

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054017.D
 Acq On : 1 Mar 2019 9:16
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Mar 02 00:14:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	114632	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	623741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	539925	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243040	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.40	95	244996	29.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.83%
63) Toluene-d8	10.09	98	793603	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	132125	20.385 ug/l	98
3) Chloromethane	2.06	50	173817	20.161 ug/l	100
4) Vinyl Chloride	2.19	62	174001	20.155 ug/l	98
5) Bromomethane	2.57	94	106301	20.016 ug/l	98
6) Chloroethane	2.71	64	102552	20.175 ug/l	98
7) Trichlorofluoromethane	3.02	101	213011	20.307 ug/l	97
8) Diethyl Ether	3.41	74	79931	20.262 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135713	20.124 ug/l	99
10) 1,1-Dichloroethene	3.74	96	127102	20.116 ug/l	99
11) Methyl Iodide	3.95	142	184224	19.656 ug/l	99
12) Methyl Acetate	4.32	43	102128	19.170 ug/l	97
13) Acrolein	3.60	56	55917	109.477 ug/l	99
14) Acrylonitrile	4.99	53	250044	97.669 ug/l	97
15) Acetone	3.81	58	79236	107.397 ug/l	96
16) Carbon Disulfide	4.06	76	403264	19.671 ug/l	100
17) Allyl chloride	4.32	41	224708	20.109 ug/l	99
18) Methylene Chloride	4.55	84	149055	20.429 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	137232	20.020 ug/l	98
20) Diisopropyl ether	5.95	45	443365	19.834 ug/l	94
21) 1,1-Dichloroethane	5.85	63	264185	20.011 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	153232	20.080 ug/l	# 86
23) tert-Butyl Alcohol	4.78	59	43775	95.465 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	332425	19.434 ug/l	98
25) Chloroform	7.37	83	258651	20.306 ug/l	100
26) Cyclohexane	7.65	56	237569	19.773 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	193807	19.837 ug/l	100
30) 2-Butanone	6.83	43	304922	98.846 ug/l	100
31) 2,2-Dichloropropane	6.82	77	192028	19.933 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	211222	20.099 ug/l	99
33) Carbon Tetrachloride	7.77	117	188566	20.266 ug/l	99
34) Benzene	8.04	78	585438	20.162 ug/l	97
35) Methacrylonitrile	7.18	41	73816	21.401 ug/l	90
36) 1,2-Dichloroethane	8.12	62	189501	20.324 ug/l	100
37) Trichloroethene	8.83	130	150653	19.876 ug/l	98
38) Methylcyclohexane	9.08	83	222229	19.272 ug/l	98
39) 1,2-Dichloropropane	9.12	63	161744	20.334 ug/l	98
40) Dibromomethane	9.21	93	91208	20.001 ug/l	99

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

41) Bromodichloromethane	9.40	83	192683	19.914	ug/l	98
42) Vinyl Acetate	5.90	43	1544711	96.927	ug/l	100
43) Ethyl Acetate	6.93	43	137504	21.281	ug/l #	73
44) Isopropyl Acetate	8.16	43	219652	19.373	ug/l	95
45) 1,4-Dioxane	9.20	88	26926	406.557	ug/l	98
46) Methyl methacrylate	9.20	41	101957	18.722	ug/l	97
47) n-amyl Acetate	12.07	43	151090	18.141	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	184490	19.017	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	222781	19.556	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	130024	20.327	ug/l	99
51) Ethyl methacrylate	10.43	69	144464	18.760	ug/l	99
52) 1,3-Dichloropropane	10.71	76	220393	20.075	ug/l	99
53) Dibromochloromethane	10.90	129	138117	19.650	ug/l	98
54) 1,2-Dibromoethane	11.00	107	121067	19.869	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	328446	91.912	ug/l	99
56) Bromoform	12.13	173	90398	19.370	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	596061	97.973	ug/l	97
59) 2-Hexanone	10.75	43	384562	96.746	ug/l	98
61) Tetrachloroethene	10.63	164	157584	20.995	ug/l	96
62) Toluene	10.16	91	611597	20.268	ug/l	99
64) Chlorobenzene	11.43	112	365902	19.914	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	134075	19.873	ug/l	99
66) Ethyl Benzene	11.51	91	627264	19.887	ug/l	99
67) m/p-Xylenes	11.62	106	482757	40.652	ug/l	100
68) o-Xylene	11.95	106	230298	20.006	ug/l	99
69) Styrene	11.96	104	365880	20.072	ug/l	99
70) Isopropylbenzene	12.25	105	610978	20.222	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	147315	19.754	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	181415	32.039	ug/l	44
73) Bromobenzene	12.53	156	151960	19.949	ug/l	98
74) n-propylbenzene	12.59	91	723357	20.106	ug/l	99
75) 2-Chlorotoluene	12.67	91	423801	20.116	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	518530	20.261	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36739	18.233	ug/l	97
78) 4-Chlorotoluene	12.77	91	424393	20.131	ug/l	98
79) tert-butylbenzene	12.99	119	449824	20.058	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	515932	20.255	ug/l	100
81) sec-Butylbenzene	13.17	105	619153	20.130	ug/l	99
82) p-Isopropyltoluene	13.29	119	526293	20.040	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	265266	19.743	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	251871	19.634	ug/l	99
85) n-Butylbenzene	13.62	91	437310	19.105	ug/l	99
86) Hexachloroethane	13.87	117	93990	19.142	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	259754	19.934	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21113	19.568	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	117019	17.677	ug/l	99
90) Hexachlorobutadiene	15.01	225	95570	19.870	ug/l	99
91) Naphthalene	15.13	128	219804	19.143	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	120790	18.477	ug/l	97

