

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053722.D
 Acq On : 12 Feb 2019 11:32
 Operator : JC/SP
 Sample : VN0212WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Quant Time: Feb 13 04:11:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	645255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1024680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	425122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	335913	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	326601	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.09	98	1192602	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	399050	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	141254	19.624	ug/l	99
3) Chloromethane	2.06	50	147941	19.312	ug/l	99
4) Vinyl Chloride	2.19	62	147384	19.819	ug/l	98
5) Bromomethane	2.57	94	109516	22.524	ug/l	94
6) Chloroethane	2.71	64	97583	22.963	ug/l	95
7) Trichlorofluoromethane	3.02	101	210554	20.880	ug/l	97
8) Diethyl Ether	3.41	74	74427	20.209	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131416	21.072	ug/l	98
10) Methyl Iodide	3.96	142	169067	17.271	ug/l	100
11) Tert butyl alcohol	4.78	59	44824	117.004	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	120089	20.098	ug/l	99
13) Acrolein	3.61	56	18290	87.688	ug/l	99
14) Allyl chloride	4.33	41	190048	19.976	ug/l	99
15) Acrylonitrile	4.99	53	227970	110.229	ug/l	99
16) Acetone	3.82	43	193514	116.548	ug/l	97
17) Carbon Disulfide	4.06	76	330642	17.771	ug/l	100
18) Methyl Acetate	4.33	43	115606	23.510	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	331141	21.861	ug/l	100
20) Methylene Chloride	4.55	84	138569	19.892	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	128805	19.981	ug/l	96
22) Diisopropyl ether	5.95	45	369850	20.980	ug/l	95
23) Vinyl Acetate	5.90	43	1264451	103.686	ug/l	99
24) 1,1-Dichloroethane	5.85	63	239775	20.393	ug/l	99
25) 2-Butanone	6.83	43	263202	111.146	ug/l	100
26) 2,2-Dichloropropane	6.82	77	181433	20.214	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149282	20.826	ug/l	99
28) Bromochloromethane	7.19	49	100637	19.723	ug/l	94
29) Tetrahydrofuran	7.21	42	170187	111.920	ug/l	98
30) Chloroform	7.37	83	242090	20.770	ug/l	97
31) Cyclohexane	7.65	56	213248	19.376	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	200032	20.622	ug/l	100
36) 1,1-Dichloropropene	7.79	75	181031	19.599	ug/l	98
37) Ethyl Acetate	6.93	43	111868	21.685	ug/l	98
38) Carbon Tetrachloride	7.77	117	178858	19.221	ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	206750	18.867	ug/l	99
40) Benzene	8.04	78	550297	19.319	ug/l	99
41) Methacrylonitrile	7.18	41	58200	20.186	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	165330	19.548	ug/l	98
43) Isopropyl Acetate	8.16	43	191268	19.198	ug/l #	87
44) Trichloroethene	8.83	130	153875	18.975	ug/l	98
45) 1,2-Dichloropropane	9.12	63	145655	19.993	ug/l	100
46) Dibromomethane	9.21	93	87176	19.850	ug/l	98
47) Bromodichloromethane	9.40	83	181174	19.841	ug/l	100
48) Methyl methacrylate	9.20	41	89381	18.795	ug/l	93
49) 1,4-Dioxane	9.20	88	28545	437.141	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	506333	103.423	ug/l	99
52) Toluene	10.16	92	336004	19.876	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	178166	19.485	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211622	19.531	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	124501	20.438	ug/l	99
56) Ethyl methacrylate	10.43	69	145481	20.188	ug/l	99
57) 1,3-Dichloropropane	10.71	76	209928	20.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	345777	82.899	ug/l	98
59) 2-Hexanone	10.75	43	335346	100.899	ug/l	100
60) Dibromochloromethane	10.90	129	139686	20.335	ug/l	98
61) 1,2-Dibromoethane	11.00	107	118615	19.673	ug/l	99
64) Tetrachloroethene	10.63	164	148398	19.570	ug/l	98
65) Chlorobenzene	11.43	112	363761	19.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132925	20.256	ug/l	99
67) Ethyl Benzene	11.51	91	613447	19.875	ug/l	100
68) m/p-Xylenes	11.62	106	478195	40.593	ug/l	100
69) o-Xylene	11.95	106	231570	20.347	ug/l	99
70) Styrene	11.96	104	373737	20.261	ug/l	100
71) Bromoform	12.13	173	93658	20.818	ug/l #	100
73) Isopropylbenzene	12.25	105	615004	20.579	ug/l	100
74) N-amyl acetate	12.07	43	147144	20.475	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	143822	20.108	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	177633	32.531	ug/l #	100
77) Bromobenzene	12.53	156	161189	20.013	ug/l	98
78) n-propylbenzene	12.59	91	706992	20.464	ug/l	100
79) 2-Chlorotoluene	12.67	91	420011	20.492	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	527549	21.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36961	19.034	ug/l	96
82) 4-Chlorotoluene	12.77	91	422443	20.085	ug/l	99
83) tert-Butylbenzene	12.99	119	467016	21.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	539172	21.354	ug/l	100
85) sec-Butylbenzene	13.17	105	636387	21.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	554773	21.282	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284719	19.664	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	281738	19.671	ug/l	99
89) n-Butylbenzene	13.62	91	463239	20.531	ug/l	100
90) Hexachloroethane	13.87	117	91939	21.382	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	281521	20.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21917	21.501	ug/l	98

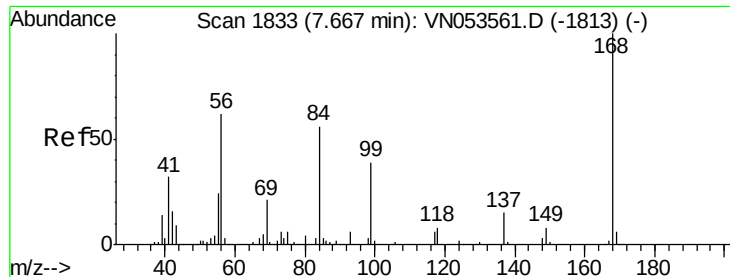
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
Data File : VN053722.D
Acq On : 12 Feb 2019 11:32
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	151730	19.086	ug/l	98
94) Hexachlorobutadiene	15.01	225	105136	21.236	ug/l	98
95) Naphthalene	15.13	128	292821	16.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	144347	19.568	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

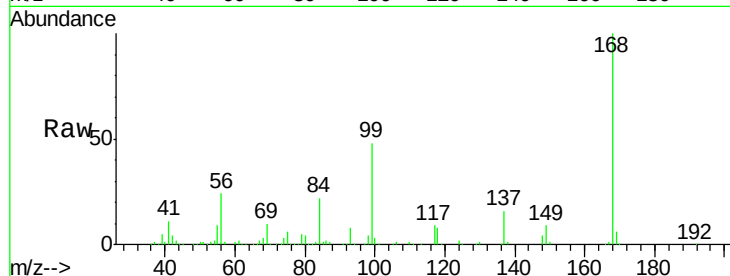
VN0212WBS01

Tot Ion:168 Resp: 645255

Ion Ratio Lower Upper

168 100

99 46.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

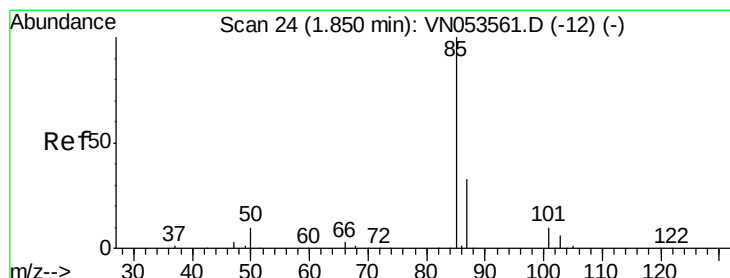
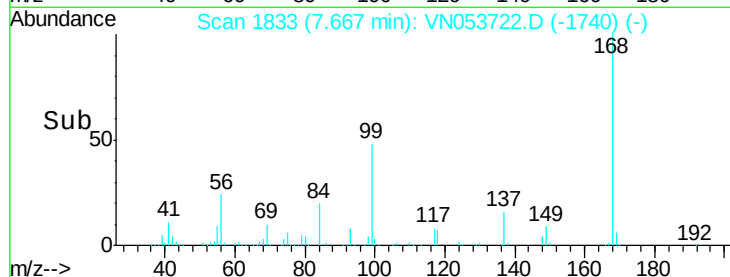
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.624 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053722.D

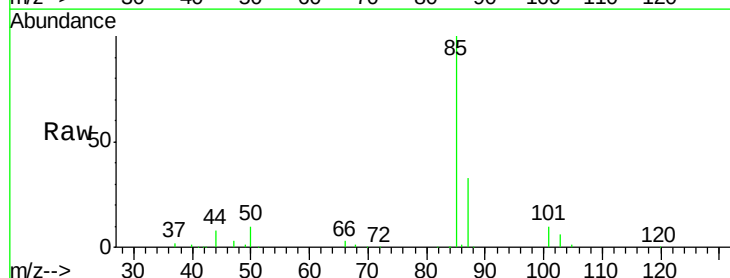
Acq: 12 Feb 2019 11:32

Tgt Ion: 85 Resp: 141254

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

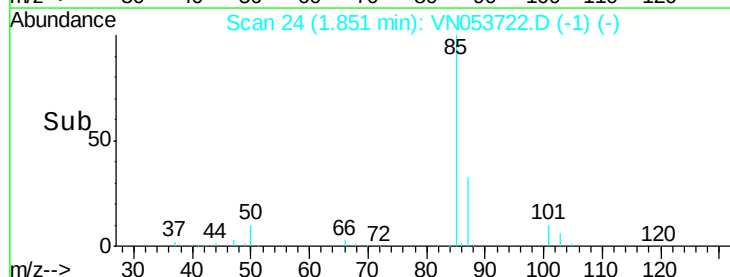
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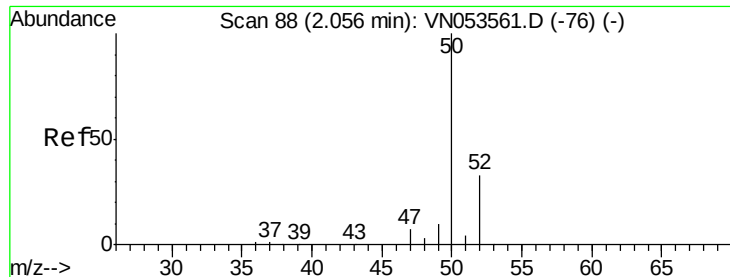
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.312 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

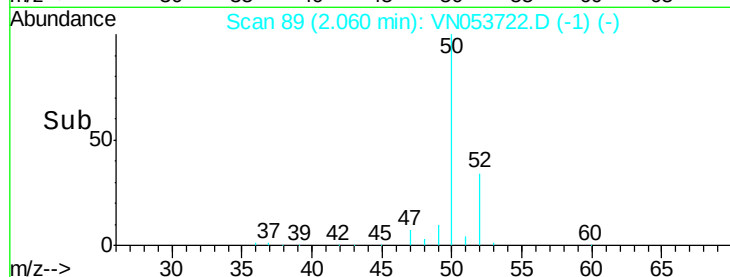
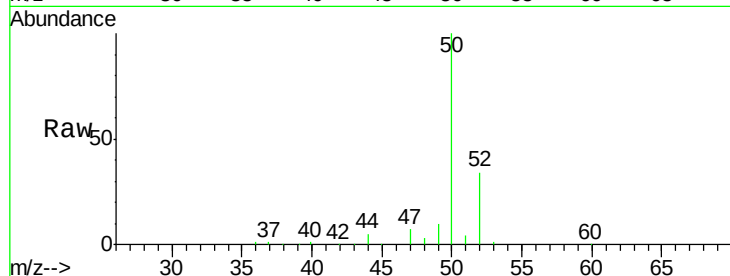
VN0212WBS01

Tot Ion: 50 Resp: 147941

Ion Ratio Lower Upper

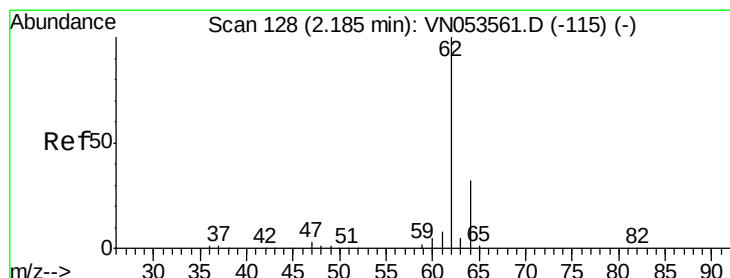
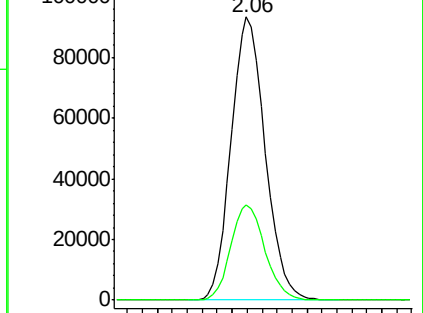
50 100

52 33.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.819 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053722.D

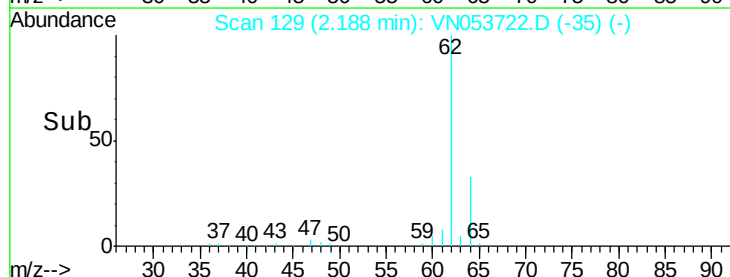
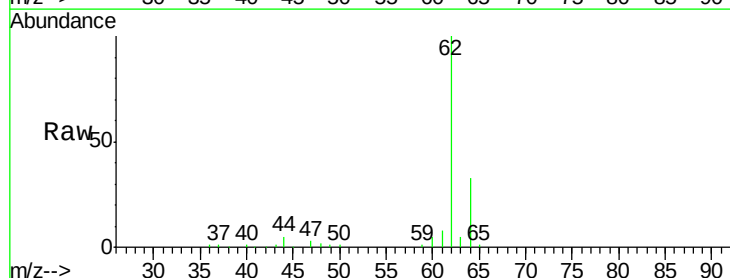
Acq: 12 Feb 2019 11:32

Tgt Ion: 62 Resp: 147384

Ion Ratio Lower Upper

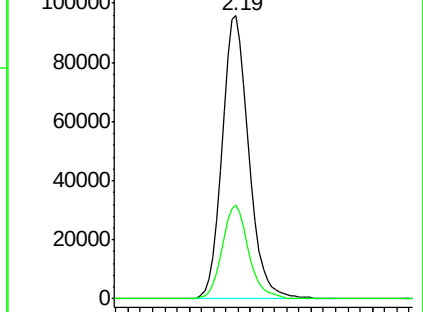
62 100

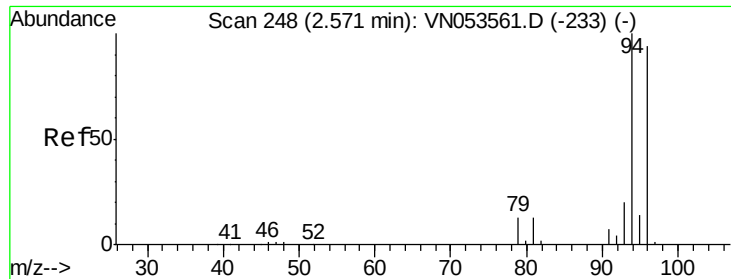
64 33.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

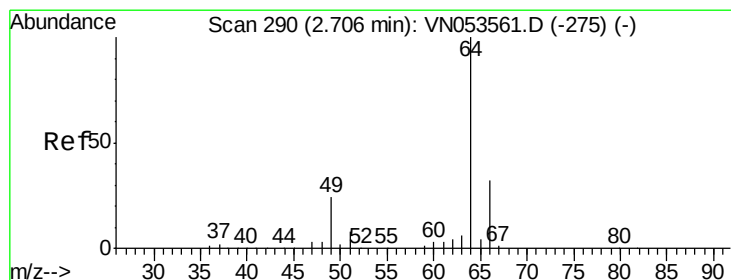
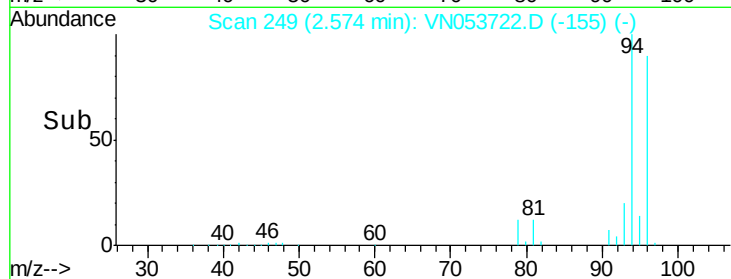
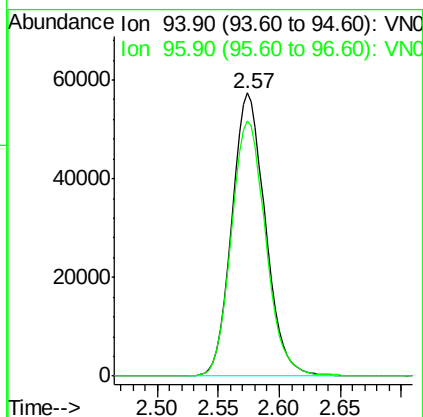
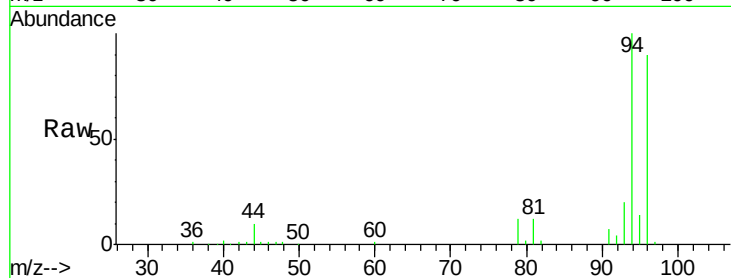




#5
Bromomethane
Concen: 22.524 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

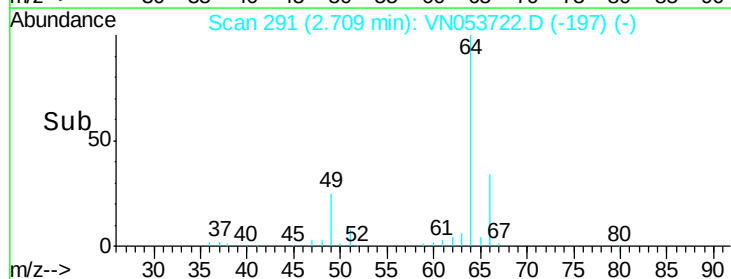
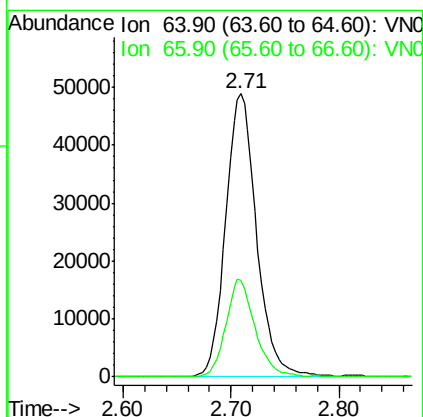
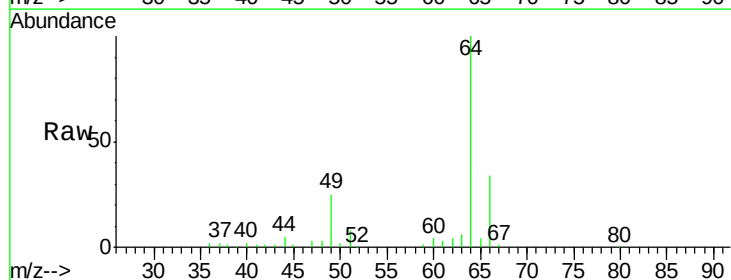
Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

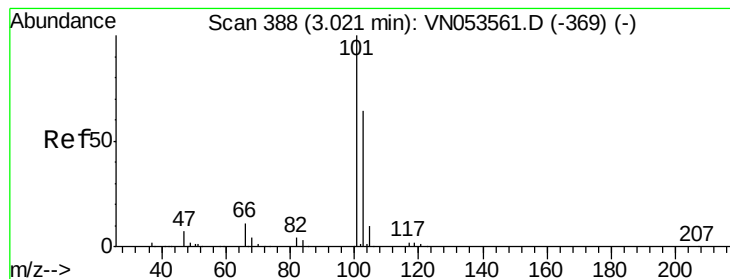
Tot Ion: 94 Resp: 109516
Ion Ratio Lower Upper
94 100
96 90.2 76.8 115.2



#6
Chloroethane
Concen: 22.963 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 64 Resp: 97583
Ion Ratio Lower Upper
64 100
66 34.0 25.1 37.7



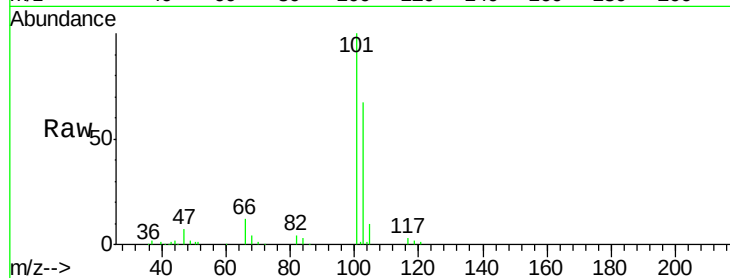


#7

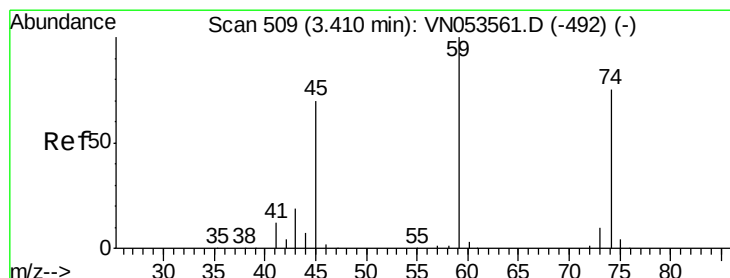
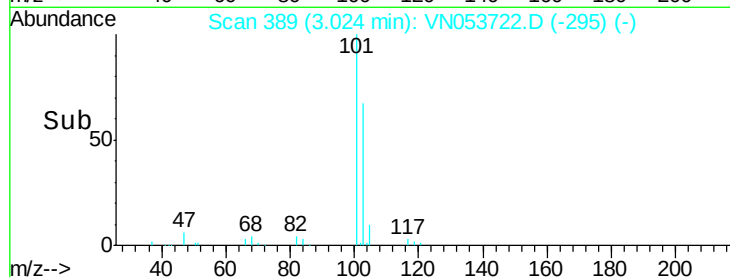
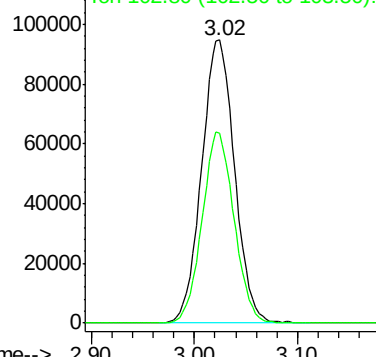
Trichlorofluoromethane
 Concen: 20.880 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0212WBS01

Tot Ion:101 Resp: 210554
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.6 77.4



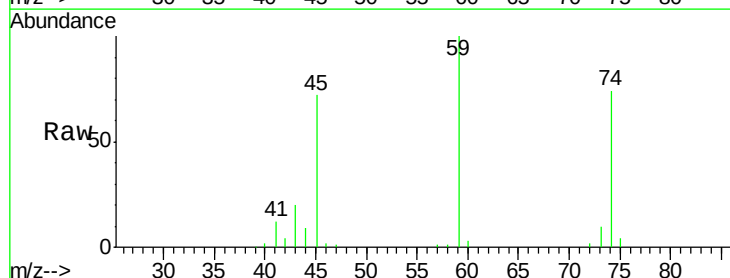
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



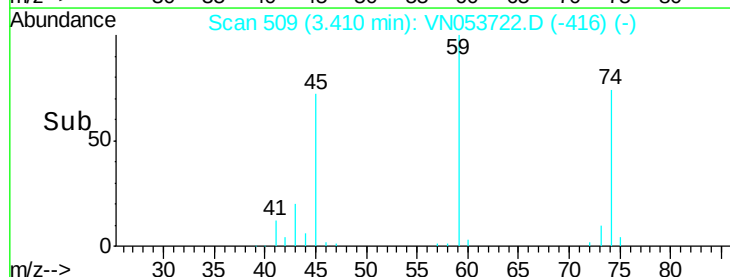
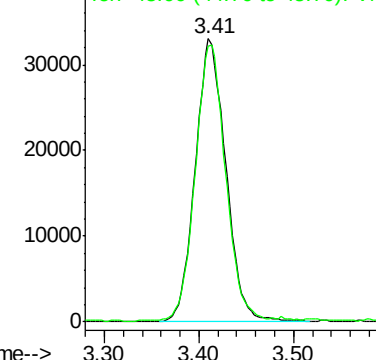
#8

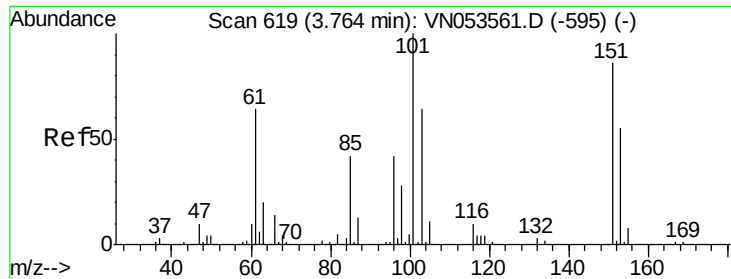
Diethyl Ether
 Concen: 20.209 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion: 74 Resp: 74427
 Ion Ratio Lower Upper
 74 100
 45 95.8 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.072 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

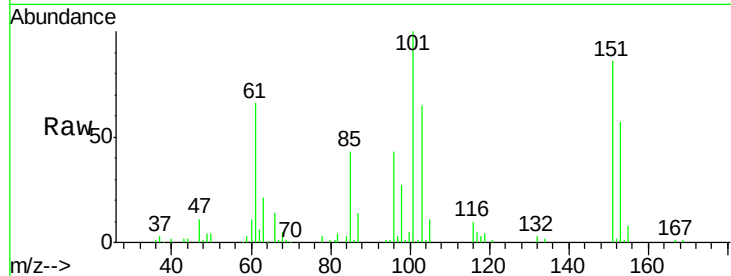
Tot Ion:101 Resp: 131416

Ion Ratio Lower Upper

101 100

85 42.4 32.8 49.2

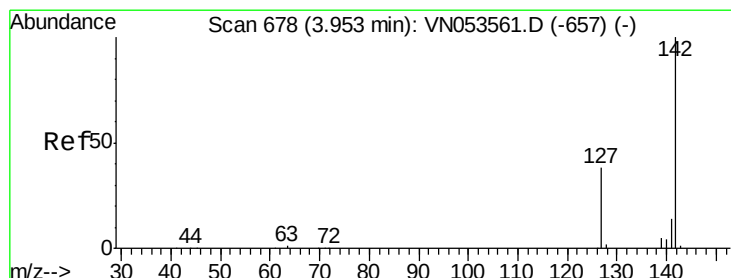
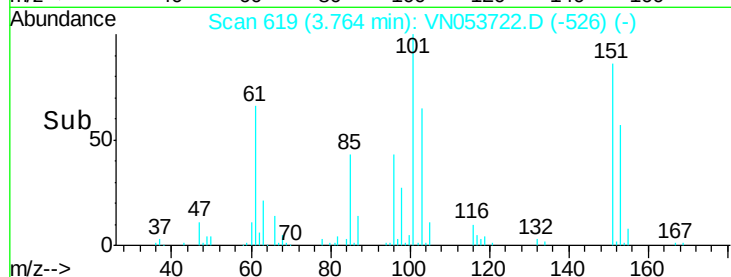
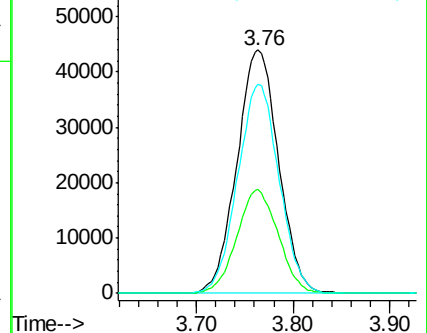
151 85.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.271 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

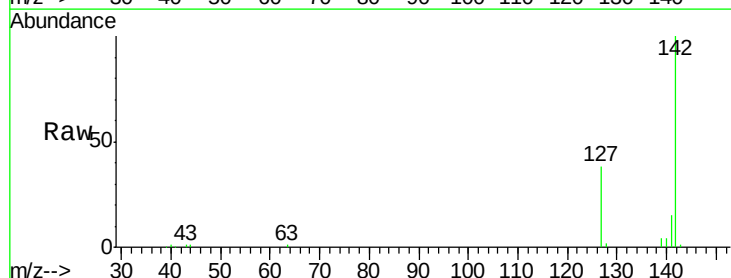
Tgt Ion:142 Resp: 169067

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

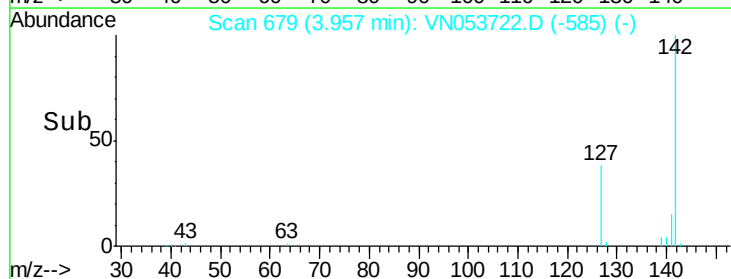
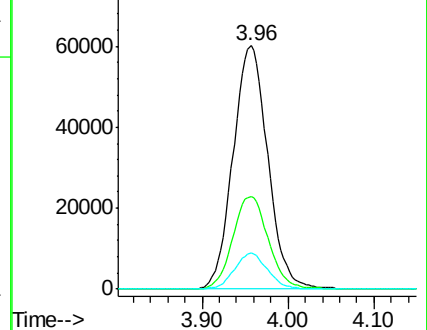
141 14.1 11.1 16.7

