

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052721.D
 Acq On : 7 Dec 2018 12:45
 Operator : MD\SY
 Sample : VN1207WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Quant Time: Dec 07 22:12:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	146790	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	848786	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	746897	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	301156	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	12.40	95	344576	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	1032942	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	162384	19.424	ug/l 99
3) Chloromethane	2.06	50	217546	19.621	ug/l 99
4) Vinyl Chloride	2.19	62	223598	19.981	ug/l 98
5) Bromomethane	2.57	94	133689	20.952	ug/l 99
6) Chloroethane	2.71	64	132238	19.871	ug/l 98
7) Trichlorofluoromethane	3.02	101	281097	20.354	ug/l 99
8) Diethyl Ether	3.41	74	106635	20.911	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	177417	20.265	ug/l 96
10) 1,1-Dichloroethene	3.74	96	165896	20.153	ug/l 98
11) Methyl Iodide	3.96	142	241594	21.139	ug/l 97
12) Methyl Acetate	4.33	43	157501	22.519	ug/l 99
13) Acrolein	3.61	56	108094	131.569	ug/l 99
14) Acrylonitrile	4.99	53	320721	107.621	ug/l 98
15) Acetone	3.82	58	86583	112.187	ug/l 100
16) Carbon Disulfide	4.06	76	491873	18.874	ug/l 99
17) Allyl chloride	4.33	41	286690	19.970	ug/l 98
18) Methylene Chloride	4.55	84	197608	20.733	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	181471	20.485	ug/l 97
20) Diisopropyl ether	5.95	45	615878	20.415	ug/l 99
21) 1,1-Dichloroethane	5.85	63	355642	20.683	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	212061	20.887	ug/l 99
23) tert-Butyl Alcohol	4.78	59	51499	116.168	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	461988	21.393	ug/l 98
25) Chloroform	7.37	83	344392	20.761	ug/l 100
26) Cyclohexane	7.65	56	310708	19.159	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	258980	19.980	ug/l 99
30) 2-Butanone	6.84	43	375920	108.385	ug/l 100
31) 2,2-Dichloropropane	6.83	77	248975	20.865	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	279382	20.715	ug/l 98
33) Carbon Tetrachloride	7.77	117	244623	20.729	ug/l 99
34) Benzene	8.04	78	800057	20.530	ug/l 99
35) Methacrylonitrile	7.17	41	74499	17.312	ug/l 97
36) 1,2-Dichloroethane	8.13	62	249988	21.169	ug/l 100
37) Trichloroethene	8.84	130	204302	20.674	ug/l 97
38) Methylcyclohexane	9.08	83	310764	19.368	ug/l 99
39) 1,2-Dichloropropane	9.12	63	212728	20.364	ug/l 100
40) Dibromomethane	9.21	93	124596	22.072	ug/l 98

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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	257035	20.609	ug/l	98
42) Vinyl Acetate	5.90	43	1928368	102.758	ug/l	99
43) Ethyl Acetate	6.84	43	375920	50.971	ug/l	100
44) Isopropyl Acetate	8.17	43	283245	21.898	ug/l #	80
45) 1,4-Dioxane	9.20	88	32955	465.727	ug/l	94
46) Methyl methacrylate	9.20	41	143211	21.324	ug/l	98
47) n-amyl Acetate	12.07	43	222029	20.703	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	252470	20.877	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	299736	20.344	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	177615	22.197	ug/l	98
51) Ethyl methacrylate	10.43	69	214686	21.362	ug/l	96
52) 1,3-Dichloropropane	10.71	76	304523	21.380	ug/l	98
53) Dibromochloromethane	10.90	129	186420	21.161	ug/l	97
54) 1,2-Dibromoethane	11.01	107	168625	21.566	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	624090	106.088	ug/l	100
56) Bromoform	12.13	173	125889	21.862	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	812532	112.213	ug/l	99
59) 2-Hexanone	10.75	43	545579	110.298	ug/l	99
61) Tetrachloroethene	10.63	164	204619	22.244	ug/l	98
62) Toluene	10.16	91	849540	20.633	ug/l	100
64) Chlorobenzene	11.44	112	526612	20.954	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	183465	21.031	ug/l	98
66) Ethyl Benzene	11.51	91	903206	20.353	ug/l	97
67) m/p-Xylenes	11.62	106	685186	41.444	ug/l	100
68) o-Xylene	11.95	106	337663	21.043	ug/l	99
69) Styrene	11.96	104	536017	20.695	ug/l	100
70) Isopropylbenzene	12.25	105	895639	20.978	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	205416	22.118	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	253409	31.785	ug/l	45
73) Bromobenzene	12.53	156	222732	21.570	ug/l	95
74) n-propylbenzene	12.59	91	1015207	20.408	ug/l	99
75) 2-Chlorotoluene	12.68	91	600379	20.793	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	726074	21.055	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	53012	21.049	ug/l	95
78) 4-Chlorotoluene	12.77	91	588145	20.397	ug/l	99
79) tert-butylbenzene	12.99	119	643056	21.412	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	729519	21.142	ug/l	100
81) sec-Butylbenzene	13.17	105	869210	20.779	ug/l	99
82) p-Isopropyltoluene	13.29	119	734643	20.624	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	380838	20.970	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	362289	20.647	ug/l	99
85) n-Butylbenzene	13.62	91	586987	19.185	ug/l	100
86) Hexachloroethane	13.88	117	121090	20.064	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	373375	21.605	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29863	22.955	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	166558	19.561	ug/l	99
90) Hexachlorobutadiene	15.01	225	120874	21.641	ug/l	98
91) Naphthalene	15.13	128	338579	19.691	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	163997	20.900	ug/l	97

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

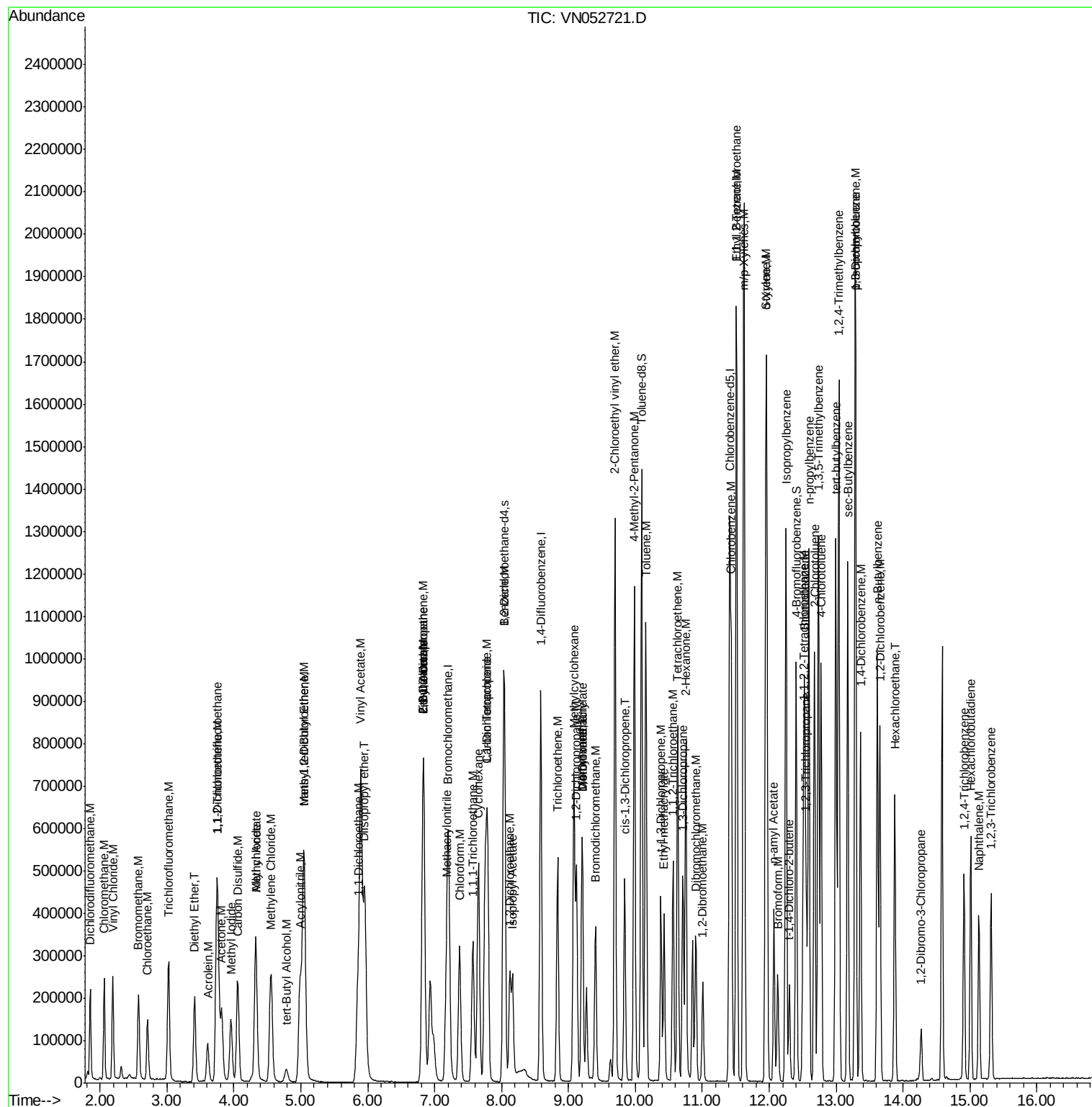
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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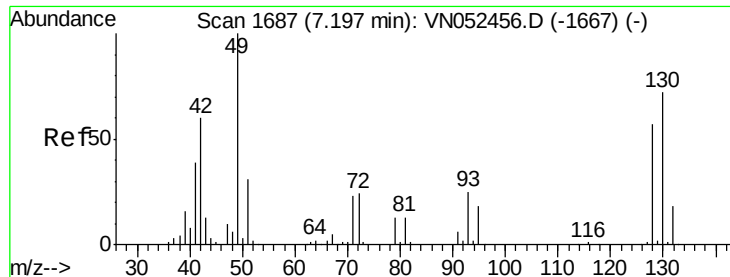
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120718\
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Dec 07 22:12:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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QLast Update : Tue Nov 27 00:48:33 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

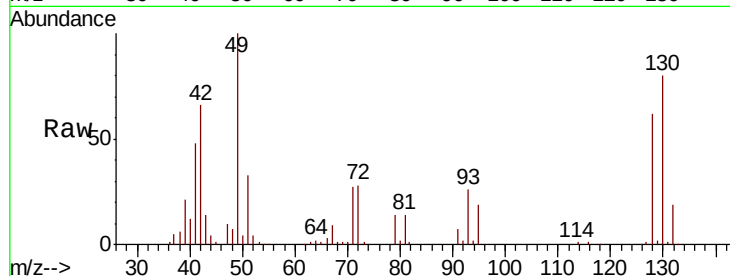
Tot Ion:128 Resp: 146790

Ion Ratio Lower Upper

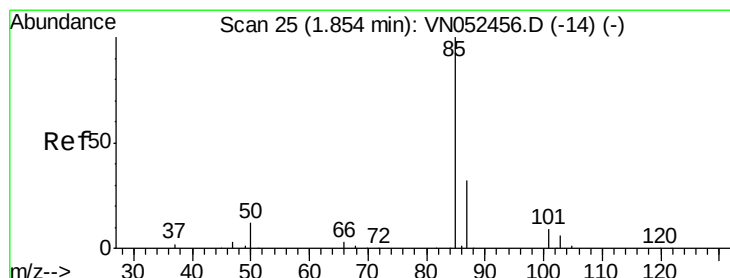
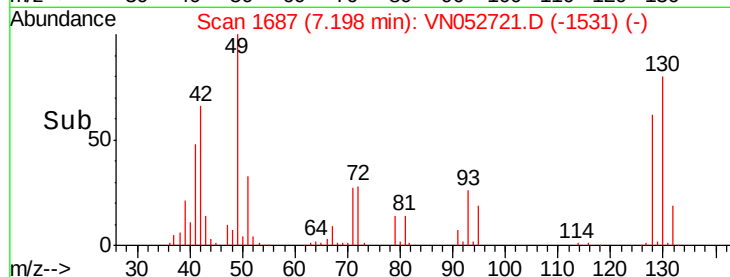
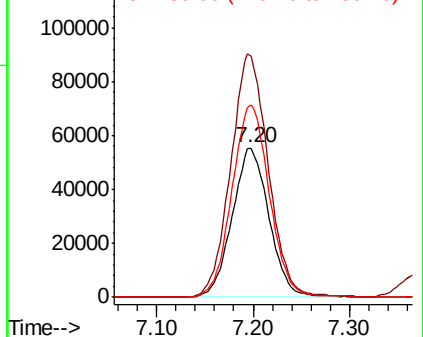
128 100

49 166.4 0.0 431.8

130 131.2 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: 19.424 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052721.D

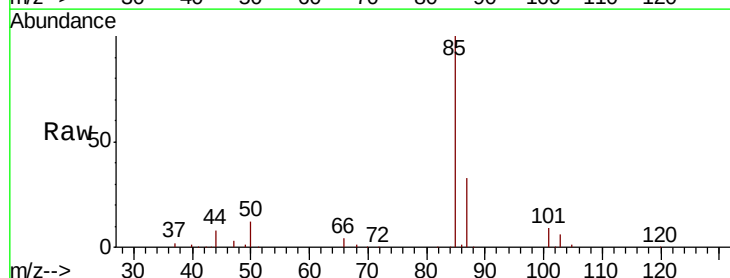
Acq: 7 Dec 2018 12:45

Tgt Ion: 85 Resp: 162384

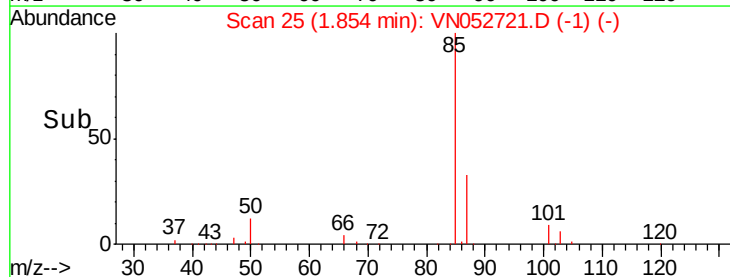
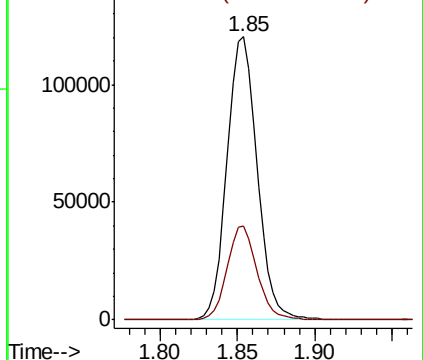
Ion Ratio Lower Upper

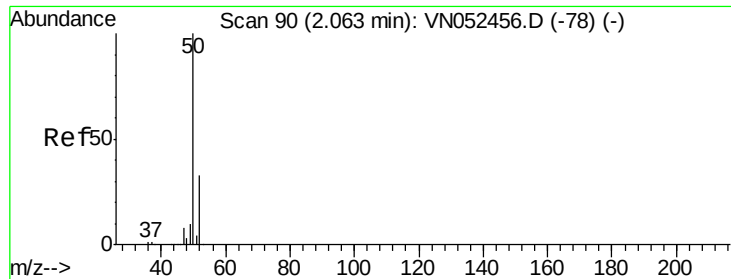
85 100

87 33.0 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: 19.621 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

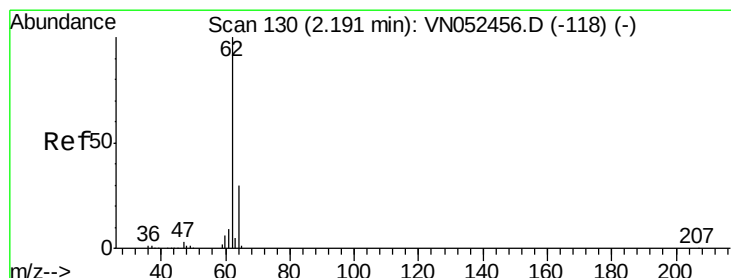
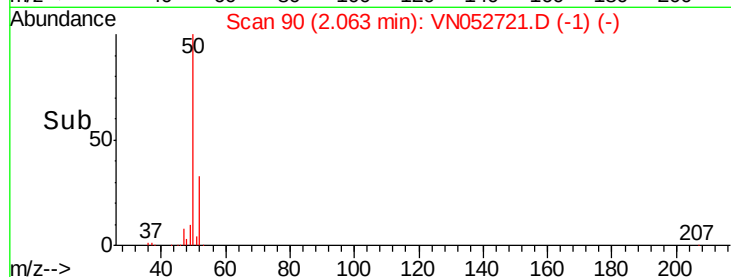
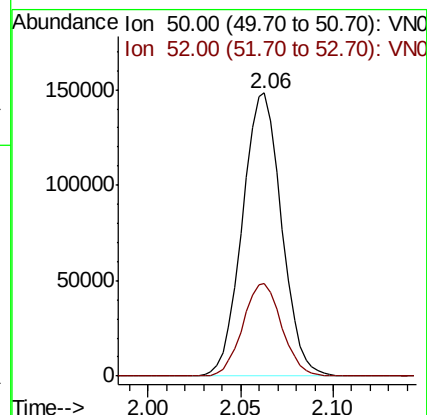
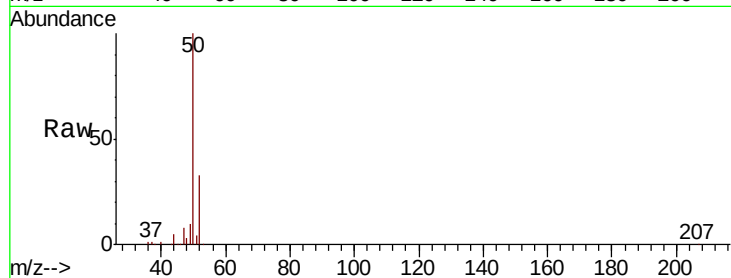
VN1207WBS01

Tot Ion: 50 Resp: 217546

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 19.981 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052721.D

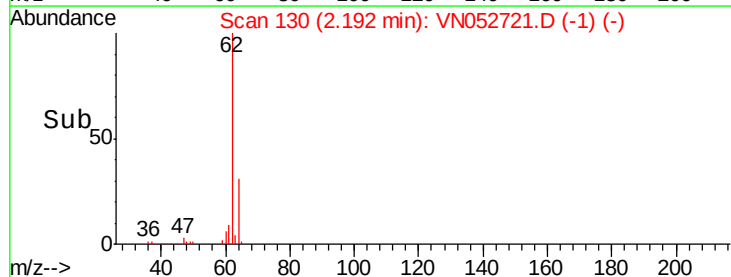
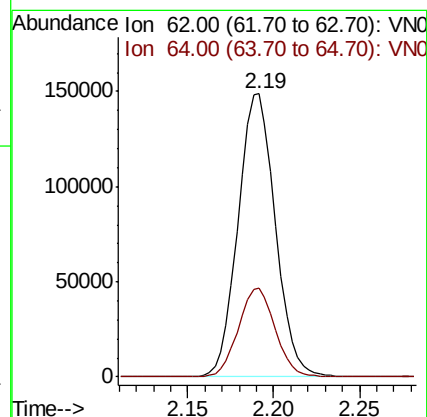
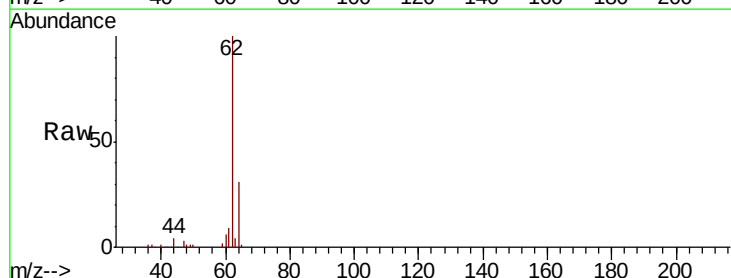
Acq: 7 Dec 2018 12:45

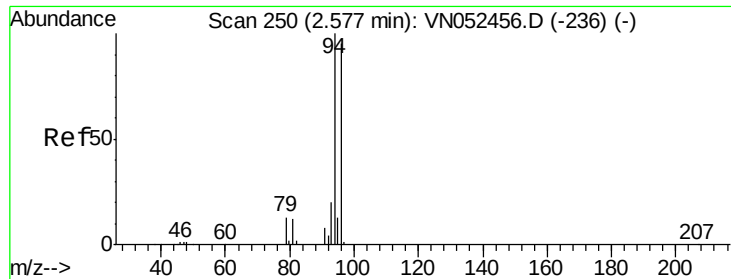
Tgt Ion: 62 Resp: 223598

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 20.952 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

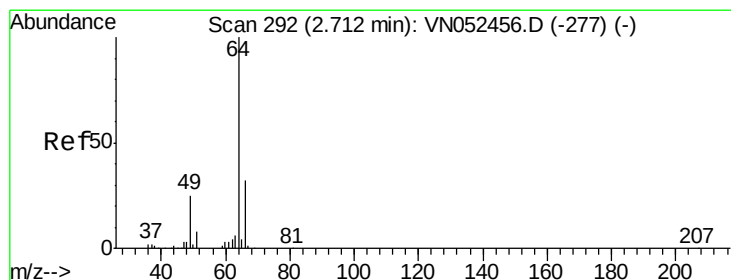
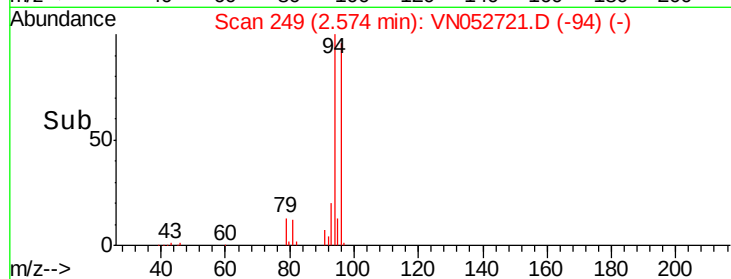
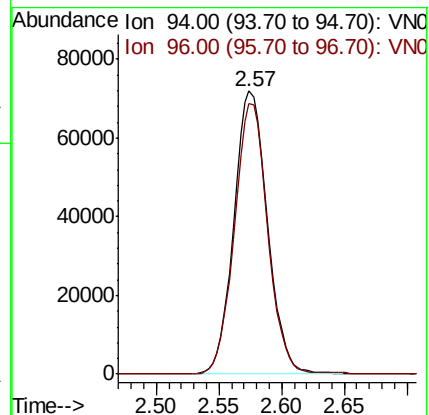
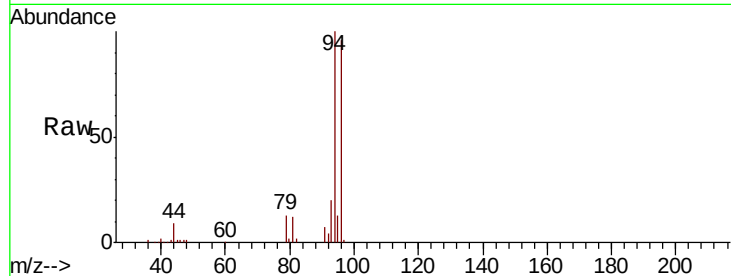
VN1207WBS01

Tot Ion: 94 Resp: 133689

Ion Ratio Lower Upper

94 100

96 95.8 76.2 114.2



#6

Chloroethane

Concen: 19.871 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052721.D

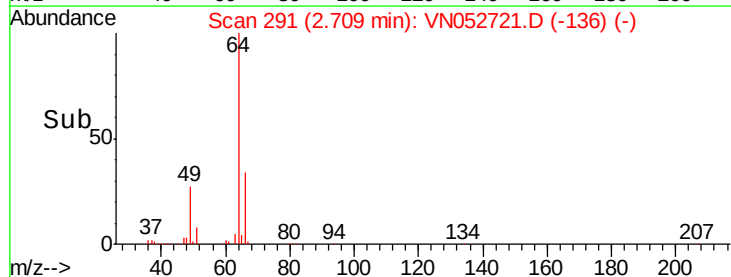
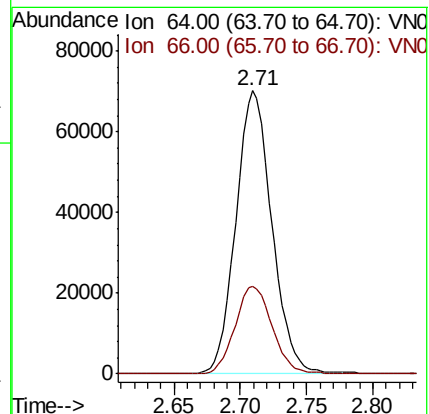
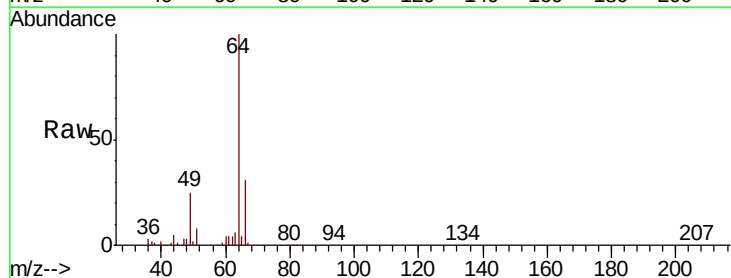
Acq: 7 Dec 2018 12:45

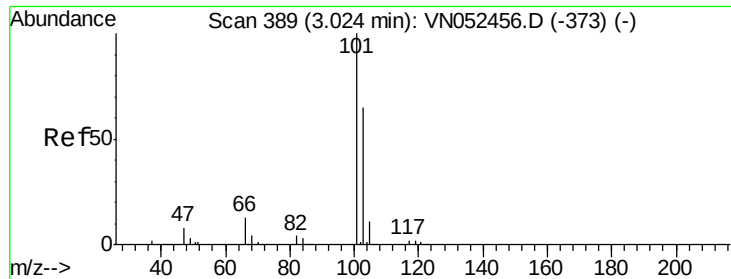
Tgt Ion: 64 Resp: 132238

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4



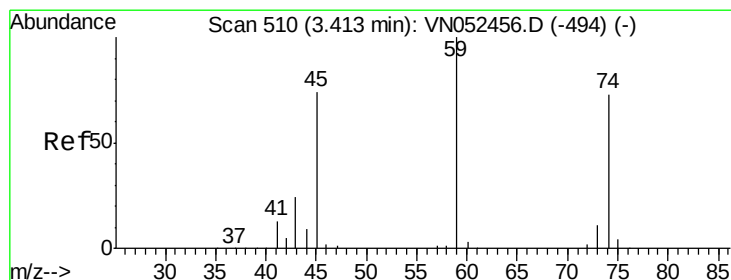
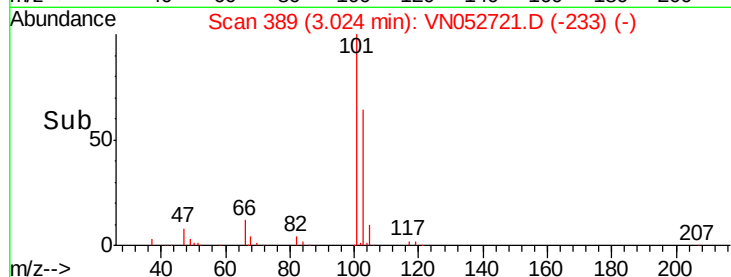
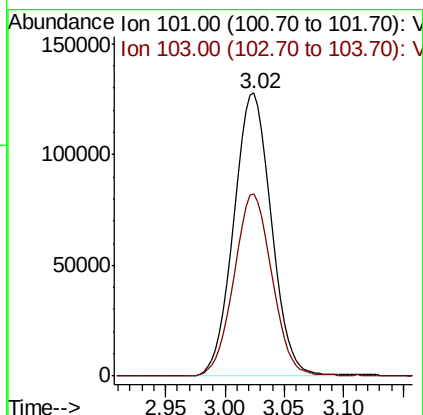
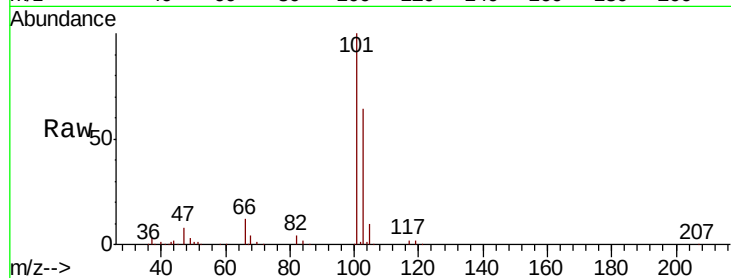


#7

Trichlorofluoromethane
 Concen: 20.354 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN1207WBS01

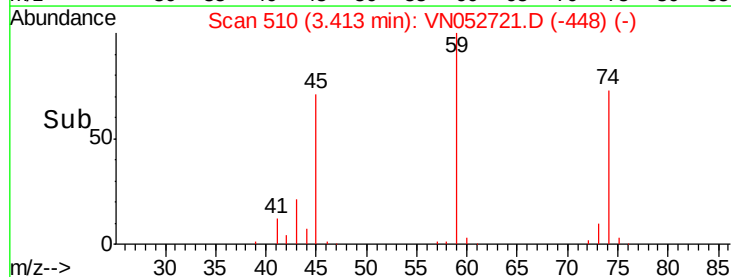
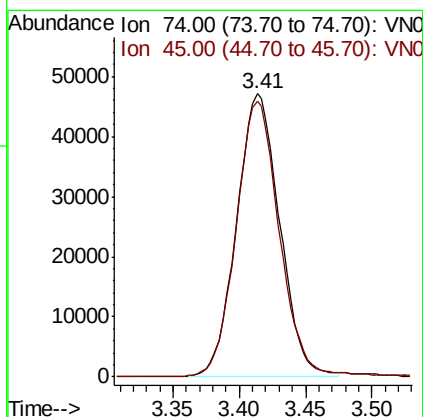
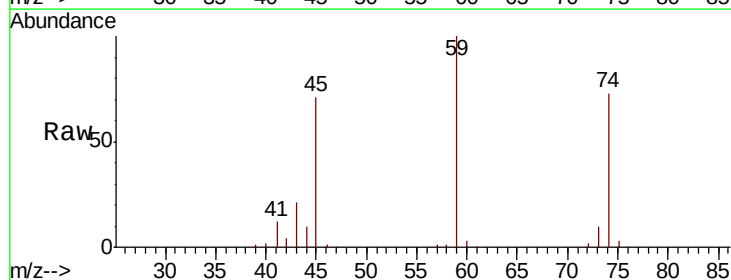
Tot Ion:101 Resp: 281097
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1

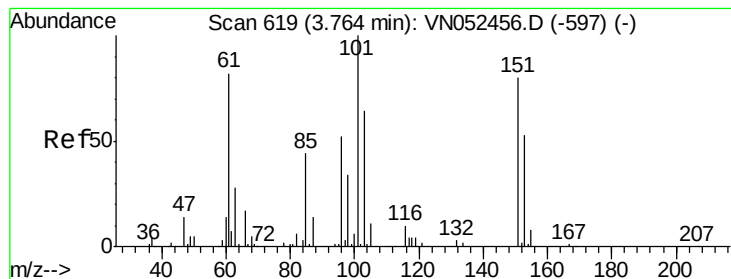


#8

Diethyl Ether
 Concen: 20.911 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 74 Resp: 106635
 Ion Ratio Lower Upper
 74 100
 45 97.6 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.265 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

