21.108 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 43 Resp: 162306
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3





#13

Acrolein

Concen: 27.210 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

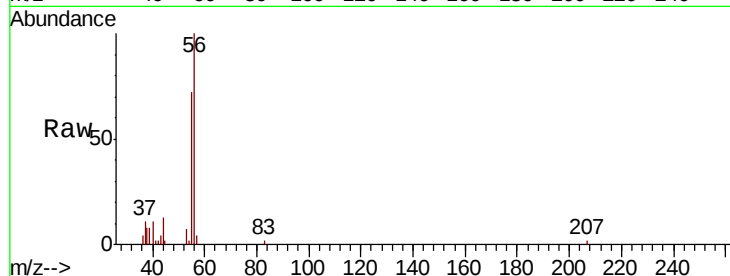
VN1210WBSD01

Tot Ion: 56 Resp: 24577

Ion Ratio Lower Upper

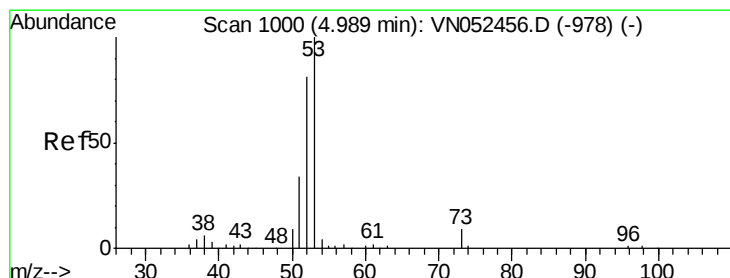
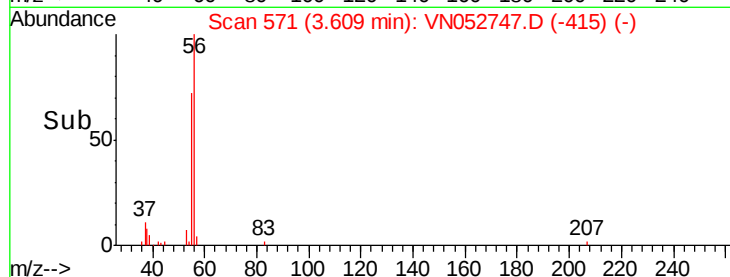
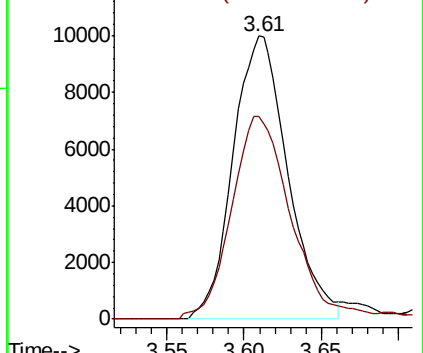
56 100

55 77.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.002 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

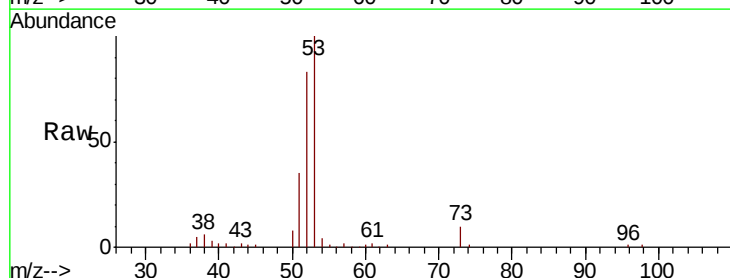
Tgt Ion: 53 Resp: 340736

Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

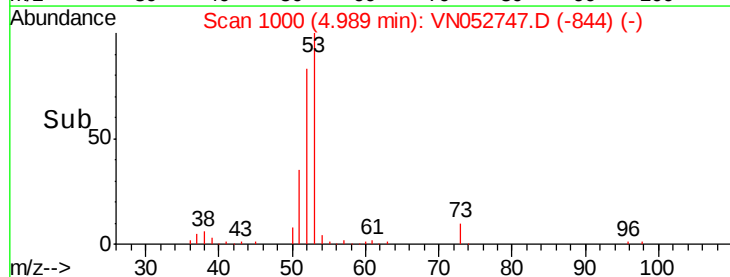
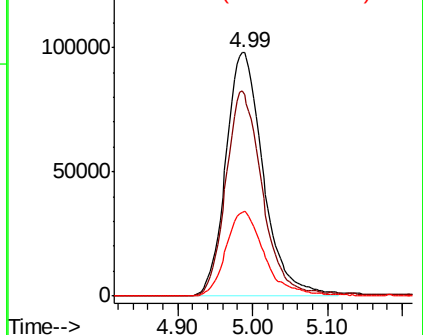
51 35.4 17.6 52.9

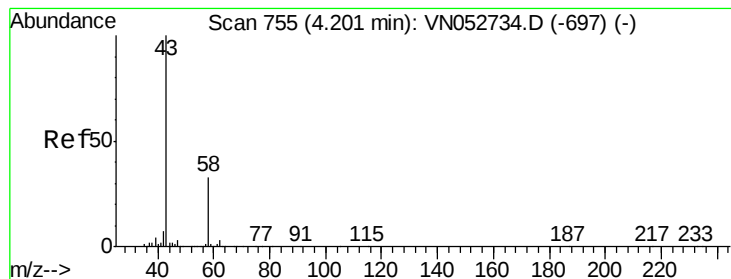


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 97.707 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

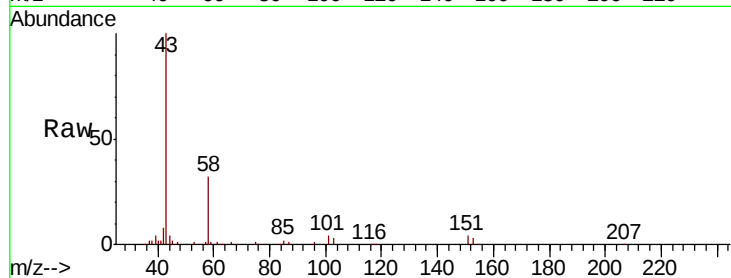
VN1210WBSD01

Tot Ion: 58 Resp: 82902

Ion Ratio Lower Upper

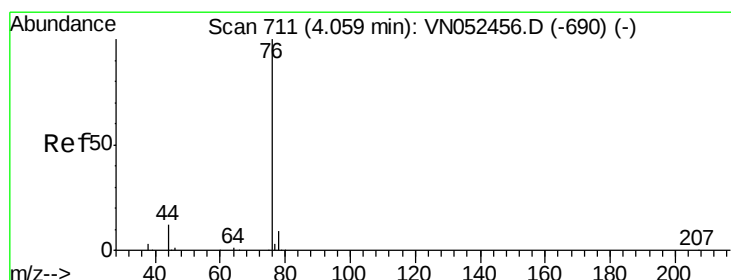
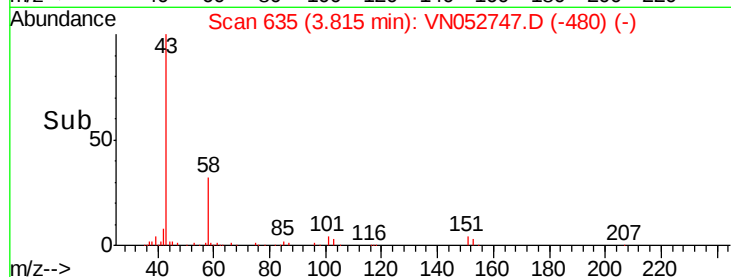
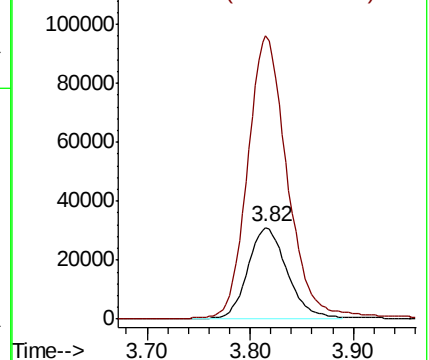
58 100

43 307.2 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.145 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052747.D

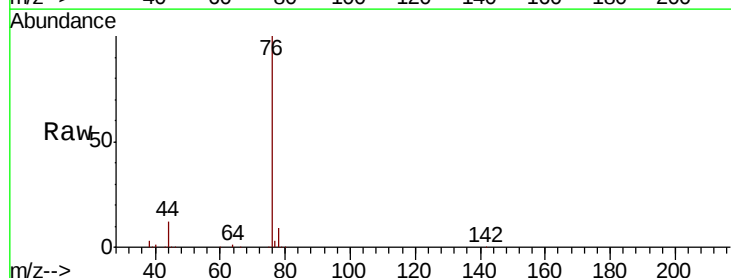
Acq: 10 Dec 2018 12:30

Tgt Ion: 76 Resp: 519893

Ion Ratio Lower Upper

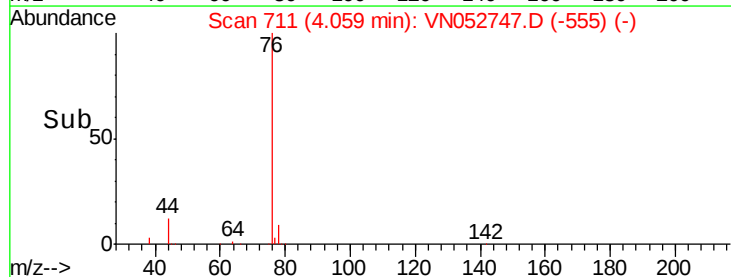
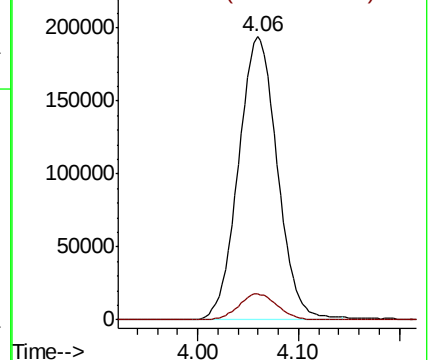
76 100

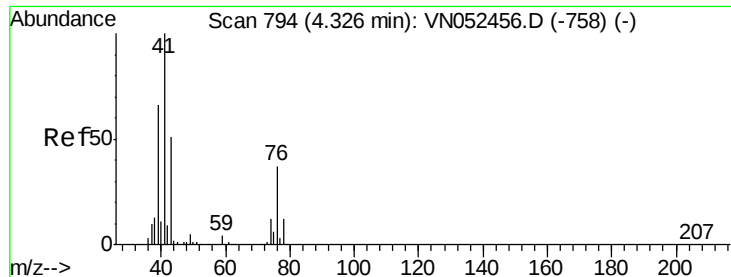
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

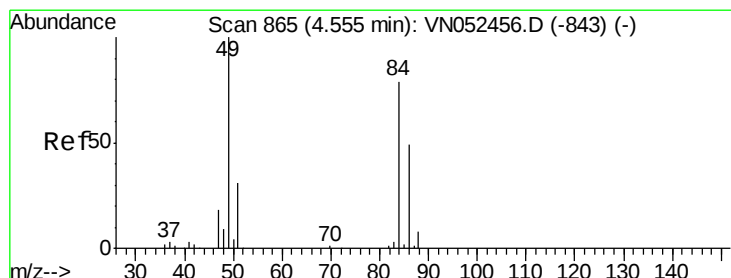
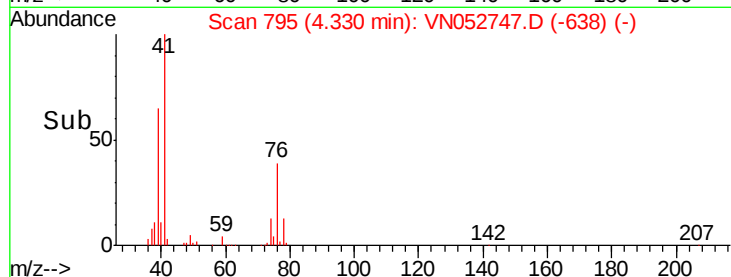
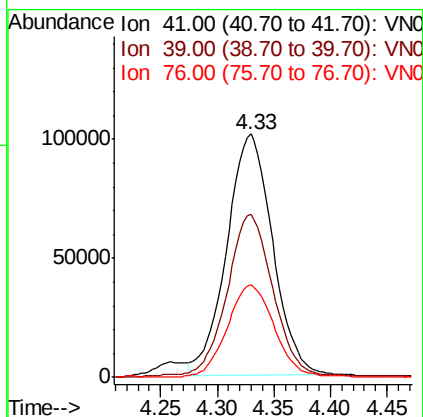
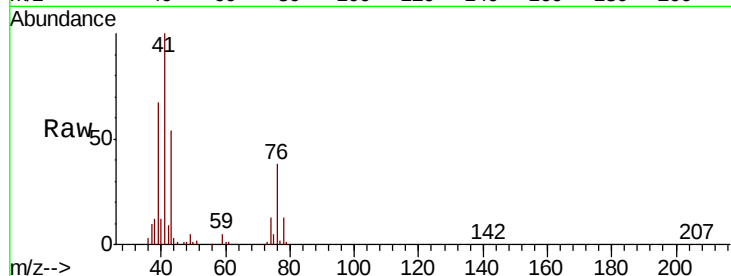




#17
Allvl chloride
Concen: 18.104 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

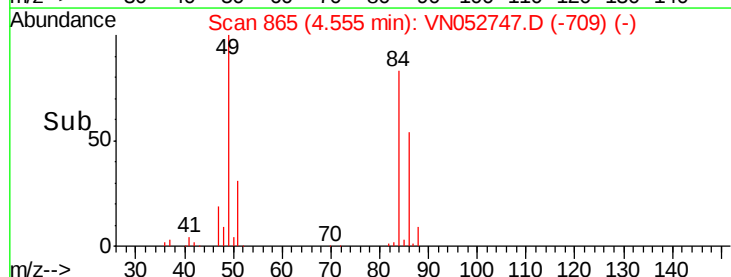
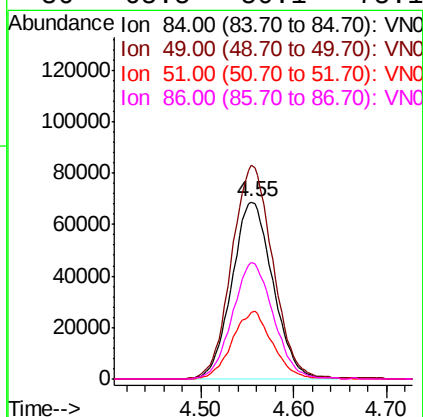
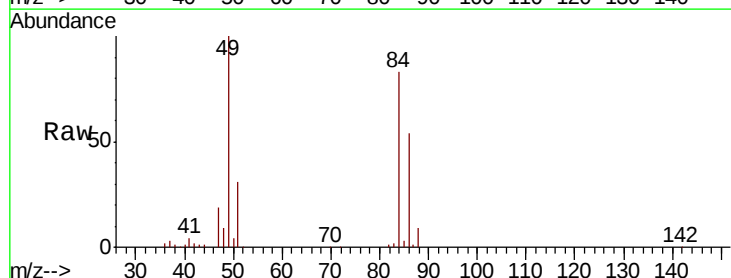
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

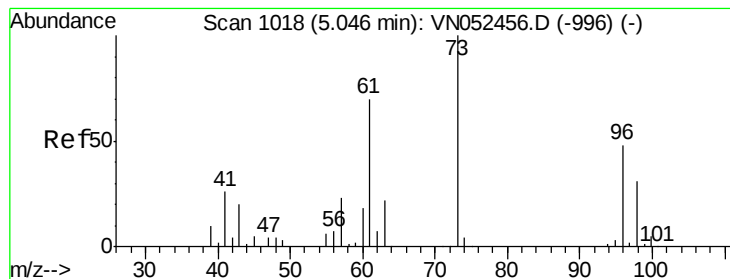
Tot Ion: 41 Resp: 285723
Ion Ratio Lower Upper
41 100
39 66.7 32.8 98.3
76 38.0 18.6 55.8



#18
Methylene Chloride
Concen: 20.161 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 84 Resp: 211256
Ion Ratio Lower Upper
84 100
49 120.1 101.4 152.0
51 37.4 31.7 47.5
86 65.5 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 20.245 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

VN1210WBSD01

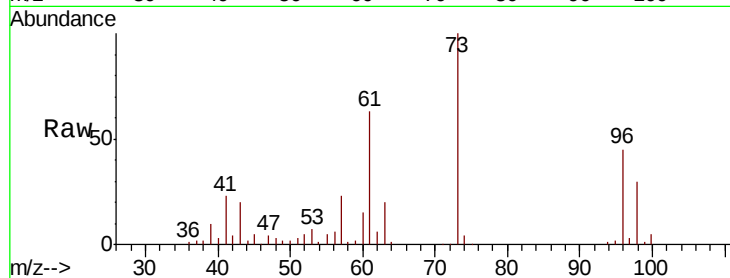
Tot Ion: 96 Resp: 197165

Ion Ratio Lower Upper

96 100

61 138.4 118.2 177.4

98 65.6 51.4 77.2

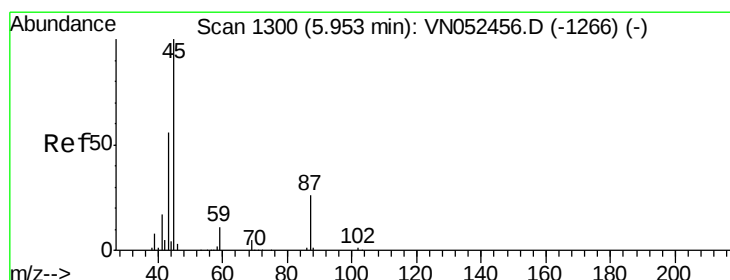
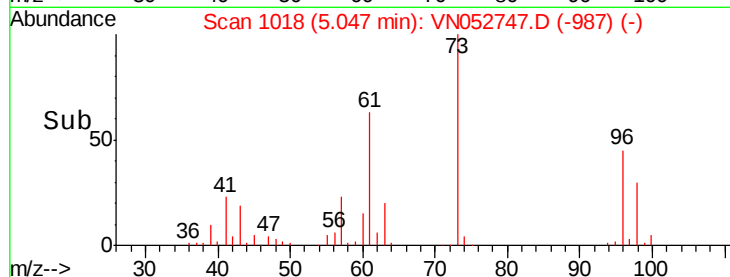
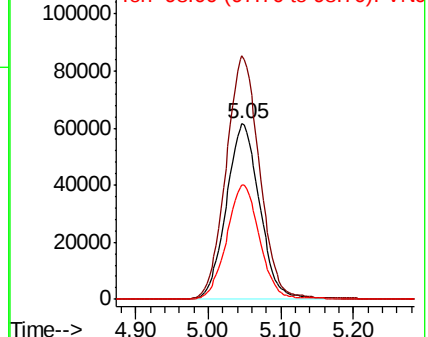


Abundance

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



#20

Diisopropyl ether

Concen: 20.075 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Tgt Ion: 45 Resp: 665812

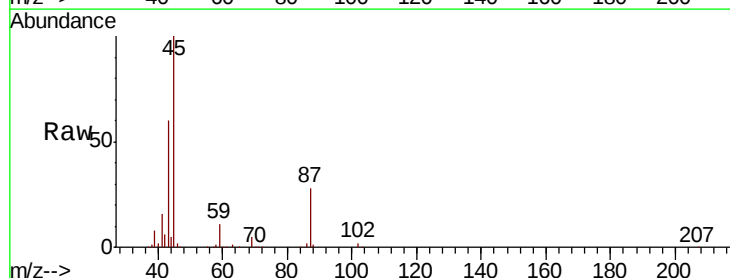
Ion Ratio Lower Upper

45 100

43 58.3 47.8 71.8

87 28.0 21.3 31.9

59 11.1 8.9 13.3



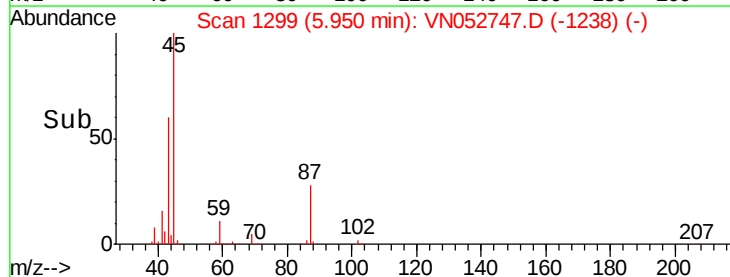
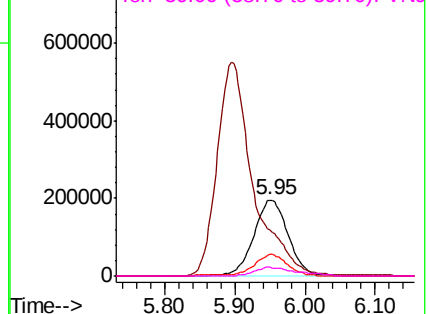
Abundance

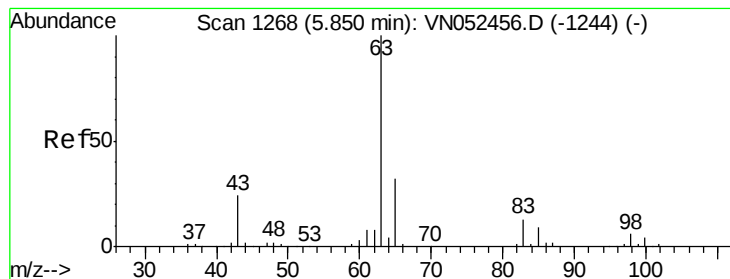
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.967 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

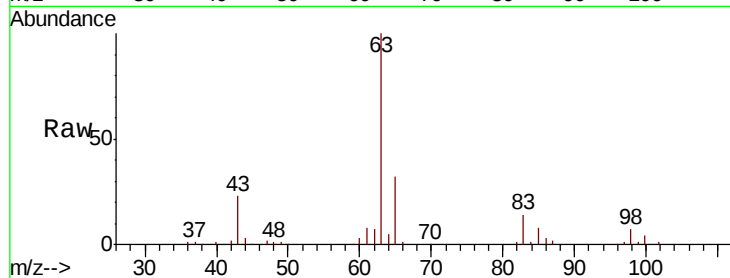
Tot Ion: 63 Resp: 377452

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

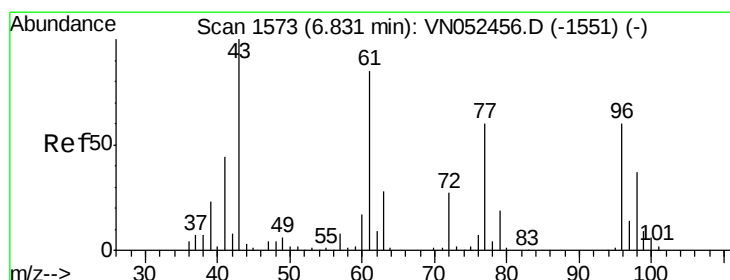
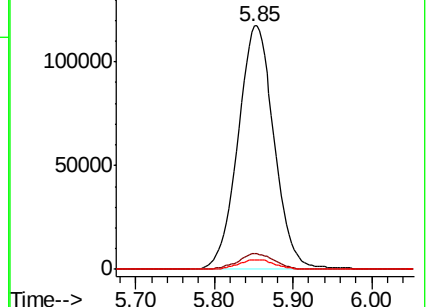
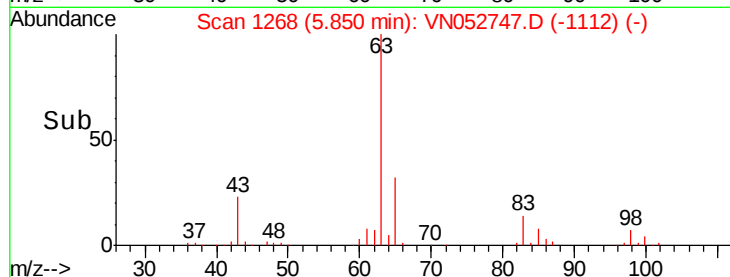
100 4.0 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052747.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN052747.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN052747.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.717 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

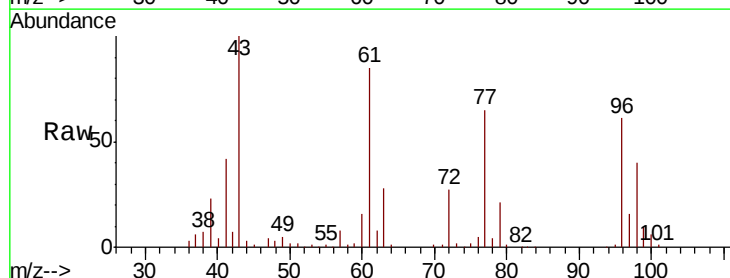
Tgt Ion: 96 Resp: 231233

Ion Ratio Lower Upper

96 100

61 142.2 116.7 175.1

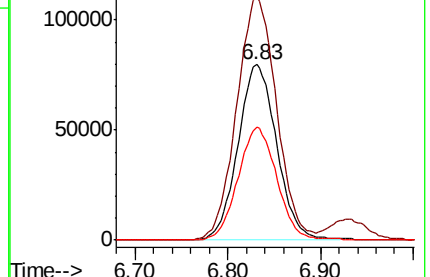
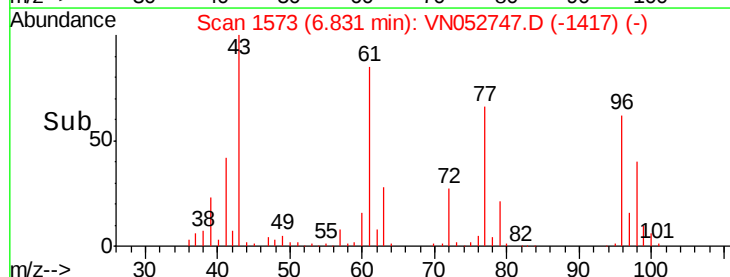
98 64.3 50.8 76.2

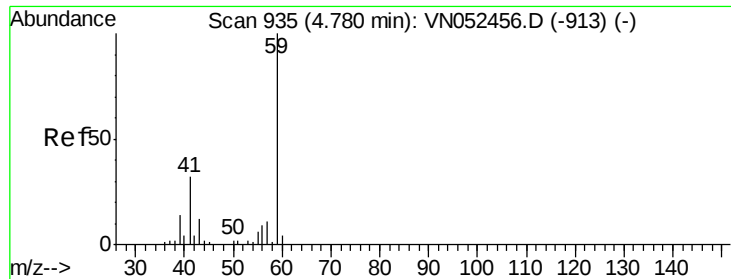


Abundance Ion 96.00 (95.70 to 96.70): VN052747.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052747.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052747.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 0.509 ug/l