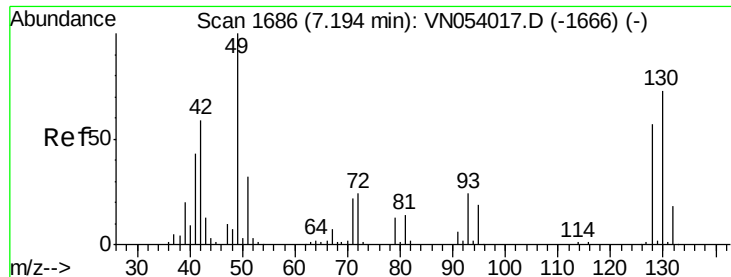
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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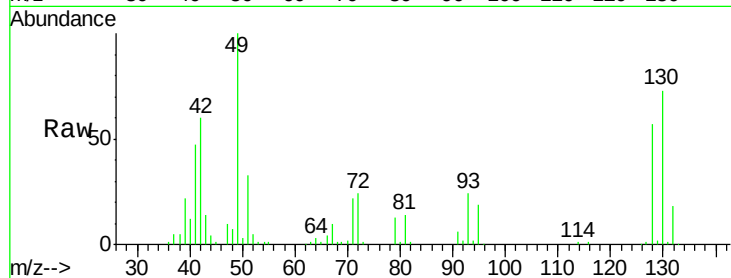
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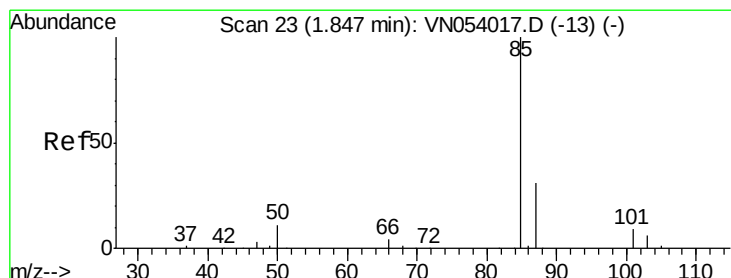
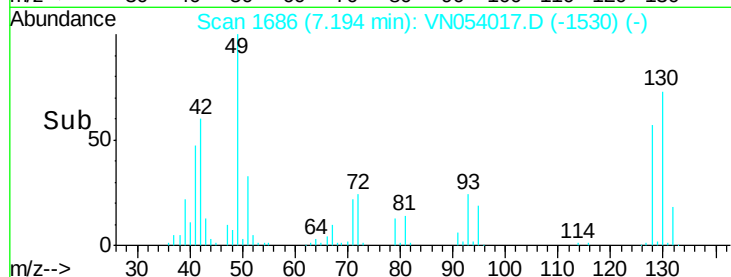
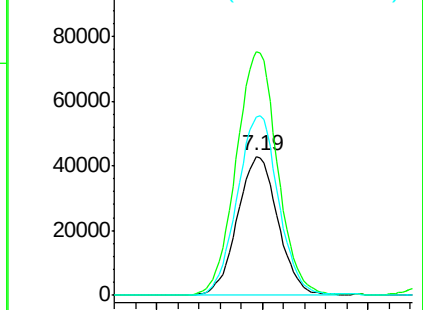
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:128 Resp: 114632
Ion Ratio Lower Upper
128 100
49 179.3 0.0 431.8
130 131.5 0.0 317.0

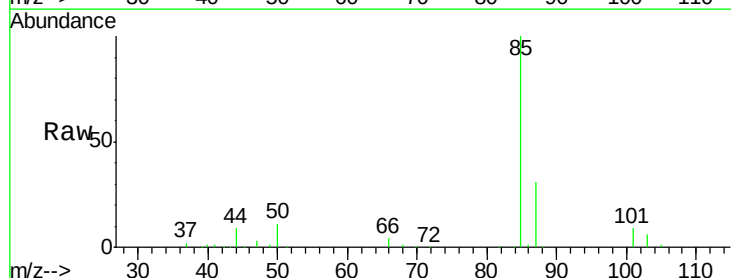


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

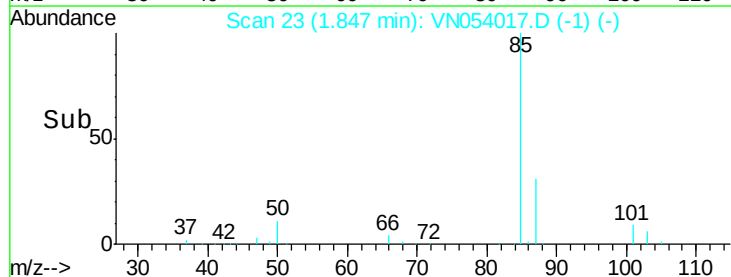
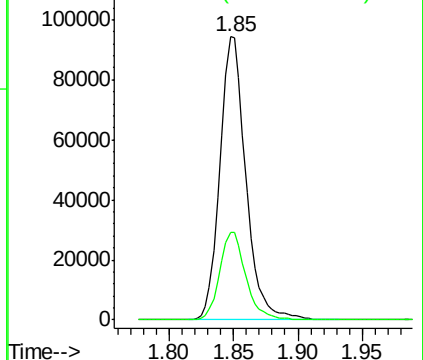


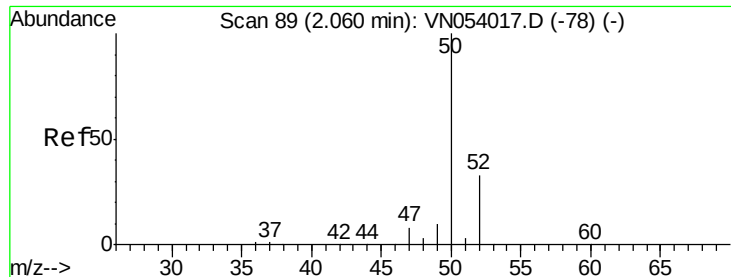
#2
Dichlorodifluoromethane
Concen: 20.385 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 85 Resp: 132125
Ion Ratio Lower Upper
85 100
87 31.1 16.1 48.3



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

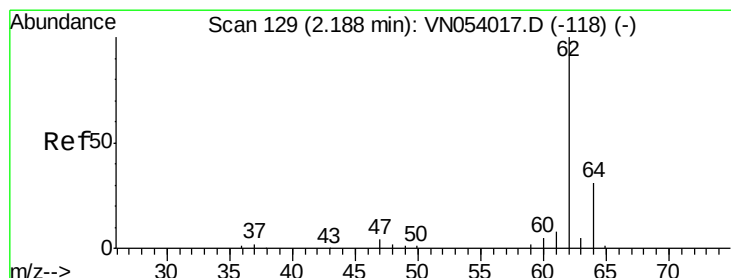
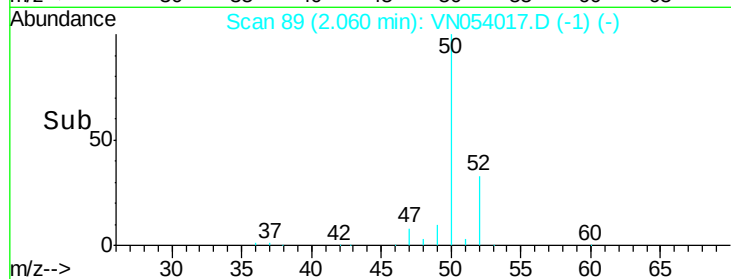
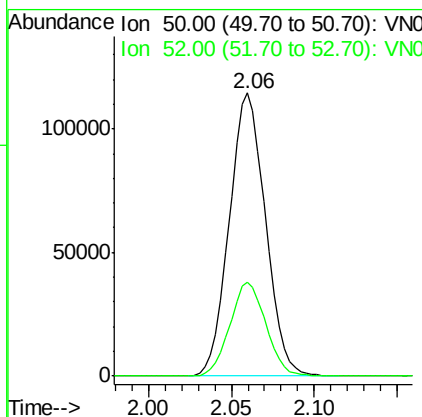
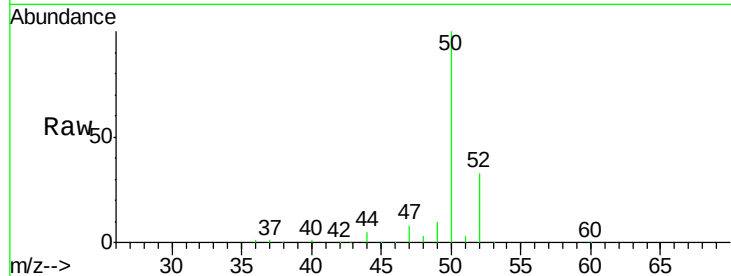




#3
Chloromethane
Concen: 20.161 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

