

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052745.D
 Acq On : 10 Dec 2018 11:37
 Operator : MD\SY
 Sample : VN1210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Quant Time: Dec 11 00:47:31 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	7.19	128	170287	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000061	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	882484	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	340575	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	409633	30.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.20%
63) Toluene-d8	10.09	98	1188757	29.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	184024	18.975	ug/l 99
3) Chloromethane	2.06	50	232354	18.065	ug/l 100
4) Vinyl Chloride	2.19	62	246604	18.996	ug/l 97
5) Bromomethane	2.58	94	133501	18.036	ug/l 98
6) Chloroethane	2.71	64	151963	19.684	ug/l 97
7) Trichlorofluoromethane	3.03	101	319689	19.954	ug/l 99
8) Diethyl Ether	3.41	74	120996	20.453	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	205761	20.259	ug/l 97
10) 1,1-Dichloroethene	3.74	96	191106	20.013	ug/l 97
11) Methyl Iodide	3.96	142	211215	15.930	ug/l 99
12) Methyl Acetate	4.33	43	170422	21.004	ug/l 99
13) Acrolein	3.61	56	15298	16.051	ug/l 95
14) Acrylonitrile	4.99	53	351906	101.792	ug/l 99
15) Acetone	3.82	58	80713	90.151	ug/l 97
16) Carbon Disulfide	4.06	76	560818	18.550	ug/l 100
17) Allyl chloride	4.33	41	304369	18.276	ug/l 98
18) Methylene Chloride	4.55	84	221292	20.014	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	207197	20.162	ug/l 96
20) Diisopropyl ether	5.95	45	688880	19.684	ug/l 96
21) 1,1-Dichloroethane	5.85	63	397674	19.937	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	241308	20.488	ug/l 98
23) tert-Butyl Alcohol	4.77	59	61132	118.869	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	530428	21.173	ug/l 97
25) Chloroform	7.37	83	392737	20.409	ug/l 100
26) Cyclohexane	7.65	56	366694	19.491	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	305456	20.001	ug/l 99
30) 2-Butanone	6.83	43	400898	98.102	ug/l 98
31) 2,2-Dichloropropane	6.82	77	292792	20.825	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	323294	20.345	ug/l 97
33) Carbon Tetrachloride	7.77	117	283410	20.383	ug/l 98
34) Benzene	8.04	78	904201	19.692	ug/l 98
35) Methacrylonitrile	7.17	41	88636	17.482	ug/l 97
36) 1,2-Dichloroethane	8.12	62	281037	20.198	ug/l 100
37) Trichloroethene	8.84	130	248917	21.379	ug/l 96
38) Methylcyclohexane	9.08	83	375028	19.837	ug/l 97
39) 1,2-Dichloropropane	9.12	63	244632	19.876	ug/l 98
40) Dibromomethane	9.21	93	140055	21.057	ug/l 97

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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	295430	20.104	ug/l	100
42) Vinyl Acetate	5.90	43	2033116	91.952	ug/l	98
43) Ethyl Acetate	6.92	43	167172	19.238	ug/l #	69
44) Isopropyl Acetate	8.16	43	323014	21.195	ug/l #	79
45) 1,4-Dioxane	9.20	88	37717	452.396	ug/l	90
46) Methyl methacrylate	9.20	41	163581	20.673	ug/l	99
47) n-amyl Acetate	12.07	43	280172	22.173	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	290822	20.411	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	348513	20.076	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	197939	20.995	ug/l	100
51) Ethyl methacrylate	10.43	69	249523	21.073	ug/l	96
52) 1,3-Dichloropropane	10.71	76	339168	20.211	ug/l	100
53) Dibromochloromethane	10.90	129	214562	20.671	ug/l	98
54) 1,2-Dibromoethane	11.00	107	193387	20.991	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	722515	104.241	ug/l	98
56) Bromoform	12.13	173	139941	20.626	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	896592	104.798	ug/l	98
59) 2-Hexanone	10.75	43	620786	106.220	ug/l	98
61) Tetrachloroethene	10.63	164	270691	24.905	ug/l	97
62) Toluene	10.16	91	981621	20.178	ug/l	99
64) Chlorobenzene	11.43	112	612184	20.617	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	217370	21.090	ug/l	99
66) Ethyl Benzene	11.51	91	1071411	20.434	ug/l	100
67) m/p-Xylenes	11.62	106	808102	41.369	ug/l	99
68) o-Xylene	11.95	106	396782	20.928	ug/l	98
69) Styrene	11.96	104	637387	20.828	ug/l	99
70) Isopropylbenzene	12.25	105	1049514	20.805	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219192	19.975	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	288188	30.594	ug/l	47
73) Bromobenzene	12.53	156	266378	21.833	ug/l	93
74) n-propylbenzene	12.59	91	1219925	20.755	ug/l	98
75) 2-Chlorotoluene	12.68	91	711364	20.851	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	858407	21.068	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	60542	20.345	ug/l	97
78) 4-Chlorotoluene	12.77	91	726696	21.330	ug/l	99
79) tert-butylbenzene	12.99	119	759802	21.412	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	866195	21.246	ug/l	100
81) sec-Butylbenzene	13.17	105	1038287	21.007	ug/l	100
82) p-Isopropyltoluene	13.29	119	901725	21.426	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	467229	21.774	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	458338	22.108	ug/l	99
85) n-Butylbenzene	13.62	91	764573	21.149	ug/l	99
86) Hexachloroethane	13.88	117	142986	20.052	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	449749	22.025	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34417	22.391	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	256312	25.478	ug/l	99
90) Hexachlorobutadiene	15.01	225	147668	22.376	ug/l	100
91) Naphthalene	15.13	128	525435	25.863	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	239773	25.862	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
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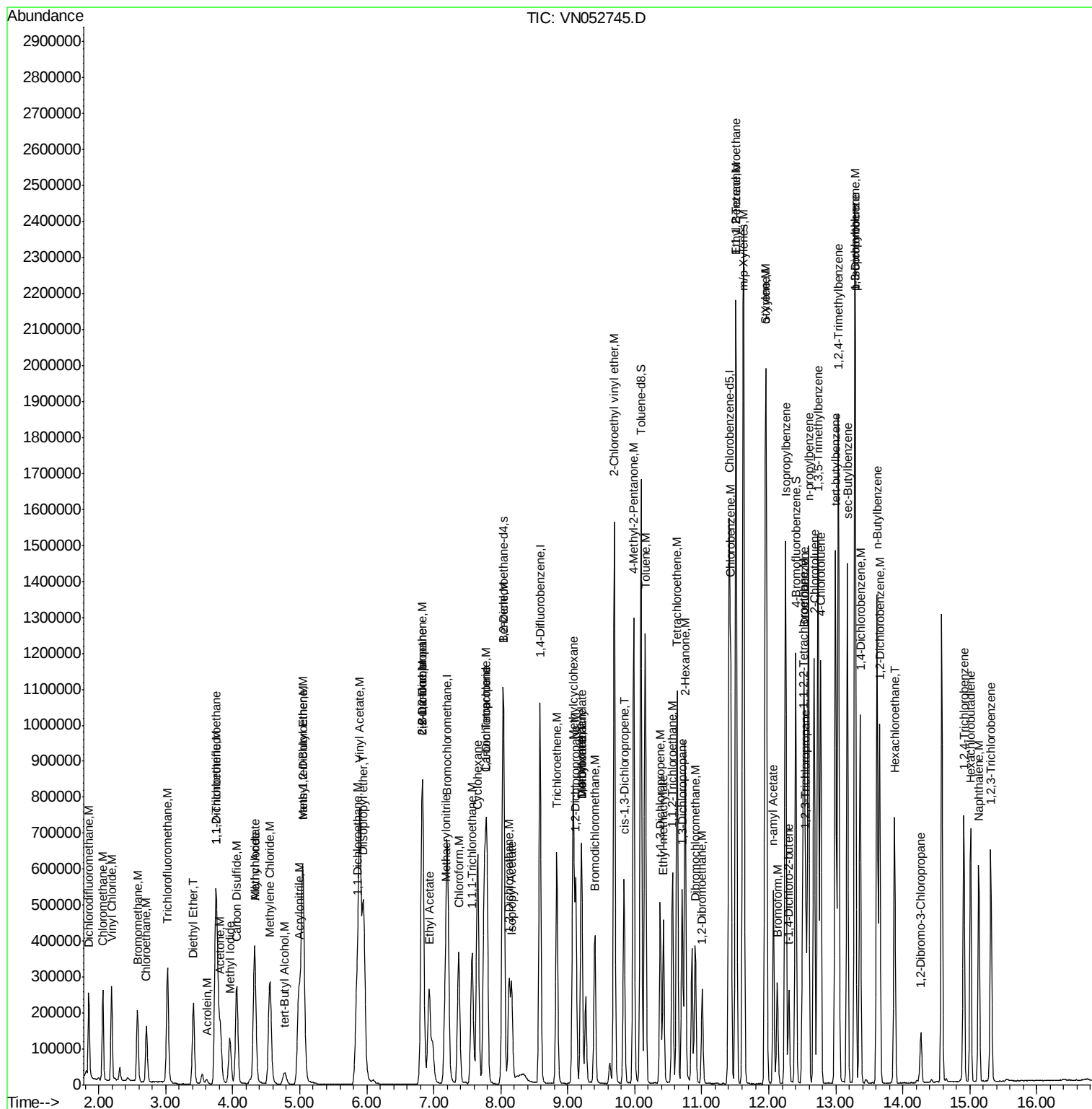
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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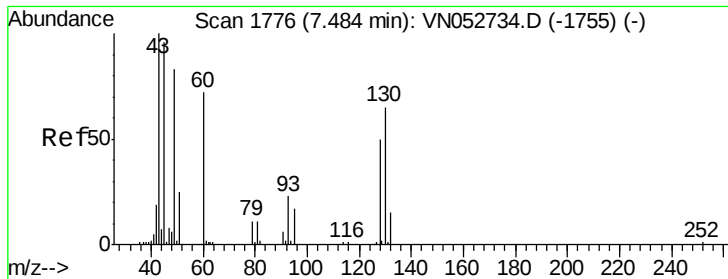
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Dec 11 00:47:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

VN1210WBS01

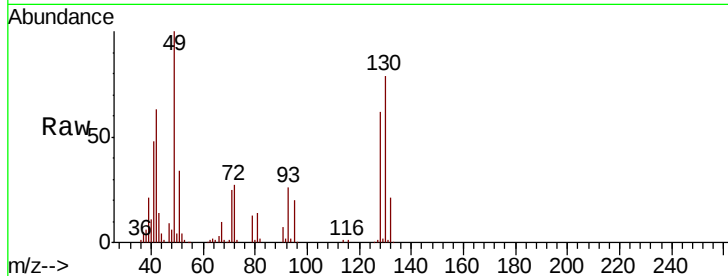
Tot Ion:128 Resp: 170287

Ion Ratio Lower Upper

128 100

49 160.7 0.0 431.8

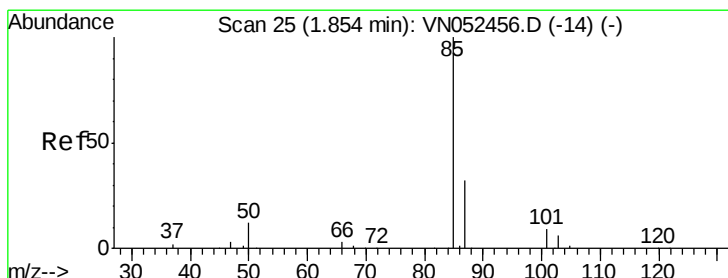
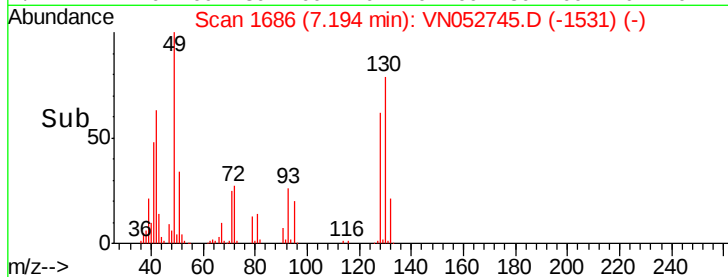
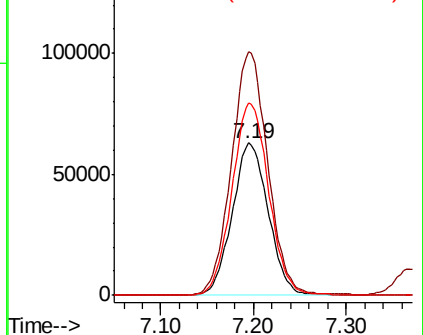
130 128.3 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.975 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052745.D

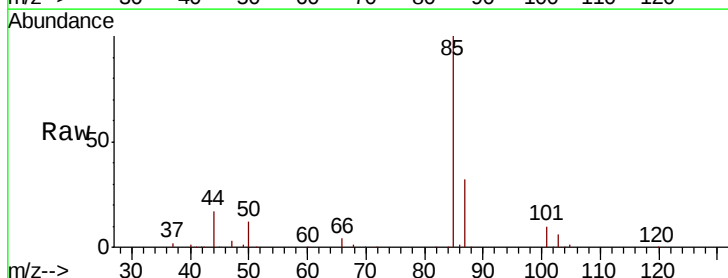
Acq: 10 Dec 2018 11:37

Tgt Ion: 85 Resp: 184024

Ion Ratio Lower Upper

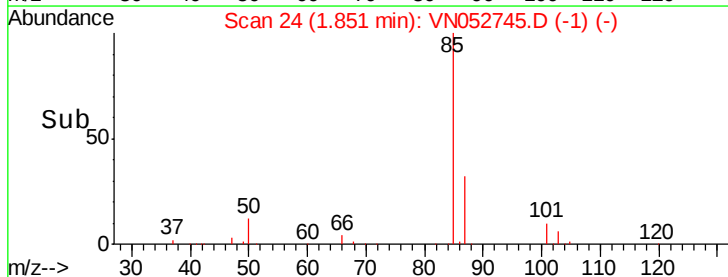
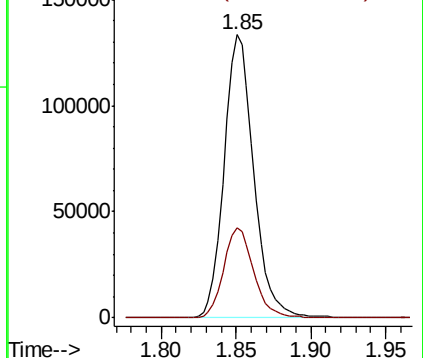
85 100

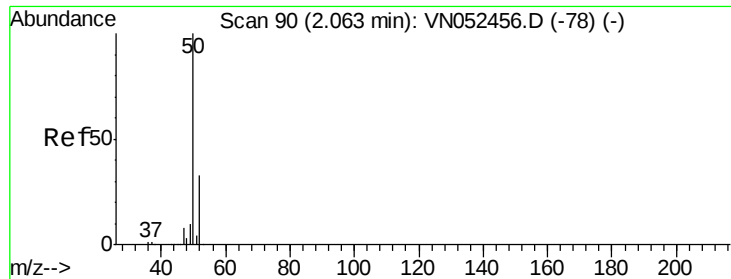
87 31.7 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.065 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

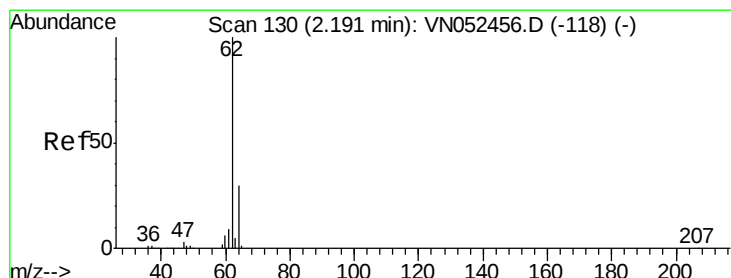
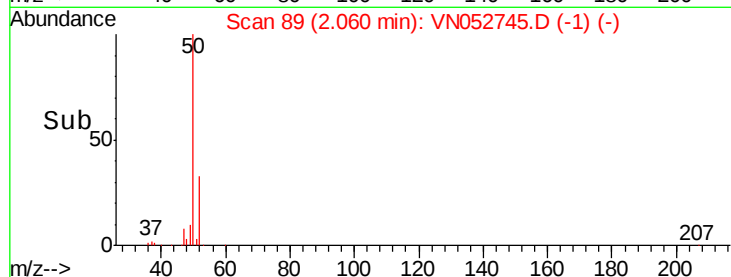
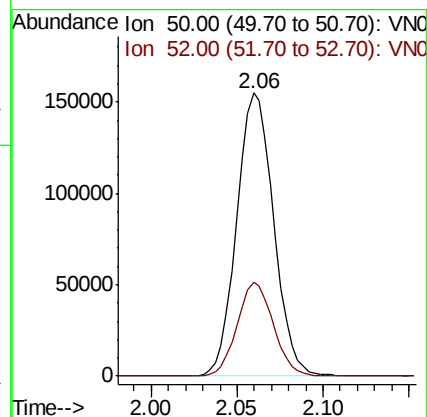
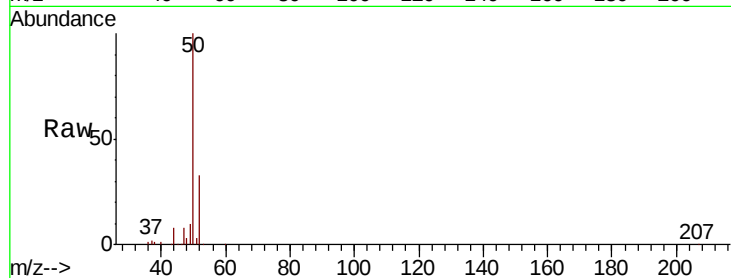
VN1210WBS01

Tot Ion: 50 Resp: 232354

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 18.996 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052745.D

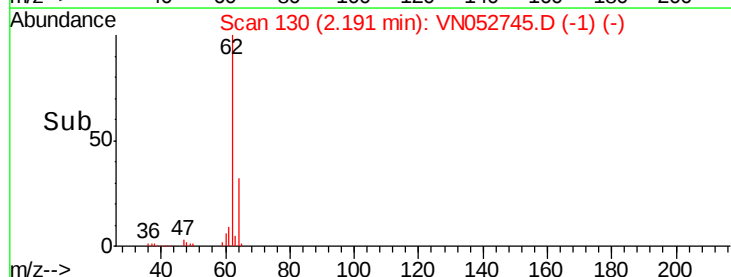
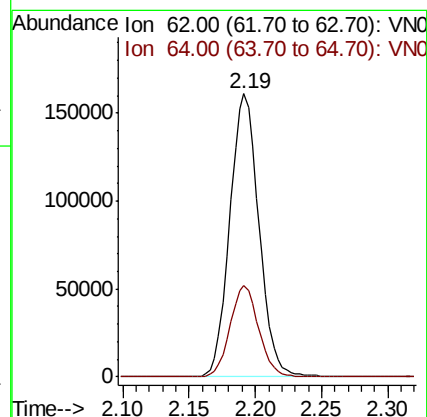
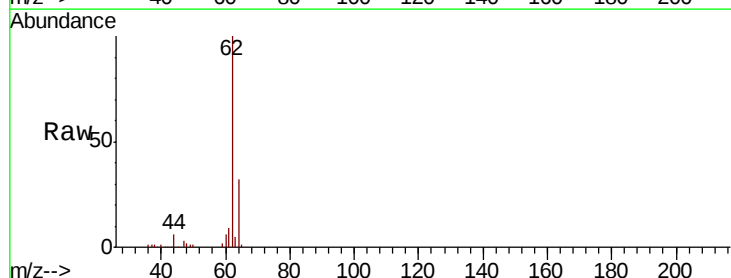
Acq: 10 Dec 2018 11:37

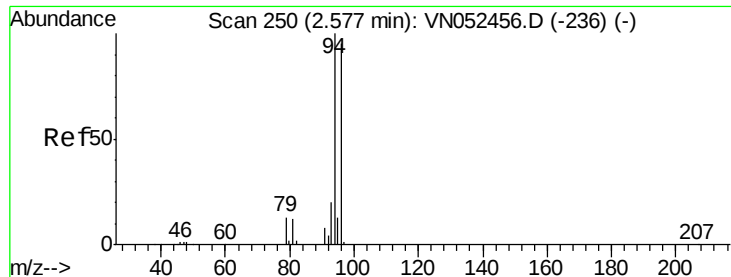
Tgt Ion: 62 Resp: 246604

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4





#5

Bromomethane

Concen: 18.036 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

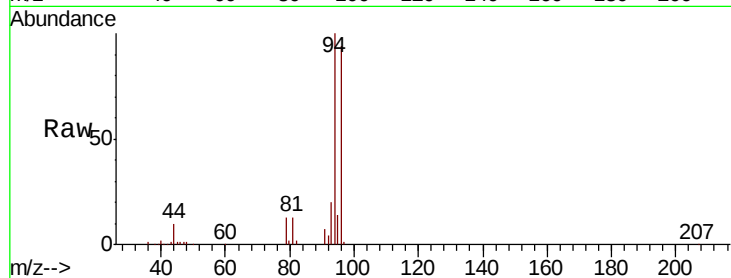
VN1210WBS01

Tot Ion: 94 Resp: 133501

Ion Ratio Lower Upper

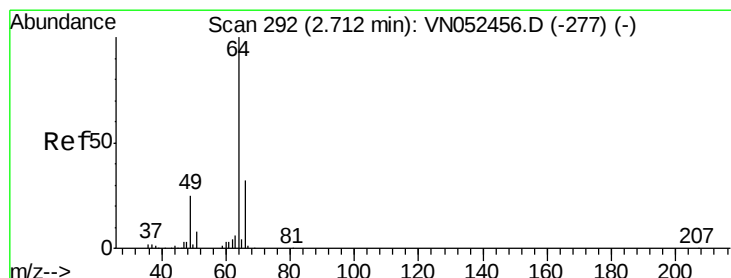
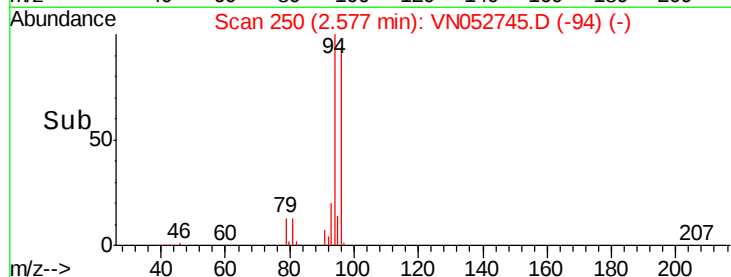
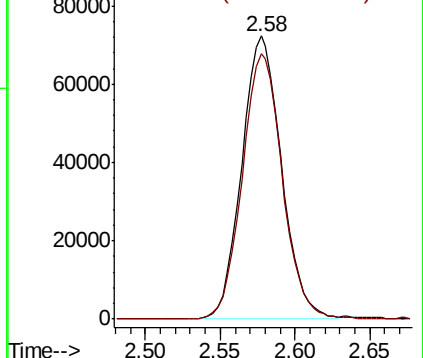
94 100

96 93.7 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.684 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052745.D

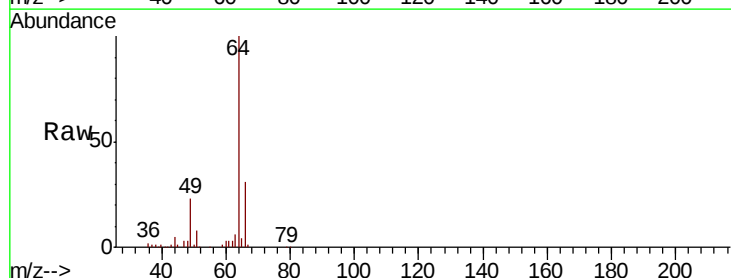
Acq: 10 Dec 2018 11:37

Tgt Ion: 64 Resp: 151963

Ion Ratio Lower Upper

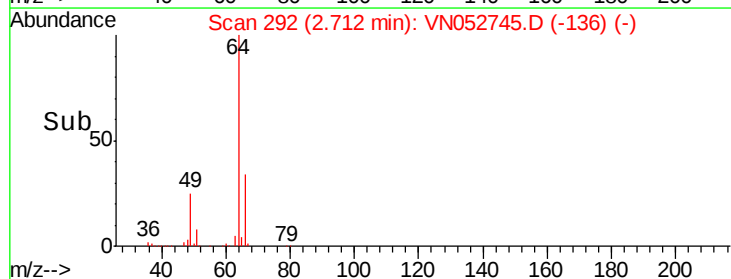
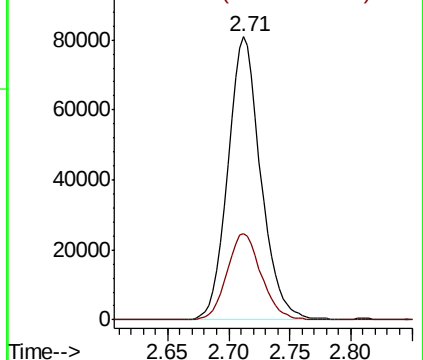
64 100

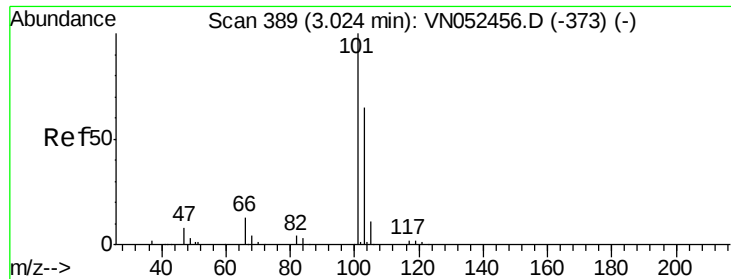
66 30.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



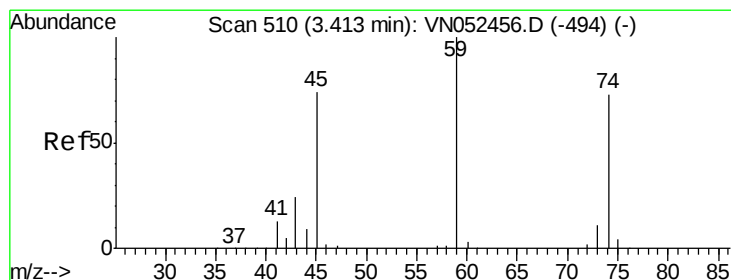
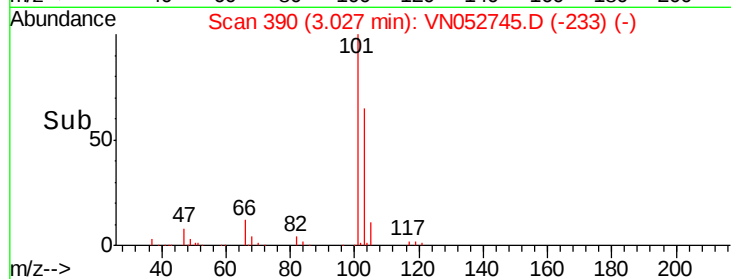
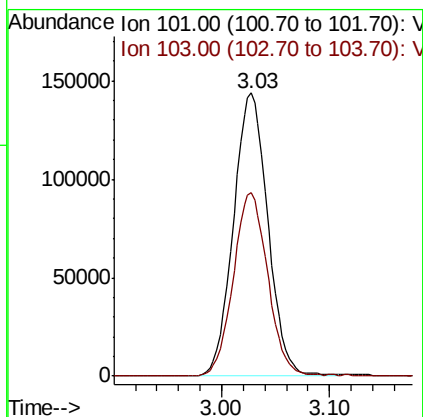
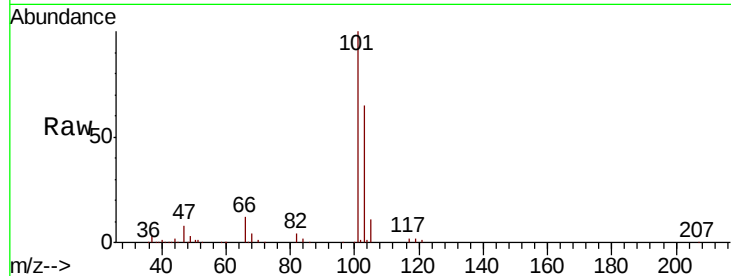


#7

Trichlorofluoromethane
Concen: 19.954 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

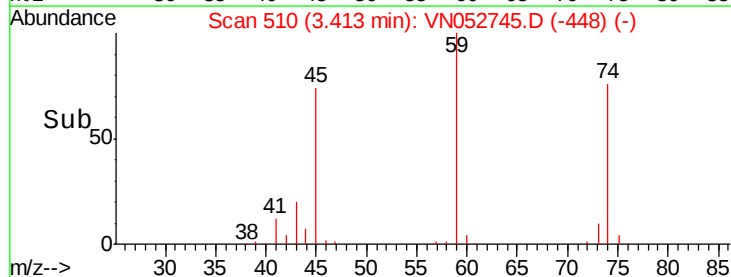
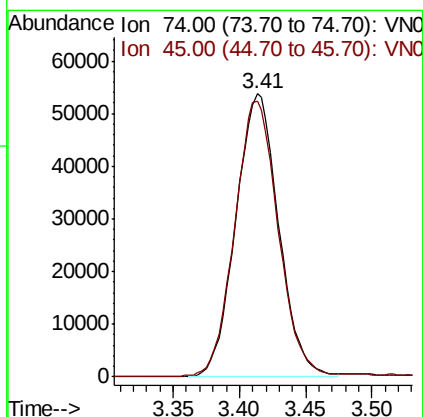
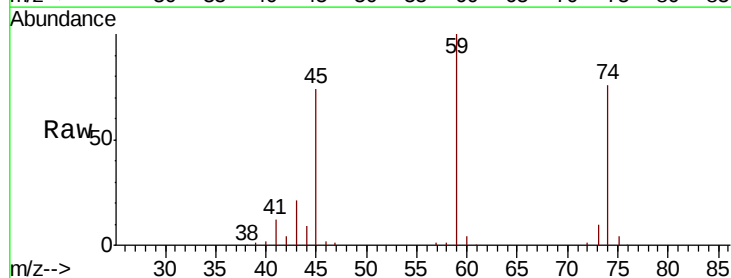
Tot Ion:101 Resp: 319689
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1

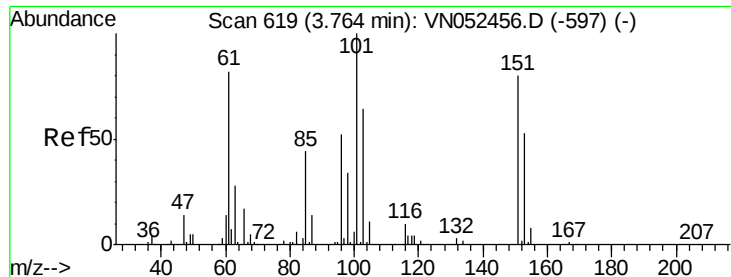


#8

Diethyl Ether
Concen: 20.453 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 74 Resp: 120996
Ion Ratio Lower Upper
74 100
45 98.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.259 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

