

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054027.D
 Acq On : 1 Mar 2019 14:10
 Operator : JC/SP
 Sample : VN0301WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Quant Time: Mar 01 23:46:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	114749	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	617896	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	534895	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	242562	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	242609	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	10.09	98	780482	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	125568	19.354 ug/l	97
3) Chloromethane	2.06	50	174351	20.202 ug/l	100
4) Vinyl Chloride	2.19	62	167654	19.400 ug/l	97
5) Bromomethane	2.57	94	105890	19.918 ug/l	98
6) Chloroethane	2.71	64	100666	19.784 ug/l	99
7) Trichlorofluoromethane	3.02	101	205584	19.579 ug/l	100
8) Diethyl Ether	3.41	74	75171	19.036 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127957	18.955 ug/l	98
10) 1,1-Dichloroethene	3.74	96	122971	19.442 ug/l	99
11) Methyl Iodide	3.96	142	176366	18.798 ug/l	99
12) Methyl Acetate	4.32	43	105819	19.842 ug/l	98
13) Acrolein	3.61	56	56281	109.948 ug/l	99
14) Acrylonitrile	4.99	53	249896	97.512 ug/l	98
15) Acetone	3.82	58	62723	84.928 ug/l	92
16) Carbon Disulfide	4.06	76	392217	19.113 ug/l	100
17) Allyl chloride	4.33	41	209335	18.714 ug/l	98
18) Methylene Chloride	4.55	84	143832	19.693 ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	132585	19.322 ug/l	96
20) Diisopropyl ether	5.95	45	439931	19.660 ug/l	96
21) 1,1-Dichloroethane	5.85	63	258303	19.546 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	149169	19.527 ug/l	97
23) tert-Butyl Alcohol	4.78	59	46622	101.570 ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	336543	19.655 ug/l	98
25) Chloroform	7.37	83	251555	19.728 ug/l	97
26) Cyclohexane	7.65	56	232769	19.354 ug/l #	98
29) 1,1-Dichloropropene	7.79	75	191459	19.782 ug/l	99
30) 2-Butanone	6.84	43	284758	93.183 ug/l	99
31) 2,2-Dichloropropane	6.82	77	183673	19.246 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	204598	19.653 ug/l	99
33) Carbon Tetrachloride	7.77	117	178830	19.401 ug/l	97
34) Benzene	8.04	78	580383	20.177 ug/l	99
35) Methacrylonitrile	7.18	41	70786	20.716 ug/l	88
36) 1,2-Dichloroethane	8.12	62	181690	19.671 ug/l	100
37) Trichloroethene	8.84	130	148248	19.744 ug/l	96
38) Methylcyclohexane	9.08	83	214683	18.793 ug/l	98
39) 1,2-Dichloropropane	9.12	63	156996	19.923 ug/l	99
40) Dibromomethane	9.21	93	90347	20.000 ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Quant Time: Mar 01 23:46:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	190385	19.863	ug/l	98
42) Vinyl Acetate	5.90	43	1534447	97.194	ug/l	100
43) Ethyl Acetate	6.93	43	120088	18.761	ug/l #	69
44) Isopropyl Acetate	8.16	43	220433	19.626	ug/l	96
45) 1,4-Dioxane	9.20	88	27552	418.906	ug/l	98
46) Methyl methacrylate	9.20	41	100900	18.703	ug/l	97
47) n-amyl Acetate	12.07	43	150091	18.191	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	180095	18.740	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	213868	18.952	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	123698	19.521	ug/l	98
51) Ethyl methacrylate	10.43	69	143086	18.757	ug/l	97
52) 1,3-Dichloropropane	10.71	76	216735	19.929	ug/l	100
53) Dibromochloromethane	10.90	129	134358	19.296	ug/l	97
54) 1,2-Dibromoethane	11.01	107	116390	19.282	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	338978	95.757	ug/l	99
56) Bromoform	12.13	173	88425	19.126	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	593717	98.505	ug/l	97
59) 2-Hexanone	10.75	43	364945	92.674	ug/l	98
61) Tetrachloroethene	10.63	164	148605	19.984	ug/l	96
62) Toluene	10.16	91	595512	19.921	ug/l	99
64) Chlorobenzene	11.43	112	355582	19.534	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	130267	19.490	ug/l	99
66) Ethyl Benzene	11.51	91	609053	19.491	ug/l	100
67) m/p-Xylenes	11.62	106	472340	40.149	ug/l	99
68) o-Xylene	11.95	106	224733	19.706	ug/l	98
69) Styrene	11.96	104	355423	19.682	ug/l	99
70) Isopropylbenzene	12.25	105	601460	20.094	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	145308	19.669	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	175450	31.277	ug/l	44
73) Bromobenzene	12.53	156	145532	19.285	ug/l	99
74) n-propylbenzene	12.59	91	688777	19.325	ug/l	100
75) 2-Chlorotoluene	12.68	91	413111	19.793	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	499253	19.691	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	35452	17.760	ug/l	97
78) 4-Chlorotoluene	12.77	91	401842	19.240	ug/l	99
79) tert-butylbenzene	12.99	119	436588	19.651	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	498122	19.740	ug/l	99
81) sec-Butylbenzene	13.17	105	601456	19.739	ug/l	99
82) p-Isopropyltoluene	13.29	119	503713	19.360	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	250424	18.814	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	240303	18.909	ug/l	98
85) n-Butylbenzene	13.61	91	408425	18.011	ug/l	99
86) Hexachloroethane	13.88	117	90991	18.706	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	251542	19.486	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20295	18.987	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	110039	16.779	ug/l	100
90) Hexachlorobutadiene	15.01	225	89075	18.694	ug/l	99
91) Naphthalene	15.13	128	214950	18.986	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	113953	17.595	ug/l	98

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Quant Time: Mar 01 23:46:30 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration

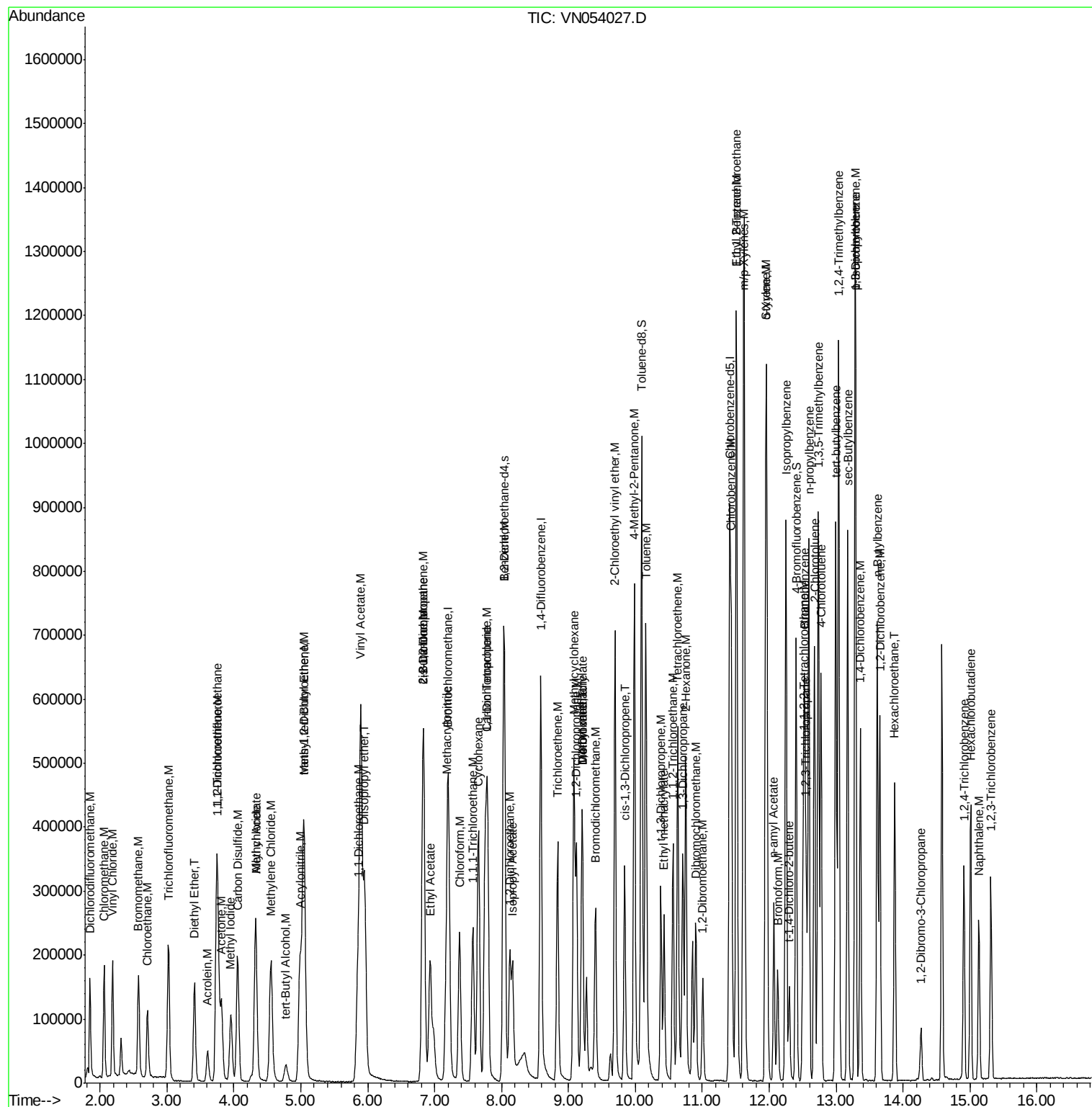
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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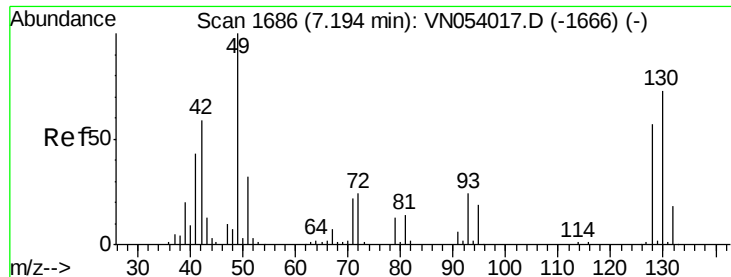
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
Data File : VN054027.D
Acq On : 1 Mar 2019 14:10
Operator : JC/SP
Sample : VN0301WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Quant Time: Mar 01 23:46:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

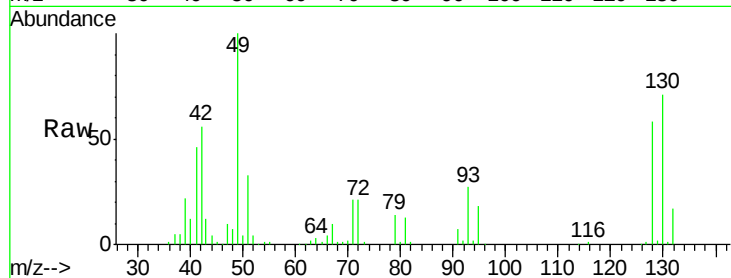
Tot Ion:128 Resp: 114749

Ion Ratio Lower Upper

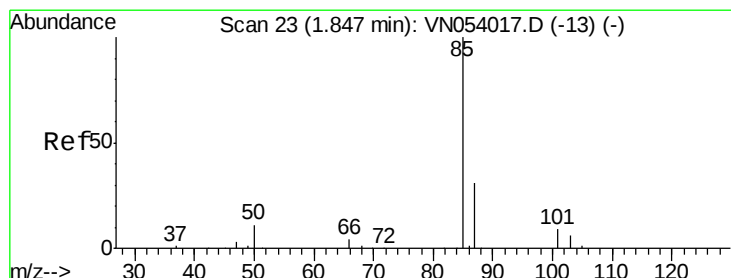
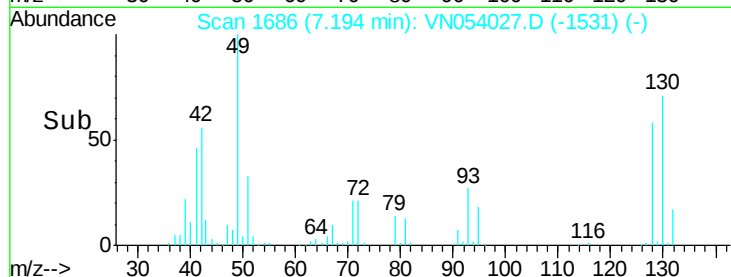
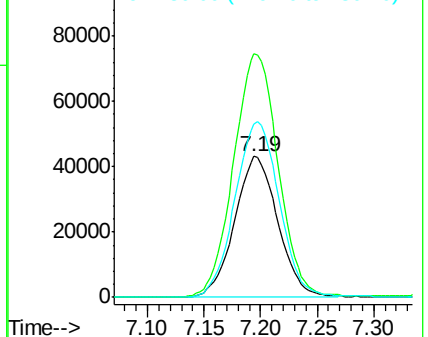
128 100

49 178.4 0.0 431.8

130 128.1 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.354 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN054027.D

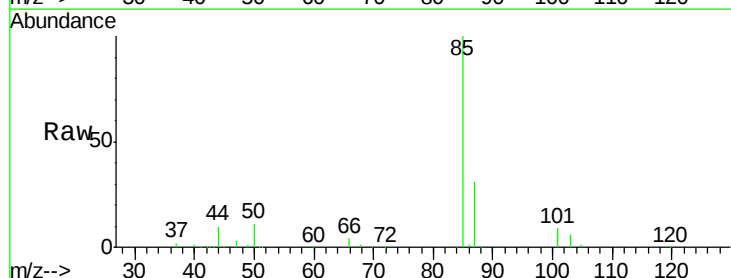
Acq: 1 Mar 2019 14:10

Tgt Ion: 85 Resp: 125568

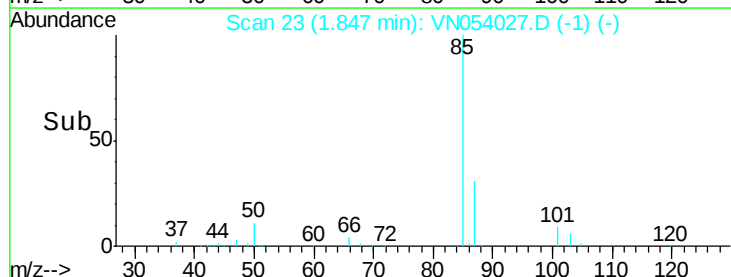
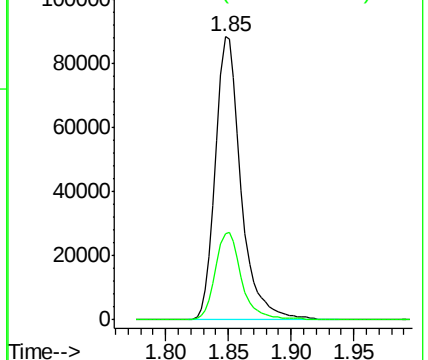
Ion Ratio Lower Upper

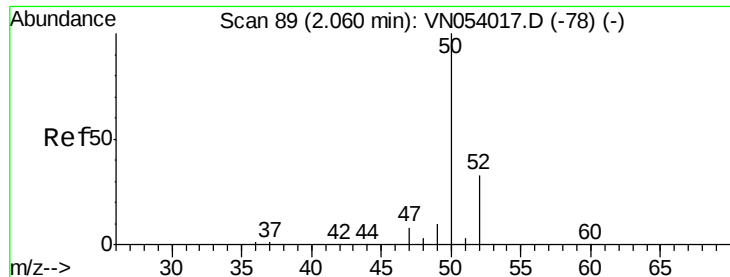
85 100

87 30.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.202 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

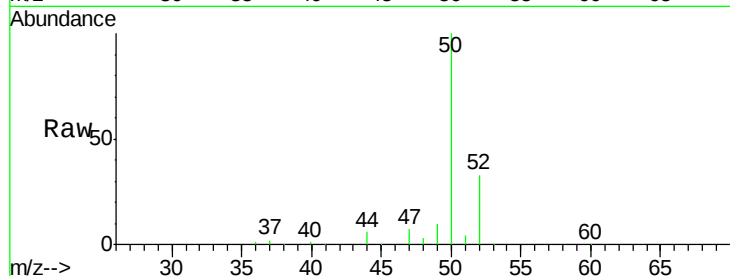
VN0301WBS01

Tot Ion: 50 Resp: 174351

Ion Ratio Lower Upper

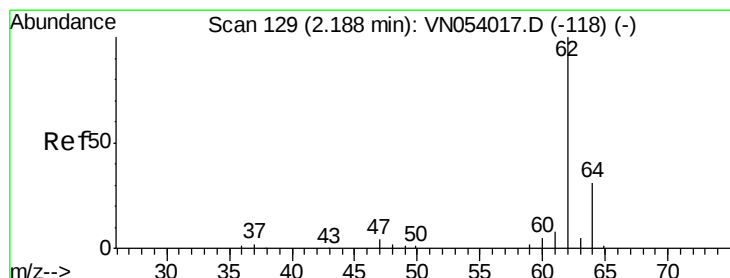
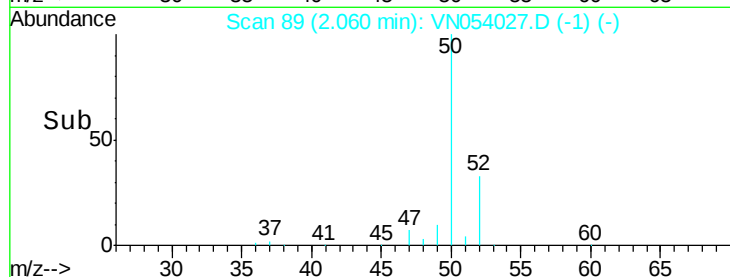
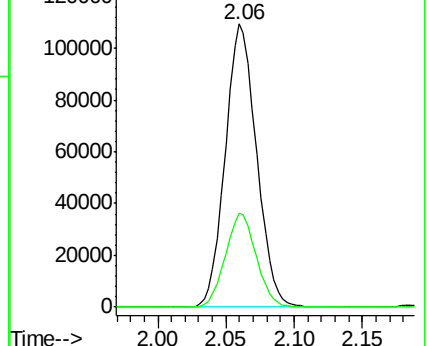
50 100

52 33.0 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.400 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054027.D

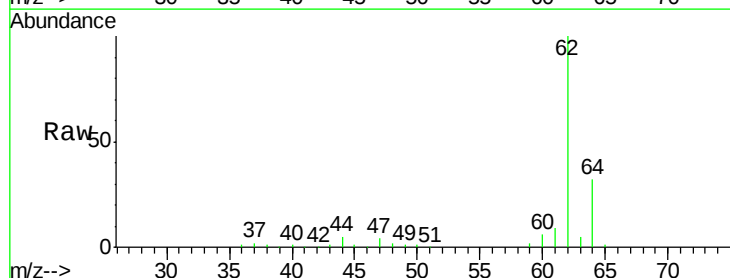
Acq: 1 Mar 2019 14:10

Tgt Ion: 62 Resp: 167654

Ion Ratio Lower Upper

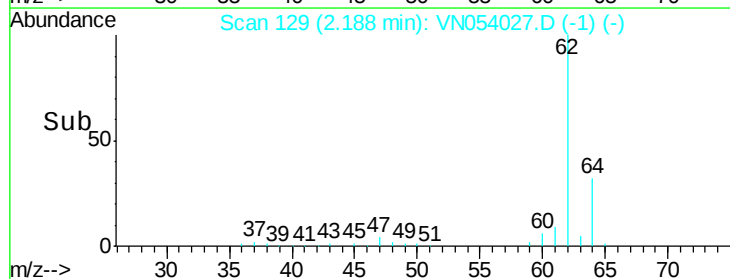
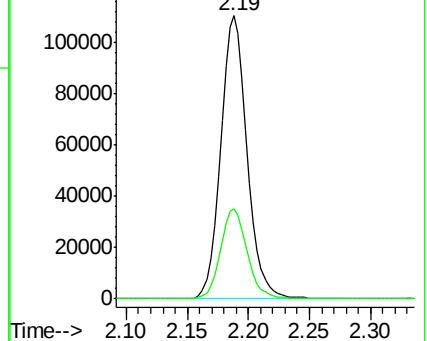
62 100

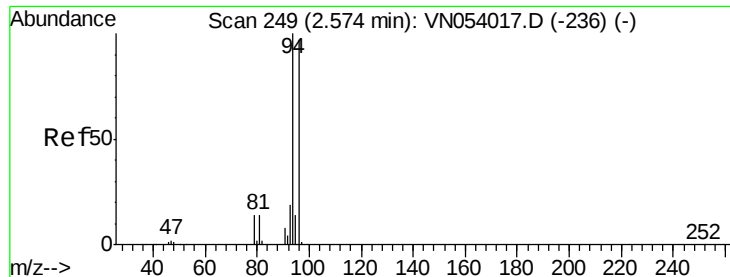
64 31.7 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.918 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

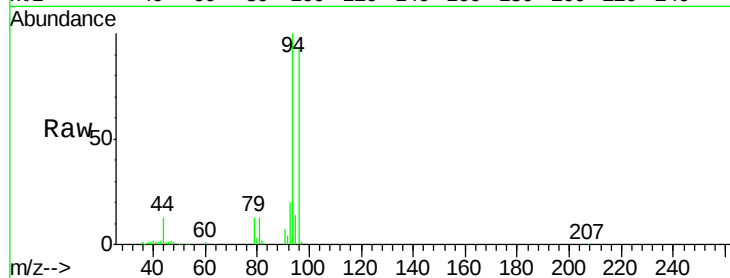
VN0301WBS01

Tot Ion: 94 Resp: 105890

Ion Ratio Lower Upper

94 100

96 93.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

60000

50000

40000

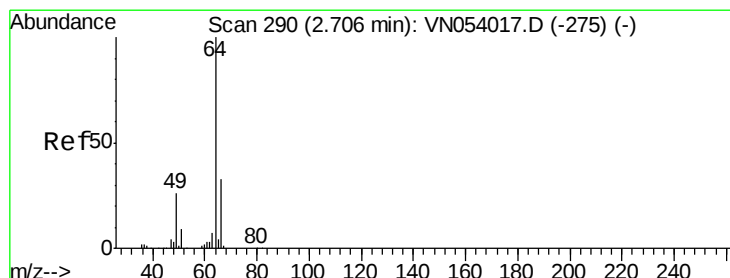
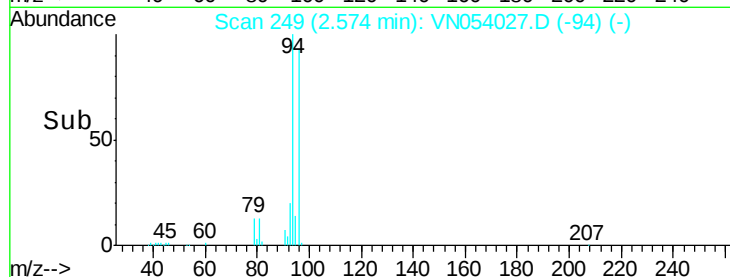
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 19.784 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054027.D

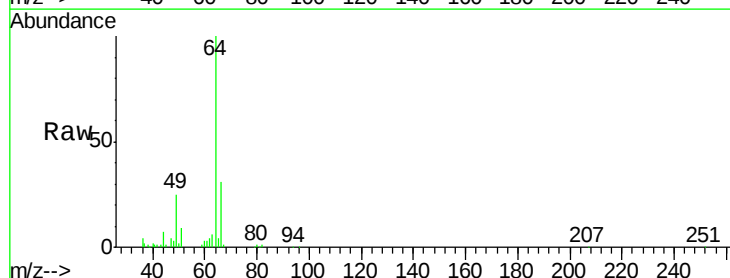
Acq: 1 Mar 2019 14:10

Tgt Ion: 64 Resp: 100666

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

60000

50000

40000

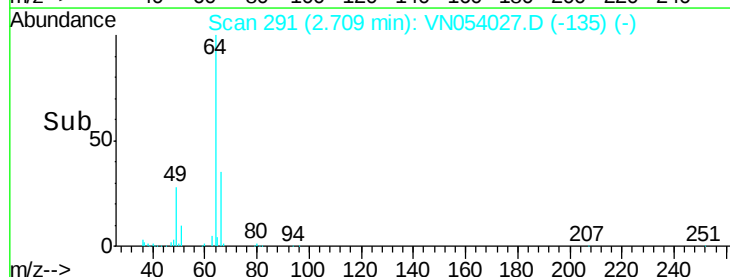
30000

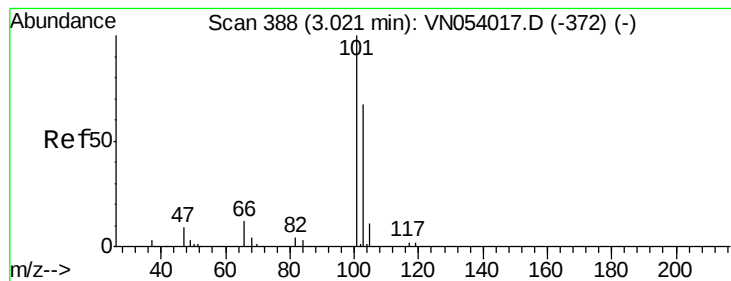
20000

10000

0

Time-->



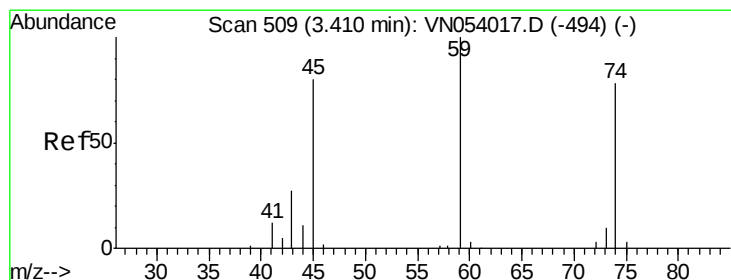
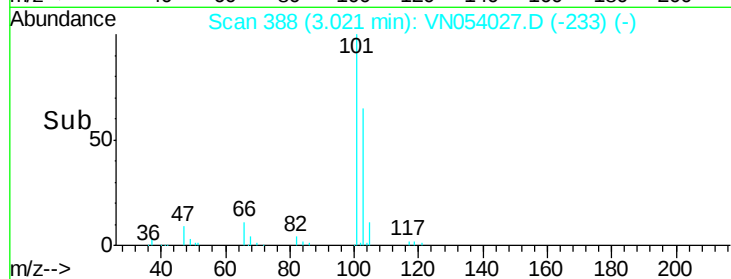
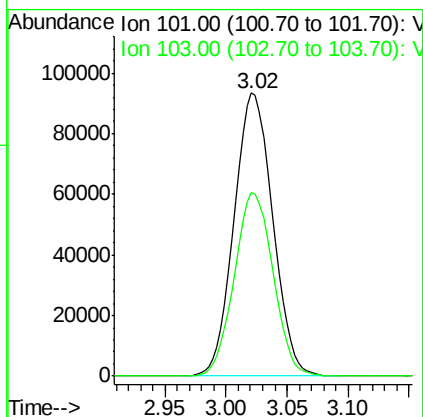
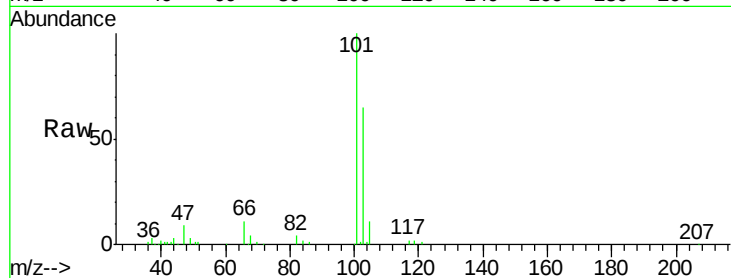


#7

Trichlorofluoromethane
 Concen: 19.579 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

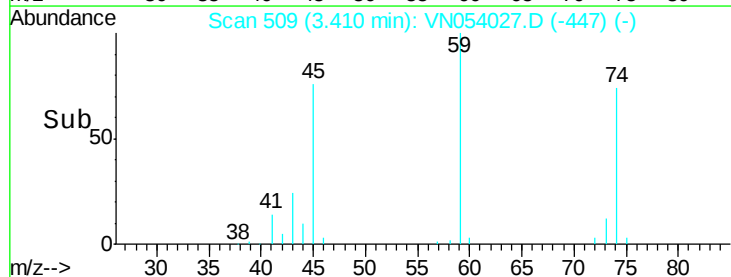
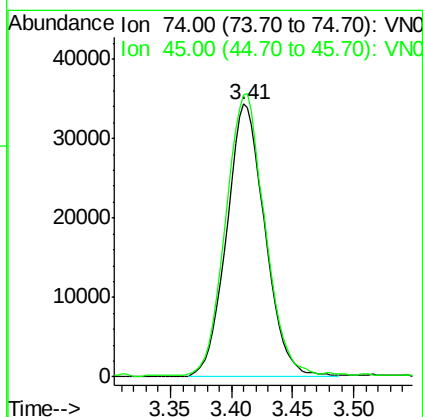
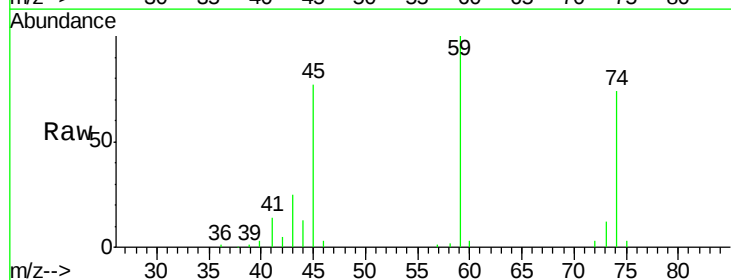
Tot Ion:101 Resp: 205584
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.1 78.1

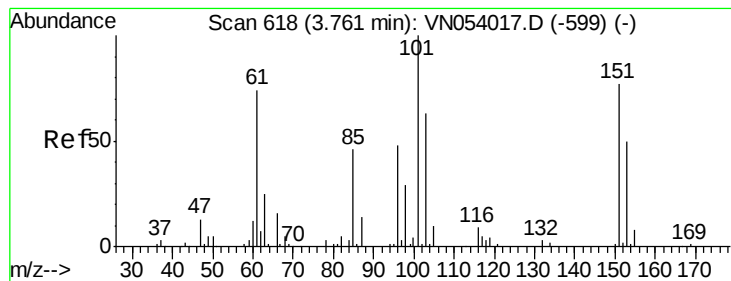


#8

Diethyl Ether
 Concen: 19.036 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 74 Resp: 75171
 Ion Ratio Lower Upper
 74 100
 45 105.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.955 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