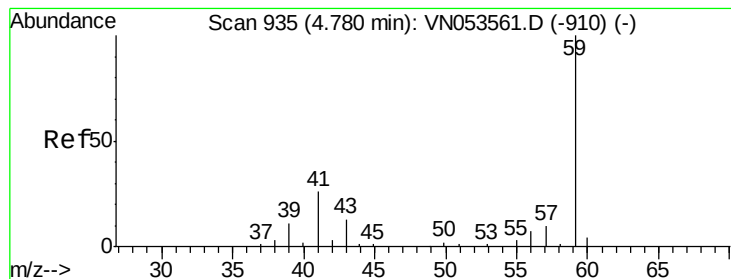


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



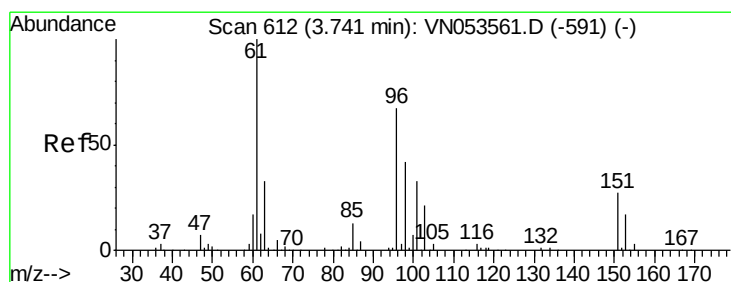
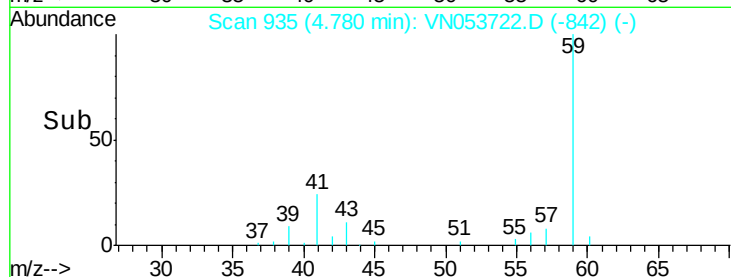
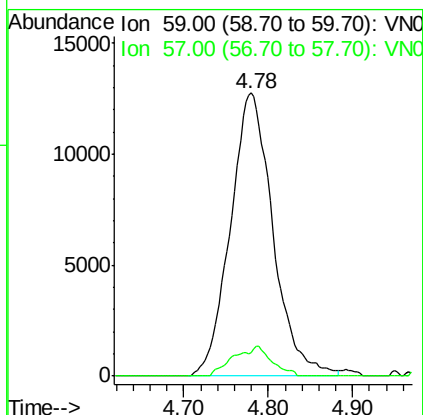
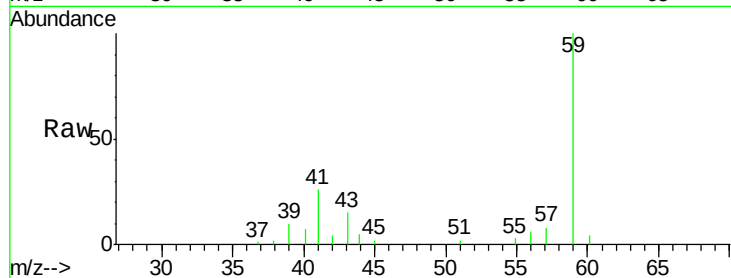


#11

Tert butyl alcohol
Concen: 117.004 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

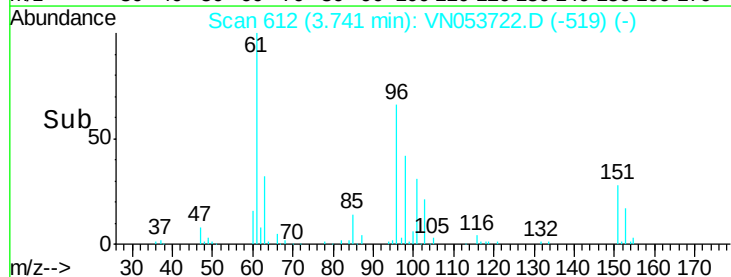
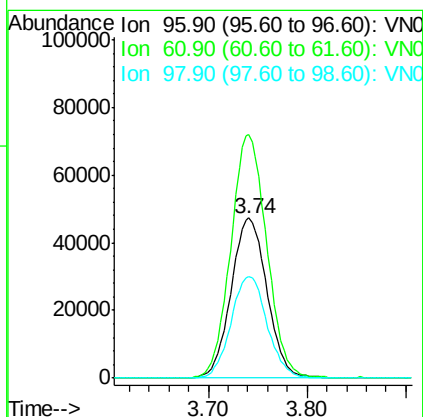
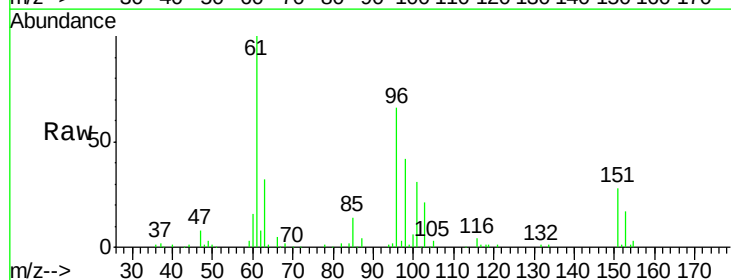
Tot Ion: 59 Resp: 44824
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#

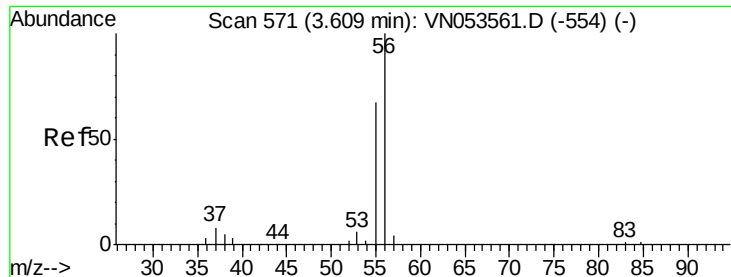


#12

1,1-Dichloroethene
Concen: 20.098 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 96 Resp: 120089
Ion Ratio Lower Upper
96 100
61 152.2 122.9 184.3
98 63.5 49.4 74.0





#13

Acrolein

Concen: 87.688 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

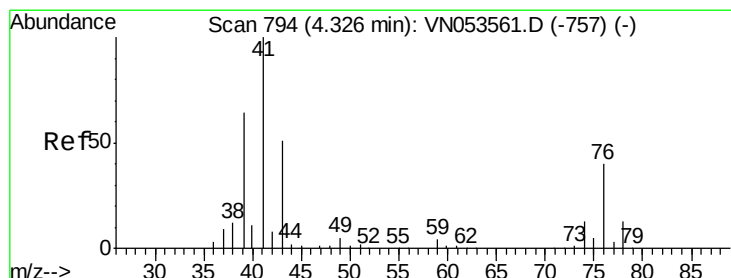
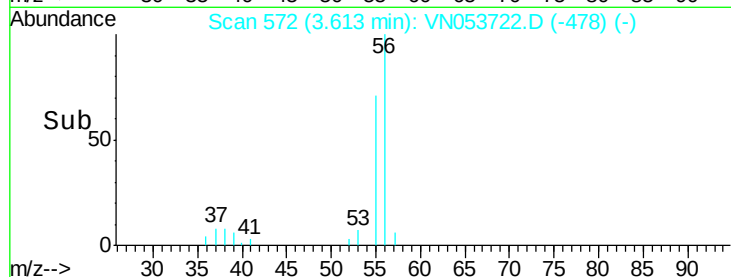
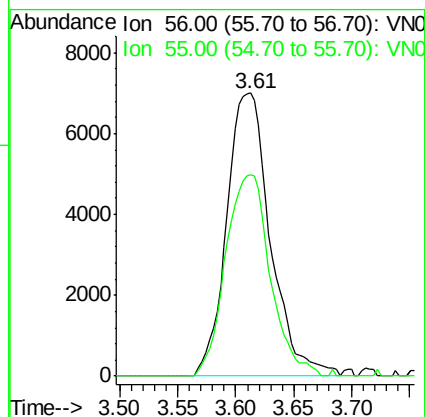
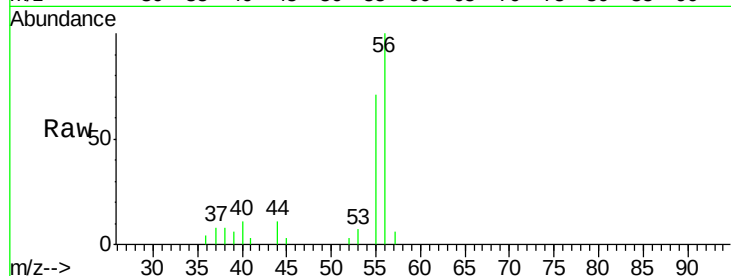
VN0212WBS01

Tot Ion: 56 Resp: 18290

Ion Ratio Lower Upper

56 100

55 72.7 57.4 86.0



#14

Allyl chloride

Concen: 19.976 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

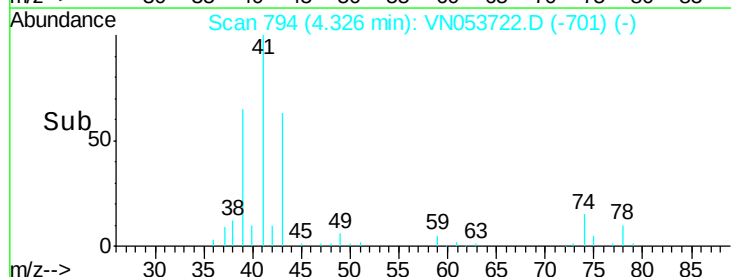
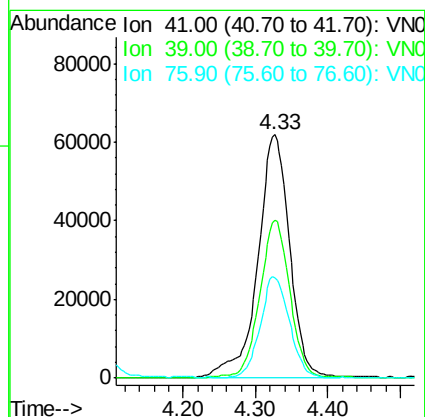
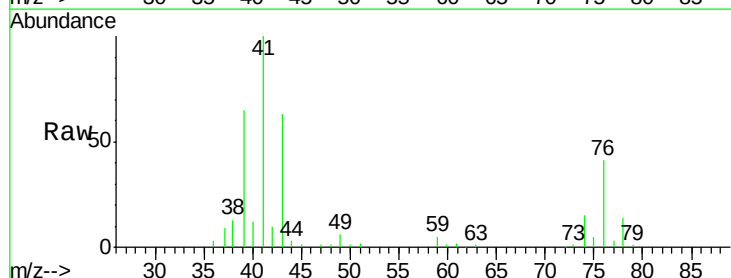
Tgt Ion: 41 Resp: 190048

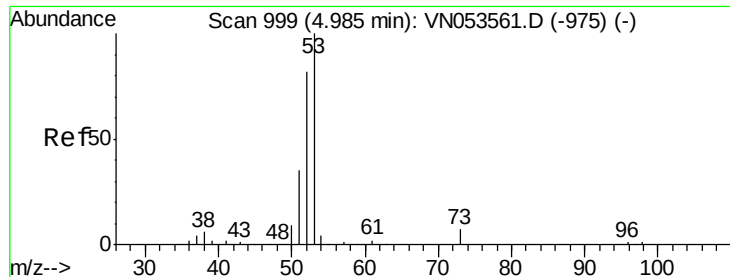
Ion Ratio Lower Upper

41 100

39 61.6 48.9 73.3

76 38.1 29.4 44.2

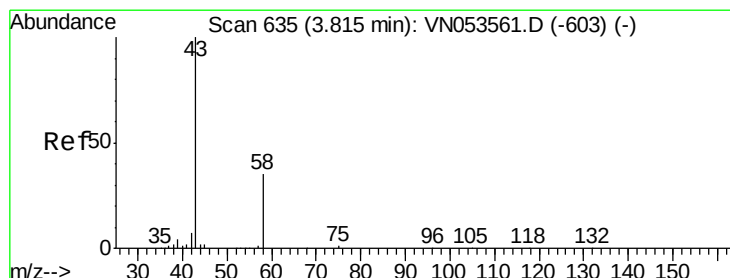
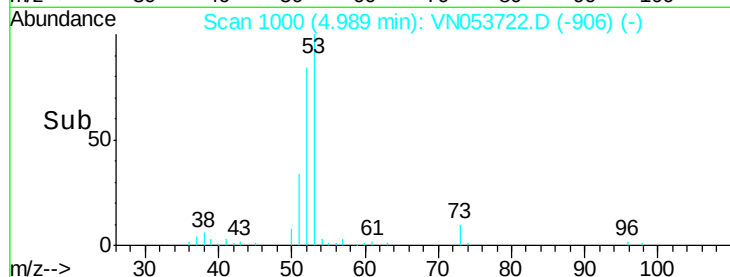
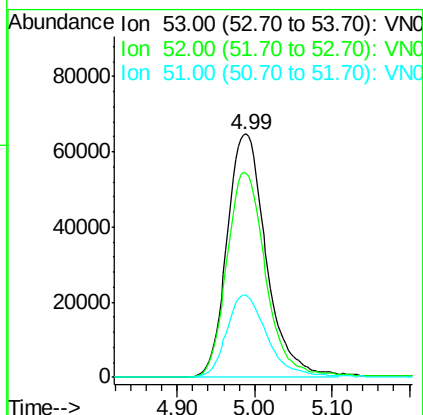
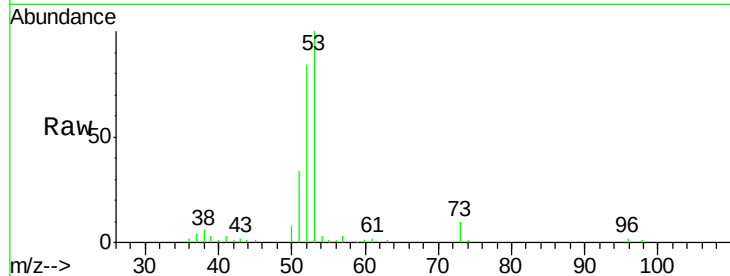




#15
 Acrylonitrile
 Concen: 110.229 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

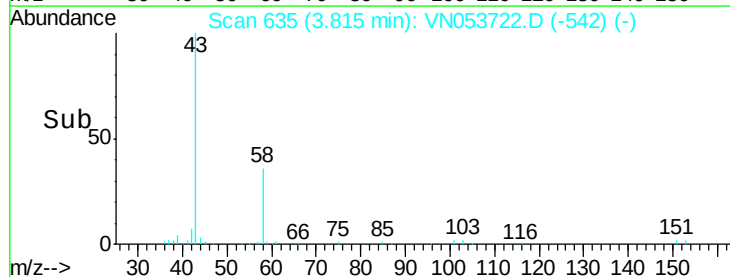
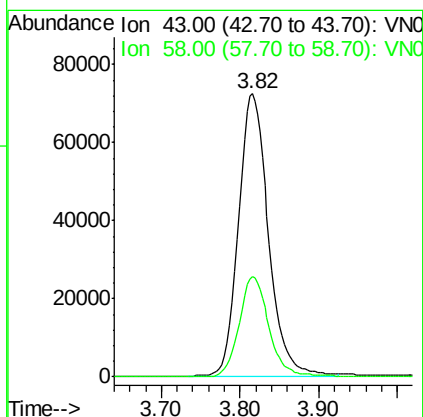
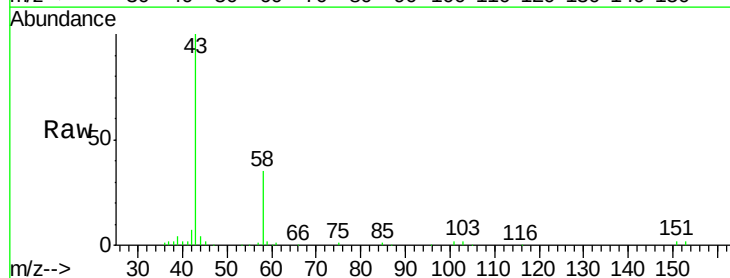
Instrument :
 MSVOA_N
 ClientSampled :
 VN0212WBS01

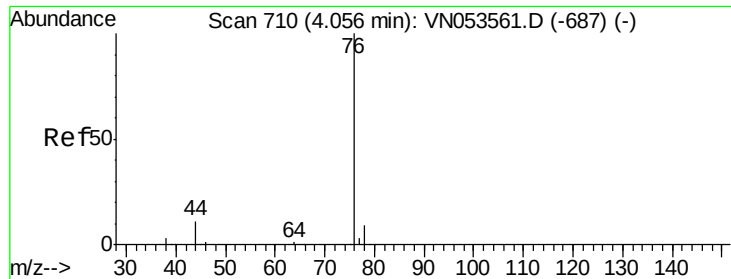
Tot Ion: 53 Resp: 227970
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.0 99.0
 51 34.6 28.3 42.5



#16
 Acetone
 Concen: 116.548 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion: 43 Resp: 193514
 Ion Ratio Lower Upper
 43 100
 58 35.5 27.1 40.7

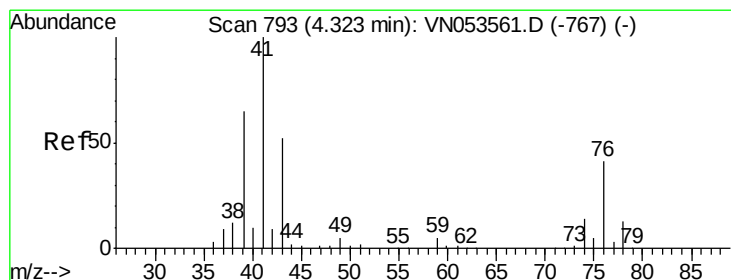
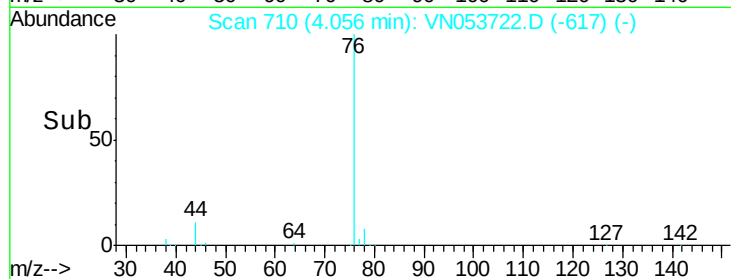
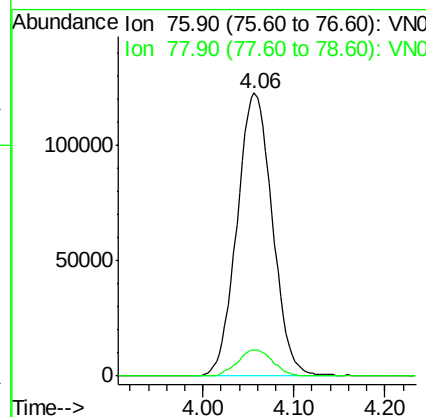
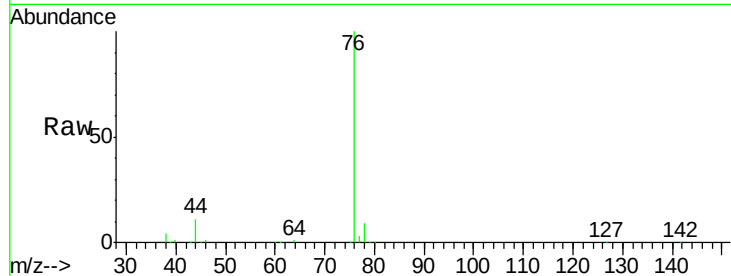




#17
Carbon Disulfide
Concen: 17.771 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

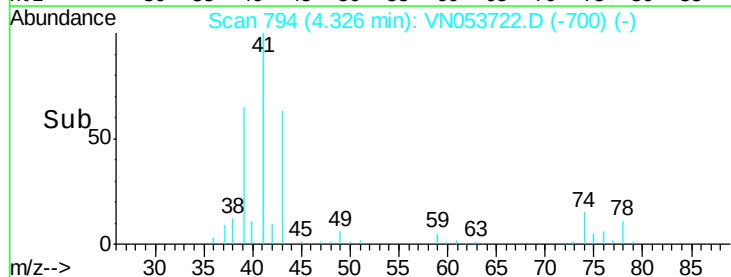
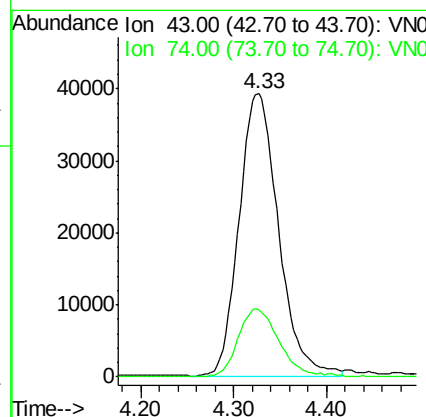
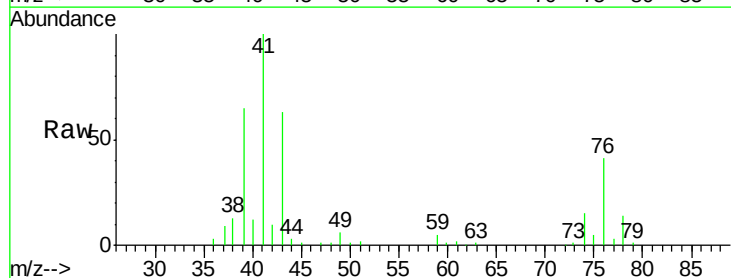
Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

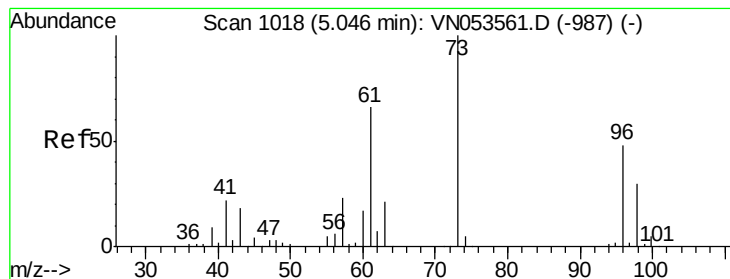
Tot Ion: 76 Resp: 330642
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 23.510 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 43 Resp: 115606
Ion Ratio Lower Upper
43 100
74 24.9 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 21.861 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

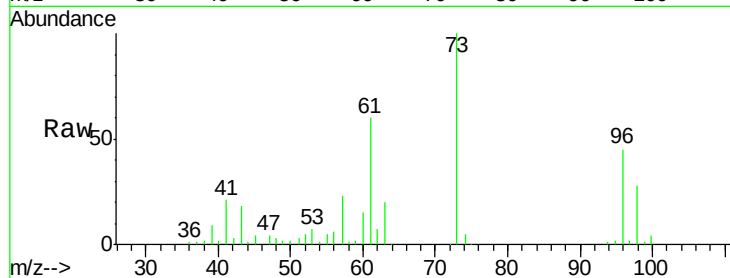
VN0212WBS01

Tot Ion: 73 Resp: 331141

Ion Ratio Lower Upper

73 100

57 22.9 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

80000

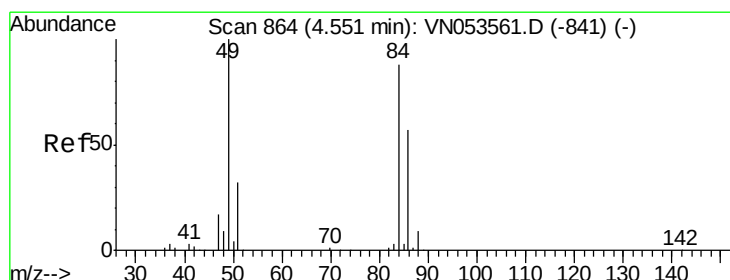
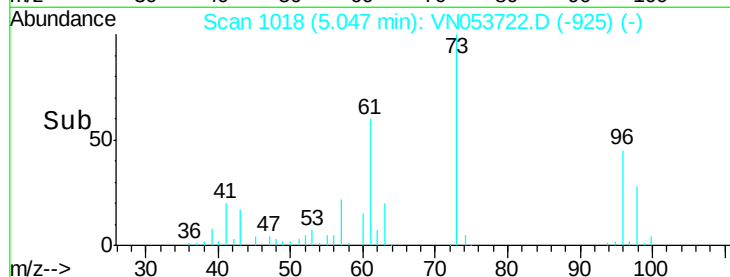
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 19.892 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion: 84 Resp: 138569

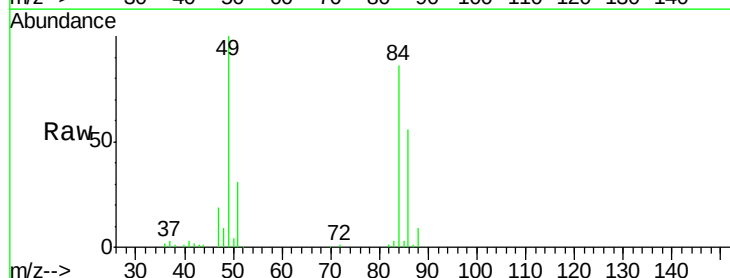
Ion Ratio Lower Upper

84 100

49 116.0 94.3 141.5

51 35.7 29.4 44.2

86 65.1 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

80000

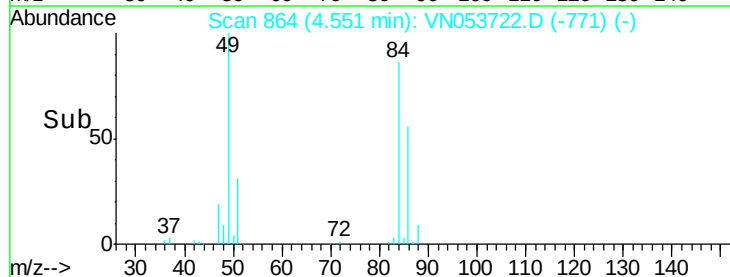
60000

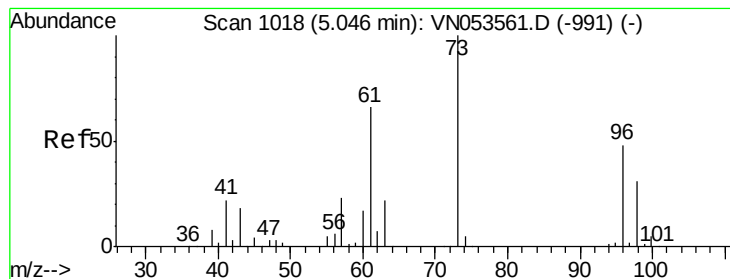
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.981 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

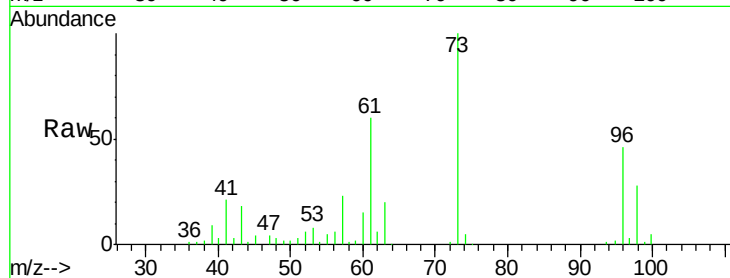
Tot Ion: 96 Resp: 128805

Ion Ratio Lower Upper

96 100

61 130.2 110.1 165.1

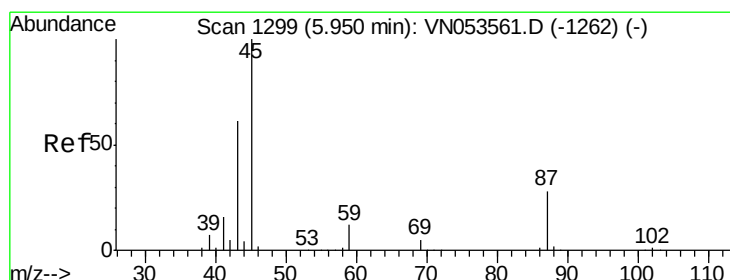
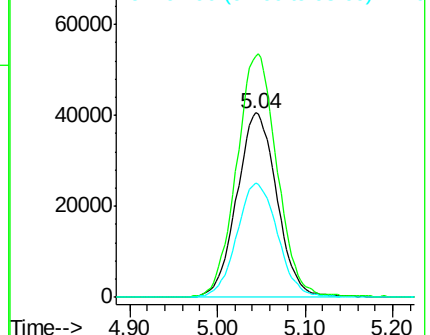
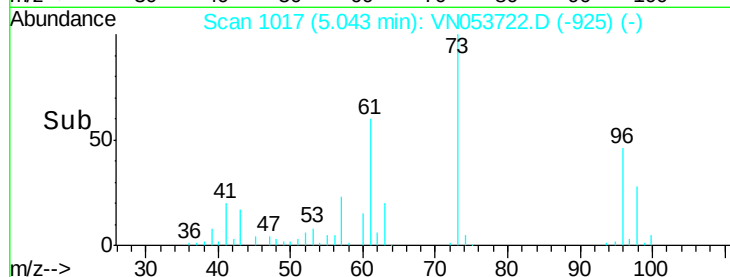
98 62.3 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.980 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion: 45 Resp: 369850

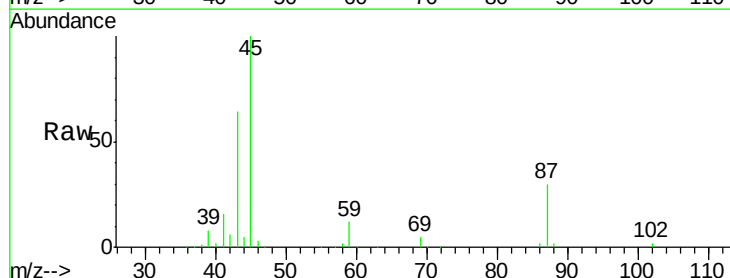
Ion Ratio Lower Upper

45 100

43 60.7 44.2 66.4

87 28.9 22.7 34.1

59 12.0 9.4 14.2

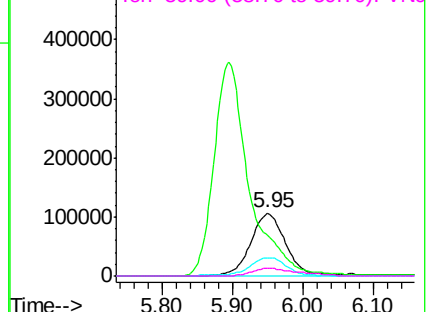
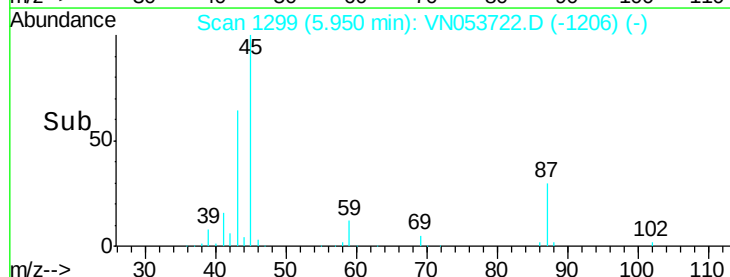


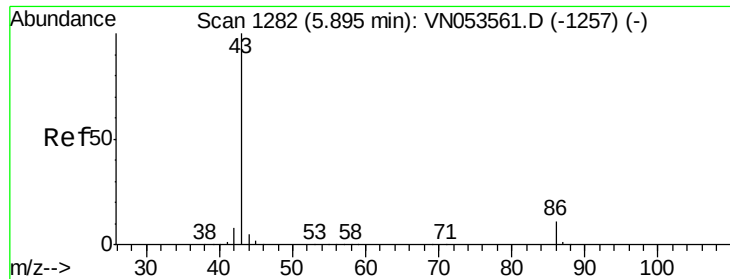
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.686 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