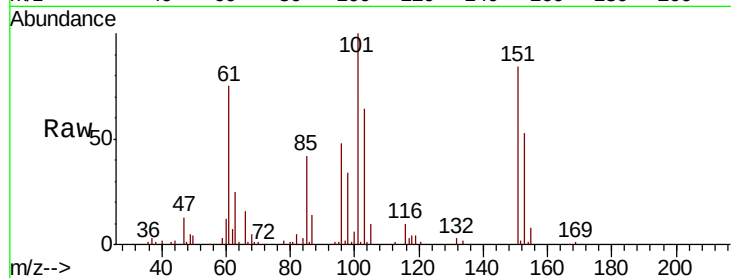
Tot Ion:101 Resp: 177417

Ion Ratio Lower Upper

101 100

85 43.0 0.0 82.6

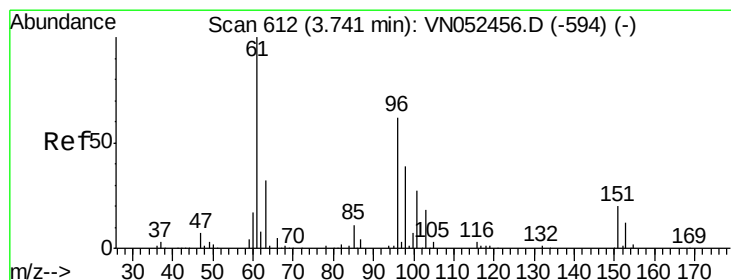
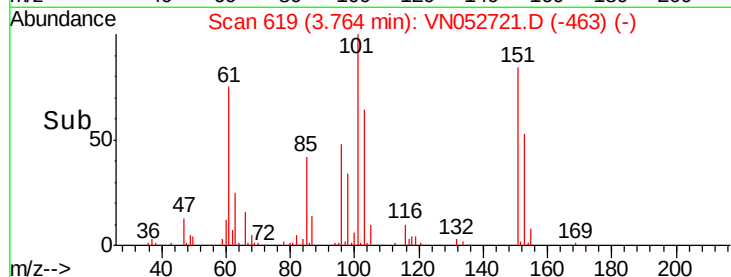
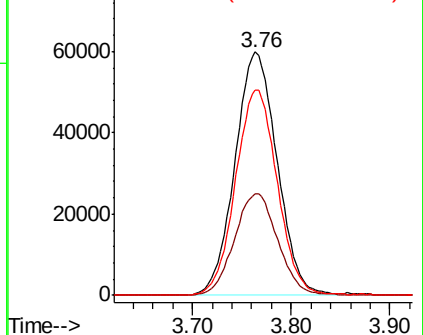
151 83.5 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.153 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

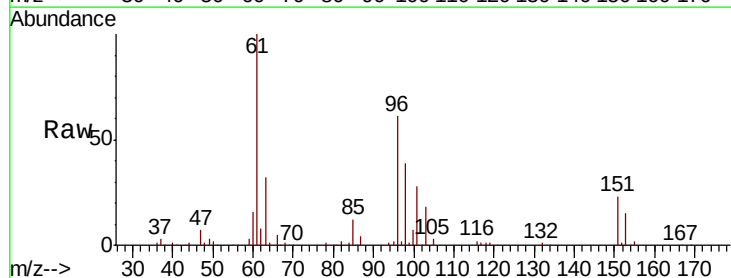
Tgt Ion: 96 Resp: 165896

Ion Ratio Lower Upper

96 100

61 164.3 129.4 194.2

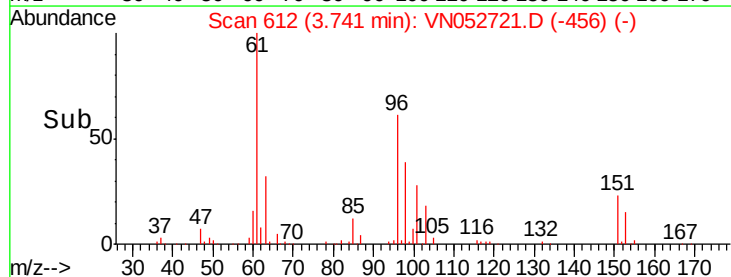
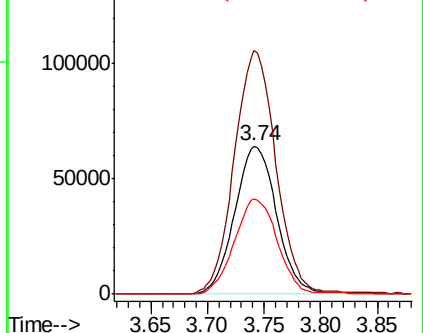
98 64.5 50.4 75.6

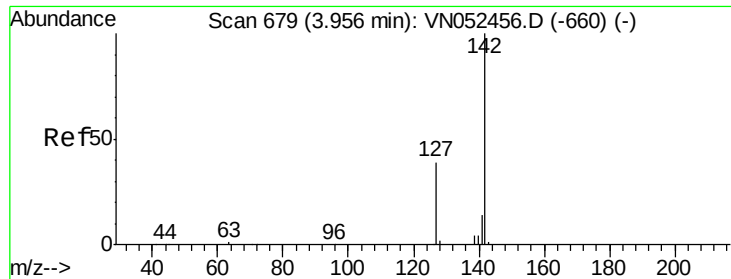


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

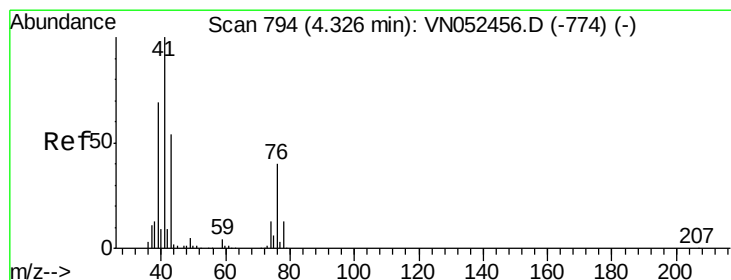
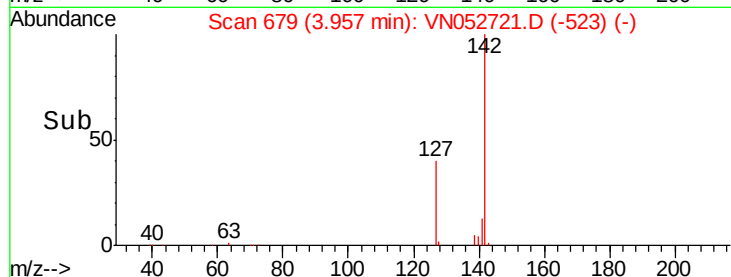
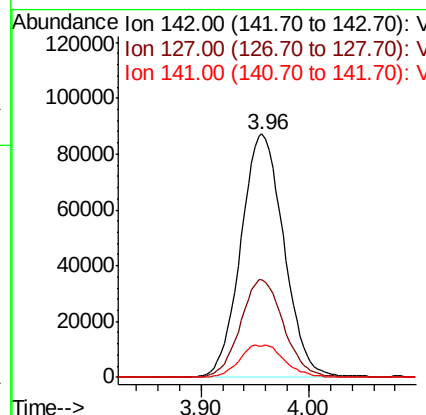
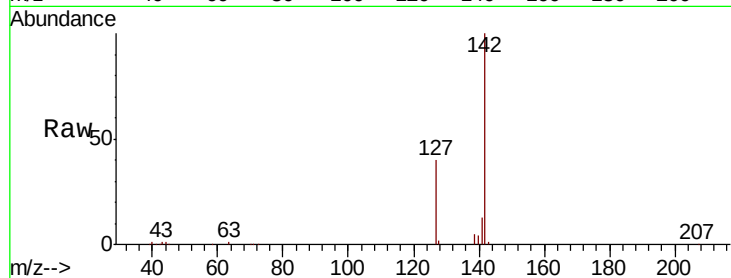




#11
Methvl Iodide
Concen: 21.139 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

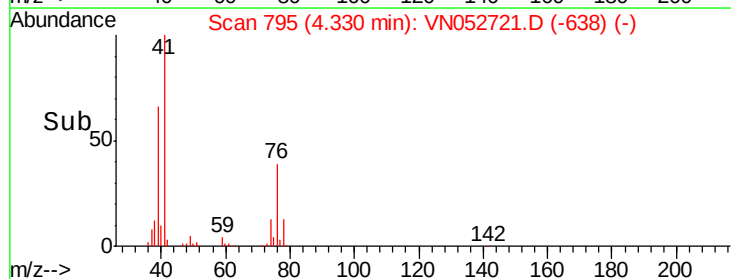
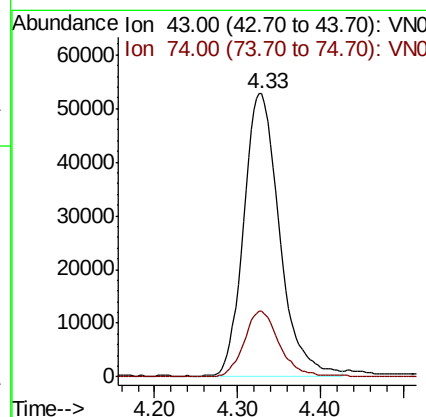
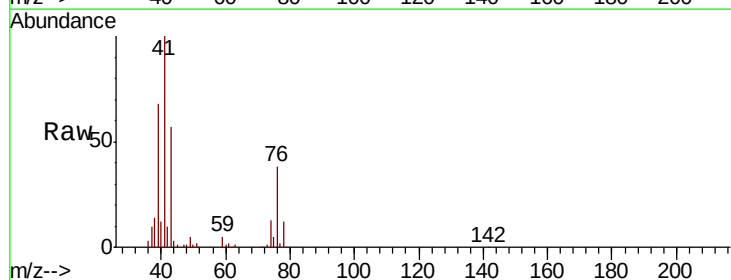
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

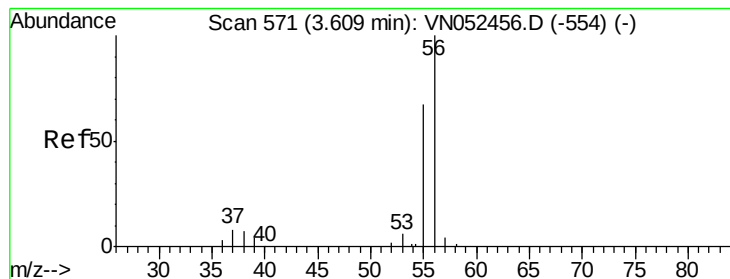
Tot Ion:142 Resp: 241594
Ion Ratio Lower Upper
142 100
127 40.2 19.4 58.1
141 13.1 7.2 21.6



#12
Methyl Acetate
Concen: 22.519 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 43 Resp: 157501
Ion Ratio Lower Upper
43 100
74 23.0 18.9 28.3





#13

Acrolein

Concen: 131.569 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

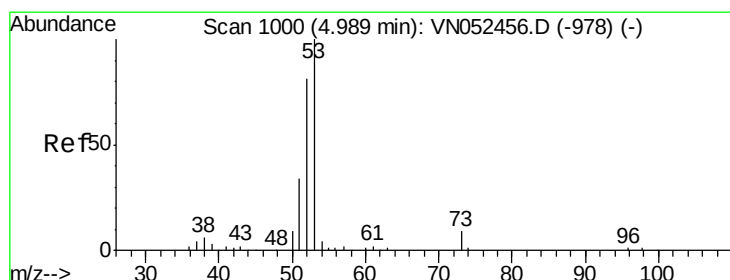
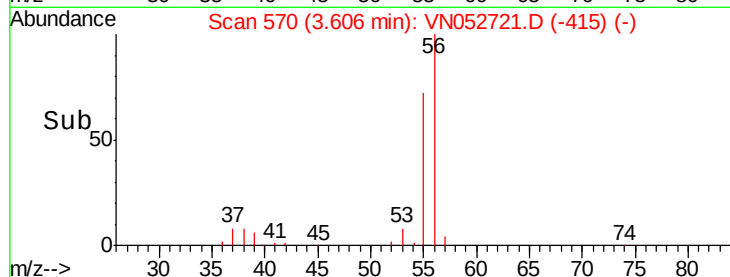
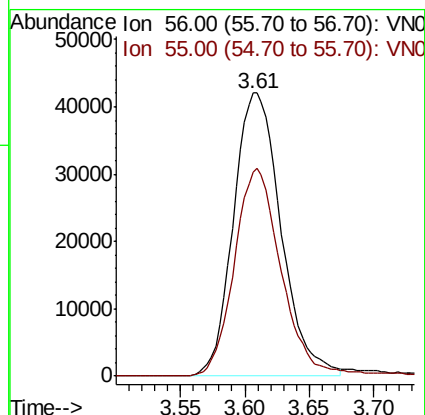
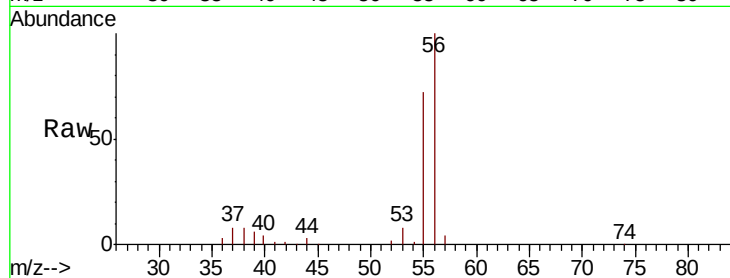
VN1207WBS01

Tot Ion: 56 Resp: 108094

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1



#14

Acrylonitrile

Concen: 107.621 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

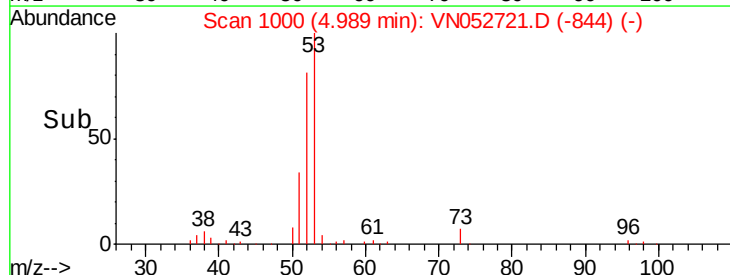
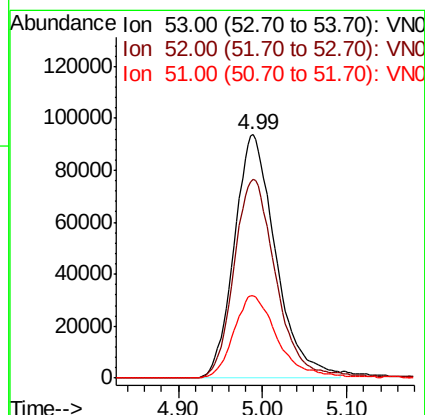
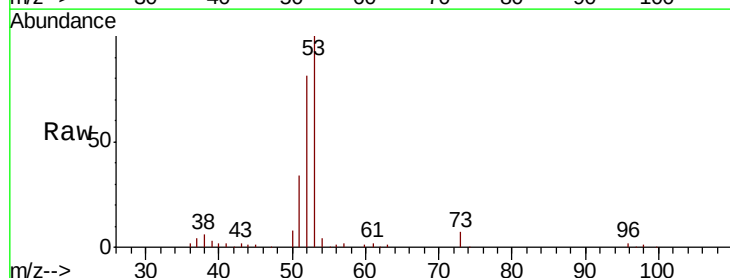
Tgt Ion: 53 Resp: 320721

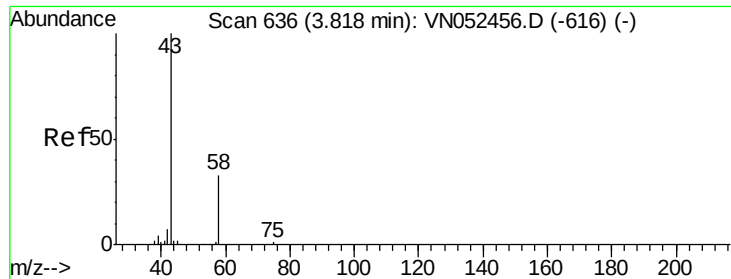
Ion Ratio Lower Upper

53 100

52 82.7 39.9 119.7

51 35.6 17.6 52.9





#15

Acetone

Concen: 112.187 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

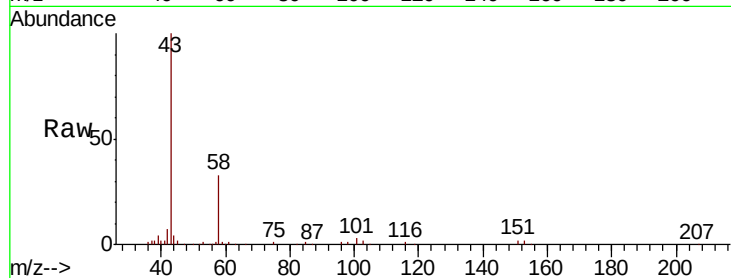
VN1207WBS01

Tot Ion: 58 Resp: 86583

Ion Ratio Lower Upper

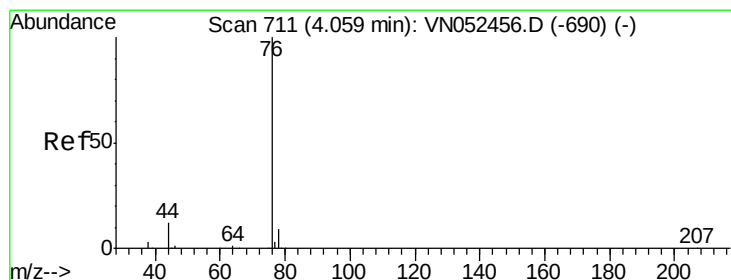
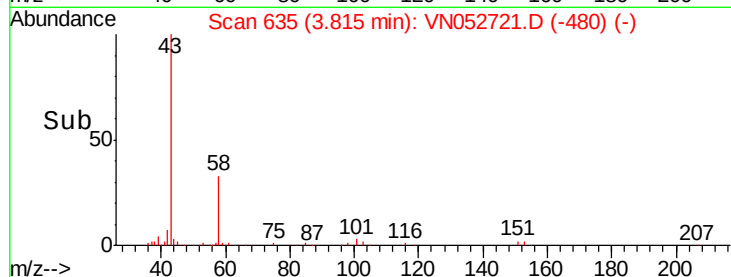
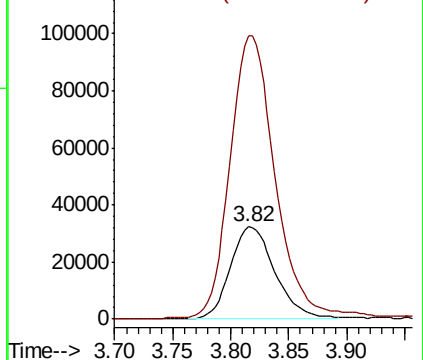
58 100

43 304.1 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.874 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052721.D

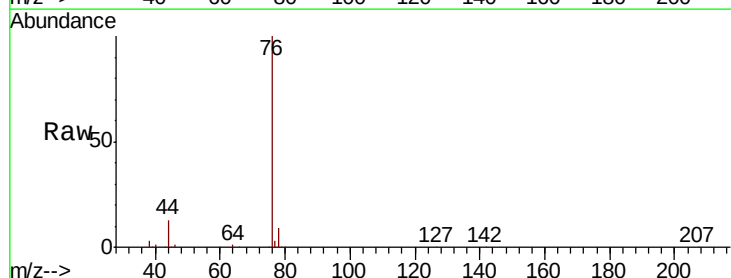
Acq: 7 Dec 2018 12:45

Tgt Ion: 76 Resp: 491873

Ion Ratio Lower Upper

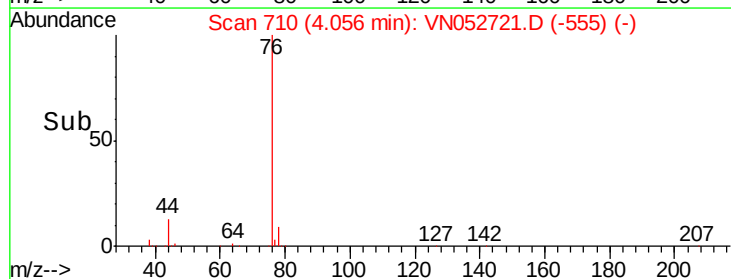
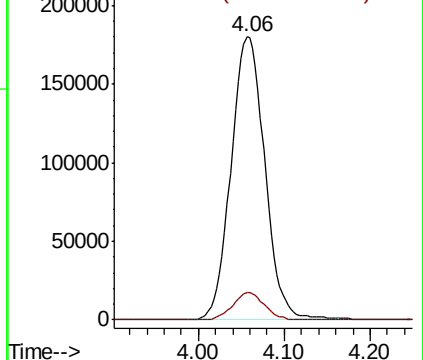
76 100

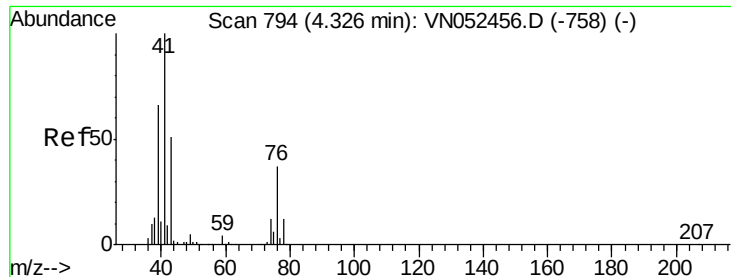
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

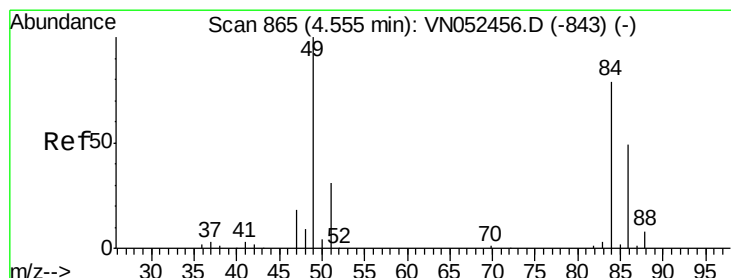
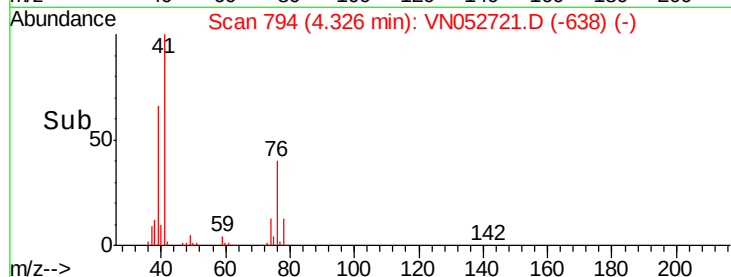
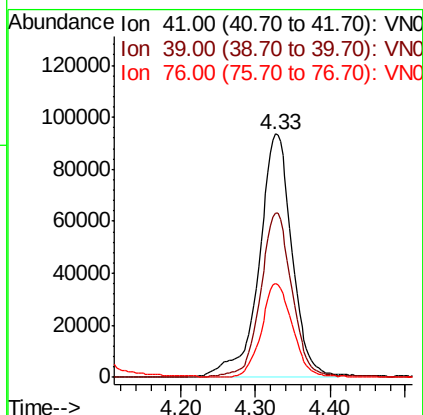
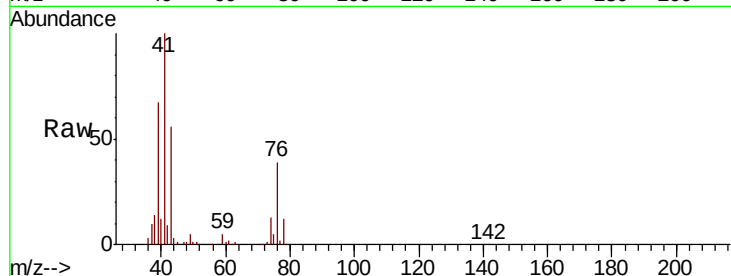




#17
Allvl chloride
Concen: 19.970 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

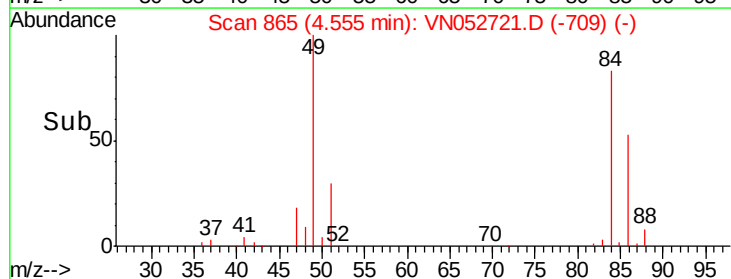
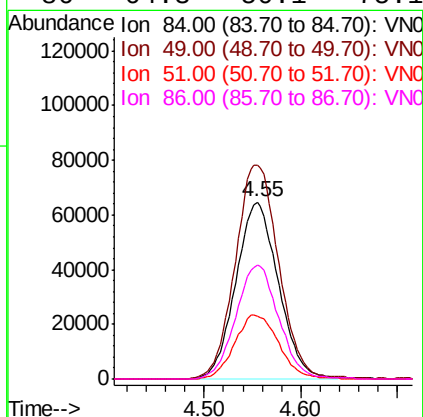
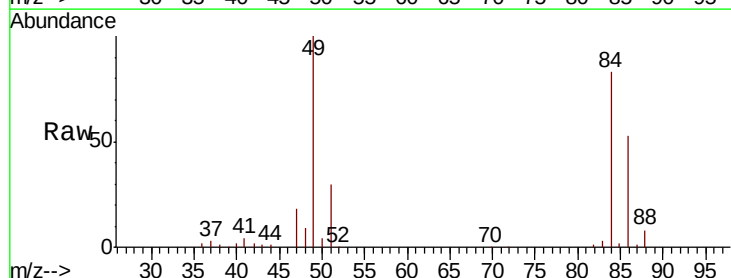
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

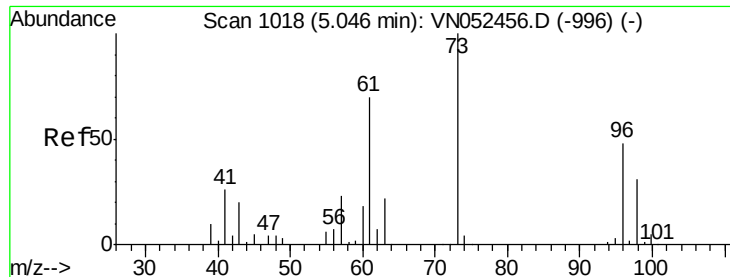
Tot Ion: 41 Resp: 286690
Ion Ratio Lower Upper
41 100
39 67.5 32.8 98.3
76 38.2 18.6 55.8



#18
Methylene Chloride
Concen: 20.733 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 84 Resp: 197608
Ion Ratio Lower Upper
84 100
49 120.9 101.4 152.0
51 35.8 31.7 47.5
86 64.3 50.1 75.1

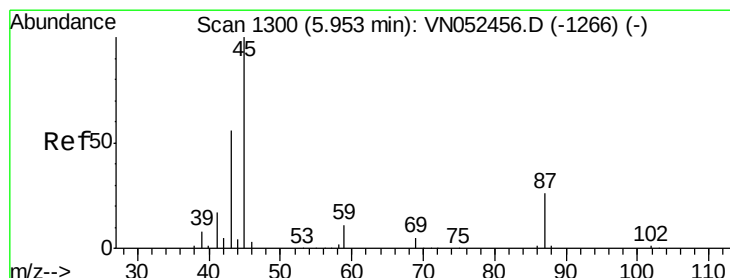
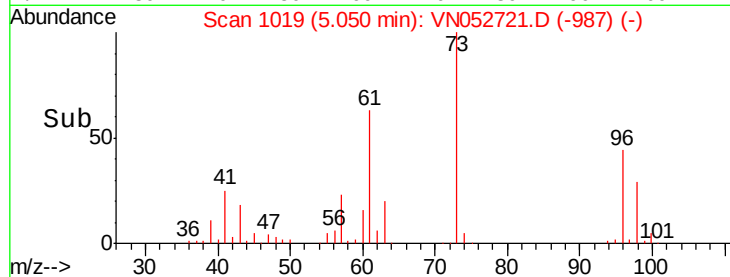
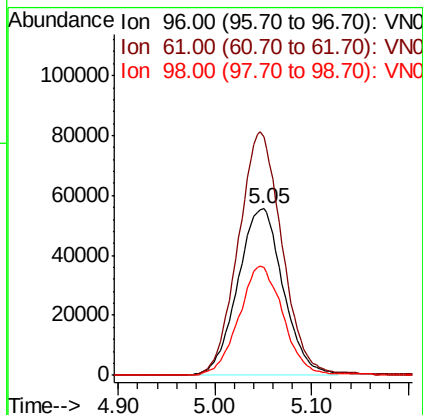
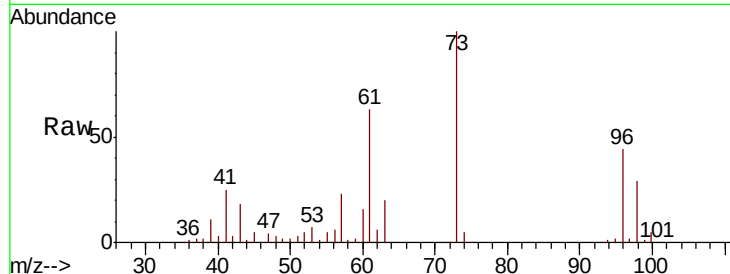




#19
trans-1,2-Dichloroethene
Concen: 20.485 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

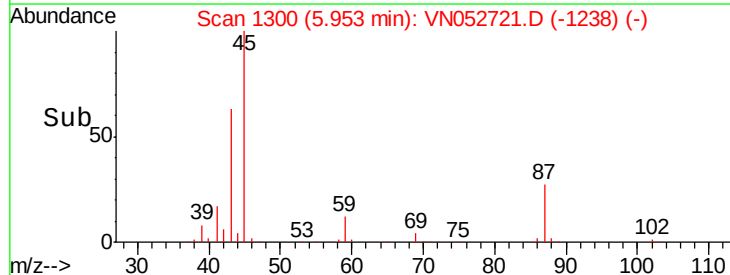
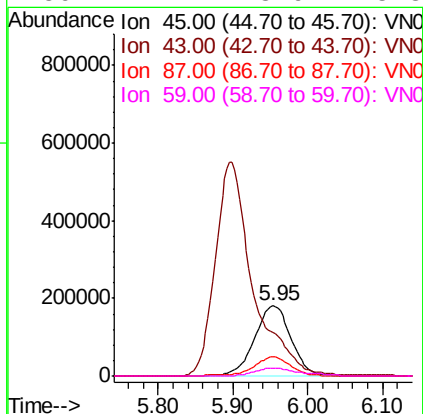
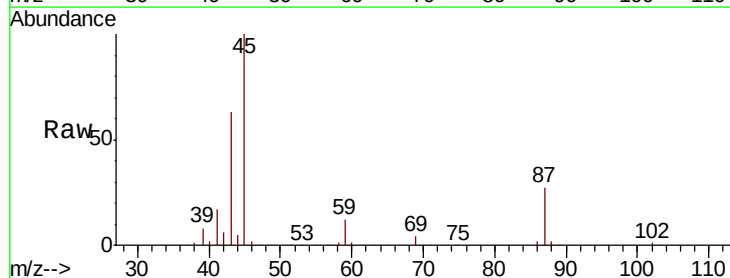
Instrument :
MSVOA_N
ClientSampled :
VN1207WBS01