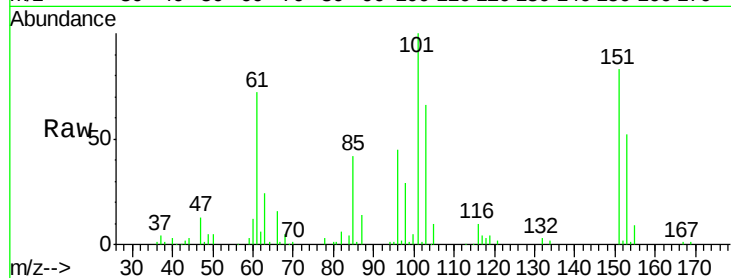
Tot Ion:101 Resp: 127957

Ion Ratio Lower Upper

101 100

85 42.1 0.0 82.6

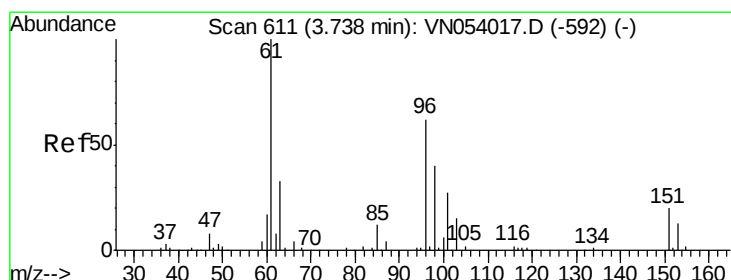
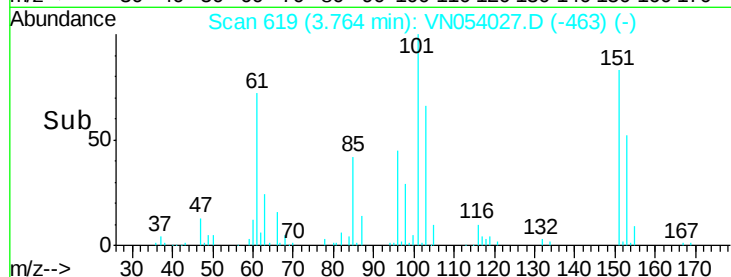
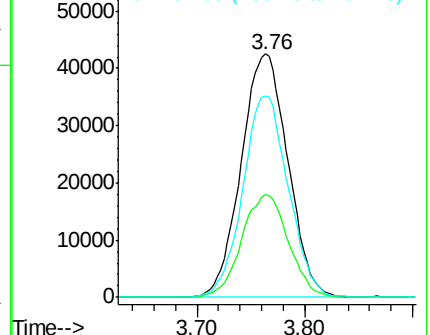
151 80.7 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.442 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

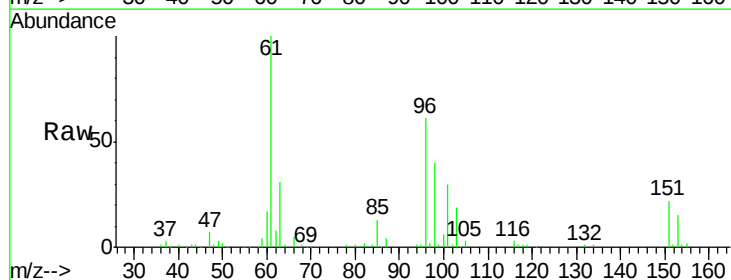
Tgt Ion: 96 Resp: 122971

Ion Ratio Lower Upper

96 100

61 162.6 129.4 194.2

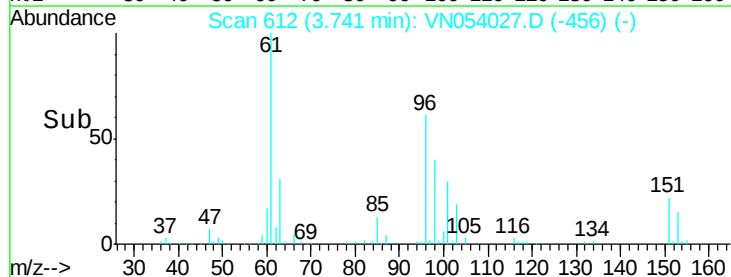
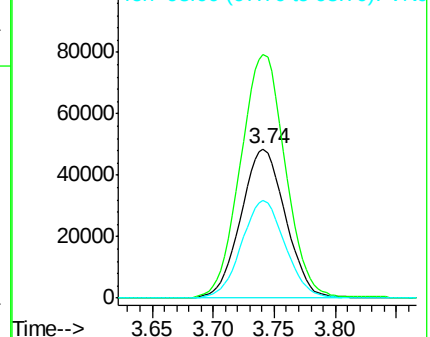
98 65.0 50.4 75.6

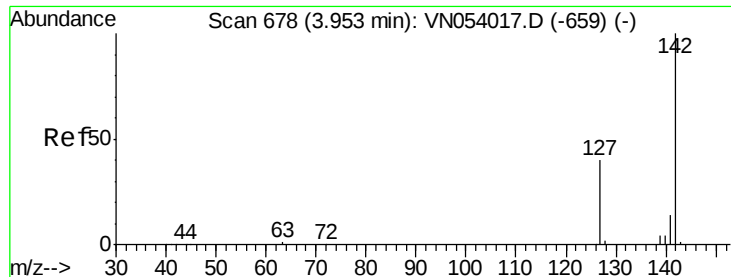


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

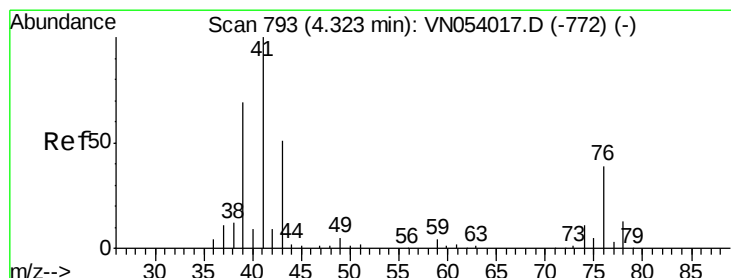
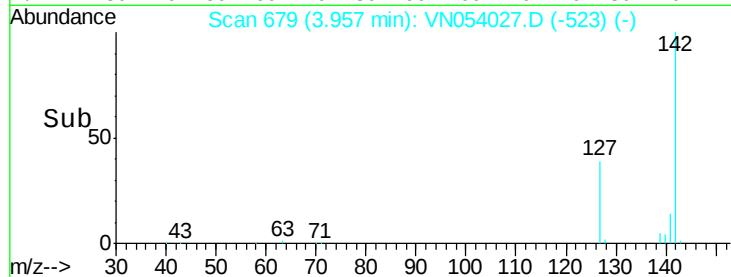
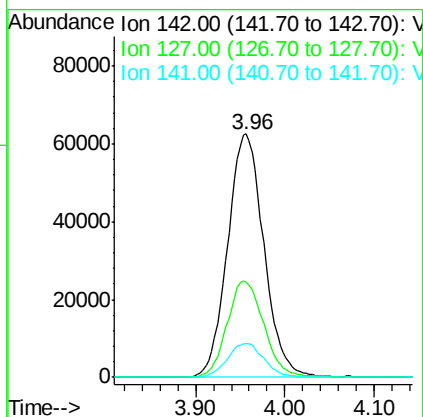
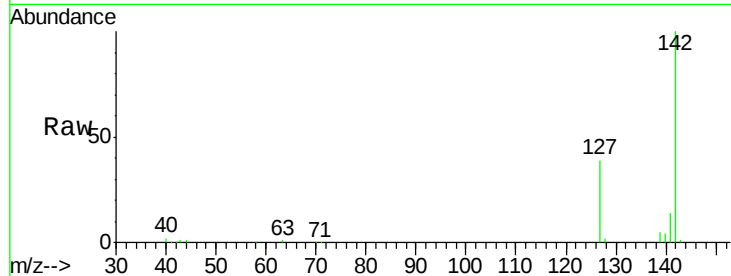




#11
Methyl Iodide
Concen: 18.798 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

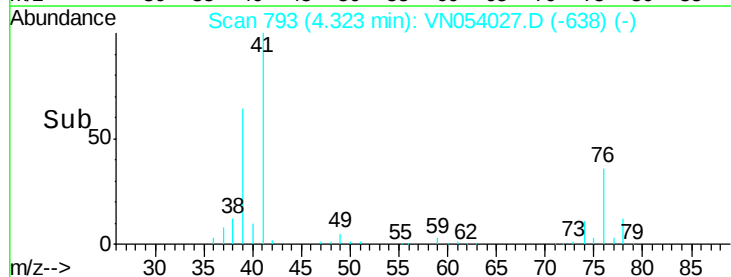
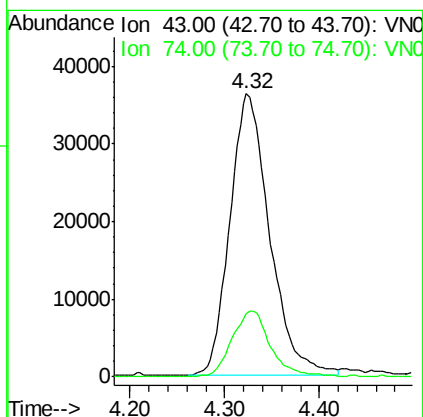
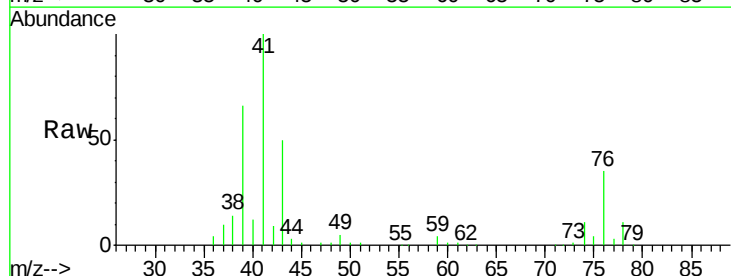
Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

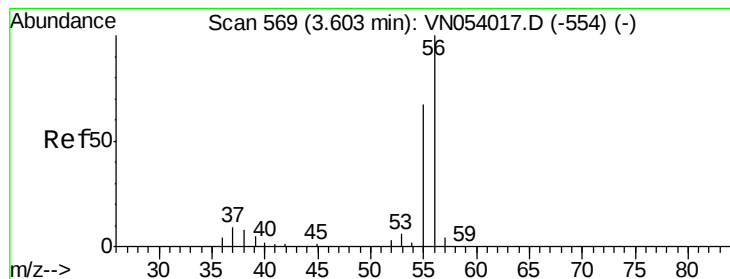
Tot Ion:142 Resp: 176366
Ion Ratio Lower Upper
142 100
127 39.3 19.4 58.1
141 13.9 7.2 21.6



#12
Methyl Acetate
Concen: 19.842 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 43 Resp: 105819
Ion Ratio Lower Upper
43 100
74 22.6 18.9 28.3





#13

Acrolein

Concen: 109.948 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

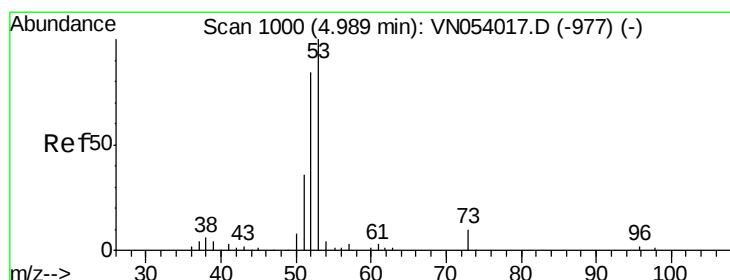
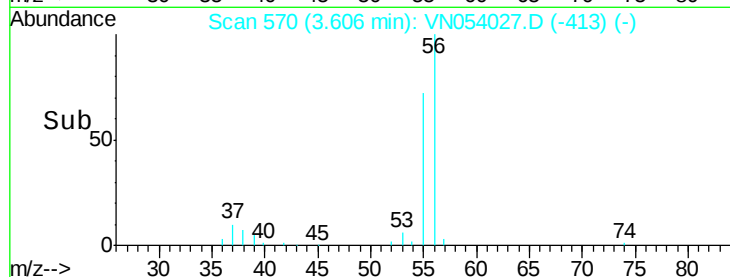
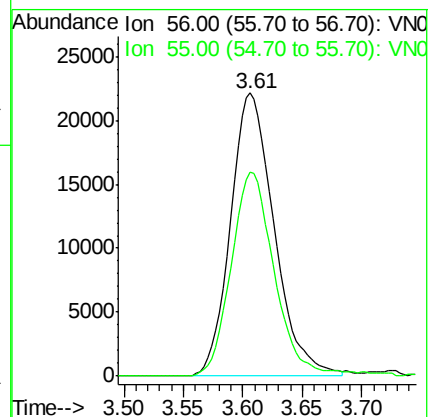
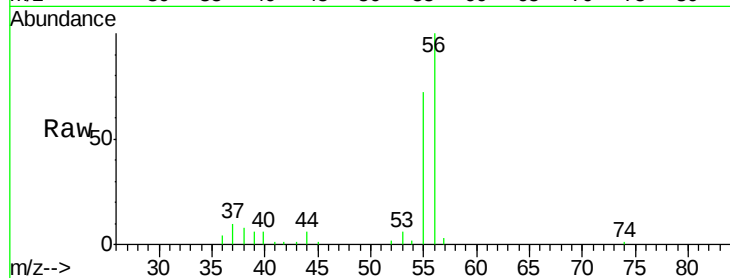
VN0301WBS01

Tot Ion: 56 Resp: 56281

Ion Ratio Lower Upper

56 100

55 70.2 56.7 85.1



#14

Acrylonitrile

Concen: 97.512 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

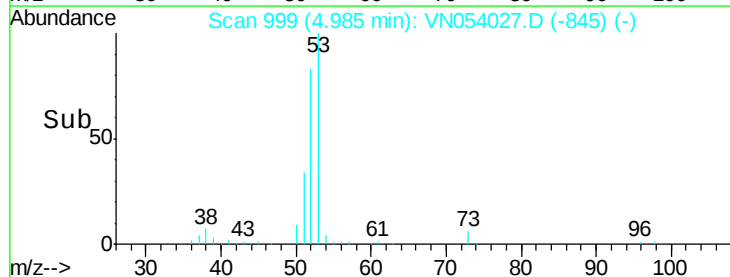
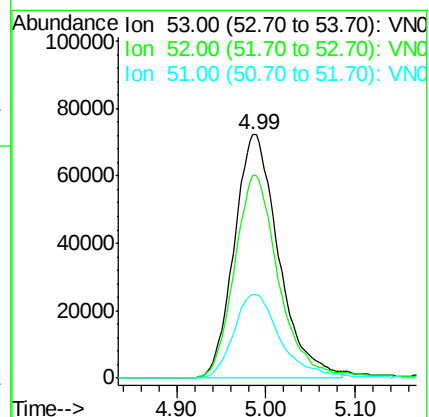
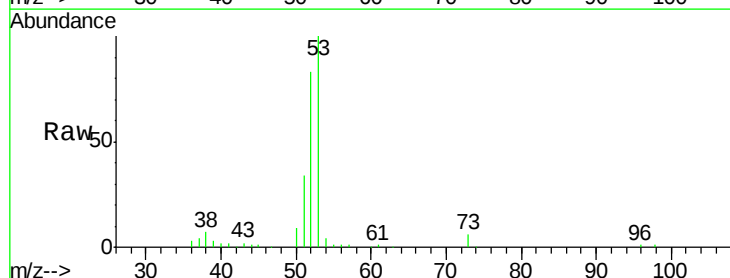
Tgt Ion: 53 Resp: 249896

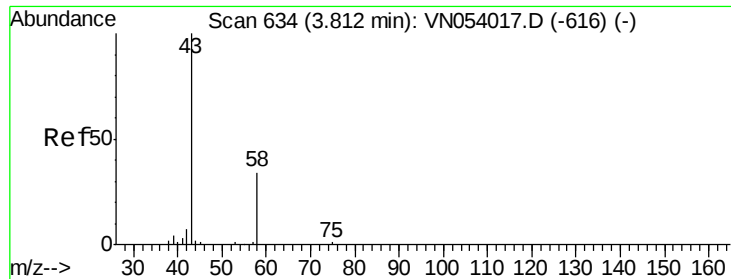
Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

51 36.0 17.6 52.9





#15

Acetone

Concen: 84.928 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

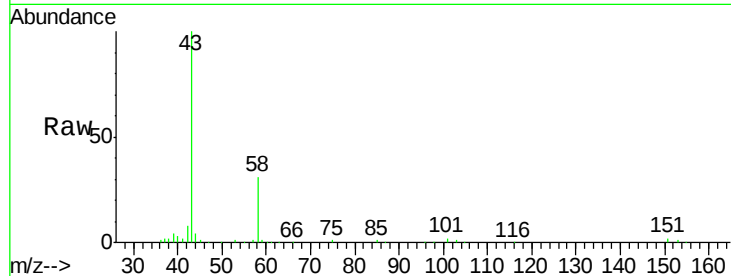
VN0301WBS01

Tot Ion: 58 Resp: 62723

Ion Ratio Lower Upper

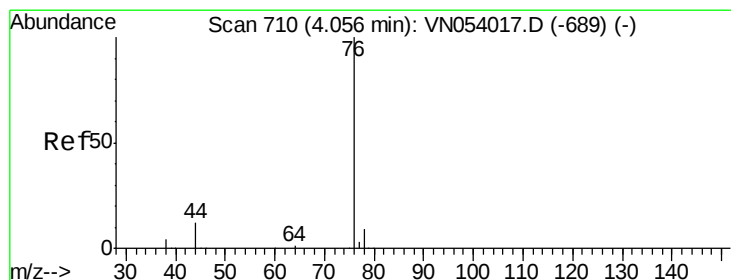
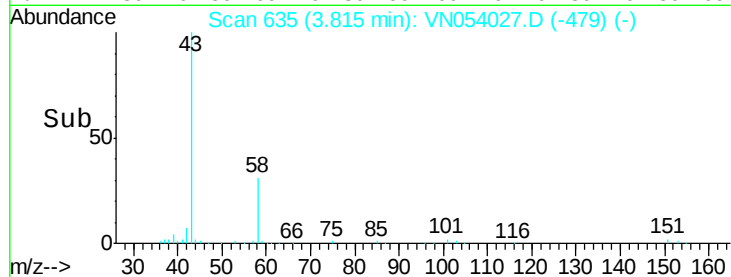
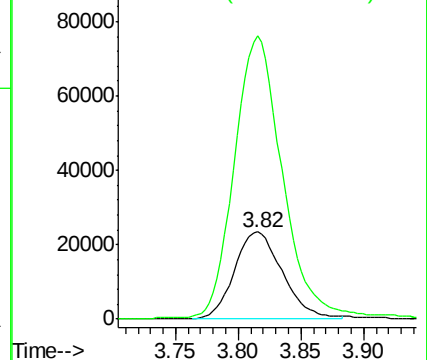
58 100

43 320.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.113 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054027.D

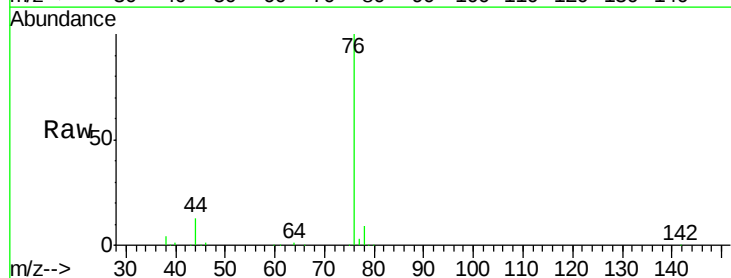
Acq: 1 Mar 2019 14:10

Tgt Ion: 76 Resp: 392217

Ion Ratio Lower Upper

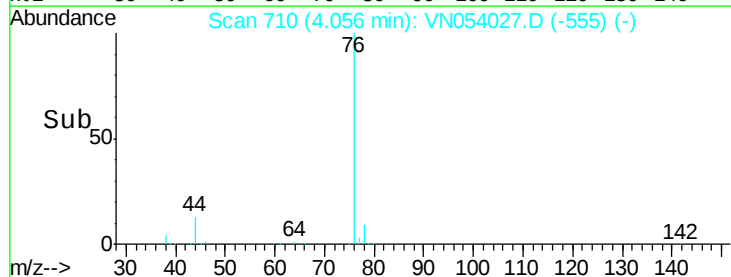
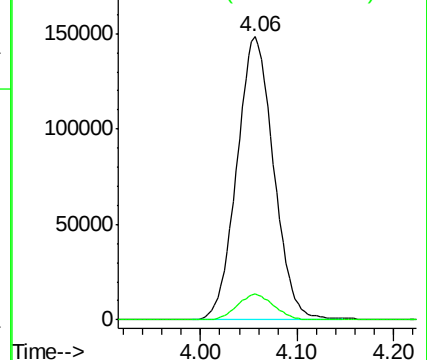
76 100

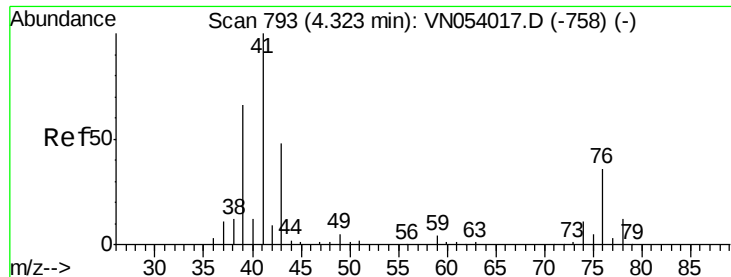
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

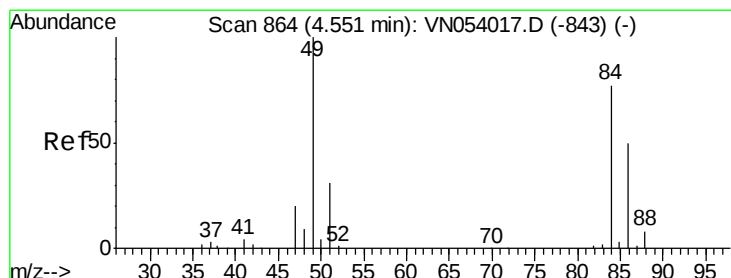
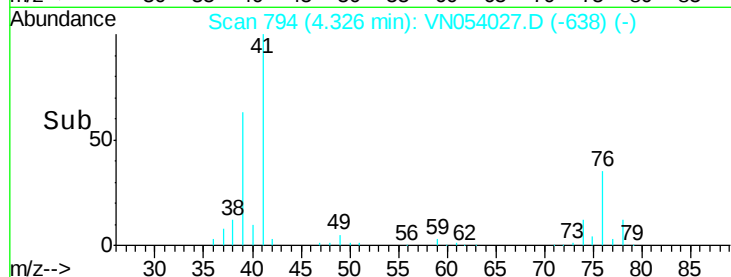
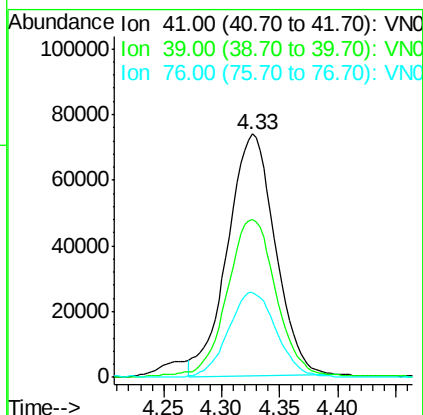
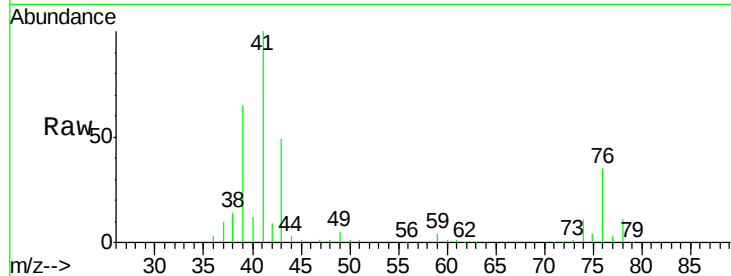




#17
Allvl chloride
Concen: 18.714 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

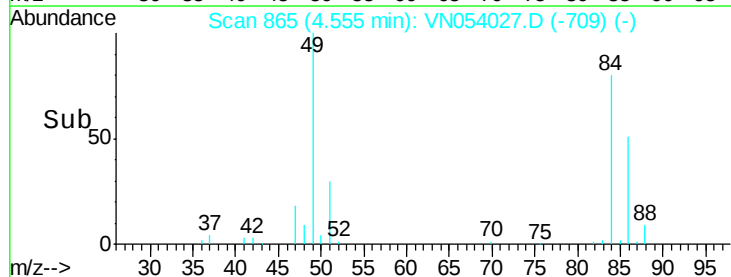
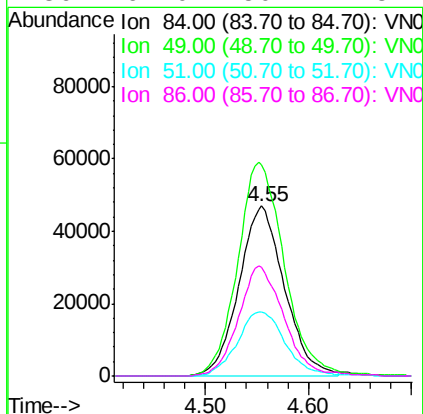
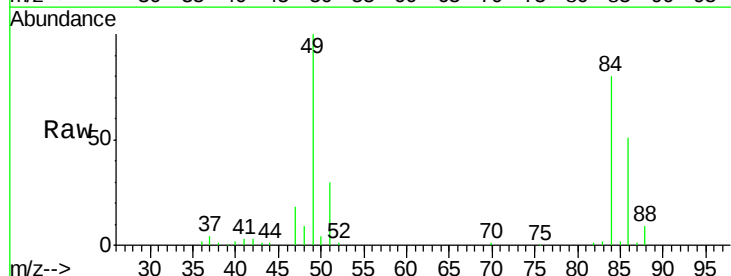
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

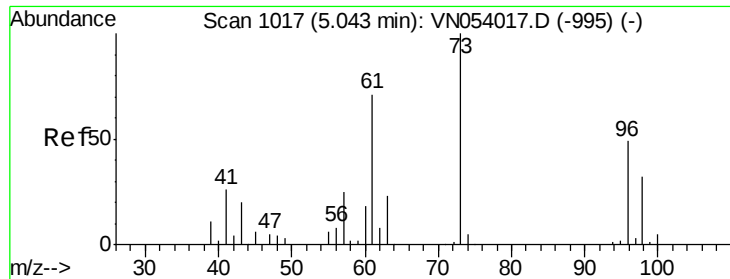
Tot Ion: 41 Resp: 209335
Ion Ratio Lower Upper
41 100
39 64.4 32.8 98.3
76 34.7 18.6 55.8



#18
Methylene Chloride
Concen: 19.693 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 84 Resp: 143832
Ion Ratio Lower Upper
84 100
49 124.4 101.4 152.0
51 37.5 31.7 47.5
86 64.0 50.1 75.1

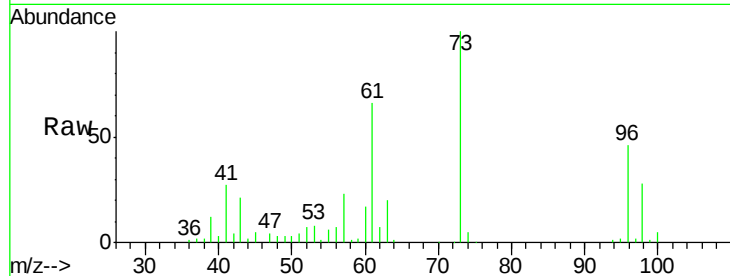




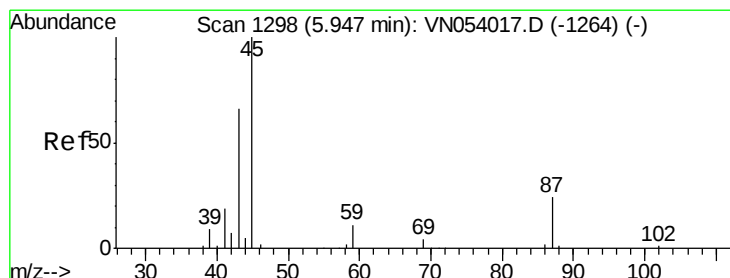
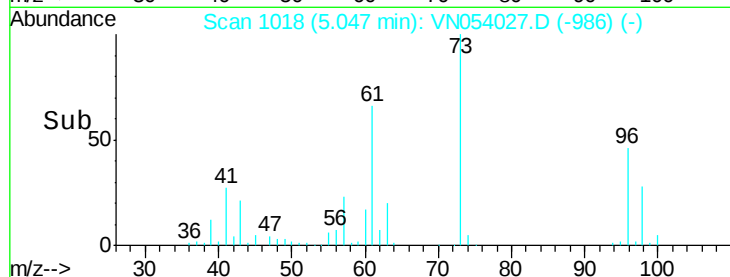
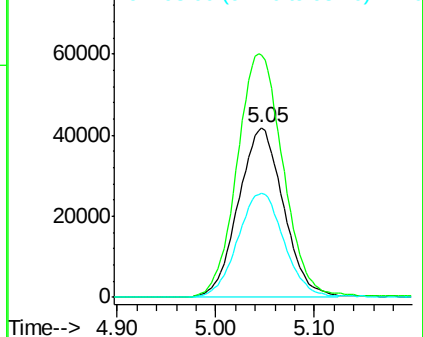
#19
trans-1,2-Dichloroethene
Concen: 19.322 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion: 96 Resp: 132585
Ion Ratio Lower Upper
96 100
61 142.6 118.2 177.4
98 61.2 51.4 77.2

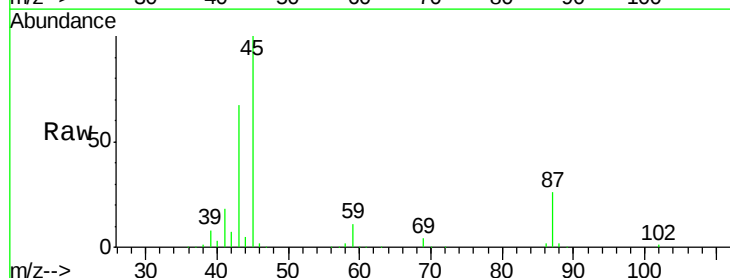


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

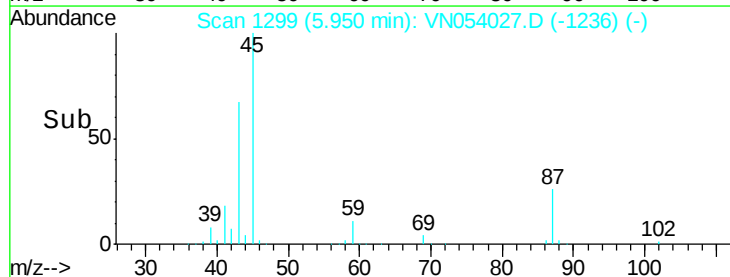
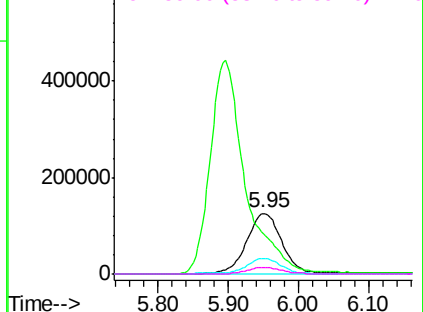


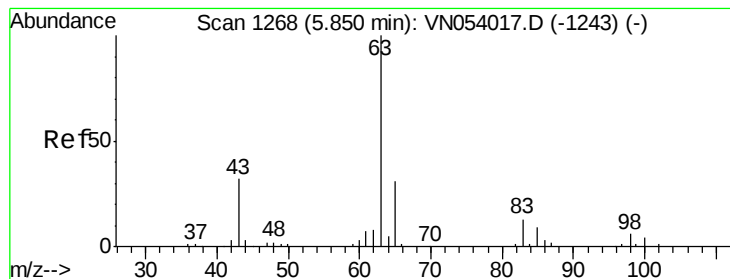
#20
Diisopropyl ether
Concen: 19.660 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 45 Resp: 439931
Ion Ratio Lower Upper
45 100
43 63.6 47.8 71.8
87 25.6 21.3 31.9
59 11.2 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.546 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