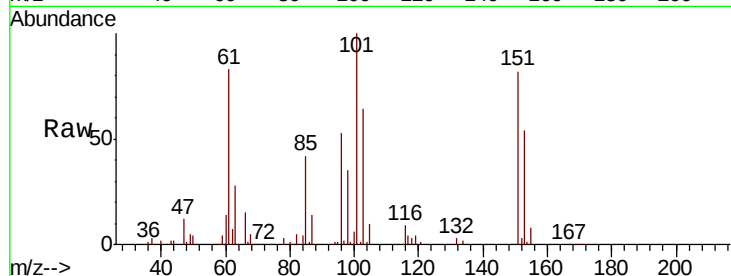
Tot Ion:101 Resp: 205761

Ion Ratio Lower Upper

101 100

85 42.2 0.0 82.6

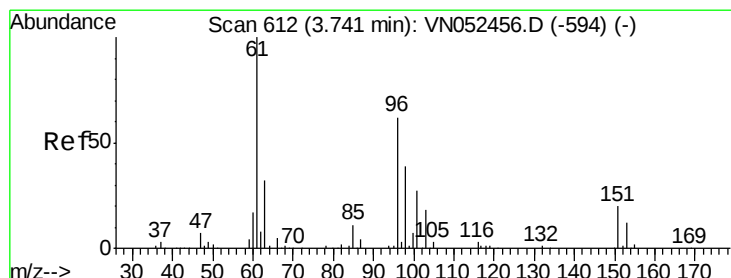
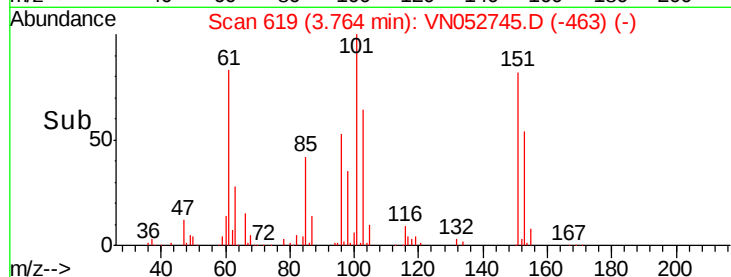
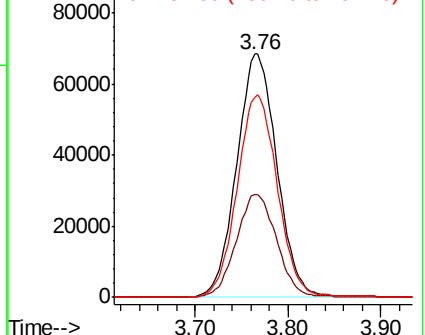
151 82.8 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.013 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

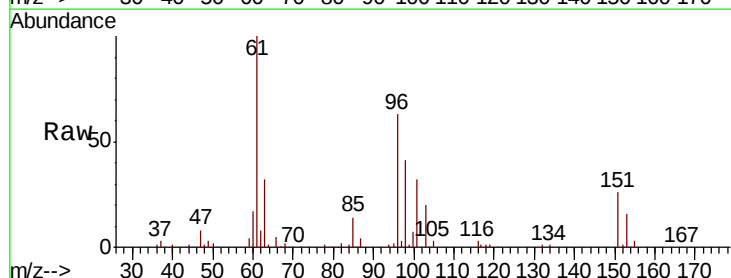
Tgt Ion: 96 Resp: 191106

Ion Ratio Lower Upper

96 100

61 157.7 129.4 194.2

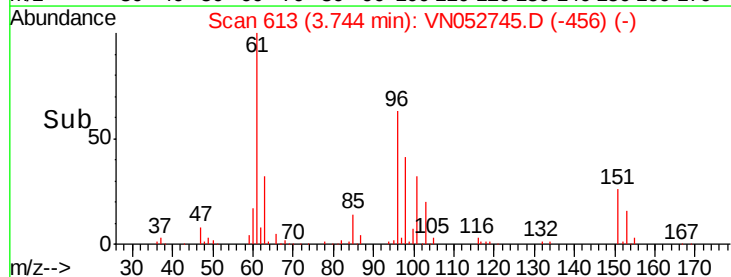
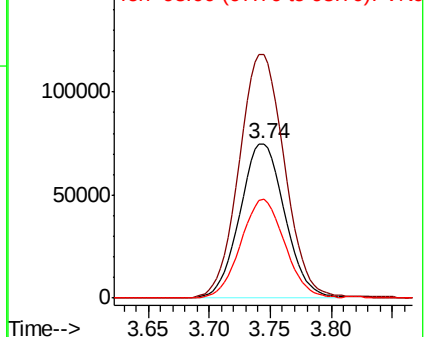
98 64.2 50.4 75.6

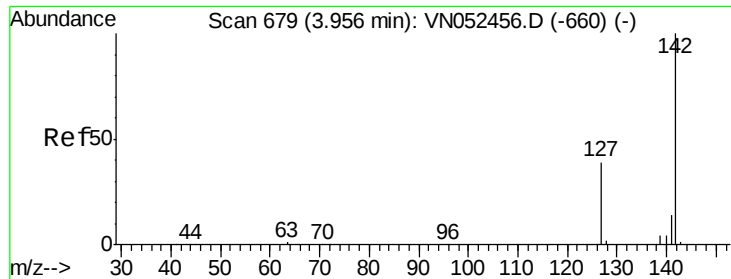


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

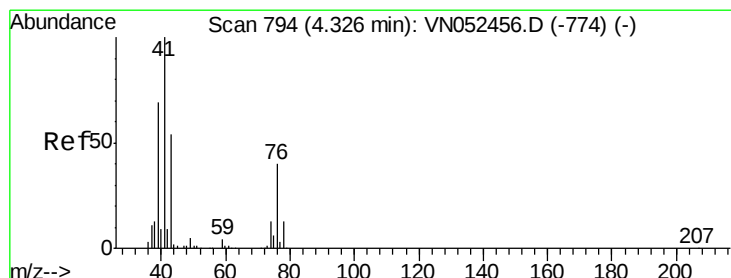
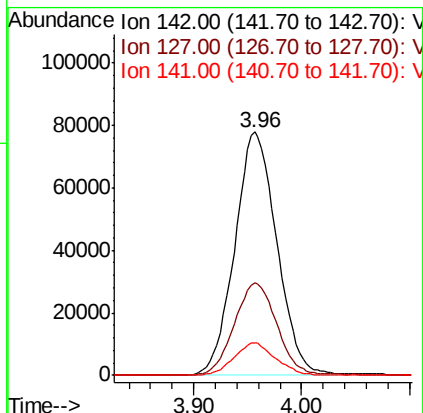
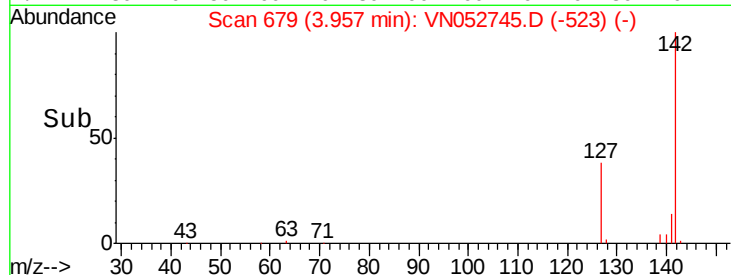
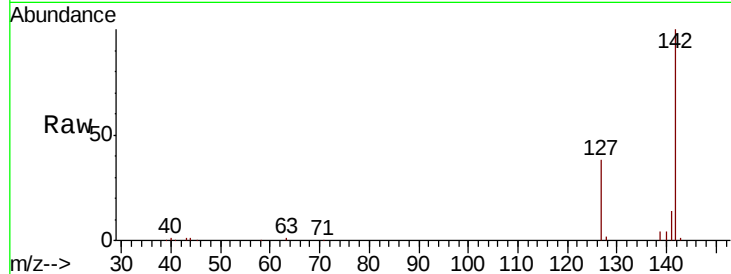




#11
Methvl Iodide
Concen: 15.930 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

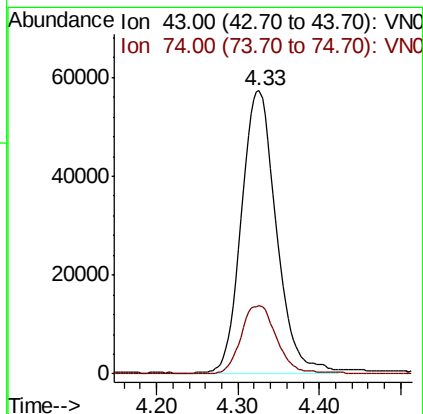
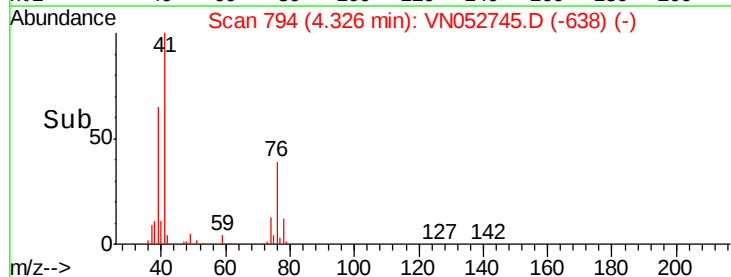
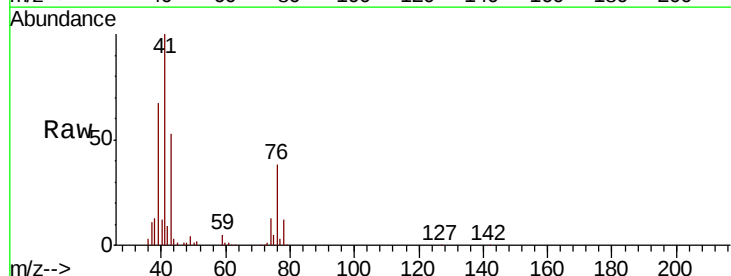
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

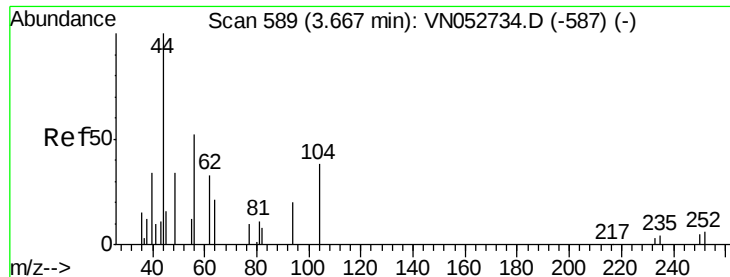
Tot Ion:142 Resp: 211215
Ion Ratio Lower Upper
142 100
127 37.9 19.4 58.1
141 13.6 7.2 21.6



#12
Methyl Acetate
Concen: 21.004 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 43 Resp: 170422
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3





#13

Acrolein

Concen: 16.051 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

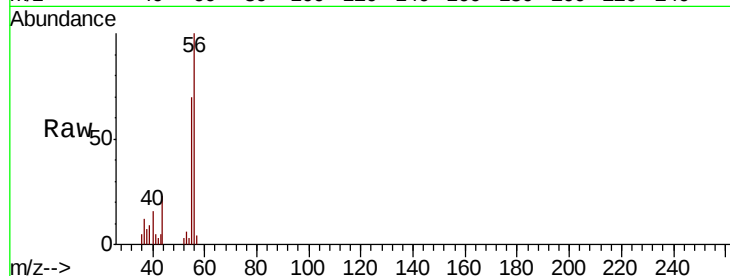
VN1210WBS01

Tot Ion: 56 Resp: 15298

Ion Ratio Lower Upper

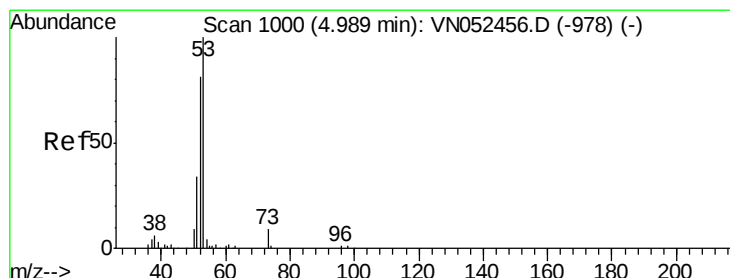
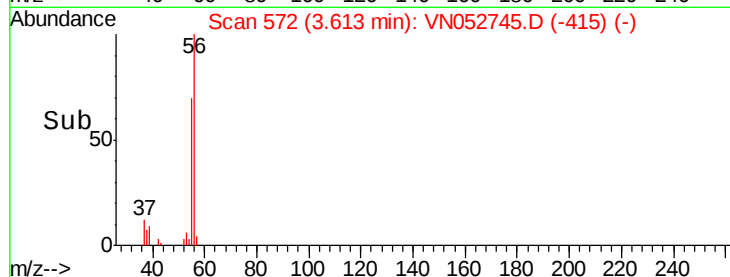
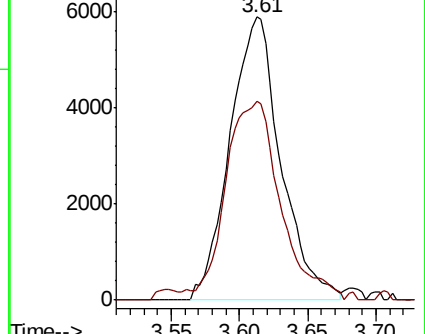
56 100

55 75.2 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: 101.792 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

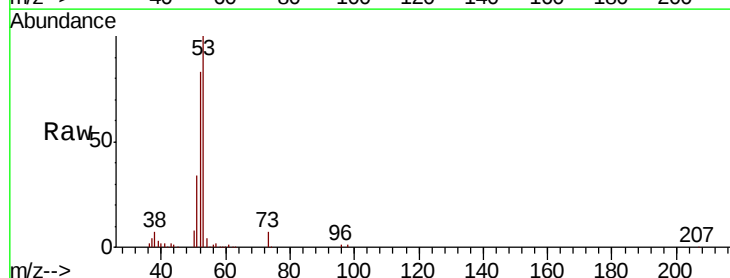
Tgt Ion: 53 Resp: 351906

Ion Ratio Lower Upper

53 100

52 80.7 39.9 119.7

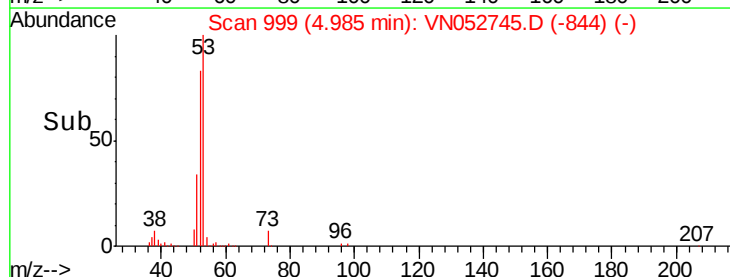
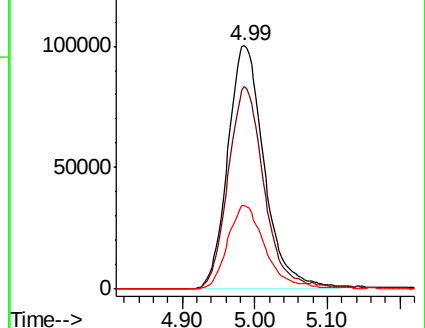
51 35.3 17.6 52.9

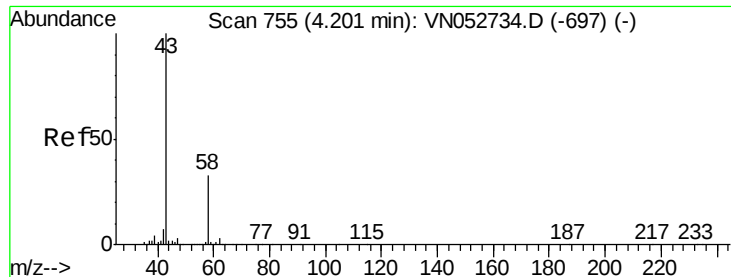


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 90.151 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

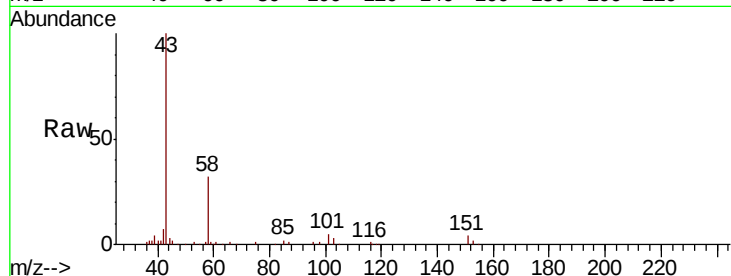
VN1210WBS01

Tot Ion: 58 Resp: 80713

Ion Ratio Lower Upper

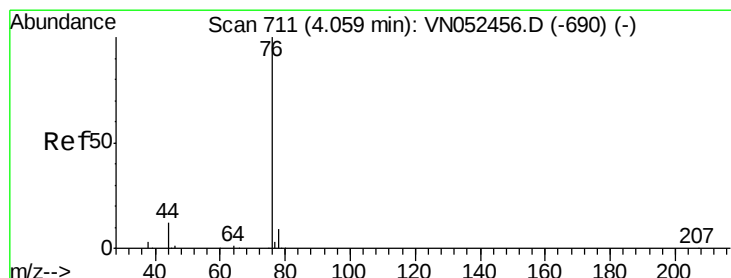
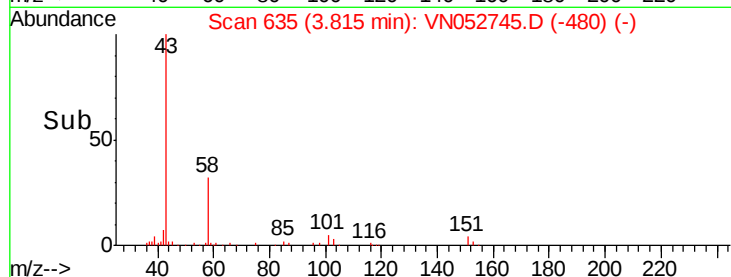
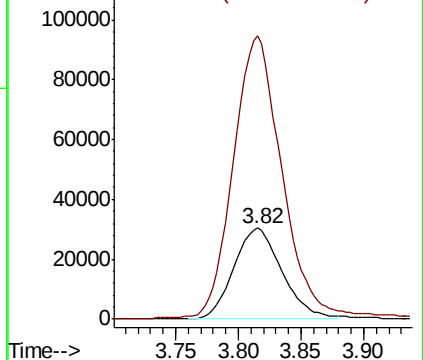
58 100

43 310.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.550 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052745.D

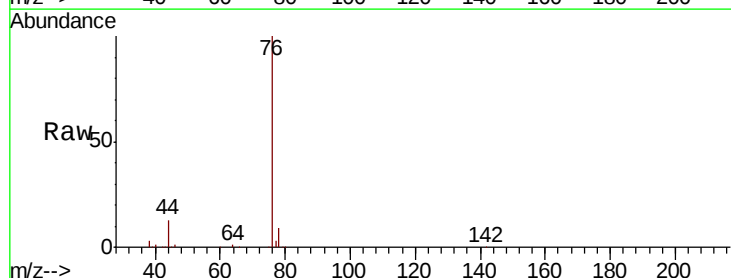
Acq: 10 Dec 2018 11:37

Tgt Ion: 76 Resp: 560818

Ion Ratio Lower Upper

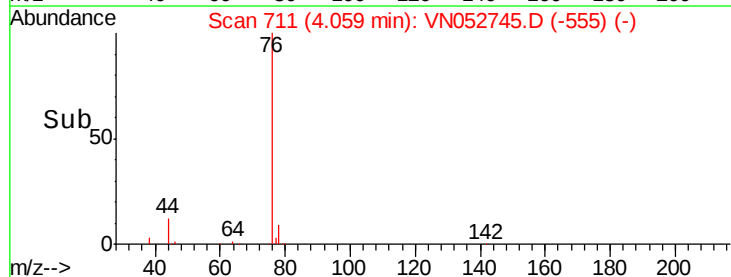
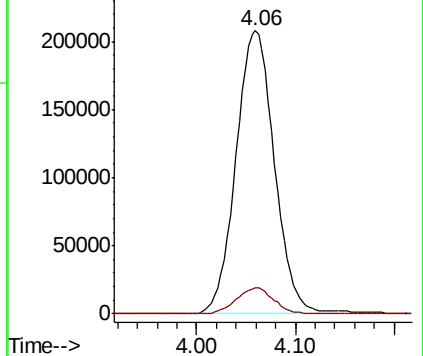
76 100

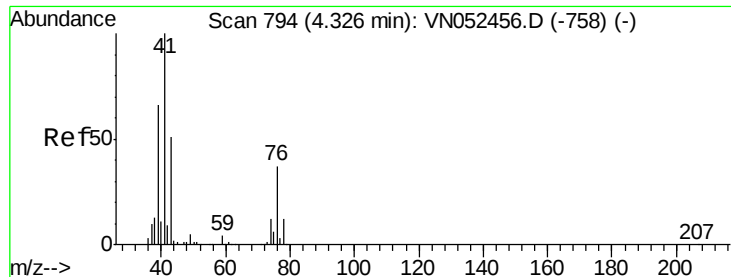
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.276 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

VN1210WBS01

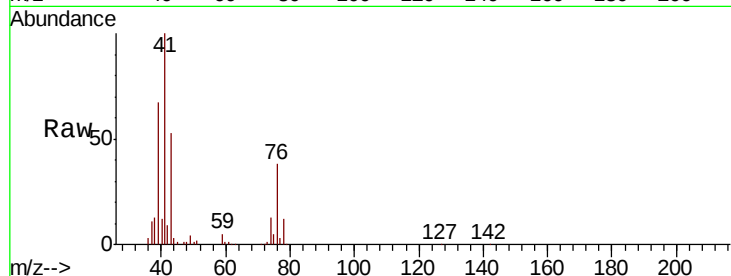
Tot Ion: 41 Resp: 304369

Ion Ratio Lower Upper

41 100

39 66.8 32.8 98.3

76 38.3 18.6 55.8

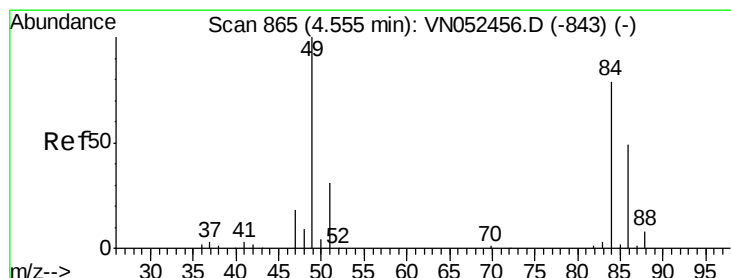
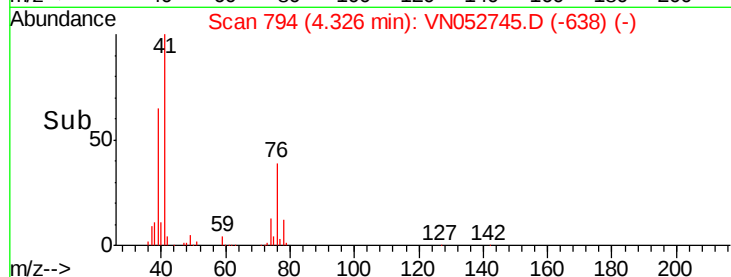
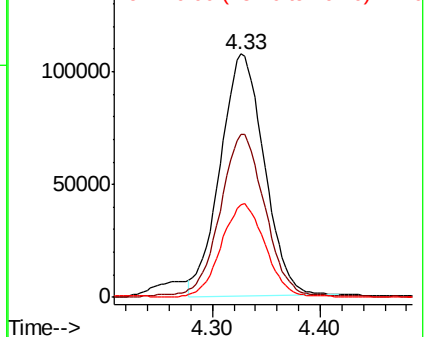


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.014 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion: 84 Resp: 221292

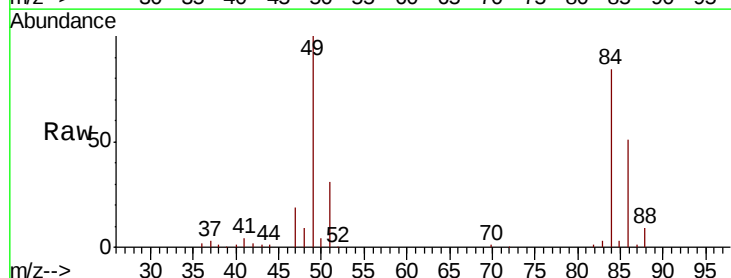
Ion Ratio Lower Upper

84 100

49 118.9 101.4 152.0

51 36.4 31.7 47.5

86 61.0 50.1 75.1



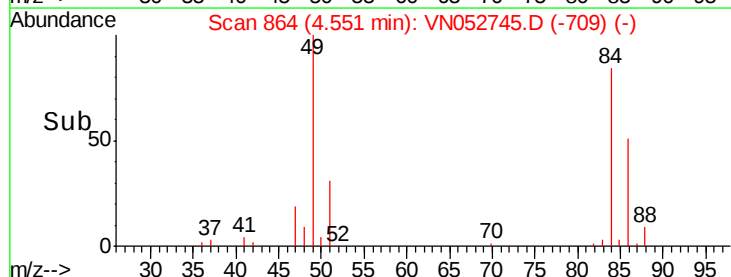
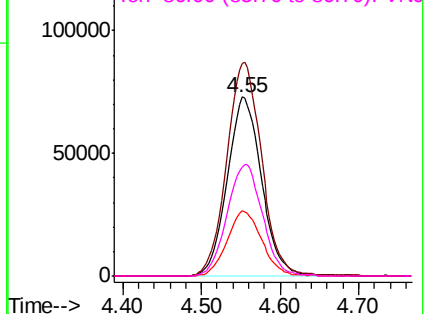
Abundance

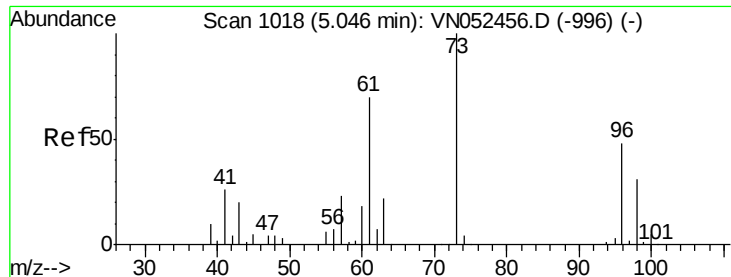
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

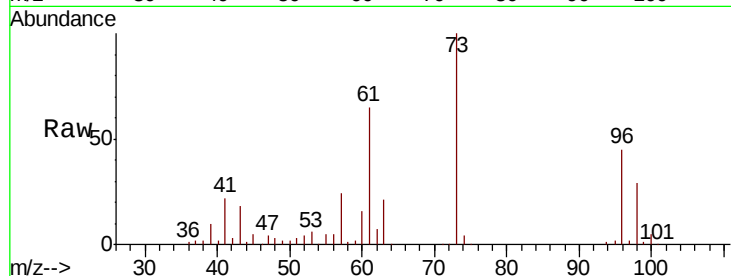




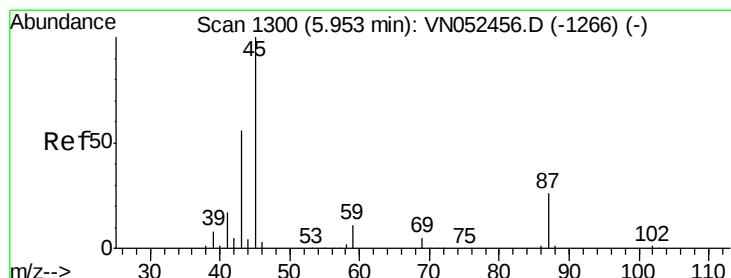
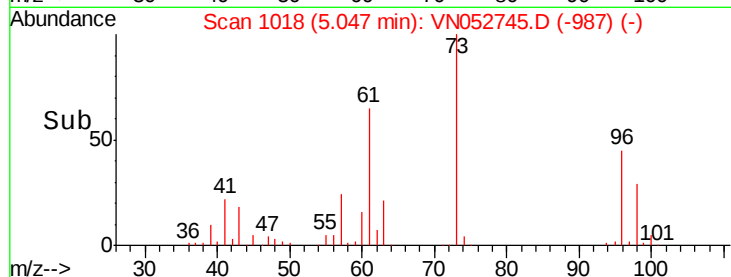
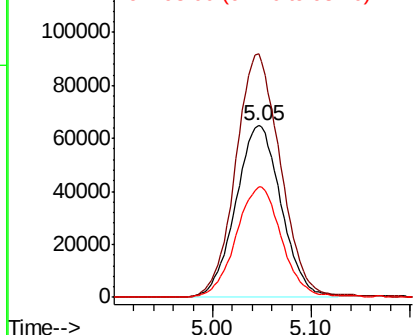
#19
trans-1,2-Dichloroethene
Concen: 20.162 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 96 Resp: 207197
Ion Ratio Lower Upper
96 100
61 141.5 118.2 177.4
98 64.1 51.4 77.2

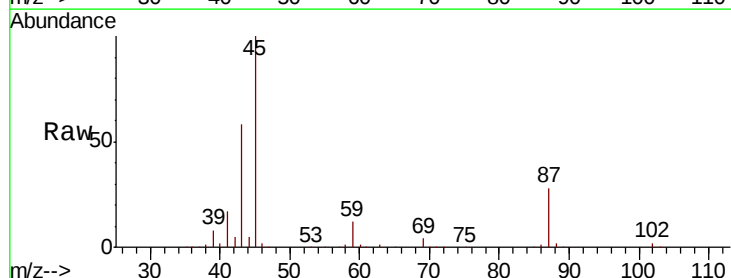


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

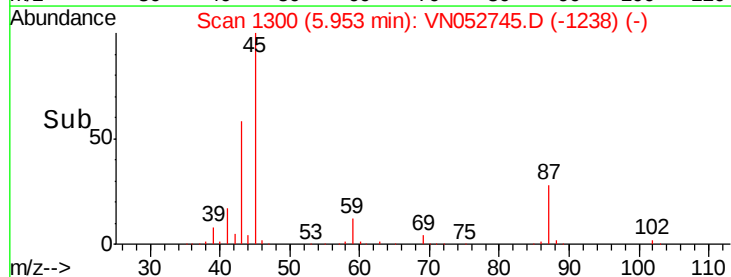
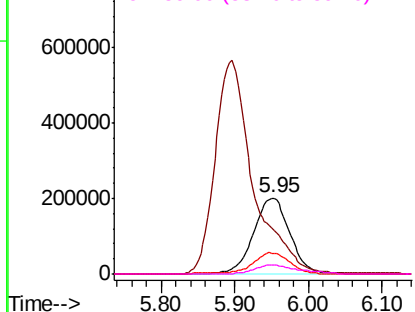


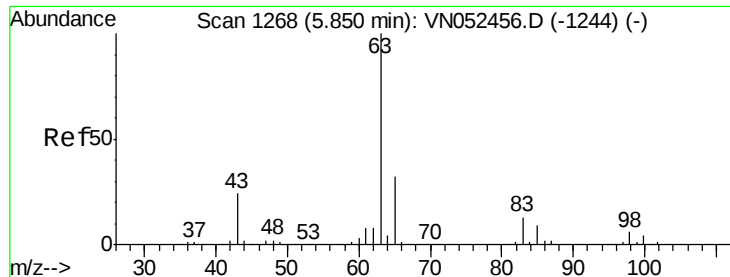
#20
Diisopropyl ether
Concen: 19.684 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 45 Resp: 688880
Ion Ratio Lower Upper
45 100
43 55.7 47.8 71.8
87 27.4 21.3 31.9
59 11.9 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

