

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054029.D
 Acq On : 1 Mar 2019 15:04
 Operator : JC/SP
 Sample : VN0301WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

Quant Time: Mar 01 23:47:20 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	7.20	128	119958	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	638726	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	553437	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	251233	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	244551	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.09	98	815067	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	135989	20.050 ug/l	99
3) Chloromethane	2.06	50	184707	20.473 ug/l	100
4) Vinyl Chloride	2.19	62	185105	20.489 ug/l	97
5) Bromomethane	2.57	94	112734	20.285 ug/l	100
6) Chloroethane	2.71	64	108901	20.473 ug/l	99
7) Trichlorofluoromethane	3.02	101	226667	20.650 ug/l	99
8) Diethyl Ether	3.41	74	83896	20.323 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141175	20.005 ug/l	97
10) 1,1-Dichloroethene	3.74	96	133734	20.225 ug/l	99
11) Methyl Iodide	3.96	142	191987	19.575 ug/l	98
12) Methyl Acetate	4.33	43	116996	20.986 ug/l	98
13) Acrolein	3.61	56	69188	125.143 ug/l	100
14) Acrylonitrile	4.99	53	274393	102.422 ug/l	98
15) Acetone	3.82	58	66092	85.604 ug/l	97
16) Carbon Disulfide	4.06	76	424718	19.798 ug/l	100
17) Allyl chloride	4.33	41	226026	19.329 ug/l	99
18) Methylene Chloride	4.55	84	160568	21.030 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	143326	19.980 ug/l	98
20) Diisopropyl ether	5.95	45	480812	20.554 ug/l	95
21) 1,1-Dichloroethane	5.85	63	288694	20.897 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	163419	20.464 ug/l	97
23) tert-Butyl Alcohol	4.78	59	47913	99.850 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	371470	20.752 ug/l	100
25) Chloroform	7.37	83	274676	20.606 ug/l	100
26) Cyclohexane	7.65	56	256990	20.440 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	210026	20.992 ug/l	98
30) 2-Butanone	6.83	43	308083	97.528 ug/l	99
31) 2,2-Dichloropropane	6.83	77	196448	19.913 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	226668	21.063 ug/l	99
33) Carbon Tetrachloride	7.78	117	197751	20.754 ug/l	97
34) Benzene	8.04	78	627195	21.094 ug/l	99
35) Methacrylonitrile	7.18	41	76046	21.530 ug/l	87
36) 1,2-Dichloroethane	8.13	62	201654	21.120 ug/l	99
37) Trichloroethene	8.84	130	160102	20.627 ug/l	98
38) Methylcyclohexane	9.08	83	234187	19.832 ug/l	98
39) 1,2-Dichloropropane	9.12	63	171624	21.070 ug/l	98
40) Dibromomethane	9.21	93	98511	21.096 ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0301WBSD01

Quant Time: Mar 01 23:47:20 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	206428	20.834	ug/l	99
42) Vinyl Acetate	5.90	43	1685073	103.254	ug/l	100
43) Ethyl Acetate	6.93	43	139030	21.012	ug/l #	70
44) Isopropyl Acetate	8.16	43	236153	20.340	ug/l	98
45) 1,4-Dioxane	9.20	88	29312	430.211	ug/l	92
46) Methyl methacrylate	9.20	41	111665	20.023	ug/l	95
47) n-amyl Acetate	12.07	43	155052	18.180	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	196007	19.730	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	233370	20.005	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	136524	20.842	ug/l	99
51) Ethyl methacrylate	10.43	69	155542	19.725	ug/l	98
52) 1,3-Dichloropropane	10.71	76	231919	20.629	ug/l	100
53) Dibromochloromethane	10.90	129	144937	20.137	ug/l	97
54) 1,2-Dibromoethane	11.01	107	125606	20.130	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	342818	93.683	ug/l	99
56) Bromoform	12.13	173	91773	19.203	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	637672	102.253	ug/l	98
59) 2-Hexanone	10.75	43	386237	94.795	ug/l	99
61) Tetrachloroethene	10.63	164	158800	20.640	ug/l	97
62) Toluene	10.16	91	650124	21.019	ug/l	100
64) Chlorobenzene	11.43	112	384320	20.405	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	143983	20.820	ug/l	99
66) Ethyl Benzene	11.51	91	656374	20.302	ug/l	100
67) m/p-Xylenes	11.62	106	502219	41.259	ug/l	99
68) o-Xylene	11.95	106	240581	20.389	ug/l	99
69) Styrene	11.96	104	375214	20.082	ug/l	98
70) Isopropylbenzene	12.25	105	633691	20.462	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	155176	20.301	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	183763	31.661	ug/l	45
73) Bromobenzene	12.53	156	152931	19.586	ug/l	99
74) n-propylbenzene	12.59	91	726562	19.702	ug/l	100
75) 2-Chlorotoluene	12.67	91	433010	20.051	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	516415	19.685	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36122	17.489	ug/l	94
78) 4-Chlorotoluene	12.77	91	418986	19.389	ug/l	99
79) tert-butylbenzene	12.99	119	450340	19.591	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	515759	19.754	ug/l	100
81) sec-Butylbenzene	13.17	105	608881	19.313	ug/l	99
82) p-Isopropyltoluene	13.29	119	506733	18.824	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	254573	18.485	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	240803	18.313	ug/l	99
85) n-Butylbenzene	13.62	91	393627	16.777	ug/l	100
86) Hexachloroethane	13.88	117	93179	18.514	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	255921	19.161	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20993	18.982	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	103257	15.217	ug/l	99
90) Hexachlorobutadiene	15.01	225	82591	16.752	ug/l	99
91) Naphthalene	15.13	128	203732	17.981	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	107044	15.975	ug/l	98

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

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

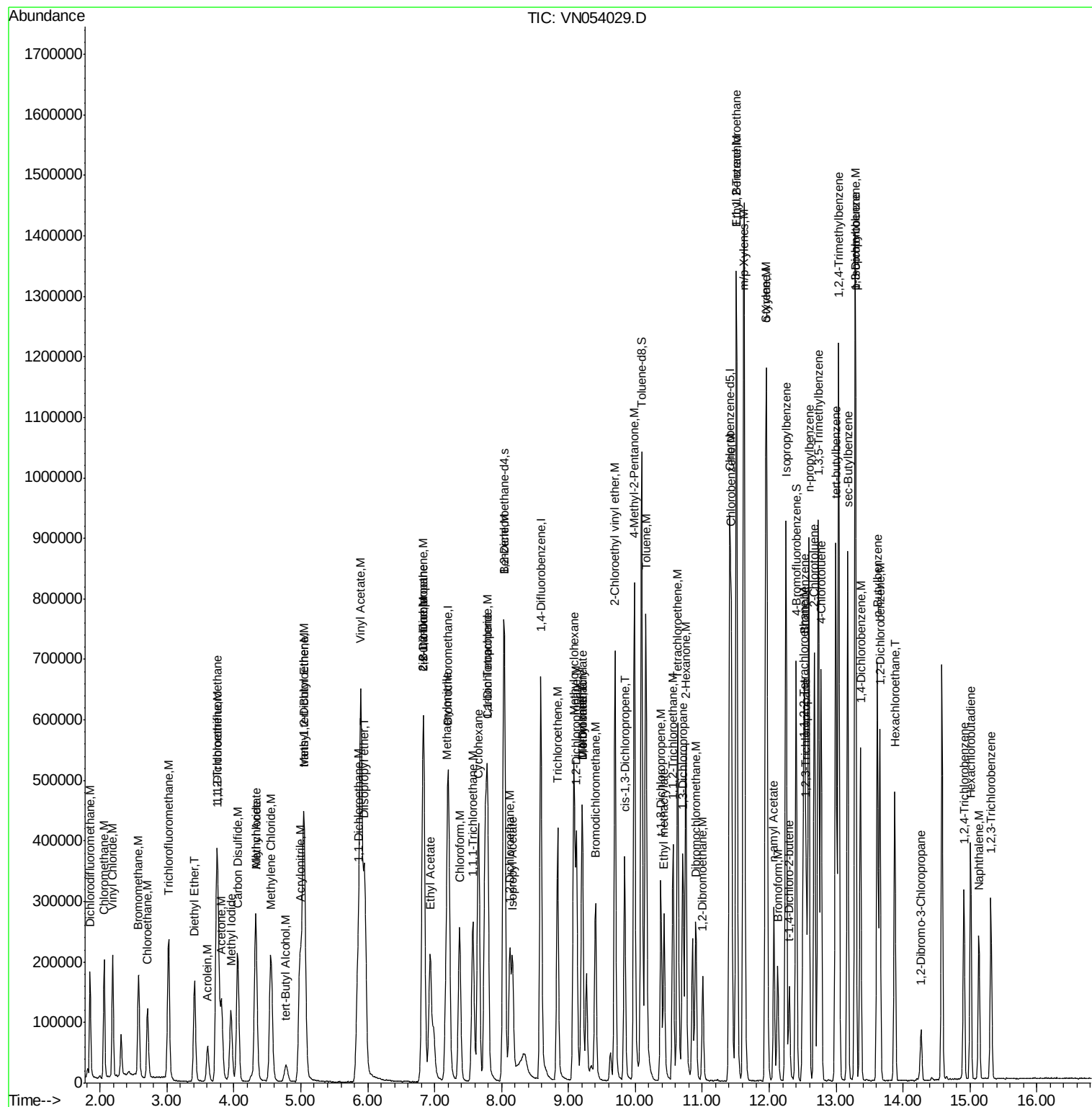
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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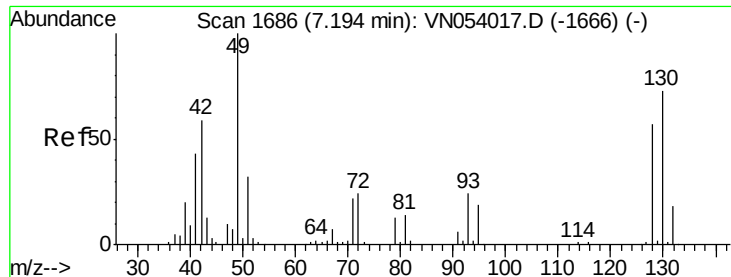
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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Sample : VN0301WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VN0301WBSD01

Quant Time: Mar 01 23:47:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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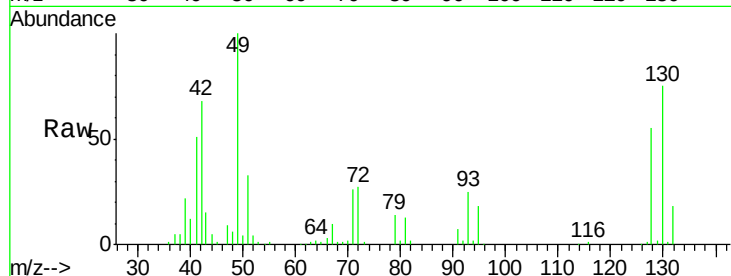




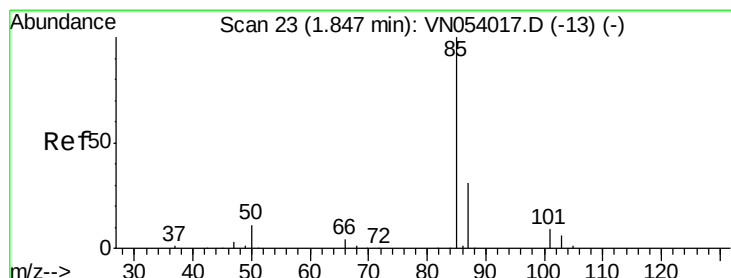
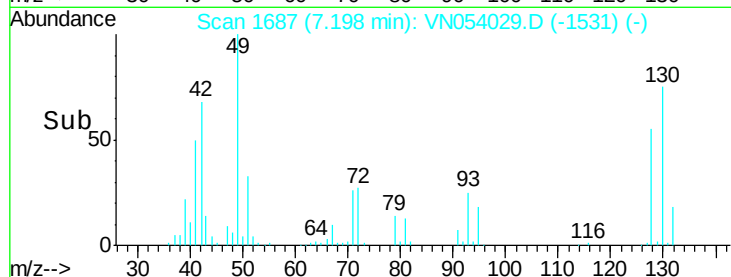
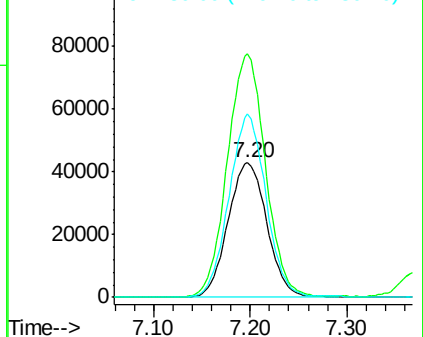
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBSD01

Tot Ion:128 Resp: 119958
 Ion Ratio Lower Upper
 128 100
 49 177.6 0.0 431.8
 130 129.5 0.0 317.0

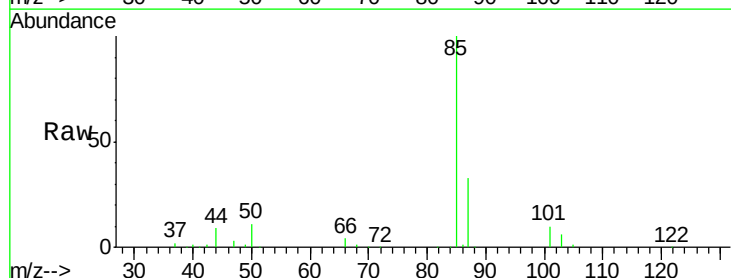


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

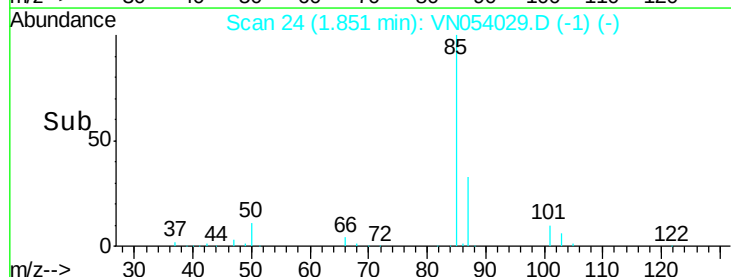
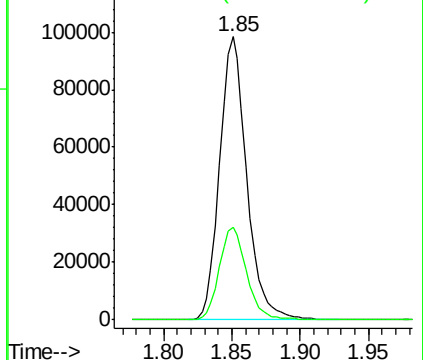


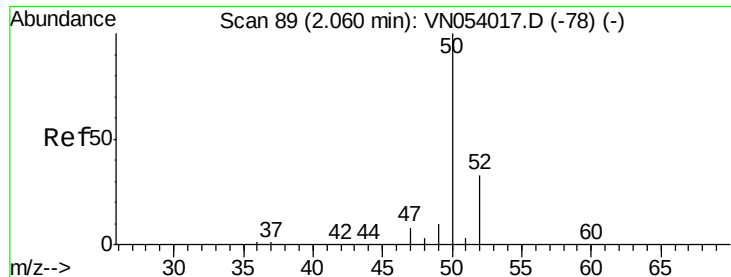
#2
 Dichlorodifluoromethane
 Concen: 20.050 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 85 Resp: 135989
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.1 48.3



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





#3

Chloromethane

Concen: 20.473 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

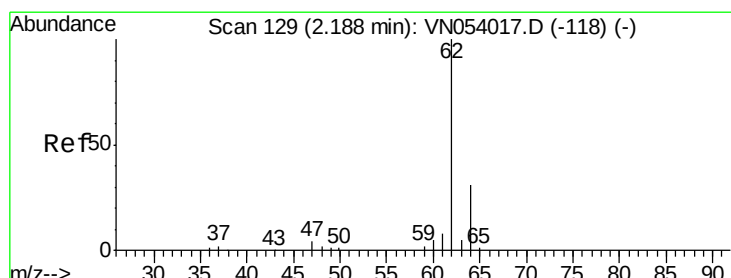
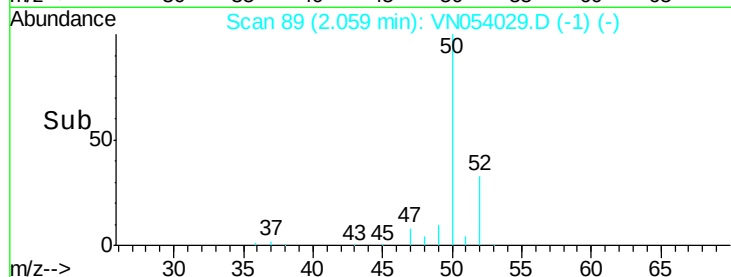
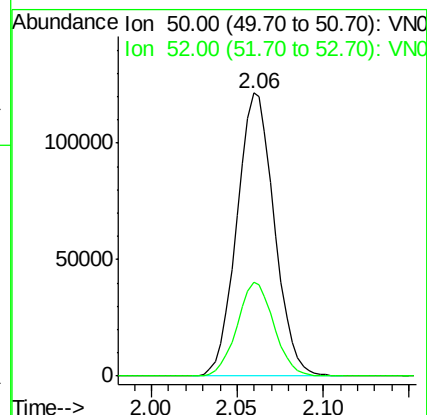
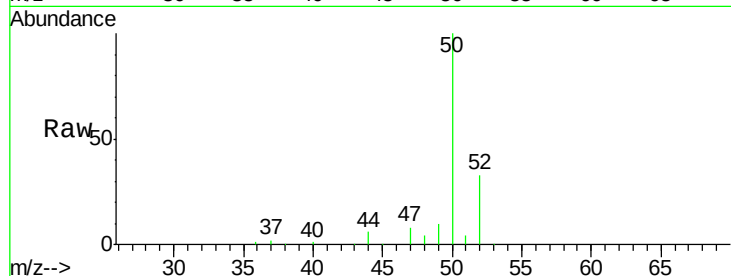
VN0301WBSD01

Tot Ion: 50 Resp: 184707

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 20.489 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054029.D

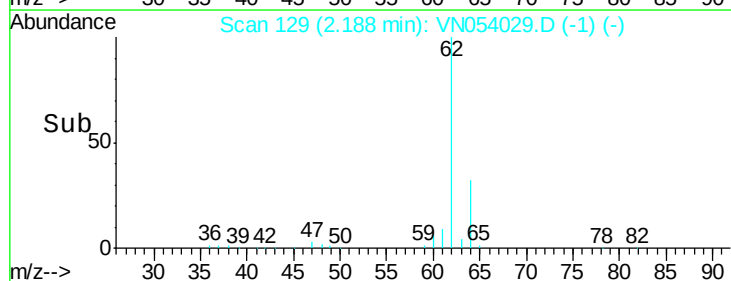
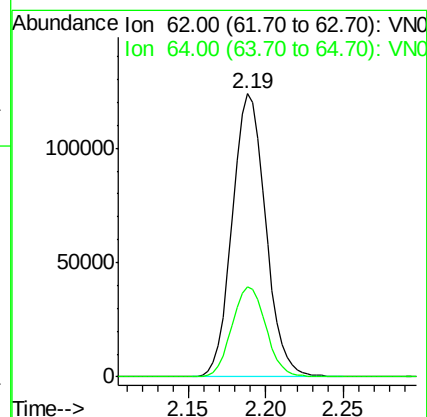
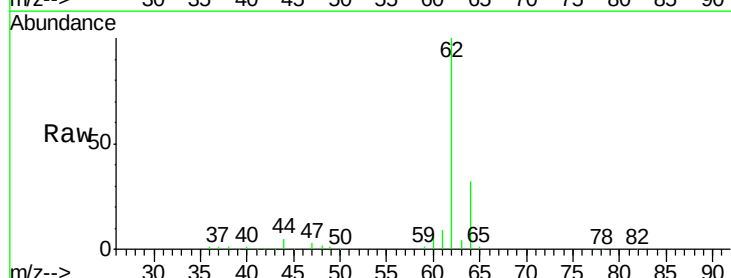
Acq: 1 Mar 2019 15:04

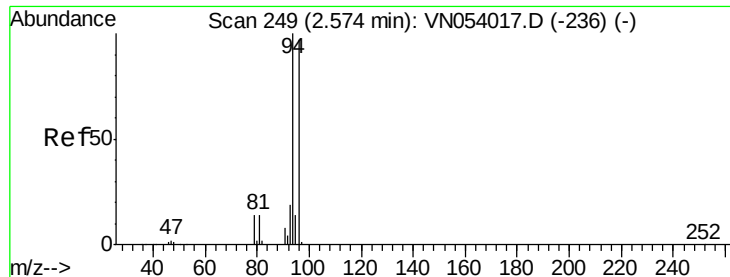
Tgt Ion: 62 Resp: 185105

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.4





#5

Bromomethane

Concen: 20.285 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

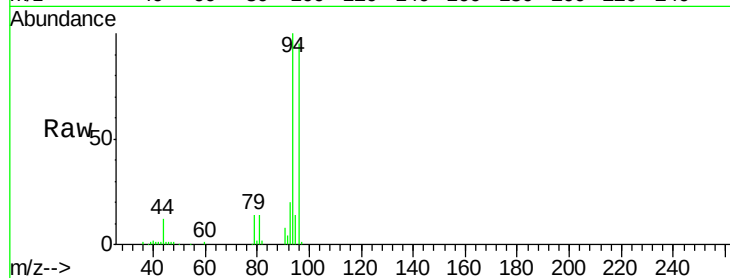
VN0301WBSD01

Tot Ion: 94 Resp: 112734

Ion Ratio Lower Upper

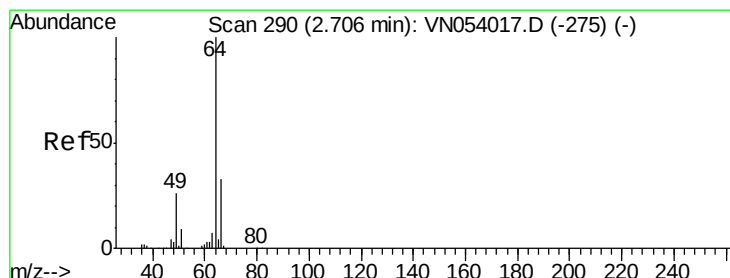
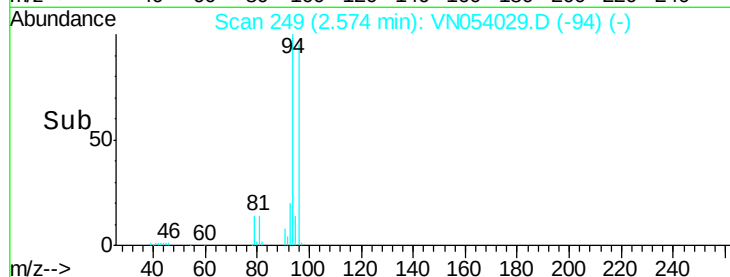
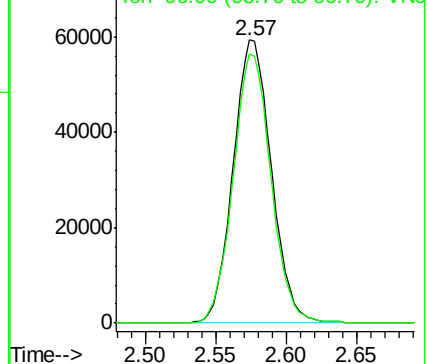
94 100

96 95.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.473 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054029.D

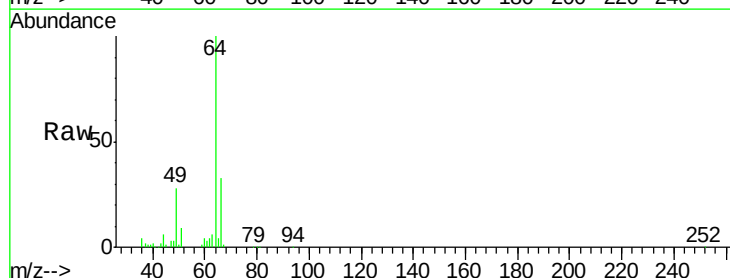
Acq: 1 Mar 2019 15:04

Tgt Ion: 64 Resp: 108901

Ion Ratio Lower Upper

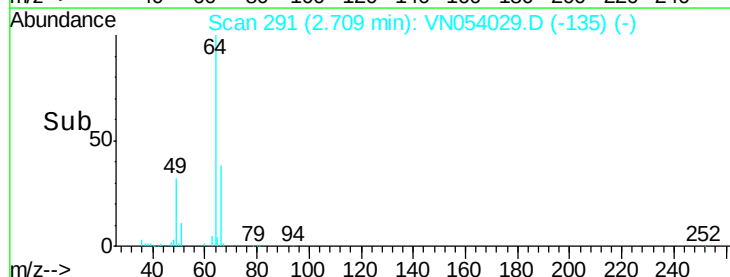
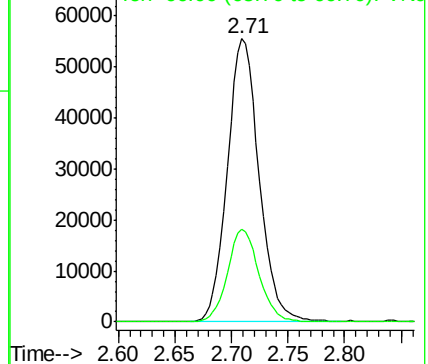
64 100

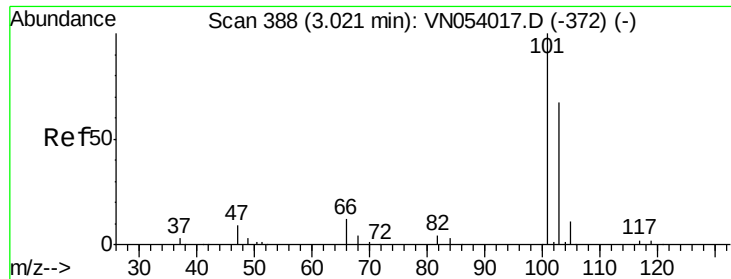
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



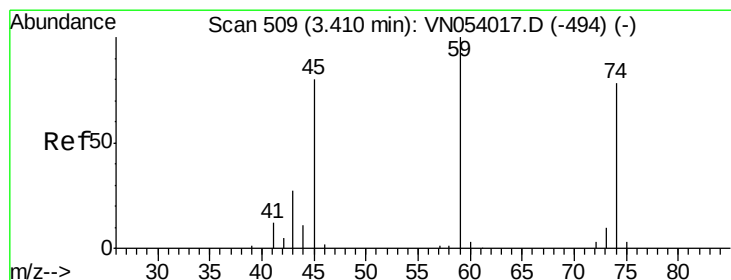
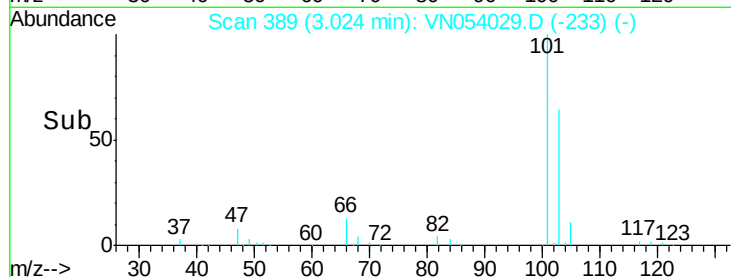
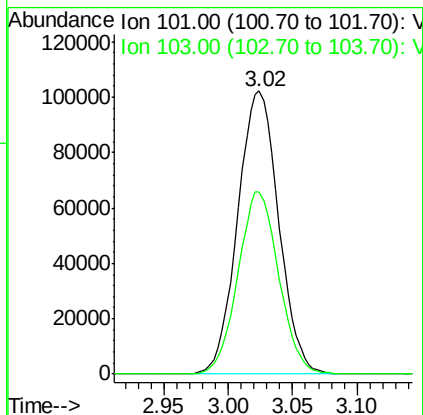
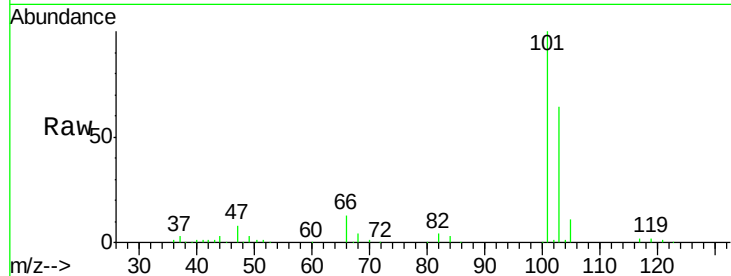


#7

Trichlorofluoromethane
 Concen: 20.650 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

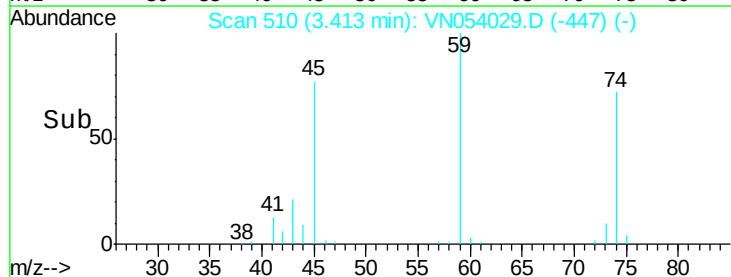
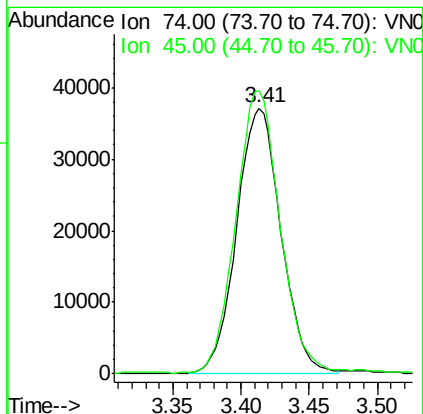
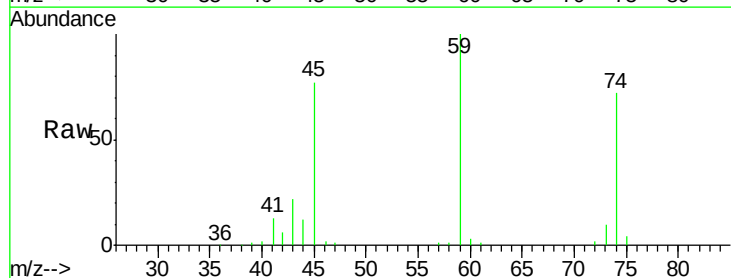
Tot Ion:101 Resp: 226667
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.1 78.1

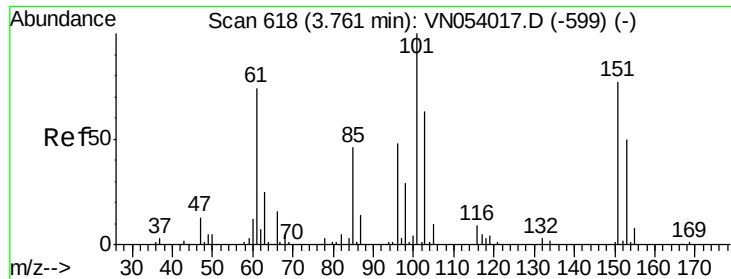


#8

Diethyl Ether
 Concen: 20.323 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 74 Resp: 83896
 Ion Ratio Lower Upper
 74 100
 45 105.5 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.005 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