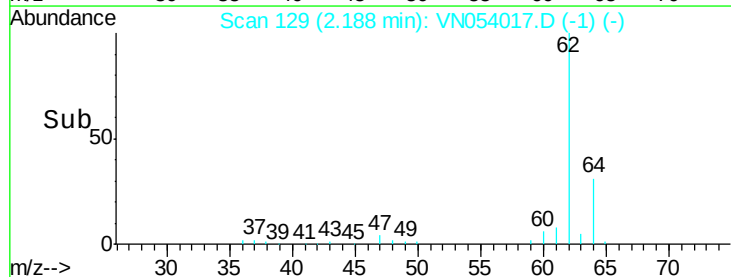
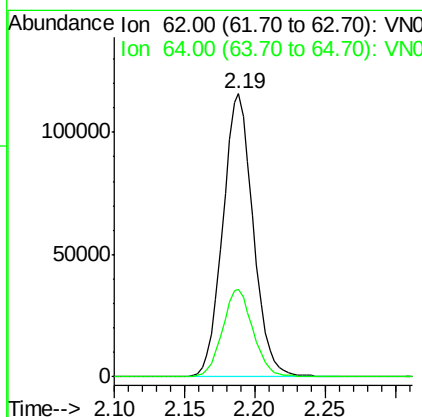
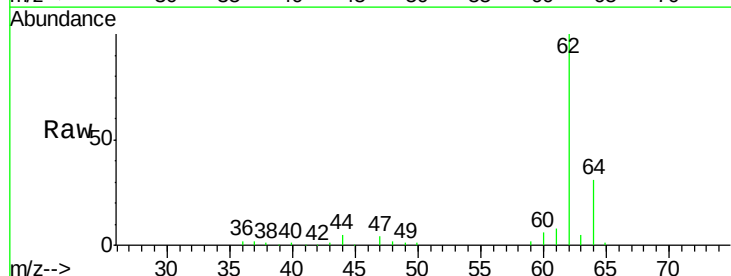
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

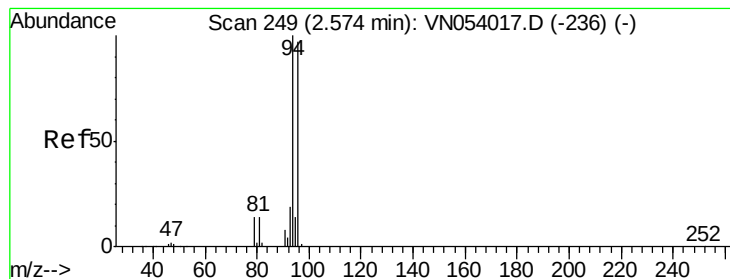
Tot Ion: 50 Resp: 173817
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7



#4
Vinyl Chloride
Concen: 20.155 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 62 Resp: 174001
Ion Ratio Lower Upper
62 100
64 31.2 24.2 36.4





#5

Bromomethane

Concen: 20.016 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

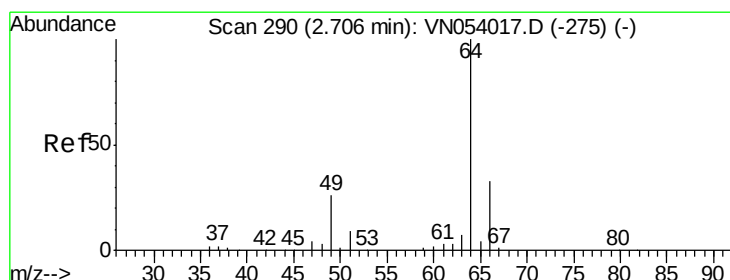
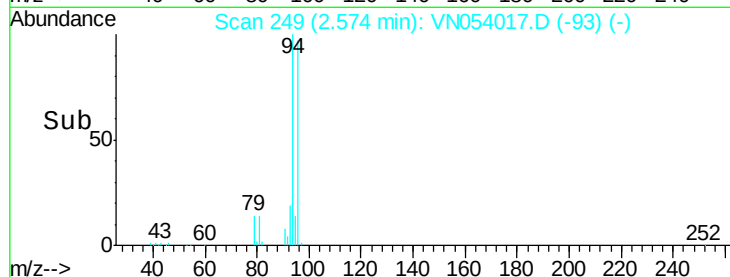
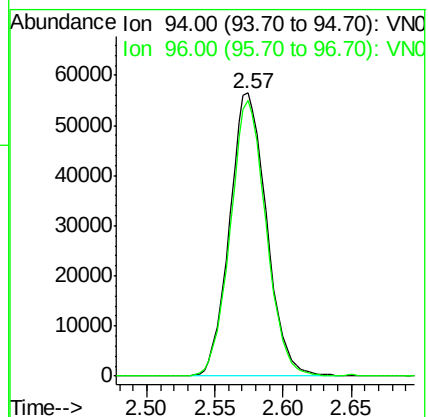
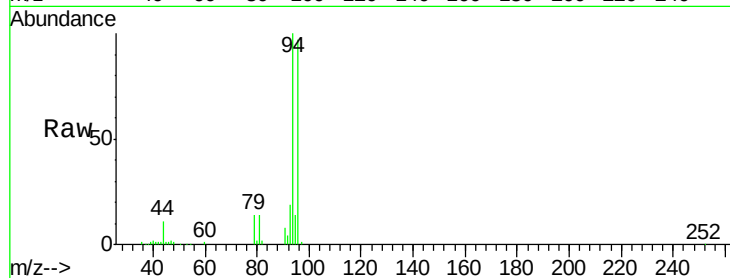
VSTDICCC020

Tot Ion: 94 Resp: 106301

Ion Ratio Lower Upper

94 100

96 97.4 76.2 114.2



#6

Chloroethane

Concen: 20.175 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054017.D

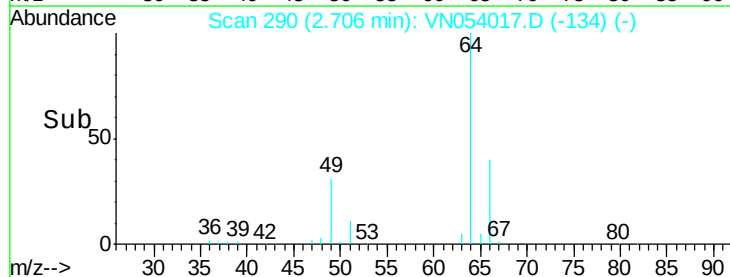
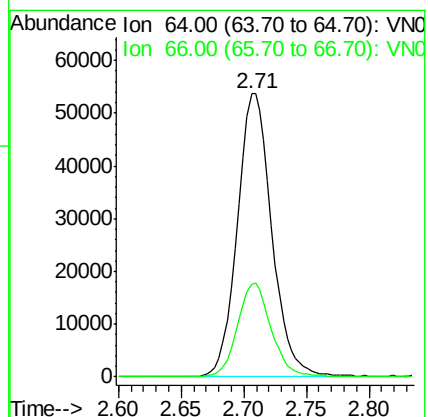
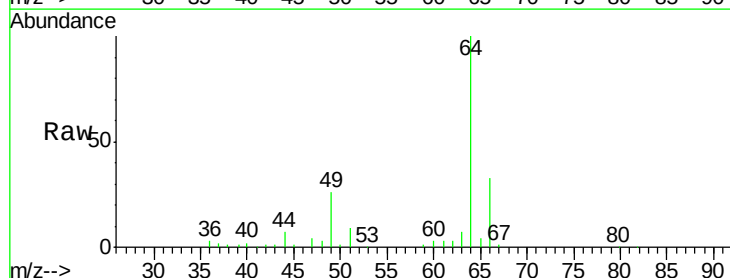
Acq: 1 Mar 2019 9:16