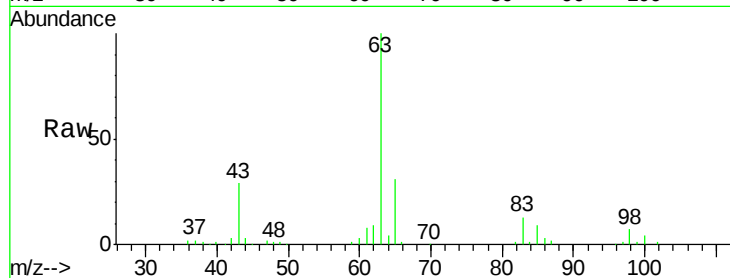
Tot Ion: 63 Resp: 258303

Ion Ratio Lower Upper

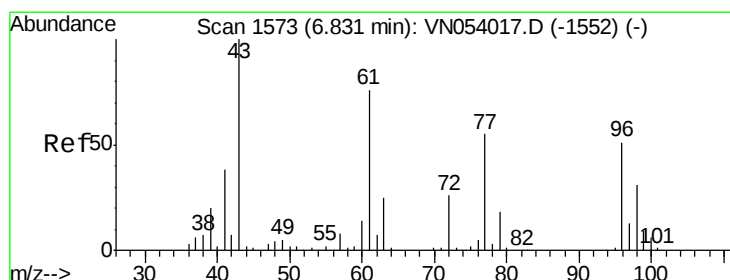
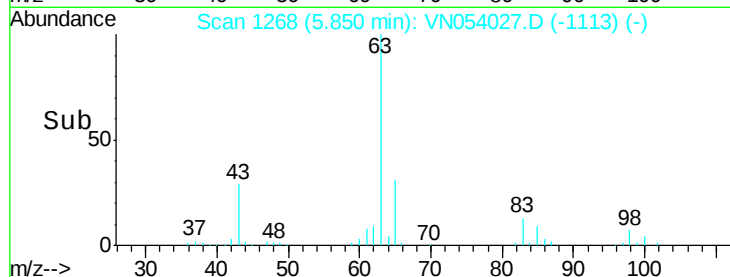
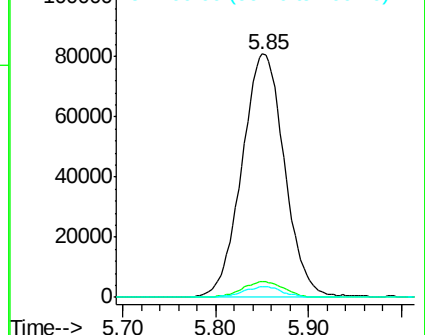
63 100

98 6.5 3.0 9.2

100 4.3 1.8 5.5



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



#22

cis-1,2-Dichloroethene

Concen: 19.527 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

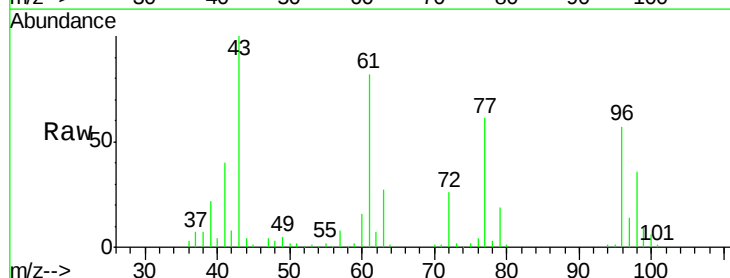
Tgt Ion: 96 Resp: 149169

Ion Ratio Lower Upper

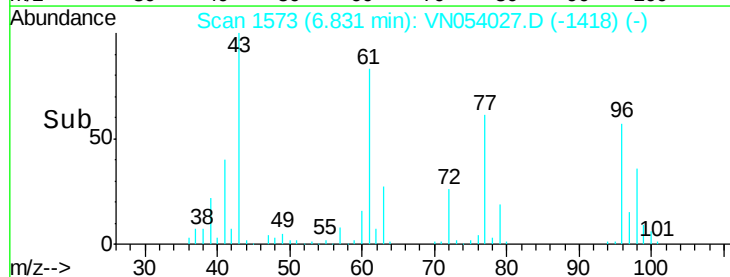
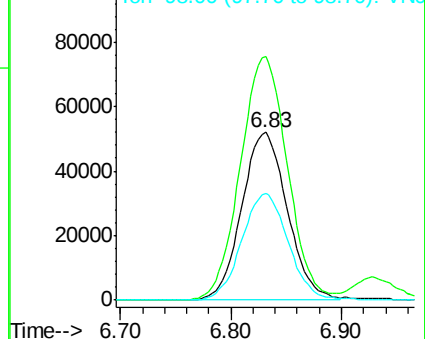
96 100

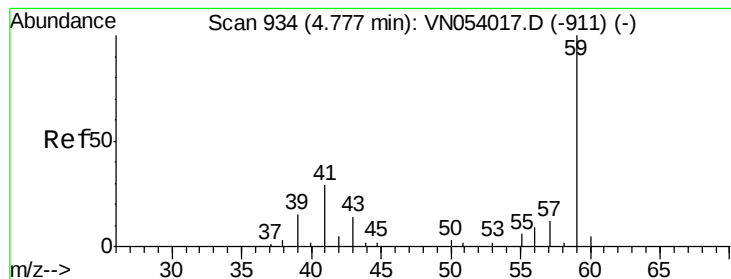
61 150.2 116.7 175.1

98 64.8 50.8 76.2



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



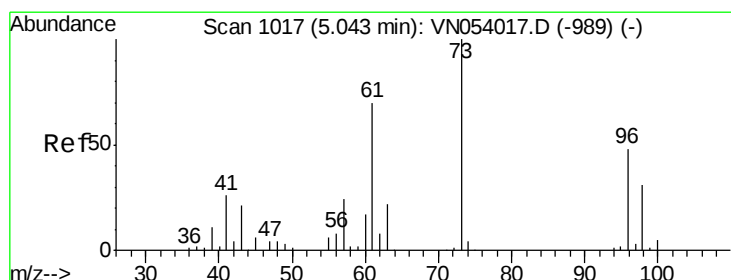
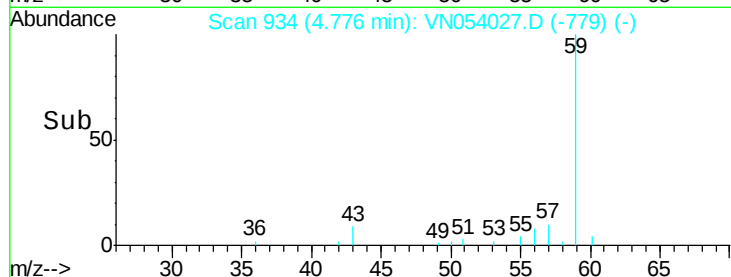
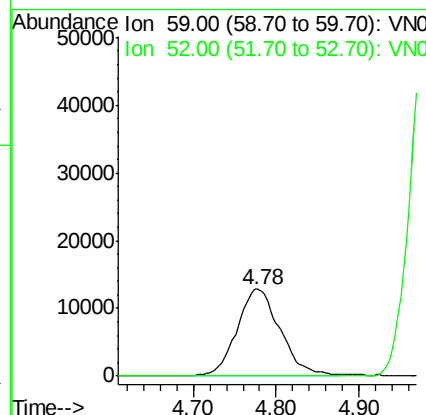
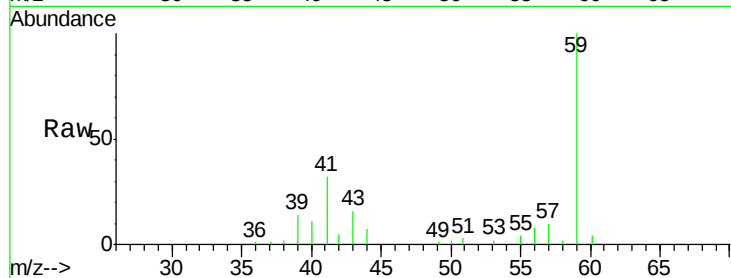


#23

tert-Butyl Alcohol
 Concen: 101.570 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

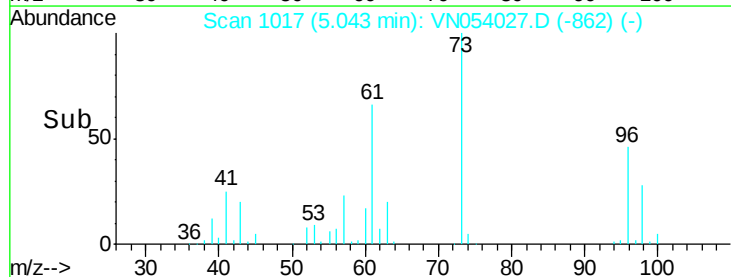
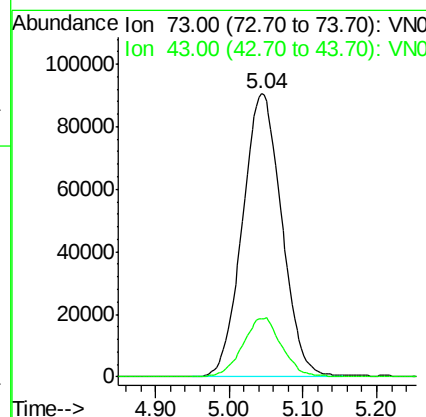
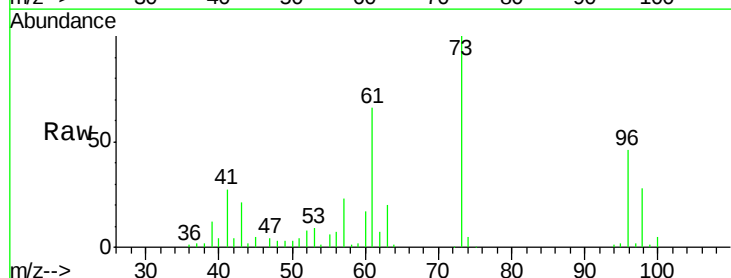
Tot Ion: 59 Resp: 46622
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

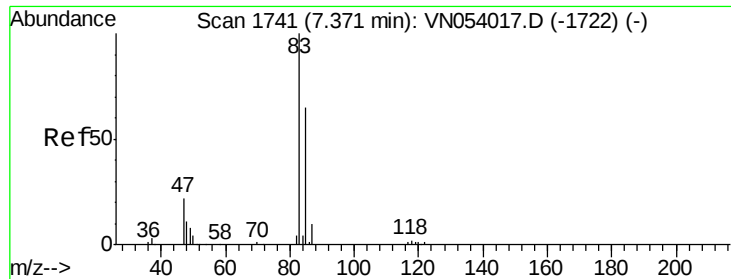


#24

Methyl tert-Butyl Ether
 Concen: 19.655 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 73 Resp: 336543
 Ion Ratio Lower Upper
 73 100
 43 20.6 15.8 23.8





#25

Chloroform

Concen: 19.728 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

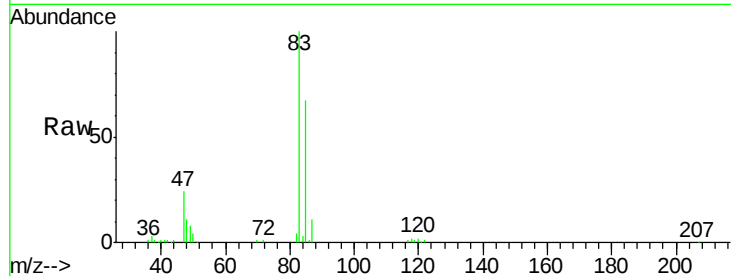
VN0301WBS01

Tot Ion: 83 Resp: 251555

Ion Ratio Lower Upper

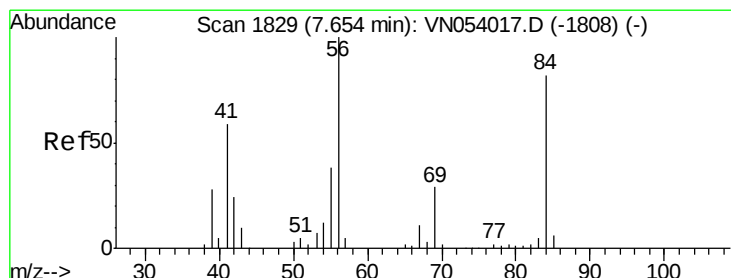
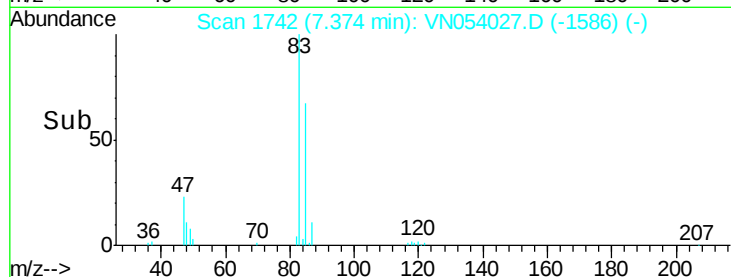
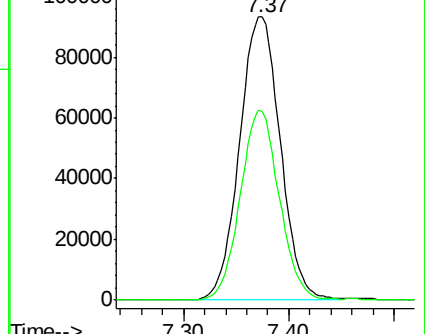
83 100

85 66.6 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.354 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

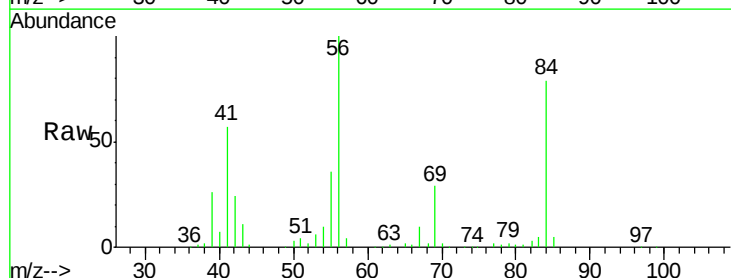
Tgt Ion: 56 Resp: 232769

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

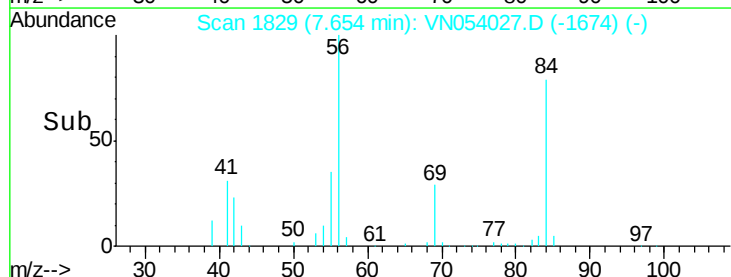
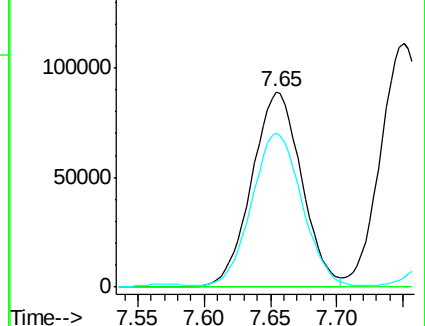
84 80.5 66.2 99.2

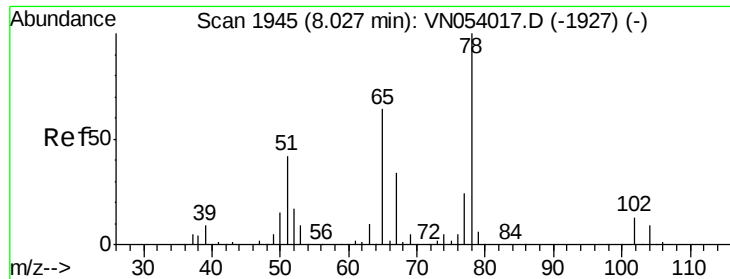


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

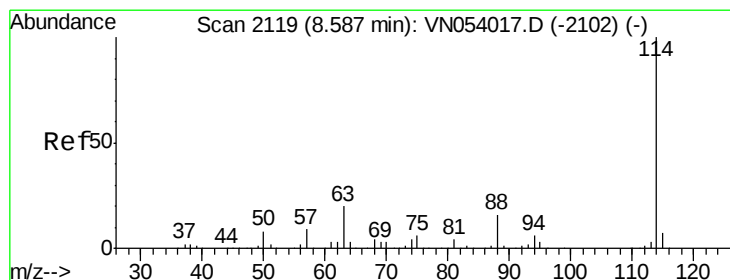
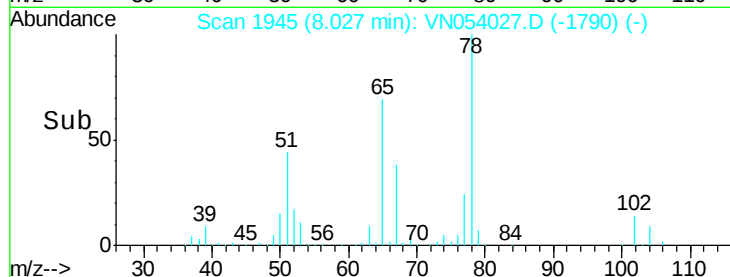
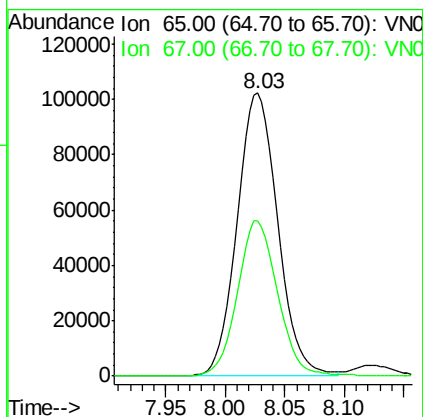
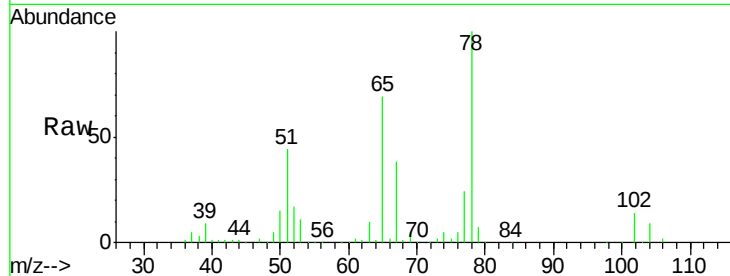




#27
 1,2-Dichloroethane-d4
 Concen: 19.354 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

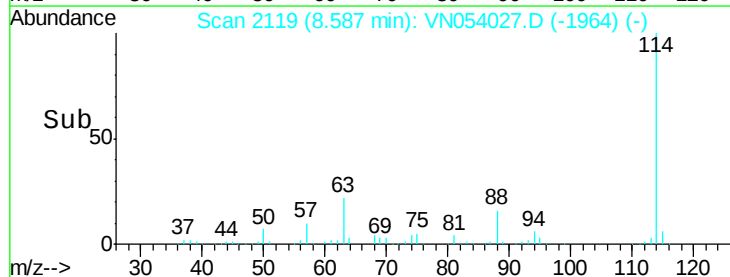
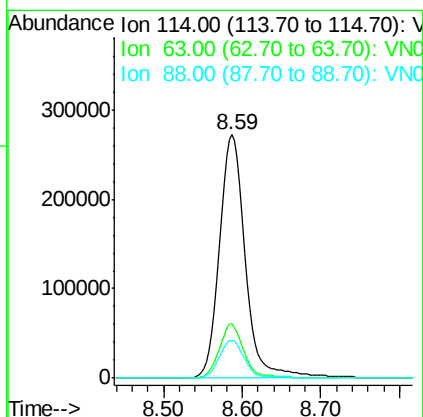
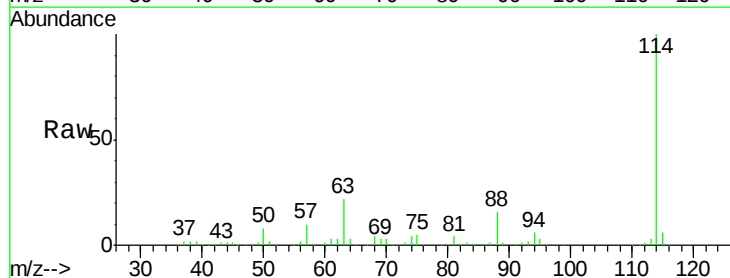
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

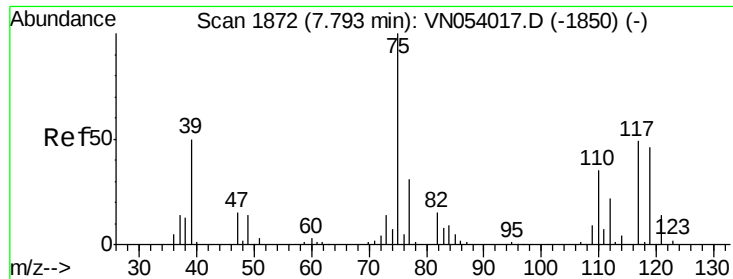
Tot Ion: 65 Resp: 242562
 Ion Ratio Lower Upper
 65 100
 67 54.1 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 114 Resp: 617896
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.9 25.3
 88 14.9 12.8 19.2

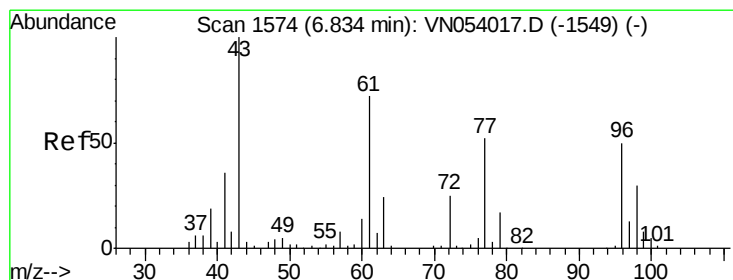
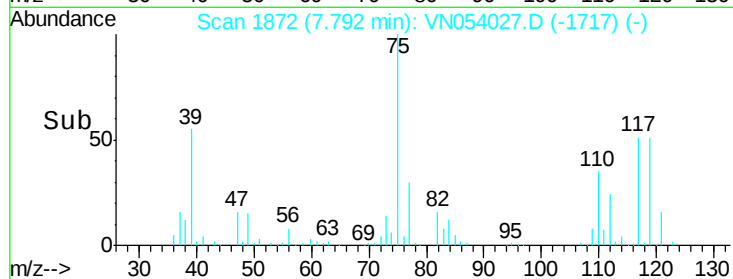
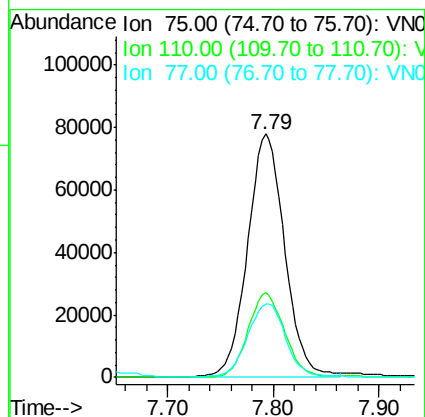
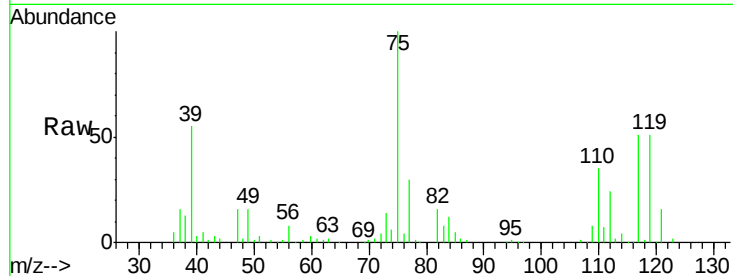




#29
 1,1-Dichloropropene
 Concen: 19.782 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

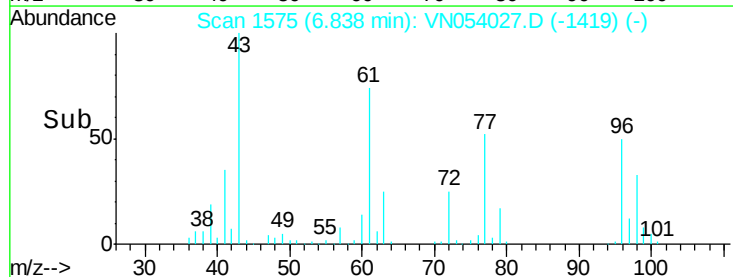
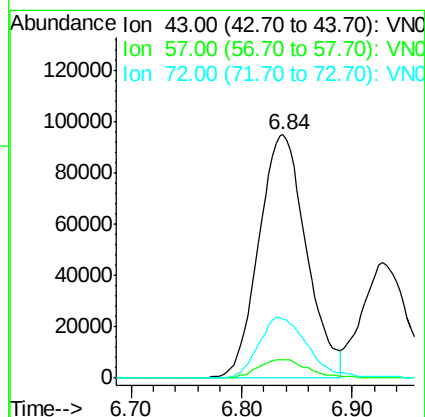
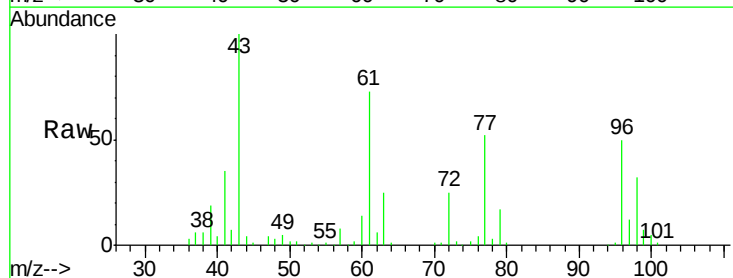
Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBS01

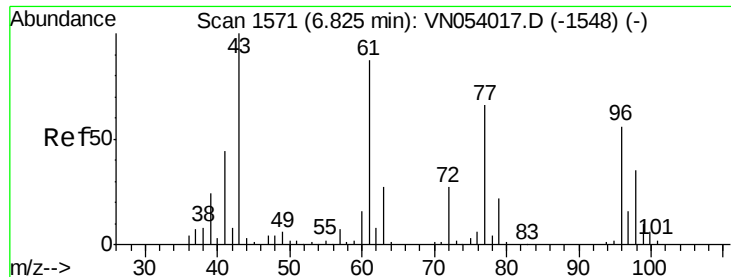
Tot Ion: 75 Resp: 191459
 Ion Ratio Lower Upper
 75 100
 110 34.2 0.0 70.2
 77 31.0 0.0 62.6



#30
 2-Butanone
 Concen: 93.183 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 43 Resp: 284758
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 25.5 21.0 31.6

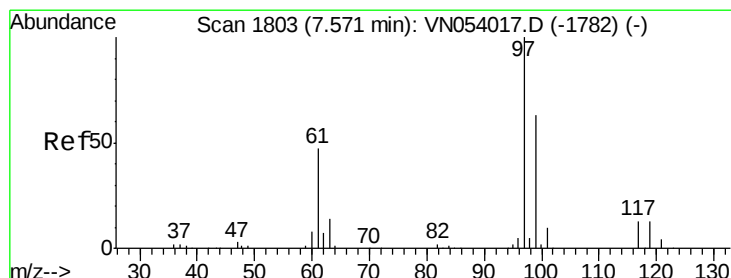
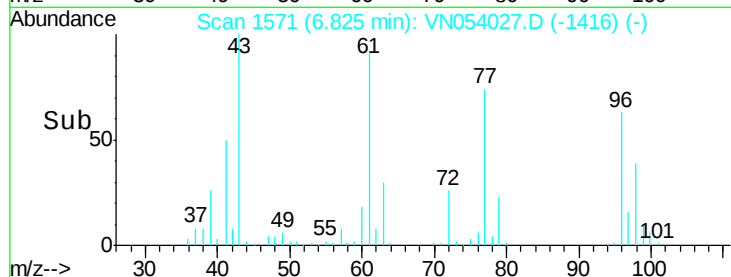
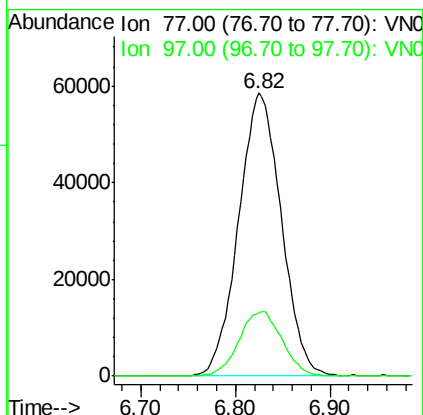
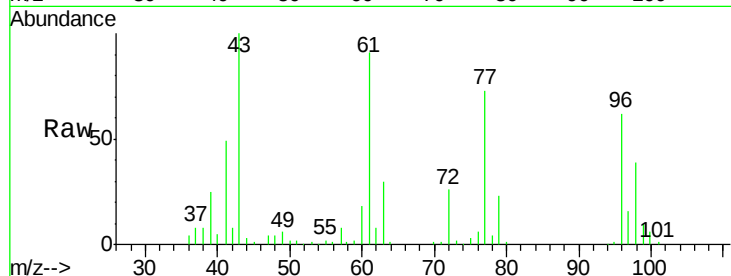




#31
 2,2-Dichloropropane
 Concen: 19.246 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

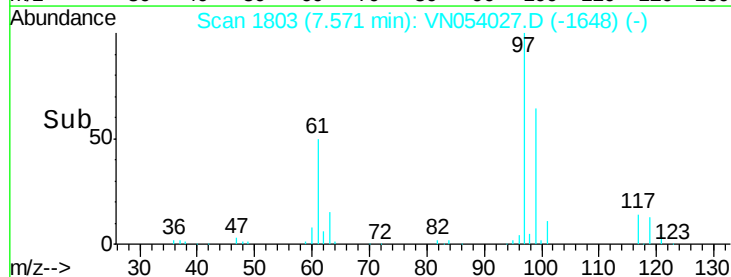
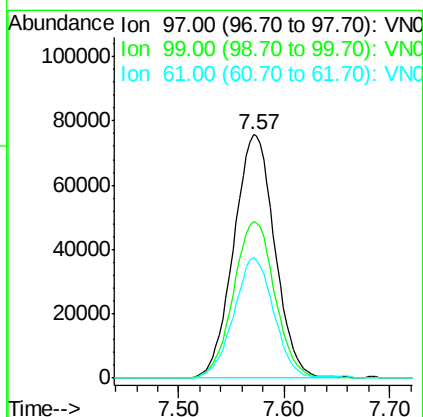
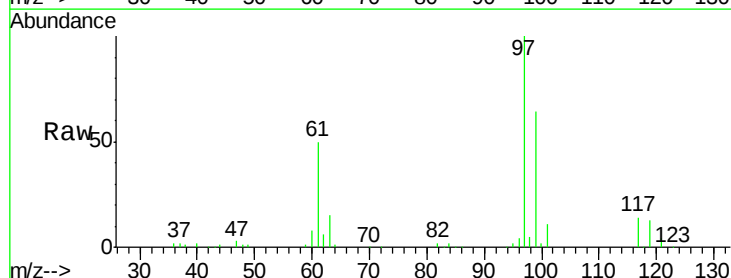
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