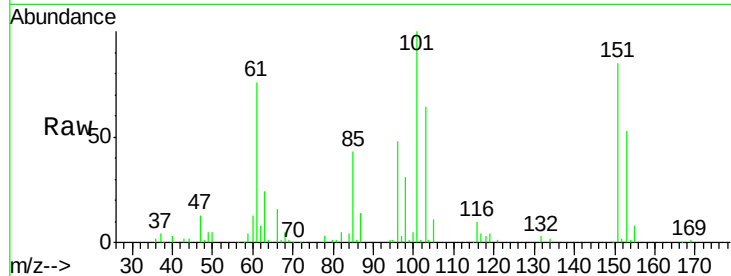
Tot Ion:101 Resp: 141175

Ion Ratio Lower Upper

101 100

85 42.7 0.0 82.6

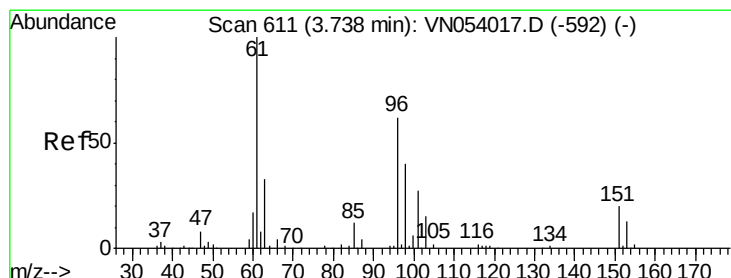
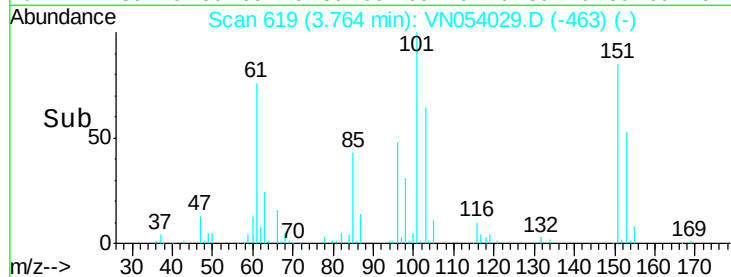
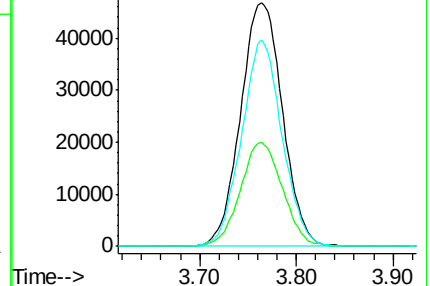
151 81.7 0.0 158.4



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: 20.225 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

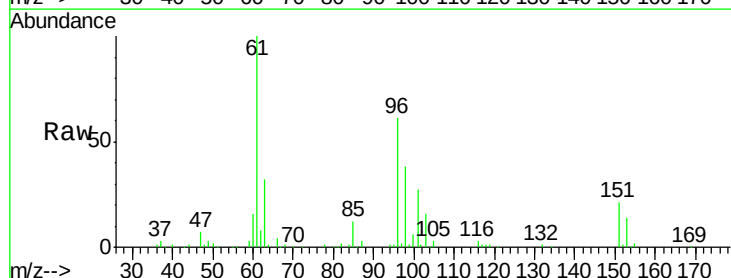
Tgt Ion: 96 Resp: 133734

Ion Ratio Lower Upper

96 100

61 162.9 129.4 194.2

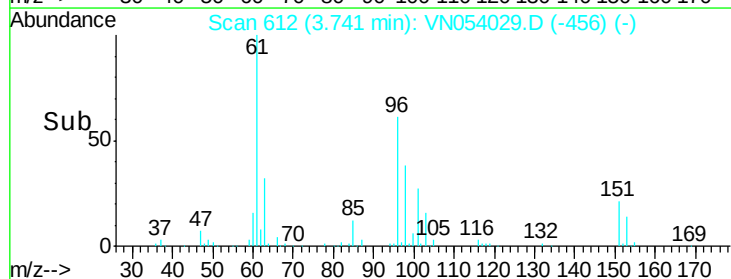
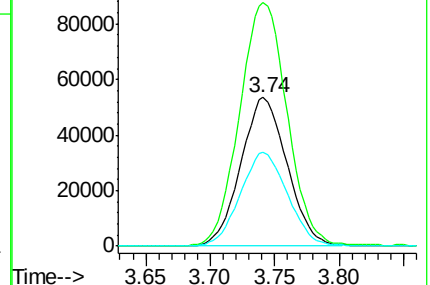
98 62.8 50.4 75.6

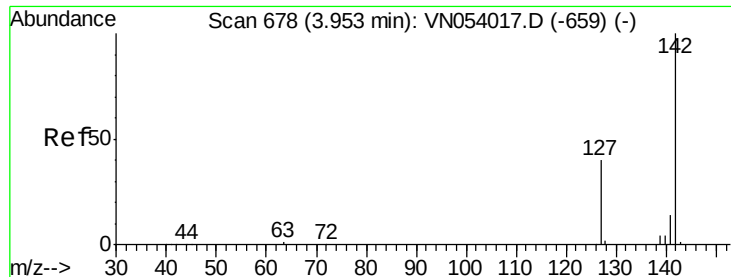


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

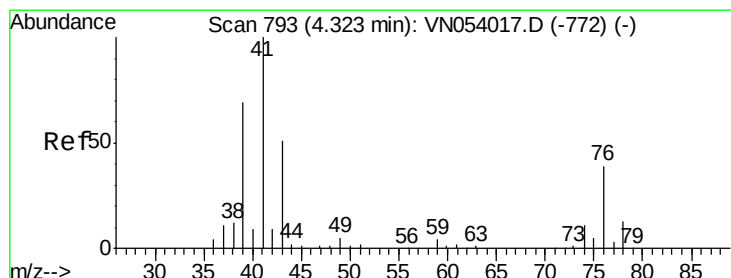
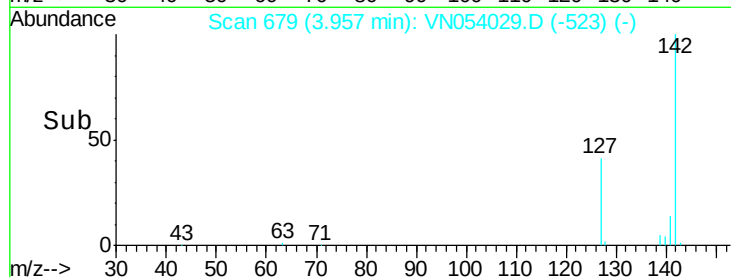
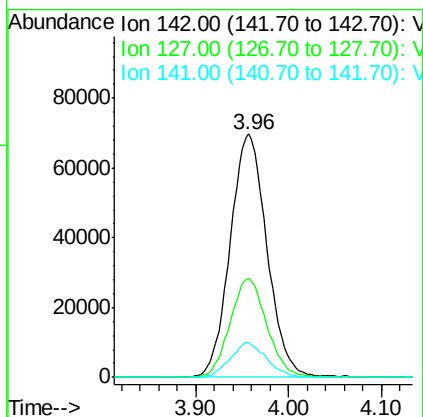
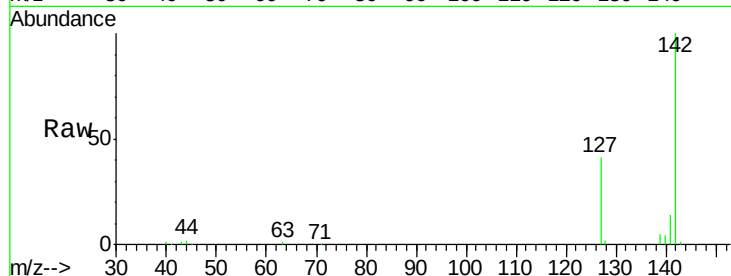




#11
Methyl Iodide
Concen: 19.575 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

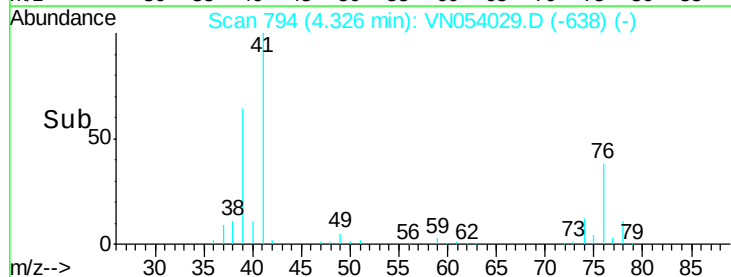
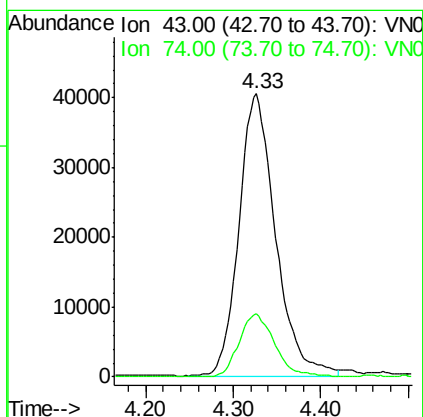
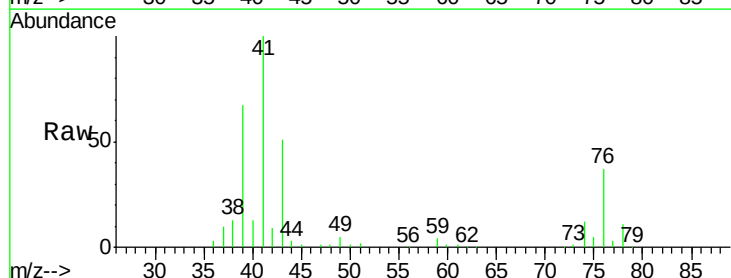
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

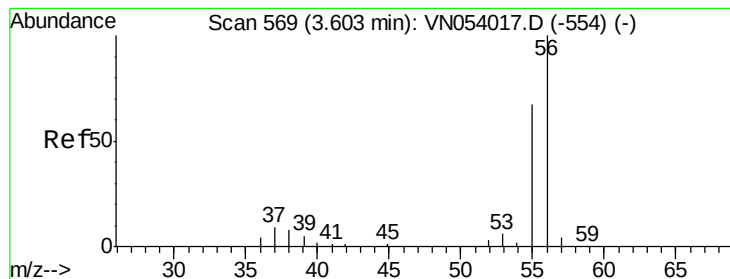
Tot Ion:142 Resp: 191987
Ion Ratio Lower Upper
142 100
127 40.5 19.4 58.1
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 20.986 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 43 Resp: 116996
Ion Ratio Lower Upper
43 100
74 22.8 18.9 28.3





#13

Acrolein

Concen: 125.143 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

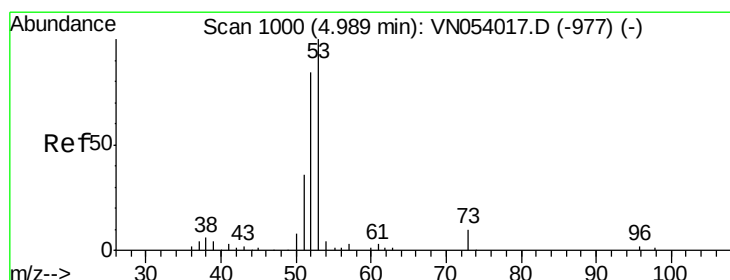
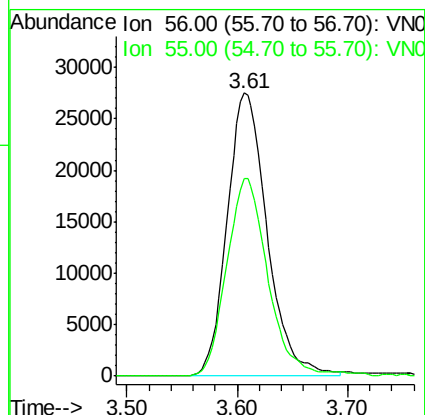
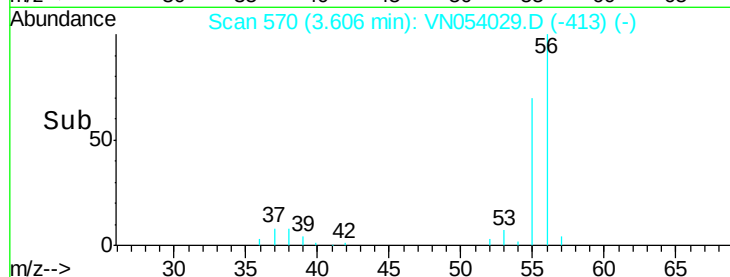
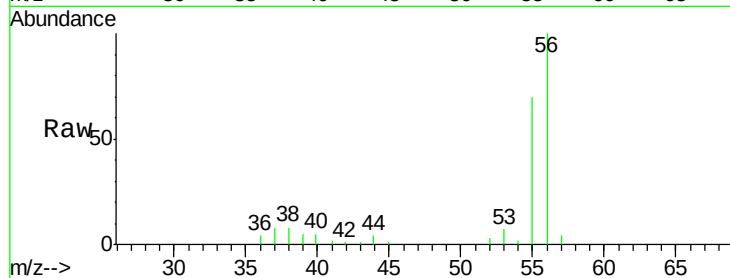
VN0301WBSD01

Tot Ion: 56 Resp: 69188

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Acrylonitrile

Concen: 102.422 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

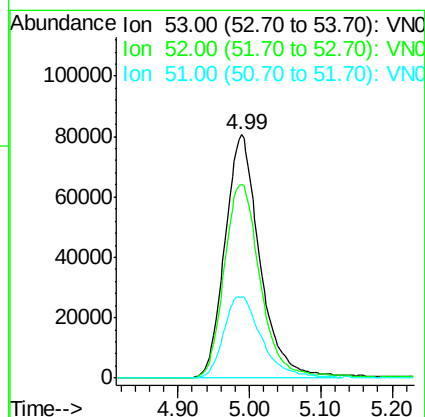
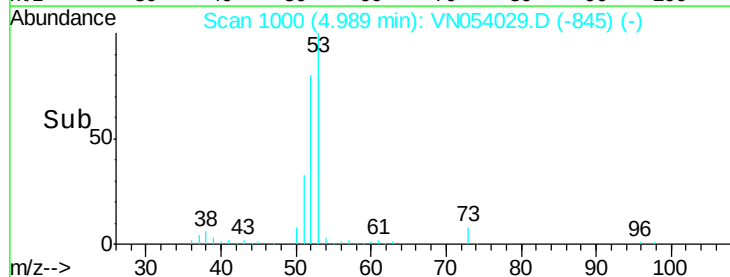
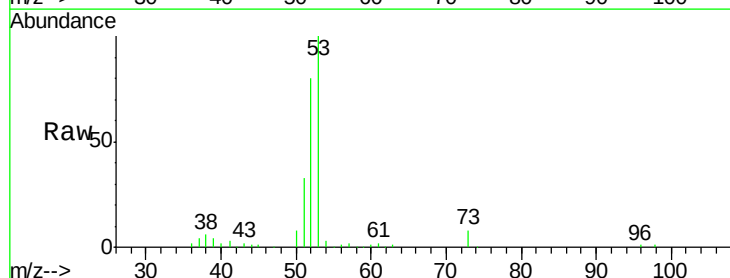
Tgt Ion: 53 Resp: 274393

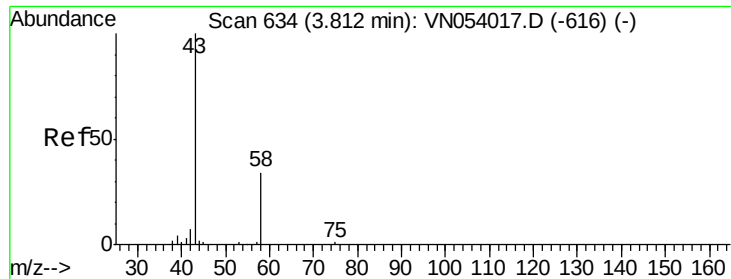
Ion Ratio Lower Upper

53 100

52 81.2 39.9 119.7

51 36.2 17.6 52.9





#15

Acetone

Concen: 85.604 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

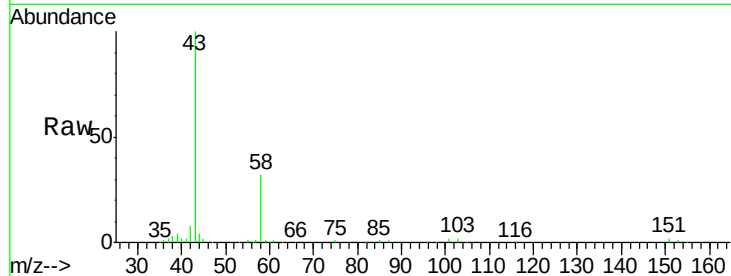
VN0301WBSD01

Tot Ion: 58 Resp: 66092

Ion Ratio Lower Upper

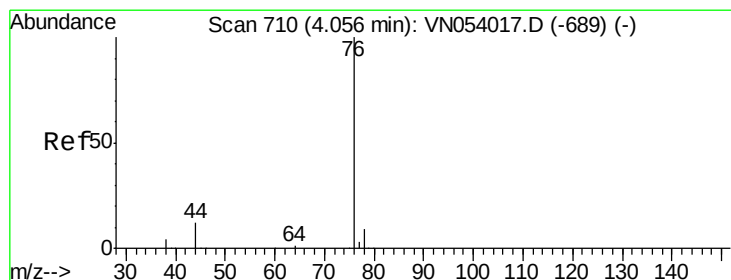
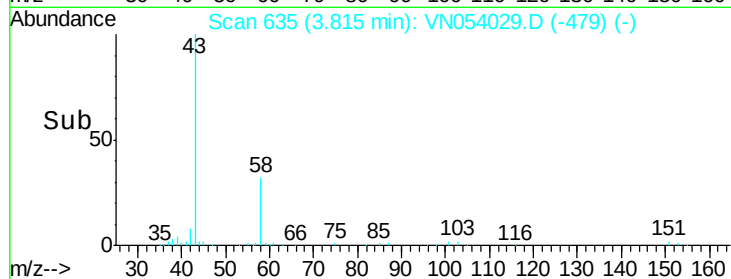
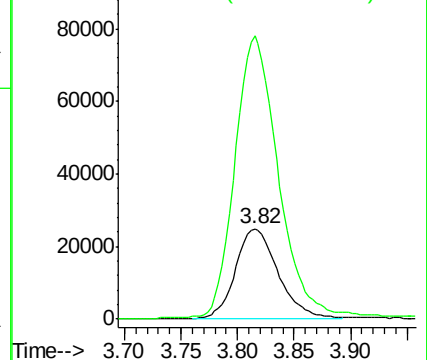
58 100

43 310.0 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.798 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054029.D

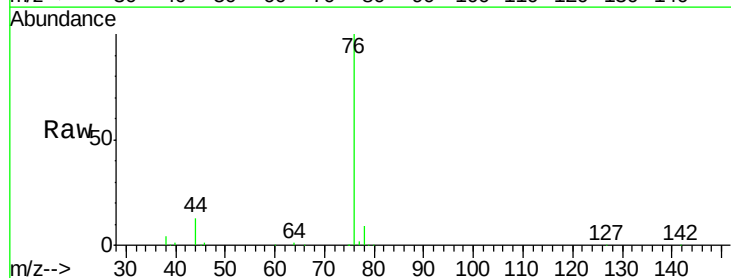
Acq: 1 Mar 2019 15:04

Tgt Ion: 76 Resp: 424718

Ion Ratio Lower Upper

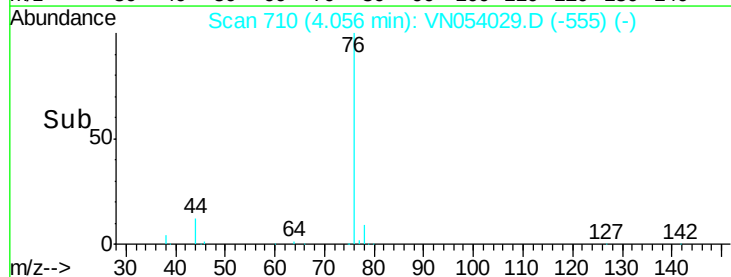
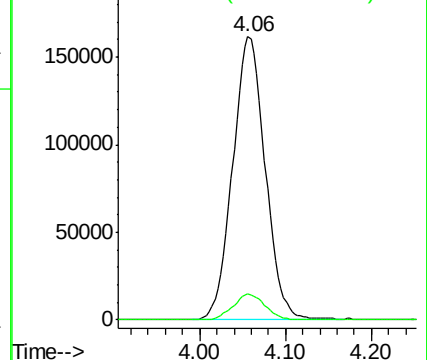
76 100

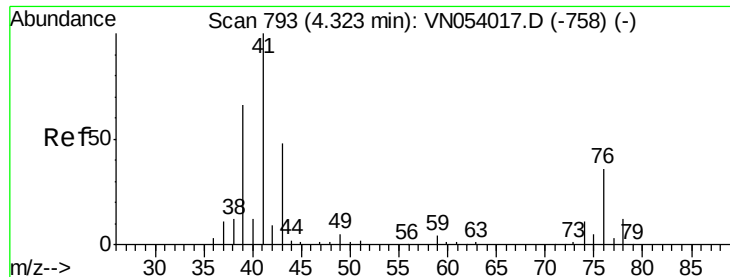
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

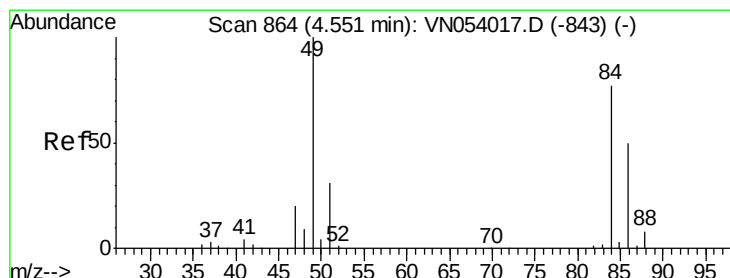
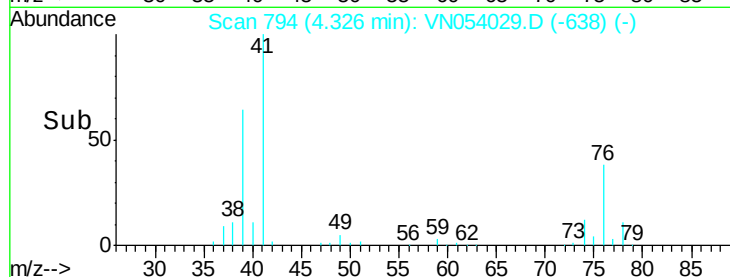
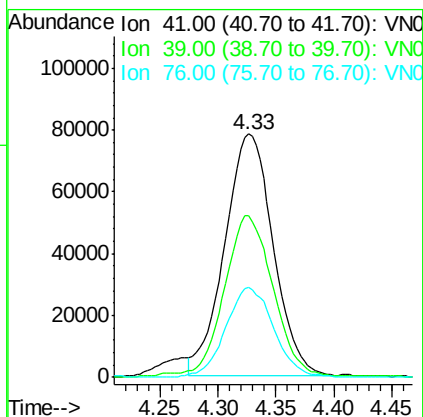
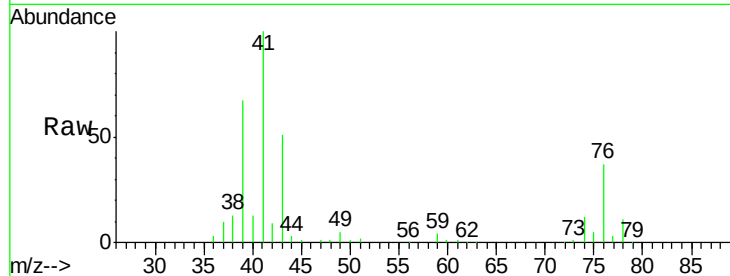




#17
Allvl chloride
Concen: 19.329 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

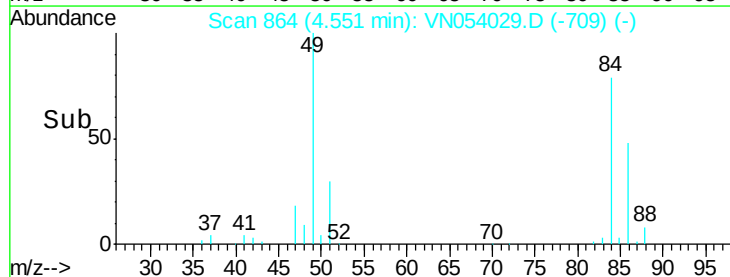
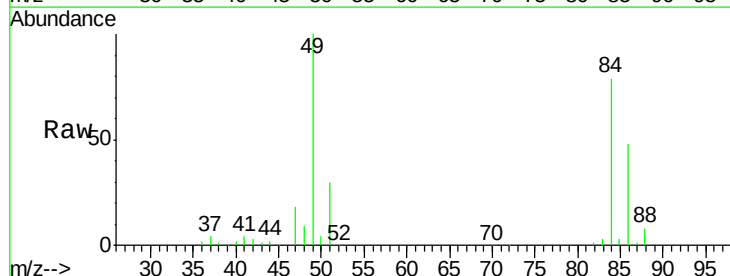
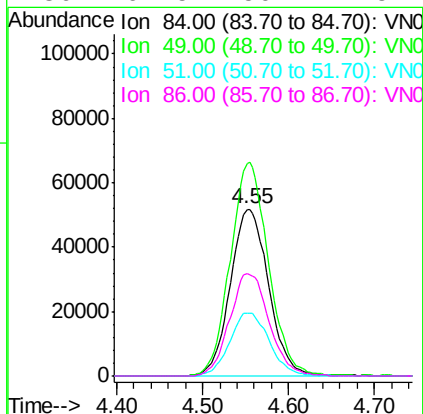
Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

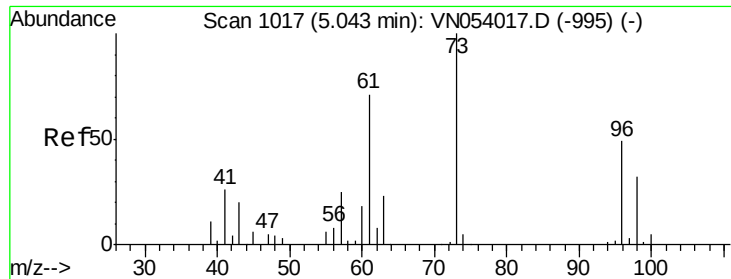
Tot Ion: 41 Resp: 226026
Ion Ratio Lower Upper
41 100
39 66.4 32.8 98.3
76 37.1 18.6 55.8



#18
Methylene Chloride
Concen: 21.030 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 84 Resp: 160568
Ion Ratio Lower Upper
84 100
49 127.3 101.4 152.0
51 37.6 31.7 47.5
86 61.5 50.1 75.1

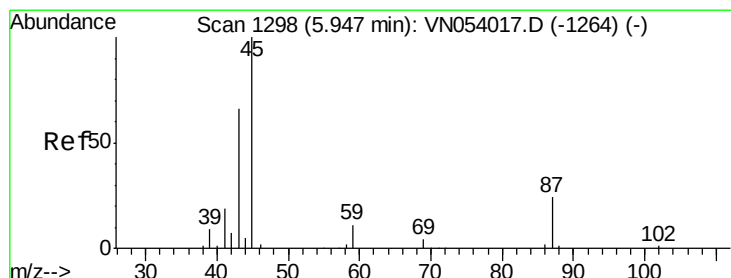
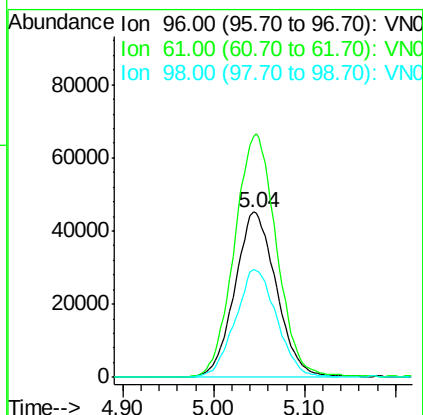
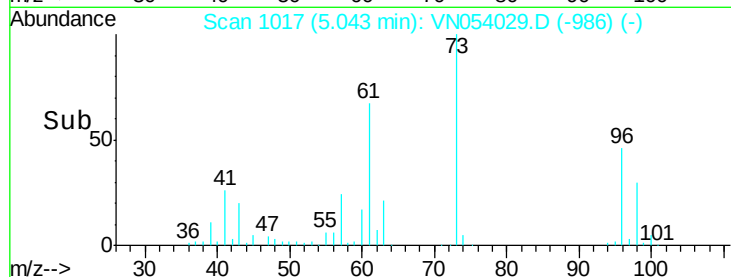
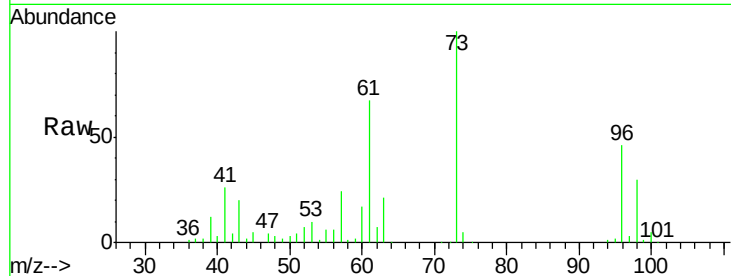




#19
trans-1,2-Dichloroethene
Concen: 19.980 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

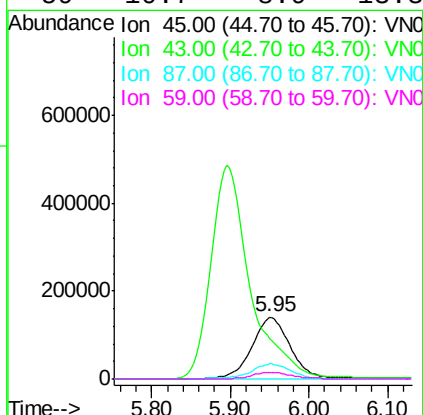
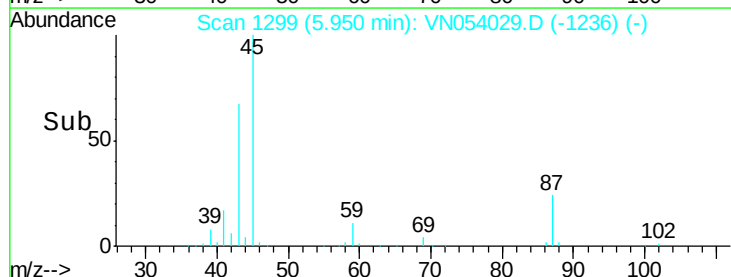
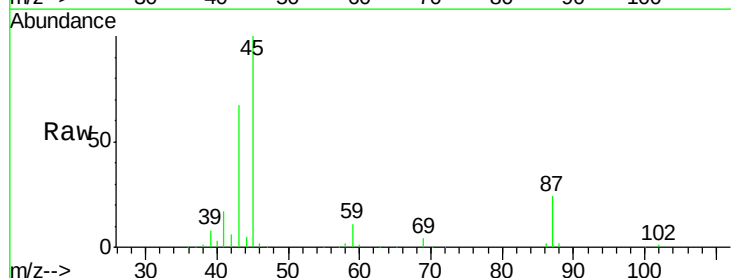
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

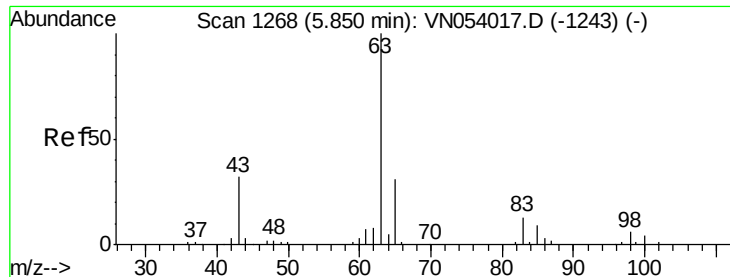
Tot Ion: 96 Resp: 143326
Ion Ratio Lower Upper
96 100
61 145.3 118.2 177.4
98 65.2 51.4 77.2