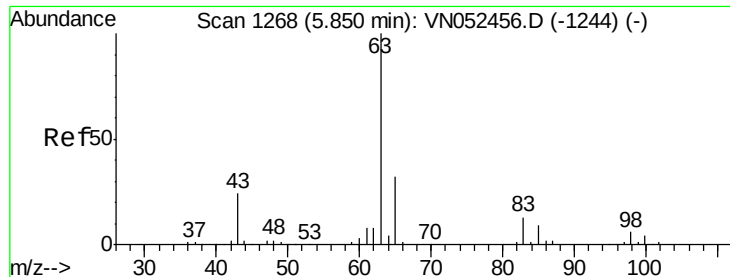
Tot Ion: 96 Resp: 181471
Ion Ratio Lower Upper
96 100
61 142.7 118.2 177.4
98 65.0 51.4 77.2



#20
Diisopropyl ether
Concen: 20.415 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 45 Resp: 615878
Ion Ratio Lower Upper
45 100
43 60.4 47.8 71.8
87 27.1 21.3 31.9
59 11.4 8.9 13.3





#21

1,1-Dichloroethane

Concen: 20.683 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

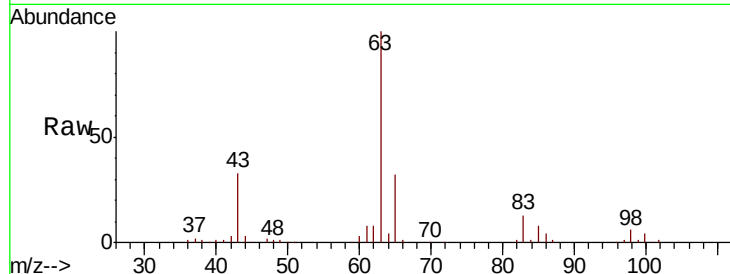
Tot Ion: 63 Resp: 355642

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.0 1.8 5.5

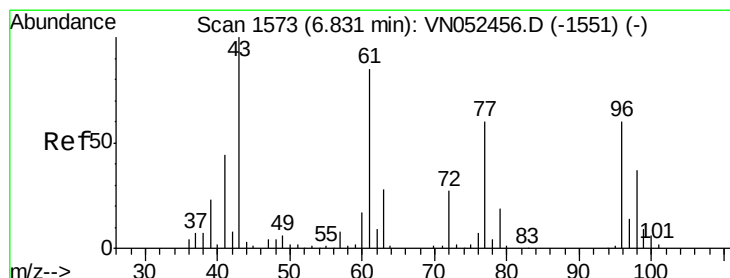
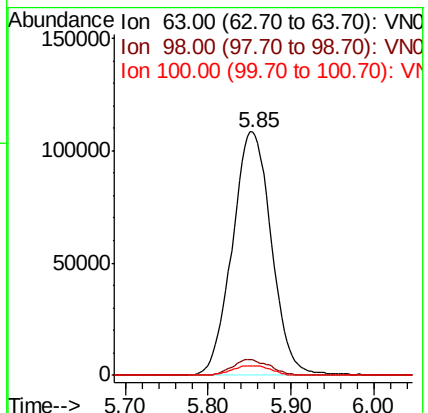
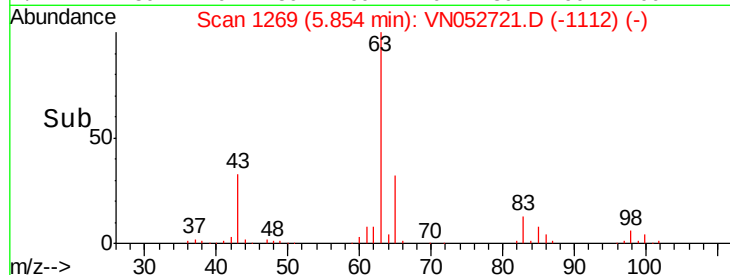


Abundance Ion 63.00 (62.70 to 63.70): VN052721.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052721.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052721.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.887 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

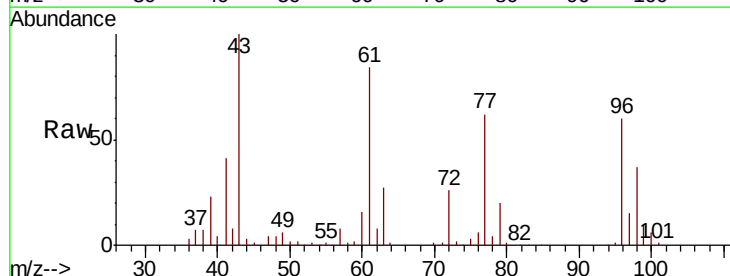
Tgt Ion: 96 Resp: 212061

Ion Ratio Lower Upper

96 100

61 144.4 116.7 175.1

98 63.6 50.8 76.2

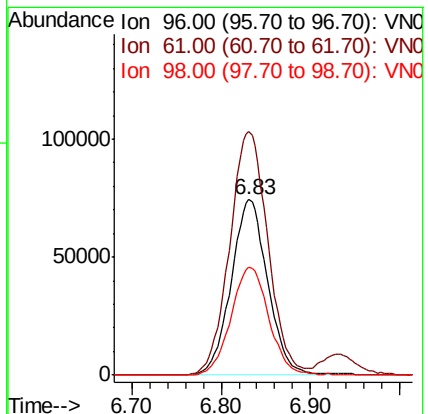
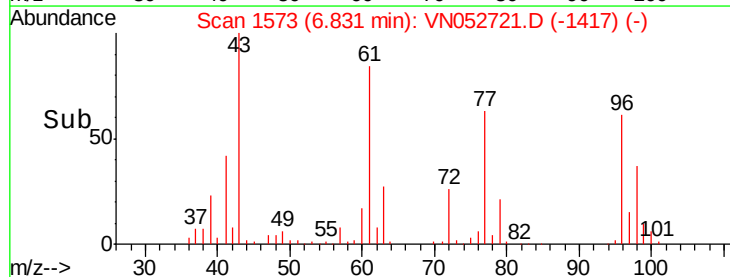


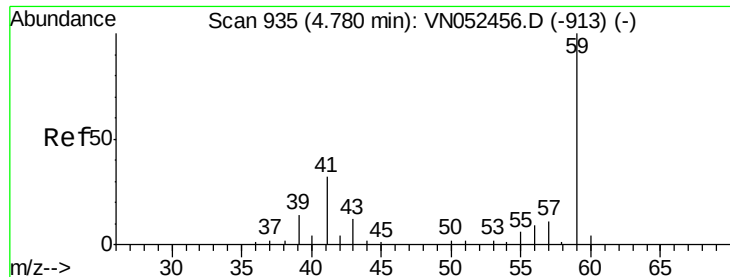
Abundance Ion 96.00 (95.70 to 96.70): VN052721.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052721.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052721.D (-1417) (-)

Time-->



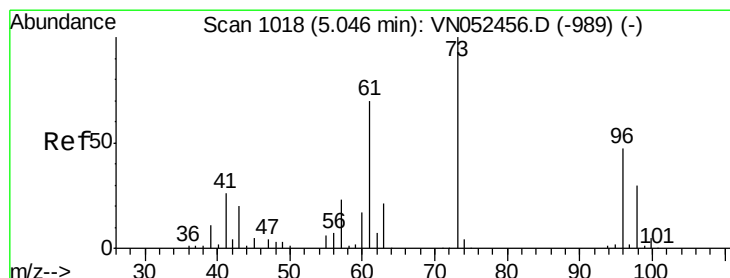
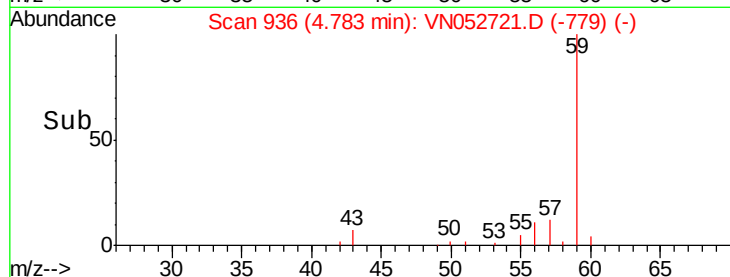
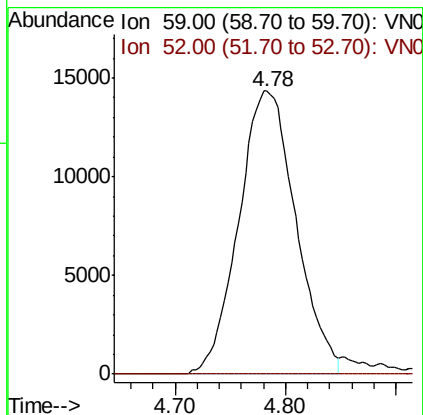
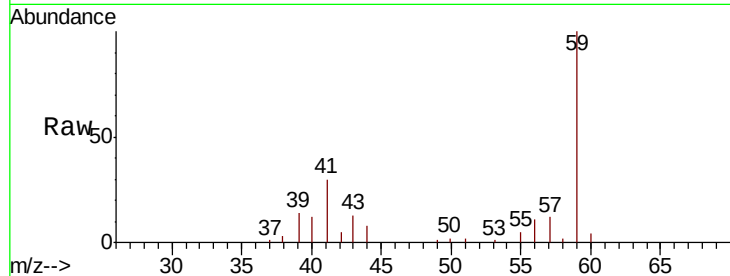


#23

tert-Butyl Alcohol
 Concen: 116.168 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

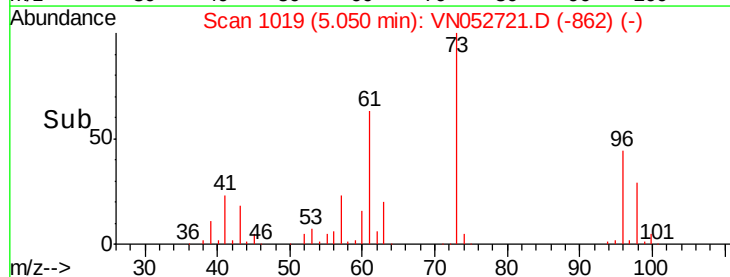
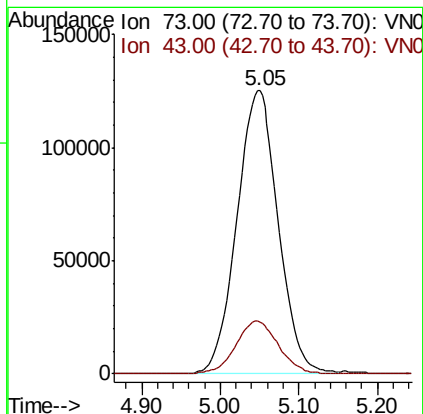
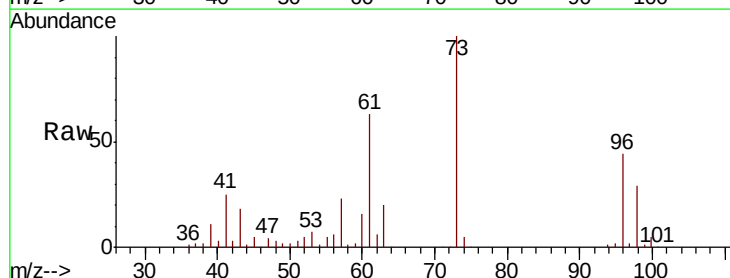
Tot Ion: 59 Resp: 51499
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

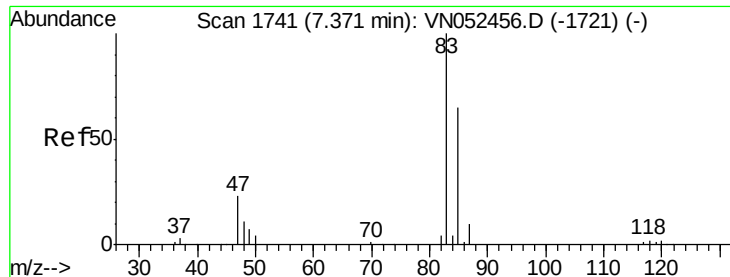


#24

Methyl tert-Butyl Ether
 Concen: 21.393 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 73 Resp: 461988
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.8 23.8

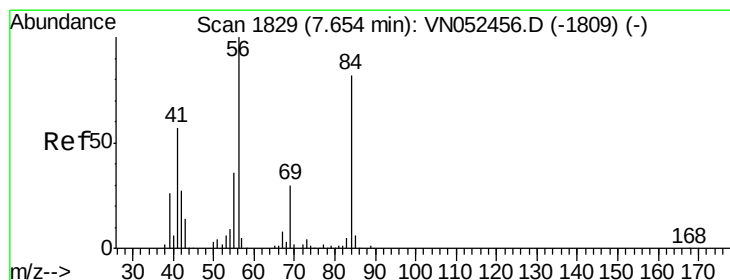
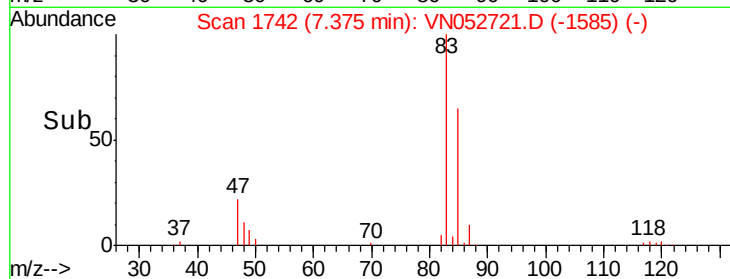
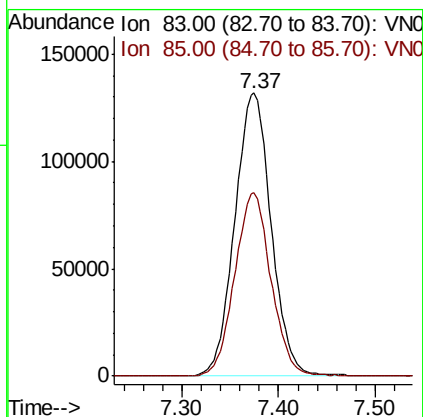
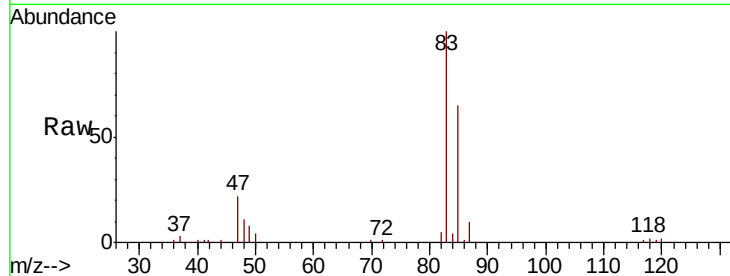




#25
Chloroform
Concen: 20.761 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

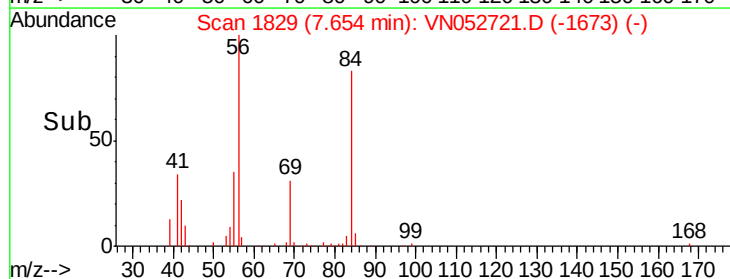
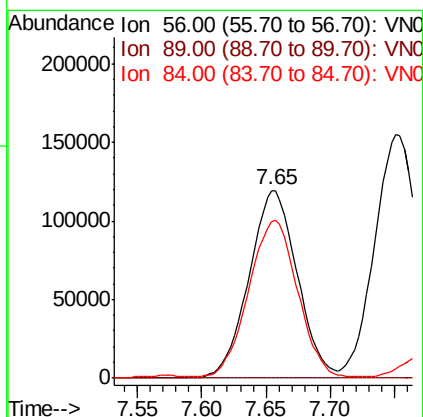
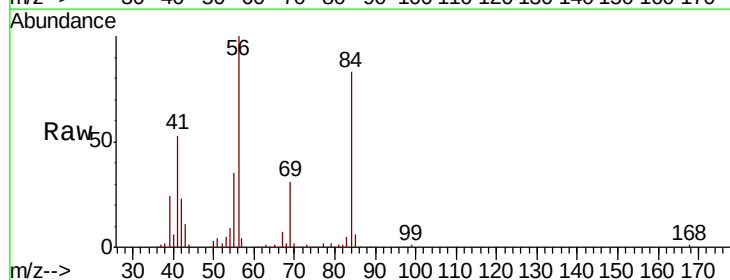
Instrument :
MSVOA_N
ClientSampled :
VN1207WBS01

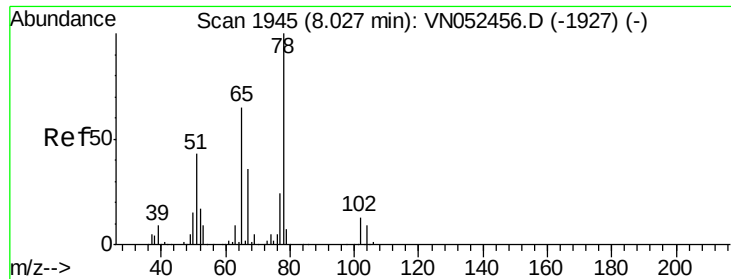
Tot Ion: 83 Resp: 344392
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#26
Cyclohexane
Concen: 19.159 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 56 Resp: 310708
Ion Ratio Lower Upper
56 100
89 0.1 0.5 0.7#
84 84.3 66.2 99.2

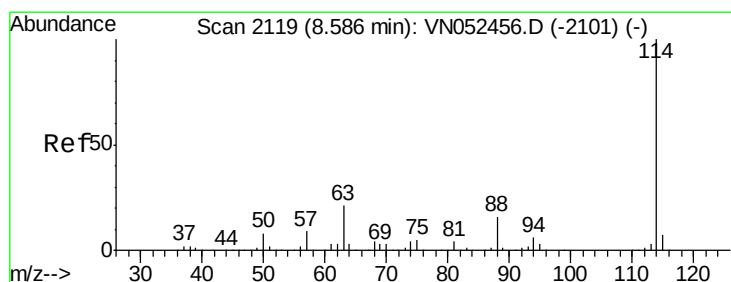
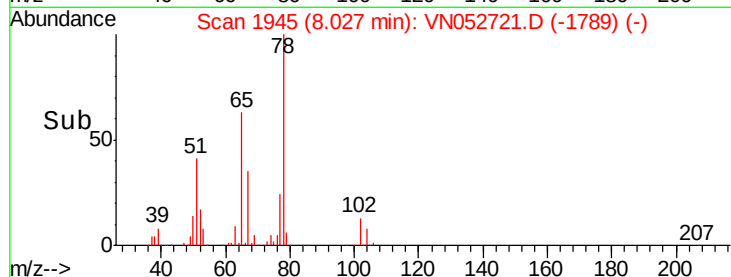
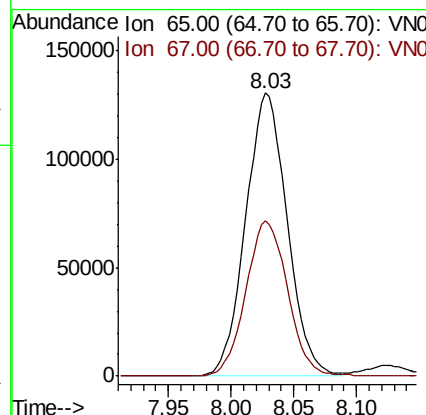
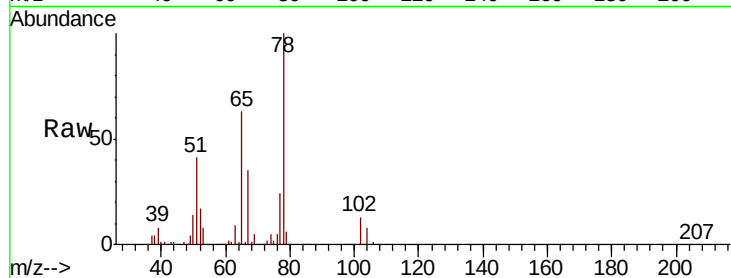




#27
 1,2-Dichloroethane-d4
 Concen: 19.159 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

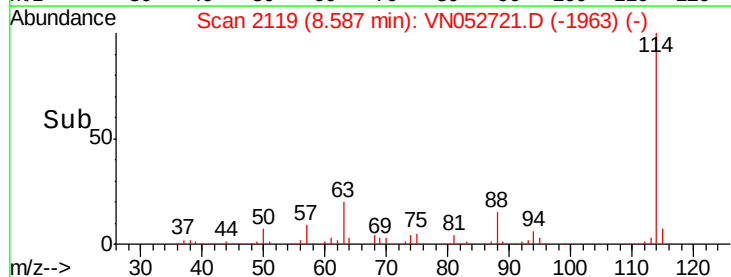
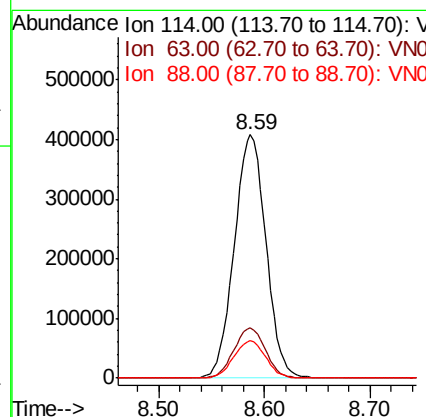
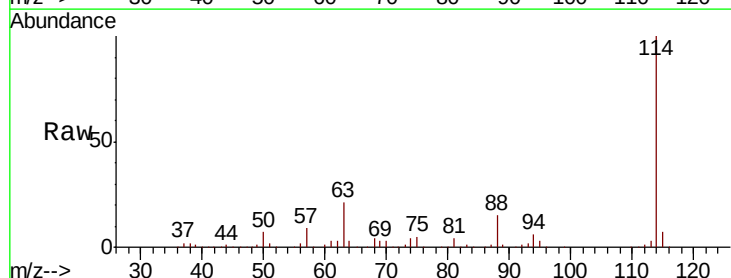
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

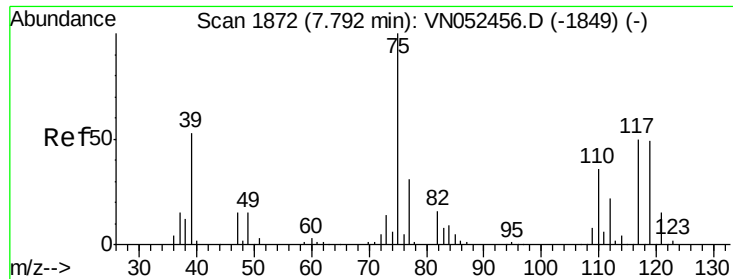
Tot Ion: 65 Resp: 301156
 Ion Ratio Lower Upper
 65 100
 67 55.1 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 114 Resp: 848786
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.9 25.3
 88 15.5 12.8 19.2

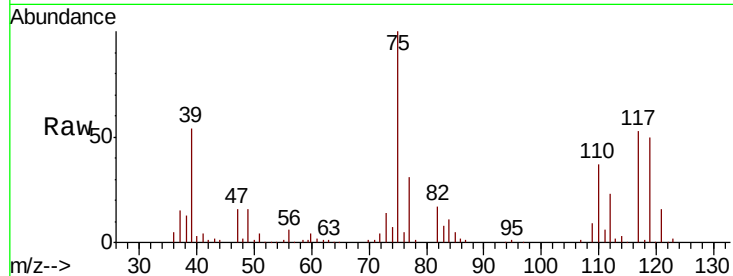




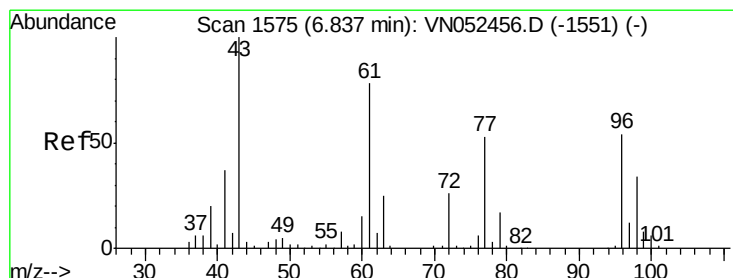
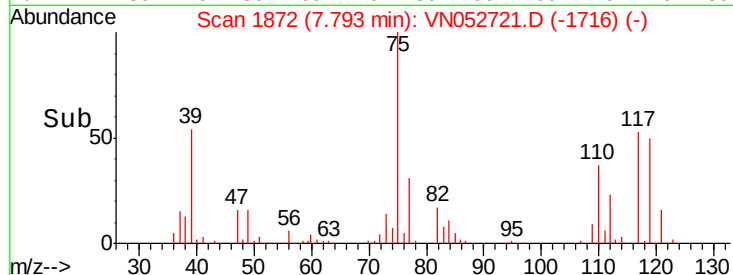
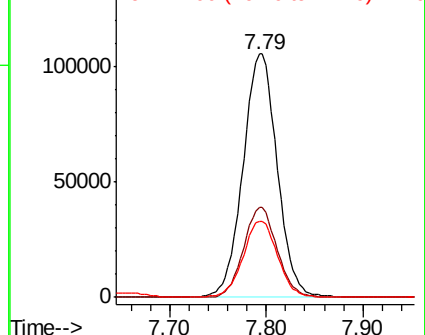
#29
 1,1-Dichloropropene
 Concen: 19.980 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	70.2
77	31.7	0.0	62.6

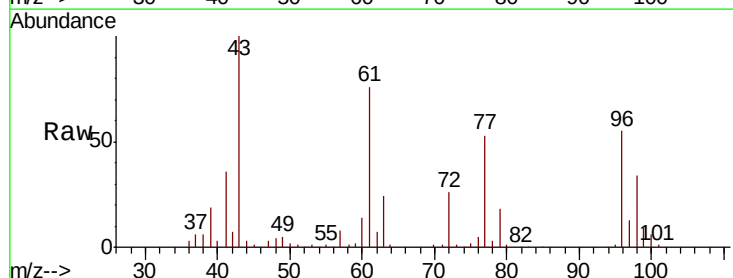


Abundance Ion 75.00 (74.70 to 75.70): VN052456.D (-1849) (-)

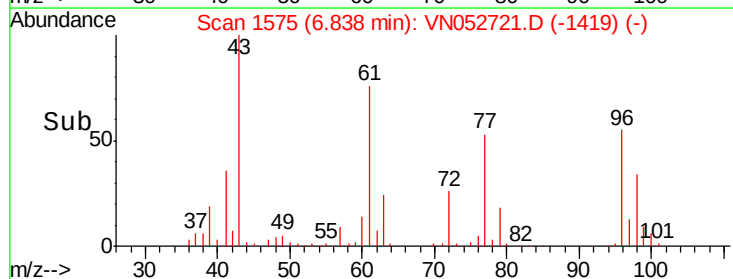
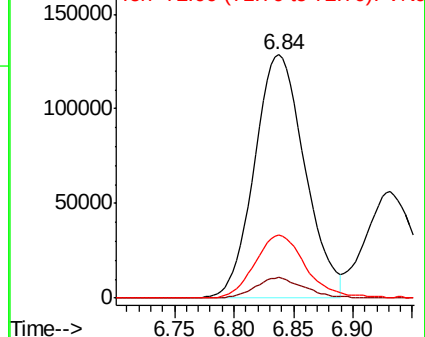


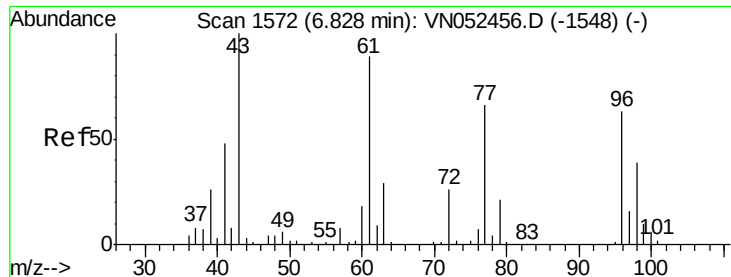
#30
 2-Butanone
 Concen: 108.385 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.4	21.0	31.6



Abundance Ion 43.00 (42.70 to 43.70): VN052456.D (-1551) (-)

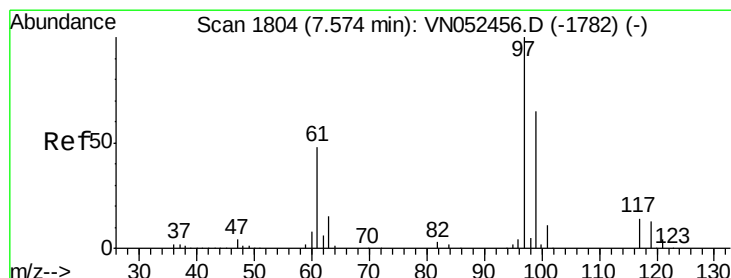
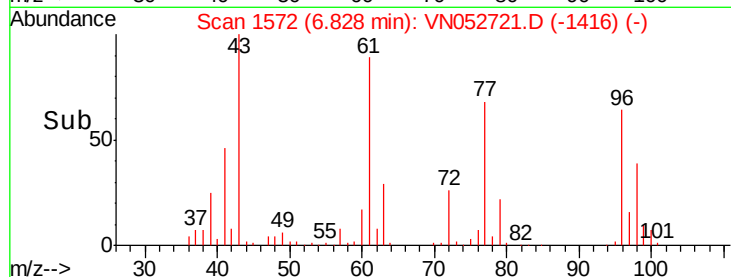
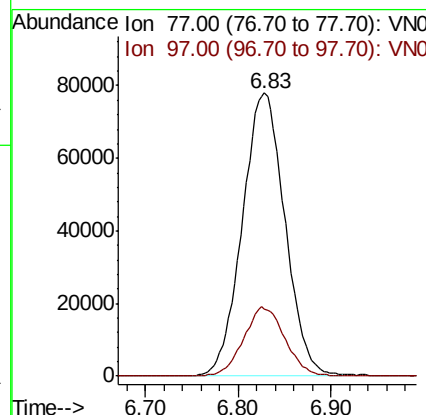
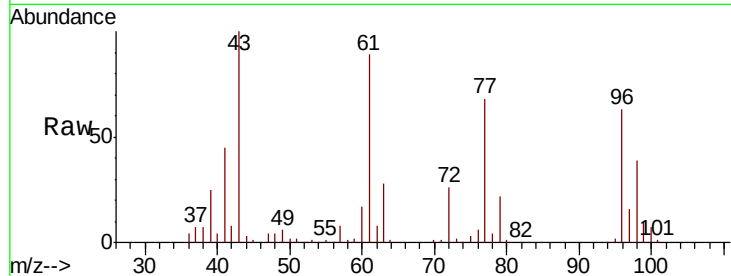




#31
 2,2-Dichloropropane
 Concen: 20.865 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