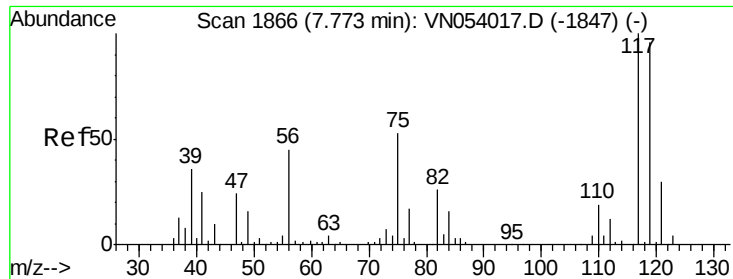
Tot Ion: 77 Resp: 183673
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.653 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 97 Resp: 204598
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.9 76.3
 61 48.0 38.1 57.1

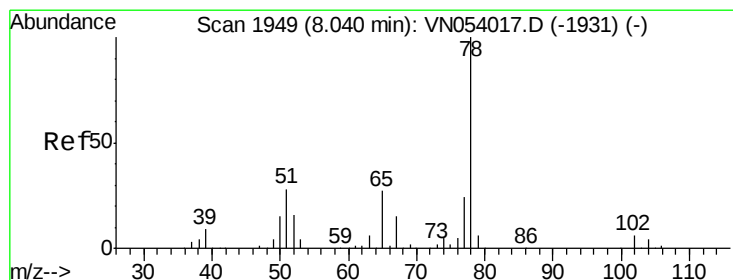
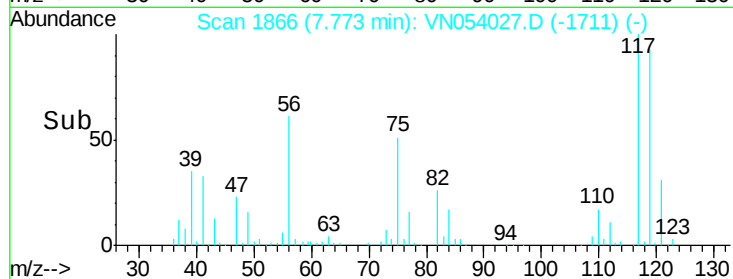
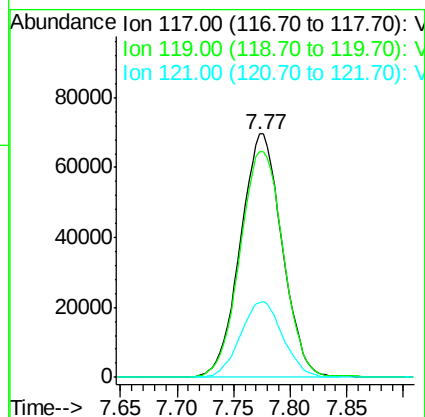
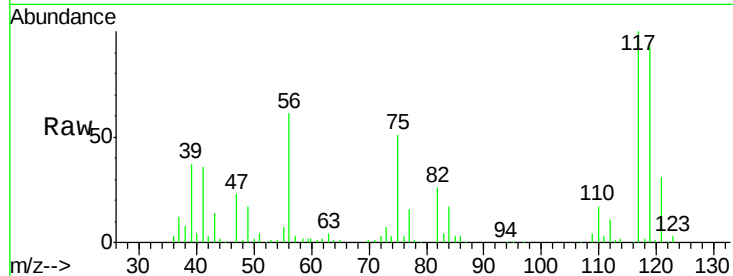




#33
Carbon Tetrachloride
Concen: 19.401 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

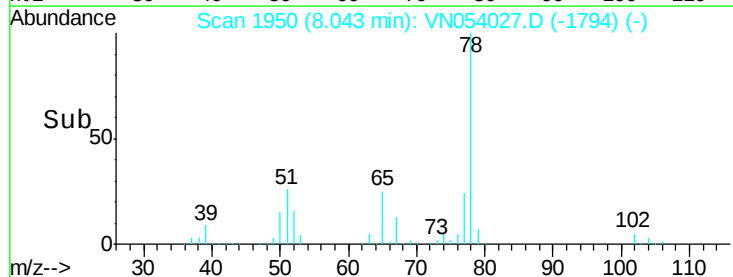
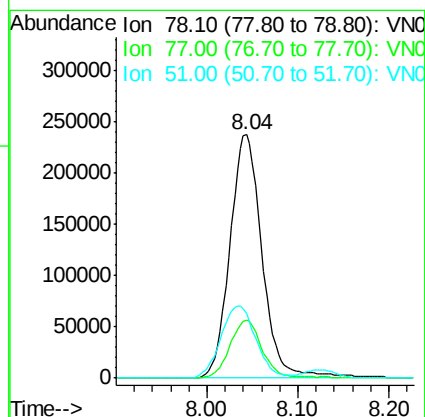
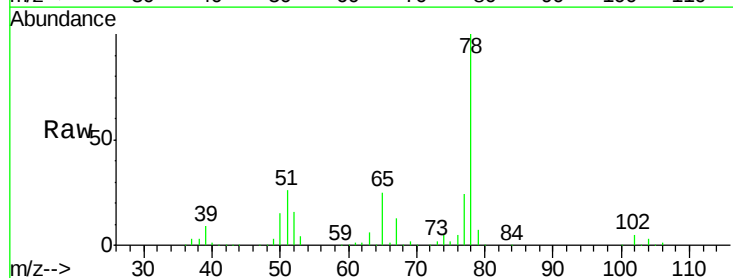
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

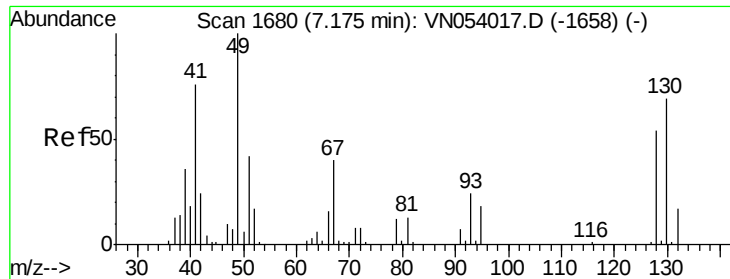
Tot Ion:117 Resp: 178830
Ion Ratio Lower Upper
117 100
119 92.6 77.3 115.9
121 30.9 24.9 37.3



#34
Benzene
Concen: 20.177 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 78 Resp: 580383
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
51 26.2 20.5 30.7

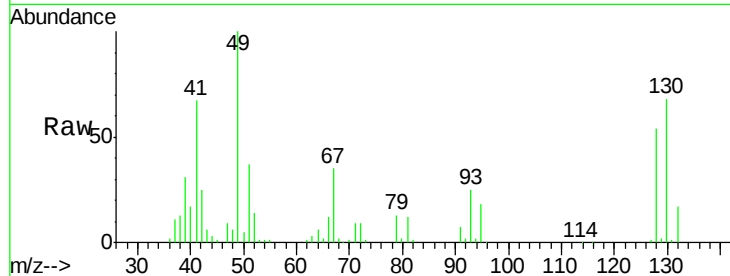




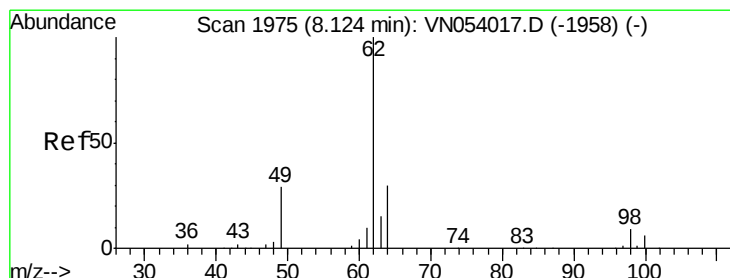
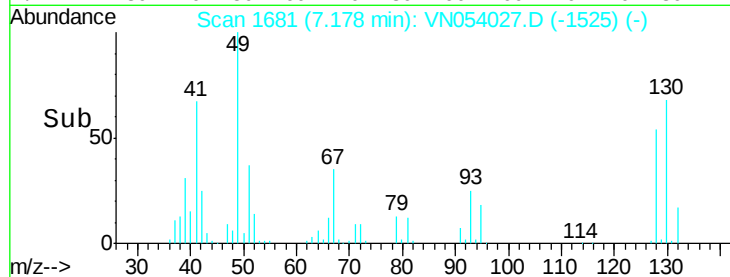
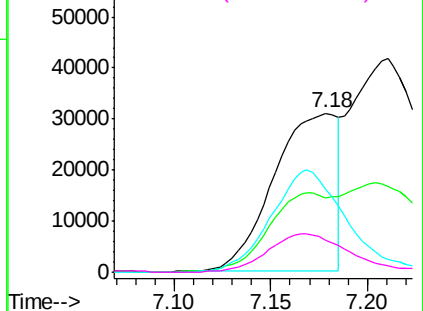
#35
Methacrylonitrile
Concen: 20.716 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion: 41 Resp: 70786
Ion Ratio Lower Upper
41 100
39 46.7 26.6 79.7
67 53.1 32.3 96.9
52 20.7 13.0 38.9

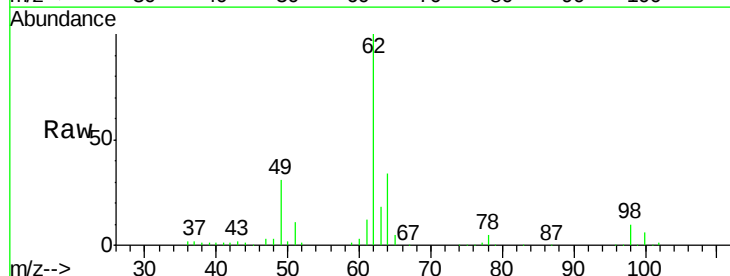


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

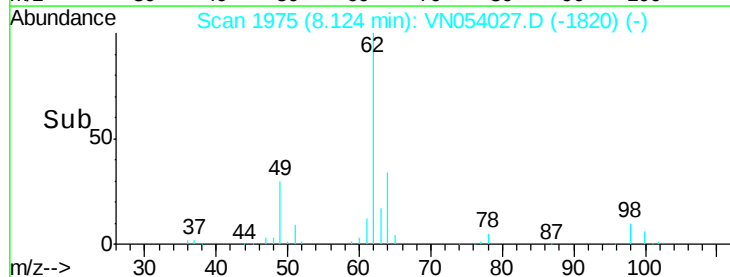
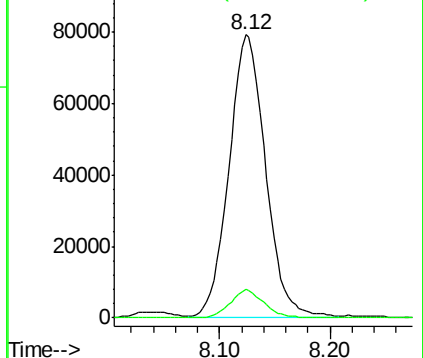


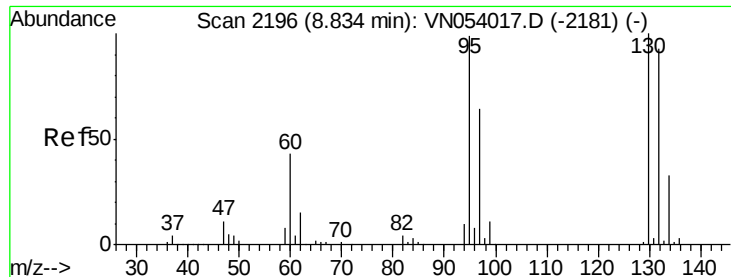
#36
1,2-Dichloroethane
Concen: 19.671 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 62 Resp: 181690
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2



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





#37

Trichloroethene

Concen: 19.744 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

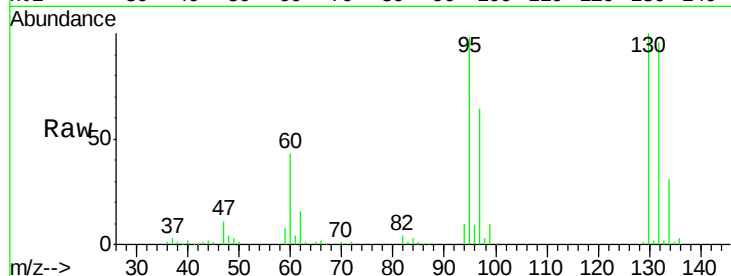
VN0301WBS01

Tot Ion:130 Resp: 148248

Ion Ratio Lower Upper

130 100

95 97.5 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

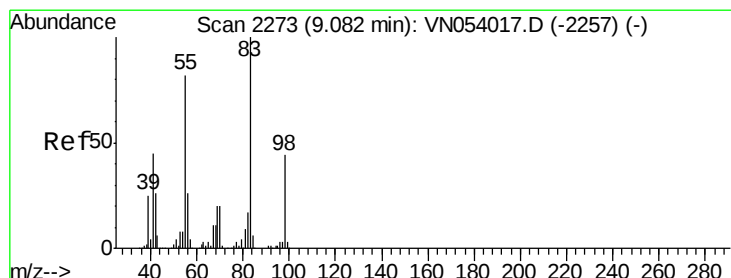
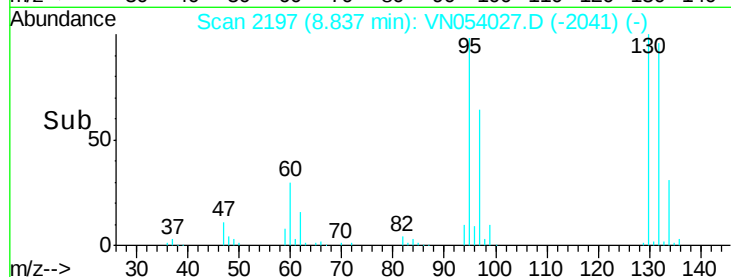
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 18.793 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

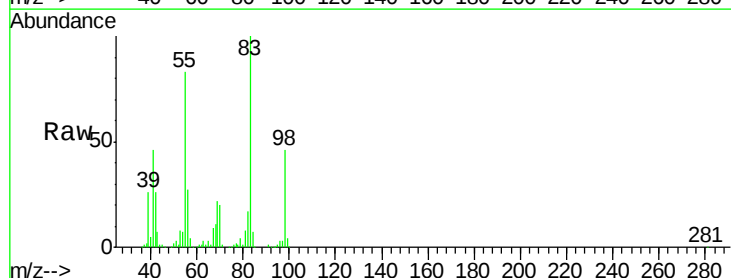
Tgt Ion: 83 Resp: 214683

Ion Ratio Lower Upper

83 100

55 81.7 39.8 119.4

98 45.5 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

120000

100000

80000

60000

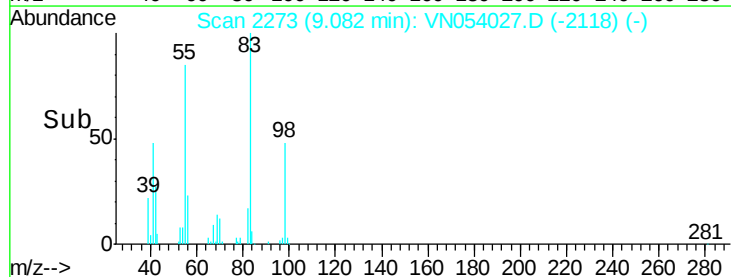
40000

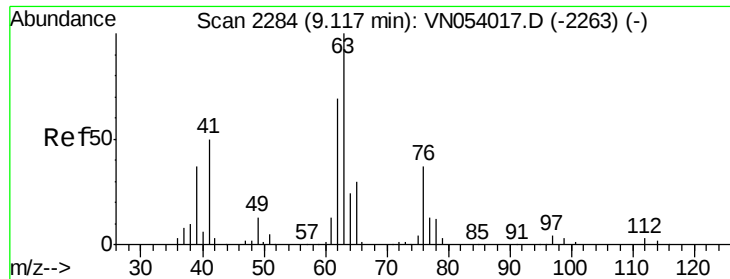
20000

0

9.00 9.05 9.10 9.15 9.20

Time-->

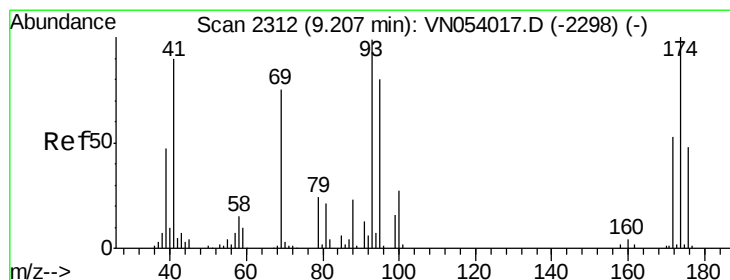
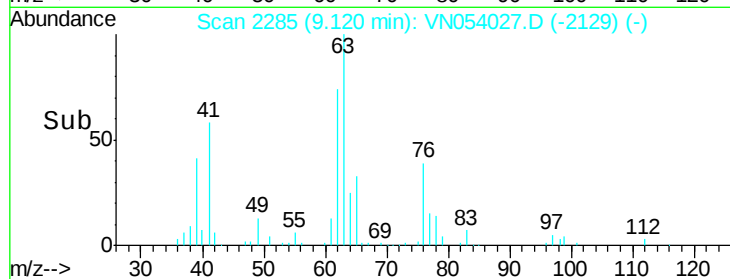
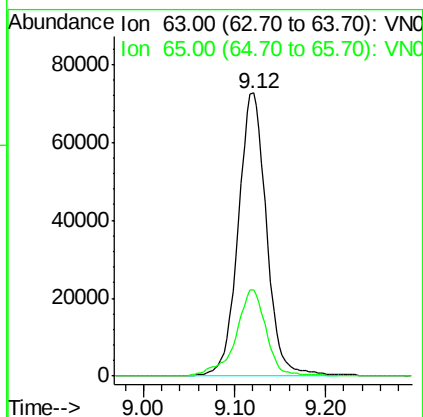
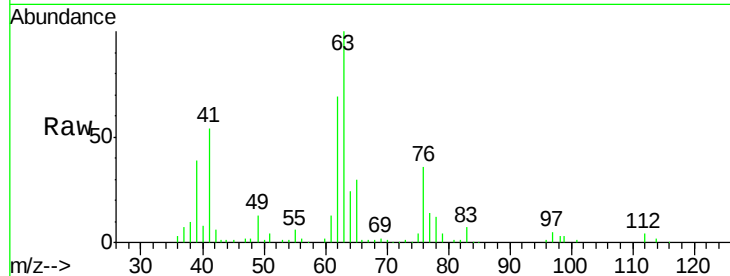




#39
 1,2-Dichloropropane
 Concen: 19.923 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

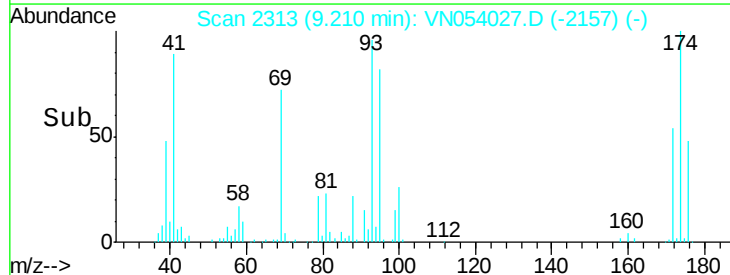
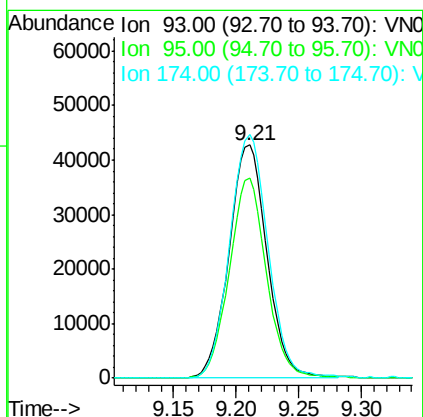
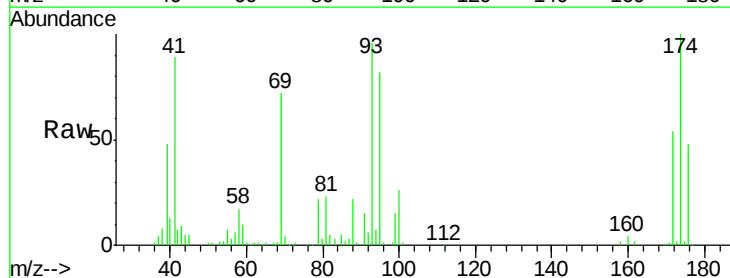
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

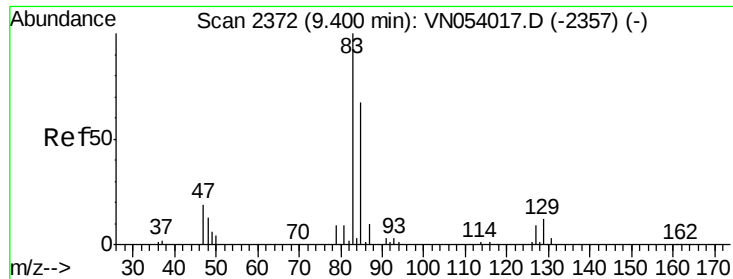
Tot Ion: 63 Resp: 156996
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 35.4



#40
 Dibromomethane
 Concen: 20.000 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 93 Resp: 90347
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 168.4
 174 105.1 0.0 210.0





#41

Bromodichloromethane

Concen: 19.863 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

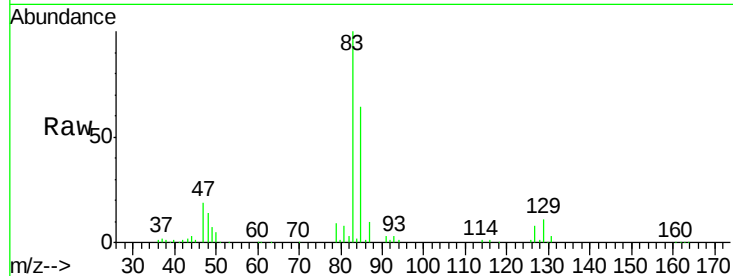
Tot Ion: 83 Resp: 190385

Ion Ratio Lower Upper

83 100

85 63.5 52.4 78.6

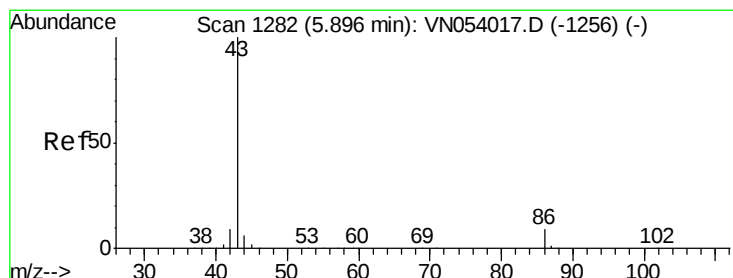
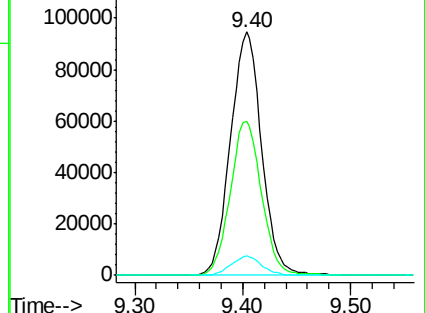
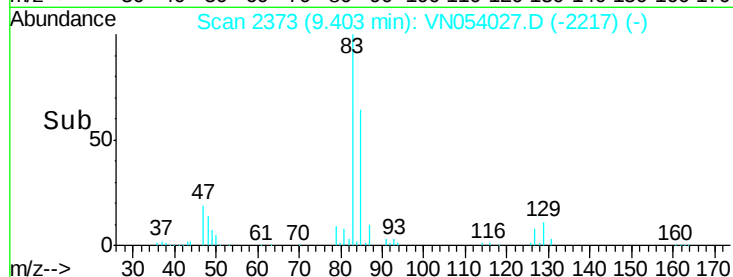
127 7.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.194 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054027.D

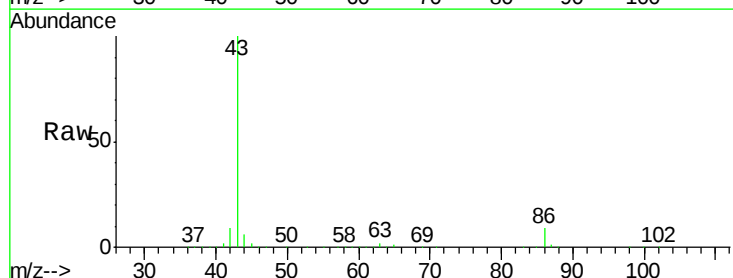
Acq: 1 Mar 2019 14:10

Tgt Ion: 43 Resp: 1534447

Ion Ratio Lower Upper

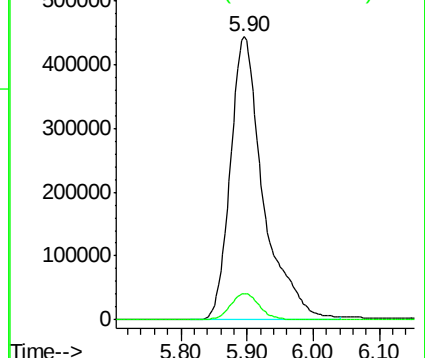
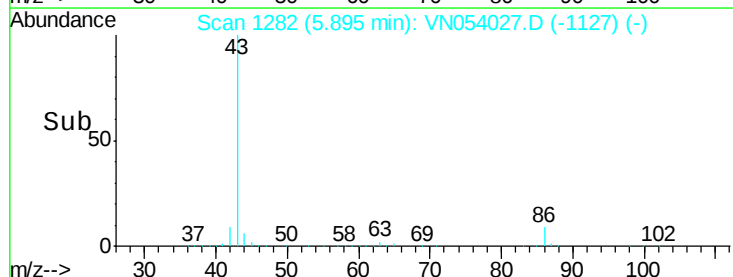
43 100

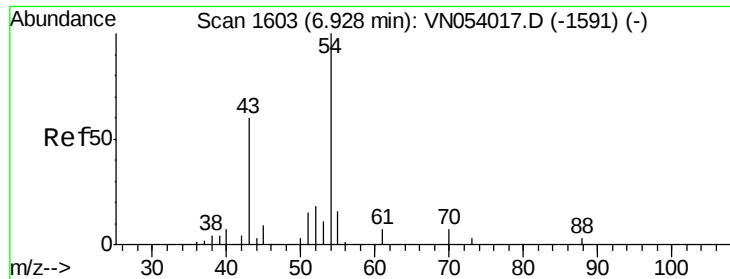
86 8.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.761 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

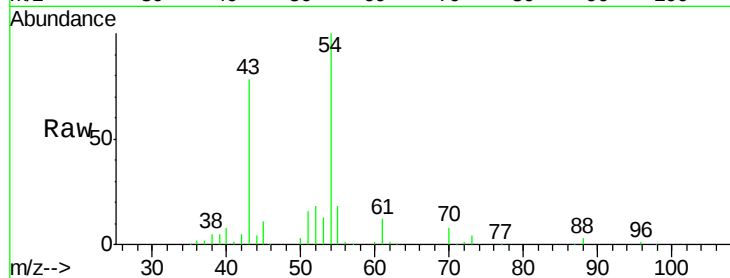
VN0301WBS01

Tot Ion: 43 Resp: 120088

Ion Ratio Lower Upper

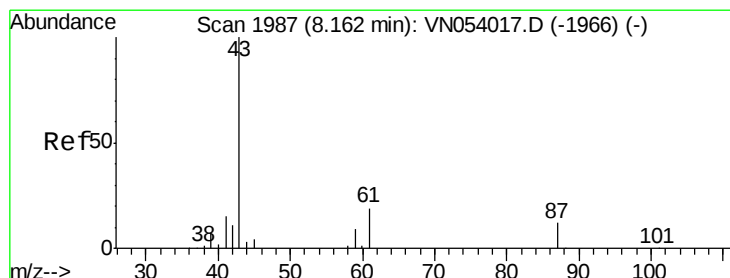
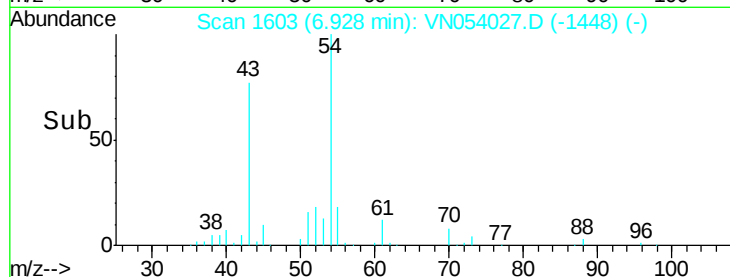
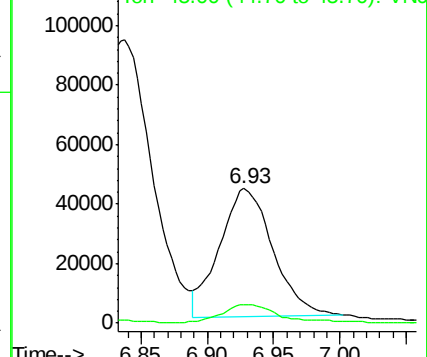
43 100

45 13.6 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.626 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN054027.D

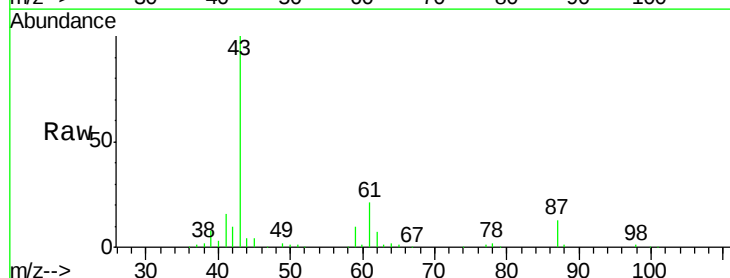
Acq: 1 Mar 2019 14:10

Tgt Ion: 43 Resp: 220433

Ion Ratio Lower Upper

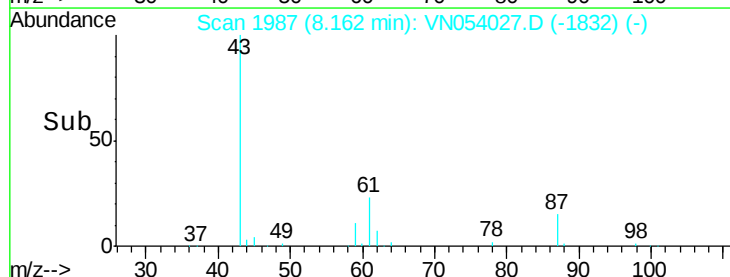
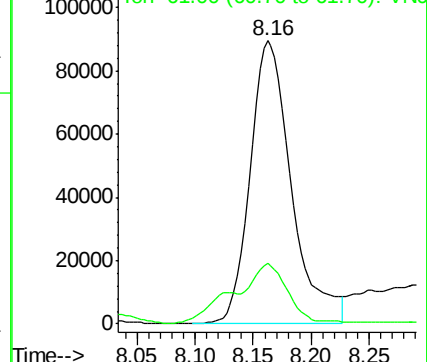
43 100

