

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054021.D
 Acq On : 1 Mar 2019 11:23
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Quant Time: Mar 01 23:43:02 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	118363	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	663116	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	569034	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	251304	30.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.77%
60) 4-Bromofluorobenzene	12.40	95	263276	30.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.77%
63) Toluene-d8	10.09	98	822408	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	138307	20.666	ug/l 100
3) Chloromethane	2.06	50	186188	20.915	ug/l 99
4) Vinyl Chloride	2.18	62	182261	20.446	ug/l 96
5) Bromomethane	2.57	94	120717	22.014	ug/l 100
6) Chloroethane	2.71	64	108668	20.705	ug/l 99
7) Trichlorofluoromethane	3.02	101	229160	21.158	ug/l 99
8) Diethyl Ether	3.41	74	85356	20.955	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145078	20.835	ug/l 97
10) 1,1-Dichloroethene	3.74	96	134889	20.675	ug/l 97
11) Methyl Iodide	3.95	142	175841	18.170	ug/l 99
12) Methyl Acetate	4.33	43	117827	21.420	ug/l 95
13) Acrolein	3.61	56	41022	84.612	ug/l 100
14) Acrylonitrile	4.99	53	267306	101.121	ug/l 98
15) Acetone	3.82	58	80207	105.286	ug/l 98
16) Carbon Disulfide	4.06	76	441732	20.868	ug/l 99
17) Allyl chloride	4.32	41	248804	21.563	ug/l 99
18) Methylene Chloride	4.55	84	154215	20.470	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	147935	20.901	ug/l 98
20) Diisopropyl ether	5.95	45	476177	20.630	ug/l 96
21) 1,1-Dichloroethane	5.85	63	278547	20.434	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	161779	20.532	ug/l 96
23) tert-Butyl Alcohol	4.78	59	48320	102.055	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	376619	21.324	ug/l 100
25) Chloroform	7.37	83	271242	20.623	ug/l 100
26) Cyclohexane	7.65	56	260394	20.990	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	209283	20.149	ug/l 100
30) 2-Butanone	6.83	43	325541	99.264	ug/l 99
31) 2,2-Dichloropropane	6.82	77	211623	20.662	ug/l # 52
32) 1,1,1-Trichloroethane	7.57	97	225627	20.195	ug/l 98
33) Carbon Tetrachloride	7.77	117	200245	20.243	ug/l 99
34) Benzene	8.04	78	620121	20.089	ug/l 98
35) Methacrylonitrile	7.17	41	58267	15.890	ug/l 99
36) 1,2-Dichloroethane	8.12	62	193621	19.533	ug/l 100
37) Trichloroethene	8.84	130	162582	20.176	ug/l 98
38) Methylcyclohexane	9.08	83	247505	20.189	ug/l 99
39) 1,2-Dichloropropane	9.12	63	168931	19.976	ug/l 99
40) Dibromomethane	9.21	93	95071	19.610	ug/l 98

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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)
41) Bromodichloromethane	9.40	83	204439	19.875	ug/l	97
42) Vinyl Acetate	5.90	43	1715134	101.230	ug/l	100
43) Ethyl Acetate	6.93	43	143004	20.818	ug/l #	74
45) 1,4-Dioxane	9.20	88	28146	400.271	ug/l	97
46) Methyl methacrylate	9.20	41	111141	19.196	ug/l	95
47) n-amyl Acetate	12.07	43	178259	20.132	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	202786	19.662	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	239630	19.786	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	134199	19.734	ug/l	98
51) Ethyl methacrylate	10.43	69	162484	19.848	ug/l	96
52) 1,3-Dichloropropane	10.71	76	232713	19.939	ug/l	100
53) Dibromochloromethane	10.90	129	149141	19.959	ug/l	100
54) 1,2-Dibromoethane	11.01	107	126329	19.501	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	377480	99.361	ug/l	100
56) Bromoform	12.13	173	97492	19.649	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	651614	101.625	ug/l	97
59) 2-Hexanone	10.75	43	419773	100.202	ug/l	99
61) Tetrachloroethene	10.63	164	162479	20.539	ug/l	95
62) Toluene	10.16	91	653396	20.546	ug/l	100
64) Chlorobenzene	11.43	112	388536	20.064	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	143390	20.166	ug/l	99
66) Ethyl Benzene	11.51	91	676098	20.339	ug/l	100
67) m/p-Xylenes	11.62	106	523942	41.864	ug/l	99
68) o-Xylene	11.95	106	251087	20.696	ug/l	99
69) Styrene	11.96	104	398514	20.744	ug/l	100
70) Isopropylbenzene	12.25	105	661073	20.761	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157498	20.040	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	195978	32.840	ug/l	44
73) Bromobenzene	12.53	156	161595	20.129	ug/l	99
74) n-propylbenzene	12.59	91	791567	20.876	ug/l	100
75) 2-Chlorotoluene	12.67	91	458219	20.637	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	568425	21.074	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40921	19.270	ug/l	100
78) 4-Chlorotoluene	12.77	91	465710	20.961	ug/l	98
79) tert-butylbenzene	12.99	119	496928	21.025	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	569494	21.214	ug/l	100
81) sec-Butylbenzene	13.17	105	685263	21.140	ug/l	99
82) p-Isopropyltoluene	13.29	119	591639	21.375	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	296563	20.943	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	281309	20.807	ug/l	99
85) n-Butylbenzene	13.61	91	508250	21.069	ug/l	99
86) Hexachloroethane	13.88	117	102737	19.853	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	288686	21.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23495	20.662	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	150668	21.596	ug/l	99
90) Hexachlorobutadiene	15.01	225	114170	22.523	ug/l	98
91) Naphthalene	15.13	128	297751	22.605	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	150966	21.912	ug/l	98

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Quant Time: Mar 01 23:43:02 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration

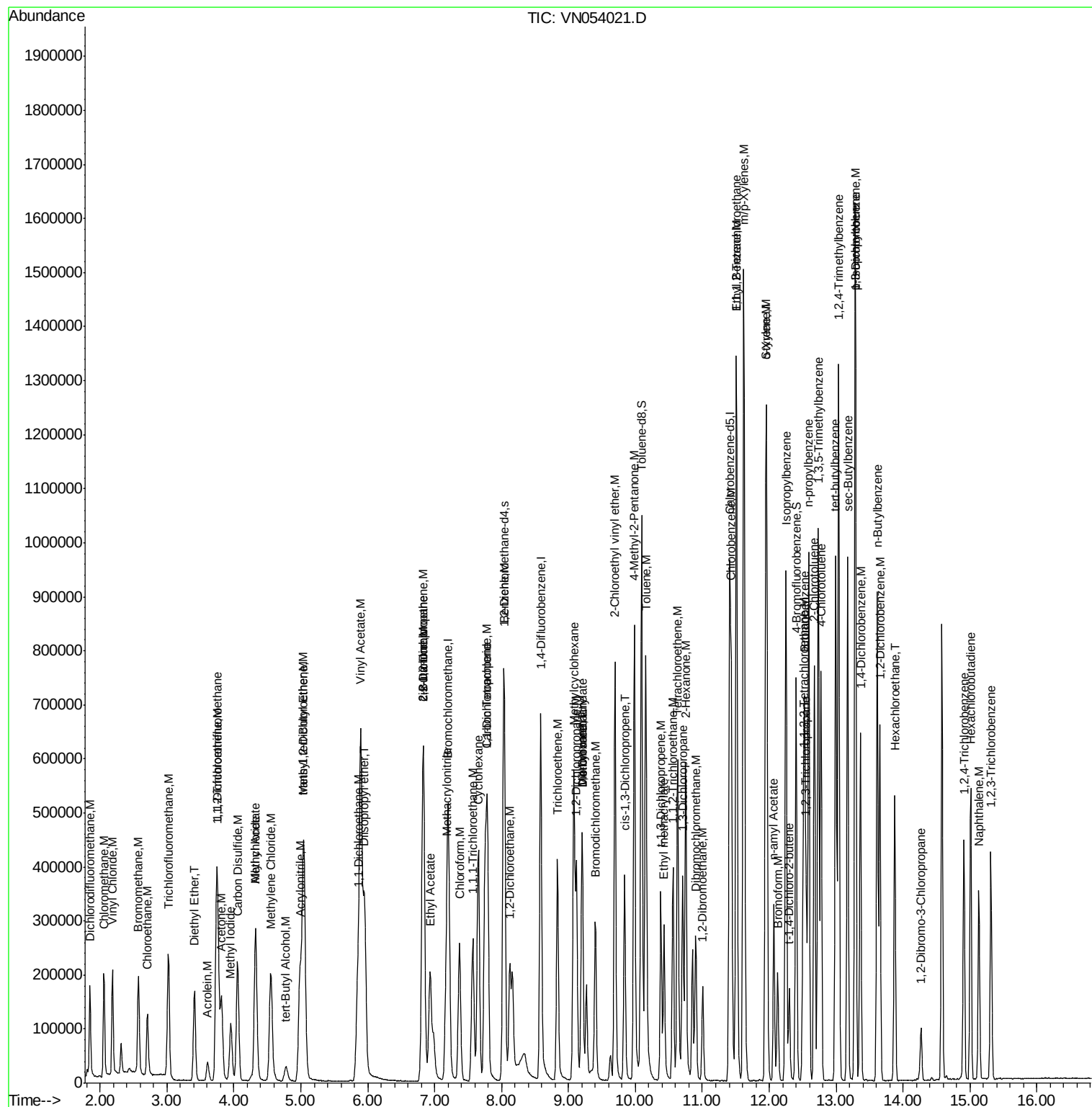
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

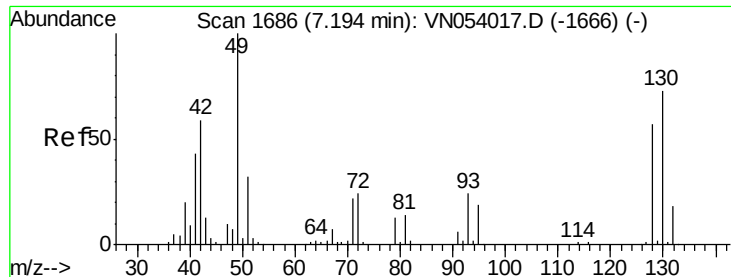
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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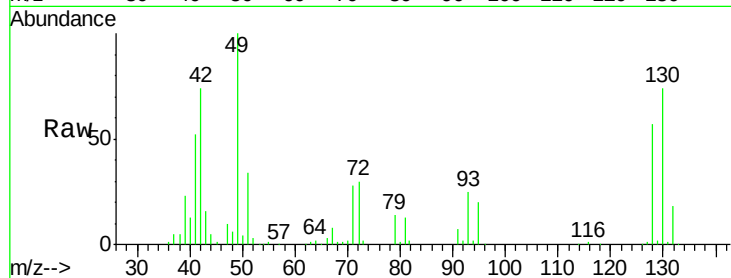




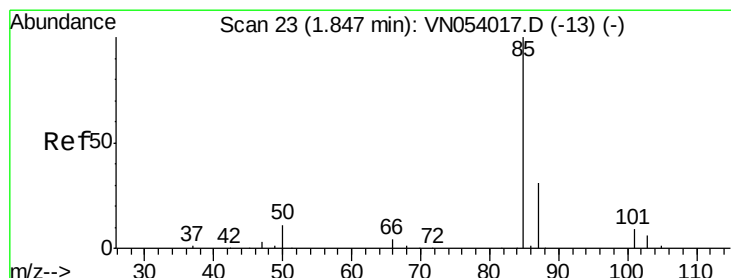
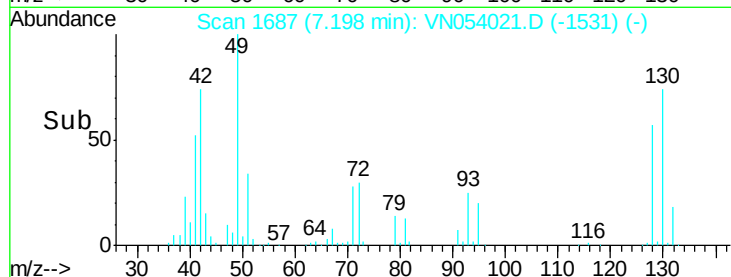
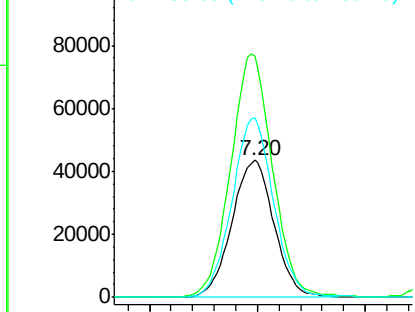
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion:128 Resp: 118363
Ion Ratio Lower Upper
128 100
49 175.4 0.0 431.8
130 129.7 0.0 317.0

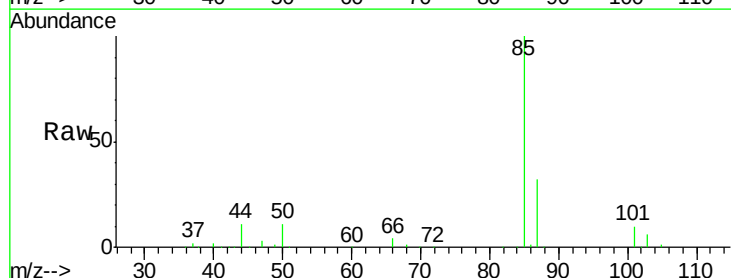


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

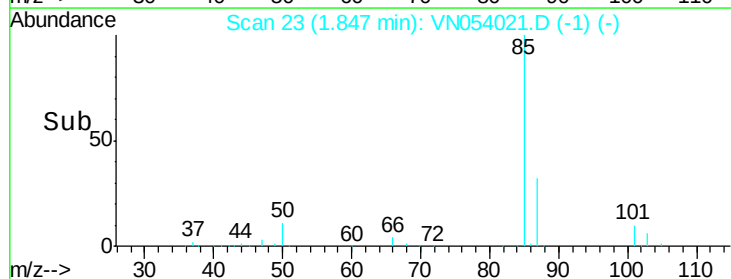
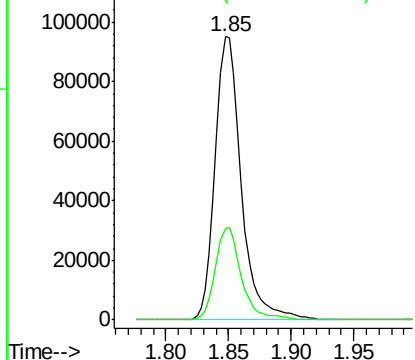


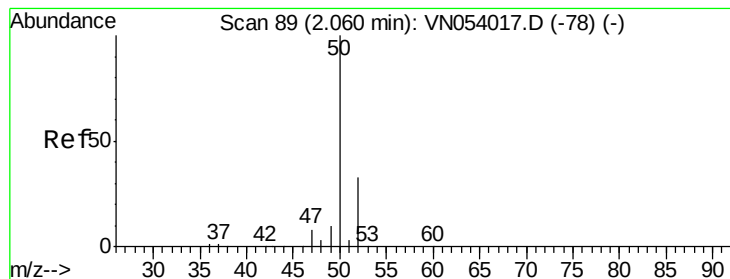
#2
Dichlorodifluoromethane
Concen: 20.666 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 85 Resp: 138307
Ion Ratio Lower Upper
85 100
87 32.4 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: 20.915 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

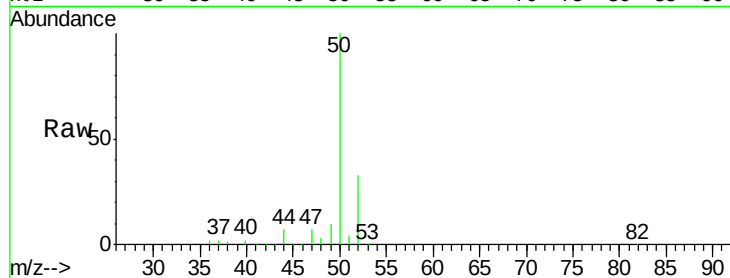
ICVVN030119

Tot Ion: 50 Resp: 186188

Ion Ratio Lower Upper

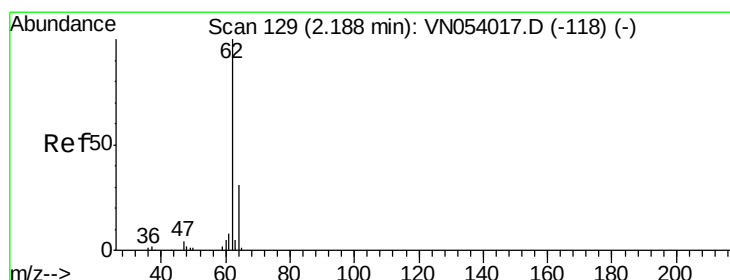
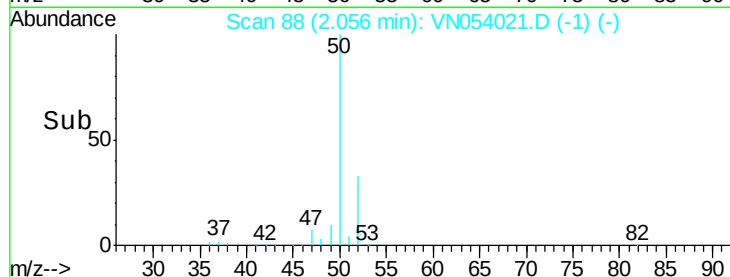
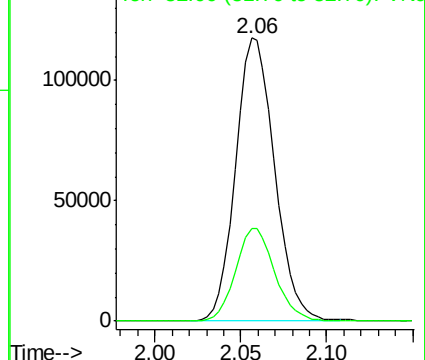
50 100

52 32.7 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.446 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054021.D

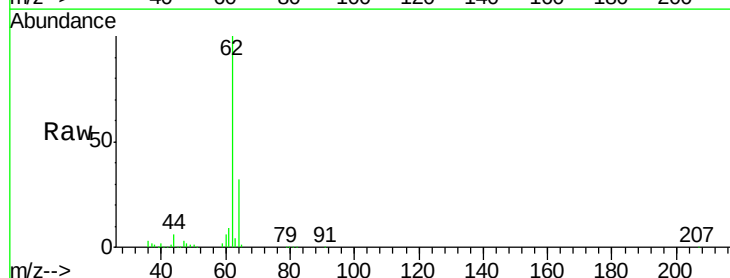
Acq: 1 Mar 2019 11:23

Tgt Ion: 62 Resp: 182261

Ion Ratio Lower Upper

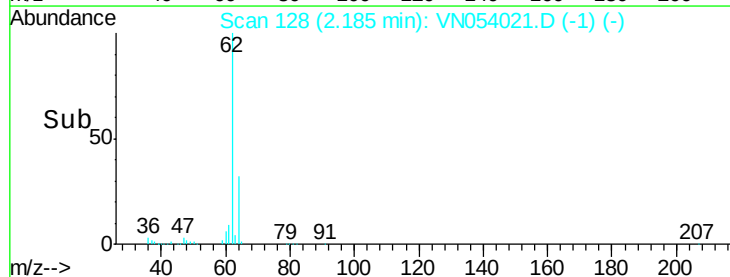
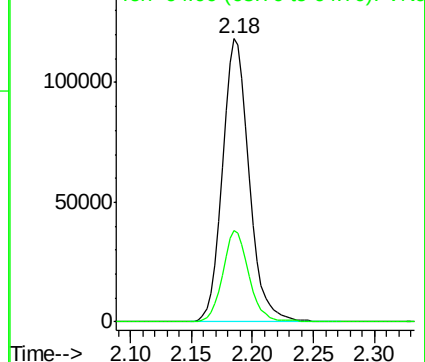
62 100

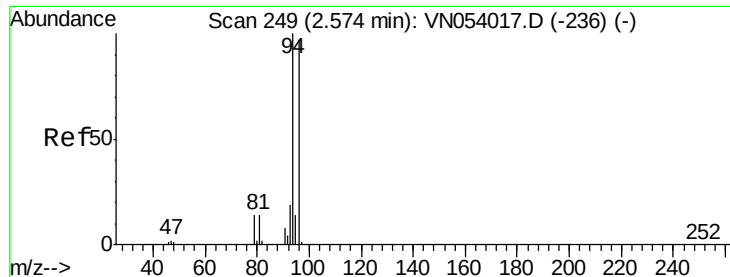
64 32.4 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.014 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

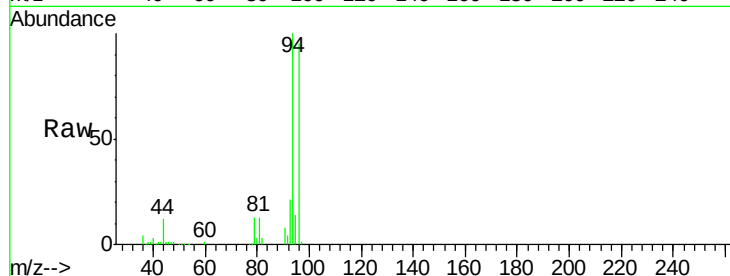
ICVVN030119

Tot Ion: 94 Resp: 120717

Ion Ratio Lower Upper

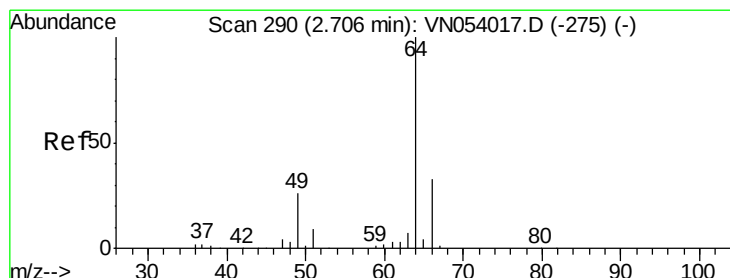
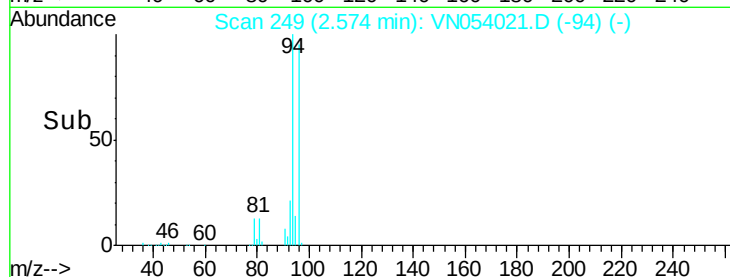
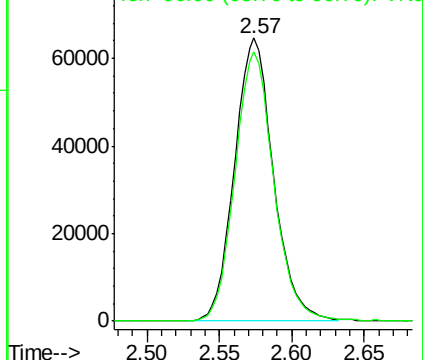
94 100

96 95.3 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: 20.705 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054021.D

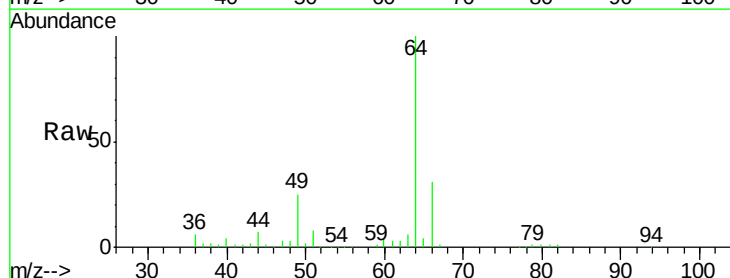
Acq: 1 Mar 2019 11:23

Tgt Ion: 64 Resp: 108668

Ion Ratio Lower Upper

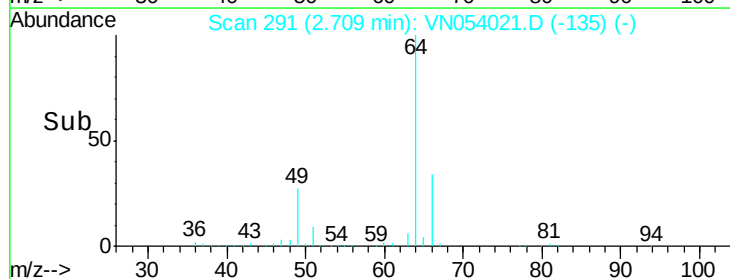
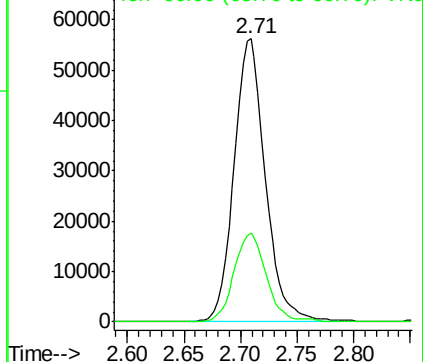
64 100

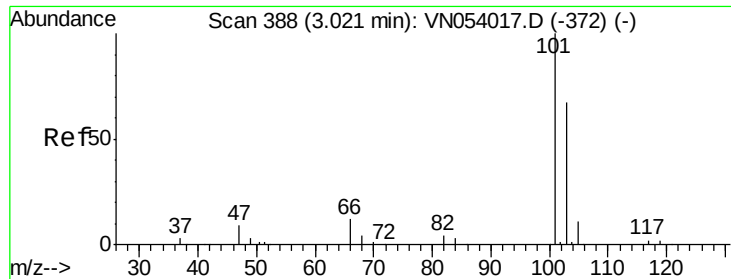
66 31.3 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



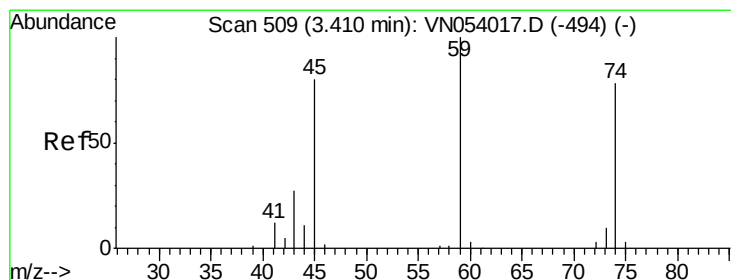
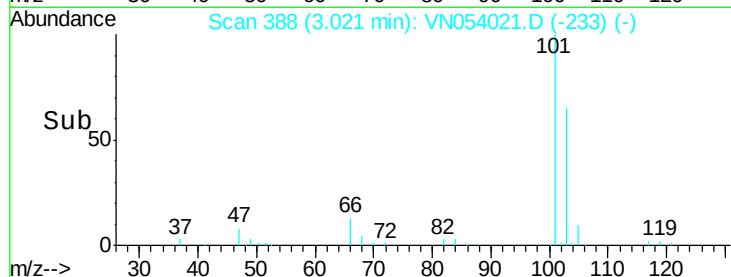
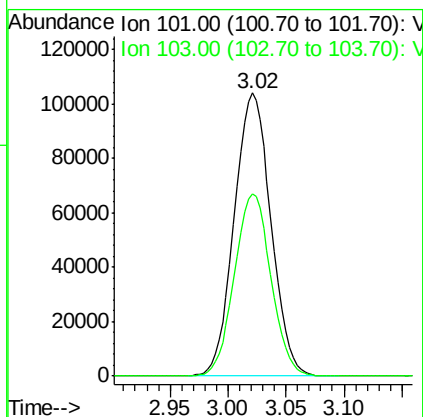
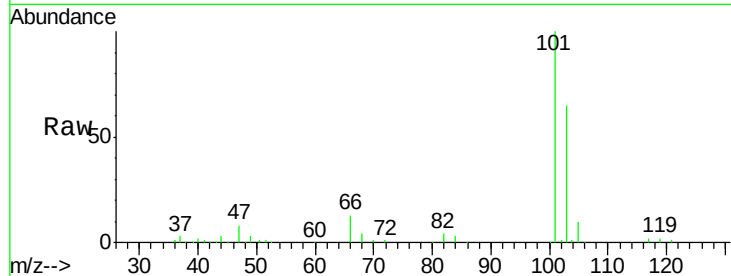


#7

Trichlorofluoromethane
Concen: 21.158 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
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ClientSampleId :
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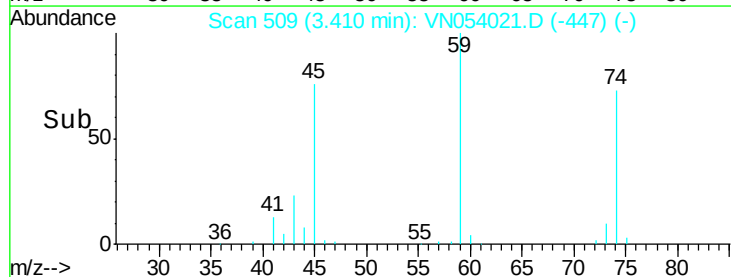
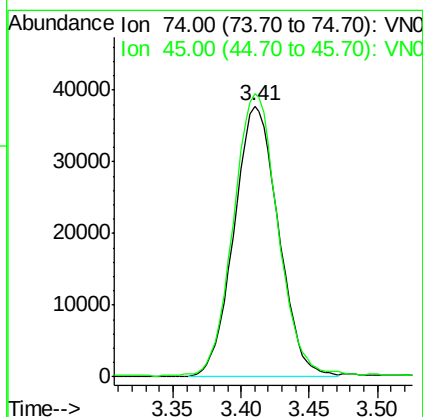
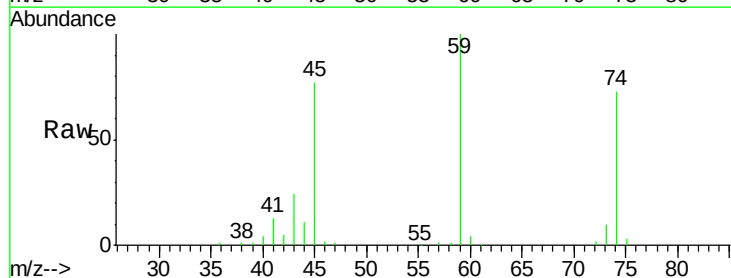
Tot Ion:101 Resp: 229160
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

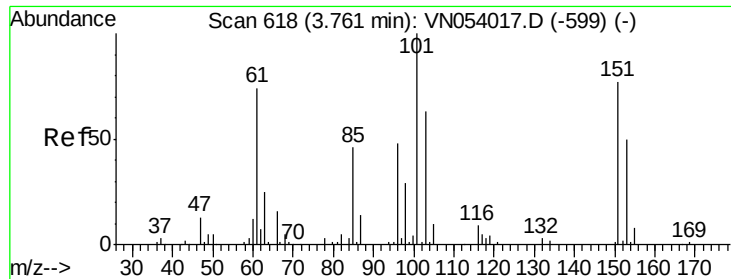


#8

Diethyl Ether
Concen: 20.955 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 74 Resp: 85356
Ion Ratio Lower Upper
74 100
45 104.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.835 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