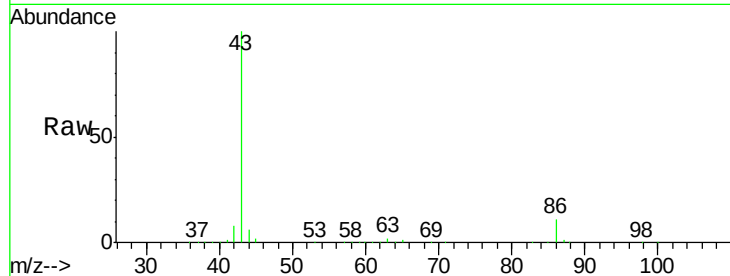
VN0212WBS01

Tot Ion: 43 Resp: 1264451

Ion Ratio Lower Upper

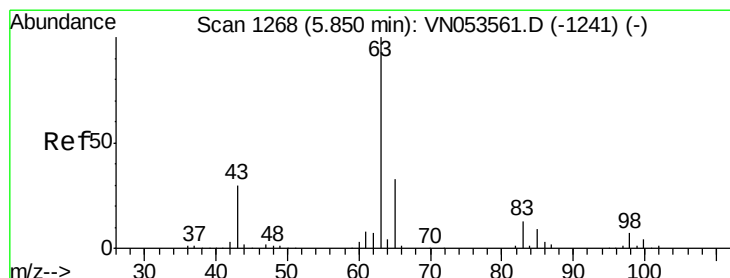
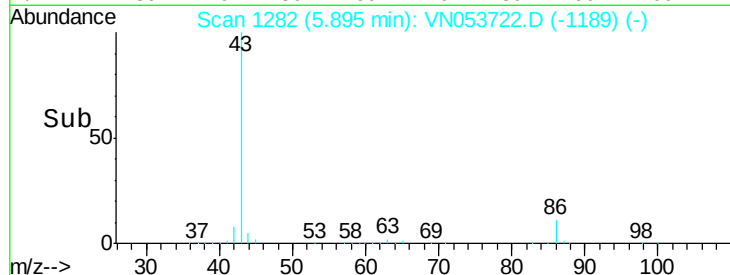
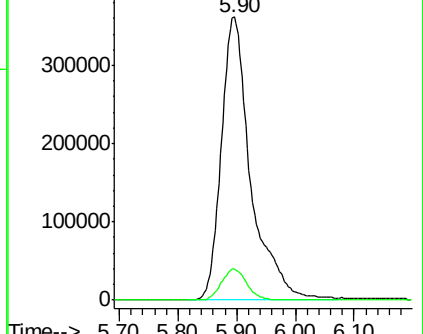
43 100

86 11.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.393 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

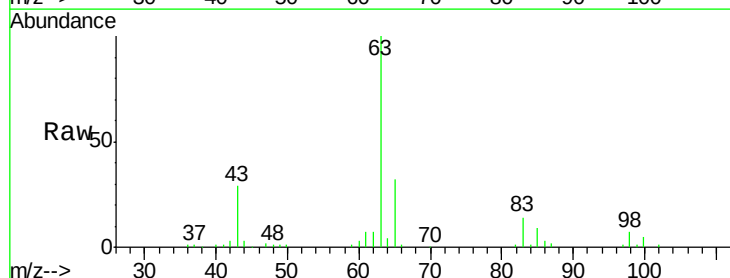
Tgt Ion: 63 Resp: 239775

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

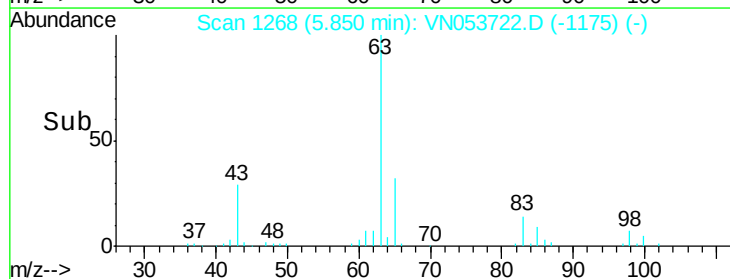
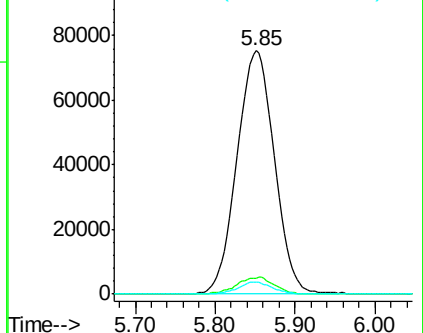
100 5.0 2.1 6.5

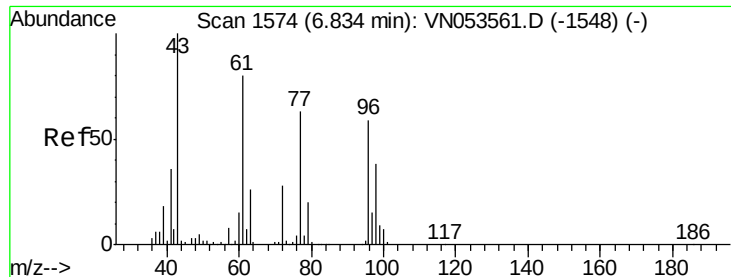


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 111.146 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

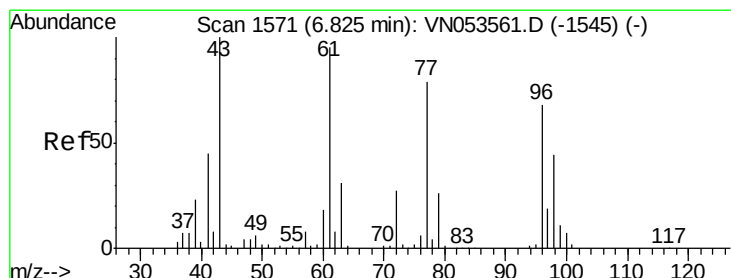
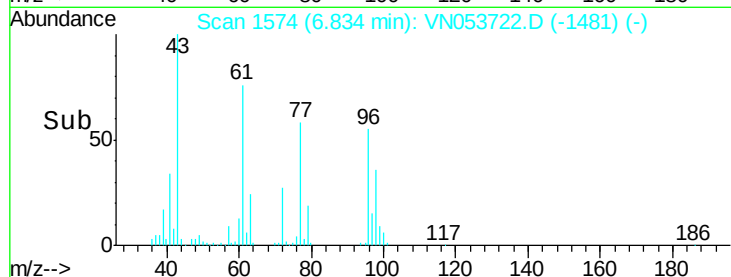
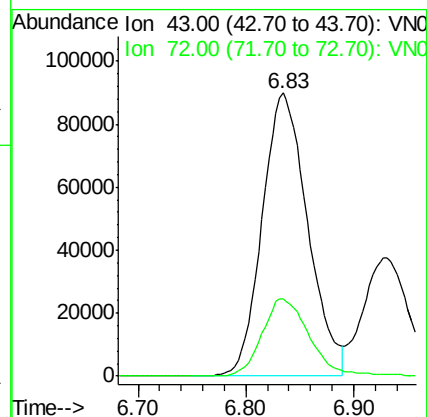
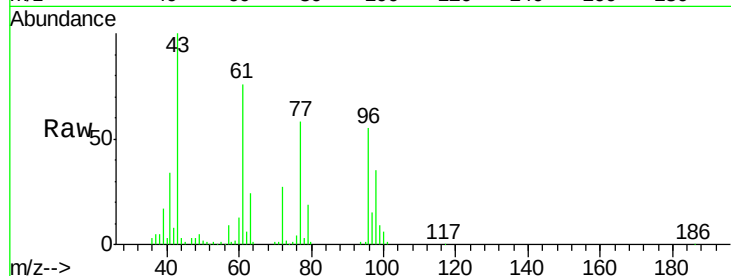
VN0212WBS01

Tot Ion: 43 Resp: 263202

Ion Ratio Lower Upper

43 100

72 27.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.214 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053722.D

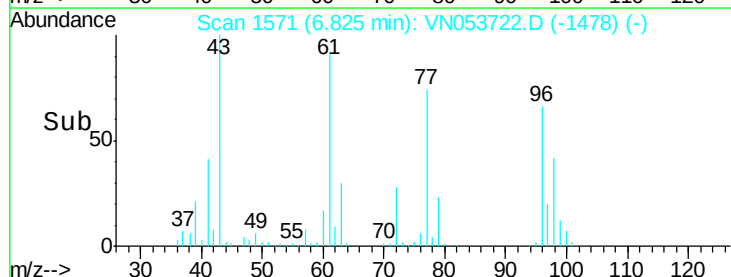
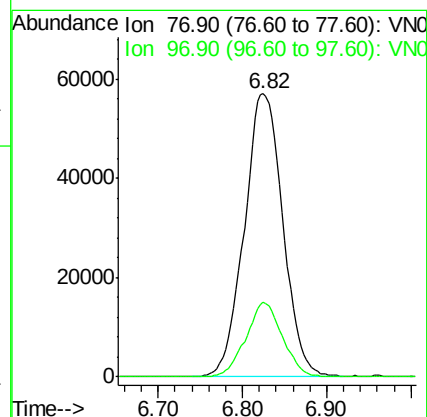
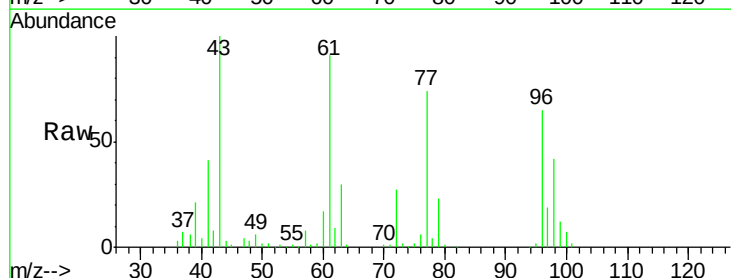
Acq: 12 Feb 2019 11:32

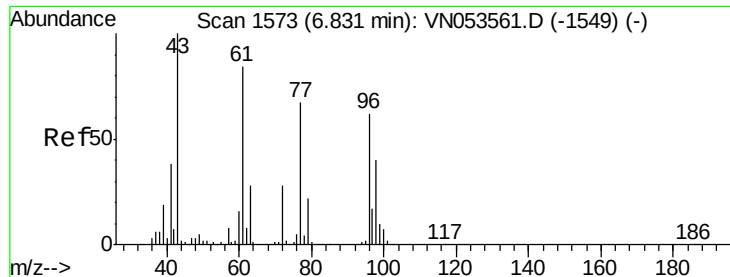
Tgt Ion: 77 Resp: 181433

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.826 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

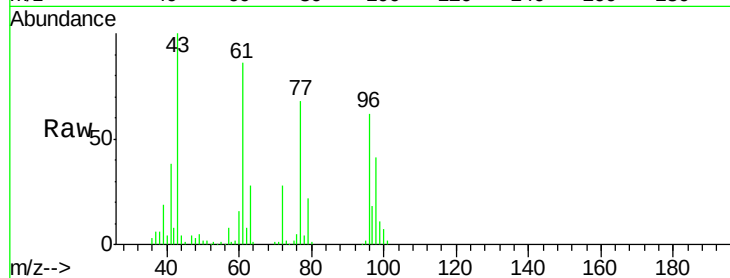
Tot Ion: 96 Resp: 149282

Ion Ratio Lower Upper

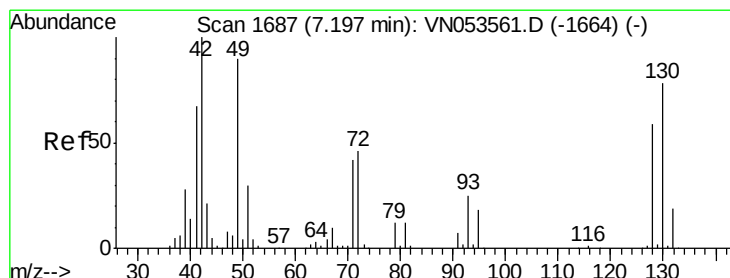
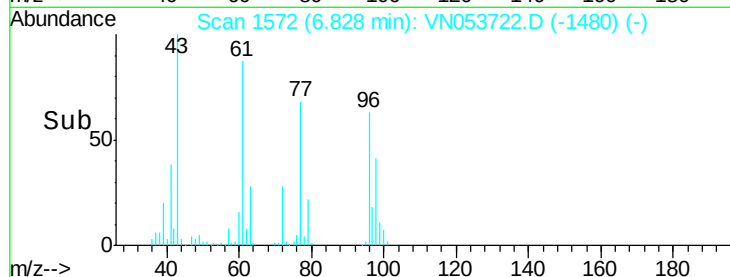
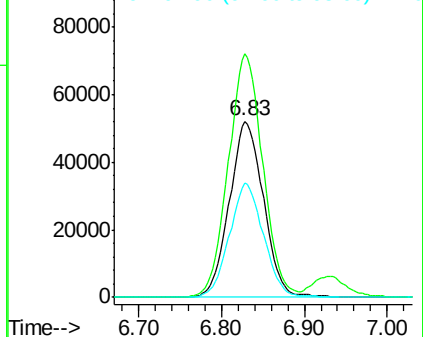
96 100

61 139.5 0.0 283.8

98 64.5 0.0 129.2



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



#28

Bromochloromethane

Concen: 19.723 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

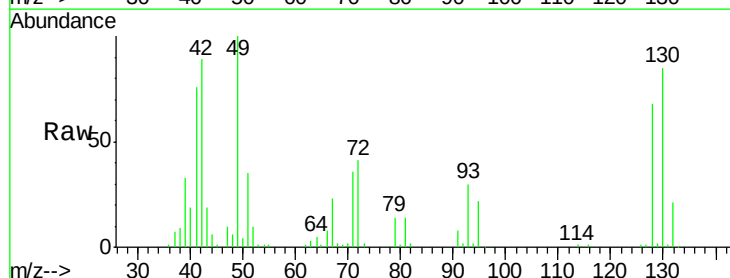
Tgt Ion: 49 Resp: 100637

Ion Ratio Lower Upper

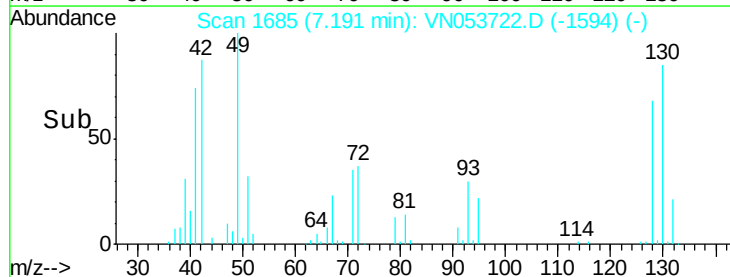
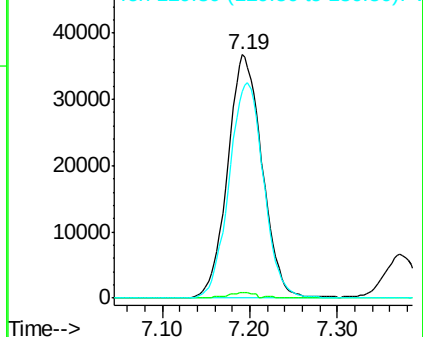
49 100

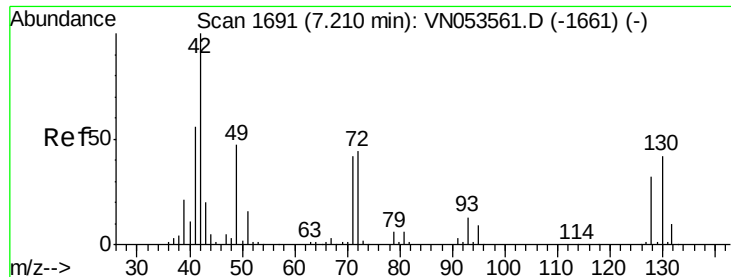
129 1.7 0.0 4.0

130 88.3 66.3 99.5



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

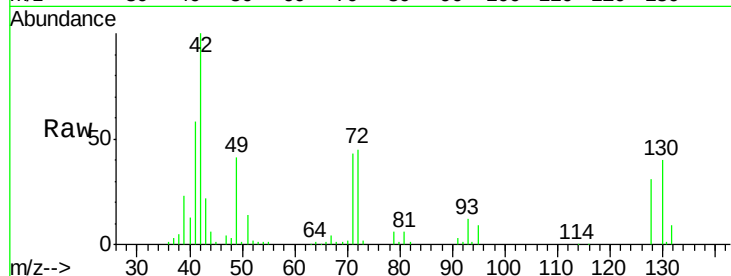




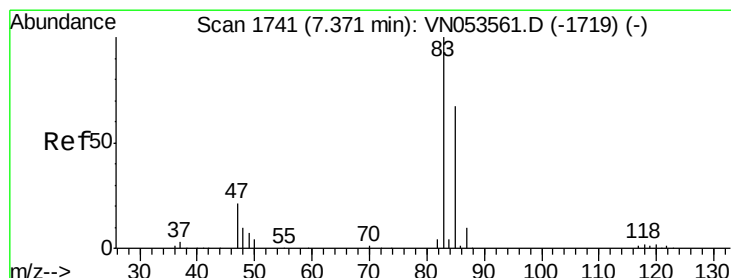
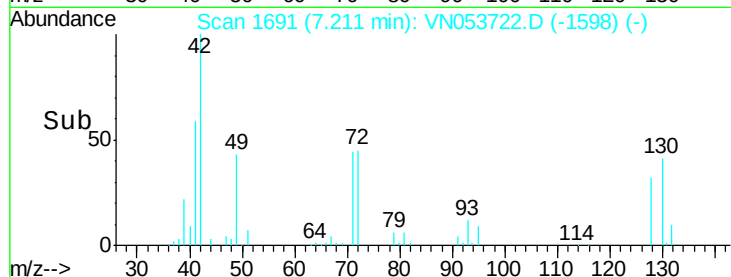
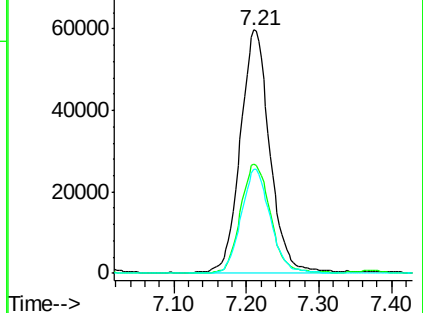
#29
Tetrahydrofuran
Concen: 111.920 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion: 42 Resp: 170187
Ion Ratio Lower Upper
42 100
72 45.7 35.2 52.8
71 42.3 33.0 49.4

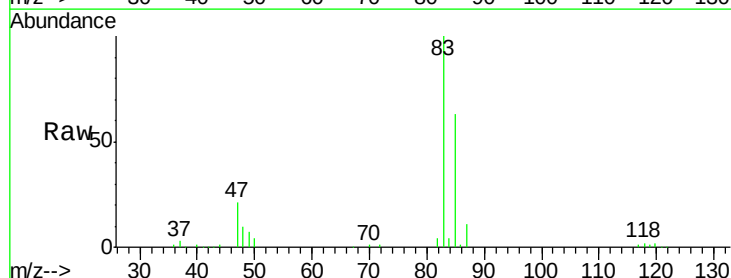


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

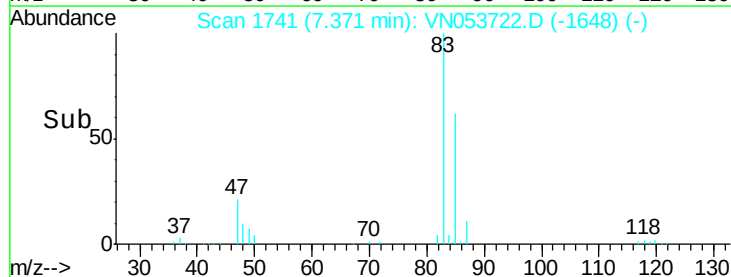
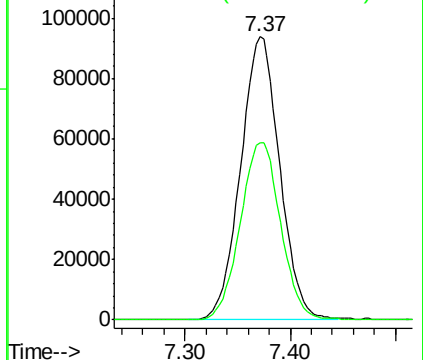


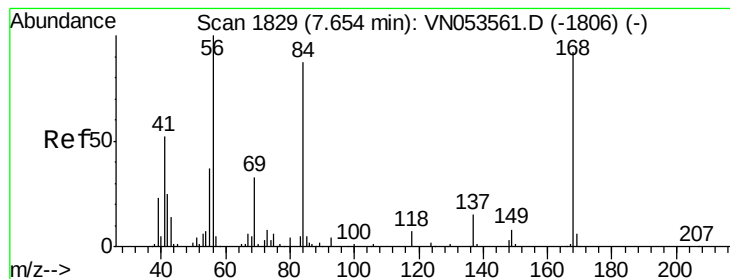
#30
Chloroform
Concen: 20.770 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 83 Resp: 242090
Ion Ratio Lower Upper
83 100
85 62.7 52.2 78.2



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





#31

Cyclohexane

Concen: 19.376 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

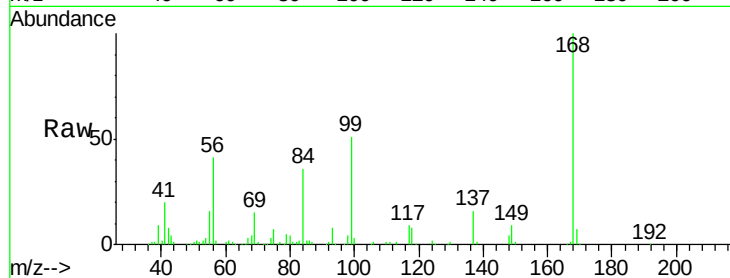
Tot Ion: 56 Resp: 213248

Ion Ratio Lower Upper

56 100

69 36.9 26.4 39.6

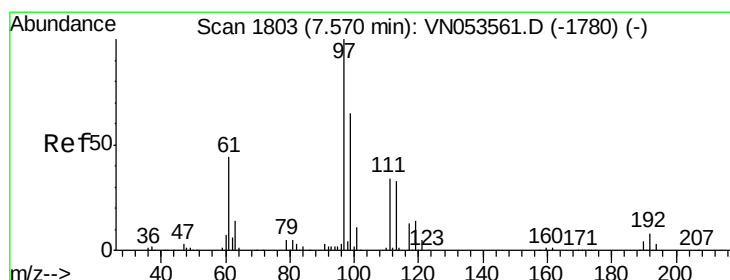
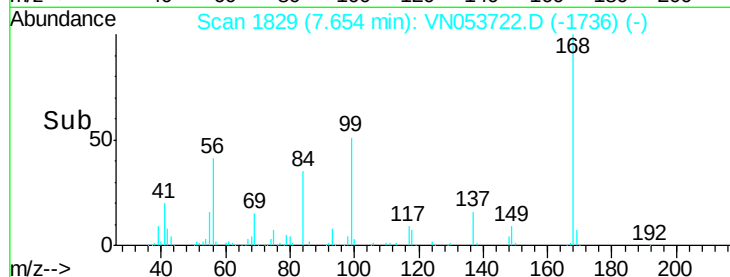
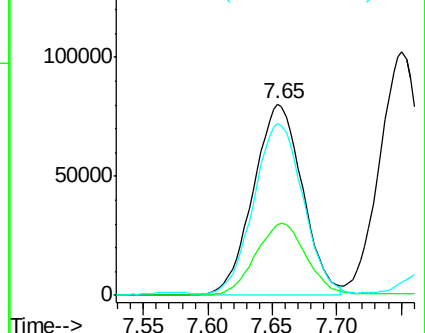
84 88.8 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.622 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

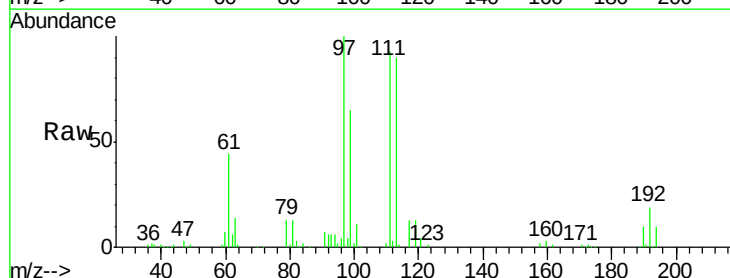
Tgt Ion: 97 Resp: 200032

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

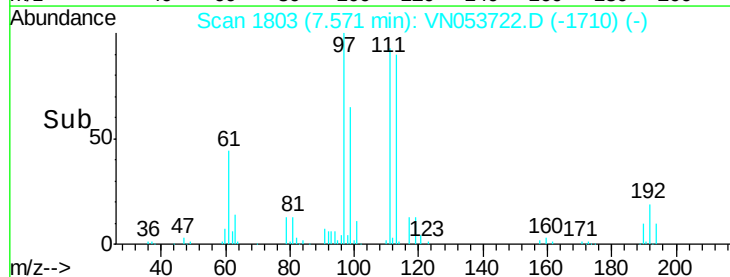
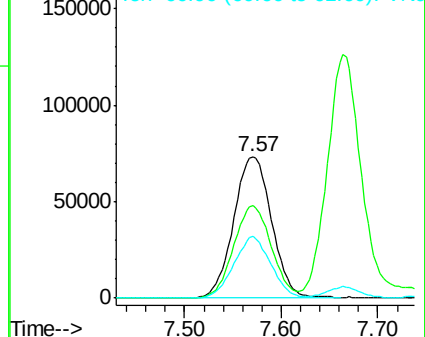
61 42.4 34.4 51.6

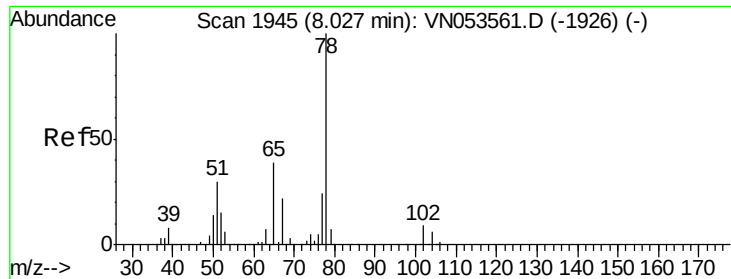


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

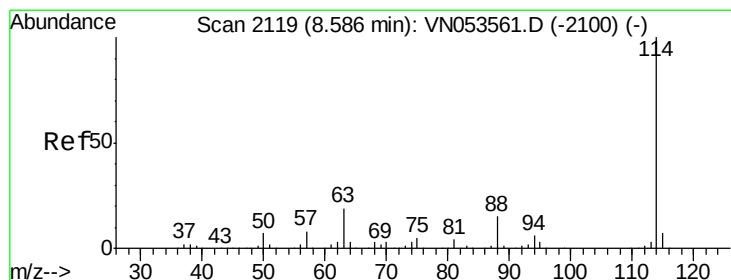
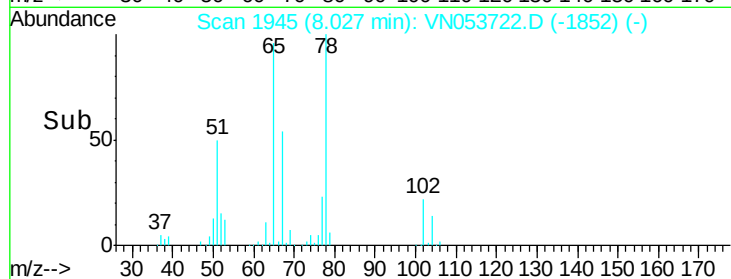
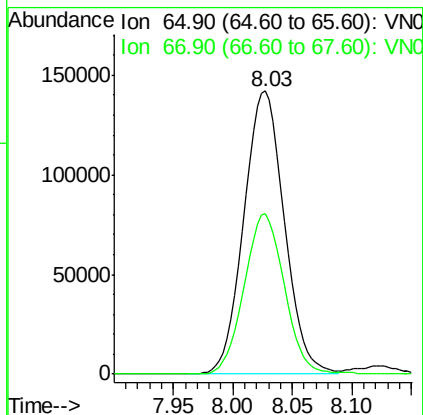
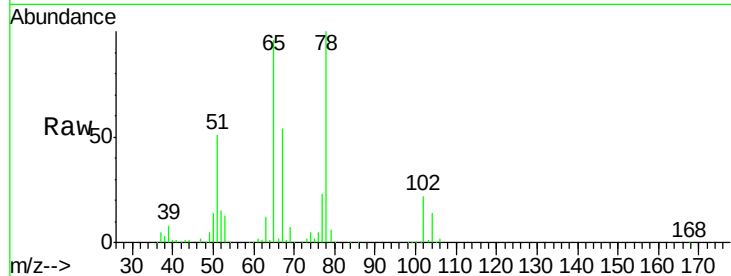




#33
 1,2-Dichloroethane-d4
 Concen: 51.893 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

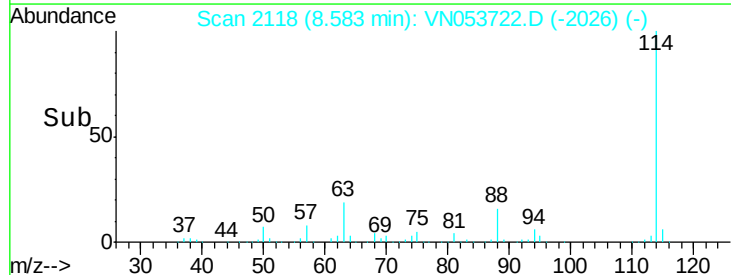
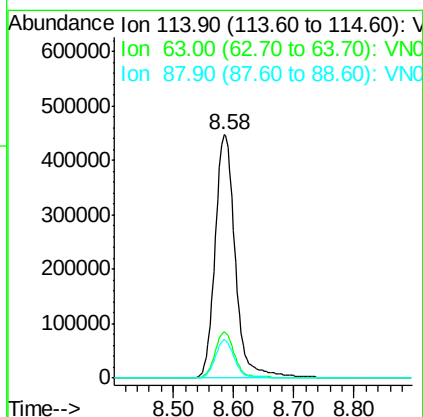
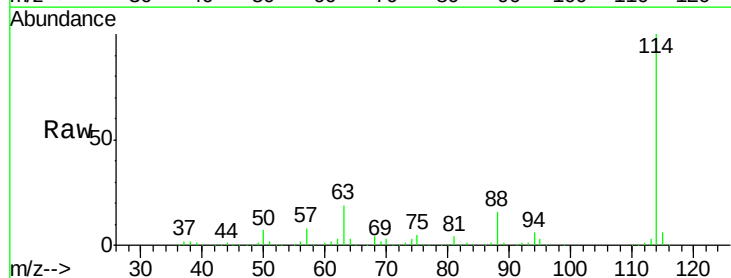
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

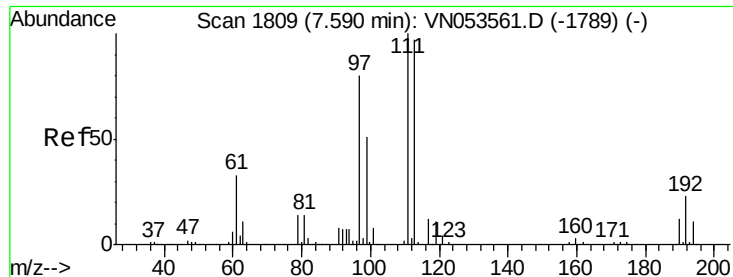
Tot Ion: 65 Resp: 335913
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion: 114 Resp: 1024680
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.7 0.0 30.4

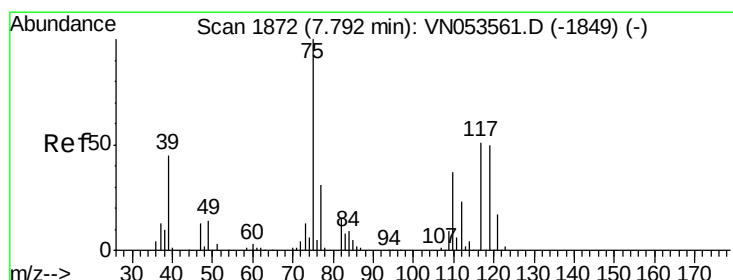
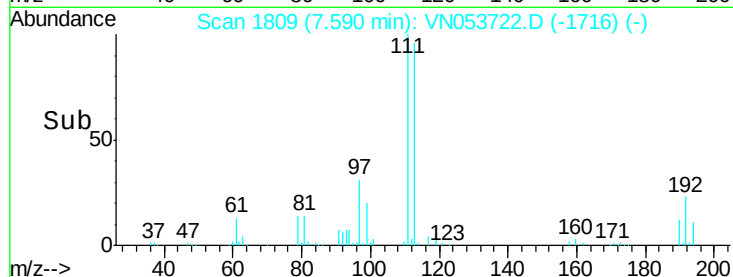
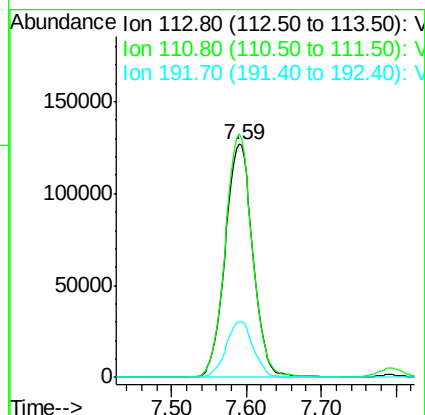
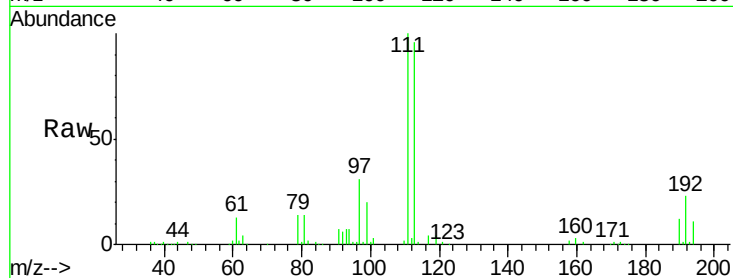