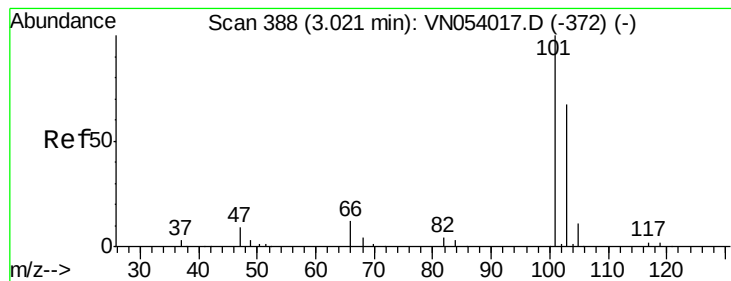
Tgt Ion: 64 Resp: 102552

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



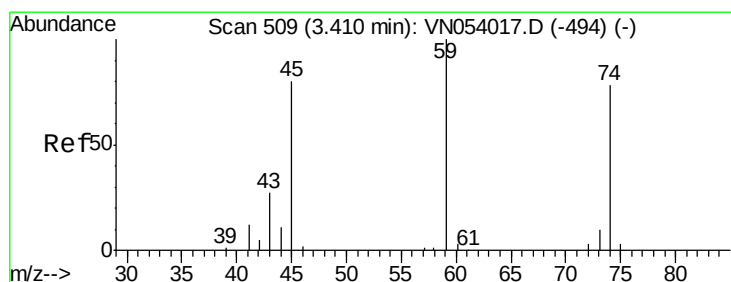
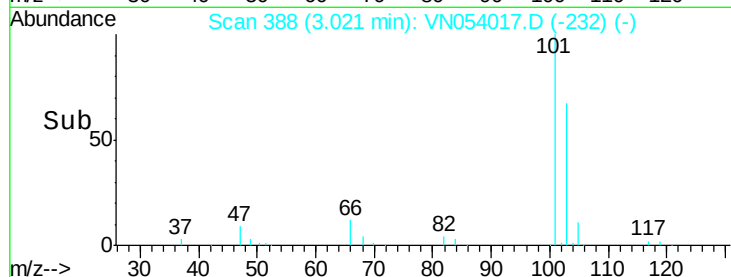
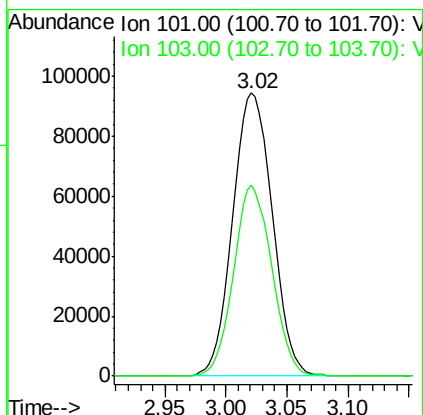
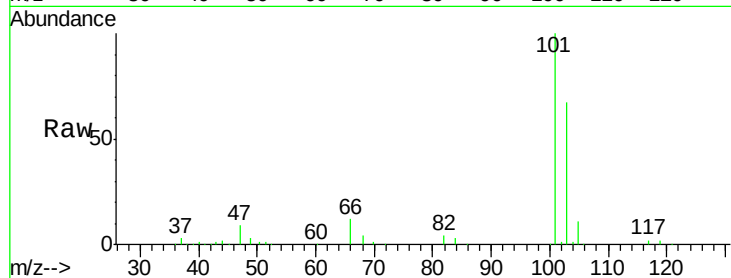


#7

Trichlorofluoromethane
 Concen: 20.307 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
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 ClientSampleId :
 VSTDICCC020

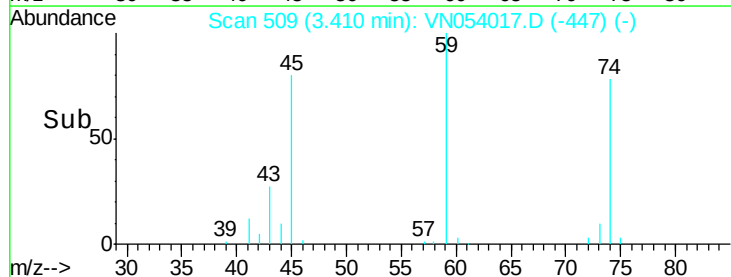
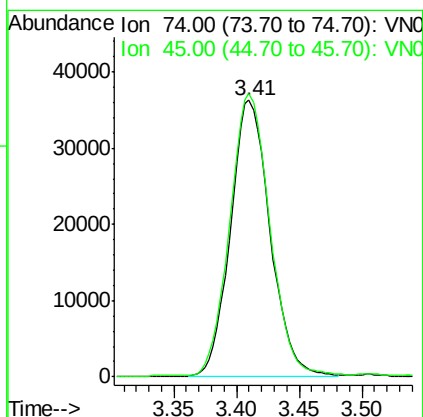
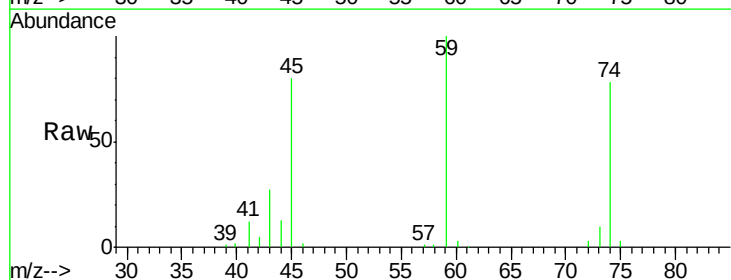
Tot Ion:101 Resp: 213011
 Ion Ratio Lower Upper
 101 100
 103 67.4 52.1 78.1

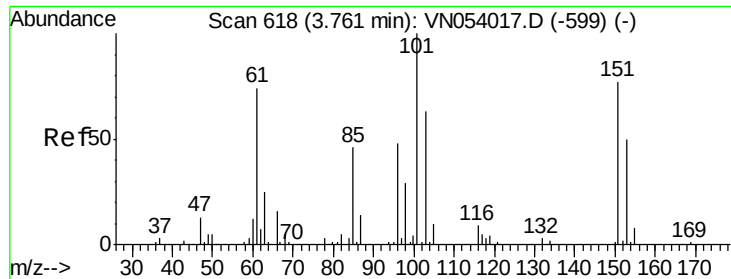


#8

Diethyl Ether
 Concen: 20.262 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 74 Resp: 79931
 Ion Ratio Lower Upper
 74 100
 45 101.7 20.6 185.8