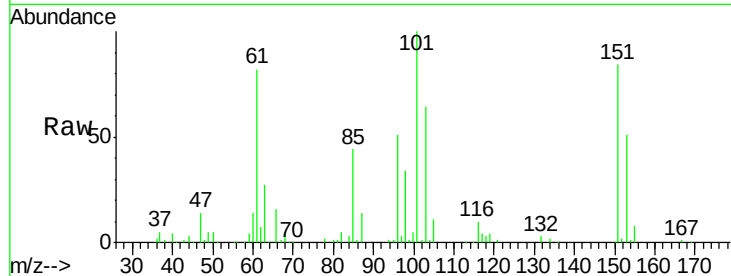
Tot Ion:101 Resp: 145078

Ion Ratio Lower Upper

101 100

85 42.8 0.0 82.6

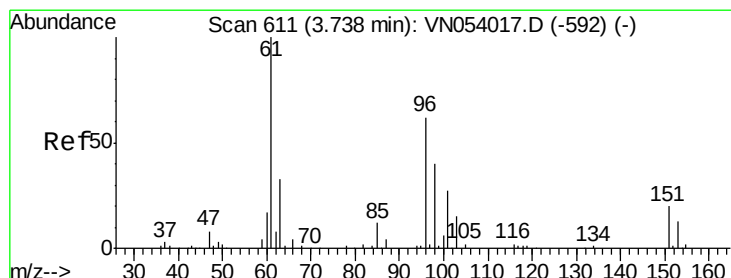
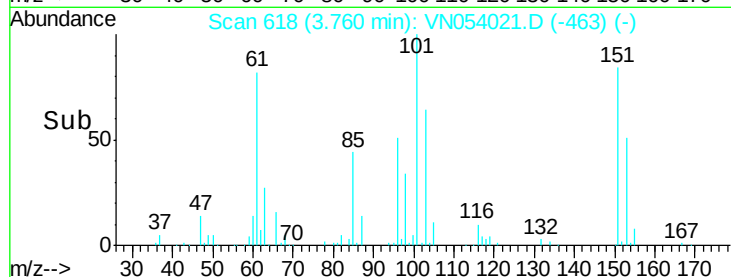
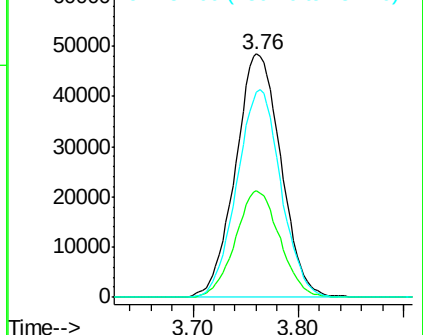
151 82.6 0.0 158.4



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: 20.675 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

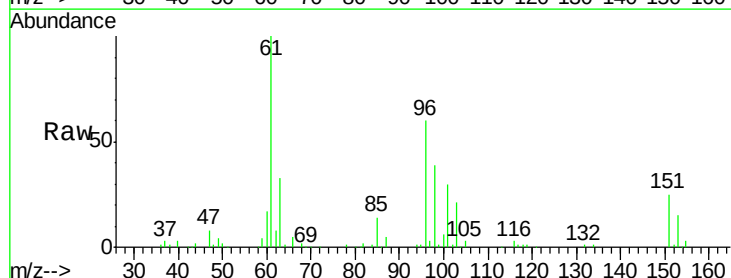
Tgt Ion: 96 Resp: 134889

Ion Ratio Lower Upper

96 100

61 165.8 129.4 194.2

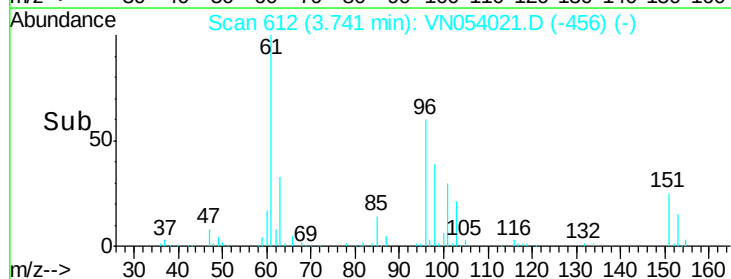
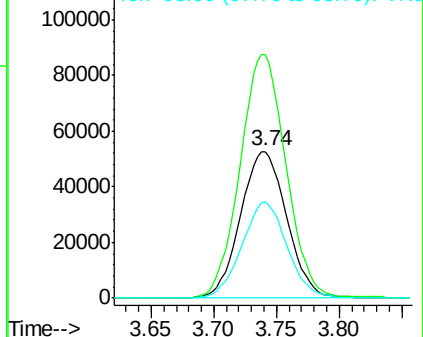
98 65.4 50.4 75.6

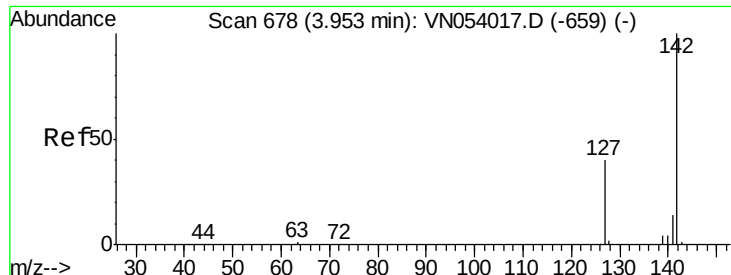


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

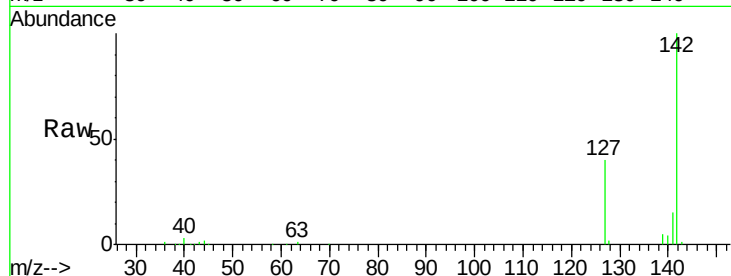




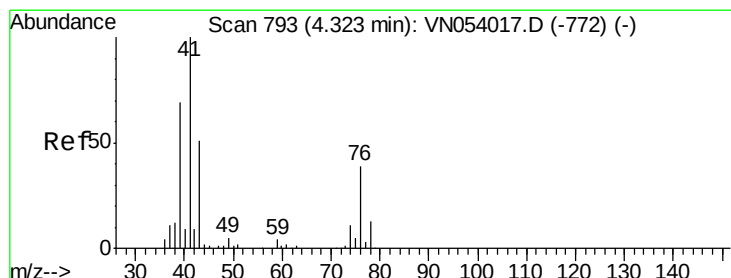
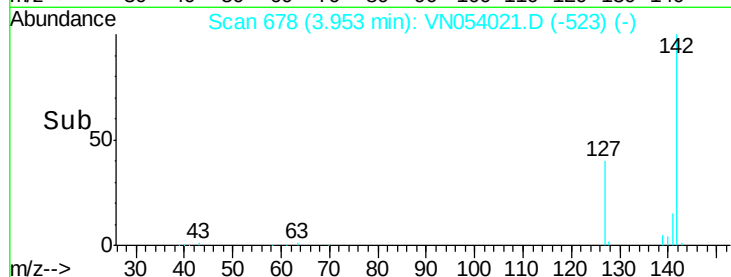
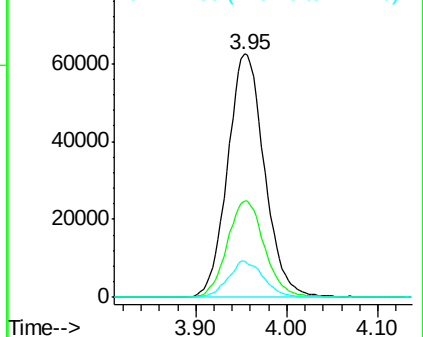
#11
Methvl Iodide
Concen: 18.170 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

Tot Ion:142 Resp: 175841
Ion Ratio Lower Upper
142 100
127 39.5 19.4 58.1
141 14.5 7.2 21.6

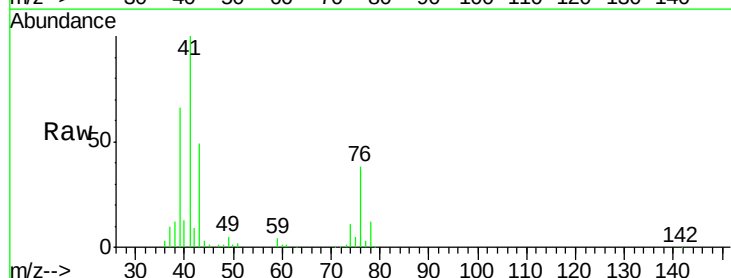


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

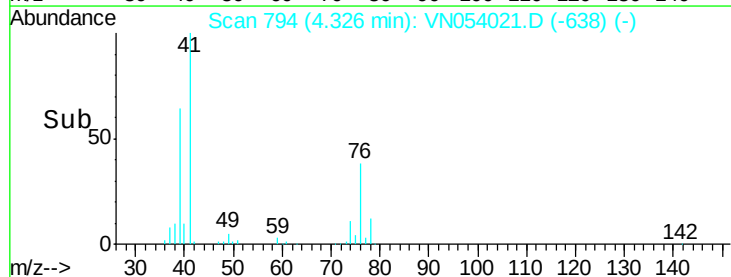
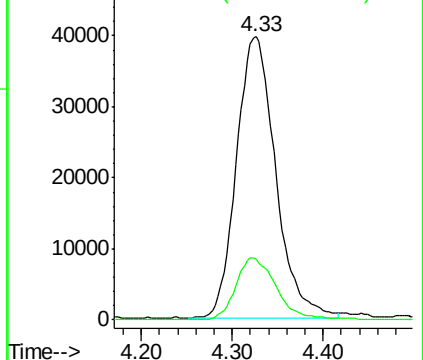


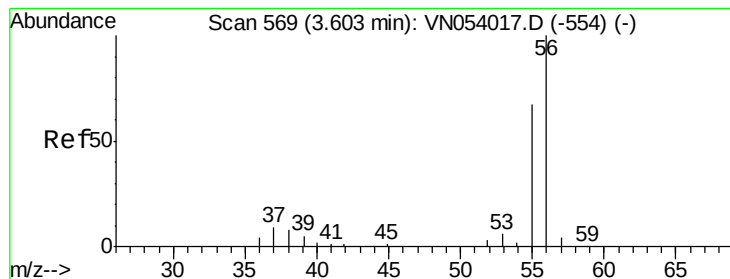
#12
Methyl Acetate
Concen: 21.420 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 43 Resp: 117827
Ion Ratio Lower Upper
43 100
74 21.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 84.612 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

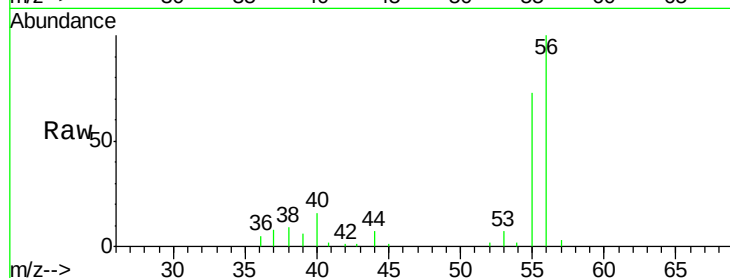
ICVVN030119

Tot Ion: 56 Resp: 41022

Ion Ratio Lower Upper

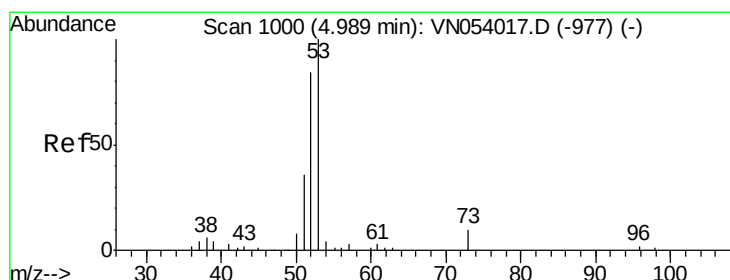
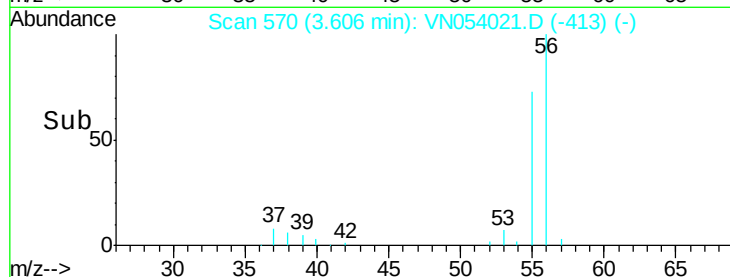
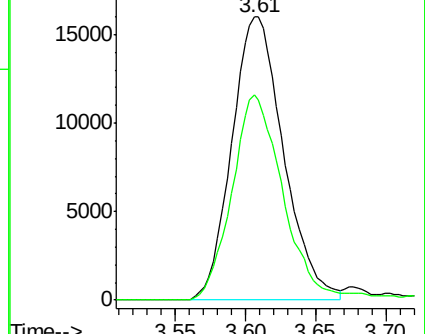
56 100

55 70.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.121 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

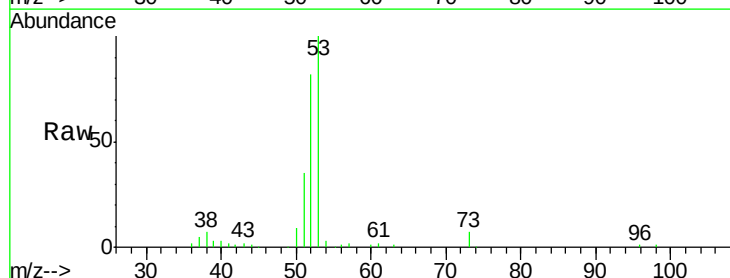
Tgt Ion: 53 Resp: 267306

Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

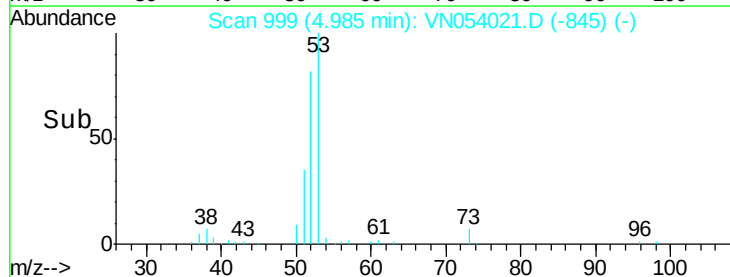
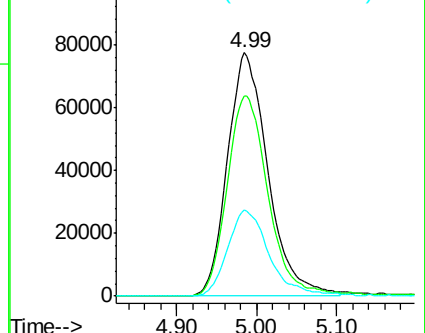
51 36.4 17.6 52.9

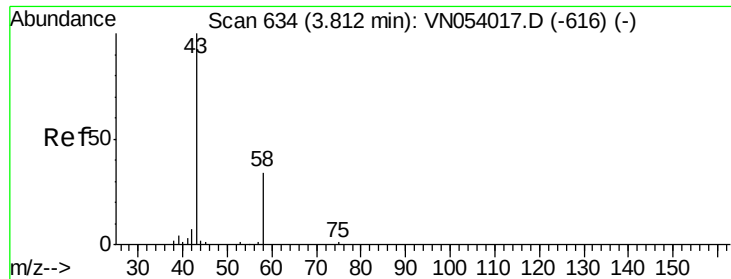


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 105.286 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

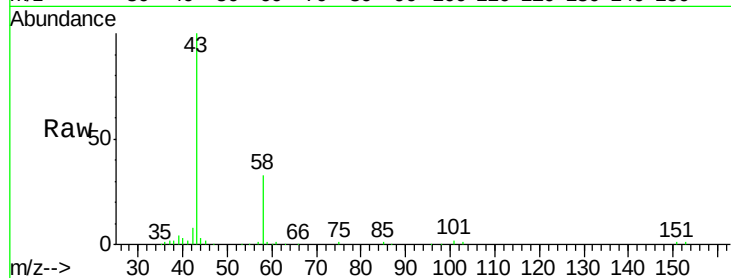
ICVVN030119

Tot Ion: 58 Resp: 80207

Ion Ratio Lower Upper

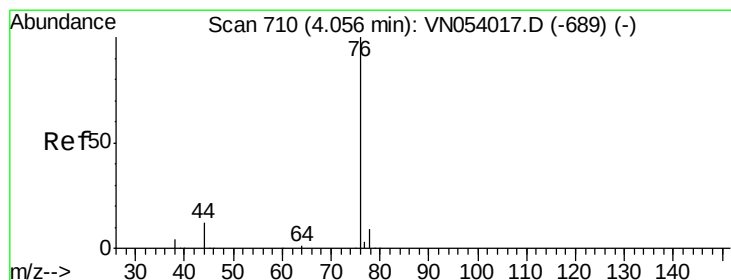
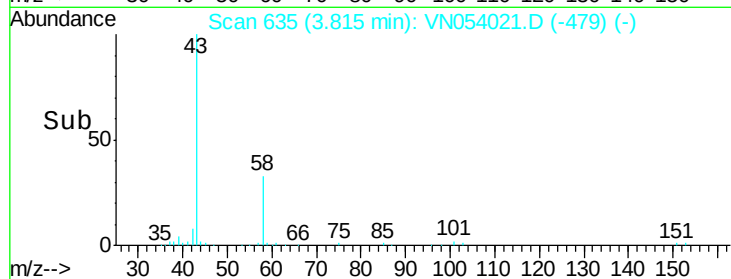
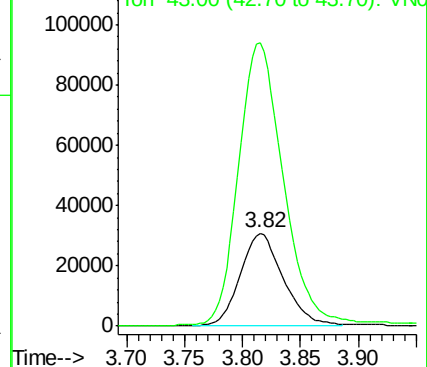
58 100

43 301.4 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.868 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054021.D

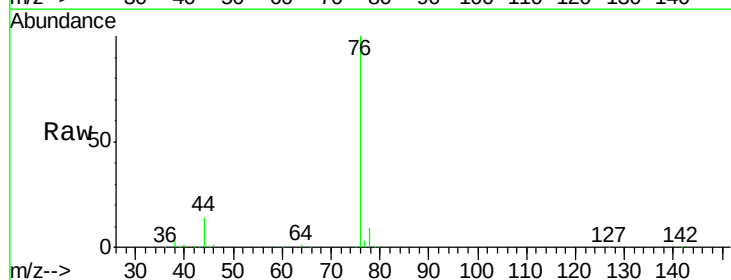
Acq: 1 Mar 2019 11:23

Tgt Ion: 76 Resp: 441732

Ion Ratio Lower Upper

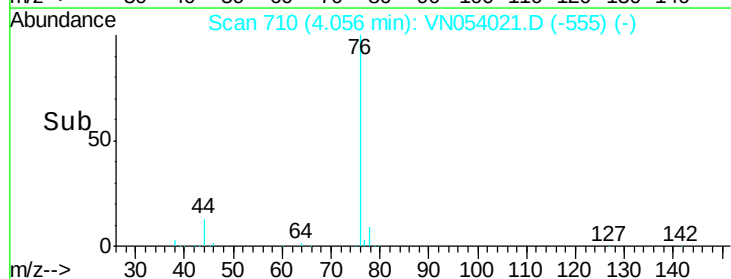
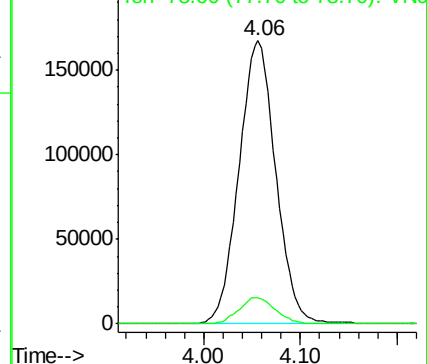
76 100

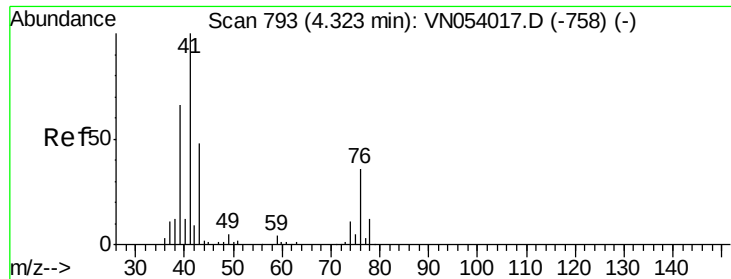
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

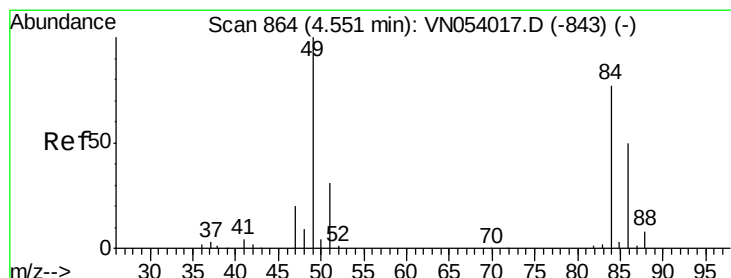
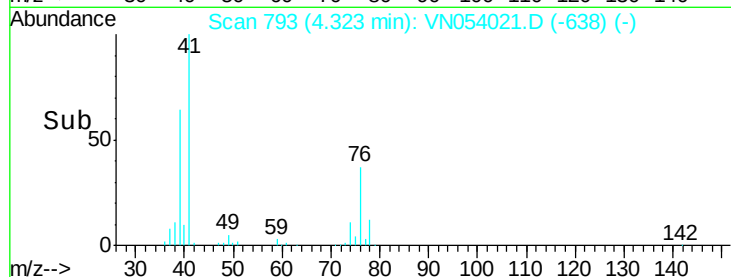
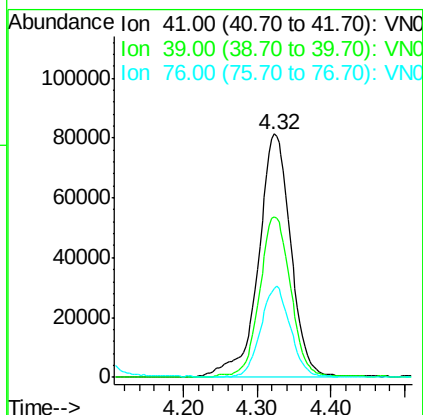
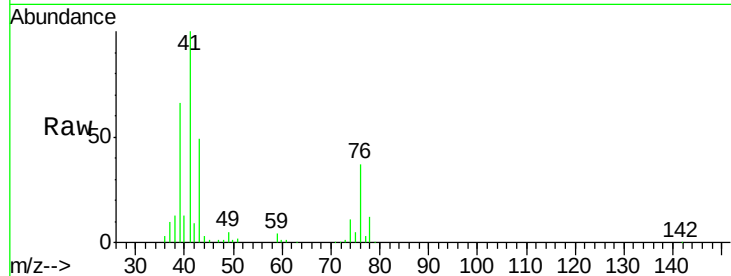




#17
Allvl chloride
Concen: 21.563 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

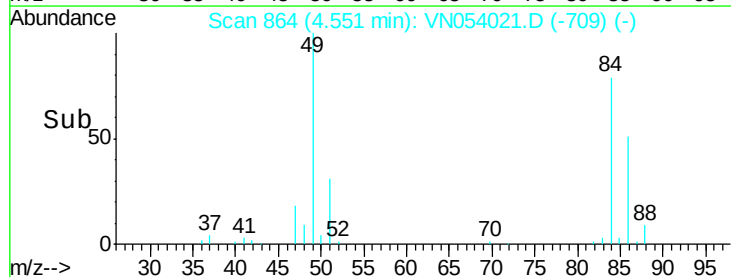
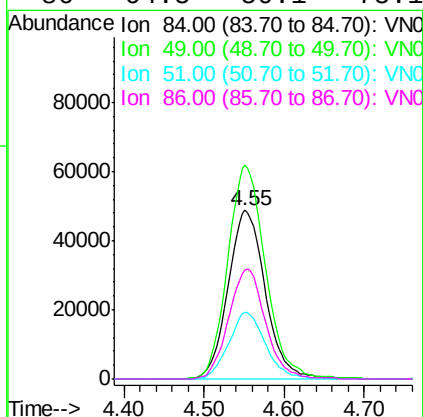
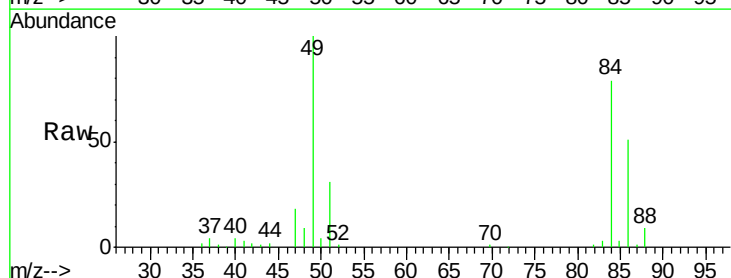
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

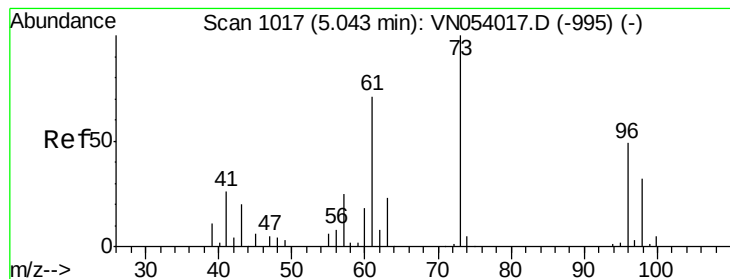
Tot Ion: 41 Resp: 248804
Ion Ratio Lower Upper
41 100
39 65.8 32.8 98.3
76 36.4 18.6 55.8



#18
Methylene Chloride
Concen: 20.470 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 84 Resp: 154215
Ion Ratio Lower Upper
84 100
49 126.2 101.4 152.0
51 39.8 31.7 47.5
86 64.5 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 20.901 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

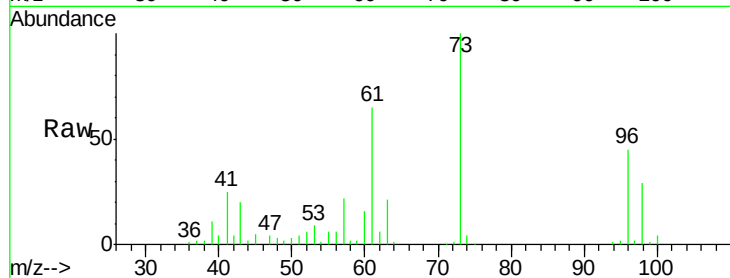
Tot Ion: 96 Resp: 147935

Ion Ratio Lower Upper

96 100

61 144.7 118.2 177.4

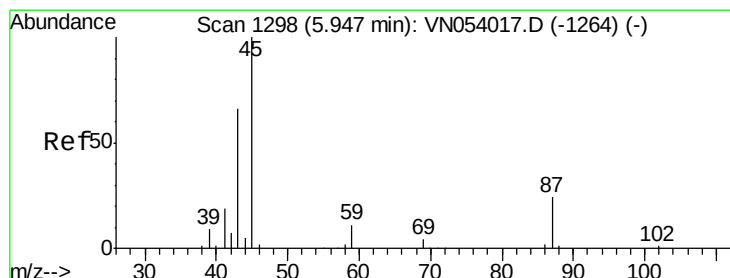
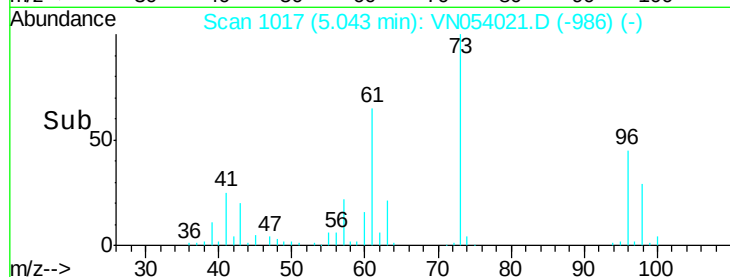
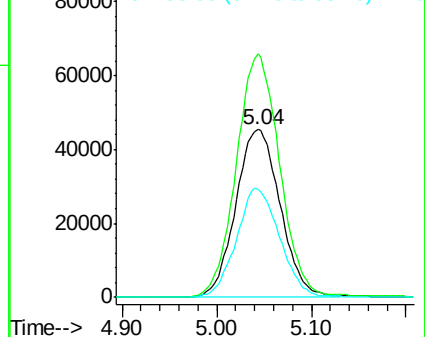
98 64.5 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.630 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion: 45 Resp: 476177

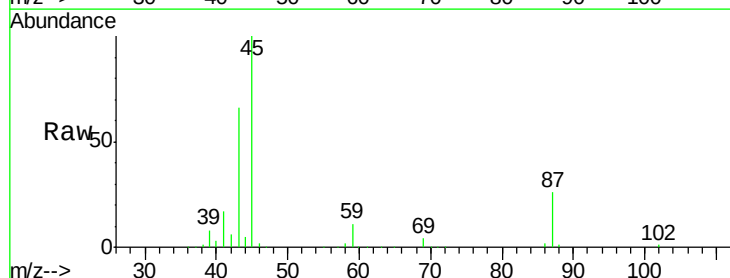
Ion Ratio Lower Upper

45 100

43 63.2 47.8 71.8

87 24.8 21.3 31.9

59 10.6 8.9 13.3

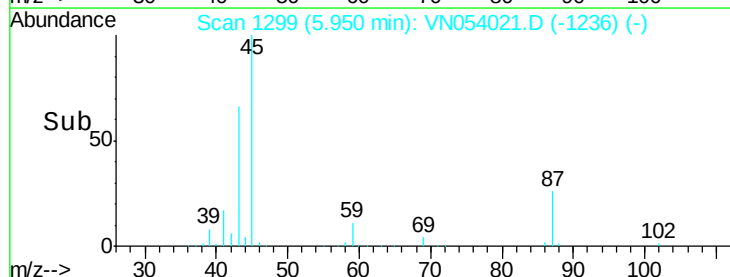
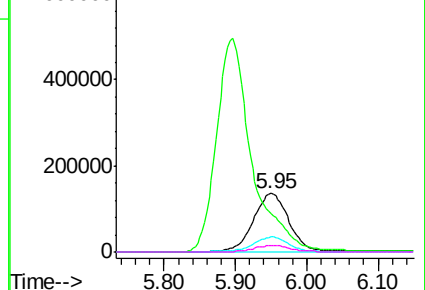


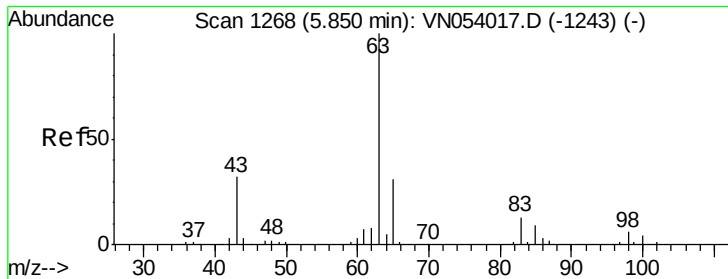
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