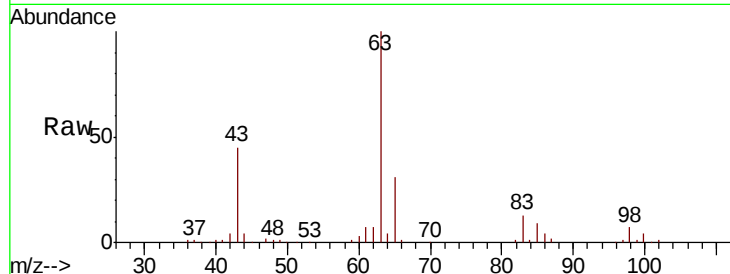




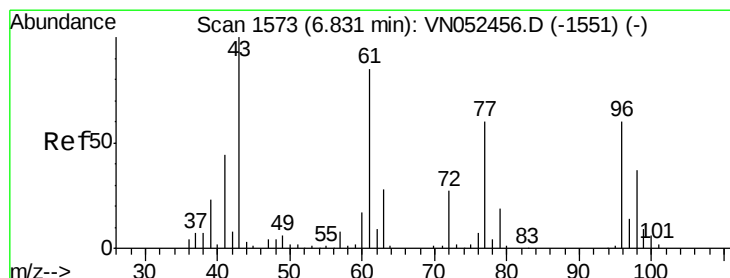
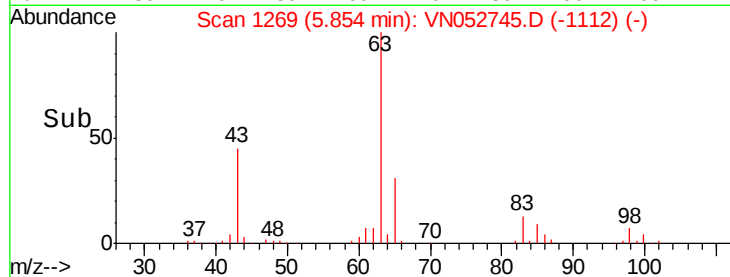
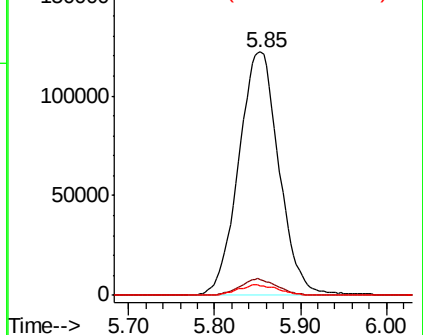
#21
 1,1-Dichloroethane
 Concen: 19.937 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion: 63 Resp: 397674
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 3.9 1.8 5.5

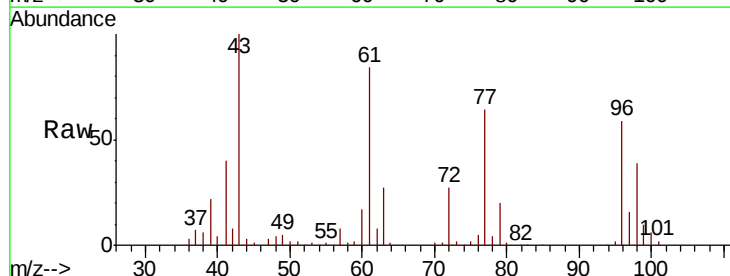


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

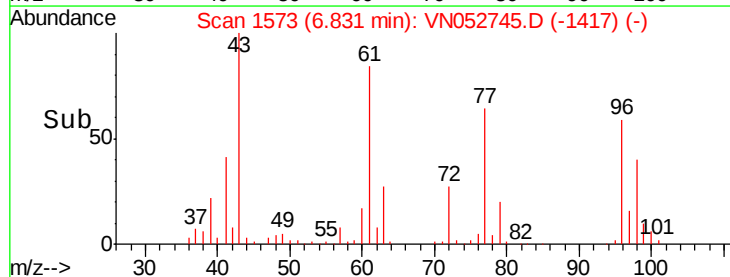
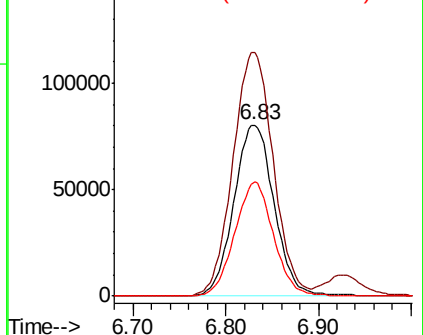


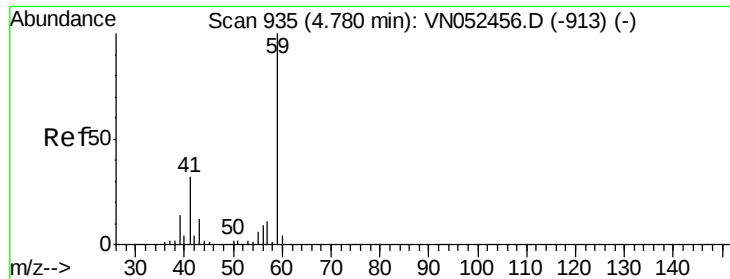
#22
 cis-1,2-Dichloroethene
 Concen: 20.488 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion: 96 Resp: 241308
 Ion Ratio Lower Upper
 96 100
 61 143.1 116.7 175.1
 98 64.4 50.8 76.2



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

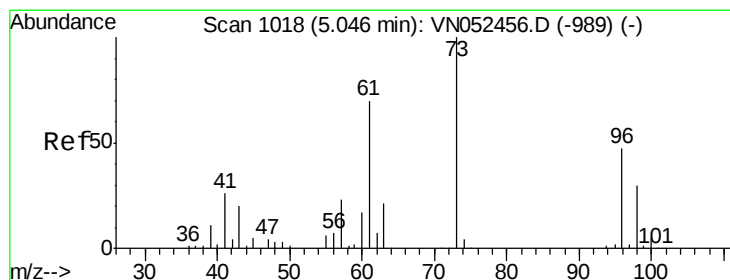
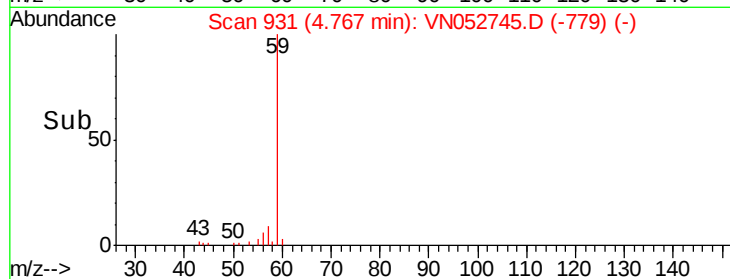
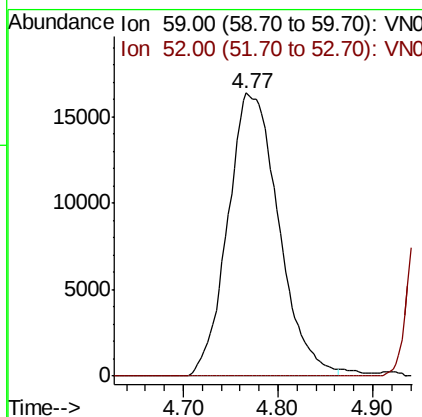
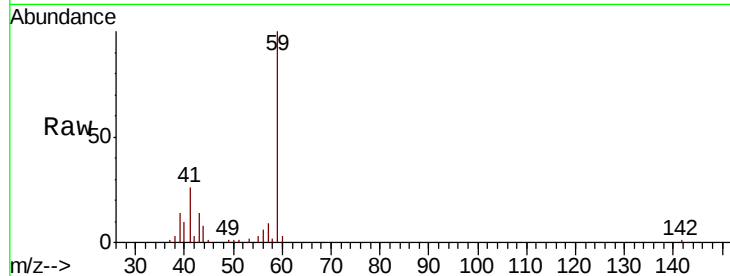




#23
 tert-Butyl Alcohol
 Concen: 118.869 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

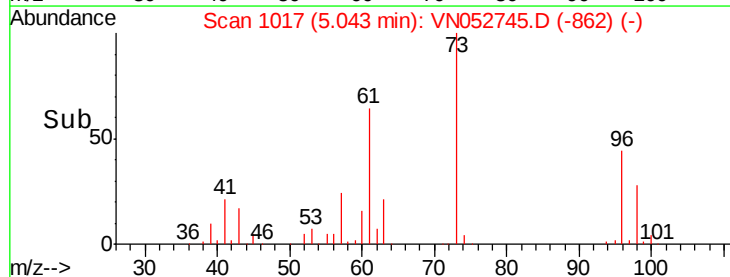
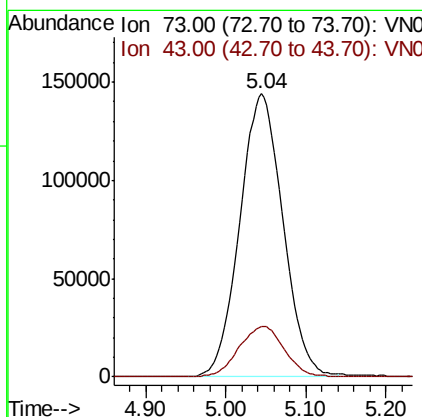
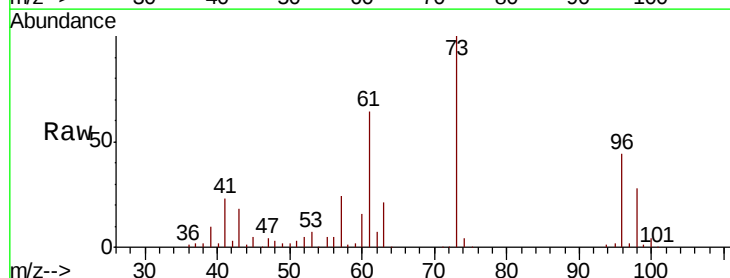
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

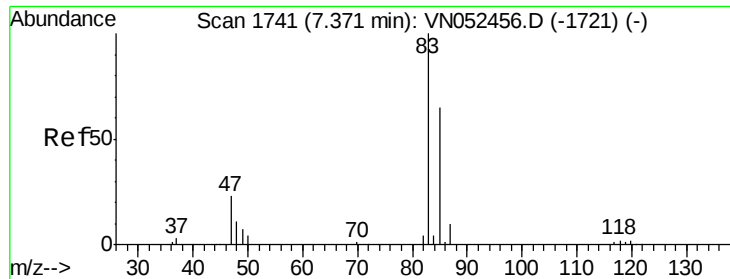
Tot Ion: 59 Resp: 61132
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 21.173 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion: 73 Resp: 530428
 Ion Ratio Lower Upper
 73 100
 43 18.4 15.8 23.8

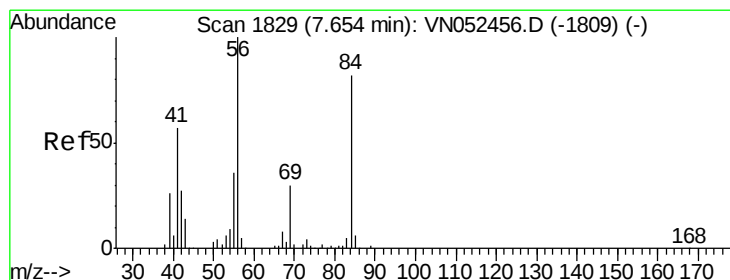
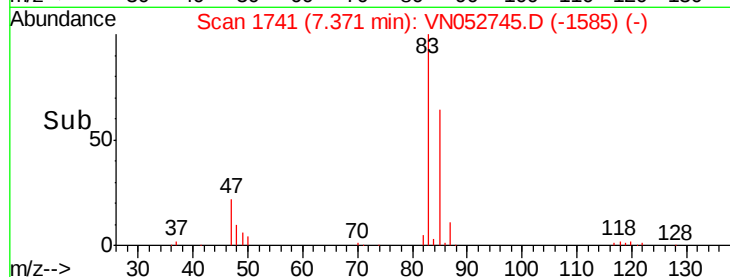
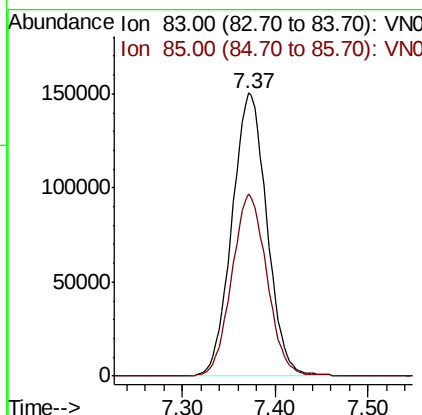
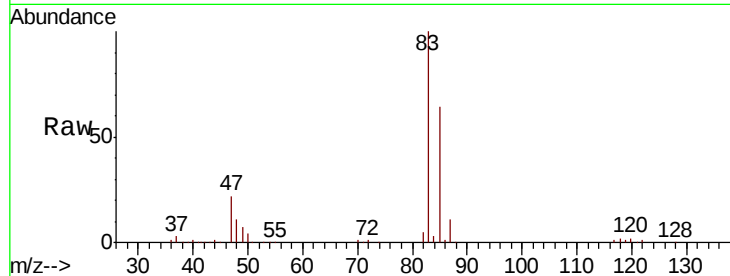




#25
Chloroform
Concen: 20.409 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

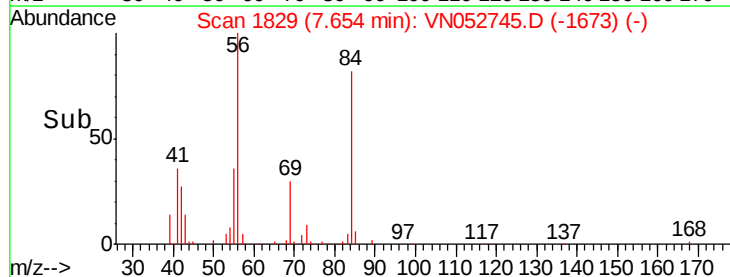
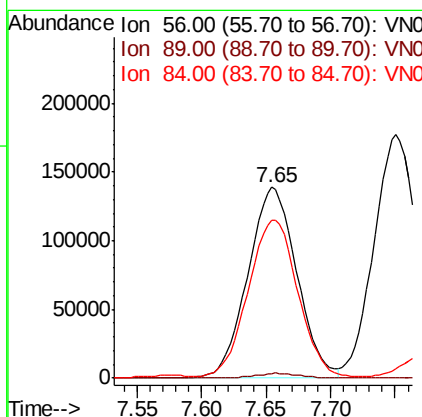
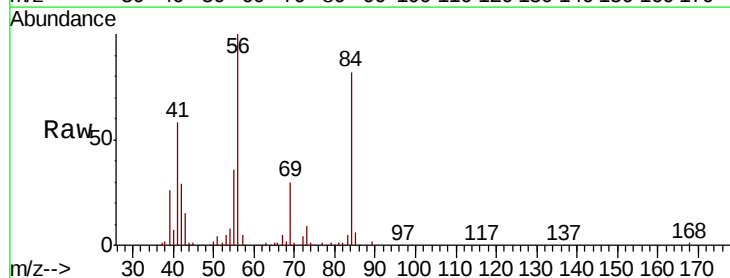
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

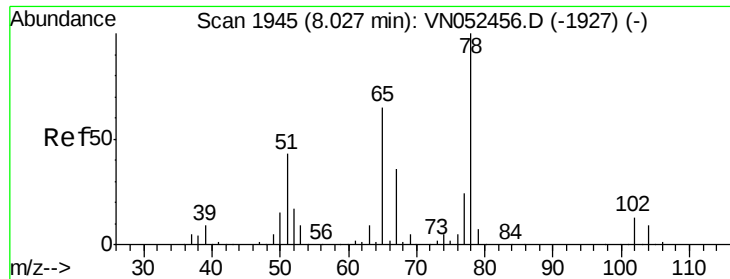
Tot Ion: 83 Resp: 392737
Ion Ratio Lower Upper
83 100
85 64.4 51.7 77.5



#26
Cyclohexane
Concen: 19.491 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 56 Resp: 366694
Ion Ratio Lower Upper
56 100
89 2.3 0.5 0.7#
84 83.0 66.2 99.2

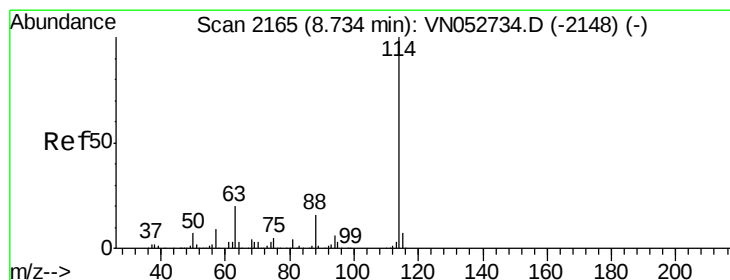
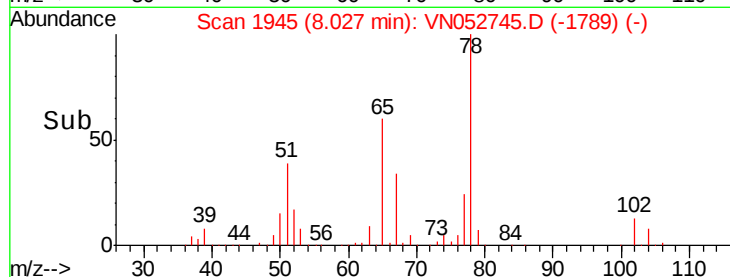
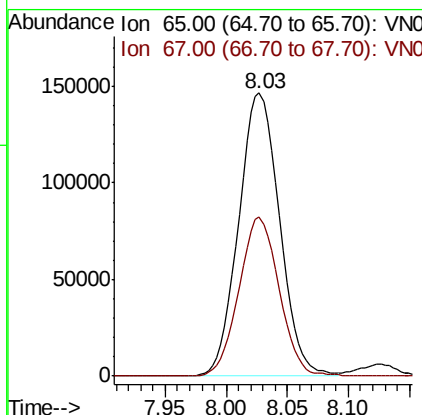
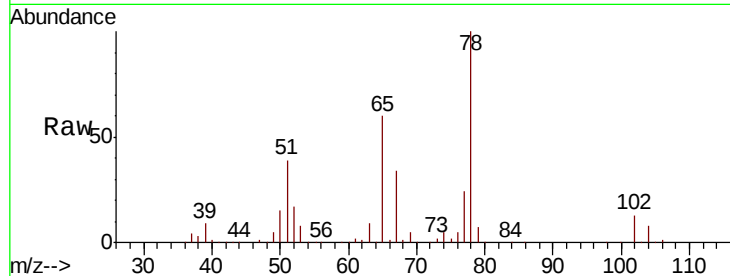




#27
 1,2-Dichloroethane-d4
 Concen: 19.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

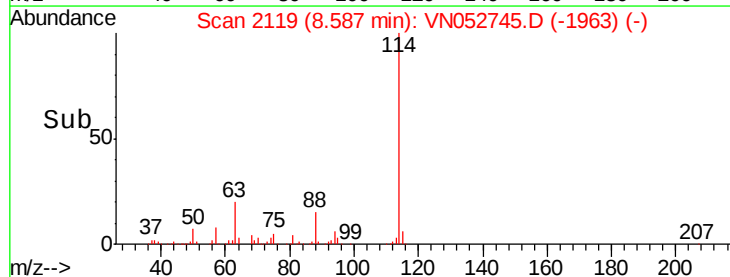
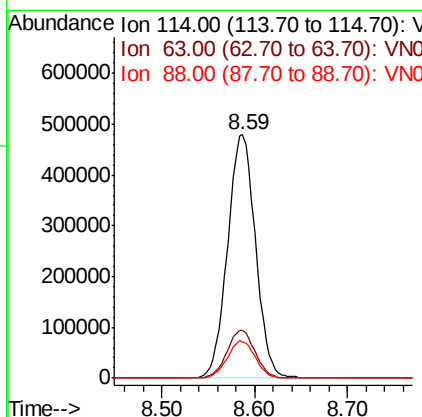
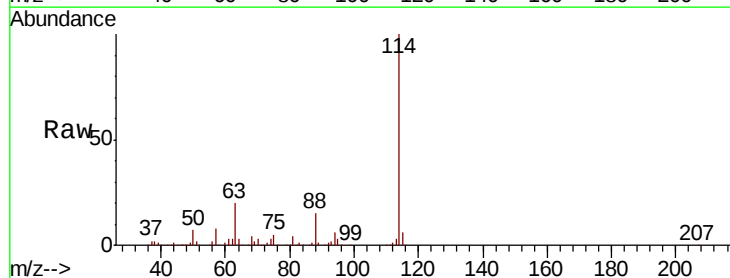
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

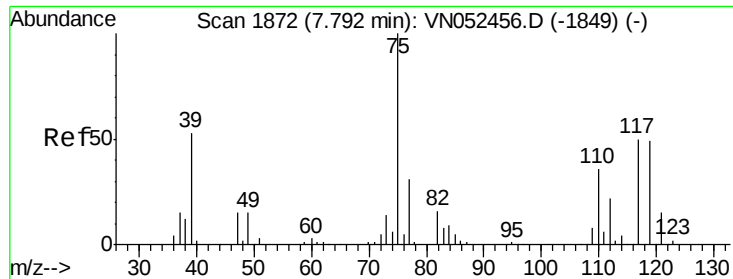
Tot Ion: 65 Resp: 340575
 Ion Ratio Lower Upper
 65 100
 67 55.2 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion: 114 Resp: 1000061
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.9 25.3
 88 15.3 12.8 19.2

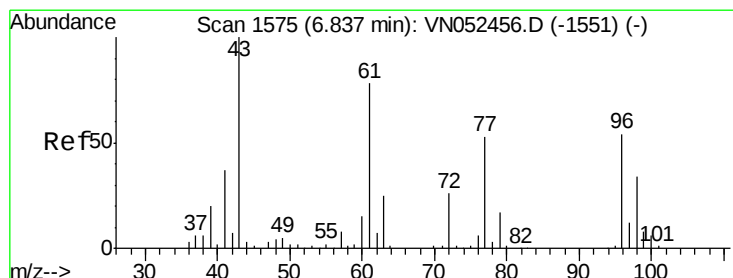
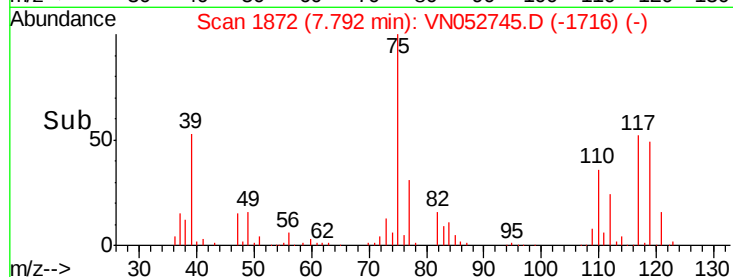
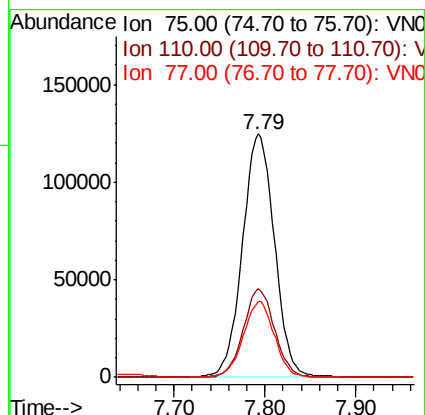
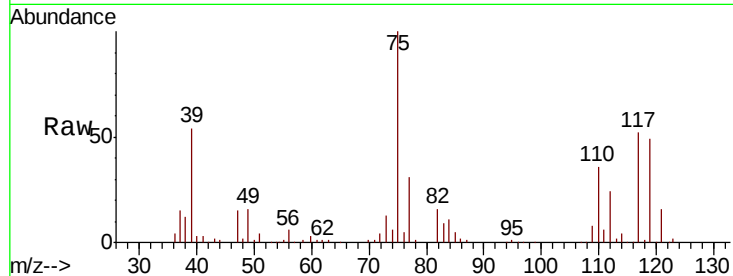




#29
 1,1-Dichloropropene
 Concen: 20.001 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

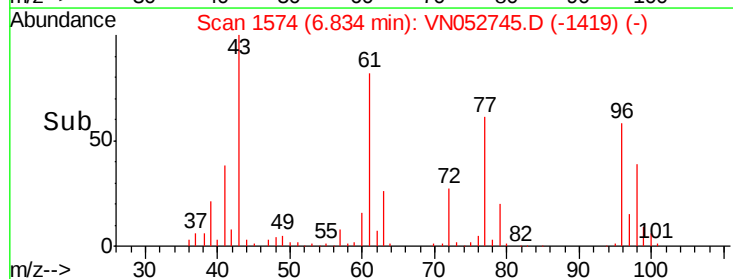
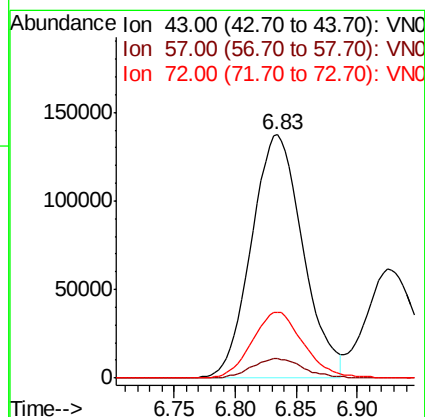
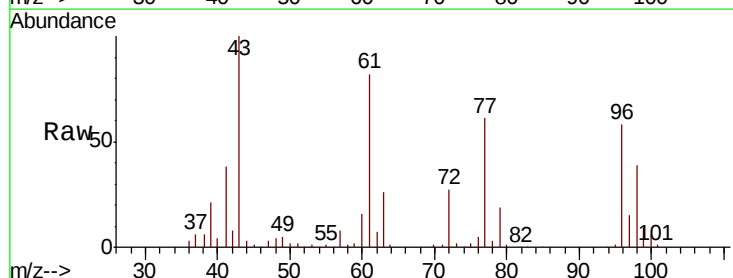
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

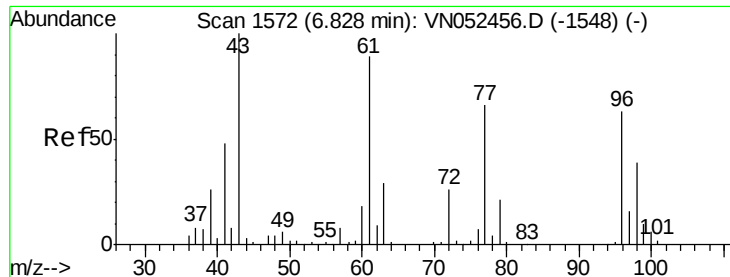
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.4	0.0	70.2
77	30.5	0.0	62.6



#30
 2-Butanone
 Concen: 98.102 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	27.2	21.0	31.6





#31

2,2-Dichloropropane

Concen: 20.825 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

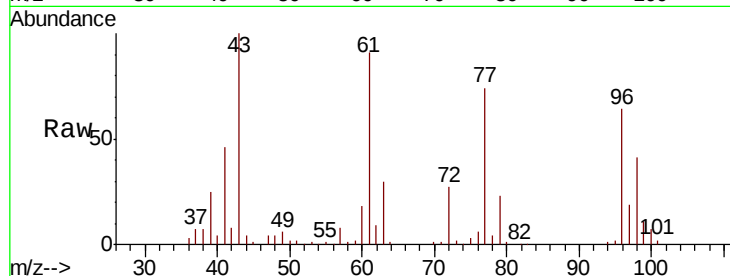
VN1210WBS01

Tot Ion: 77 Resp: 292792

Ion Ratio Lower Upper

77 100

97 24.6 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.82

100000

80000

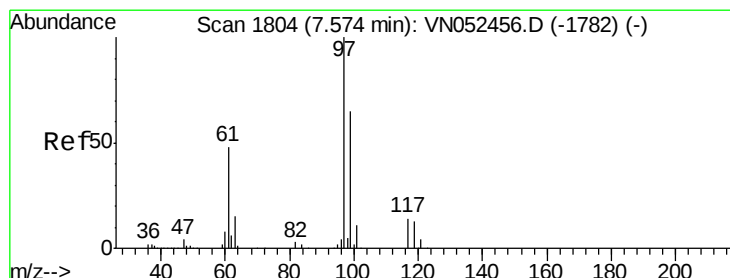
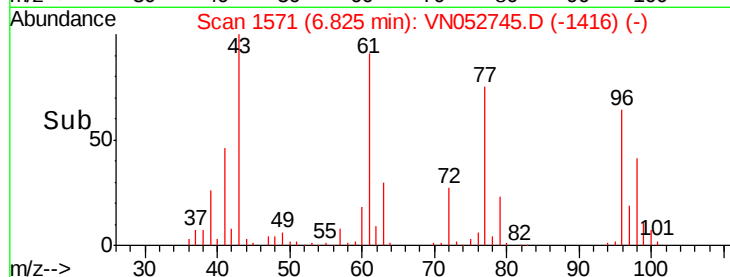
60000

40000

20000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 20.345 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

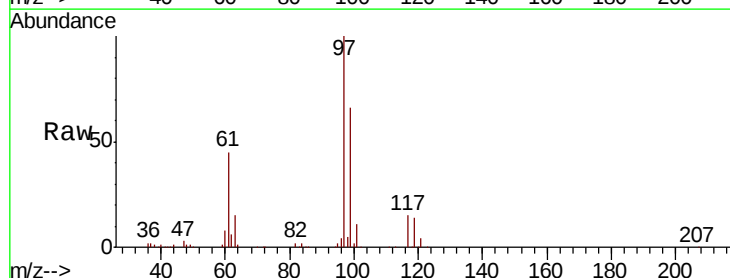
Tgt Ion: 97 Resp: 323294

Ion Ratio Lower Upper

97 100

99 65.0 50.9 76.3

61 45.1 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

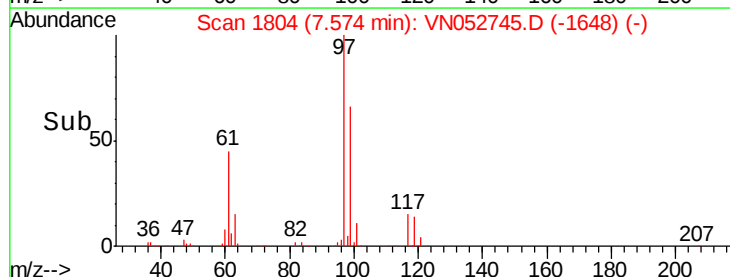
150000

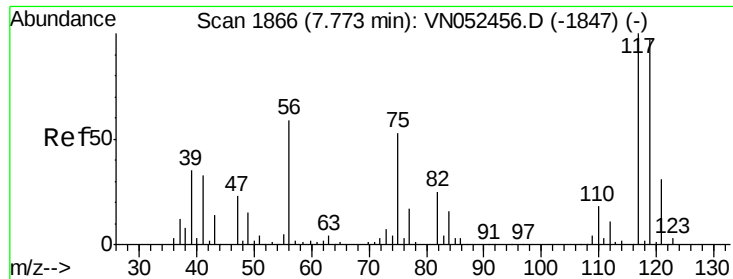
100000

50000

0

Time-->





#33

Carbon Tetrachloride

Concen: 20.383 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

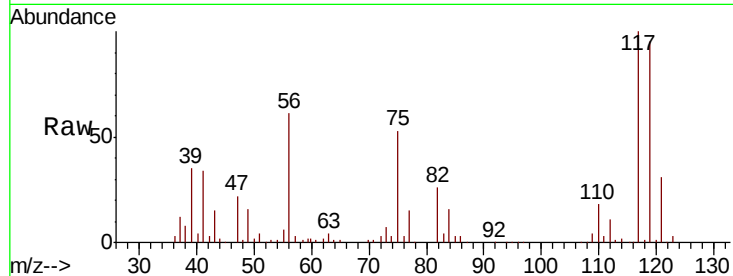
Tot Ion:117 Resp: 283410

Ion Ratio Lower Upper

117 100

119 94.5 77.3 115.9

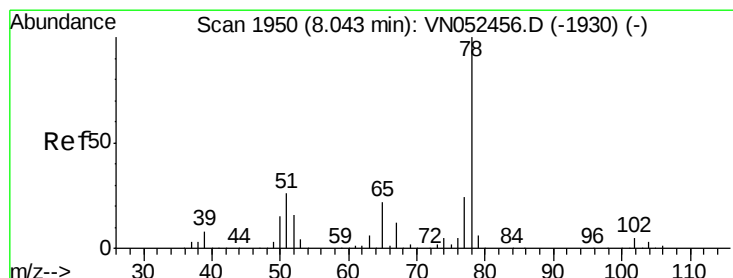
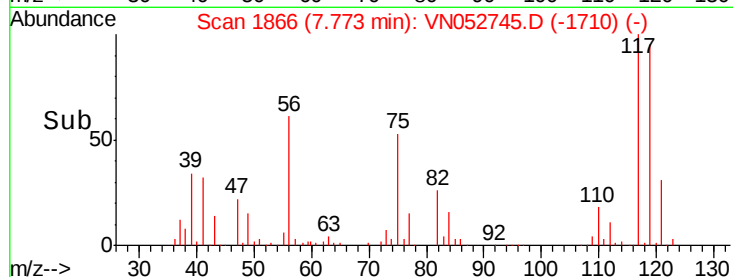
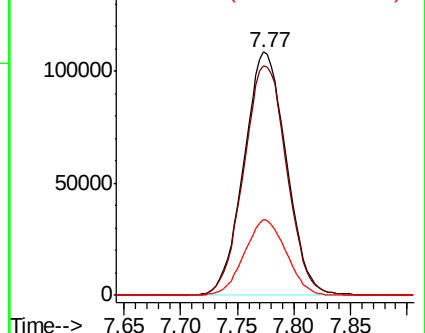
121 31.0 24.9 37.3