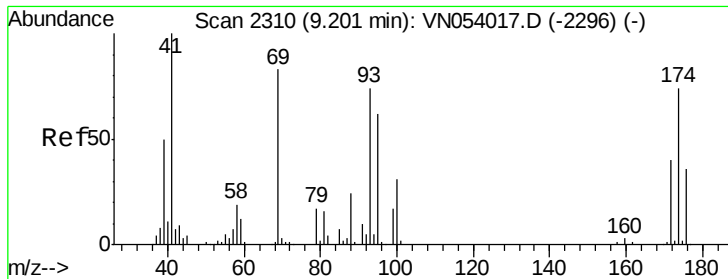
61 18.2 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 418.906 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

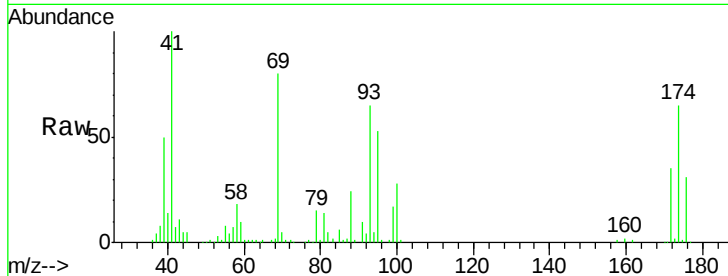
Tot Ion: 88 Resp: 27552

Ion Ratio Lower Upper

88 100

43 36.7 29.5 44.3

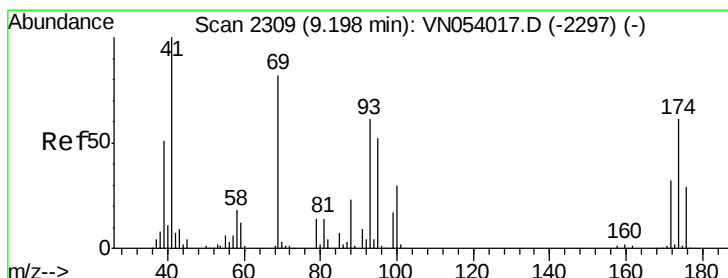
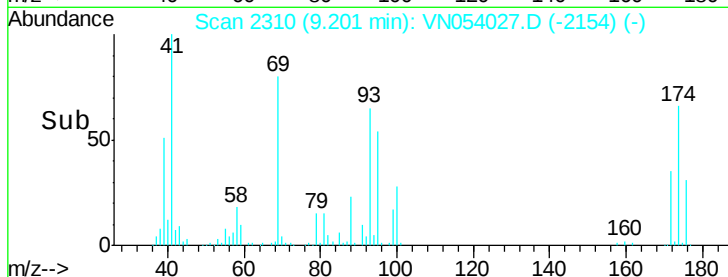
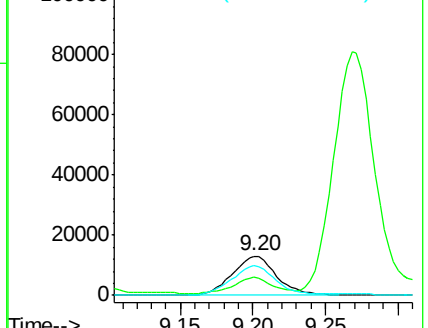
58 75.1 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.703 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

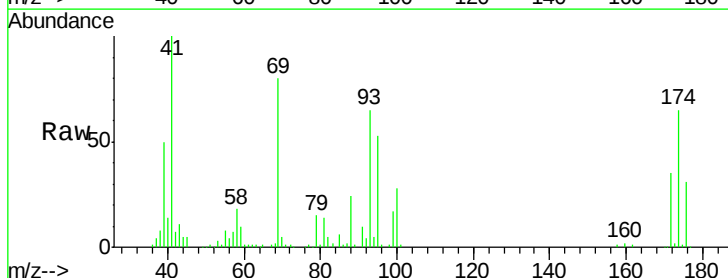
Tgt Ion: 41 Resp: 100900

Ion Ratio Lower Upper

41 100

69 82.7 42.5 127.6

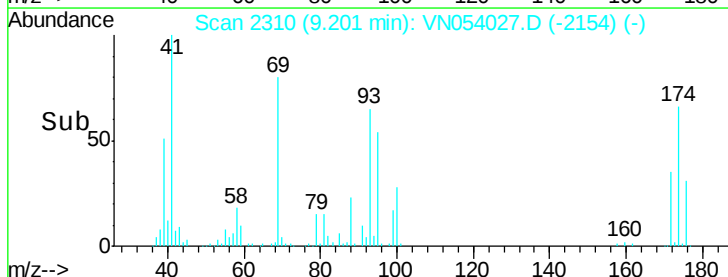
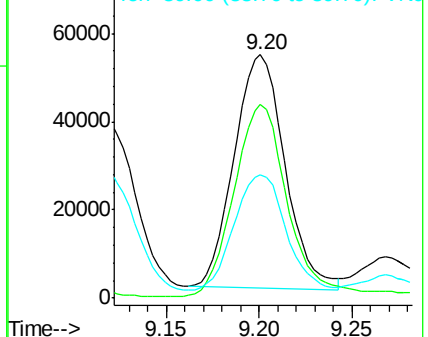
39 49.6 26.3 78.9

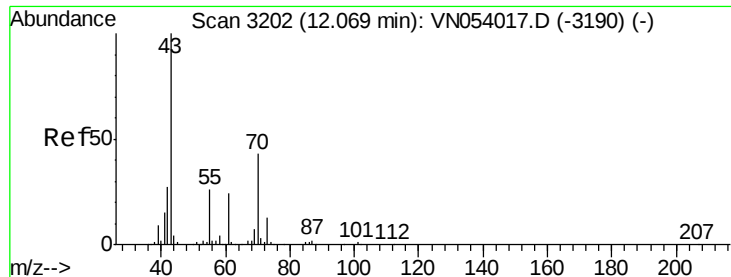


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

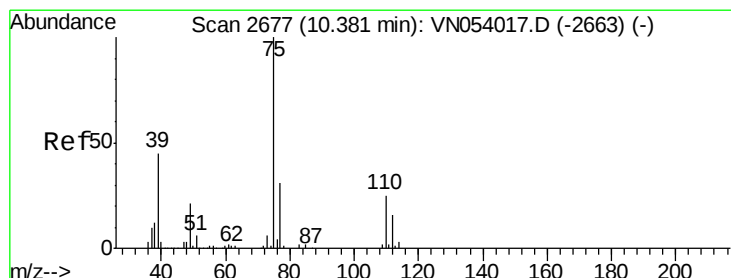
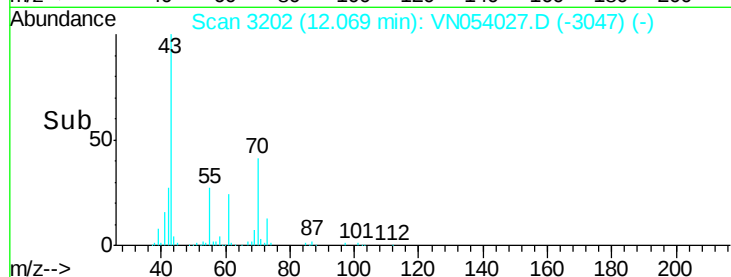
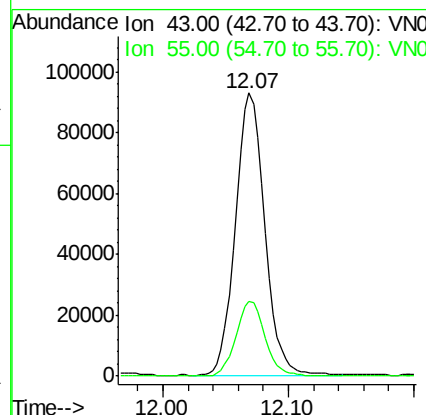
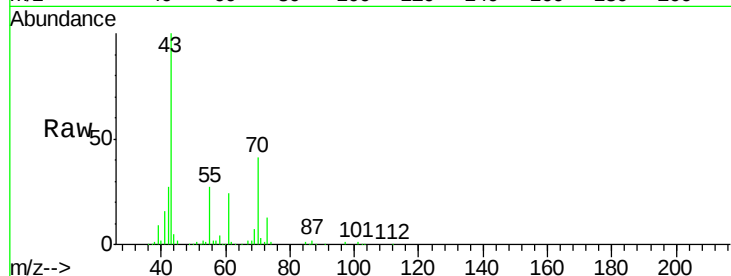




#47
n-amyl Acetate
Concen: 18.191 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

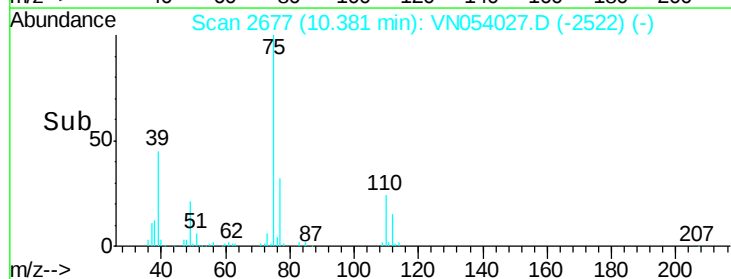
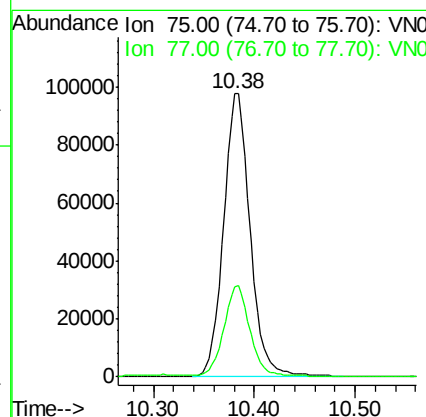
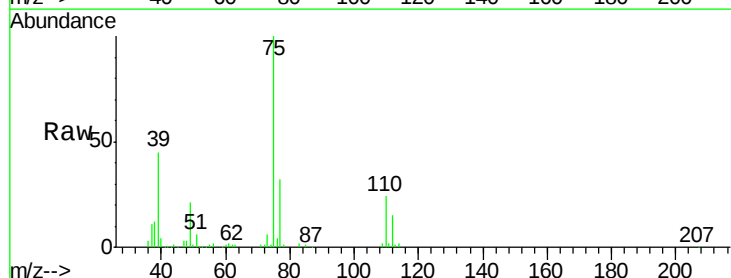
Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

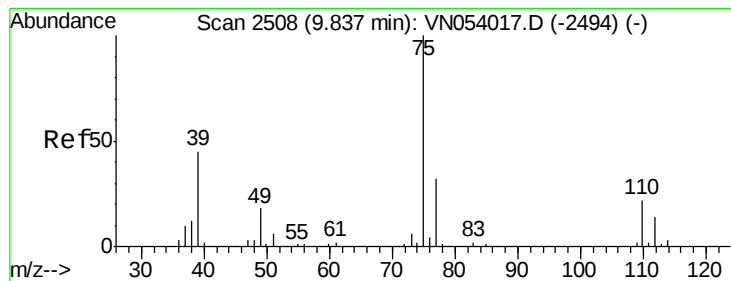
Tot Ion: 43 Resp: 150091
Ion Ratio Lower Upper
43 100
55 26.3 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 18.740 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 75 Resp: 180095
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4



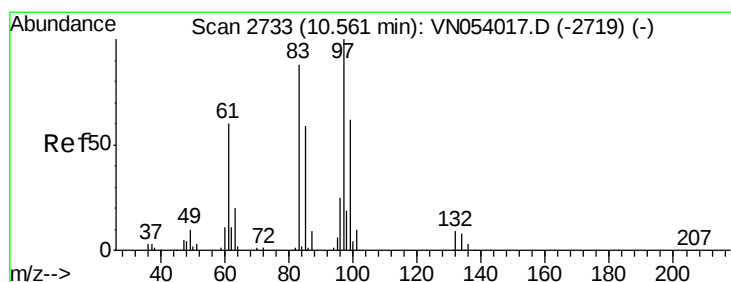
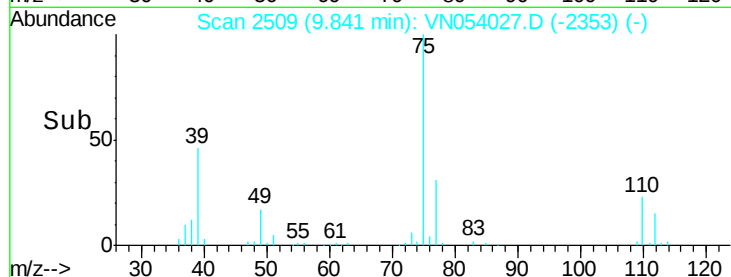
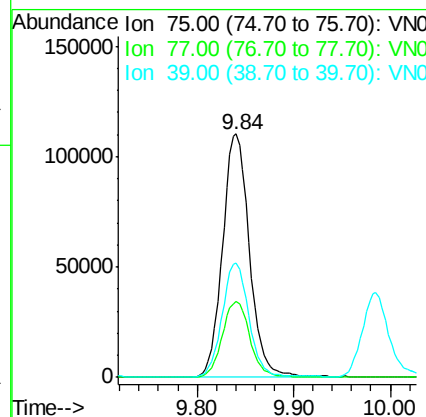
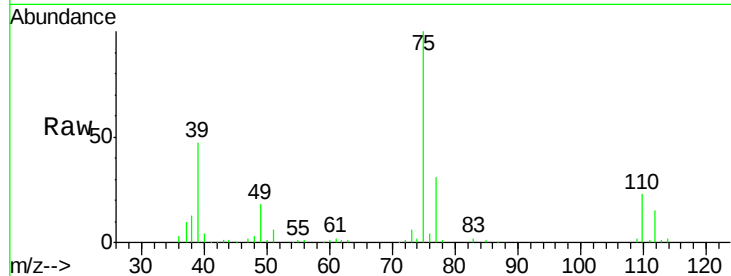


#49

cis-1,3-Dichloropropene
 Concen: 18.952 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

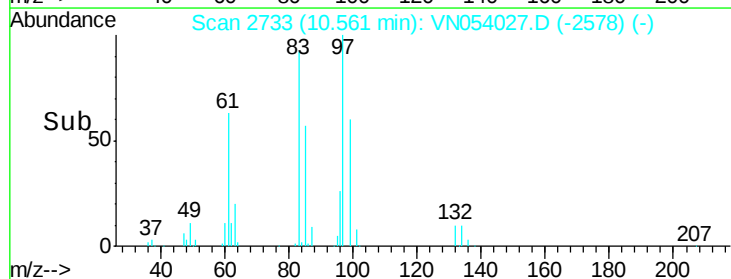
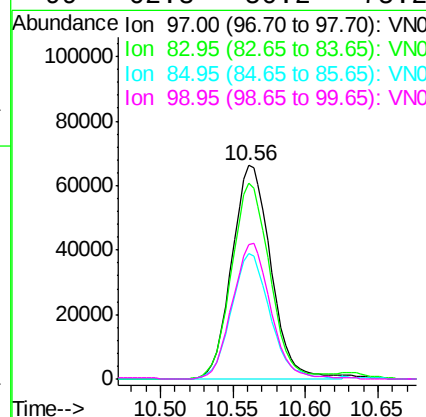
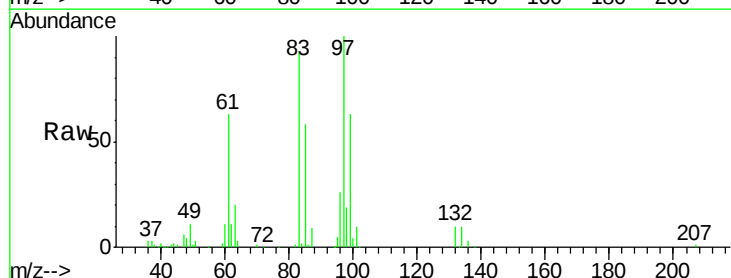
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	46.7	37.3	55.9

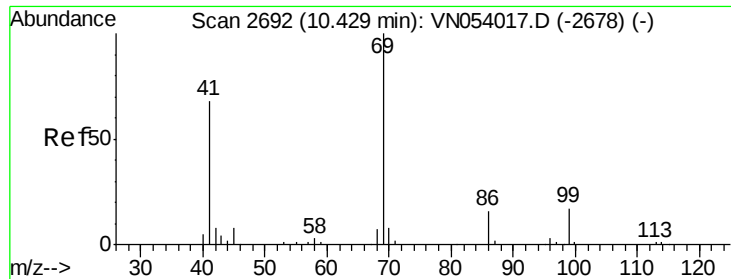


#50

1,1,2-Trichloroethane
 Concen: 19.521 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.3	70.4	105.6
85	58.5	45.0	67.6
99	62.8	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.757 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

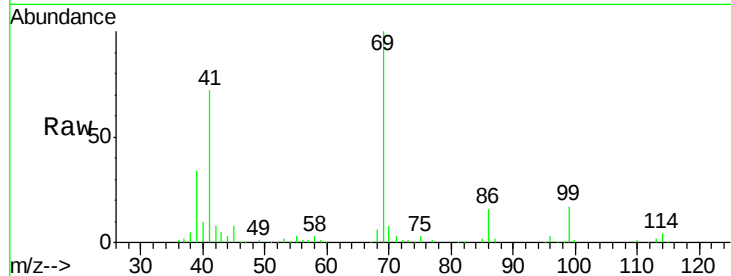
Tot Ion: 69 Resp: 143086

Ion Ratio Lower Upper

69 100

41 71.4 34.4 103.3

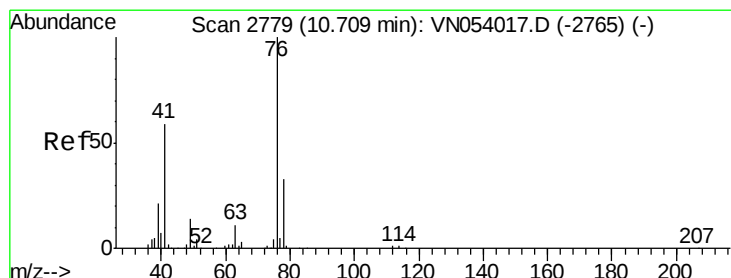
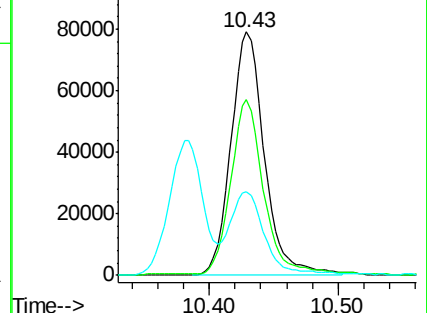
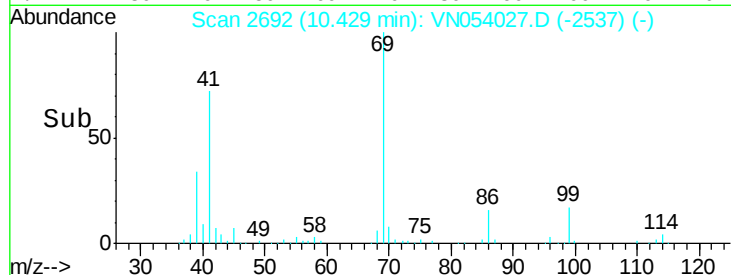
39 33.7 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.929 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054027.D

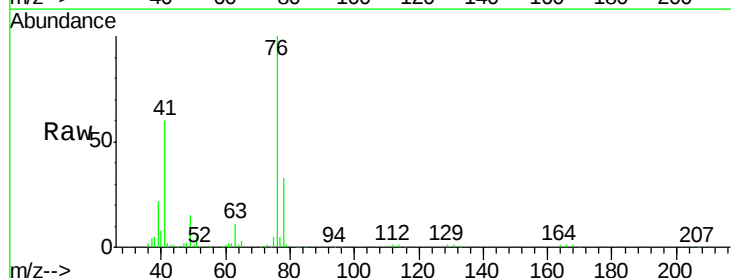
Acq: 1 Mar 2019 14:10

Tgt Ion: 76 Resp: 216735

Ion Ratio Lower Upper

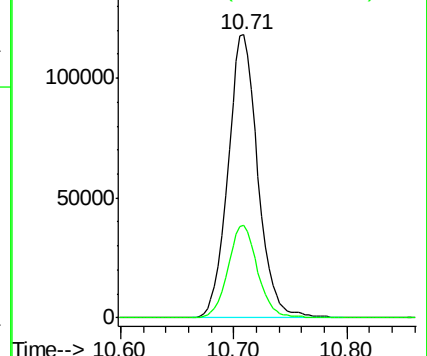
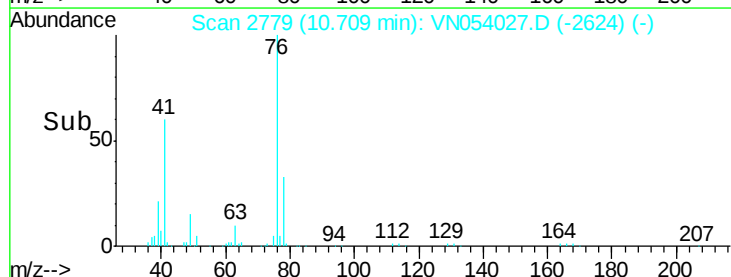
76 100

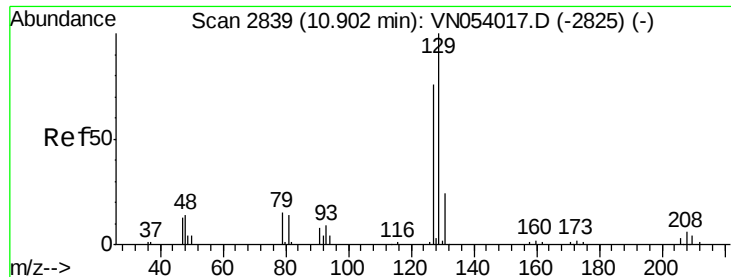
78 32.2 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

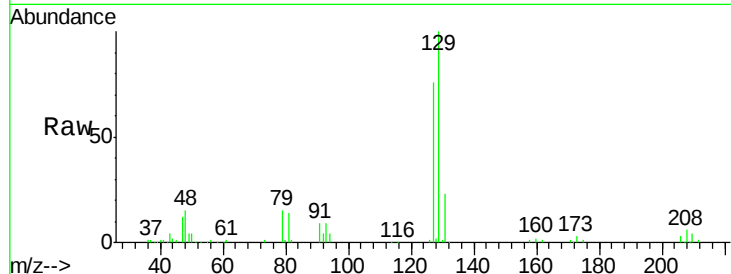




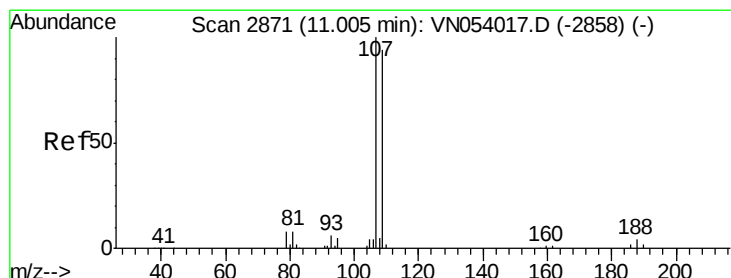
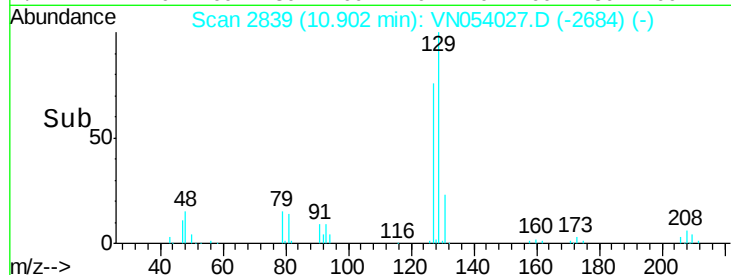
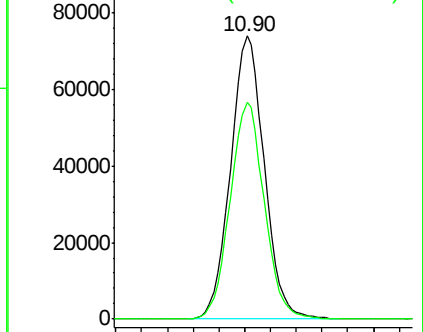
#53
Dibromochloromethane
Concen: 19.296 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion:129 Resp: 134358
Ion Ratio Lower Upper
129 100
127 77.5 37.6 112.8

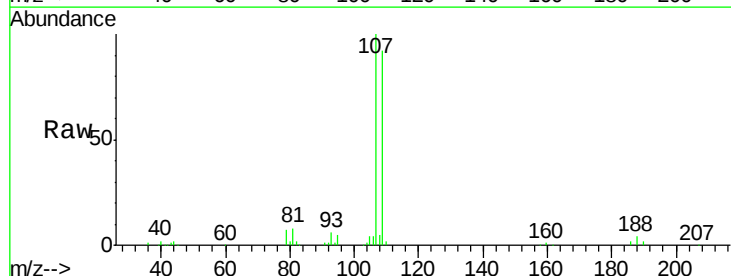


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

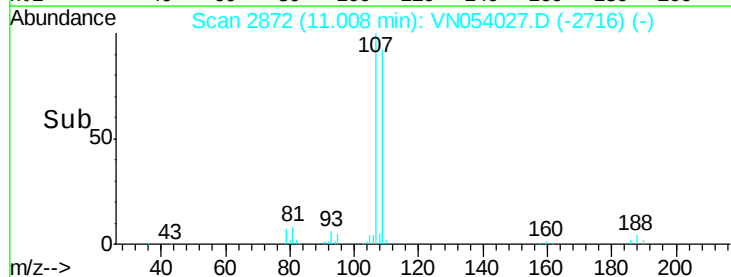
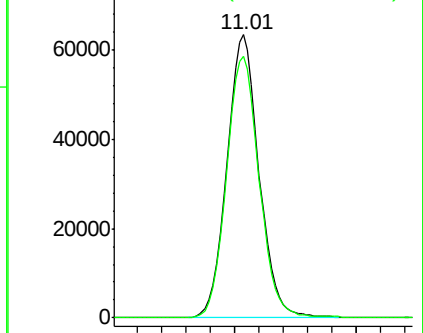


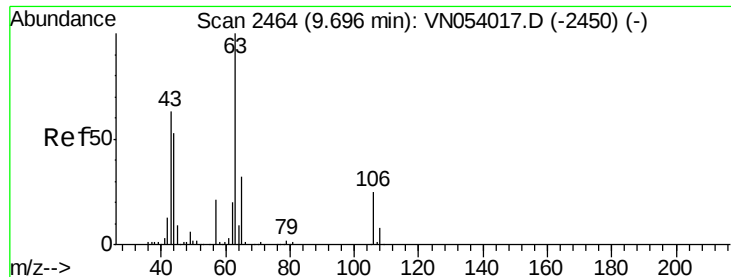
#54
1,2-Dibromoethane
Concen: 19.282 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion:107 Resp: 116390
Ion Ratio Lower Upper
107 100
109 94.4 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 95.757 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

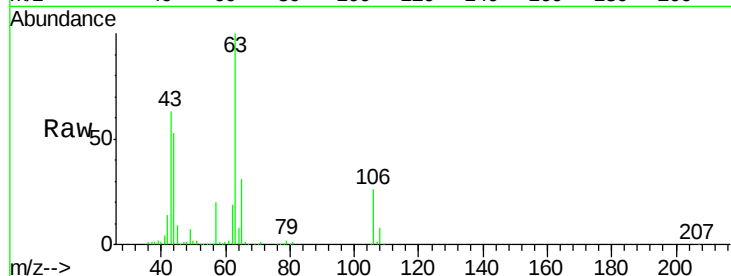
Tot Ion: 63 Resp: 338978

Ion Ratio Lower Upper

63 100

65 31.6 25.4 38.2

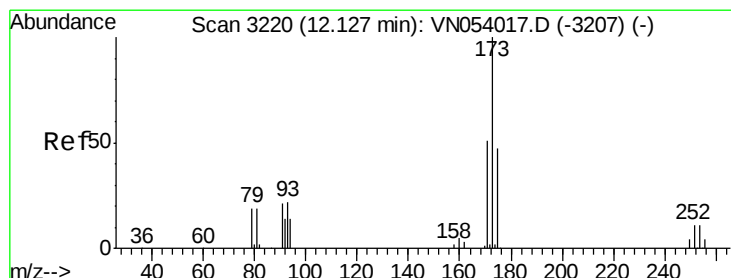
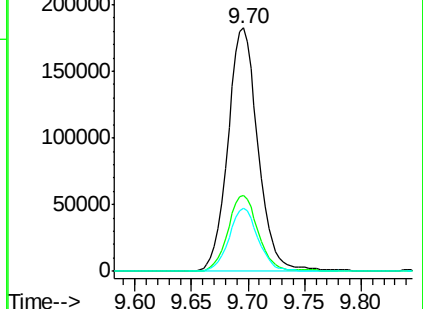
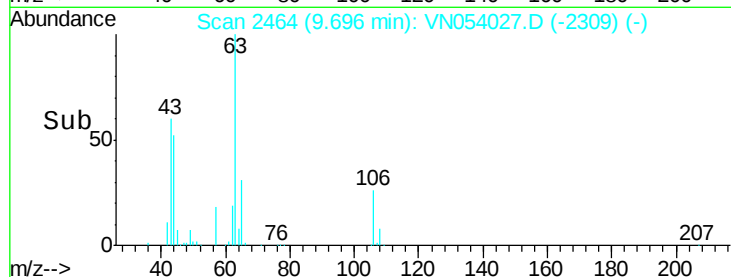
106 25.1 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN054027.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN054027.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN054027.D (-2309) (-)



#56

Bromoform

Concen: 19.126 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

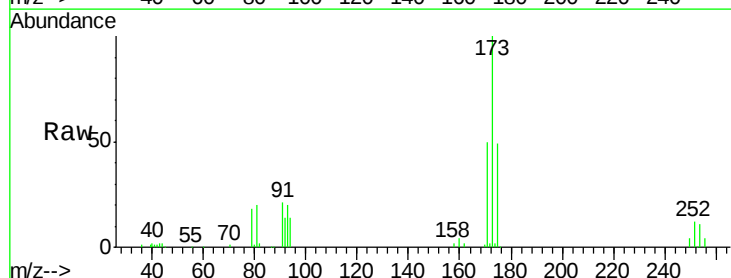
Tgt Ion: 173 Resp: 88425

Ion Ratio Lower Upper

173 100

175 47.4 38.7 58.1

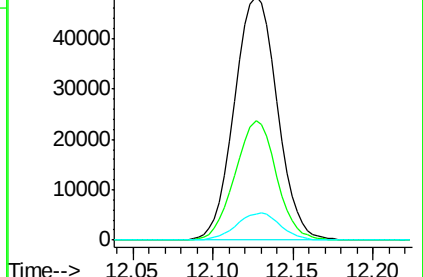
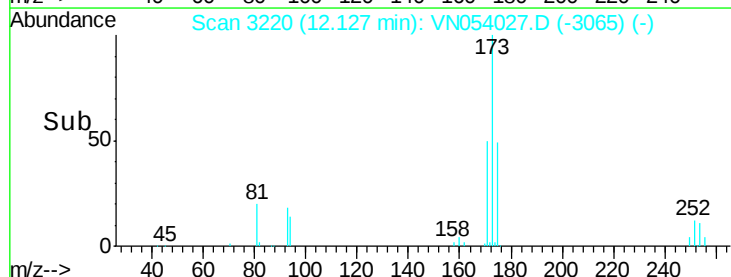
254 11.2 8.4 12.6