#35
 Dibromofluoromethane
 Concen: 50.443 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

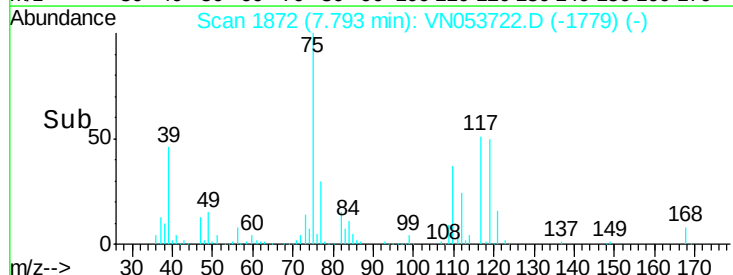
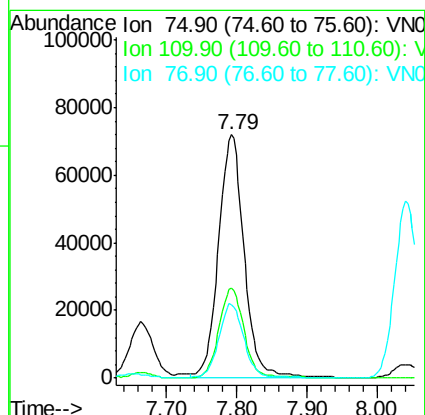
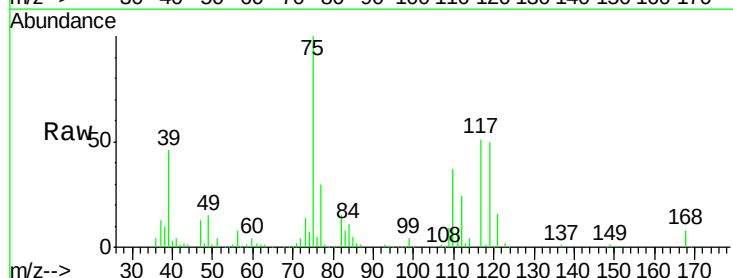
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

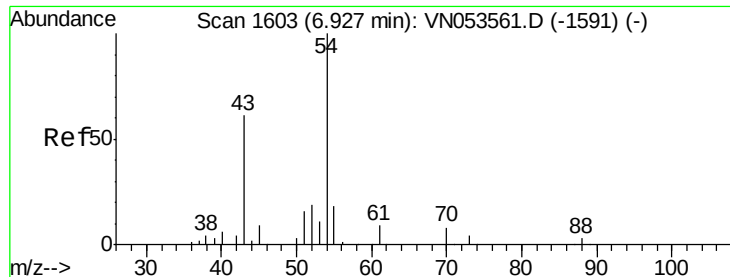
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	23.6	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 19.599 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.3
77	29.8	25.1	37.7

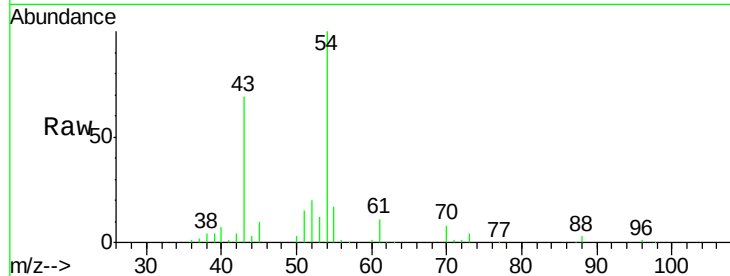




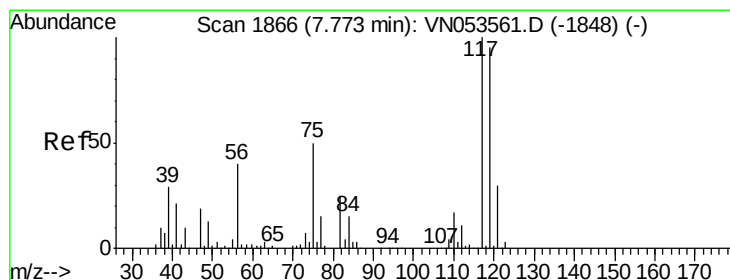
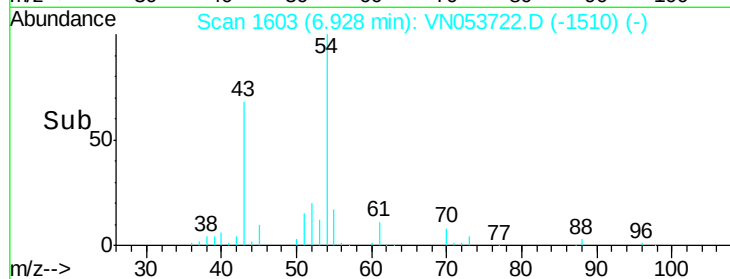
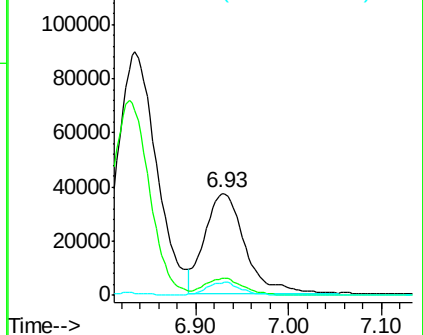
#37
Ethyl Acetate
Concen: 21.685 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion: 43 Resp: 111868
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 11.2 8.6 12.8

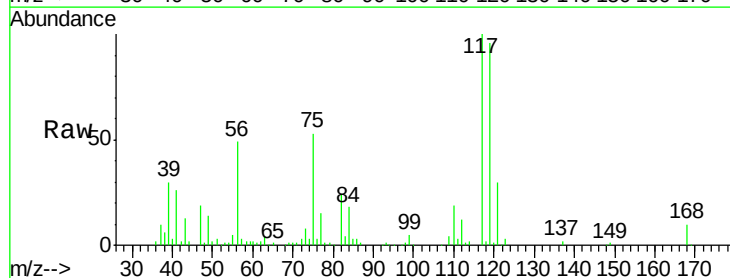


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

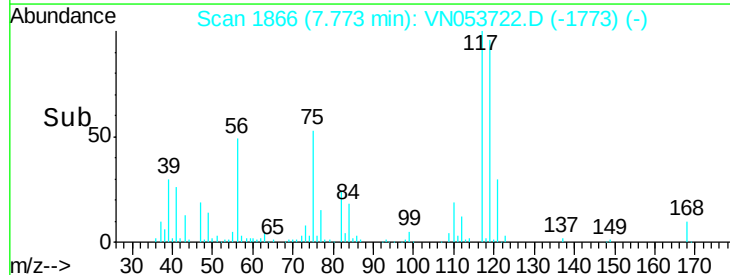
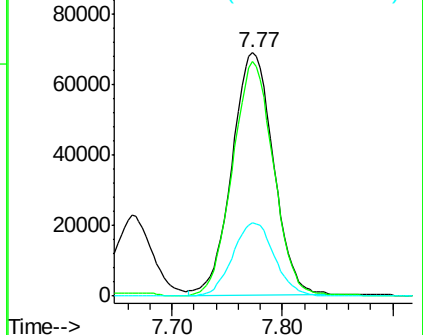


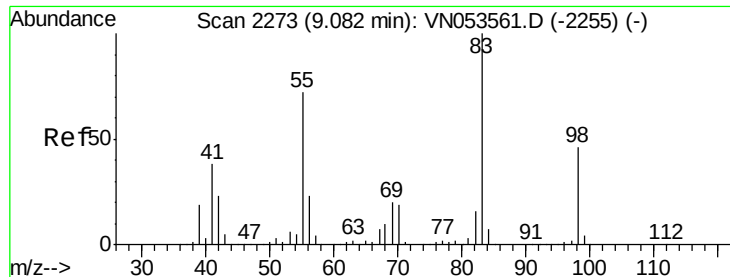
#38
Carbon Tetrachloride
Concen: 19.221 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 117 Resp: 178858
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8
121 30.1 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

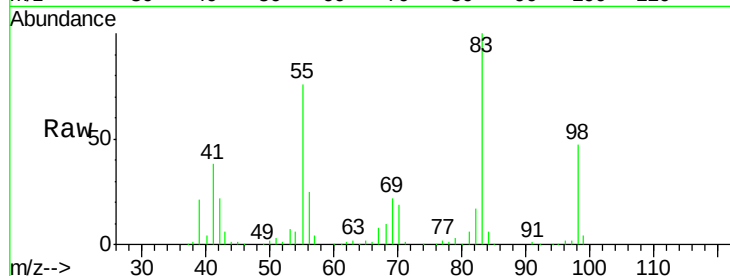




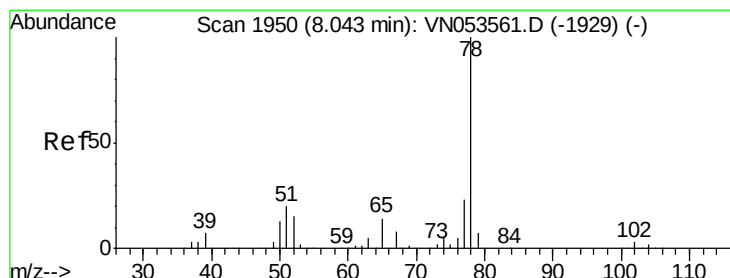
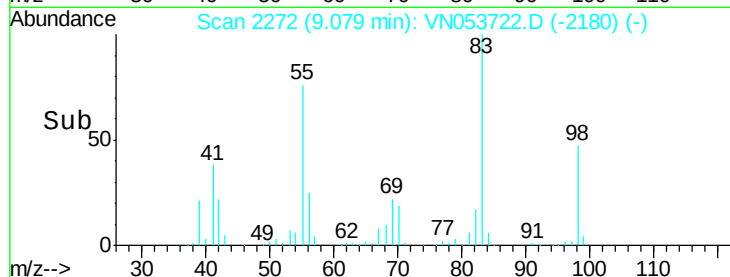
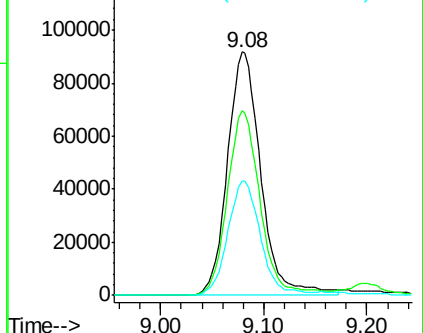
#39
Methylvlcyclohexane
Concen: 18.867 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion: 83 Resp: 206750
Ion Ratio Lower Upper
83 100
55 76.0 60.1 90.1
98 46.8 36.6 55.0

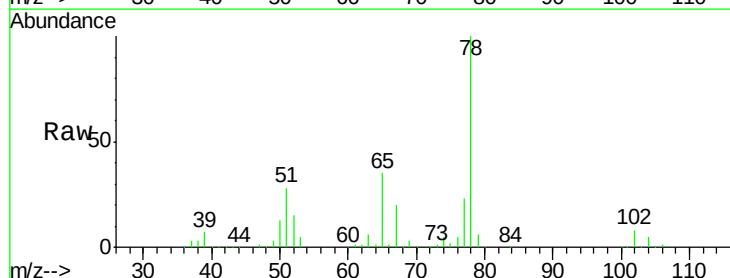


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

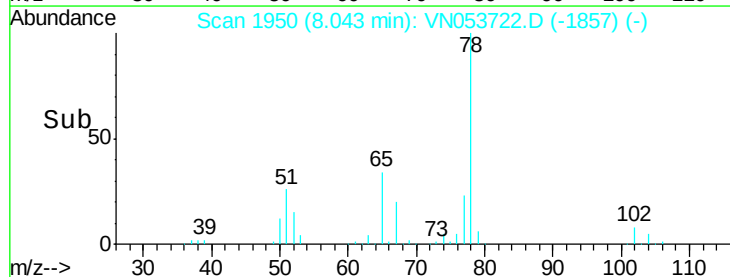
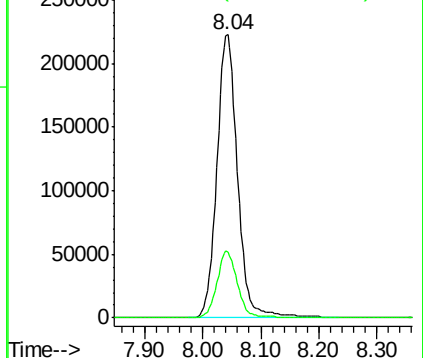


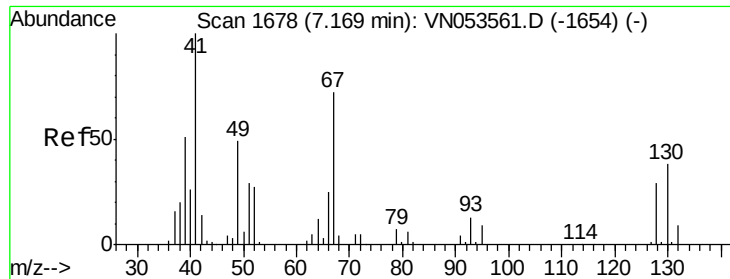
#40
Benzene
Concen: 19.319 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 78 Resp: 550297
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 20.186 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

Tot Ion: 41 Resp: 58200

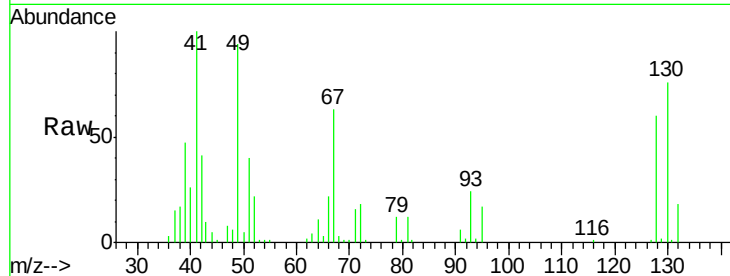
Ion Ratio Lower Upper

41 100

39 59.6 46.8 70.2

67 95.1 63.0 94.6#

52 36.1 23.8 35.8#



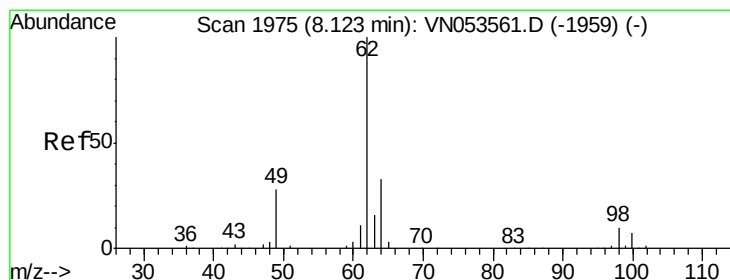
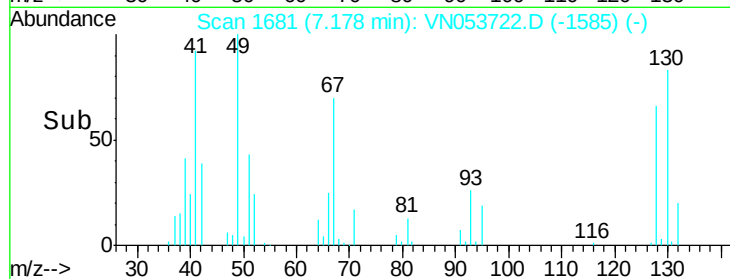
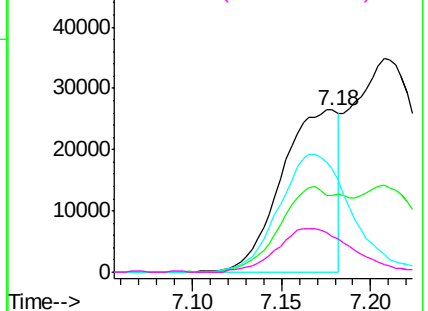
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.548 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053722.D

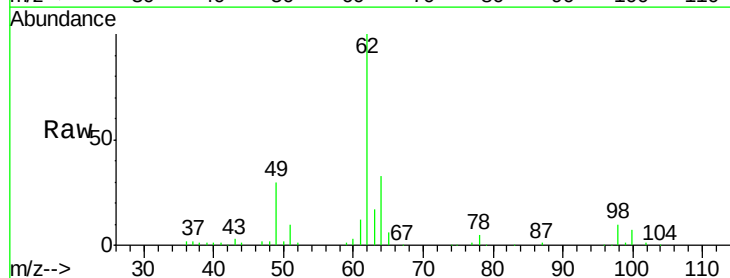
Acq: 12 Feb 2019 11:32

Tgt Ion: 62 Resp: 165330

Ion Ratio Lower Upper

62 100

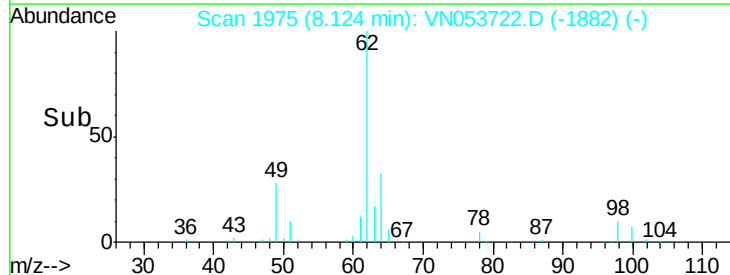
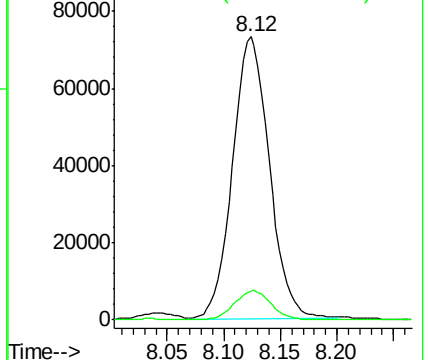
98 10.4 0.0 19.6

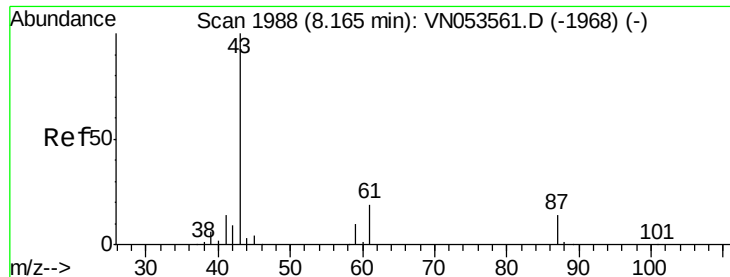


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.198 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

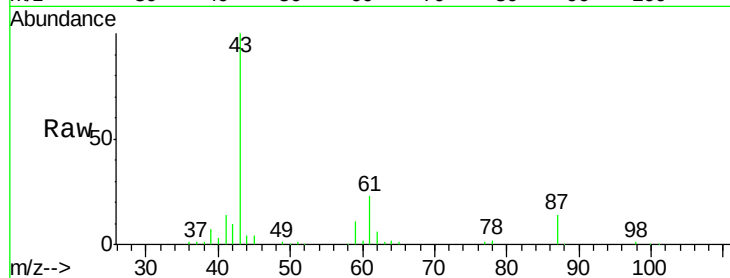
Tot Ion: 43 Resp: 191268

Ion Ratio Lower Upper

43 100

61 19.7 23.9 35.9#

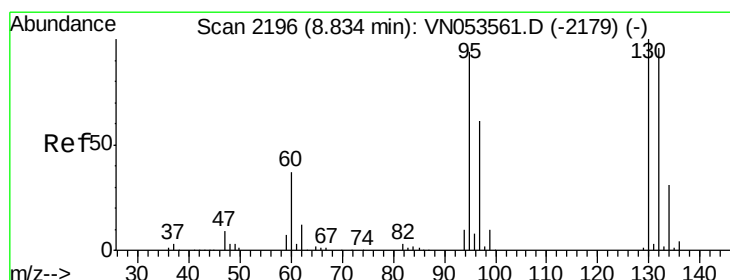
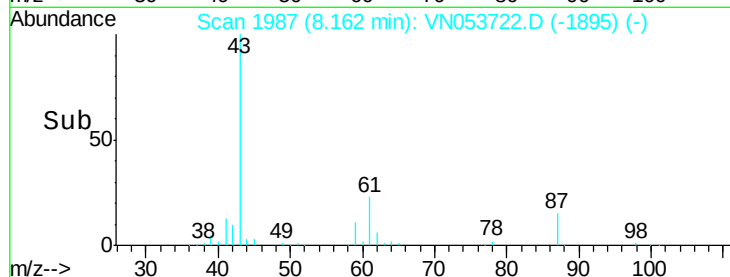
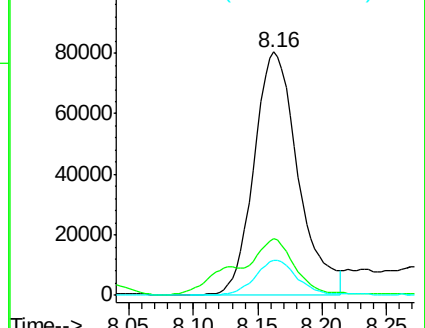
87 14.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.975 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053722.D

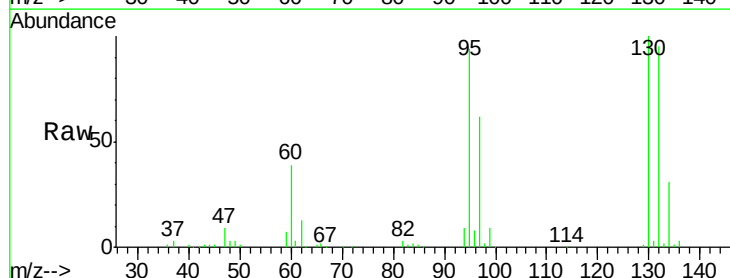
Acq: 12 Feb 2019 11:32

Tgt Ion:130 Resp: 153875

Ion Ratio Lower Upper

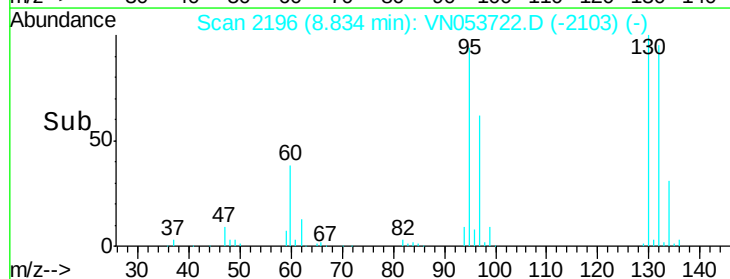
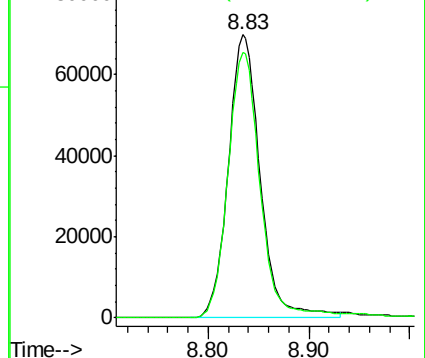
130 100

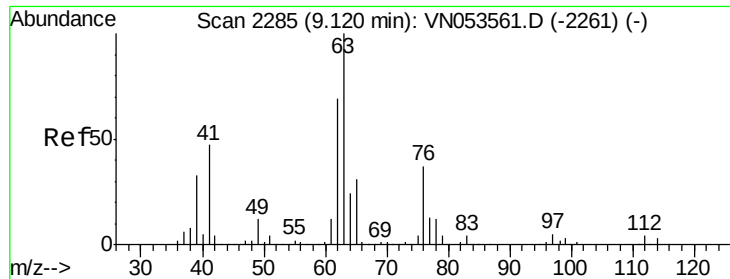
95 93.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.993 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

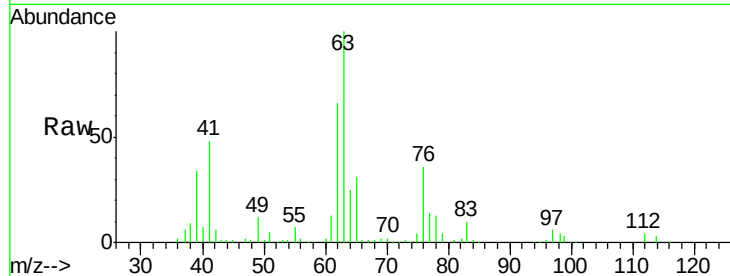
VN0212WBS01

Tot Ion: 63 Resp: 145655

Ion Ratio Lower Upper

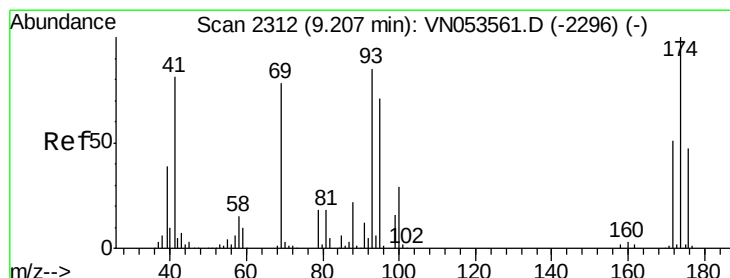
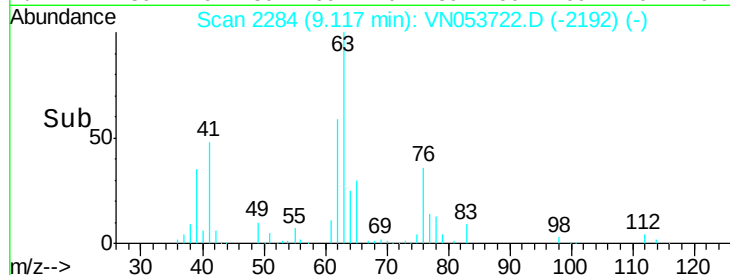
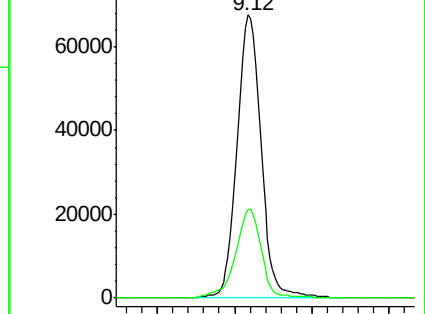
63 100

65 31.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.850 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

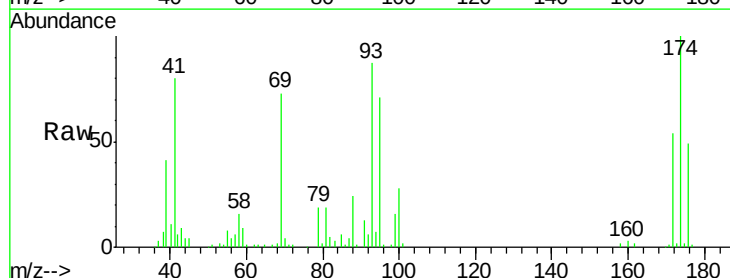
Tgt Ion: 93 Resp: 87176

Ion Ratio Lower Upper

93 100

95 81.9 67.3 100.9

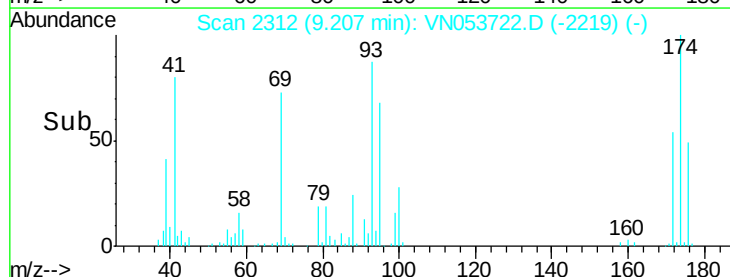
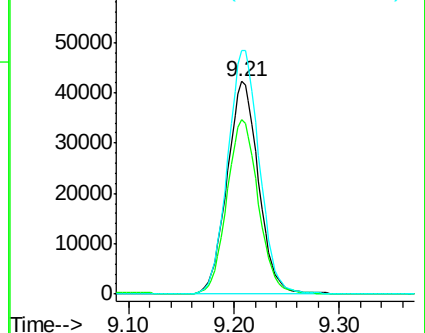
174 115.6 91.0 136.4

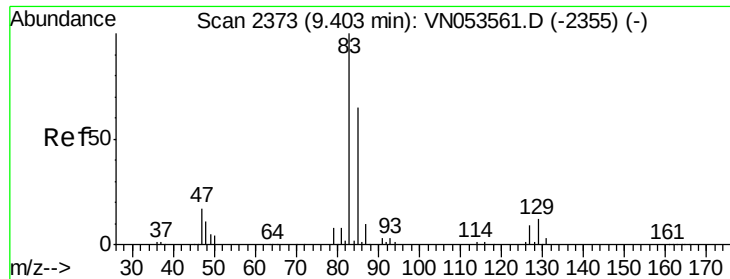


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.841 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

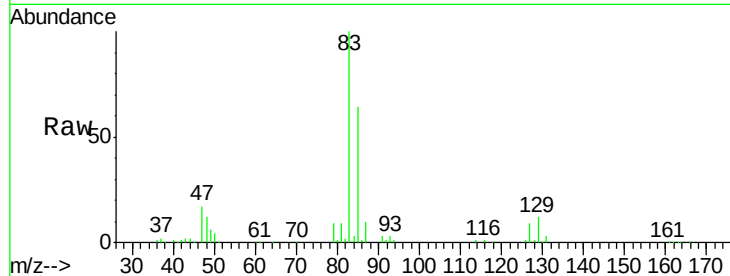
Tot Ion: 83 Resp: 181174

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.6

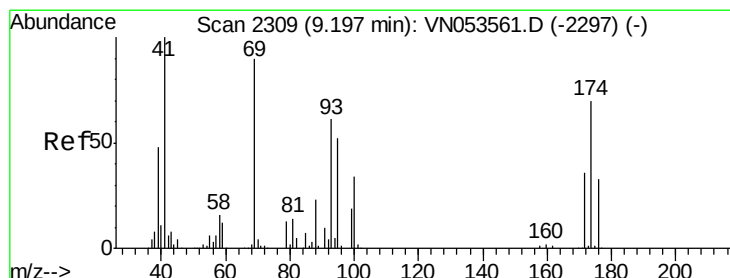
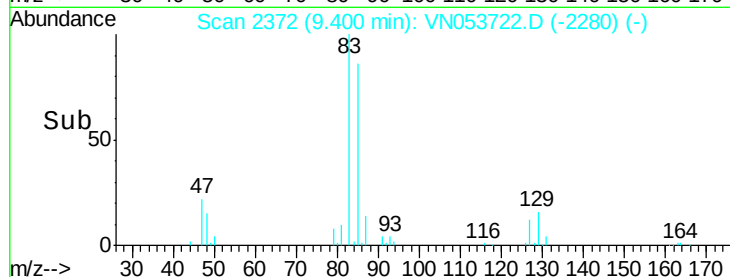
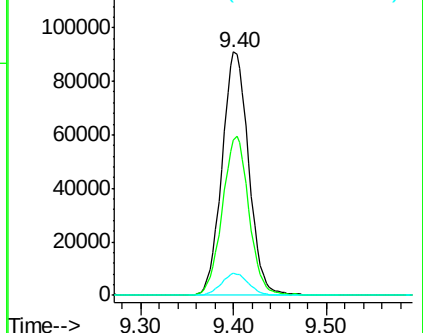
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053722.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053722.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053722.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.795 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