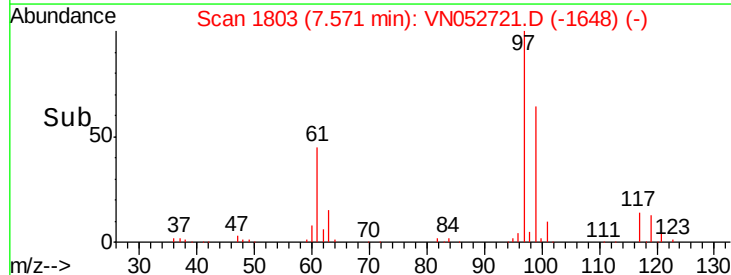
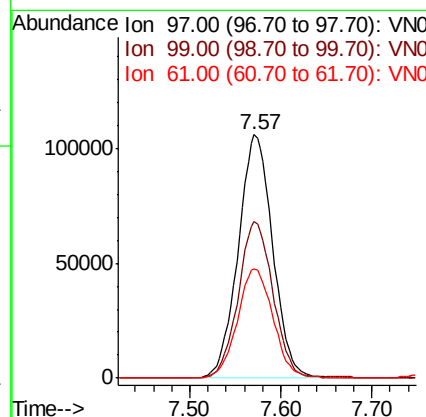
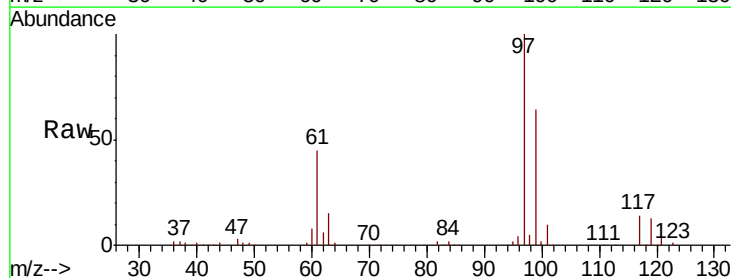
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

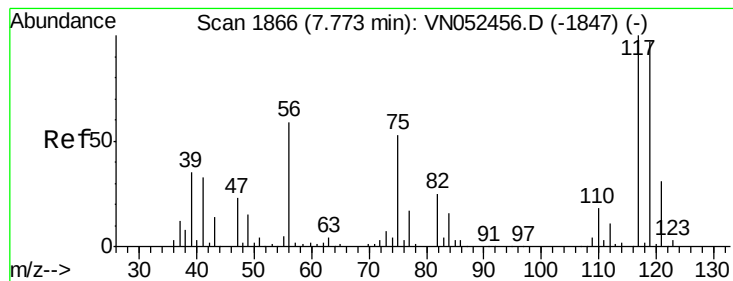
Tot Ion: 77 Resp: 248975
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.715 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 97 Resp: 279382
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 46.0 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.729 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

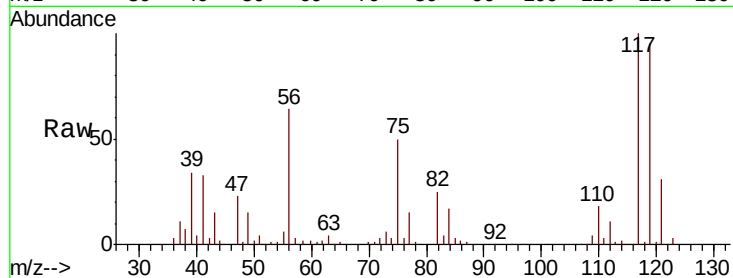
Tot Ion:117 Resp: 244623

Ion Ratio Lower Upper

117 100

119 94.9 77.3 115.9

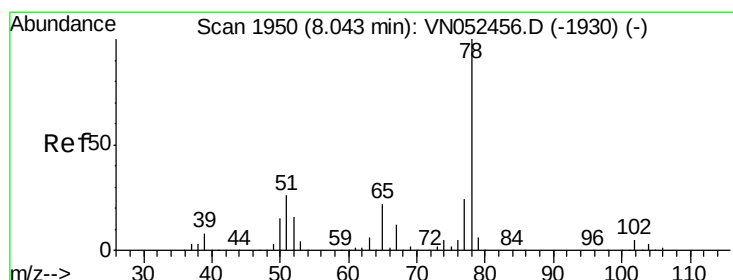
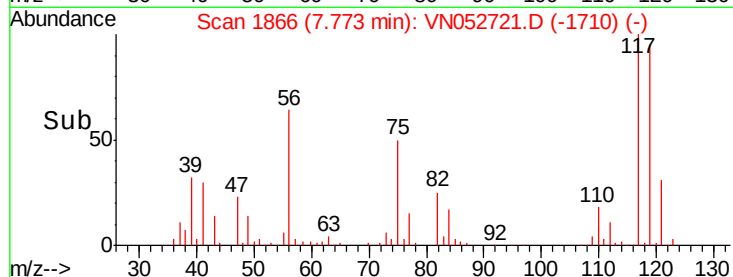
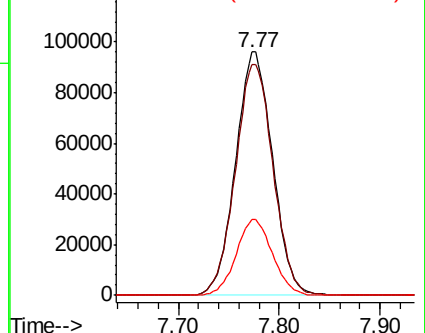
121 31.0 24.9 37.3



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: 20.530 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

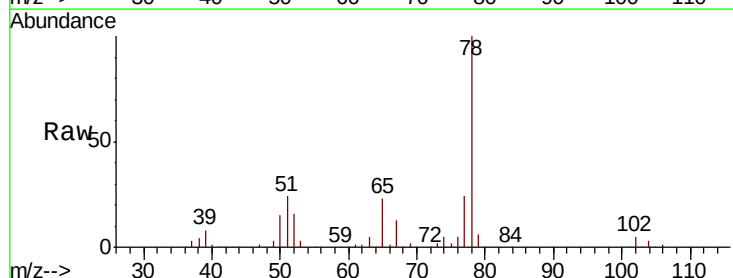
Tgt Ion: 78 Resp: 800057

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

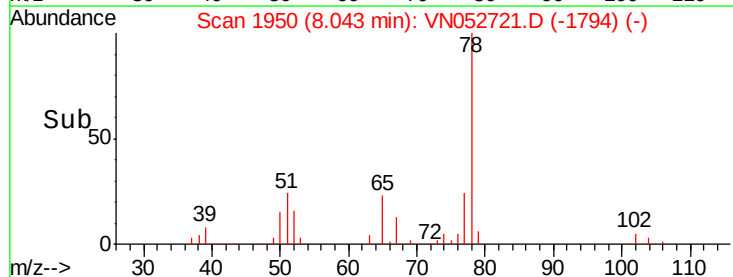
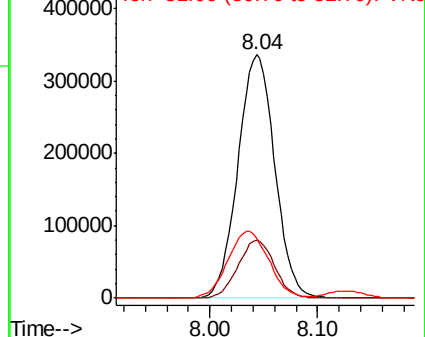
51 24.2 20.5 30.7

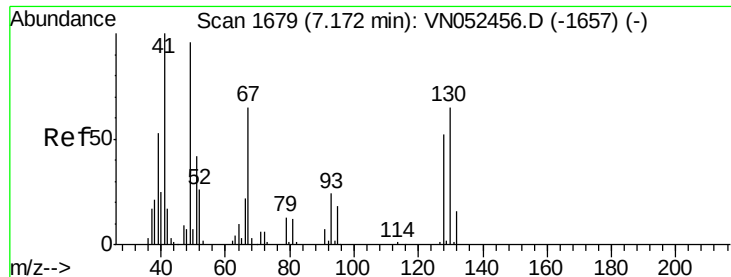


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

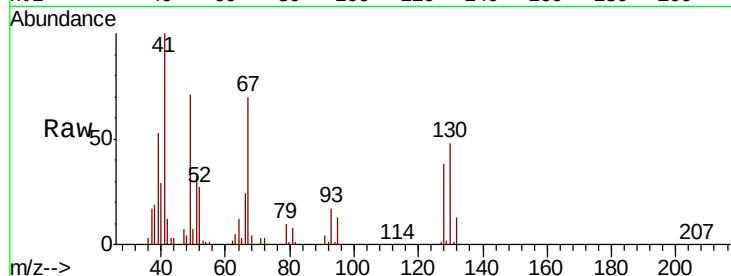




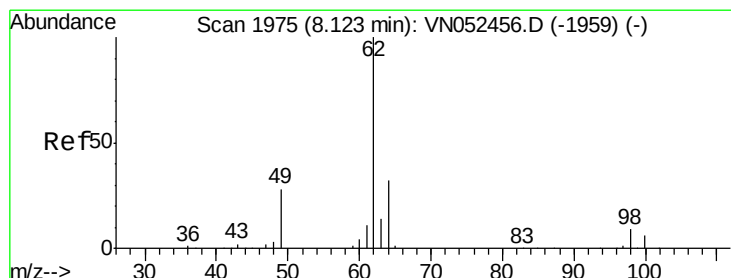
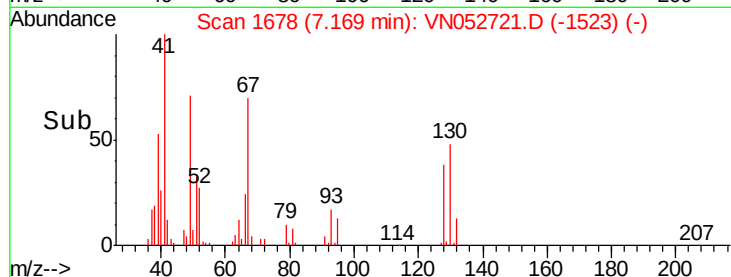
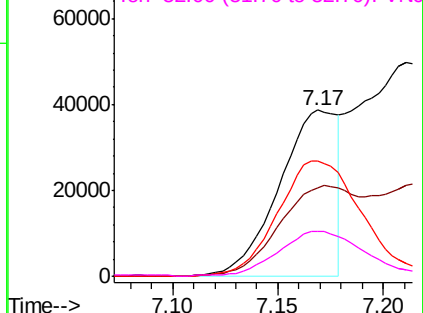
#35
Methacrylonitrile
Concen: 17.312 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion:	41	Resp:	74499
Ion	Ratio	Lower	Upper
41	100		
39	53.0	26.6	79.7
67	69.5	32.3	96.9
52	26.7	13.0	38.9

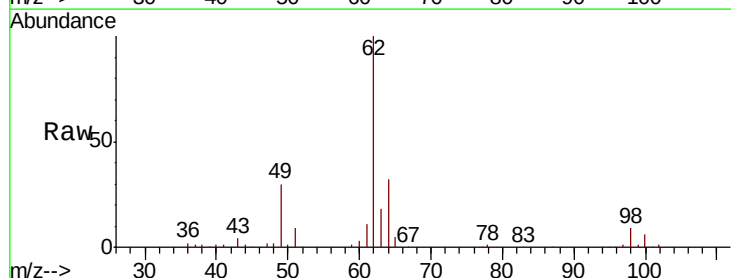


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

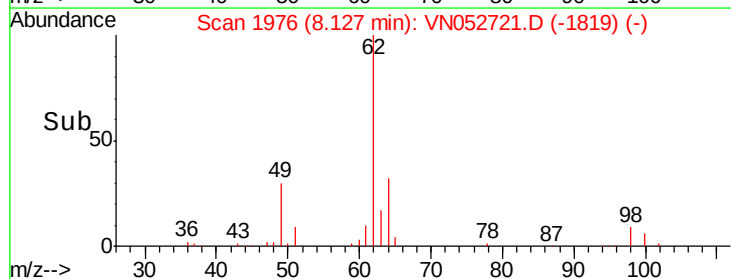
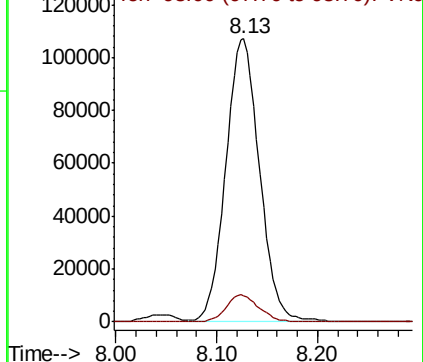


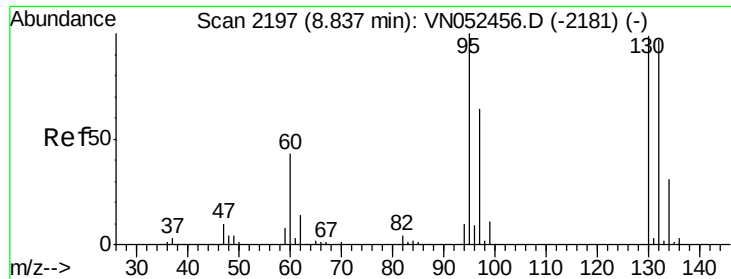
#36
1,2-Dichloroethane
Concen: 21.169 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion:	62	Resp:	249988
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

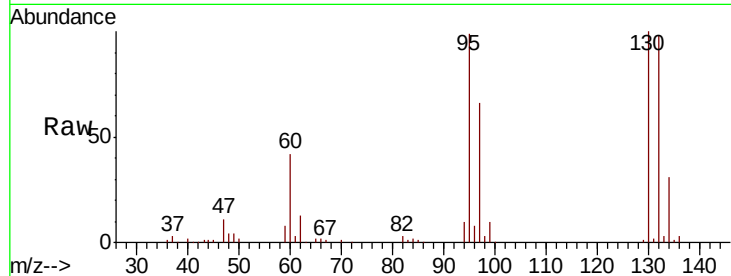




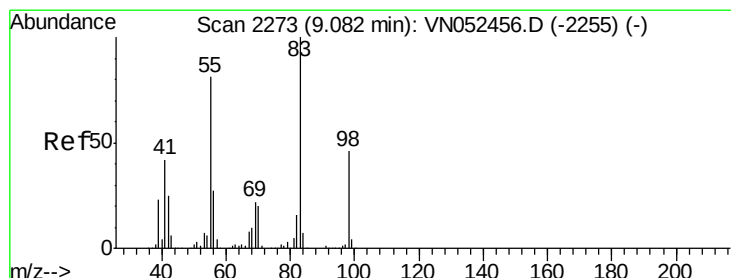
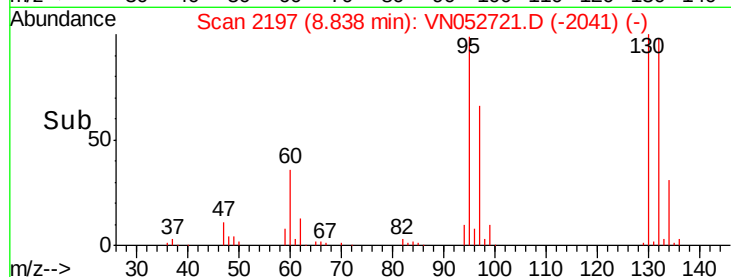
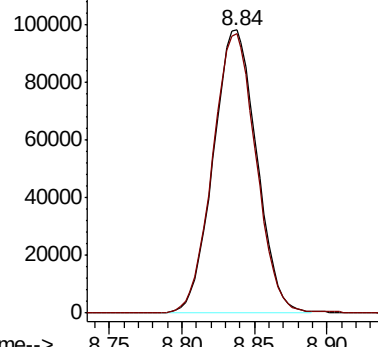
#37
 Trichloroethene
 Concen: 20.674 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN1207WBS01

Tot Ion:130 Resp: 204302
 Ion Ratio Lower Upper
 130 100
 95 98.6 81.0 121.4

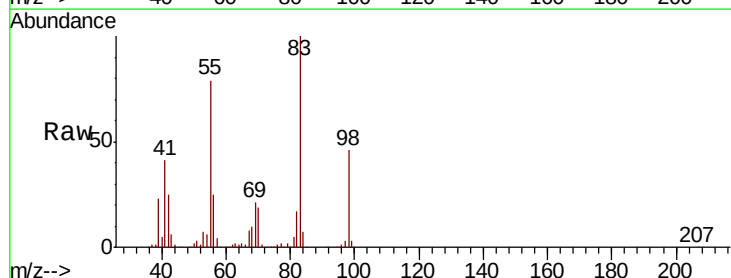


Abundance Ion 129.90 (129.60 to 130.60): VN052721.D (-2197) (-)
 Ion 94.90 (94.60 to 95.60): VN052721.D (-2197) (-)

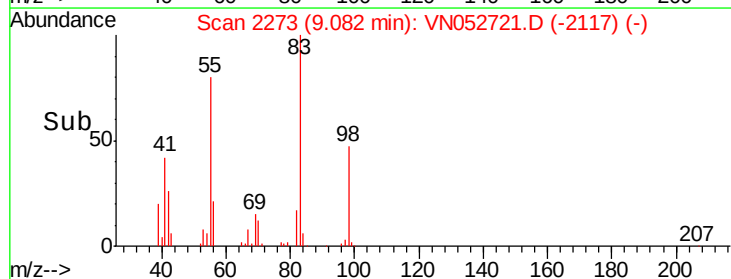
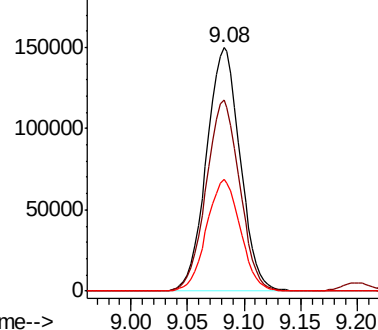


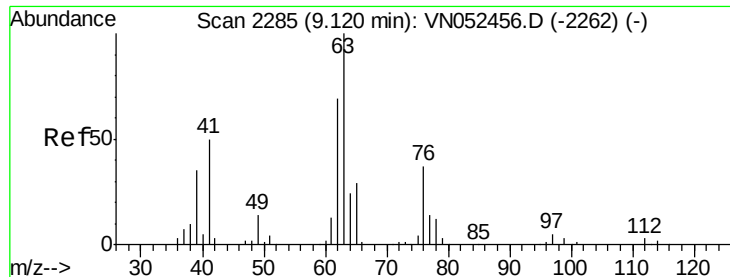
#38
 Methylcyclohexane
 Concen: 19.368 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 83 Resp: 310764
 Ion Ratio Lower Upper
 83 100
 55 78.2 39.8 119.4
 98 46.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN052721.D (-2117) (-)
 Ion 55.00 (54.70 to 55.70): VN052721.D (-2117) (-)
 Ion 98.00 (97.70 to 98.70): VN052721.D (-2117) (-)





#39

1,2-Dichloropropane

Concen: 20.364 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

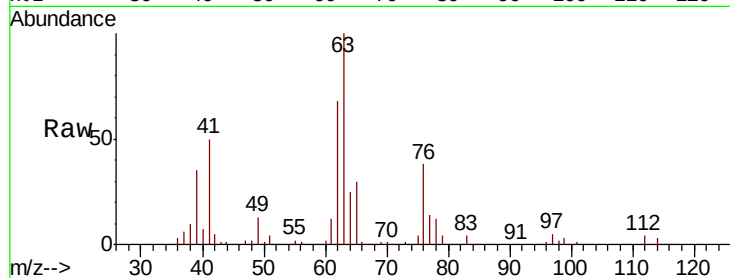
VN1207WBS01

Tot Ion: 63 Resp: 212728

Ion Ratio Lower Upper

63 100

65 29.5 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

120000

100000

80000

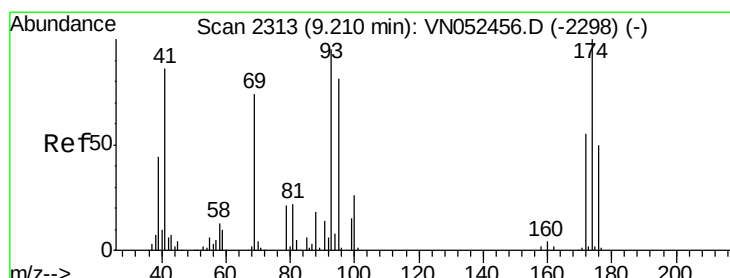
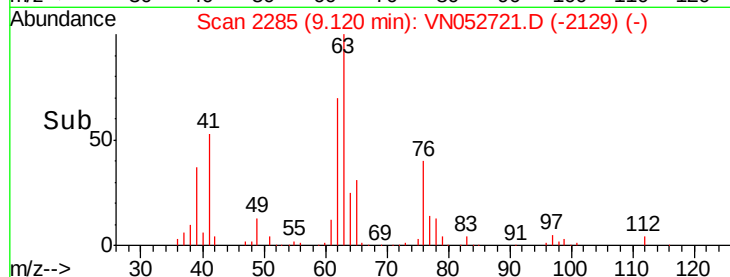
60000

40000

20000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 22.072 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

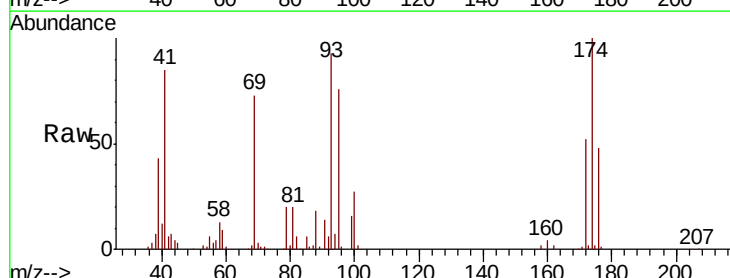
Tgt Ion: 93 Resp: 124596

Ion Ratio Lower Upper

93 100

95 81.7 0.0 168.4

174 107.0 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

80000

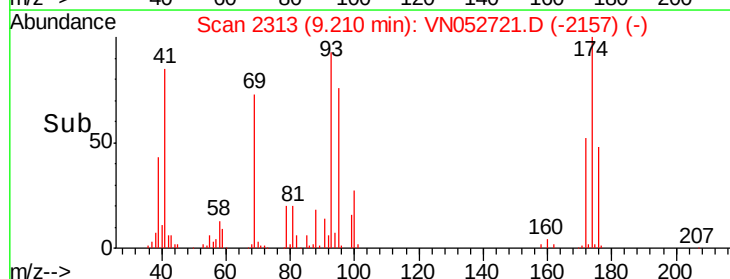
60000

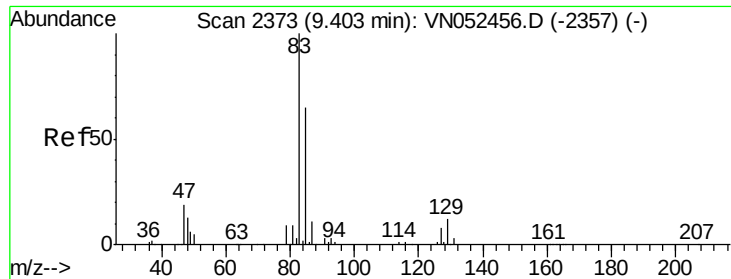
40000

20000

0

Time--> 9.15 9.20 9.25 9.30

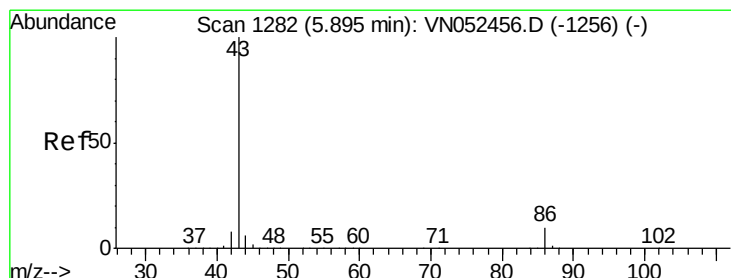
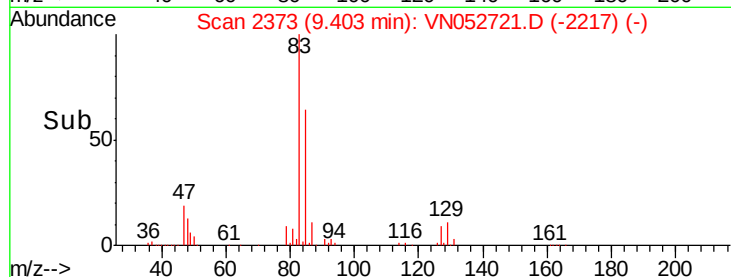
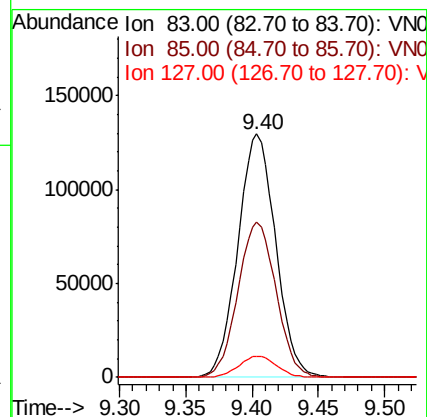
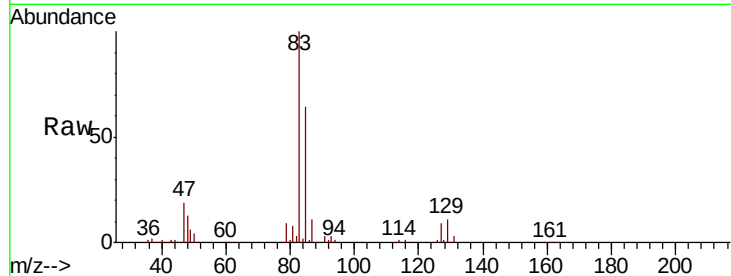




#41
 Bromodichloromethane
 Concen: 20.609 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

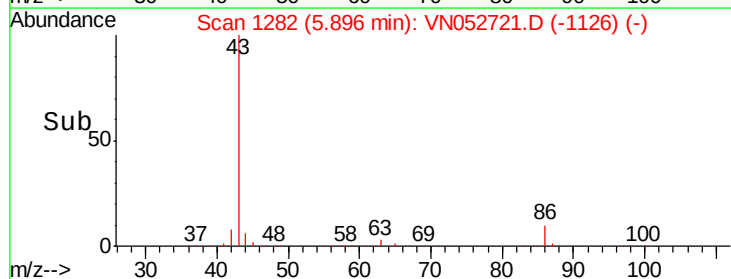
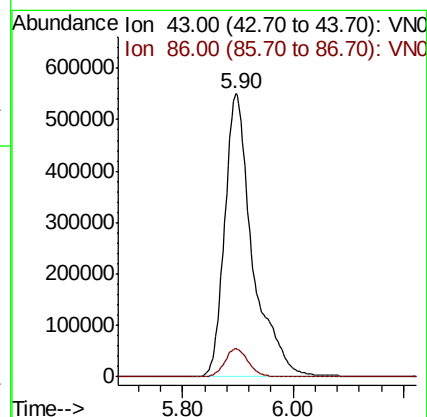
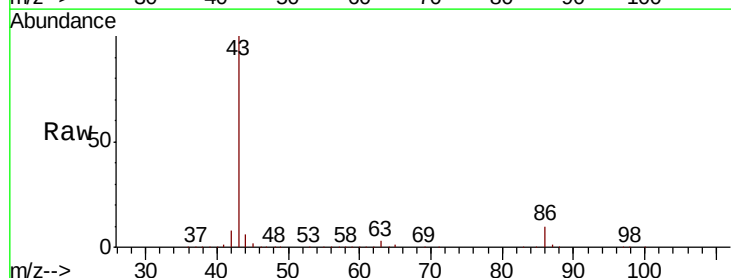
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

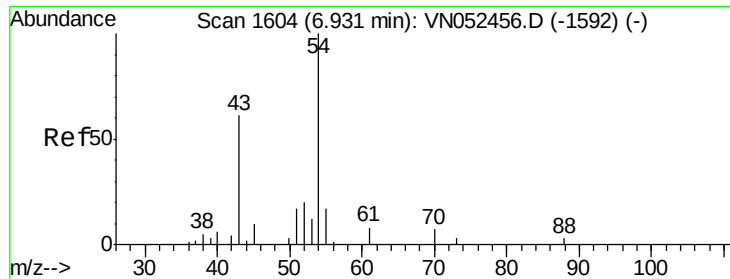
Tot Ion: 83 Resp: 257035
 Ion Ratio Lower Upper
 83 100
 85 63.7 52.4 78.6
 127 8.7 6.6 9.8



#42
 Vinyl Acetate
 Concen: 102.758 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 43 Resp: 1928368
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.5 9.7





#43

Ethyl Acetate

Concen: 50.971 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.09 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

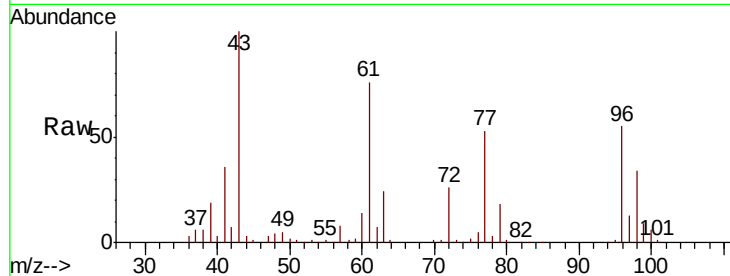
VN1207WBS01

Tot Ion: 43 Resp: 375920

Ion Ratio Lower Upper

43 100

45 1.2 1.0 1.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

6.84

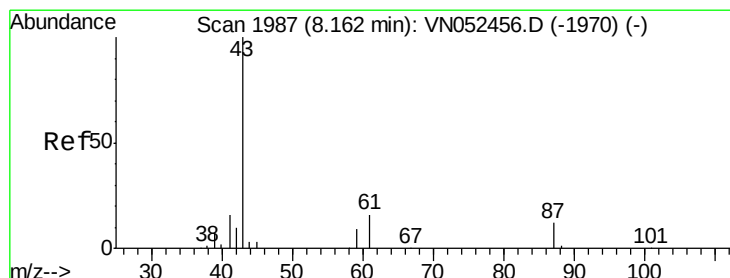
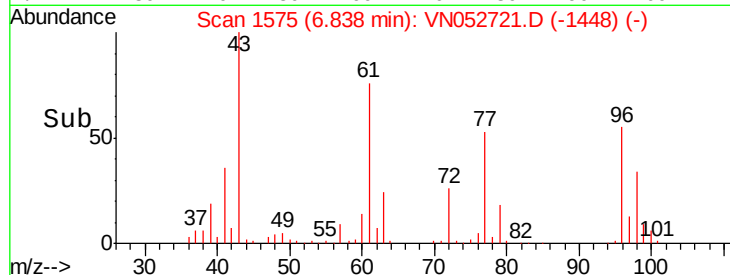
150000