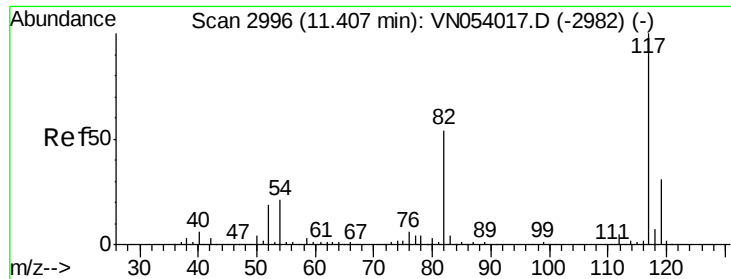


Abundance Ion 173.00 (172.70 to 173.70): VN054027.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN054027.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN054027.D (-3065) (-)

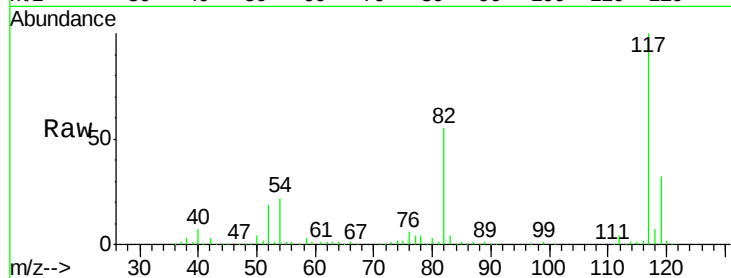




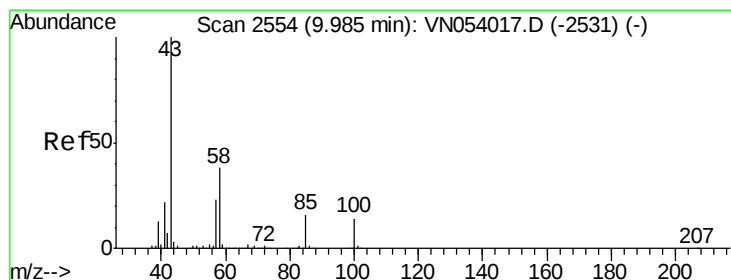
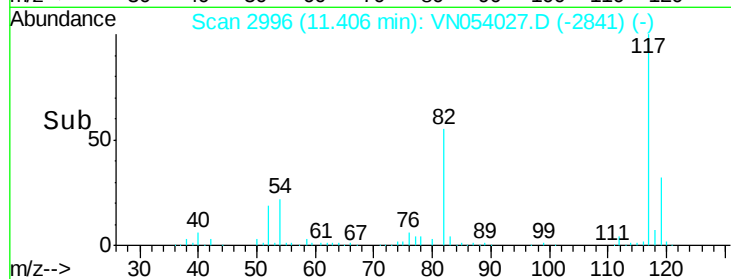
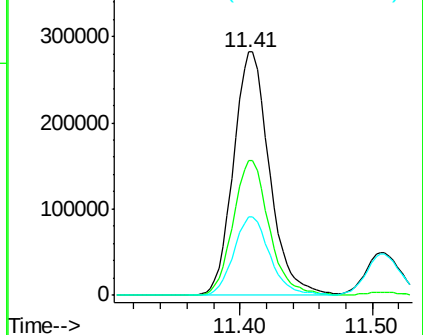
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion:117 Resp: 534895
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.4 25.4 38.2

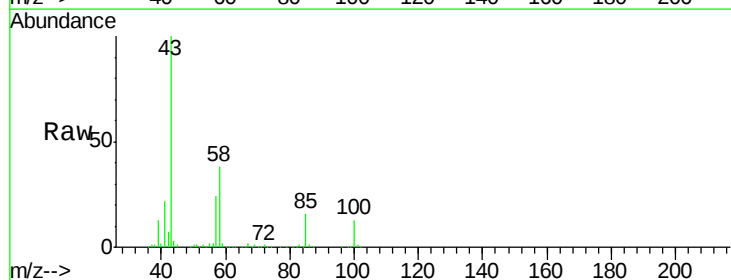


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

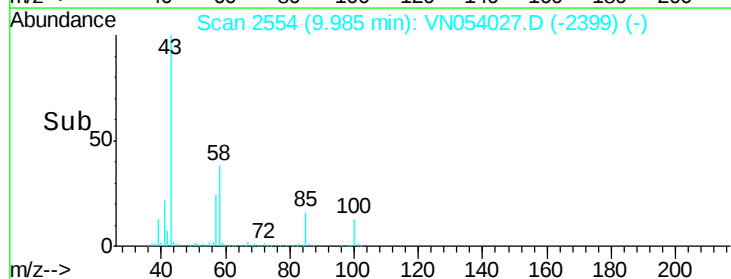
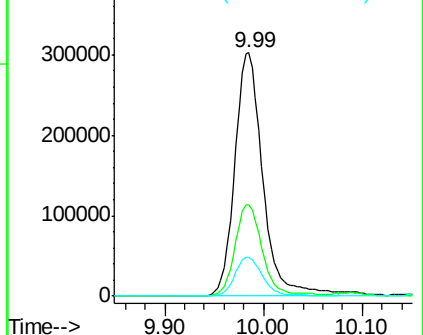


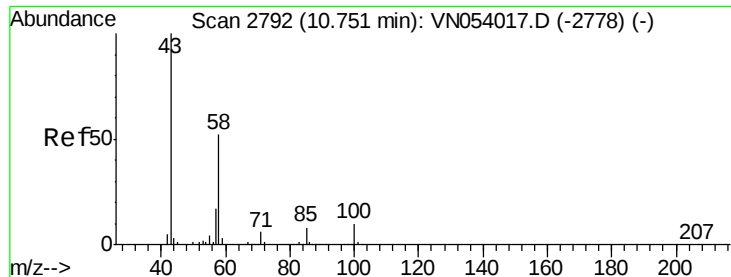
#58
4-Methyl-2-Pentanone
Concen: 98.505 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 43 Resp: 593717
Ion Ratio Lower Upper
43 100
58 37.0 31.6 47.4
85 15.9 13.3 19.9



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

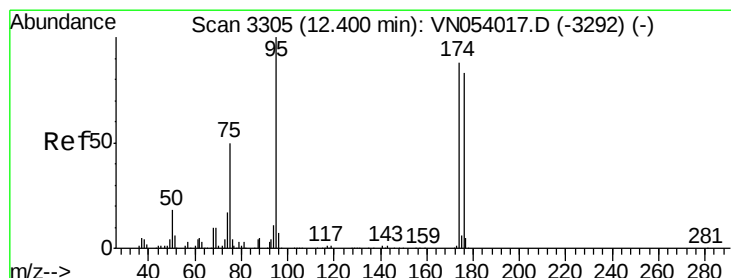
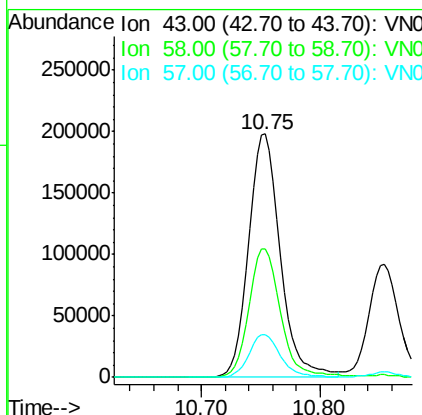
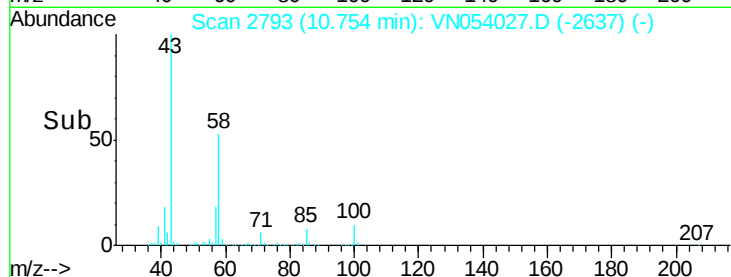
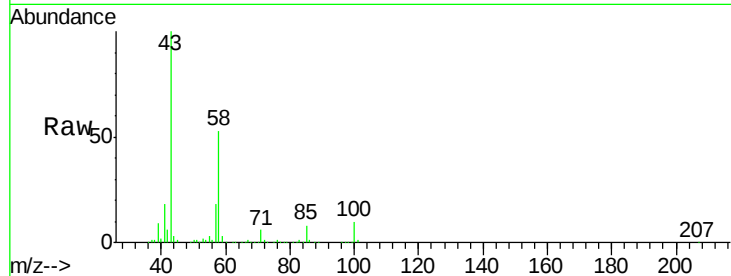




#59
2-Hexanone
Concen: 92.674 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

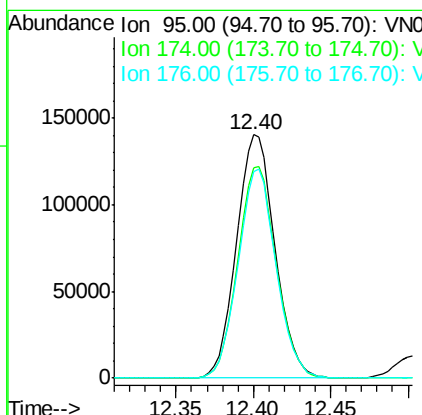
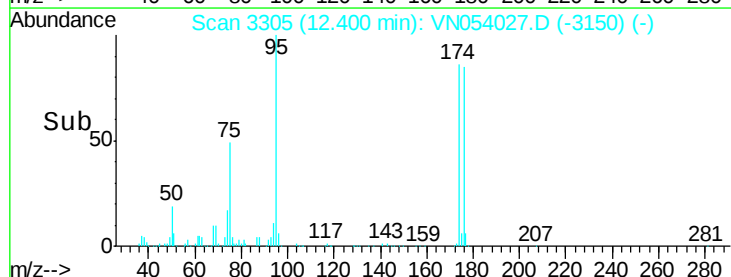
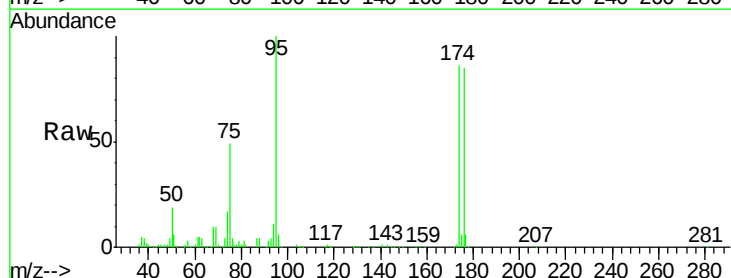
Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

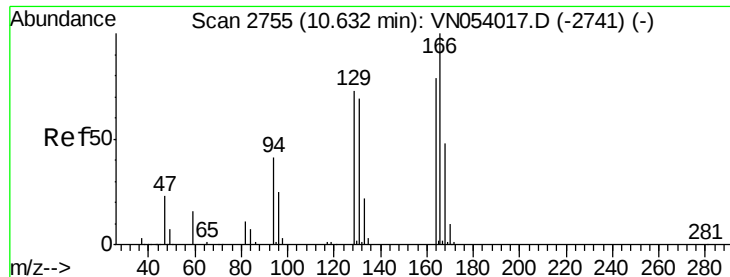
Tot Ion: 43 Resp: 364945
Ion Ratio Lower Upper
43 100
58 52.8 43.2 64.8
57 17.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 92.674 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 95 Resp: 242609
Ion Ratio Lower Upper
95 100
174 87.2 67.9 101.9
176 84.8 66.4 99.6





#61

Tetrachloroethene

Concen: 19.984 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion:164 Resp: 148605

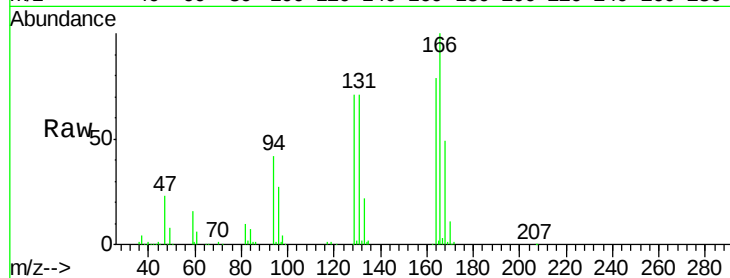
Ion Ratio Lower Upper

164 100

166 126.8 104.6 157.0

129 89.5 75.3 112.9

131 89.6 74.3 111.5

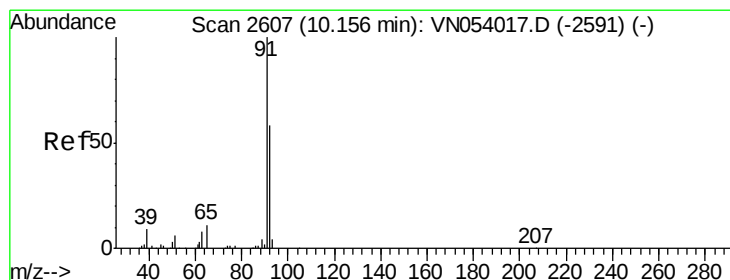
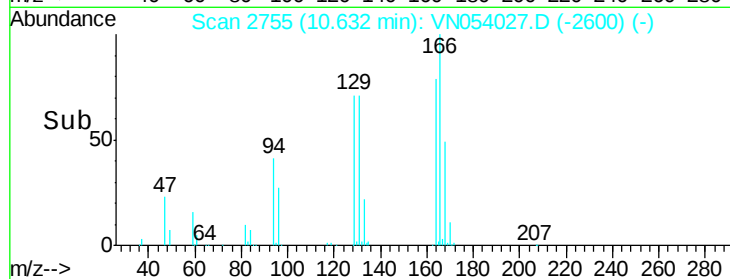
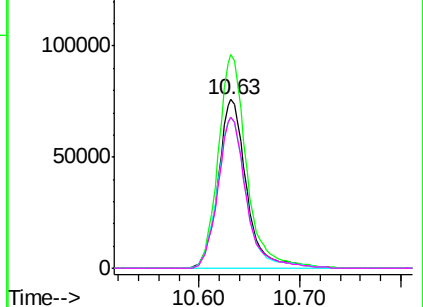


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.921 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054027.D

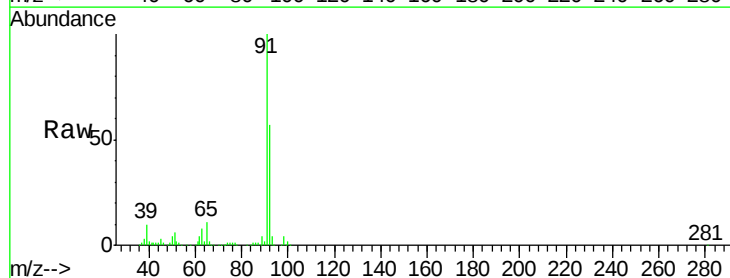
Acq: 1 Mar 2019 14:10

Tgt Ion: 91 Resp: 595512

Ion Ratio Lower Upper

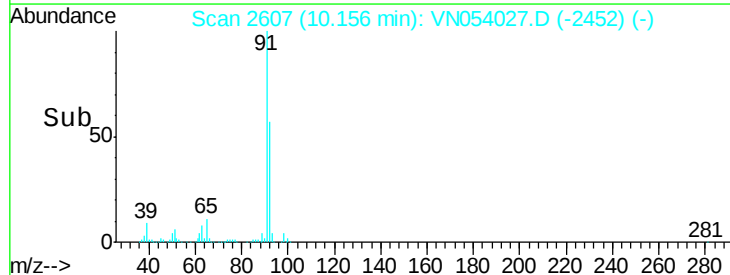
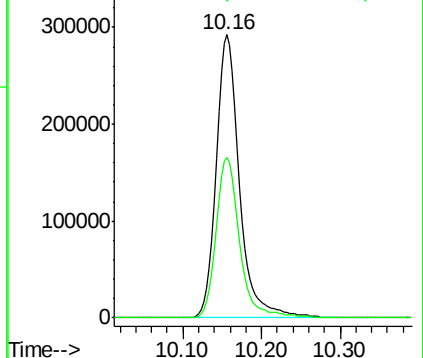
91 100

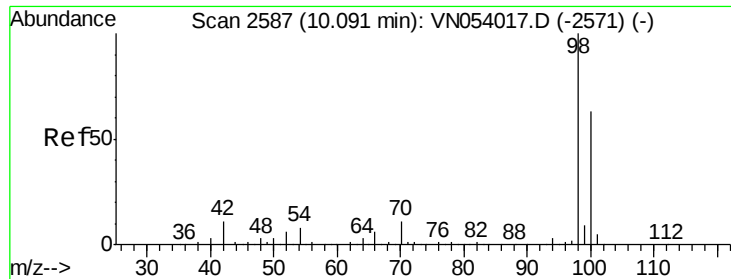
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.921 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

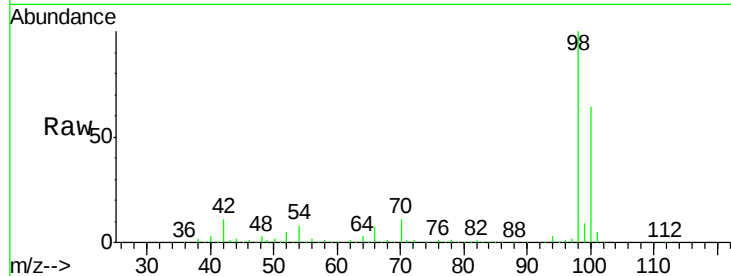
VN0301WBS01

Tot Ion: 98 Resp: 780482

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054027.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN054027.D (-2571) (-)

10.09

400000

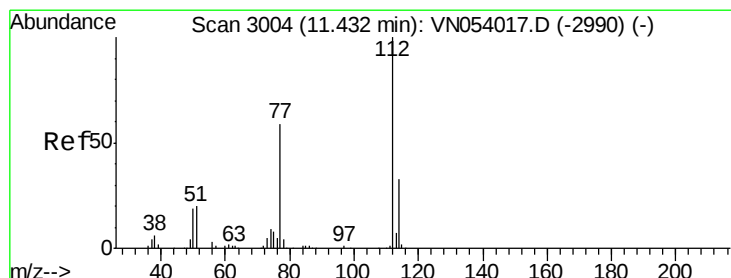
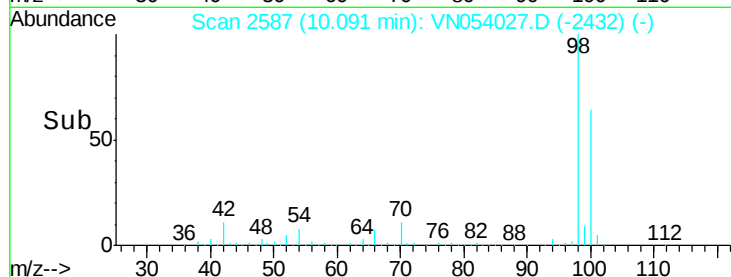
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 19.534 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054027.D

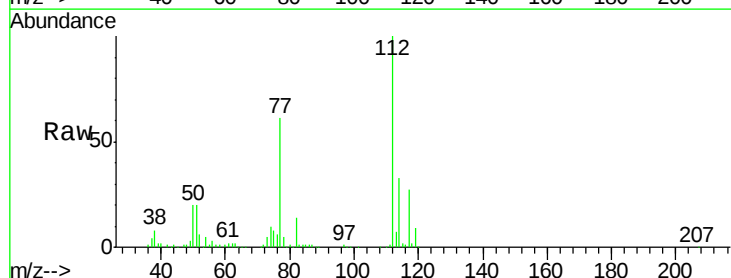
Acq: 1 Mar 2019 14:10

Tgt Ion: 112 Resp: 355582

Ion Ratio Lower Upper

112 100

114 32.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN054027.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN054027.D (-2849) (-)

11.43

200000

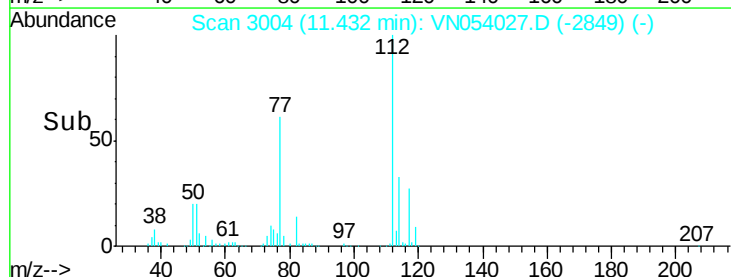
150000

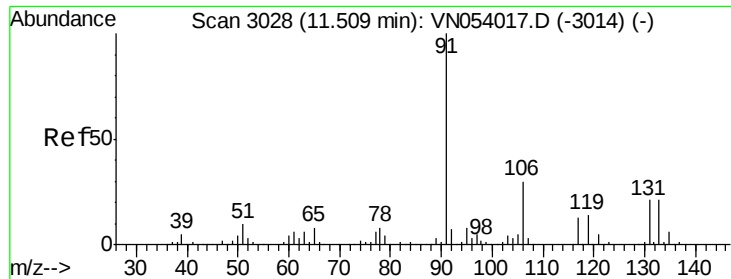
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.490 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

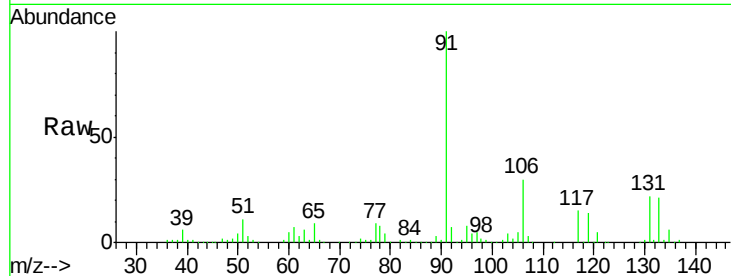
Tot Ion:131 Resp: 130267

Ion Ratio Lower Upper

131 100

133 96.4 0.0 193.4

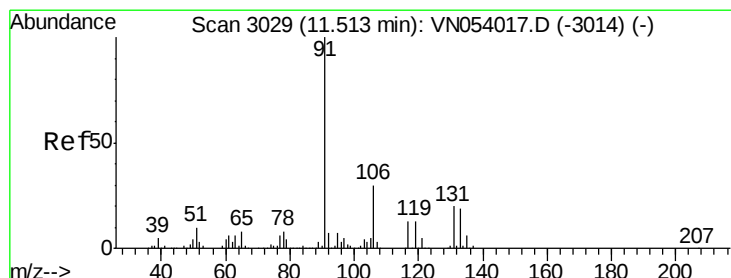
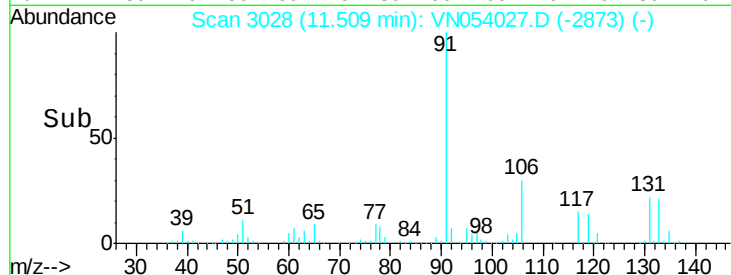
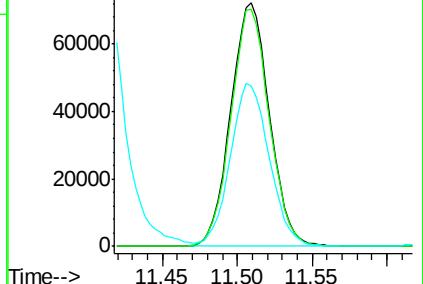
119 67.3 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.491 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054027.D

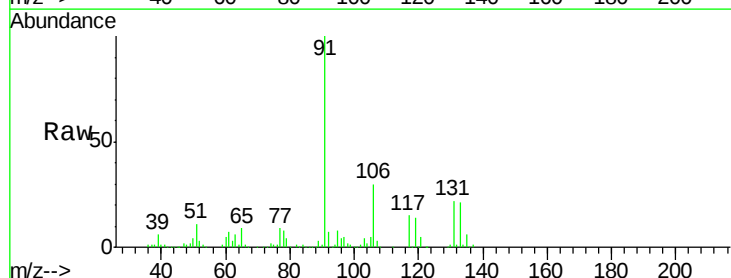
Acq: 1 Mar 2019 14:10

Tgt Ion: 91 Resp: 609053

Ion Ratio Lower Upper

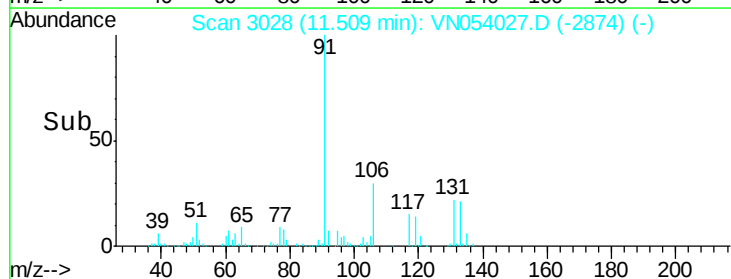
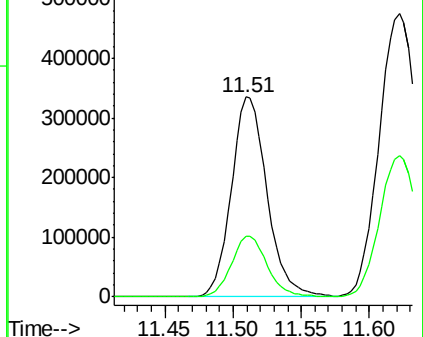
91 100

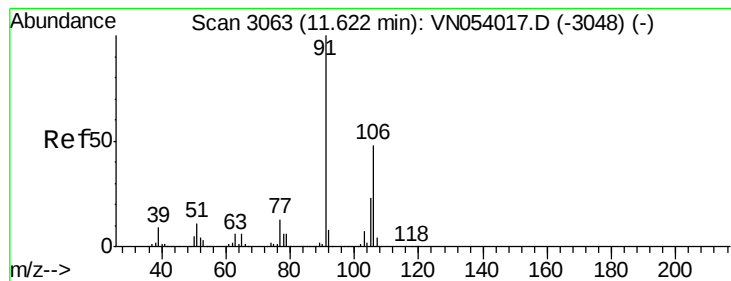
106 30.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 40.149 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

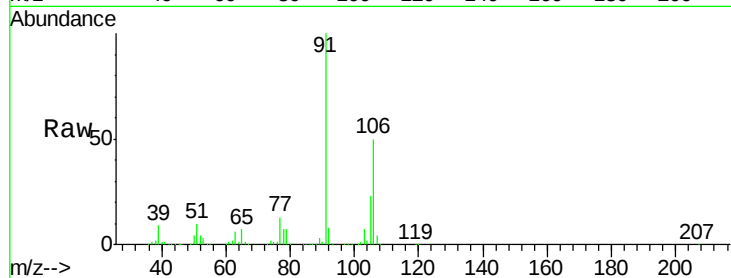
VN0301WBS01

Tot Ion:106 Resp: 472340

Ion Ratio Lower Upper

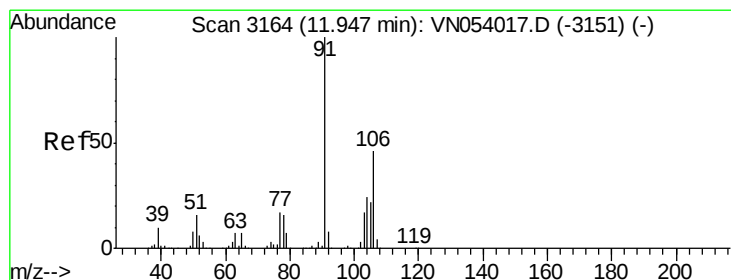
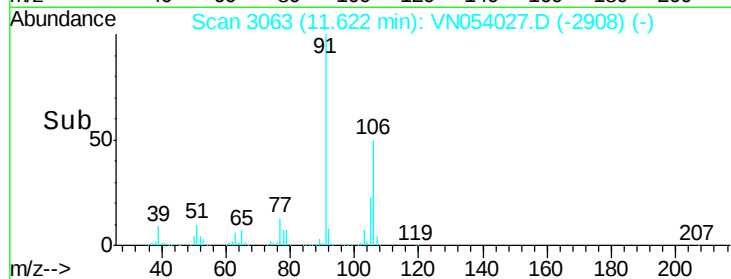
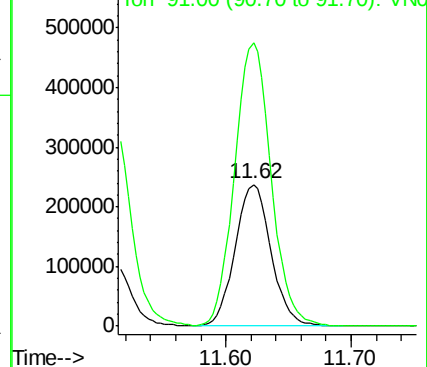
106 100

91 203.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.706 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN054027.D

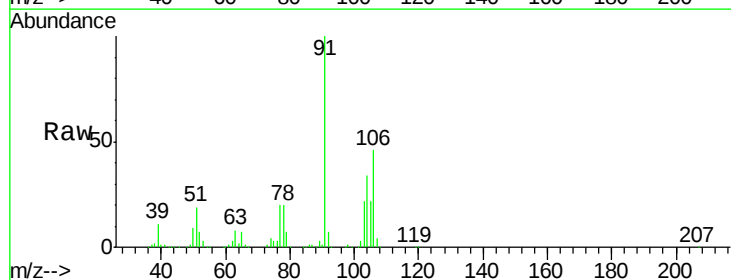
Acq: 1 Mar 2019 14:10

Tgt Ion:106 Resp: 224733

Ion Ratio Lower Upper

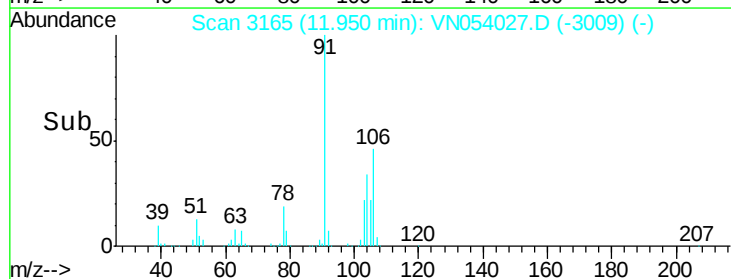
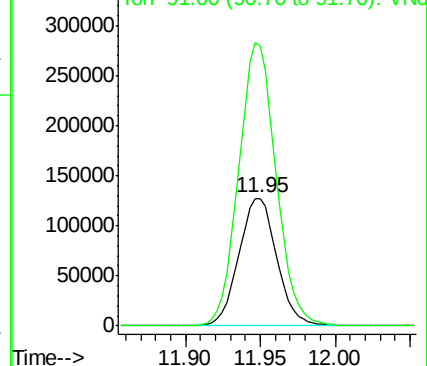
106 100