RT: 4.86 min Scan# 959

Delta R.T. 0.08 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

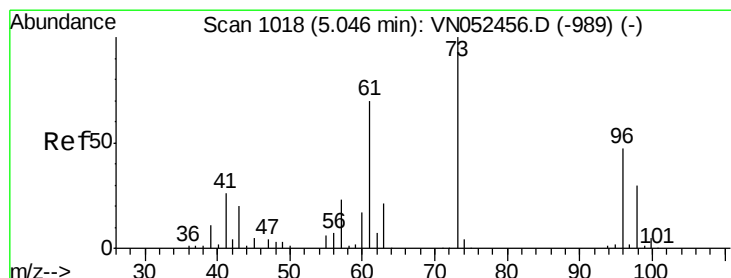
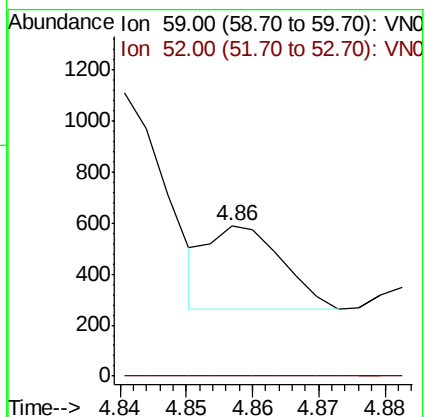
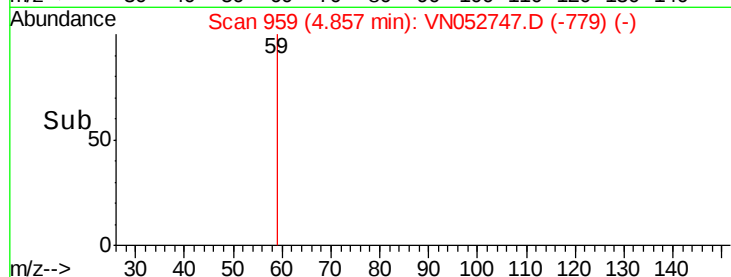
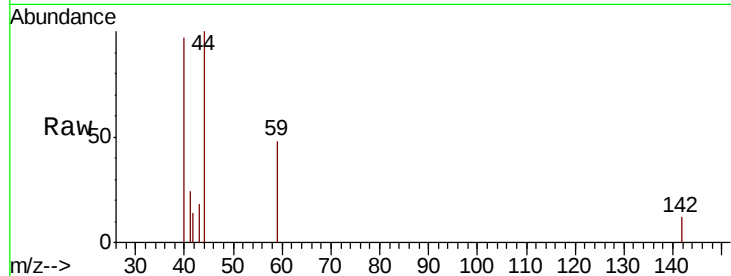
VN1210WBSD01

Tot Ion: 59 Resp: 248

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 21.457 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052747.D

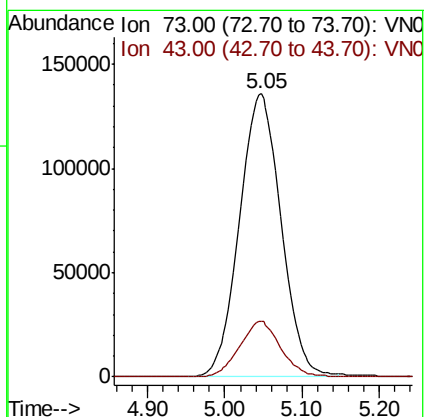
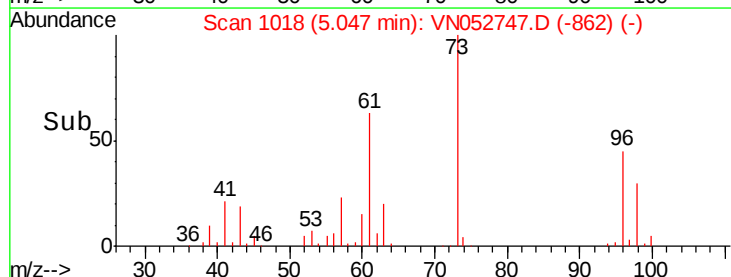
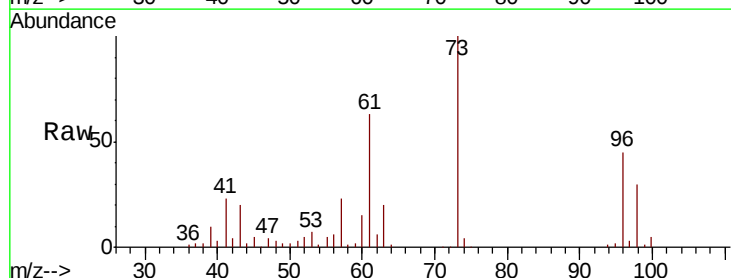
Acq: 10 Dec 2018 12:30

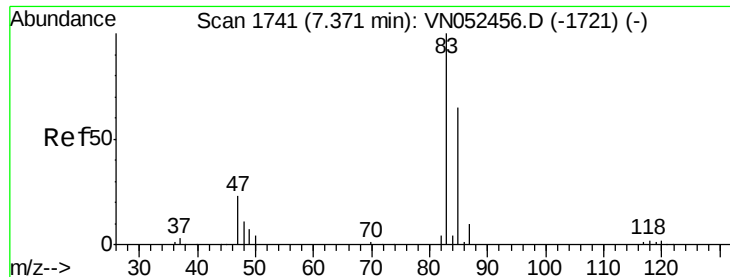
Tgt Ion: 73 Resp: 509411

Ion Ratio Lower Upper

73 100

43 19.3 15.8 23.8

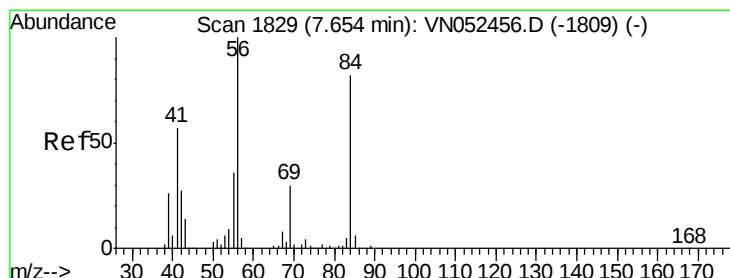
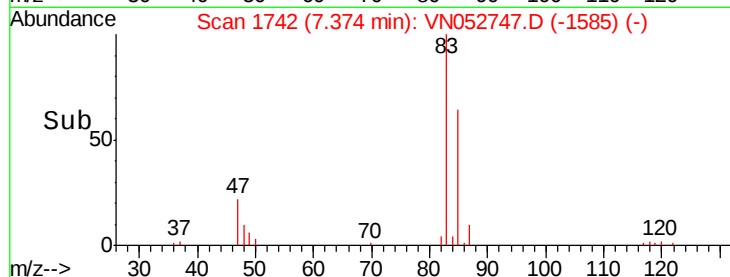
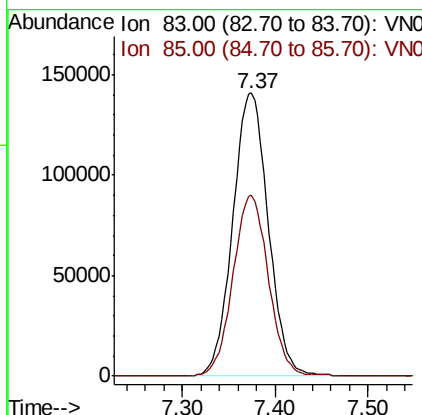
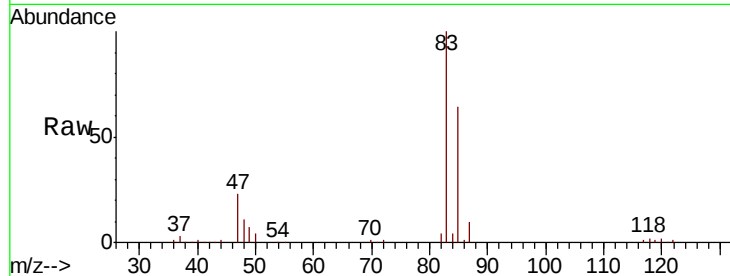




#25
Chloroform
Concen: 20.533 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

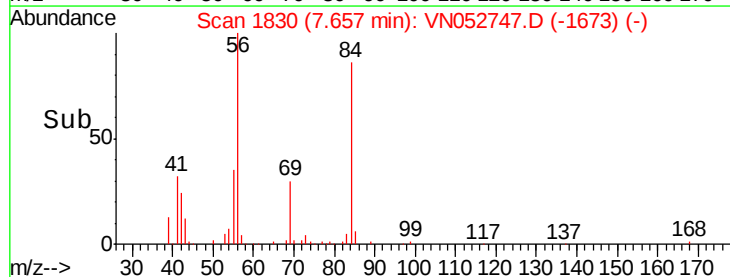
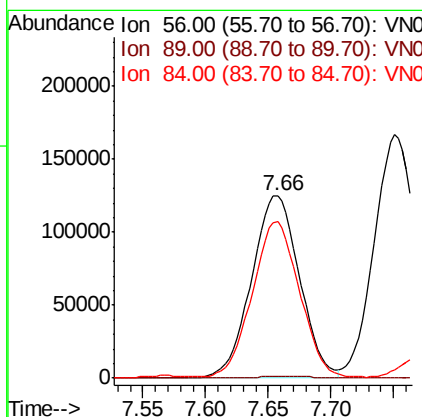
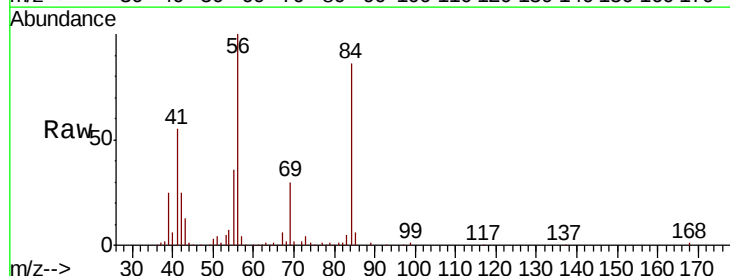
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

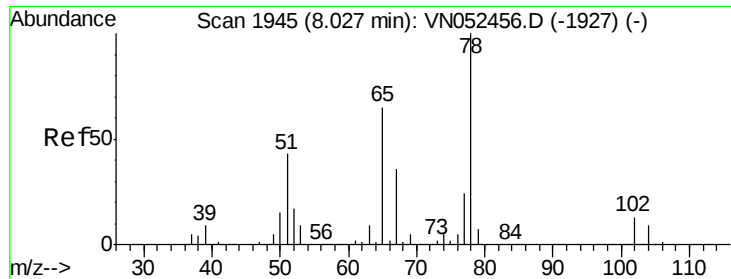
Tot Ion: 83 Resp: 374457
Ion Ratio Lower Upper
83 100
85 63.9 51.7 77.5



#26
Cyclohexane
Concen: 18.691 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 56 Resp: 333246
Ion Ratio Lower Upper
56 100
89 0.6 0.5 0.7
84 84.9 66.2 99.2

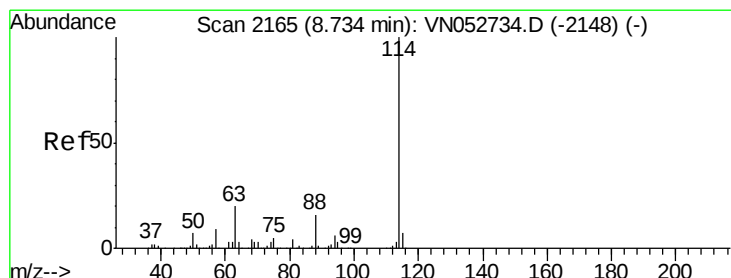
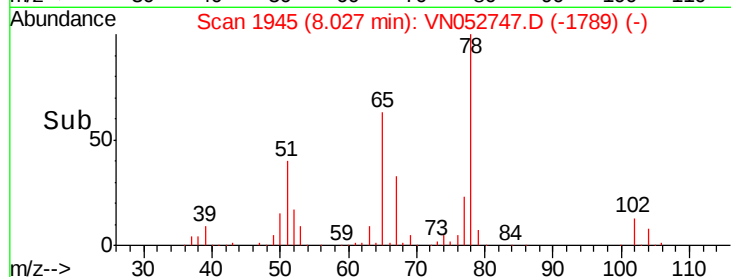
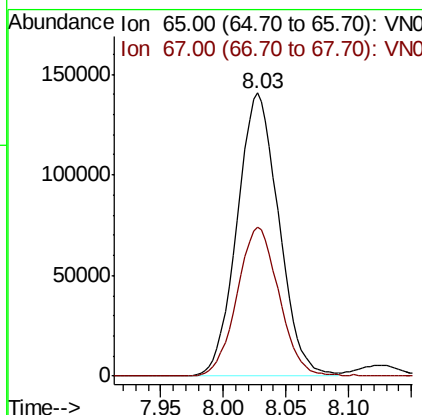
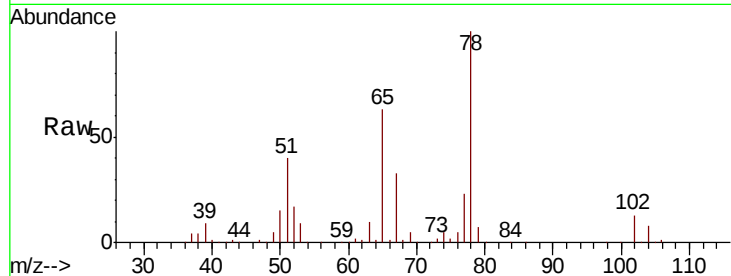




#27
 1,2-Dichloroethane-d4
 Concen: 18.691 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

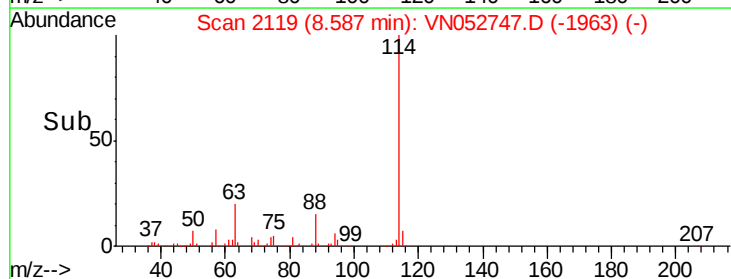
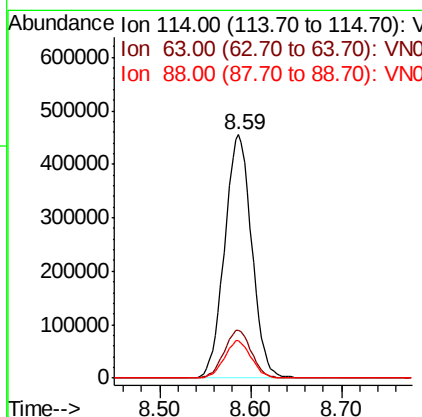
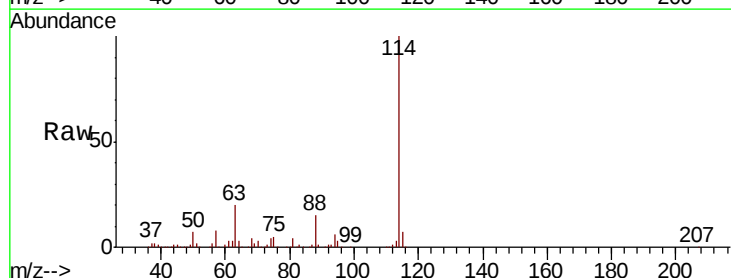
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion: 65 Resp: 325602
 Ion Ratio Lower Upper
 65 100
 67 52.8 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 114 Resp: 941415
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.9 25.3
 88 15.3 12.8 19.2

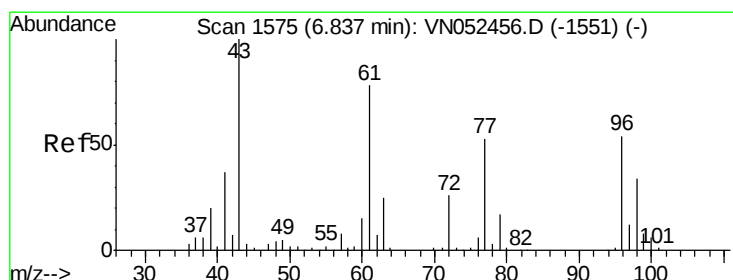
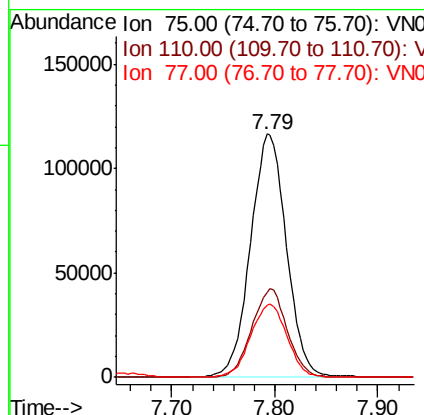
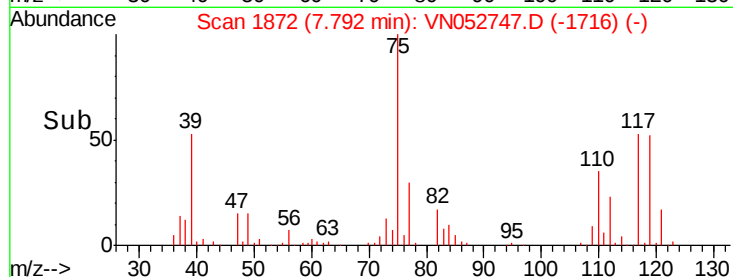
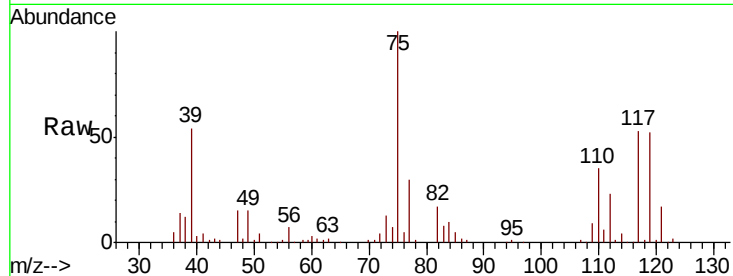




#29
 1,1-Dichloropropene
 Concen: 19.649 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

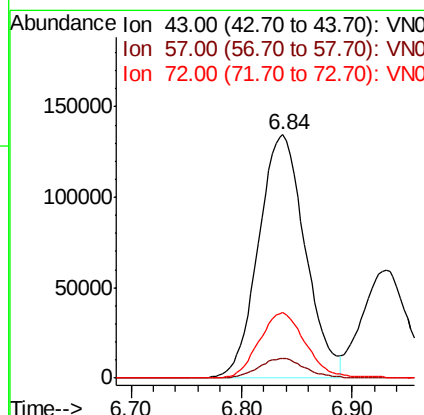
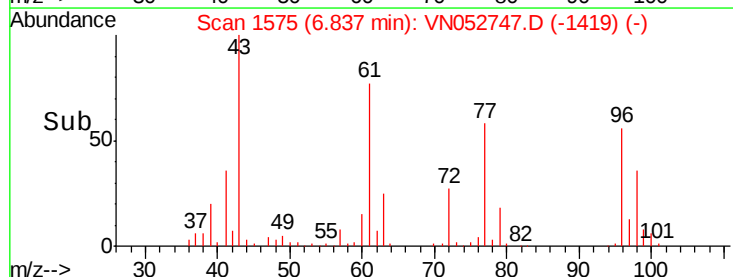
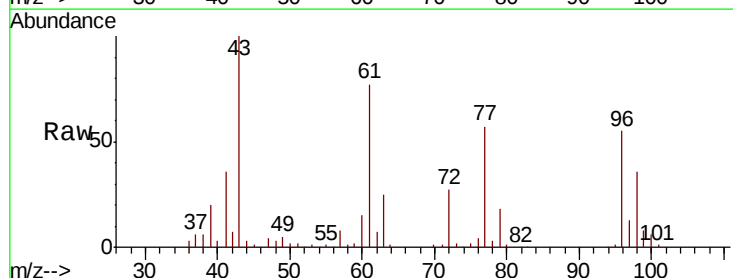
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

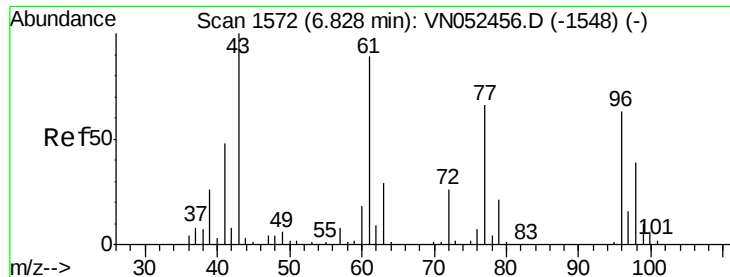
Tot Ion: 75 Resp: 282474
 Ion Ratio Lower Upper
 75 100
 110 35.8 0.0 70.2
 77 30.6 0.0 62.6



#30
 2-Butanone
 Concen: 102.013 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 43 Resp: 392434
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 26.9 21.0 31.6

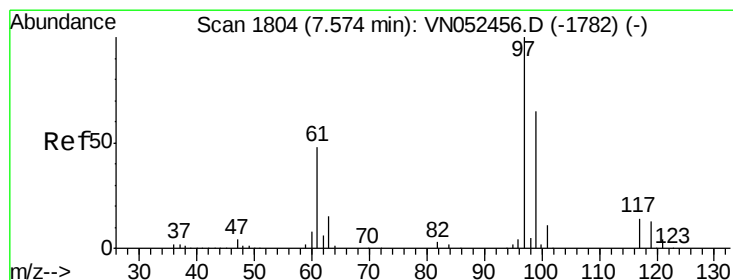
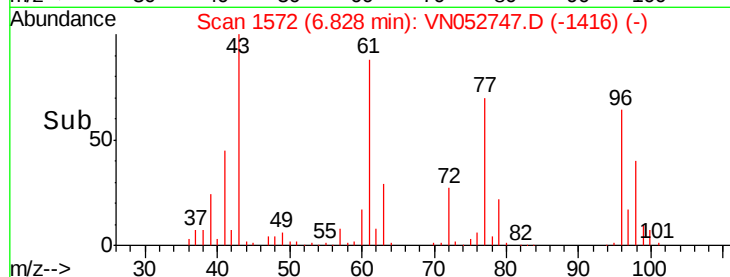
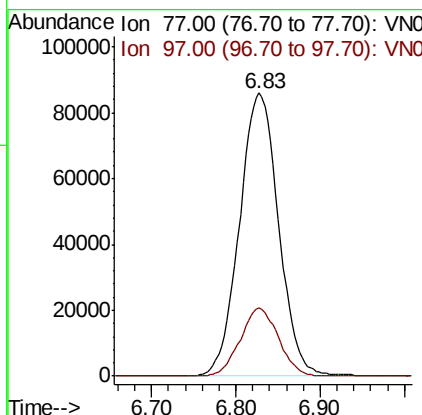
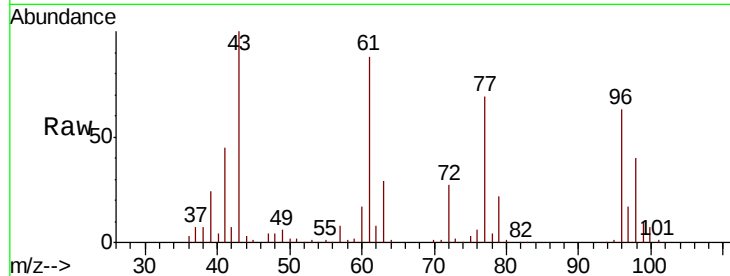




#31
 2,2-Dichloropropane
 Concen: 20.919 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

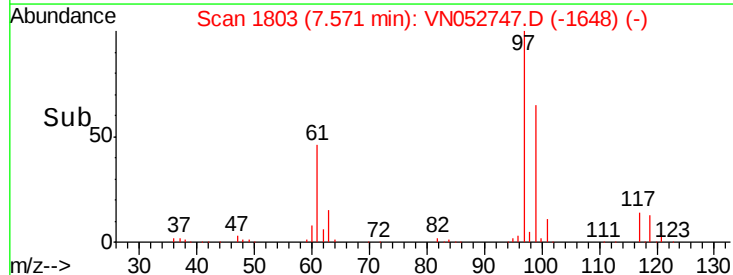
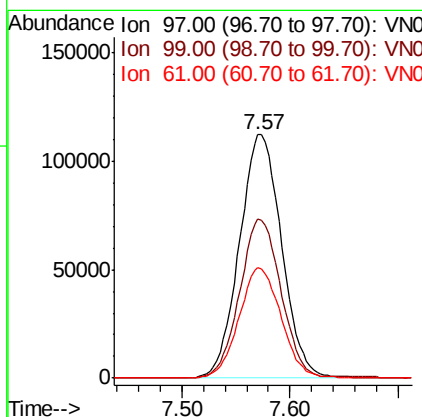
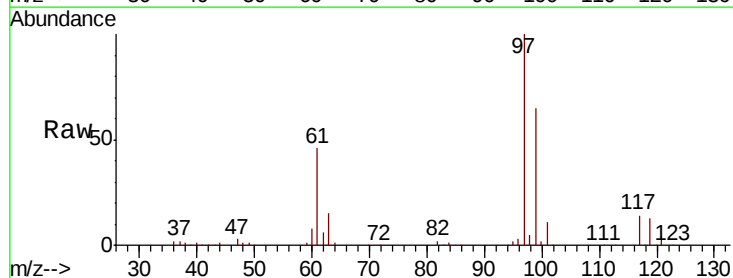
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

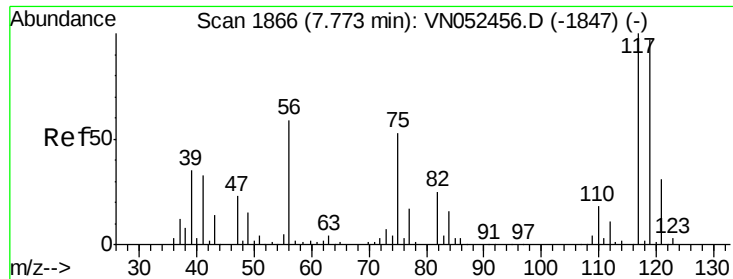
Tot Ion: 77 Resp: 276871
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.416 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 97 Resp: 305405
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 45.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.285 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