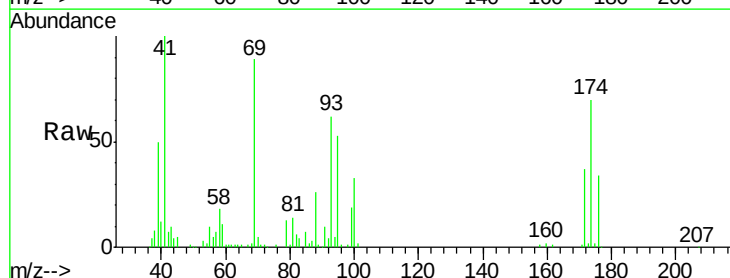
Tgt Ion: 41 Resp: 89381

Ion Ratio Lower Upper

41 100

69 98.5 73.8 110.6

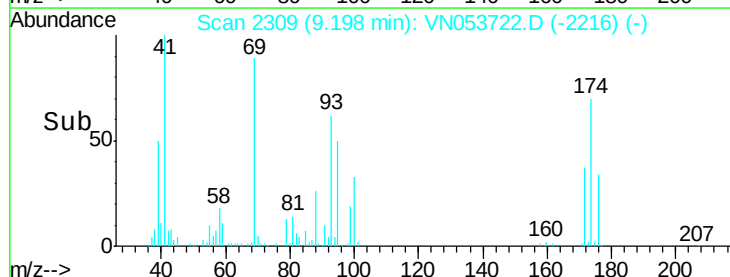
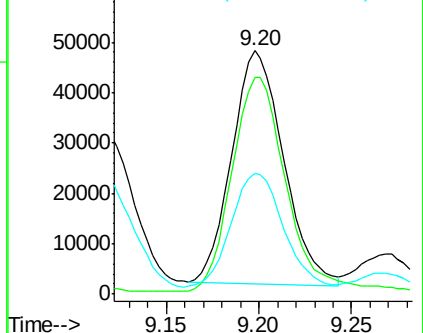
39 55.6 40.0 60.0

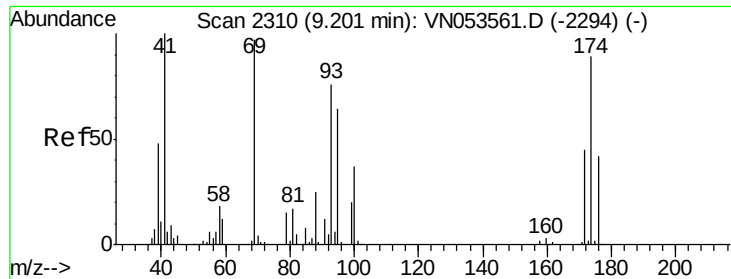


Abundance Ion 41.00 (40.70 to 41.70): VN053722.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053722.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053722.D (-2216) (-)





#49

1,4-Dioxane

Concen: 437.141 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

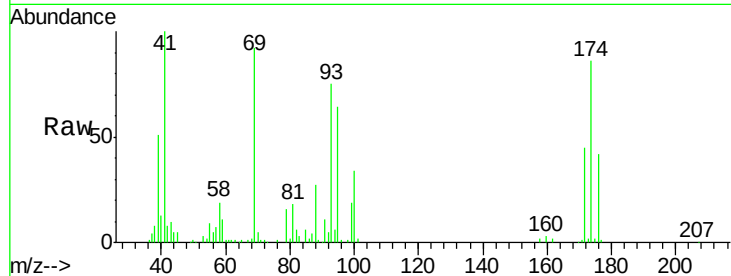
Tot Ion: 88 Resp: 28545

Ion Ratio Lower Upper

88 100

43 26.9 27.8 41.6#

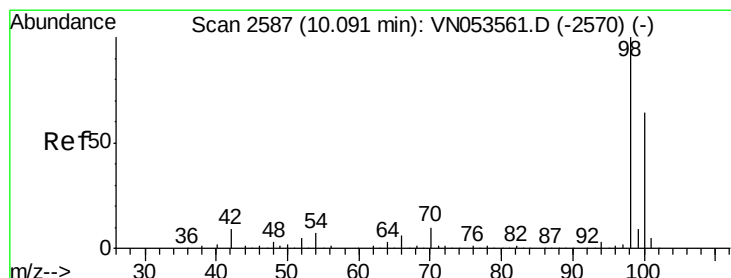
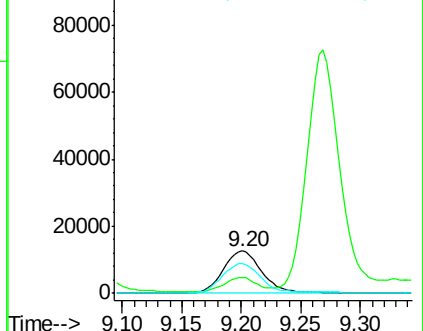
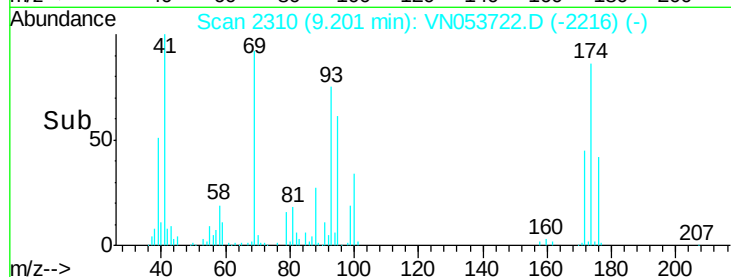
58 71.2 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053722.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053722.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053722.D (-2216) (-)



#50

Toluene-d8

Concen: 49.056 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053722.D

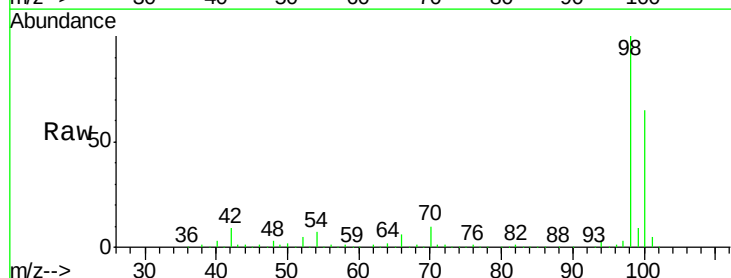
Acq: 12 Feb 2019 11:32

Tgt Ion: 98 Resp: 1192602

Ion Ratio Lower Upper

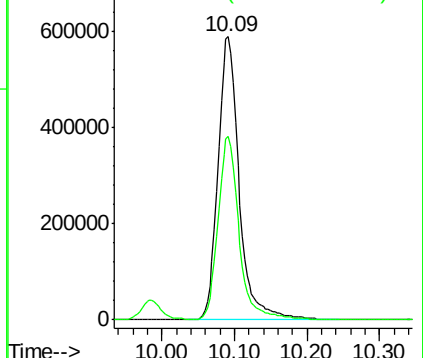
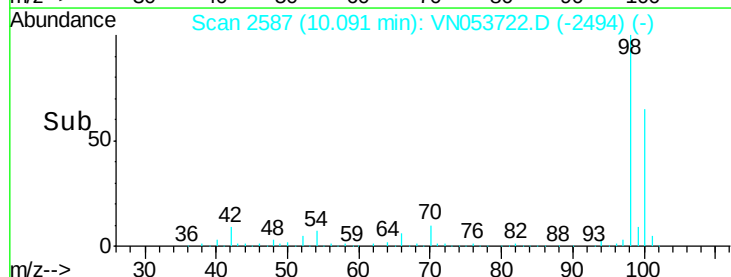
98 100

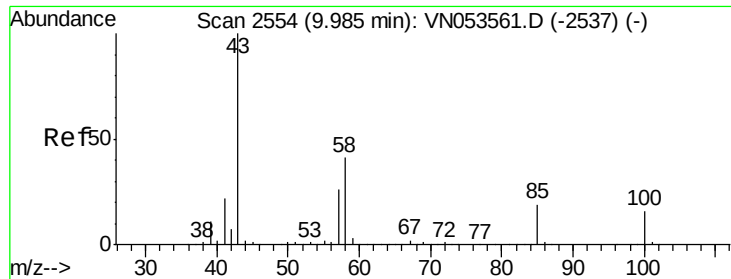
100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053722.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053722.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.423 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

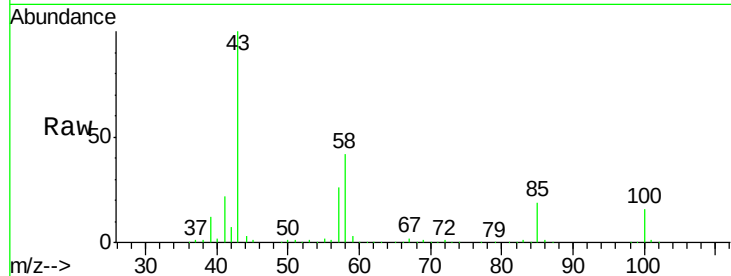
VN0212WBS01

Tot Ion: 43 Resp: 506333

Ion Ratio Lower Upper

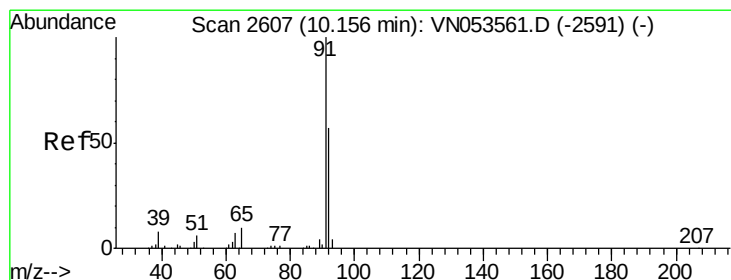
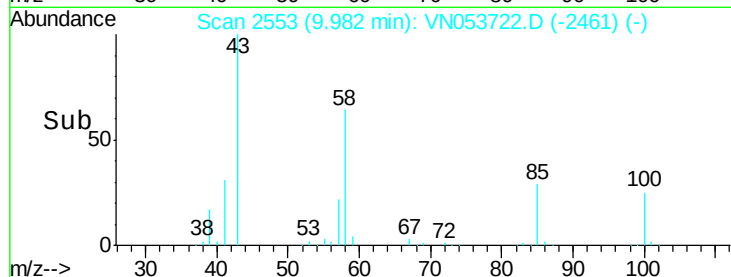
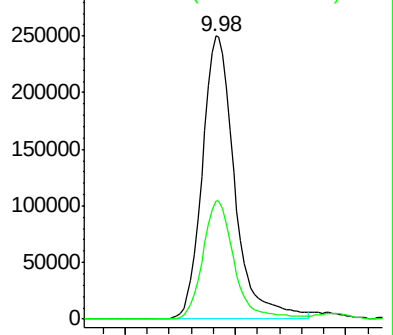
43 100

58 40.7 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.876 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053722.D

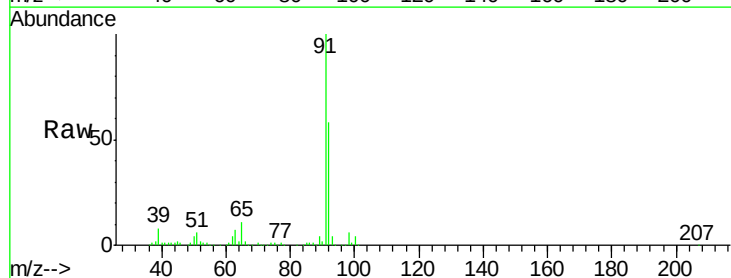
Acq: 12 Feb 2019 11:32

Tgt Ion: 92 Resp: 336004

Ion Ratio Lower Upper

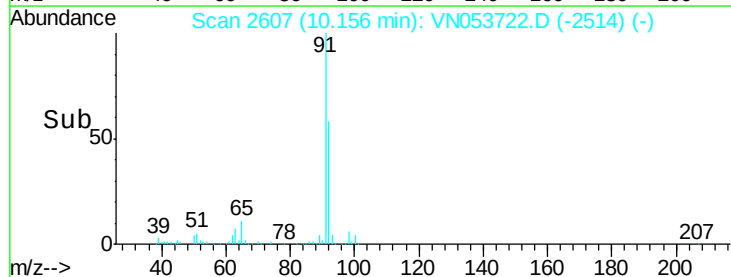
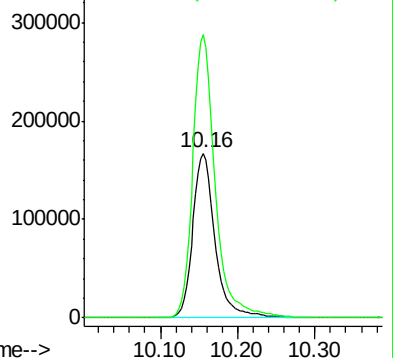
92 100

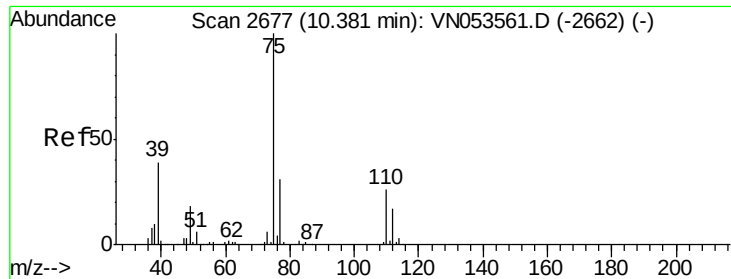
91 172.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.485 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

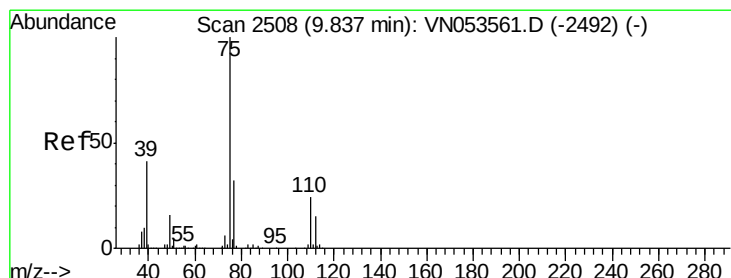
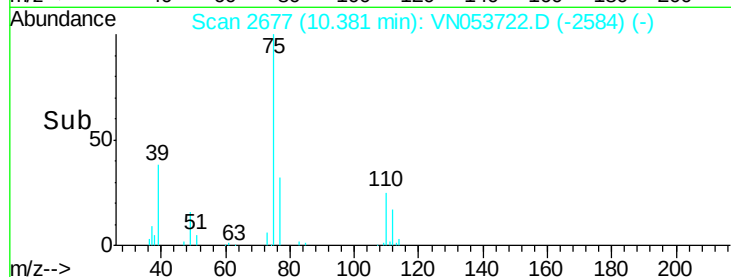
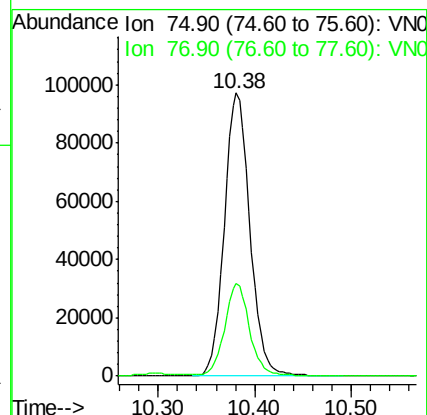
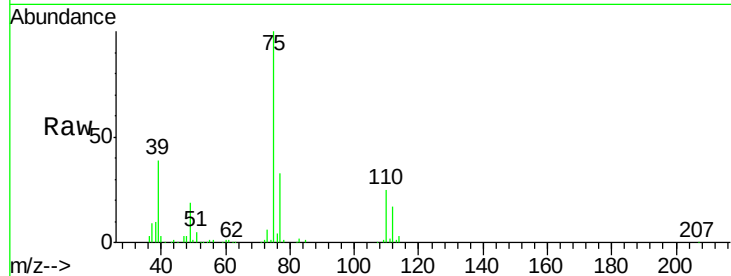
VN0212WBS01

Tot Ion: 75 Resp: 178166

Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.531 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

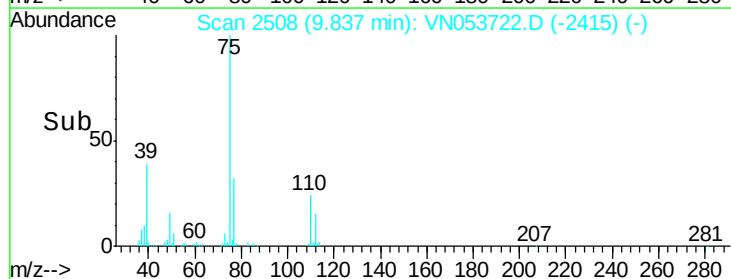
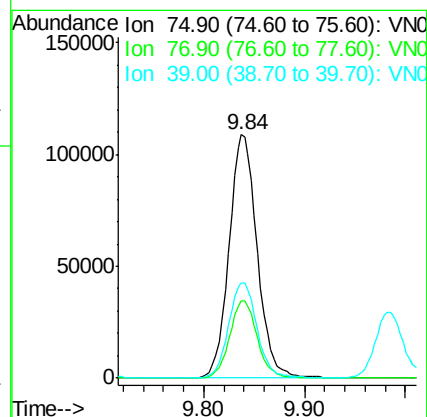
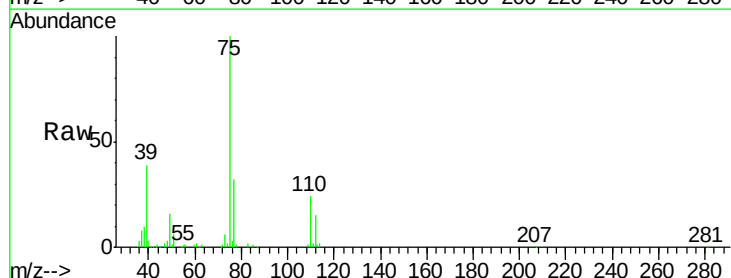
Tgt Ion: 75 Resp: 211622

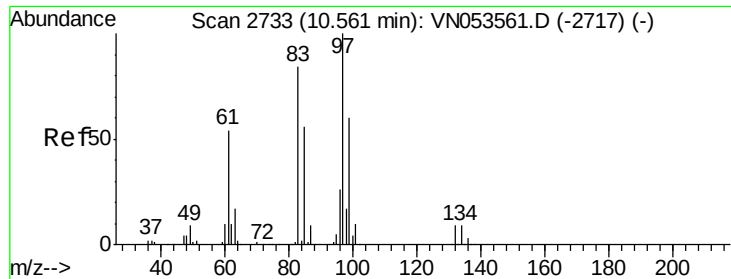
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 39.1 33.4 50.0

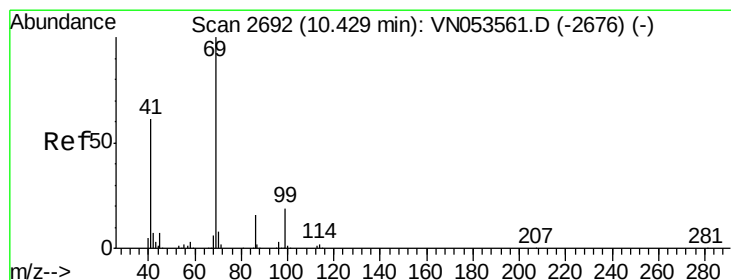
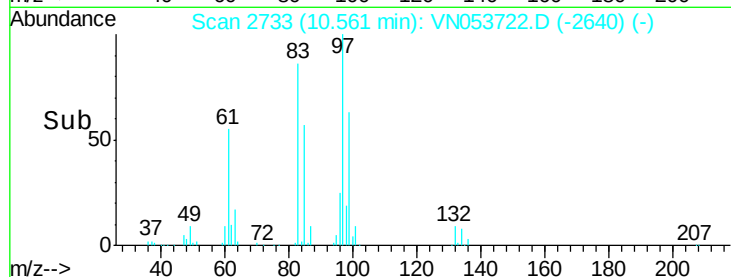
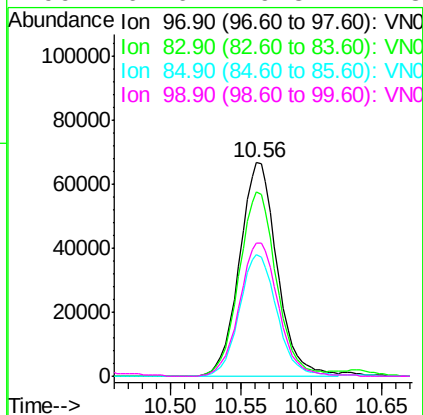
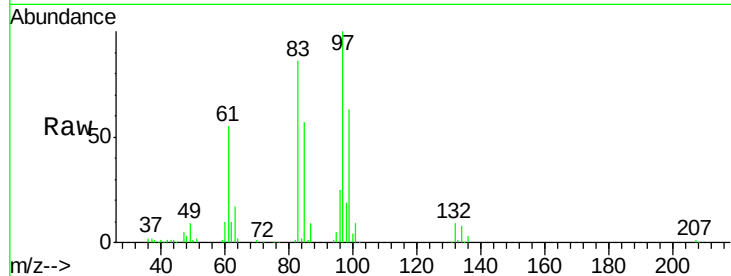




#55
 1,1,2-Trichloroethane
 Concen: 20.438 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

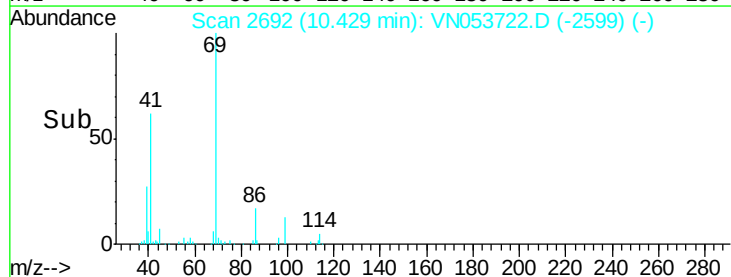
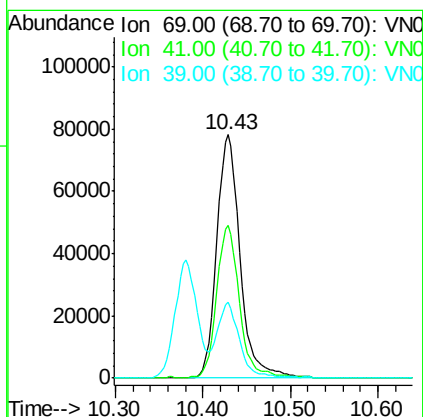
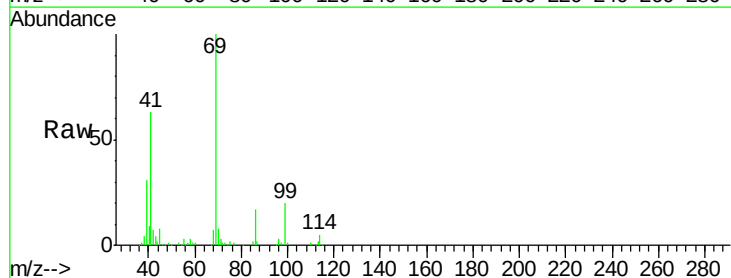
Instrument :
 MSVOA_N
 ClientSampled :
 VN0212WBS01

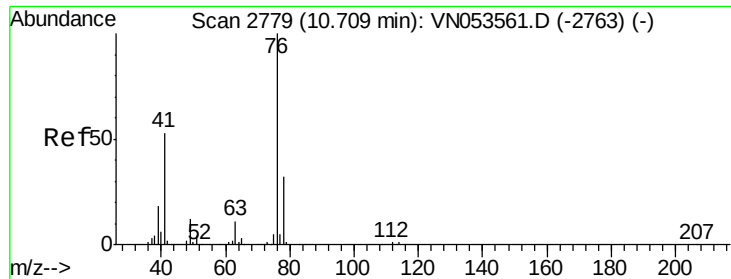
Tot Ion:	97	Resp:	124501
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.1	105.1
85	57.0	45.4	68.0
99	62.6	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 20.188 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion:	69	Resp:	145481
Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.4	74.0
39	29.5	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.164 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

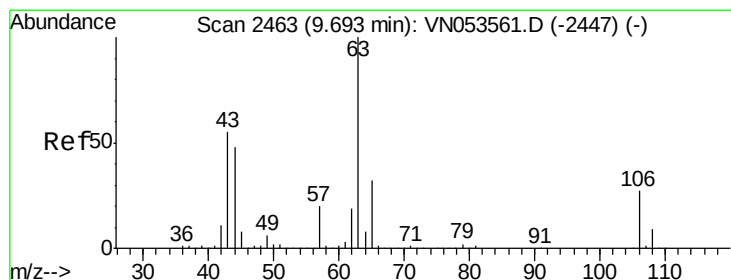
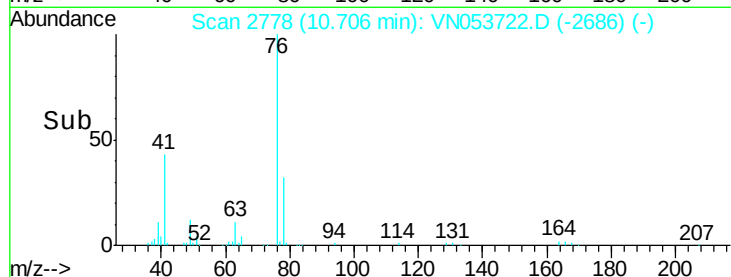
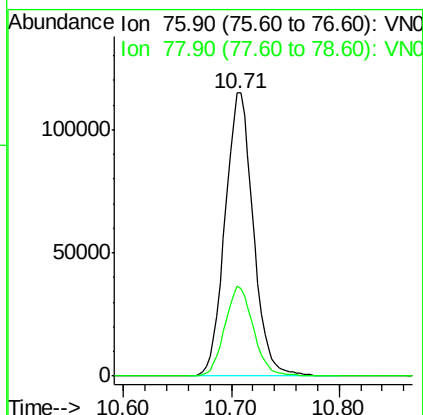
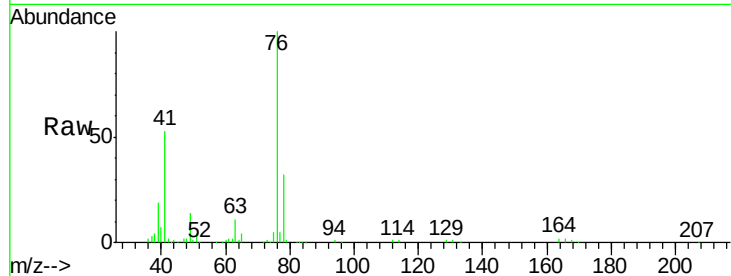
VN0212WBS01

Tot Ion: 76 Resp: 209928

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 82.899 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053722.D

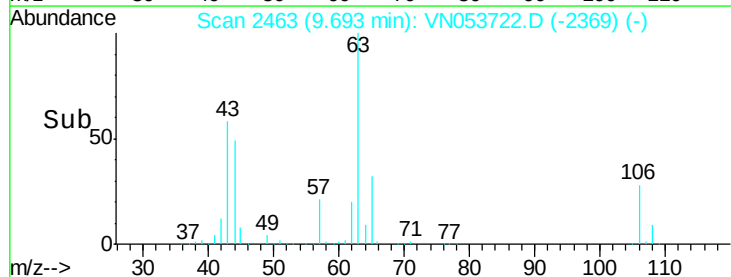
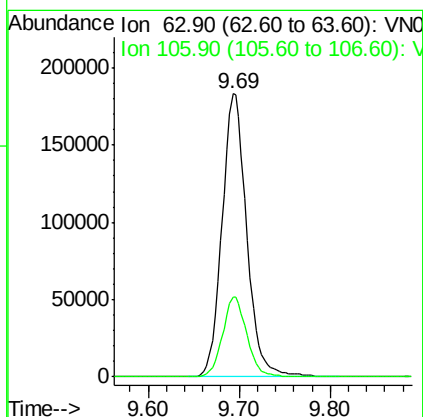
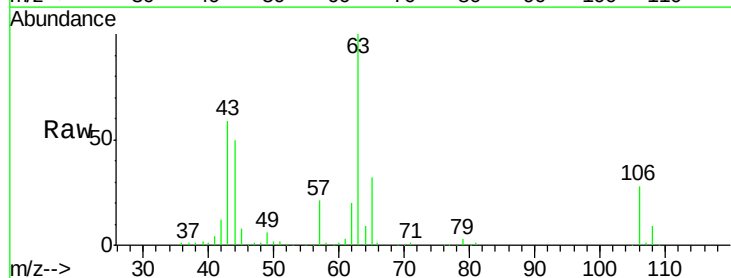
Acq: 12 Feb 2019 11:32

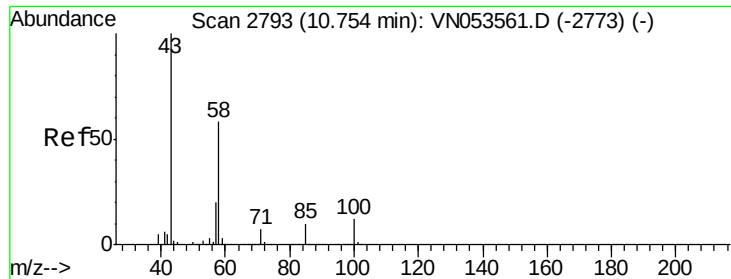
Tgt Ion: 63 Resp: 345777

Ion Ratio Lower Upper

63 100

106 27.7 21.5 32.3

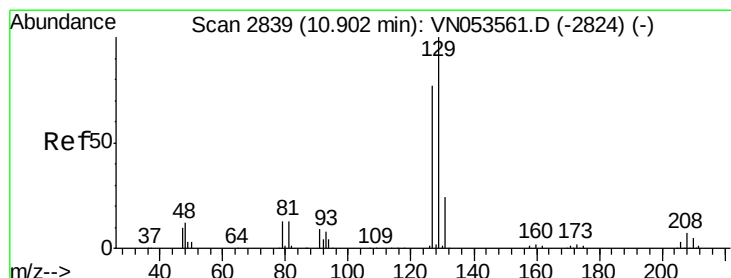
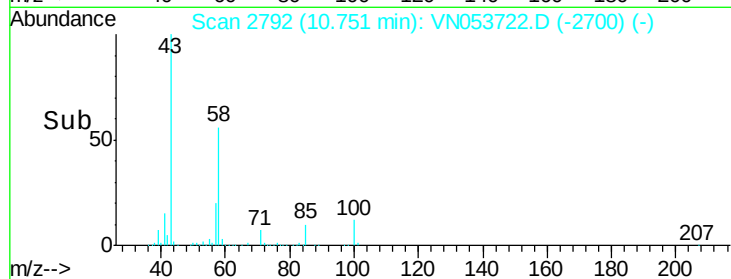
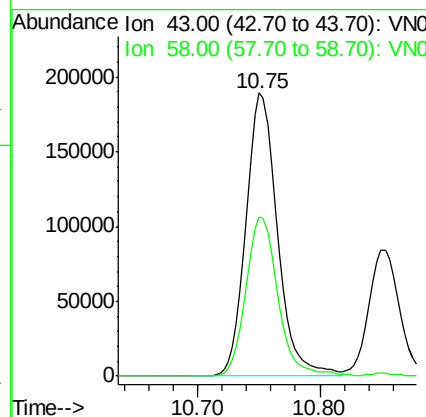
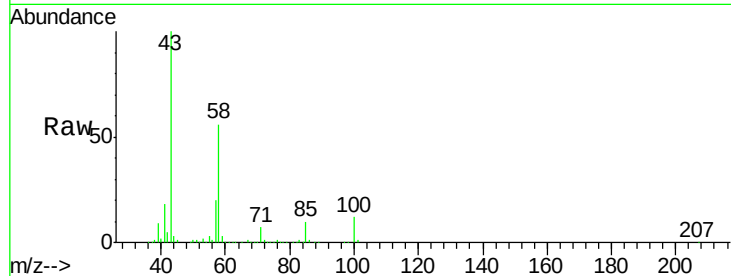