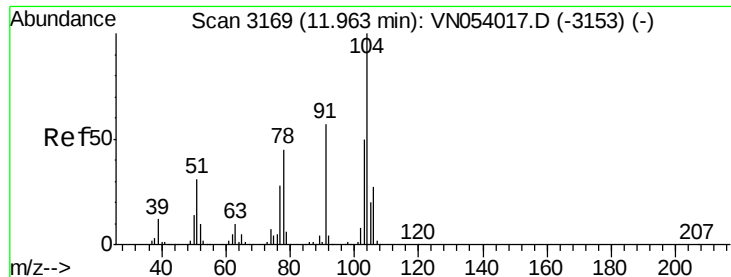
91 219.0 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

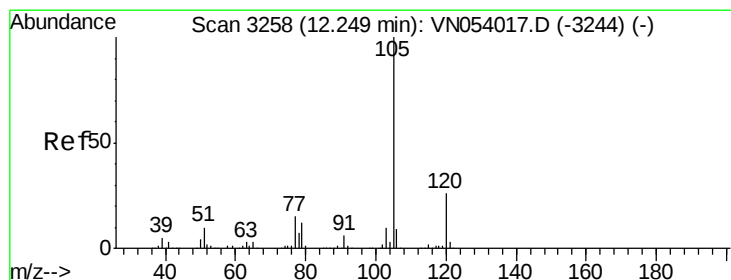
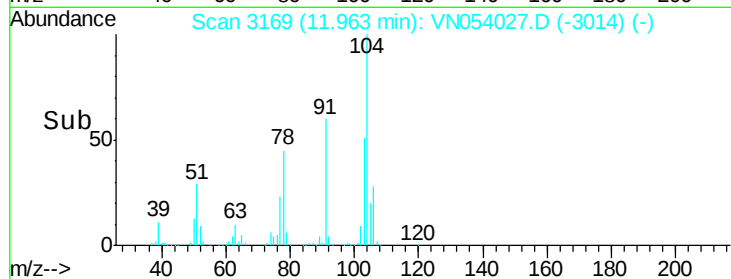
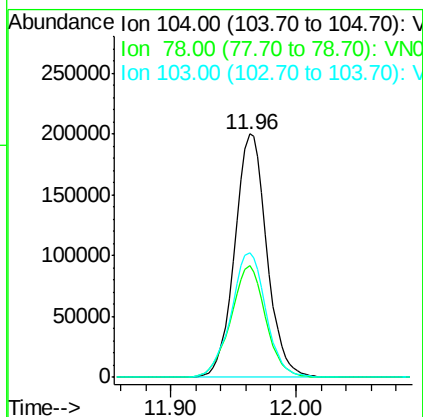
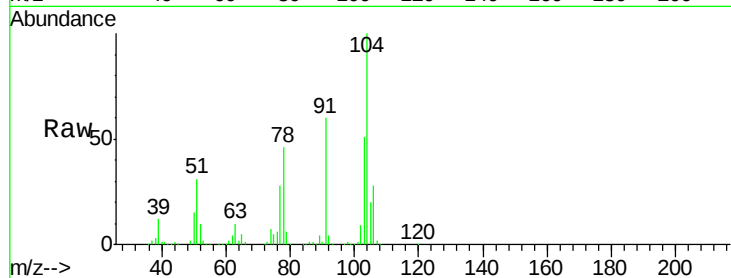




#69
Stvrene
Concen: 19.682 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

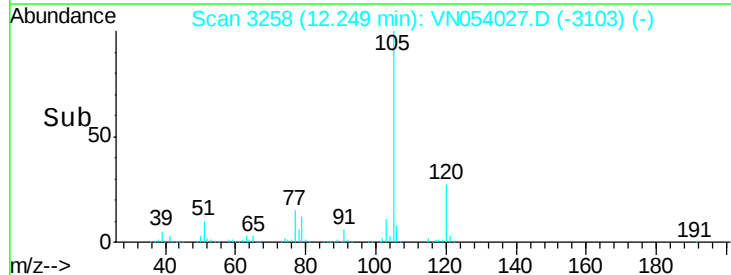
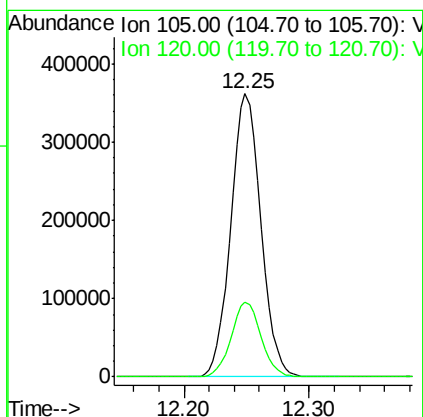
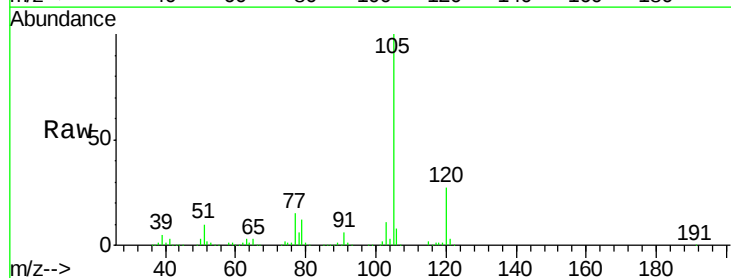
Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

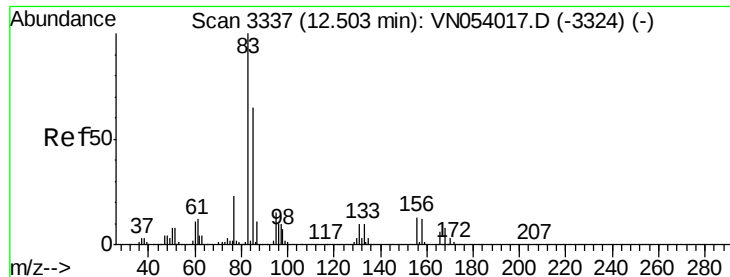
Tot Ion:104 Resp: 355423
Ion Ratio Lower Upper
104 100
78 50.0 39.3 58.9
103 55.8 44.6 66.8



#70
Isopropylbenzene
Concen: 20.094 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion:105 Resp: 601460
Ion Ratio Lower Upper
105 100
120 26.4 18.6 34.6

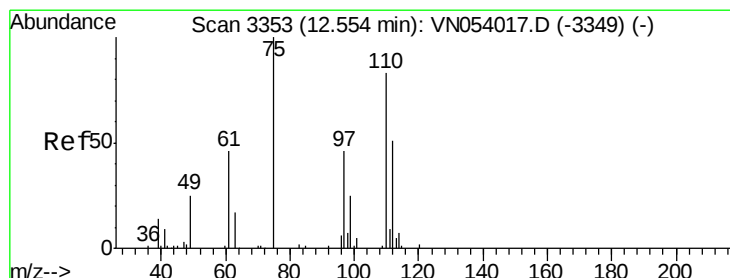
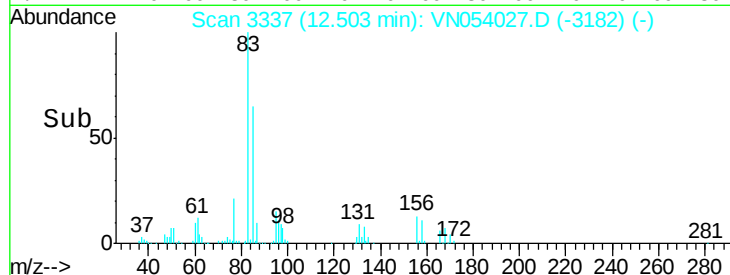
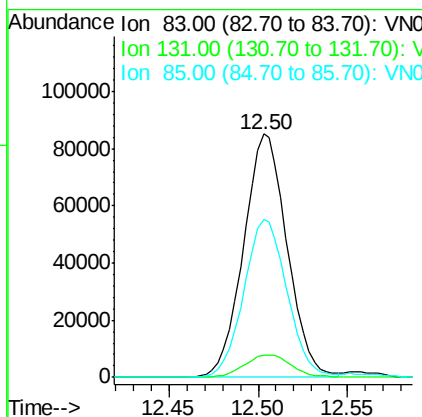
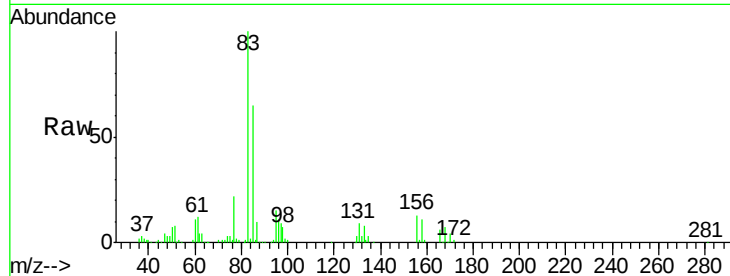




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.669 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

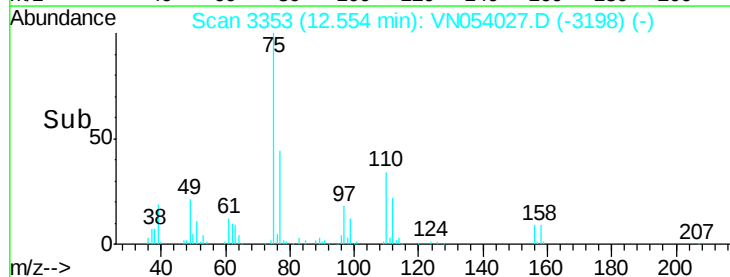
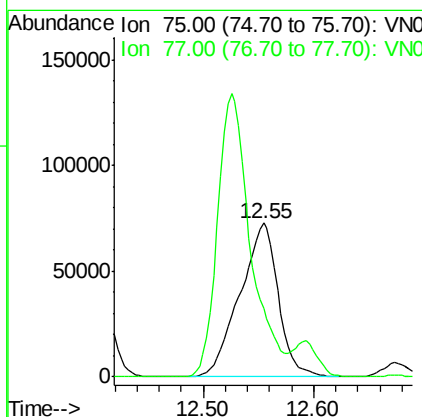
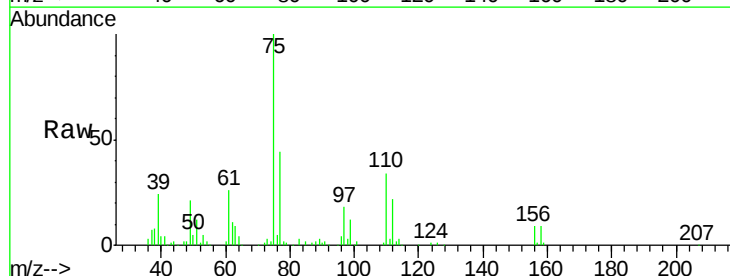
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

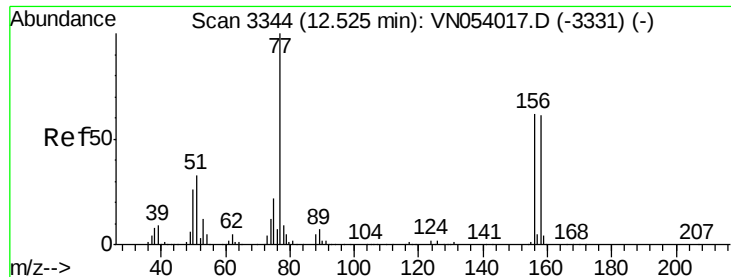
Tot Ion: 83 Resp: 145308
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.9 14.6
 85 64.5 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.277 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 75 Resp: 175450
 Ion Ratio Lower Upper
 75 100
 77 157.7 0.0 514.8





#73

Bromobenzene

Concen: 19.285 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

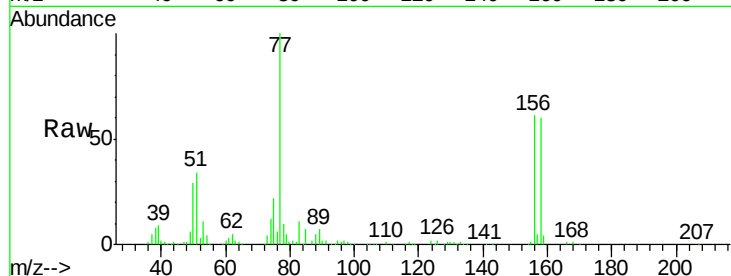
Tot Ion:156 Resp: 145532

Ion Ratio Lower Upper

156 100

77 190.1 0.0 382.6

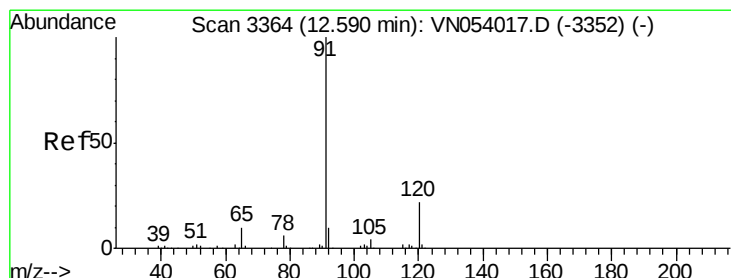
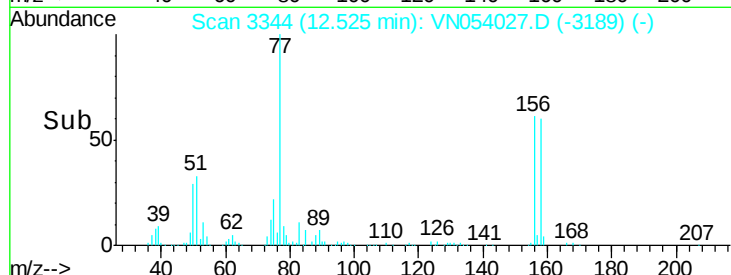
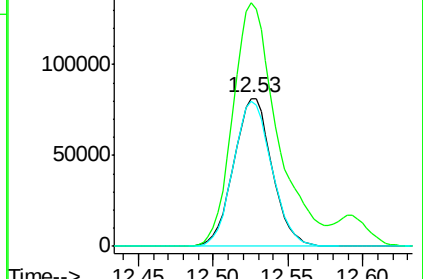
158 97.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.325 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054027.D

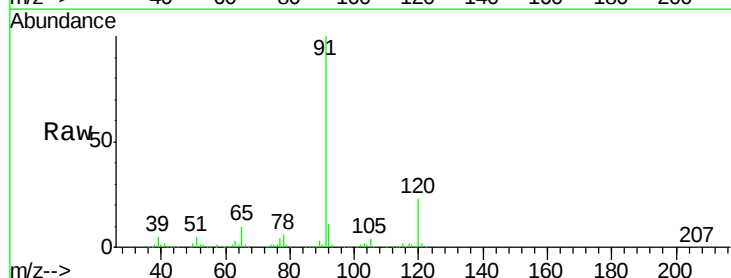
Acq: 1 Mar 2019 14:10

Tgt Ion: 91 Resp: 688777

Ion Ratio Lower Upper

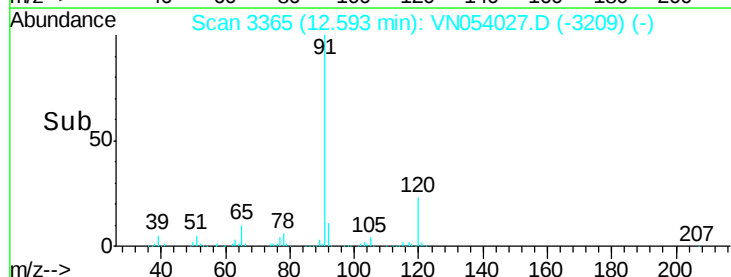
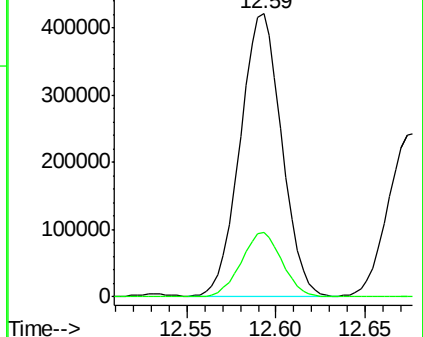
91 100

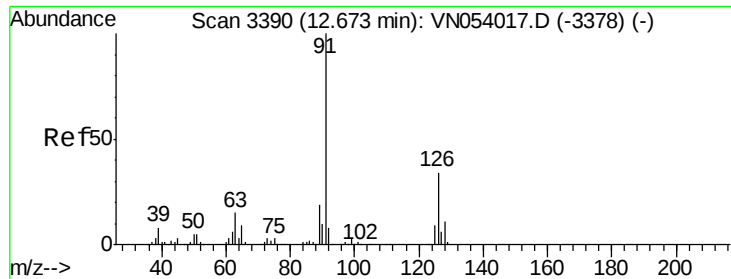
120 22.4 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.793 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

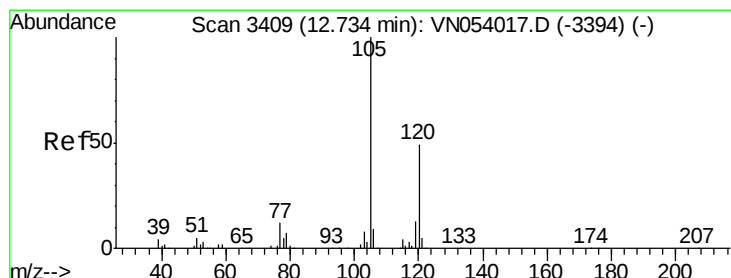
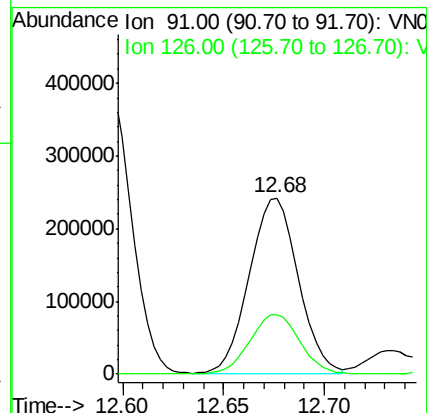
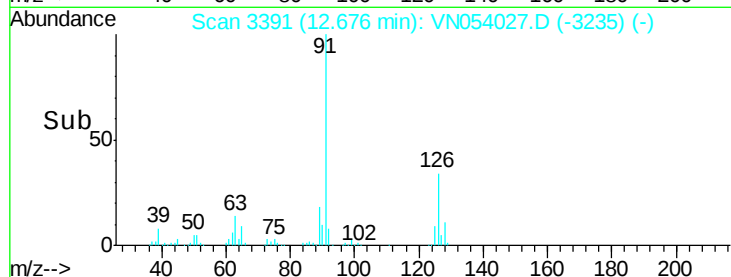
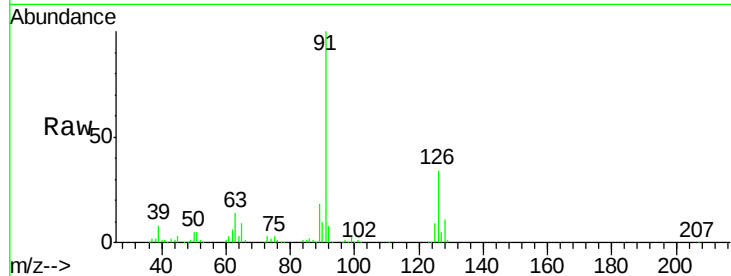
VN0301WBS01

Tot Ion: 91 Resp: 413111

Ion Ratio Lower Upper

91 100

126 34.4 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.691 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054027.D

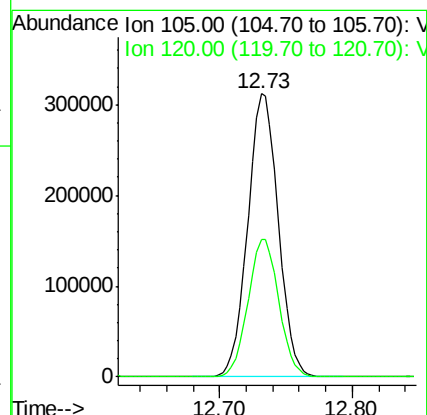
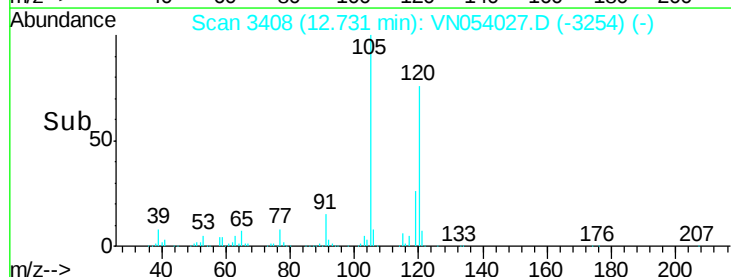
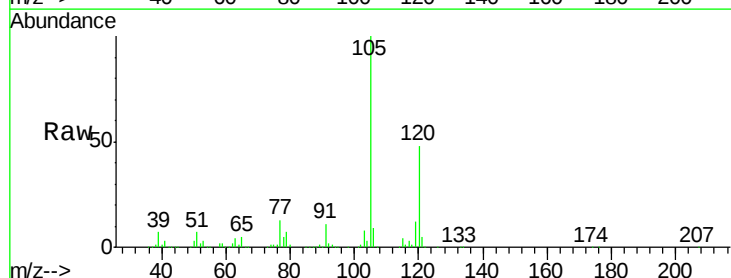
Acq: 1 Mar 2019 14:10

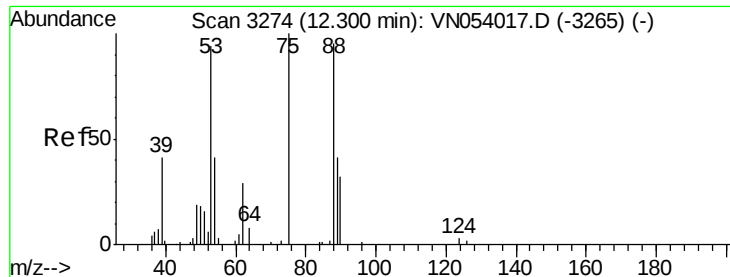
Tgt Ion: 105 Resp: 499253

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.760 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

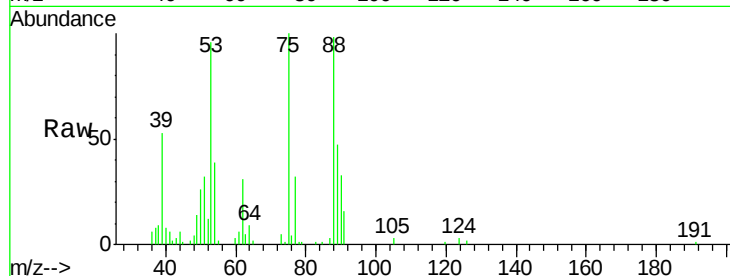
Tot Ion: 75 Resp: 35452

Ion Ratio Lower Upper

75 100

53 95.7 48.5 145.6

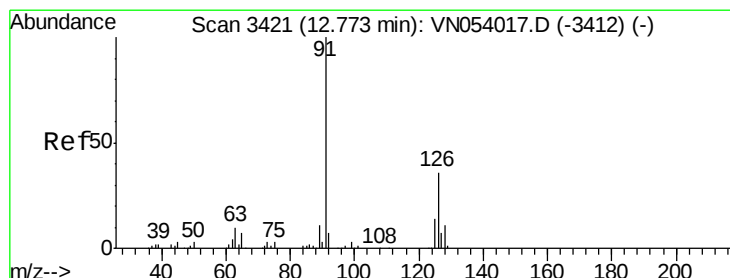
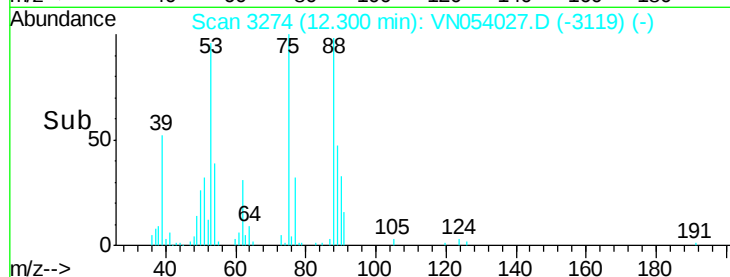
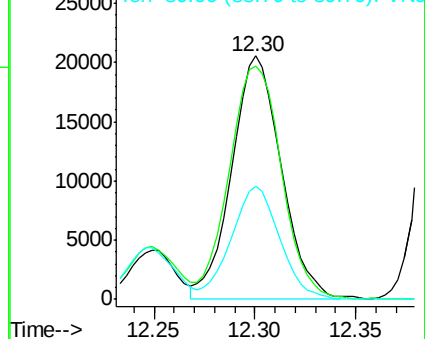
89 47.3 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.240 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054027.D

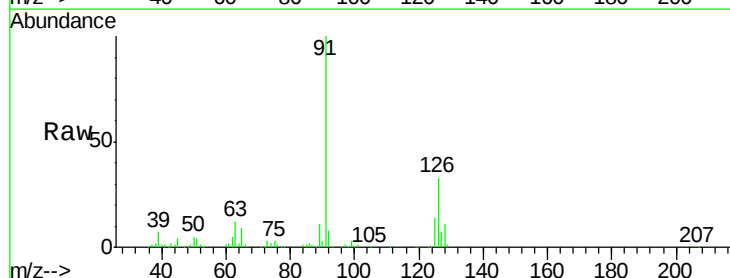
Acq: 1 Mar 2019 14:10

Tgt Ion: 91 Resp: 401842

Ion Ratio Lower Upper

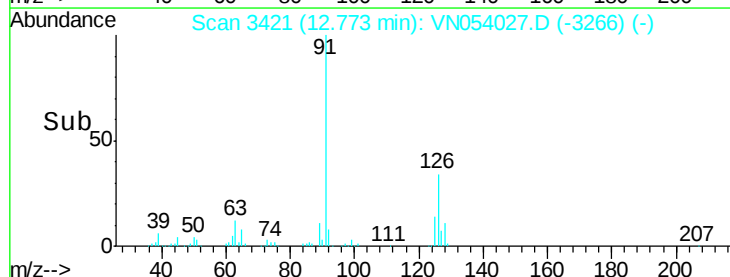
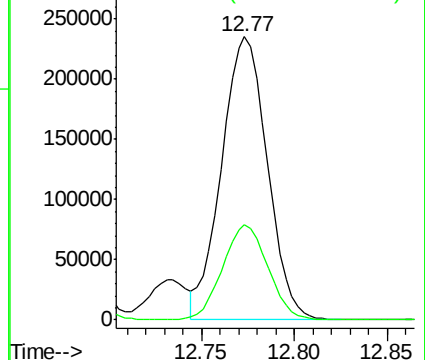
91 100

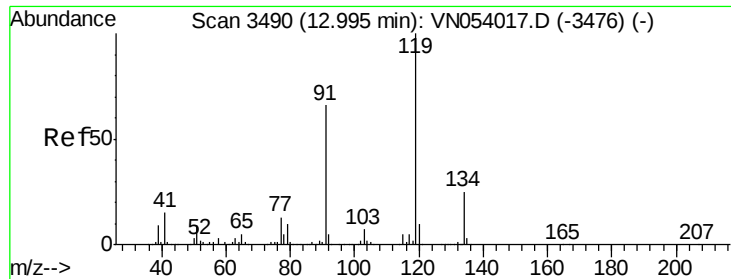
126 33.3 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

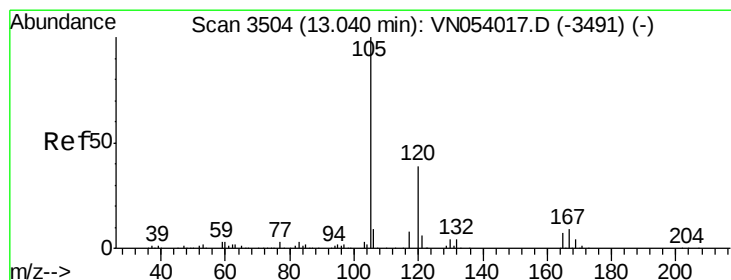
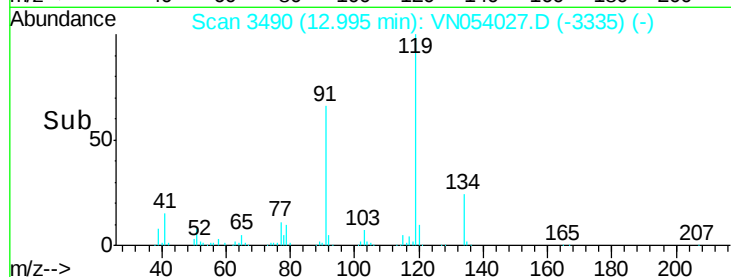
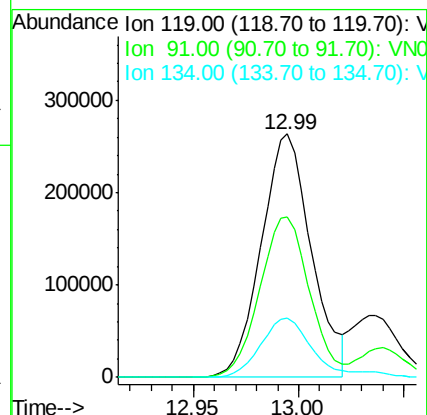
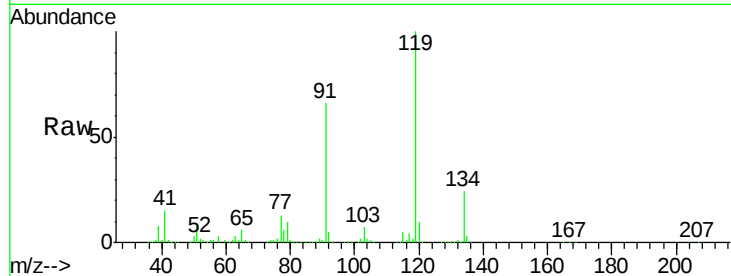




#79
tert-butylbenzene
Concen: 19.651 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

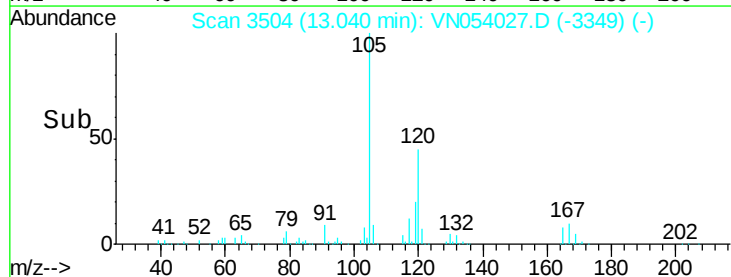
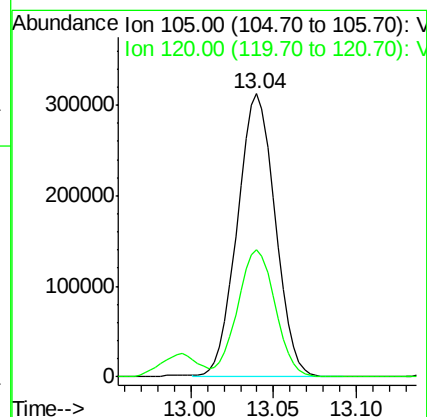
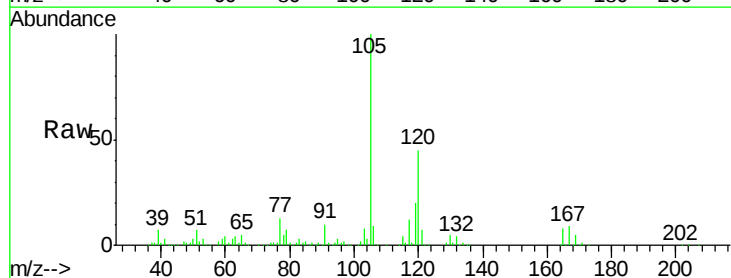
Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