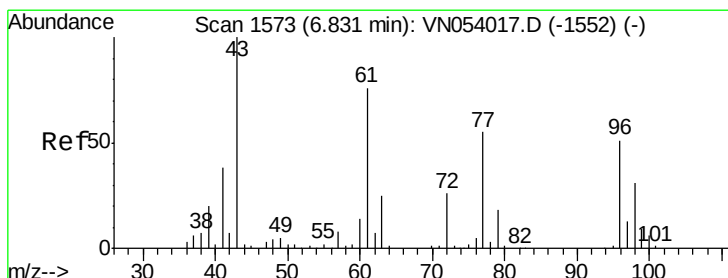
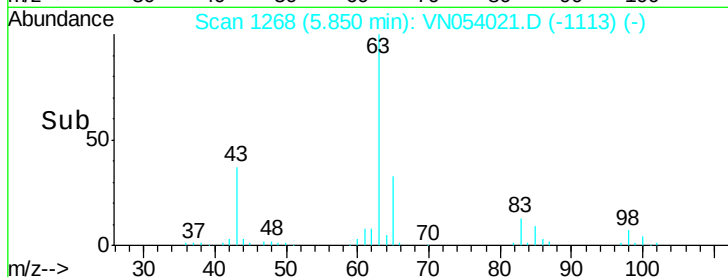
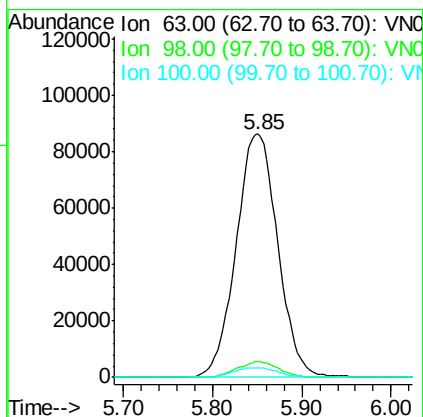
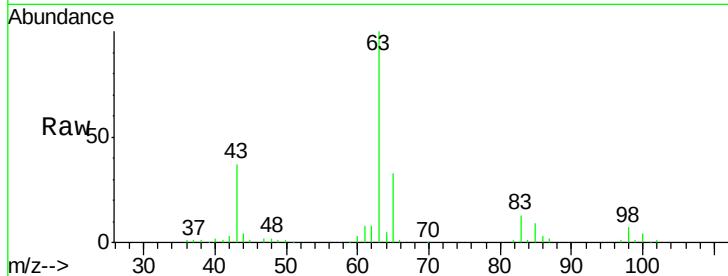




#21
 1,1-Dichloroethane
 Concen: 20.434 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

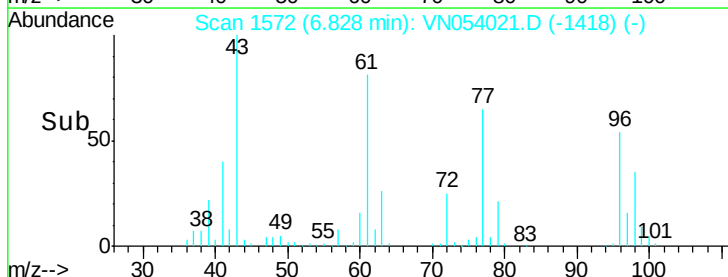
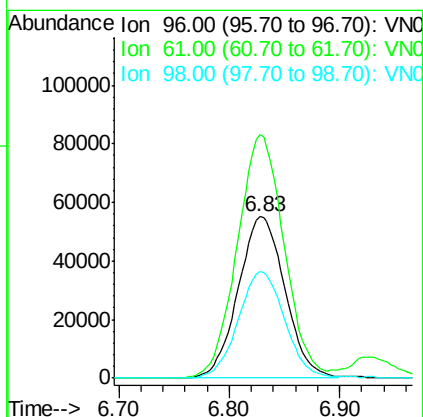
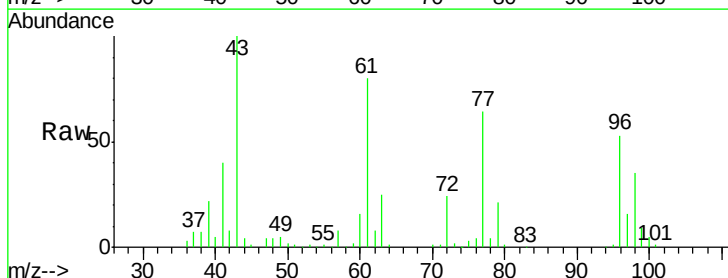
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

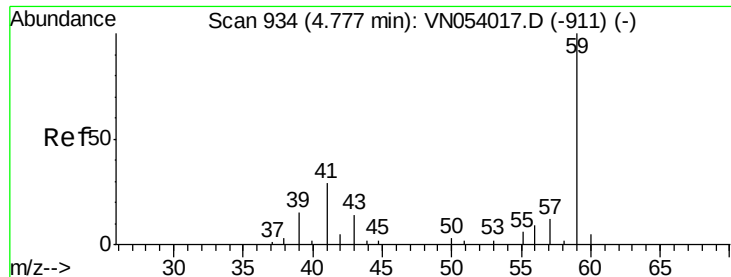
Tot Ion	63	Resp	278547
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	3.8	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.532 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	96	Resp	161779
Ion	Ratio	Lower	Upper
96	100		
61	150.9	116.7	175.1
98	65.7	50.8	76.2



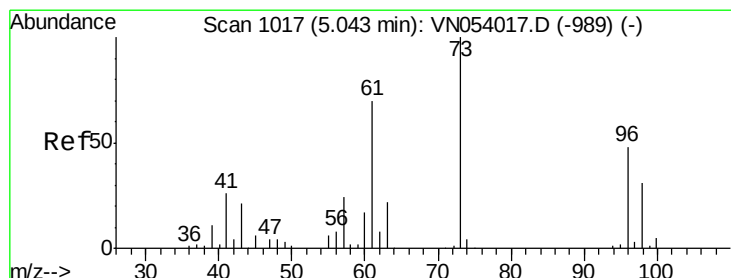
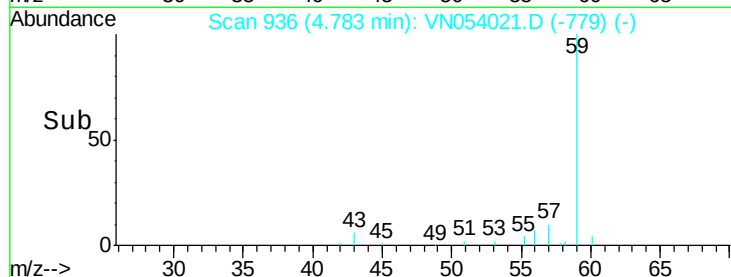
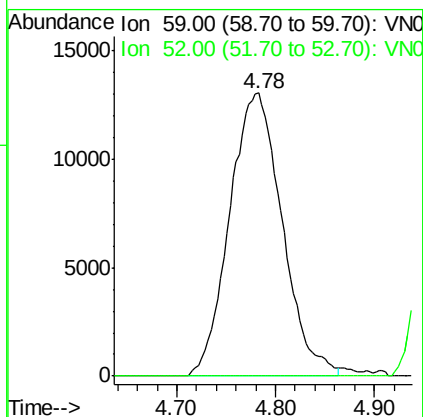
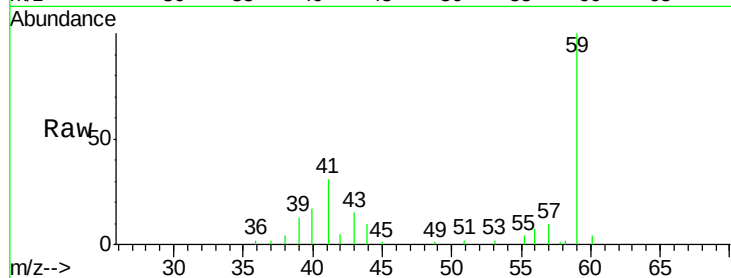


#23

tert-Butyl Alcohol
 Concen: 102.055 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

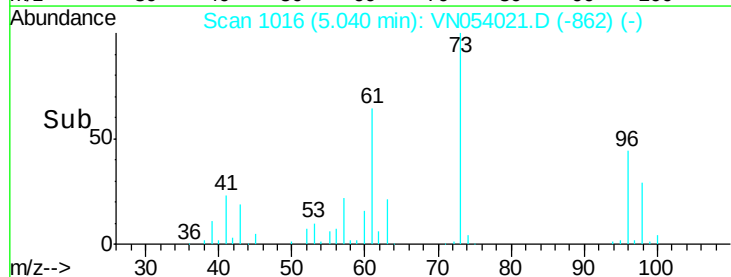
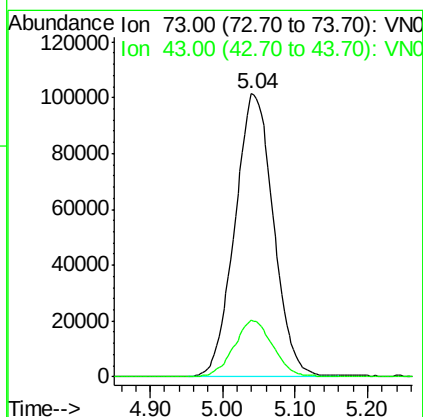
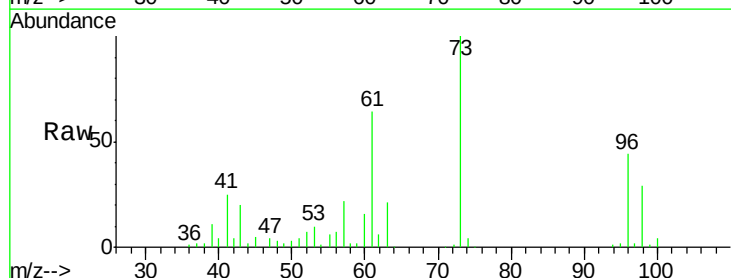
Tot Ion: 59 Resp: 48320
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

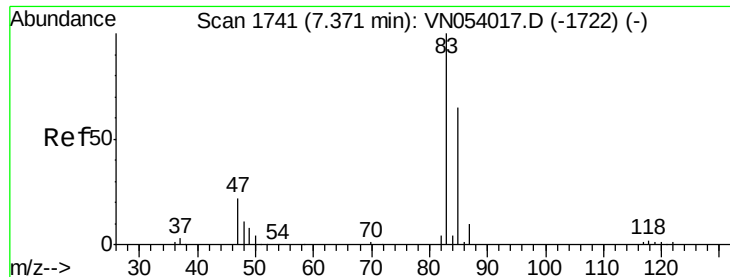


#24

Methyl tert-Butyl Ether
 Concen: 21.324 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 73 Resp: 376619
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.8 23.8

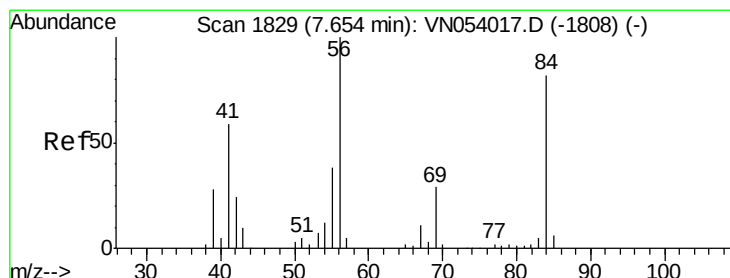
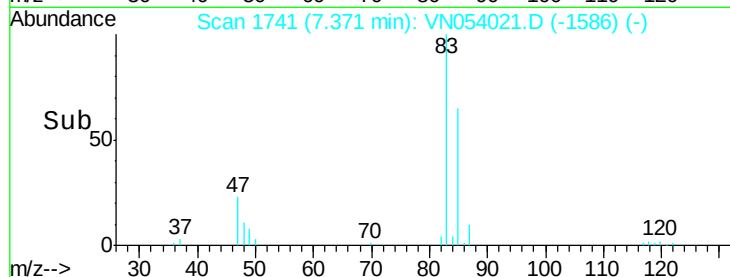
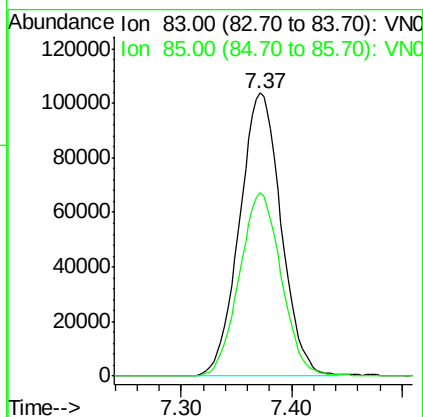
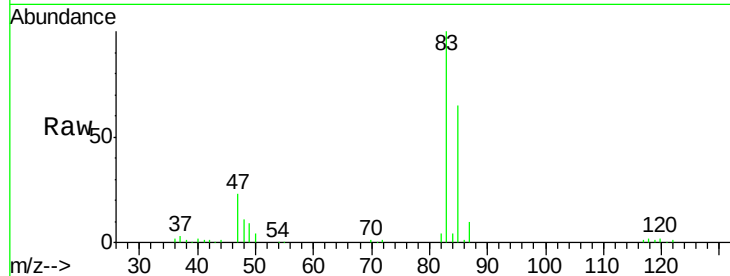




#25
Chloroform
Concen: 20.623 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

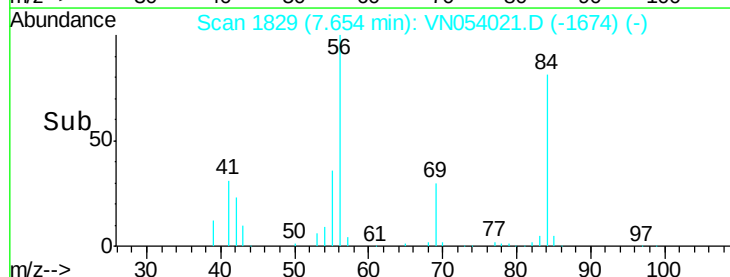
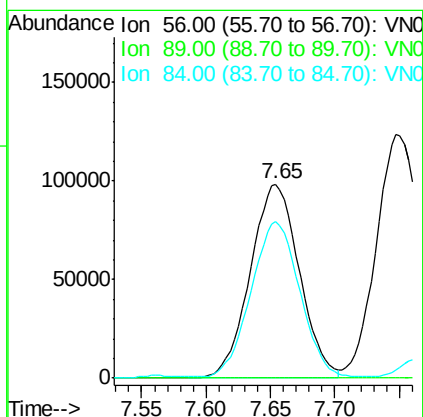
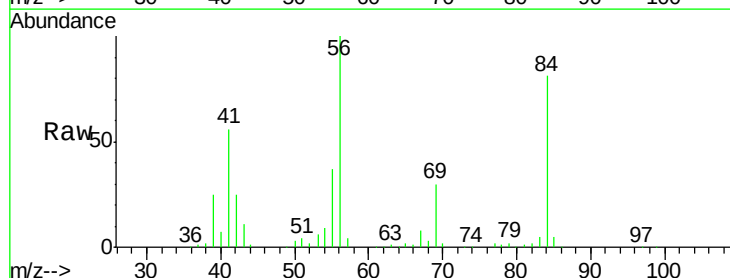
Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

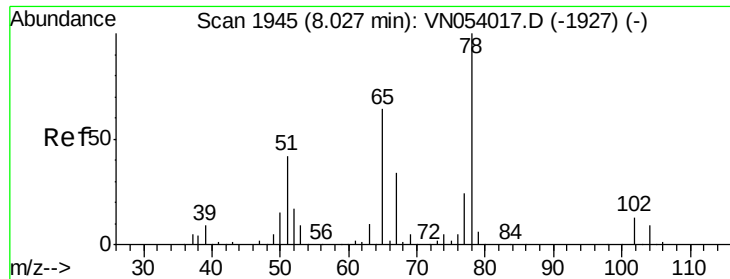
Tot Ion: 83 Resp: 271242
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5



#26
Cyclohexane
Concen: 20.990 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 56 Resp: 260394
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 79.6 66.2 99.2

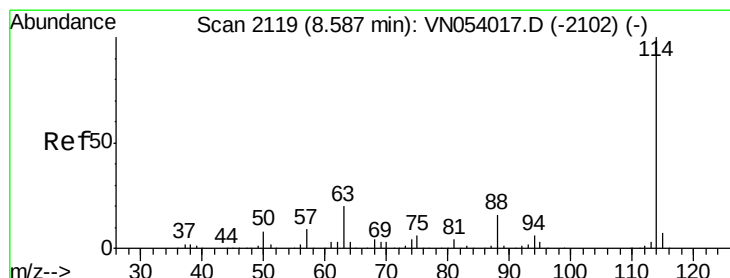
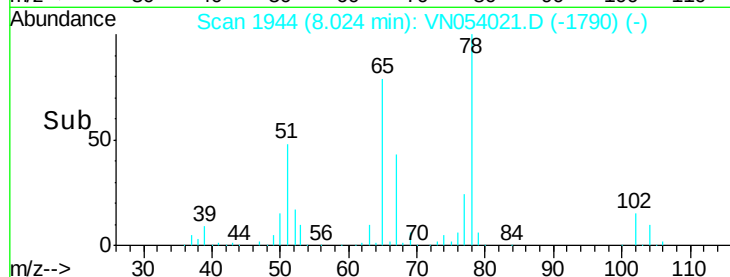
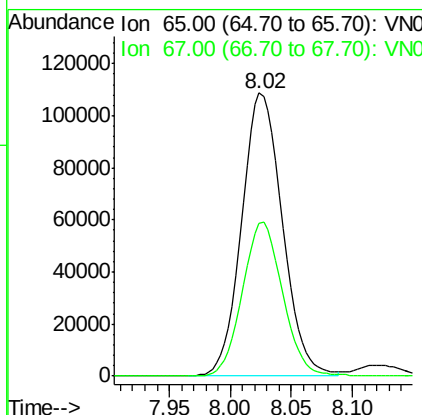
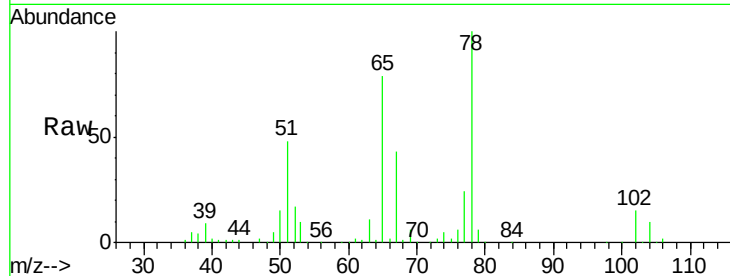




#27
 1,2-Dichloroethane-d4
 Concen: 20.990 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

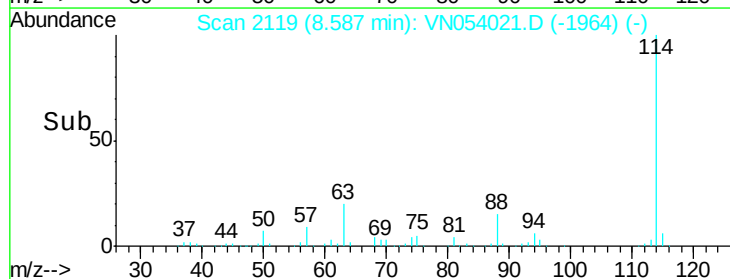
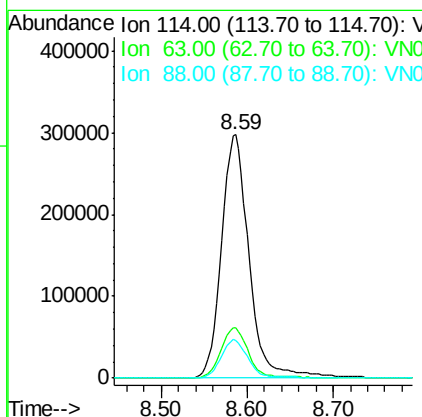
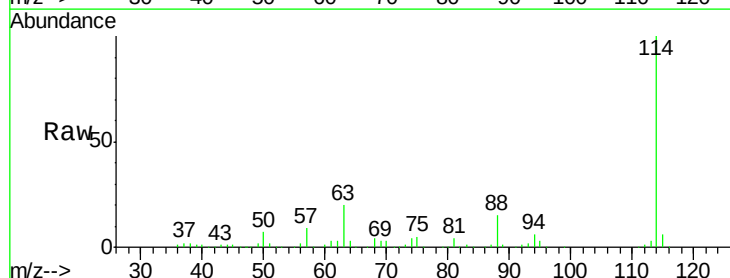
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

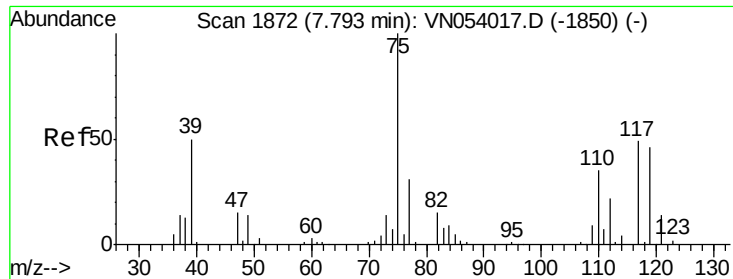
Tot Ion: 65 Resp: 251304
 Ion Ratio Lower Upper
 65 100
 67 53.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 114 Resp: 663116
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.1 12.8 19.2

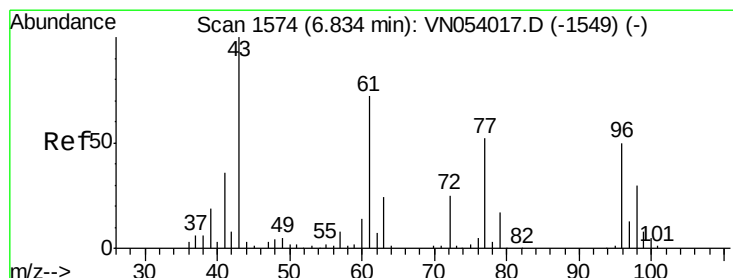
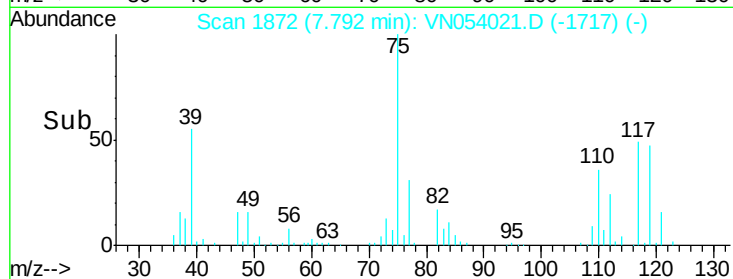
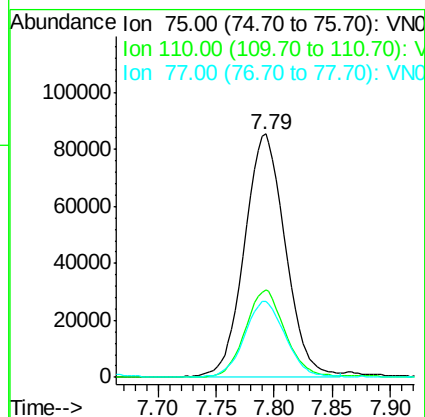
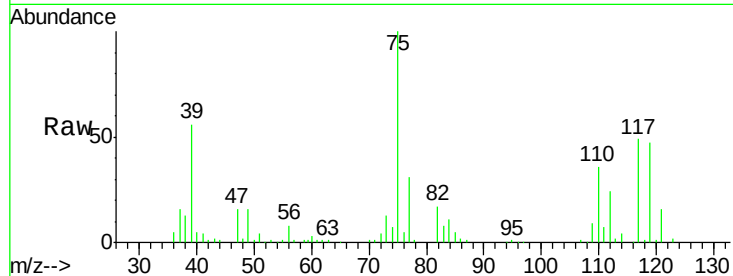




#29
 1,1-Dichloropropene
 Concen: 20.149 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

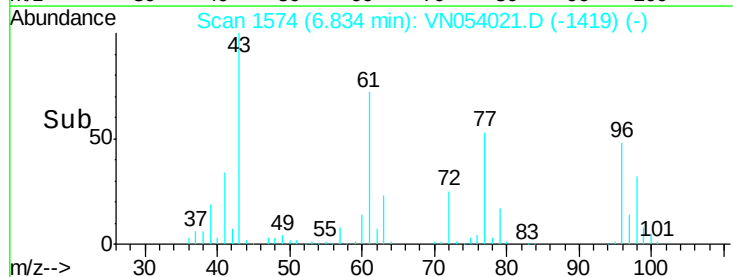
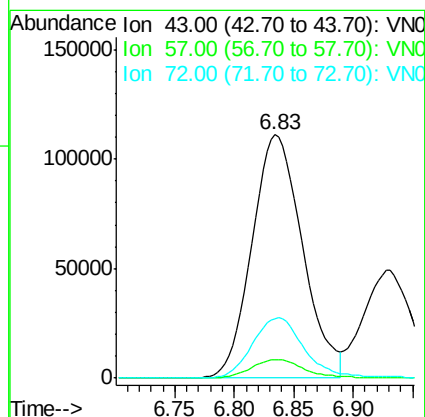
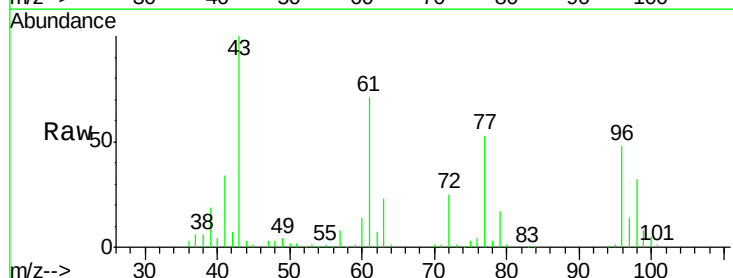
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

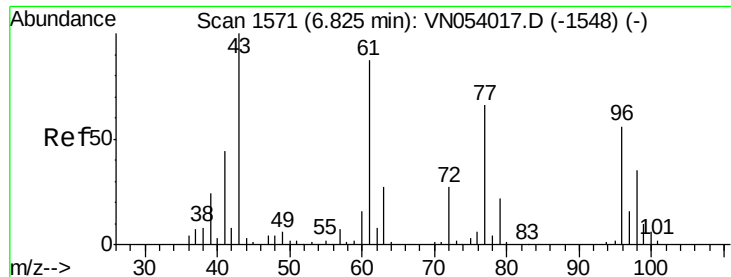
Tot Ion: 75 Resp: 209283
 Ion Ratio Lower Upper
 75 100
 110 35.2 0.0 70.2
 77 31.5 0.0 62.6



#30
 2-Butanone
 Concen: 99.264 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 43 Resp: 325541
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.2 9.4
 72 25.9 21.0 31.6

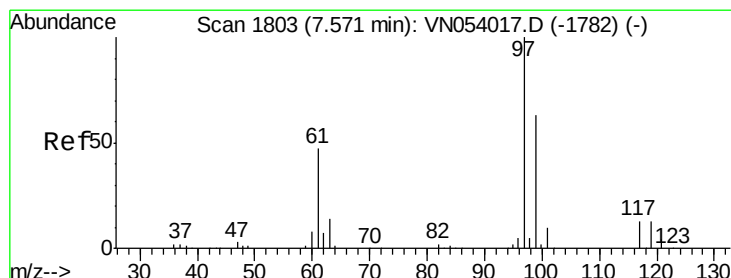
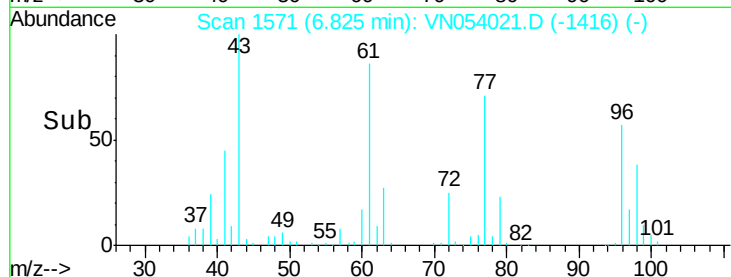
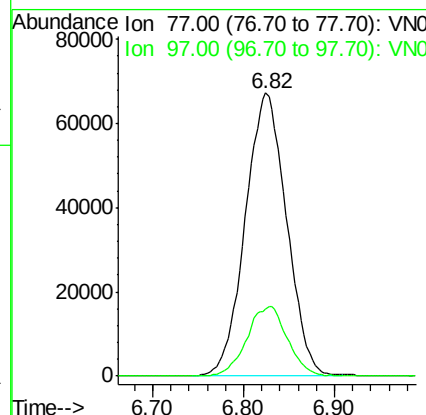
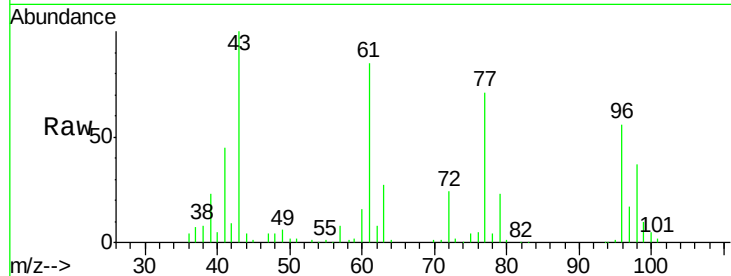




#31
 2,2-Dichloropropane
 Concen: 20.662 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

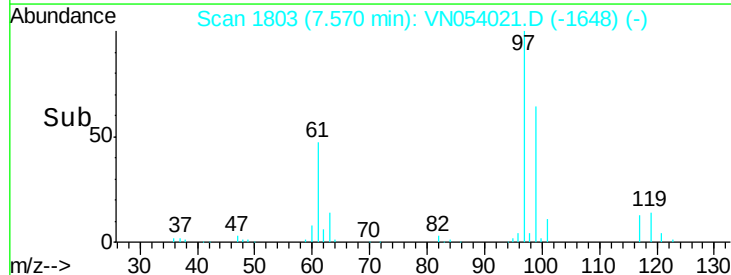
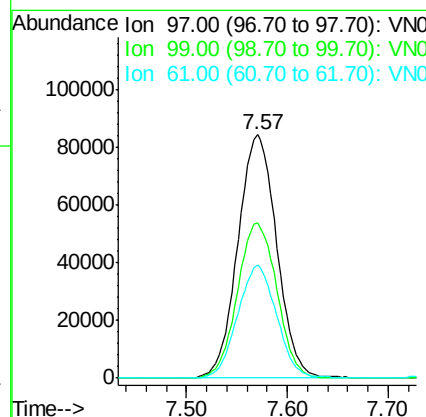
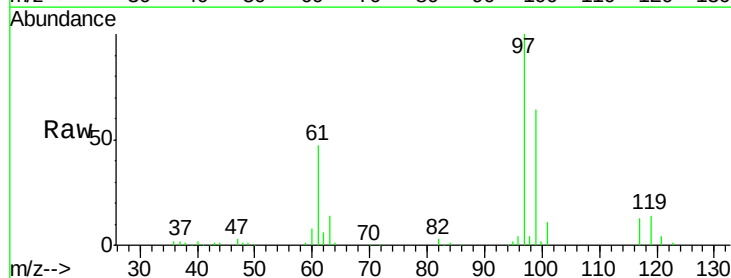
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