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: 19.692 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

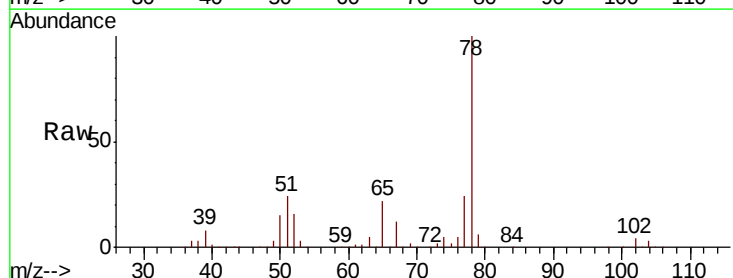
Tgt Ion: 78 Resp: 904201

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

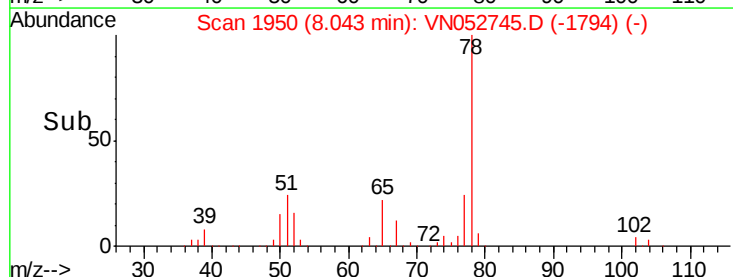
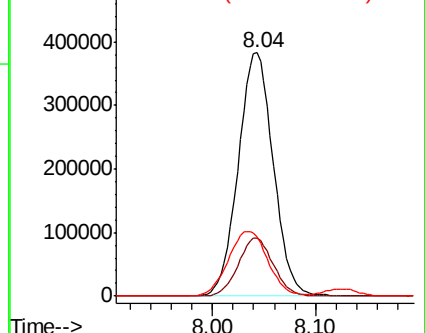
51 24.1 20.5 30.7

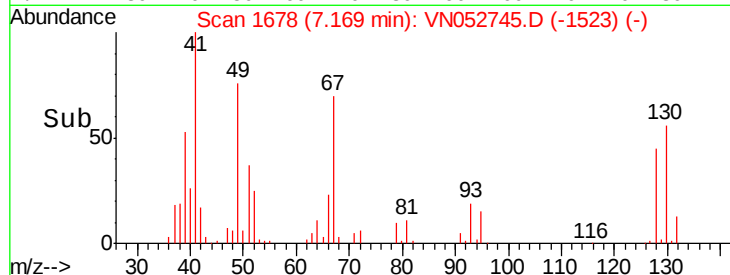
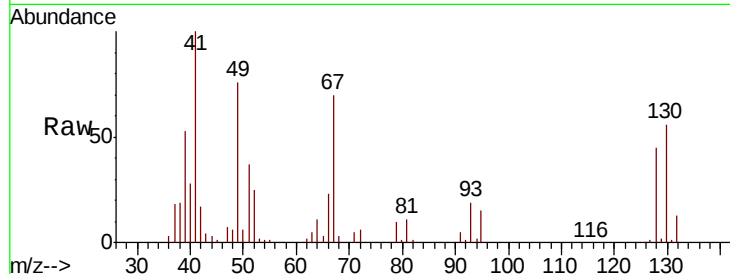
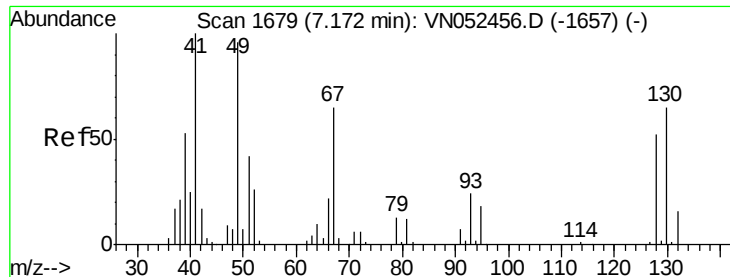


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

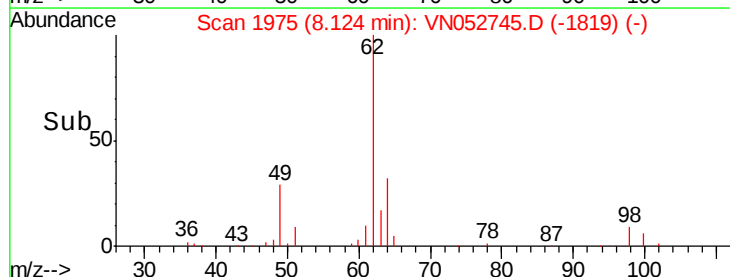
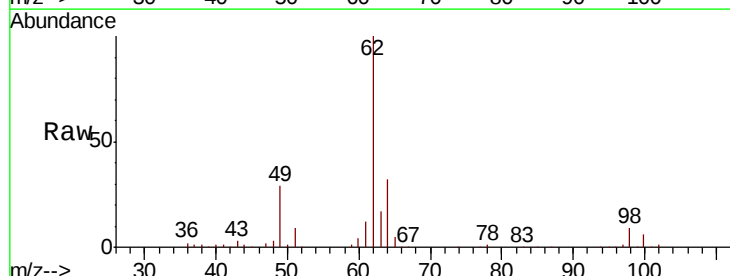
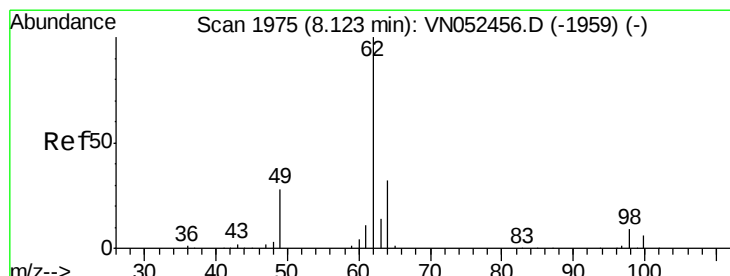
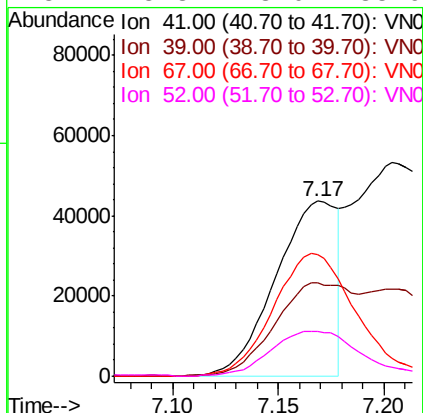




#35
Methacrylonitrile
Concen: 17.482 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

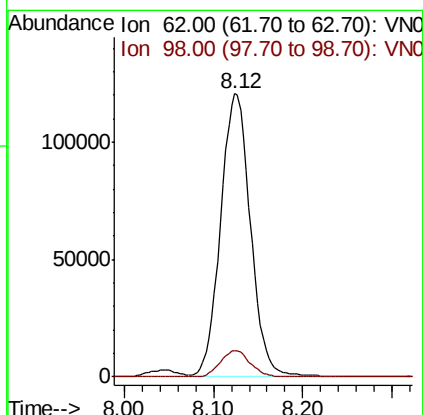
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

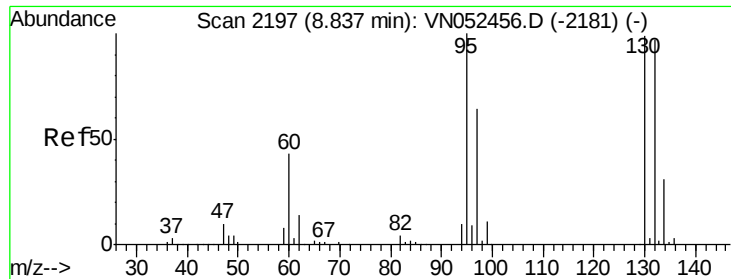
Tot Ion: 41 Resp: 88636
Ion Ratio Lower Upper
41 100
39 52.7 26.6 79.7
67 69.6 32.3 96.9
52 25.3 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.198 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 62 Resp: 281037
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

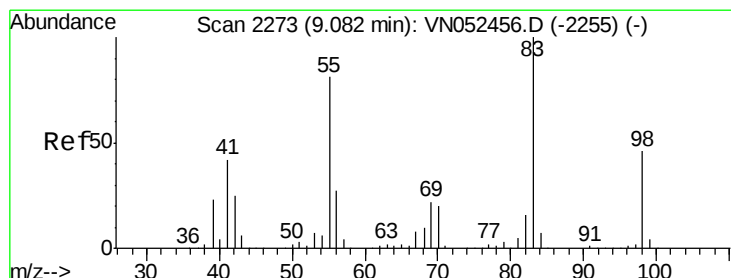
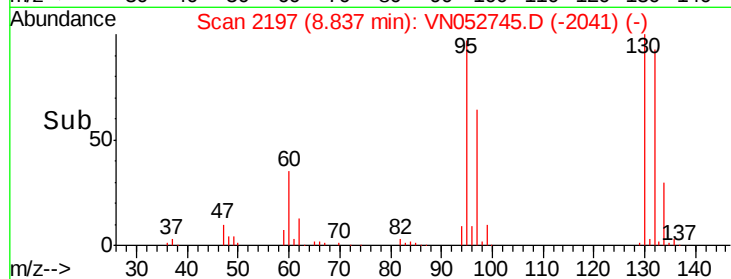
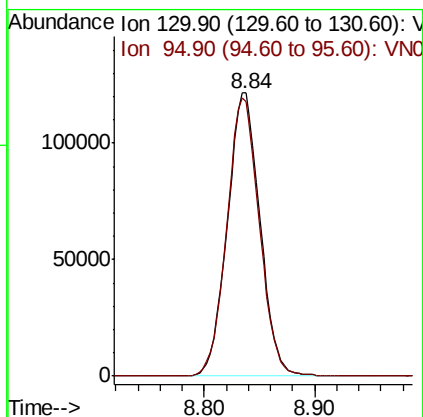
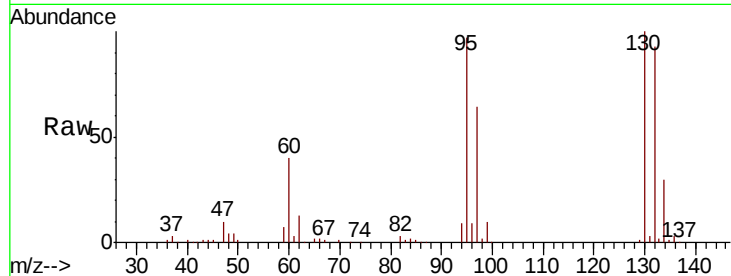




#37
 Trichloroethene
 Concen: 21.379 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

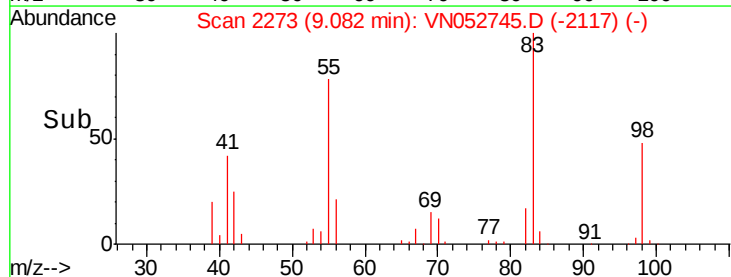
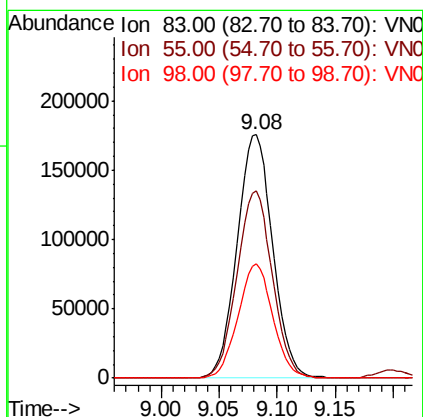
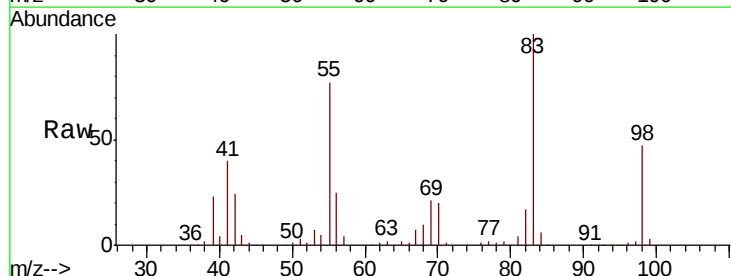
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

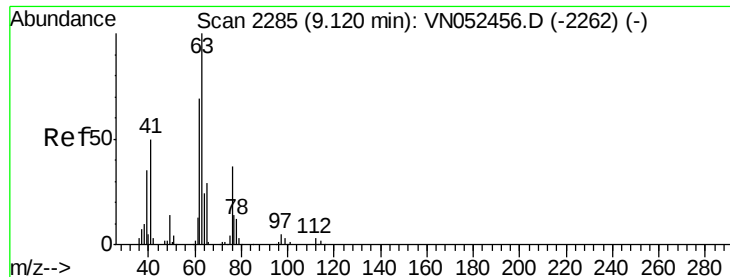
Tot Ion:130 Resp: 248917
 Ion Ratio Lower Upper
 130 100
 95 96.8 81.0 121.4



#38
 Methylcyclohexane
 Concen: 19.837 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion: 83 Resp: 375028
 Ion Ratio Lower Upper
 83 100
 55 76.3 39.8 119.4
 98 46.0 22.9 68.5





#39

1,2-Dichloropropane

Concen: 19.876 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

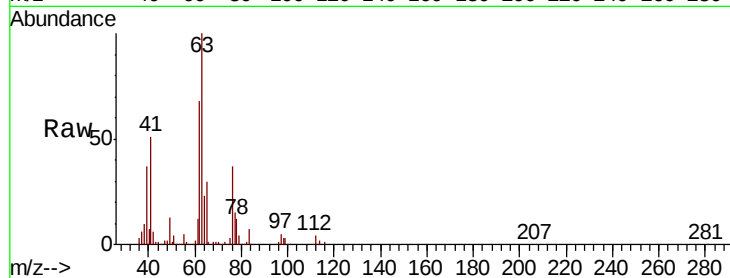
VN1210WBS01

Tot Ion: 63 Resp: 244632

Ion Ratio Lower Upper

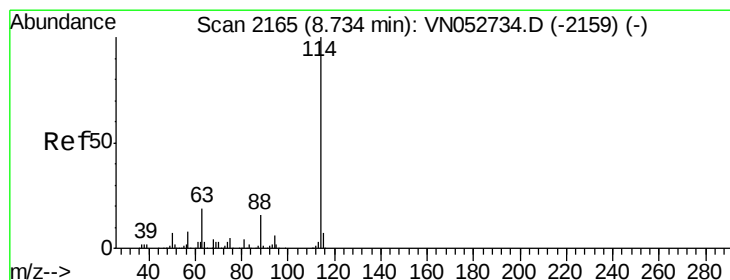
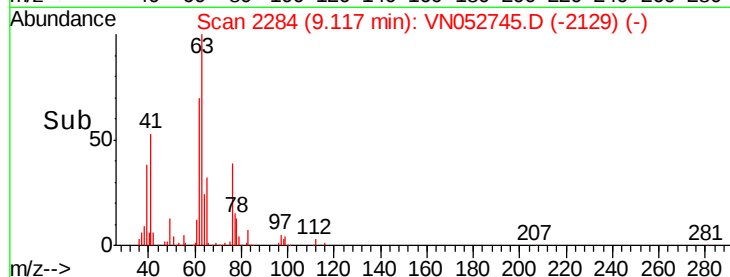
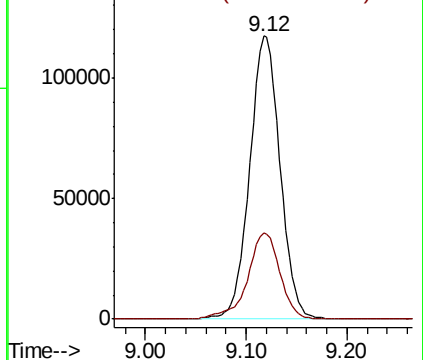
63 100

65 30.4 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VNO

Ion 65.00 (64.70 to 65.70): VNO



#40

Dibromomethane

Concen: 21.057 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

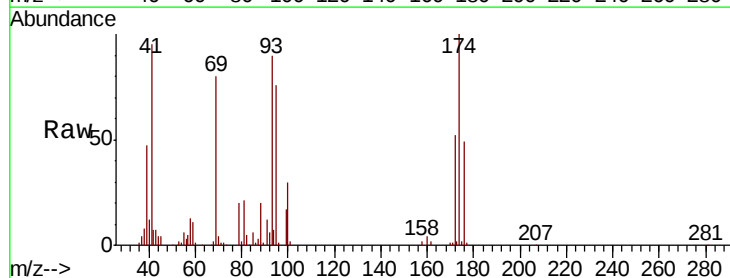
Tgt Ion: 93 Resp: 140055

Ion Ratio Lower Upper

93 100

95 83.8 0.0 168.4

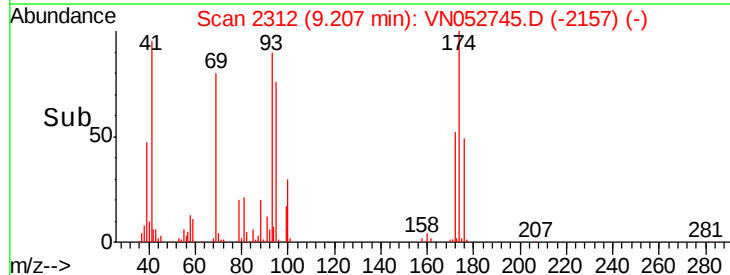
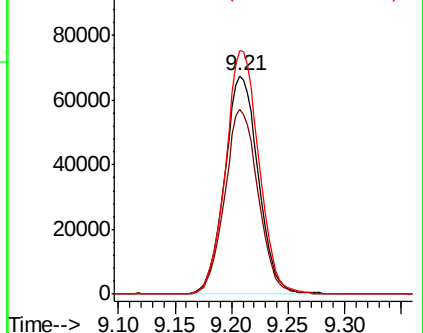
174 110.3 0.0 210.0

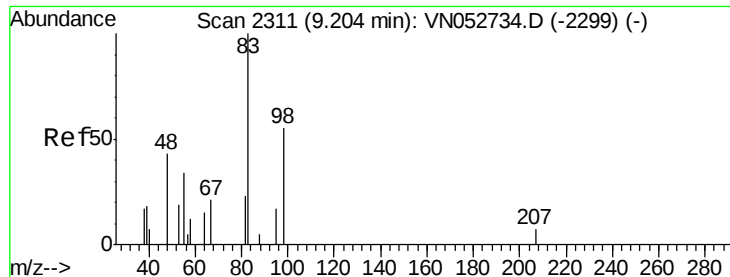


Abundance Ion 93.00 (92.70 to 93.70): VNO

Ion 95.00 (94.70 to 95.70): VNO

Ion 174.00 (173.70 to 174.70): VNO





#41

Bromodichloromethane

Concen: 20.104 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

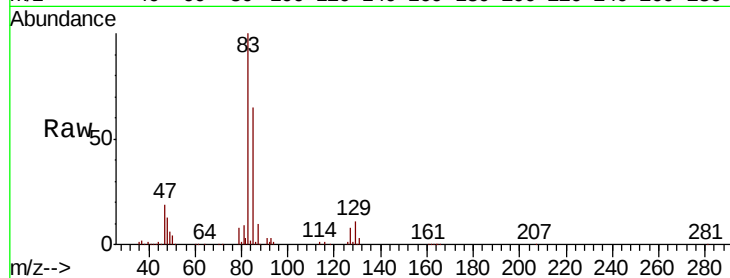
Tot Ion: 83 Resp: 295430

Ion Ratio Lower Upper

83 100

85 65.2 52.4 78.6

127 8.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052734.D (-2299) (-)

Ion 85.00 (84.70 to 85.70): VN052734.D (-2299) (-)

Ion 127.00 (126.70 to 127.70): VN052734.D (-2299) (-)

9.40

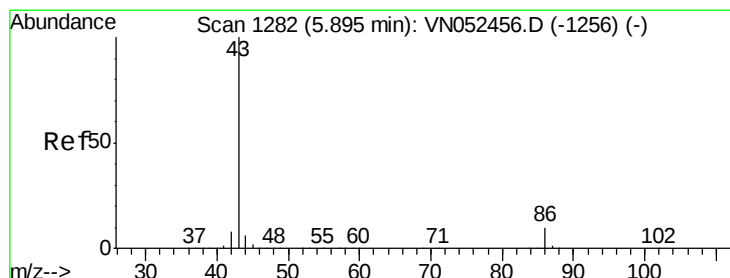
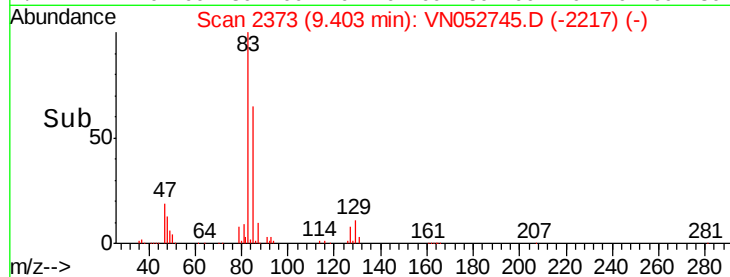
150000

100000

50000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#42

Vinyl Acetate

Concen: 91.952 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052745.D

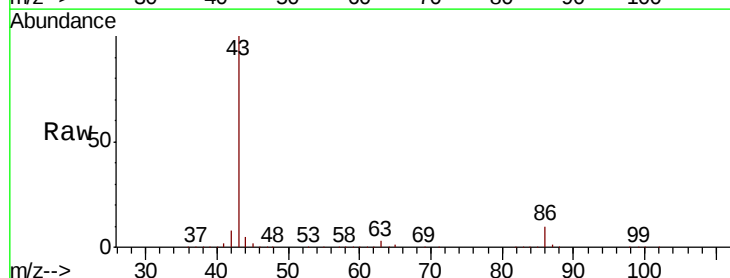
Acq: 10 Dec 2018 11:37

Tgt Ion: 43 Resp: 2033116

Ion Ratio Lower Upper

43 100

86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052456.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN052456.D (-1256) (-)

5.90

600000

500000

400000

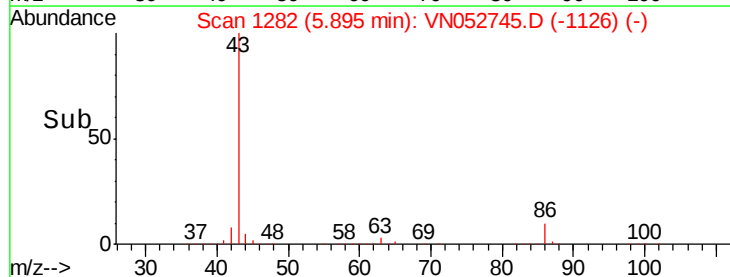
300000

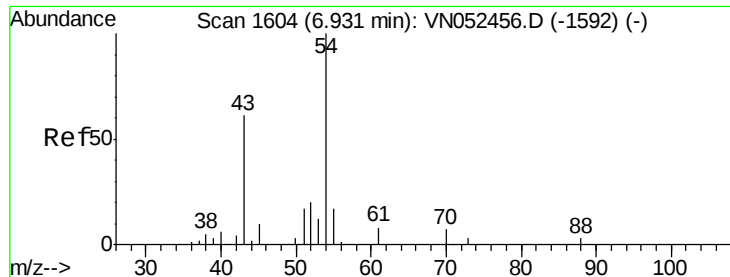
200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10

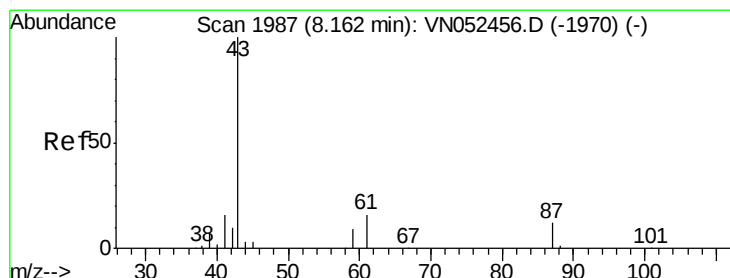
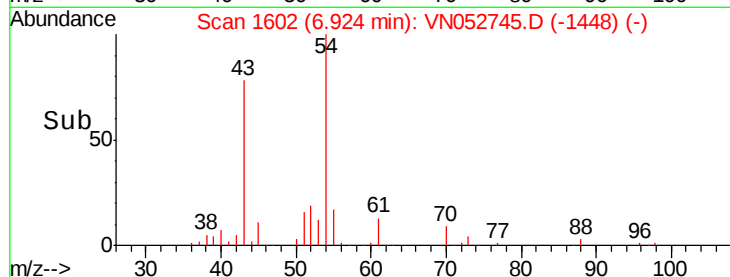
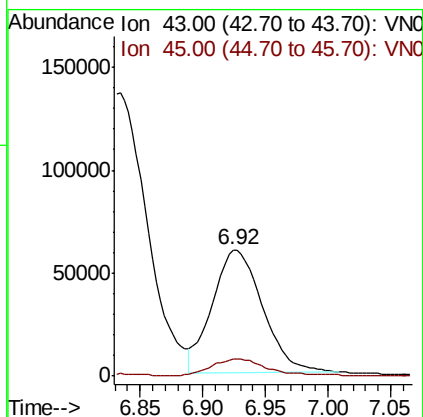
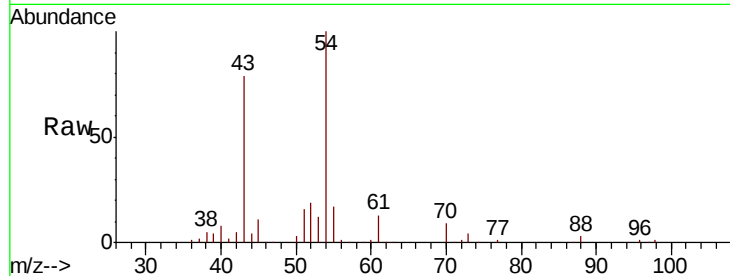




#43
Ethyl Acetate
Concen: 19.238 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

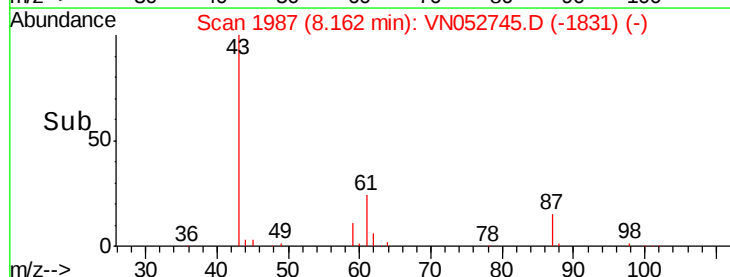
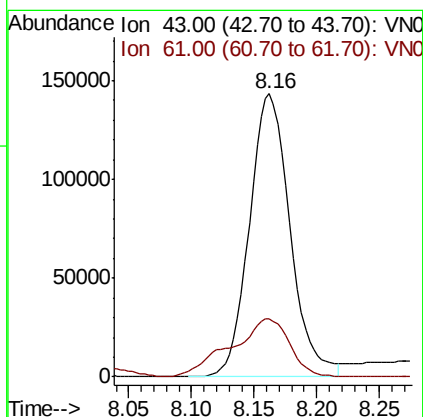
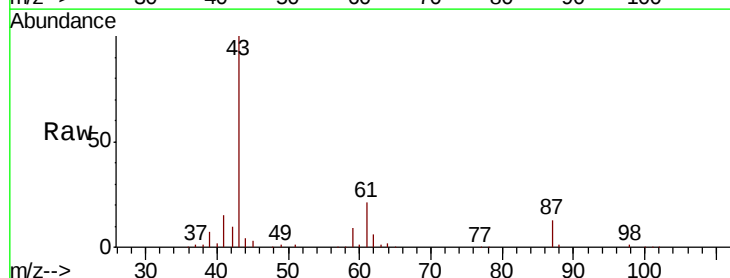
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

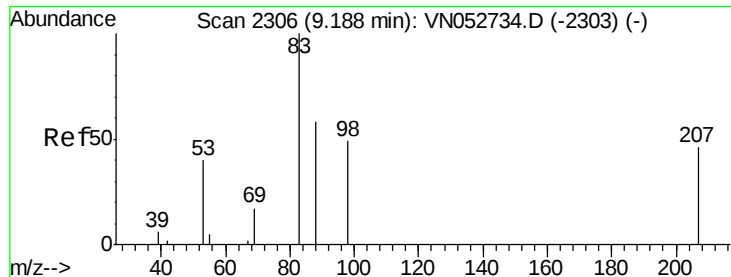
Tot Ion: 43 Resp: 167172
Ion Ratio Lower Upper
43 100
45 13.8 1.0 1.6#



#44
Isopropyl Acetate
Concen: 21.195 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 43 Resp: 323014
Ion Ratio Lower Upper
43 100
61 29.4 16.0 24.0#