#20
Diisopropyl ether
Concen: 20.554 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 45 Resp: 480812
Ion Ratio Lower Upper
45 100
43 63.6 47.8 71.8
87 23.6 21.3 31.9
59 10.7 8.9 13.3

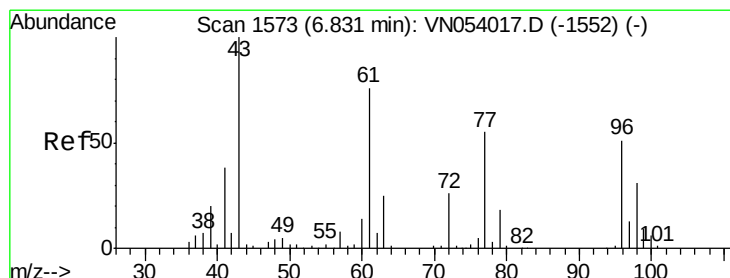
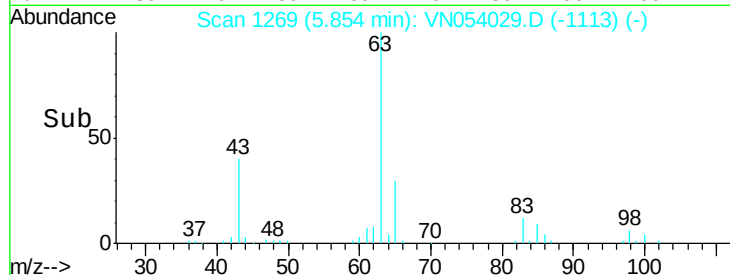
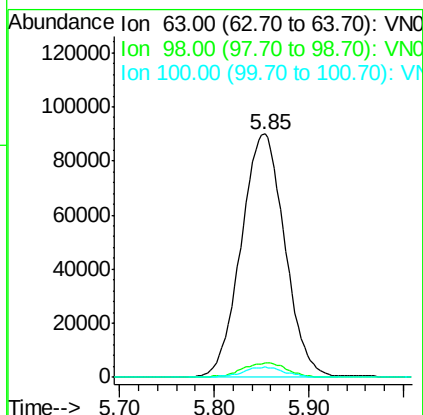
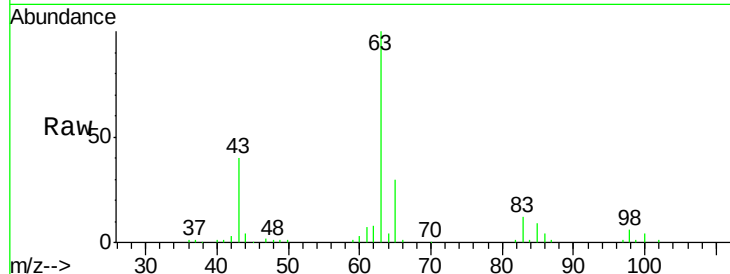




#21
 1,1-Dichloroethane
 Concen: 20.897 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

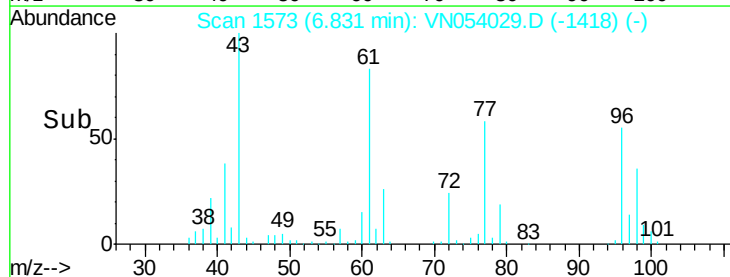
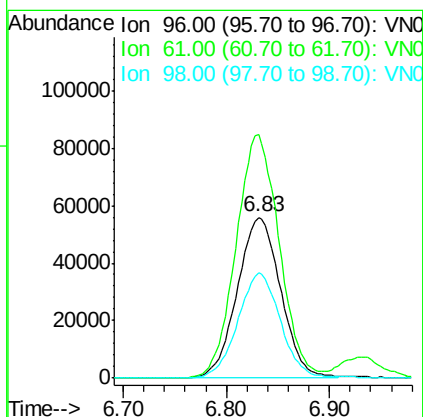
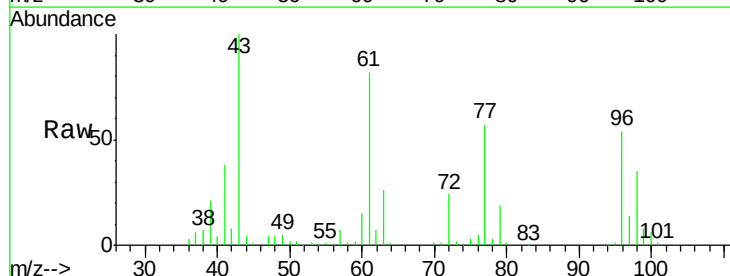
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

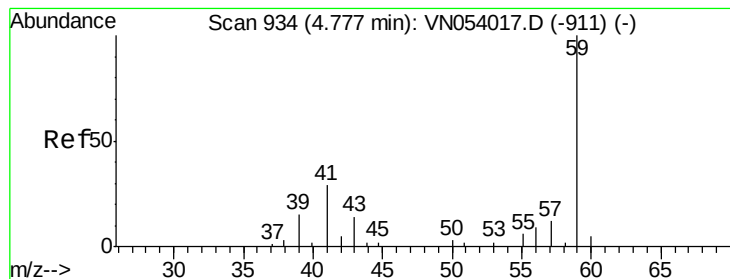
Tot Ion: 63 Resp: 288694
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 4.2 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.464 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 96 Resp: 163419
 Ion Ratio Lower Upper
 96 100
 61 150.5 116.7 175.1
 98 64.1 50.8 76.2





#23

tert-Butyl Alcohol

Concen: 99.850 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

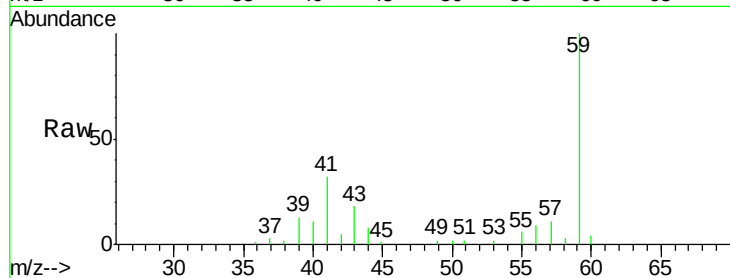
VN0301WBSD01

Tot Ion: 59 Resp: 47913

Ion Ratio Lower Upper

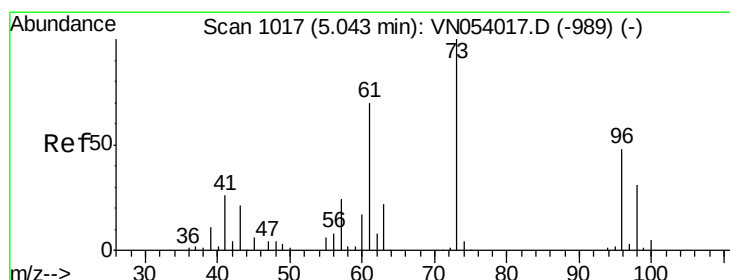
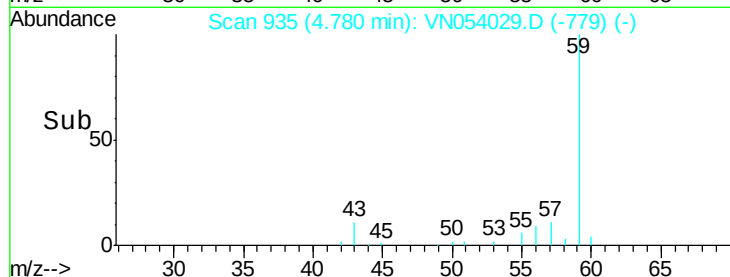
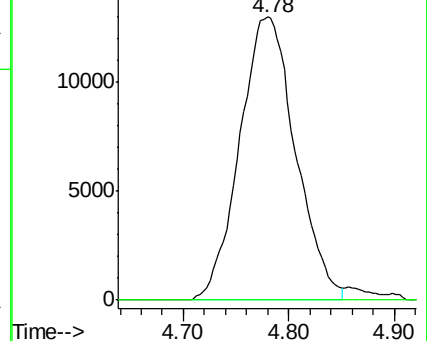
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.752 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN054029.D

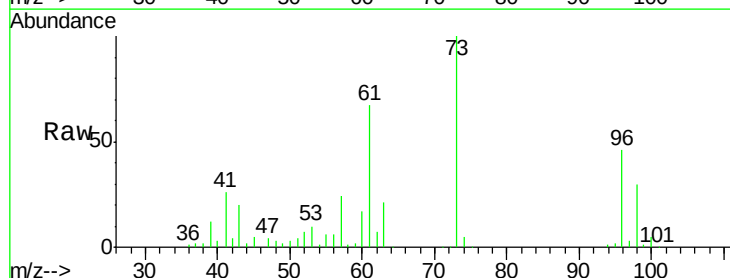
Acq: 1 Mar 2019 15:04

Tgt Ion: 73 Resp: 371470

Ion Ratio Lower Upper

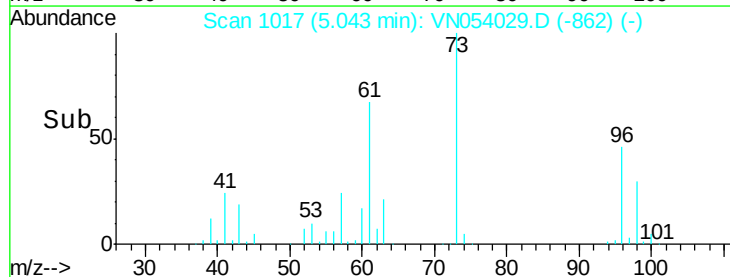
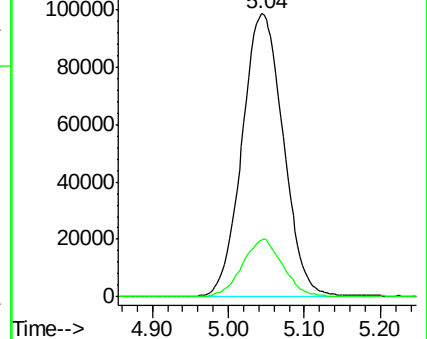
73 100

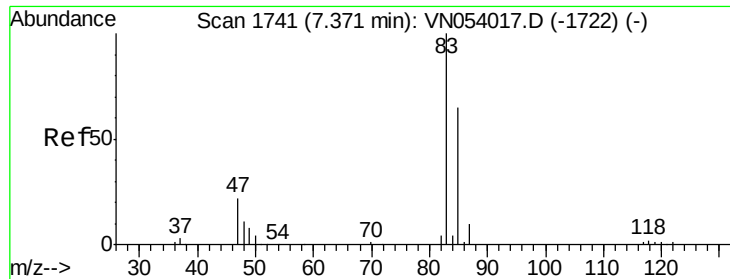
43 19.8 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

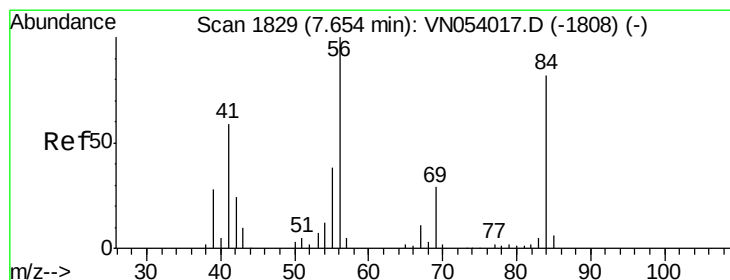
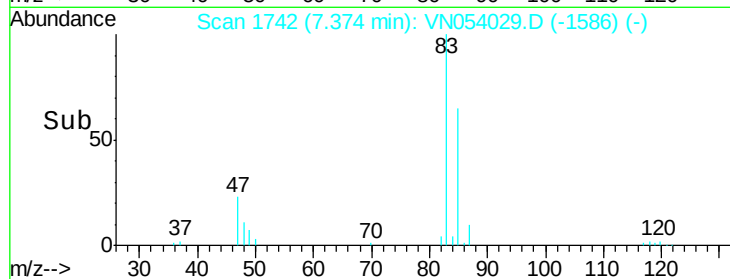
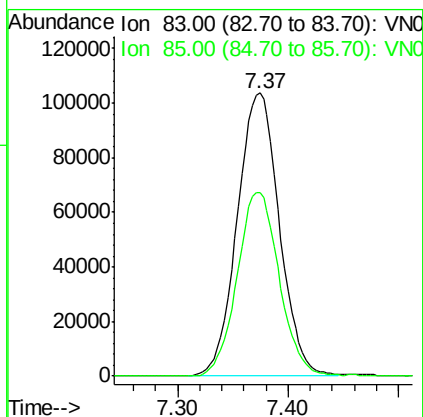
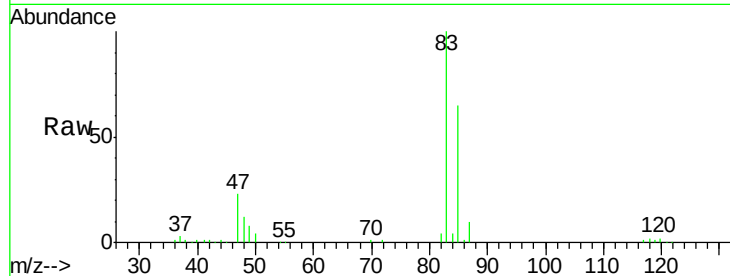




#25
Chloroform
Concen: 20.606 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

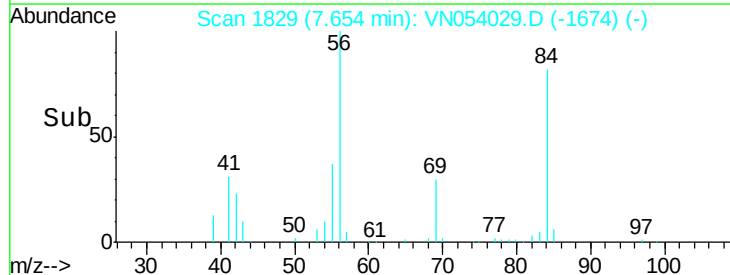
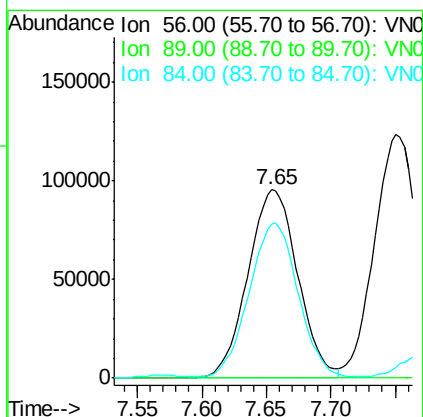
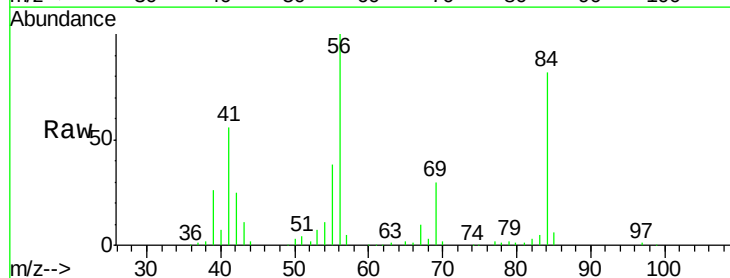
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

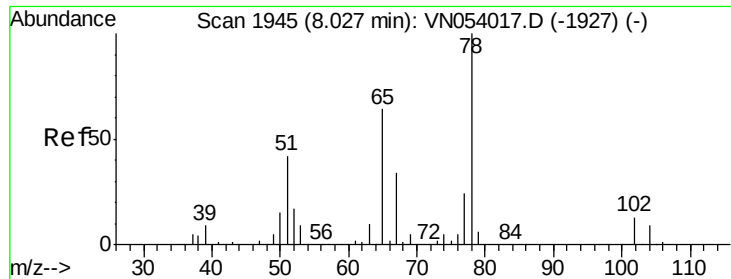
Tot Ion: 83 Resp: 274676
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5



#26
Cyclohexane
Concen: 20.440 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 56 Resp: 256990
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 81.6 66.2 99.2

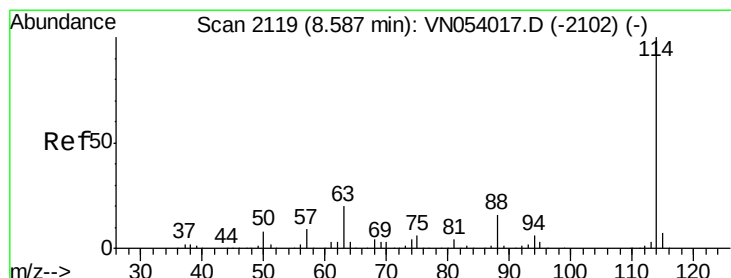
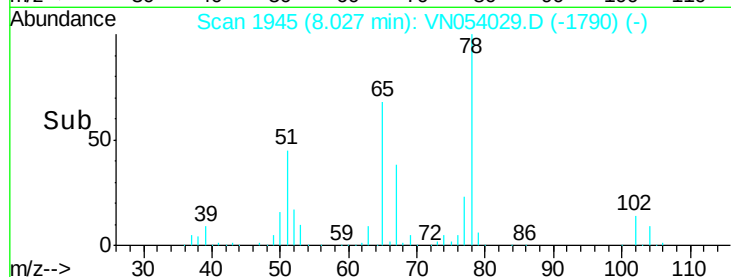
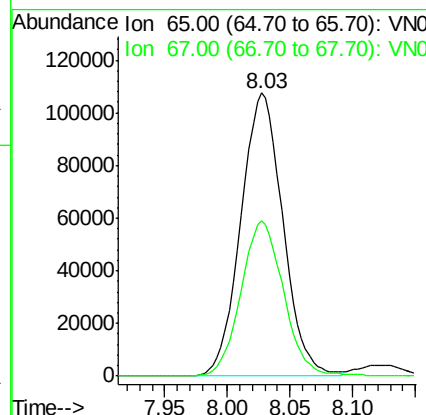
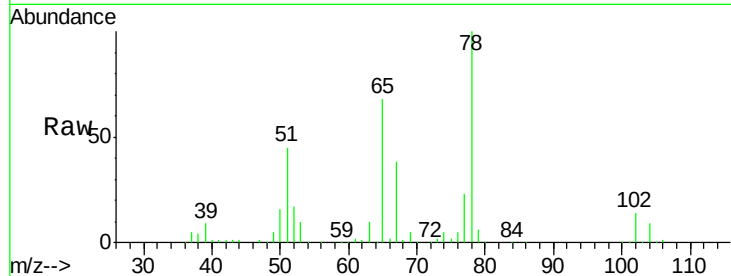




#27
 1,2-Dichloroethane-d4
 Concen: 20.440 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

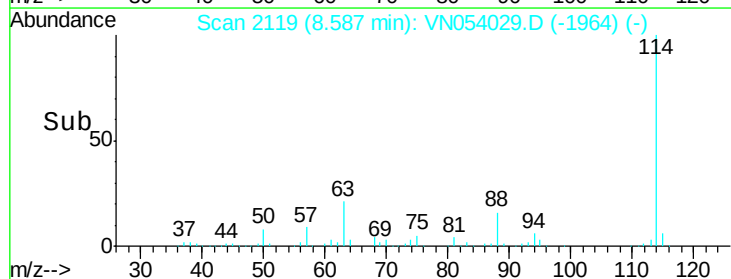
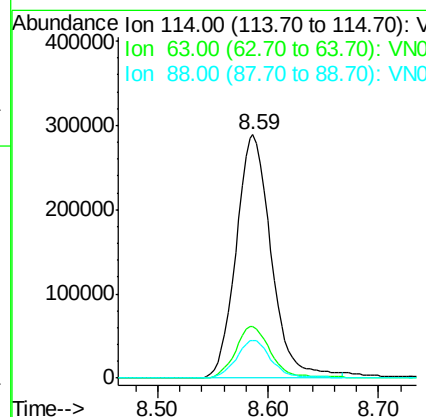
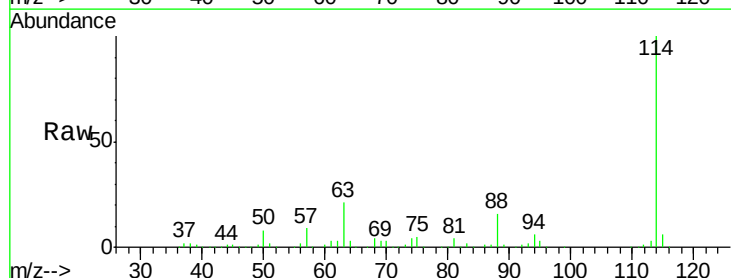
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

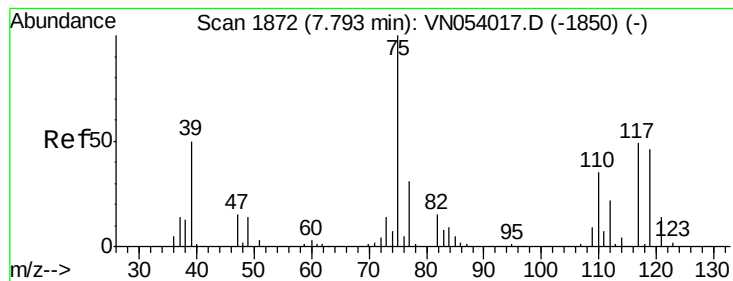
Tot Ion: 65 Resp: 251233
 Ion Ratio Lower Upper
 65 100
 67 55.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 114 Resp: 638726
 Ion Ratio Lower Upper
 114 100
 63 21.3 16.9 25.3
 88 15.3 12.8 19.2





#29

1,1-Dichloropropene

Concen: 20.992 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0301WBSD01

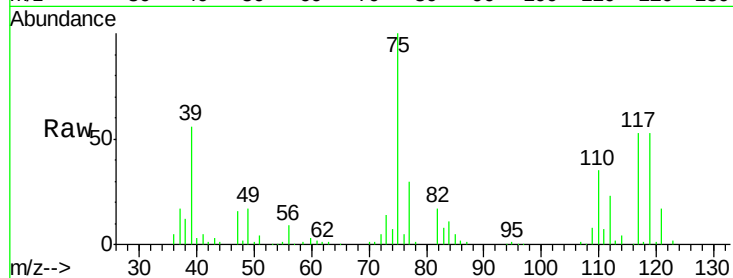
Tot Ion: 75 Resp: 210026

Ion Ratio Lower Upper

75 100

110 33.5 0.0 70.2

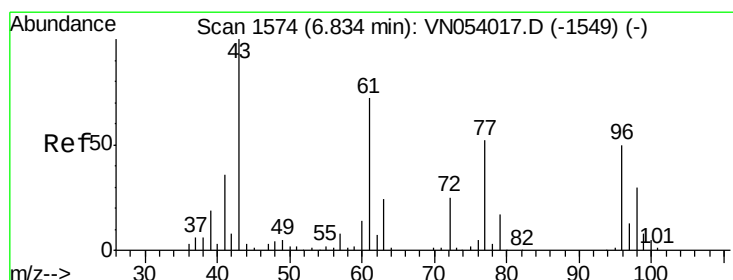
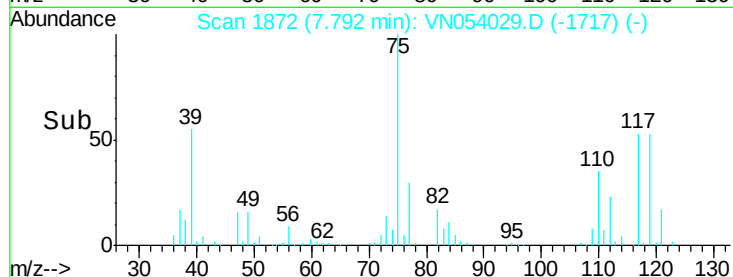
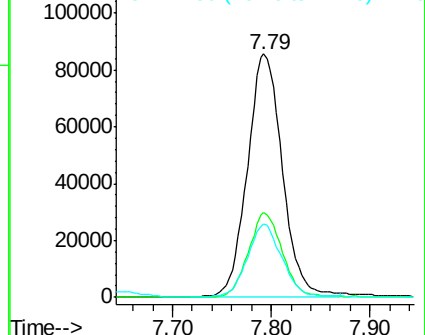
77 30.1 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 97.528 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

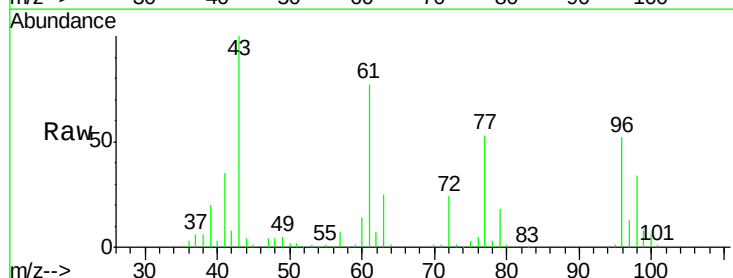
Tgt Ion: 43 Resp: 308083

Ion Ratio Lower Upper

43 100

57 7.9 6.2 9.4

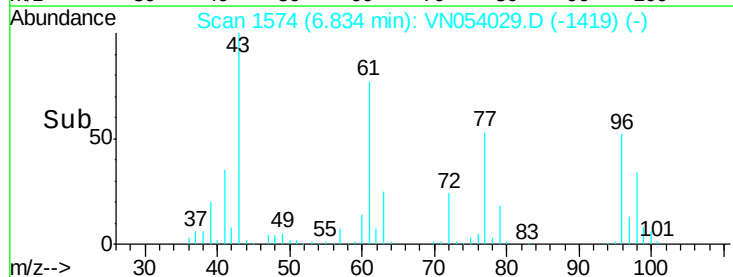
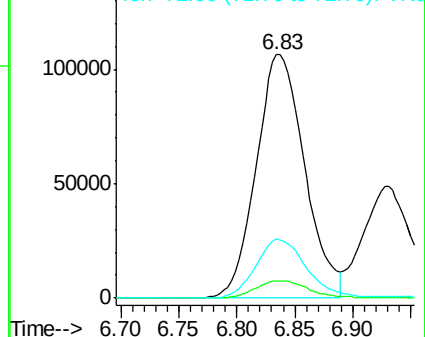
72 25.4 21.0 31.6

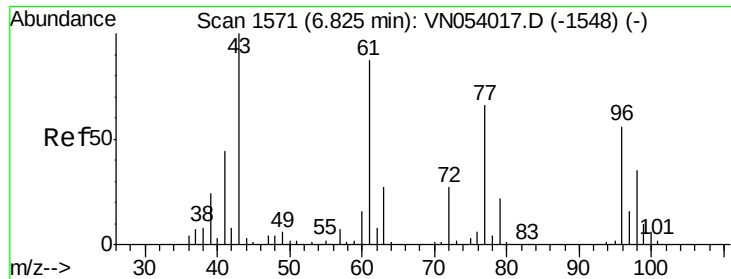


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

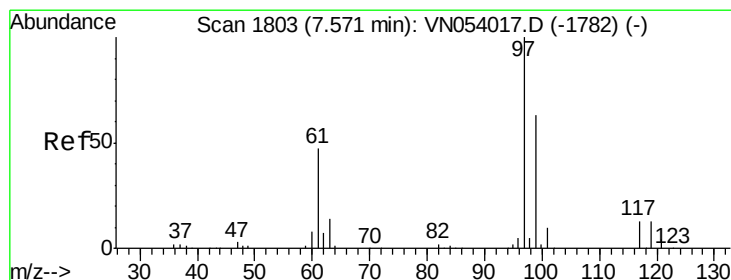
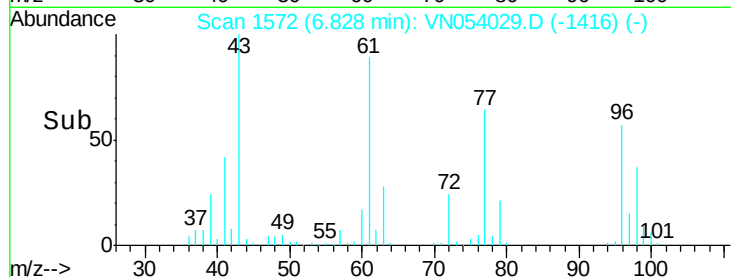
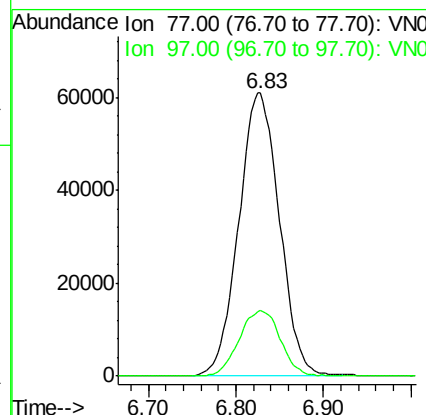
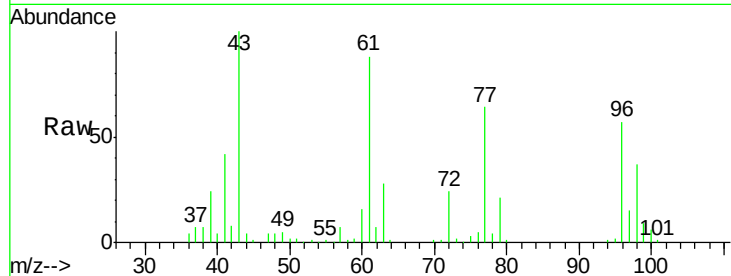




#31
 2,2-Dichloropropane
 Concen: 19.913 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

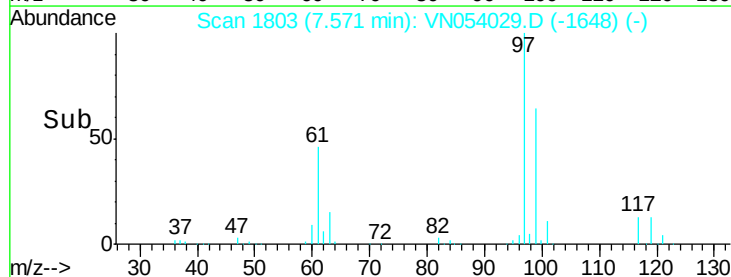
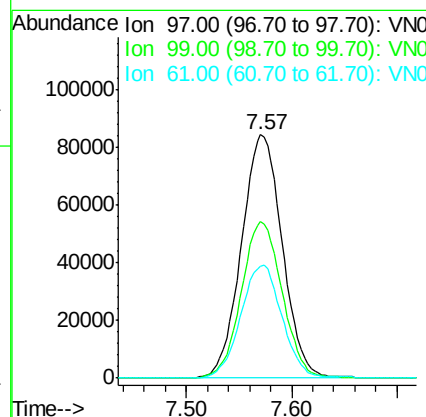
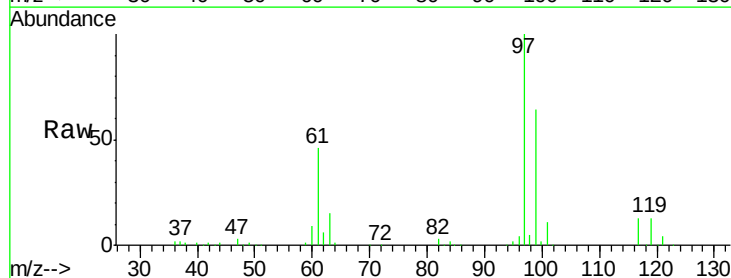
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