100000

50000

0

Time-->



#44

Isopropyl Acetate

Concen: 21.898 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052721.D

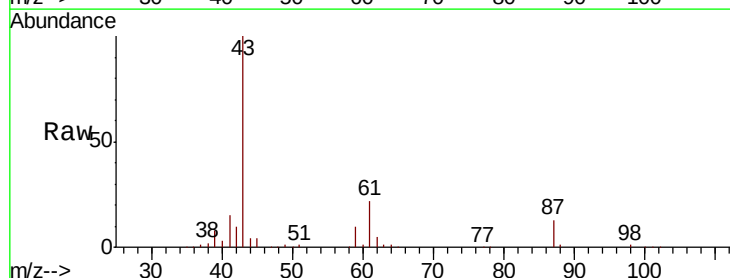
Acq: 7 Dec 2018 12:45

Tgt Ion: 43 Resp: 283245

Ion Ratio Lower Upper

43 100

61 29.0 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

8.17

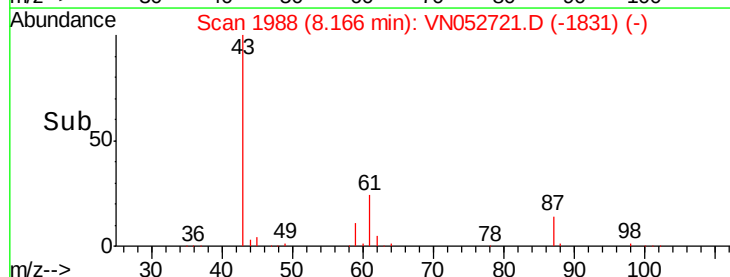
150000

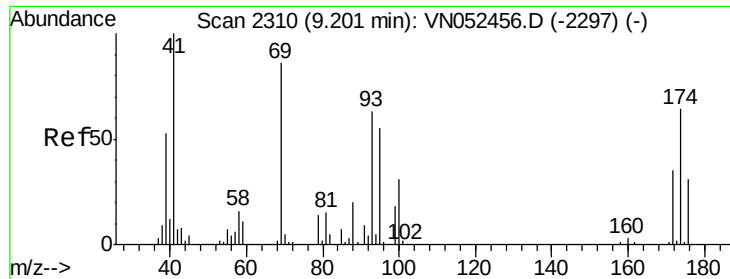
100000

50000

0

Time-->

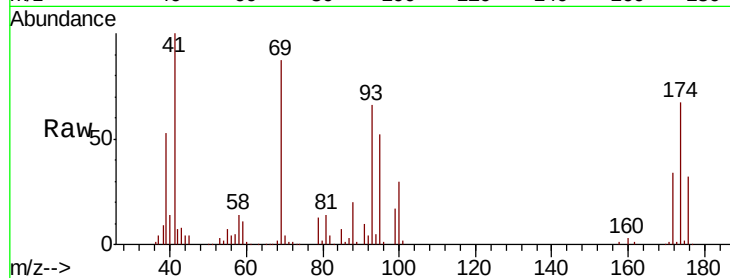




#45
 1,4-Dioxane
 Concen: 465.727 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	88	Resp	32955
Ion	Ratio	Lower	Upper
88	100		
43	32.0	29.5	44.3
58	72.0	61.5	92.3

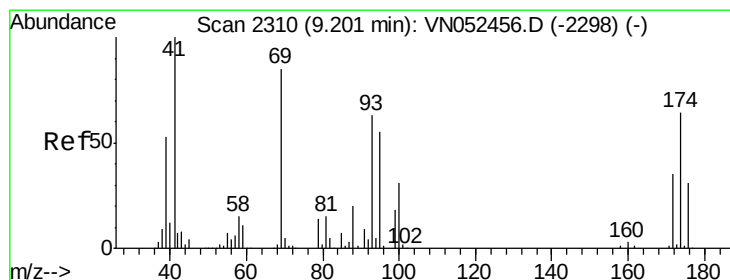
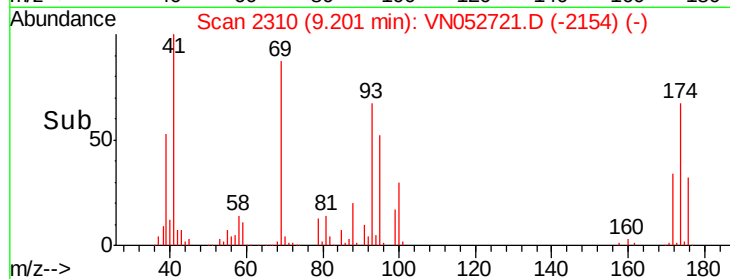
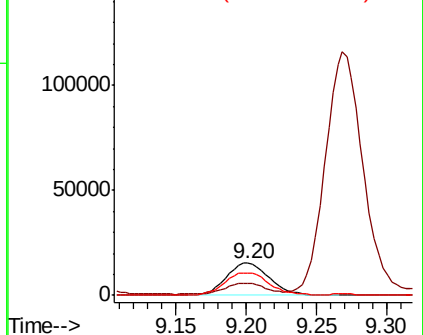


Abundance

Ion 88.00 (87.70 to 88.70): VN0

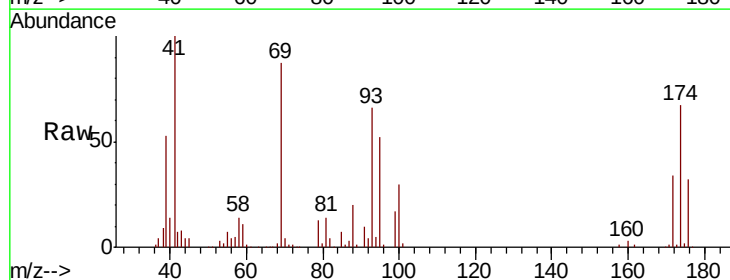
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 21.324 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	41	Resp	143211
Ion	Ratio	Lower	Upper
41	100		
69	87.7	42.5	127.6
39	53.0	26.3	78.9

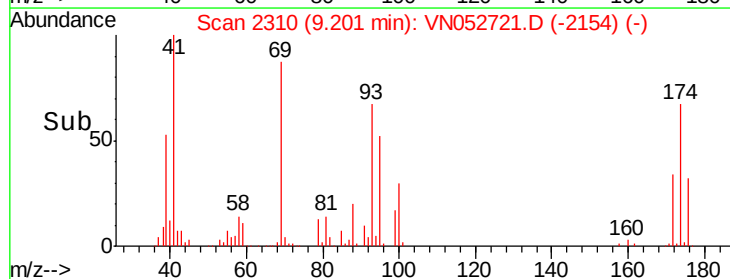
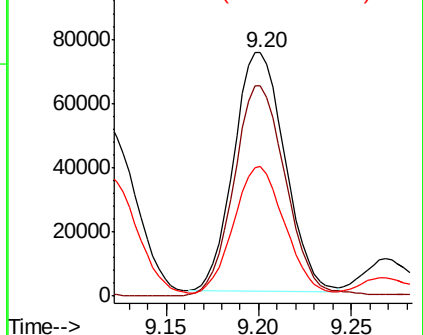


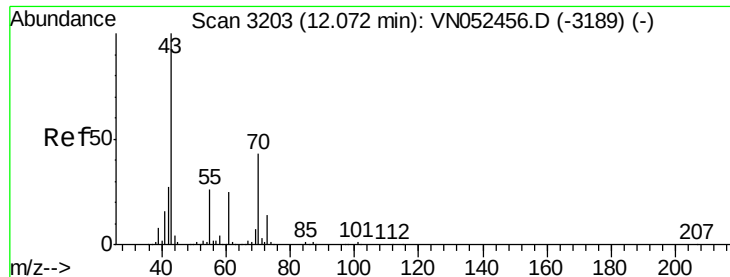
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 20.703 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

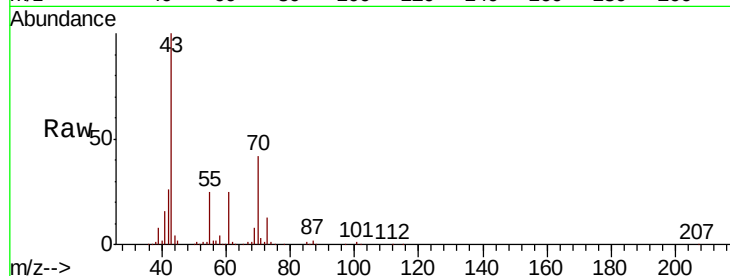
VN1207WBS01

Tot Ion: 43 Resp: 222029

Ion Ratio Lower Upper

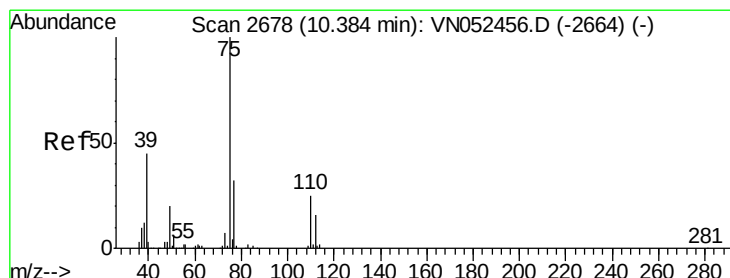
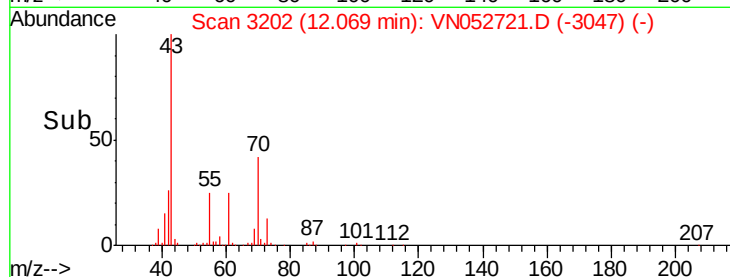
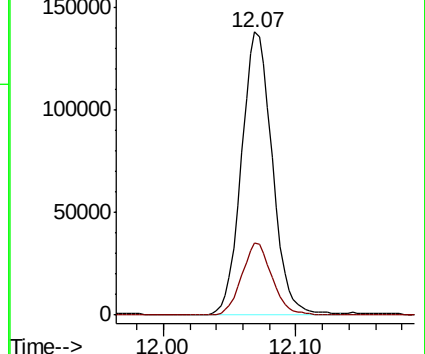
43 100

55 25.3 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.877 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052721.D

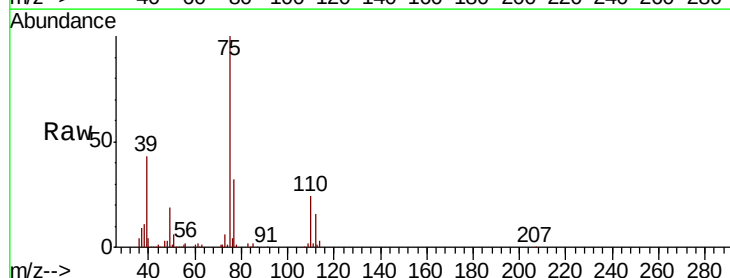
Acq: 7 Dec 2018 12:45

Tgt Ion: 75 Resp: 252470

Ion Ratio Lower Upper

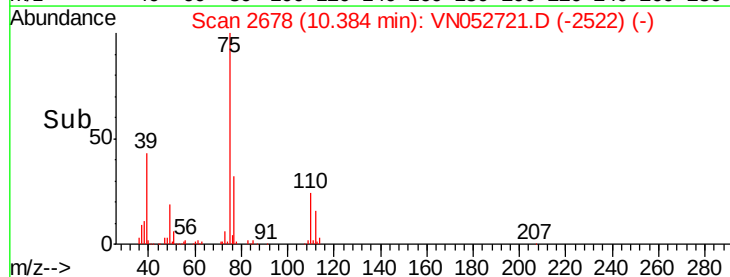
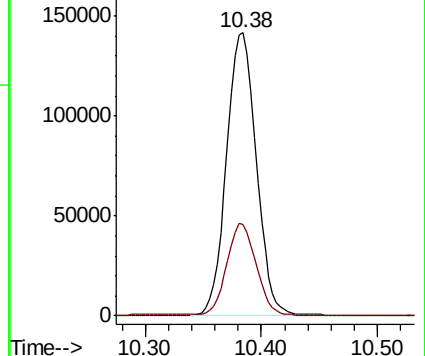
75 100

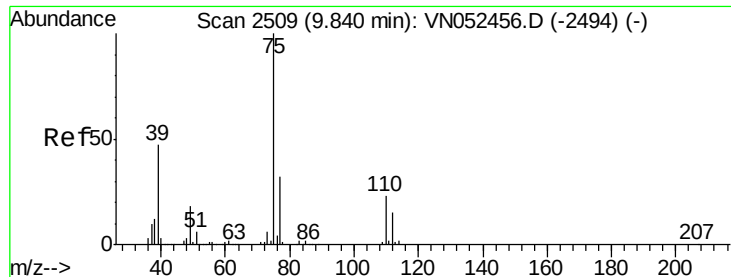
77 32.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



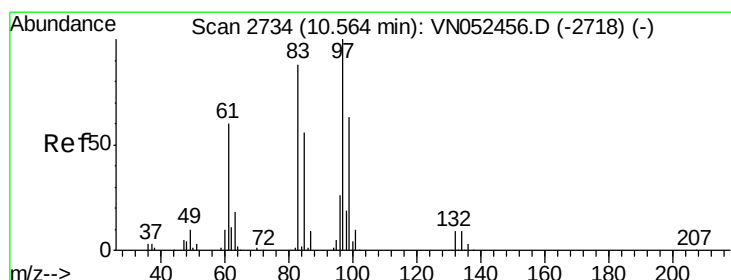
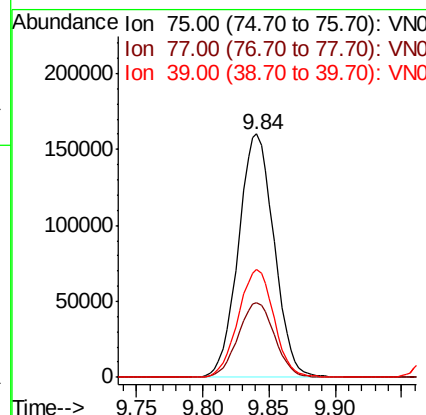
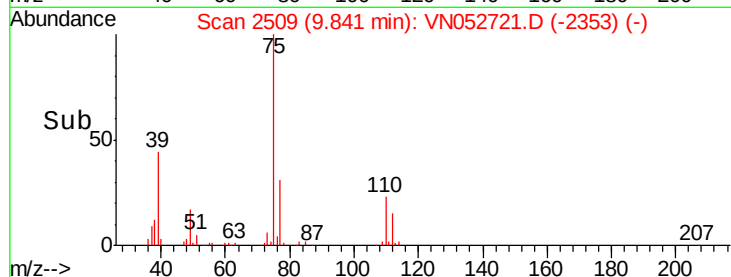
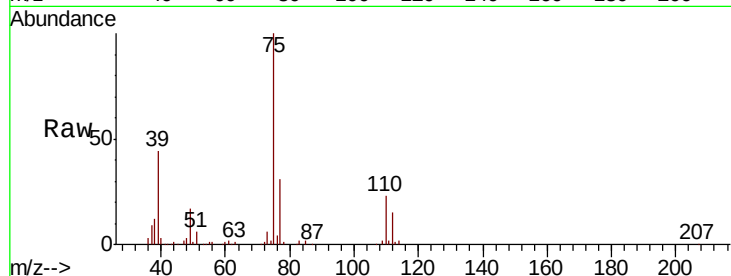


#49

cis-1,3-Dichloropropene
Concen: 20.344 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

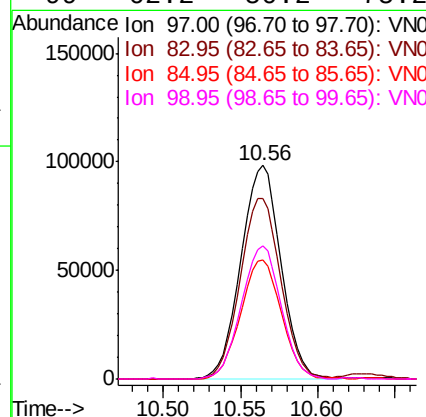
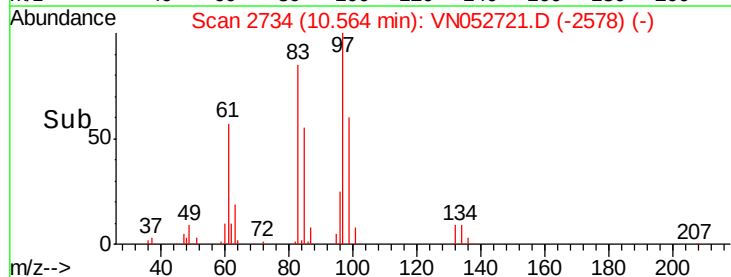
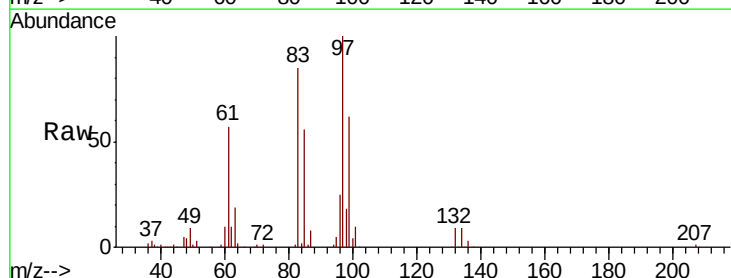
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	44.1	37.3	55.9

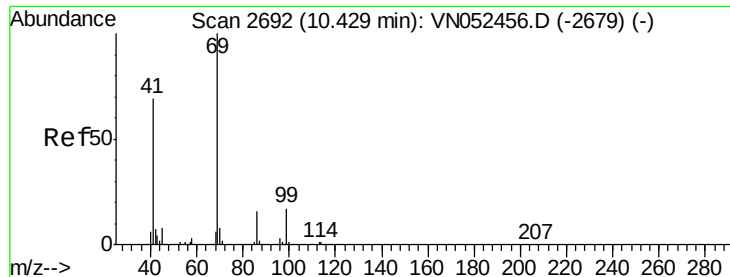


#50

1,1,2-Trichloroethane
Concen: 22.197 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.4	105.6
85	55.6	45.0	67.6
99	62.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.362 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

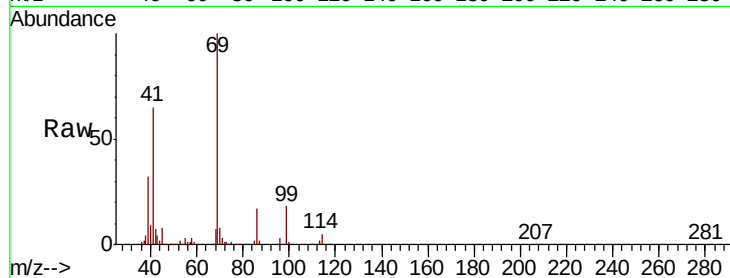
Tot Ion: 69 Resp: 214686

Ion Ratio Lower Upper

69 100

41 64.8 34.4 103.3

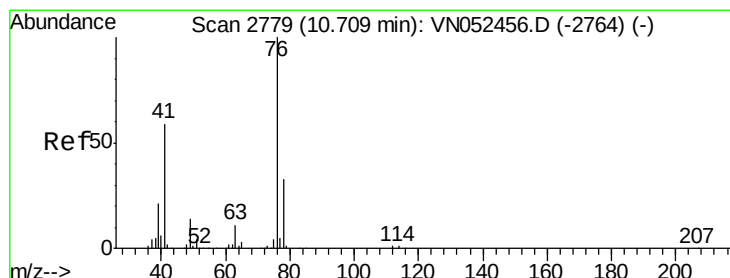
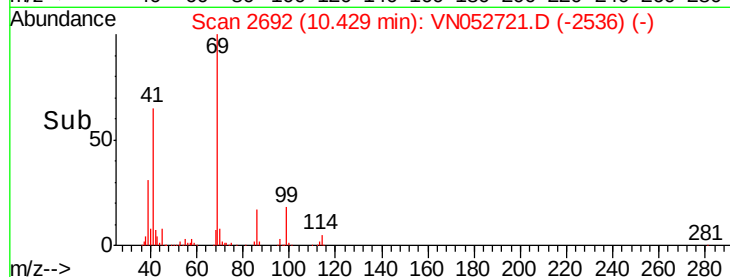
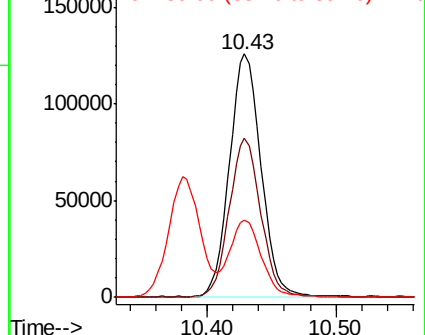
39 31.6 16.4 49.2



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: 21.380 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052721.D

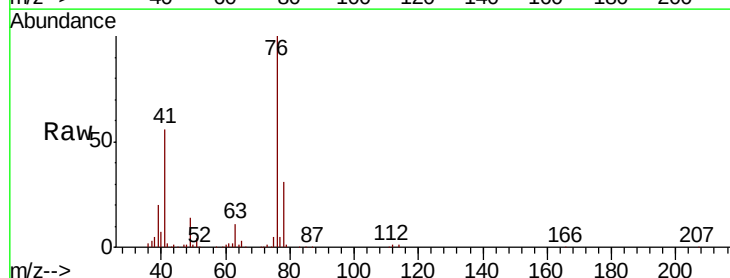
Acq: 7 Dec 2018 12:45

Tgt Ion: 76 Resp: 304523

Ion Ratio Lower Upper

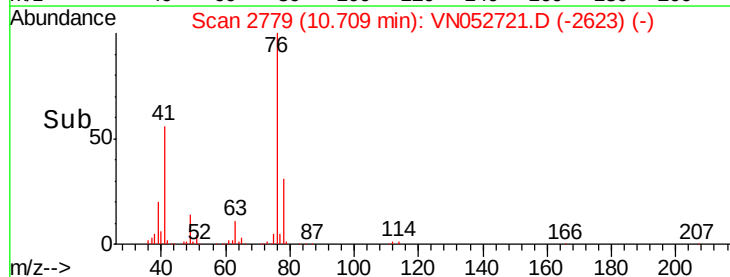
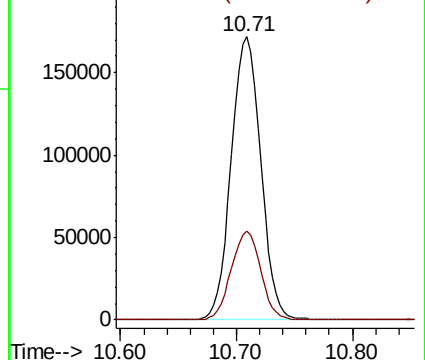
76 100

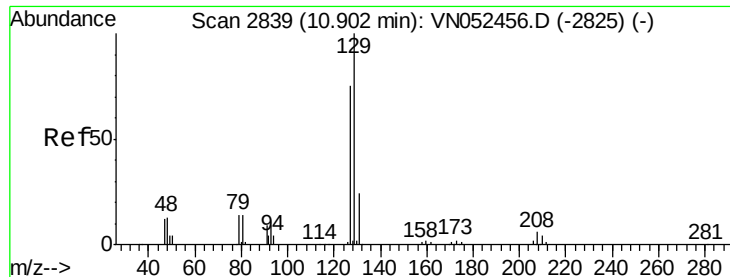
78 31.3 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 21.161 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

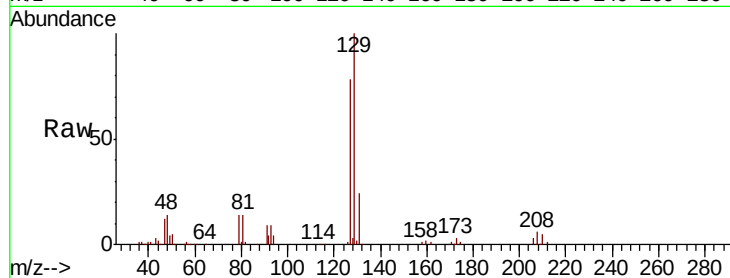
VN1207WBS01

Tot Ion:129 Resp: 186420

Ion Ratio Lower Upper

129 100

127 77.4 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

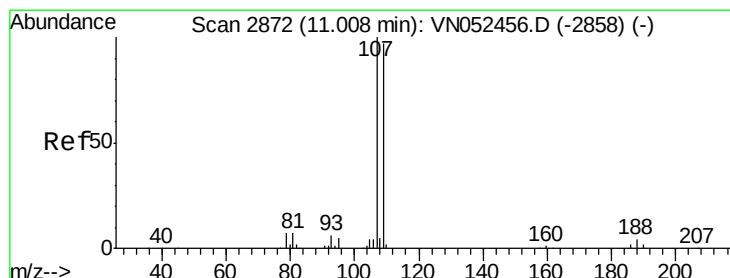
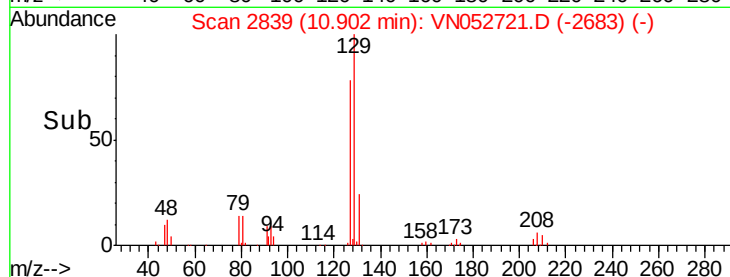
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 21.566 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052721.D

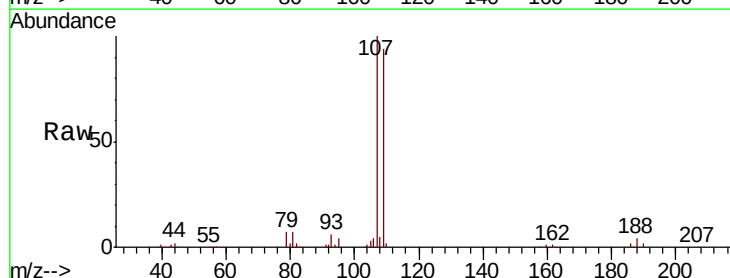
Acq: 7 Dec 2018 12:45

Tgt Ion:107 Resp: 168625

Ion Ratio Lower Upper

107 100

109 93.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

100000

80000

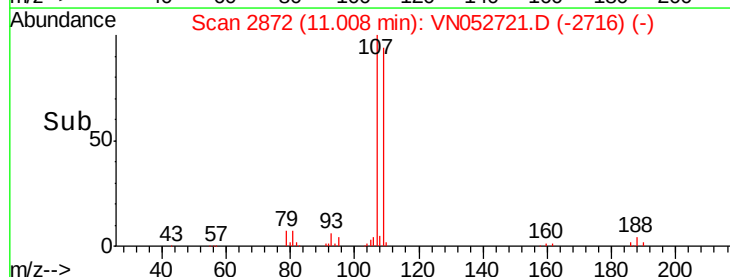
60000

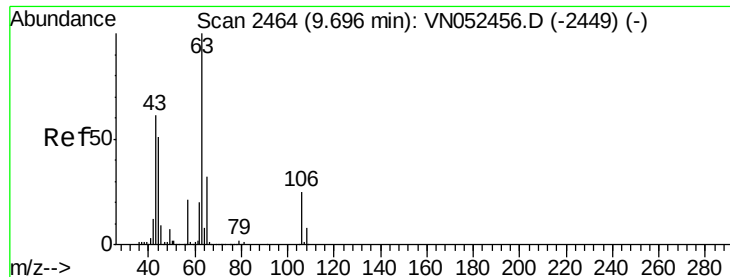
40000

20000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 106.088 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

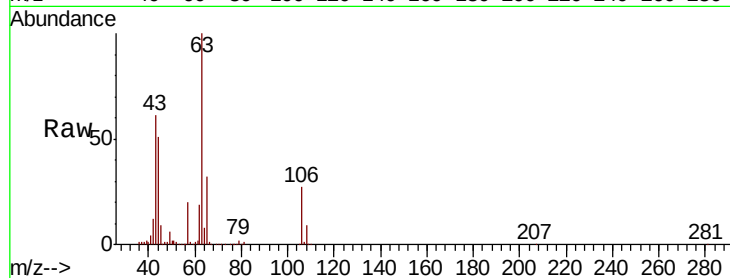
Tot Ion: 63 Resp: 624090

Ion Ratio Lower Upper

63 100

65 31.8 25.4 38.2

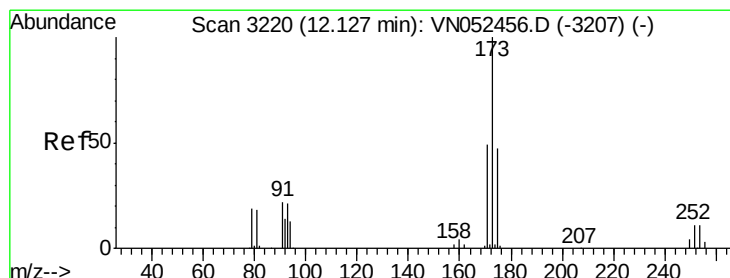
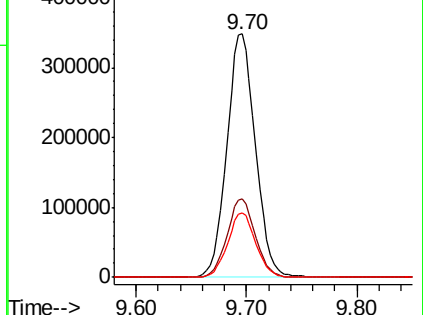
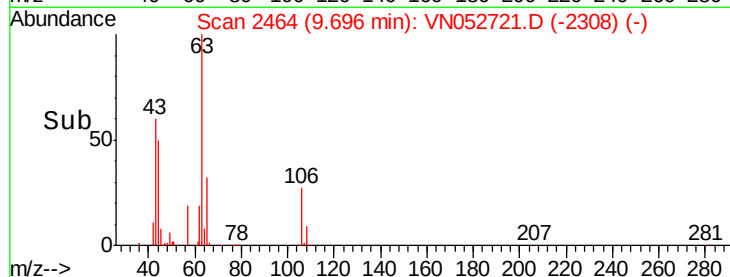
106 26.0 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN052721.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN052721.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN052721.D (-2308) (-)



#56

Bromoform

Concen: 21.862 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

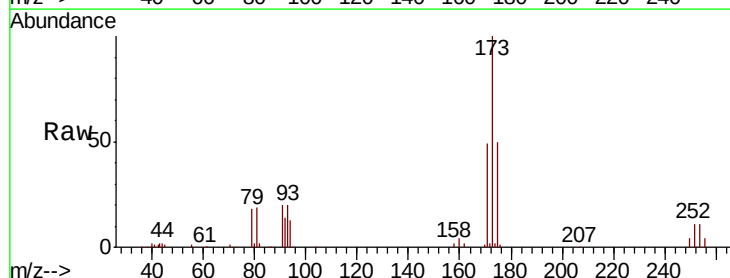
Tgt Ion: 173 Resp: 125889

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

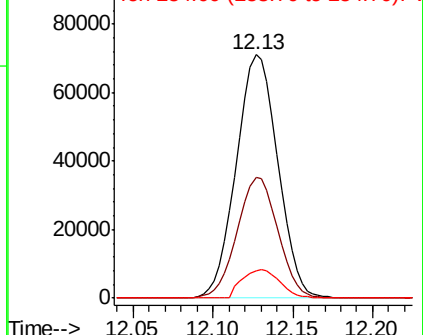
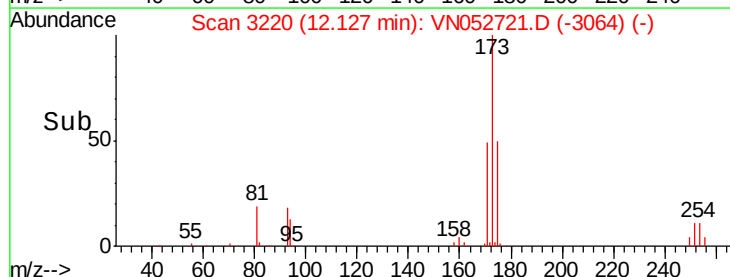
254 10.6 8.4 12.6