#45

1,4-Dioxane

Concen: 452.396 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

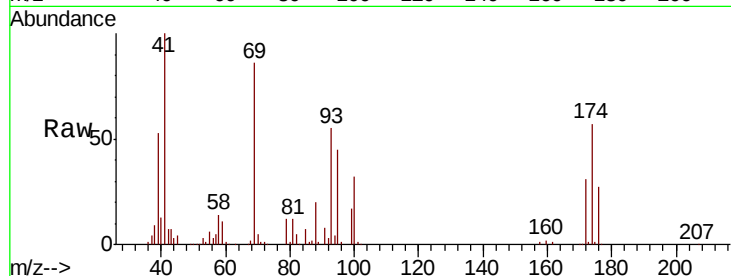
Tot Ion: 88 Resp: 37717

Ion Ratio Lower Upper

88 100

43 31.4 29.5 44.3

58 68.3 61.5 92.3

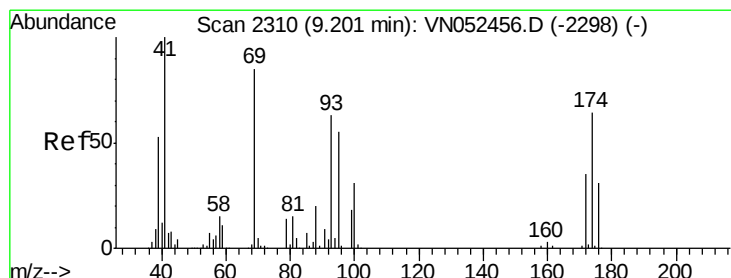
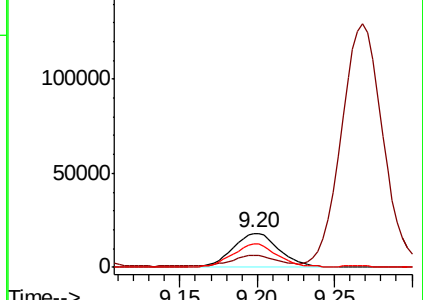
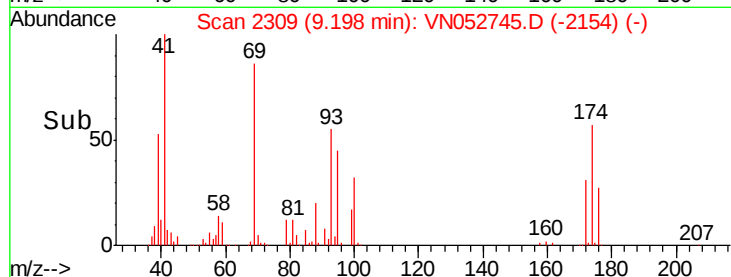


Abundance Ion 88.00 (87.70 to 88.70): VN052734.D (-2303) (-)

Ion 43.00 (42.70 to 43.70): VN052734.D (-2303) (-)

Ion 58.00 (57.70 to 58.70): VN052734.D (-2303) (-)

Time-->



#46

Methyl methacrylate

Concen: 20.673 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

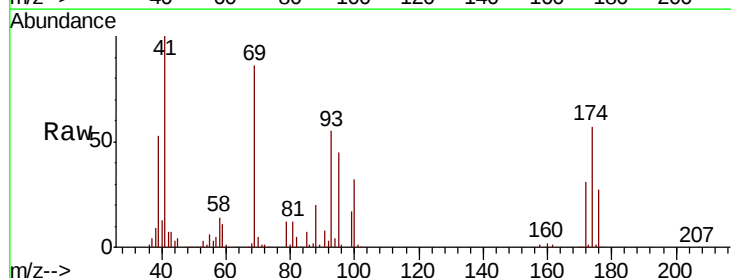
Tgt Ion: 41 Resp: 163581

Ion Ratio Lower Upper

41 100

69 87.0 42.5 127.6

39 52.6 26.3 78.9

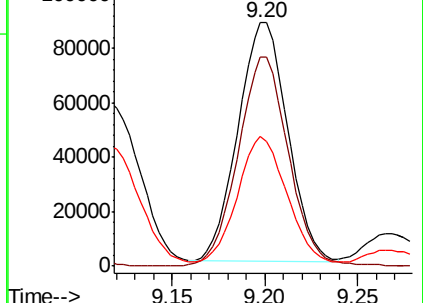
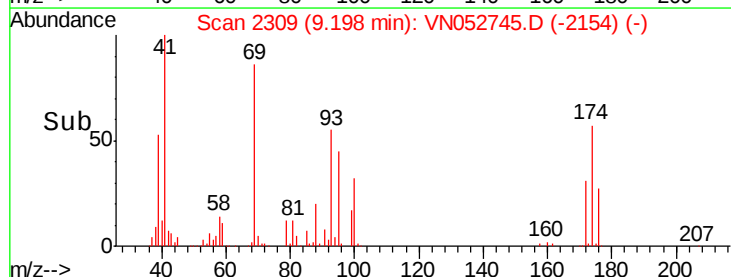


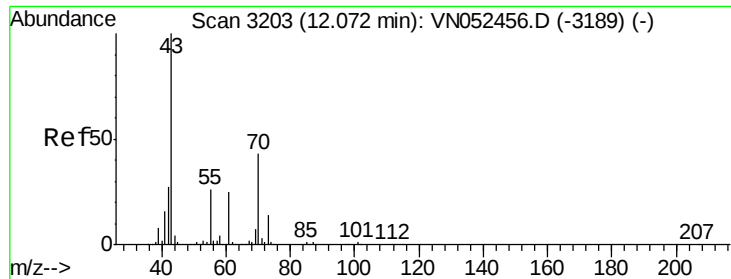
Abundance Ion 41.00 (40.70 to 41.70): VN052456.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052456.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052456.D (-2298) (-)

Time-->

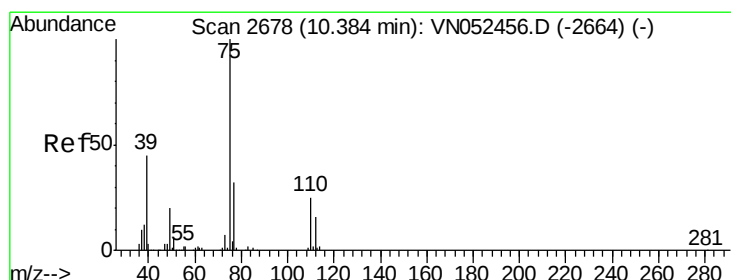
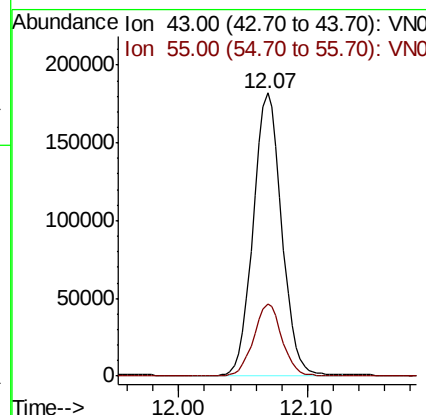
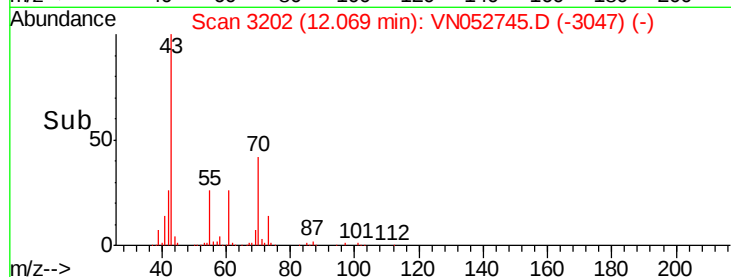
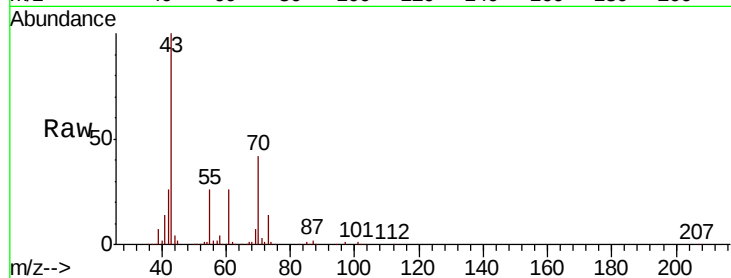




#47
n-amvl Acetate
Concen: 22.173 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

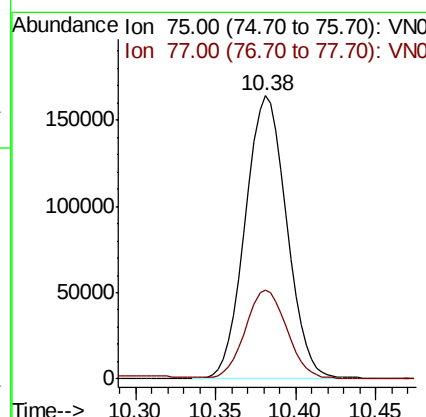
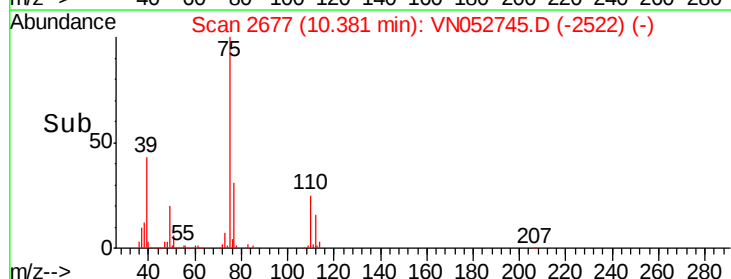
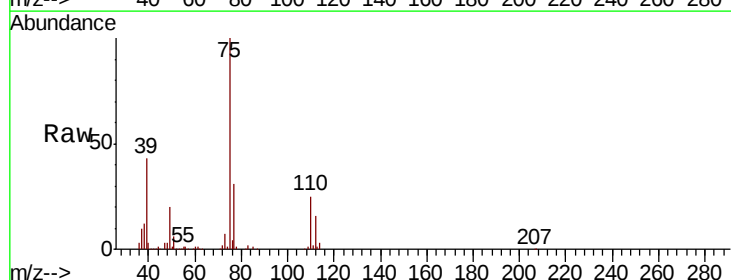
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

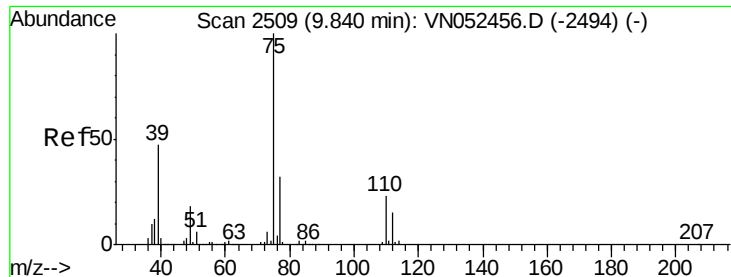
Tot Ion: 43 Resp: 280172
Ion Ratio Lower Upper
43 100
55 25.4 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 20.411 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 75 Resp: 290822
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.076 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

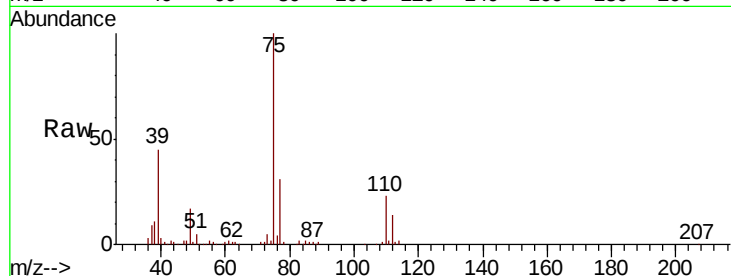
Tot Ion: 75 Resp: 348513

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 45.3 37.3 55.9

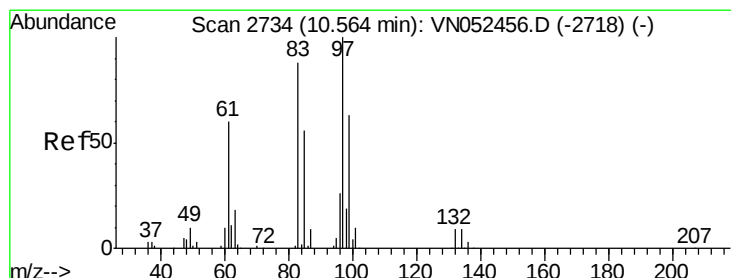
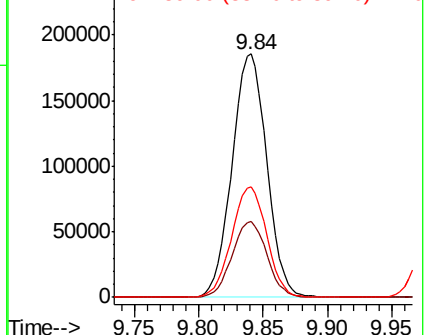
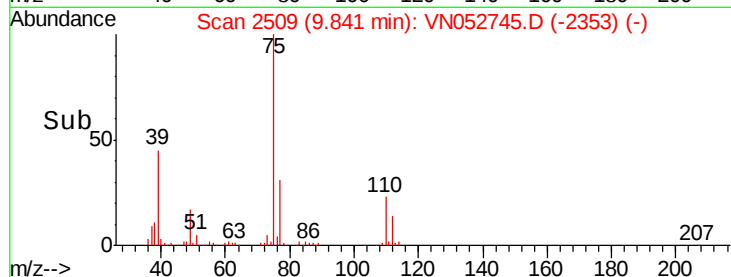


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 20.995 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion: 97 Resp: 197939

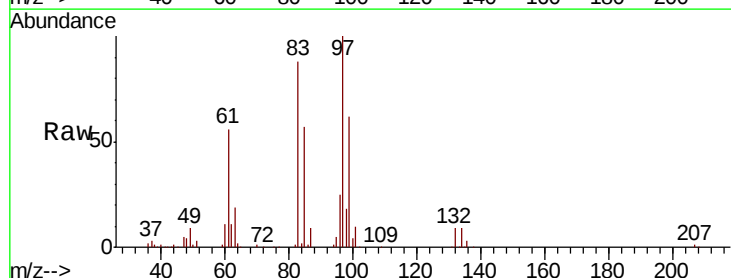
Ion Ratio Lower Upper

97 100

83 87.7 70.4 105.6

85 56.5 45.0 67.6

99 62.0 50.2 75.2



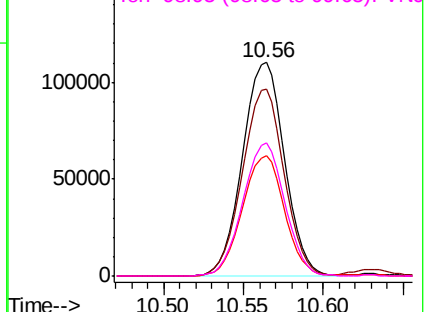
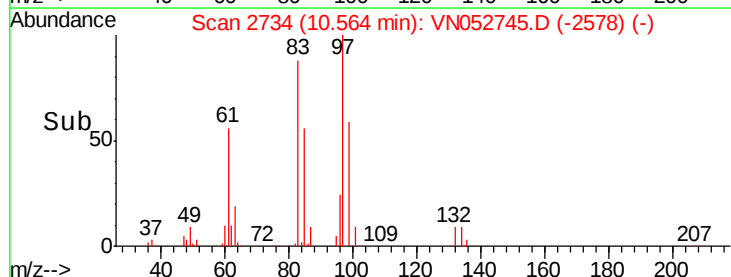
Abundance

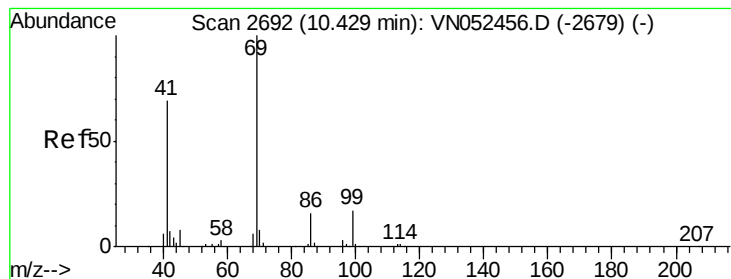
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 21.073 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

VN1210WBS01

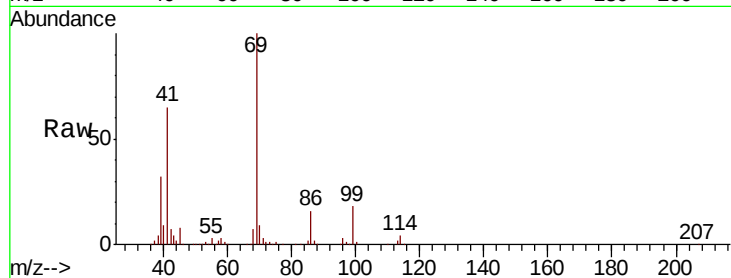
Tot Ion: 69 Resp: 249523

Ion	Ratio	Lower	Upper
69	100		
41	64.2	34.4	103.3
39	31.8	16.4	49.2

69 100

41 64.2 34.4 103.3

39 31.8 16.4 49.2

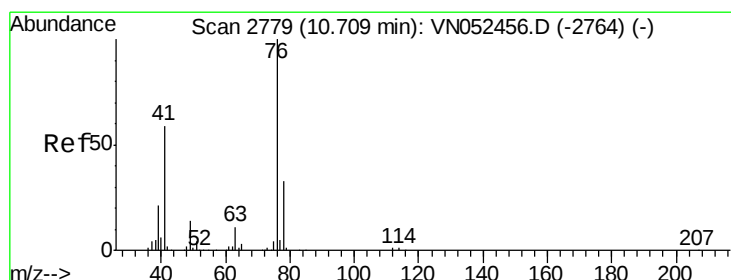
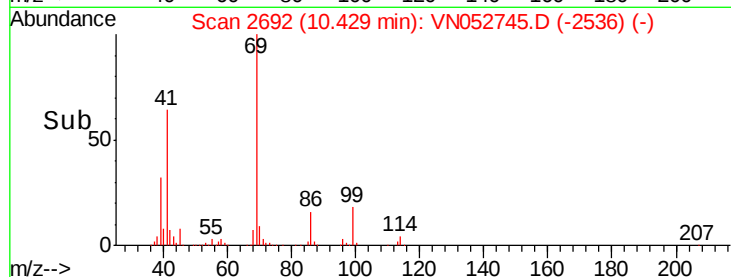
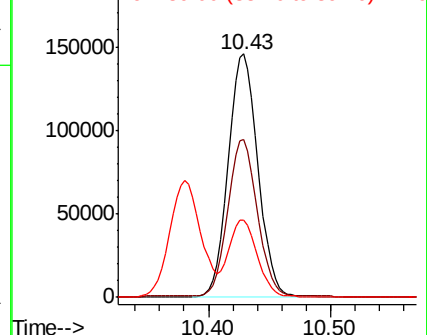


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.211 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052745.D

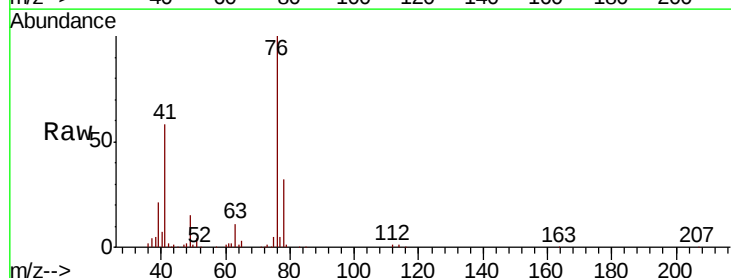
Acq: 10 Dec 2018 11:37

Tgt Ion: 76 Resp: 339168

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.8

76 100

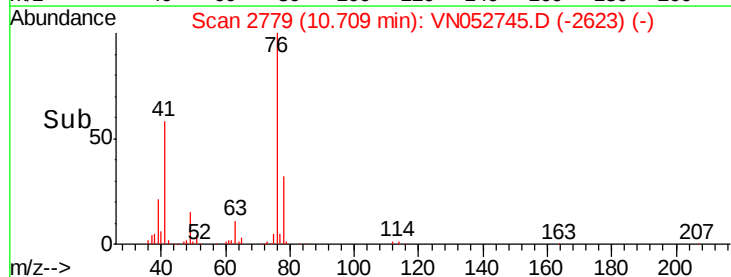
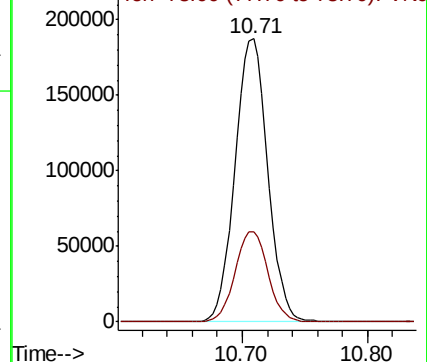
78 32.1 0.0 64.8

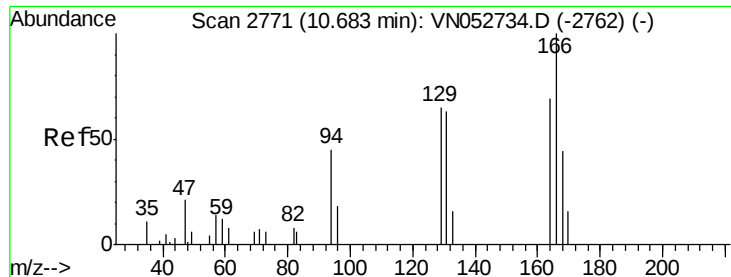


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.671 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

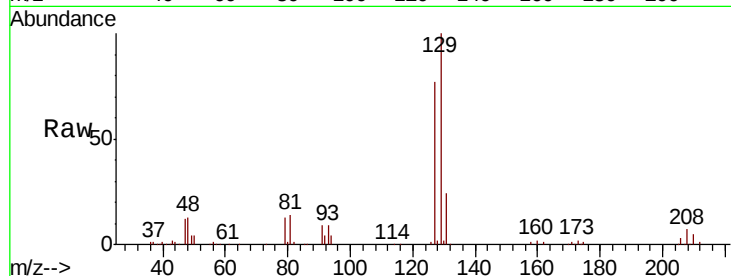
VN1210WBS01

Tot Ion:129 Resp: 214562

Ion Ratio Lower Upper

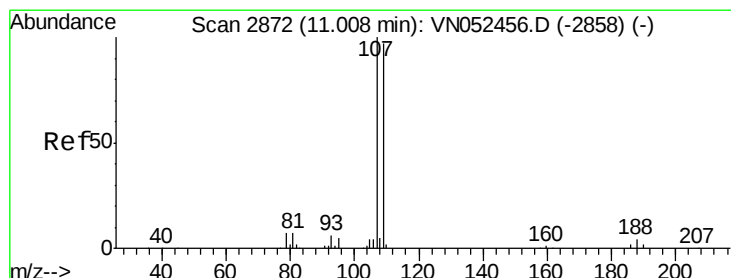
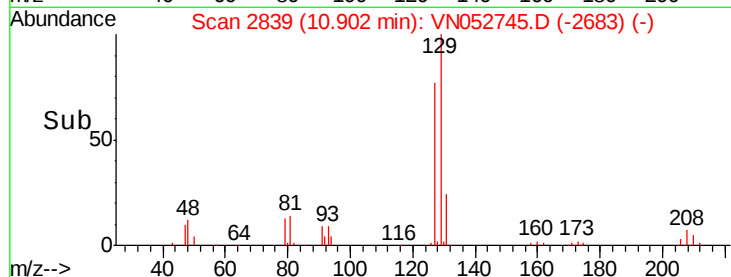
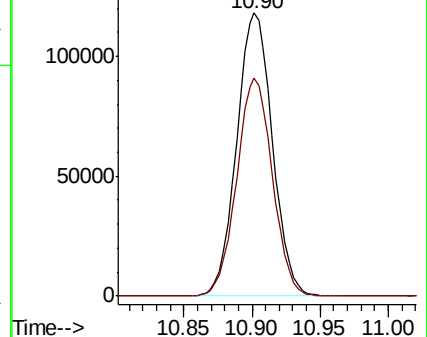
129 100

127 76.9 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.991 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052745.D

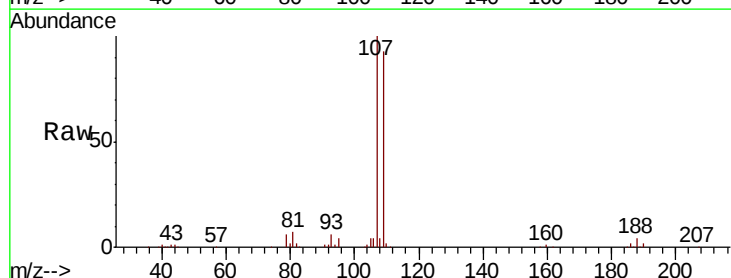
Acq: 10 Dec 2018 11:37

Tgt Ion:107 Resp: 193387

Ion Ratio Lower Upper

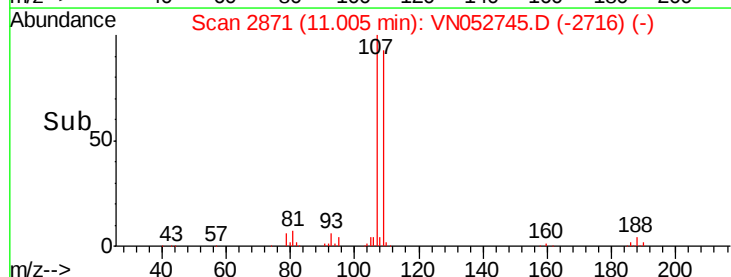
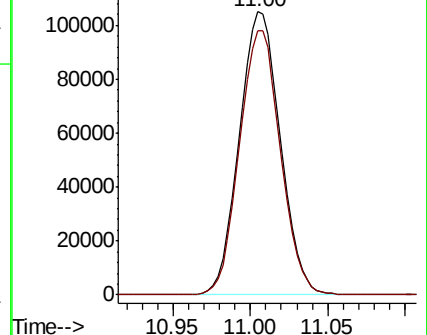
107 100

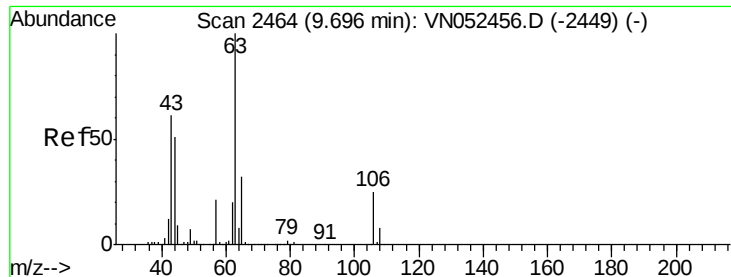
109 93.4 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 104.241 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

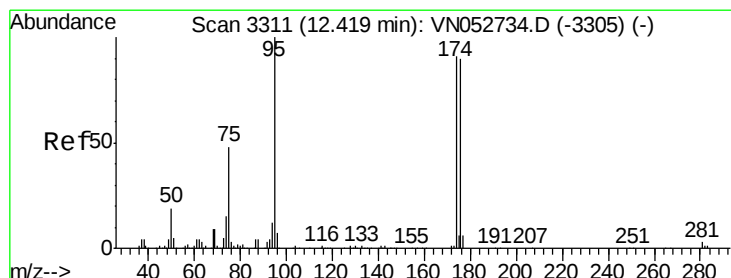
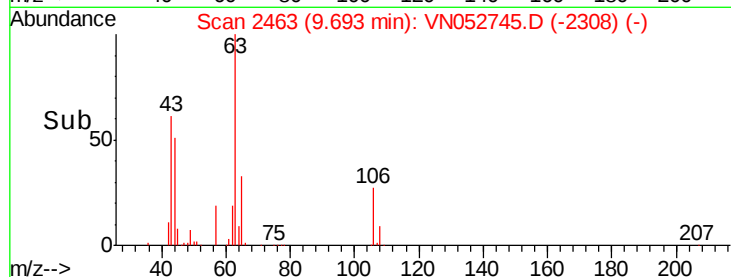
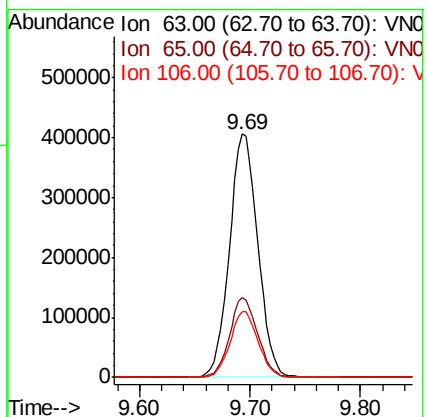
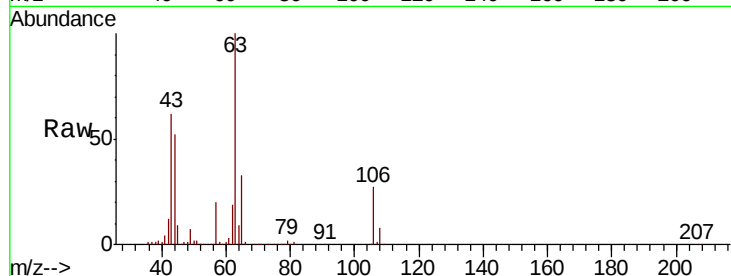
Tot Ion: 63 Resp: 722515

Ion Ratio Lower Upper

63 100

65 32.3 25.4 38.2

106 26.7 20.4 30.6



#56

Bromoform

Concen: 20.626 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

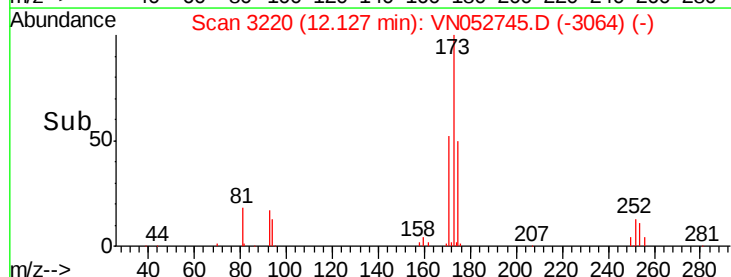
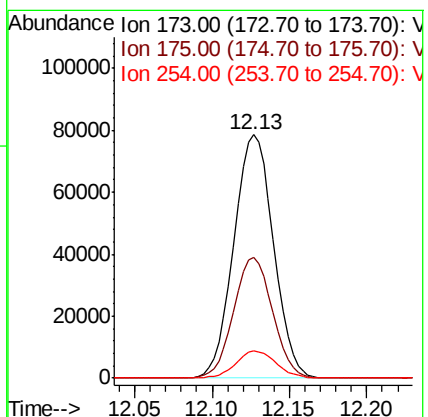
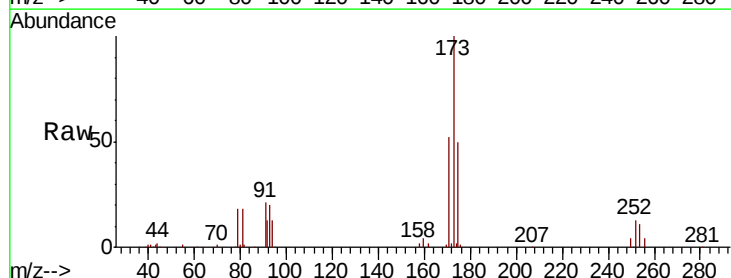
Tgt Ion:173 Resp: 139941