#59
2-Hexanone
Concen: 100.899 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

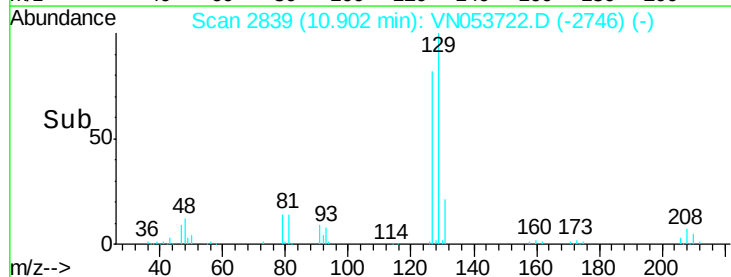
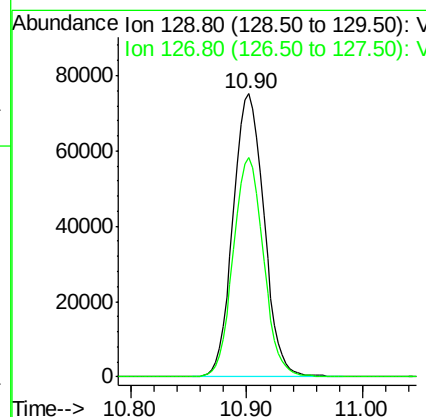
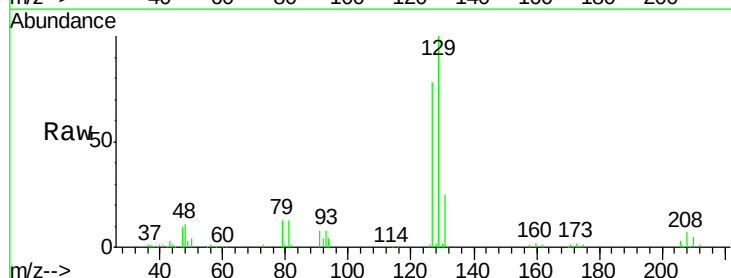
Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

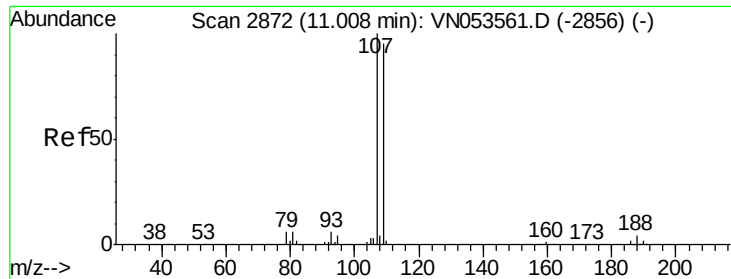
Tot Ion: 43 Resp: 335346
Ion Ratio Lower Upper
43 100
58 57.2 28.6 85.8



#60
Dibromochloromethane
Concen: 20.335 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 129 Resp: 139686
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.673 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

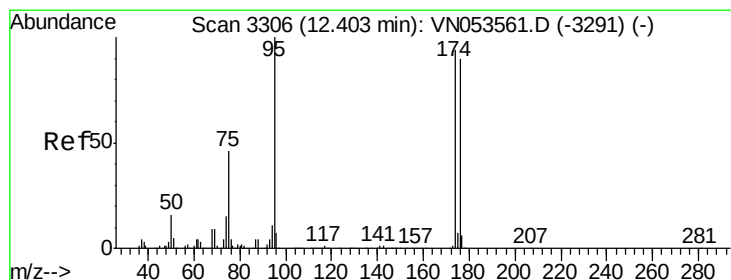
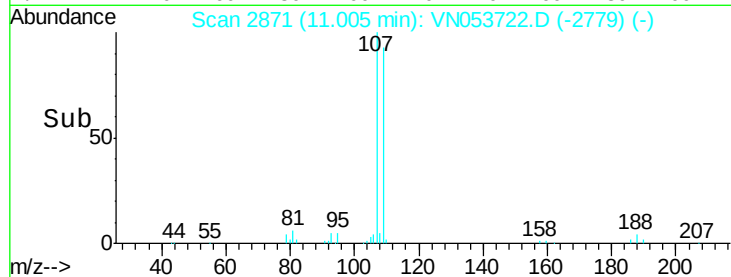
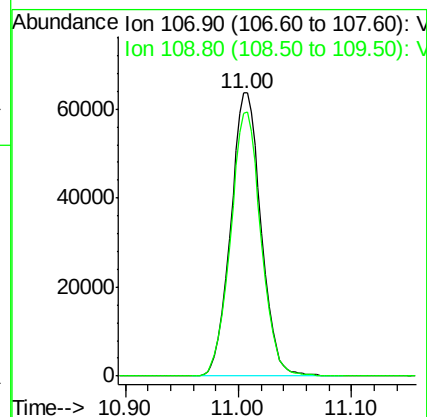
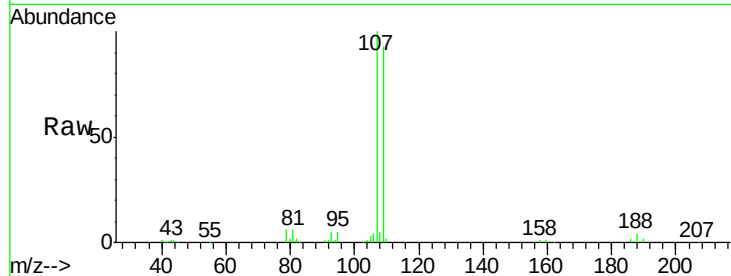
VN0212WBS01

Tot Ion:107 Resp: 118615

Ion Ratio Lower Upper

107 100

109 93.6 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 49.216 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

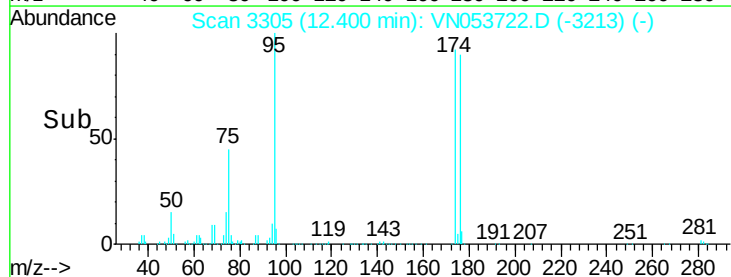
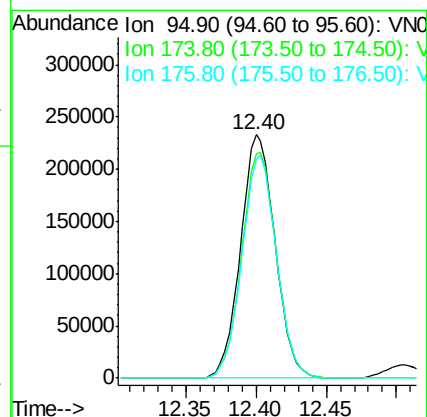
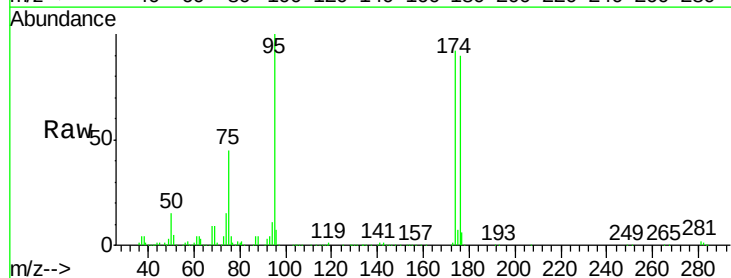
Tgt Ion: 95 Resp: 399050

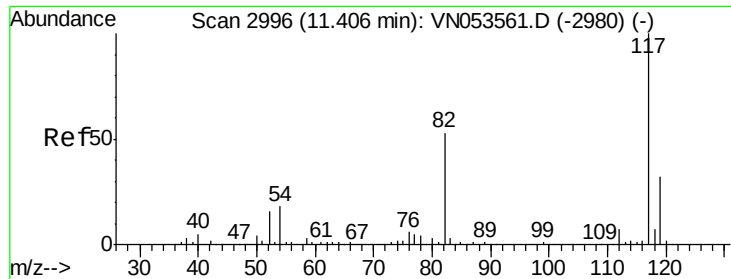
Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.2

176 91.8 0.0 177.4

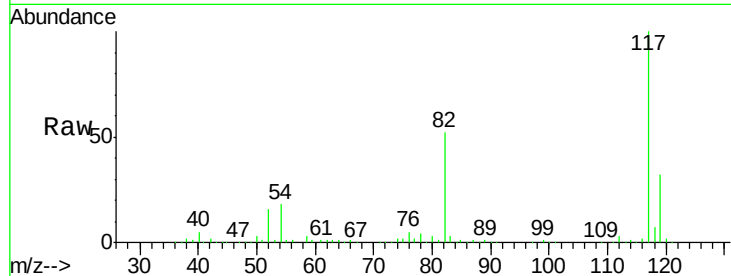




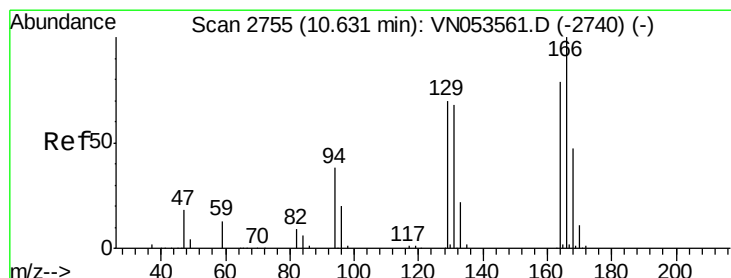
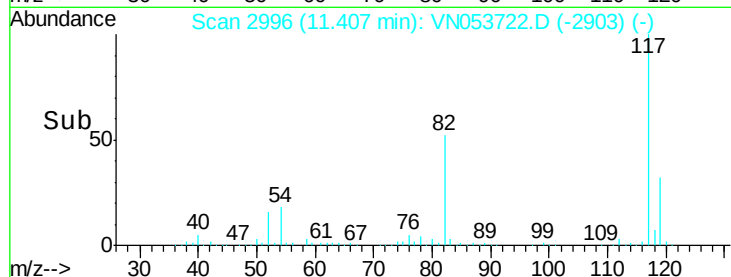
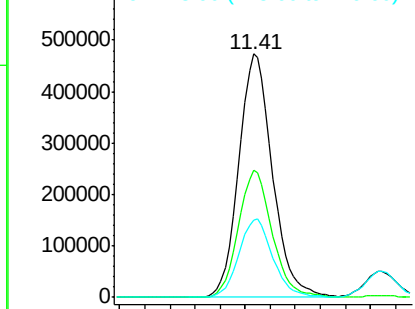
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion:117 Resp: 884592
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.0 26.0 39.0

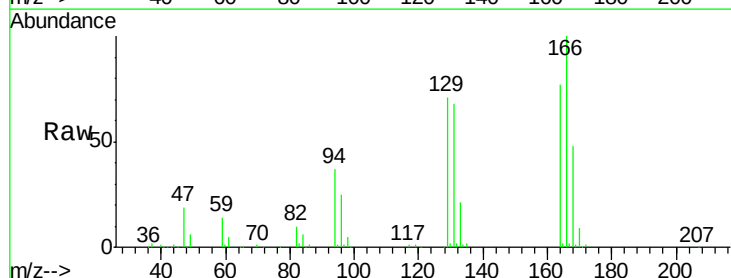


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

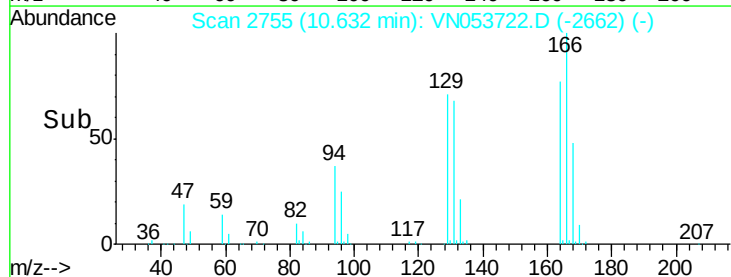
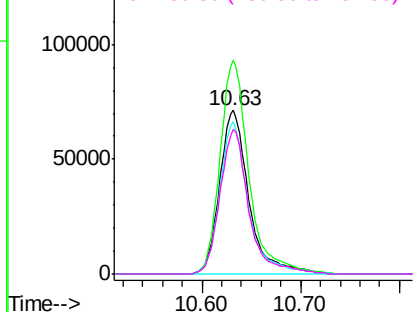


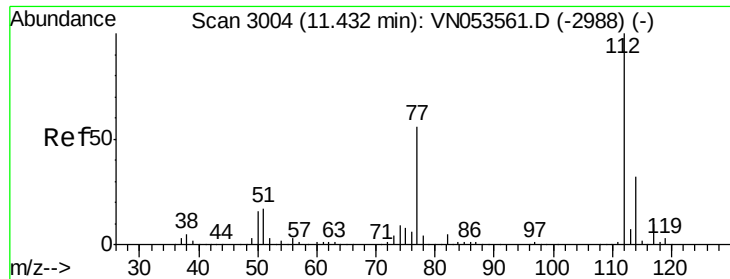
#64
Tetrachloroethene
Concen: 19.570 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion:164 Resp: 148398
Ion Ratio Lower Upper
164 100
166 130.4 102.2 153.4
129 92.7 72.6 109.0
131 88.7 69.5 104.3



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

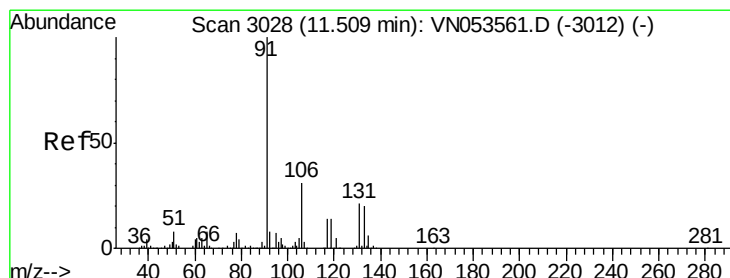
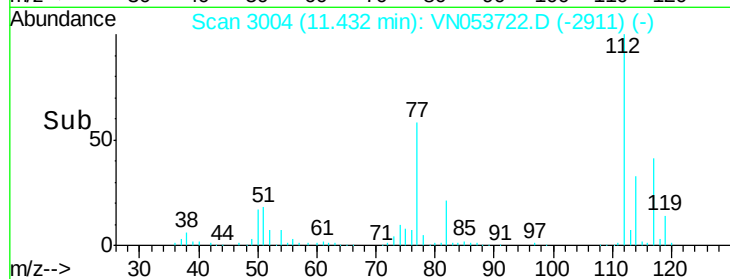
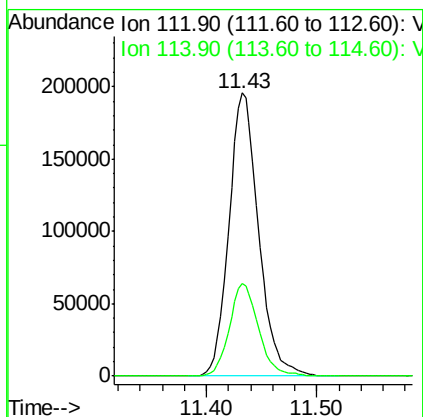
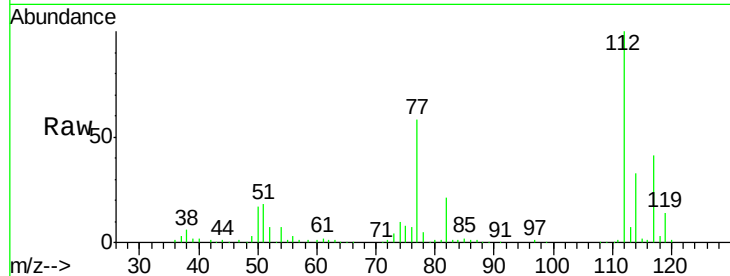




#65
Chlorobenzene
Concen: 19.360 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

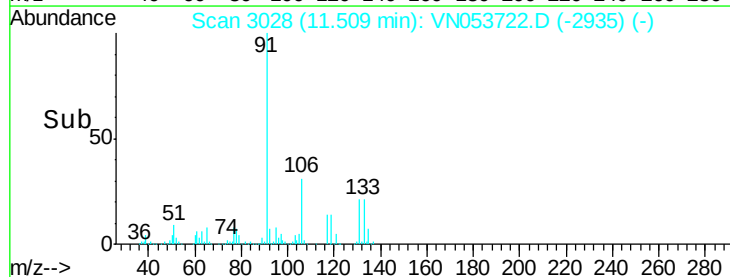
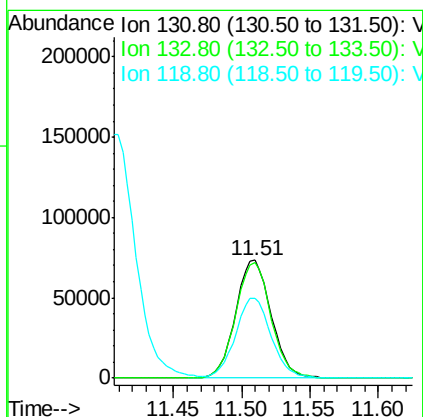
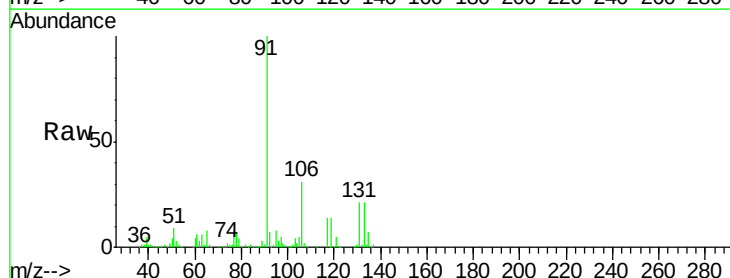
Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

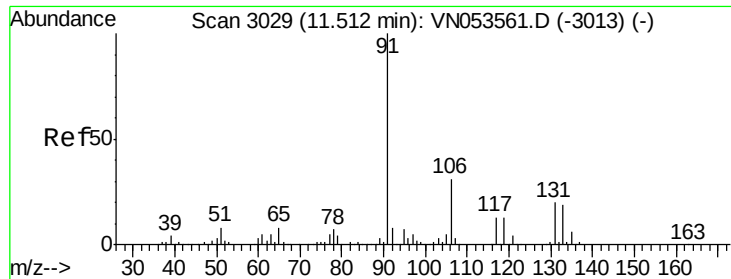
Tot Ion:112 Resp: 363761
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.256 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion:131 Resp: 132925
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 68.0 33.5 100.5

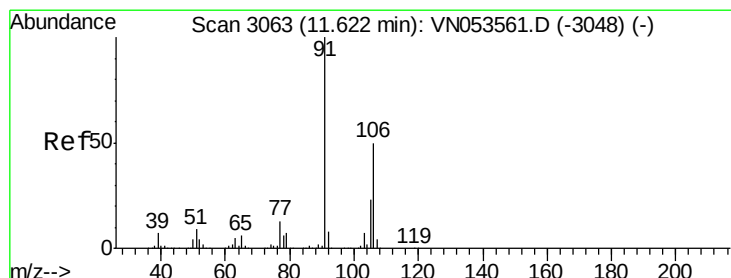
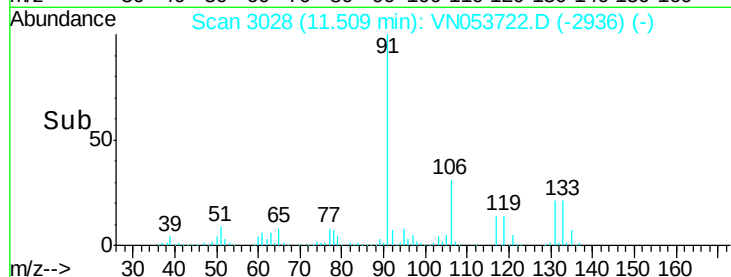
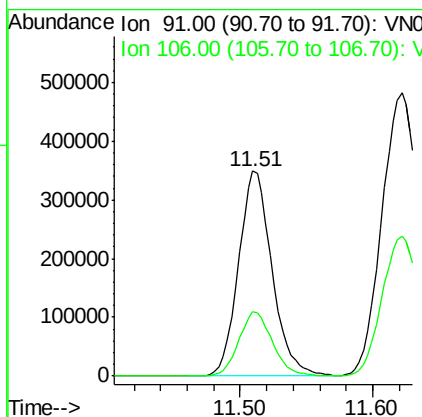
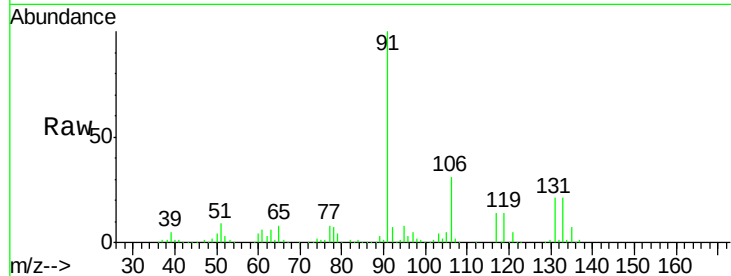




#67
Ethyl Benzene
Concen: 19.875 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

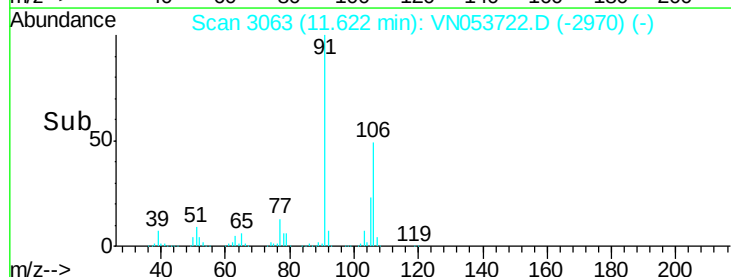
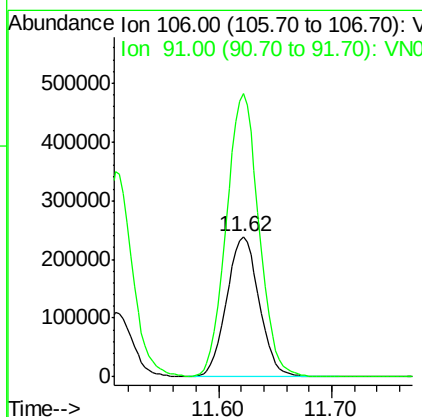
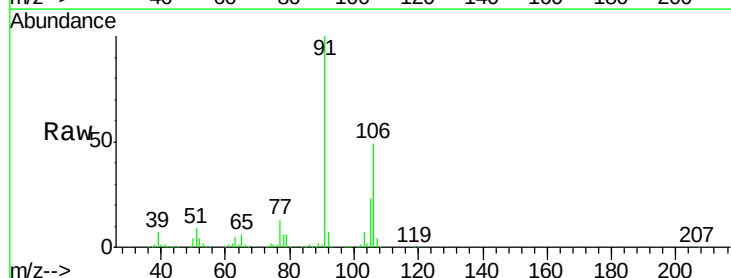
Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

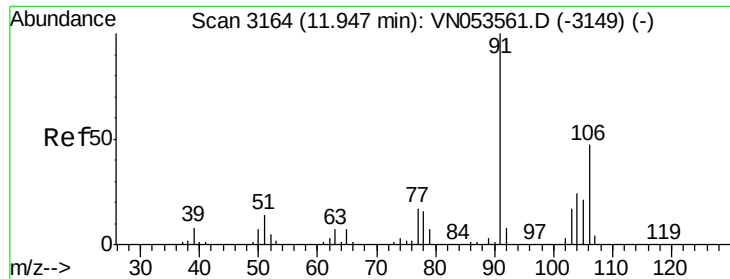
Tot Ion: 91 Resp: 613447
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 40.593 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 106 Resp: 478195
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2

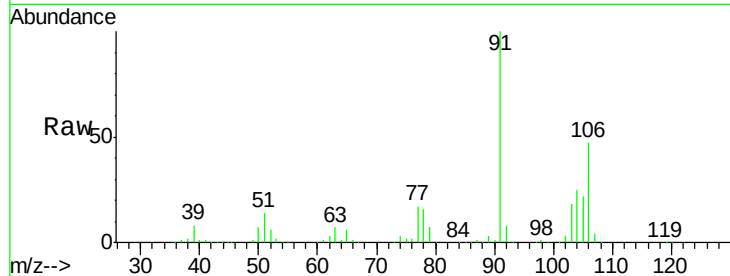




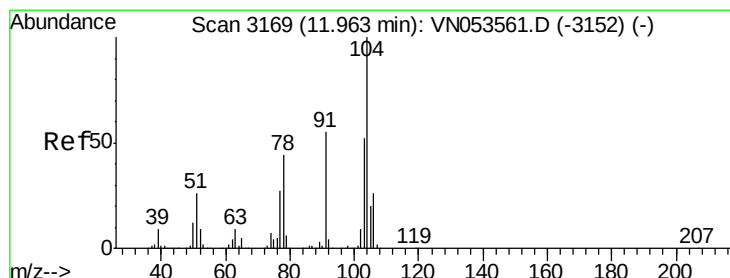
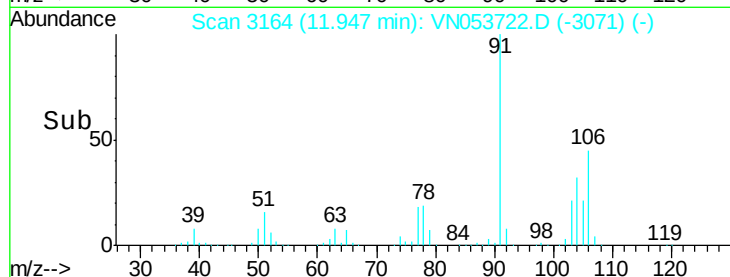
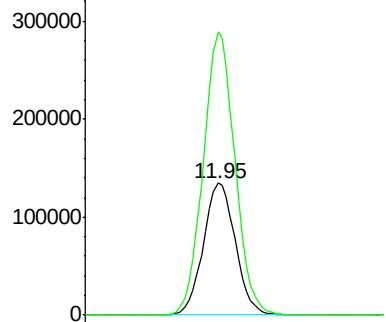
#69
o-Xylene
Concen: 20.347 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion:106 Resp: 231570
Ion Ratio Lower Upper
106 100
91 212.6 106.9 320.8

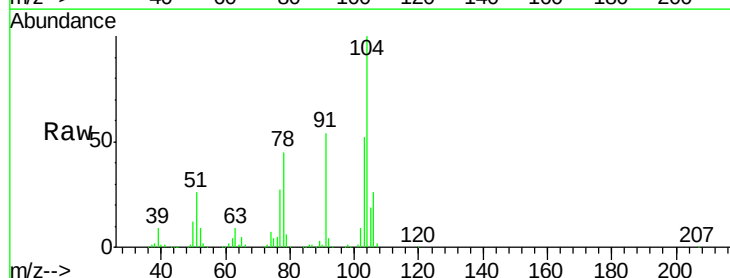


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

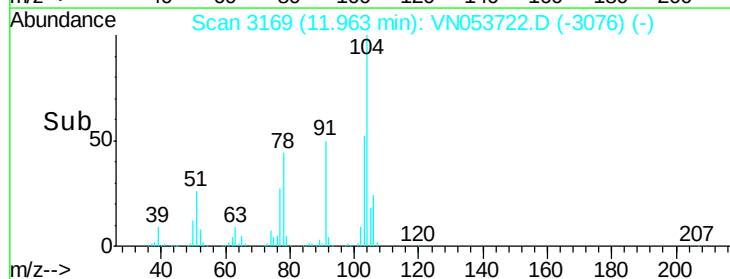
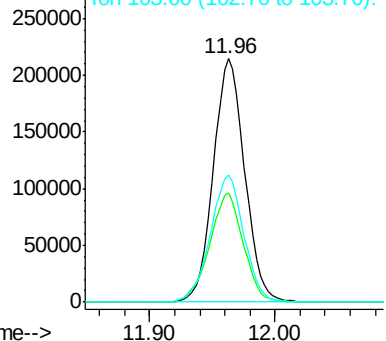


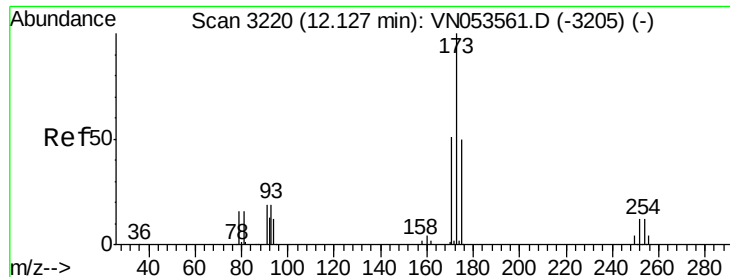
#70
Styrene
Concen: 20.261 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion:104 Resp: 373737
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.6 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.818 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

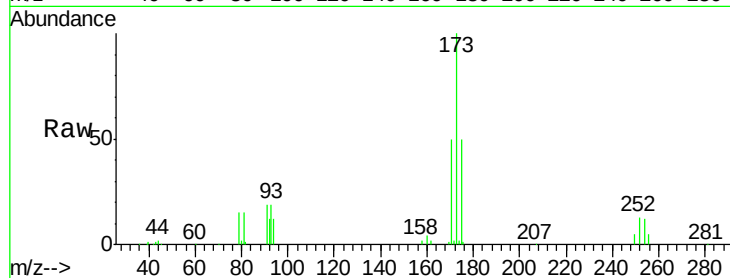
Tot Ion:173 Resp: 93658

Ion Ratio Lower Upper

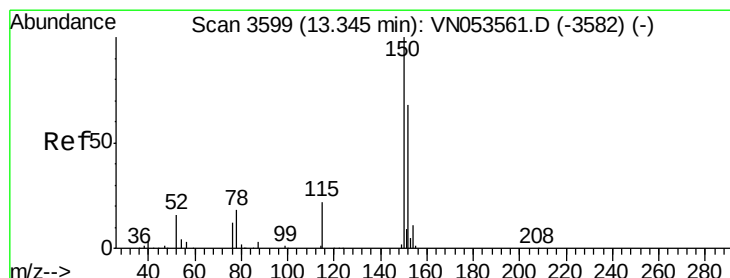
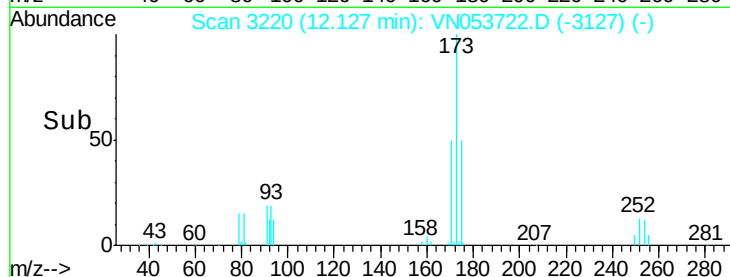
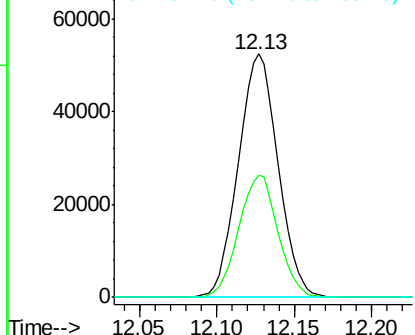
173 100