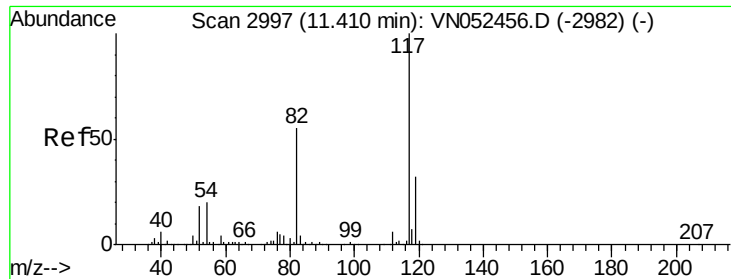


Abundance Ion 173.00 (172.70 to 173.70): VN052721.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN052721.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN052721.D (-3064) (-)

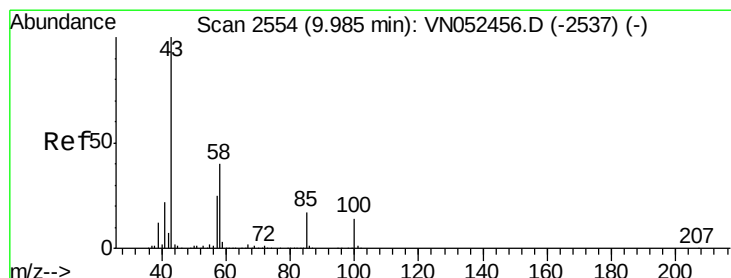
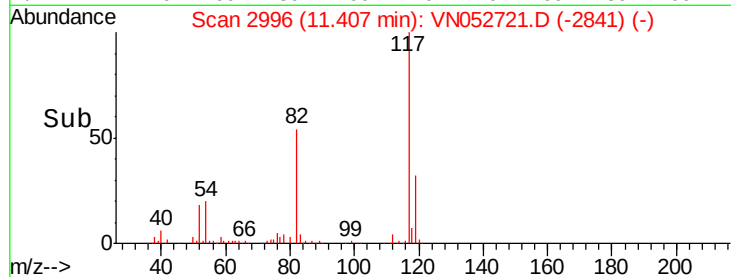
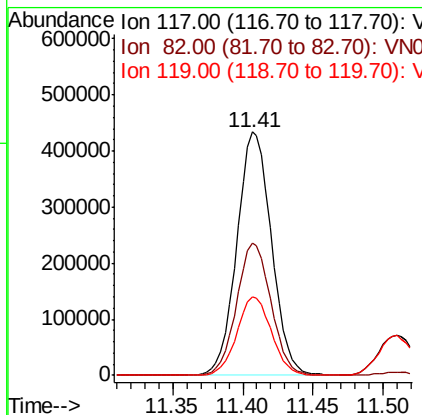
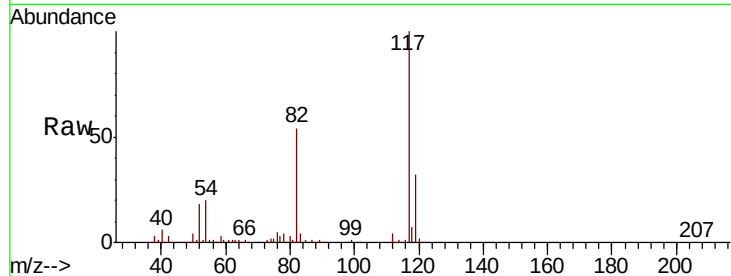




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

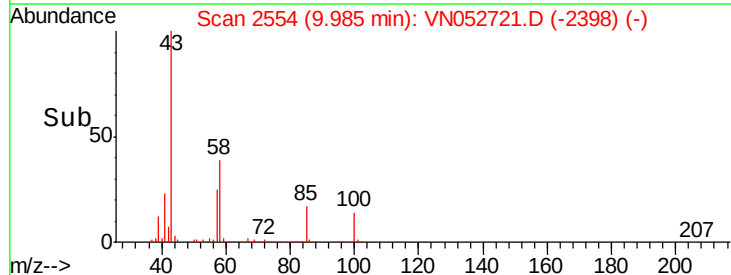
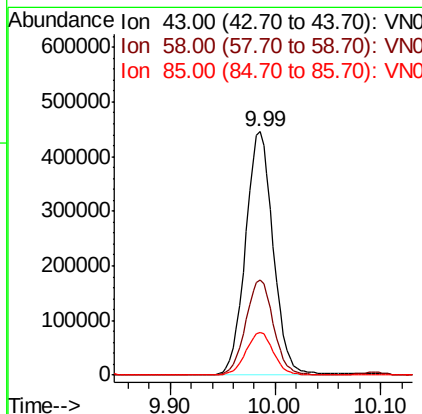
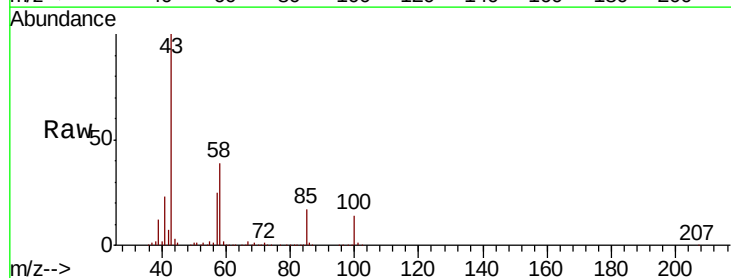
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

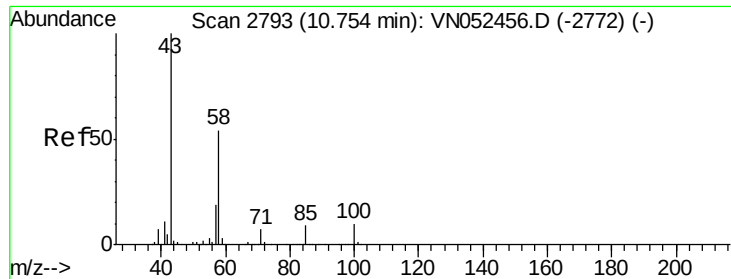
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.2	66.2
119	32.3	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 112.213 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4
85	17.4	13.3	19.9

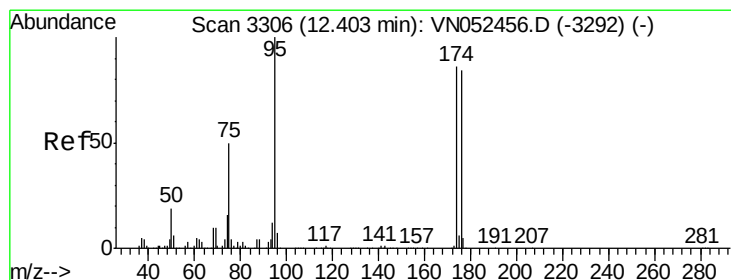
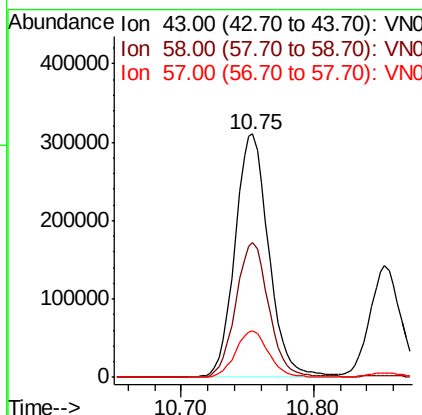
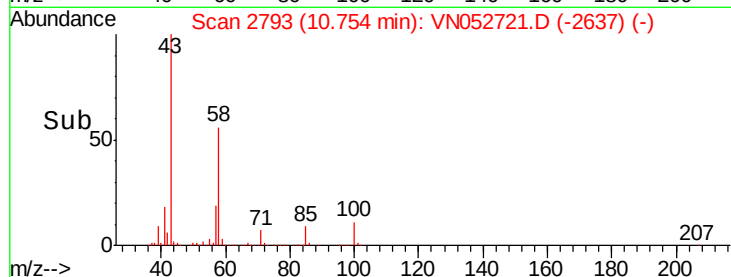
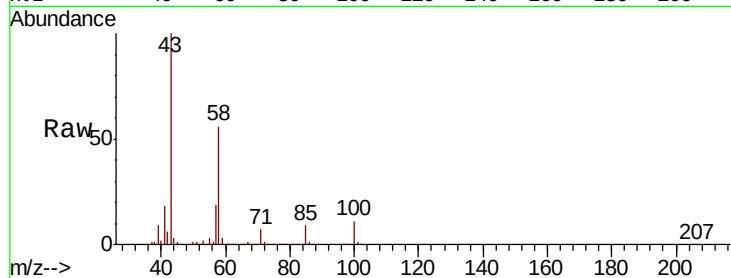




#59
2-Hexanone
Concen: 110.298 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

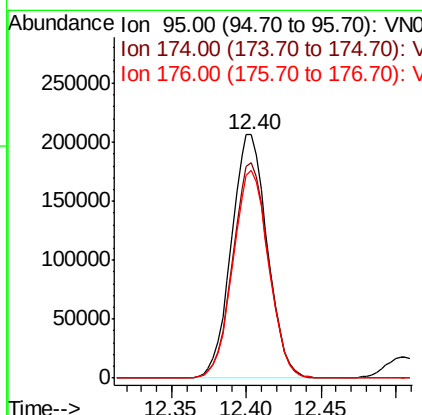
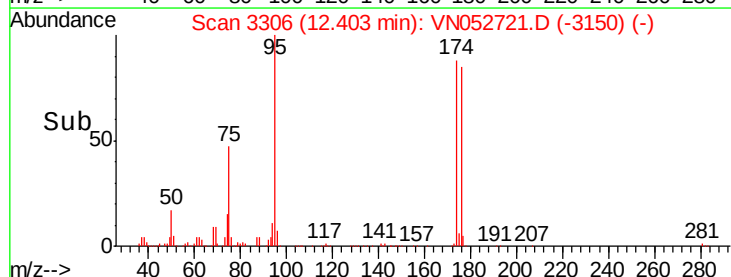
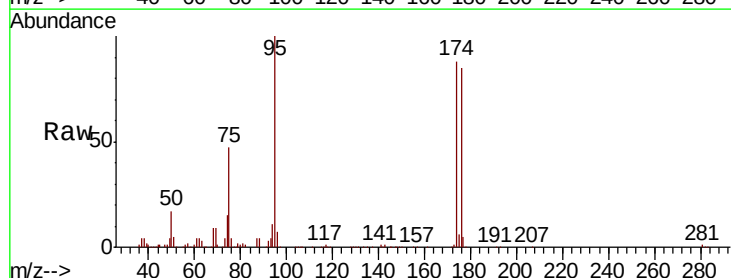
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

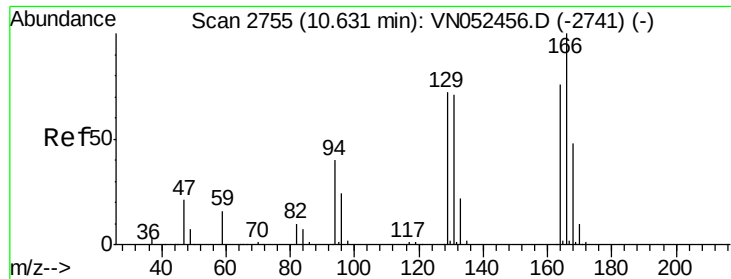
Tot Ion: 43 Resp: 545579
Ion Ratio Lower Upper
43 100
58 54.9 43.2 64.8
57 19.1 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 110.298 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 95 Resp: 344576
Ion Ratio Lower Upper
95 100
174 88.1 67.9 101.9
176 85.0 66.4 99.6





#61

Tetrachloroethene

Concen: 22.244 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion:164 Resp: 204619

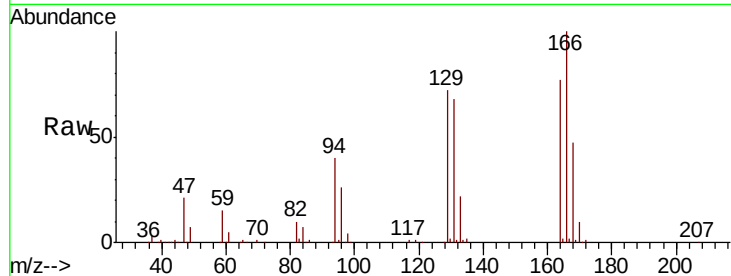
Ion Ratio Lower Upper

164 100

166 129.4 104.6 157.0

129 92.7 75.3 112.9

131 88.5 74.3 111.5

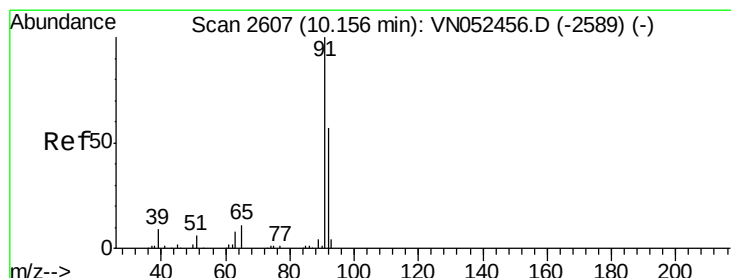
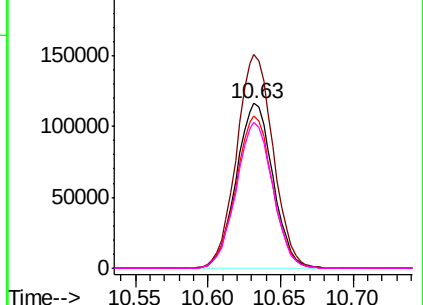
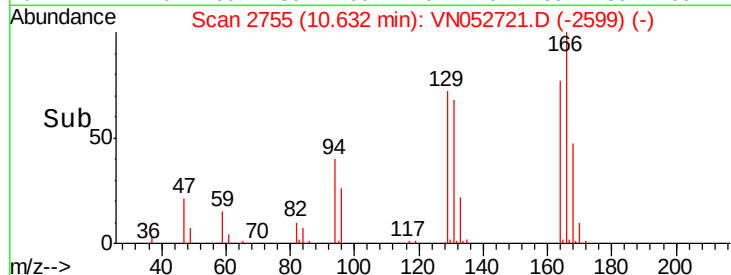


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.633 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052721.D

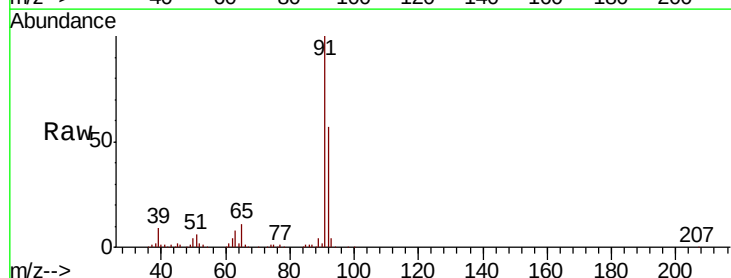
Acq: 7 Dec 2018 12:45

Tgt Ion: 91 Resp: 849540

Ion Ratio Lower Upper

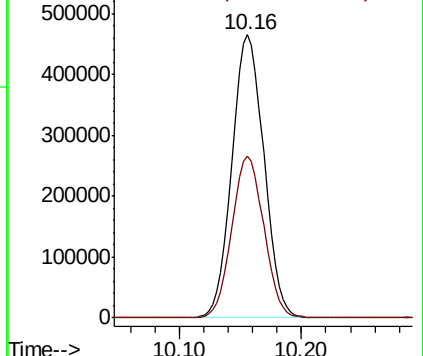
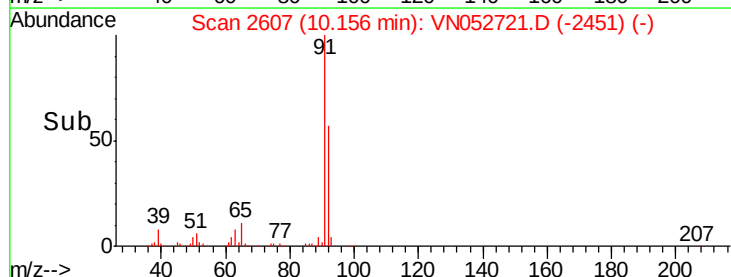
91 100

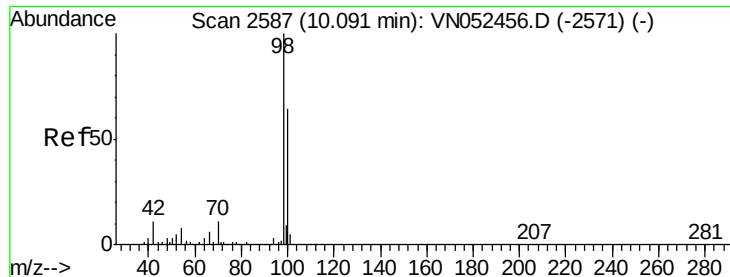
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.633 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

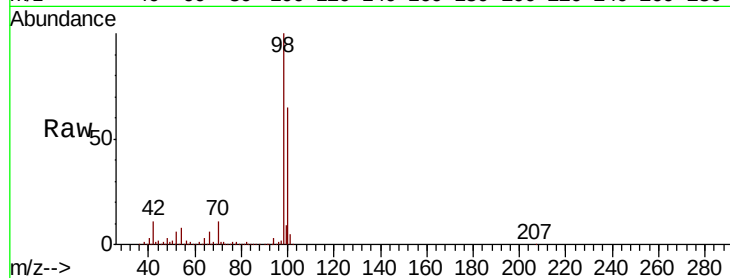
VN1207WBS01

Tot Ion: 98 Resp: 1032942

Ion Ratio Lower Upper

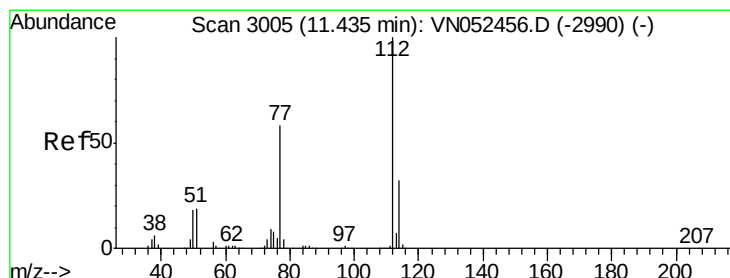
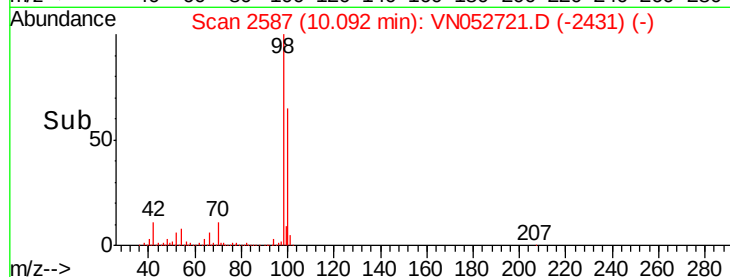
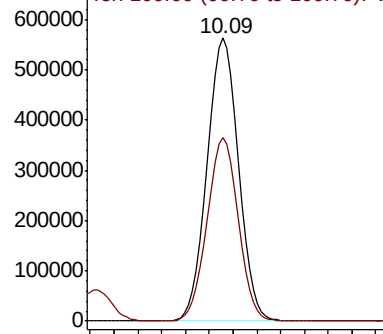
98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.954 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052721.D

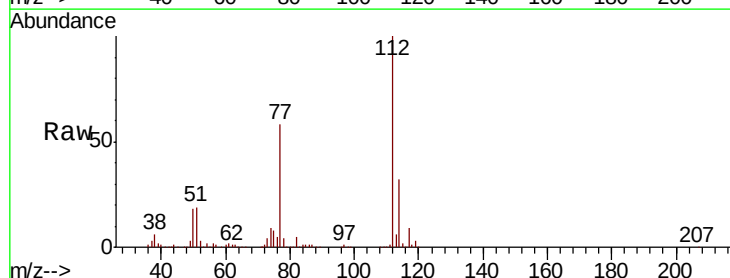
Acq: 7 Dec 2018 12:45

Tgt Ion: 112 Resp: 526612

Ion Ratio Lower Upper

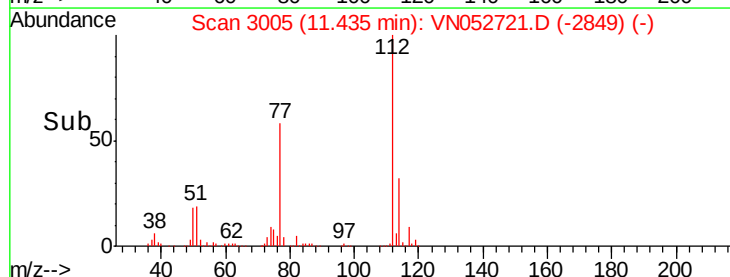
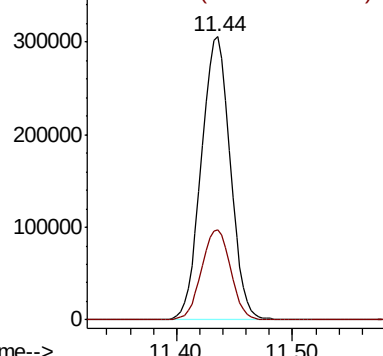
112 100

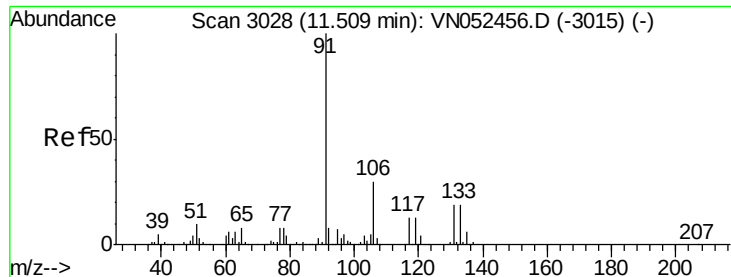
114 31.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 21.031 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

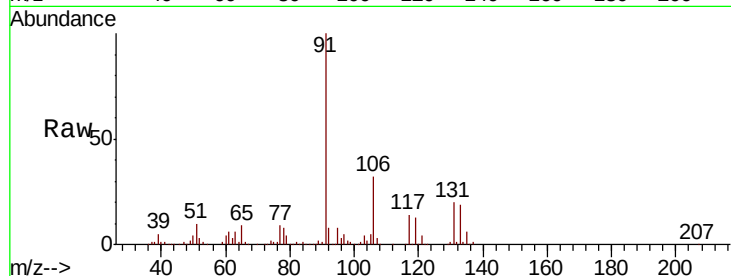
Tot Ion:131 Resp: 183465

Ion Ratio Lower Upper

131 100

133 95.2 0.0 193.4

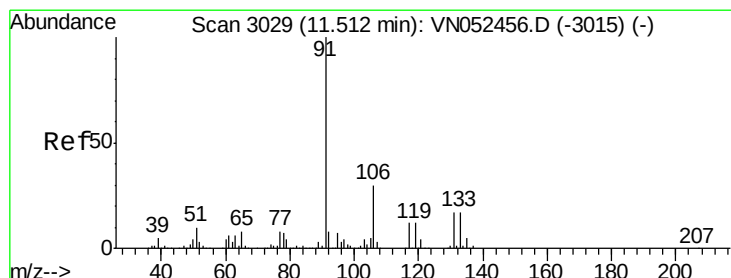
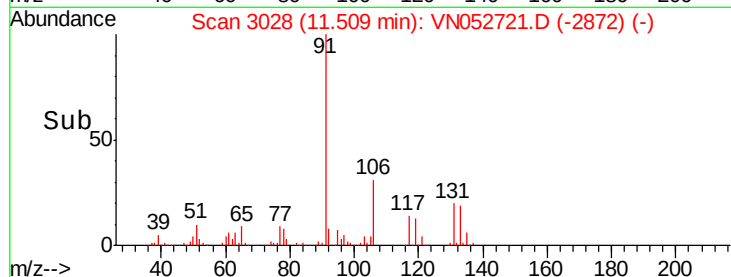
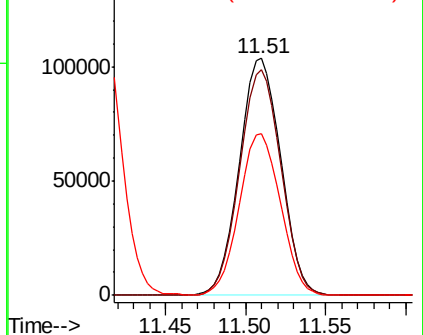
119 67.9 0.0 133.0



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: 20.353 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052721.D

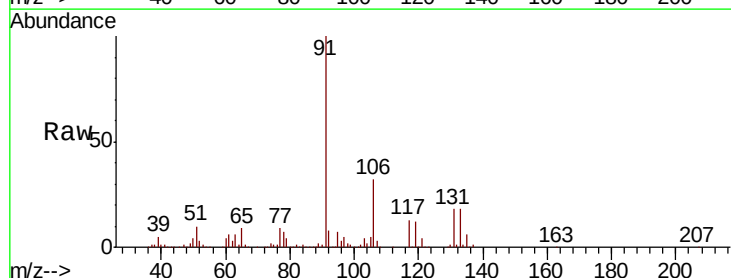
Acq: 7 Dec 2018 12:45

Tgt Ion: 91 Resp: 903206

Ion Ratio Lower Upper

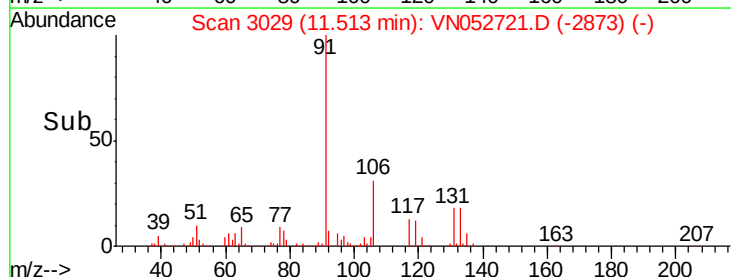
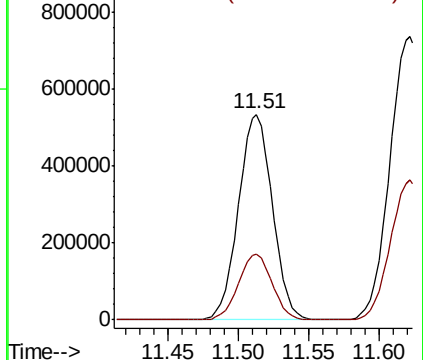
91 100

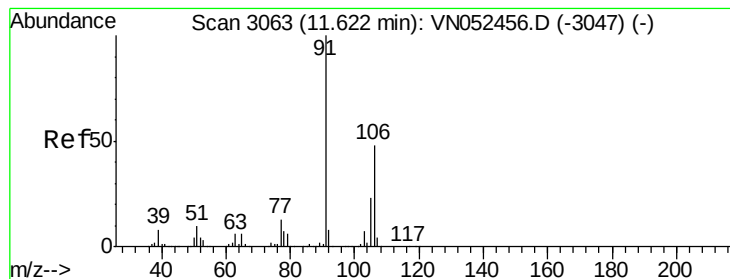
106 31.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.444 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

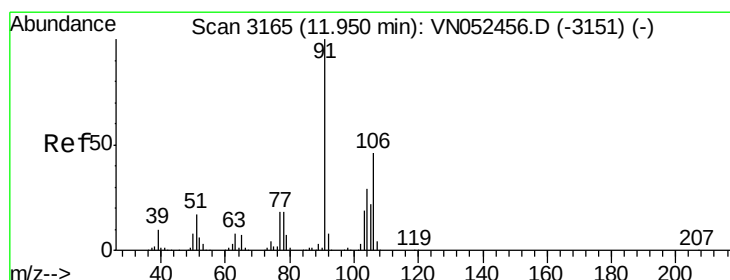
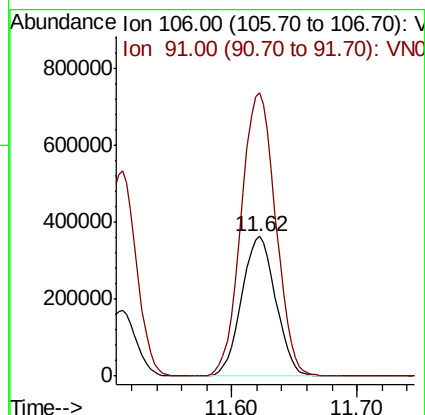
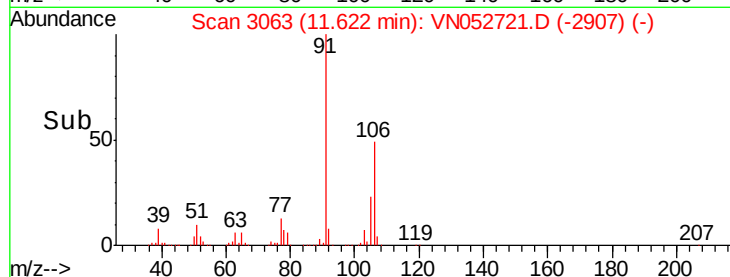
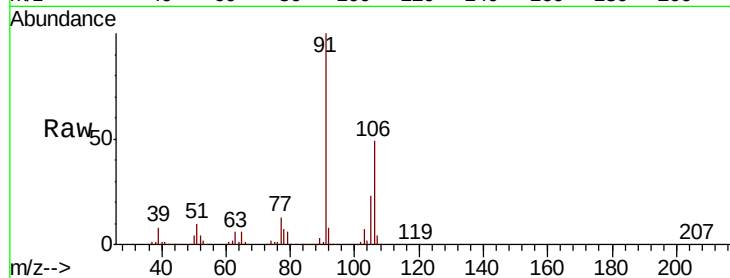
VN1207WBS01

Tot Ion:106 Resp: 685186

Ion Ratio Lower Upper

106 100

91 205.3 163.9 245.9



#68

o-Xylene

Concen: 21.043 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052721.D

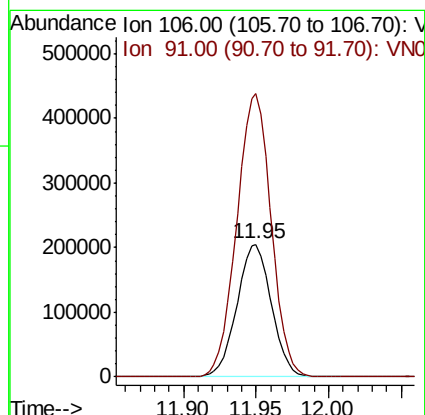
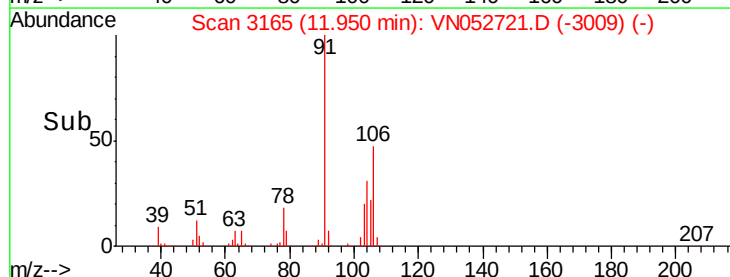
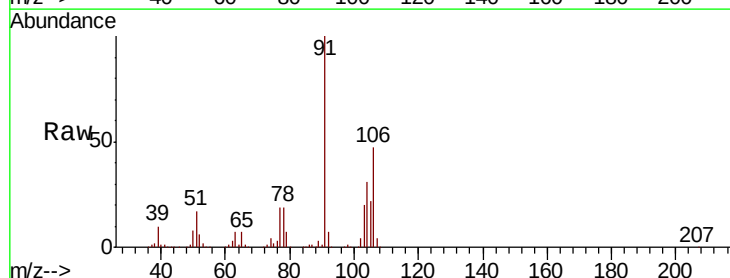
Acq: 7 Dec 2018 12:45