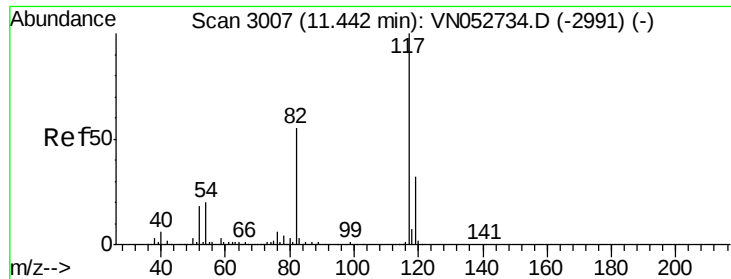
Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

254 11.3 8.4 12.6

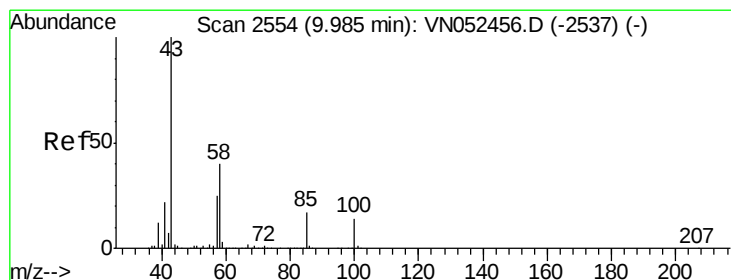
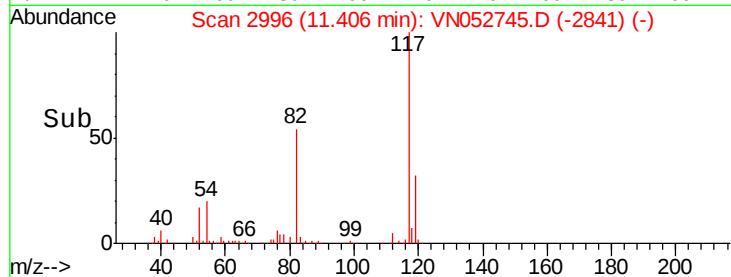
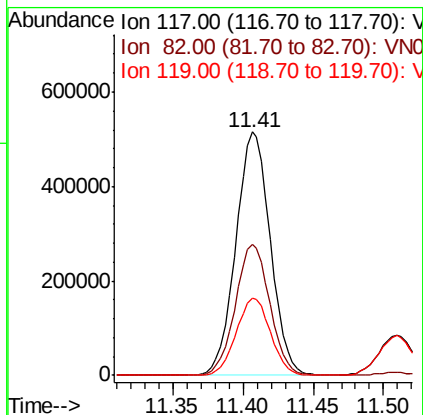
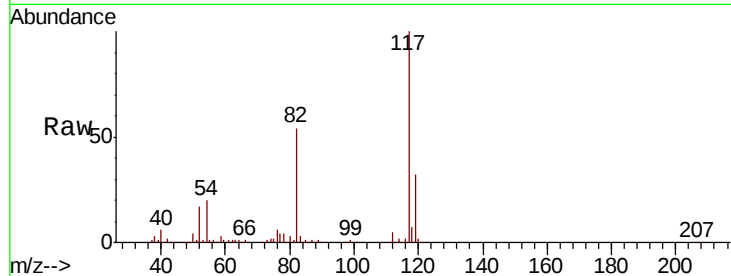




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

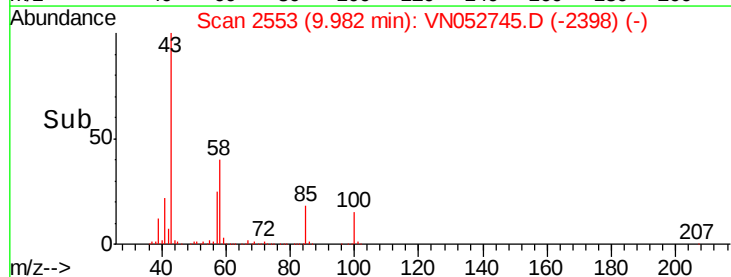
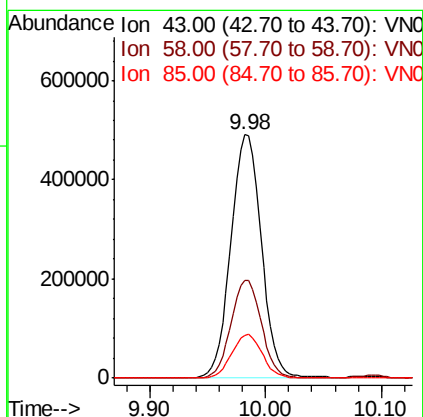
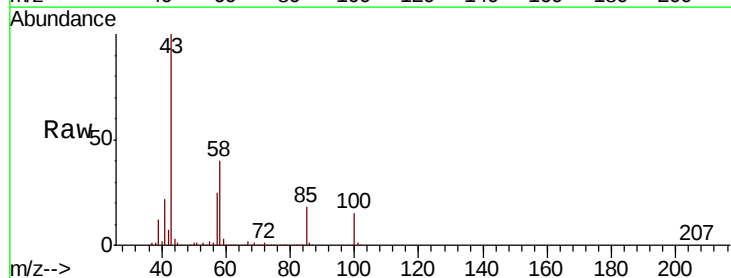
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

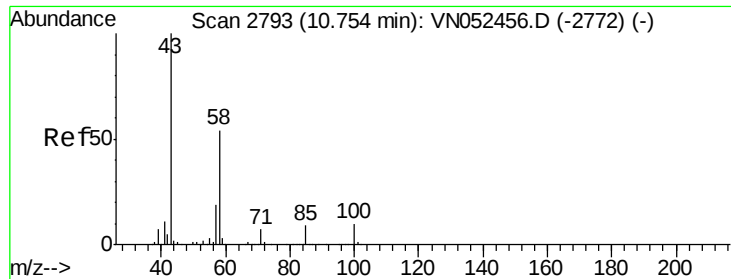
Tot Ion:117 Resp: 882484
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 31.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 104.798 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 43 Resp: 896592
Ion Ratio Lower Upper
43 100
58 40.1 31.6 47.4
85 17.9 13.3 19.9

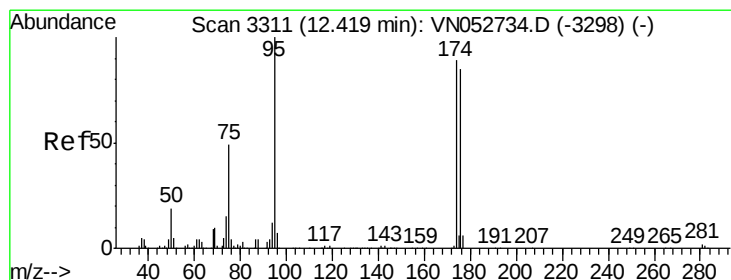
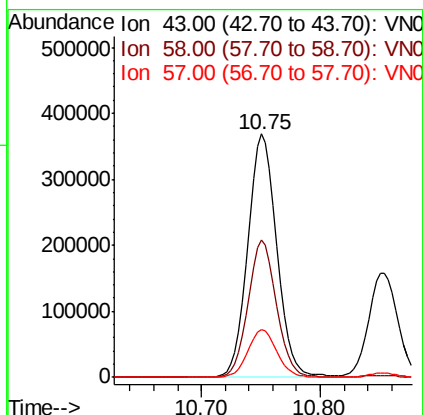
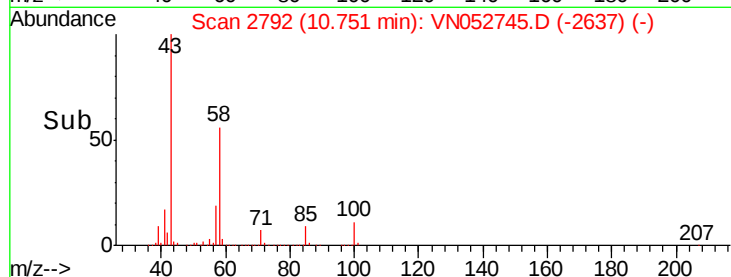
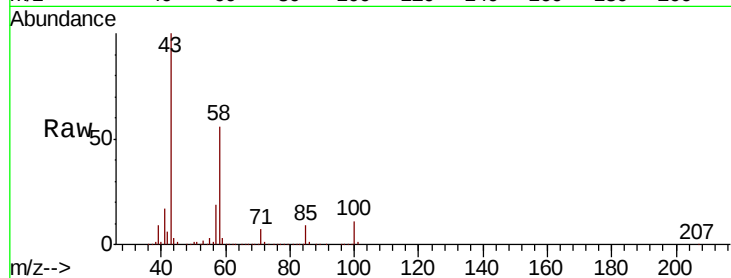




#59
2-Hexanone
Concen: 106.220 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

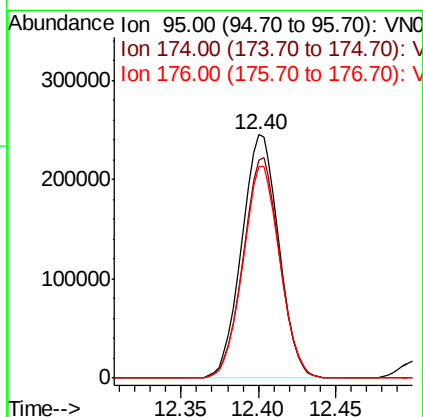
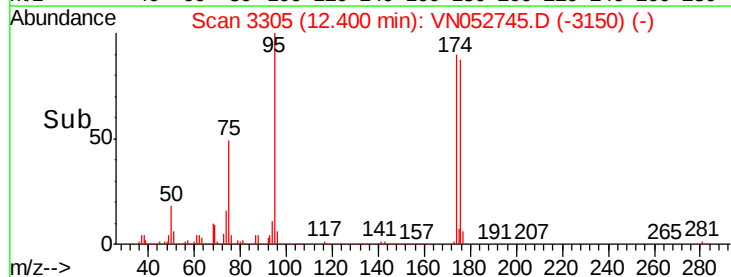
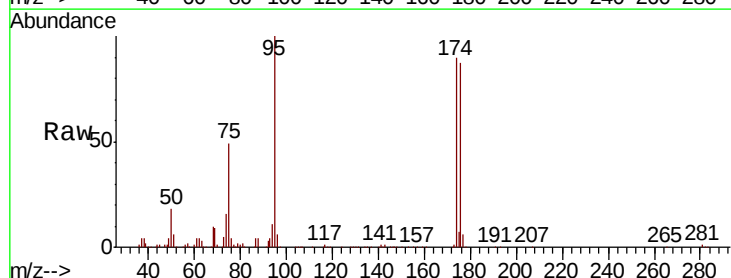
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

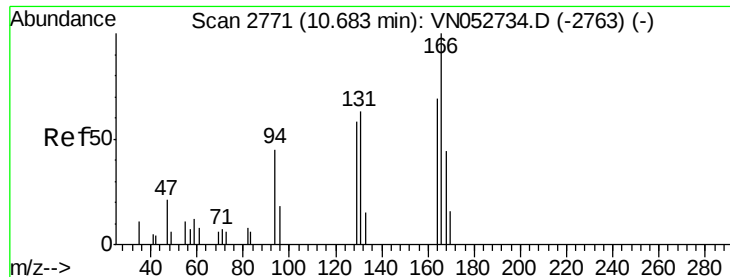
Tot Ion: 43 Resp: 620786
Ion Ratio Lower Upper
43 100
58 55.4 43.2 64.8
57 19.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 106.220 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 95 Resp: 409633
Ion Ratio Lower Upper
95 100
174 89.0 67.9 101.9
176 86.7 66.4 99.6





#61

Tetrachloroethene

Concen: 24.905 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:164 Resp: 270691

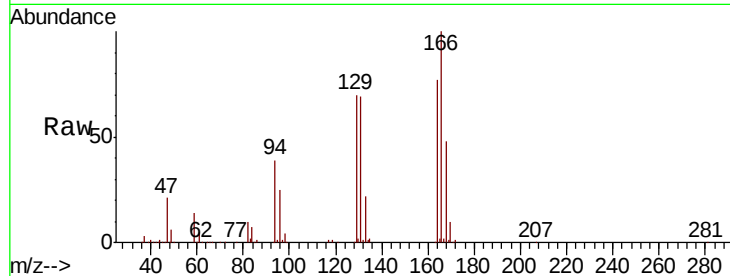
Ion Ratio Lower Upper

164 100

166 129.6 104.6 157.0

129 91.2 75.3 112.9

131 88.9 74.3 111.5

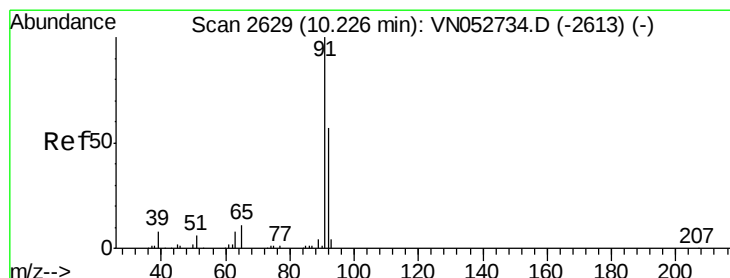
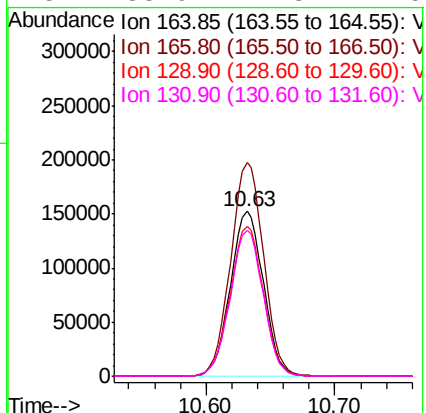
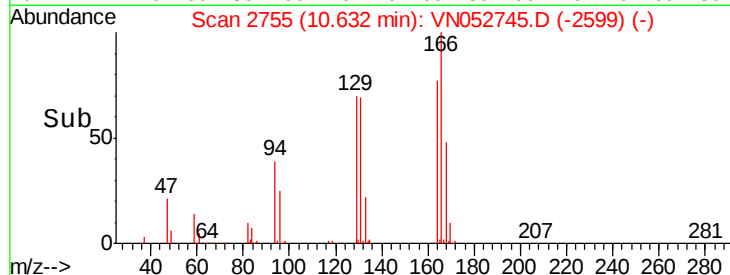


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.178 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052745.D

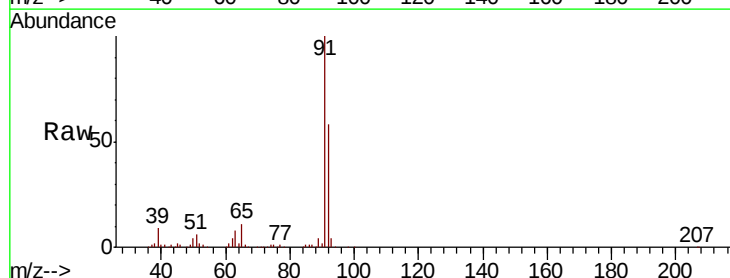
Acq: 10 Dec 2018 11:37

Tgt Ion: 91 Resp: 981621

Ion Ratio Lower Upper

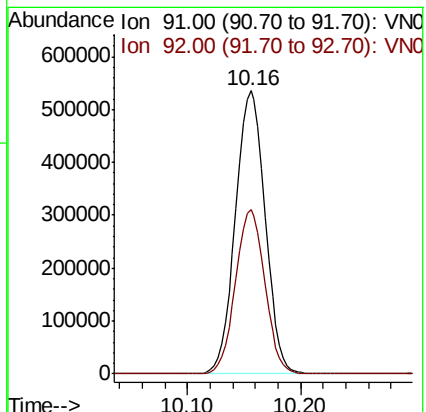
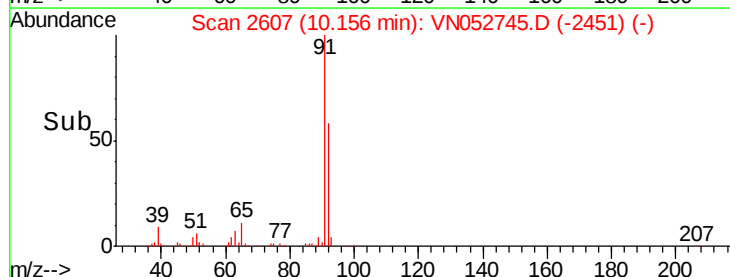
91 100

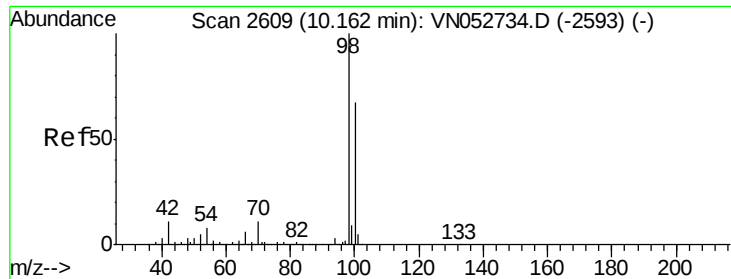
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.178 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

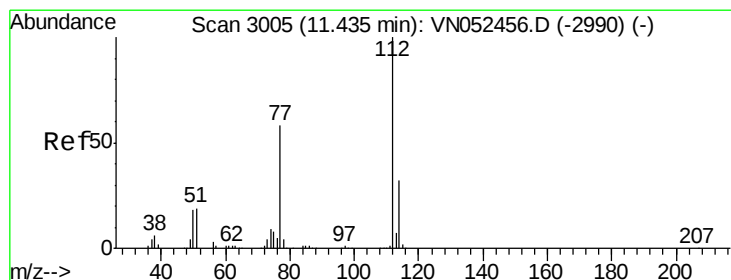
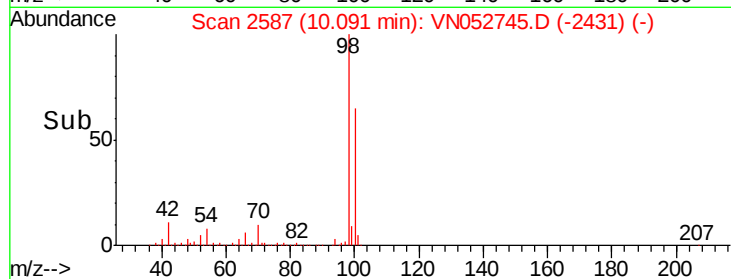
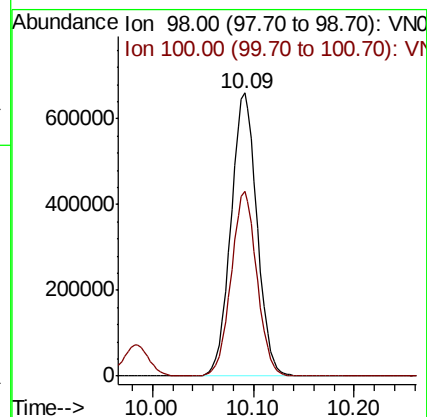
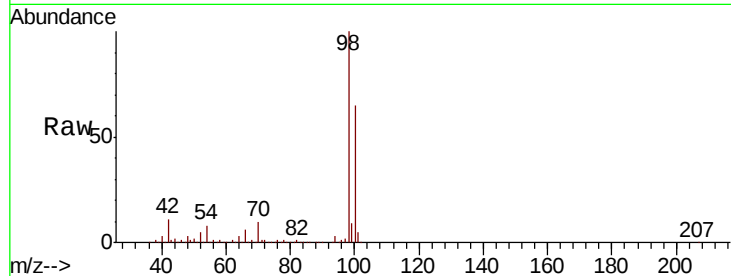
VN1210WBS01

Tot Ion: 98 Resp: 1188757

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



#64

Chlorobenzene

Concen: 20.617 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052745.D

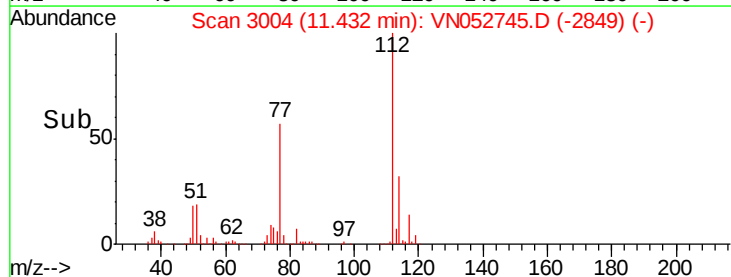
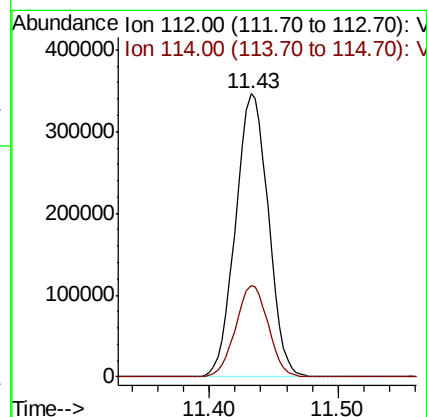
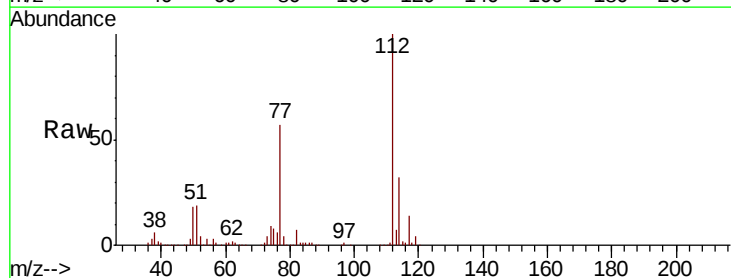
Acq: 10 Dec 2018 11:37

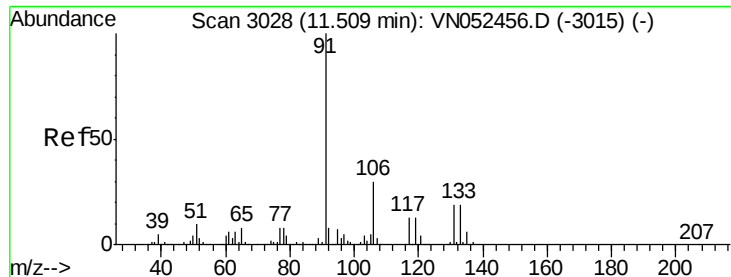
Tgt Ion: 112 Resp: 612184

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.090 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

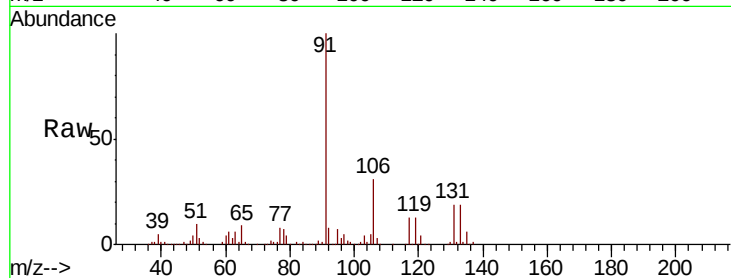
Tot Ion:131 Resp: 217370

Ion Ratio Lower Upper

131 100

133 95.4 0.0 193.4

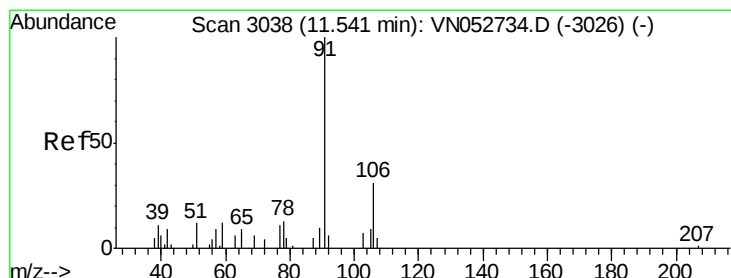
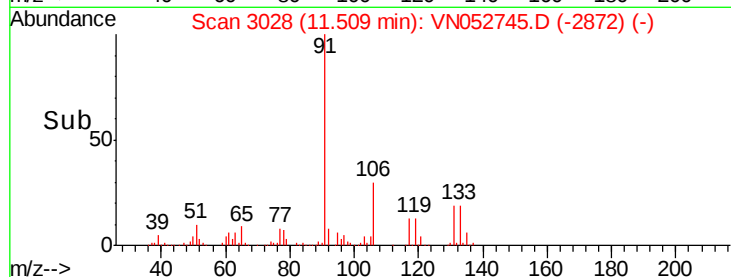
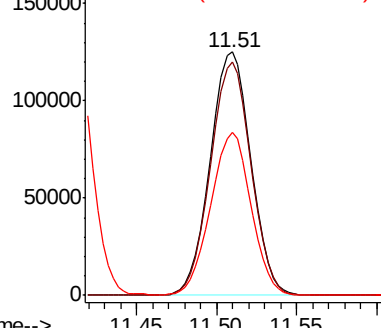
119 66.4 0.0 133.0



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: 20.434 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052745.D

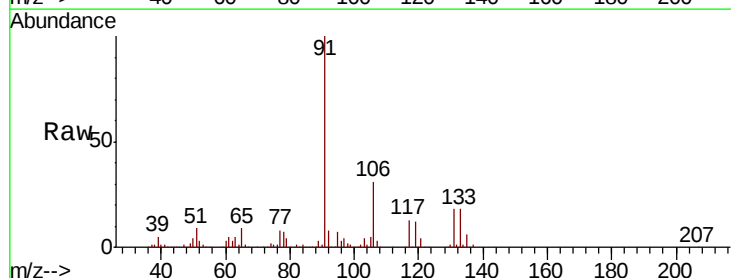
Acq: 10 Dec 2018 11:37

Tgt Ion: 91 Resp: 1071411

Ion Ratio Lower Upper

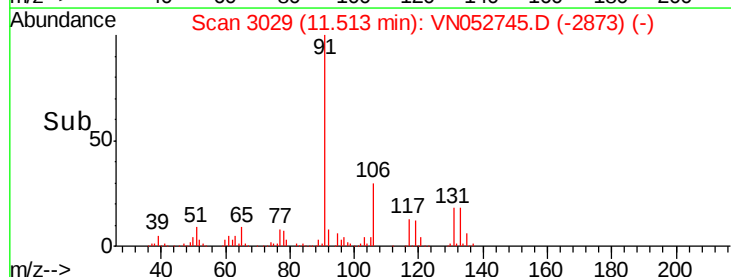
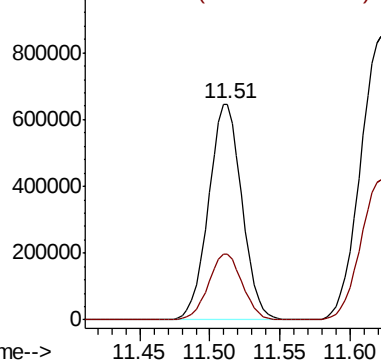
91 100

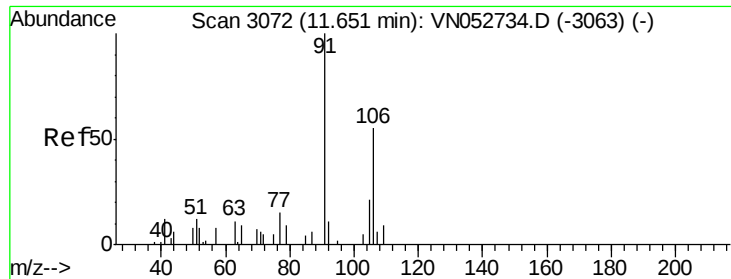
106 30.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

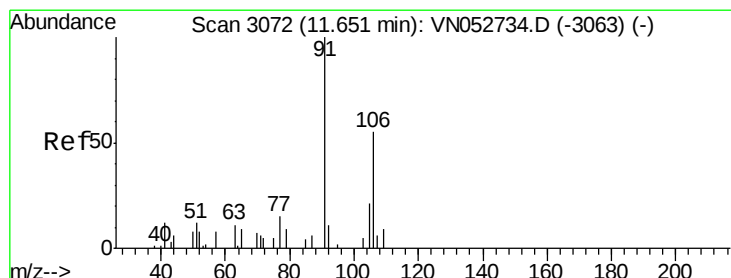
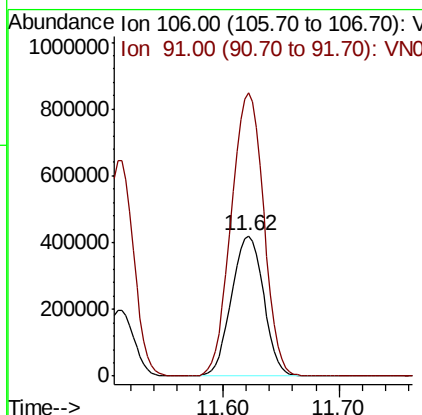
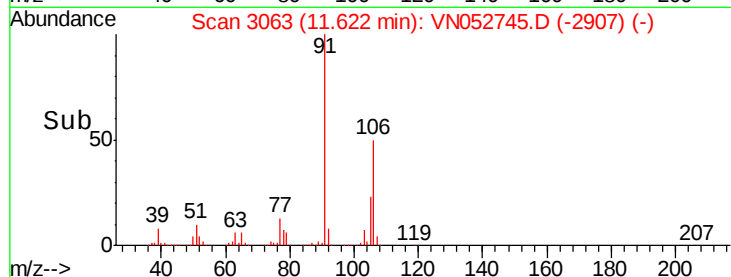
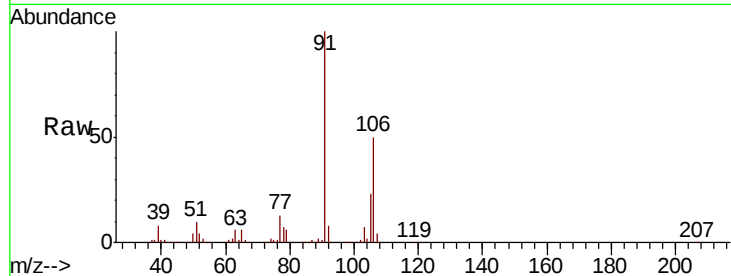




#67
m/p-Xylenes
Concen: 41.369 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

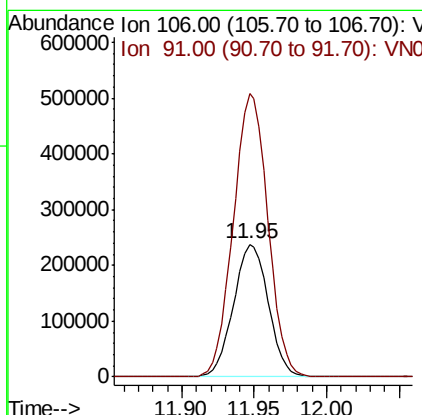
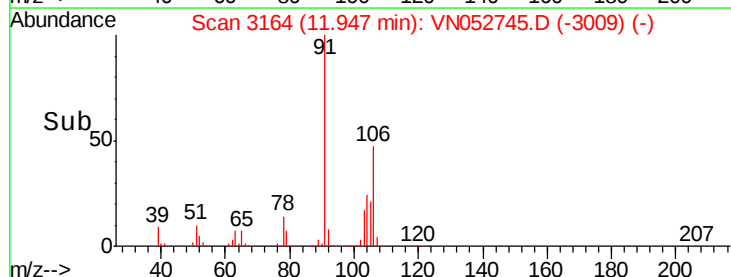
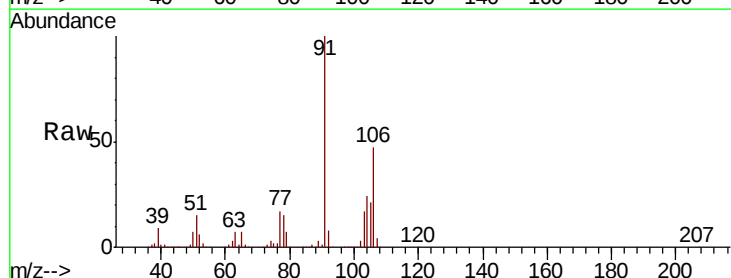
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