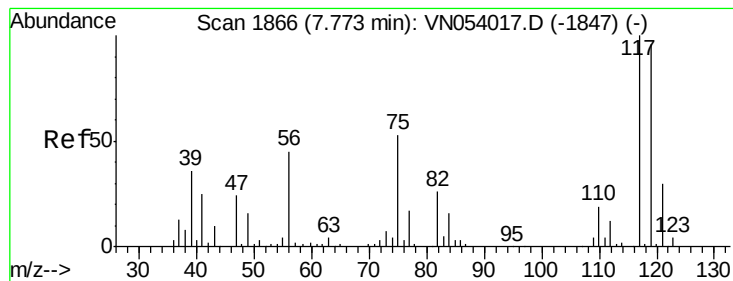
Tot Ion: 77 Resp: 196448
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 21.063 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 97 Resp: 226668
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.9 76.3
 61 46.8 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.754 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0301WBSD01

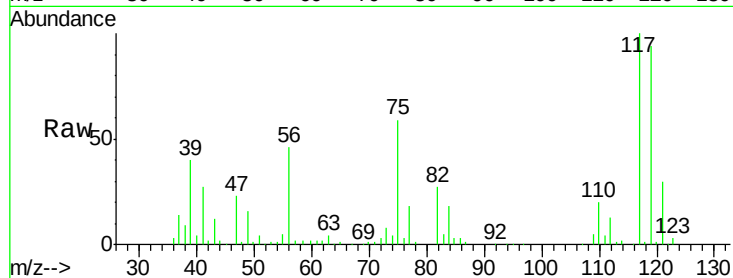
Tot Ion:117 Resp: 197751

Ion Ratio Lower Upper

117 100

119 93.5 77.3 115.9

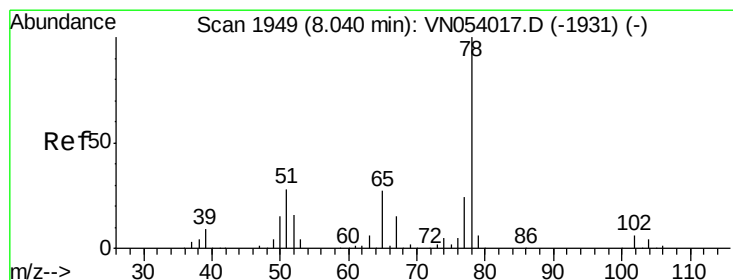
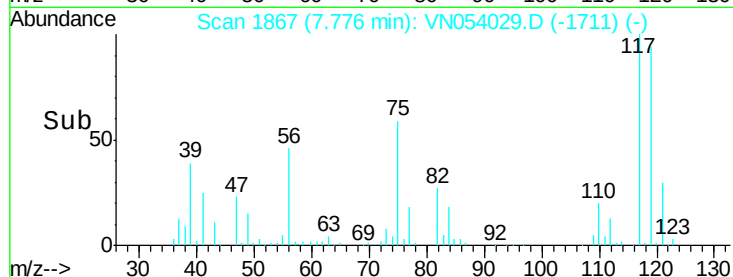
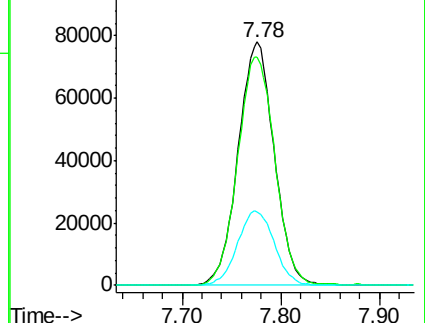
121 30.1 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.094 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

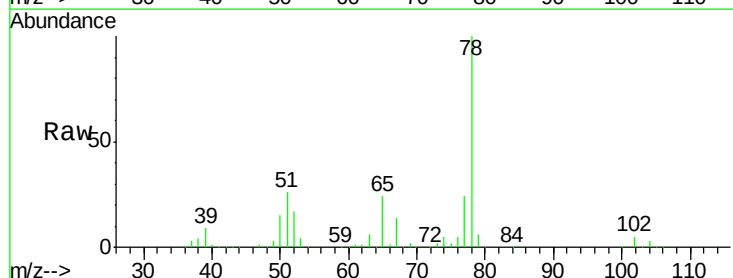
Tgt Ion: 78 Resp: 627195

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

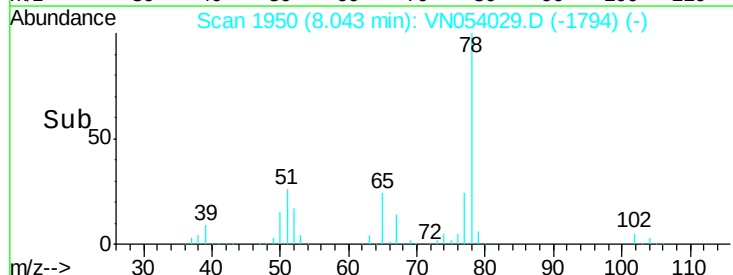
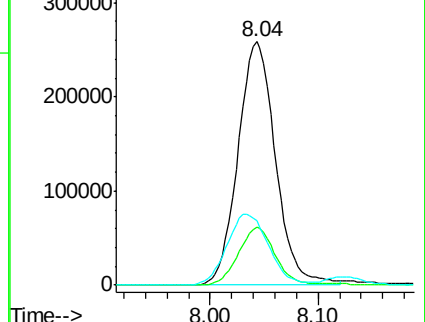
51 26.0 20.5 30.7

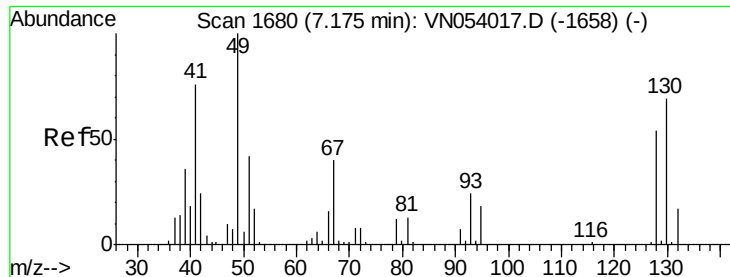


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

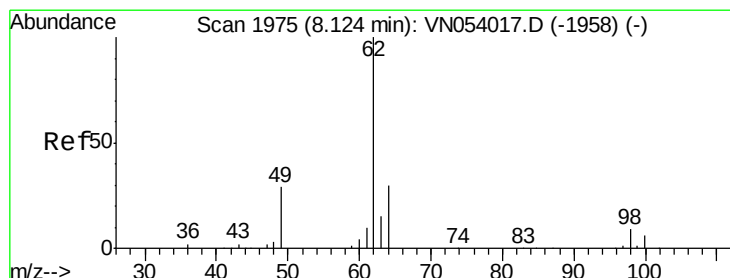
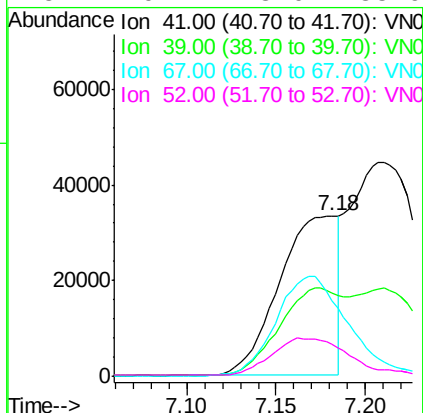
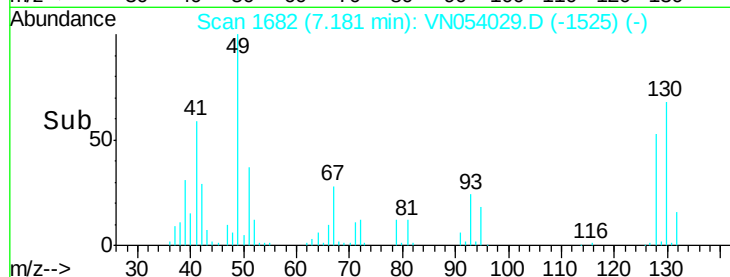
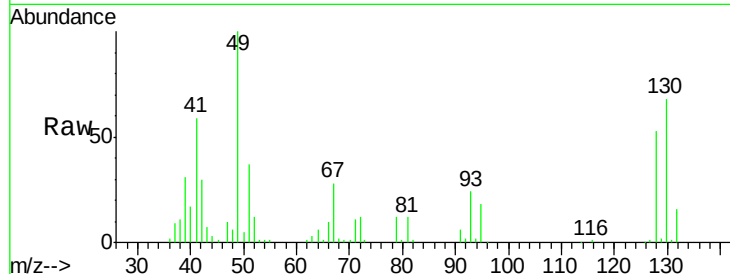




#35
Methacrylonitrile
Concen: 21.530 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

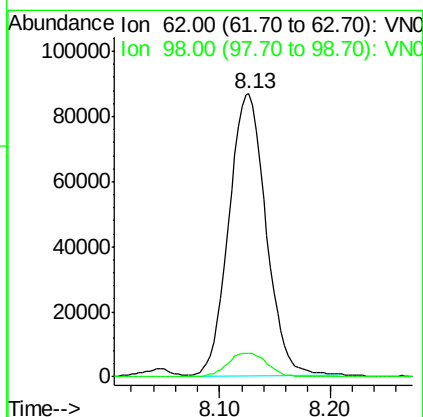
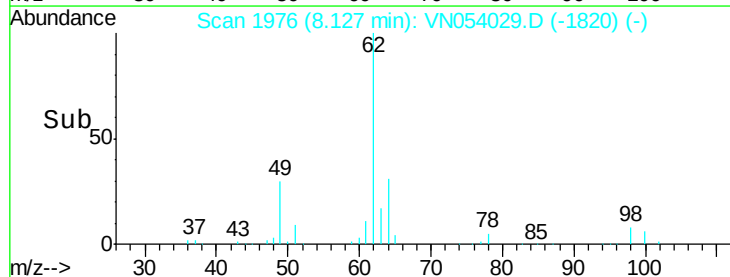
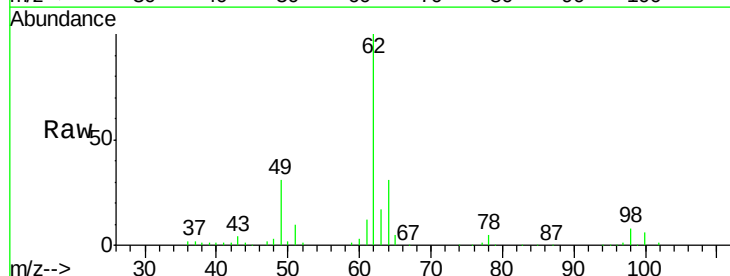
Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

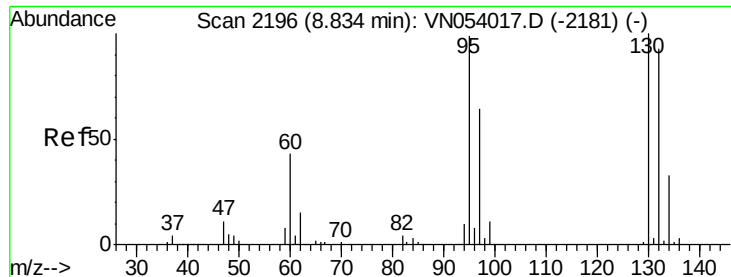
Tot Ion: 41 Resp: 76046
Ion Ratio Lower Upper
41 100
39 51.7 26.6 79.7
67 47.5 32.3 96.9
52 19.7 13.0 38.9



#36
1,2-Dichloroethane
Concen: 21.120 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 62 Resp: 201654
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

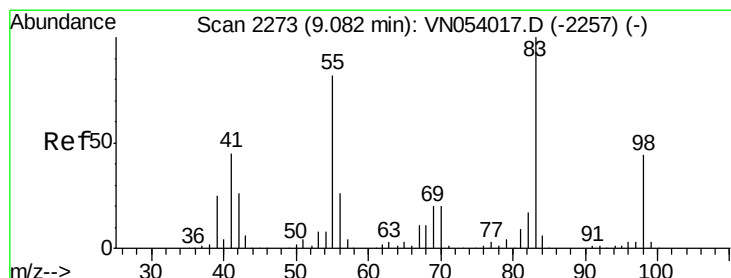
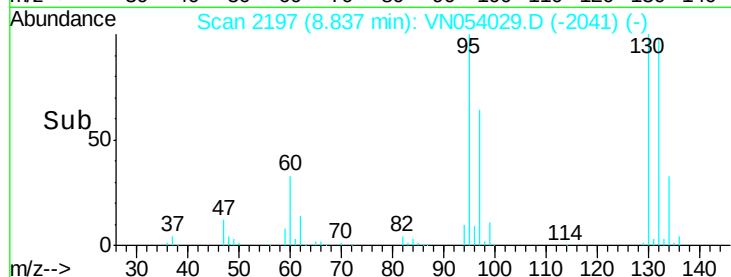
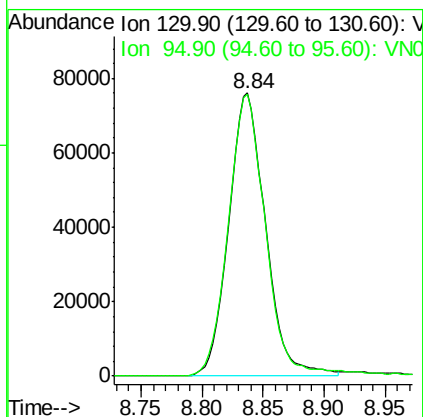
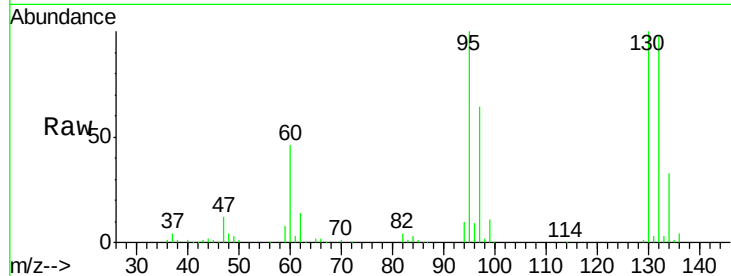




#37
 Trichloroethene
 Concen: 20.627 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

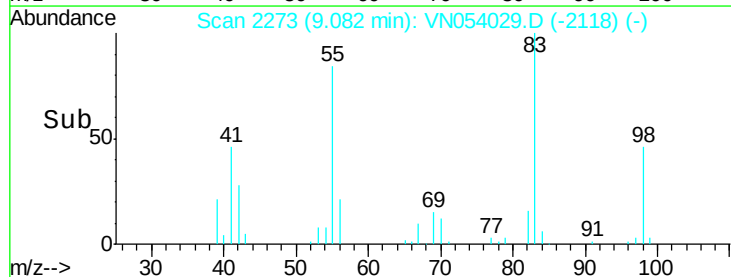
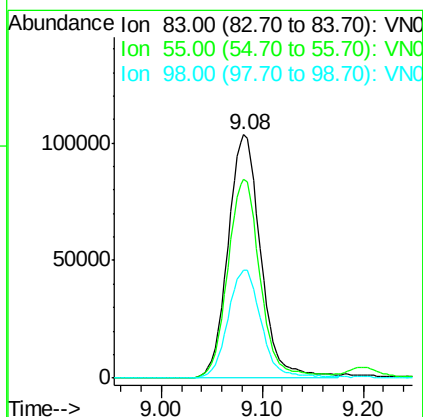
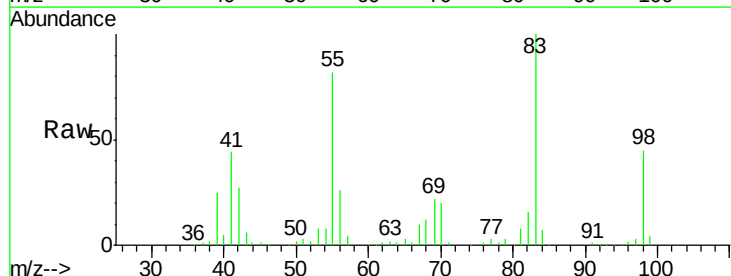
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

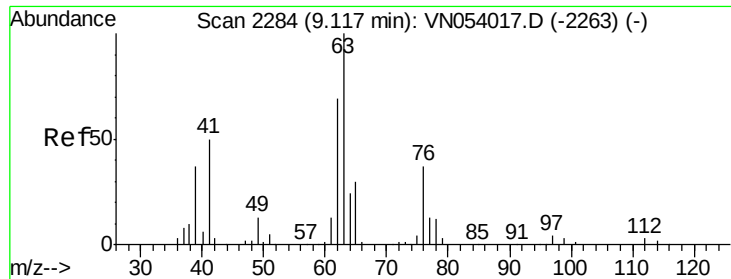
Tot Ion:130 Resp: 160102
 Ion Ratio Lower Upper
 130 100
 95 99.6 81.0 121.4



#38
 Methylcyclohexane
 Concen: 19.832 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 83 Resp: 234187
 Ion Ratio Lower Upper
 83 100
 55 81.0 39.8 119.4
 98 44.5 22.9 68.5

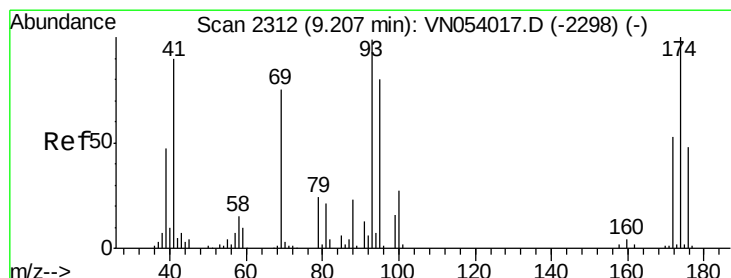
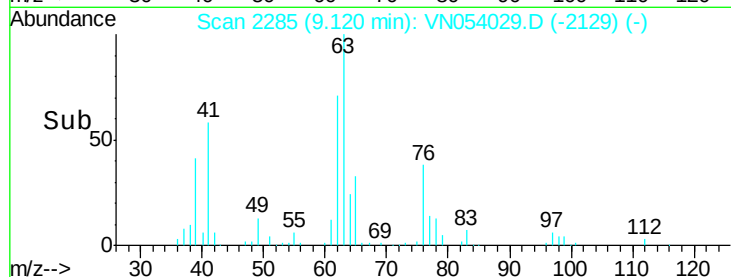
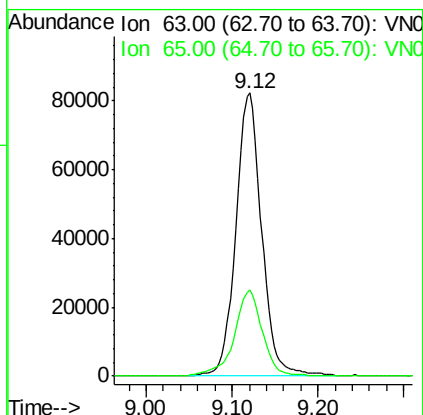
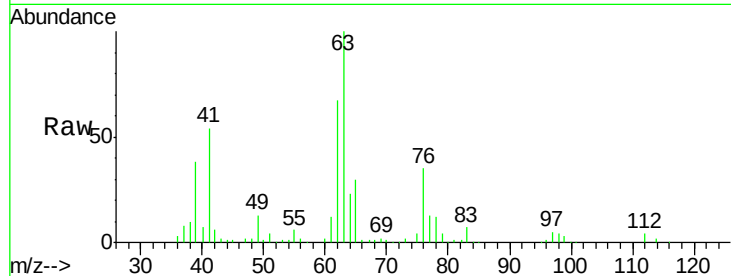




#39
 1,2-Dichloropropane
 Concen: 21.070 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

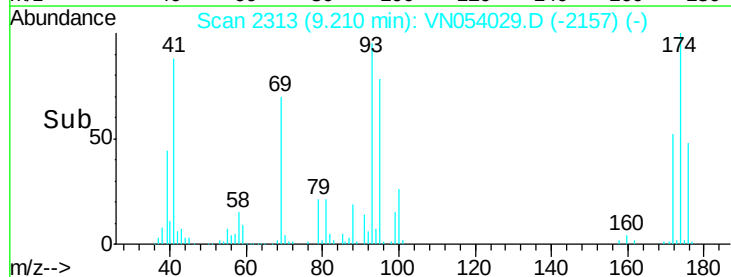
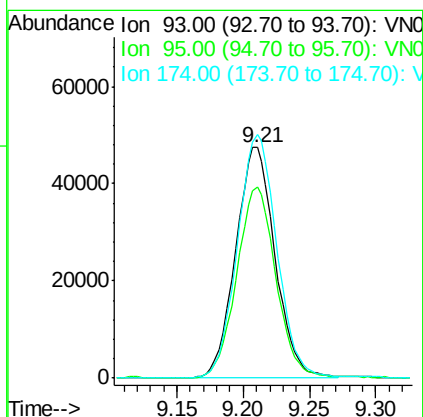
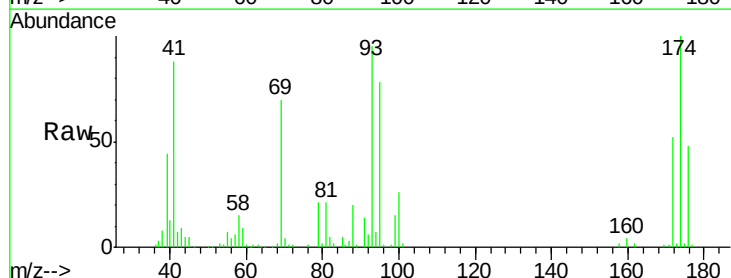
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

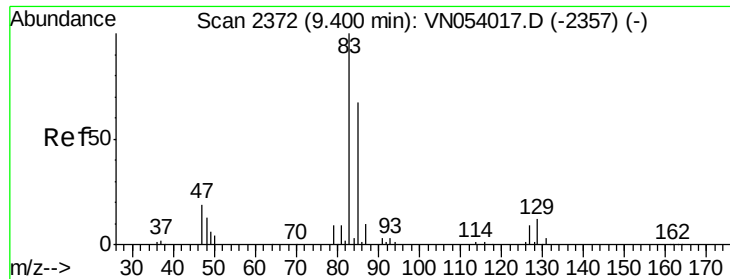
Tot Ion: 63 Resp: 171624
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 35.4



#40
 Dibromomethane
 Concen: 21.096 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 93 Resp: 98511
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 168.4
 174 105.5 0.0 210.0

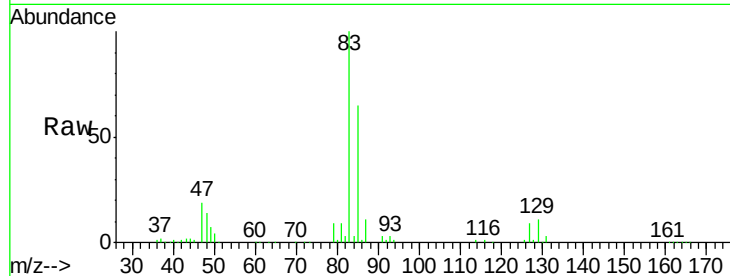




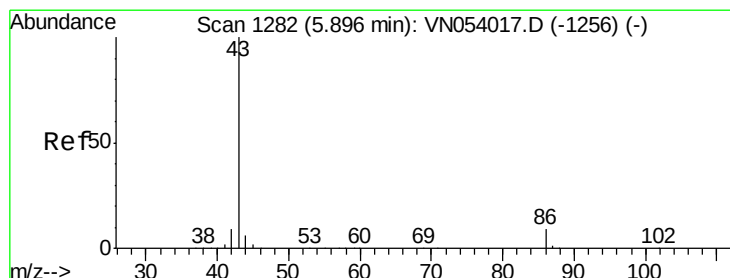
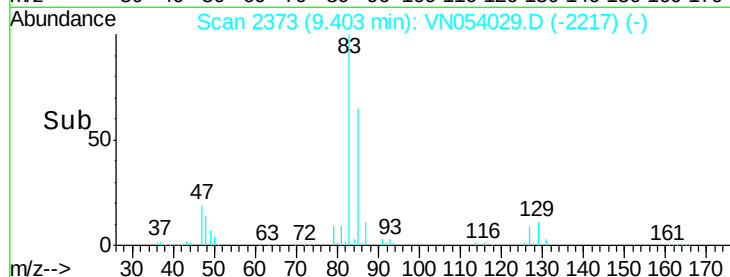
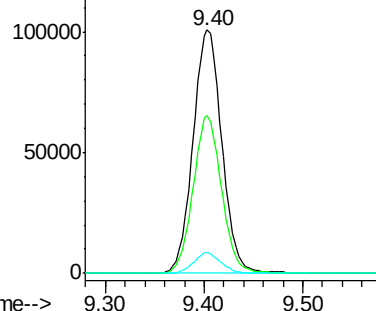
#41
Bromodichloromethane
Concen: 20.834 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

Tot Ion: 83 Resp: 206428
Ion Ratio Lower Upper
83 100
85 64.9 52.4 78.6
127 8.7 6.6 9.8

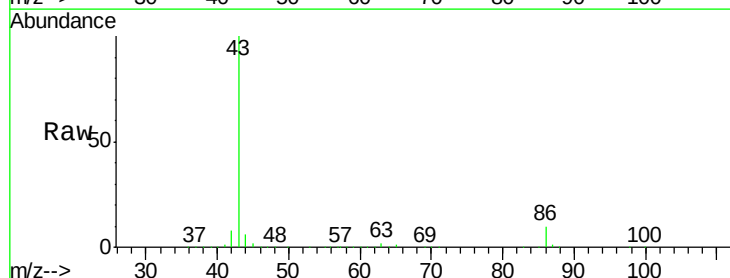


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

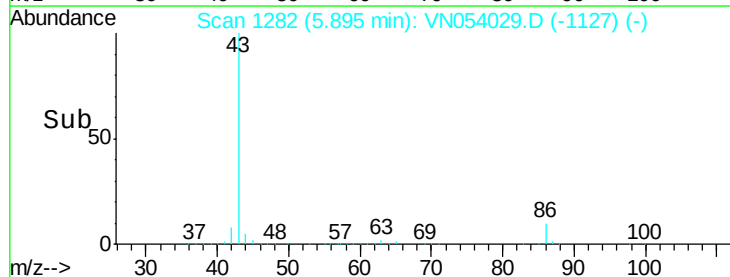
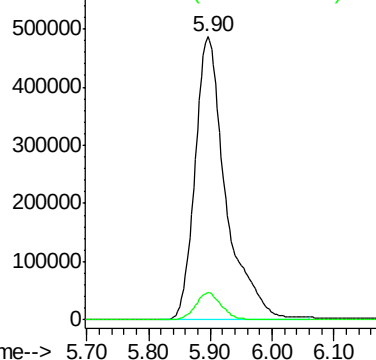


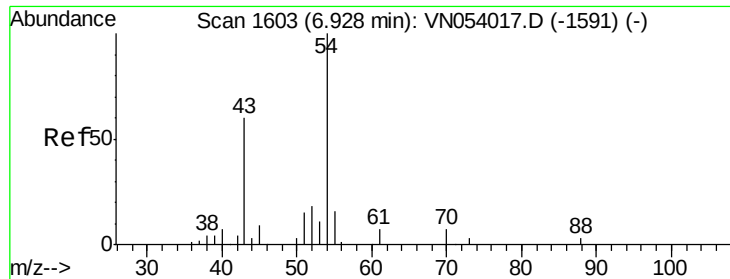
#42
Vinyl Acetate
Concen: 103.254 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 43 Resp: 1685073
Ion Ratio Lower Upper
43 100
86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.012 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

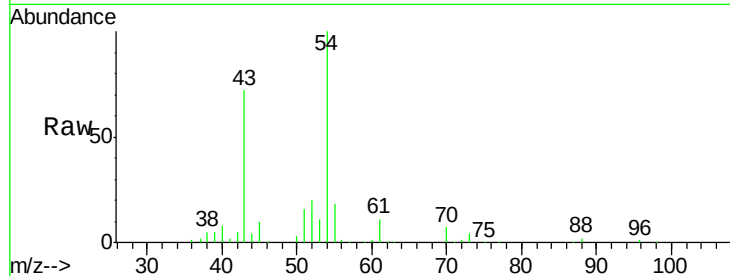
VN0301WBSD01

Tot Ion: 43 Resp: 139030

Ion Ratio Lower Upper

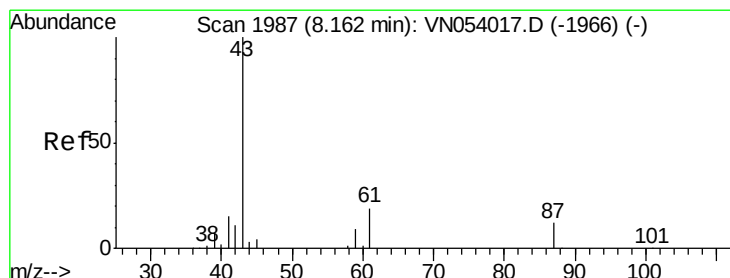
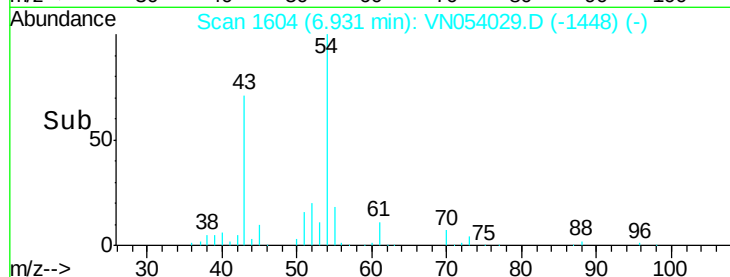
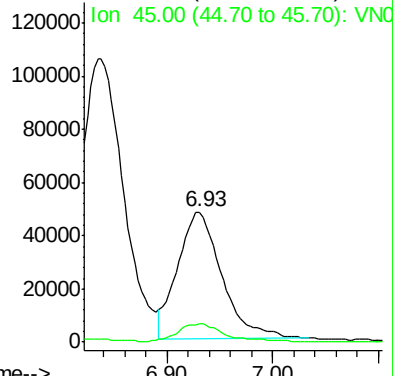
43 100

45 13.2 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: 20.340 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN054029.D

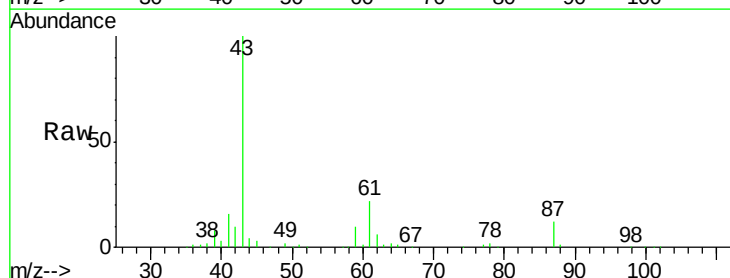
Acq: 1 Mar 2019 15:04

Tgt Ion: 43 Resp: 236153

Ion Ratio Lower Upper

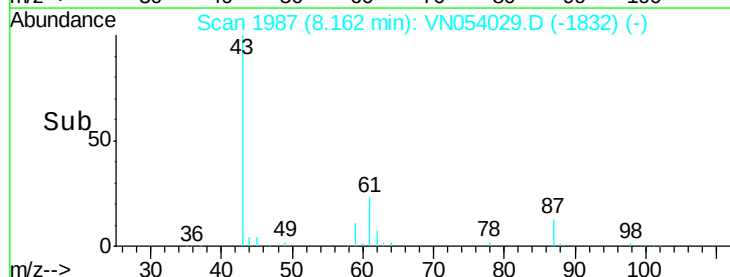
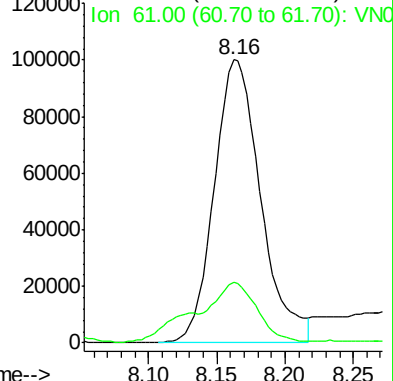
43 100