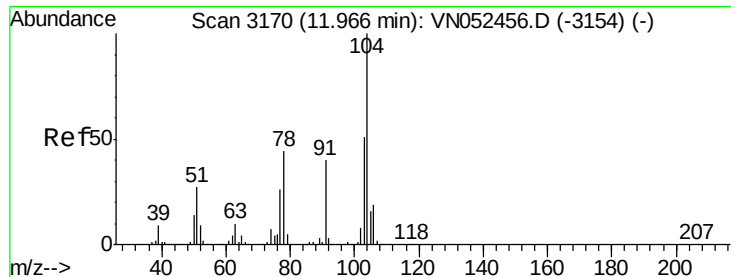
Tgt Ion:106 Resp: 337663

Ion Ratio Lower Upper

106 100

91 213.5 107.8 323.4





#69

Stvrene

Concen: 20.695 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

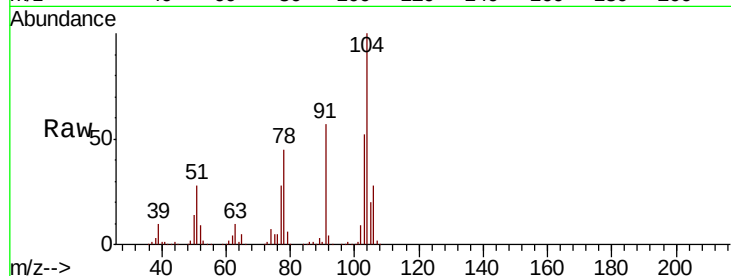
Tot Ion:104 Resp: 536017

Ion Ratio Lower Upper

104 100

78 49.6 39.3 58.9

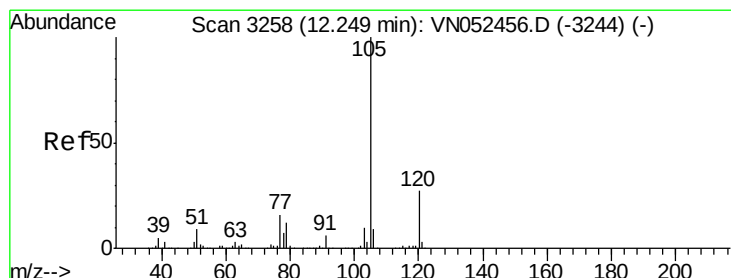
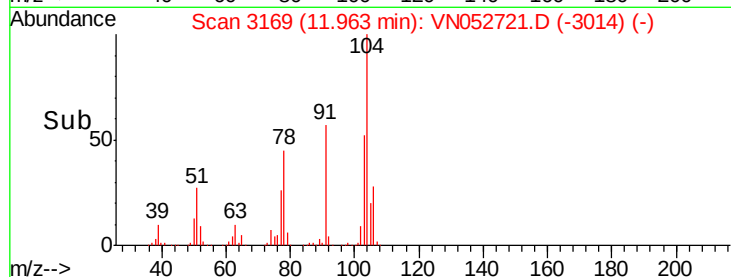
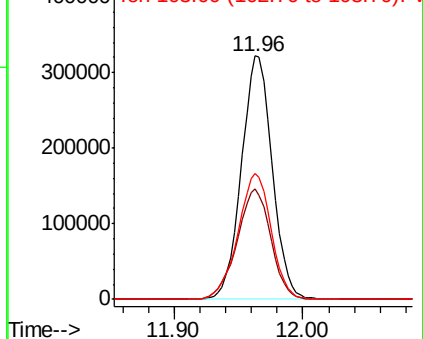
103 55.7 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.978 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052721.D

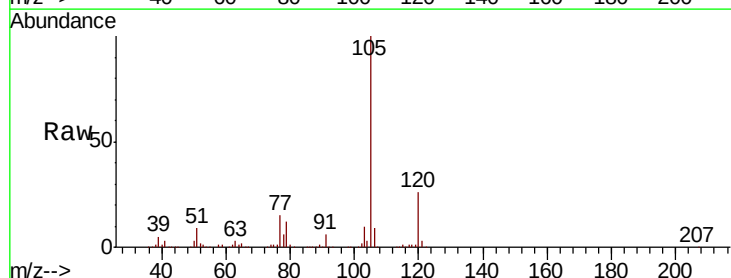
Acq: 7 Dec 2018 12:45

Tgt Ion:105 Resp: 895639

Ion Ratio Lower Upper

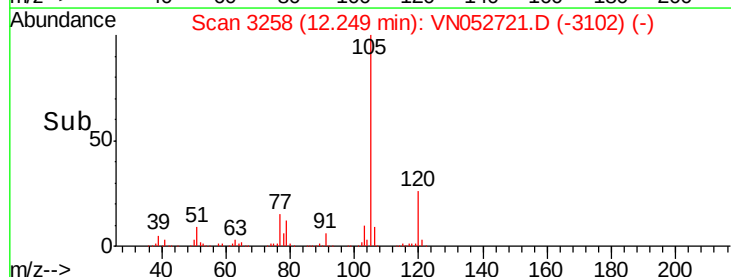
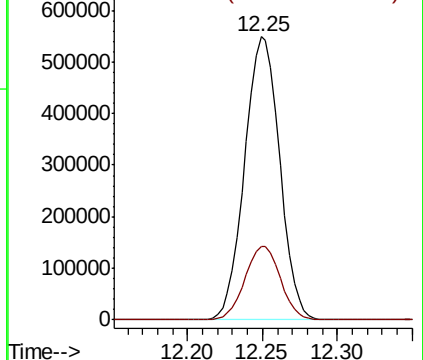
105 100

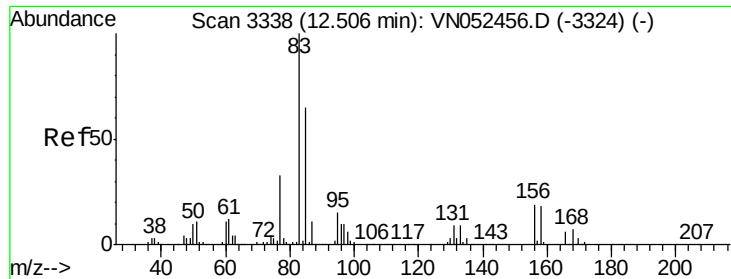
120 26.2 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

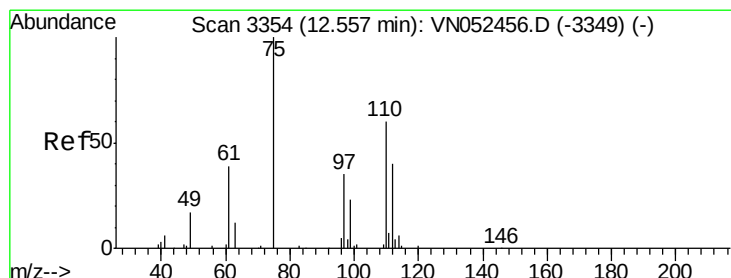
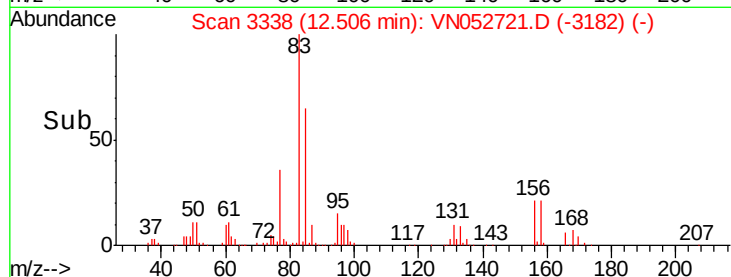
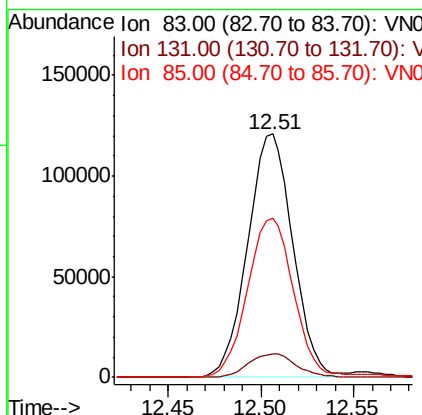
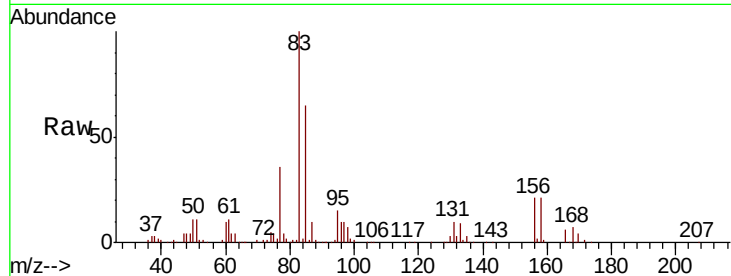




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.118 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

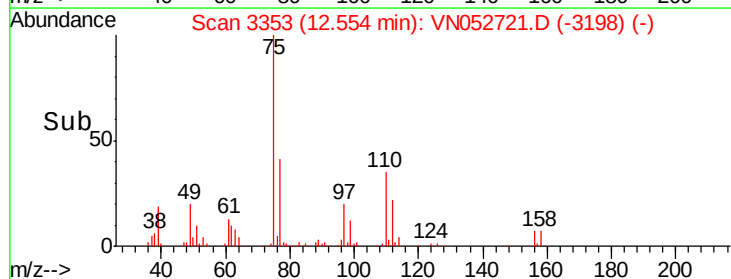
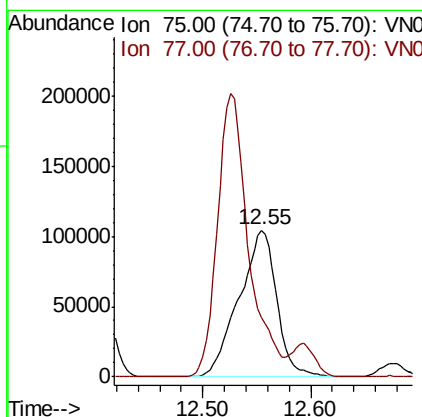
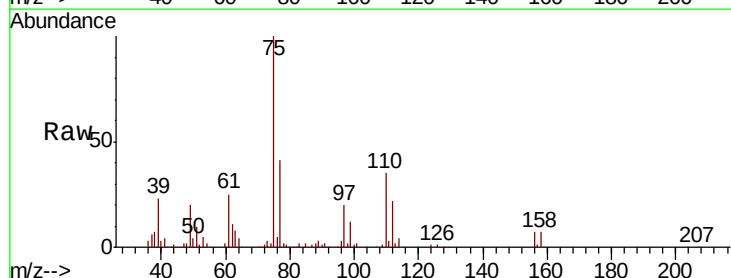
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

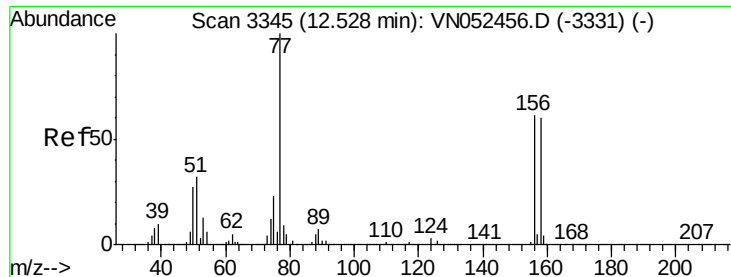
Tot Ion: 83 Resp: 205416
 Ion Ratio Lower Upper
 83 100
 131 10.4 4.9 14.6
 85 66.8 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.785 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 75 Resp: 253409
 Ion Ratio Lower Upper
 75 100
 77 159.7 0.0 514.8





#73

Bromobenzene

Concen: 21.570 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

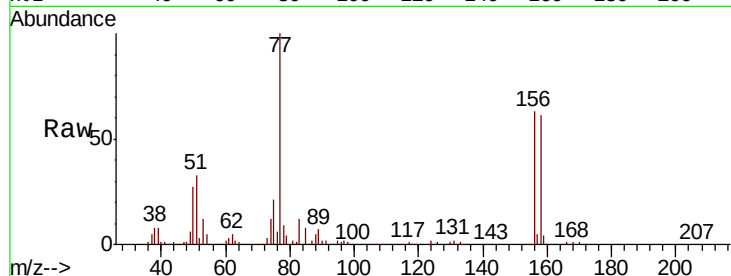
Tot Ion:156 Resp: 222732

Ion Ratio Lower Upper

156 100

77 181.7 0.0 382.6

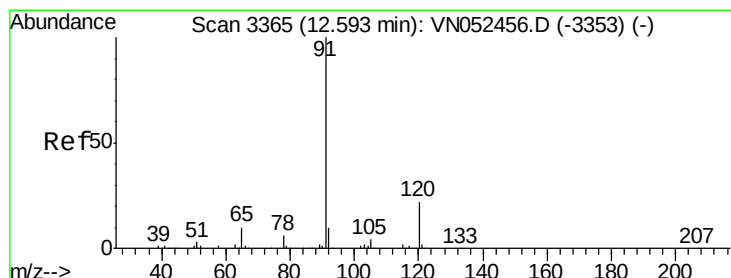
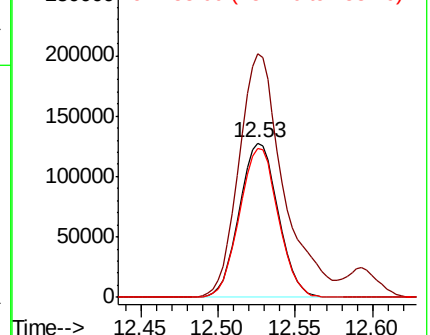
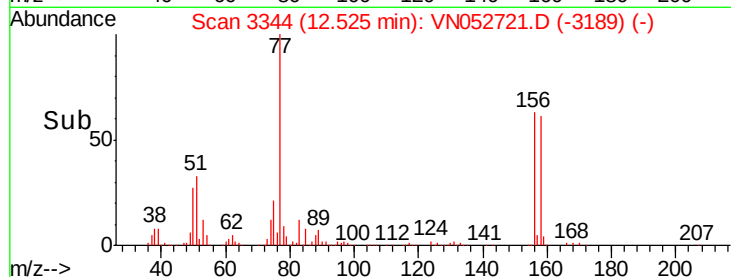
158 96.4 0.0 196.8



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: 20.408 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052721.D

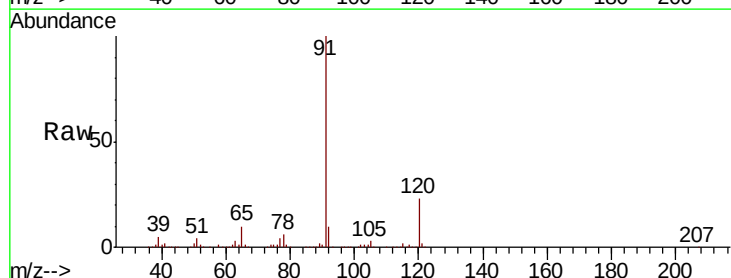
Acq: 7 Dec 2018 12:45

Tgt Ion: 91 Resp: 1015207

Ion Ratio Lower Upper

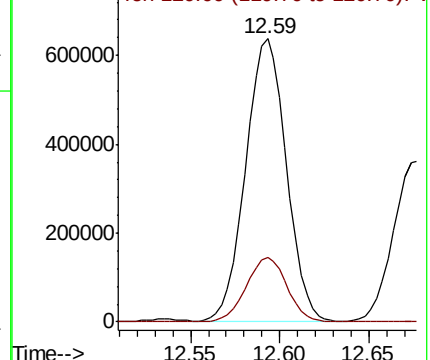
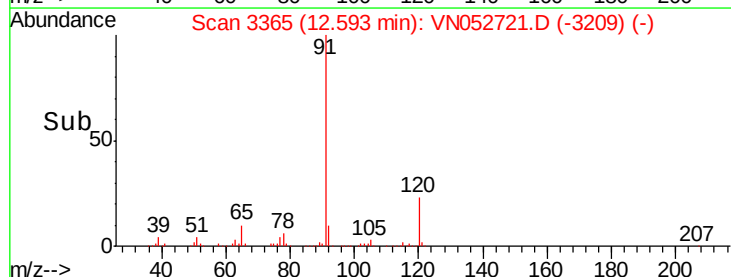
91 100

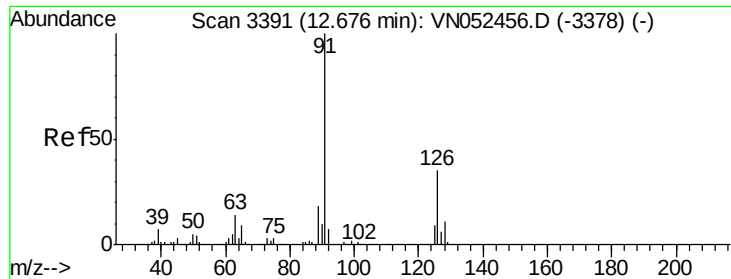
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.793 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

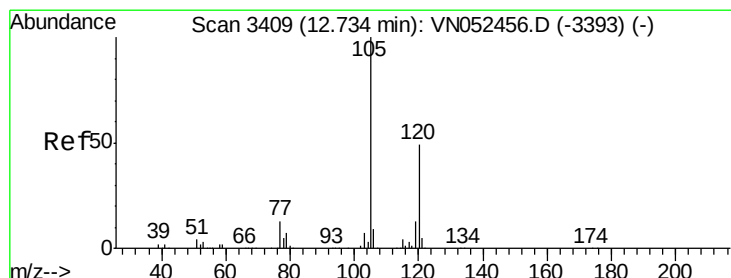
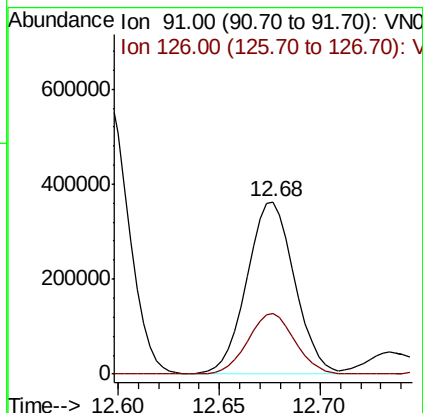
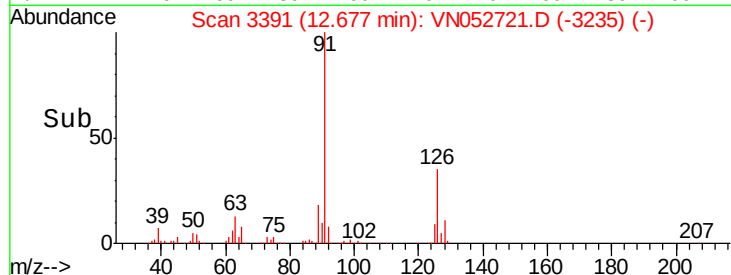
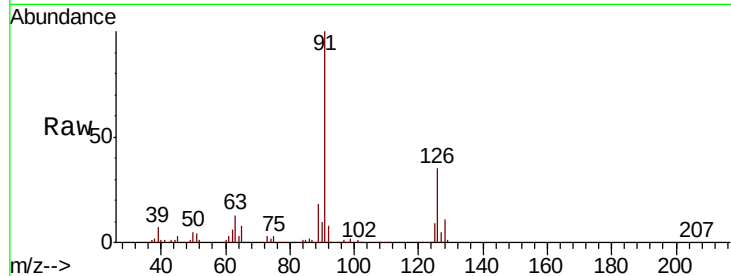
VN1207WBS01

Tot Ion: 91 Resp: 600379

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.055 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052721.D

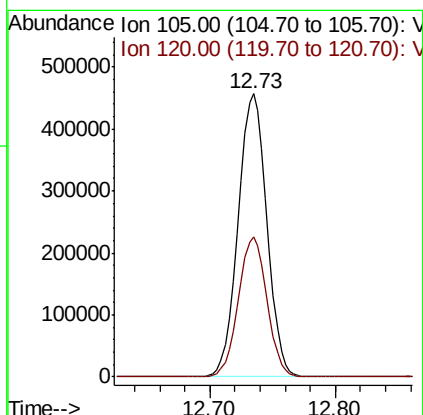
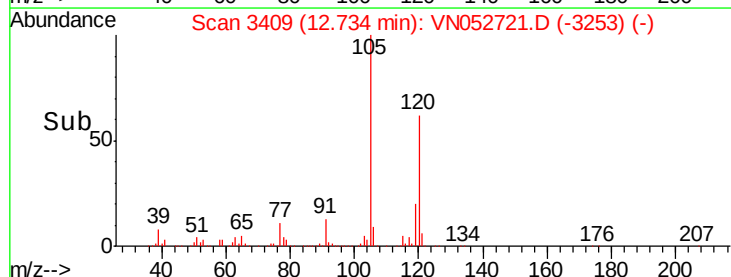
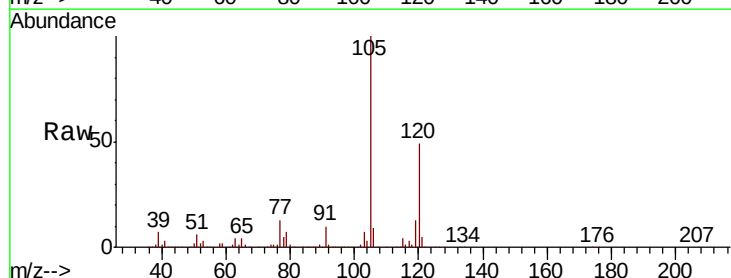
Acq: 7 Dec 2018 12:45

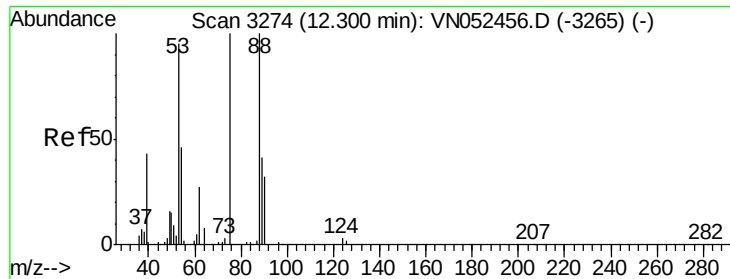
Tgt Ion: 105 Resp: 726074

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4

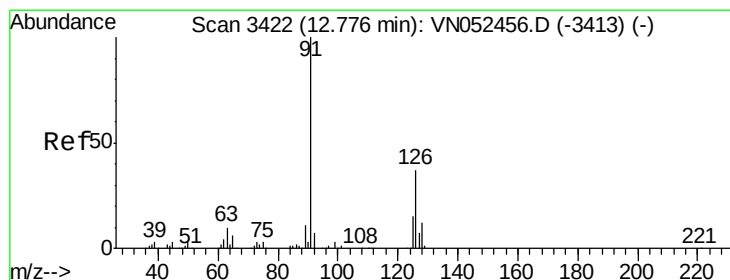
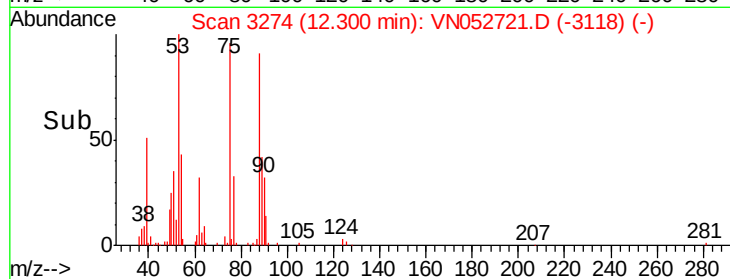
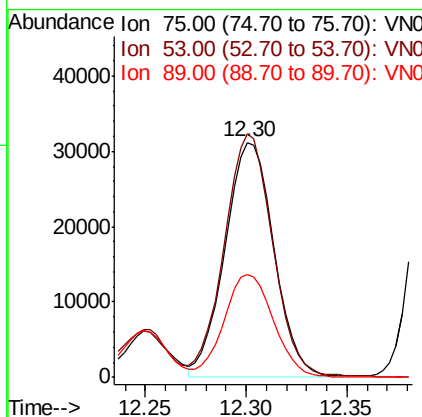
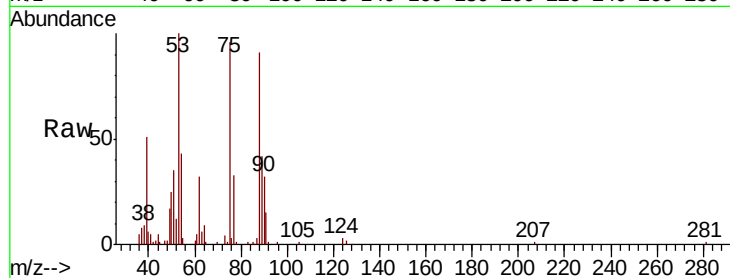




#77
t-1,4-Dichloro-2-butene
Concen: 21.049 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

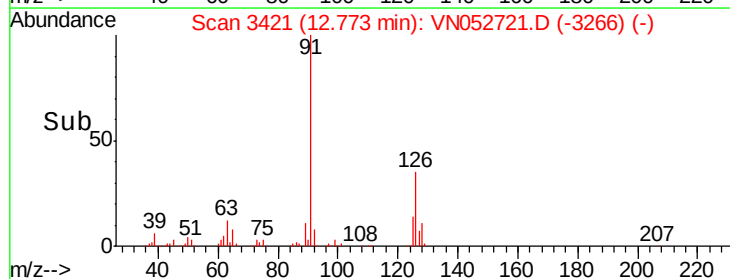
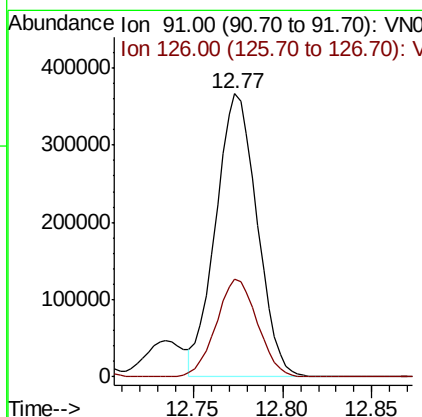
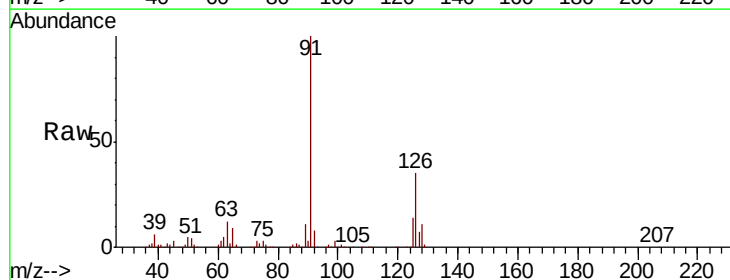
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

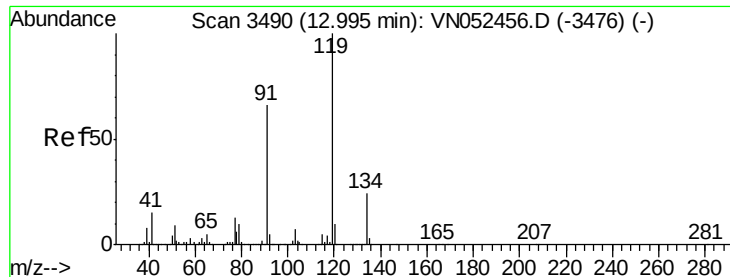
Tot Ion: 75 Resp: 53012
Ion Ratio Lower Upper
75 100
53 103.1 48.5 145.6
89 44.2 21.7 65.1



#78
4-Chlorotoluene
Concen: 20.397 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 91 Resp: 588145
Ion Ratio Lower Upper
91 100
126 34.6 0.0 68.2

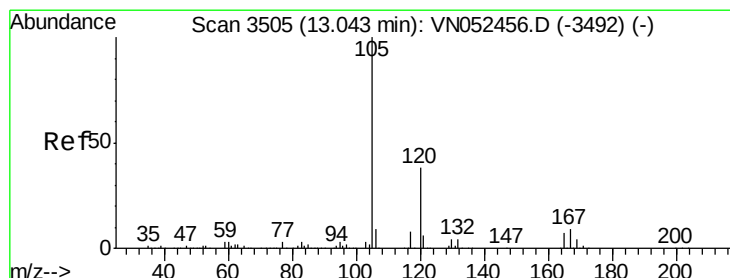
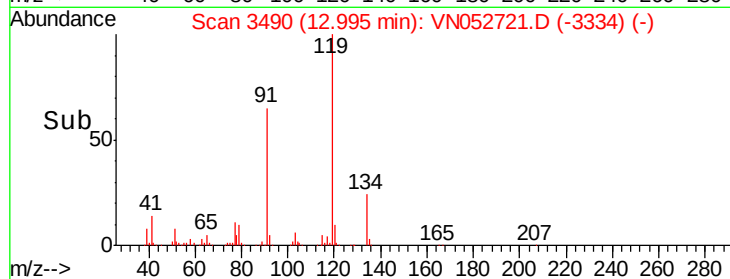
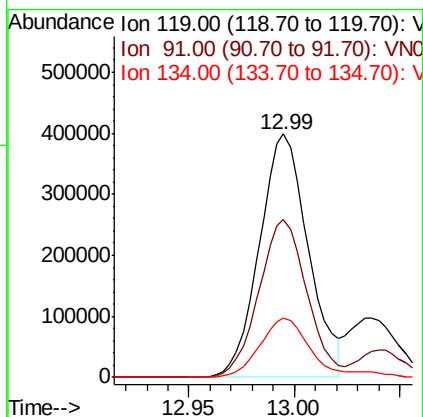
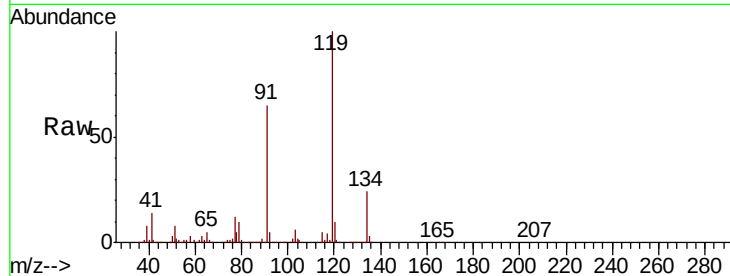




#79
tert-butylbenzene
Concen: 21.412 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