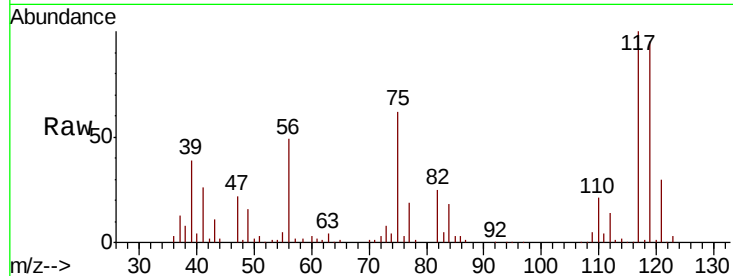
Tot Ion:117 Resp: 265503

Ion Ratio Lower Upper

117 100

119 95.3 77.3 115.9

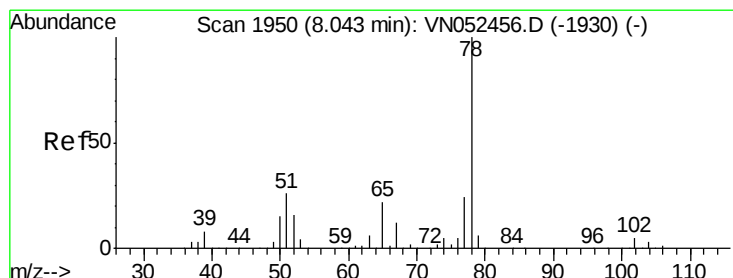
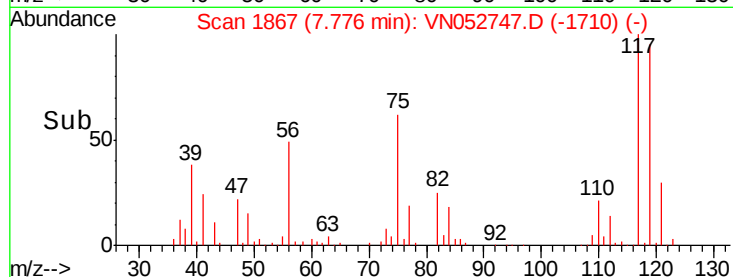
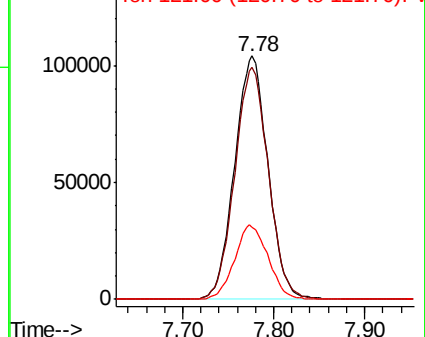
121 29.7 24.9 37.3



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: 19.943 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

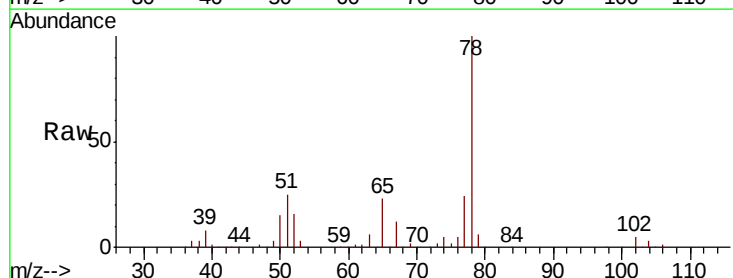
Tgt Ion: 78 Resp: 861993

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

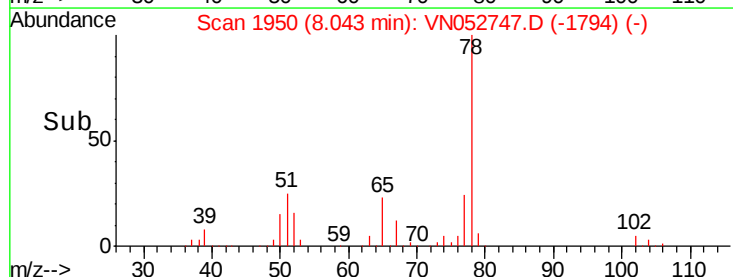
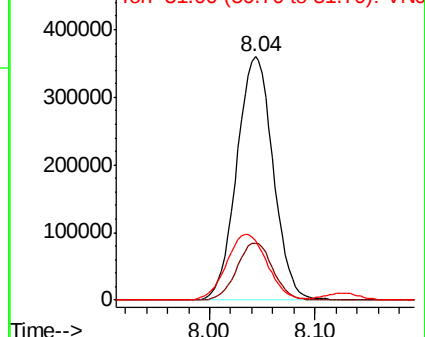
51 24.4 20.5 30.7

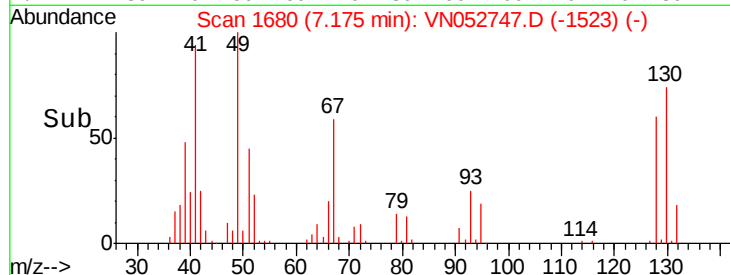
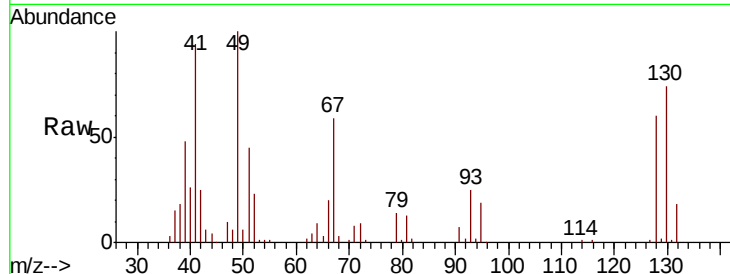
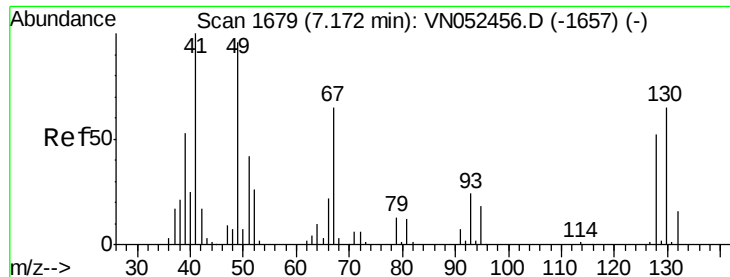


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

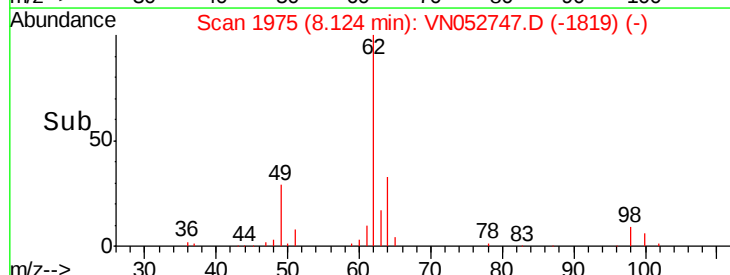
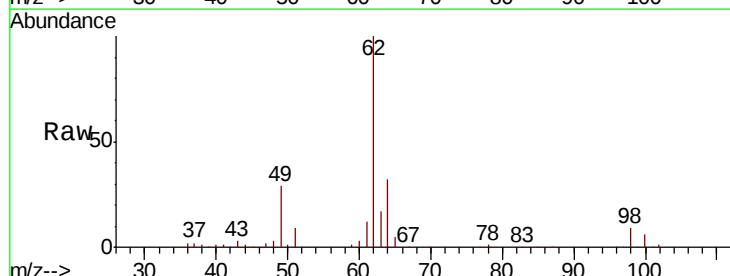
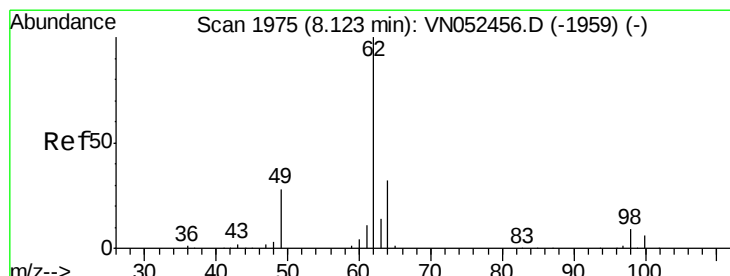
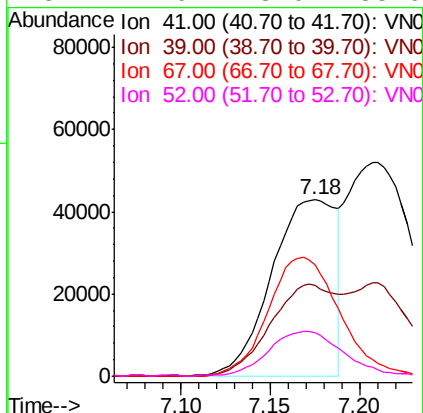




#35
Methacrylonitrile
Concen: 22.590 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

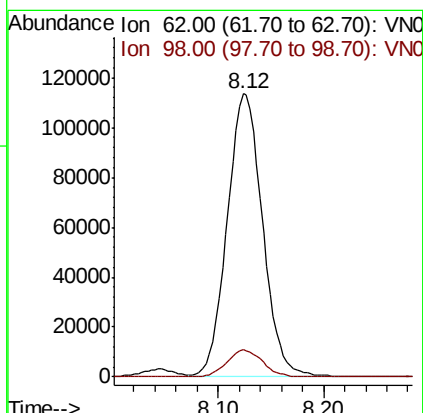
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

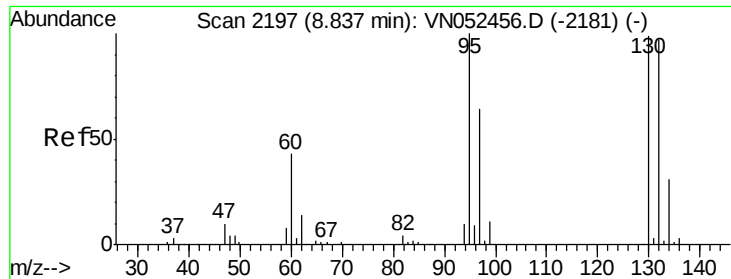
Tot Ion: 41 Resp: 107819
Ion Ratio Lower Upper
41 100
39 51.3 26.6 79.7
67 63.4 32.3 96.9
52 24.9 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.052 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 62 Resp: 262642
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.2

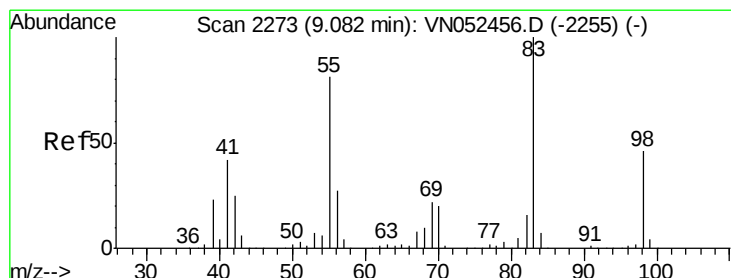
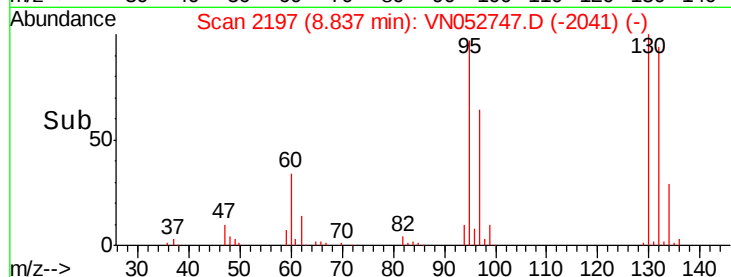
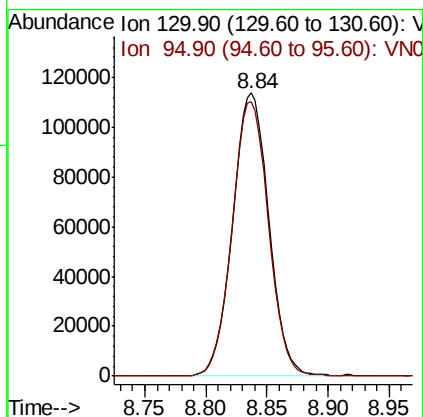
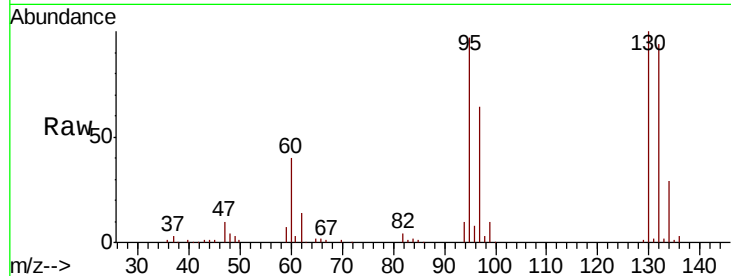




#37
 Trichloroethene
 Concen: 21.298 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

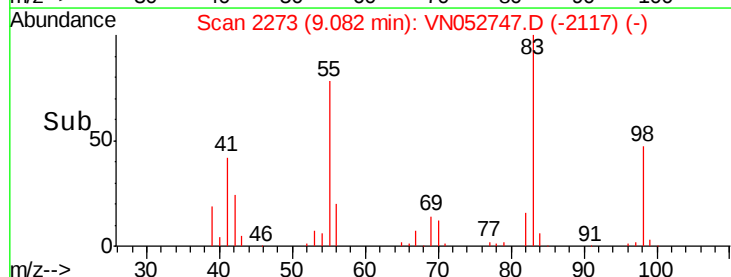
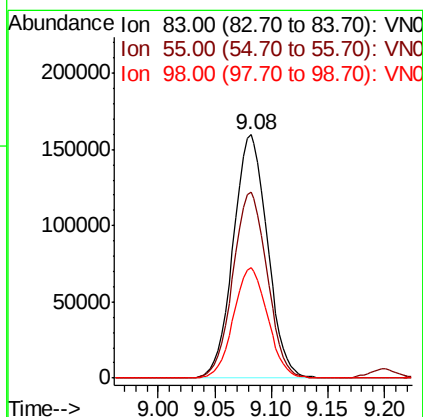
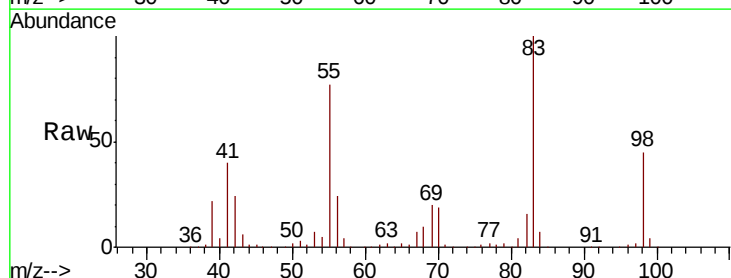
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

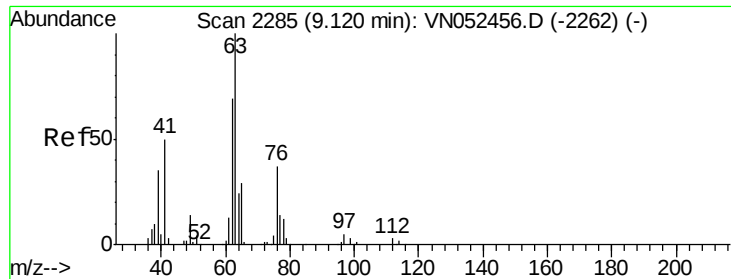
Tot Ion:130 Resp: 233434
 Ion Ratio Lower Upper
 130 100
 95 97.0 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.879 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 83 Resp: 335990
 Ion Ratio Lower Upper
 83 100
 55 76.8 39.8 119.4
 98 45.3 22.9 68.5





#39

1,2-Dichloropropane

Concen: 19.923 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

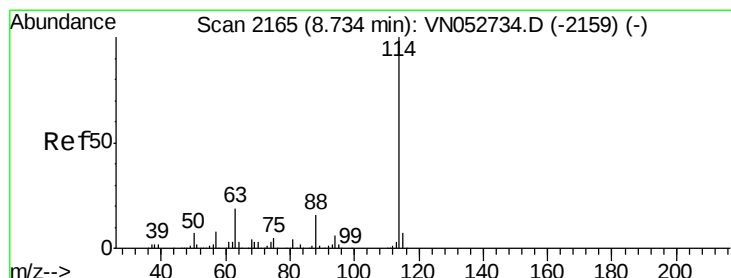
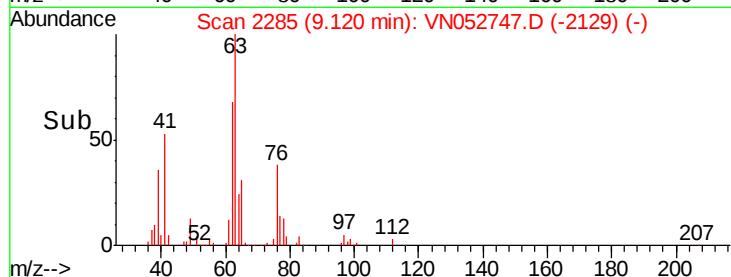
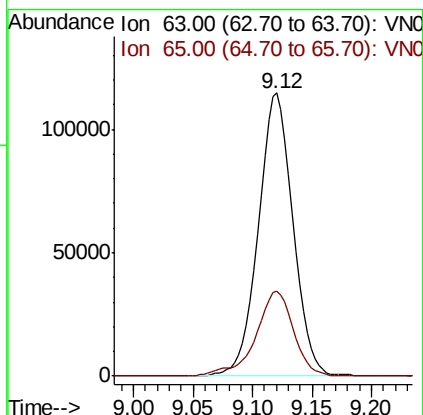
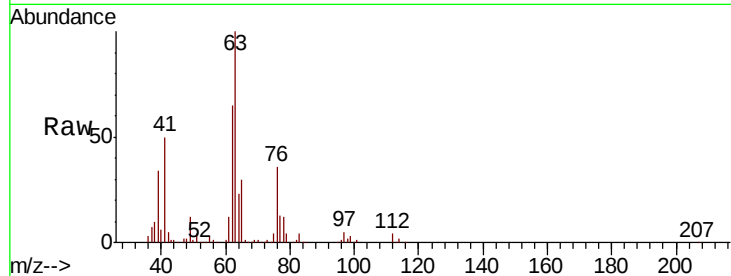
VN1210WBSD01

Tot Ion: 63 Resp: 230831

Ion Ratio Lower Upper

63 100

65 29.8 23.6 35.4



#40

Dibromomethane

Concen: 21.126 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

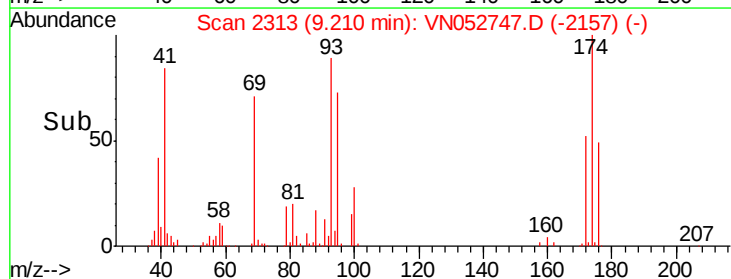
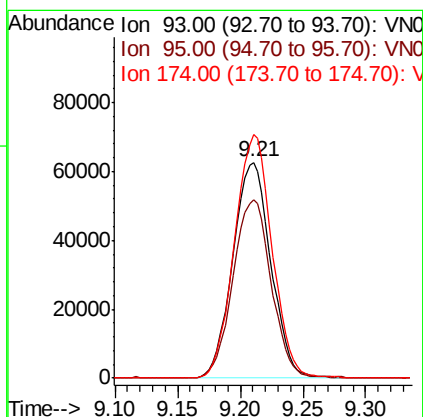
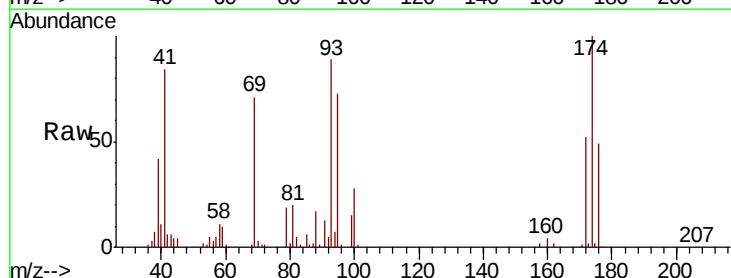
Tgt Ion: 93 Resp: 132271

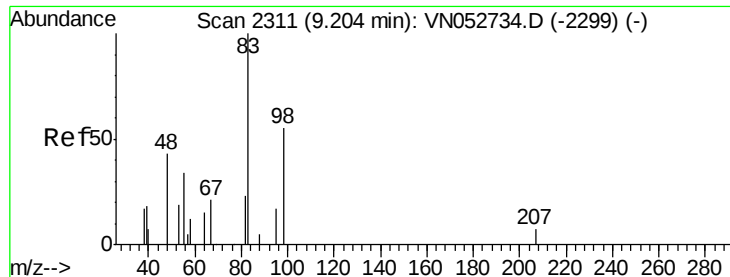
Ion Ratio Lower Upper

93 100

95 83.1 0.0 168.4

174 111.3 0.0 210.0





#41

Bromodichloromethane

Concen: 20.385 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

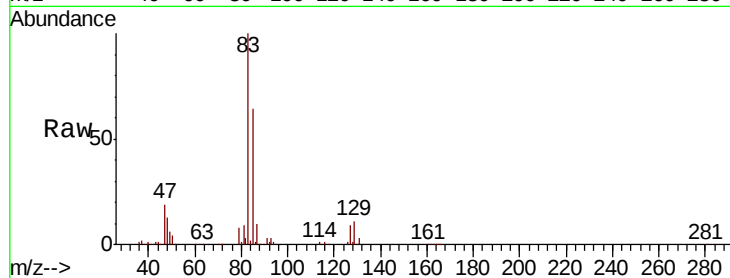
Tot Ion: 83 Resp: 281984

Ion Ratio Lower Upper

83 100

85 63.7 52.4 78.6

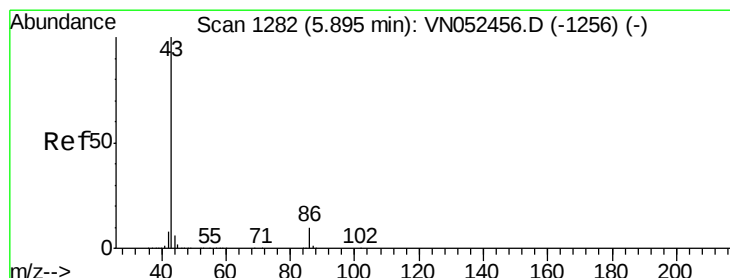
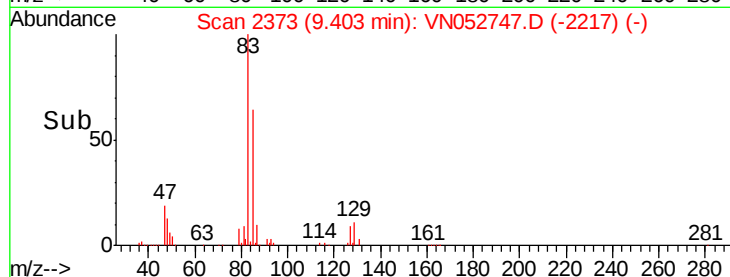
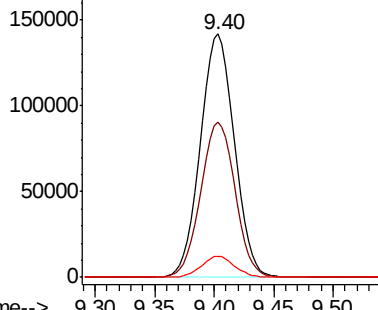
127 8.8 6.6 9.8



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: 94.663 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052747.D

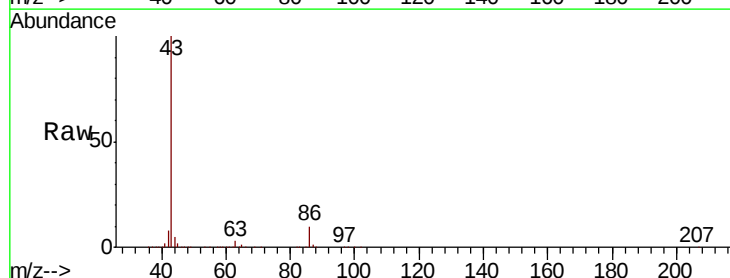
Acq: 10 Dec 2018 12:30

Tgt Ion: 43 Resp: 1970312

Ion Ratio Lower Upper

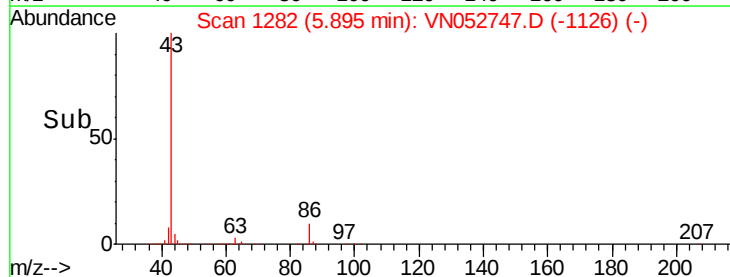
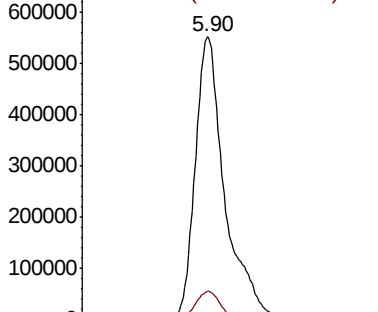
43 100