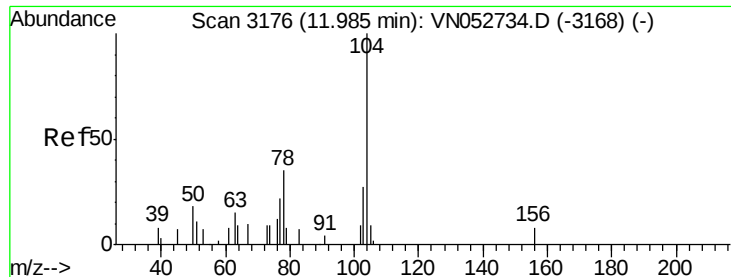
Tot Ion:106 Resp: 808102
Ion Ratio Lower Upper
106 100
91 203.5 163.9 245.9



#68
o-Xylene
Concen: 20.928 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion:106 Resp: 396782
Ion Ratio Lower Upper
106 100
91 211.9 107.8 323.4

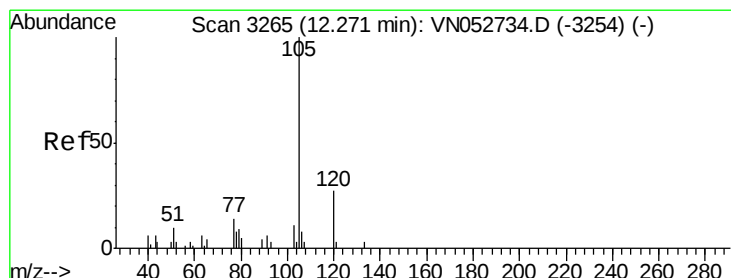
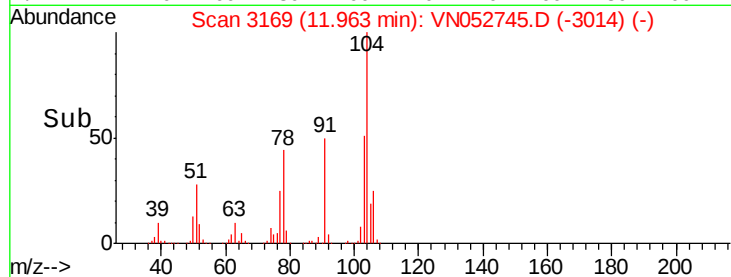
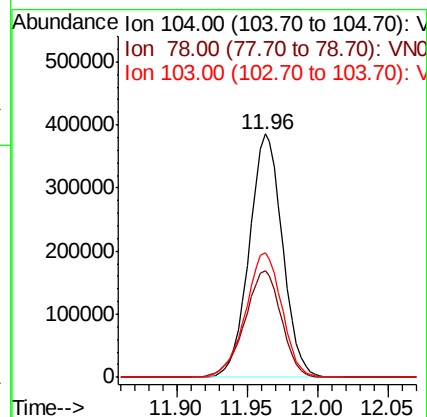
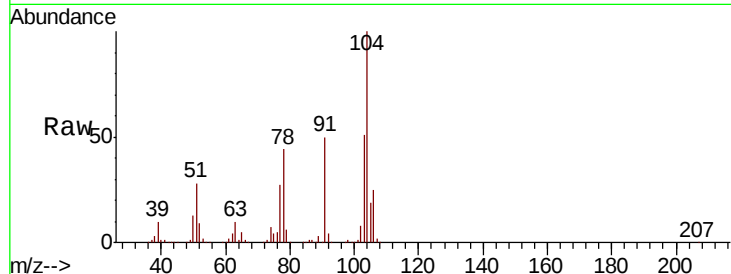




#69
Stvrene
Concen: 20.828 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

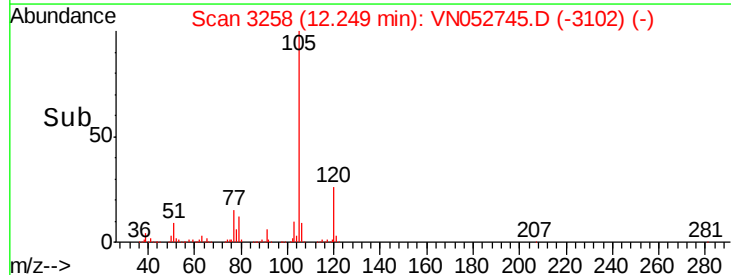
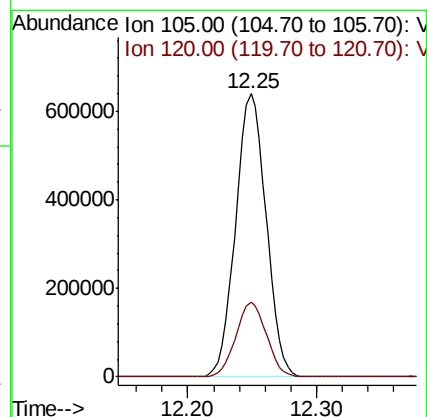
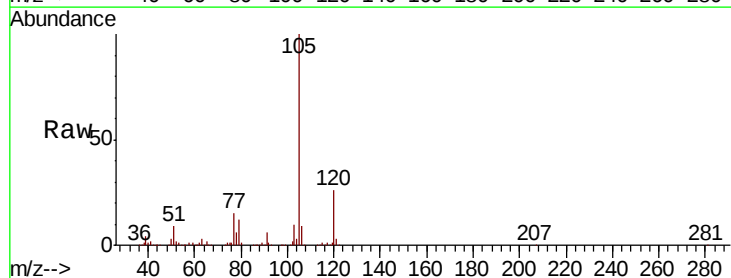
Instrument :
MSVOA_N
ClientSampled :
VN1210WBS01

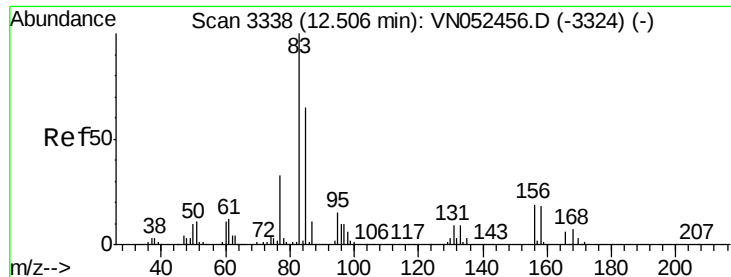
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.3	58.9
103	56.0	44.6	66.8



#70
Isopropylbenzene
Concen: 20.805 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6

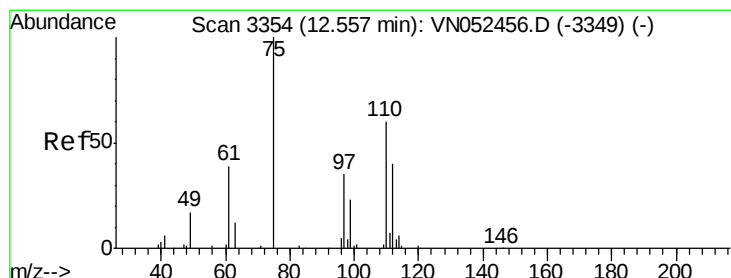
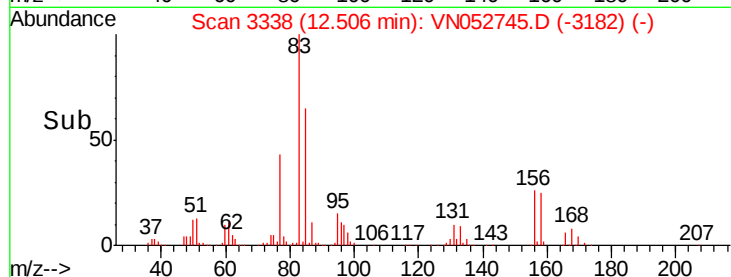
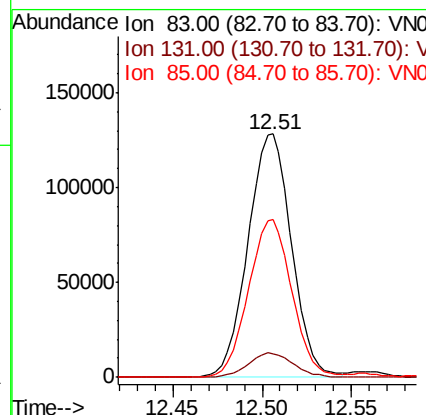
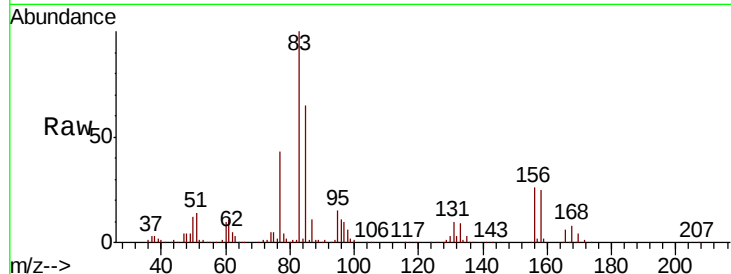




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.975 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

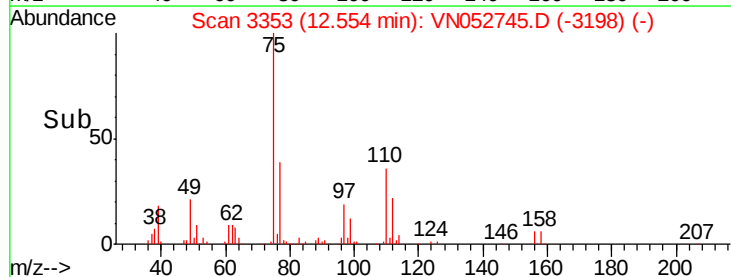
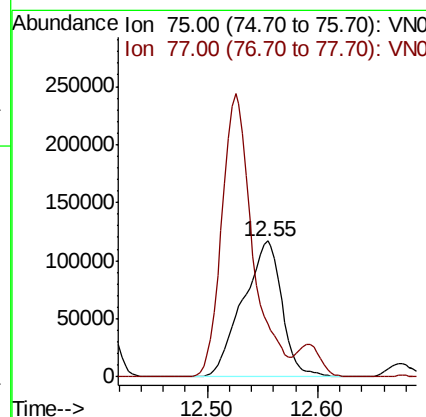
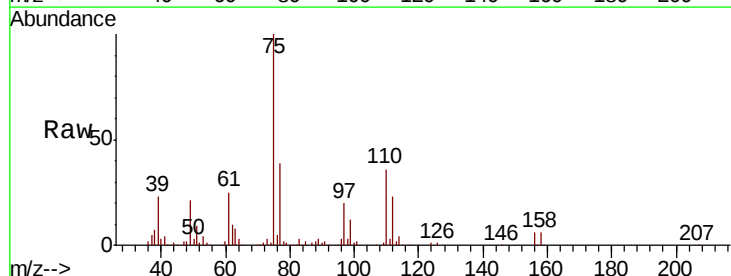
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

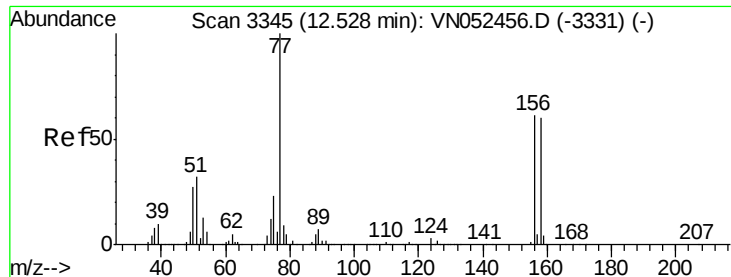
Tot Ion	83	Resp	219192
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	64.3	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.594 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	75	Resp	288188
Ion Ratio	Lower	Upper	
75	100		
77	163.8	0.0	514.8





#73

Bromobenzene

Concen: 21.833 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

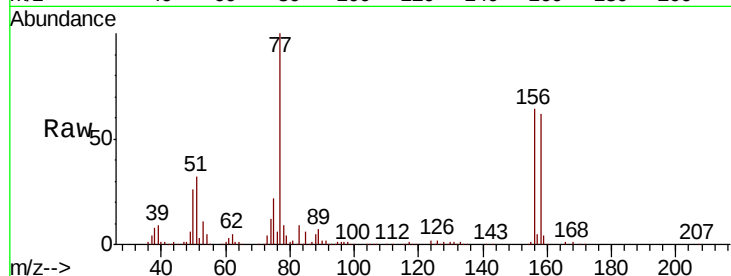
Tot Ion:156 Resp: 266378

Ion Ratio Lower Upper

156 100

77 177.2 0.0 382.6

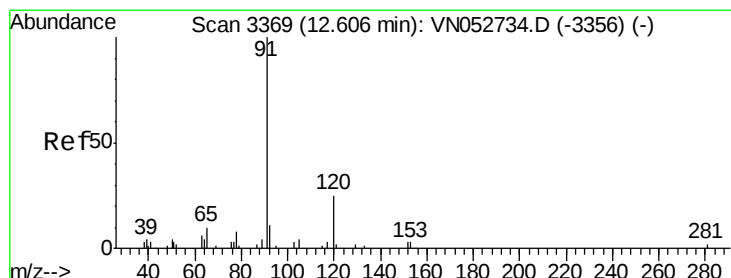
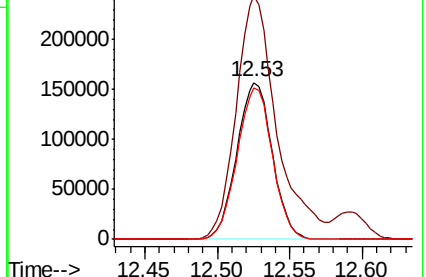
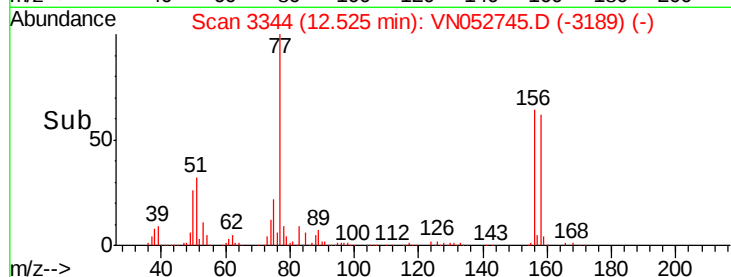
158 96.4 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.755 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052745.D

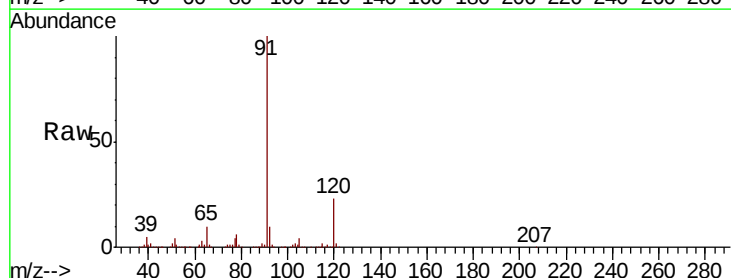
Acq: 10 Dec 2018 11:37

Tgt Ion: 91 Resp: 1219925

Ion Ratio Lower Upper

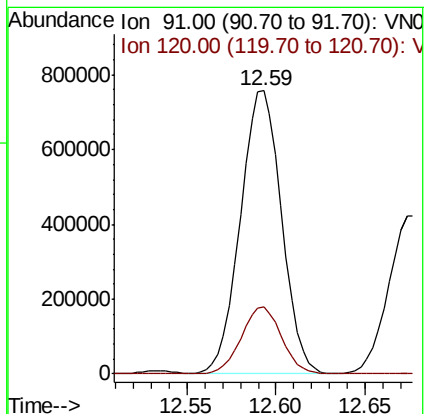
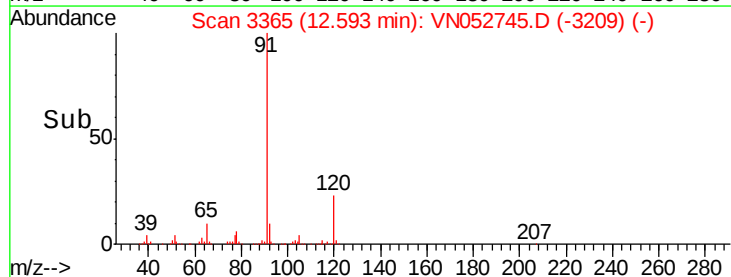
91 100

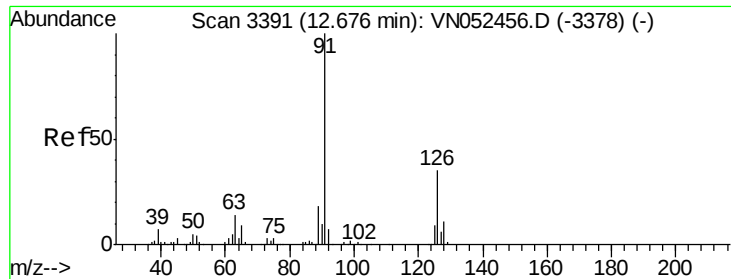
120 23.1 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.851 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

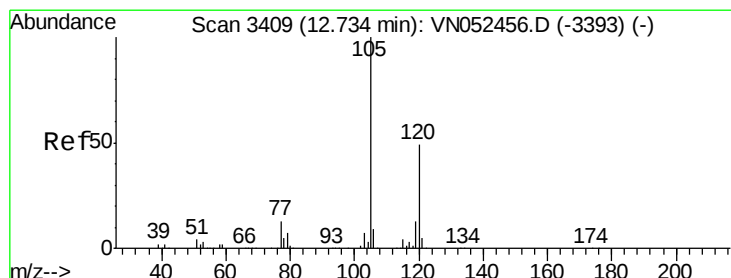
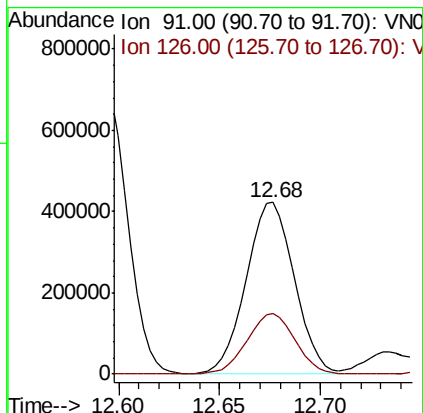
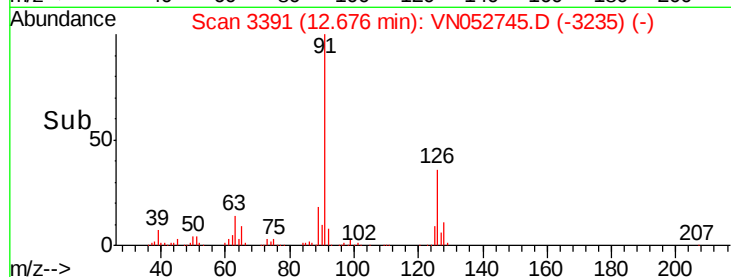
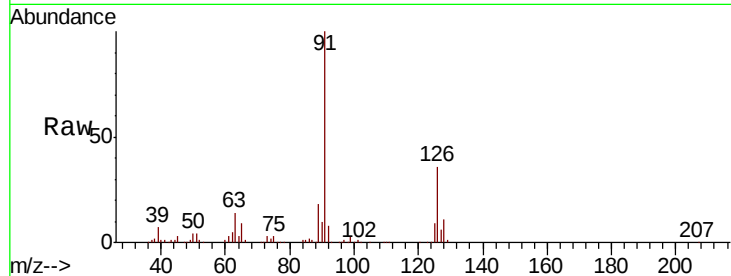
VN1210WBS01

Tot Ion: 91 Resp: 711364

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.068 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052745.D

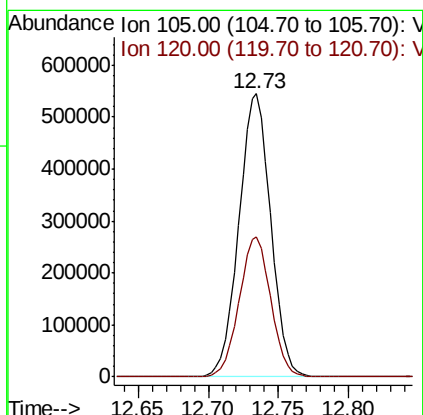
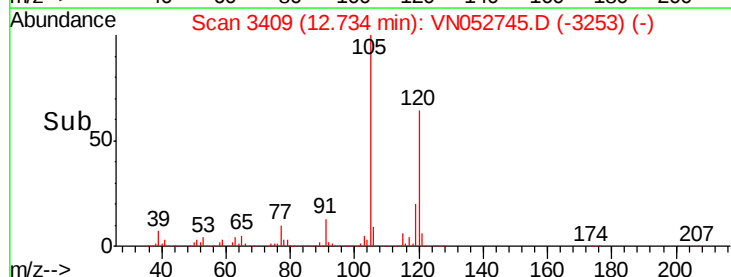
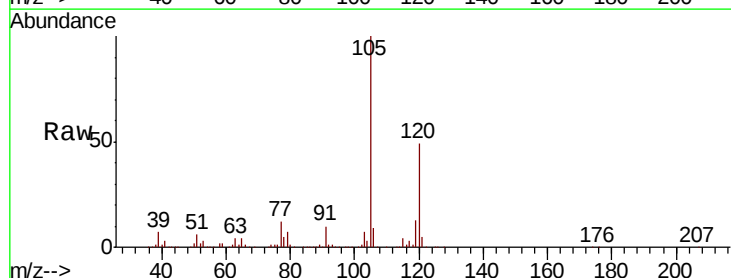
Acq: 10 Dec 2018 11:37

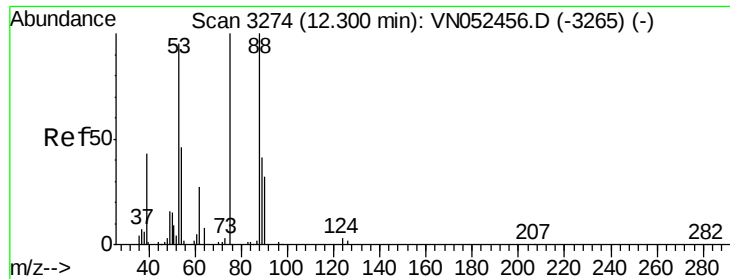
Tgt Ion: 105 Resp: 858407

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.4

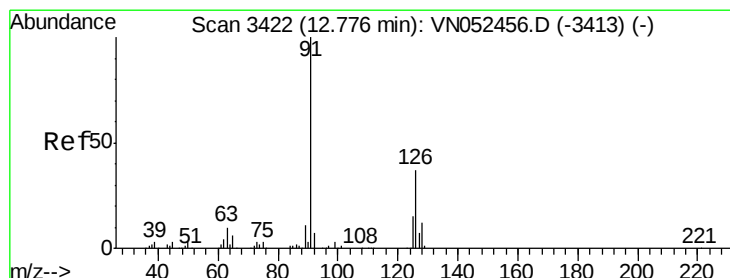
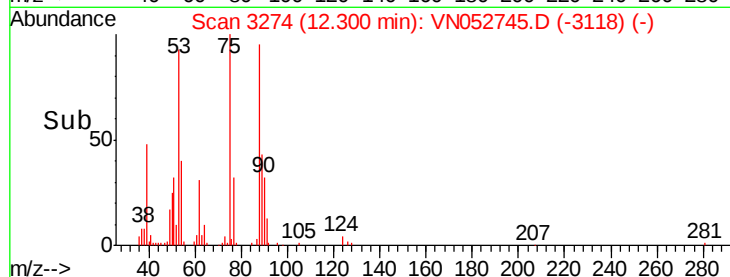
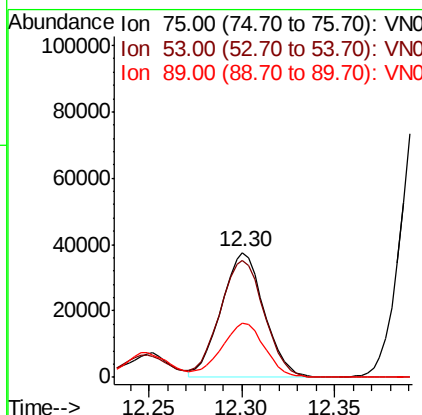
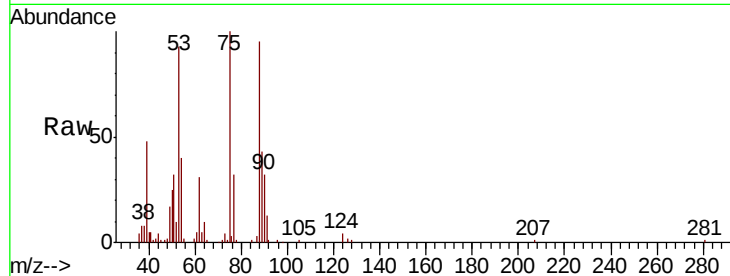




#77
t-1,4-Dichloro-2-butene
Concen: 20.345 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

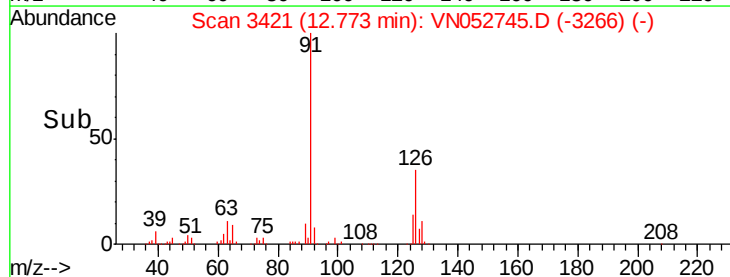
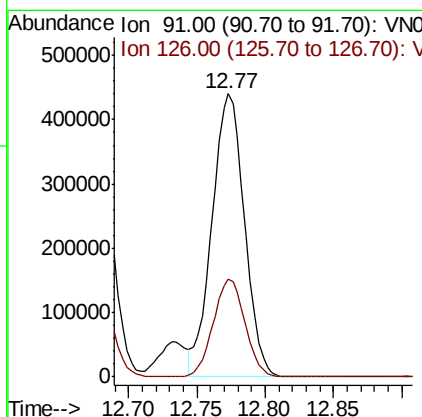
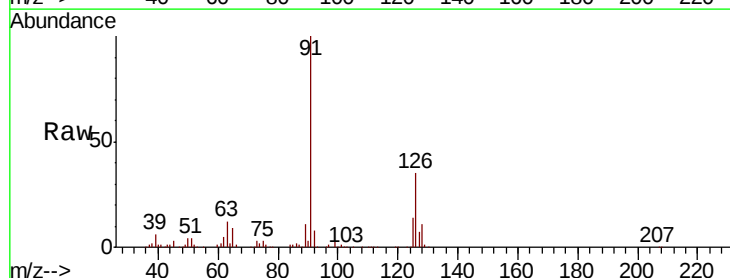
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

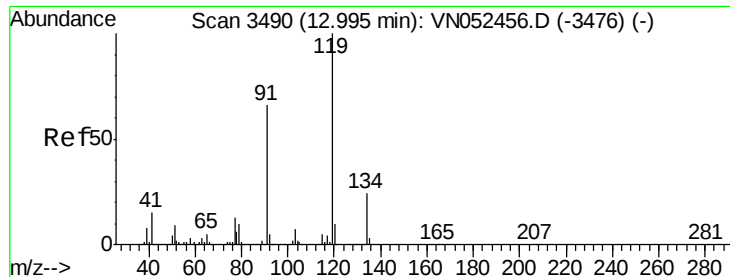
Tot Ion: 75 Resp: 60542
Ion Ratio Lower Upper
75 100
53 92.9 48.5 145.6
89 43.2 21.7 65.1



#78
4-Chlorotoluene
Concen: 21.330 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion: 91 Resp: 726696
Ion Ratio Lower Upper
91 100
126 33.7 0.0 68.2

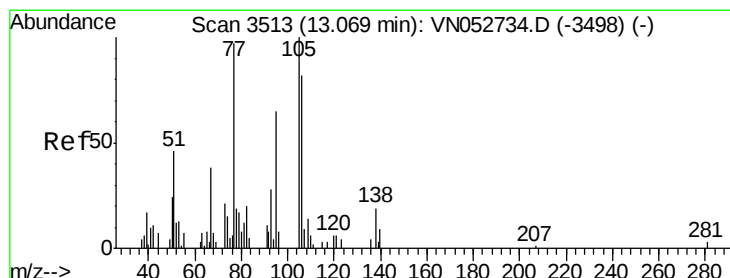
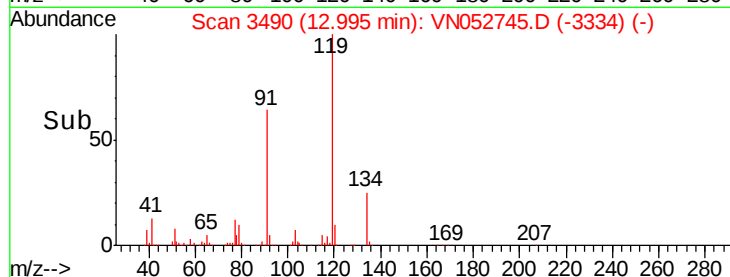
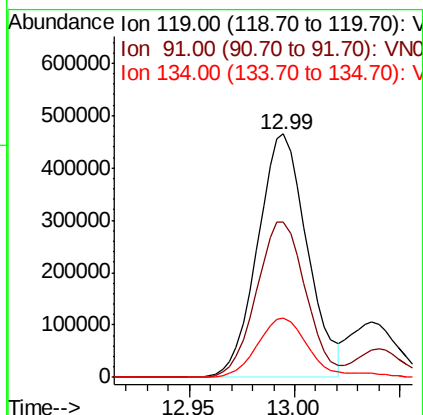
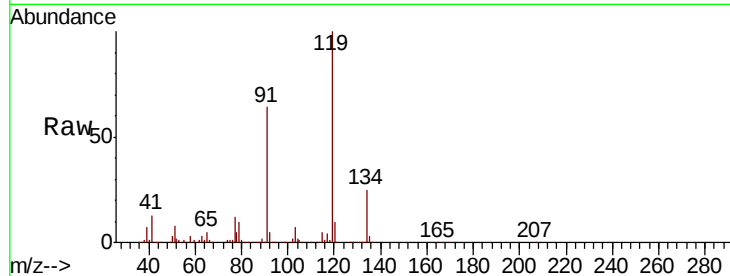




#79
tert-butylbenzene
Concen: 21.412 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

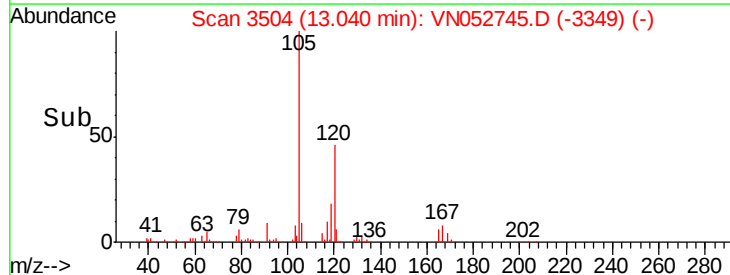
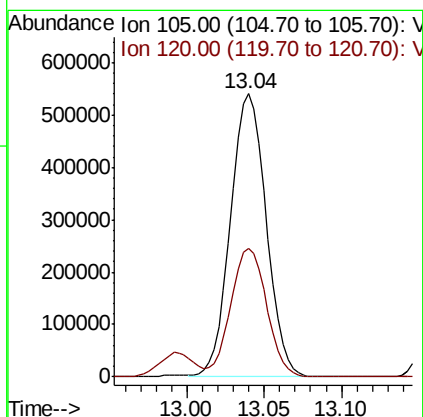
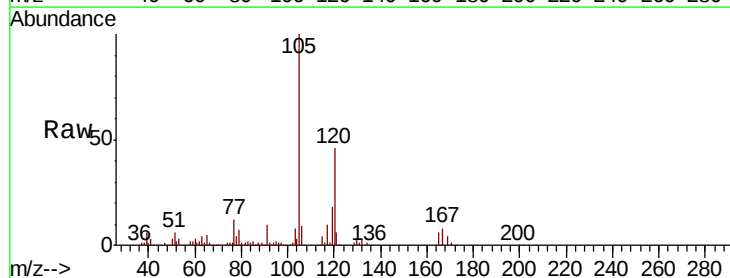
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