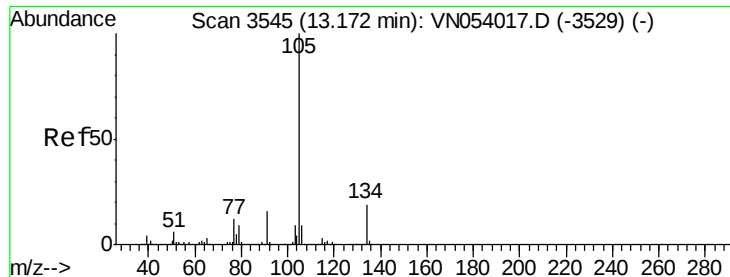
Tot Ion:119 Resp: 436588
Ion Ratio Lower Upper
119 100
91 65.0 0.0 129.8
134 24.2 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 19.740 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion:105 Resp: 498122
Ion Ratio Lower Upper
105 100
120 44.7 0.0 91.0





#81

sec-Butylbenzene

Concen: 19.739 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

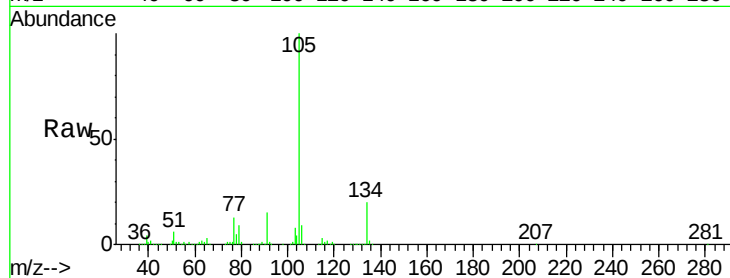
VN0301WBS01

Tot Ion:105 Resp: 601456

Ion Ratio Lower Upper

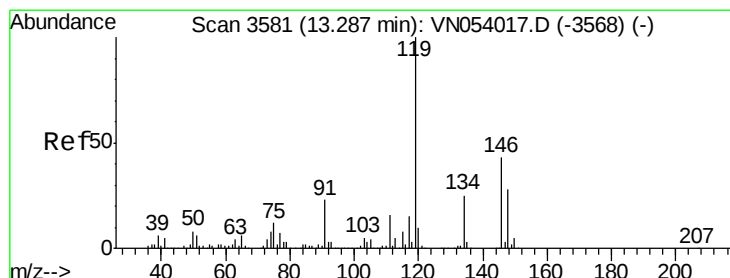
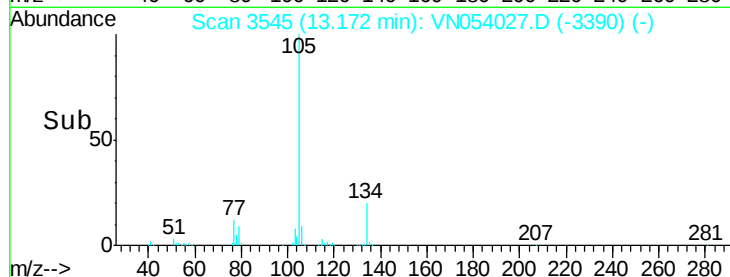
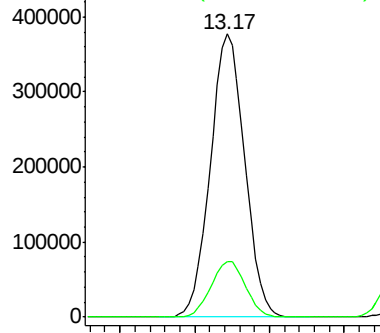
105 100

134 19.8 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.360 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

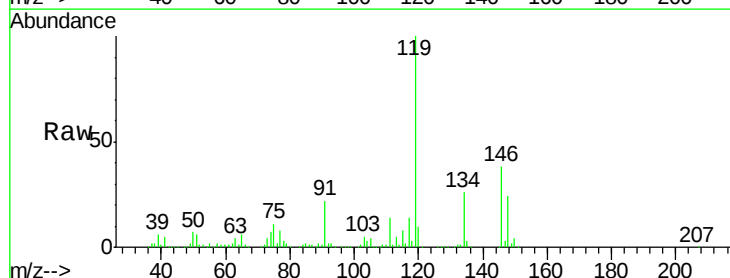
Tgt Ion:119 Resp: 503713

Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.6

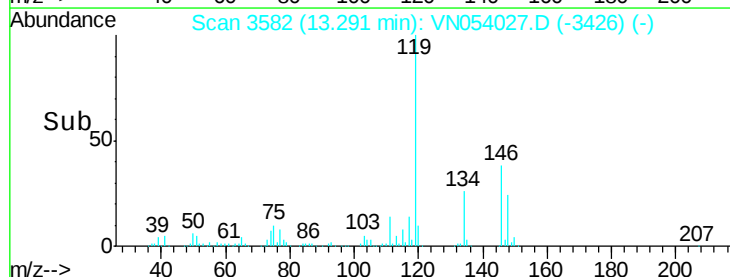
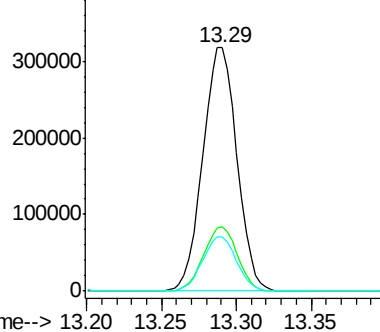
91 22.5 0.0 46.2

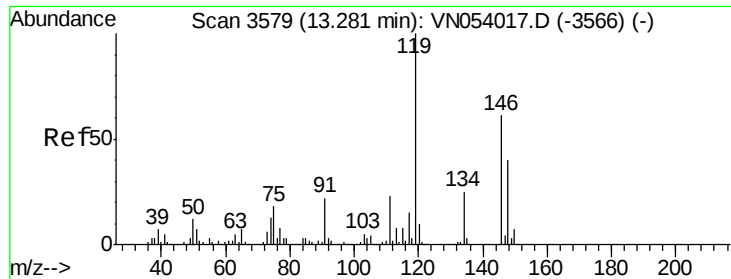


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.814 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

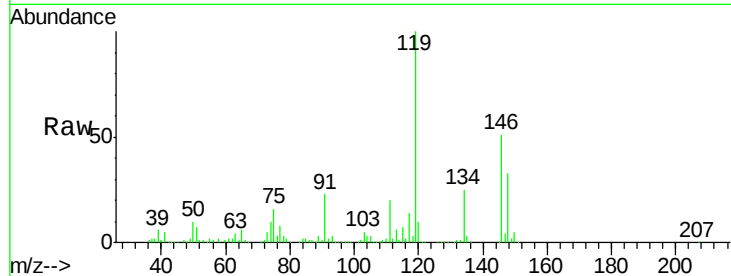
Tot Ion:146 Resp: 250424

Ion Ratio Lower Upper

146 100

111 38.5 19.7 59.0

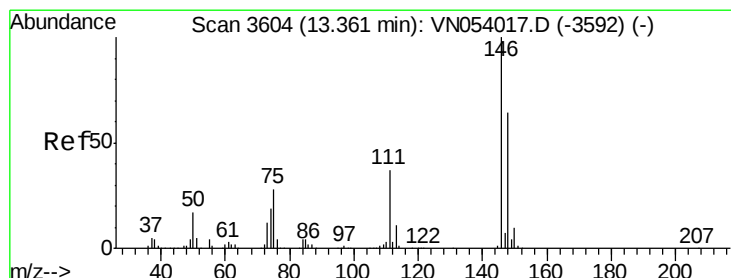
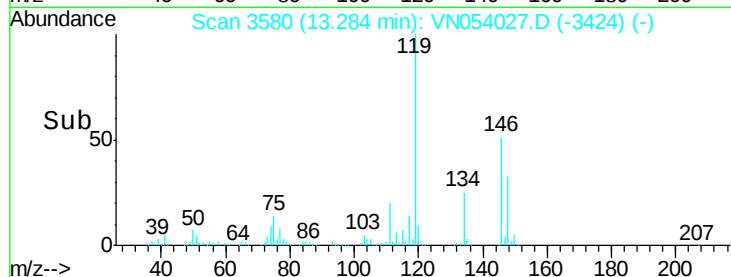
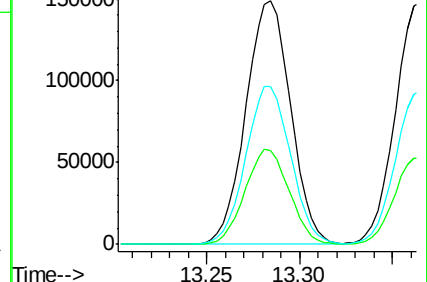
148 64.9 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.909 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

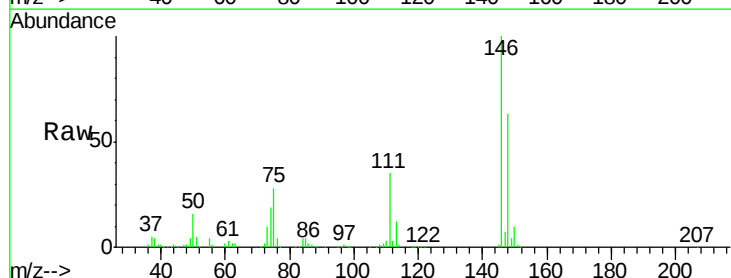
Tgt Ion:146 Resp: 240303

Ion Ratio Lower Upper

146 100

111 36.3 18.8 56.3

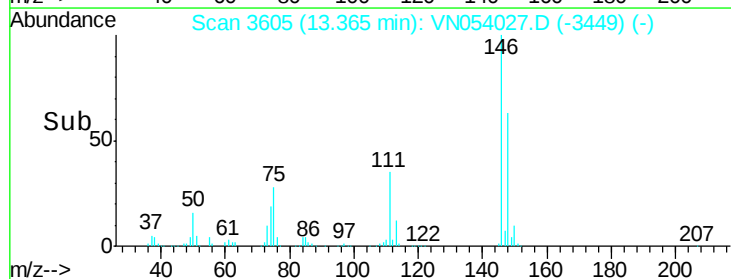
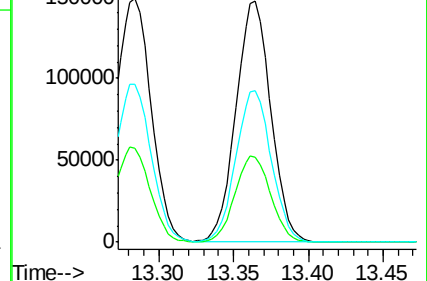
148 63.5 32.5 97.4

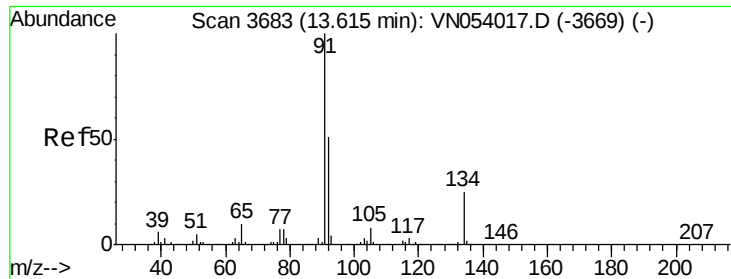


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

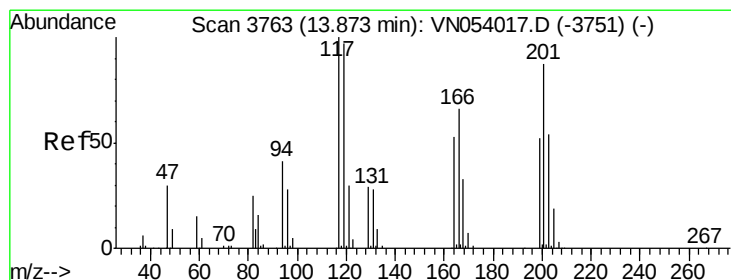
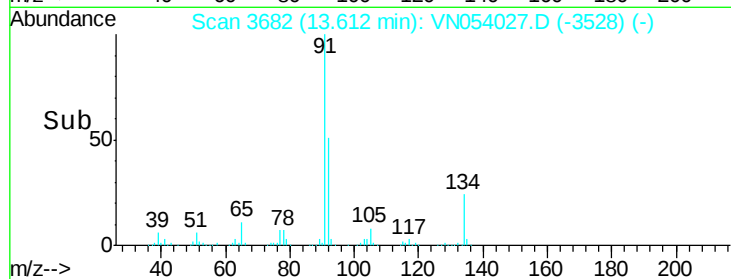
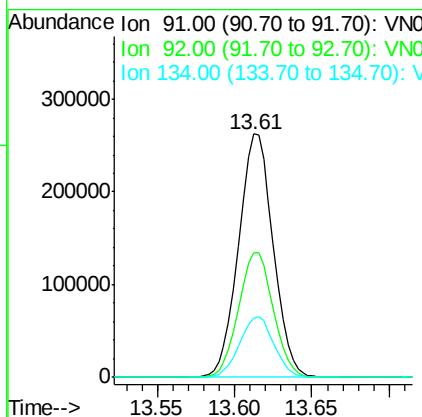
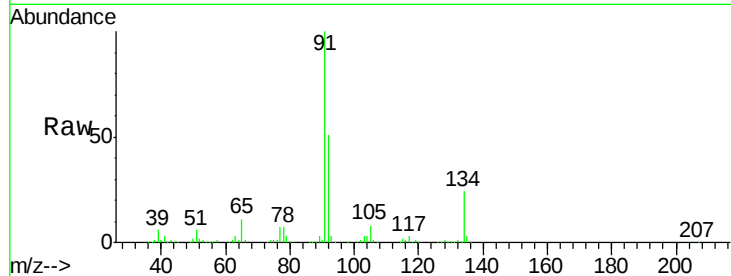




#85
n-Butylbenzene
Concen: 18.011 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

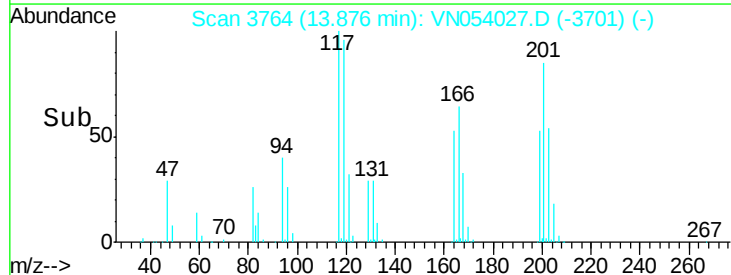
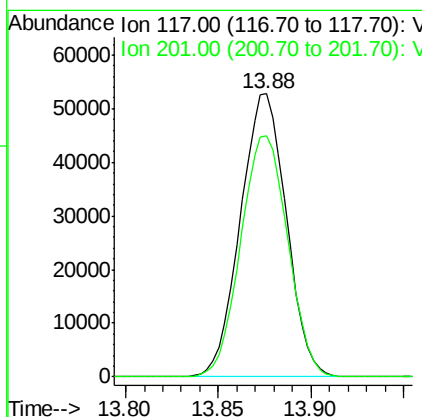
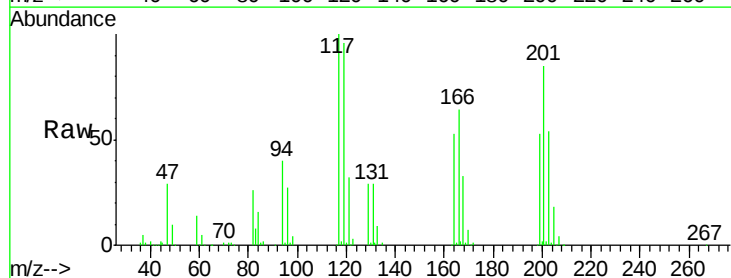
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

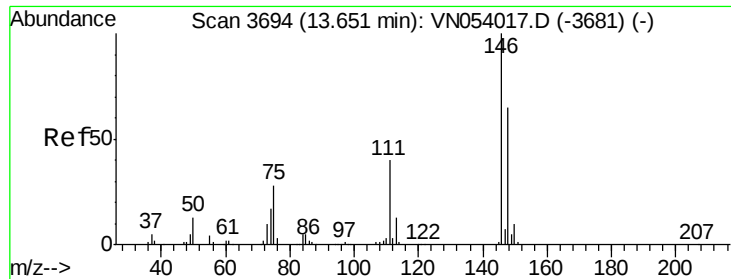
Tot Ion: 91 Resp: 408425
Ion Ratio Lower Upper
91 100
92 51.4 0.0 104.2
134 24.8 0.0 50.6



#86
Hexachloroethane
Concen: 18.706 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 117 Resp: 90991
Ion Ratio Lower Upper
117 100
201 87.1 43.8 131.3

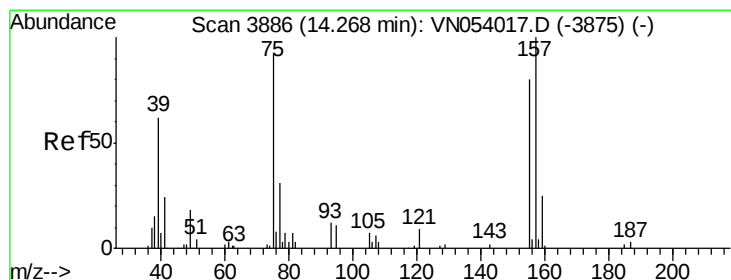
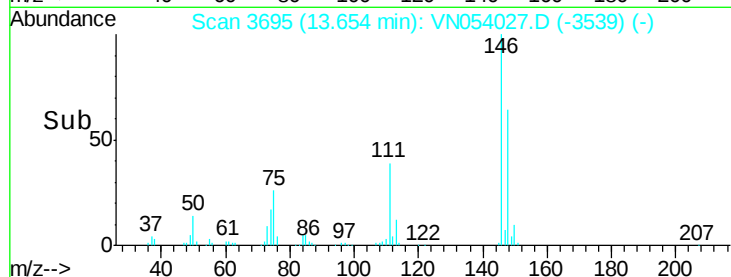
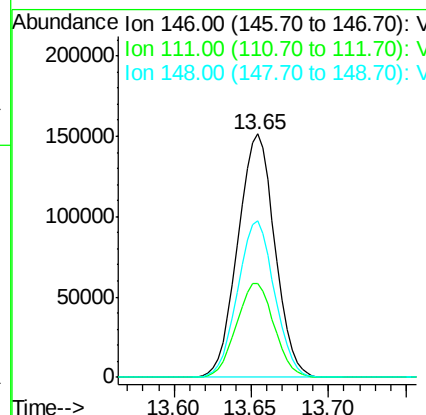
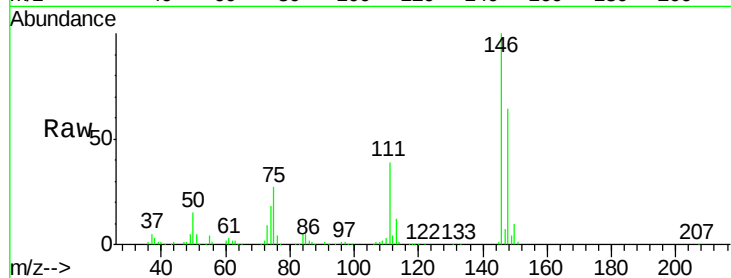




#87
 1,2-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

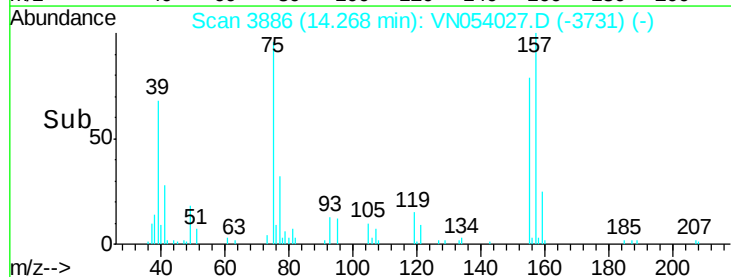
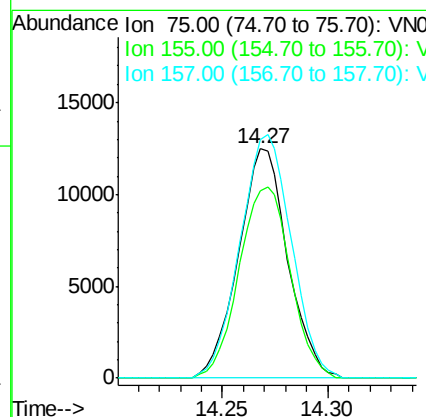
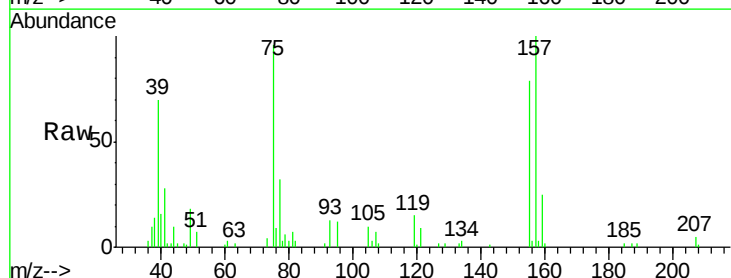
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

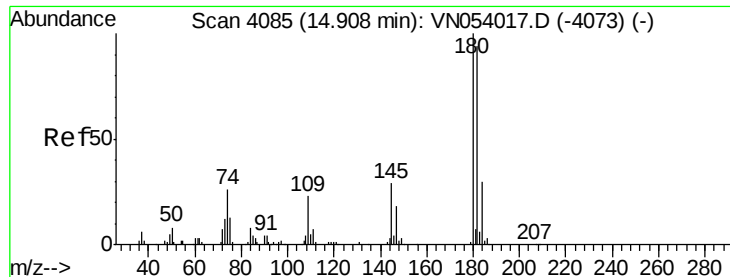
Tot Ion:146 Resp: 251542
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.3 60.8
 148 64.0 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.987 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 75 Resp: 20295
 Ion Ratio Lower Upper
 75 100
 155 86.5 72.2 108.2
 157 110.6 94.2 141.2

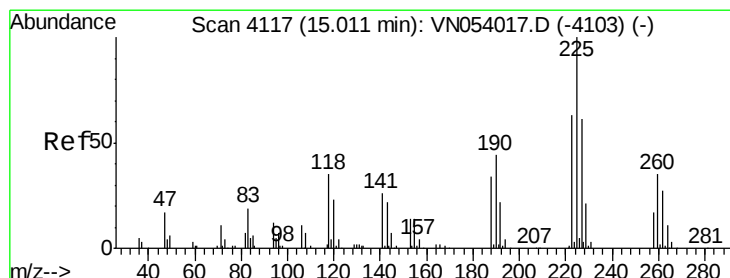
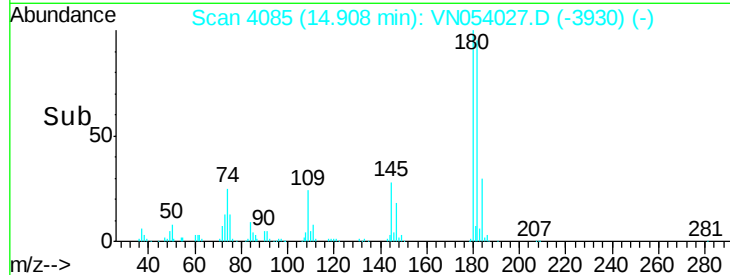
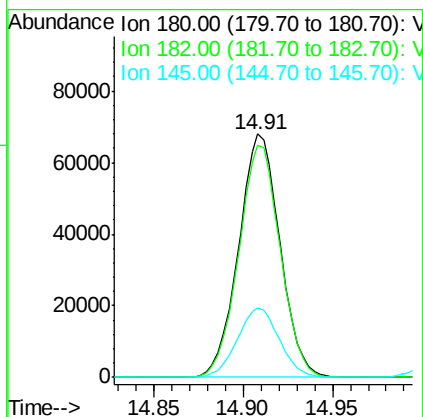
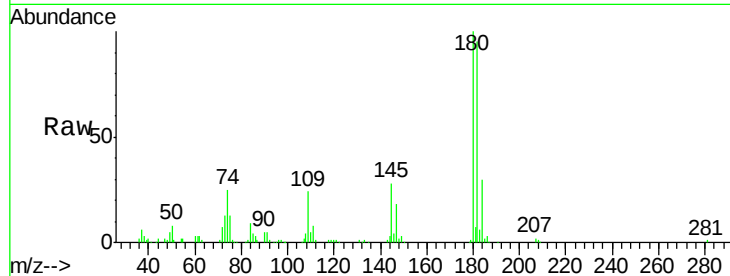




#89
 1,2,4-Trichlorobenzene
 Concen: 16.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

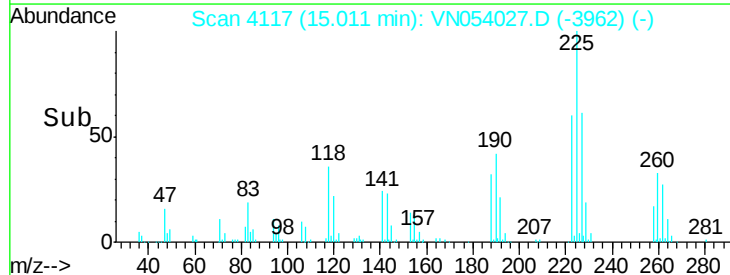
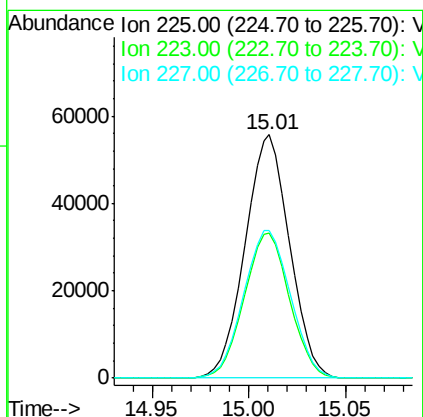
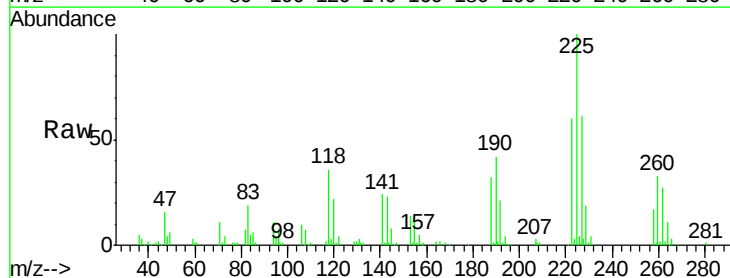
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

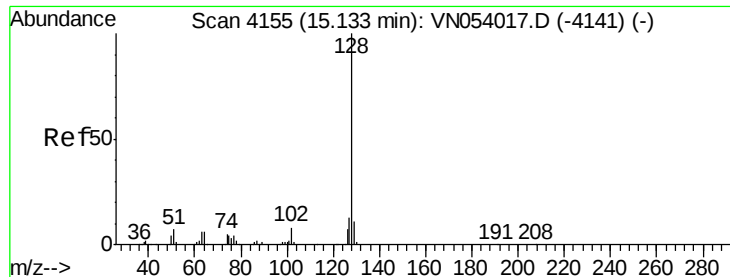
Tot Ion:180 Resp: 110039
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 114.8
 145 28.8 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 18.694 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion:225 Resp: 89075
 Ion Ratio Lower Upper
 225 100
 223 60.9 0.0 125.6
 227 63.9 0.0 127.8





#91

Naphthalene

Concen: 18.986 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

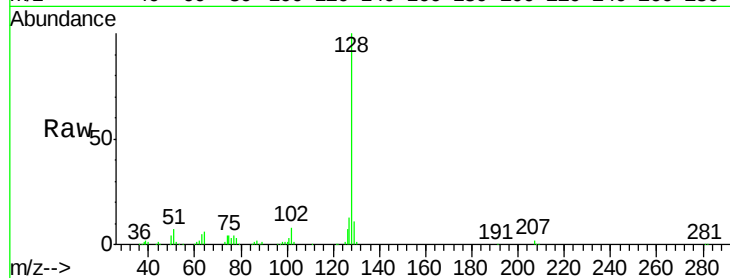
Tot Ion:128 Resp: 214950

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

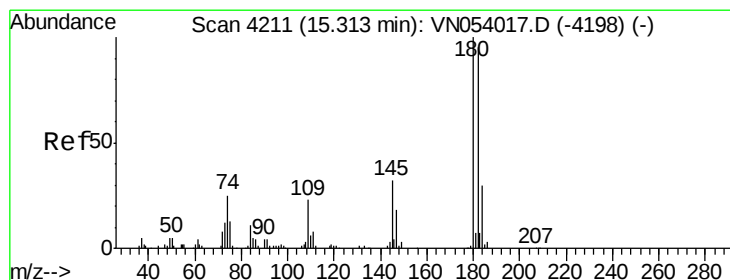
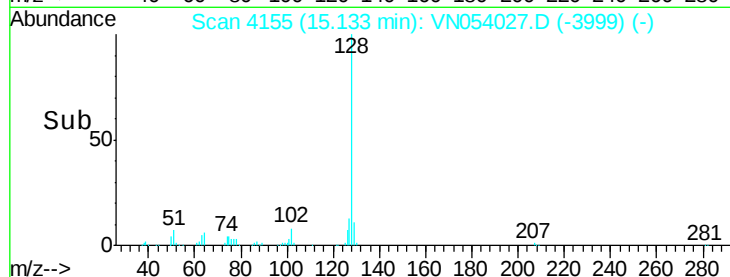
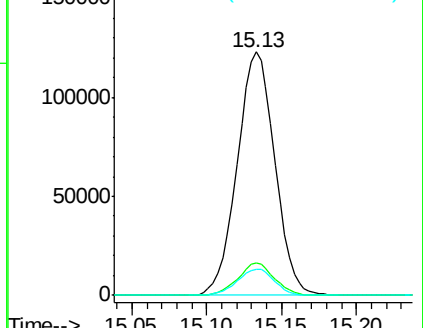
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.595 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

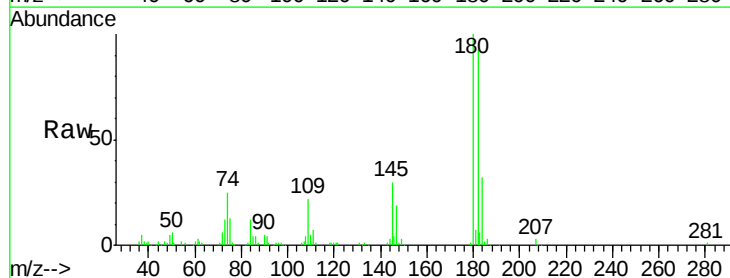
Tgt Ion:180 Resp: 113953

Ion Ratio Lower Upper

180 100

182 95.6 0.0 196.2

145 29.9 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