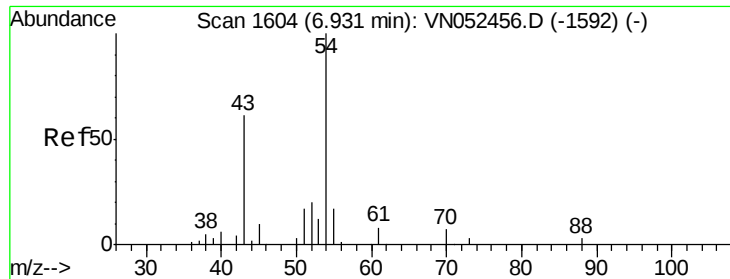
86 8.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

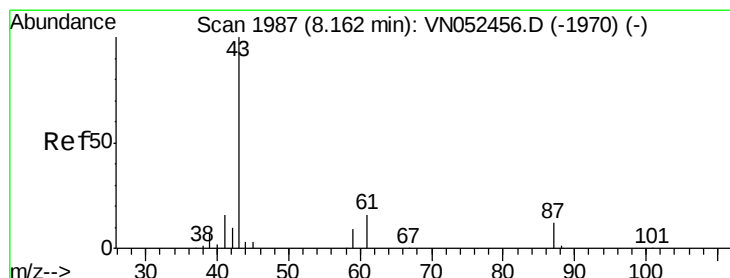
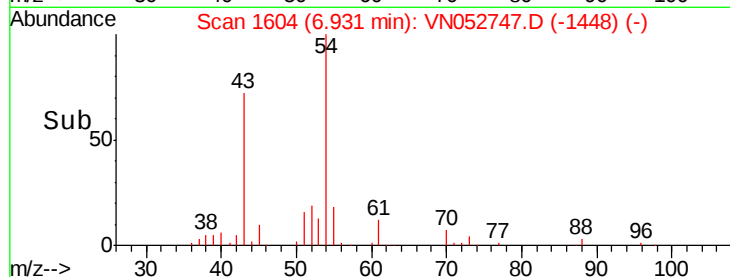
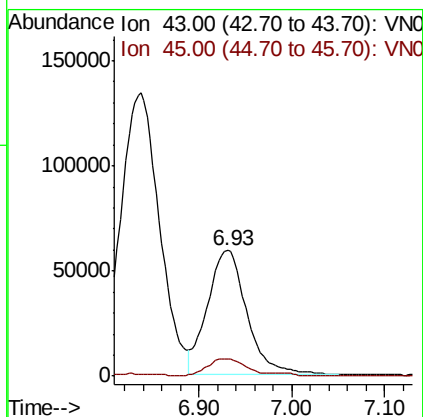
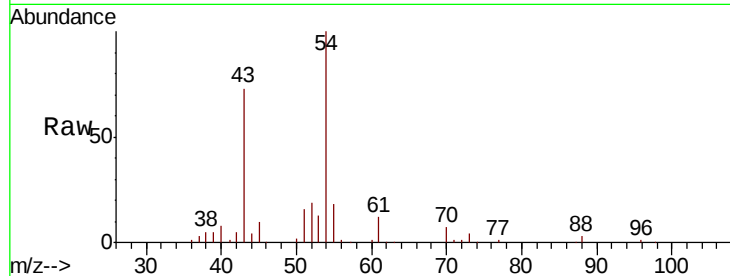




#43
Ethyl Acetate
Concen: 21.226 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

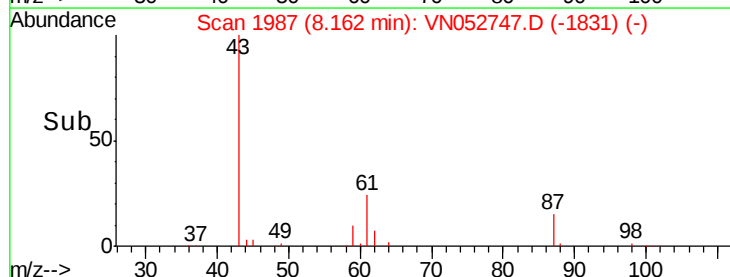
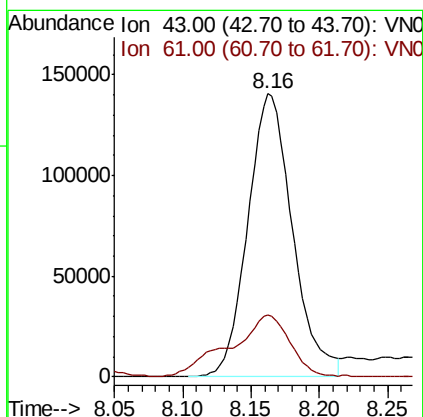
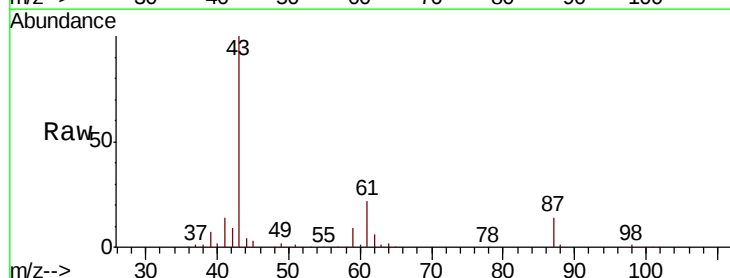
Instrument :
MSVOA_N
ClientSampled :
VN1210WBSD01

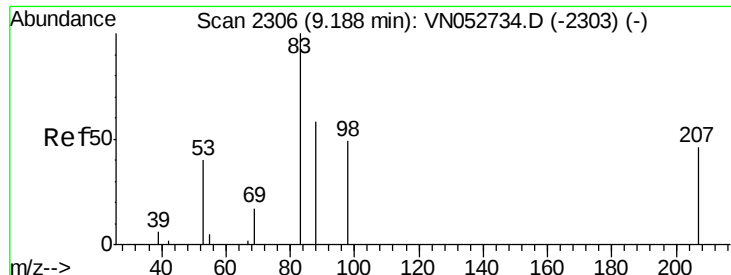
Tot Ion: 43 Resp: 173628
Ion Ratio Lower Upper
43 100
45 13.2 1.0 1.6#



#44
Isopropyl Acetate
Concen: 22.172 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 43 Resp: 318076
Ion Ratio Lower Upper
43 100
61 19.9 16.0 24.0

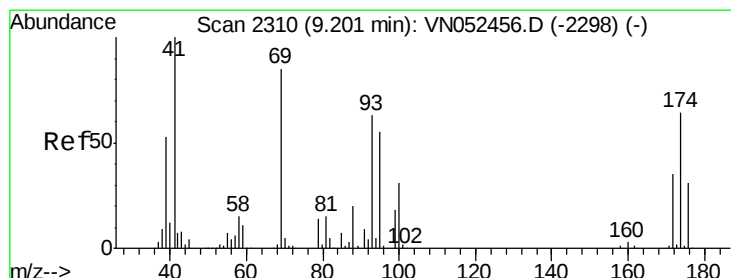
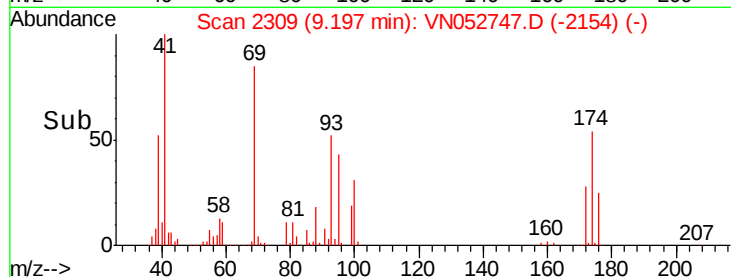
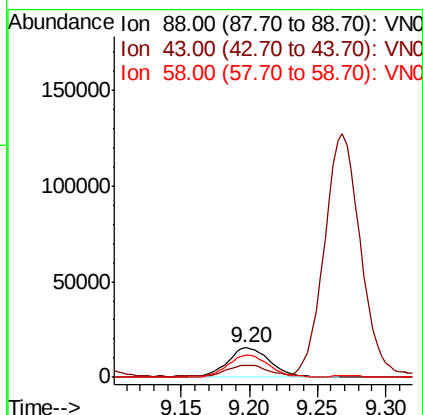
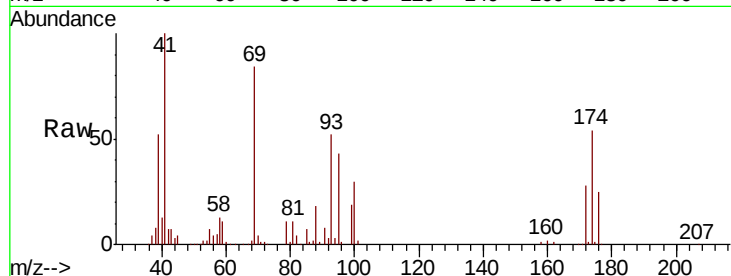




#45
 1,4-Dioxane
 Concen: 430.185 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

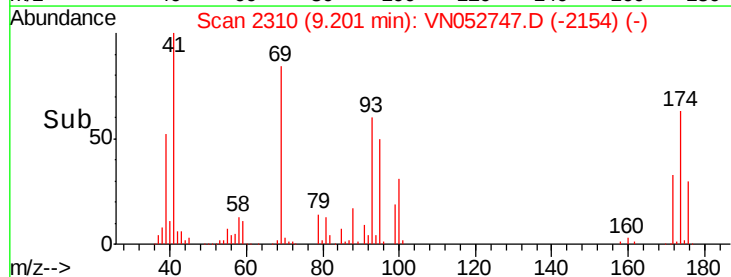
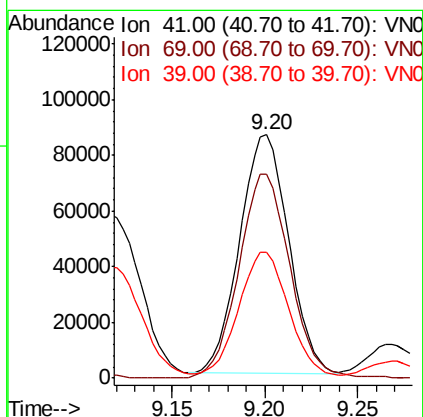
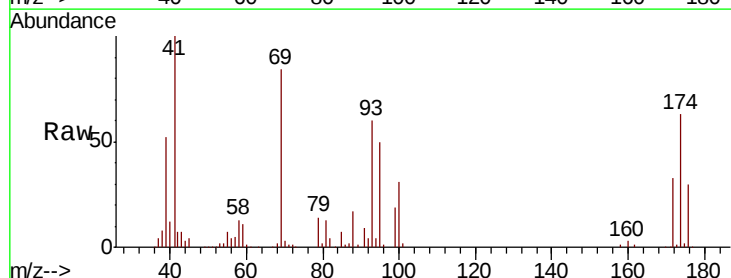
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

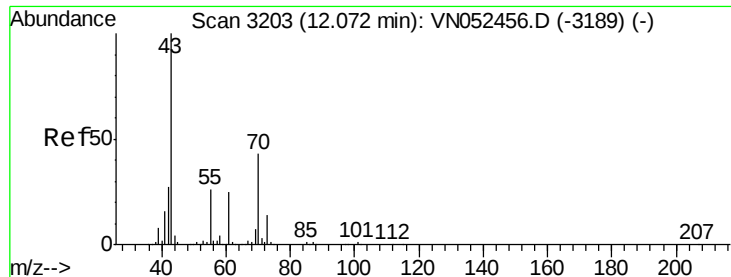
Tot Ion: 88 Resp: 33762
 Ion Ratio Lower Upper
 88 100
 43 35.4 29.5 44.3
 58 72.1 61.5 92.3



#46
 Methyl methacrylate
 Concen: 21.181 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 41 Resp: 157771
 Ion Ratio Lower Upper
 41 100
 69 85.2 42.5 127.6
 39 51.3 26.3 78.9

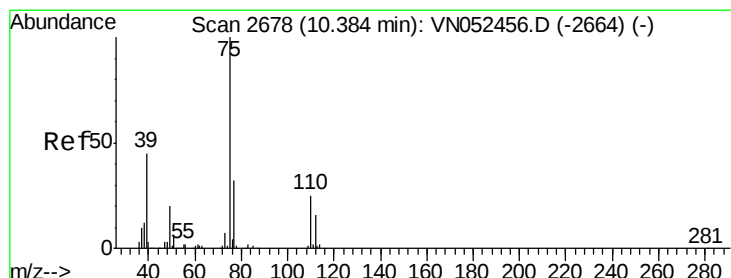
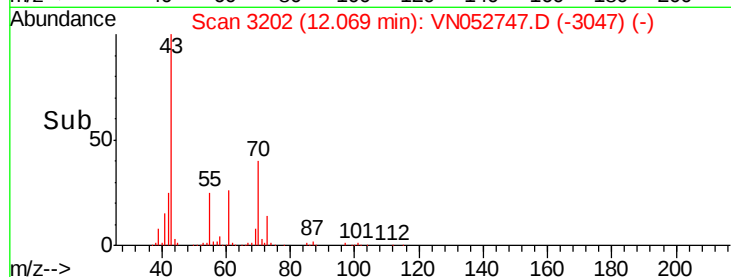
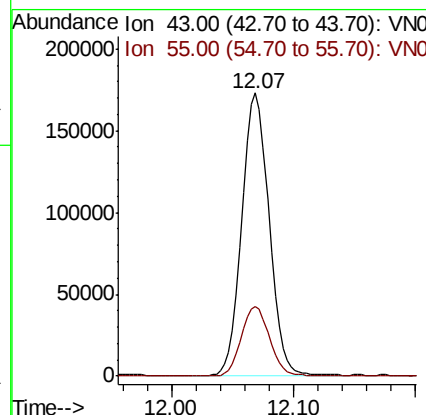
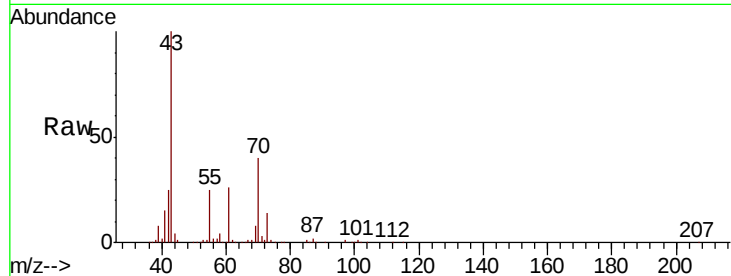




#47
n-amvl Acetate
Concen: 22.504 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

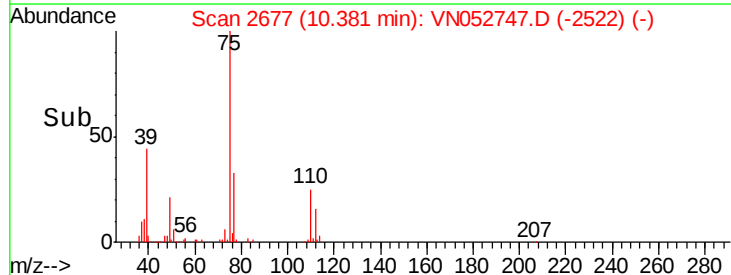
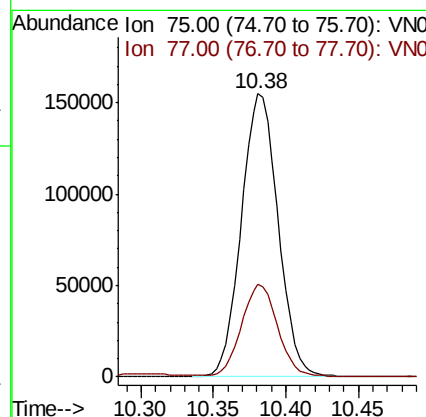
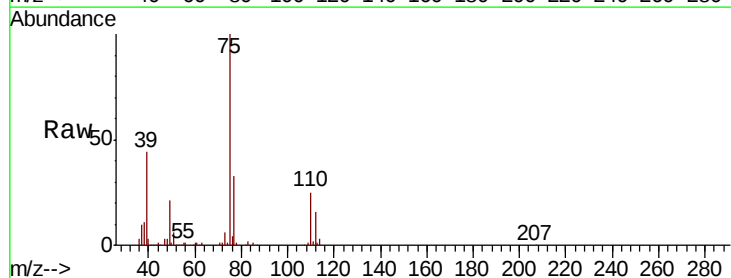
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

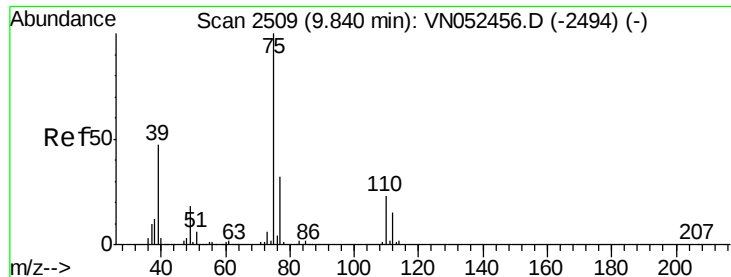
Tot Ion: 43 Resp: 267677
Ion Ratio Lower Upper
43 100
55 25.5 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 20.372 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 75 Resp: 273250
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4



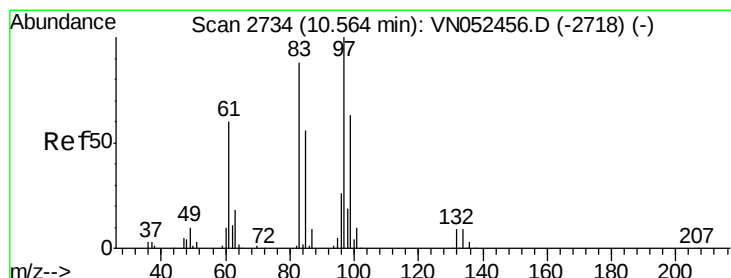
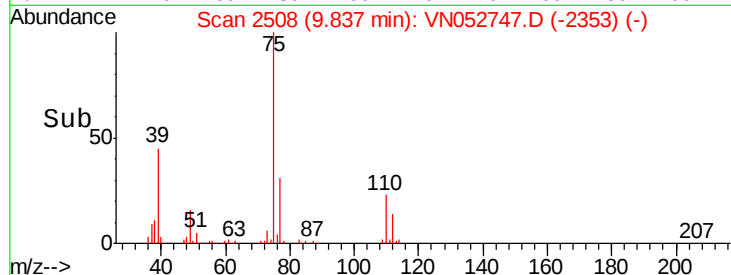
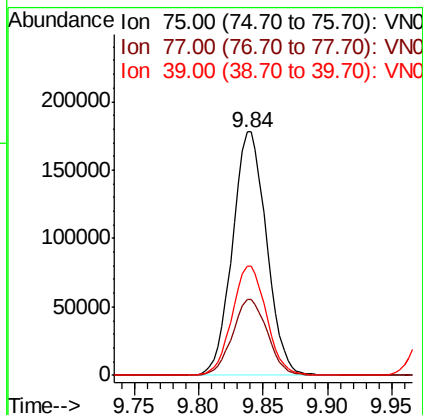
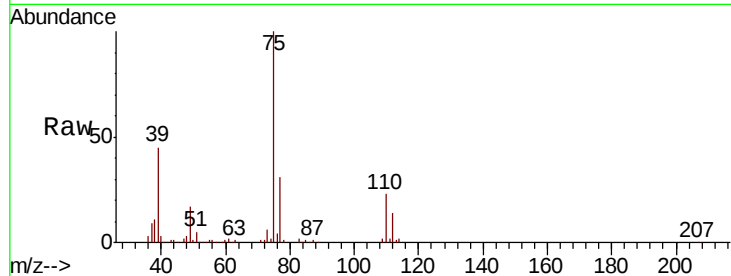


#49

cis-1,3-Dichloropropene
 Concen: 20.006 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

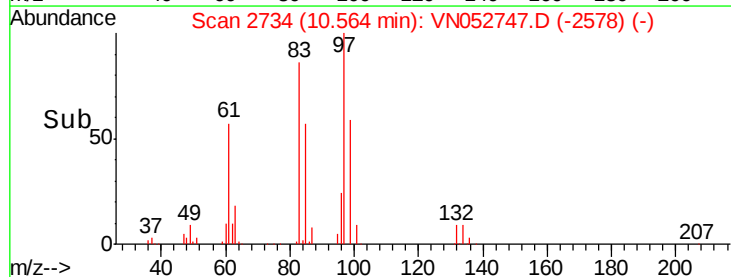
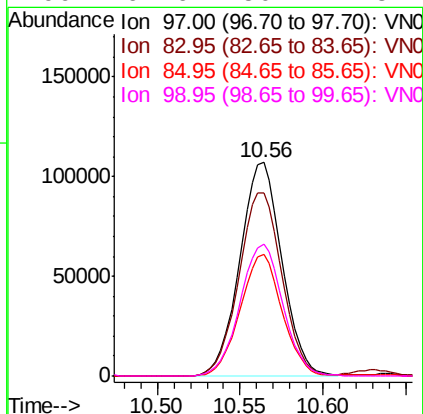
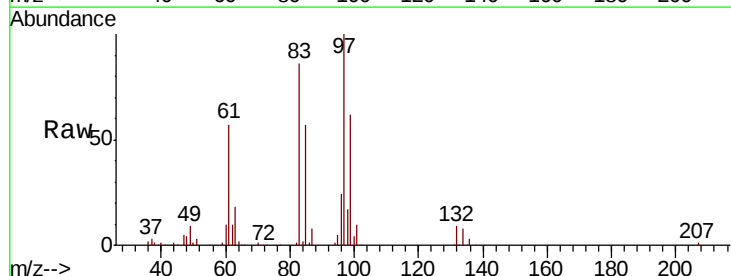
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	44.8	37.3	55.9

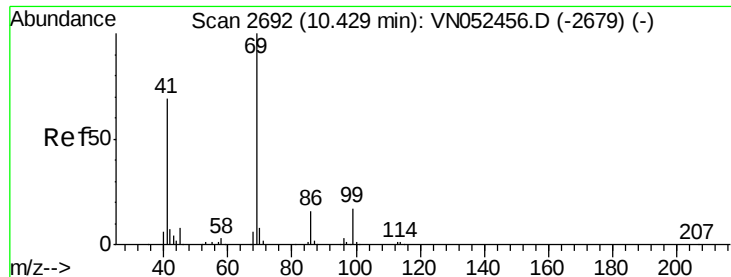


#50

1,1,2-Trichloroethane
 Concen: 21.389 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.4	105.6
85	56.7	45.0	67.6
99	61.6	50.2	75.2

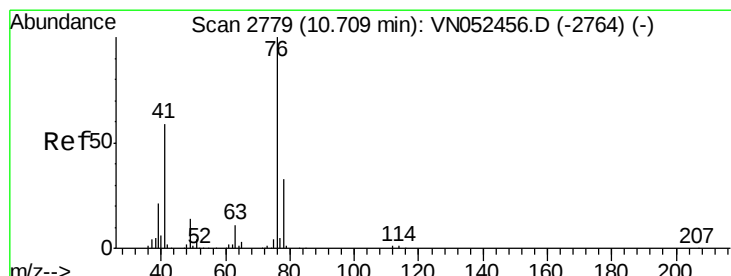
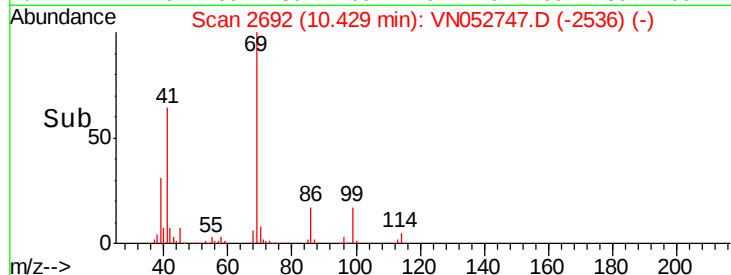
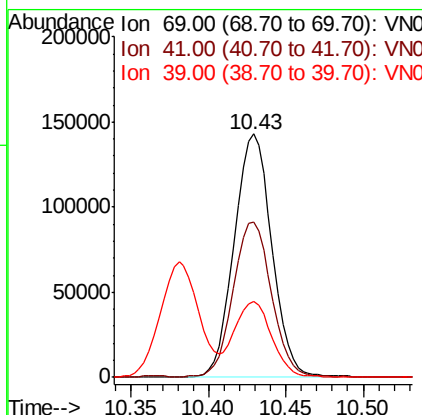
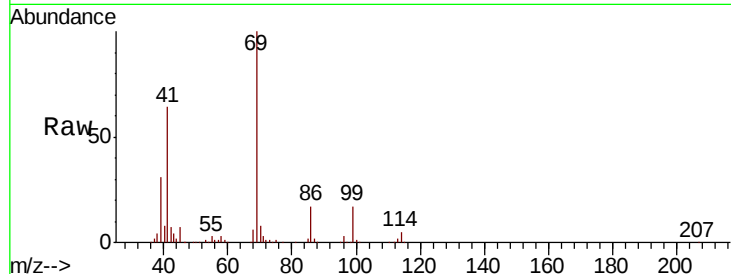




#51
Ethyl methacrylate
Concen: 21.711 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

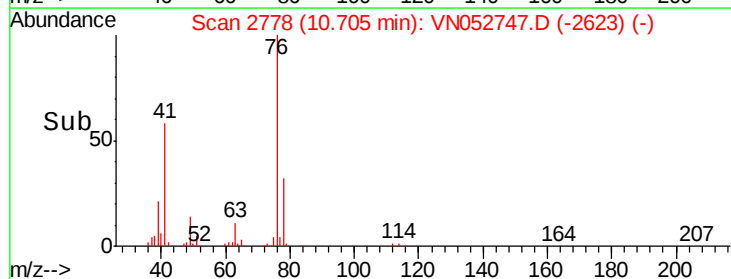
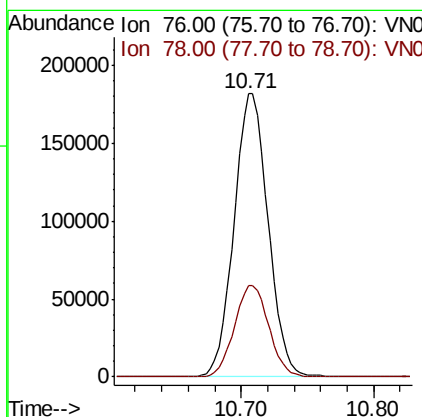
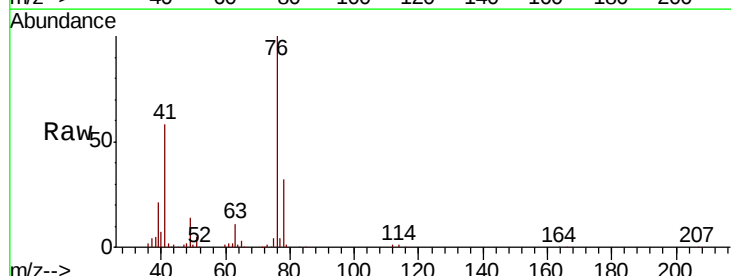
Instrument :
MSVOA_N
ClientSampled :
VN1210WBSD01