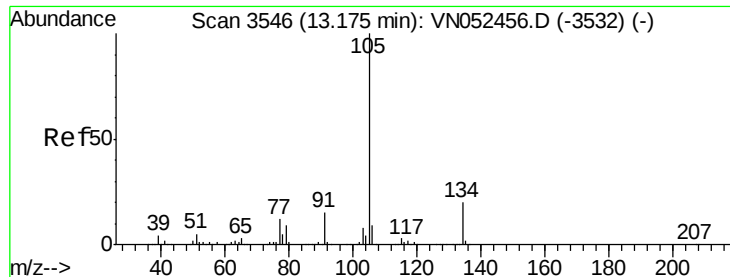
Tot Ion:119 Resp: 759802
Ion Ratio Lower Upper
119 100
91 64.0 0.0 129.8
134 24.5 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 21.246 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion:105 Resp: 866195
Ion Ratio Lower Upper
105 100
120 45.7 0.0 91.0





#81

sec-Butylbenzene

Concen: 21.007 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

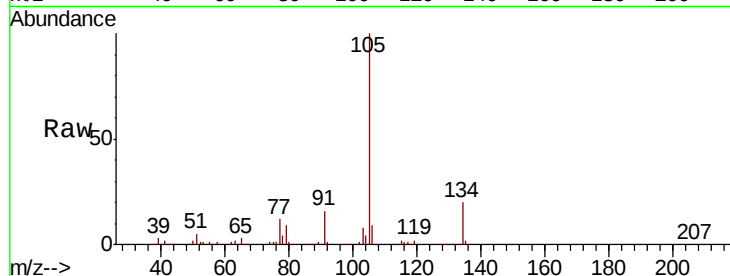
VN1210WBS01

Tot Ion:105 Resp: 1038287

Ion Ratio Lower Upper

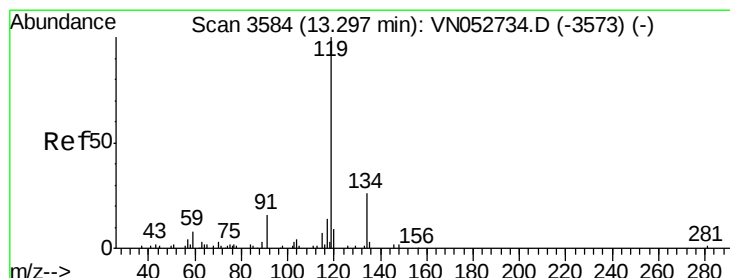
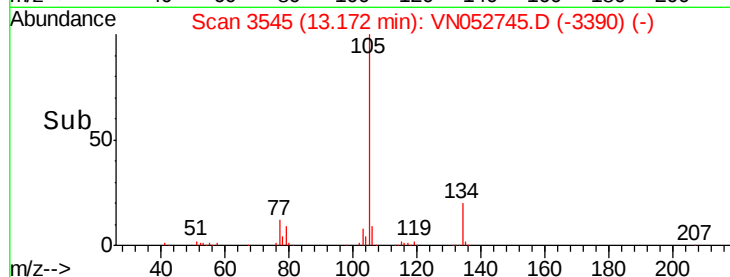
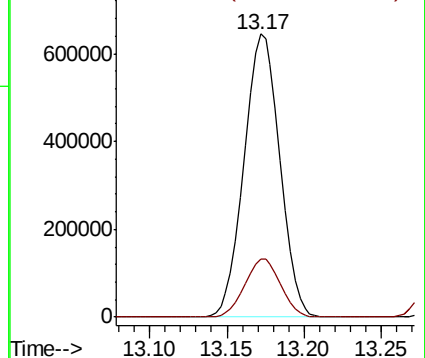
105 100

134 20.4 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: 21.426 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

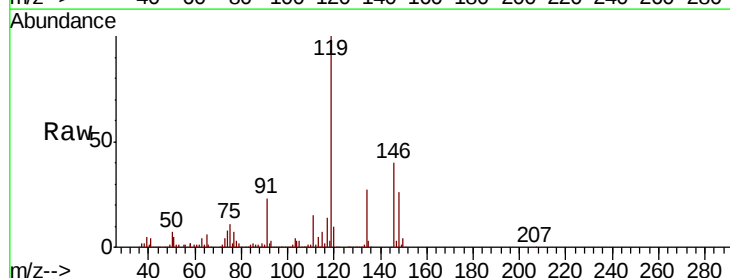
Tgt Ion:119 Resp: 901725

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

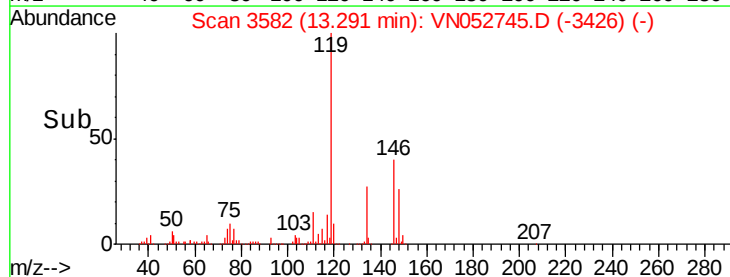
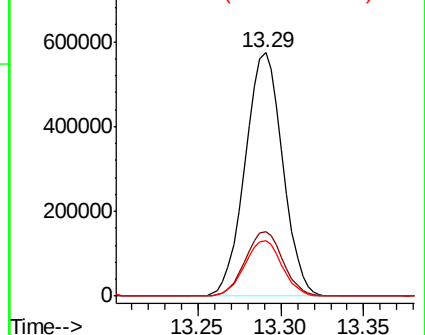
91 22.7 0.0 46.2

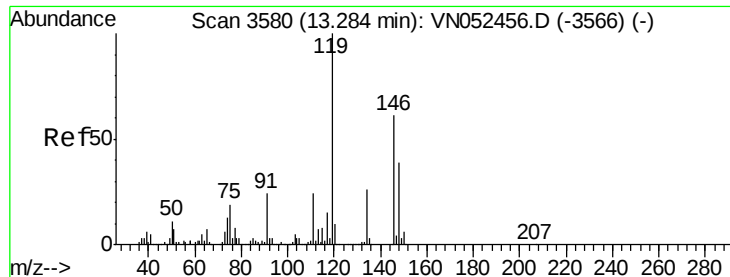


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 21.774 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

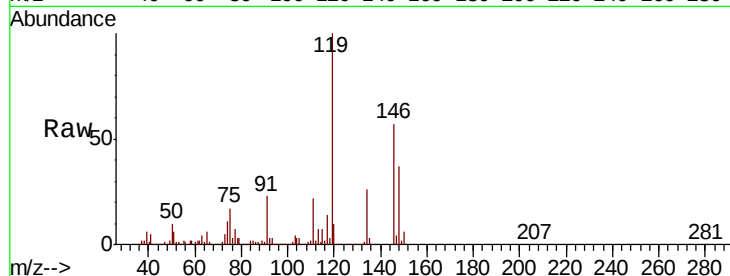
Tot Ion:146 Resp: 467229

Ion Ratio Lower Upper

146 100

111 38.2 19.7 59.0

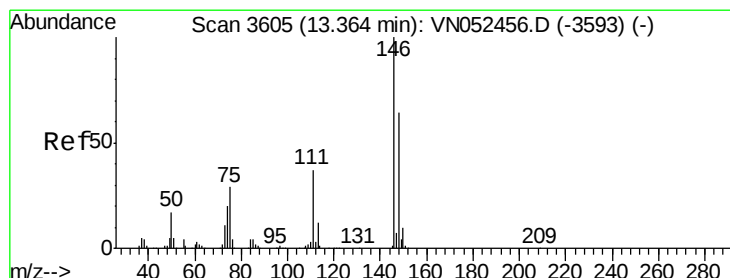
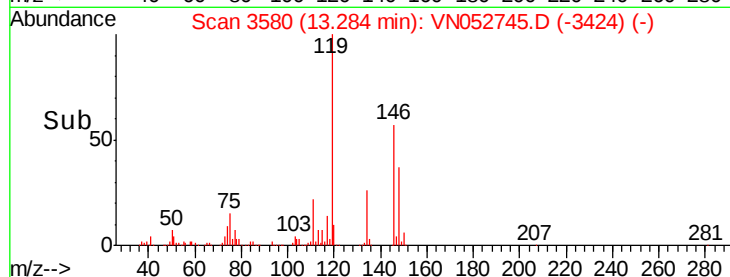
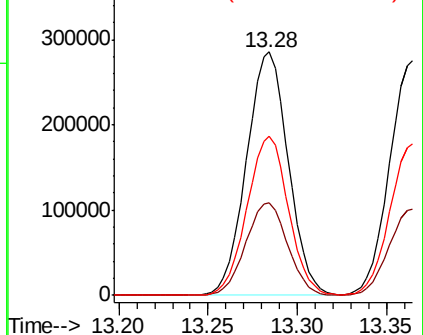
148 64.7 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 22.108 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

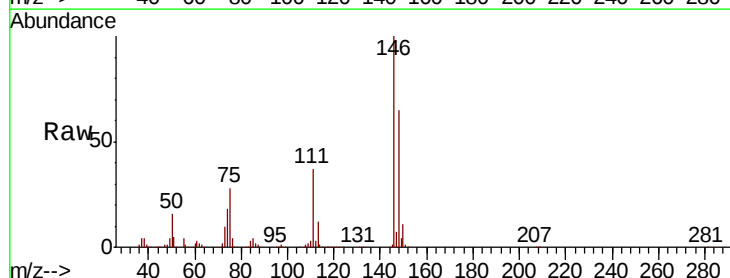
Tgt Ion:146 Resp: 458338

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

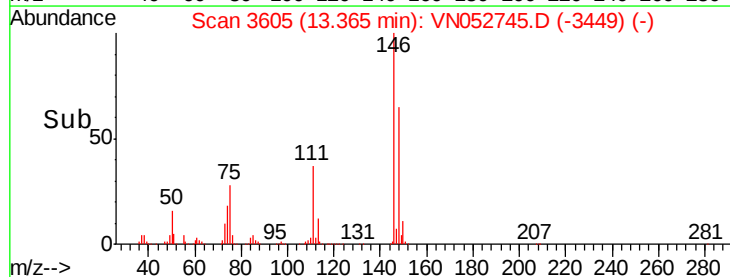
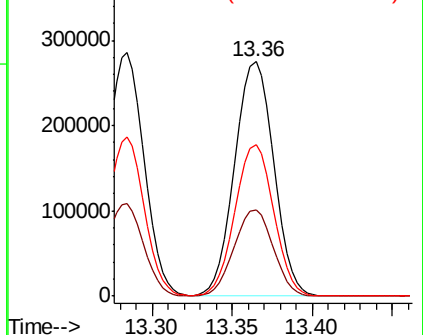
148 63.9 32.5 97.4

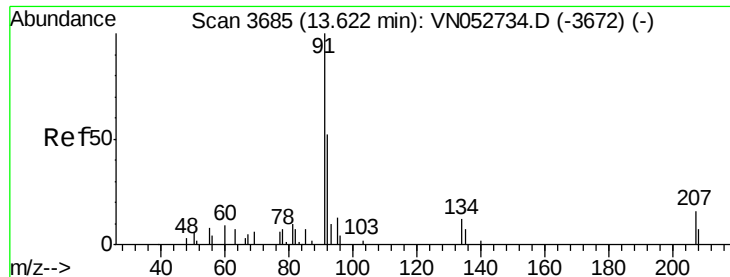


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 21.149 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

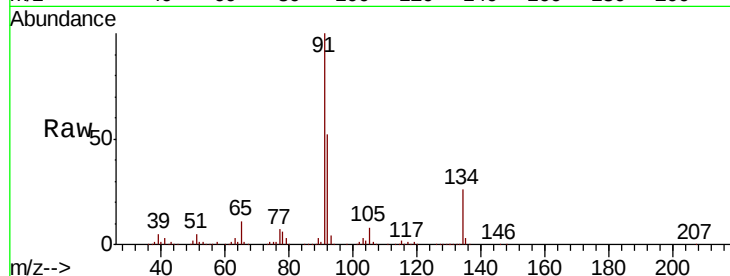
Tot Ion: 91 Resp: 764573

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.2

134 26.0 0.0 50.6

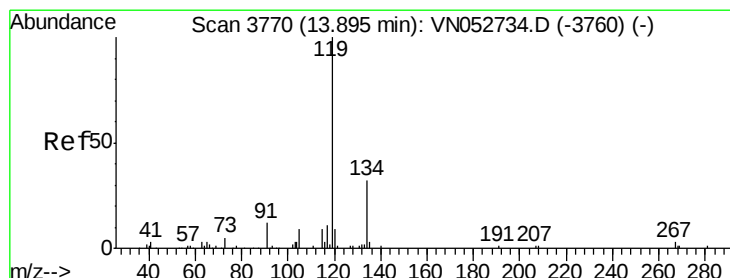
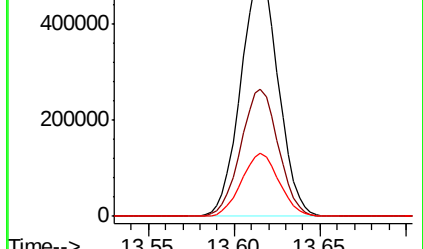
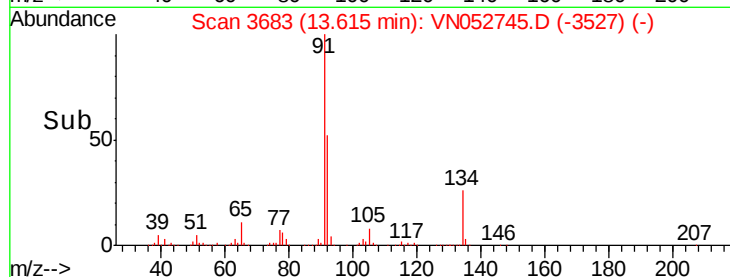


Abundance Ion 91.00 (90.70 to 91.70): VN052734.D (-3672) (-)

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

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

Time-->



#86

Hexachloroethane

Concen: 20.052 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052745.D

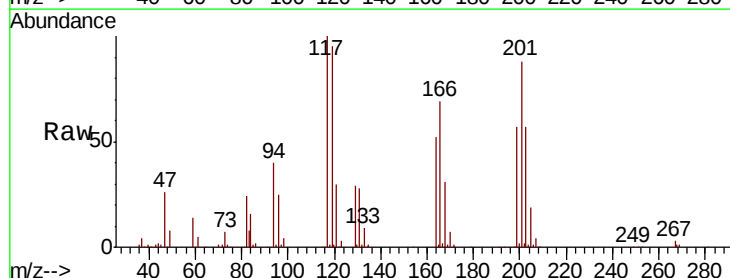
Acq: 10 Dec 2018 11:37

Tgt Ion: 117 Resp: 142986

Ion Ratio Lower Upper

117 100

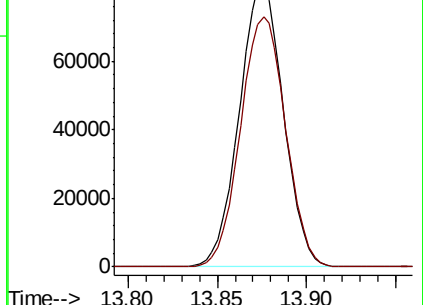
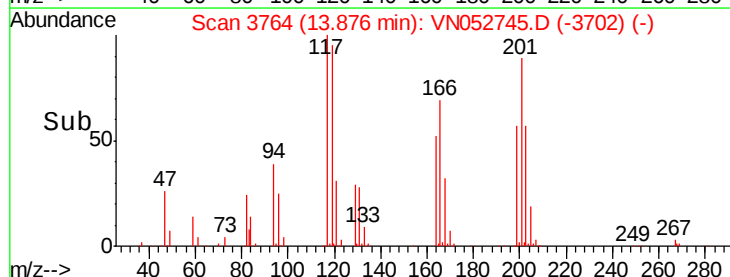
201 90.2 43.8 131.3

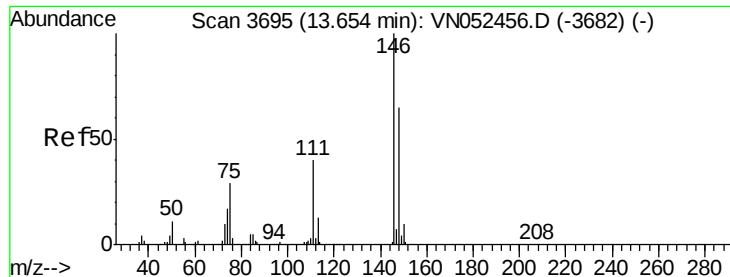


Abundance Ion 117.00 (116.70 to 117.70): VN052734.D (-3760) (-)

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

Time-->





#87

1,2-Dichlorobenzene

Concen: 22.025 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

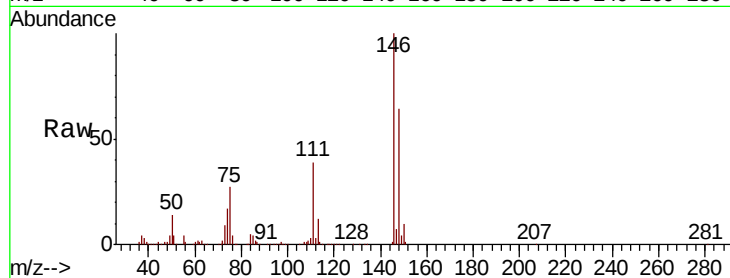
Tot Ion:146 Resp: 449749

Ion Ratio Lower Upper

146 100

111 39.2 20.3 60.8

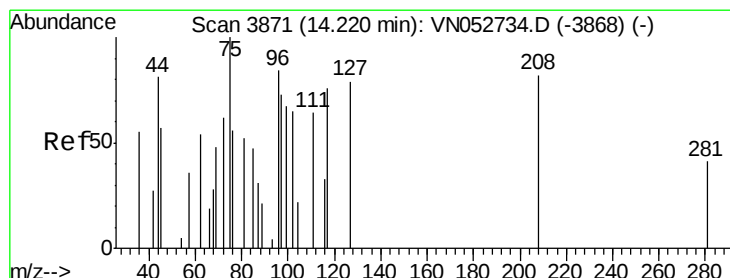
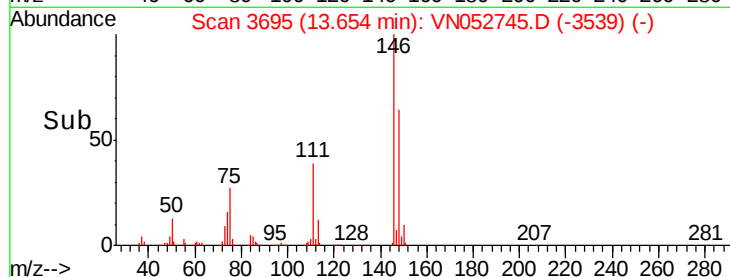
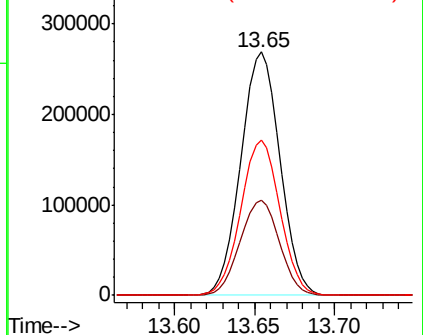
148 63.7 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 22.391 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

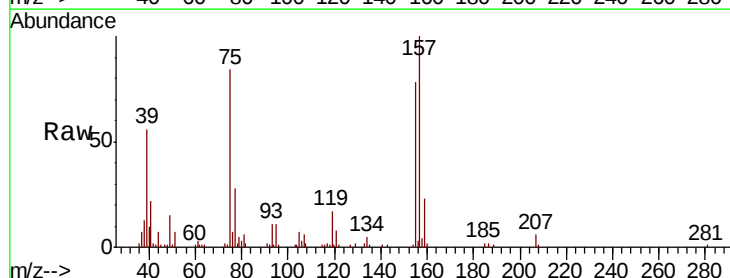
Tgt Ion: 75 Resp: 34417

Ion Ratio Lower Upper

75 100

155 93.1 72.2 108.2

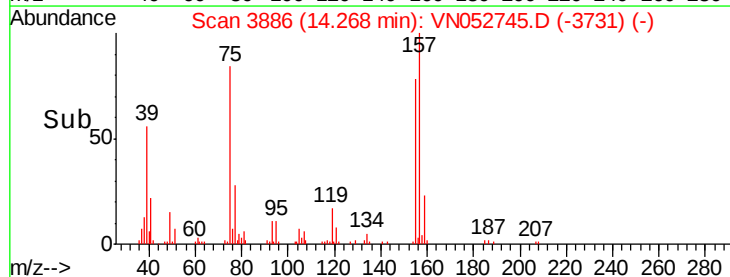
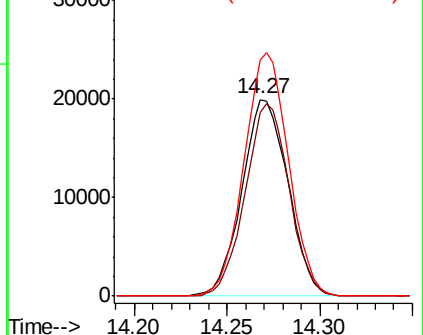
157 119.4 94.2 141.2

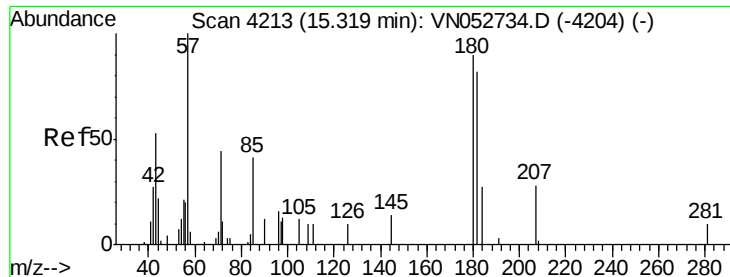


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

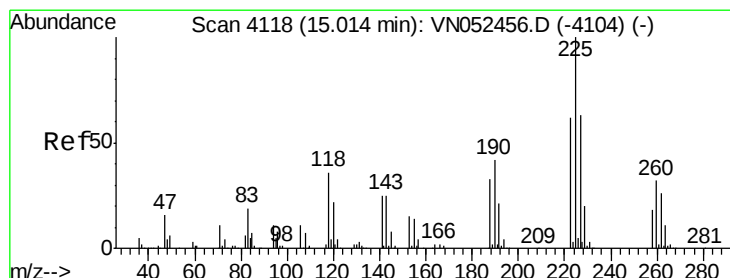
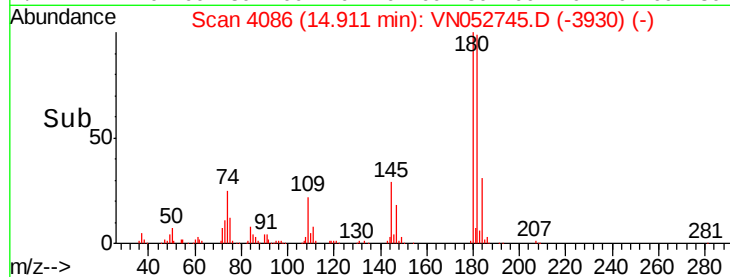
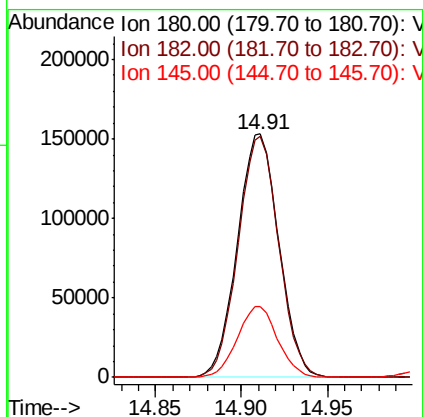
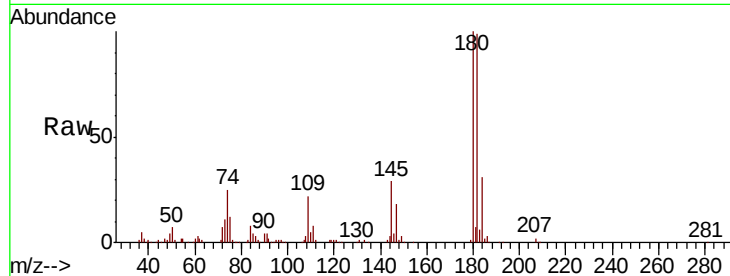




#89
 1,2,4-Trichlorobenzene
 Concen: 25.478 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

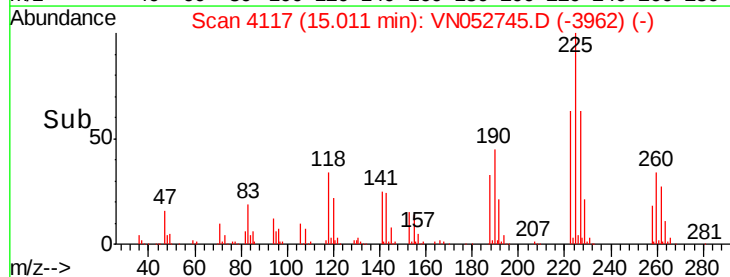
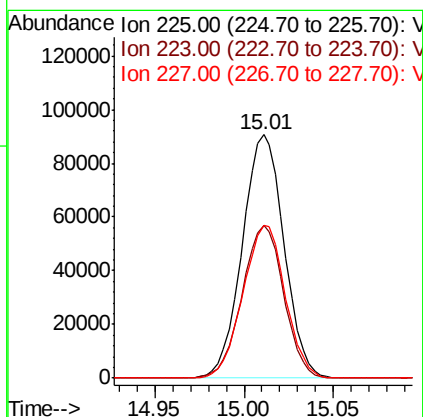
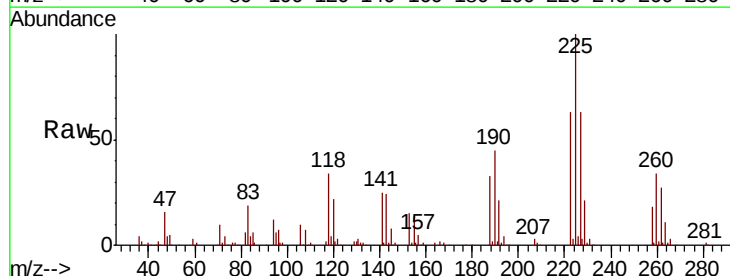
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

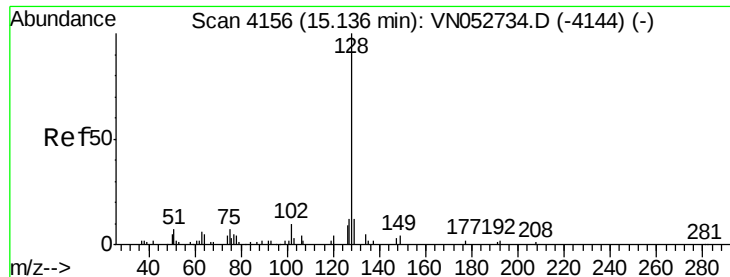
Tot Ion:180 Resp: 256312
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.6 114.8
 145 28.5 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 22.376 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion:225 Resp: 147668
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 125.6
 227 63.8 0.0 127.8





#91

Naphthalene

Concen: 25.863 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

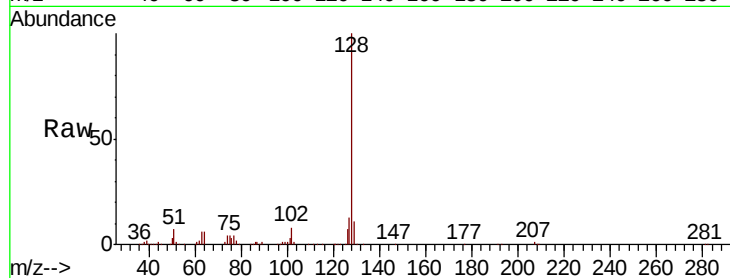
Tot Ion:128 Resp: 525435

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

129 11.1 8.5 12.7

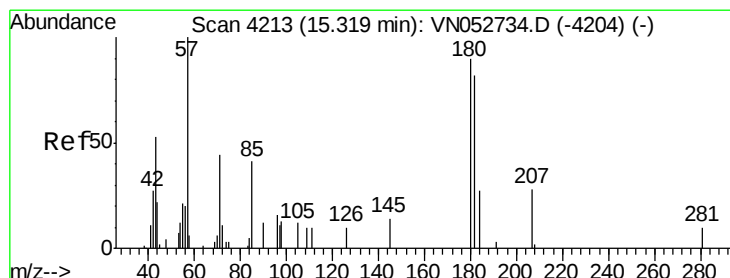
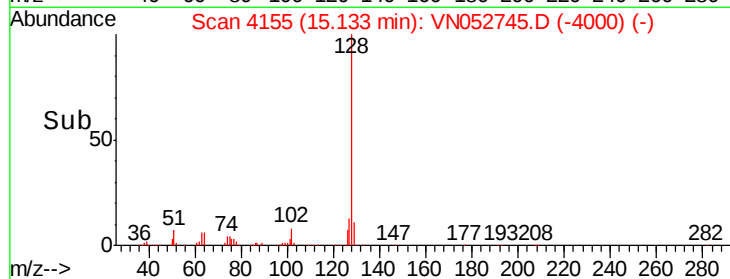
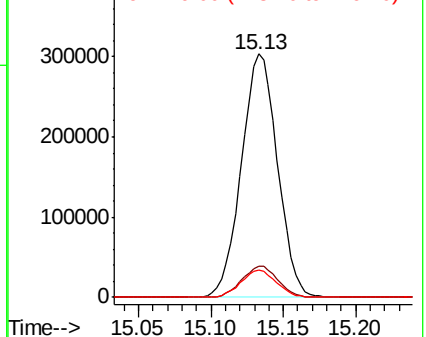


Abundance

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: 25.862 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

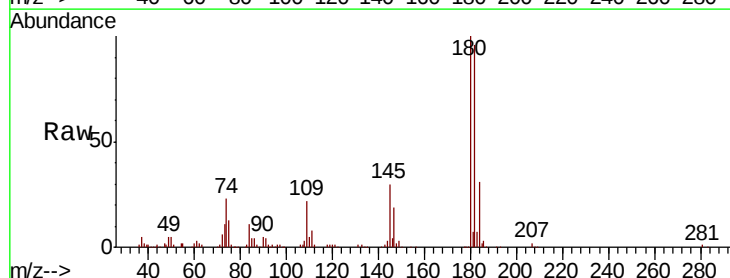
Tgt Ion:180 Resp: 239773

Ion Ratio Lower Upper

180 100

182 95.6 0.0 196.2

145 29.8 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