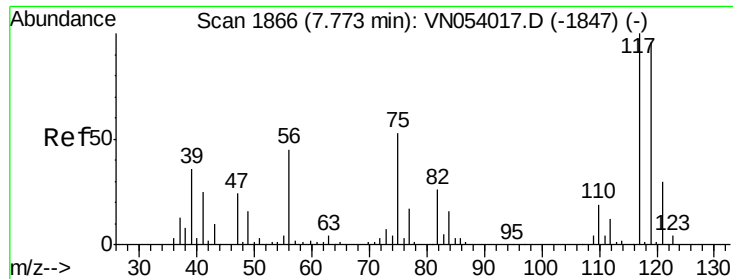
Tot Ion: 77 Resp: 211623
 Ion Ratio Lower Upper
 77 100
 97 0.0 18.7 28.1#



#32
 1,1,1-Trichloroethane
 Concen: 20.195 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 97 Resp: 225627
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.9 76.3
 61 46.5 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.243 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

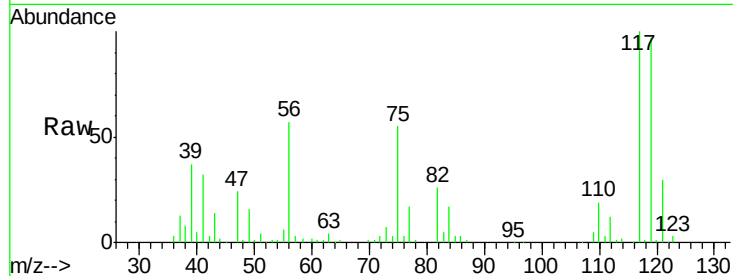
Tot Ion:117 Resp: 200245

Ion Ratio Lower Upper

117 100

119 96.4 77.3 115.9

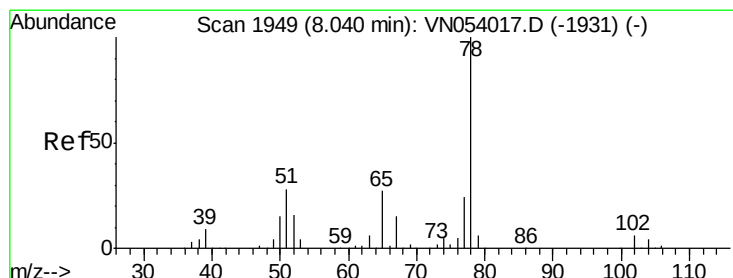
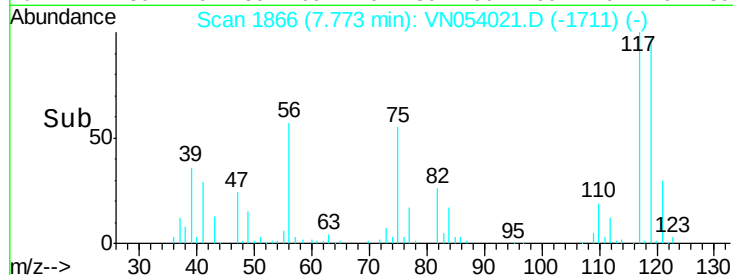
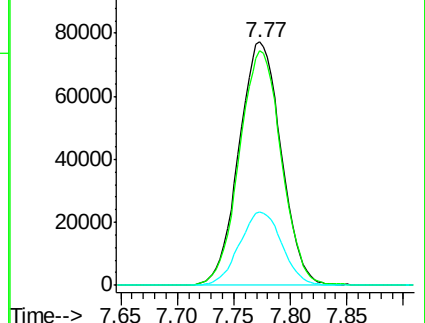
121 30.0 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.089 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

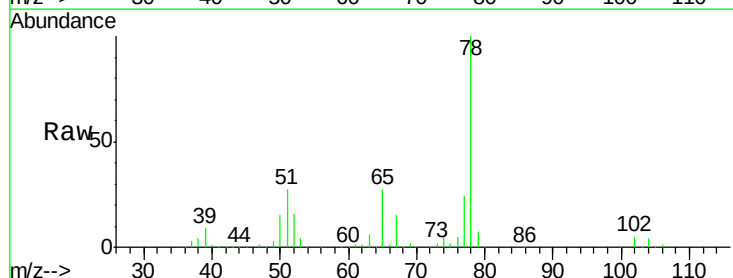
Tgt Ion: 78 Resp: 620121

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

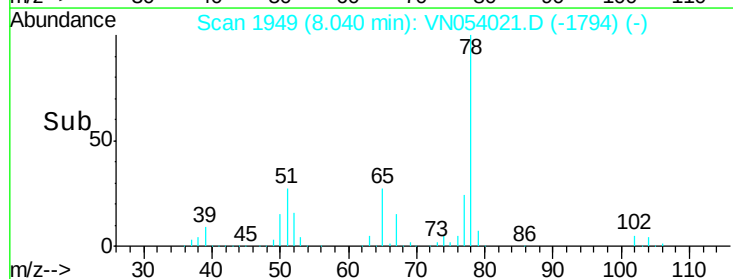
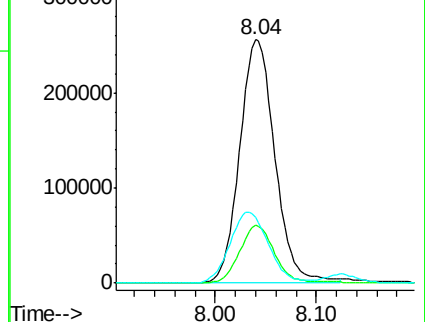
51 27.0 20.5 30.7

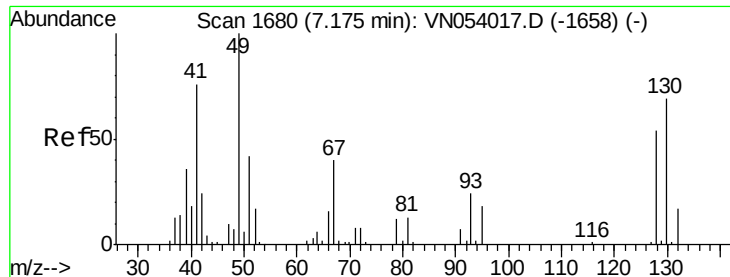


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

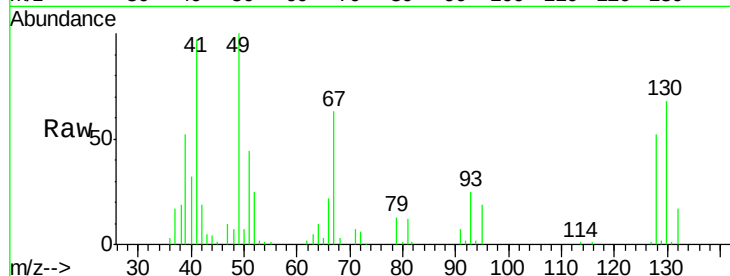




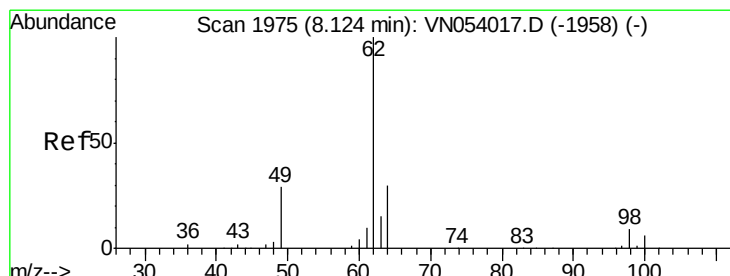
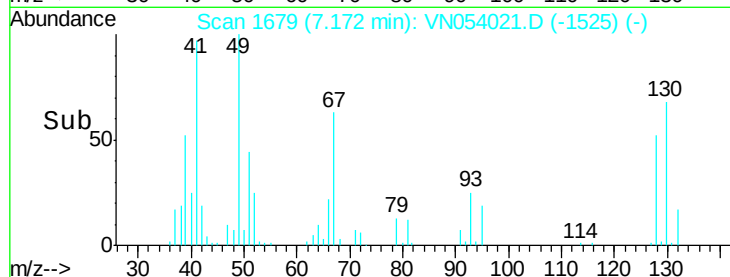
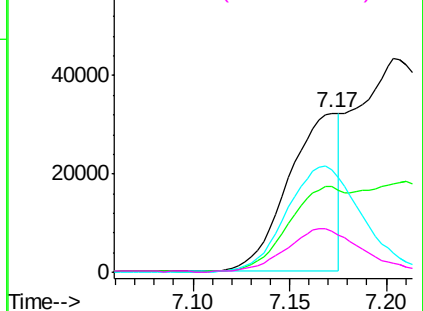
#35
Methacrylonitrile
Concen: 15.890 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

Tot Ion: 41 Resp: 58267
Ion Ratio Lower Upper
41 100
39 54.0 26.6 79.7
67 65.0 32.3 96.9
52 25.3 13.0 38.9

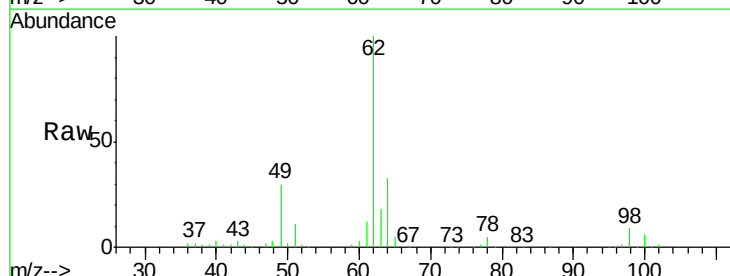


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

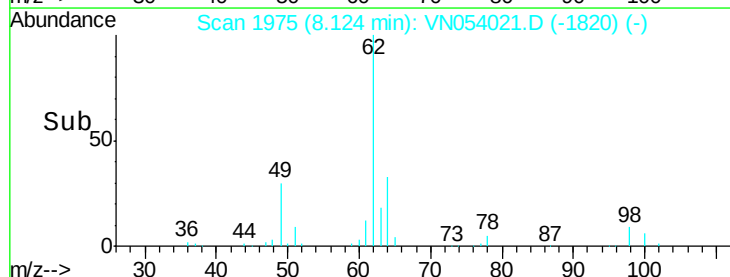
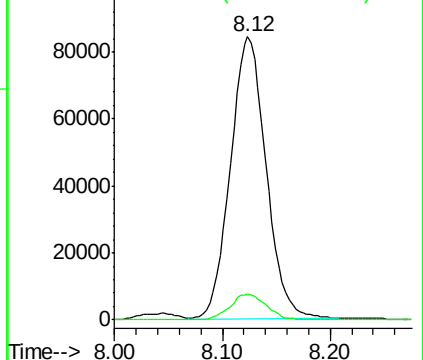


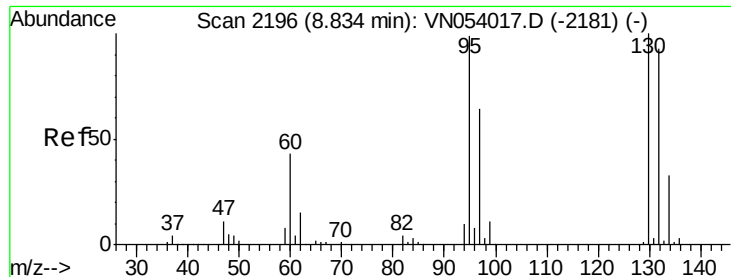
#36
1,2-Dichloroethane
Concen: 19.533 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 62 Resp: 193621
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2



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

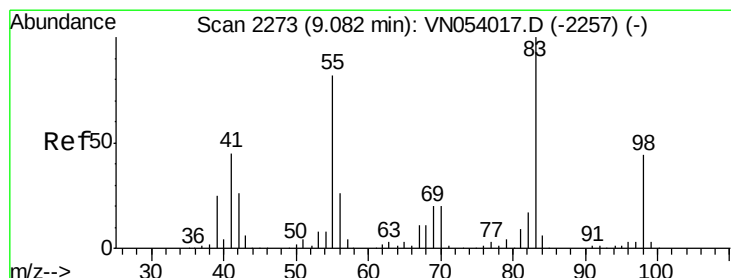
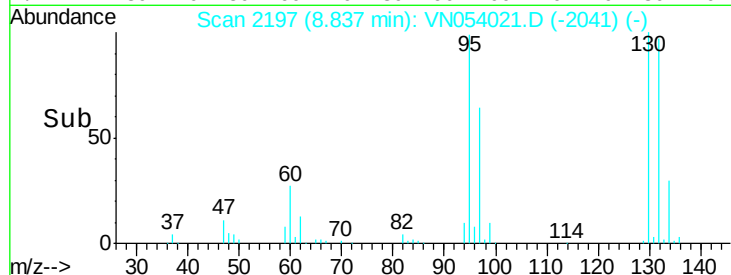
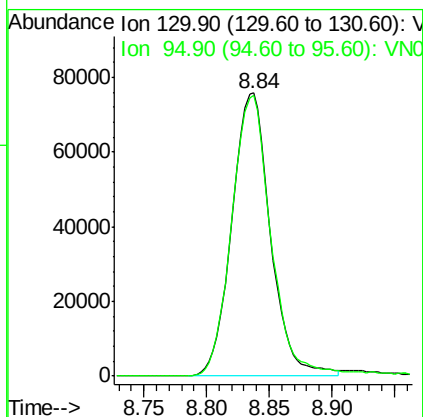
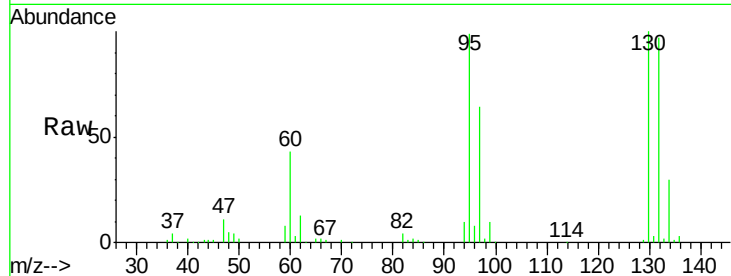




#37
 Trichloroethene
 Concen: 20.176 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

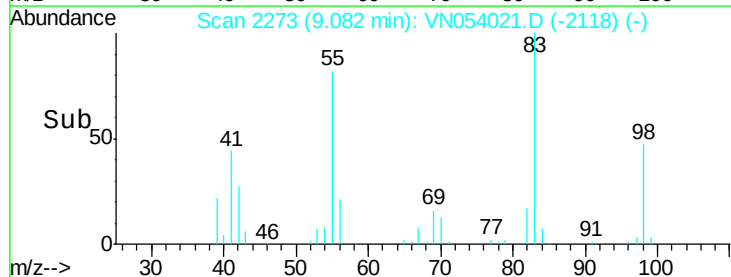
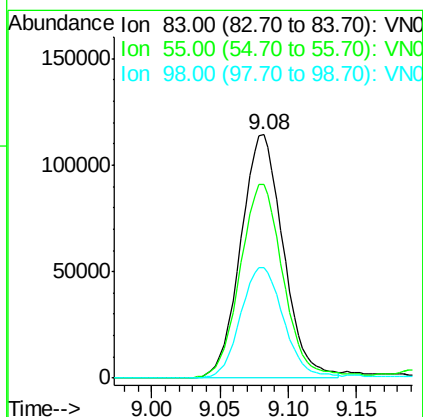
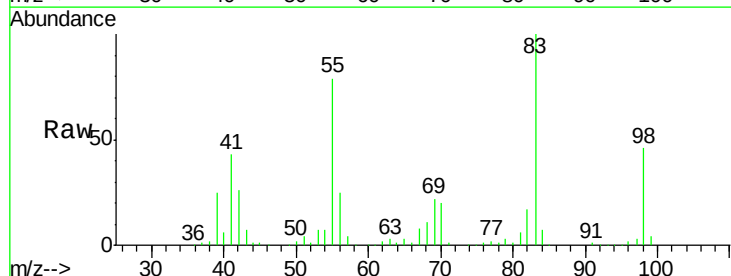
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

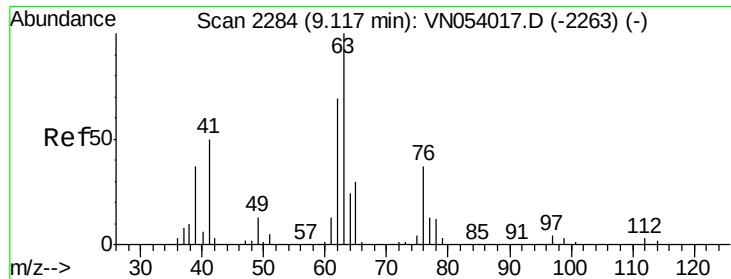
Tot Ion:130 Resp: 162582
 Ion Ratio Lower Upper
 130 100
 95 99.3 81.0 121.4



#38
 Methylcyclohexane
 Concen: 20.189 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 83 Resp: 247505
 Ion Ratio Lower Upper
 83 100
 55 80.9 39.8 119.4
 98 46.1 22.9 68.5

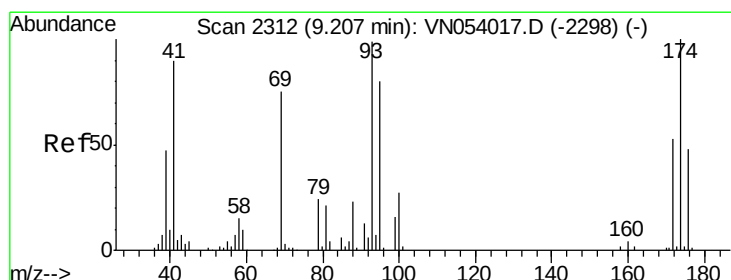
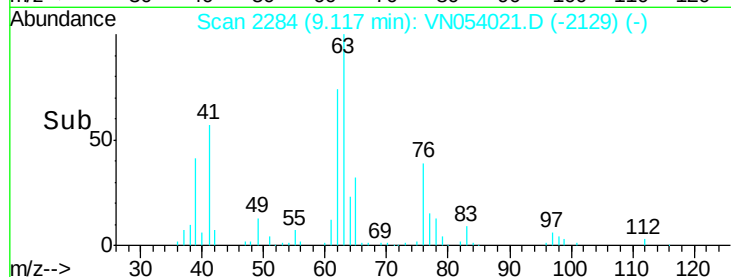
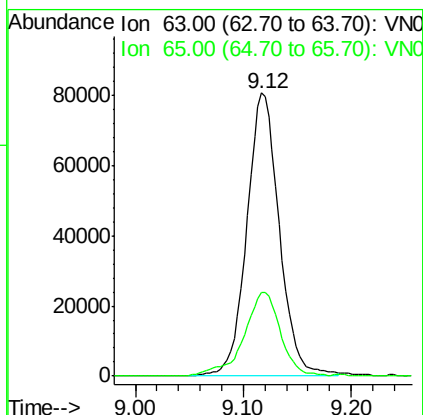
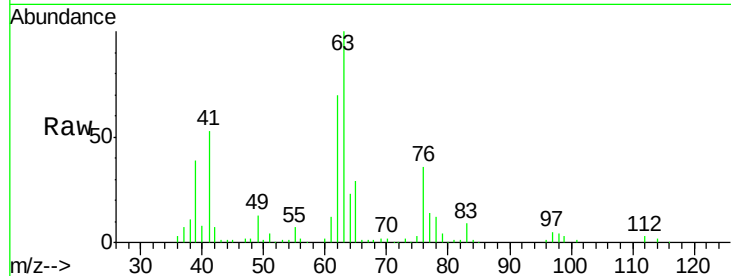




#39
 1,2-Dichloropropane
 Concen: 19.976 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

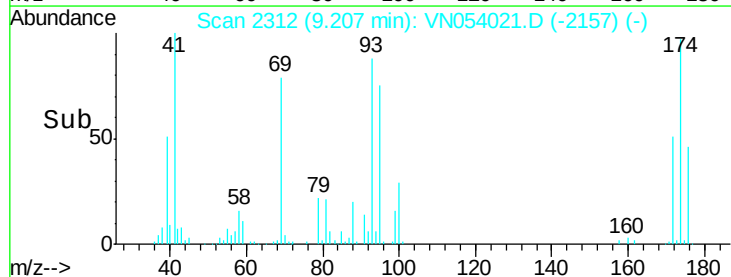
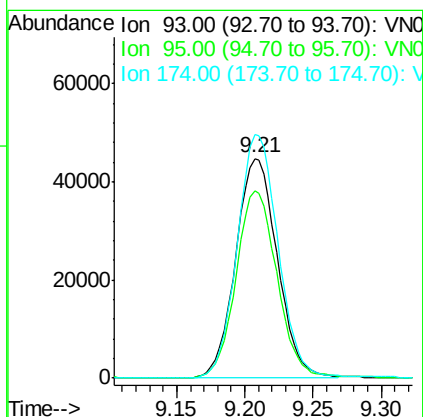
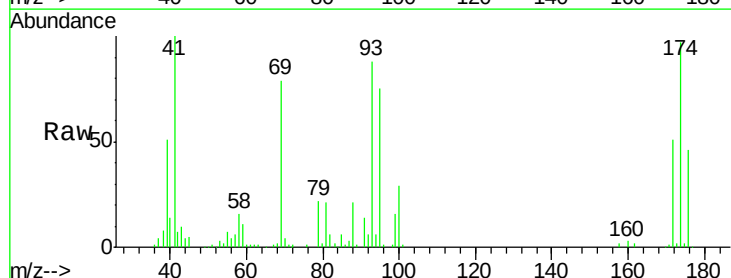
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

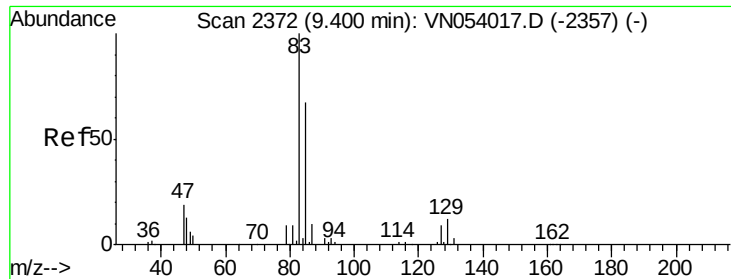
Tot Ion: 63 Resp: 168931
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.6 35.4



#40
 Dibromomethane
 Concen: 19.610 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 93 Resp: 95071
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 168.4
 174 109.0 0.0 210.0





#41

Bromodichloromethane

Concen: 19.875 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

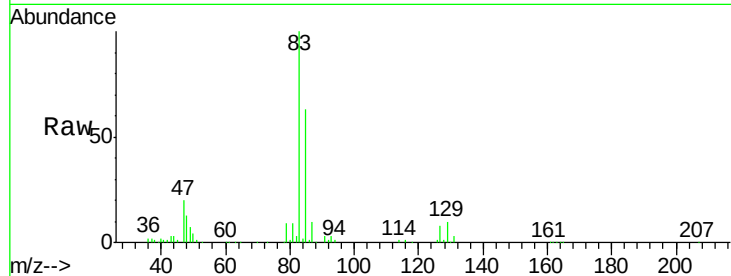
Tot Ion: 83 Resp: 204439

Ion Ratio Lower Upper

83 100

85 63.0 52.4 78.6

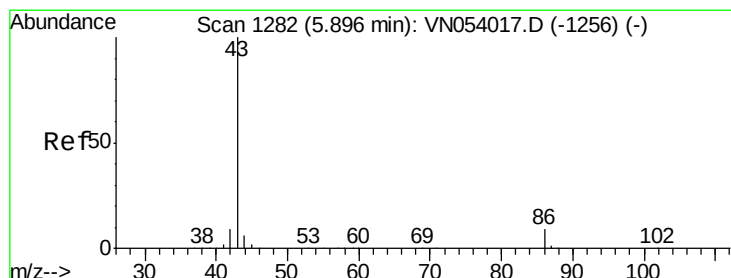
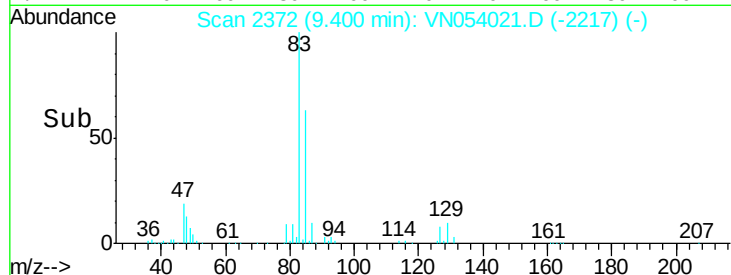
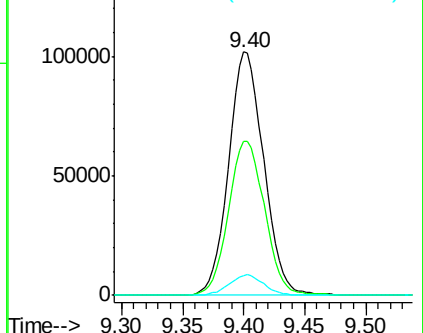
127 8.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 101.230 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054021.D

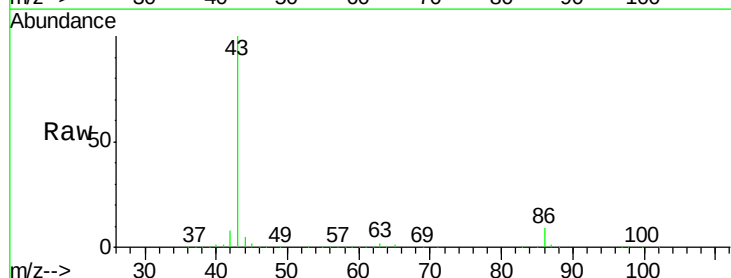
Acq: 1 Mar 2019 11:23

Tgt Ion: 43 Resp: 1715134

Ion Ratio Lower Upper

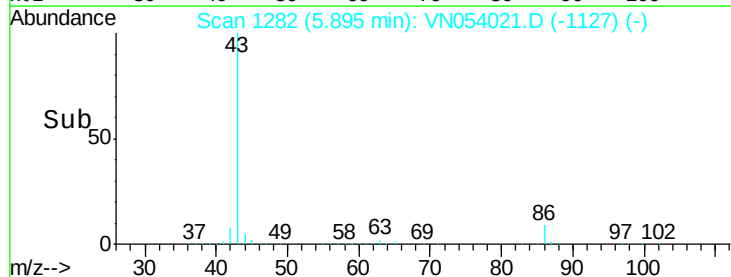
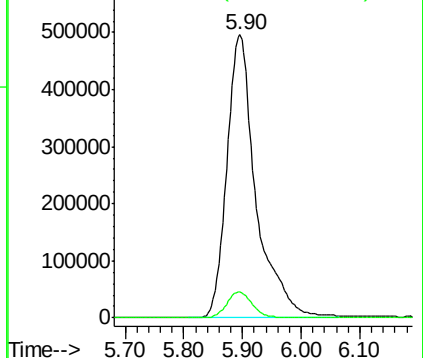
43 100

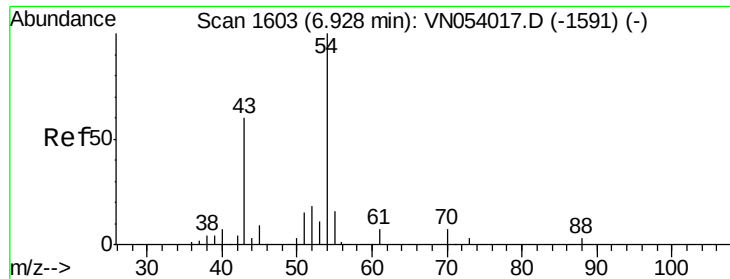
86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

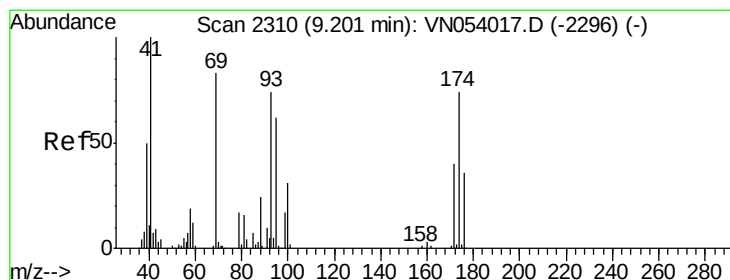
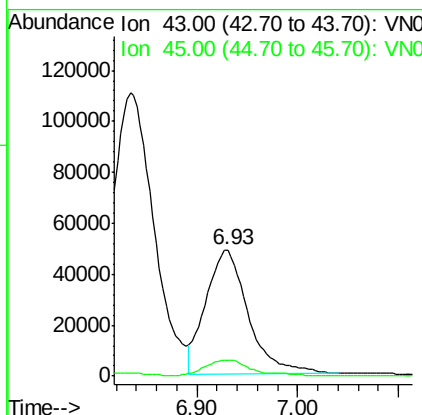
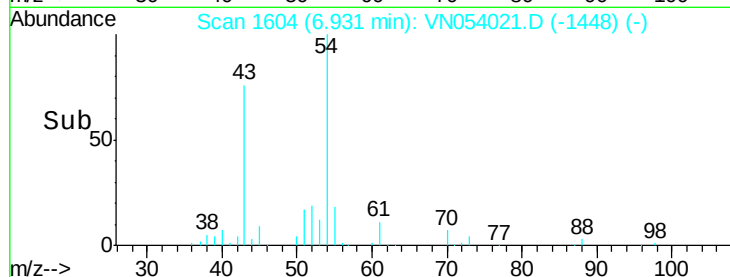
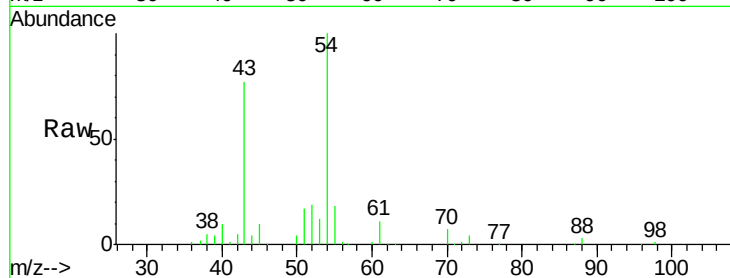




#43
Ethyl Acetate
Concen: 20.818 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

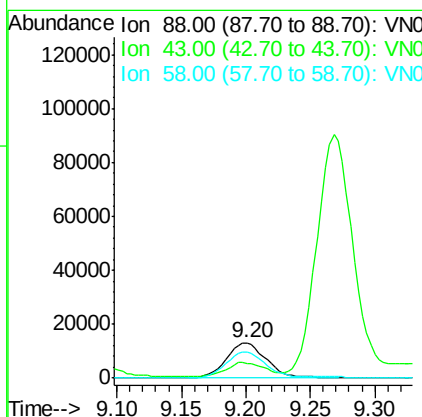
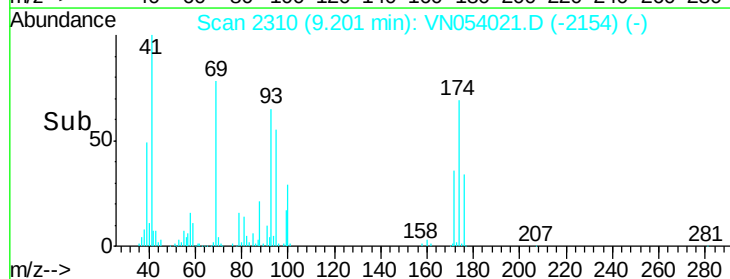
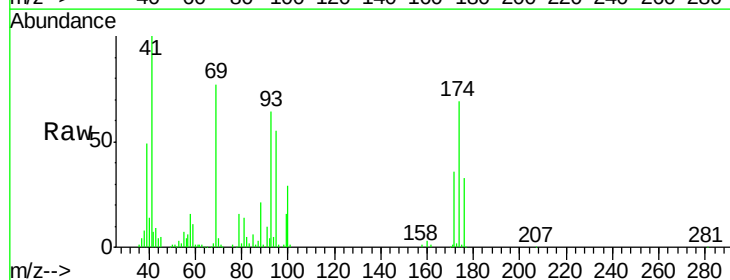
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