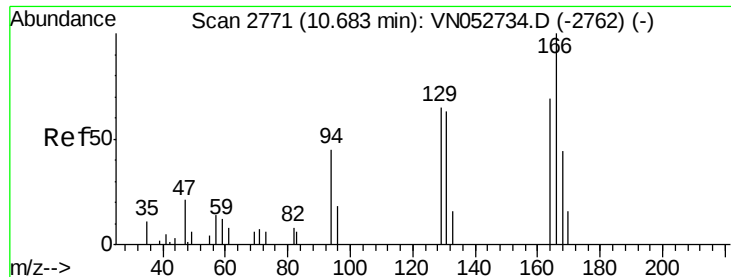
Tot Ion: 69 Resp: 242001
Ion Ratio Lower Upper
69 100
41 63.5 34.4 103.3
39 30.8 16.4 49.2



#52
1,3-Dichloropropane
Concen: 20.529 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 76 Resp: 324306
Ion Ratio Lower Upper
76 100
78 32.6 0.0 64.8





#53

Dibromochloromethane

Concen: 21.098 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

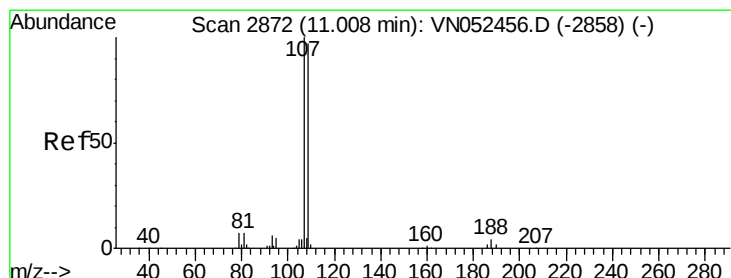
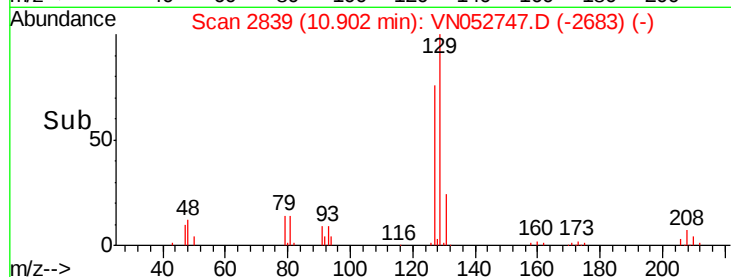
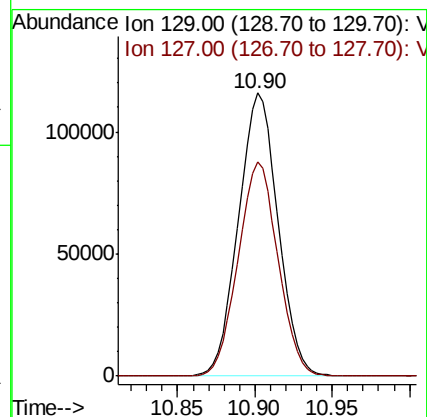
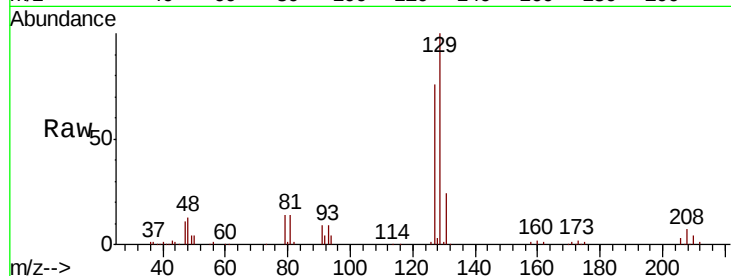
VN1210WBSD01

Tot Ion:129 Resp: 206155

Ion Ratio Lower Upper

129 100

127 76.1 37.6 112.8



#54

1,2-Dibromoethane

Concen: 21.164 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052747.D

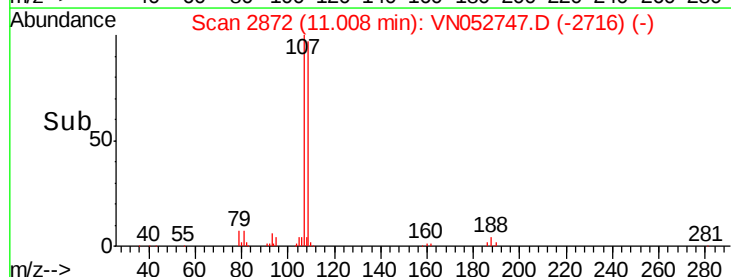
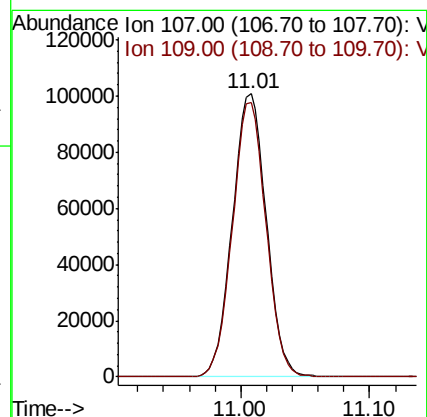
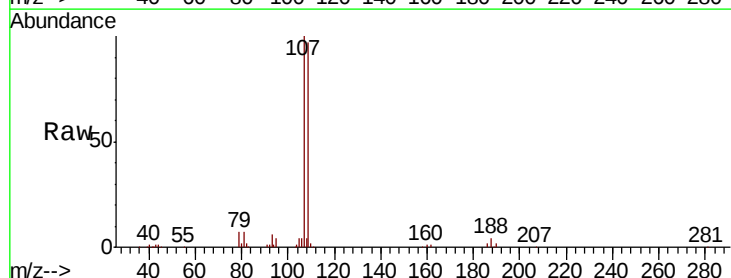
Acq: 10 Dec 2018 12:30

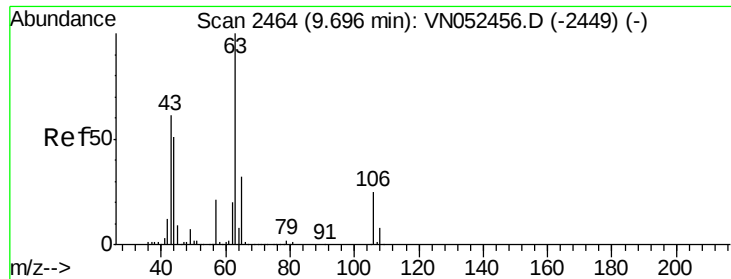
Tgt Ion:107 Resp: 183544

Ion Ratio Lower Upper

107 100

109 96.1 77.1 115.7

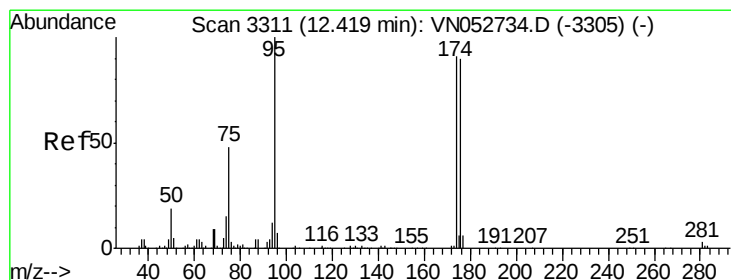
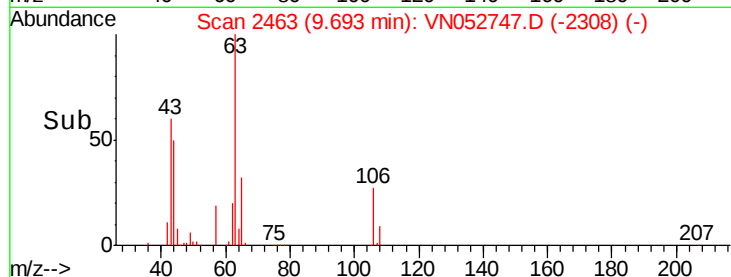
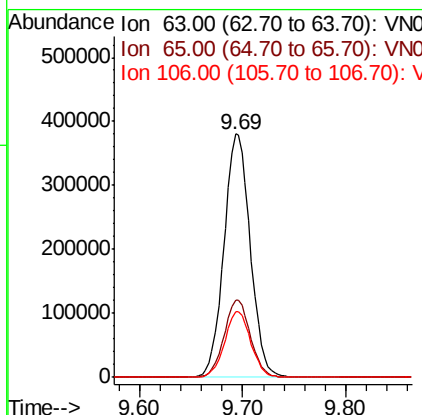
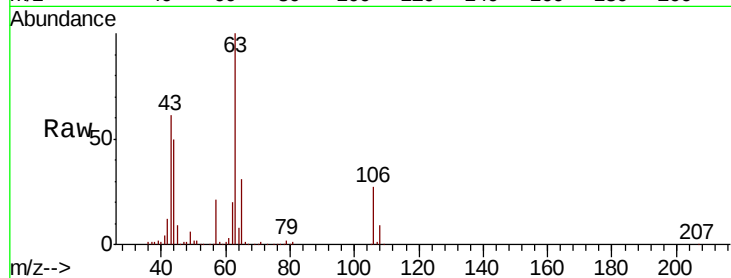




#55
2-Chloroethyl vinyl ether
Concen: 103.416 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

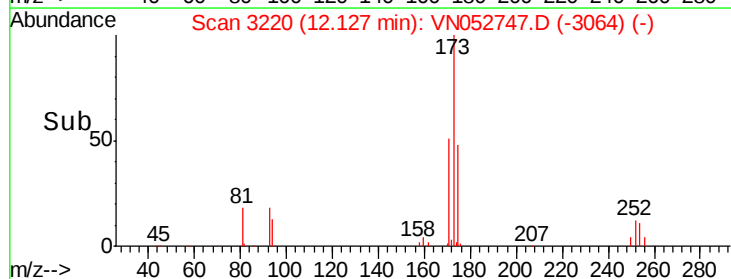
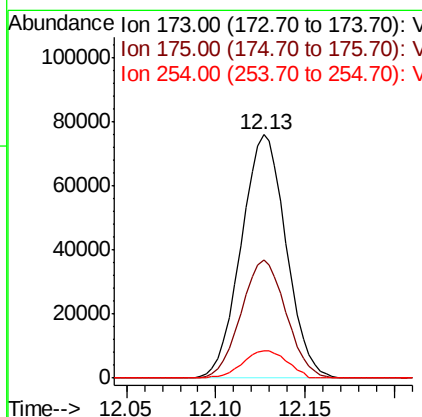
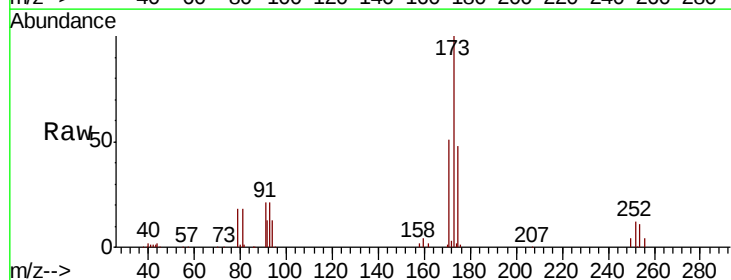
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

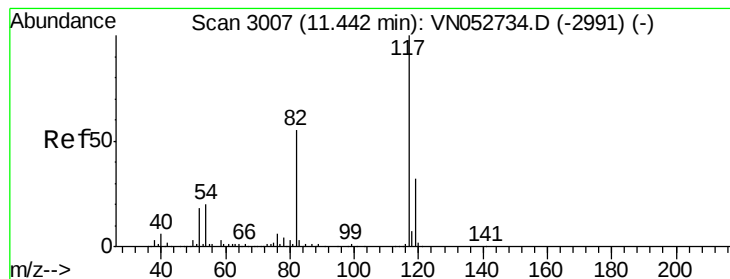
Tot Ion: 63 Resp: 674764
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.2
106 26.9 20.4 30.6



#56
Bromoform
Concen: 20.926 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 173 Resp: 133648
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
254 11.1 8.4 12.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

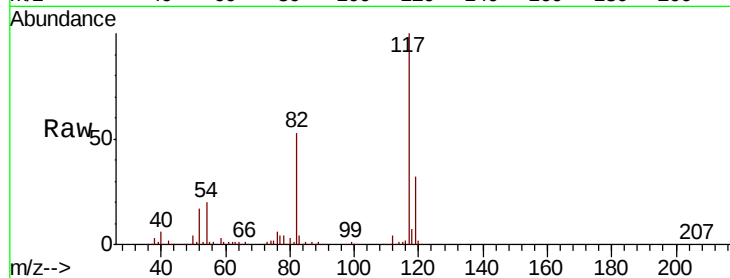
Tot Ion:117 Resp: 828263

Ion Ratio Lower Upper

117 100

82 53.7 44.2 66.2

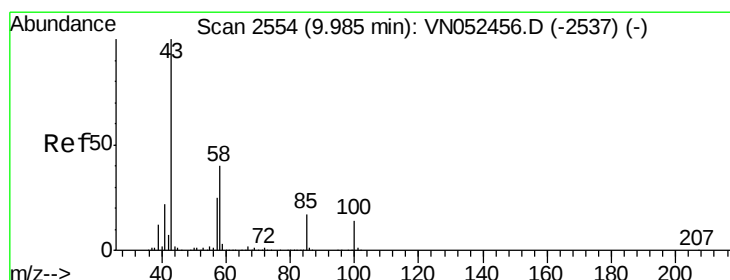
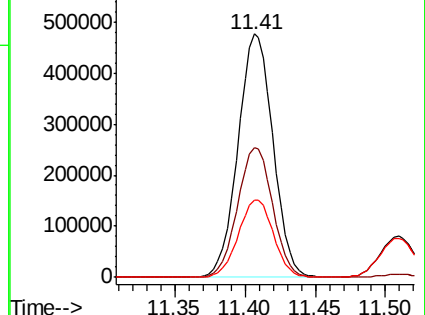
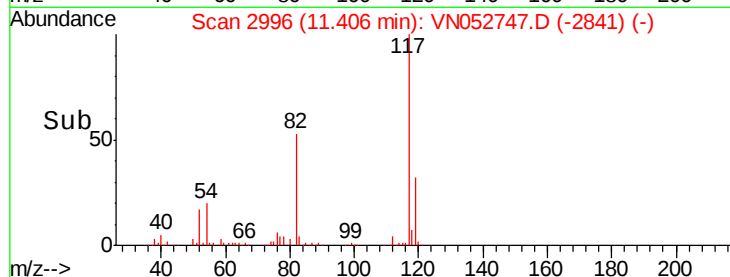
119 32.0 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 107.863 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

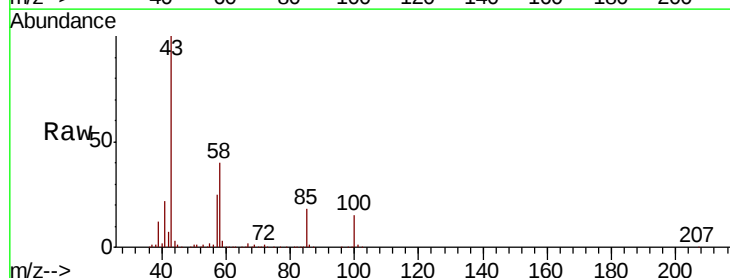
Tgt Ion: 43 Resp: 866119

Ion Ratio Lower Upper

43 100

58 40.1 31.6 47.4

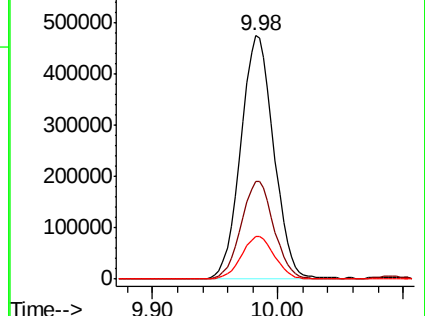
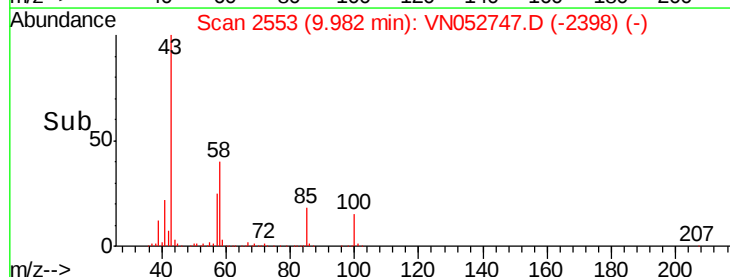
85 17.5 13.3 19.9

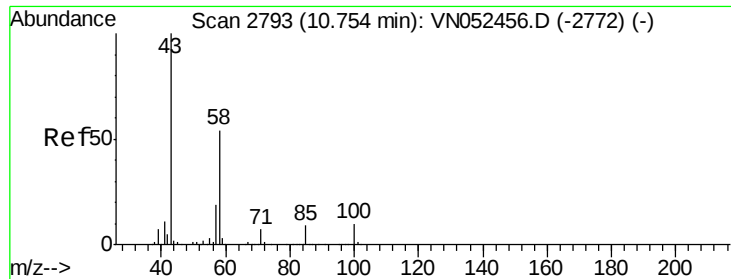


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

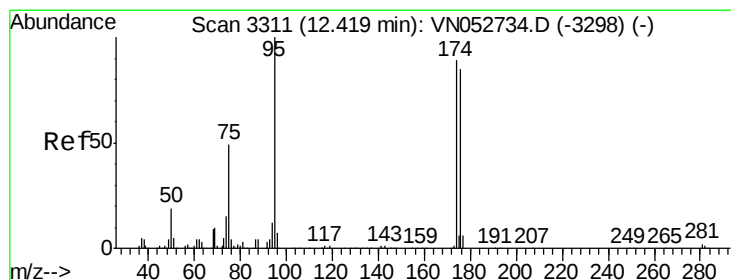
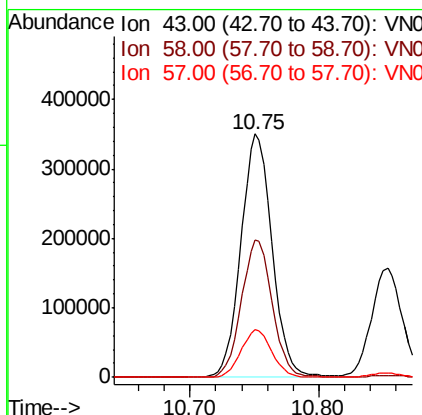
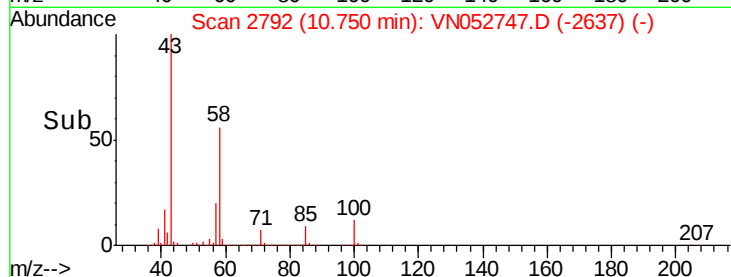
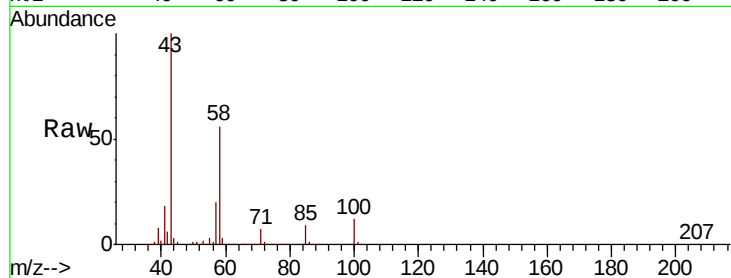




#59
2-Hexanone
Concen: 107.256 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

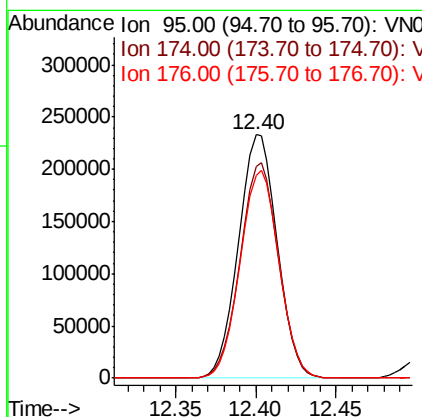
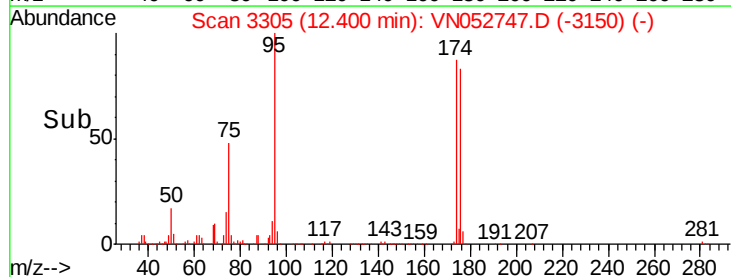
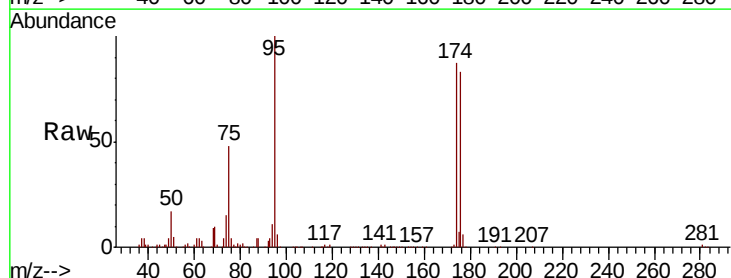
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

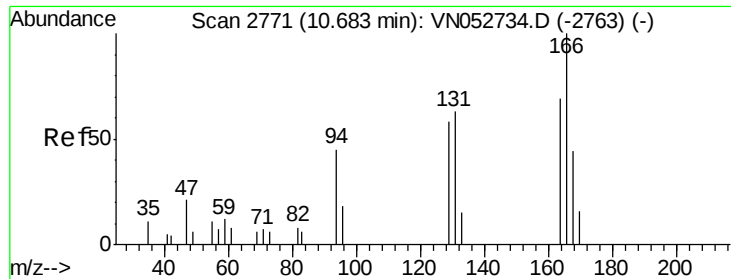
Tot Ion: 43 Resp: 588328
Ion Ratio Lower Upper
43 100
58 56.1 43.2 64.8
57 19.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 107.256 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 95 Resp: 384610
Ion Ratio Lower Upper
95 100
174 87.7 67.9 101.9
176 85.8 66.4 99.6





#61

Tetrachloroethene

Concen: 24.241 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:164 Resp: 247289

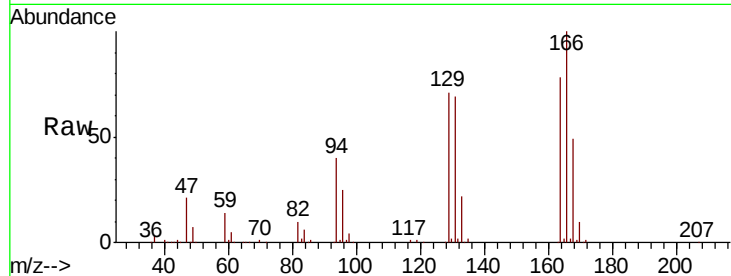
Ion Ratio Lower Upper

164 100

166 128.2 104.6 157.0

129 90.6 75.3 112.9

131 88.6 74.3 111.5

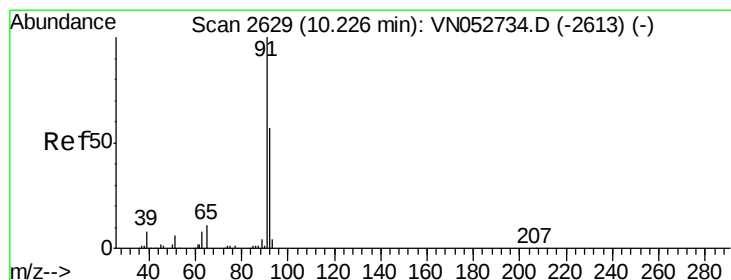
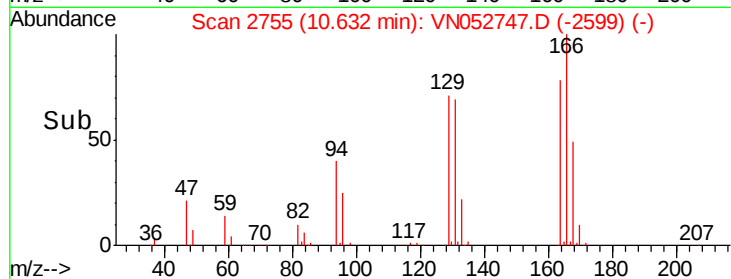
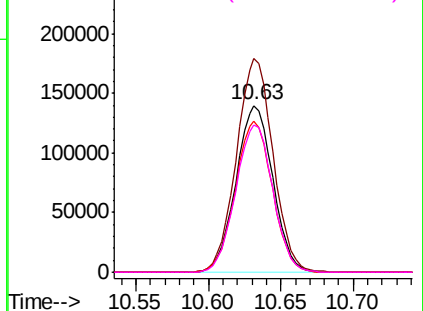


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.170 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052747.D