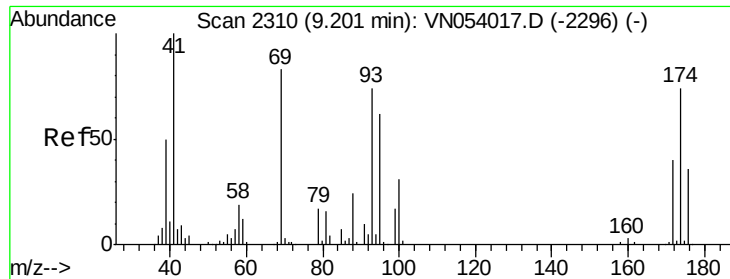
61 19.1 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 430.211 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0301WBSD01

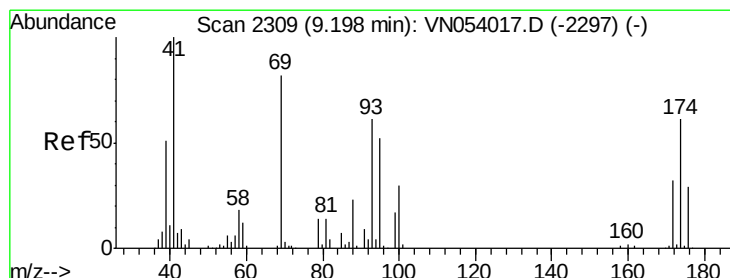
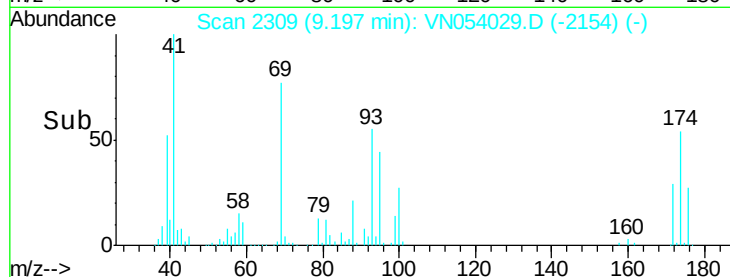
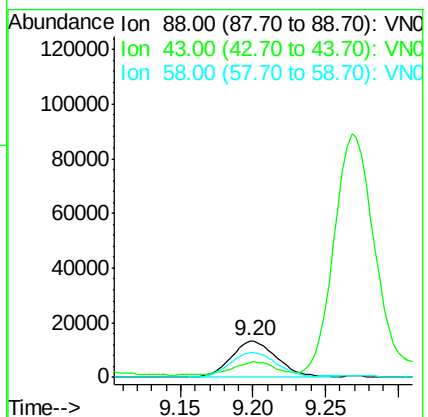
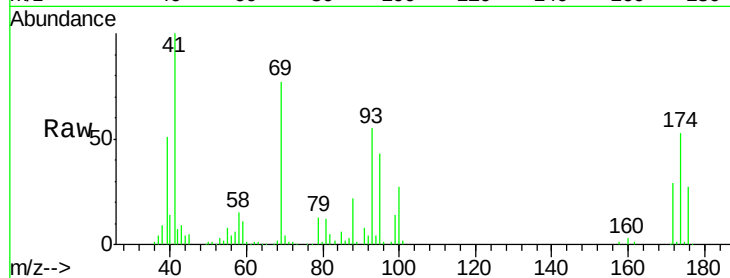
Tot Ion: 88 Resp: 29312

Ion Ratio Lower Upper

88 100

43 33.0 29.5 44.3

58 69.2 61.5 92.3



#46

Methyl methacrylate

Concen: 20.023 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

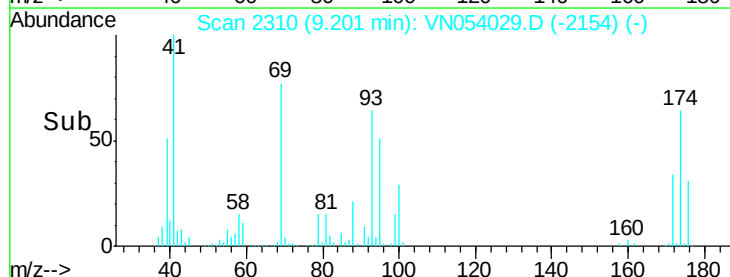
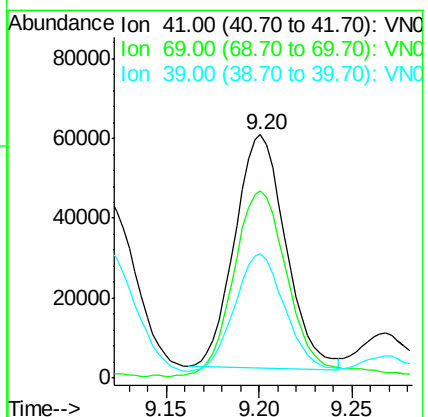
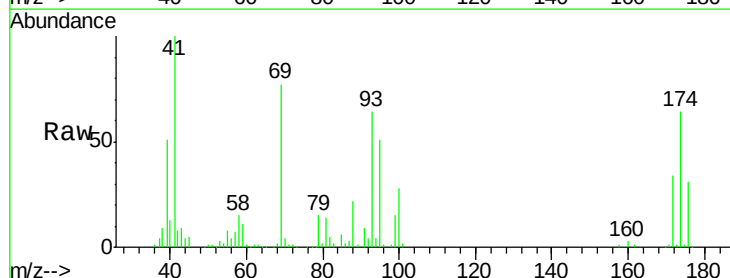
Tgt Ion: 41 Resp: 111665

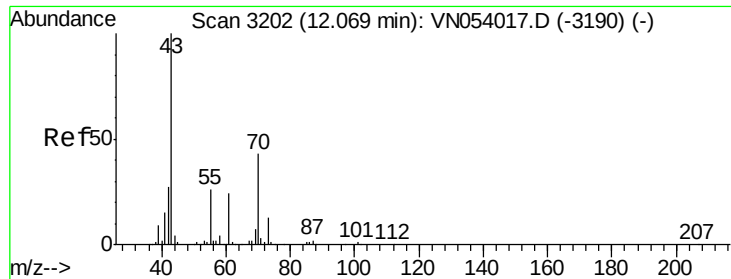
Ion Ratio Lower Upper

41 100

69 79.1 42.5 127.6

39 51.0 26.3 78.9

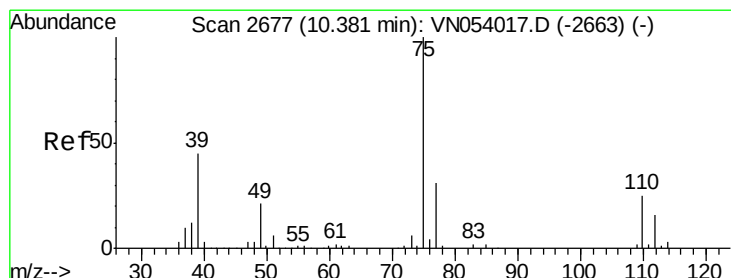
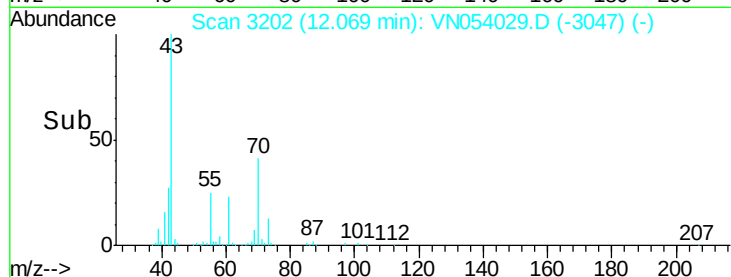
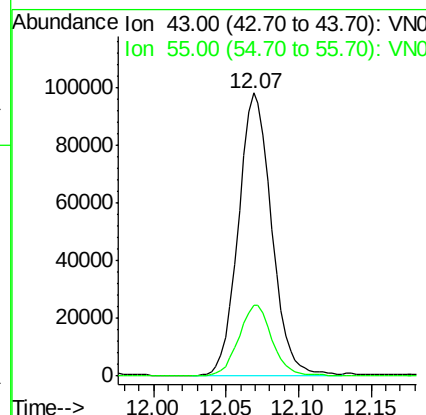
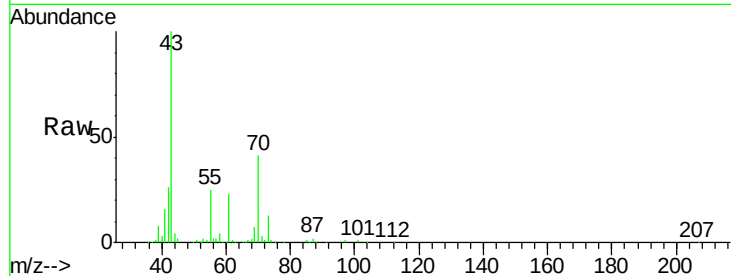




#47
n-amyl Acetate
Concen: 18.180 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

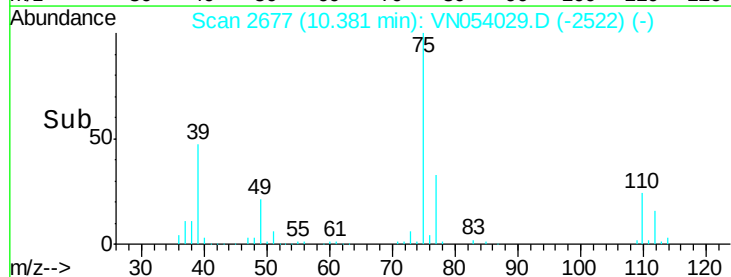
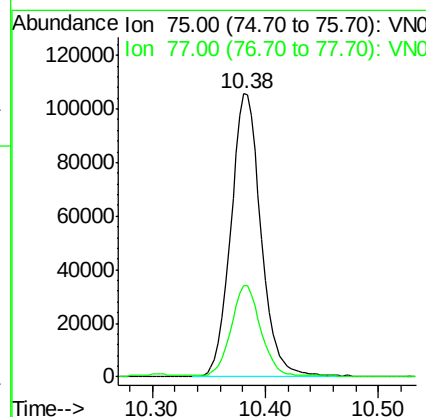
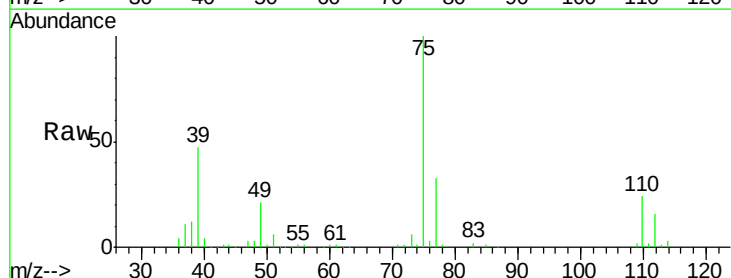
Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

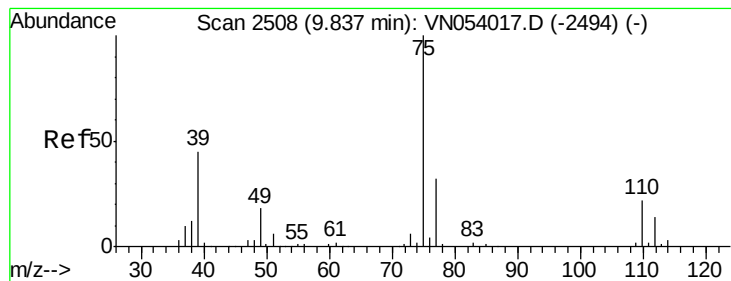
Tot Ion: 43 Resp: 155052
Ion Ratio Lower Upper
43 100
55 25.6 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.730 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 75 Resp: 196007
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4



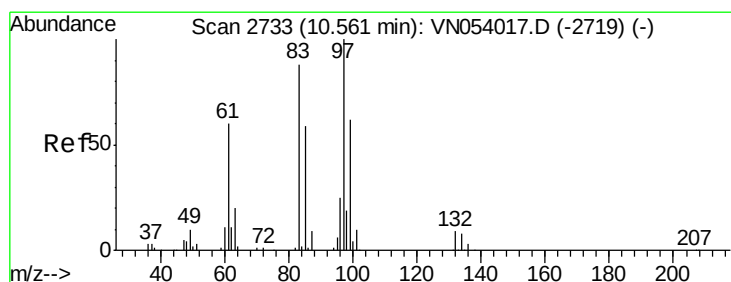
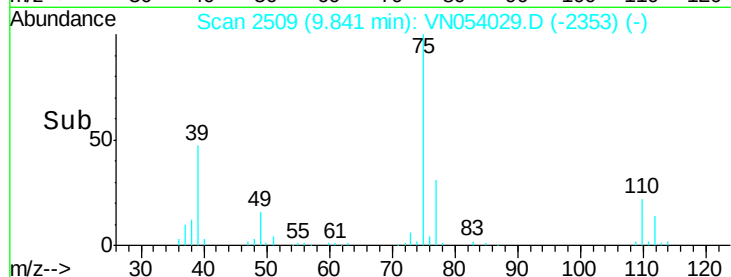
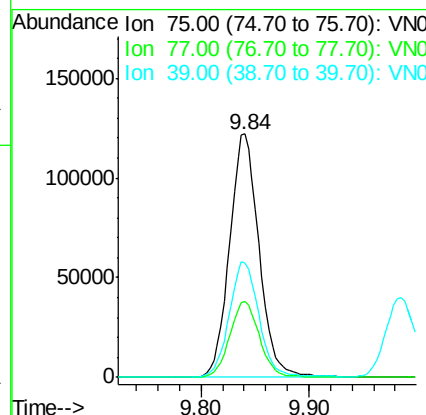
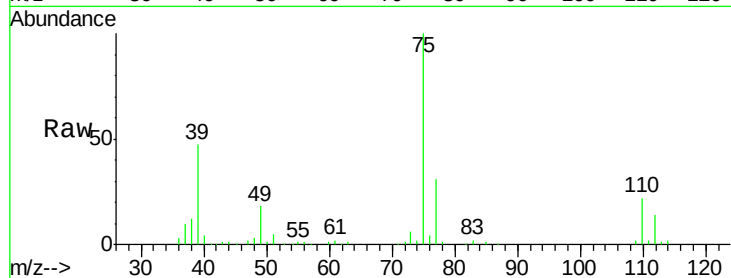


#49

cis-1,3-Dichloropropene
Concen: 20.005 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

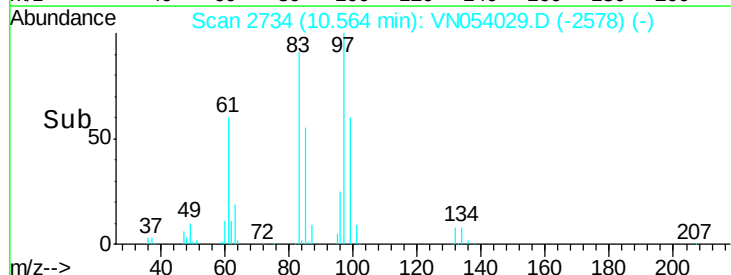
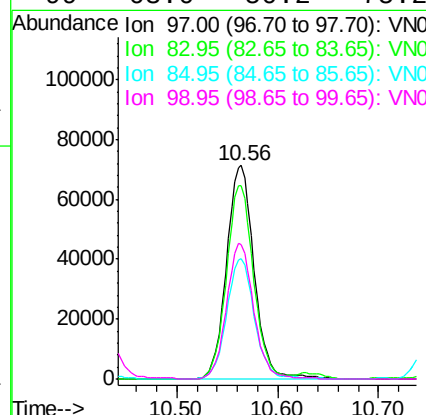
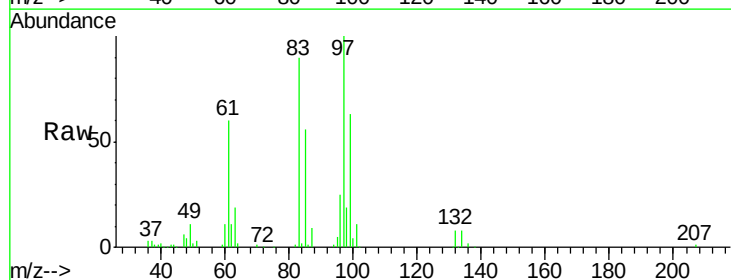
Tot Ion: 75 Resp: 233370
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 47.0 37.3 55.9

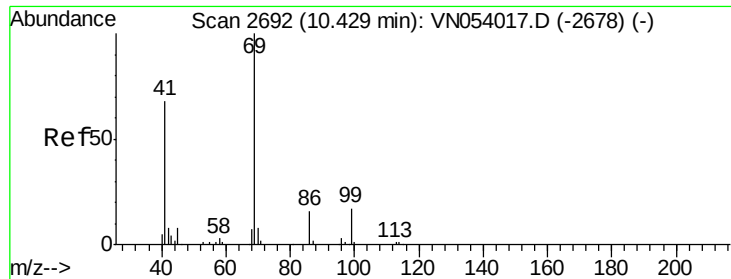


#50

1,1,2-Trichloroethane
Concen: 20.842 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 97 Resp: 136524
Ion Ratio Lower Upper
97 100
83 90.4 70.4 105.6
85 56.3 45.0 67.6
99 63.0 50.2 75.2

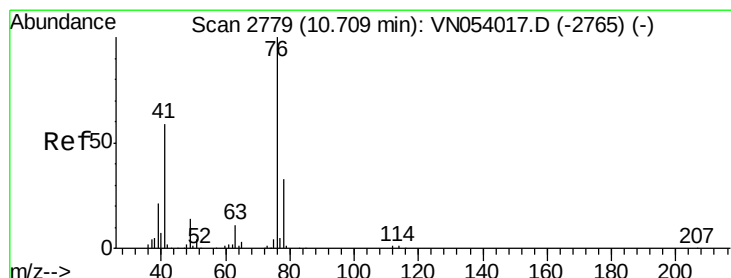
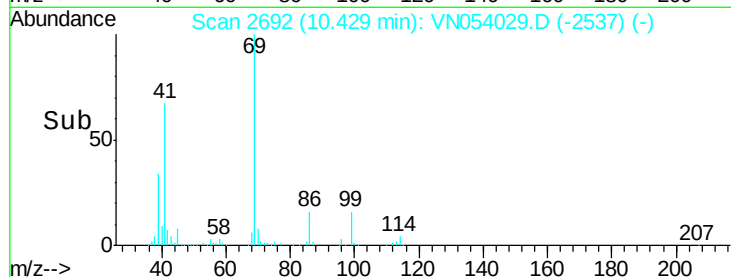
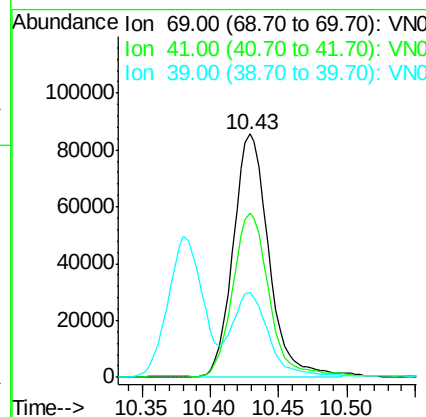
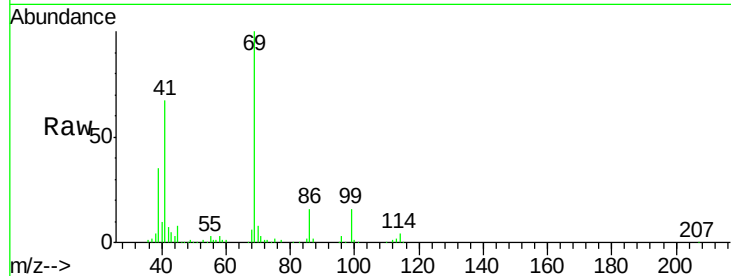




#51
Ethyl methacrylate
Concen: 19.725 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

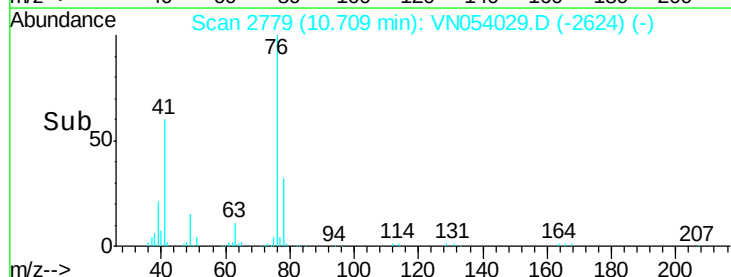
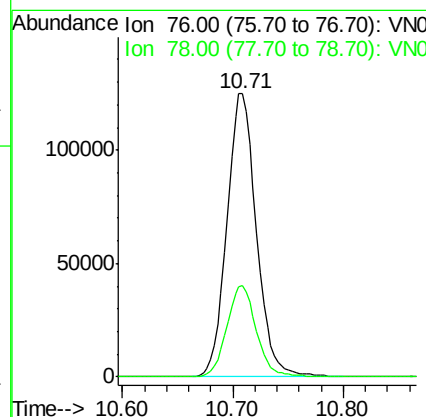
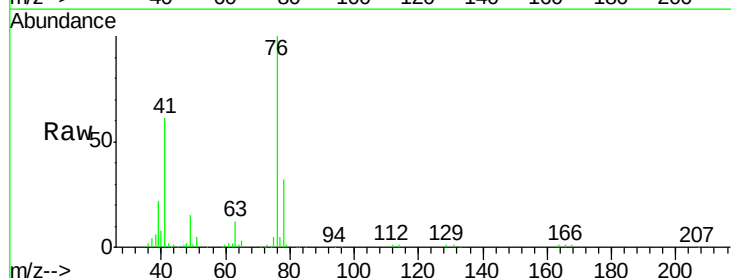
Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

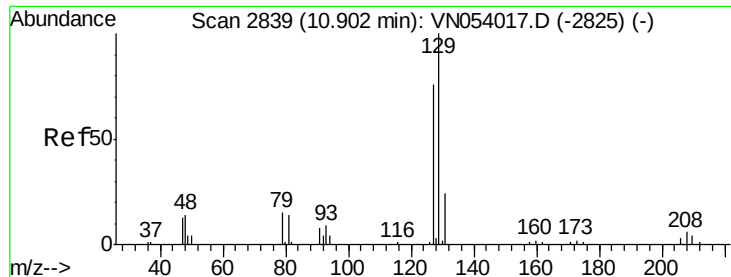
Tot Ion: 69 Resp: 155542
Ion Ratio Lower Upper
69 100
41 66.9 34.4 103.3
39 33.8 16.4 49.2



#52
1,3-Dichloropropane
Concen: 20.629 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 76 Resp: 231919
Ion Ratio Lower Upper
76 100
78 32.2 0.0 64.8

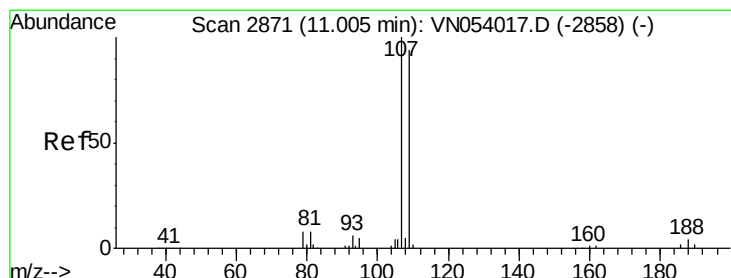
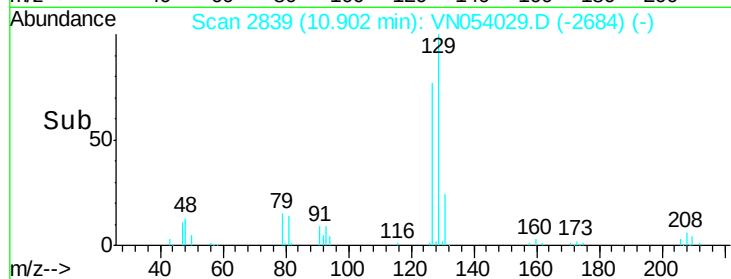
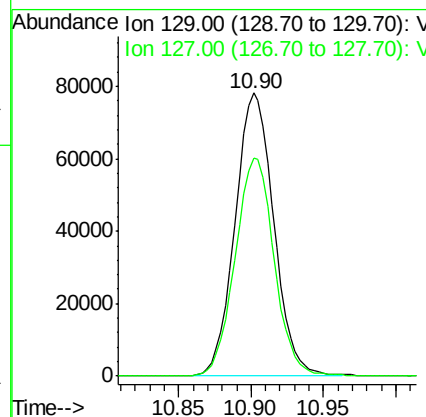
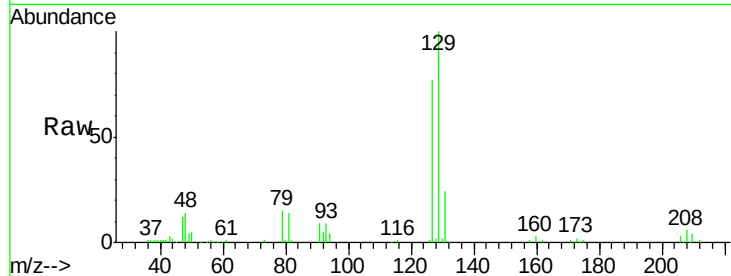




#53
Dibromochloromethane
Concen: 20.137 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

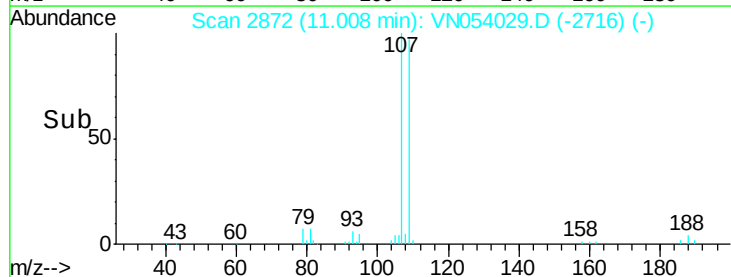
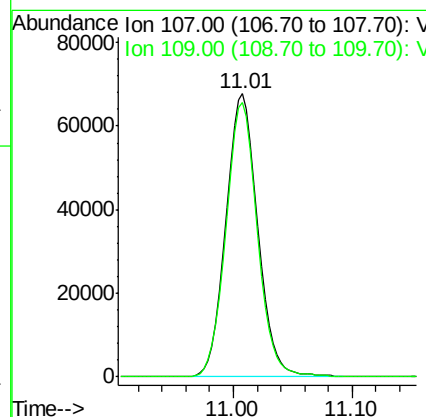
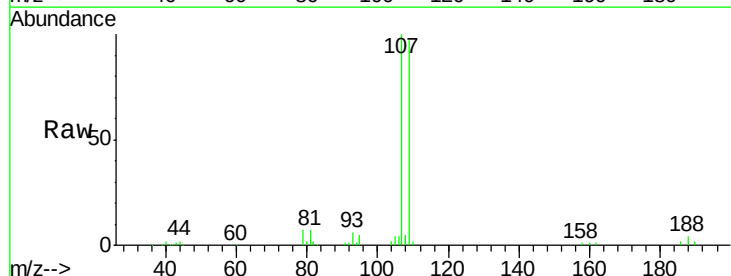
Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

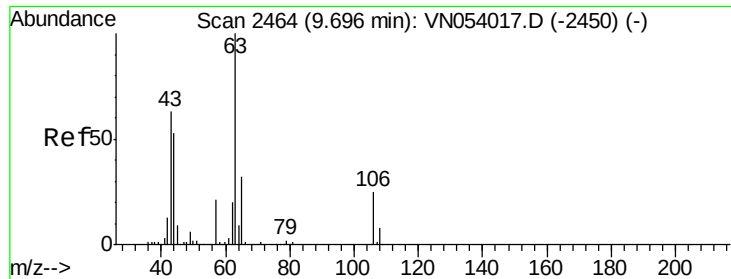
Tot Ion:129 Resp: 144937
Ion Ratio Lower Upper
129 100
127 77.7 37.6 112.8



#54
1,2-Dibromoethane
Concen: 20.130 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion:107 Resp: 125606
Ion Ratio Lower Upper
107 100
109 96.0 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 93.683 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

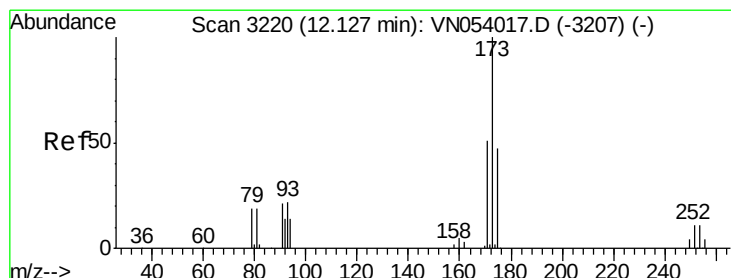
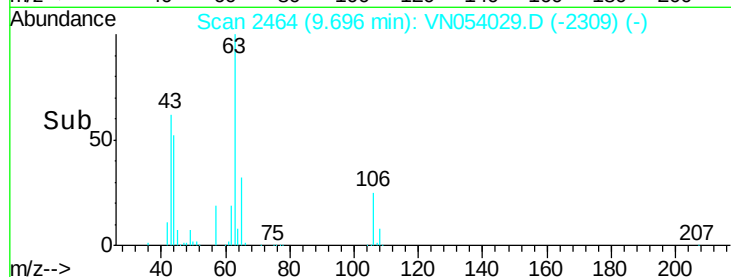
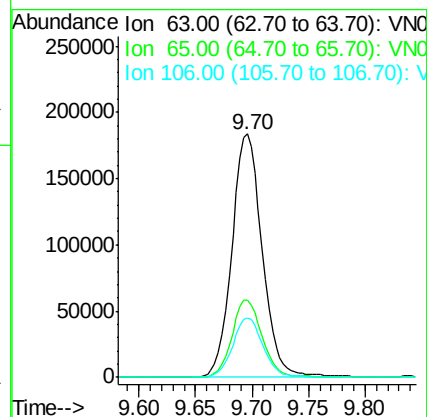
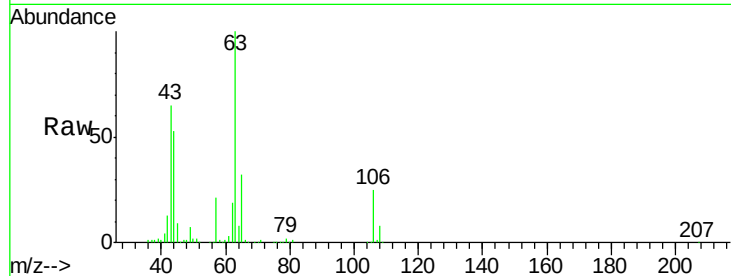
Tot Ion: 63 Resp: 342818