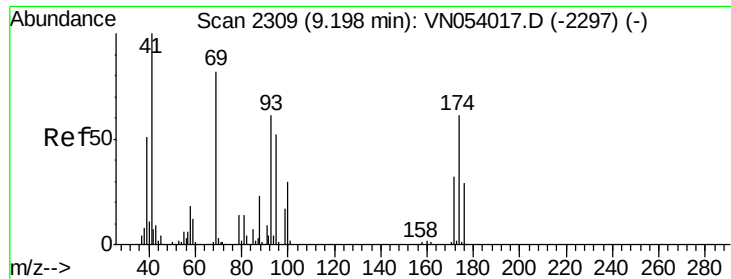
Tot Ion: 43 Resp: 143004
Ion Ratio Lower Upper
43 100
45 11.5 1.0 1.6#



#45
1,4-Dioxane
Concen: 400.271 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 88 Resp: 28146
Ion Ratio Lower Upper
88 100
43 37.0 29.5 44.3
58 73.7 61.5 92.3

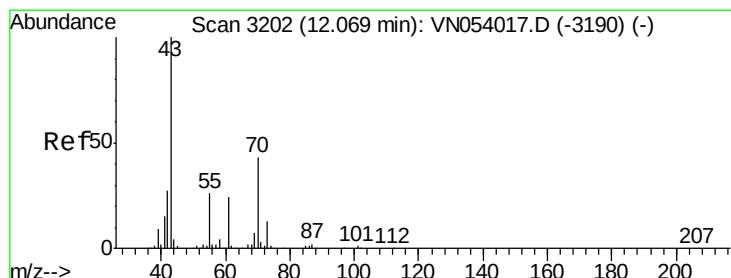
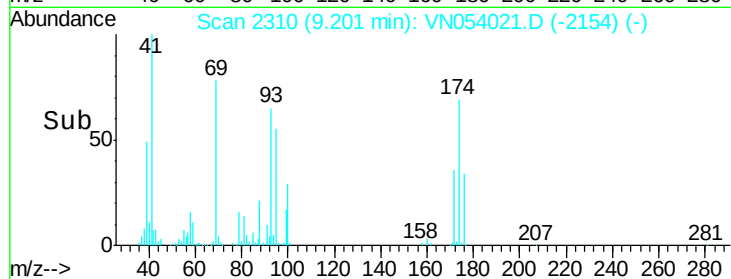
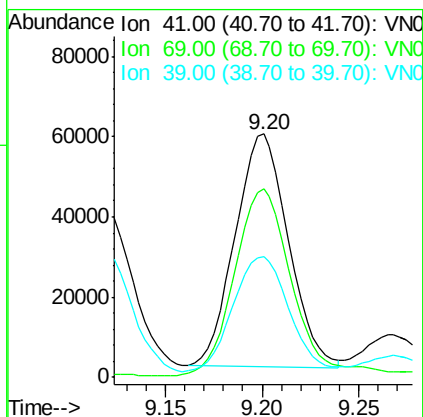
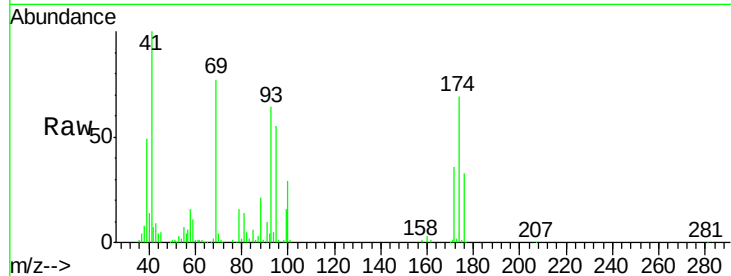




#46
Methvl methacrylate
Concen: 19.196 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

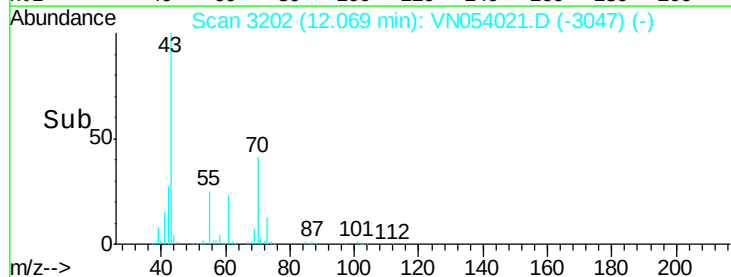
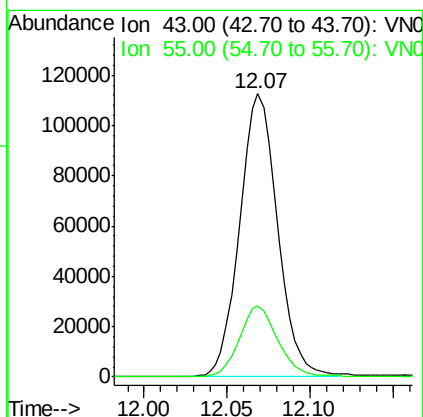
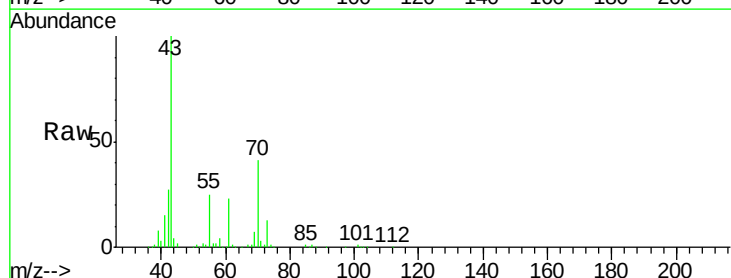
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

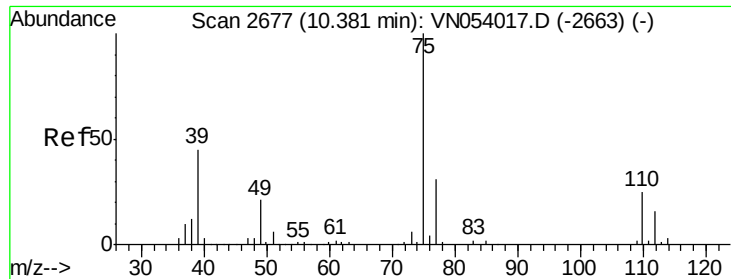
Tot Ion: 41 Resp: 111141
Ion Ratio Lower Upper
41 100
69 79.6 42.5 127.6
39 49.3 26.3 78.9



#47
n-amyI Acetate
Concen: 20.132 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 43 Resp: 178259
Ion Ratio Lower Upper
43 100
55 25.3 21.1 31.7





#48

t-1,3-Dichloropropene

Concen: 19.662 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

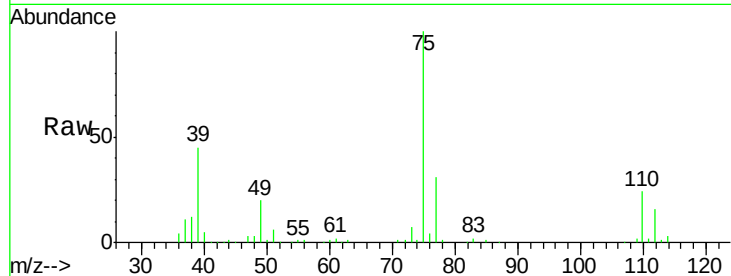
ICVVN030119

Tot Ion: 75 Resp: 202786

Ion Ratio Lower Upper

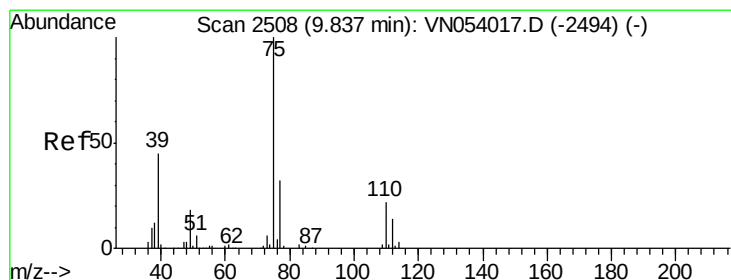
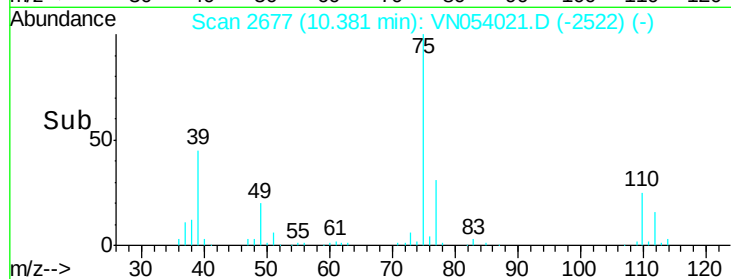
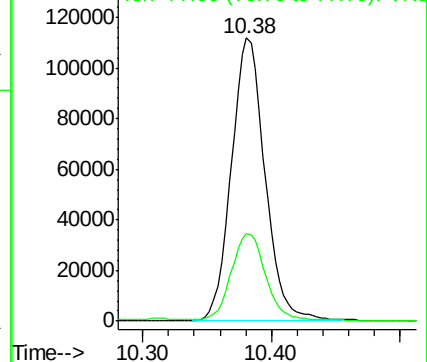
75 100

77 30.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 19.786 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

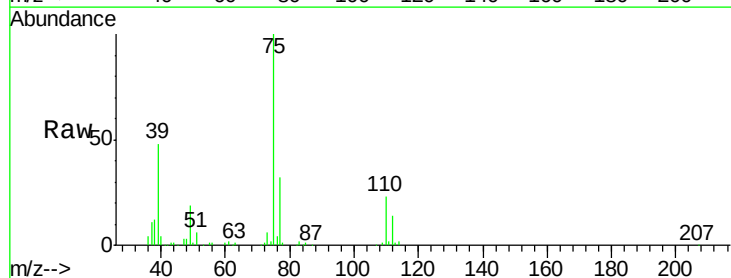
Tgt Ion: 75 Resp: 239630

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

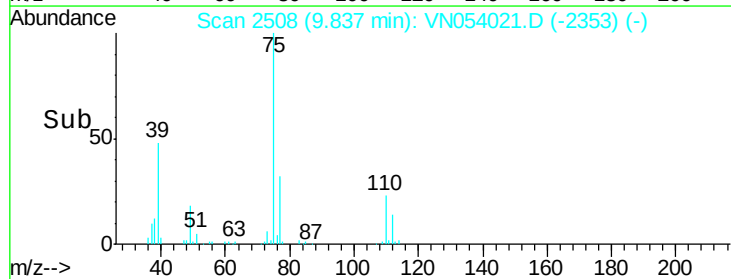
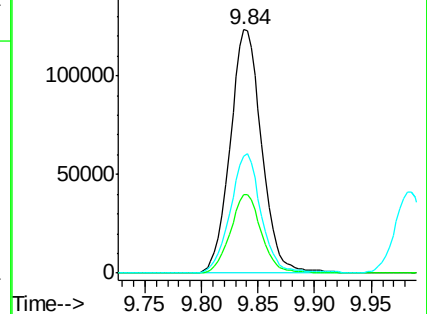
39 48.0 37.3 55.9

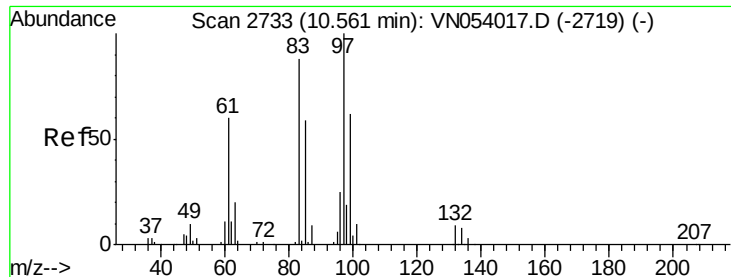


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

1,1,2-Trichloroethane

Concen: 19.734 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

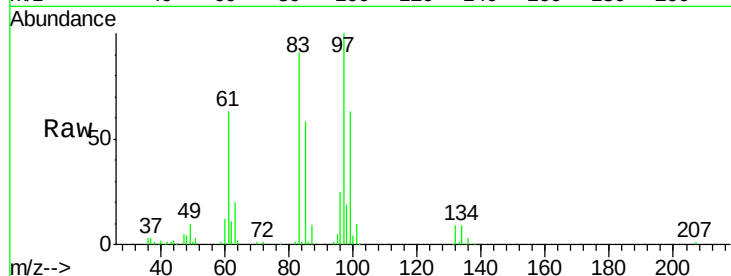
MSVOA_N

ClientSampled :

ICVVN030119

Tot Ion: 97 Resp: 134199

Ion	Ratio	Lower	Upper
97	100		
83	90.9	70.4	105.6
85	57.6	45.0	67.6
99	62.7	50.2	75.2

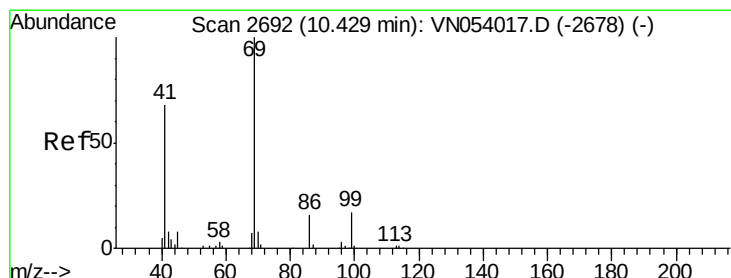
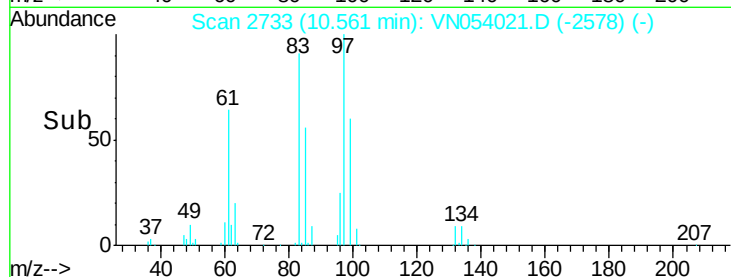


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 19.848 ug/l

RT: 10.43 min Scan# 2692

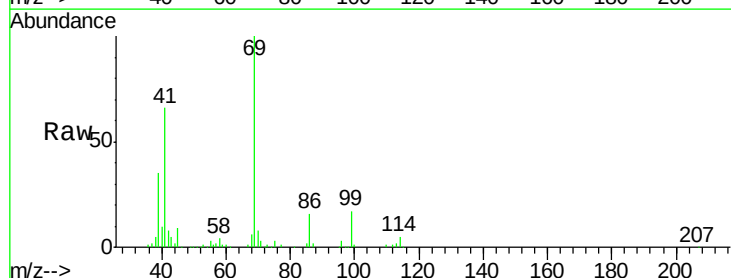
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion: 69 Resp: 162484

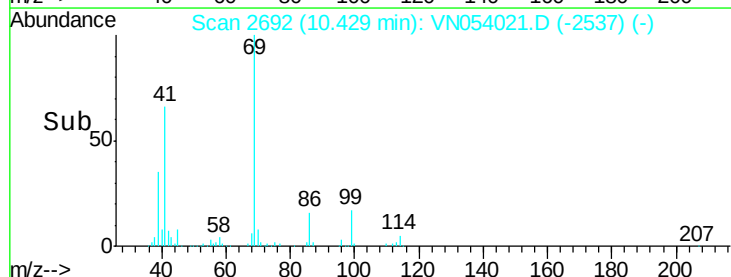
Ion	Ratio	Lower	Upper
69	100		
41	66.0	34.4	103.3
39	34.7	16.4	49.2

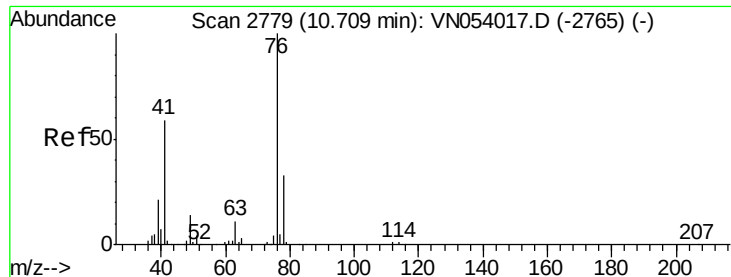


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 19.939 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

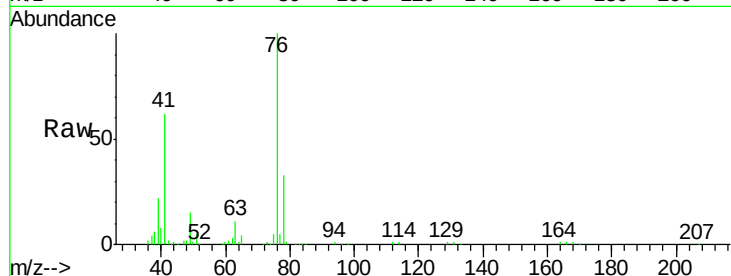
ICVVN030119

Tot Ion: 76 Resp: 232713

Ion Ratio Lower Upper

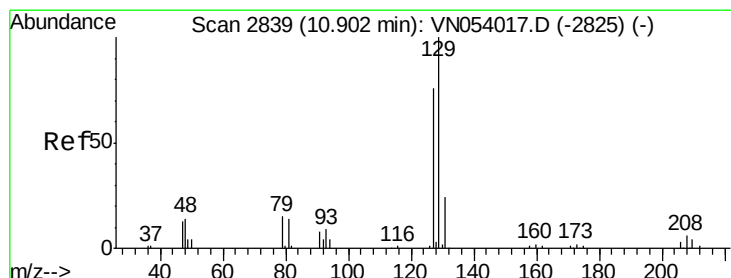
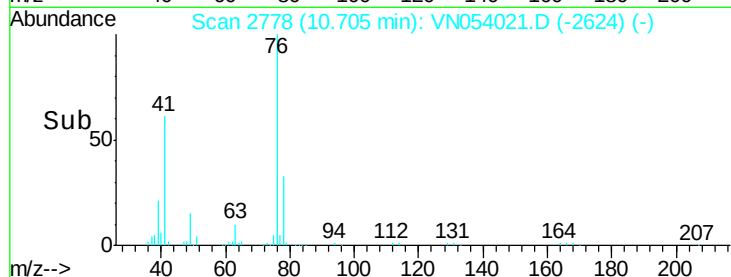
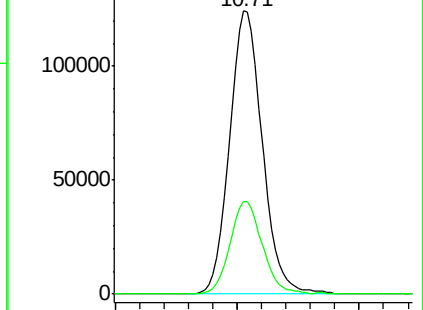
76 100

78 32.3 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN054017.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN054017.D (-2765) (-)



#53

Dibromochloromethane

Concen: 19.959 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054021.D

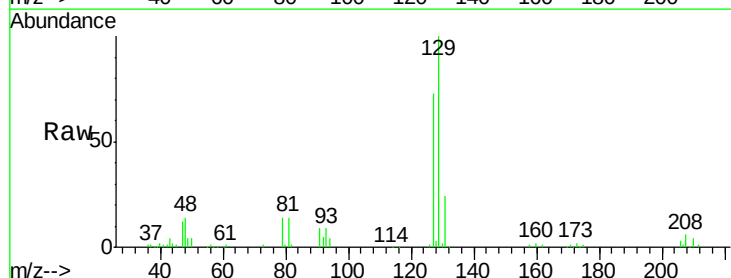
Acq: 1 Mar 2019 11:23

Tgt Ion: 129 Resp: 149141

Ion Ratio Lower Upper

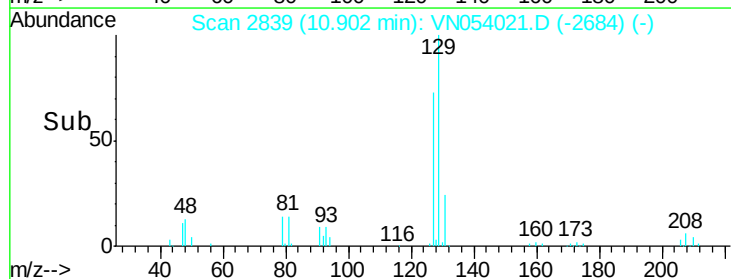
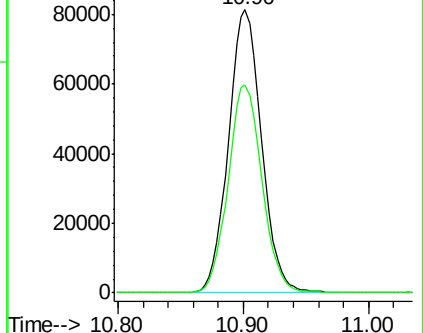
129 100

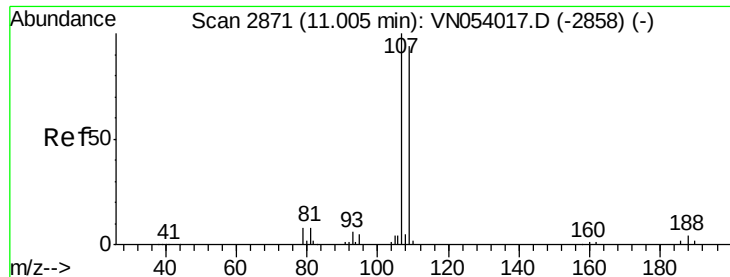
127 75.4 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN054017.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN054017.D (-2825) (-)





#54

1,2-Dibromoethane

Concen: 19.501 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

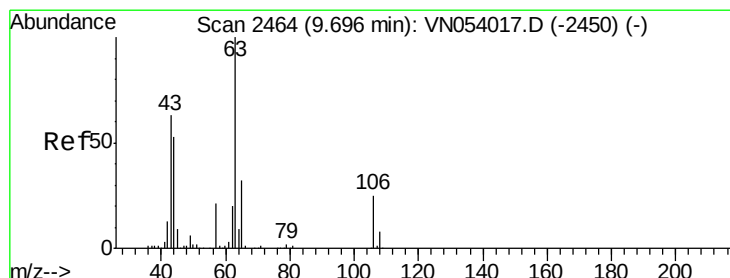
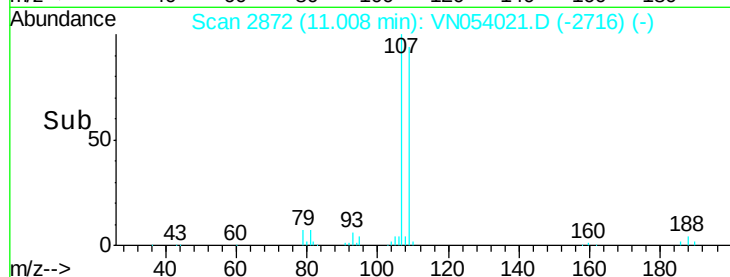
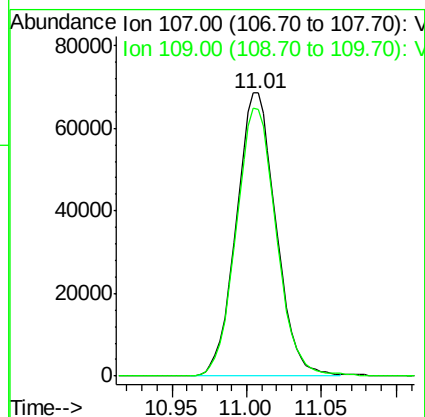
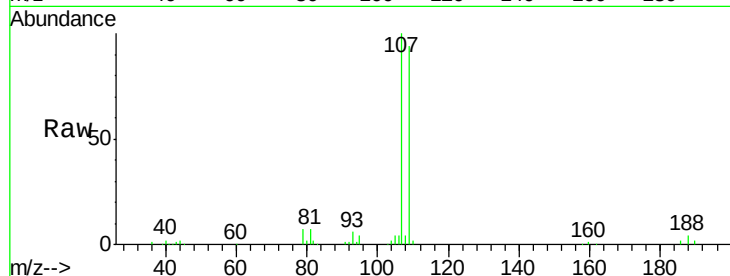
ICVVN030119

Tot Ion:107 Resp: 126329

Ion Ratio Lower Upper

107 100

109 95.9 77.1 115.7



#55

2-Chloroethyl vinyl ether

Concen: 99.361 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

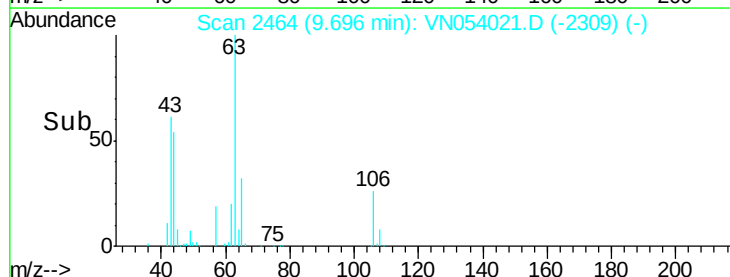
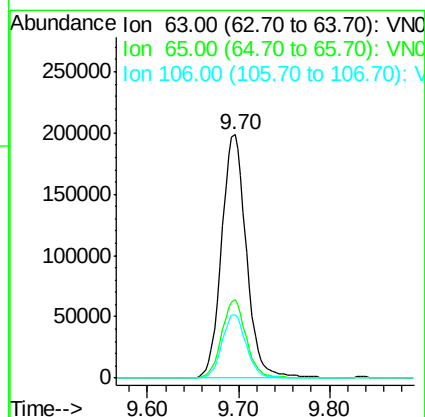
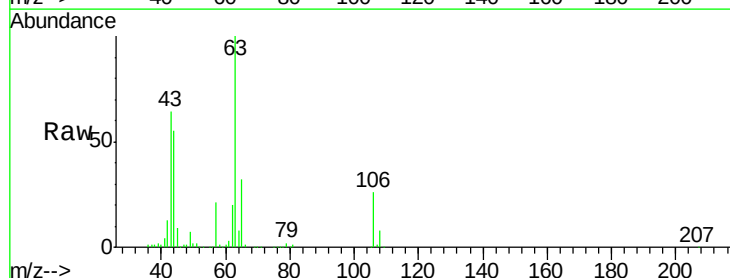
Tgt Ion: 63 Resp: 377480

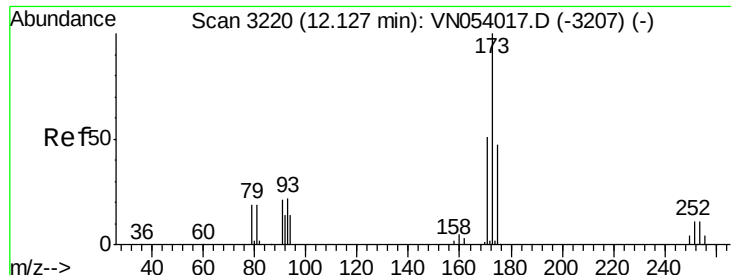
Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

106 25.3 20.4 30.6

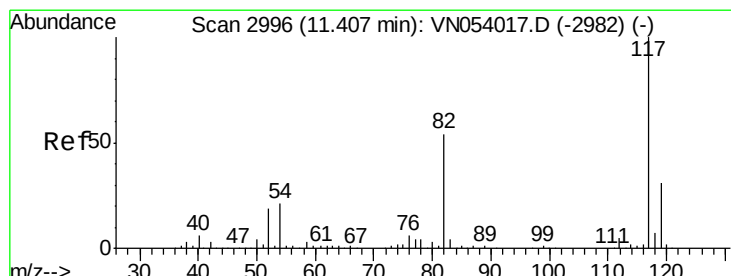
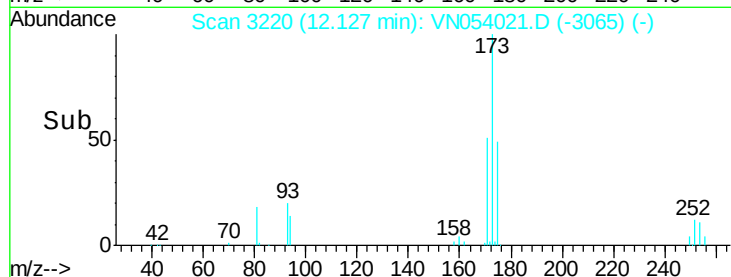
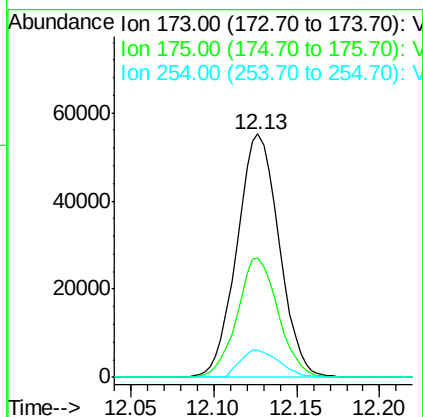
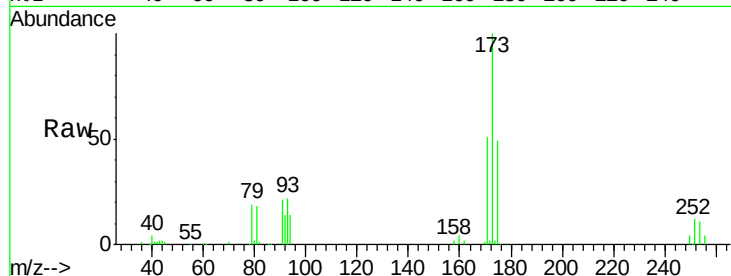




#56
Bromoform
Concen: 19.649 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

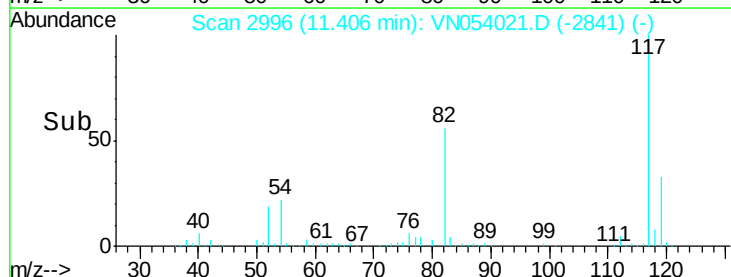
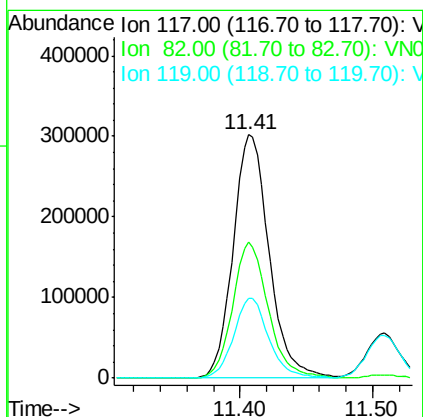
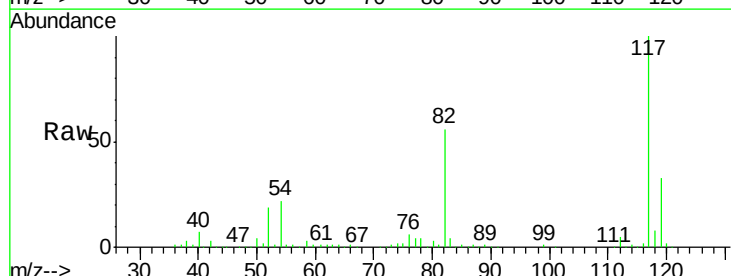
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