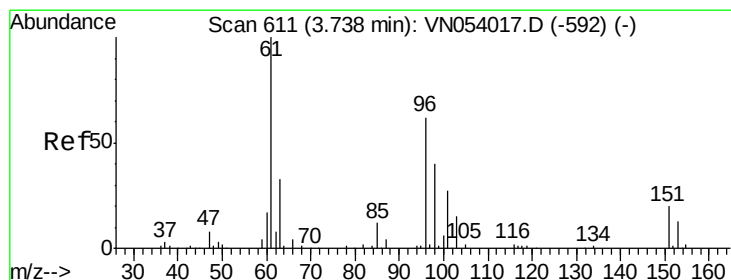
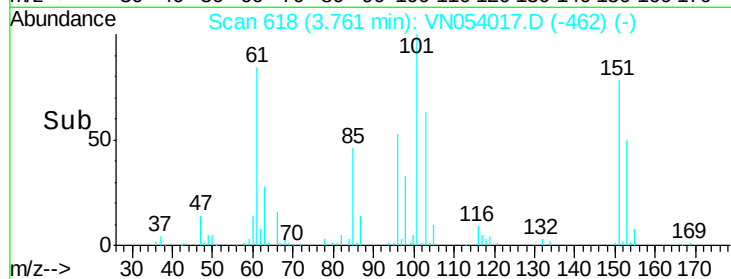
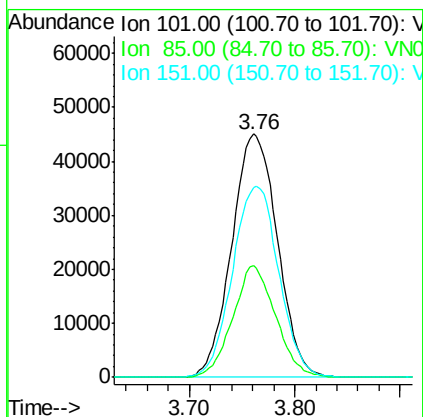
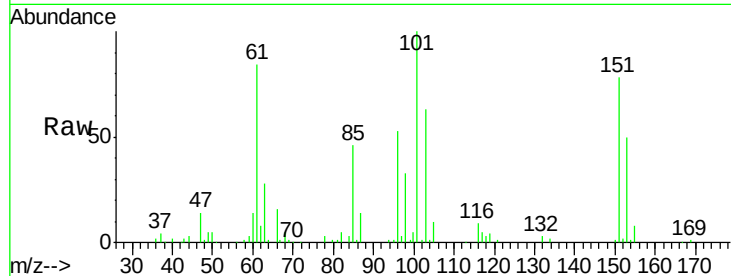




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.124 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN054017.D
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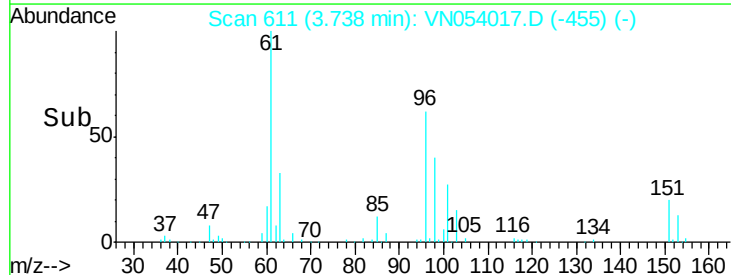
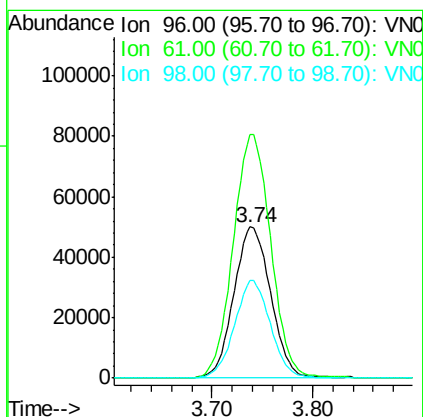
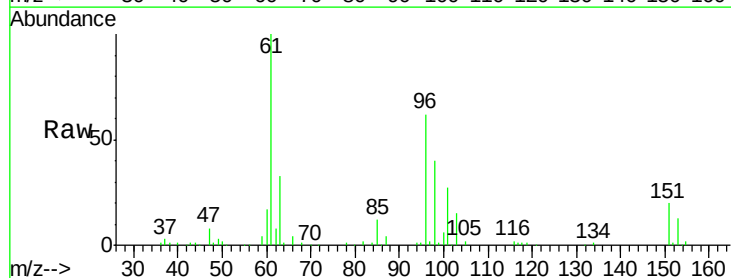
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

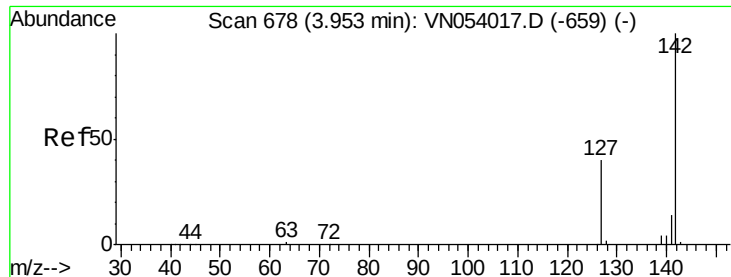
Tot Ion:101 Resp: 135713
 Ion Ratio Lower Upper
 101 100
 85 42.9 0.0 82.6
 151 79.6 0.0 158.4



#10
 1,1-Dichloroethene
 Concen: 20.116 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 96 Resp: 127102
 Ion Ratio Lower Upper
 96 100
 61 160.8 129.4 194.2
 98 64.8 50.4 75.6

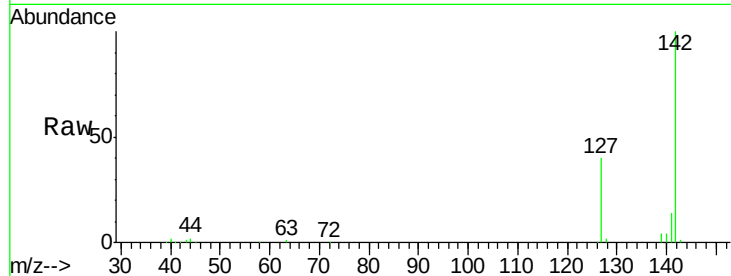




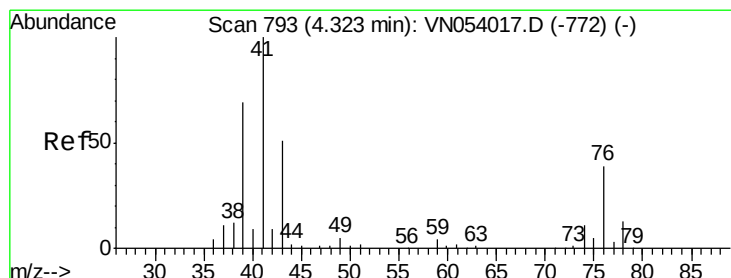
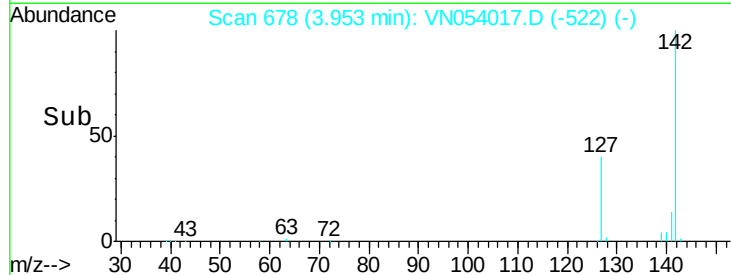
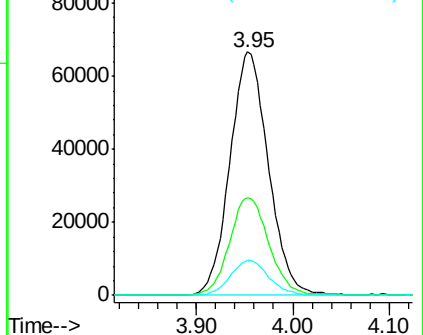
#11
Methyl Iodide
Concen: 19.656 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:142 Resp: 184224
Ion Ratio Lower Upper
142 100
127 39.7 19.4 58.1
141 14.5 7.2 21.6