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.2

106 24.4 20.4 30.6



#56

Bromoform

Concen: 19.203 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

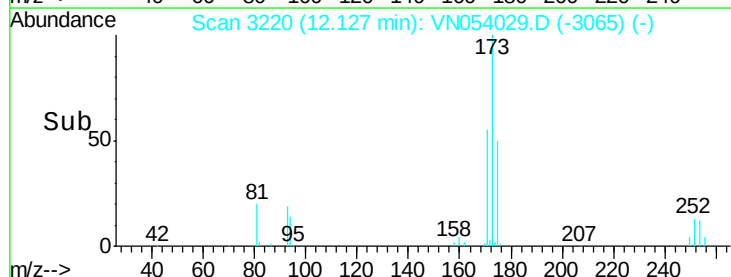
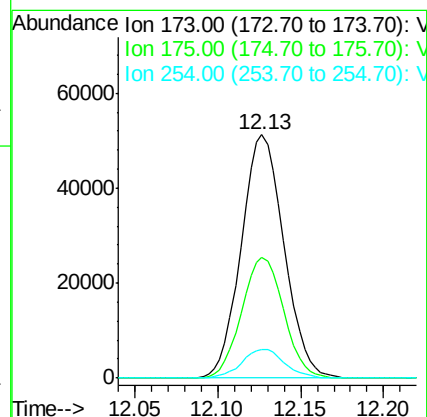
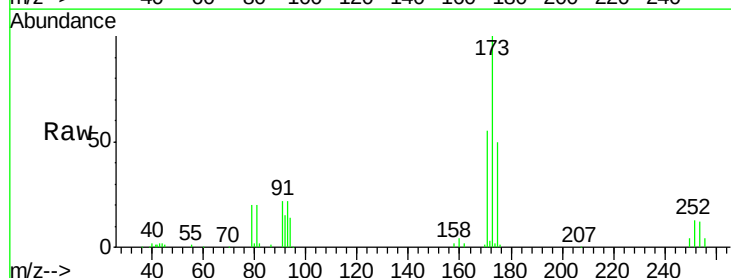
Tgt Ion: 173 Resp: 91773

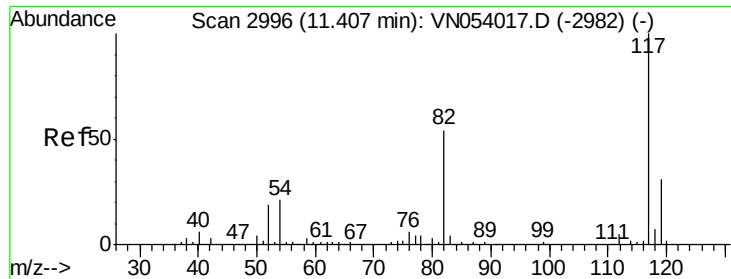
Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

254 11.8 8.4 12.6

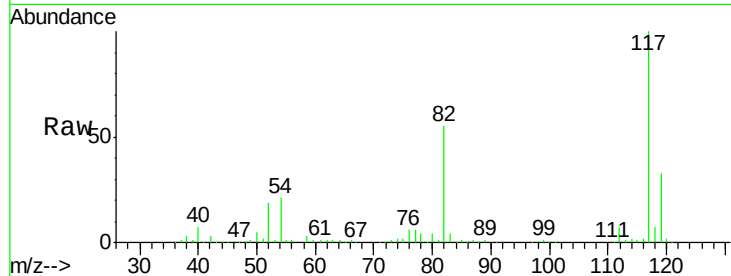




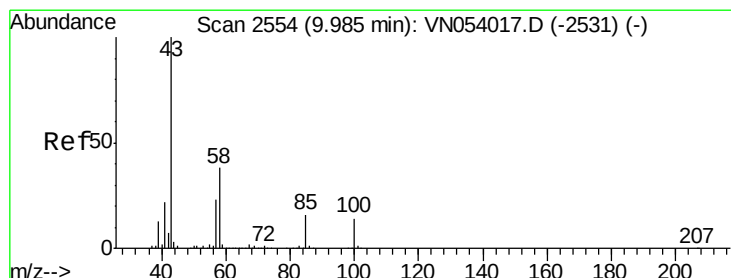
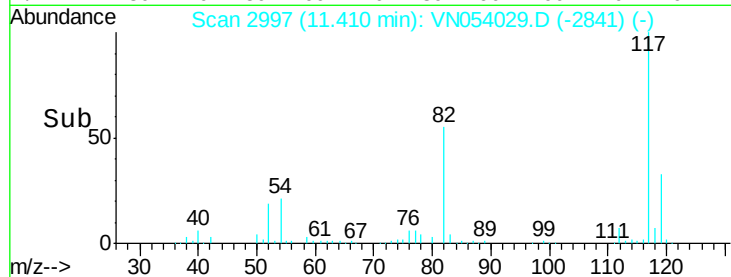
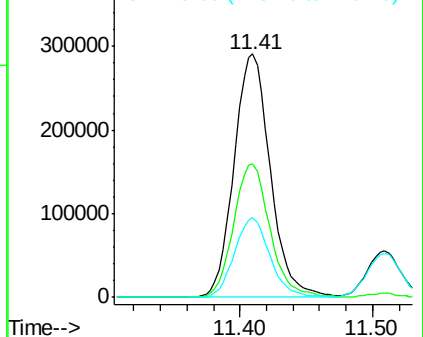
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBSD01

Tot Ion:117 Resp: 553437
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.0 25.4 38.2

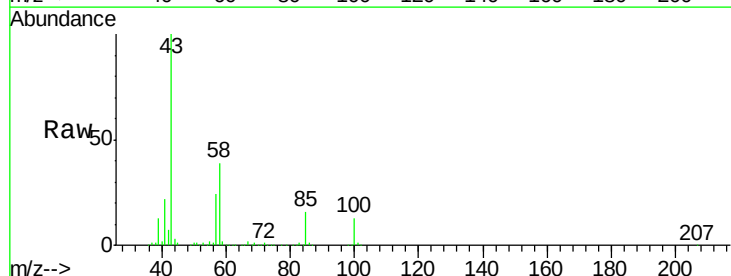


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

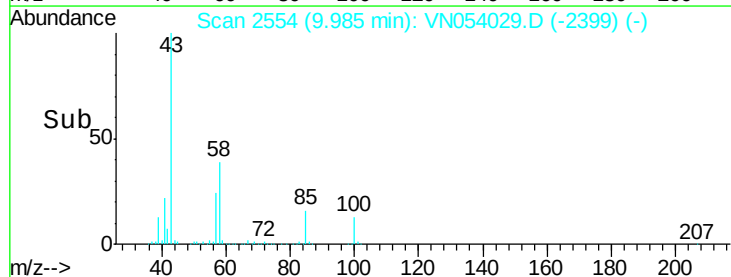
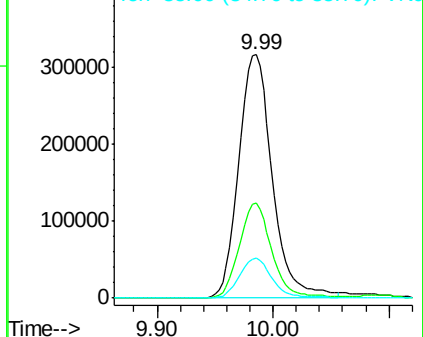


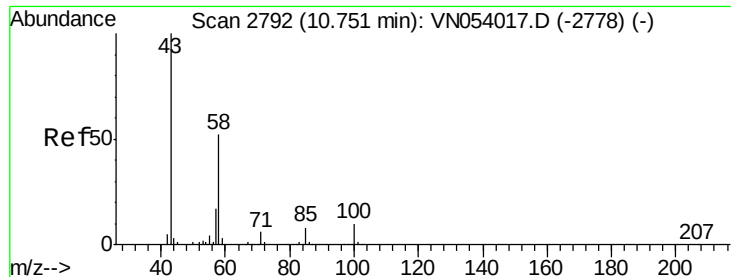
#58
4-Methyl-2-Pentanone
Concen: 102.253 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 43 Resp: 637672
Ion Ratio Lower Upper
43 100
58 38.1 31.6 47.4
85 16.0 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

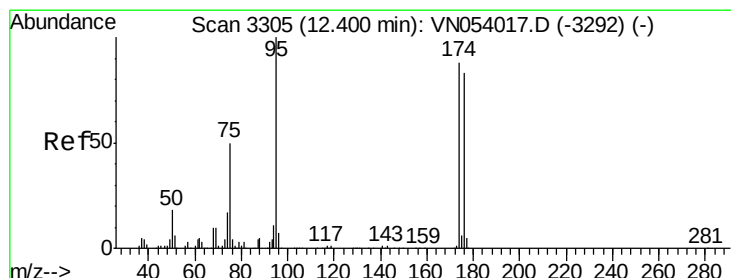
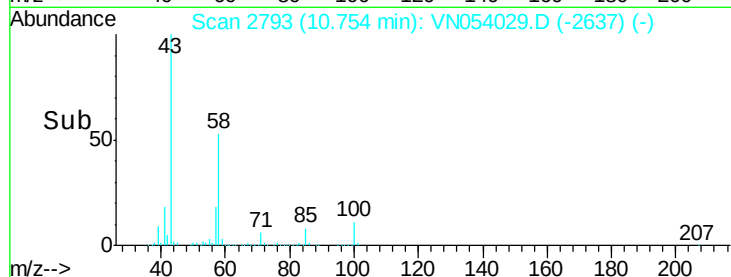
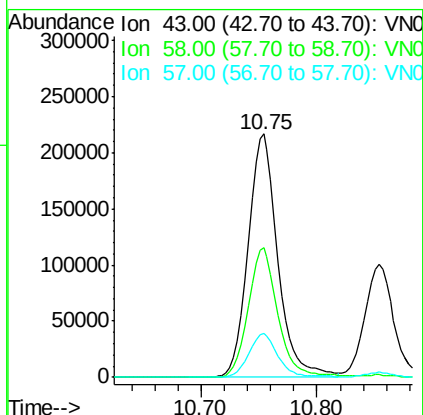
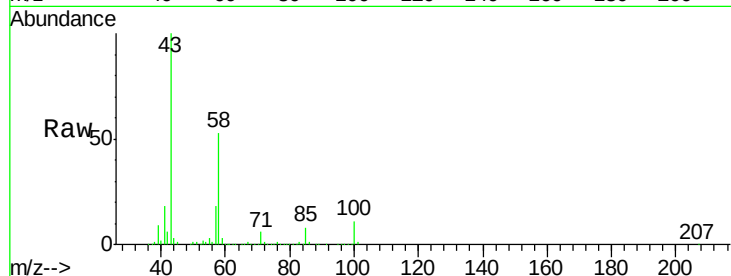




#59
2-Hexanone
Concen: 94.795 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

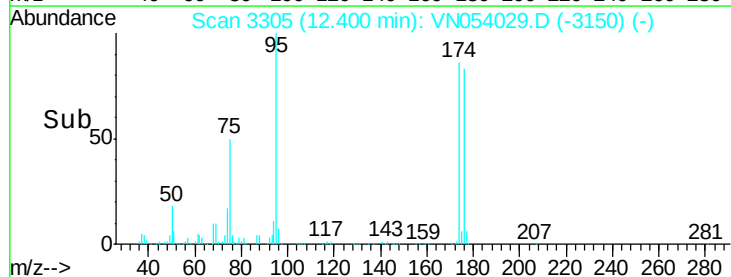
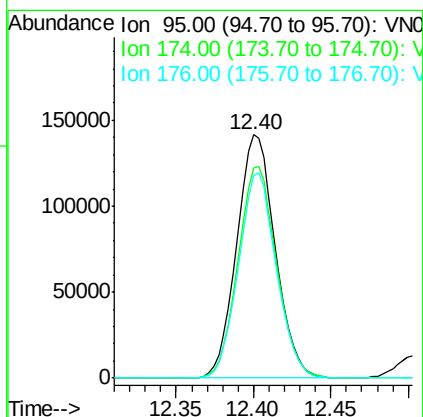
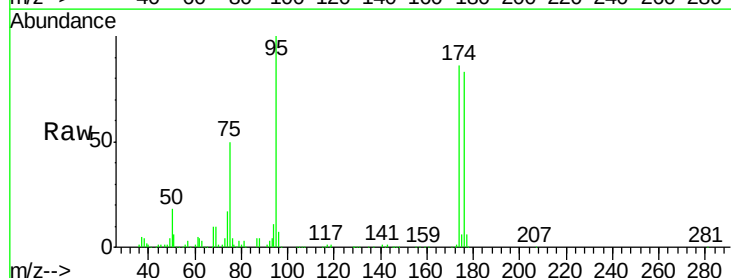
Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

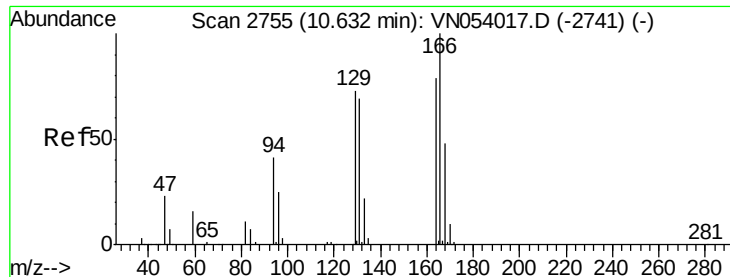
Tot Ion: 43 Resp: 386237
Ion Ratio Lower Upper
43 100
58 53.3 43.2 64.8
57 17.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 94.795 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion: 95 Resp: 244551
Ion Ratio Lower Upper
95 100
174 87.4 67.9 101.9
176 83.2 66.4 99.6





#61

Tetrachloroethene

Concen: 20.640 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

Tot Ion:164 Resp: 158800

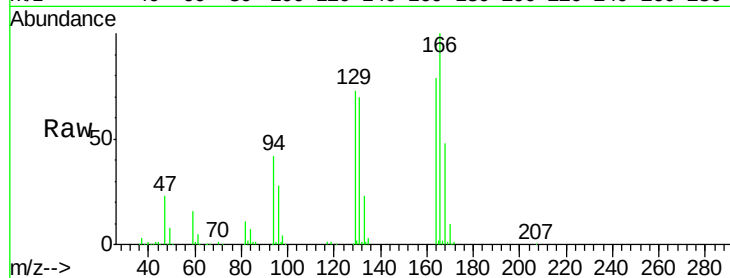
Ion Ratio Lower Upper

164 100

166 126.3 104.6 157.0

129 92.5 75.3 112.9

131 88.3 74.3 111.5

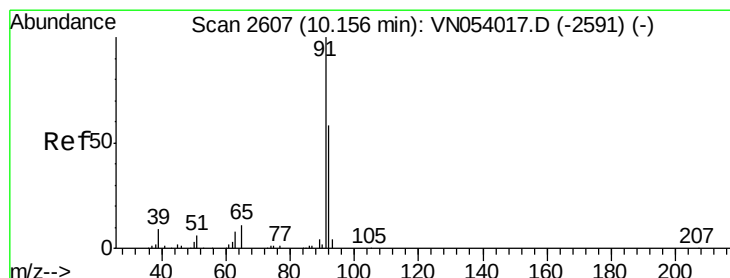
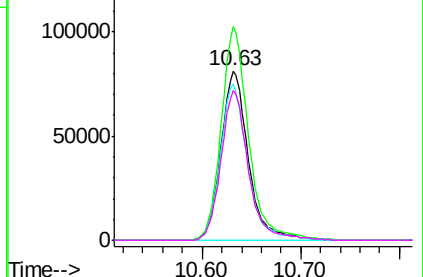
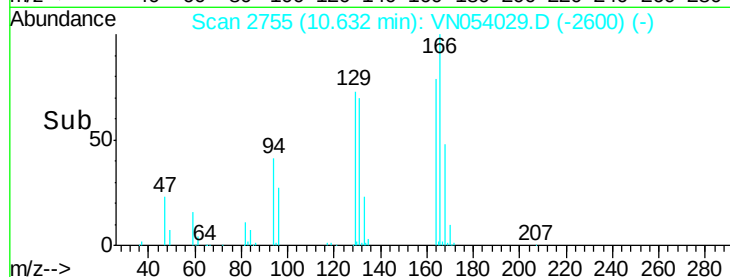


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.019 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054029.D

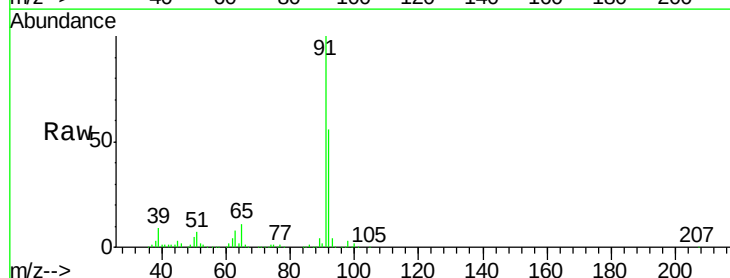
Acq: 1 Mar 2019 15:04

Tgt Ion: 91 Resp: 650124

Ion Ratio Lower Upper

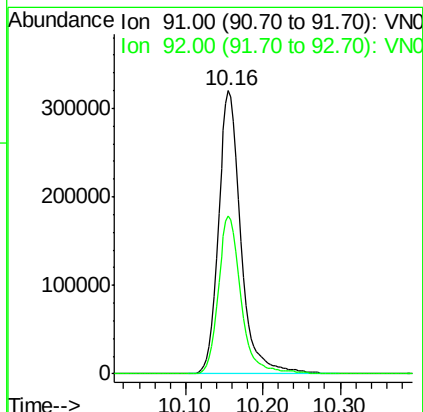
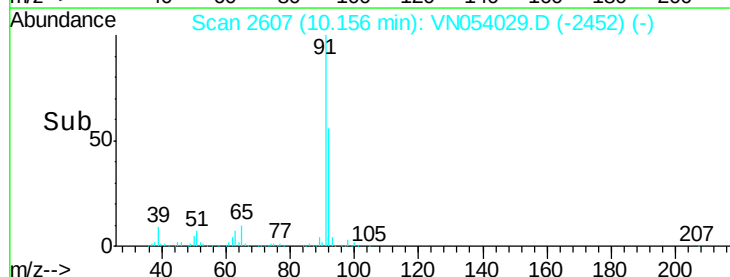
91 100

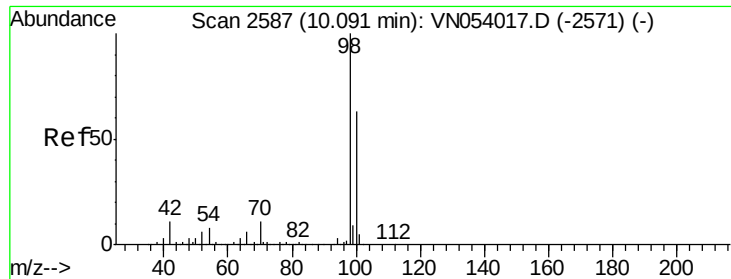
92 56.6 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 21.019 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

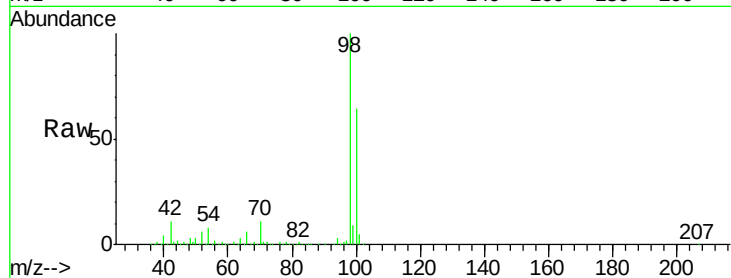
VN0301WBSD01

Tot Ion: 98 Resp: 815067

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054017.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-2571) (-)

10.09

400000

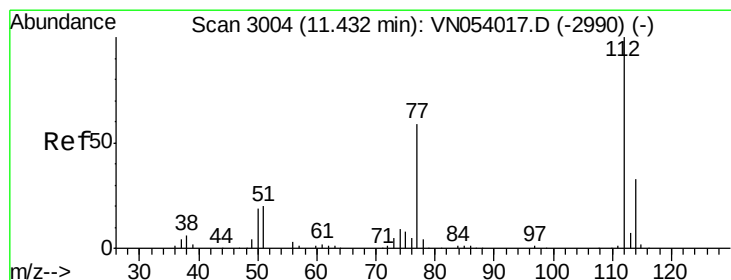
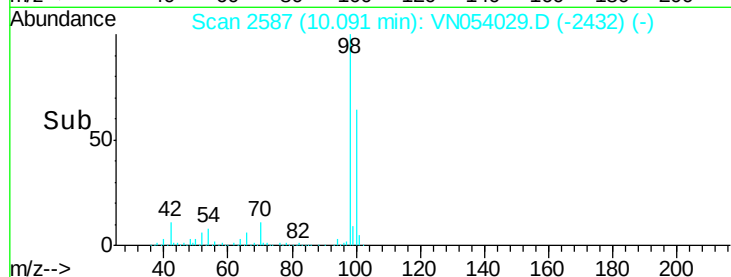
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.405 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054029.D

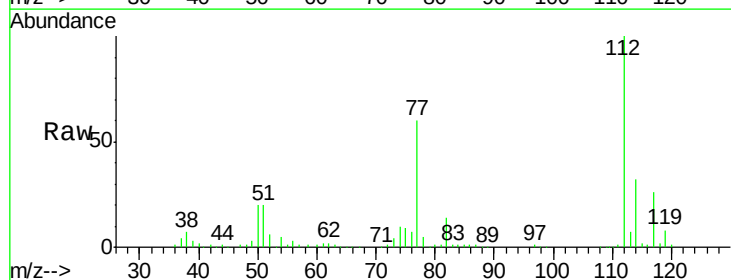
Acq: 1 Mar 2019 15:04

Tgt Ion: 112 Resp: 384320

Ion Ratio Lower Upper

112 100

114 31.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN054017.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN054017.D (-2990) (-)

11.43

200000

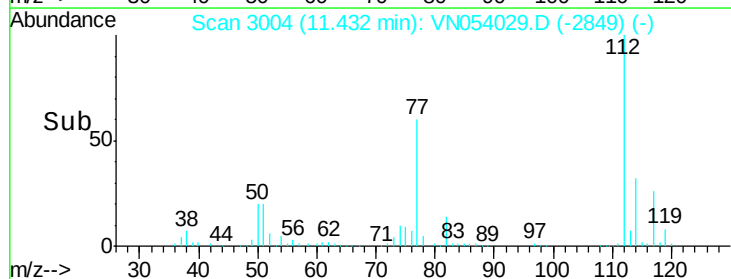
150000

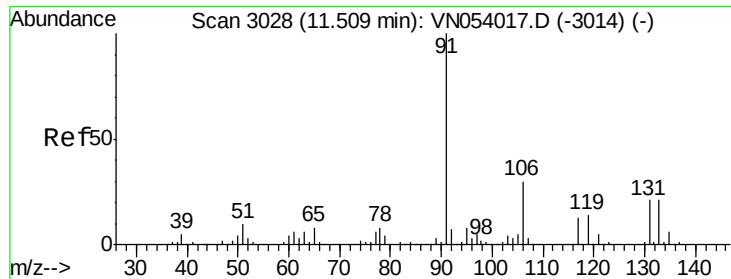
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.820 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

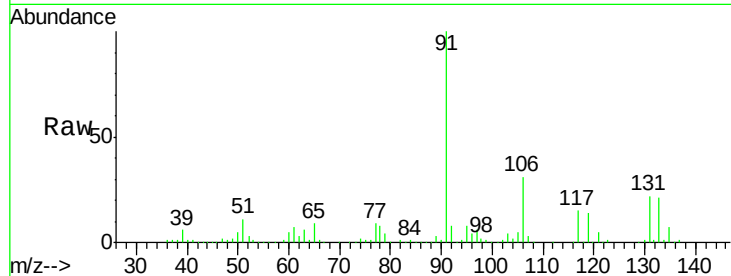
Tot Ion:131 Resp: 143983

Ion Ratio Lower Upper

131 100

133 94.8 0.0 193.4

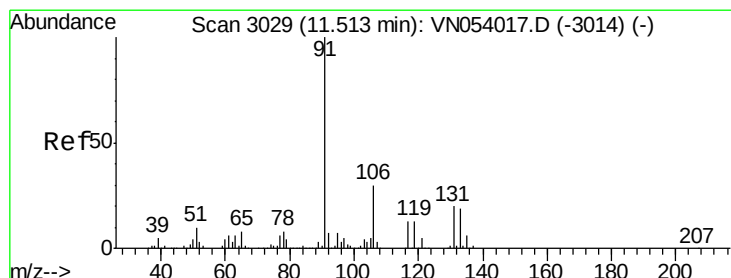
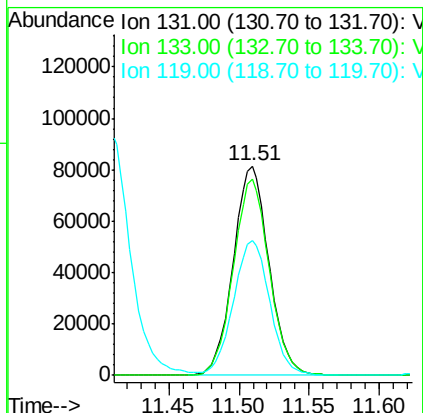
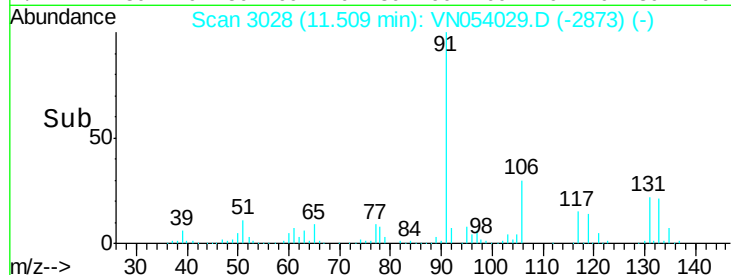
119 66.0 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.302 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054029.D

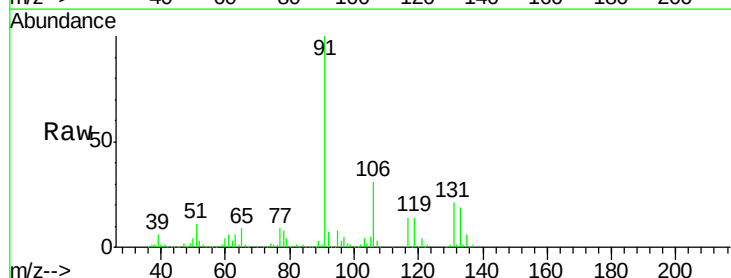
Acq: 1 Mar 2019 15:04

Tgt Ion: 91 Resp: 656374

Ion Ratio Lower Upper

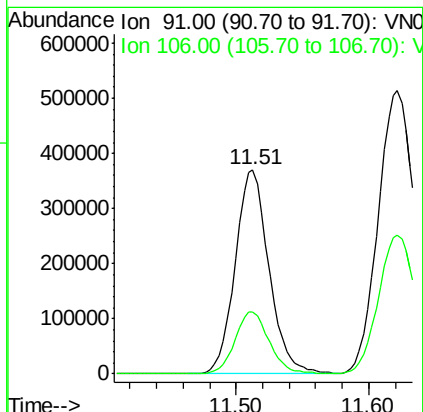
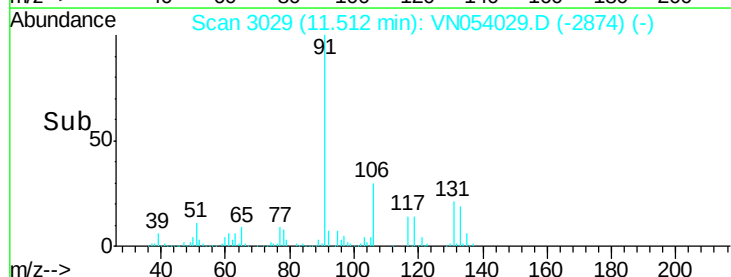
91 100

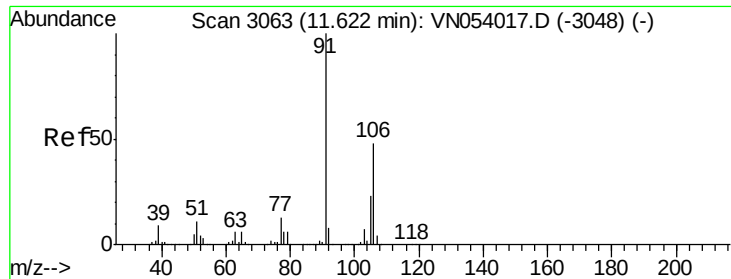
106 30.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

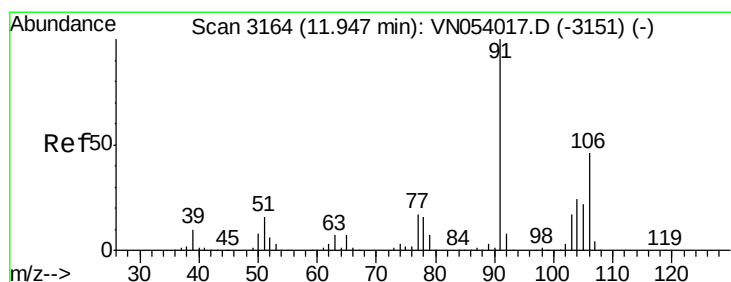
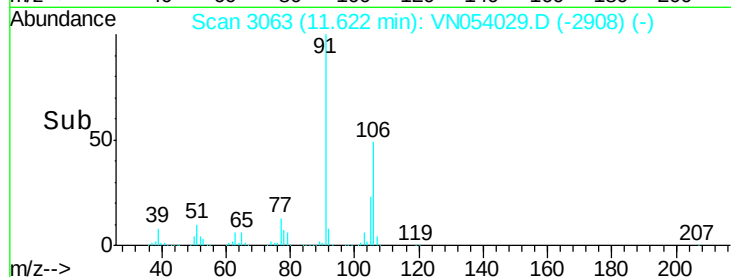
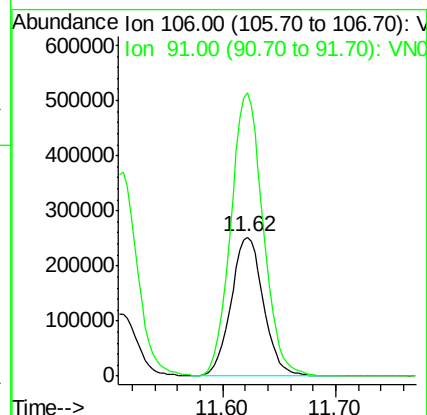
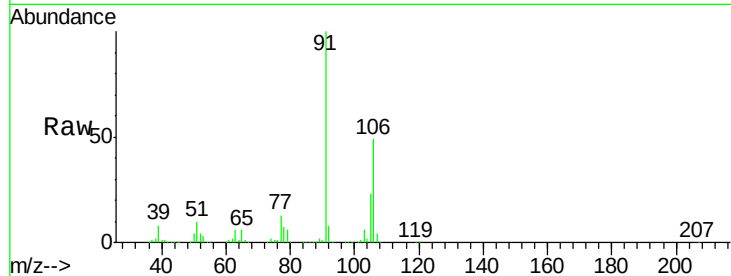




#67
m/p-Xylenes
Concen: 41.259 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