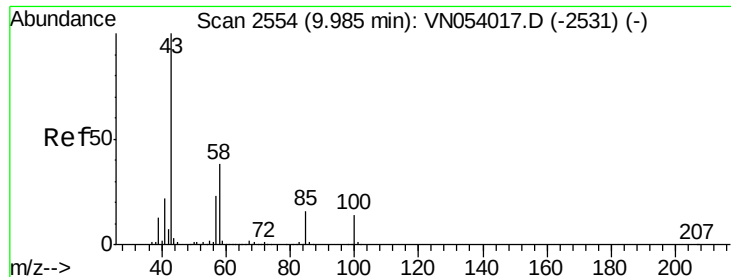
Tot Ion:173 Resp: 97492
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 10.6 8.4 12.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion:117 Resp: 569034
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.1 25.4 38.2

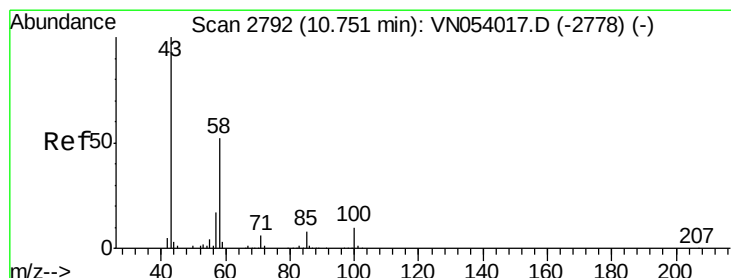
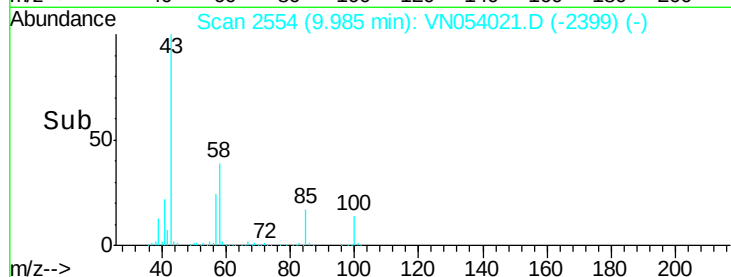
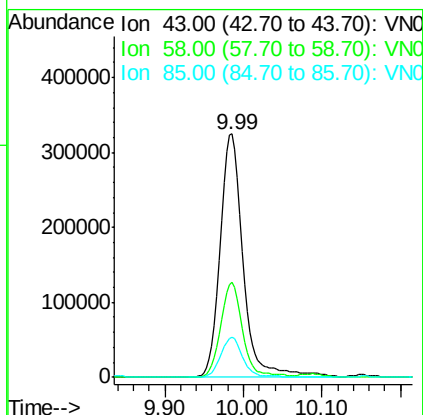
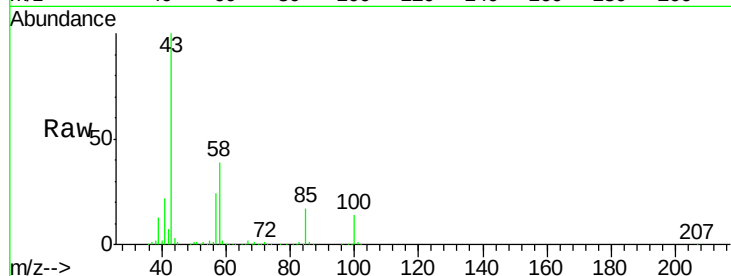




#58
 4-Methyl-2-Pentanone
 Concen: 101.625 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

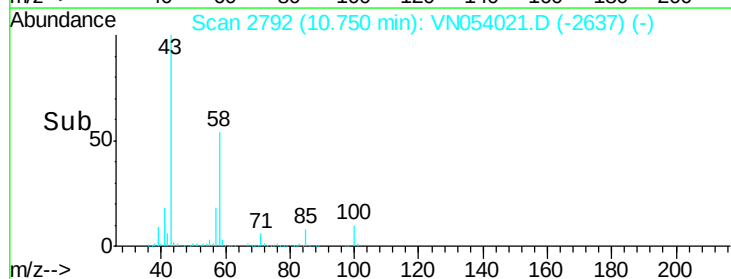
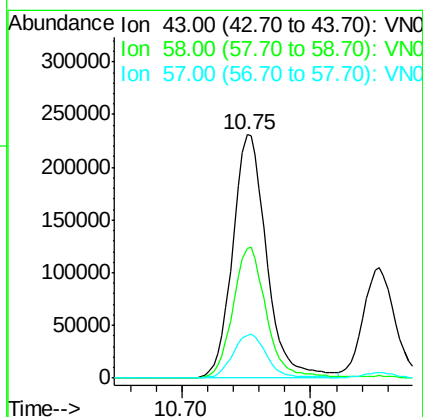
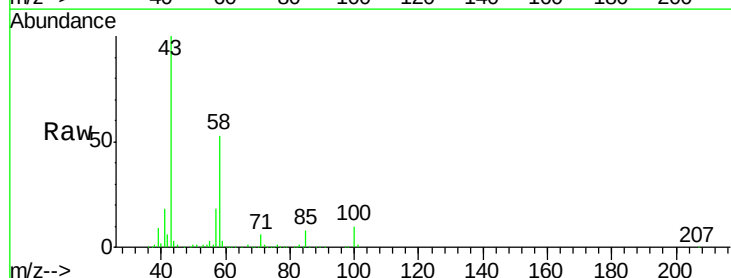
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

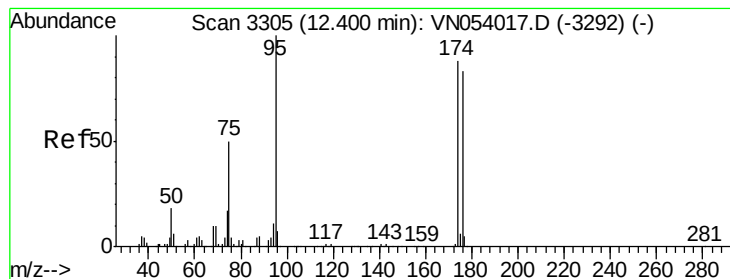
Tot Ion: 43 Resp: 651614
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.6 47.4
 85 16.0 13.3 19.9



#59
 2-Hexanone
 Concen: 100.202 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 43 Resp: 419773
 Ion Ratio Lower Upper
 43 100
 58 53.3 43.2 64.8
 57 18.2 14.9 22.3





#60

4-Bromofluorobenzene

Concen: 100.202 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

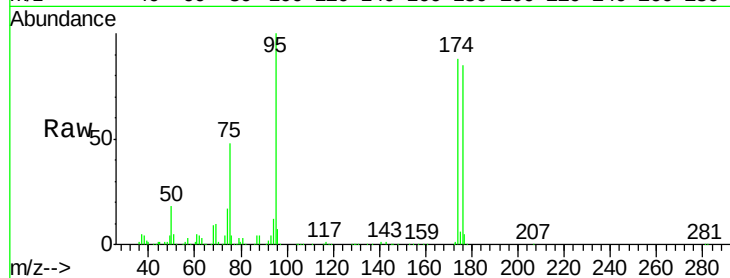
Tot Ion: 95 Resp: 263276

Ion Ratio Lower Upper

95 100

174 86.9 67.9 101.9

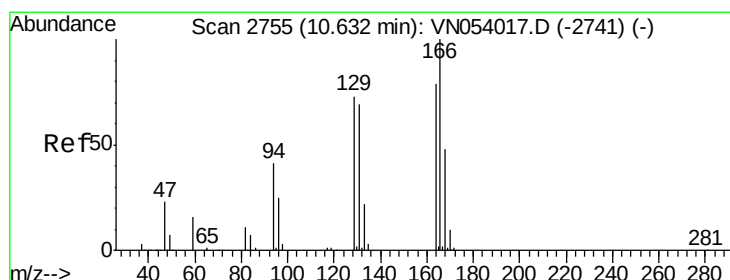
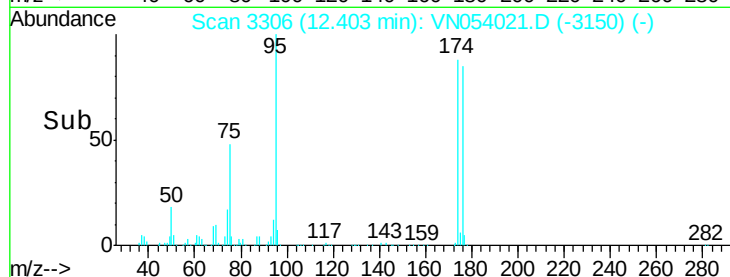
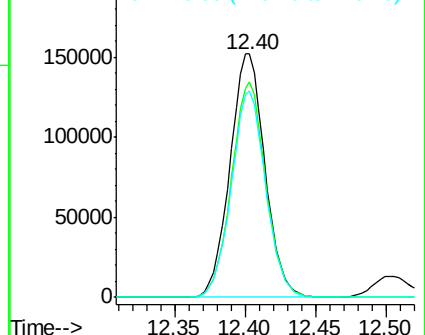
176 83.4 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN054017.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN054017.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN054017.D (-3292) (-)



#61

Tetrachloroethene

Concen: 20.539 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion: 164 Resp: 162479

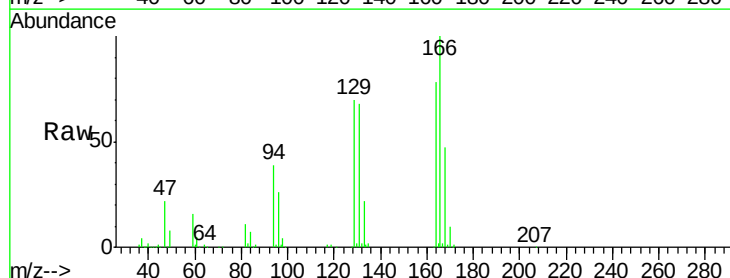
Ion Ratio Lower Upper

164 100

166 127.2 104.6 157.0

129 89.5 75.3 112.9

131 86.2 74.3 111.5

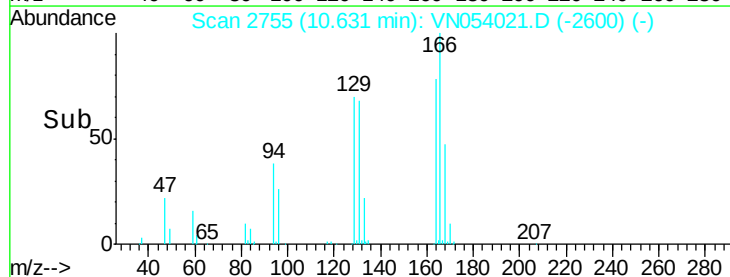
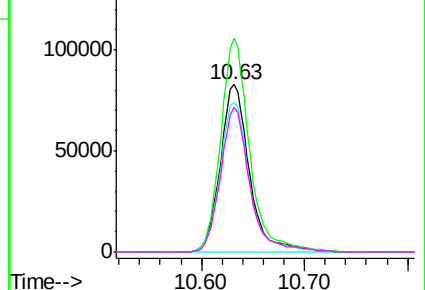


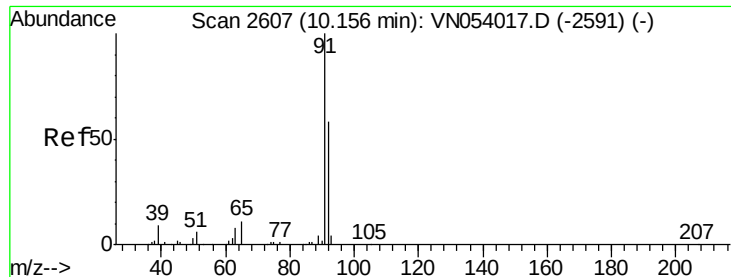
Abundance Ion 163.85 (163.55 to 164.55): VN054017.D (-2741) (-)

Ion 165.80 (165.50 to 166.50): VN054017.D (-2741) (-)

Ion 128.90 (128.60 to 129.60): VN054017.D (-2741) (-)

Ion 130.90 (130.60 to 131.60): VN054017.D (-2741) (-)





#62

Toluene

Concen: 20.546 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

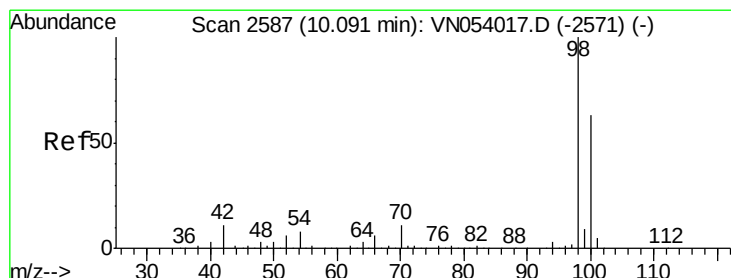
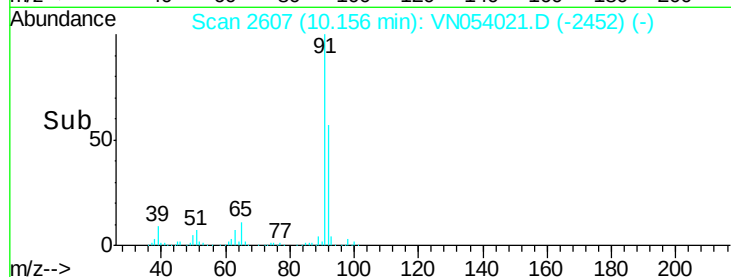
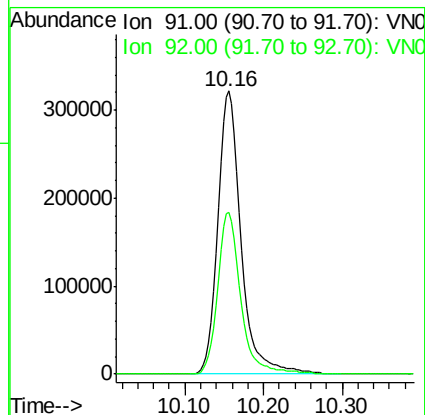
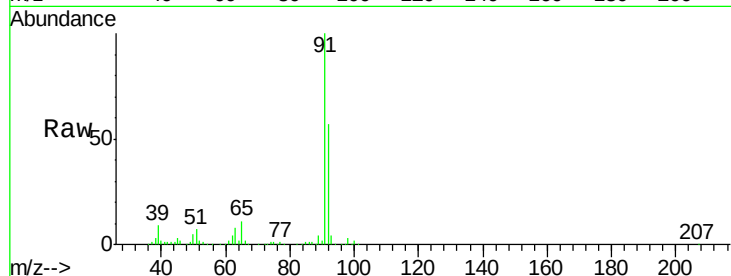
ICVFN030119

Tot Ion: 91 Resp: 653396

Ion Ratio Lower Upper

91 100

92 56.8 45.4 68.2



#63

Toluene-d8

Concen: 20.546 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054021.D

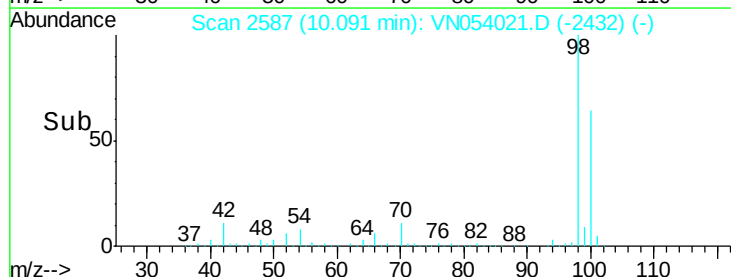
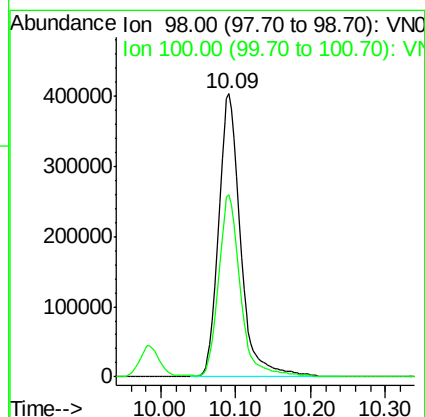
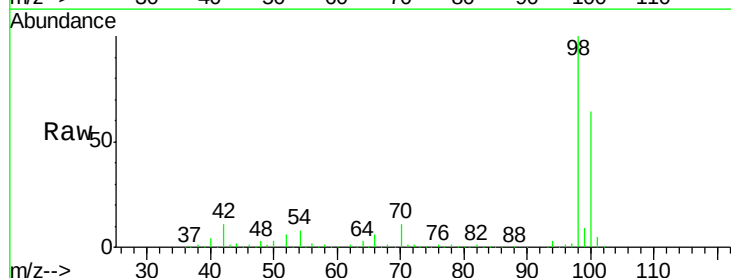
Acq: 1 Mar 2019 11:23

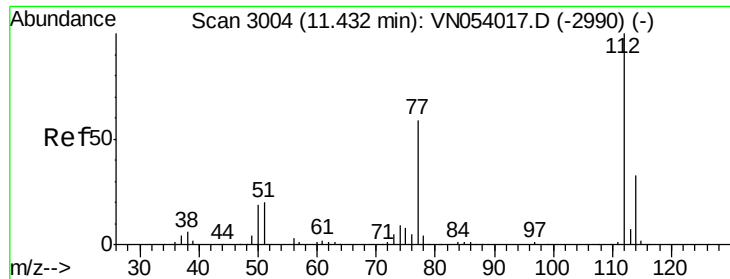
Tgt Ion: 98 Resp: 822408

Ion Ratio Lower Upper

98 100

100 62.4 51.1 76.7

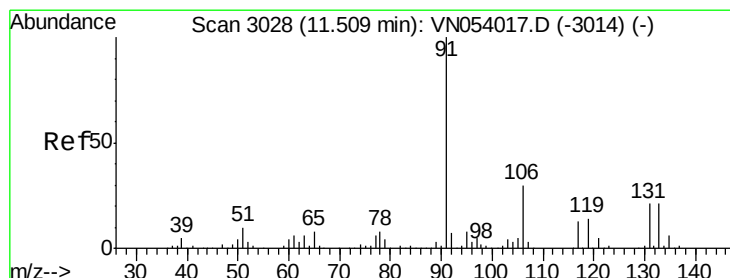
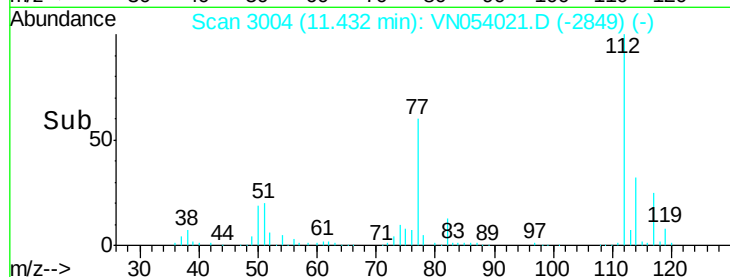
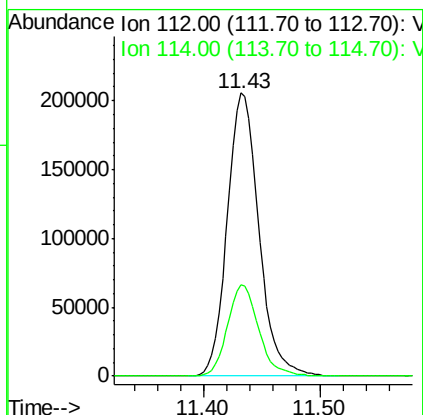
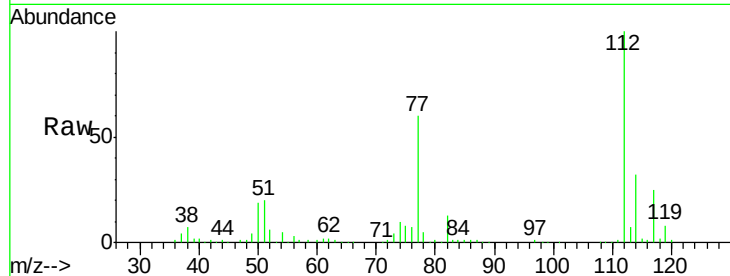




#64
Chlorobenzene
Concen: 20.064 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

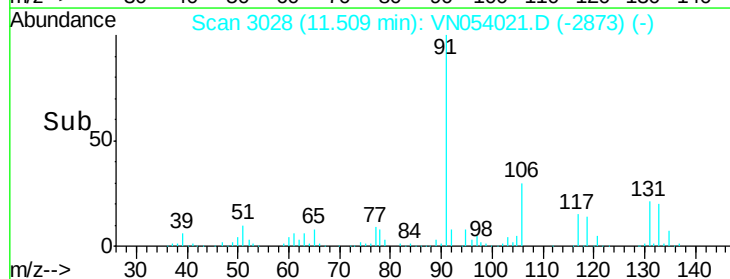
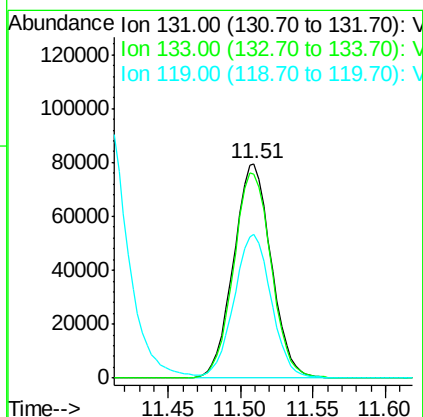
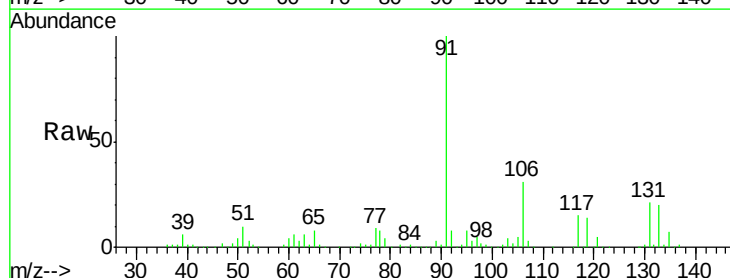
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

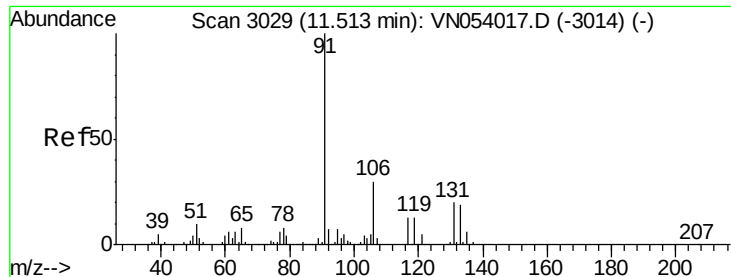
Tot Ion:112 Resp: 388536
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 20.166 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion:131 Resp: 143390
Ion Ratio Lower Upper
131 100
133 95.8 0.0 193.4
119 66.6 0.0 133.0





#66

Ethyl Benzene

Concen: 20.339 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

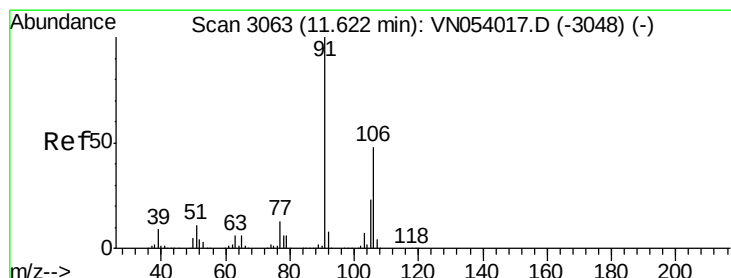
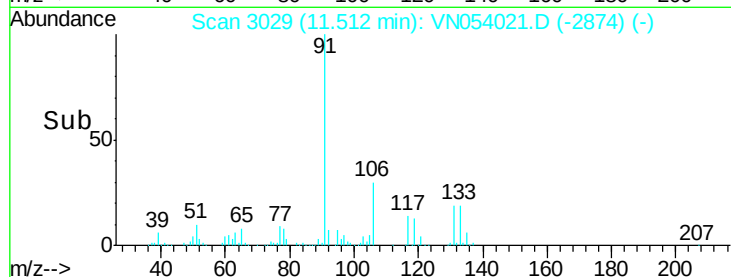
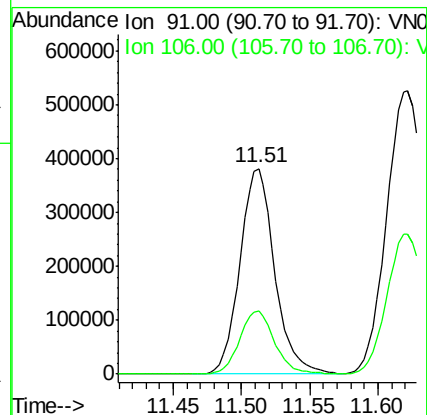
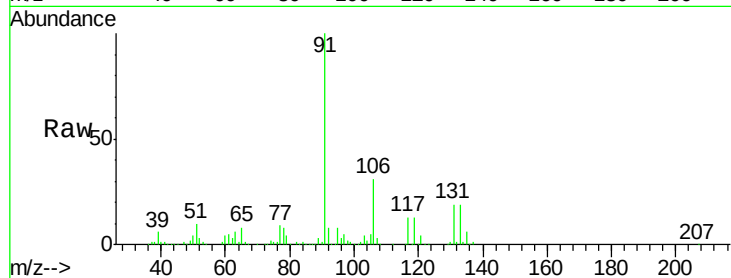
ICVVN030119

Tot Ion: 91 Resp: 676098

Ion Ratio Lower Upper

91 100

106 30.5 24.3 36.5



#67

m/p-Xylenes

Concen: 41.864 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054021.D

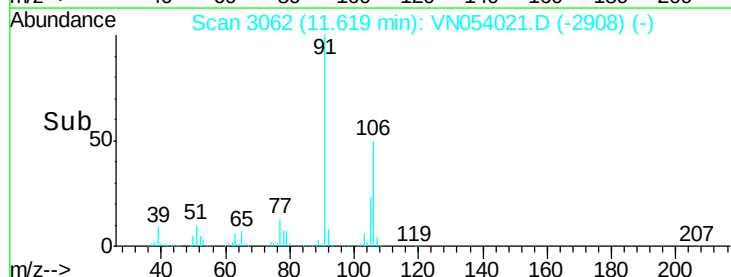
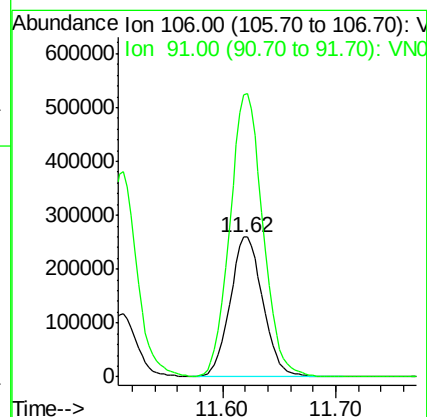
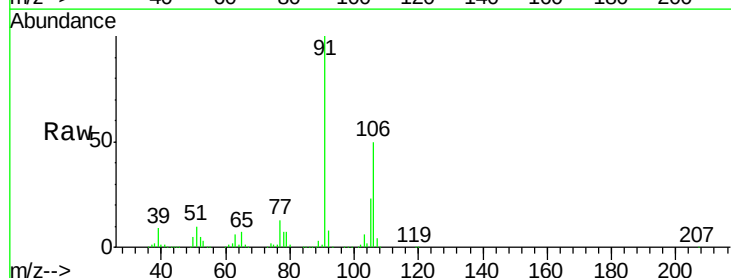
Acq: 1 Mar 2019 11:23

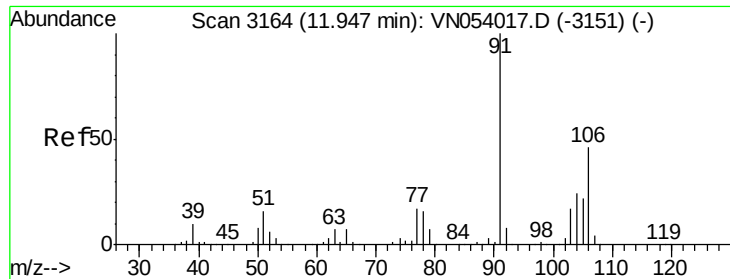
Tgt Ion: 106 Resp: 523942

Ion Ratio Lower Upper

106 100

91 203.5 163.9 245.9

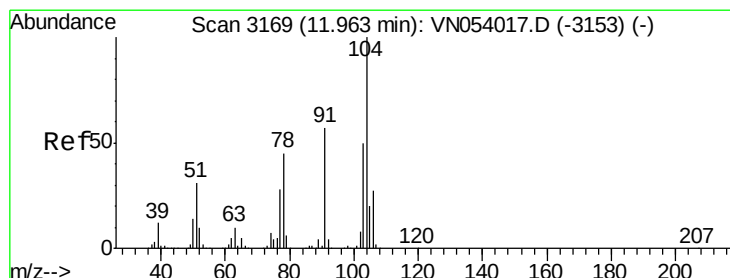
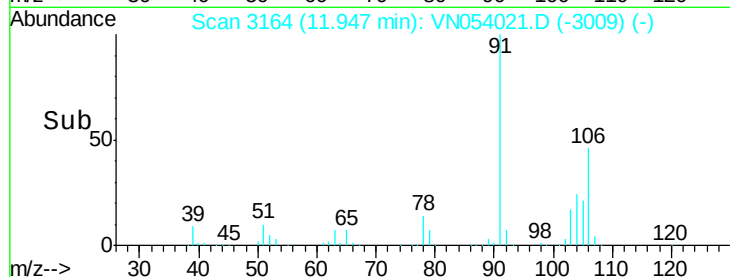
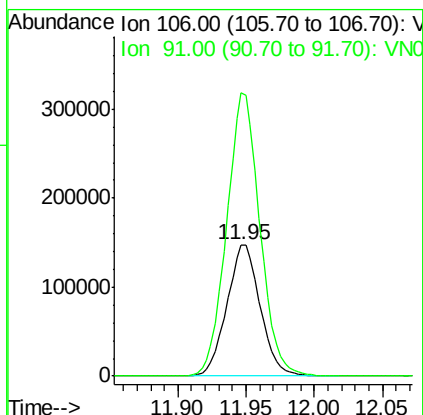
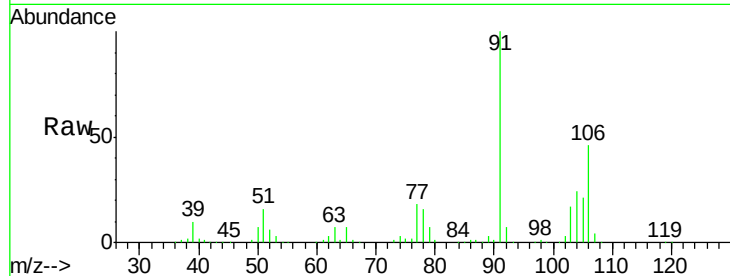