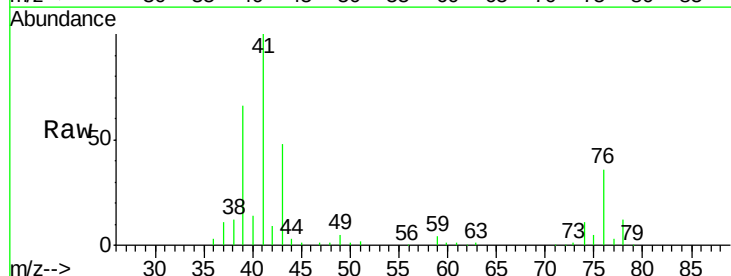


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

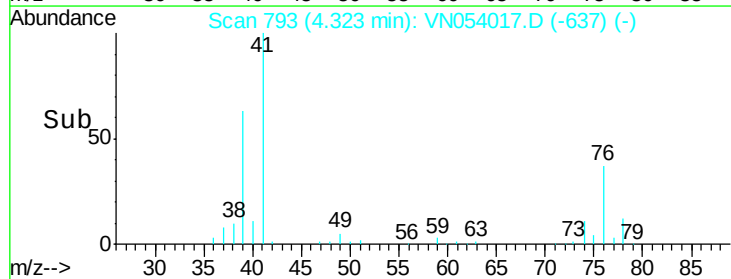
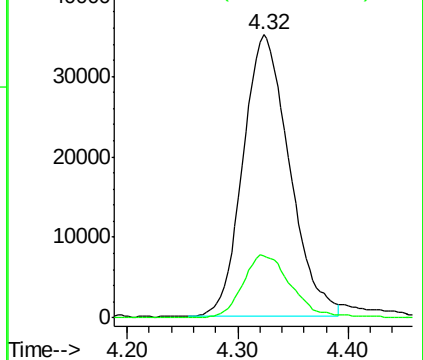


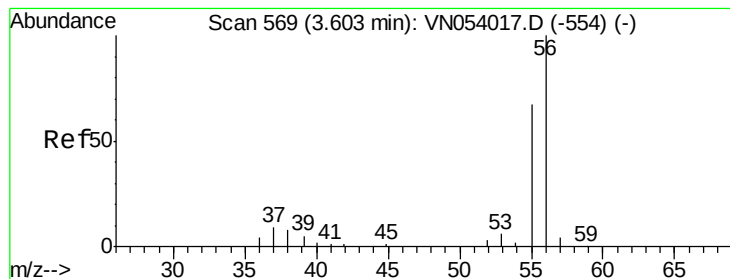
#12
Methyl Acetate
Concen: 19.170 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 43 Resp: 102128
Ion Ratio Lower Upper
43 100
74 22.0 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: 109.477 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

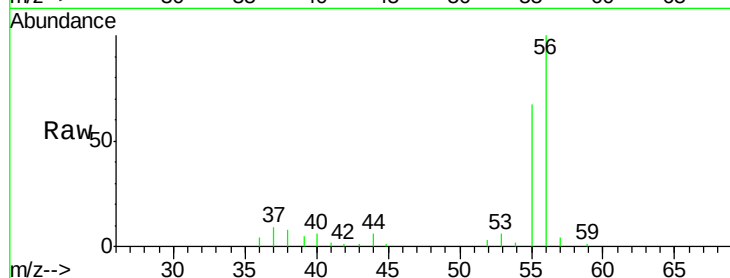
VSTDICCC020

Tot Ion: 56 Resp: 55917

Ion Ratio Lower Upper

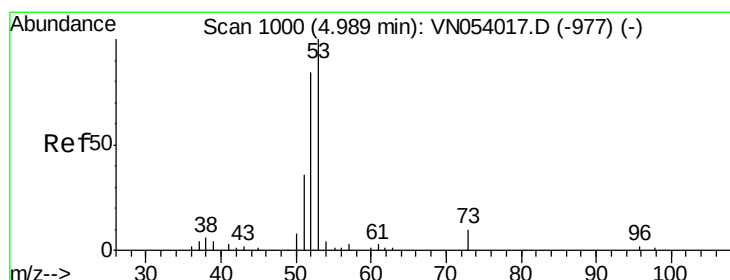
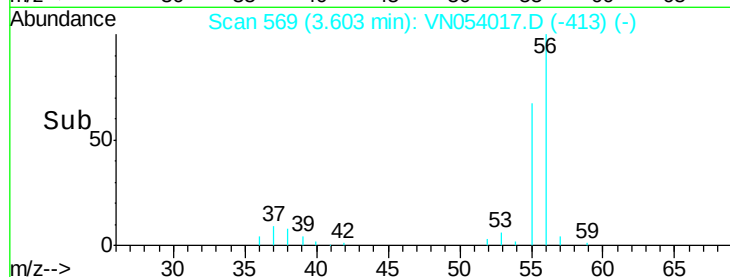
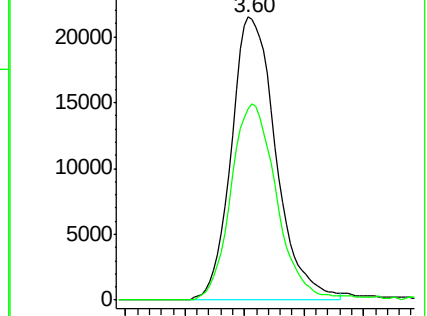
56 100

55 69.8 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: 97.669 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