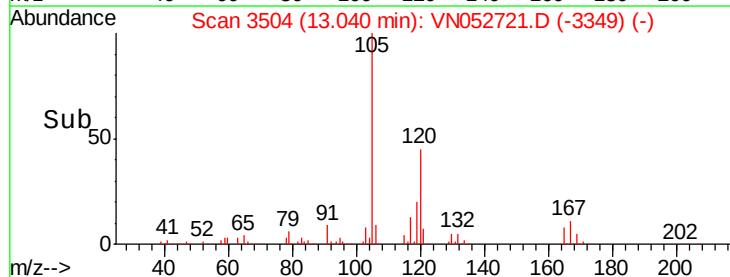
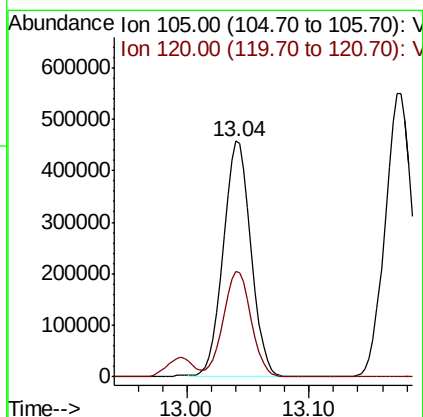
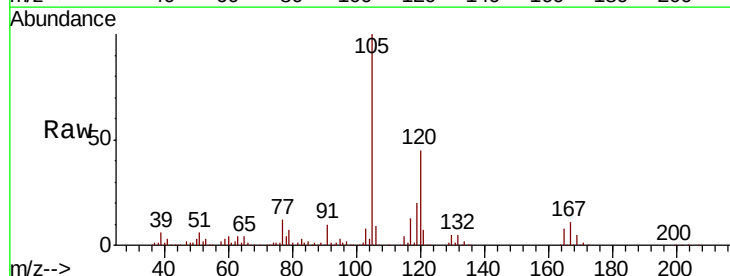
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

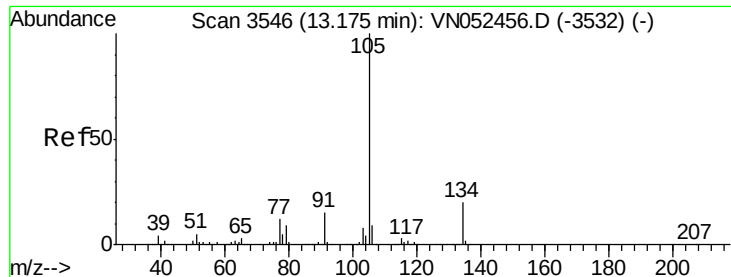
Tot Ion:119 Resp: 643056
Ion Ratio Lower Upper
119 100
91 63.9 0.0 129.8
134 24.5 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 21.142 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion:105 Resp: 729519
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.779 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

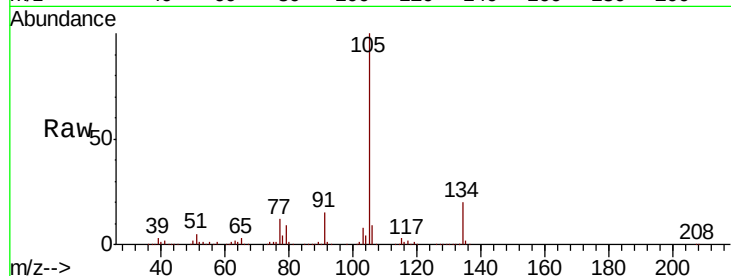
VN1207WBS01

Tot Ion:105 Resp: 869210

Ion Ratio Lower Upper

105 100

134 19.8 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

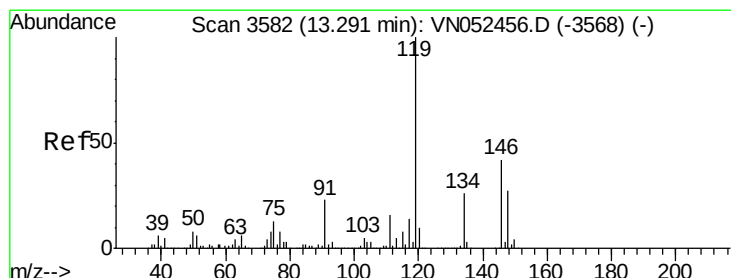
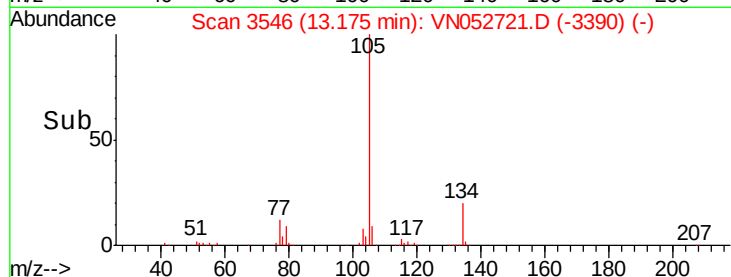
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.624 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

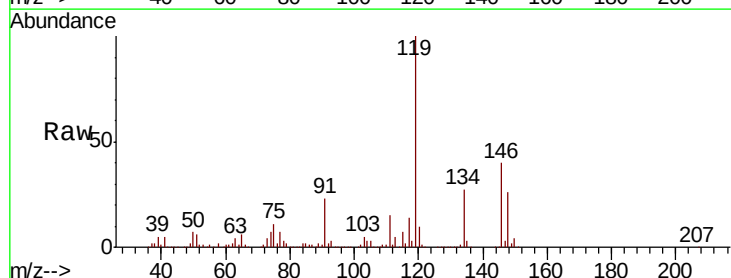
Tgt Ion:119 Resp: 734643

Ion Ratio Lower Upper

119 100

134 26.8 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

13.29

600000

500000

400000

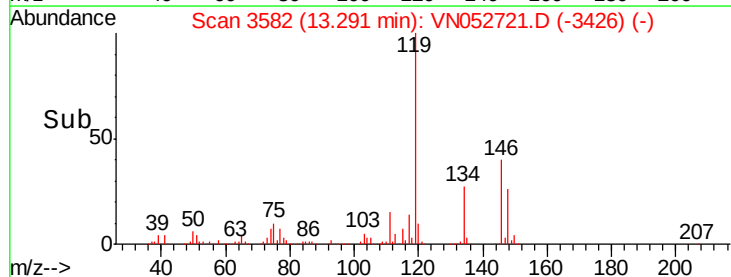
300000

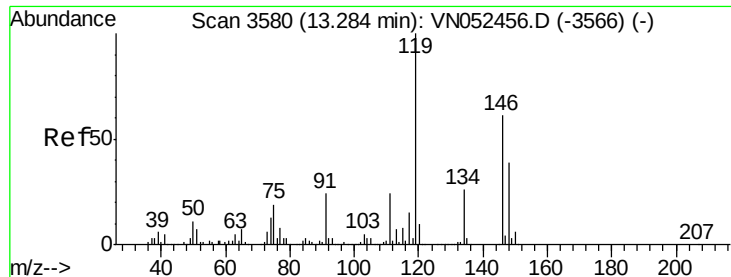
200000

100000

0

Time-->

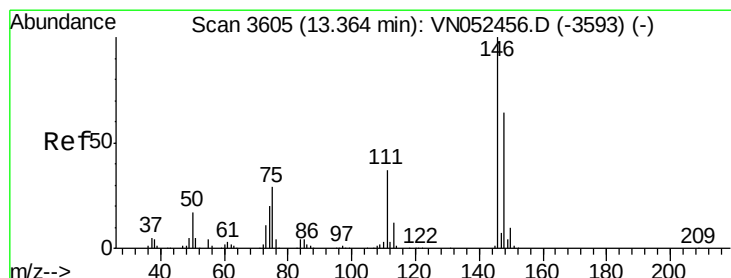
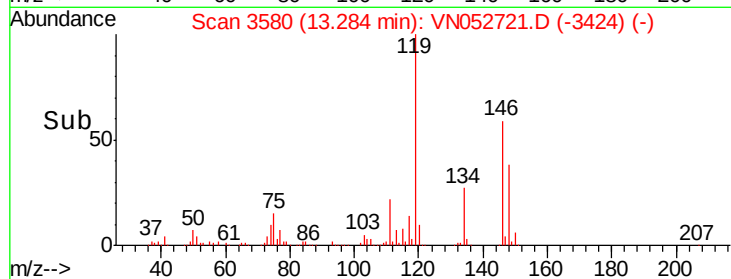
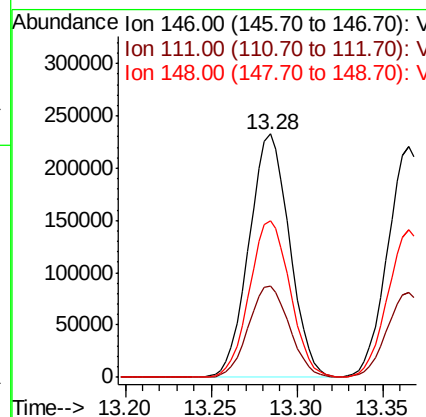
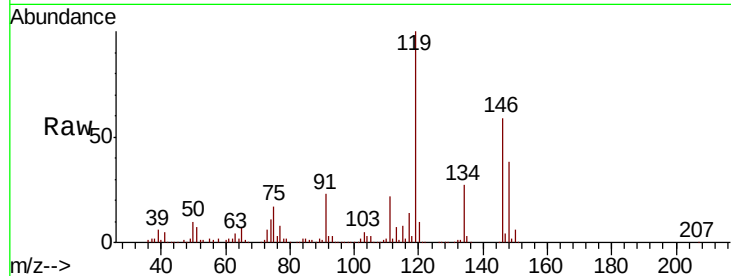




#83
 1,3-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

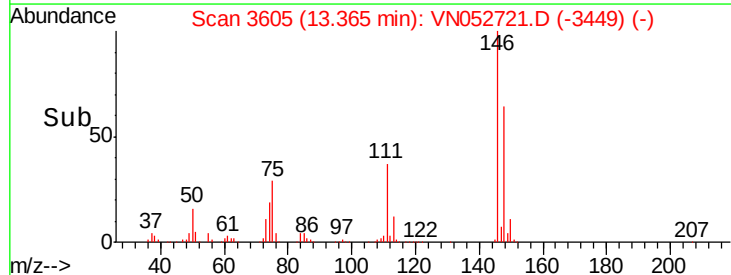
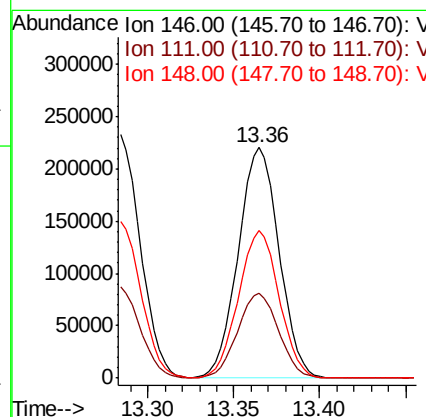
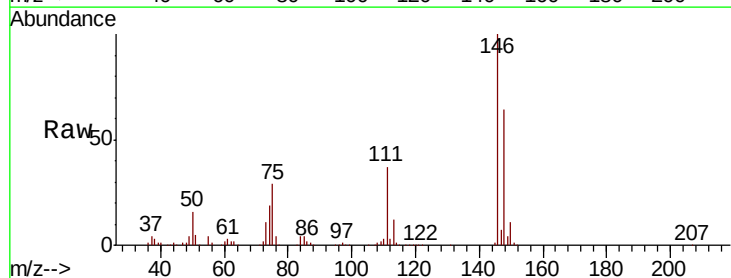
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

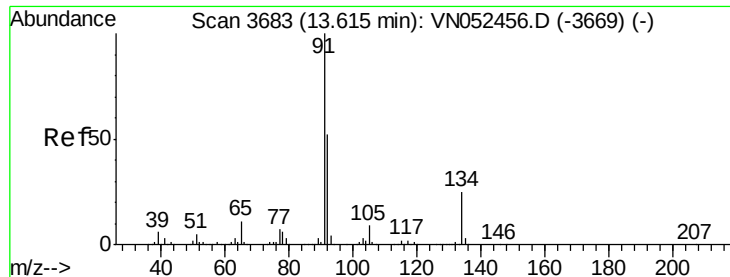
Tot Ion:146 Resp: 380838
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.7 59.0
 148 64.5 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.647 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion:146 Resp: 362289
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.3
 148 64.0 32.5 97.4





#85

n-Butylbenzene

Concen: 19.185 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

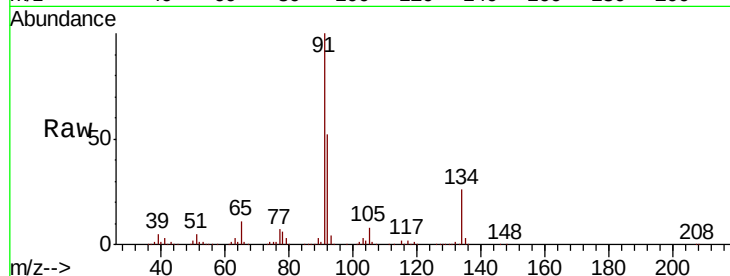
Tot Ion: 91 Resp: 586987

Ion Ratio Lower Upper

91 100

92 52.1 0.0 104.2

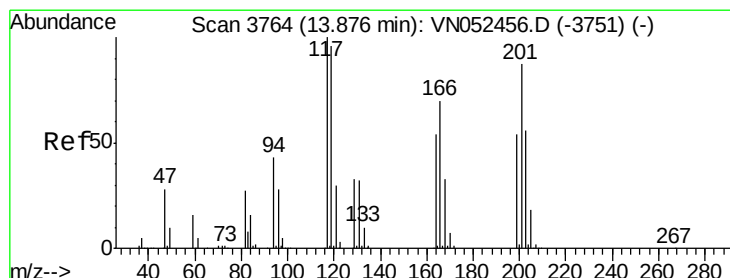
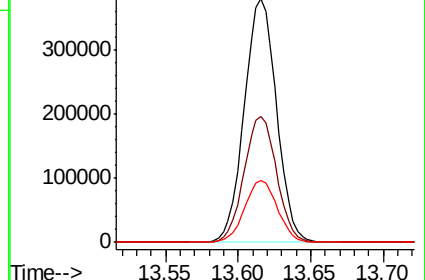
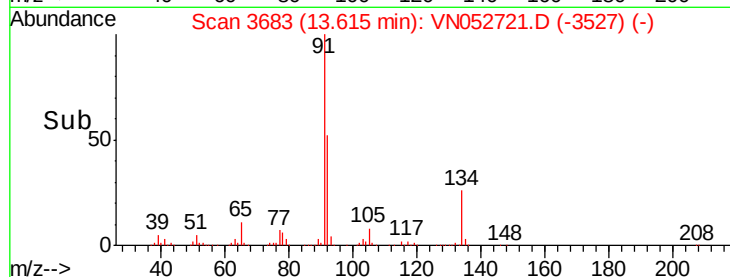
134 25.8 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052721.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052721.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052721.D (-3669) (-)



#86

Hexachloroethane

Concen: 20.064 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052721.D

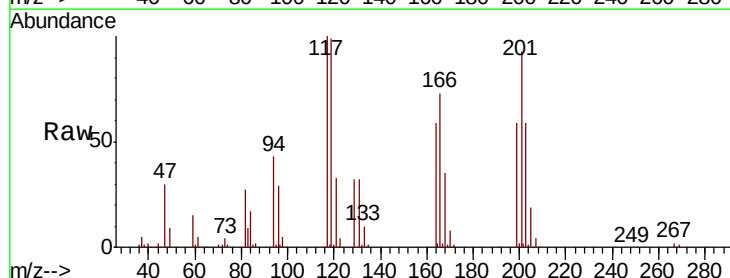
Acq: 7 Dec 2018 12:45

Tgt Ion: 117 Resp: 121090

Ion Ratio Lower Upper

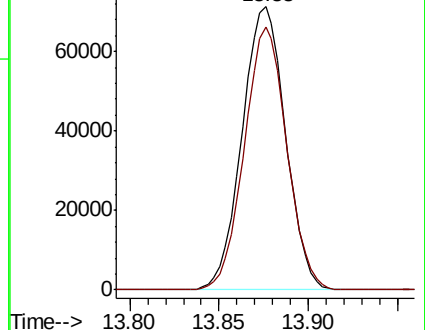
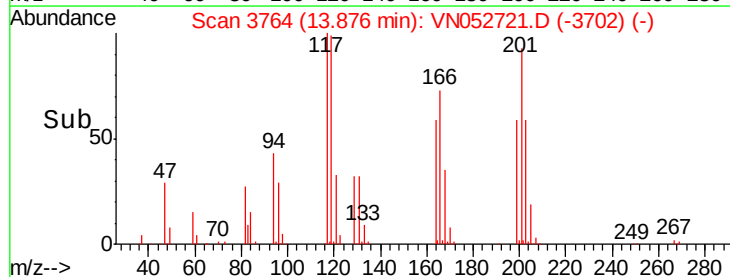
117 100

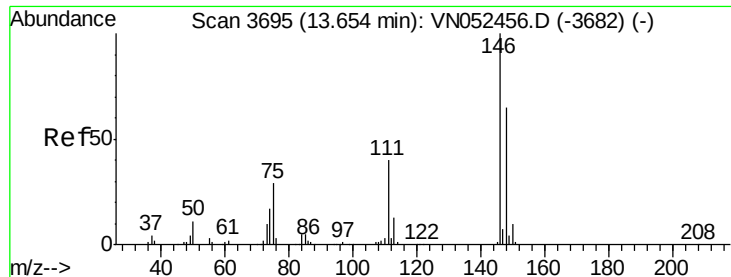
201 90.6 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052721.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052721.D (-3751) (-)

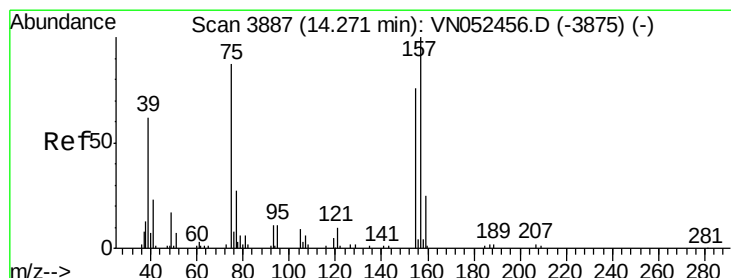
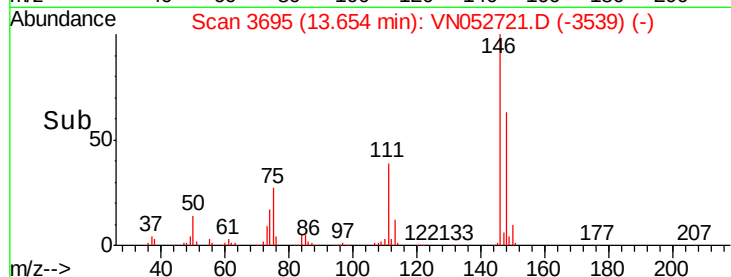
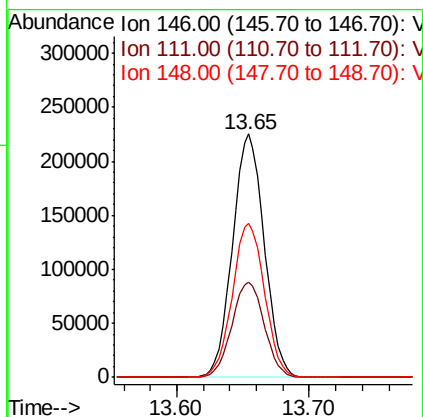
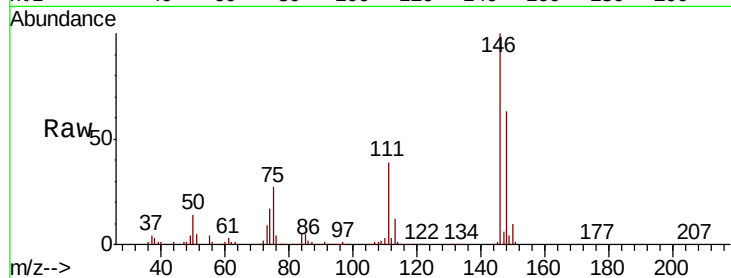




#87
 1,2-Dichlorobenzene
 Concen: 21.605 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

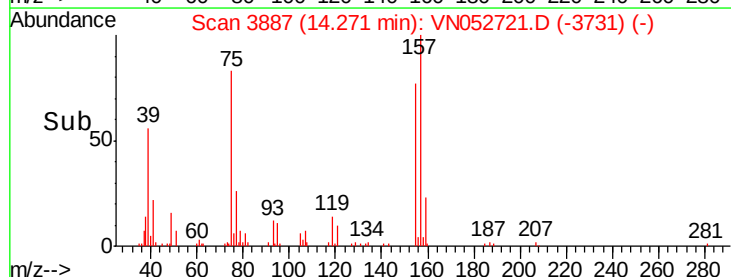
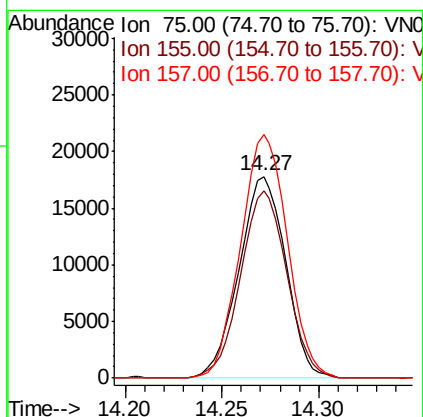
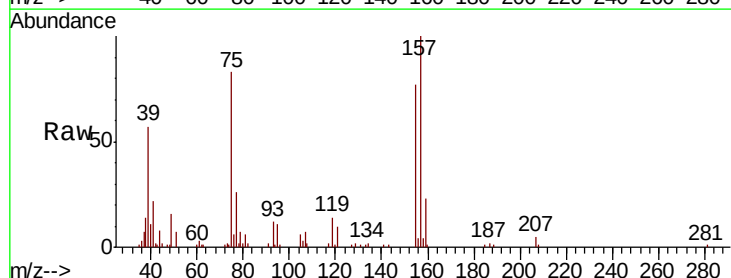
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

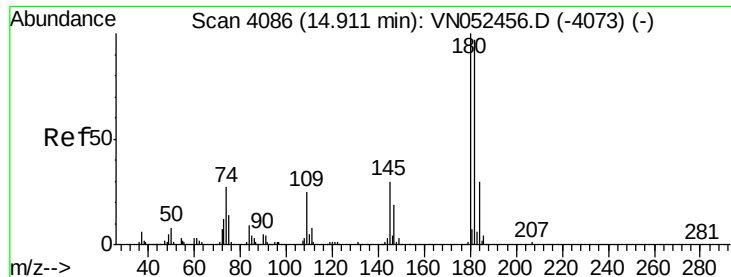
Tot Ion:146 Resp: 373375
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.3 60.8
 148 64.0 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.955 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 75 Resp: 29863
 Ion Ratio Lower Upper
 75 100
 155 91.9 72.2 108.2
 157 121.2 94.2 141.2

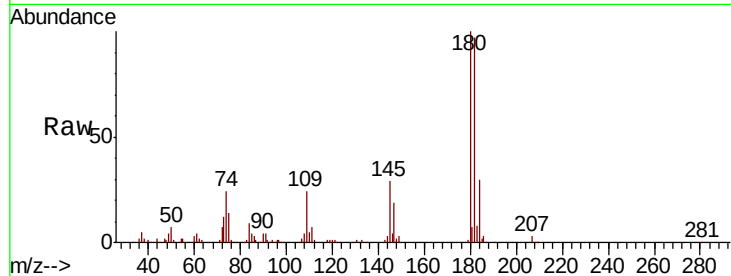




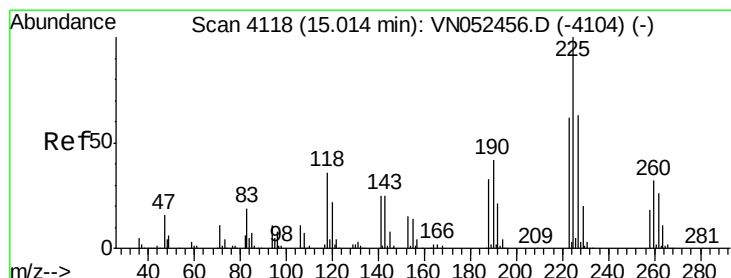
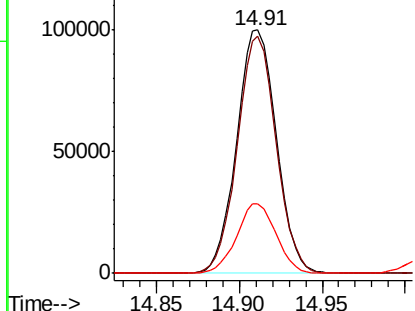
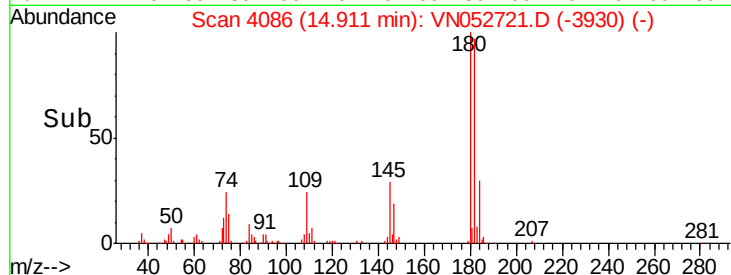
#89
 1,2,4-Trichlorobenzene
 Concen: 19.561 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN1207WBS01

Tot Ion:180 Resp: 166558
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 114.8
 145 28.4 23.6 35.4

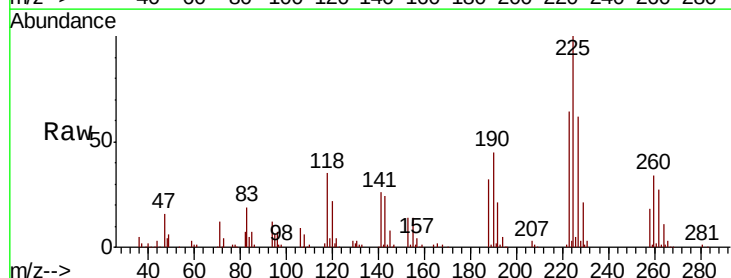


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

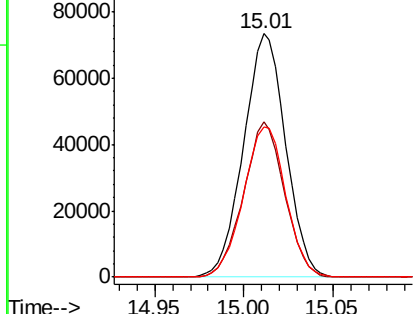
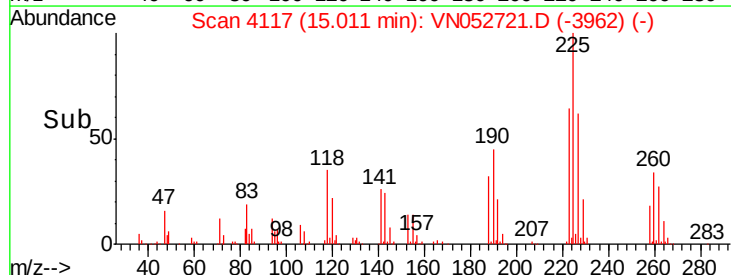


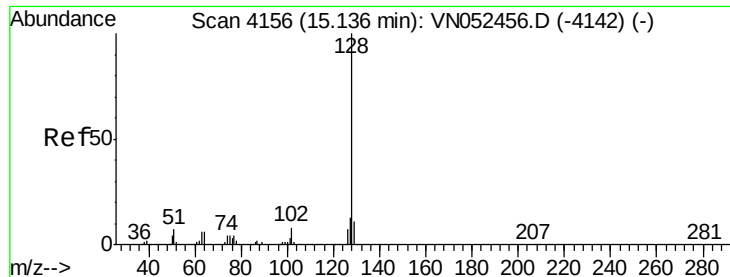
#90
 Hexachlorobutadiene
 Concen: 21.641 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion:225 Resp: 120874
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 125.6
 227 62.2 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

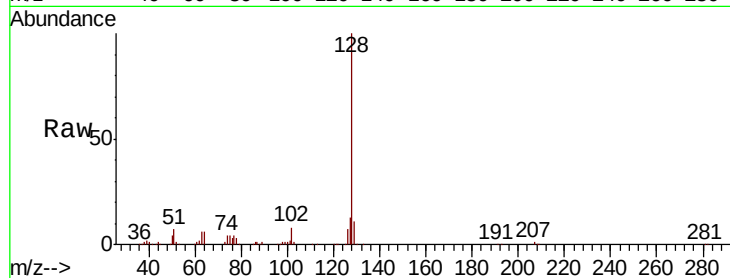
Tot Ion:128 Resp: 338579

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

129 10.7 8.5 12.7

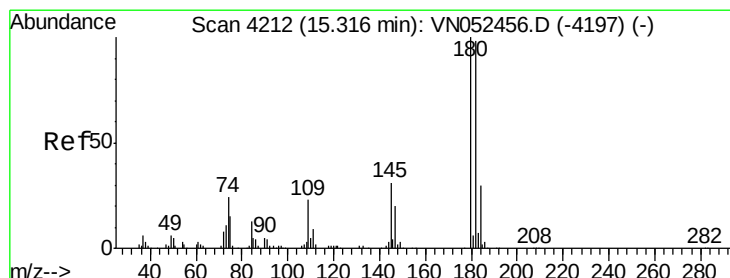
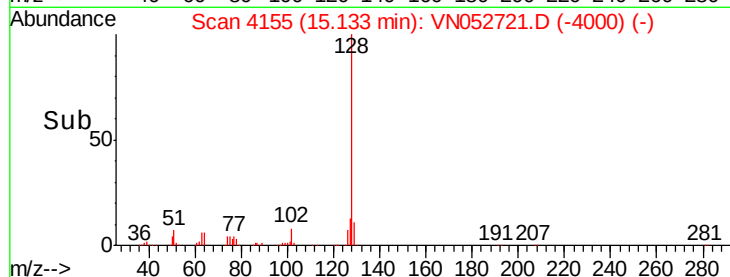
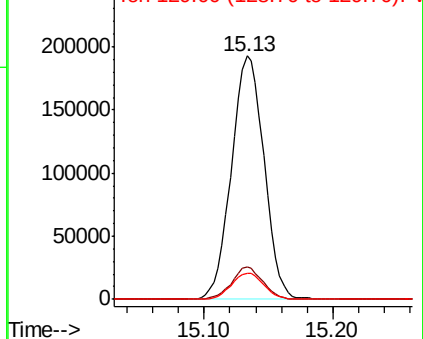


Abundance

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: 20.900 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

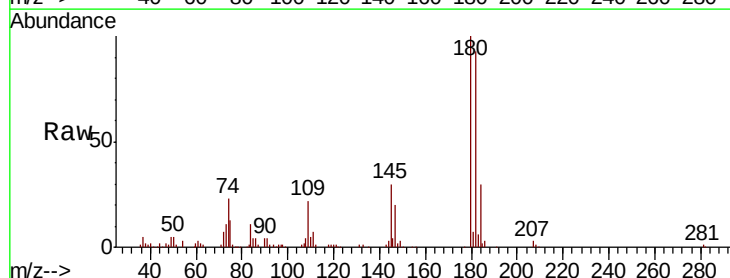
Tgt Ion:180 Resp: 163997

Ion Ratio Lower Upper

180 100

182 94.6 0.0 196.2

145 30.3 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