#68
o-Xylene
Concen: 20.696 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

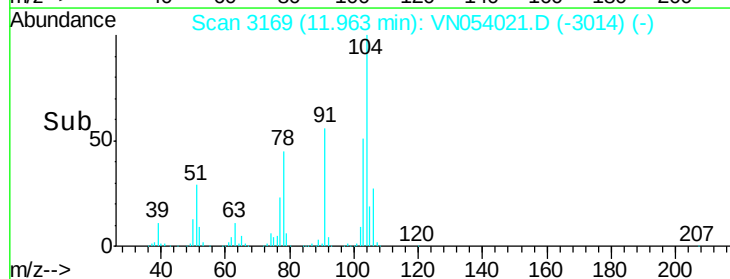
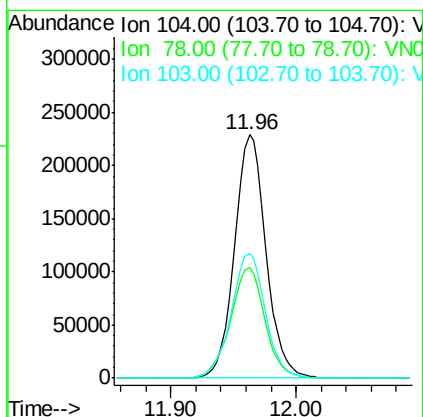
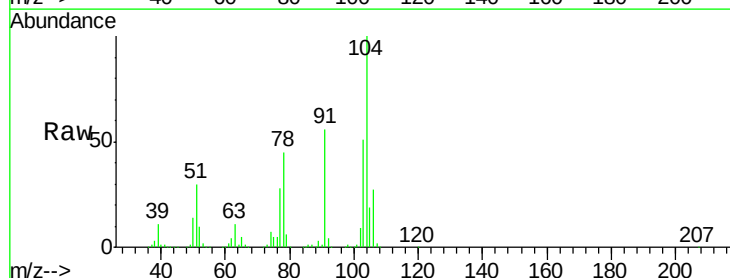
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

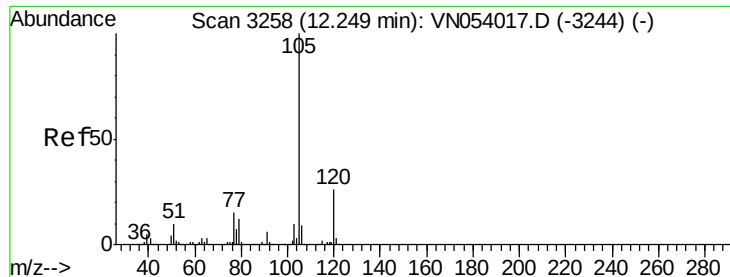
Tot Ion:106 Resp: 251087
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.4



#69
Styrene
Concen: 20.744 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion:104 Resp: 398514
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 55.6 44.6 66.8





#70

Isopropylbenzene

Concen: 20.761 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

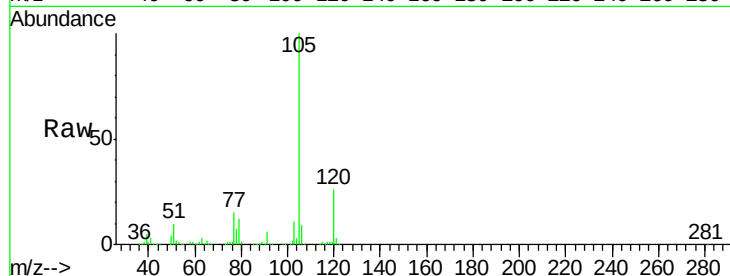
ICVVN030119

Tot Ion:105 Resp: 661073

Ion Ratio Lower Upper

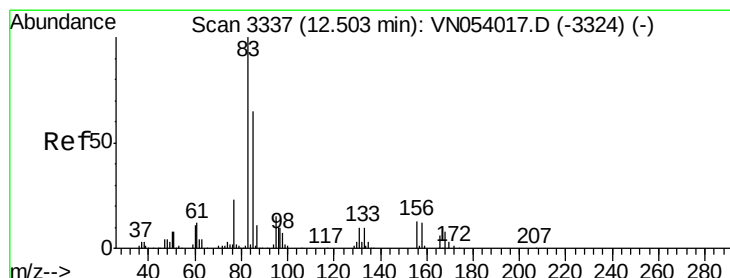
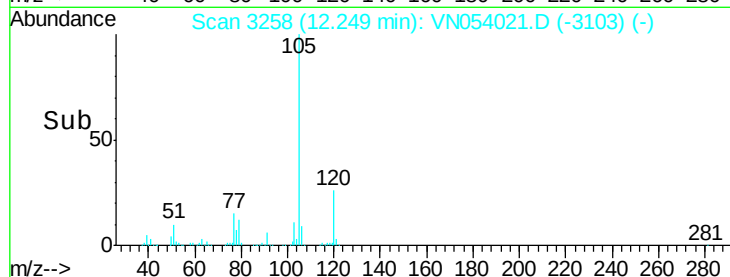
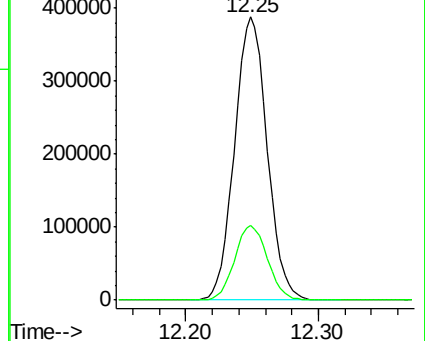
105 100

120 26.5 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: 20.040 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

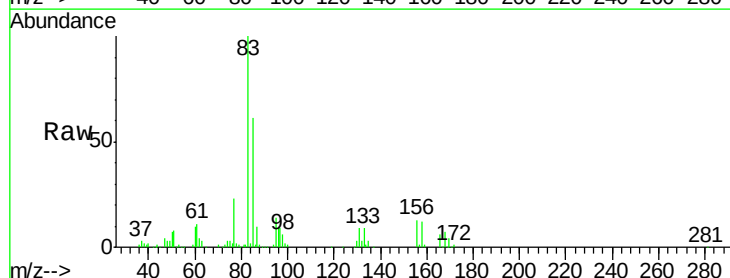
Tgt Ion: 83 Resp: 157498

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

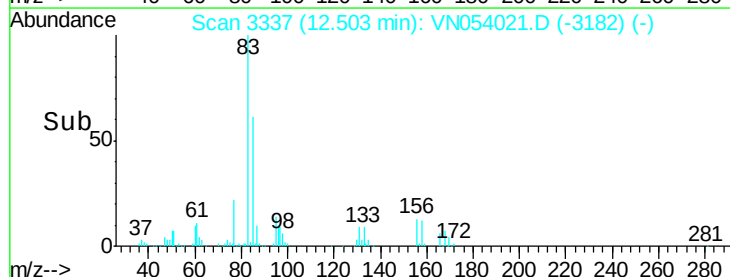
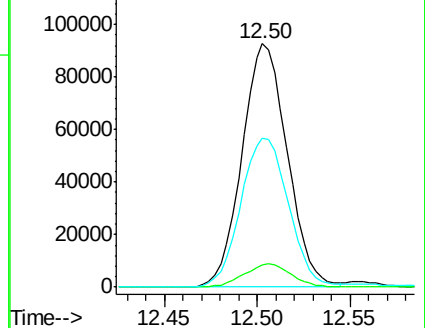
85 64.5 32.2 96.6

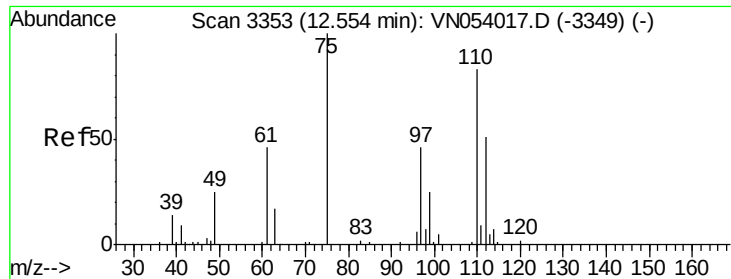


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 32.840 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

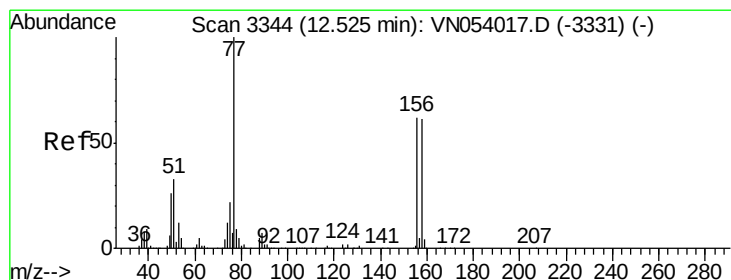
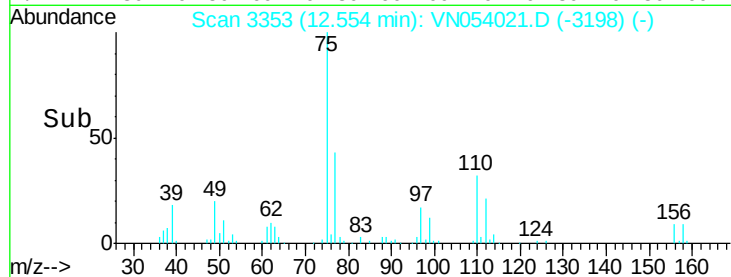
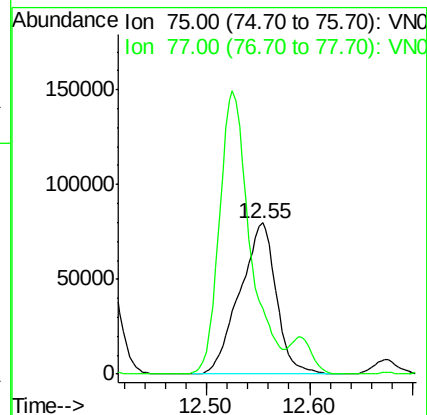
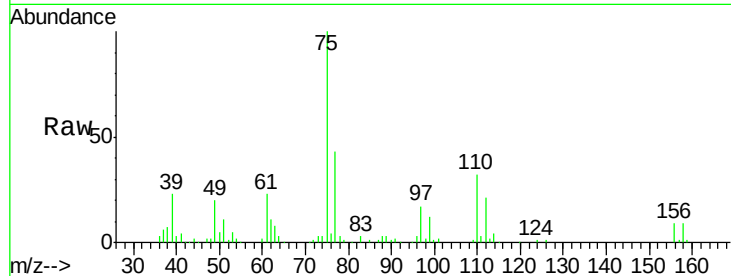
ICVVN030119

Tot Ion: 75 Resp: 195978

Ion Ratio Lower Upper

75 100

77 158.4 0.0 514.8



#73

Bromobenzene

Concen: 20.129 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

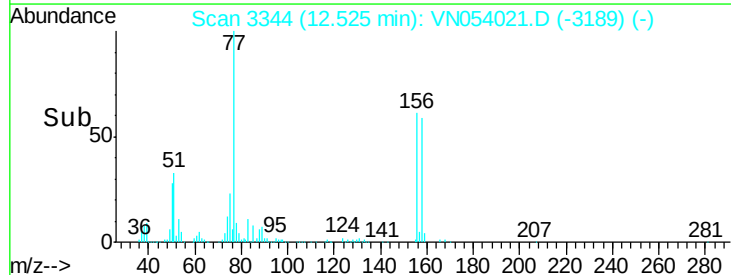
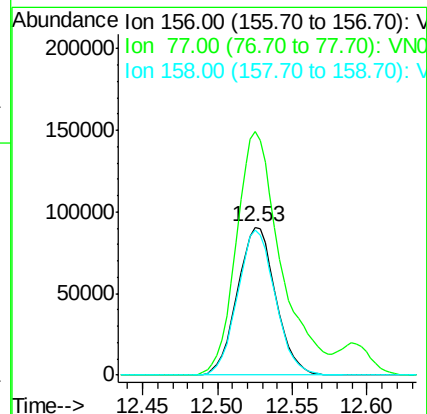
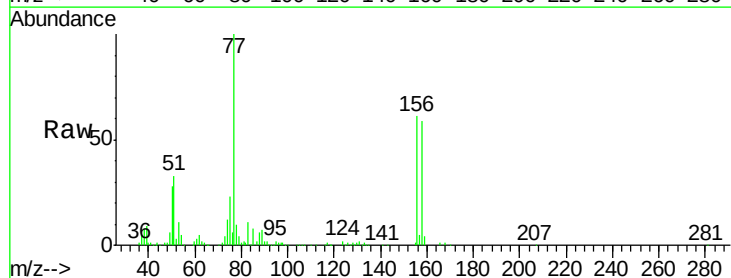
Tgt Ion:156 Resp: 161595

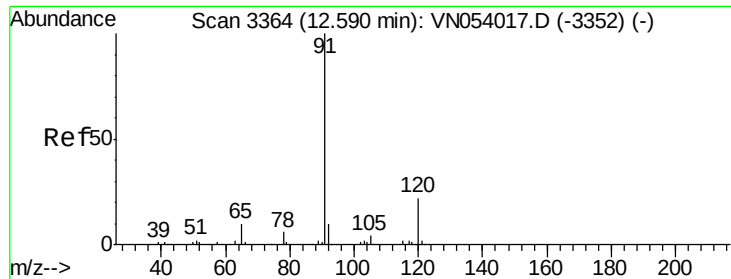
Ion Ratio Lower Upper

156 100

77 192.2 0.0 382.6

158 96.4 0.0 196.8





#74

n-propylbenzene

Concen: 20.876 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

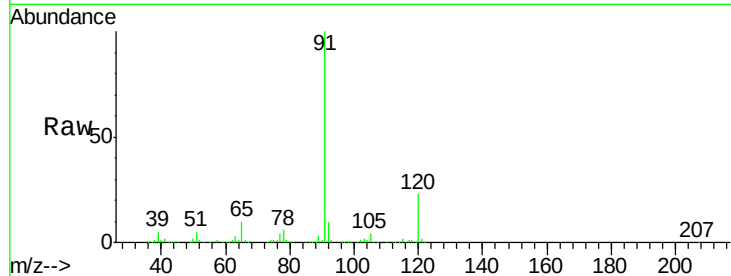
ICVVN030119

Tot Ion: 91 Resp: 791567

Ion Ratio Lower Upper

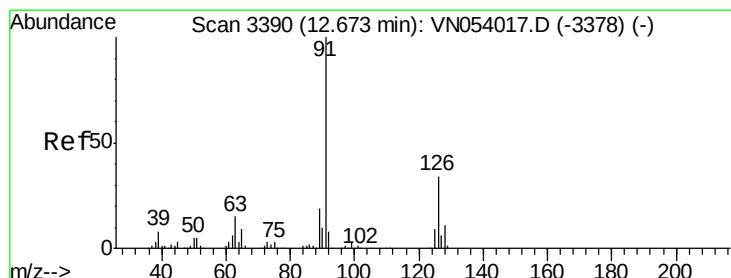
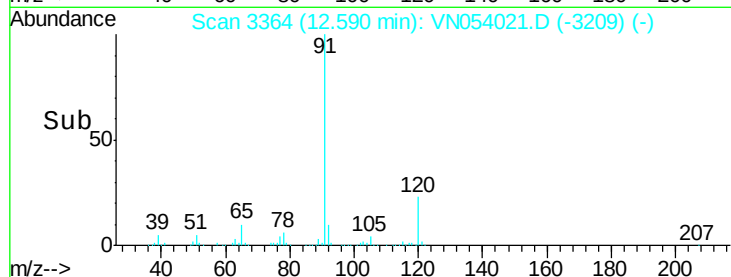
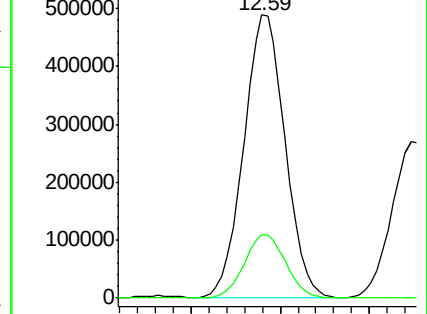
91 100

120 22.5 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: 20.637 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054021.D

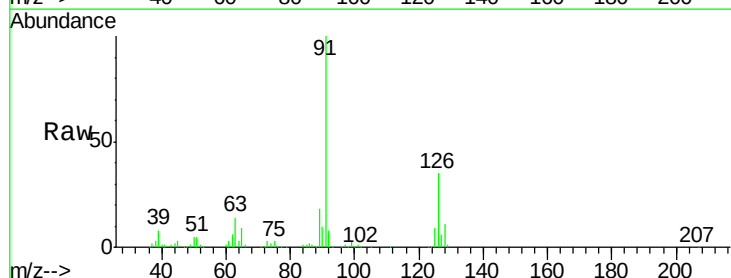
Acq: 1 Mar 2019 11:23

Tgt Ion: 91 Resp: 458219

Ion Ratio Lower Upper

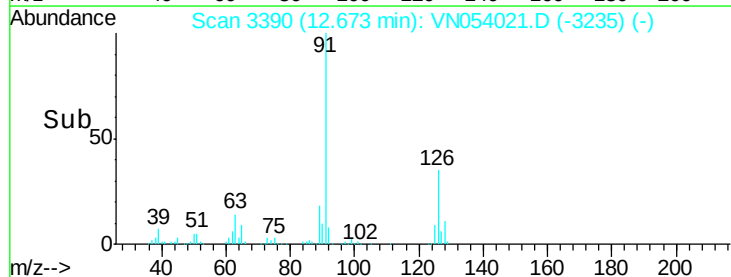
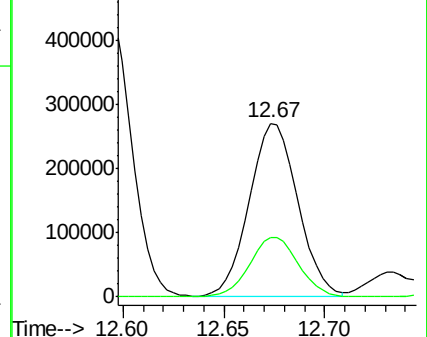
91 100

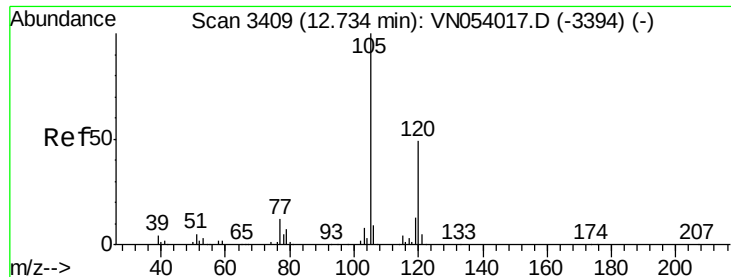
126 34.5 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 21.074 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

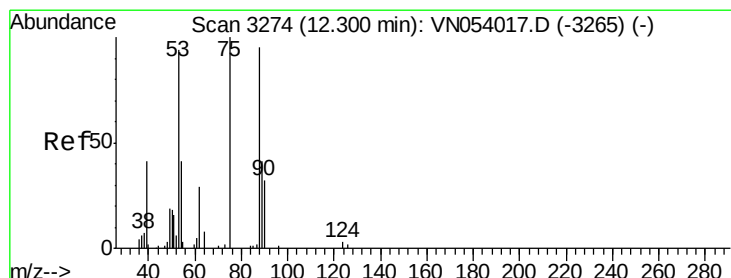
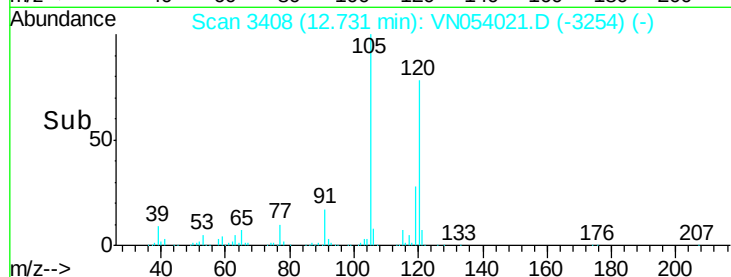
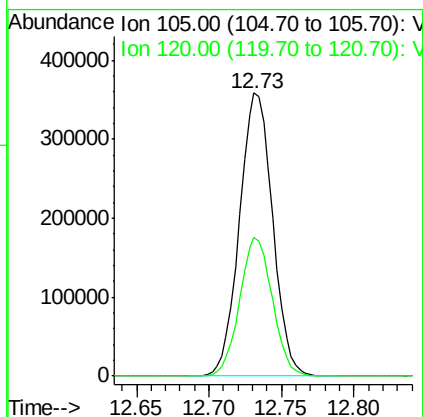
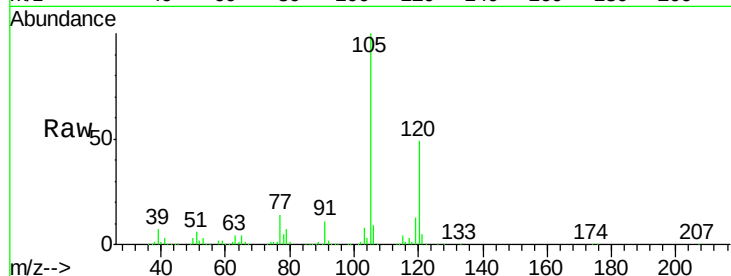
ICVVN030119

Tot Ion:105 Resp: 568425

Ion Ratio Lower Upper

105 100

120 48.4 0.0 97.4



#77

t-1,4-Dichloro-2-butene

Concen: 19.270 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

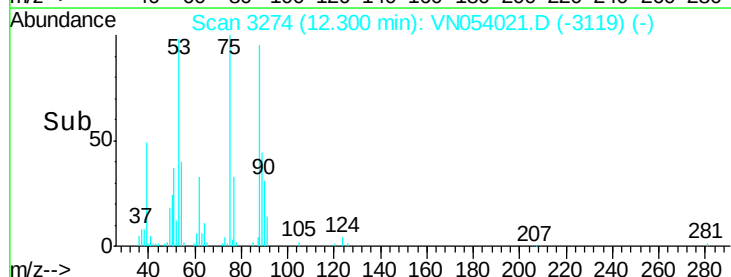
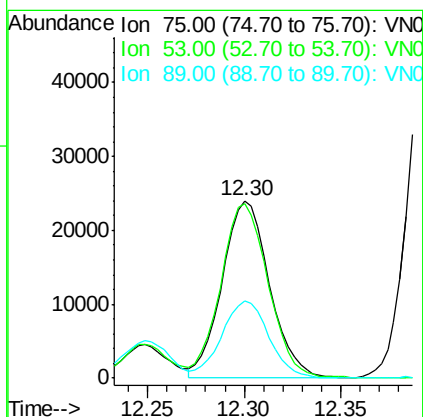
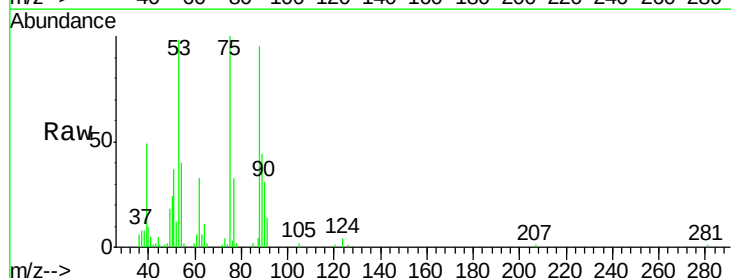
Tgt Ion: 75 Resp: 40921

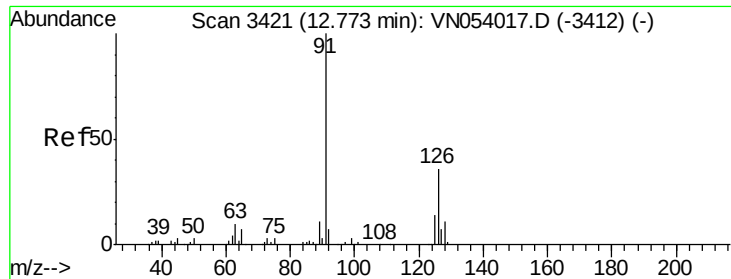
Ion Ratio Lower Upper

75 100

53 97.3 48.5 145.6

89 43.5 21.7 65.1





#78

4-Chlorotoluene

Concen: 20.961 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

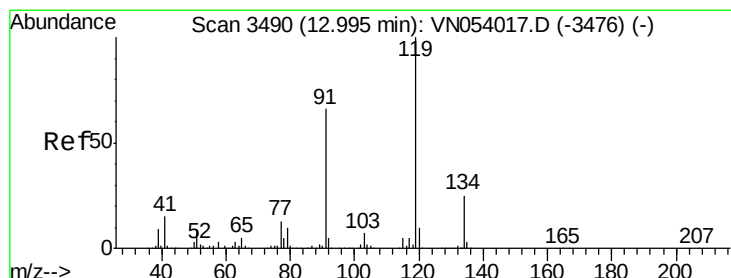
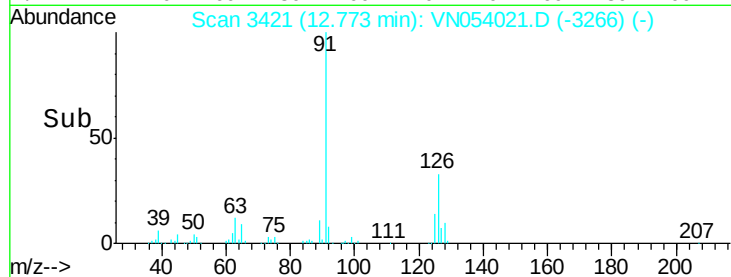
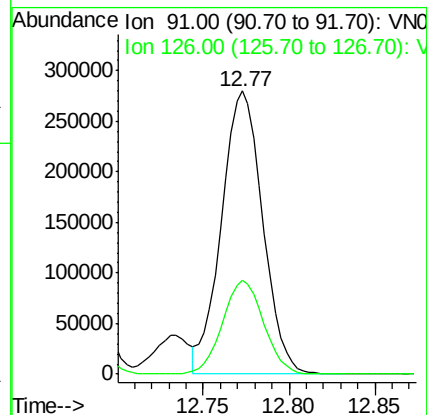
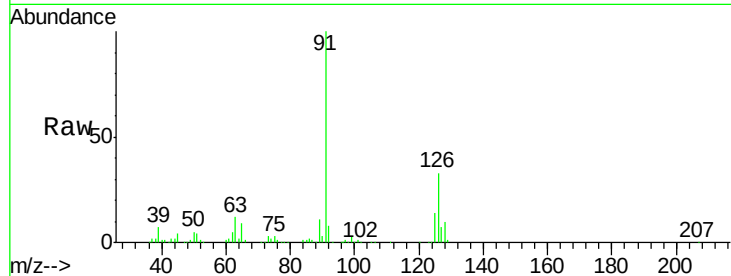
ICVVN030119

Tot Ion: 91 Resp: 465710

Ion Ratio Lower Upper

91 100

126 33.2 0.0 68.2



#79

tert-butylbenzene

Concen: 21.025 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

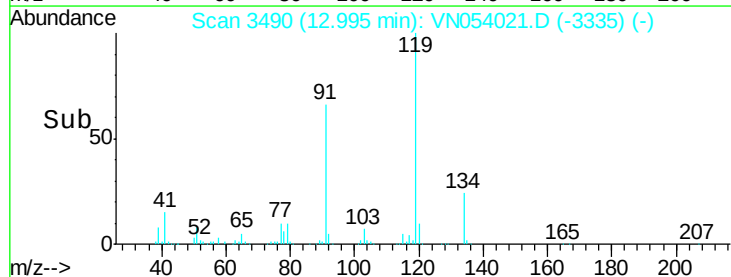
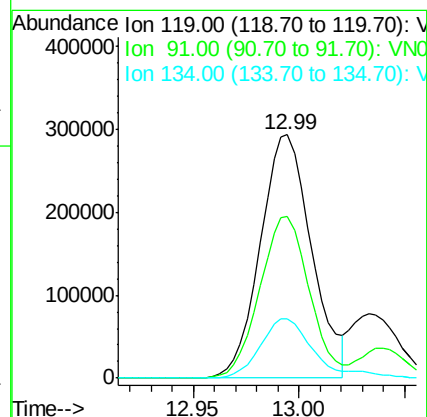
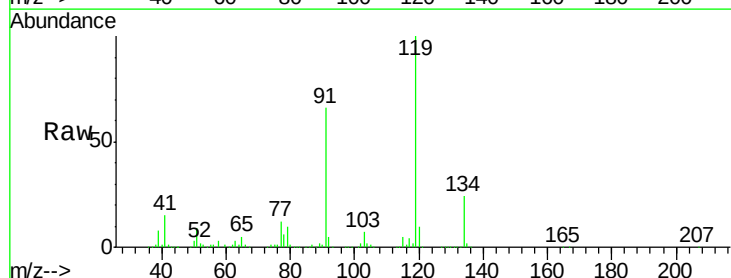
Tgt Ion: 119 Resp: 496928

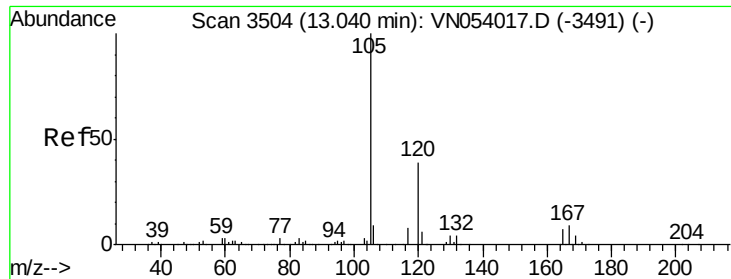
Ion Ratio Lower Upper

119 100

91 63.8 0.0 129.8

134 24.0 0.0 52.2

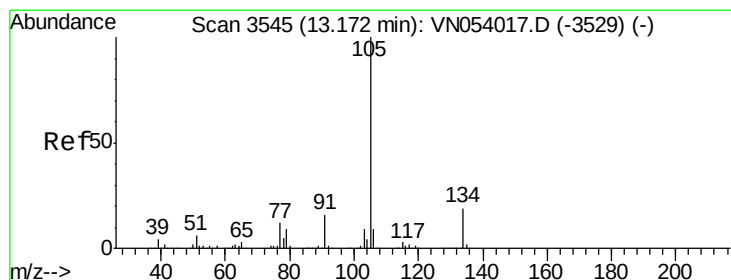
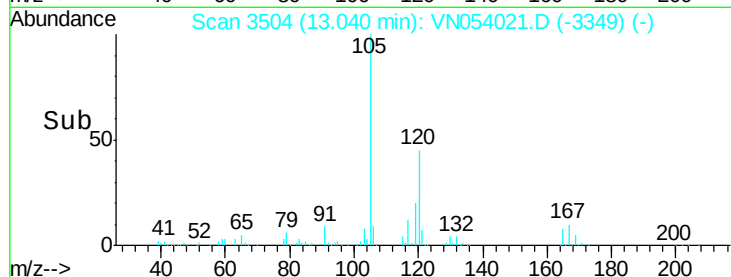
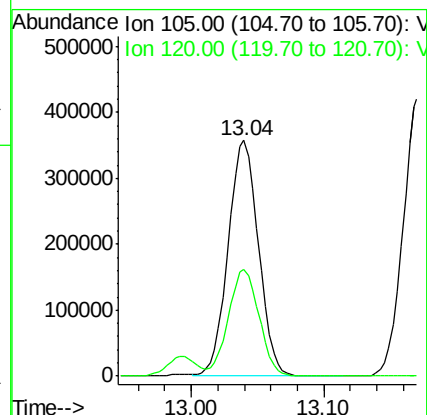
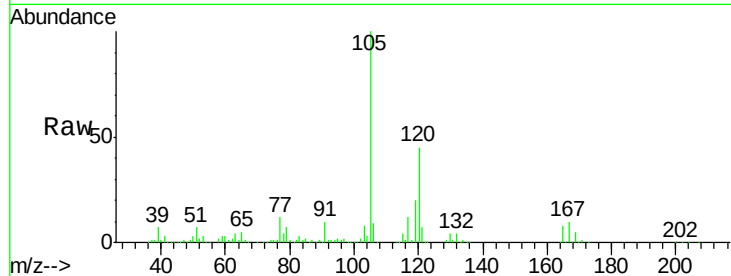