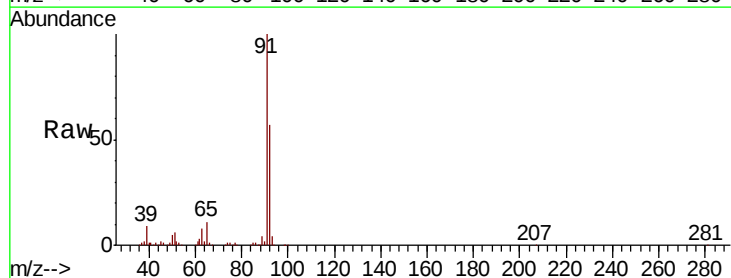
Acq: 10 Dec 2018 12:30

Tgt Ion: 91 Resp: 920950

Ion Ratio Lower Upper

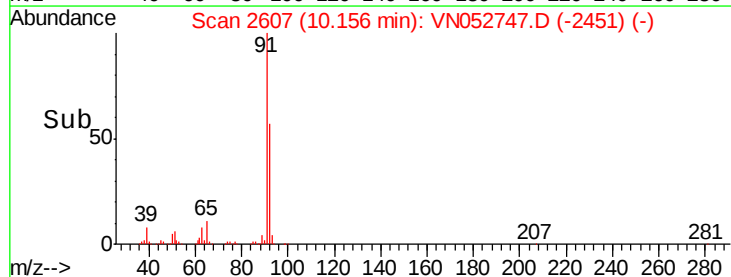
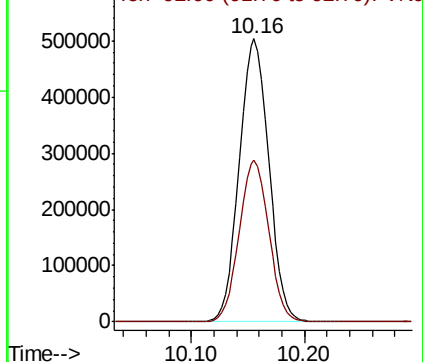
91 100

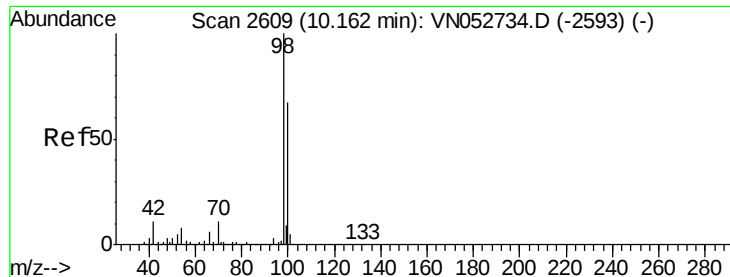
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.170 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

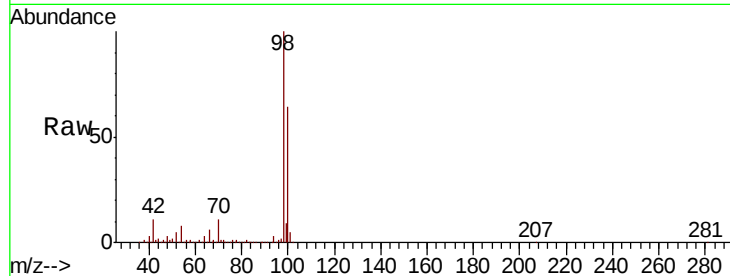
VN1210WBSD01

Tot Ion: 98 Resp: 1122903

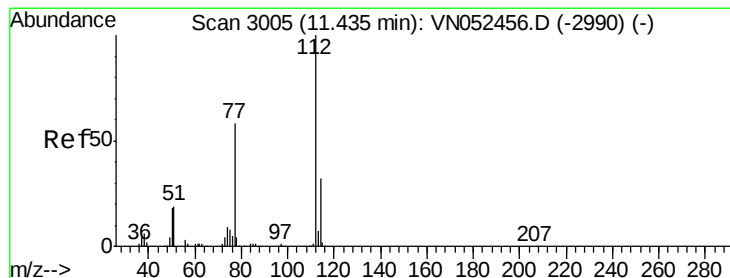
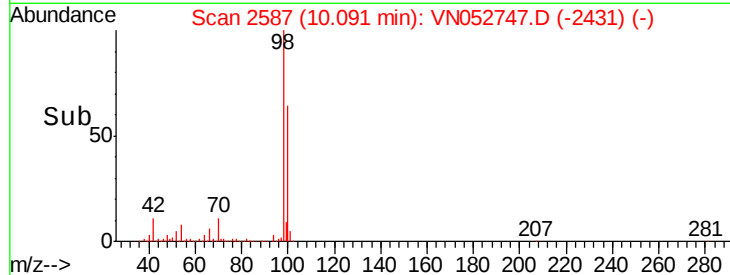
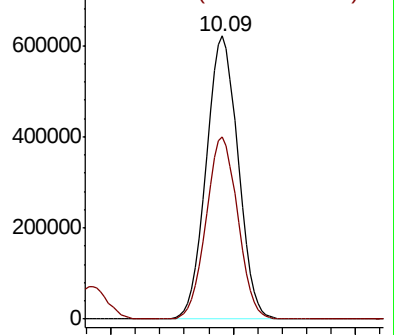
Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052734.D (-2593) (-)



#64

Chlorobenzene

Concen: 20.569 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052747.D

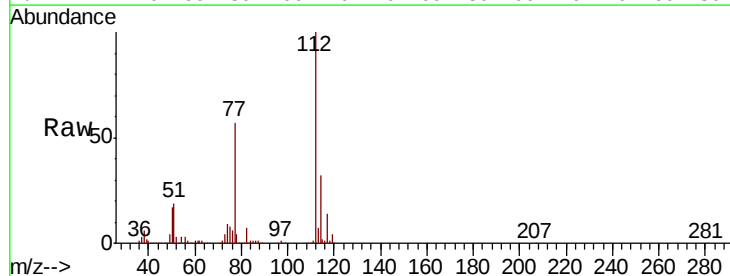
Acq: 10 Dec 2018 12:30

Tgt Ion: 112 Resp: 573241

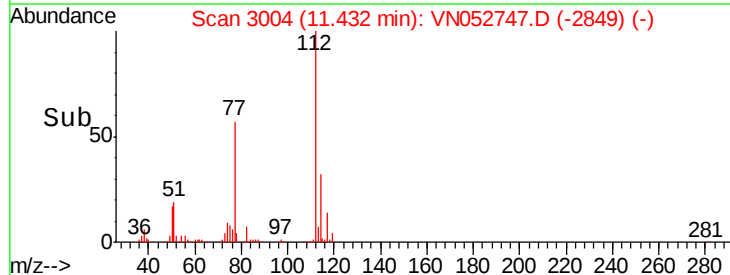
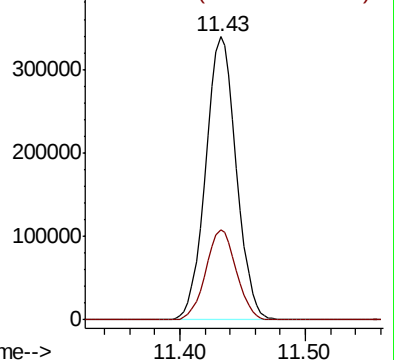
Ion Ratio Lower Upper

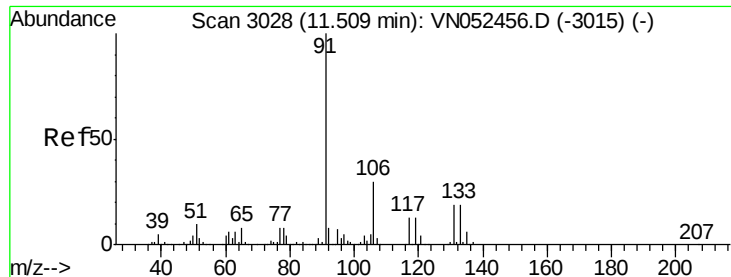
112 100

114 31.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.735 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

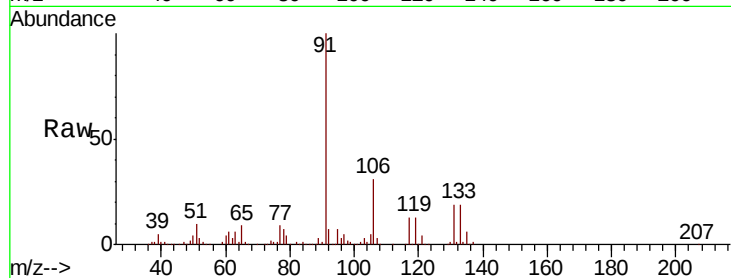
Tot Ion:131 Resp: 200588

Ion Ratio Lower Upper

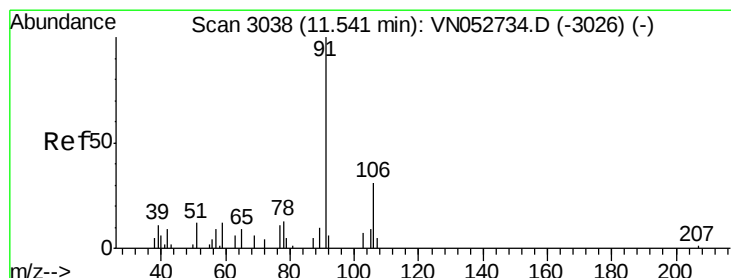
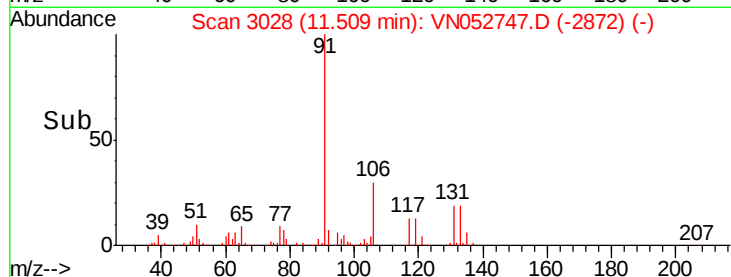
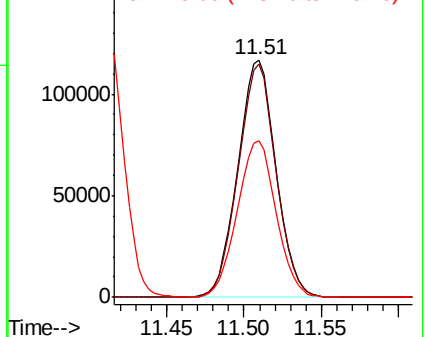
131 100

133 97.3 0.0 193.4

119 67.2 0.0 133.0



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: 20.218 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052747.D

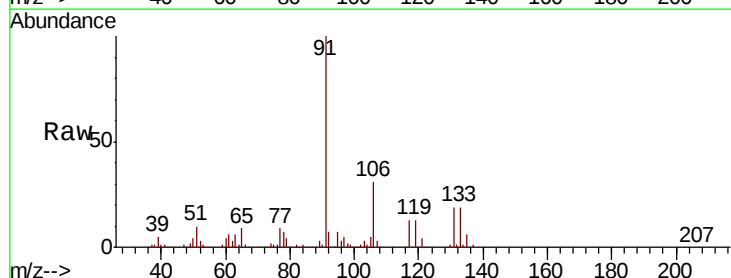
Acq: 10 Dec 2018 12:30

Tgt Ion: 91 Resp: 994954

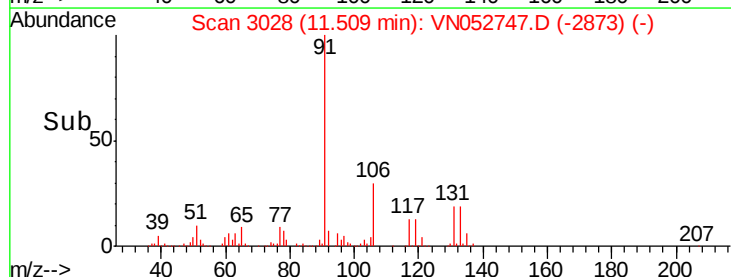
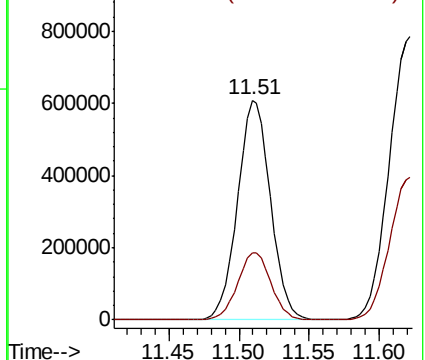
Ion Ratio Lower Upper

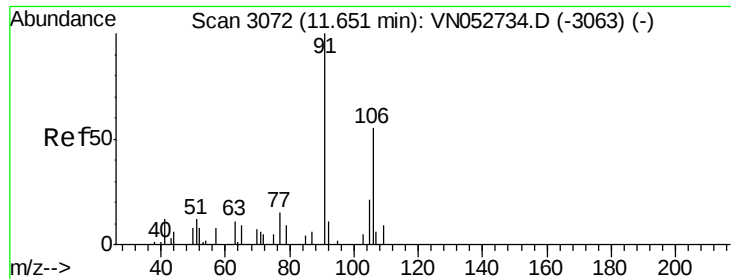
91 100

106 30.8 24.3 36.5



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





#67

m/p-Xylenes

Concen: 41.230 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

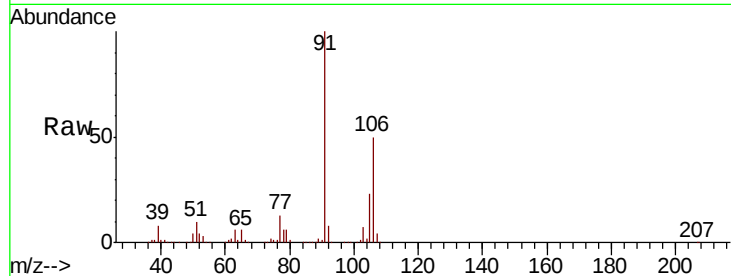
VN1210WBSD01

Tot Ion:106 Resp: 755900

Ion Ratio Lower Upper

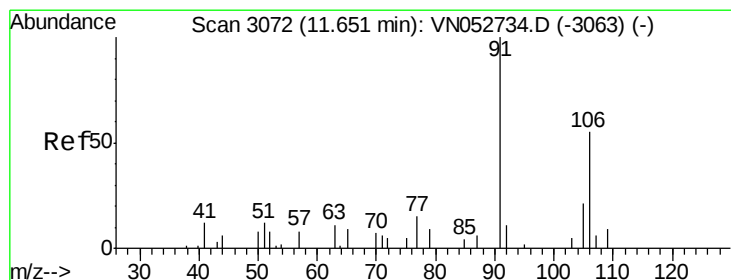
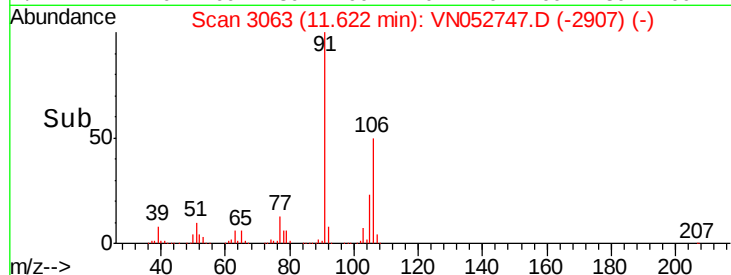
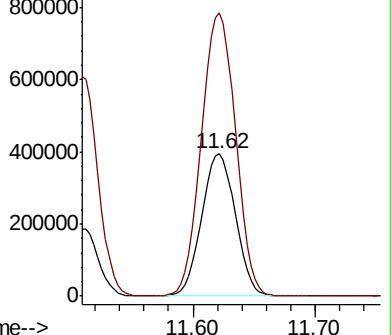
106 100

91 201.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.691 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052747.D

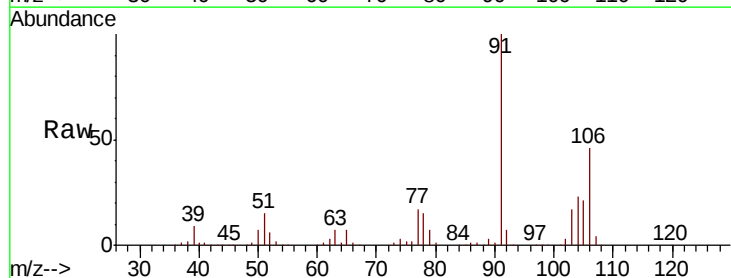
Acq: 10 Dec 2018 12:30

Tgt Ion:106 Resp: 368184

Ion Ratio Lower Upper

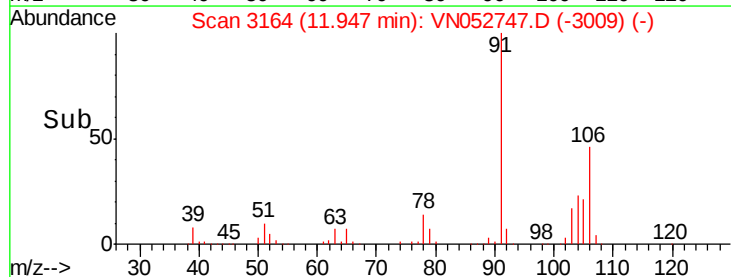
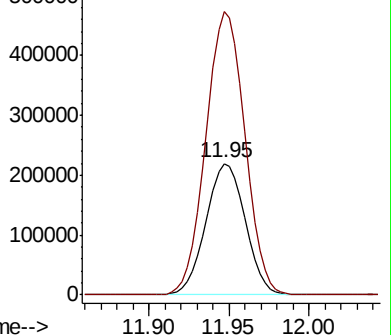
106 100

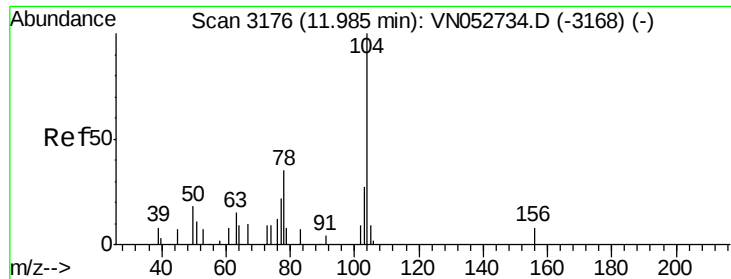
91 214.0 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

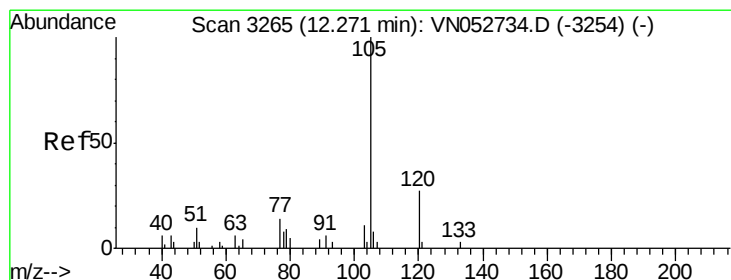
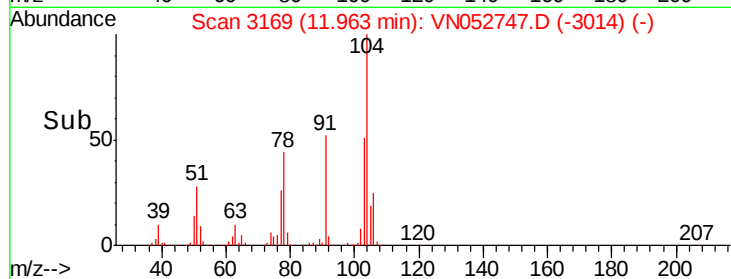
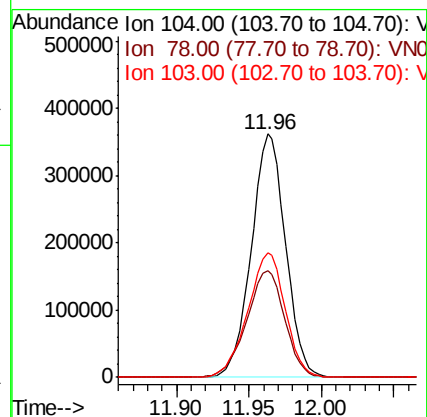
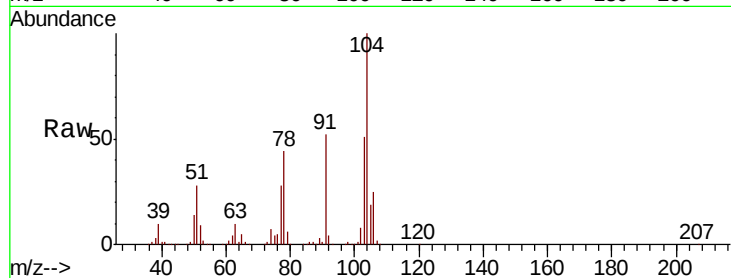




#69
Stvrene
Concen: 20.743 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

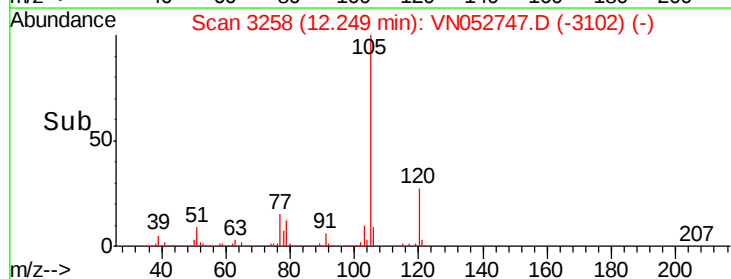
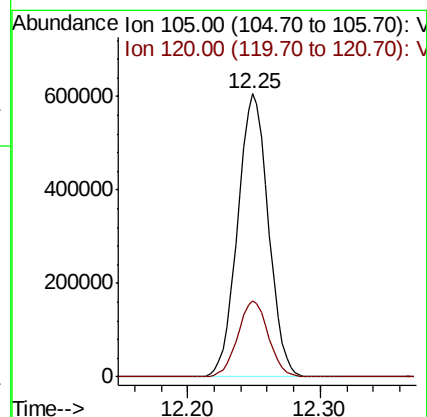
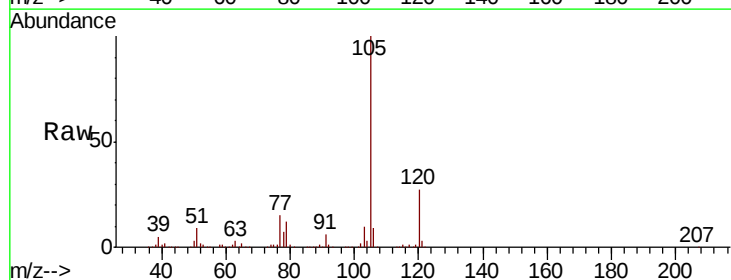
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

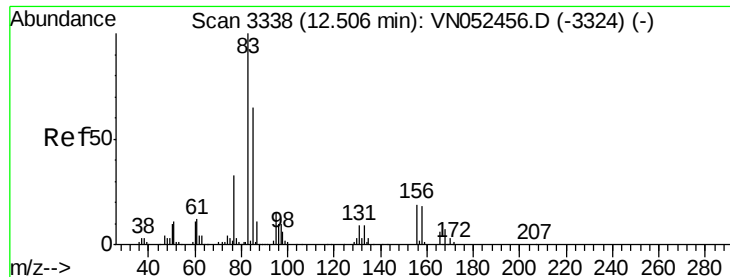
Tot Ion:104 Resp: 595788
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 56.0 44.6 66.8



#70
Isopropylbenzene
Concen: 20.542 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion:105 Resp: 972594
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6

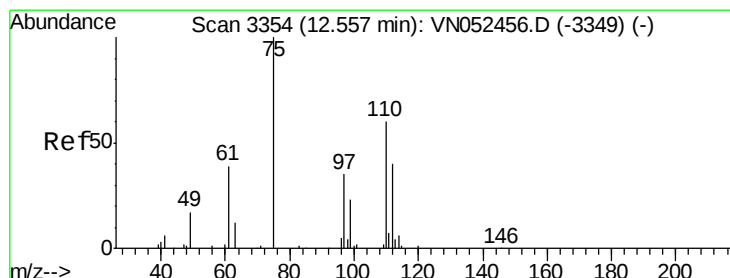
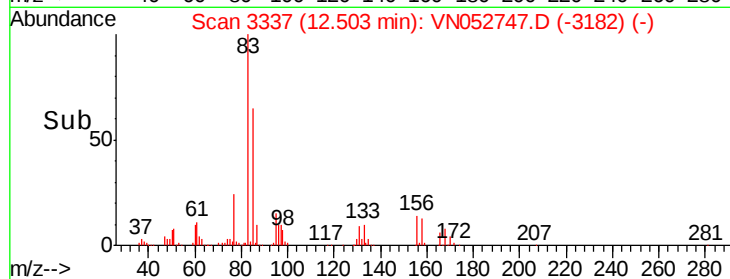
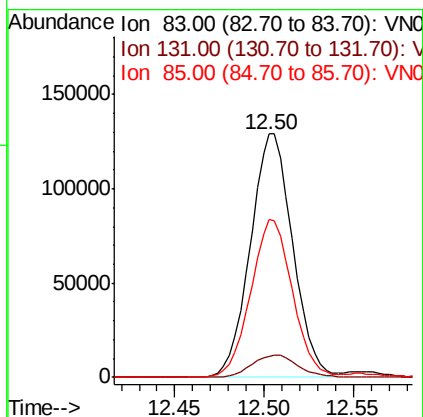
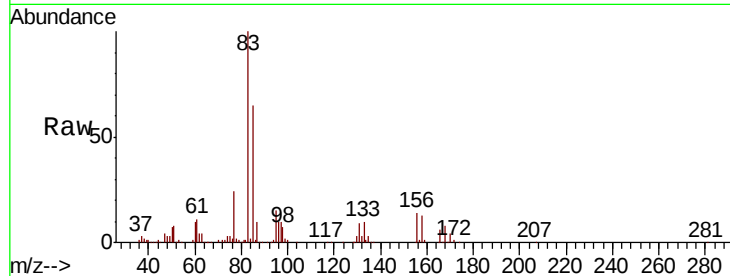




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.795 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