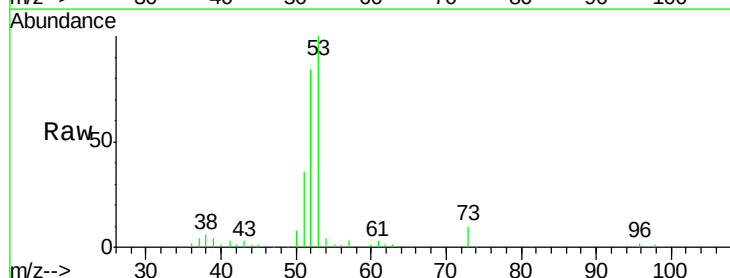
Tgt Ion: 53 Resp: 250044

Ion Ratio Lower Upper

53 100

52 82.8 39.9 119.7

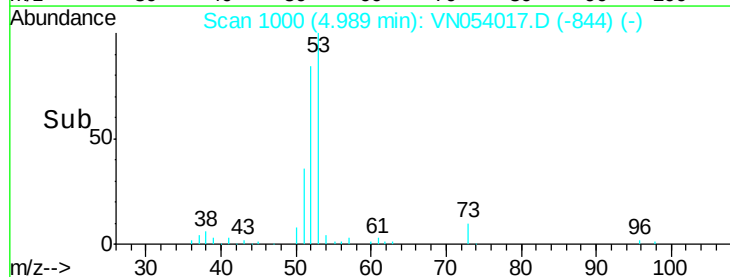
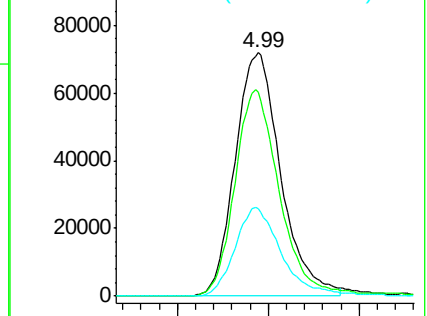
51 36.7 17.6 52.9

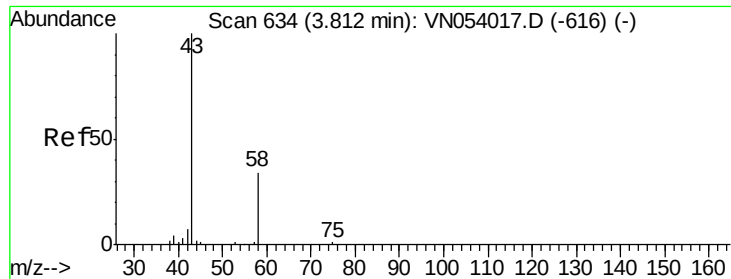


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.397 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

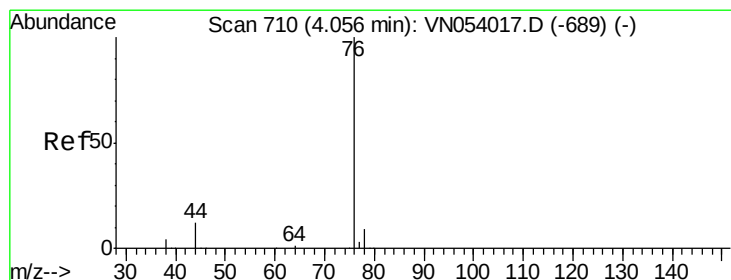
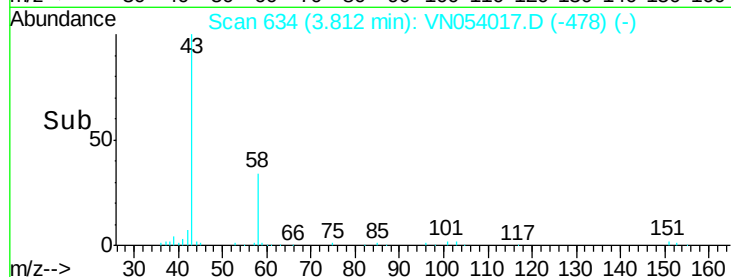
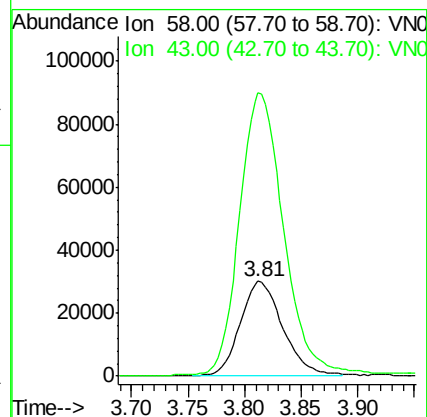
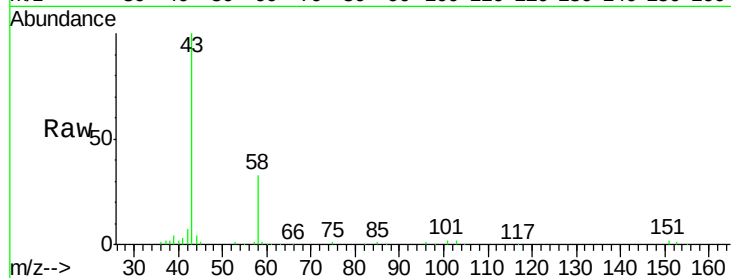
VSTDICCC020

Tot Ion: 58 Resp: 79236

Ion Ratio Lower Upper

58 100

43 296.8 243.6 365.4



#16

Carbon Disulfide

Concen: 19.671 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054017.D

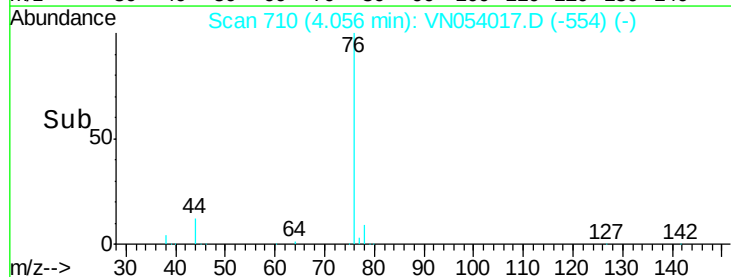
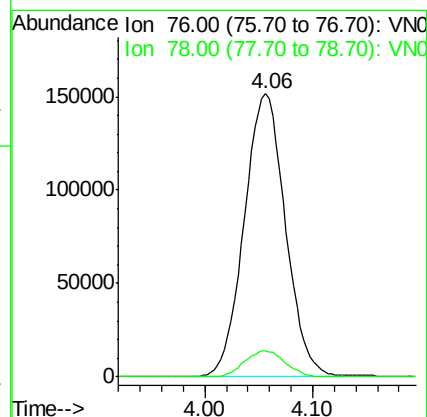
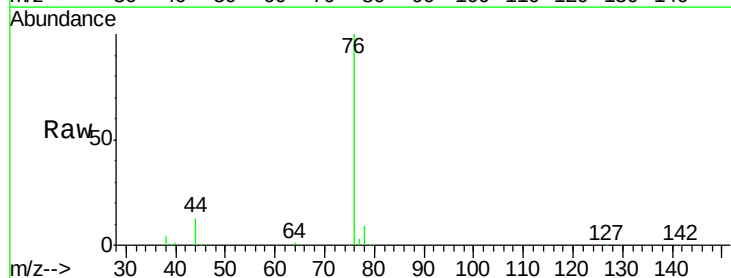
Acq: 1 Mar 2019 9:16