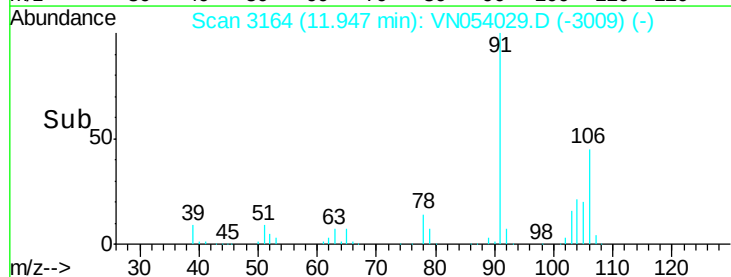
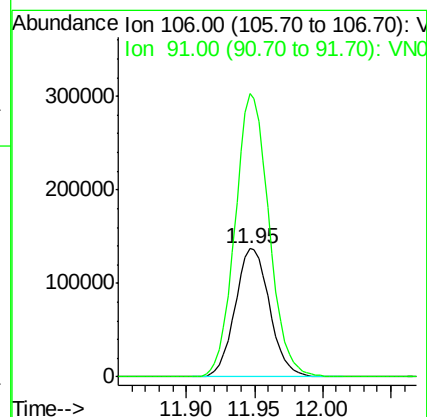
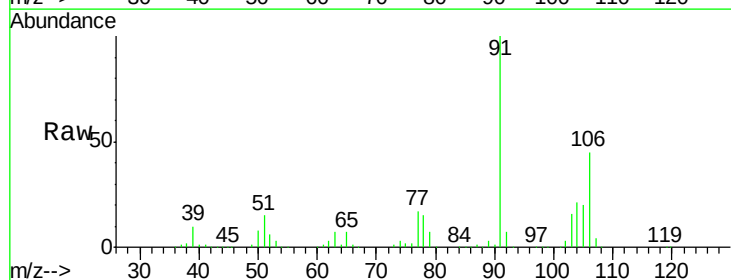
Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

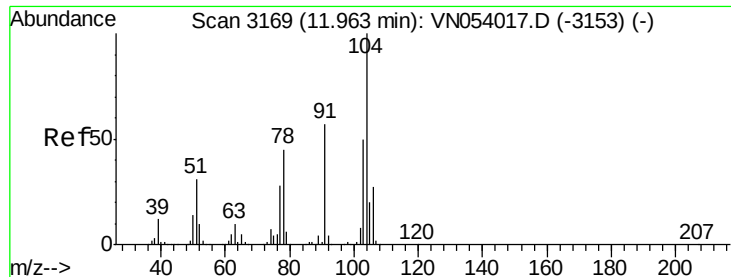
Tot Ion:106 Resp: 502219
Ion Ratio Lower Upper
106 100
91 203.2 163.9 245.9



#68
o-Xylene
Concen: 20.389 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion:106 Resp: 240581
Ion Ratio Lower Upper
106 100
91 217.8 107.8 323.4

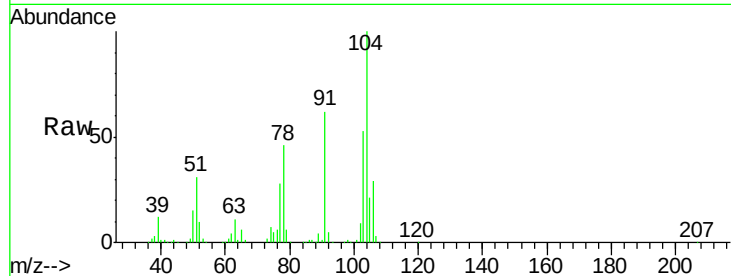




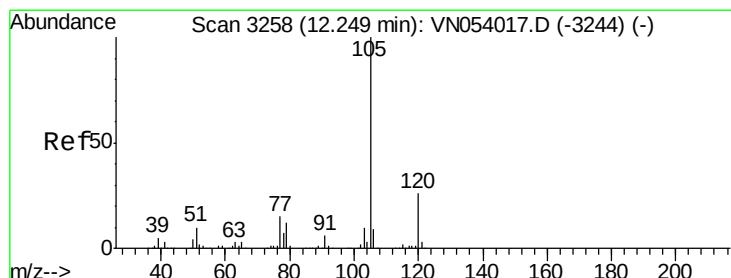
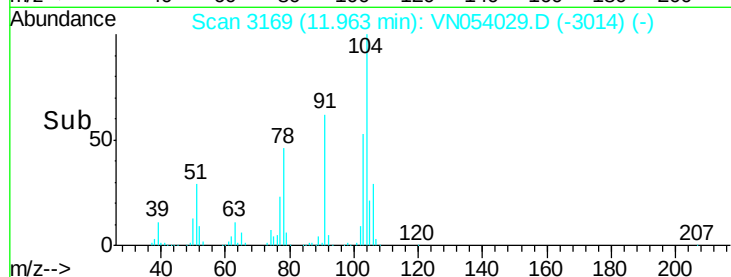
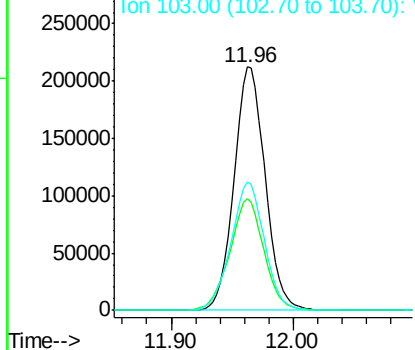
#69
Stvrene
Concen: 20.082 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Instrument :
MSVOA_N
ClientSampled :
VN0301WBSD01

Tot Ion:104 Resp: 375214
Ion Ratio Lower Upper
104 100
78 50.3 39.3 58.9
103 56.6 44.6 66.8

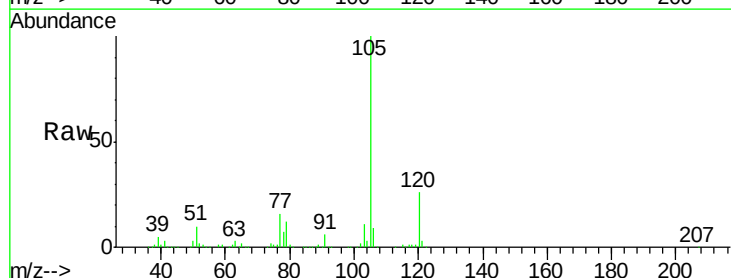


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

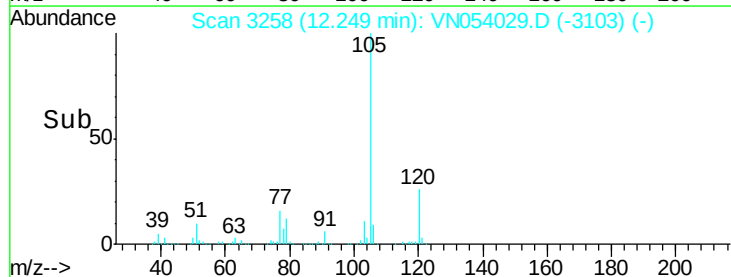
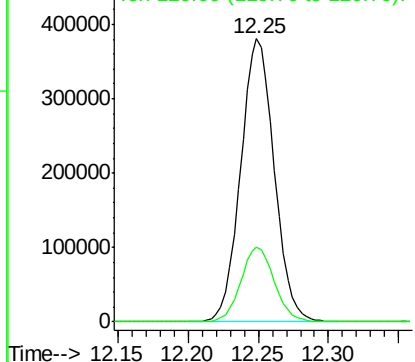


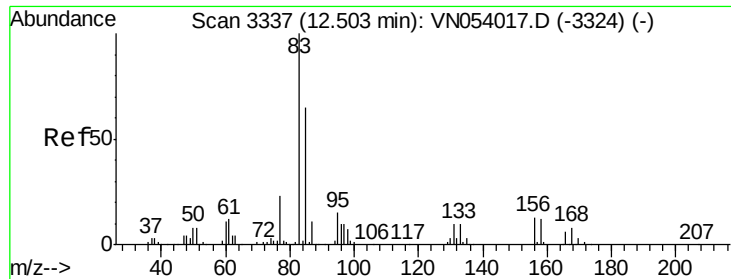
#70
Isopropylbenzene
Concen: 20.462 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054029.D
Acq: 1 Mar 2019 15:04

Tgt Ion:105 Resp: 633691
Ion Ratio Lower Upper
105 100
120 26.3 18.6 34.6



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

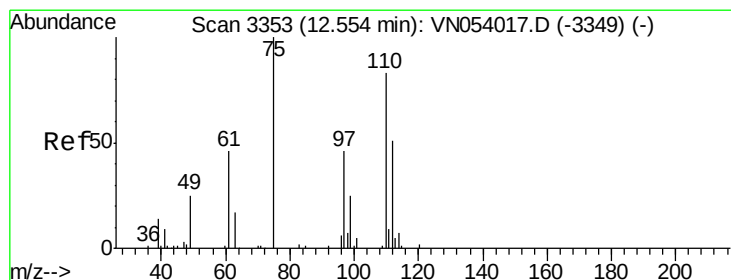
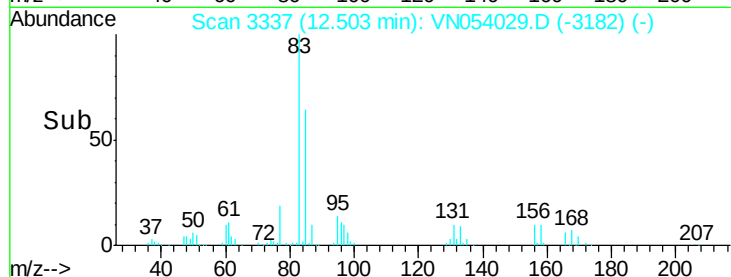
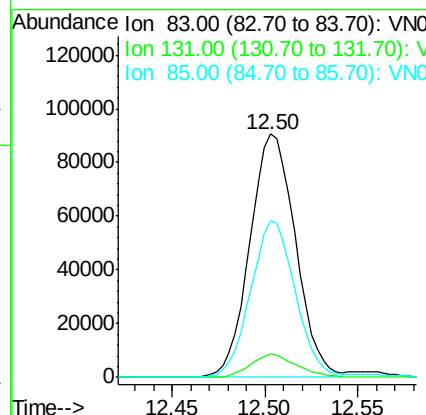
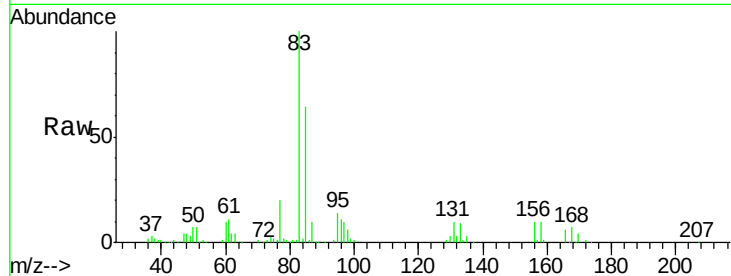




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.301 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

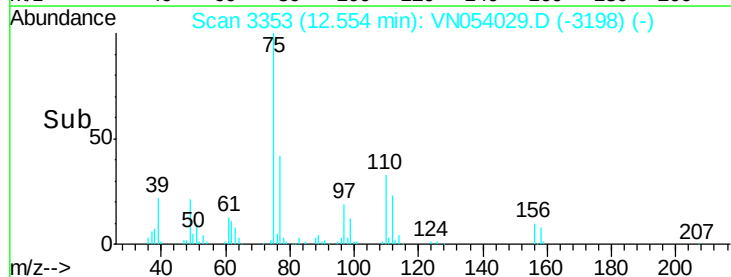
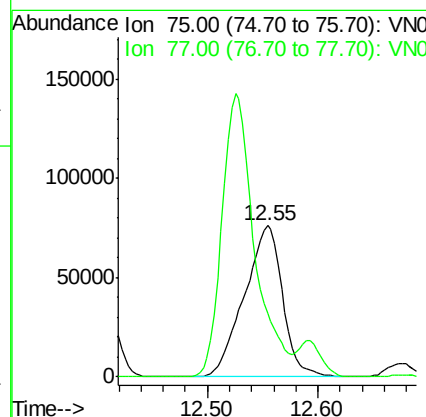
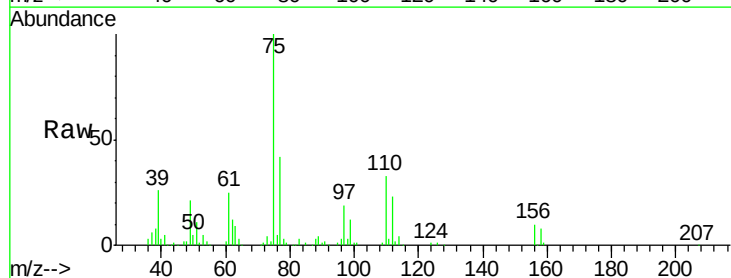
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

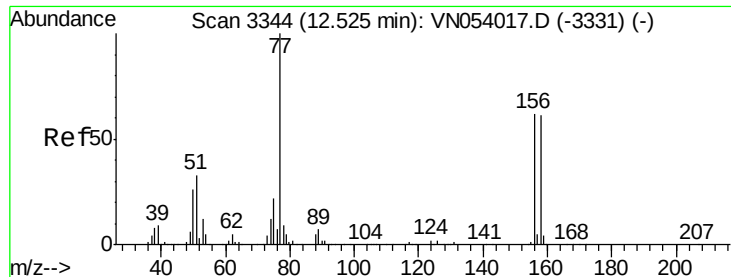
Tot Ion	83	Resp	155176
Ion Ratio	100	Lower	Upper
131	9.5	4.9	14.6
85	63.0	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.661 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion	75	Resp	183763
Ion Ratio	100	Lower	Upper
77	159.1	0.0	514.8





#73

Bromobenzene

Concen: 19.586 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

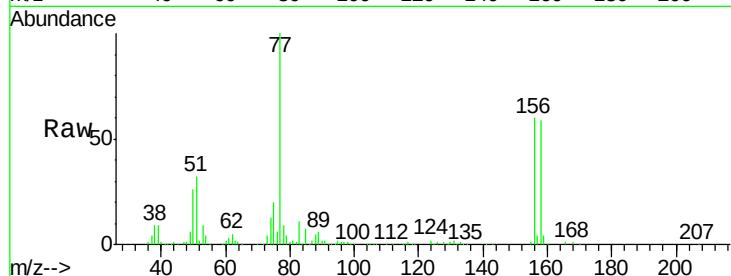
Tot Ion:156 Resp: 152931

Ion Ratio Lower Upper

156 100

77 191.2 0.0 382.6

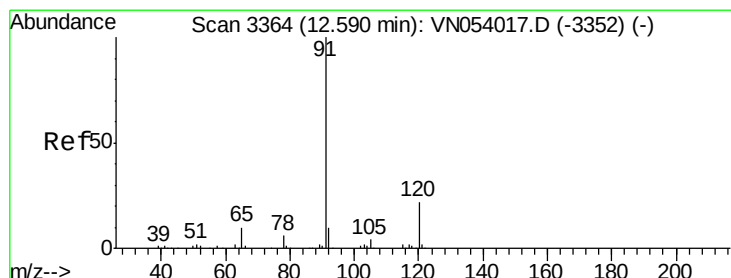
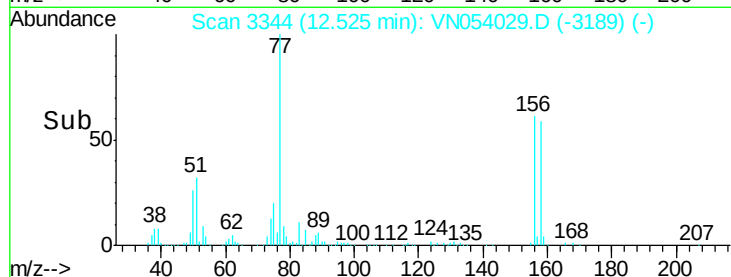
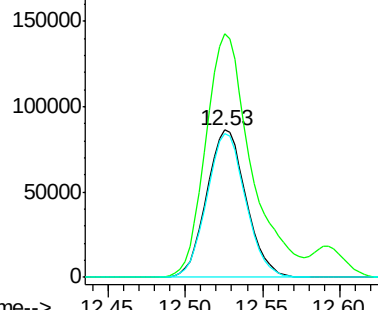
158 95.9 0.0 196.8



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: 19.702 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054029.D

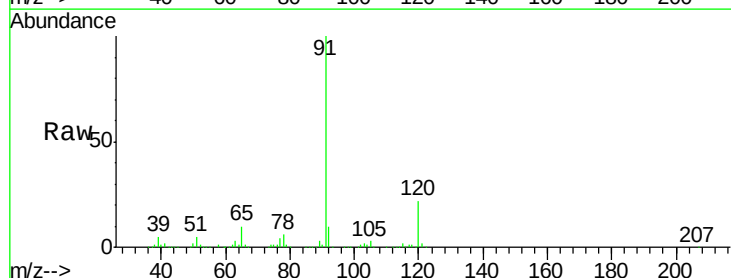
Acq: 1 Mar 2019 15:04

Tgt Ion: 91 Resp: 726562

Ion Ratio Lower Upper

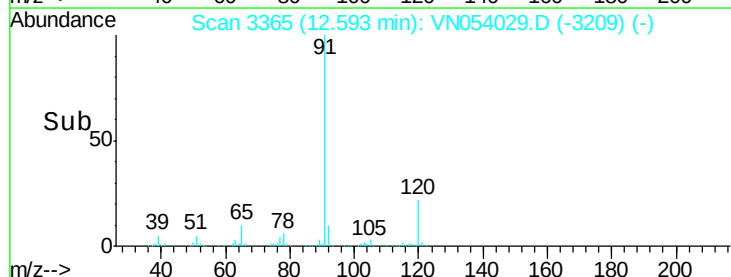
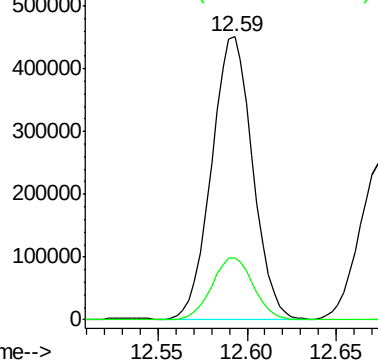
91 100

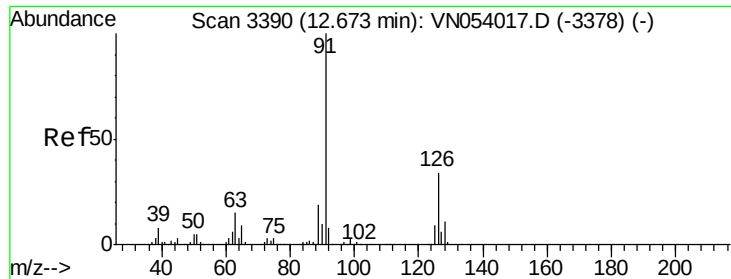
120 22.1 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.051 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

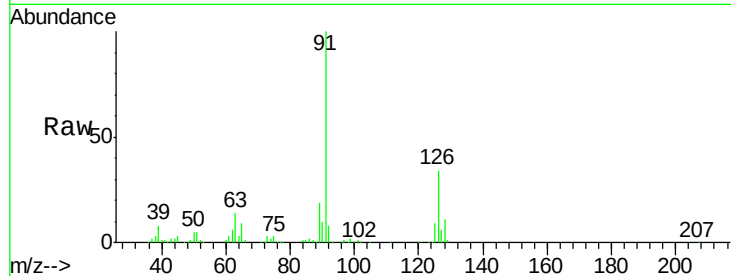
VN0301WBSD01

Tot Ion: 91 Resp: 433010

Ion Ratio Lower Upper

91 100

126 33.6 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054017.D (-3378) (-)

400000

300000

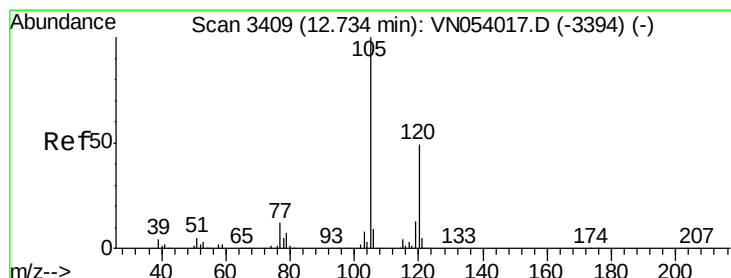
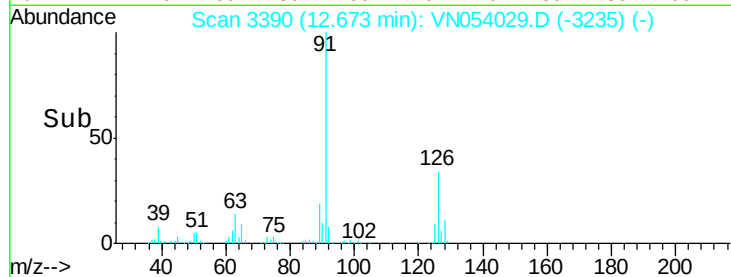
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.685 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN054029.D

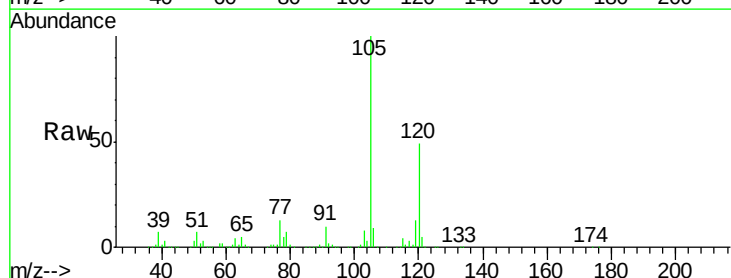
Acq: 1 Mar 2019 15:04

Tgt Ion: 105 Resp: 516415

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN054017.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054017.D (-3394) (-)

300000

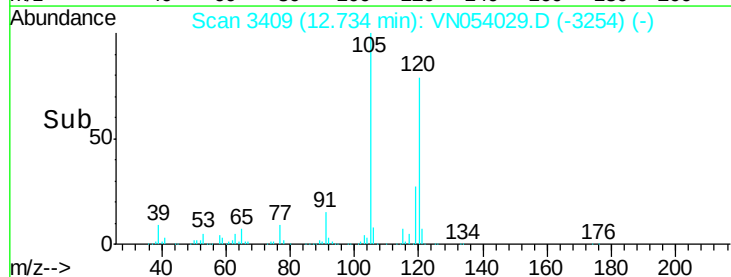
200000

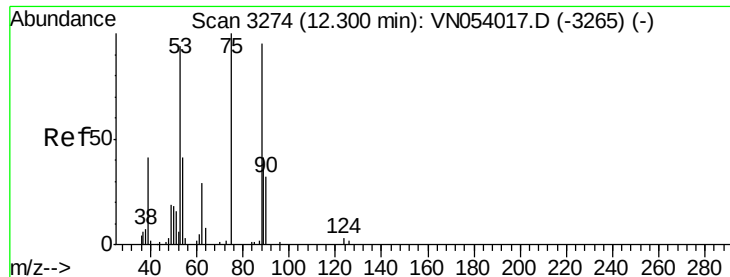
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.489 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

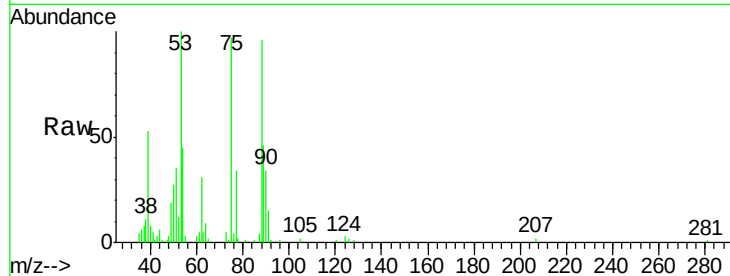
Tot Ion: 75 Resp: 36122

Ion Ratio Lower Upper

75 100

53 102.7 48.5 145.6

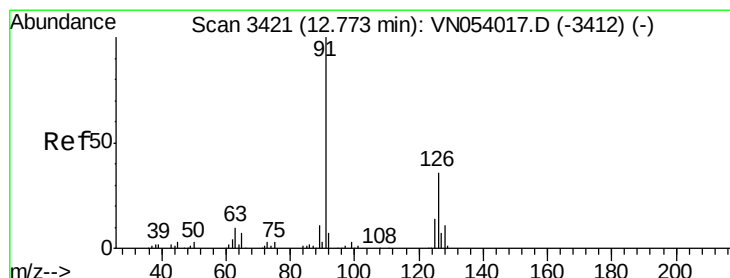
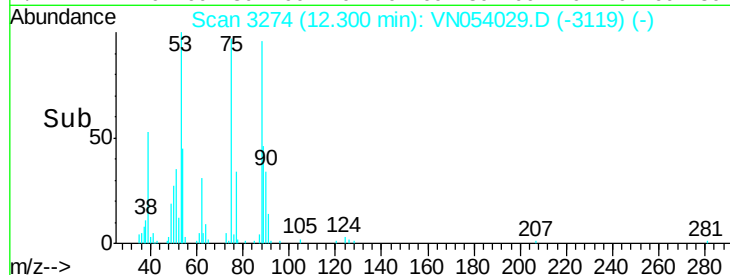
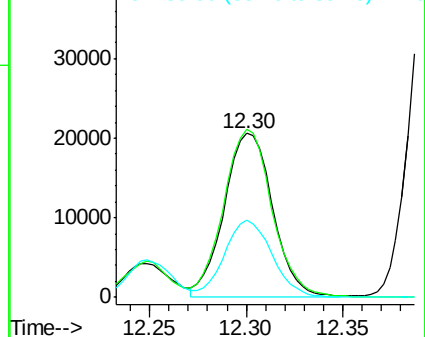
89 47.2 21.7 65.1



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: 19.389 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054029.D

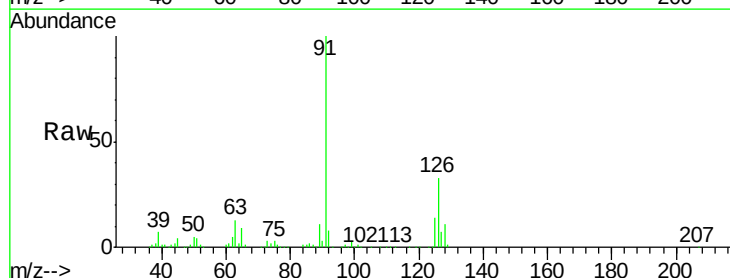
Acq: 1 Mar 2019 15:04

Tgt Ion: 91 Resp: 418986

Ion Ratio Lower Upper

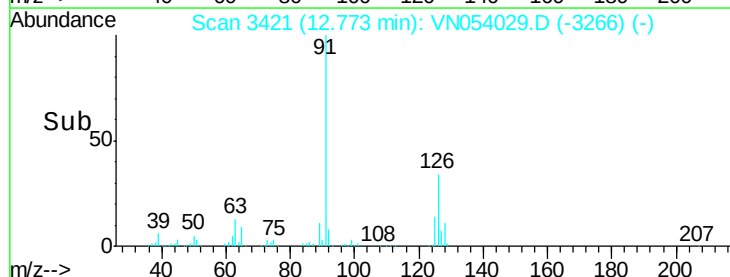
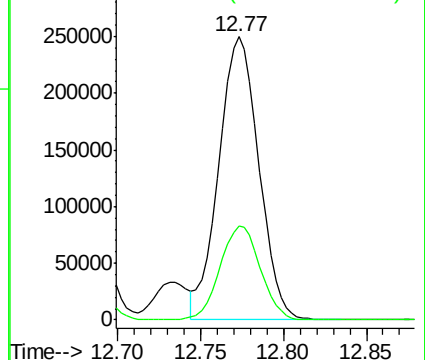
91 100

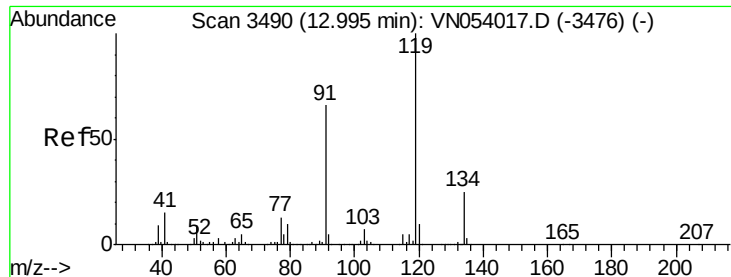
126 33.4 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.591 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

VN0301WBSD01

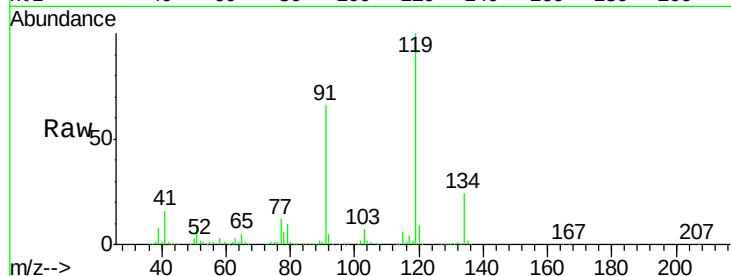
Tot Ion:119 Resp: 450340

Ion Ratio Lower Upper

119 100

91 65.2 0.0 129.8

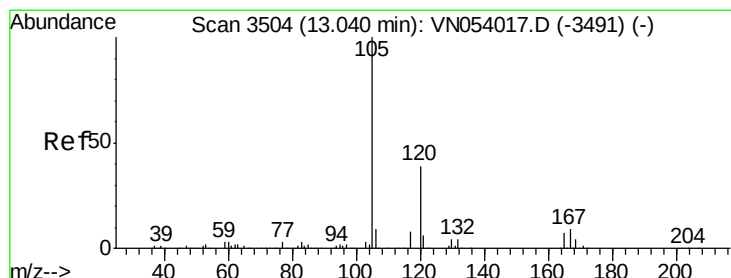
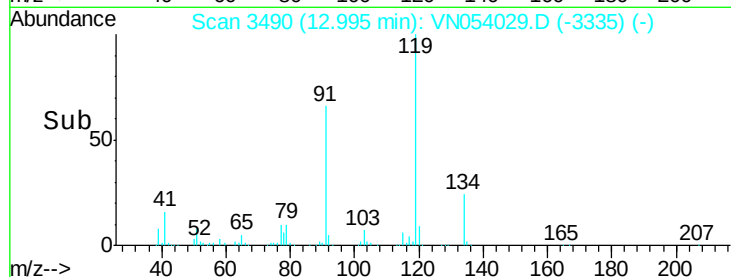
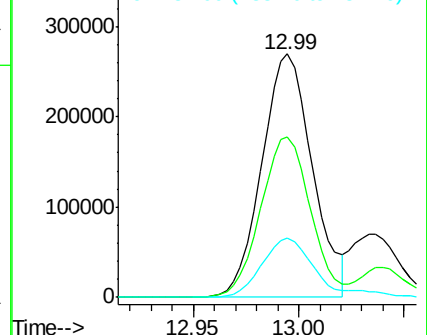
134 24.2 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.754 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054029.D

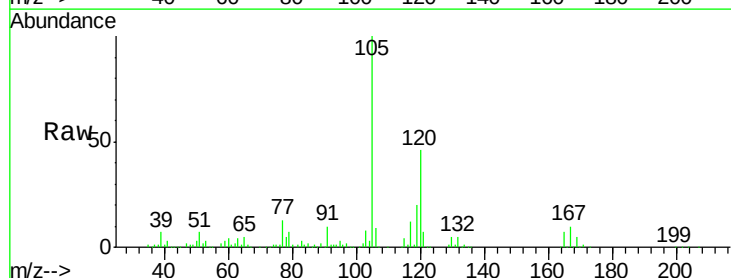
Acq: 1 Mar 2019 15:04

Tgt Ion:105 Resp: 515759

Ion Ratio Lower Upper

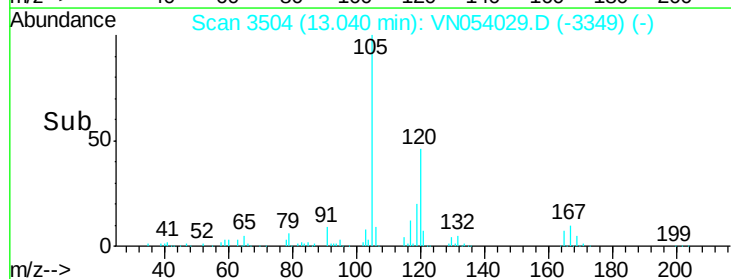
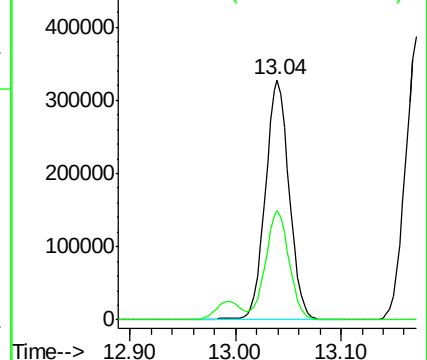
105 100