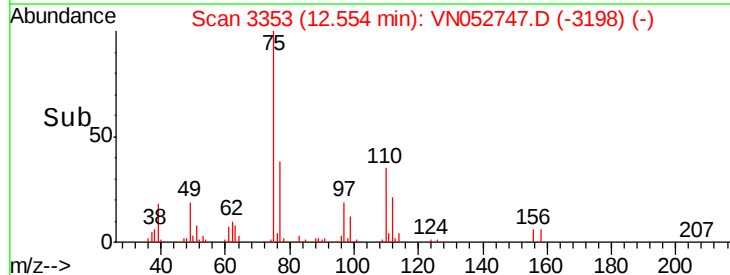
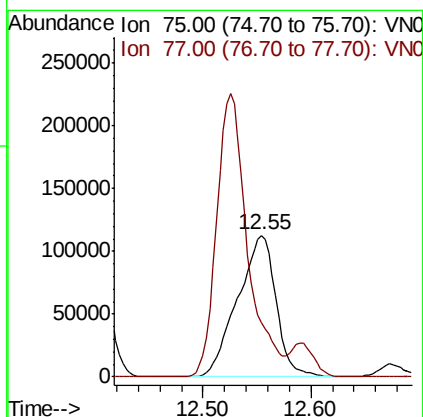
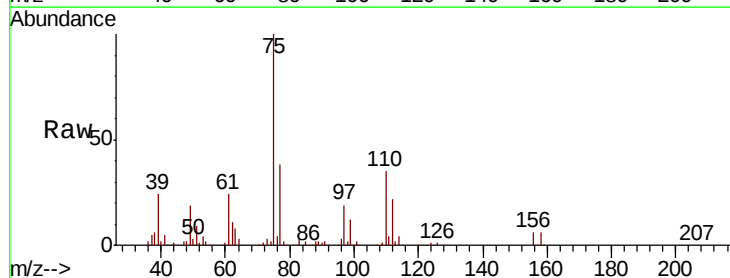
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

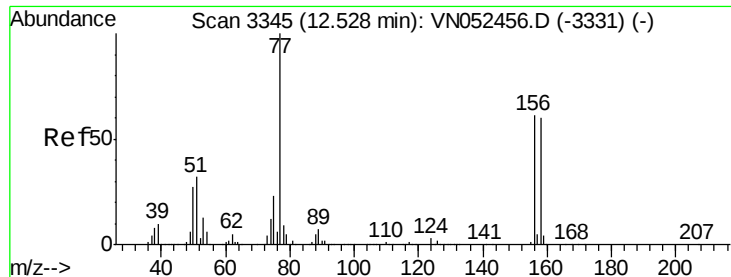
Tot Ion	83	Resp	214170
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.9	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.578 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	75	Resp	279185
Ion Ratio	Lower	Upper	
75	100		
77	160.3	0.0	514.8





#73

Bromobenzene

Concen: 21.511 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

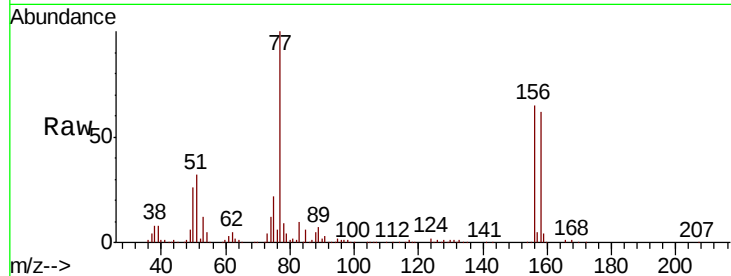
Tot Ion:156 Resp: 246321

Ion Ratio Lower Upper

156 100

77 181.7 0.0 382.6

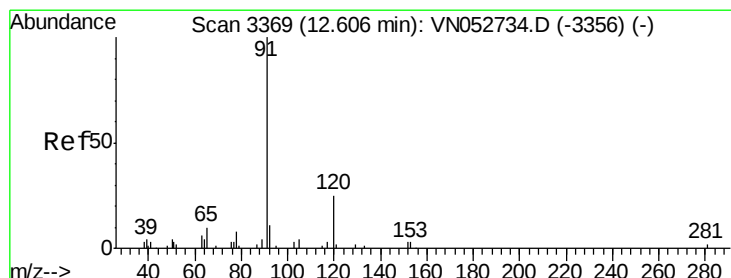
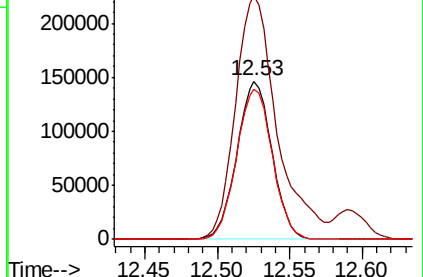
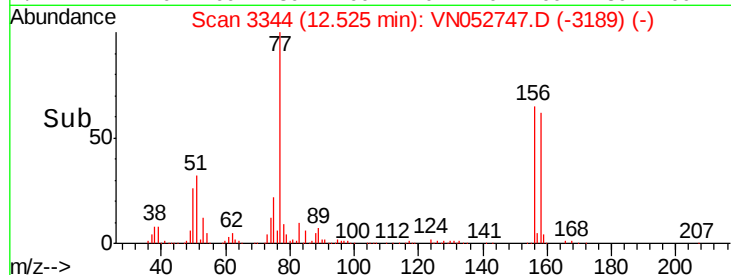
158 96.8 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.273 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052747.D

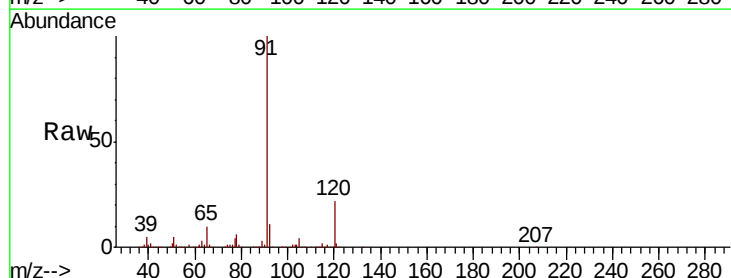
Acq: 10 Dec 2018 12:30

Tgt Ion: 91 Resp: 1118368

Ion Ratio Lower Upper

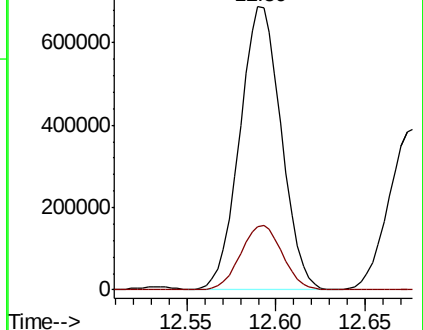
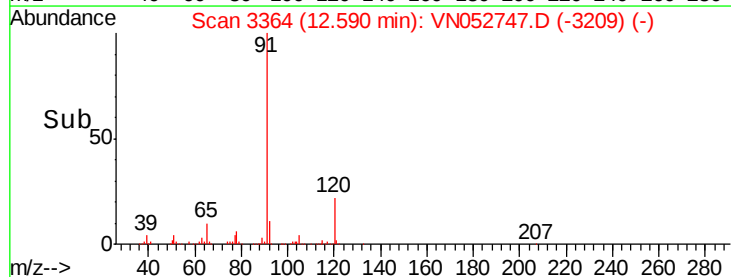
91 100

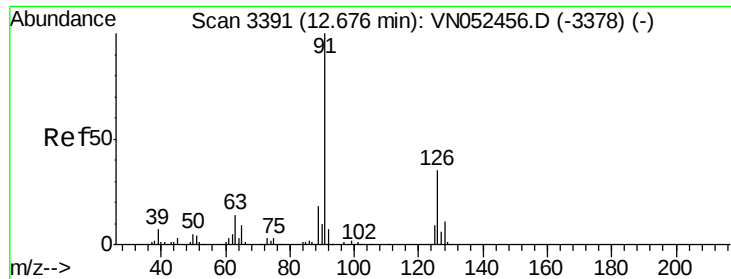
120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

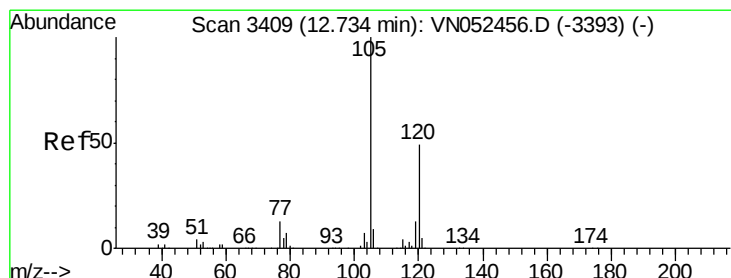
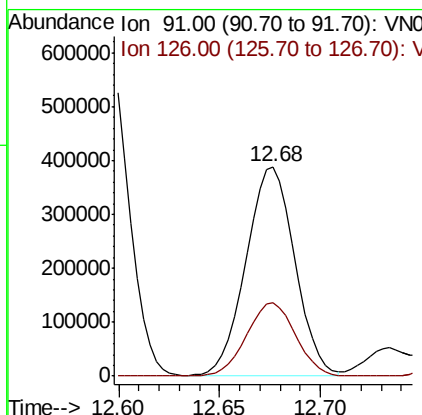
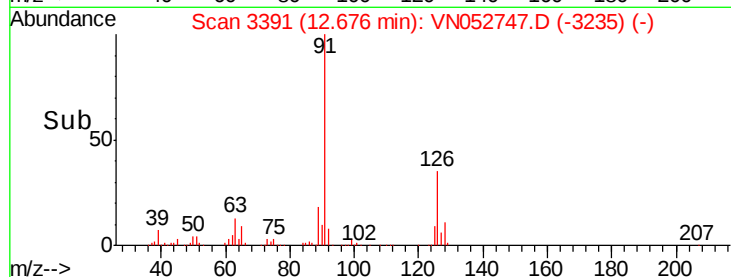
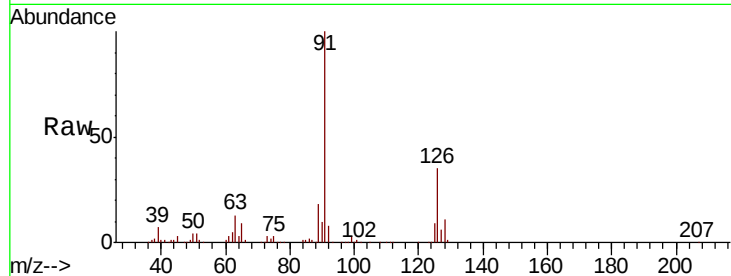




#75
 2-Chlorotoluene
 Concen: 20.526 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

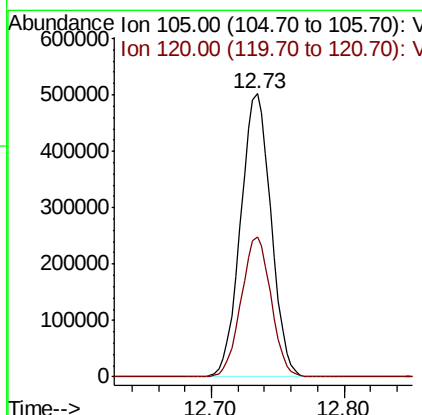
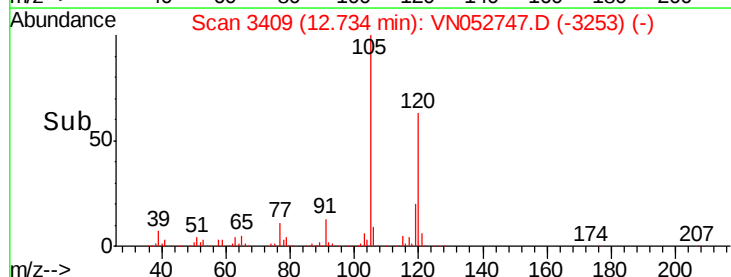
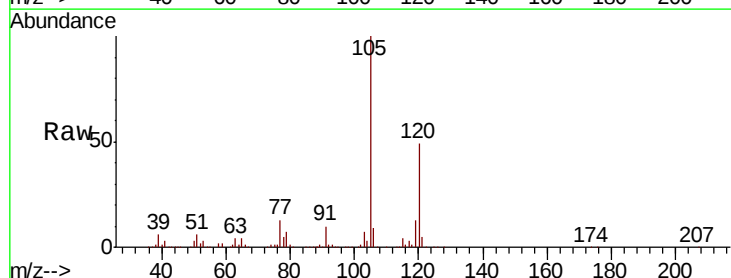
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

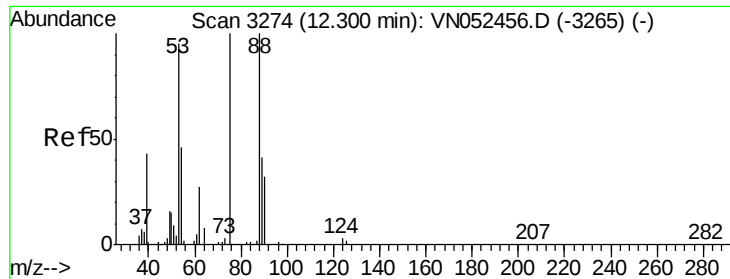
Tot Ion: 91 Resp: 657256
 Ion Ratio Lower Upper
 91 100
 126 35.2 0.0 68.4



#76
 1,3,5-Trimethylbenzene
 Concen: 20.838 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion: 105 Resp: 796865
 Ion Ratio Lower Upper
 105 100
 120 48.7 0.0 97.4



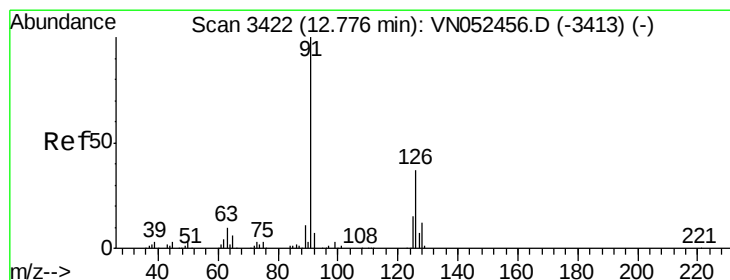
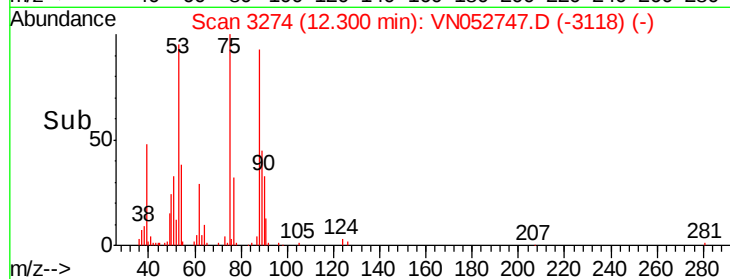
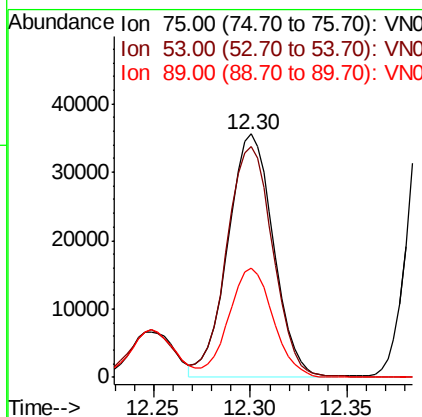
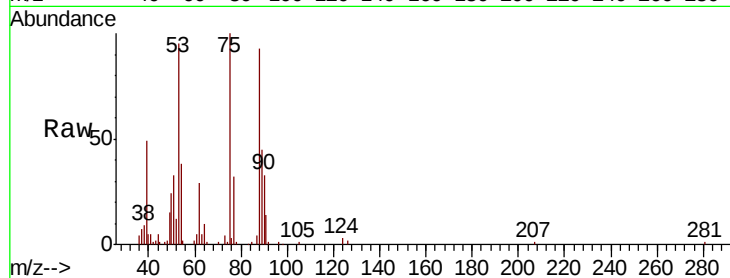


#77
t-1,4-Dichloro-2-butene
Concen: 20.962 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion: 75 Resp: 58545

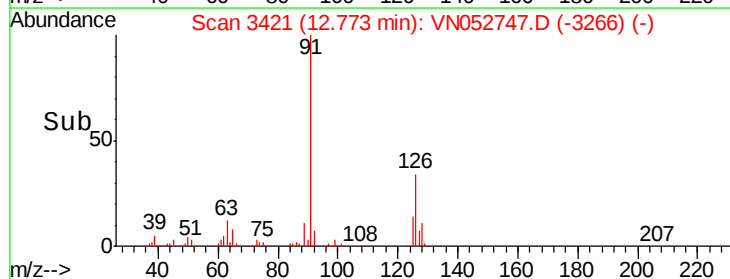
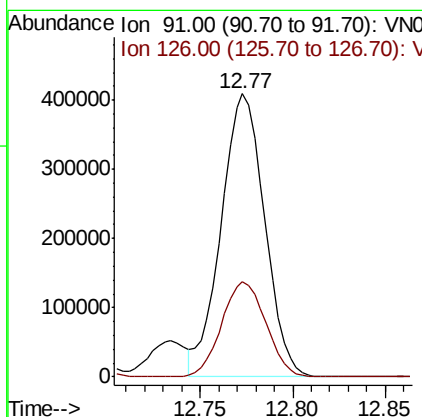
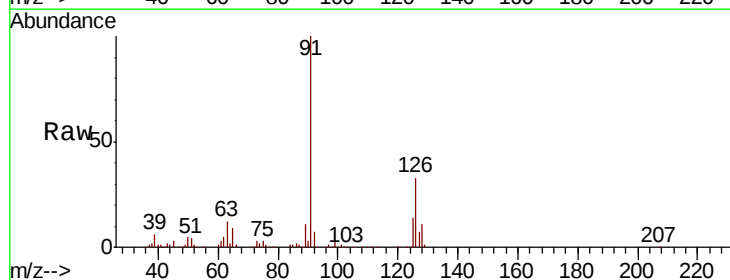
Ion	Ratio	Lower	Upper
75	100		
53	94.6	48.5	145.6
89	45.4	21.7	65.1



#78
4-Chlorotoluene
Concen: 20.773 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052747.D
Acq: 10 Dec 2018 12:30

Tgt Ion: 91 Resp: 664227

Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.2





#79

tert-butylbenzene

Concen: 21.131 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

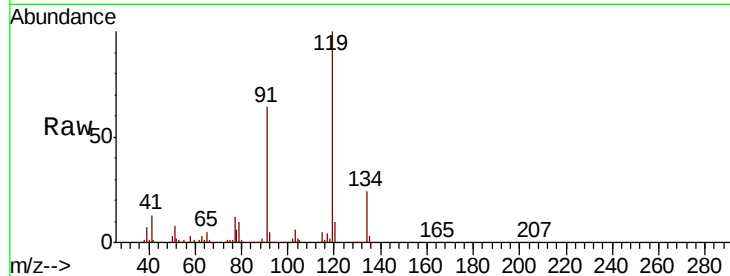
Tot Ion:119 Resp: 703745

Ion Ratio Lower Upper

119 100

91 63.8 0.0 129.8

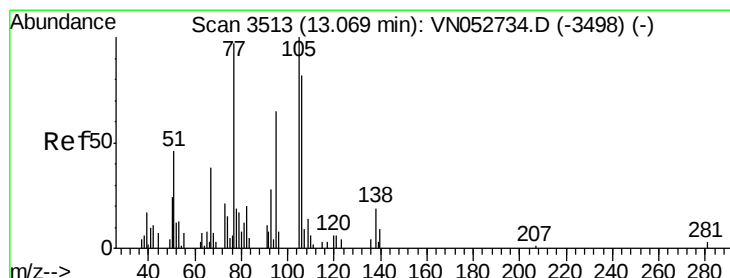
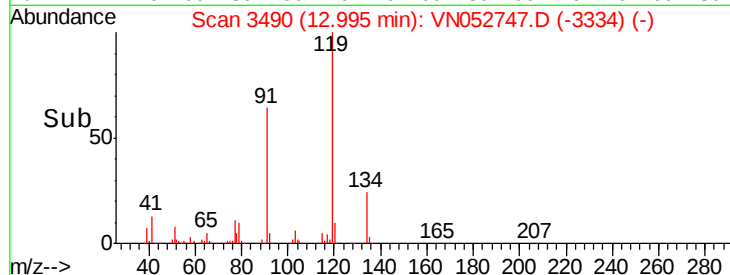
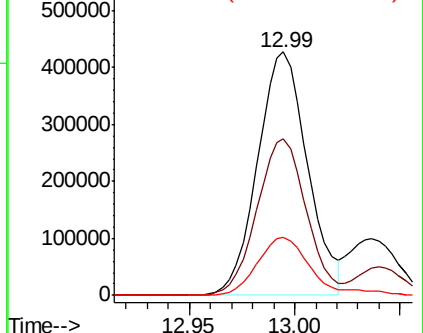
134 25.6 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 21.079 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052747.D

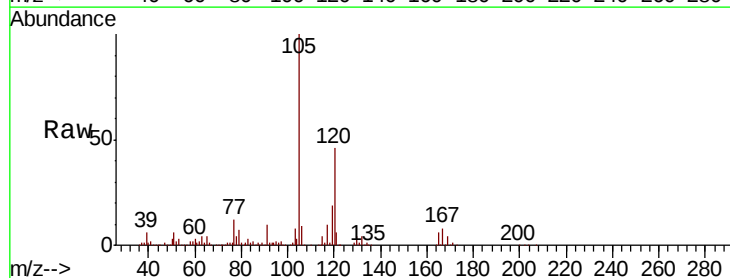
Acq: 10 Dec 2018 12:30

Tgt Ion:105 Resp: 806602

Ion Ratio Lower Upper

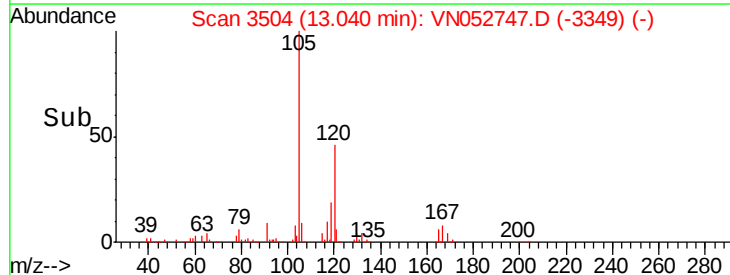
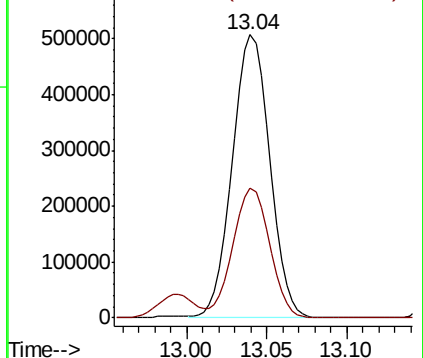
105 100

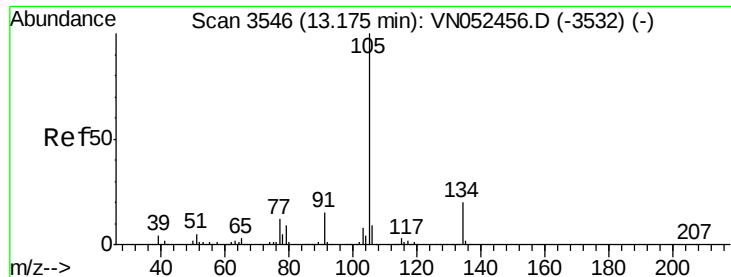
120 45.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.589 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

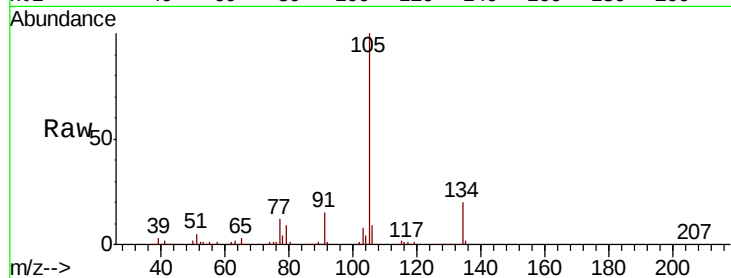
VN1210WBSD01

Tot Ion:105 Resp: 955105

Ion Ratio Lower Upper

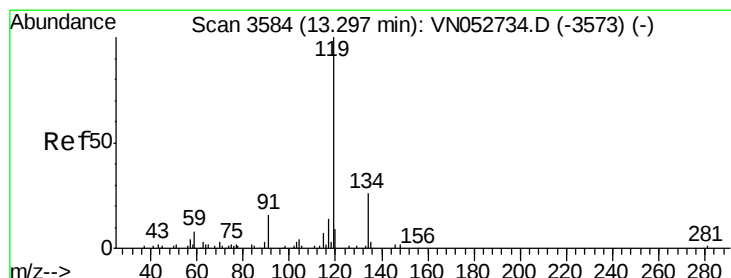
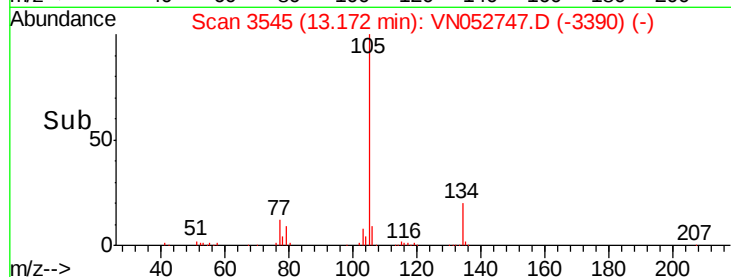
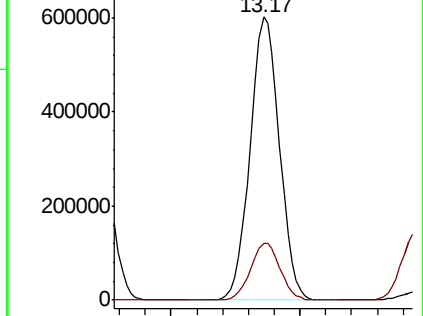
105 100

134 20.3 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.662 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