175 49.6 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

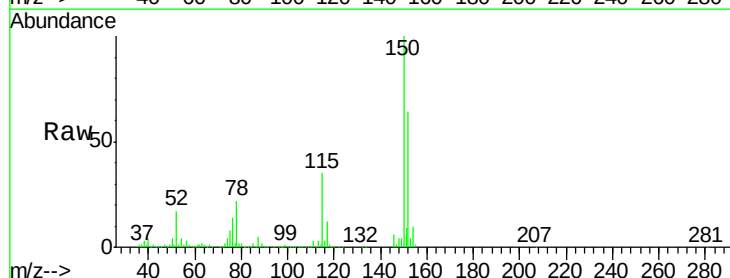
Tgt Ion:152 Resp: 425122

Ion Ratio Lower Upper

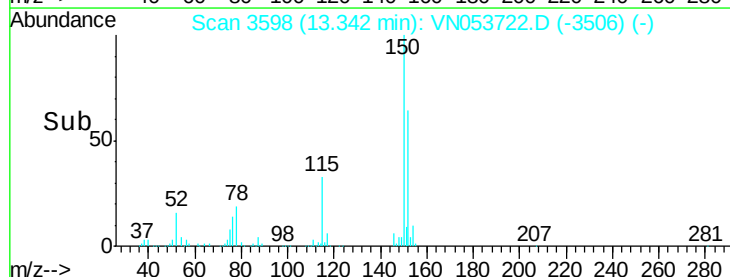
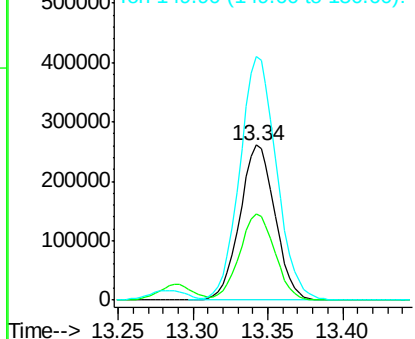
152 100

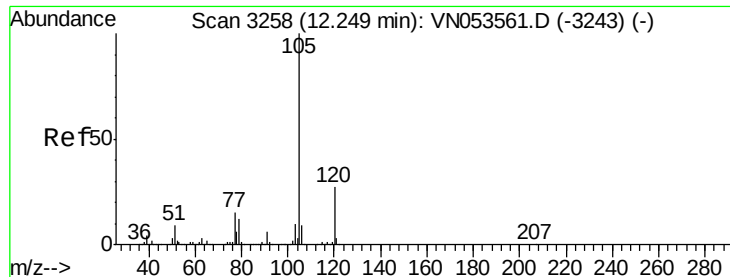
115 55.7 27.8 83.4

150 164.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.579 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

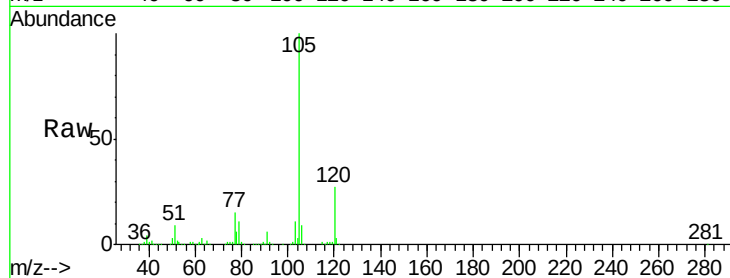
VN0212WBS01

Tot Ion:105 Resp: 615004

Ion Ratio Lower Upper

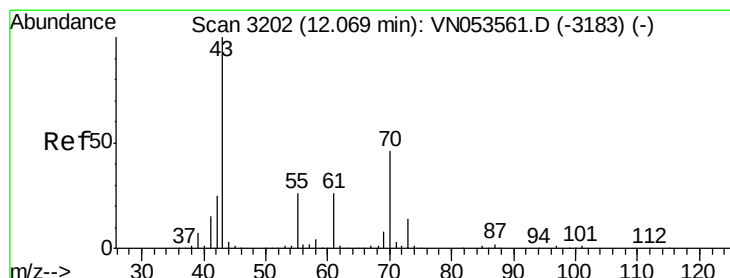
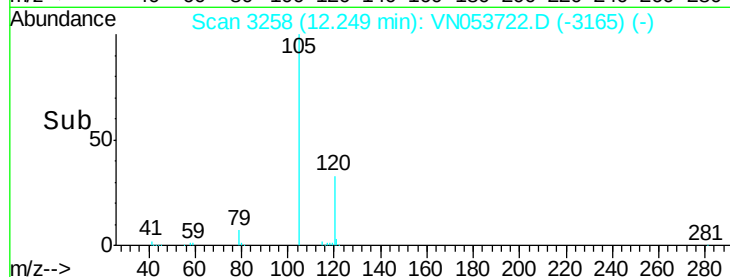
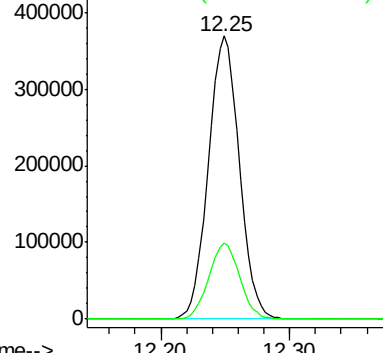
105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.475 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion: 43 Resp: 147144

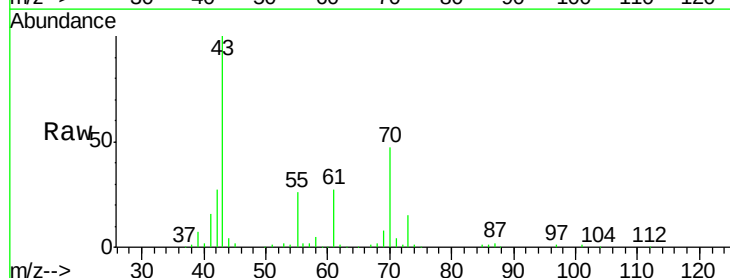
Ion Ratio Lower Upper

43 100

70 46.8 35.4 53.2

55 26.9 20.9 31.3

61 26.7 20.5 30.7

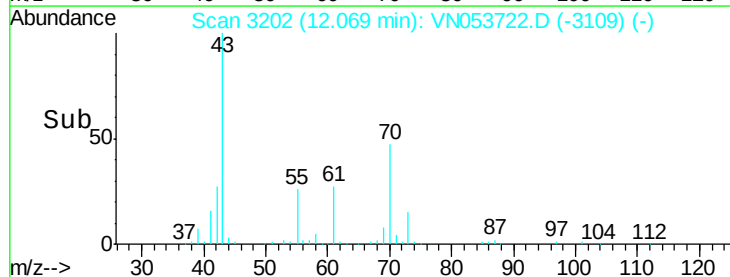
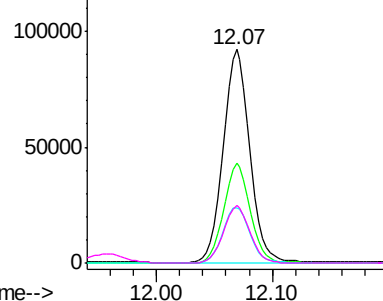


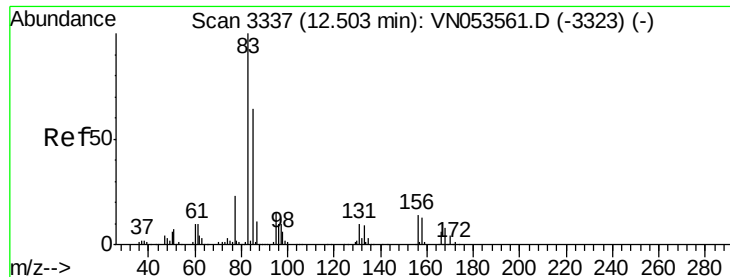
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.108 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

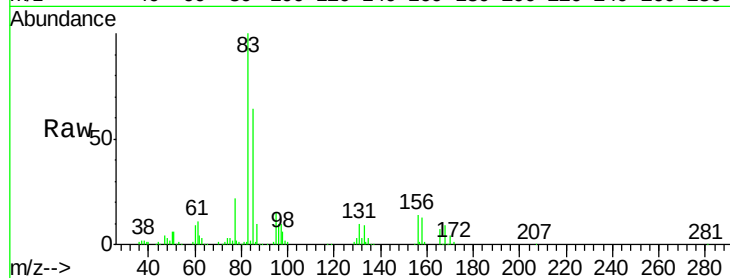
Tot Ion: 83 Resp: 143822

Ion Ratio Lower Upper

83 100

131 11.0 5.3 15.8

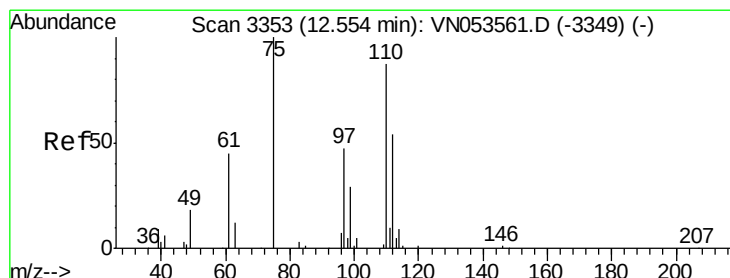
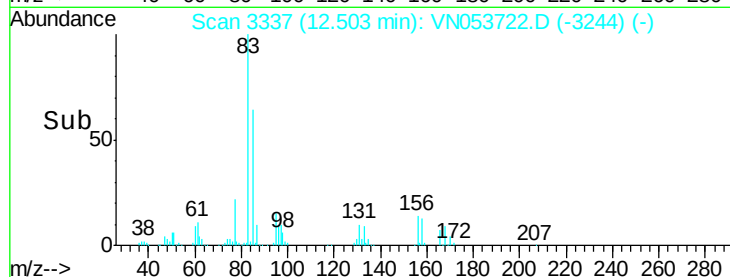
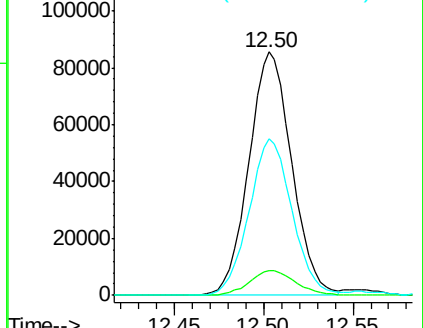
85 64.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.531 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053722.D

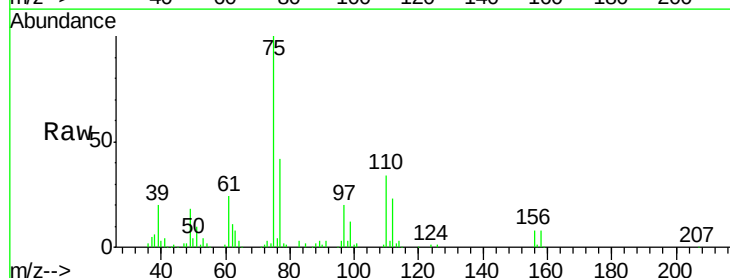
Acq: 12 Feb 2019 11:32

Tgt Ion: 75 Resp: 177633

Ion Ratio Lower Upper

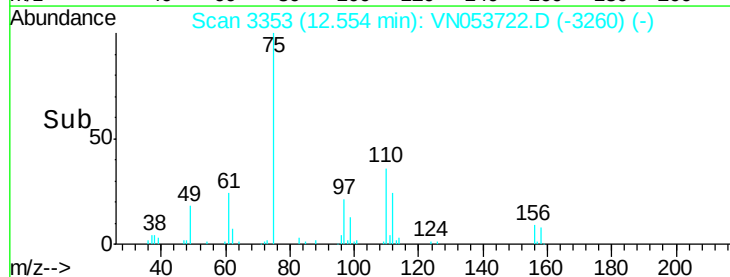
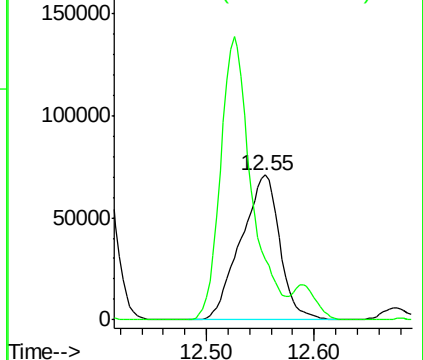
75 100

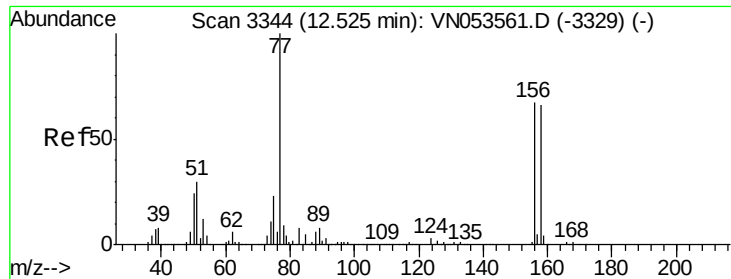
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.013 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

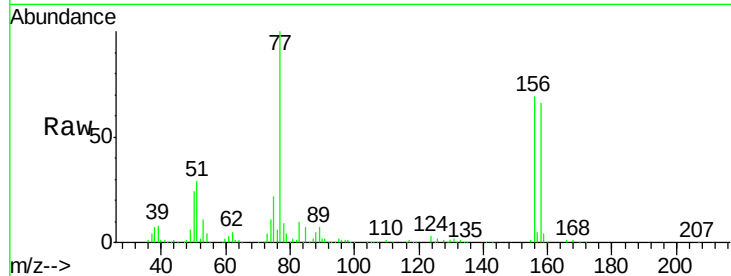
Tot Ion:156 Resp: 161189

Ion Ratio Lower Upper

156 100

77 171.9 87.9 263.8

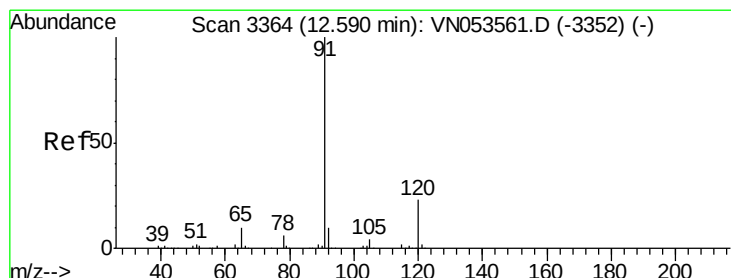
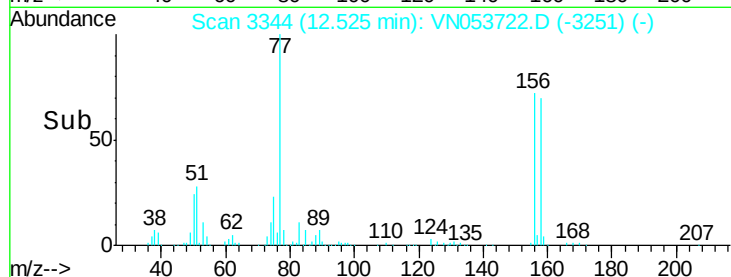
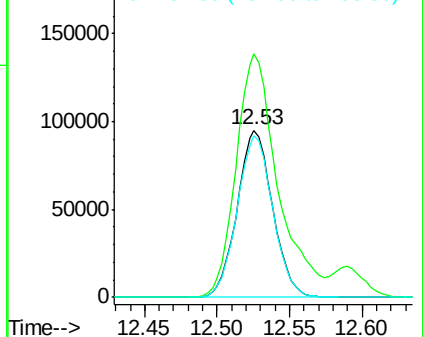
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.464 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053722.D

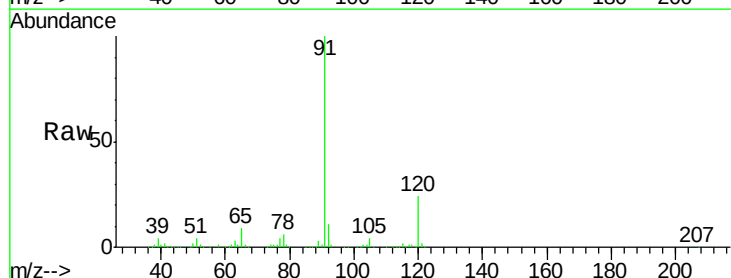
Acq: 12 Feb 2019 11:32

Tgt Ion: 91 Resp: 706992

Ion Ratio Lower Upper

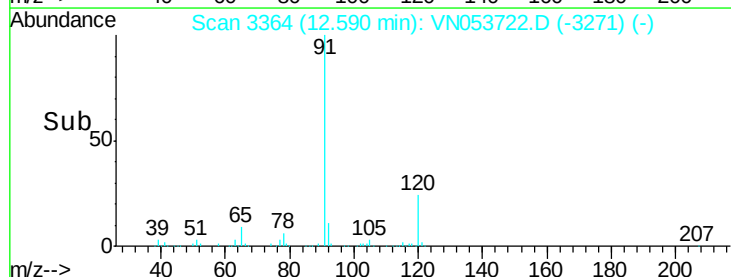
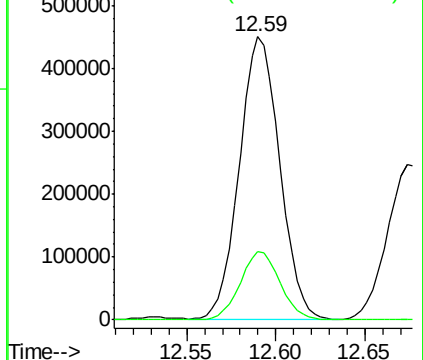
91 100

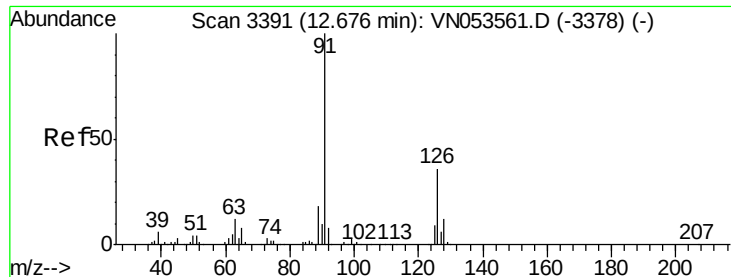
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.492 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

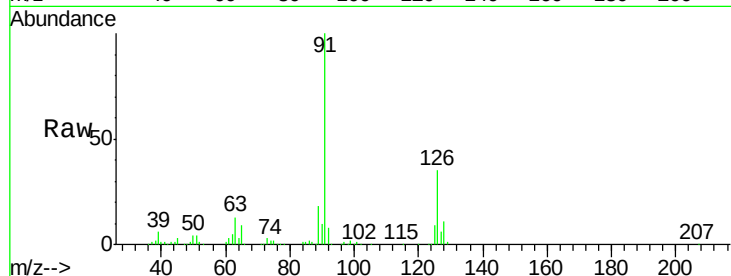
VN0212WBS01

Tot Ion: 91 Resp: 420011

Ion Ratio Lower Upper

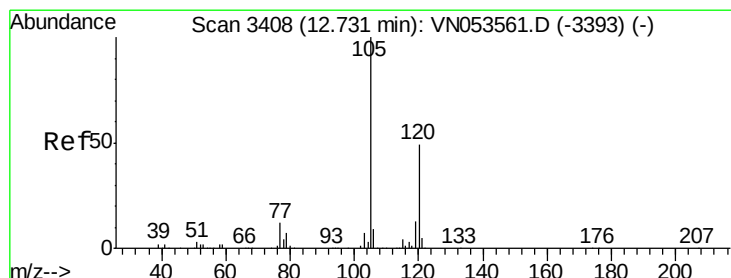
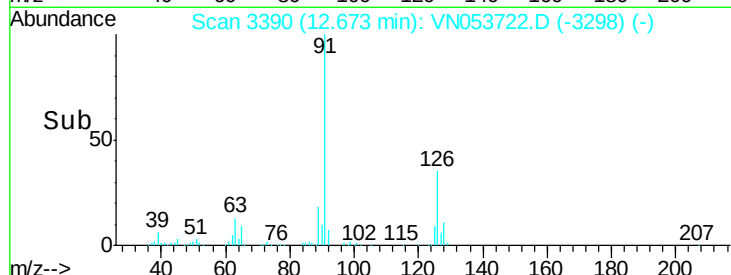
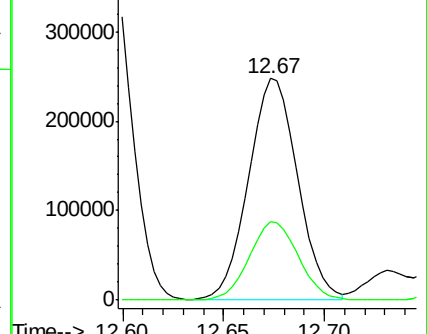
91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.287 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053722.D

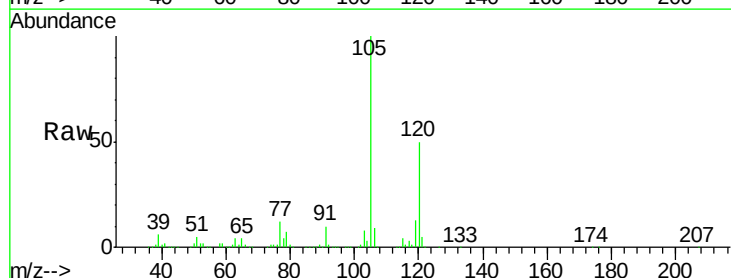
Acq: 12 Feb 2019 11:32

Tgt Ion:105 Resp: 527549

Ion Ratio Lower Upper

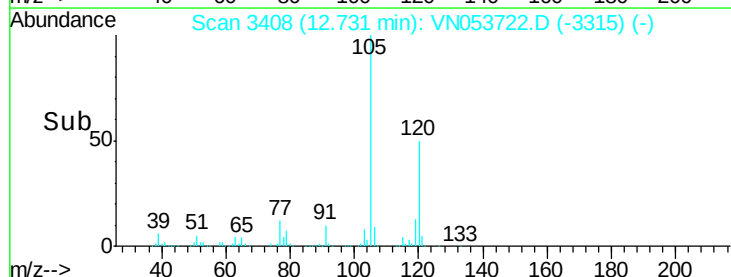
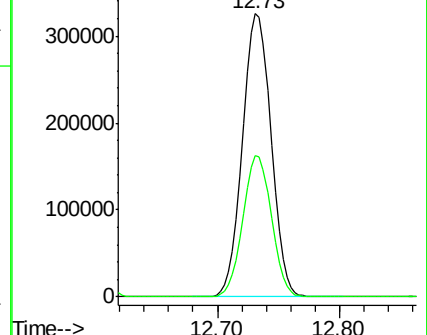
105 100

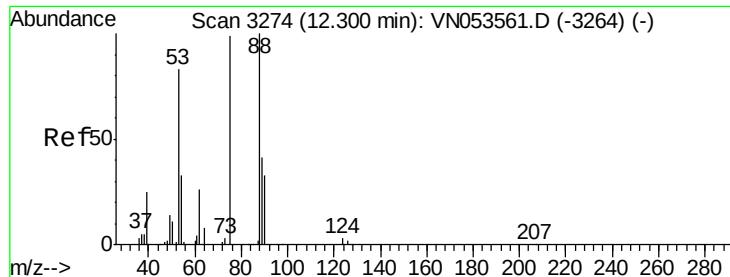
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.034 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

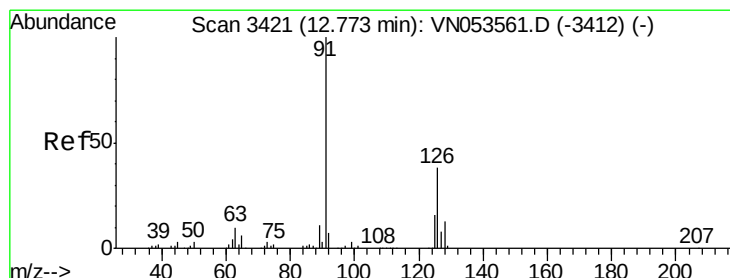
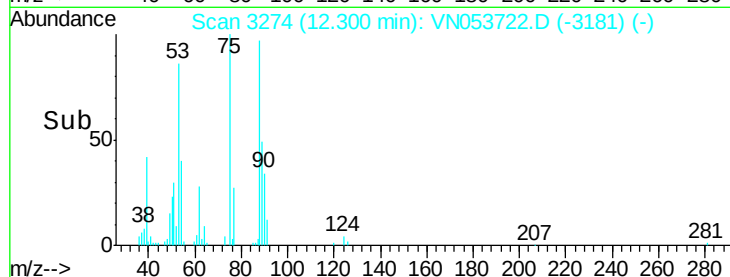
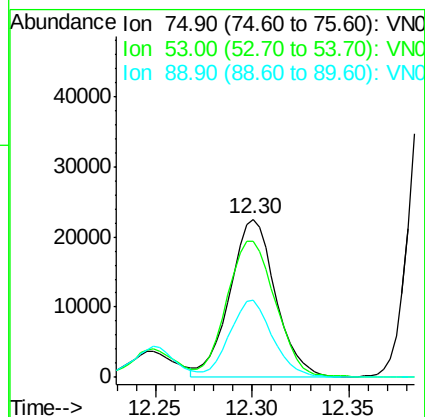
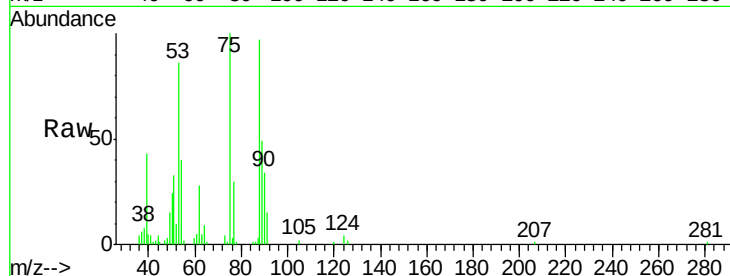
Tot Ion: 75 Resp: 36961

Ion Ratio Lower Upper

75 100

53 91.8 69.8 104.6

89 46.1 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.085 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053722.D

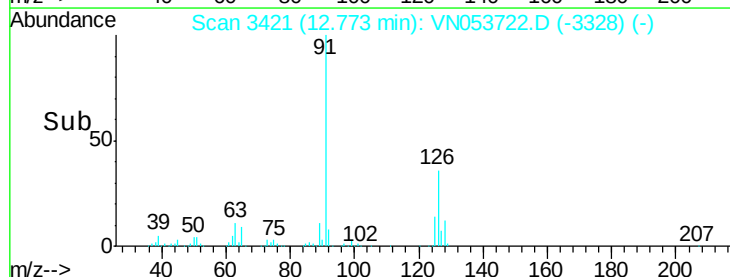
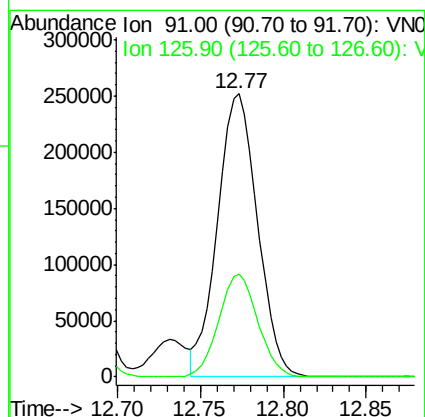
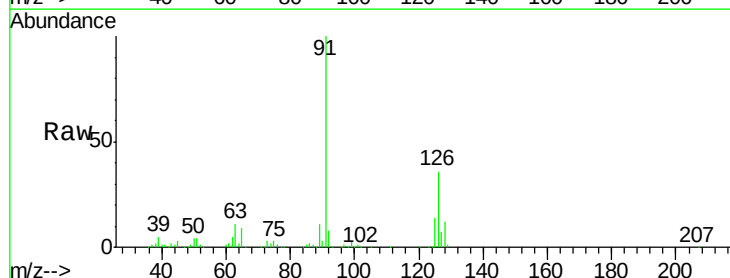
Acq: 12 Feb 2019 11:32

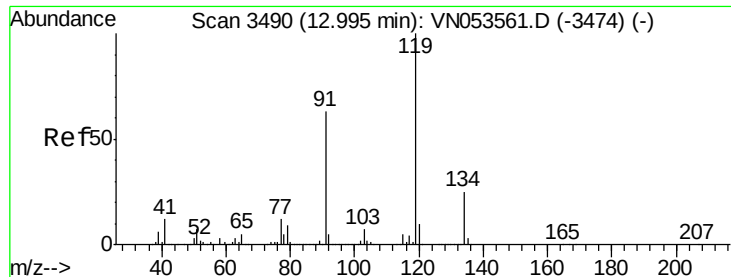
Tgt Ion: 91 Resp: 422443

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.9

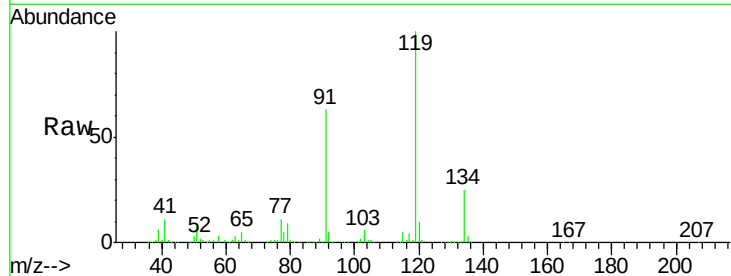




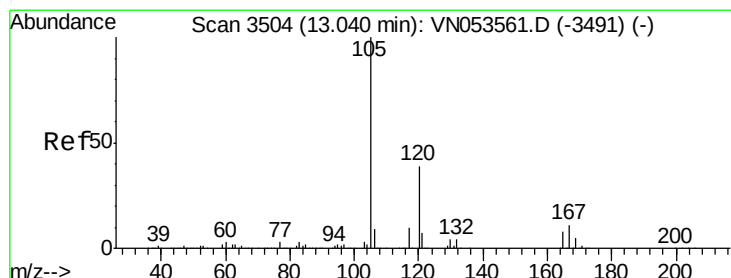
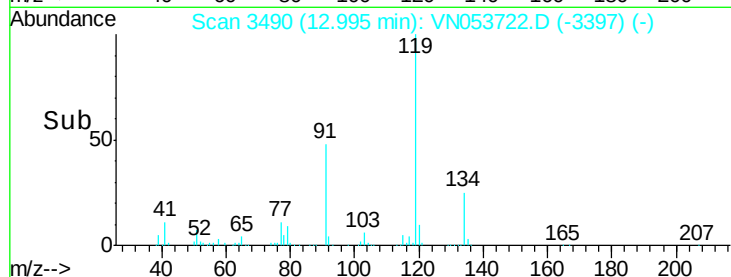
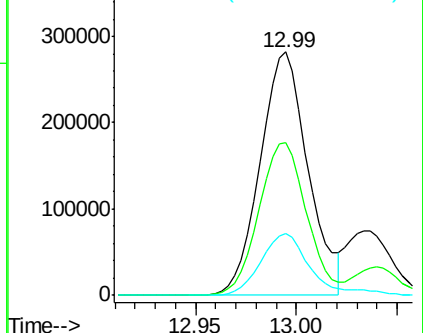
#83
 tert-Butylbenzene
 Concen: 21.322 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion:119 Resp: 467016
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 26.4 12.9 38.7