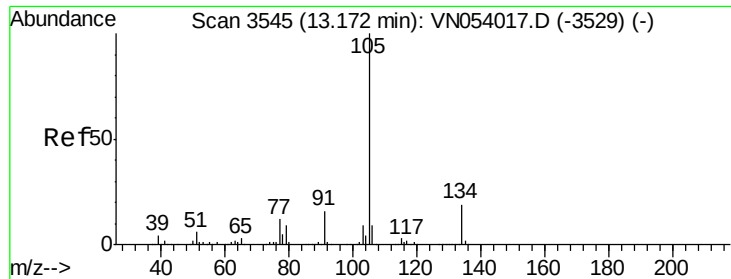
120 45.3 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.313 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampled :

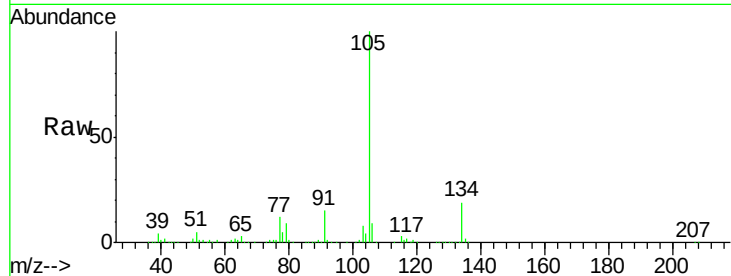
VN0301WBSD01

Tot Ion:105 Resp: 608881

Ion Ratio Lower Upper

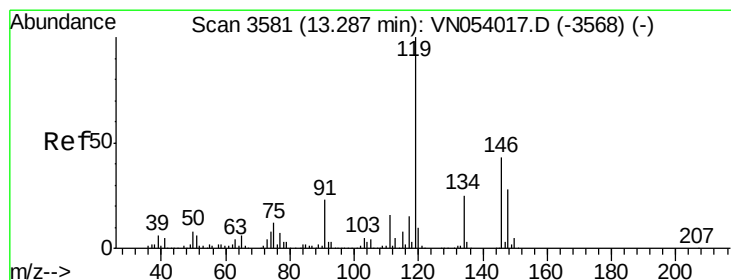
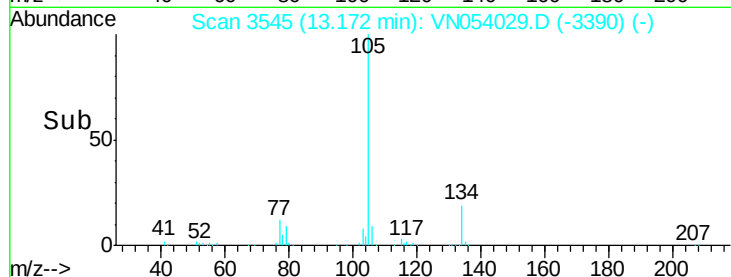
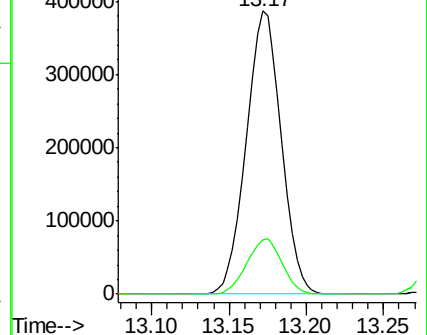
105 100

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: 18.824 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

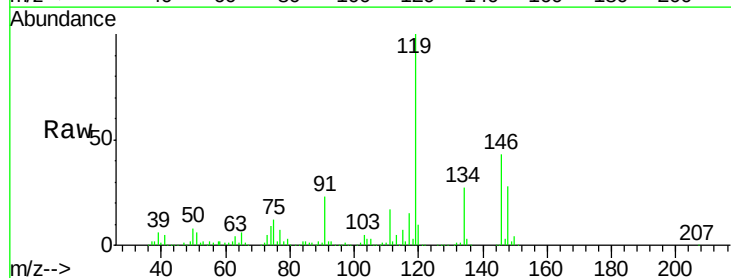
Tgt Ion:119 Resp: 506733

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.6

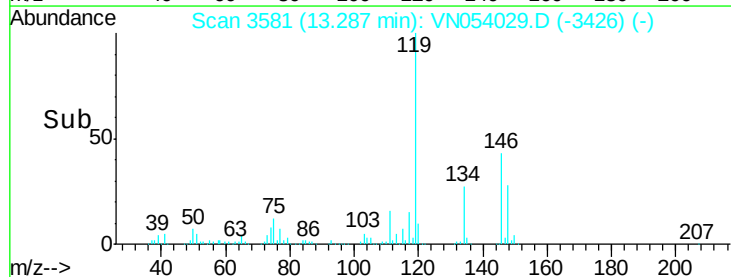
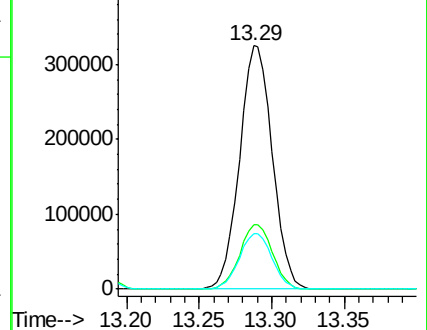
91 23.0 0.0 46.2

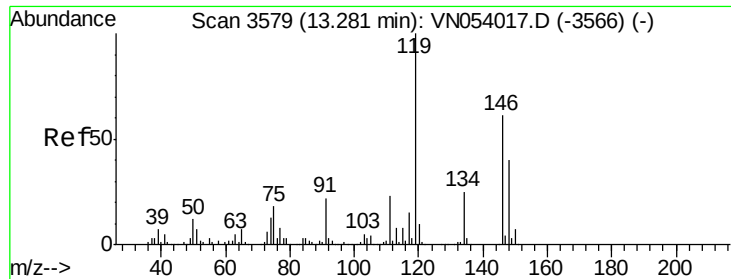


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

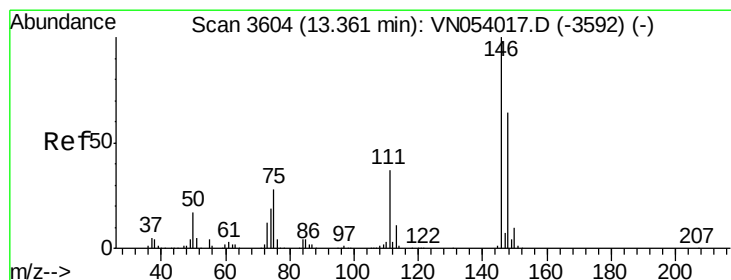
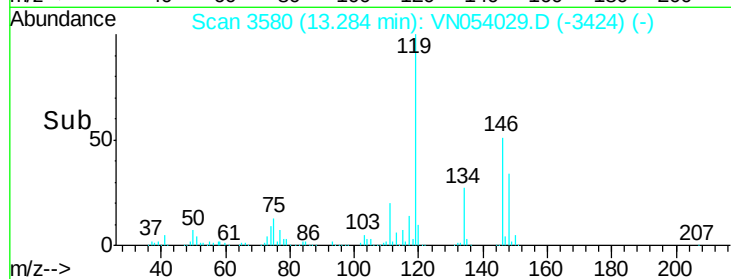
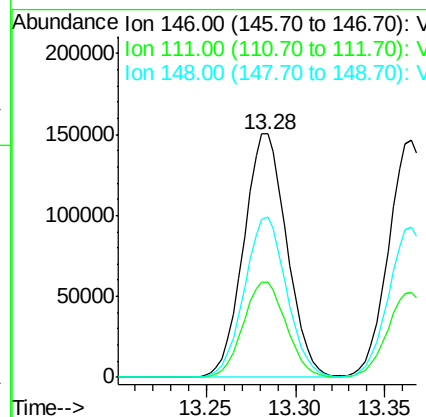
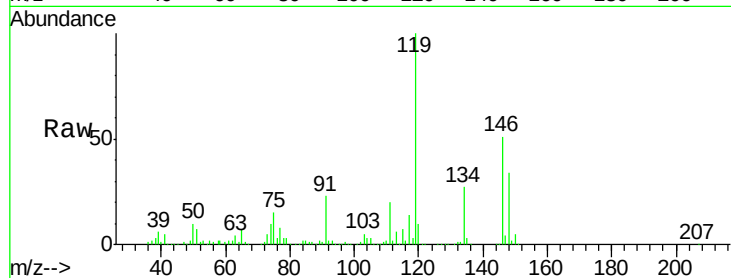




#83
 1,3-Dichlorobenzene
 Concen: 18.485 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

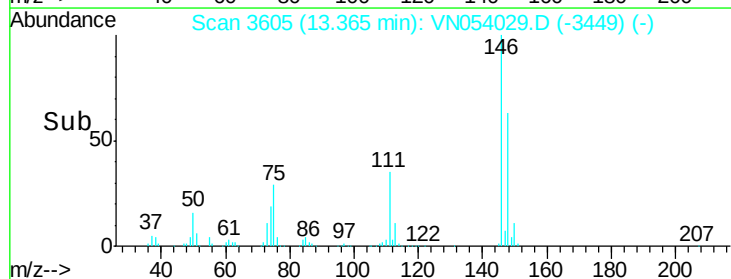
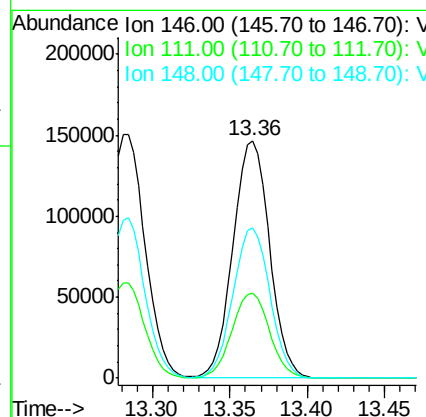
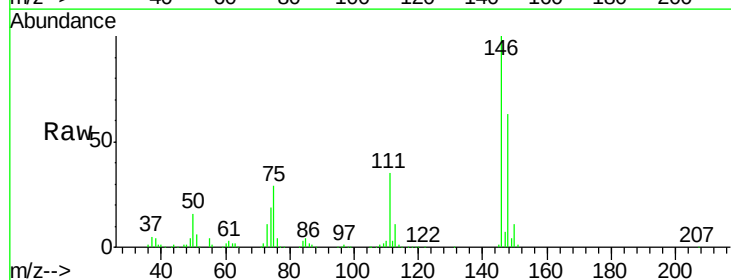
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

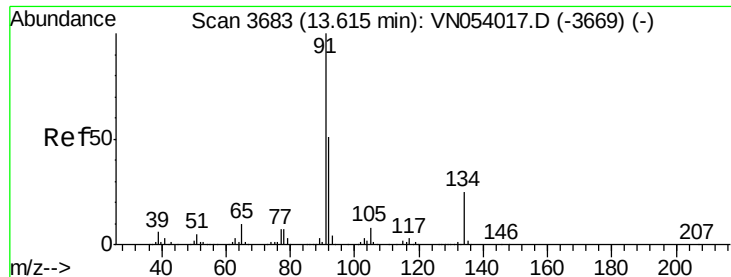
Tot Ion:146 Resp: 254573
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 64.3 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 18.313 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion:146 Resp: 240803
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.8 56.3
 148 63.9 32.5 97.4





#85

n-Butylbenzene

Concen: 16.777 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

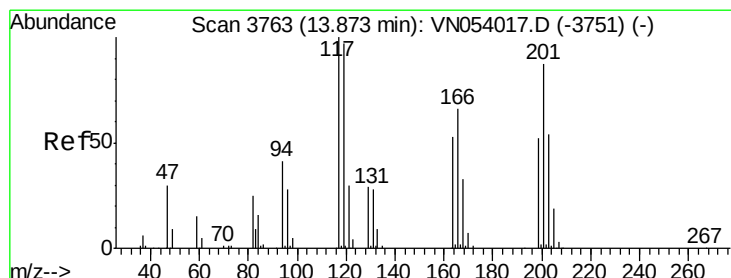
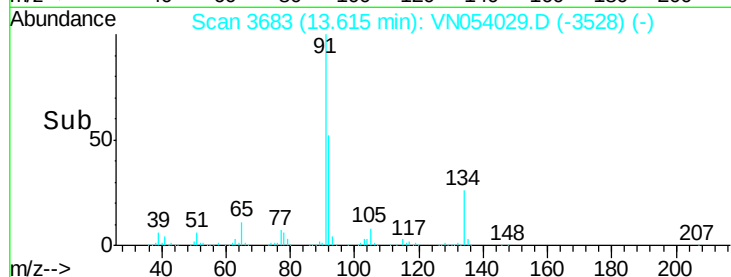
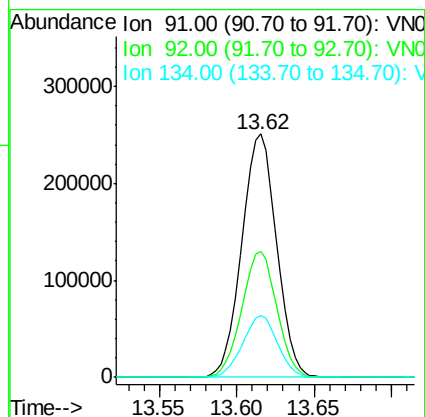
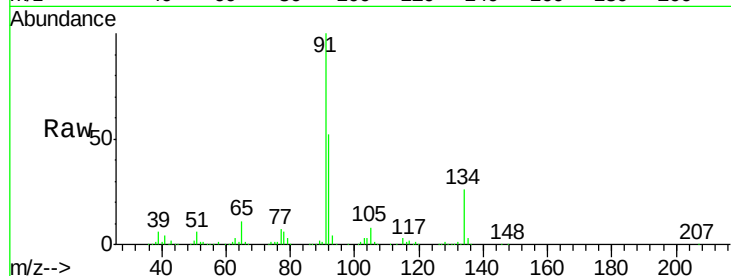
Tot Ion: 91 Resp: 393627

Ion Ratio Lower Upper

91 100

92 51.8 0.0 104.2

134 25.6 0.0 50.6



#86

Hexachloroethane

Concen: 18.514 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054029.D

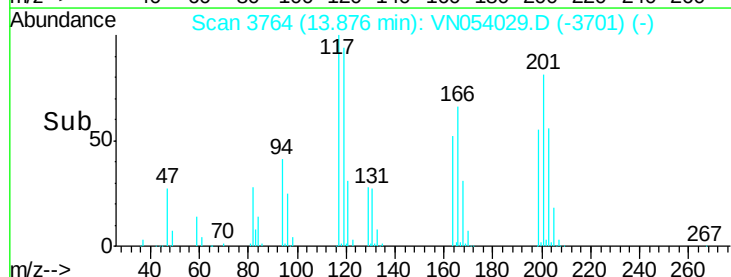
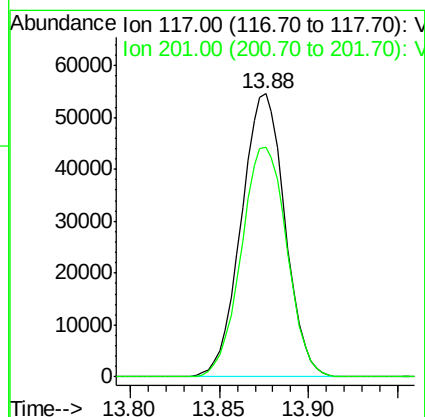
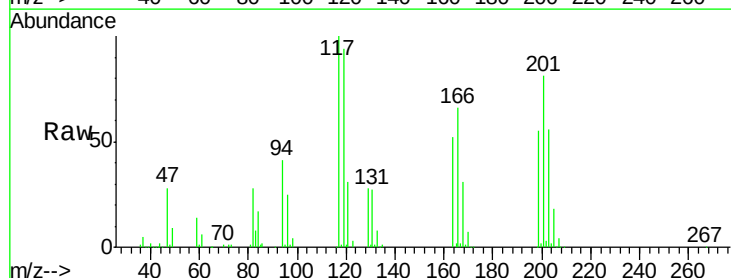
Acq: 1 Mar 2019 15:04

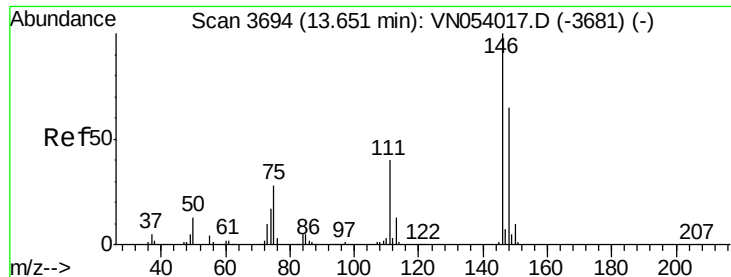
Tgt Ion: 117 Resp: 93179

Ion Ratio Lower Upper

117 100

201 84.6 43.8 131.3

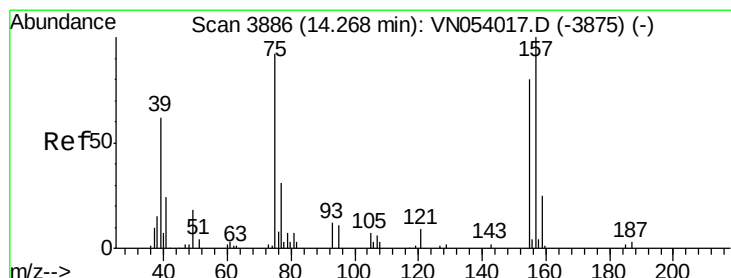
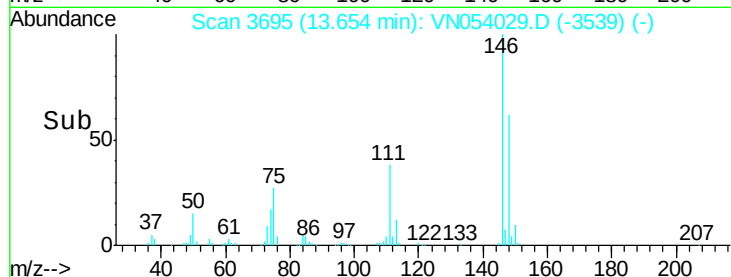
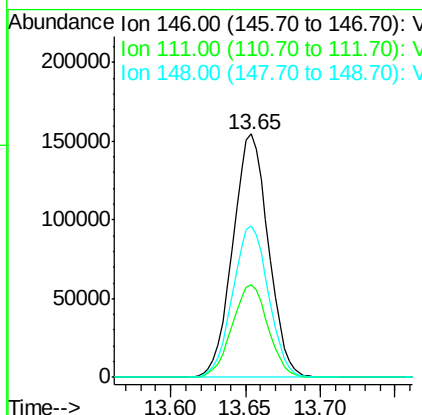
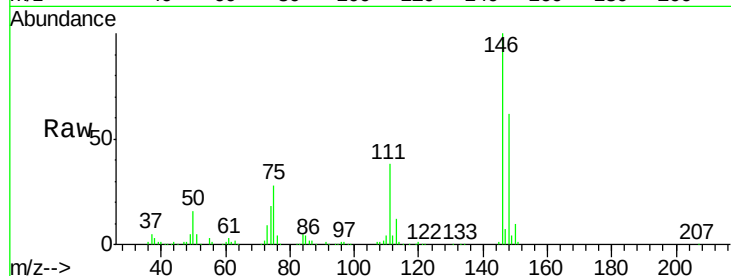




#87
 1,2-Dichlorobenzene
 Concen: 19.161 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

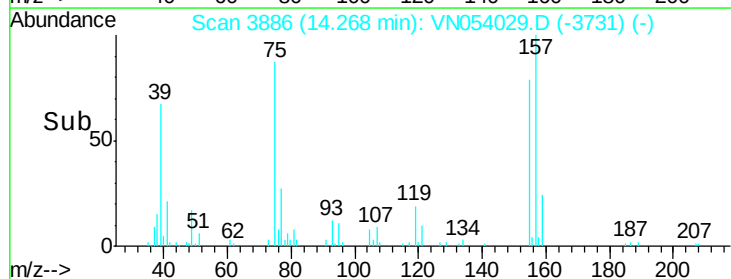
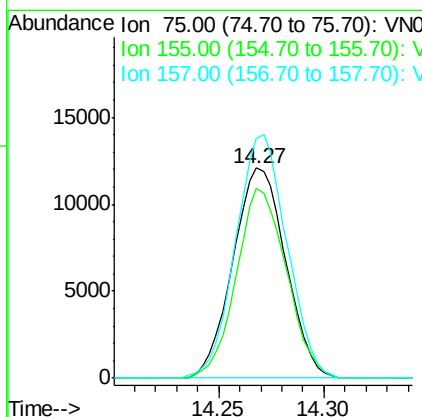
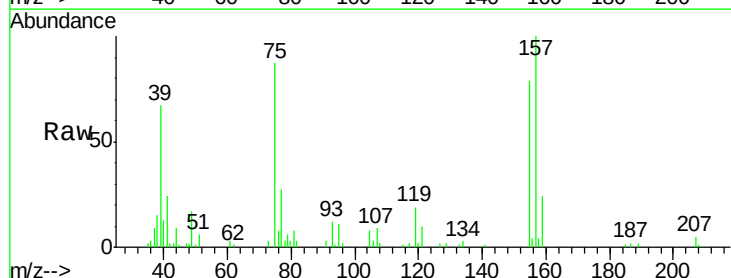
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

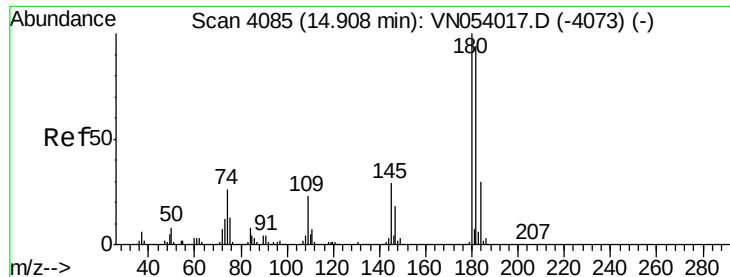
Tot Ion:146 Resp: 255921
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.3 60.8
 148 62.8 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.982 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion: 75 Resp: 20993
 Ion Ratio Lower Upper
 75 100
 155 85.8 72.2 108.2
 157 112.6 94.2 141.2

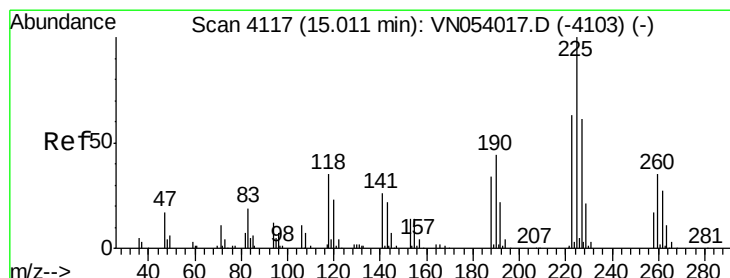
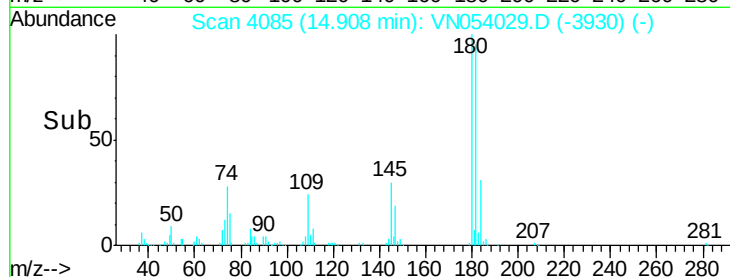
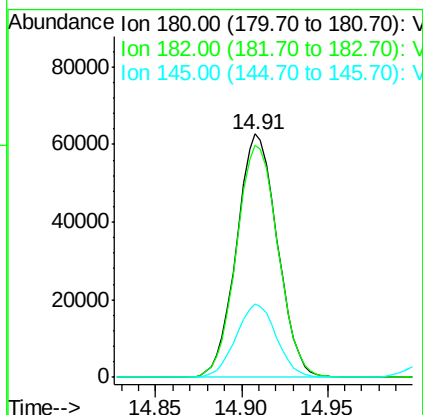
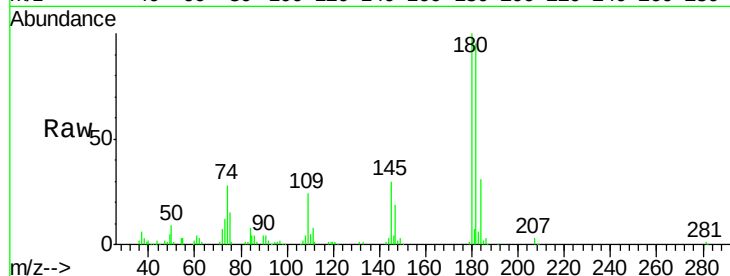




#89
 1,2,4-Trichlorobenzene
 Concen: 15.217 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

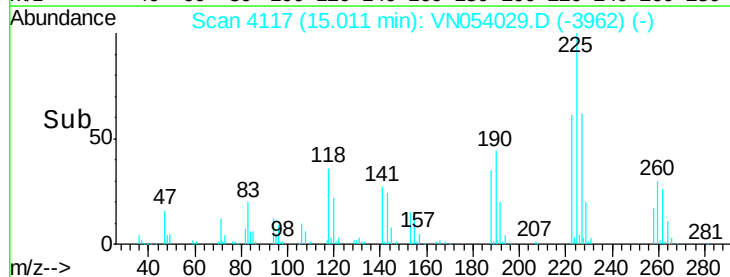
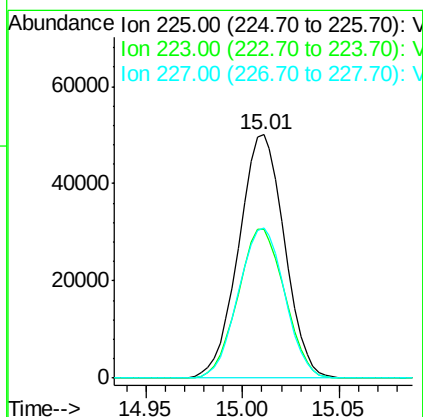
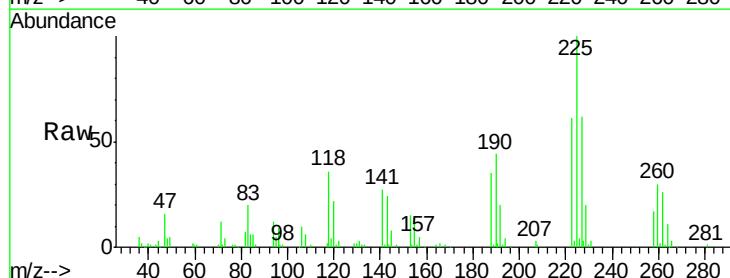
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBSD01

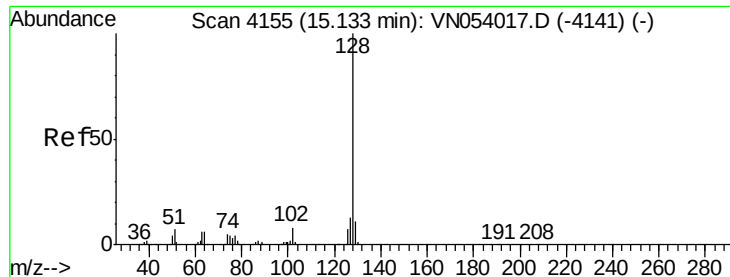
Tot Ion:180 Resp: 103257
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.6 114.8
 145 29.9 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 16.752 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054029.D
 Acq: 1 Mar 2019 15:04

Tgt Ion:225 Resp: 82591
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 125.6
 227 62.1 0.0 127.8





#91

Naphthalene

Concen: 17.981 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBSD01

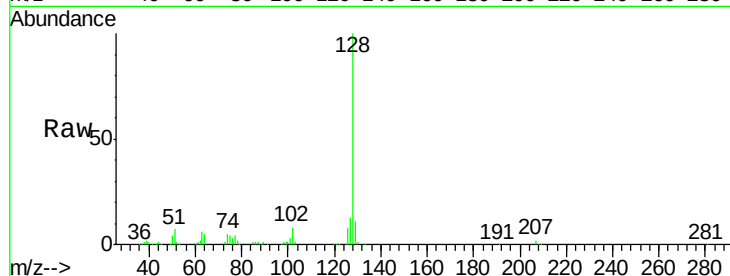
Tot Ion:128 Resp: 203732

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

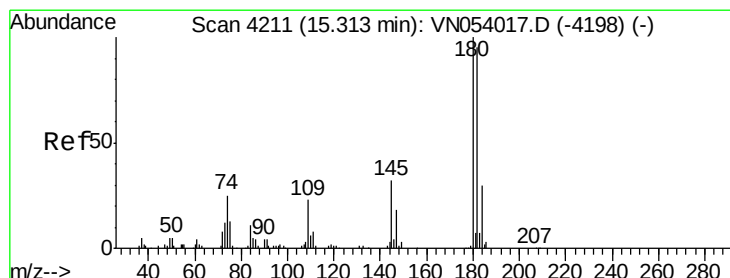
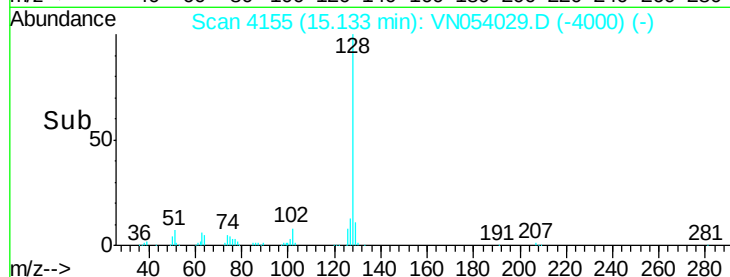
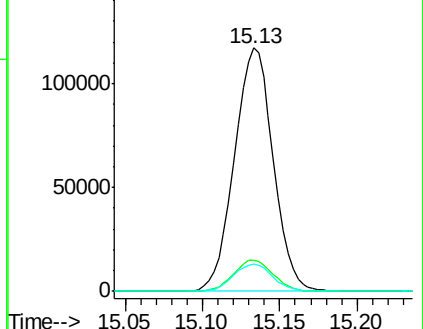
129 11.4 8.5 12.7



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: 15.975 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054029.D

Acq: 1 Mar 2019 15:04

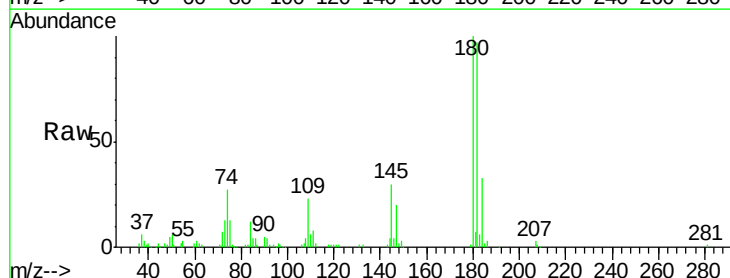
Tgt Ion:180 Resp: 107044

Ion Ratio Lower Upper

180 100

182 95.4 0.0 196.2

145 31.2 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