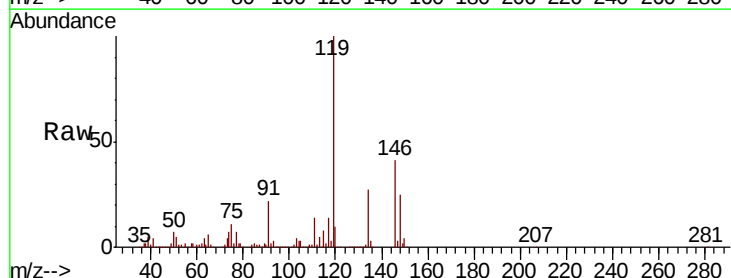
Tgt Ion:119 Resp: 816169

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

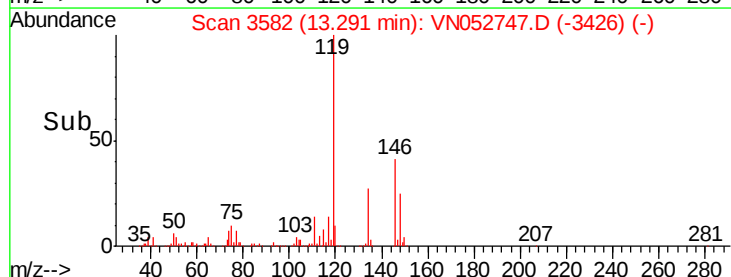
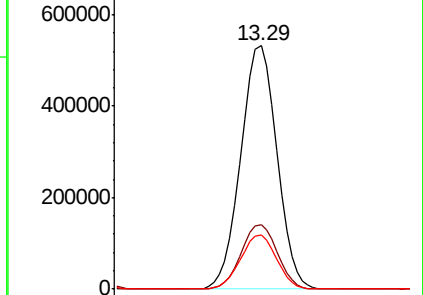
91 22.2 0.0 46.2

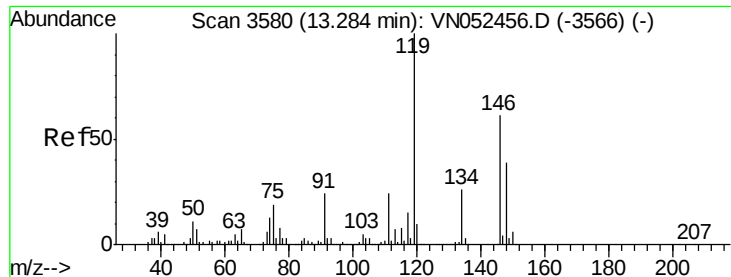


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

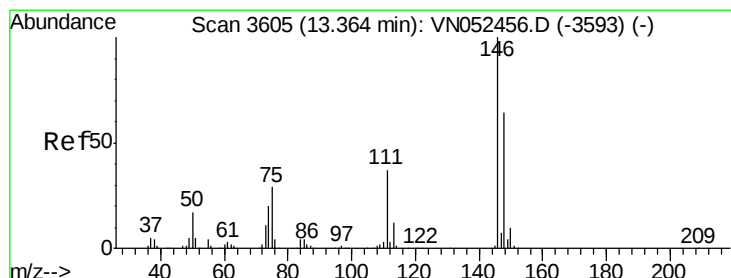
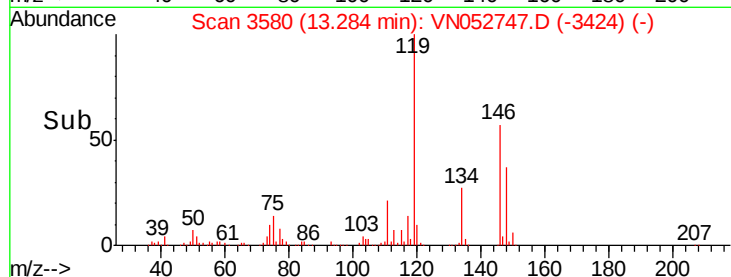
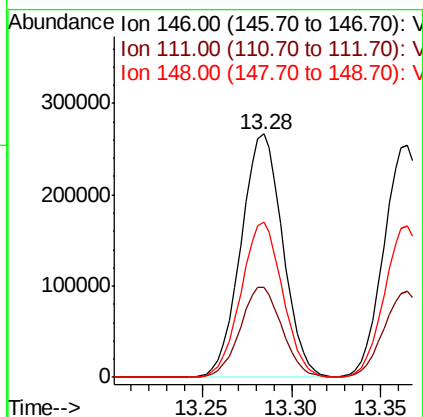
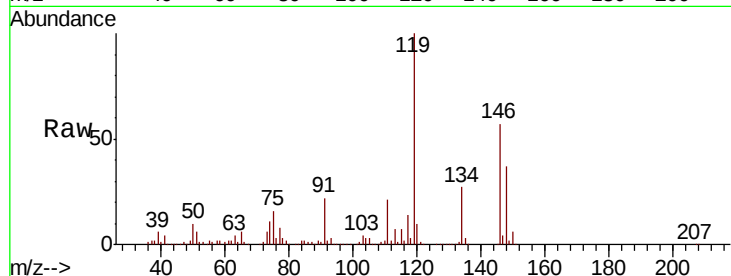




#83
 1,3-Dichlorobenzene
 Concen: 21.711 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

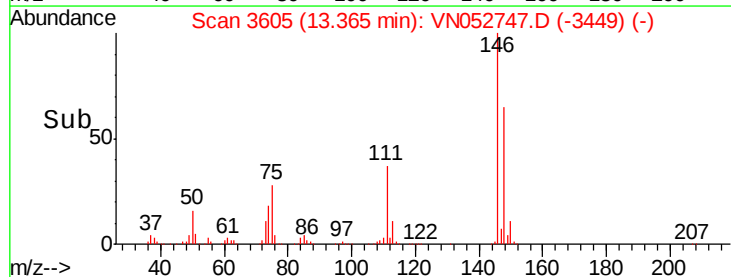
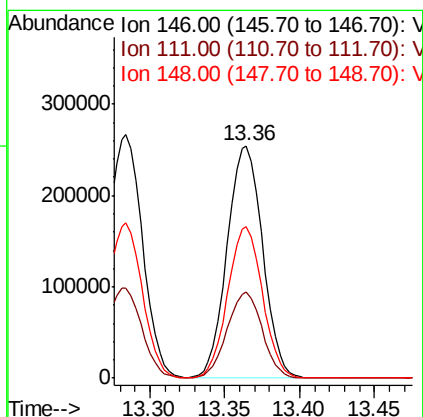
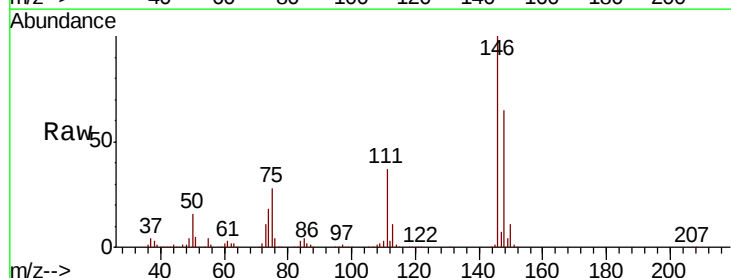
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

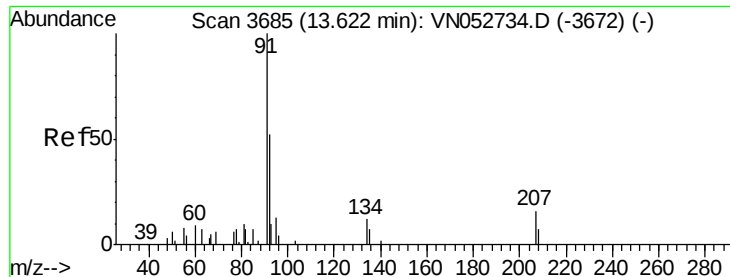
Tot Ion:146 Resp: 437244
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.7 59.0
 148 63.4 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 21.659 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion:146 Resp: 421448
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.8 56.3
 148 63.6 32.5 97.4





#85

n-Butylbenzene

Concen: 20.081 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

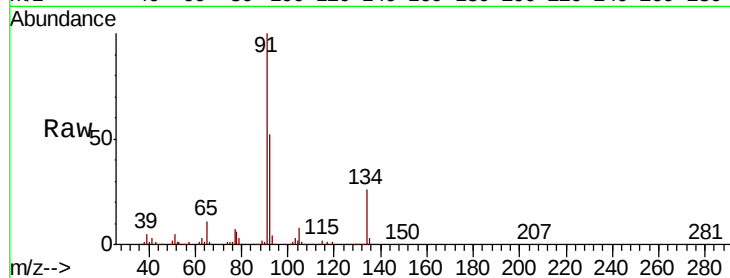
Tot Ion: 91 Resp: 681349

Ion Ratio Lower Upper

91 100

92 52.0 0.0 104.2

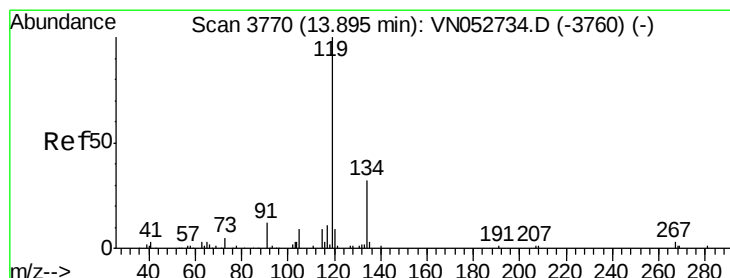
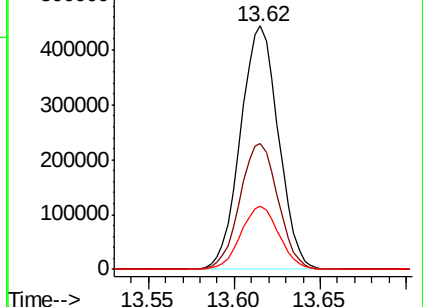
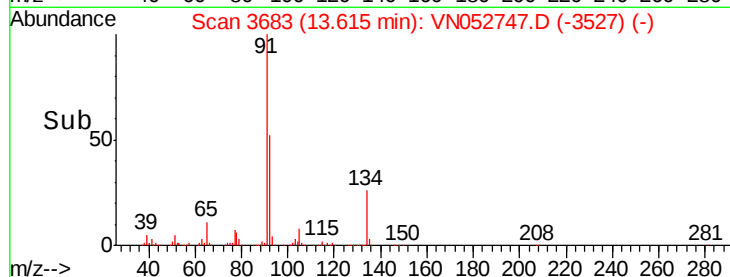
134 26.1 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052734.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN052734.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN052734.D (-3672) (-)



#86

Hexachloroethane

Concen: 19.812 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052747.D

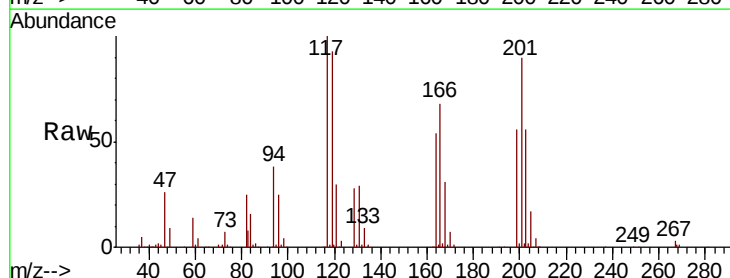
Acq: 10 Dec 2018 12:30

Tgt Ion: 117 Resp: 132600

Ion Ratio Lower Upper

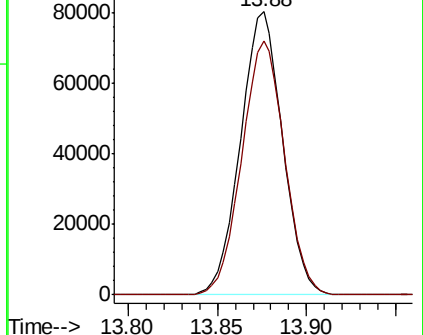
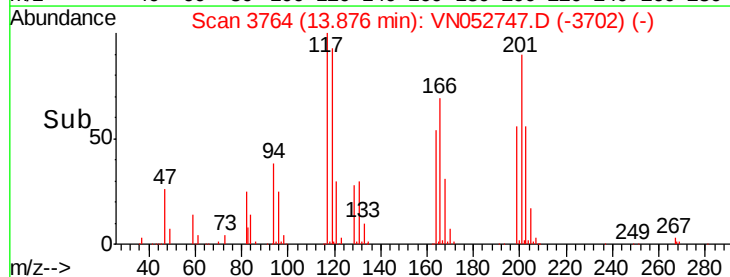
117 100

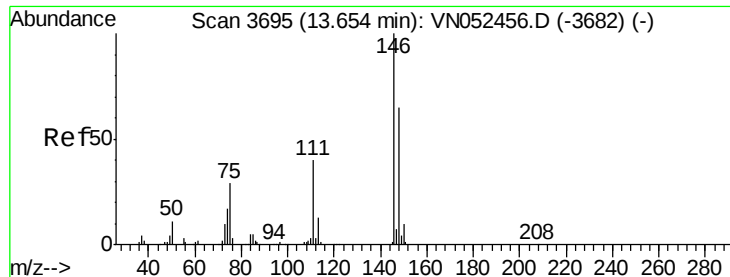
201 91.0 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052734.D (-3760) (-)

Ion 201.00 (200.70 to 201.70): VN052734.D (-3760) (-)

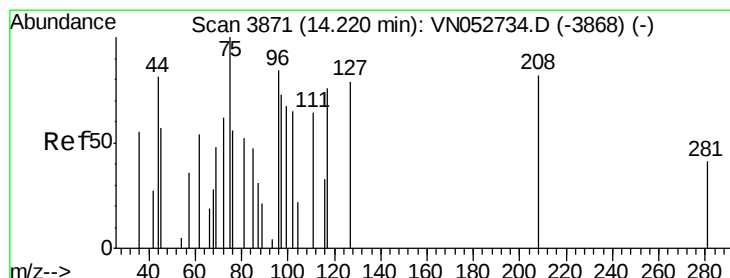
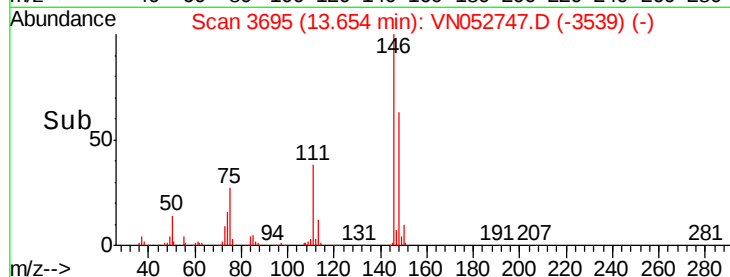
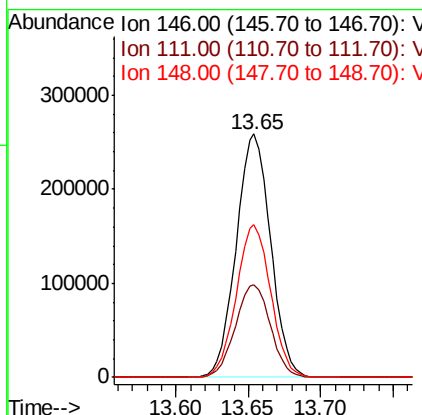
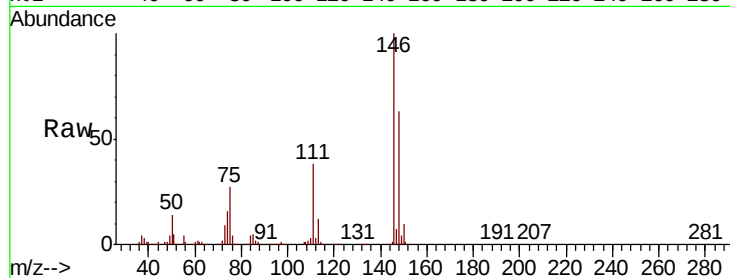




#87
 1,2-Dichlorobenzene
 Concen: 22.253 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

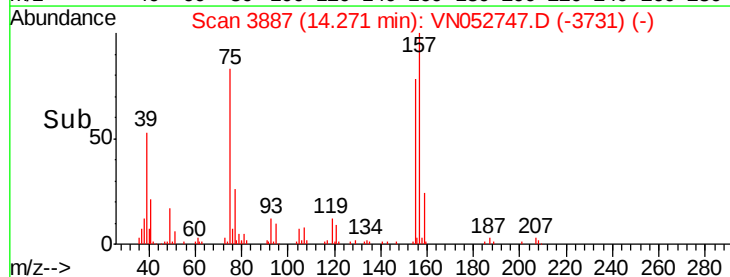
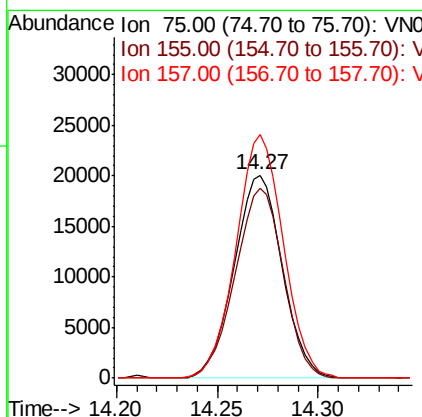
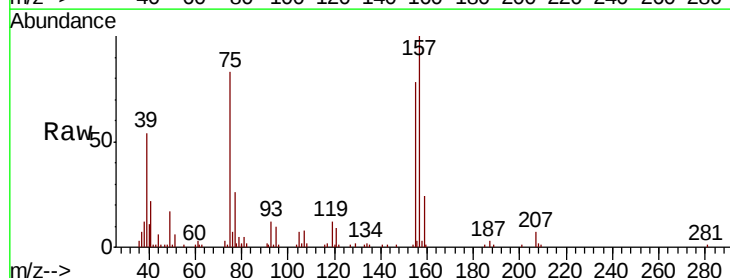
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

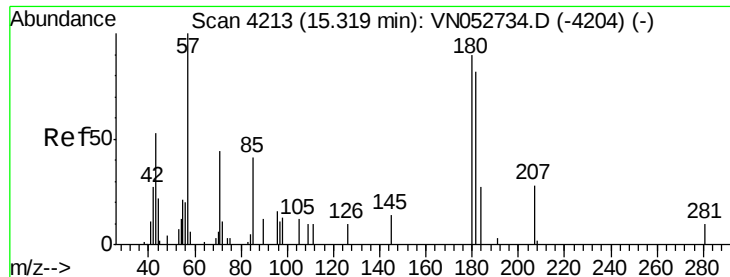
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	62.6	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.203 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	72.2	108.2
157	118.2	94.2	141.2

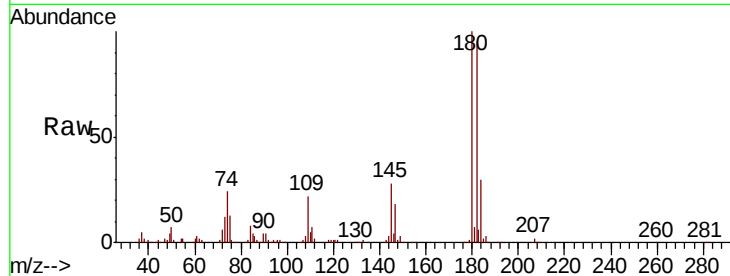




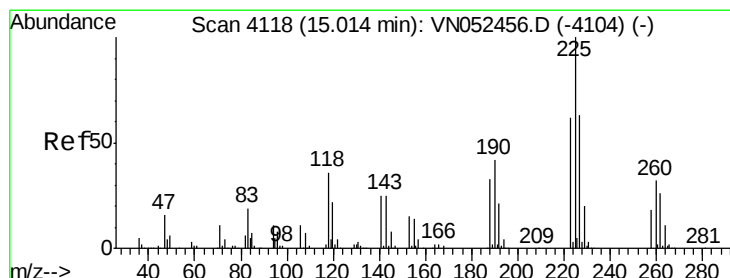
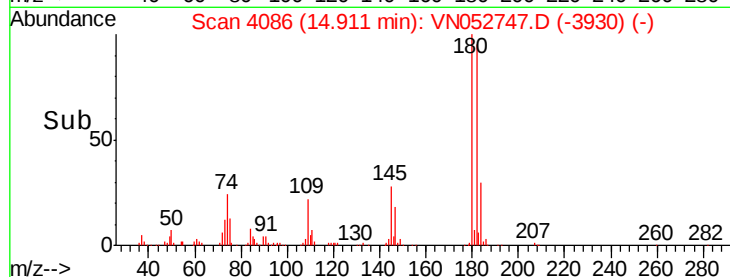
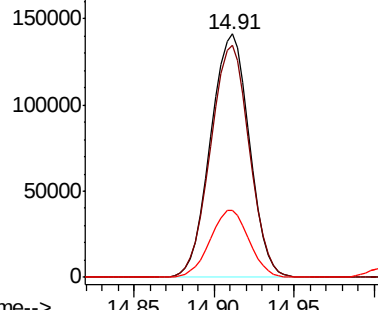
#89
 1,2,4-Trichlorobenzene
 Concen: 24.669 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion:180 Resp: 232926
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 145 27.6 23.6 35.4

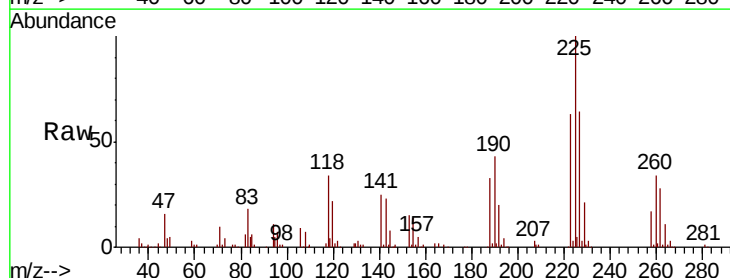


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

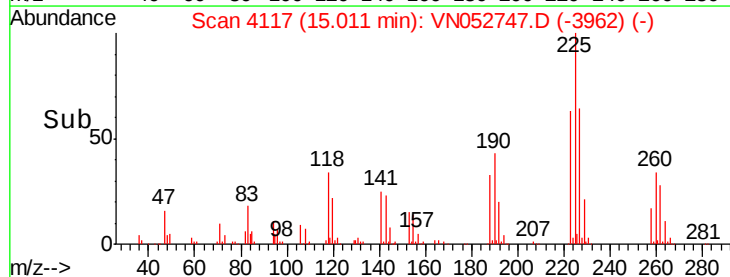
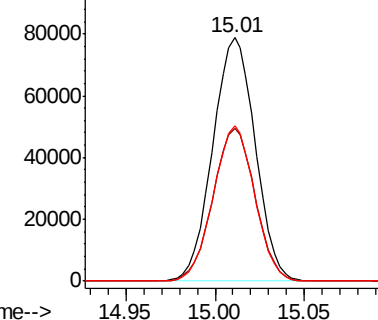


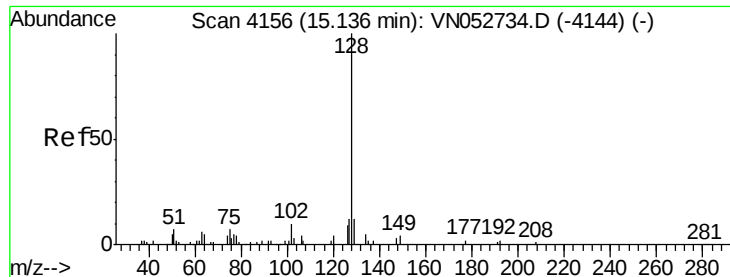
#90
 Hexachlorobutadiene
 Concen: 21.176 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052747.D
 Acq: 10 Dec 2018 12:30

Tgt Ion:225 Resp: 131162
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 125.6
 227 62.0 0.0 127.8



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: 26.484 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

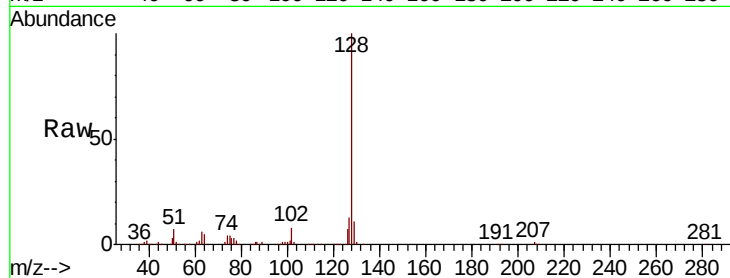
Tot Ion:128 Resp: 504990

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

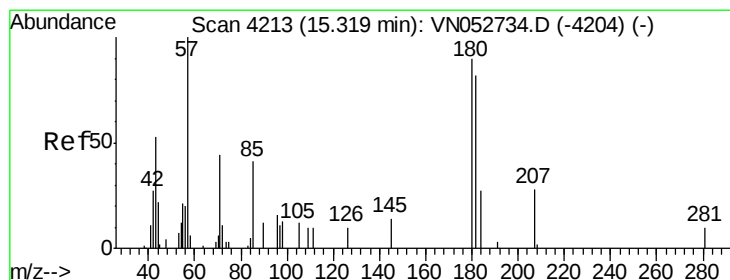
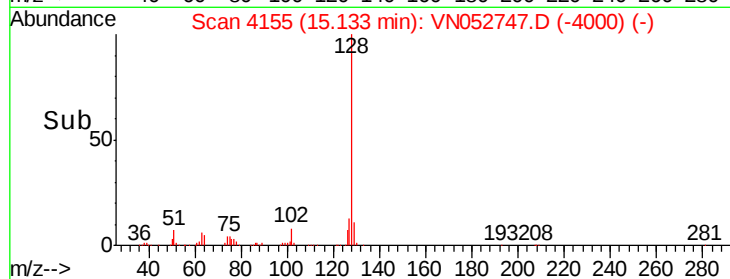
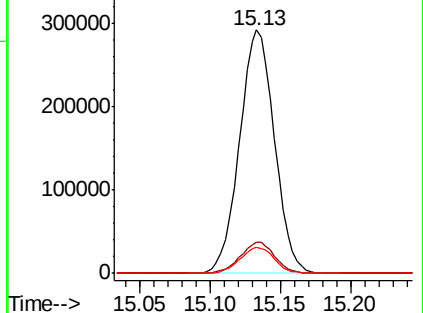
129 10.6 8.5 12.7



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: 24.791 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052747.D

Acq: 10 Dec 2018 12:30

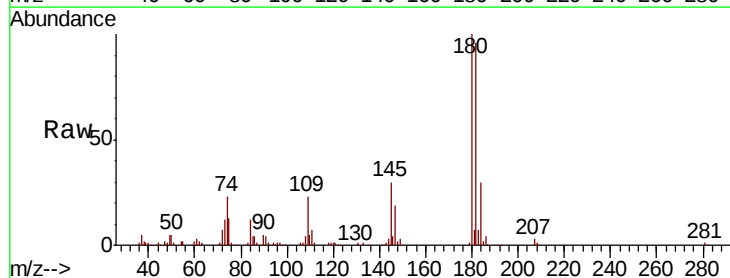
Tgt Ion:180 Resp: 215720

Ion Ratio Lower Upper

180 100

182 96.8 0.0 196.2

145 30.7 0.0 62.2



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