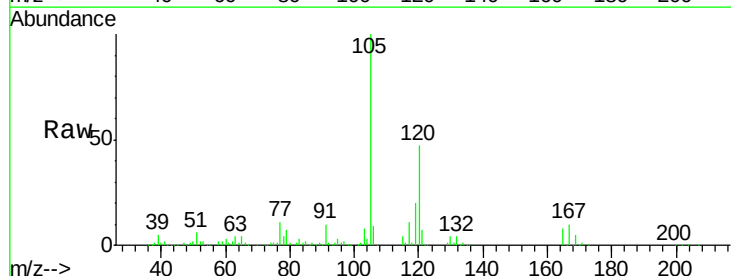


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

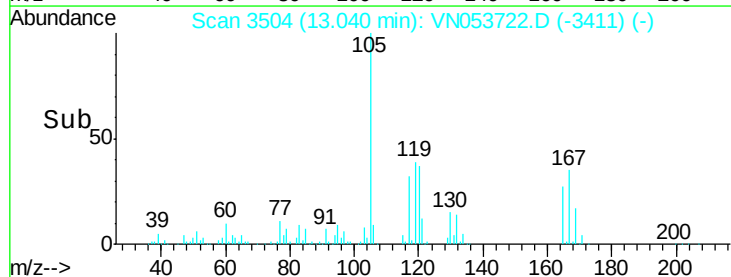
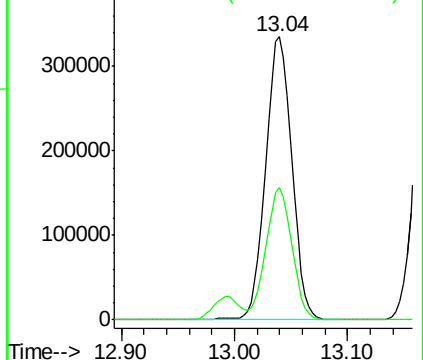


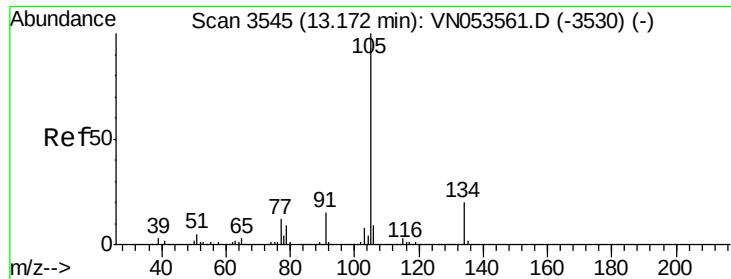
#84
 1,2,4-Trimethylbenzene
 Concen: 21.354 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion:105 Resp: 539172
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.351 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

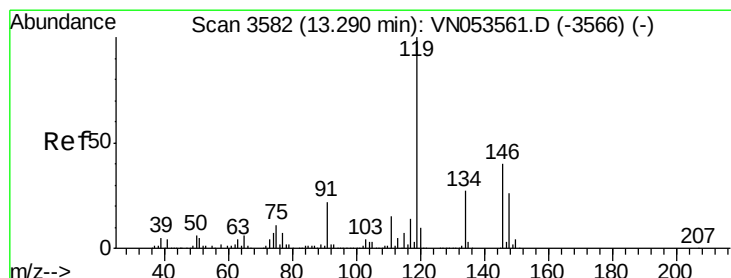
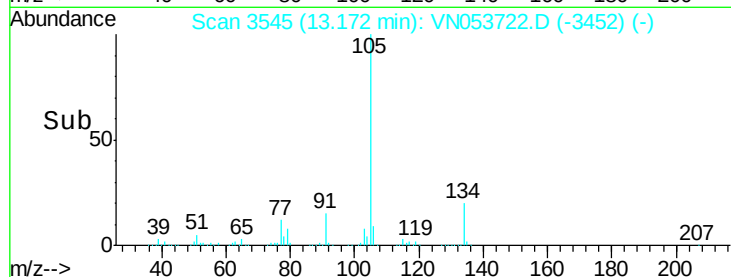
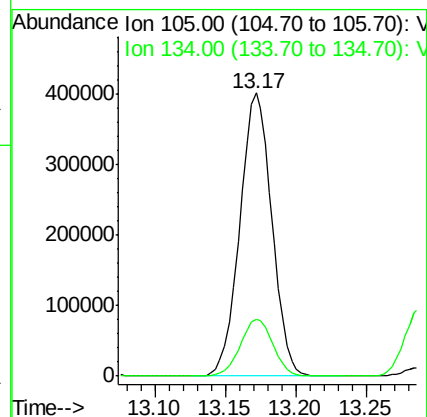
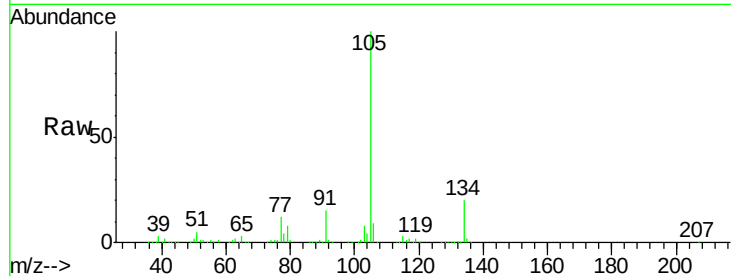
VN0212WBS01

Tot Ion:105 Resp: 636387

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 21.282 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

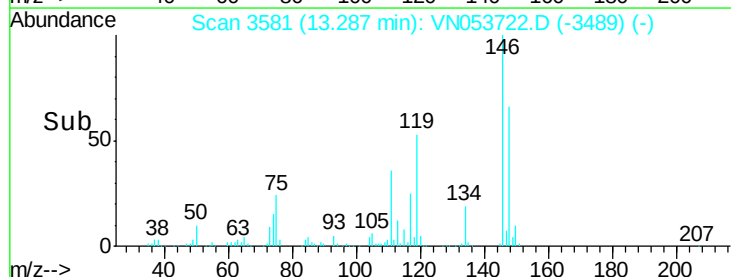
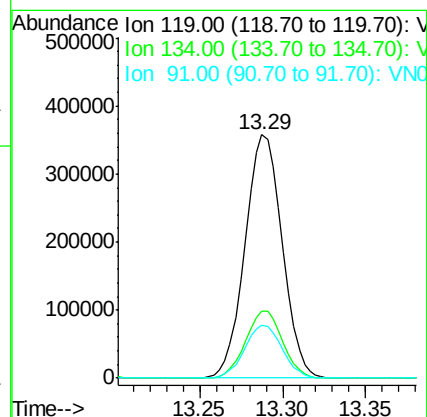
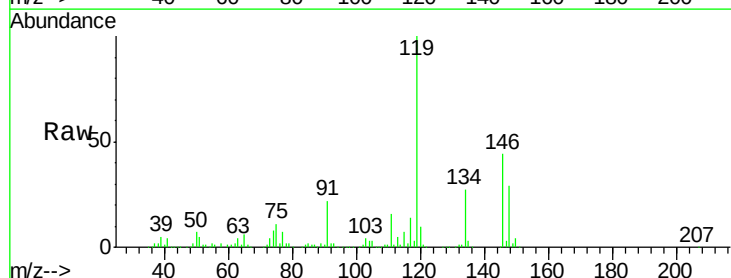
Tgt Ion:119 Resp: 554773

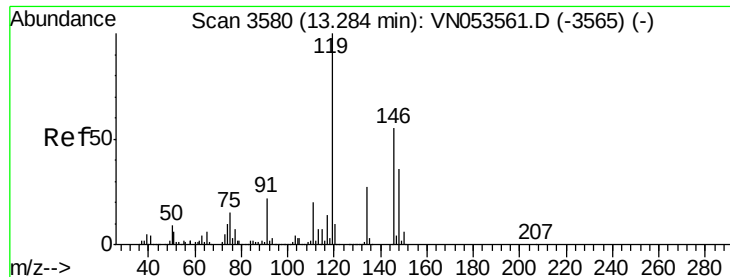
Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 22.1 11.0 33.0

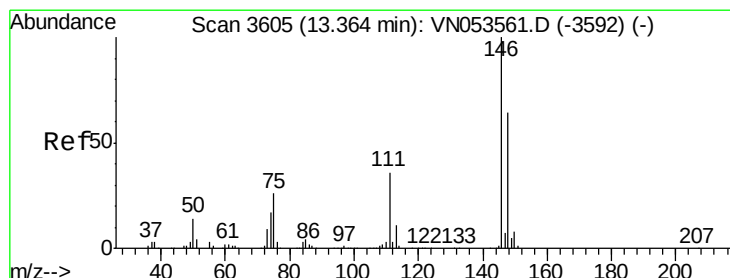
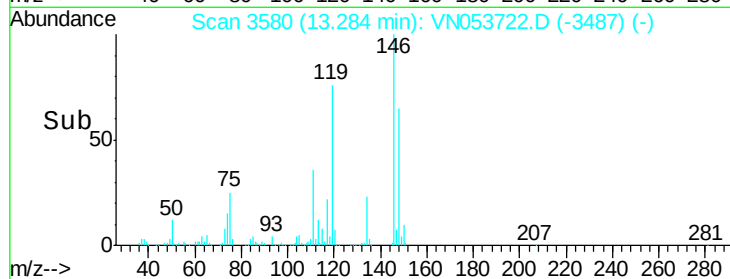
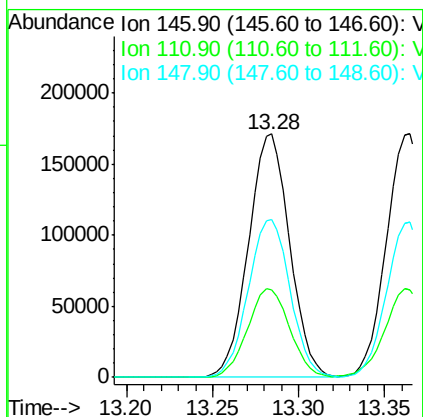
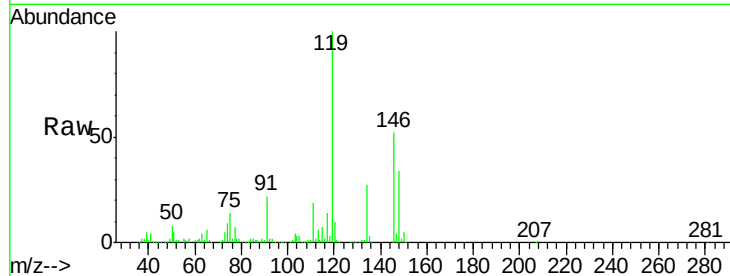




#87
 1,3-Dichlorobenzene
 Concen: 19.664 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

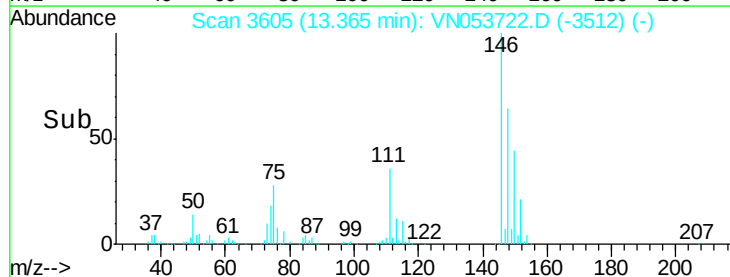
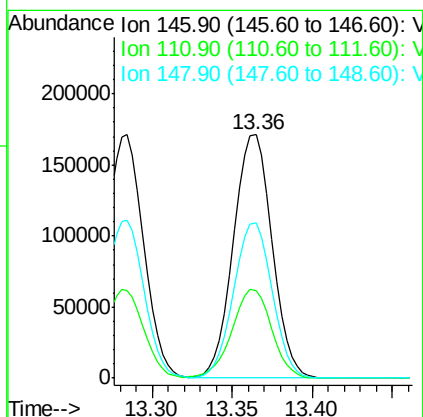
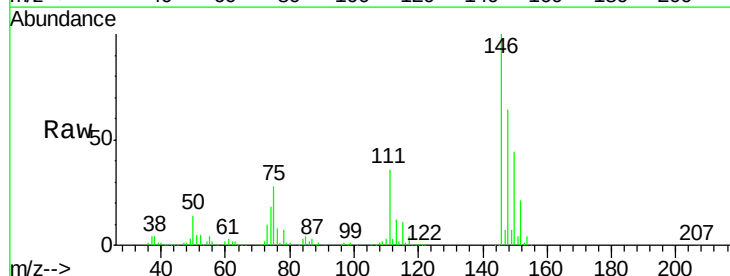
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

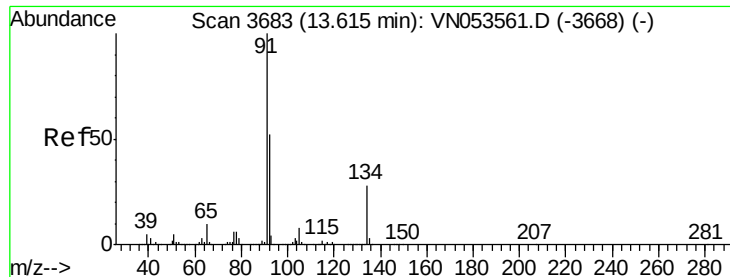
Tot Ion:146 Resp: 284719
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 65.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.671 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion:146 Resp: 281738
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 63.8 32.4 97.0

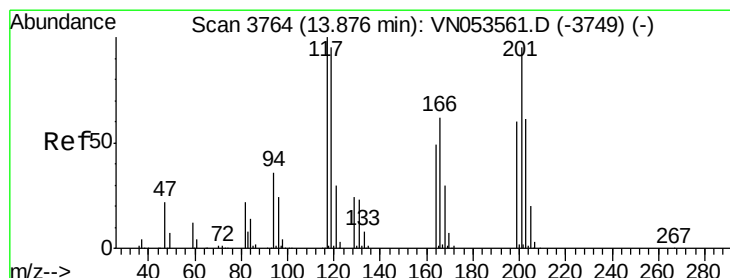
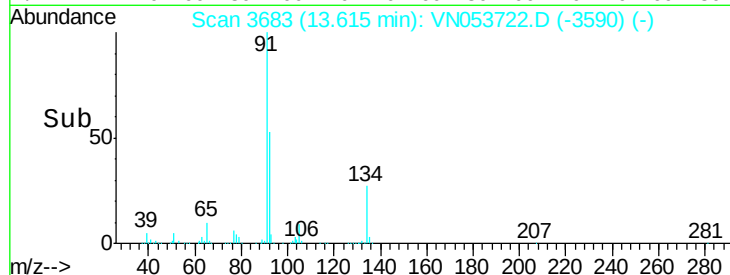
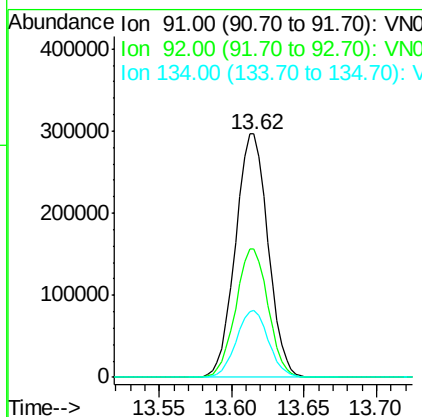
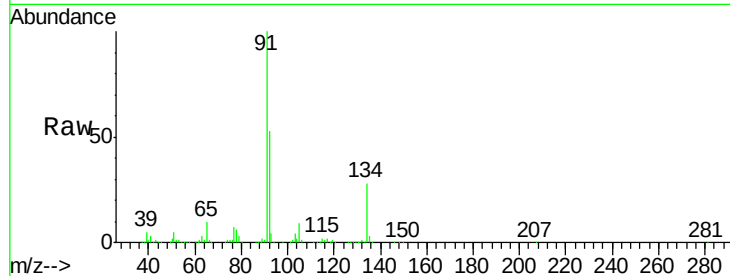




#89
n-Butylbenzene
Concen: 20.531 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

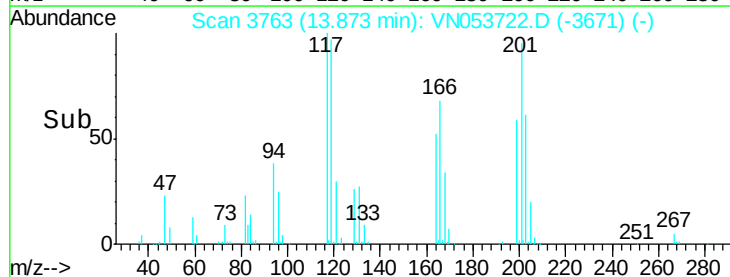
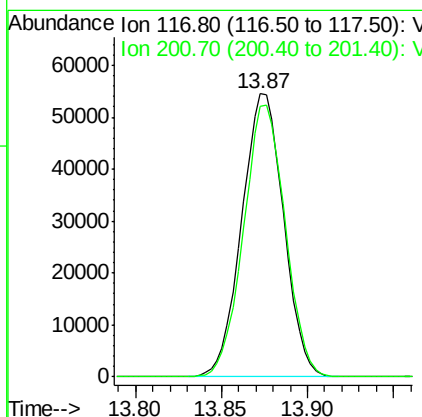
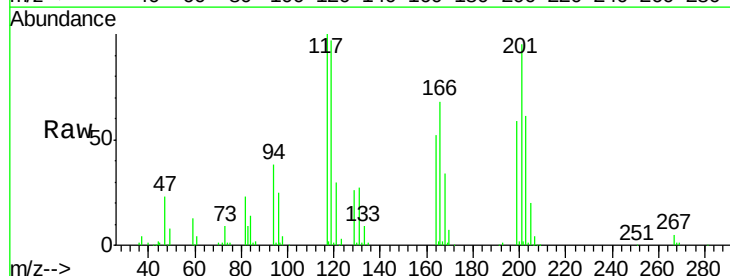
Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

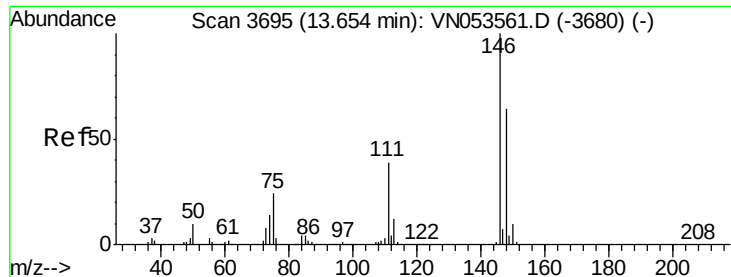
Tot Ion: 91 Resp: 463239
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.8
134 27.1 13.5 40.5



#90
Hexachloroethane
Concen: 21.382 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 117 Resp: 91939
Ion Ratio Lower Upper
117 100
201 95.5 46.8 140.4

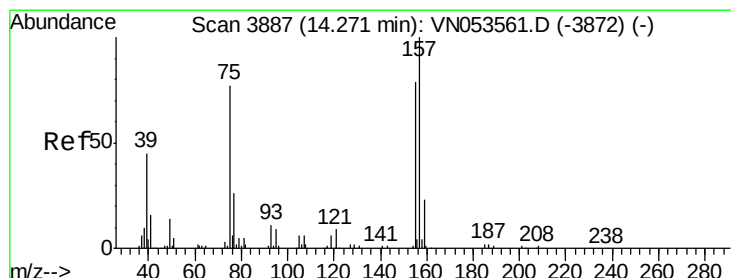
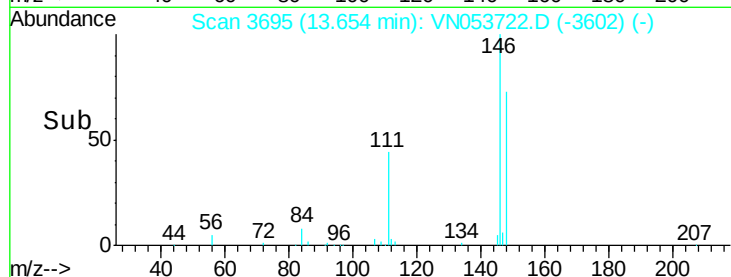
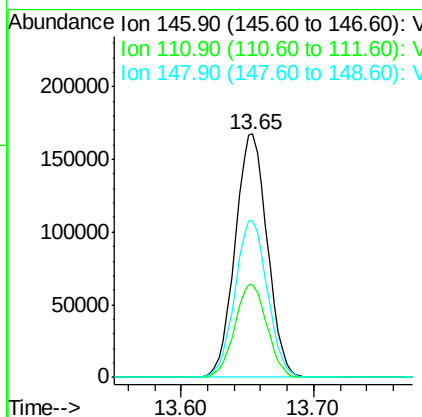
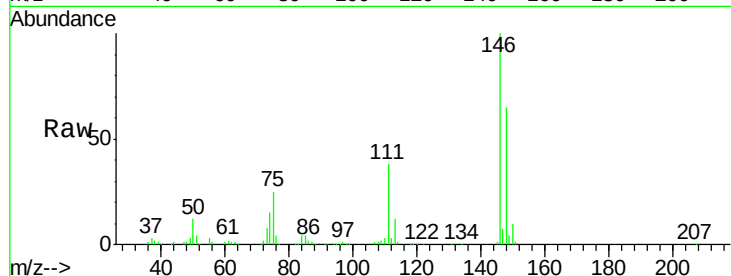




#91
 1,2-Dichlorobenzene
 Concen: 20.310 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

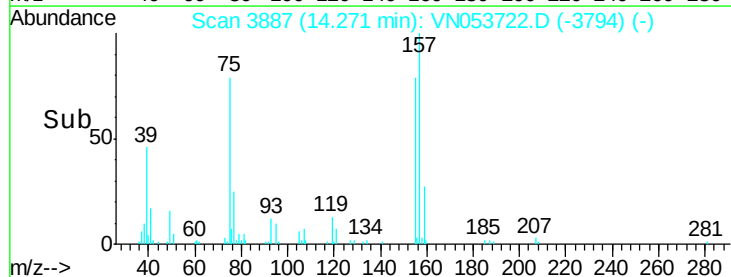
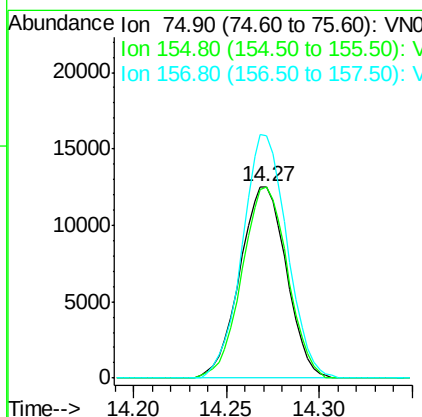
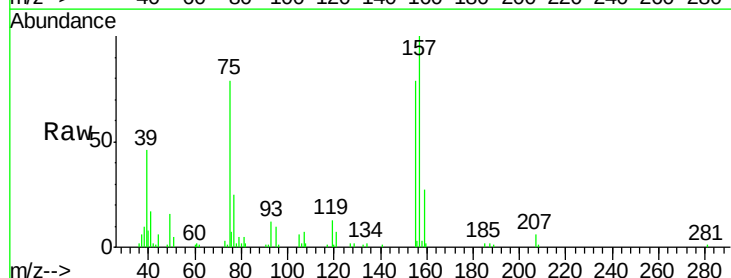
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

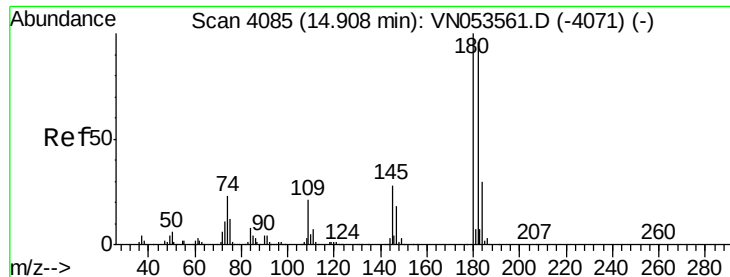
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	64.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.501 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.9	146.7
157	122.6	63.7	191.3

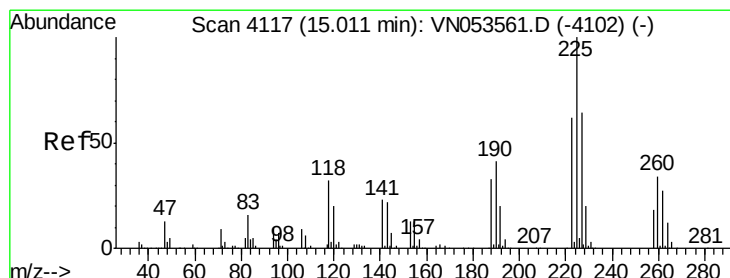
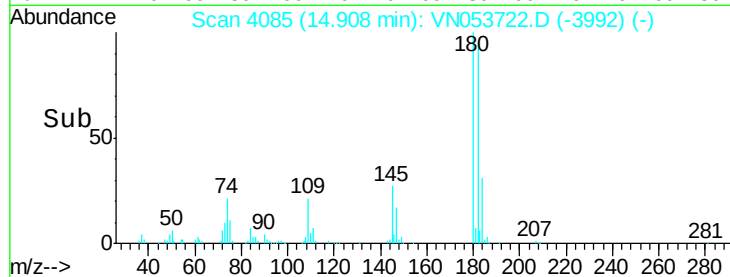
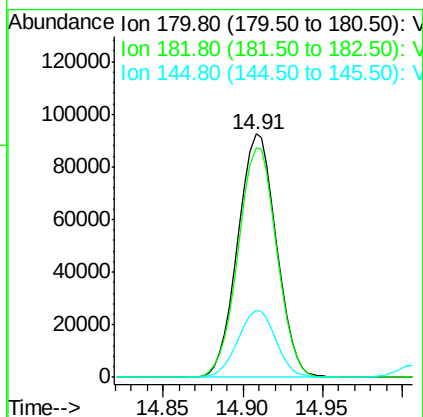
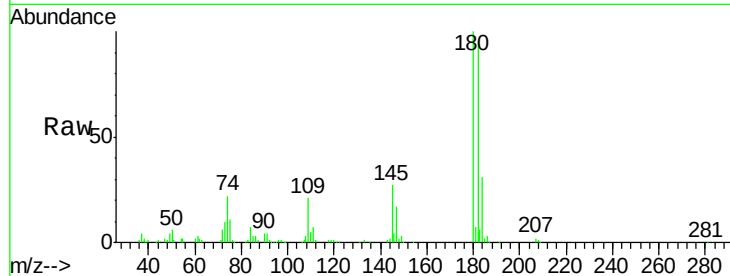




#93
 1,2,4-Trichlorobenzene
 Concen: 19.086 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

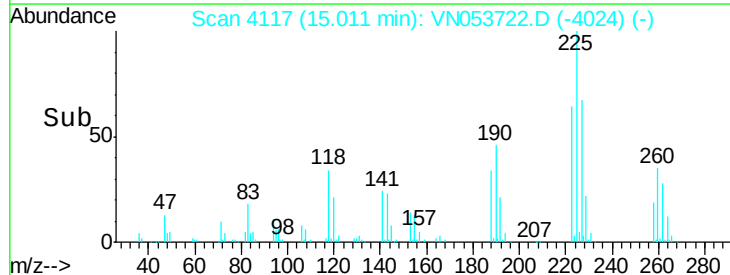
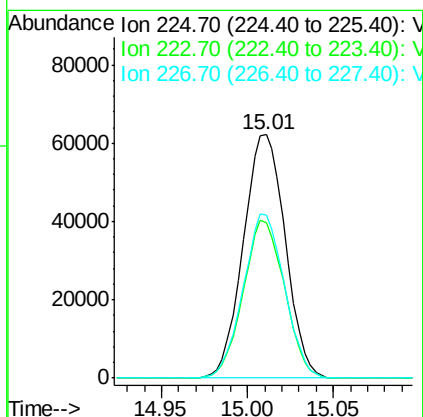
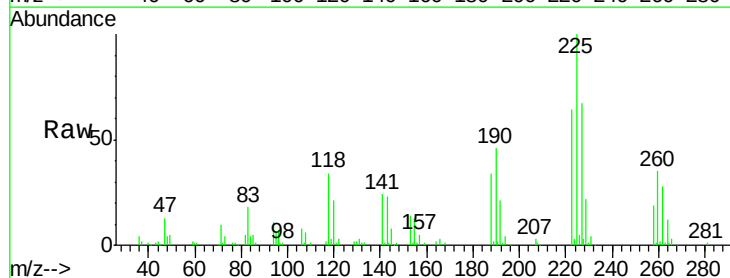
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

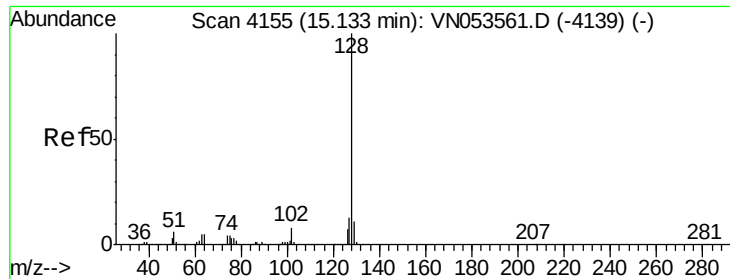
Tot Ion:180 Resp: 151730
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.3
 145 27.2 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 21.236 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion:225 Resp: 105136
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.2
 227 66.3 32.0 96.2





#95

Naphthalene

Concen: 16.872 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

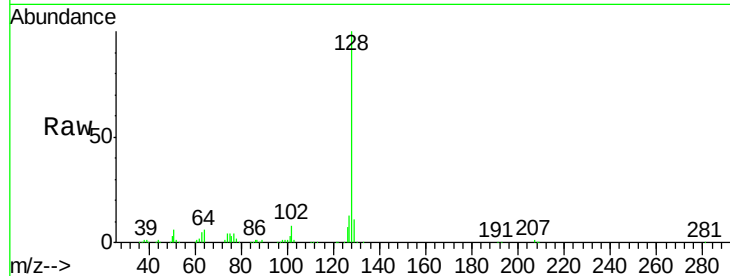
Tot Ion:128 Resp: 292821

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

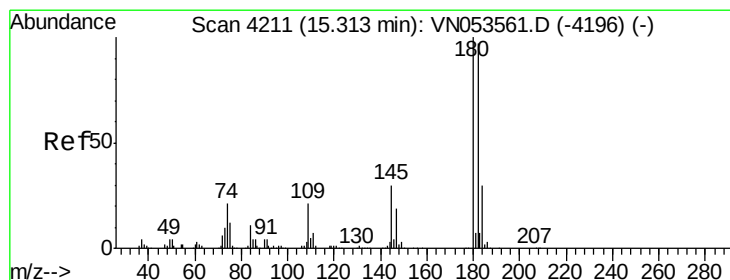
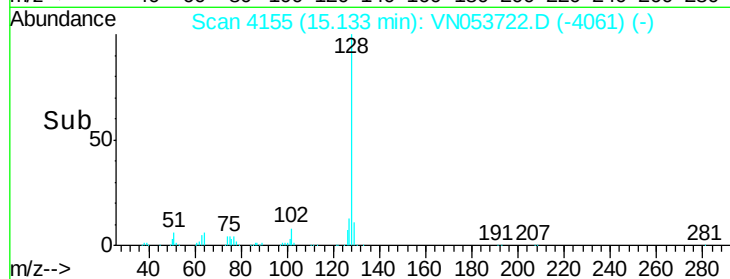
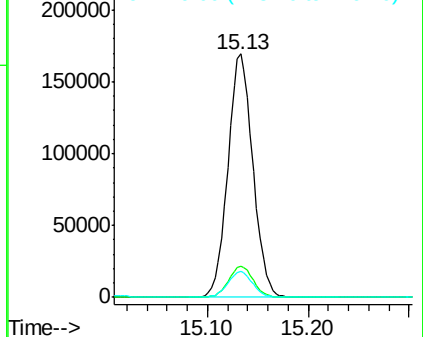
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.568 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

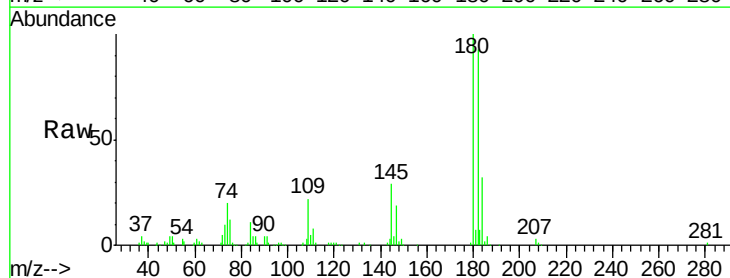
Tgt Ion:180 Resp: 144347

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.8

145 29.1 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