#80
 1,2,4-Trimethylbenzene
 Concen: 21.214 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

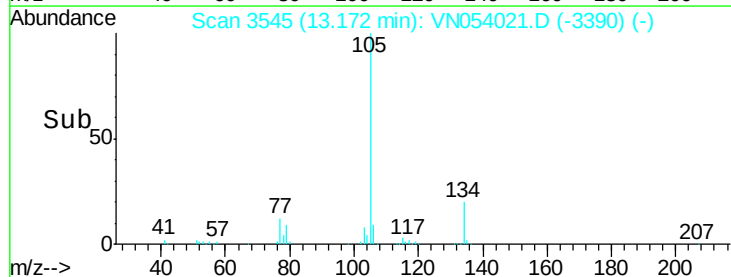
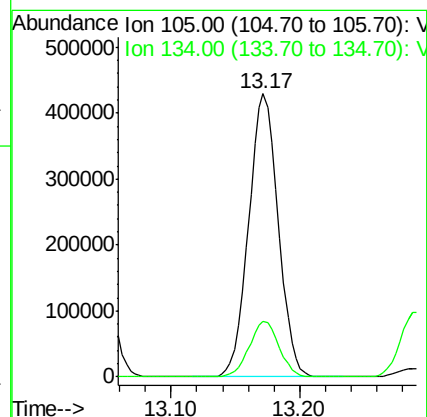
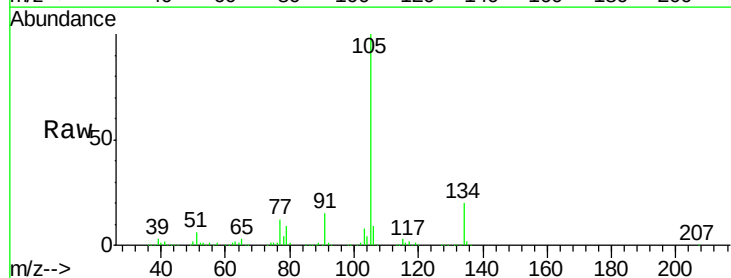
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

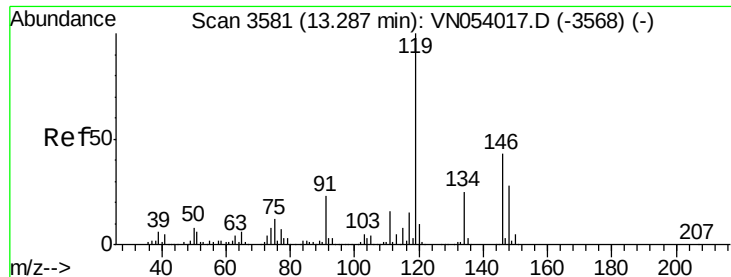
Tot Ion:105 Resp: 569494
 Ion Ratio Lower Upper
 105 100
 120 45.7 0.0 91.0



#81
 sec-Butylbenzene
 Concen: 21.140 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion:105 Resp: 685263
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 40.4





#82

p-Isopropyltoluene

Concen: 21.375 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

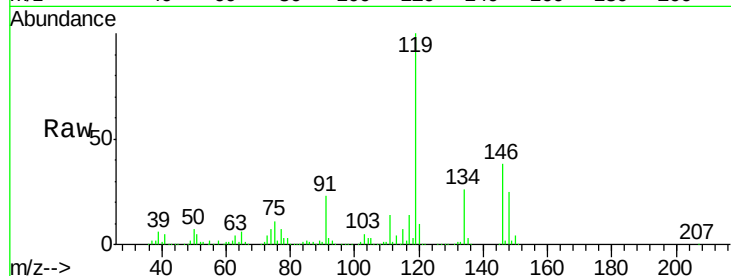
Tot Ion:119 Resp: 591639

Ion Ratio Lower Upper

119 100

134 26.0 0.0 52.6

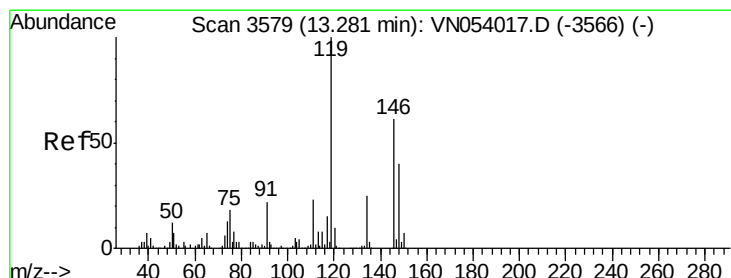
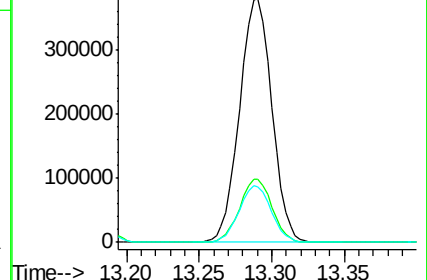
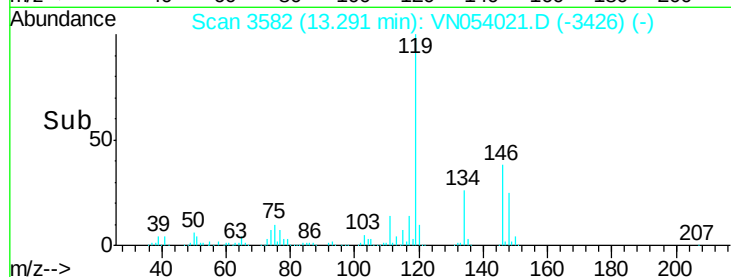
91 23.1 0.0 46.2



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: 20.943 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

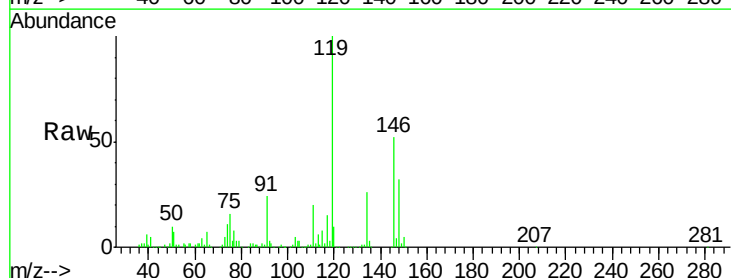
Tgt Ion:146 Resp: 296563

Ion Ratio Lower Upper

146 100

111 38.1 19.7 59.0

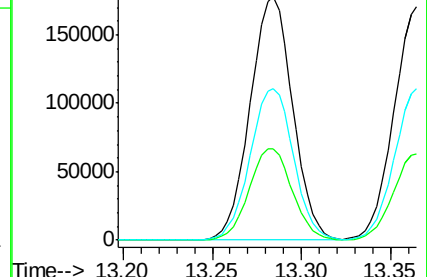
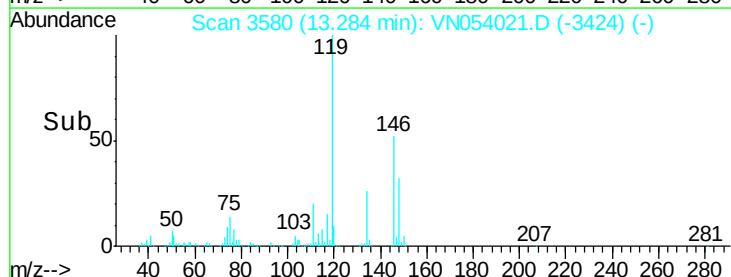
148 63.4 32.3 96.8

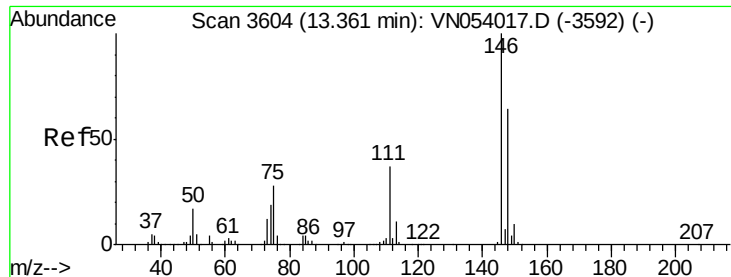


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

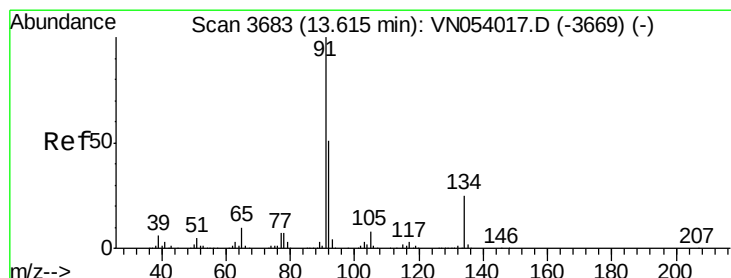
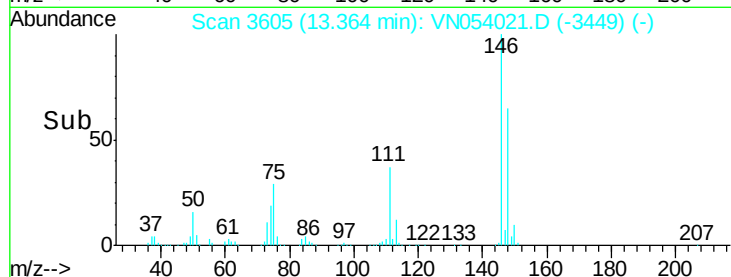
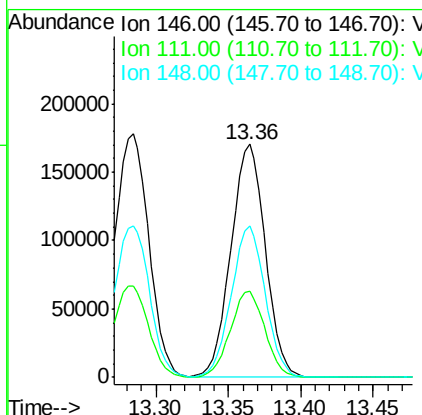
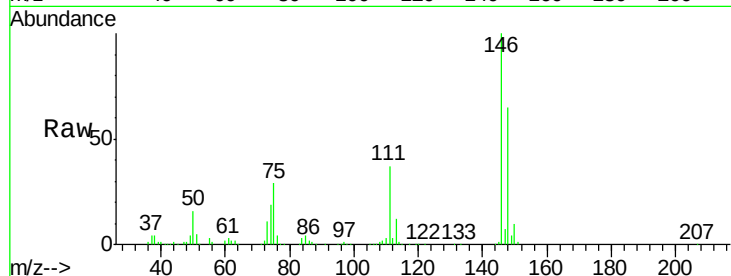




#84
1,4-Dichlorobenzene
Concen: 20.807 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

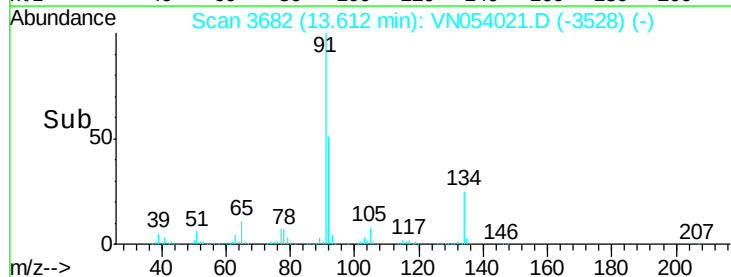
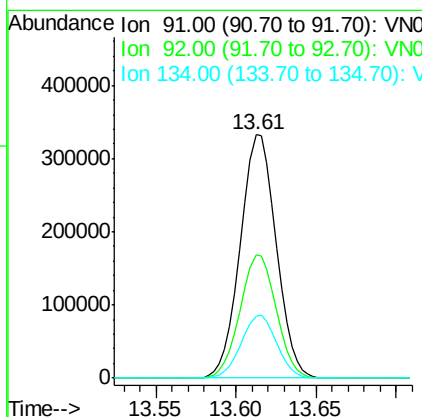
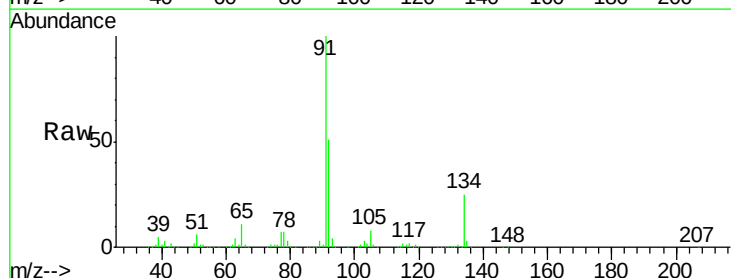
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

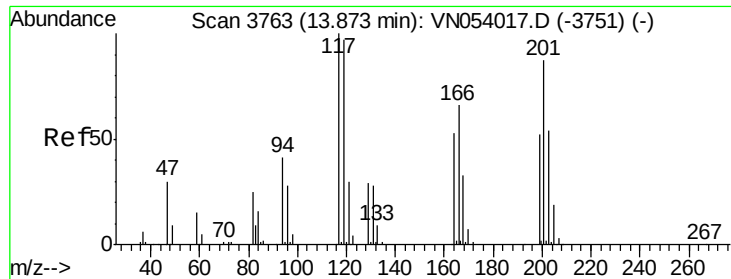
Tot Ion:146 Resp: 281309
Ion Ratio Lower Upper
146 100
111 37.0 18.8 56.3
148 64.0 32.5 97.4



#85
n-Butylbenzene
Concen: 21.069 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 91 Resp: 508250
Ion Ratio Lower Upper
91 100
92 51.0 0.0 104.2
134 25.5 0.0 50.6





#86

Hexachloroethane

Concen: 19.853 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

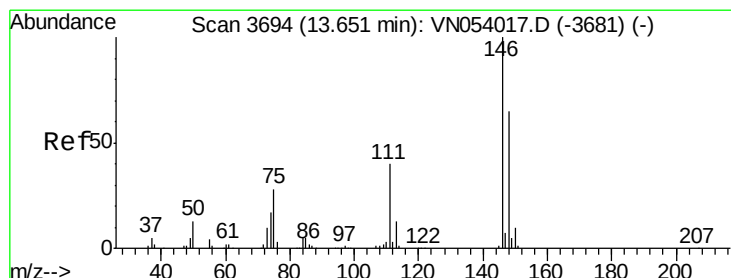
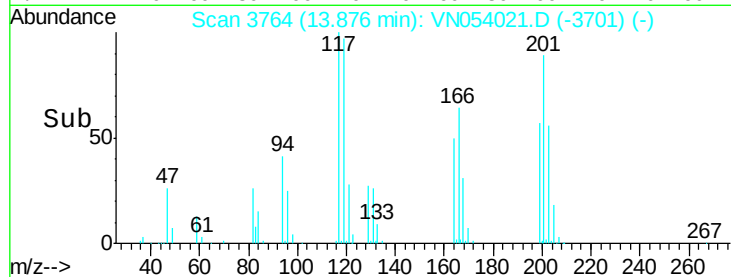
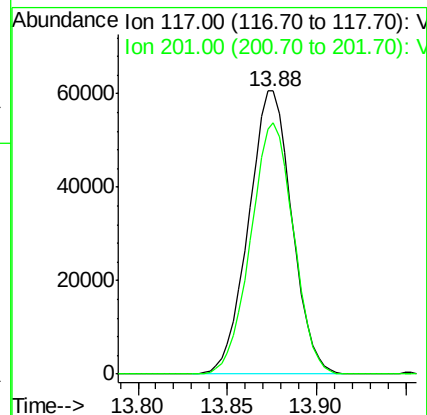
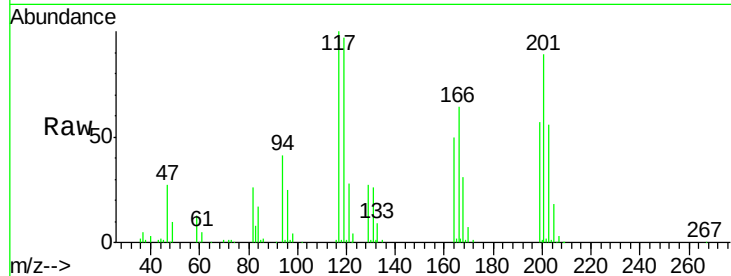
ICVVN030119

Tot Ion:117 Resp: 102737

Ion Ratio Lower Upper

117 100

201 87.7 43.8 131.3



#87

1,2-Dichlorobenzene

Concen: 21.021 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

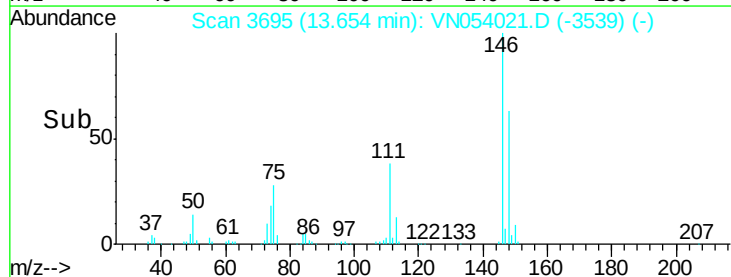
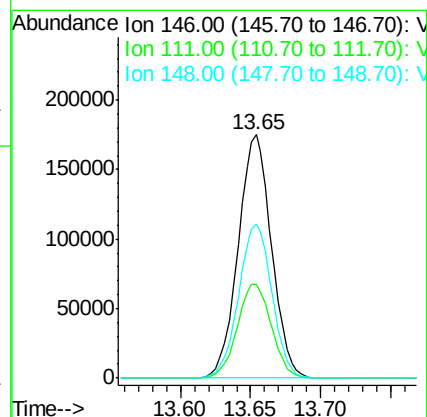
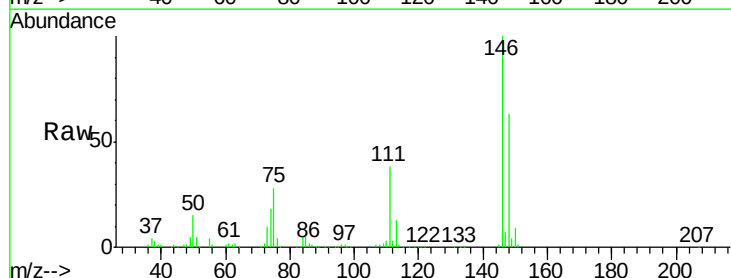
Tgt Ion:146 Resp: 288686

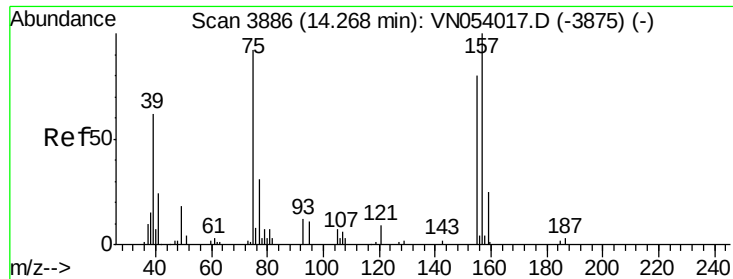
Ion Ratio Lower Upper

146 100

111 39.5 20.3 60.8

148 63.6 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.662 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

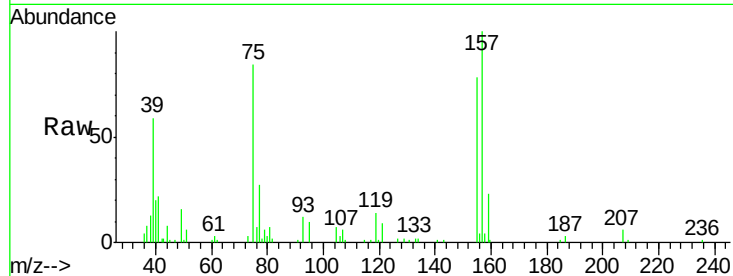
Tot Ion: 75 Resp: 23495

Ion Ratio Lower Upper

75 100

155 91.1 72.2 108.2

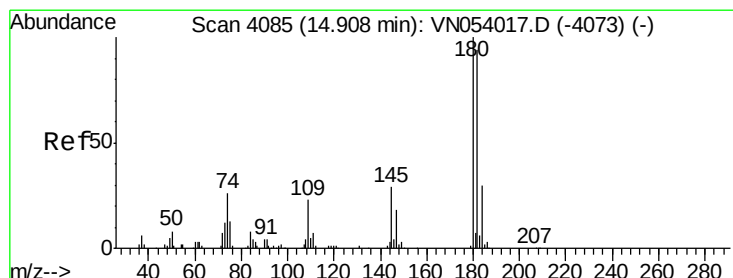
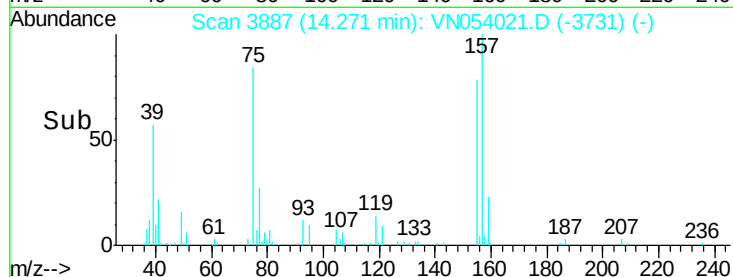
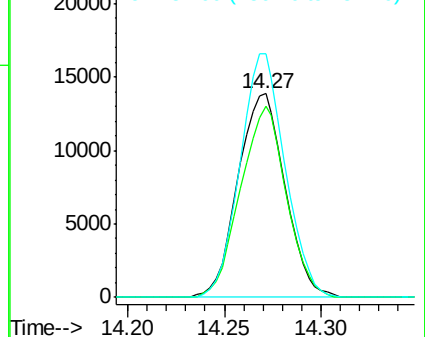
157 114.3 94.2 141.2



Abundance Ion 75.00 (74.70 to 75.70): VN054017.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN054017.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN054017.D (-3875) (-)



#89

1,2,4-Trichlorobenzene

Concen: 21.596 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

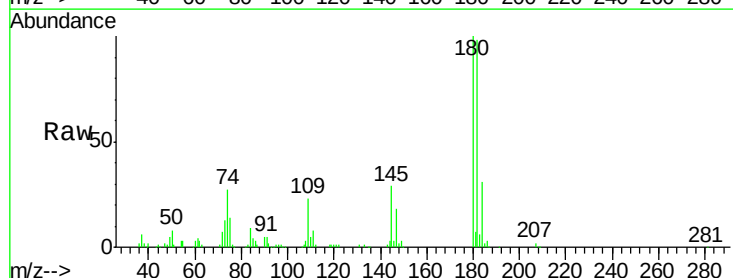
Tgt Ion:180 Resp: 150668

Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

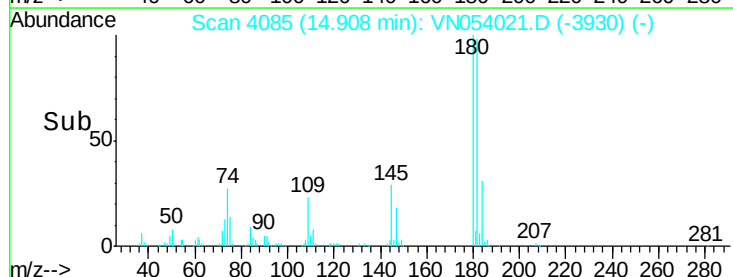
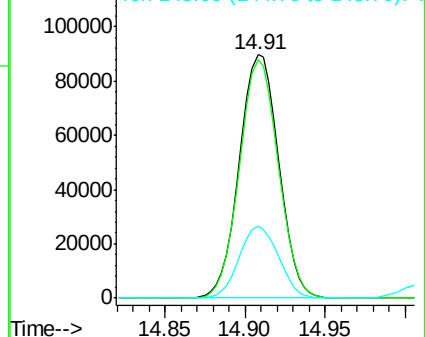
145 29.4 23.6 35.4

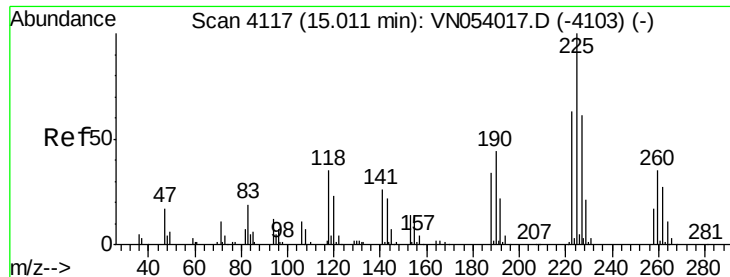


Abundance Ion 180.00 (179.70 to 180.70): VN054017.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN054017.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN054017.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 22.523 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVFN030119

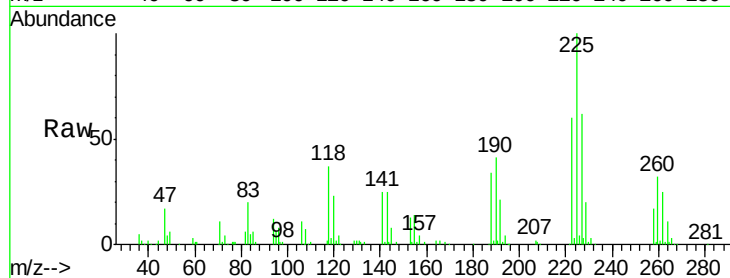
Tot Ion:225 Resp: 114170

Ion Ratio Lower Upper

225 100

223 61.1 0.0 125.6

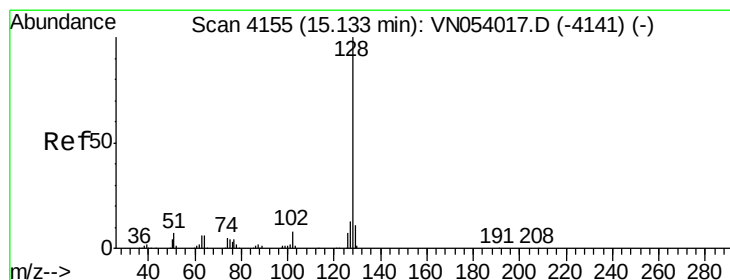
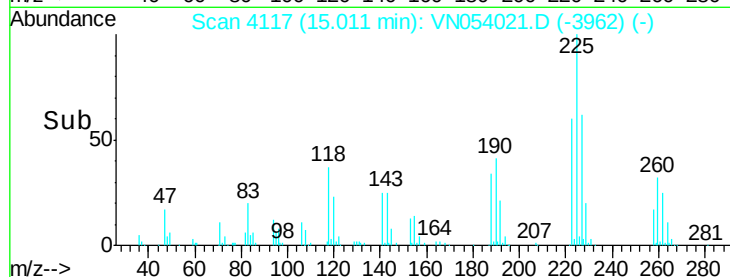
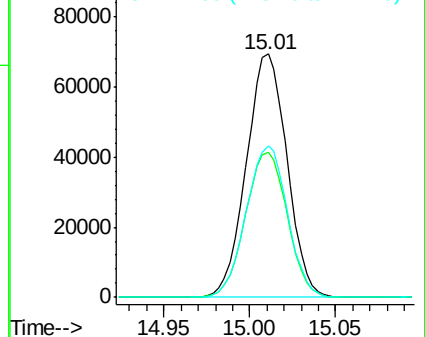
227 62.8 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 22.605 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

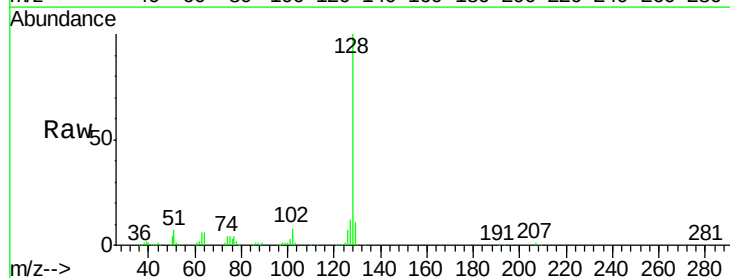
Tgt Ion:128 Resp: 297751

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

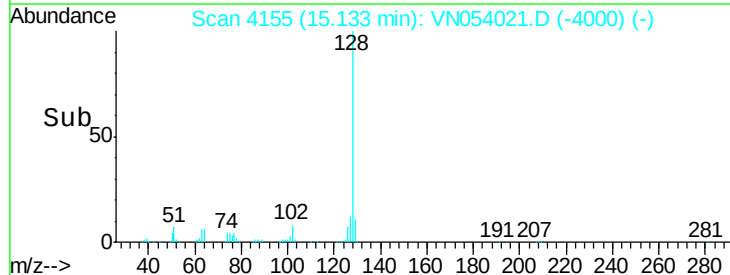
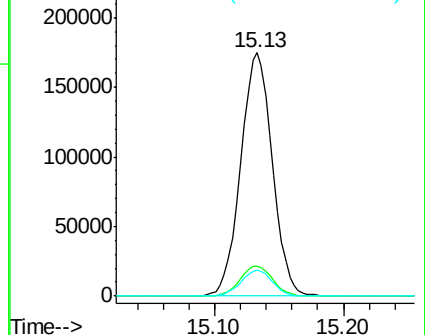
129 10.6 8.5 12.7

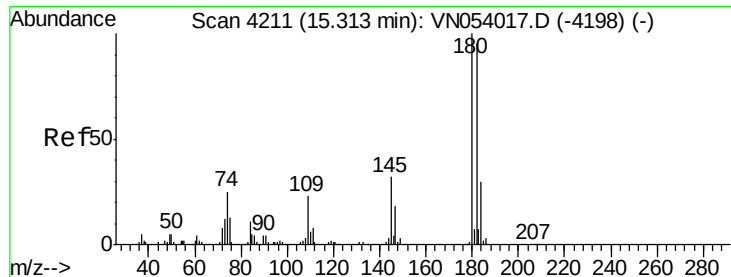


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 21.912 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	100		150966		
182	96.7	0.0	196.2		
145	29.8	0.0	62.2		