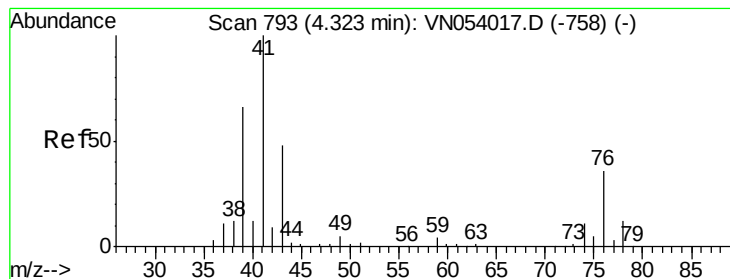
Tgt Ion: 76 Resp: 403264

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

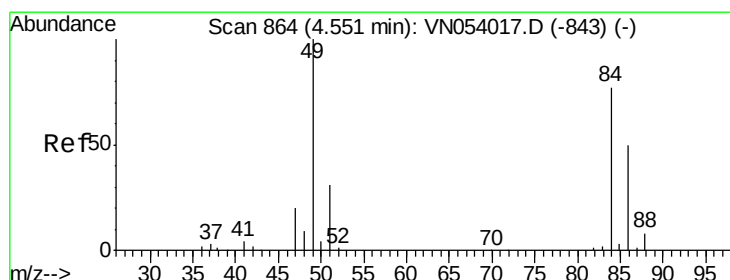
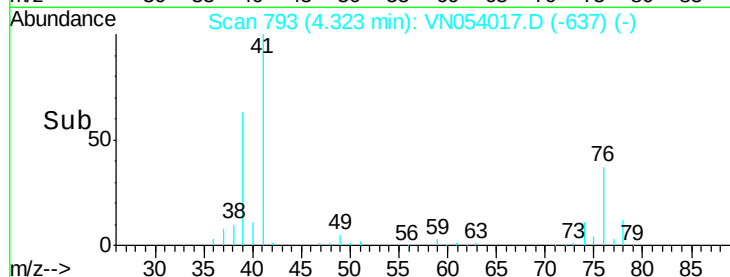
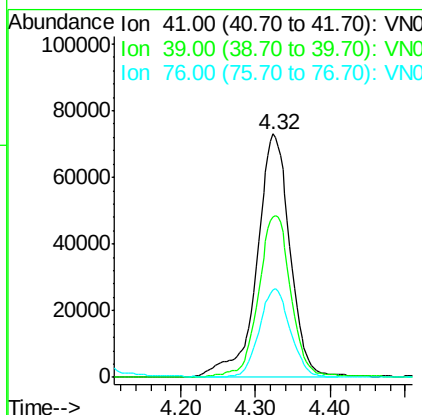
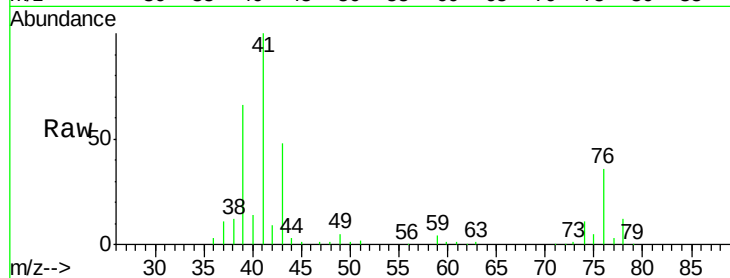




#17
Allvl chloride
Concen: 20.109 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

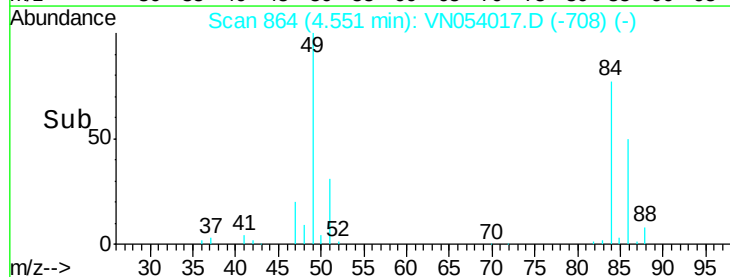
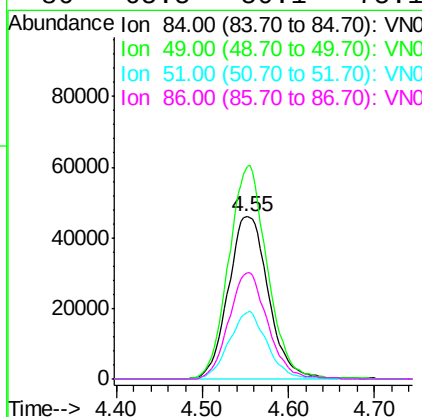
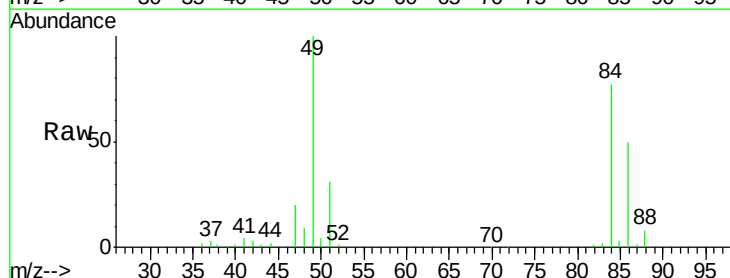
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

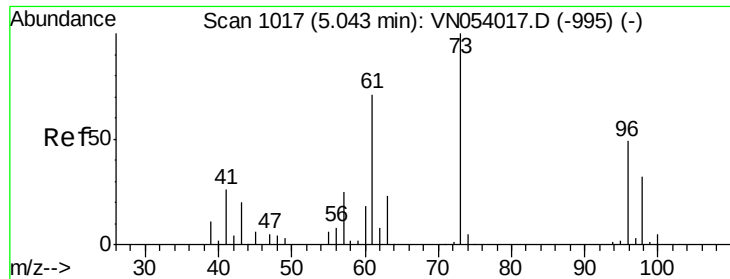
Tot Ion: 41 Resp: 224708
Ion Ratio Lower Upper
41 100
39 65.9 32.8 98.3
76 36.1 18.6 55.8



#18
Methylene Chloride
Concen: 20.429 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 84 Resp: 149055
Ion Ratio Lower Upper
84 100
49 130.6 101.4 152.0
51 41.0 31.7 47.5
86 65.5 50.1 75.1

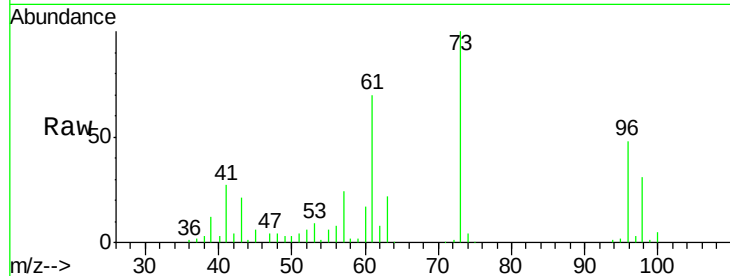




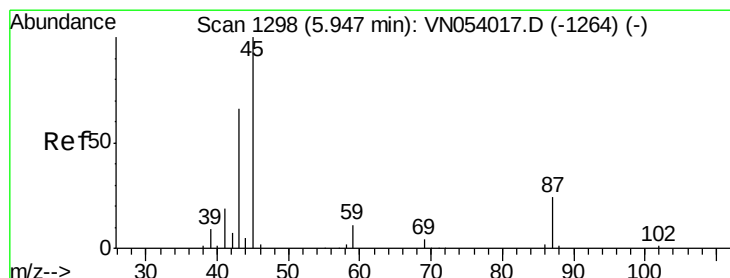
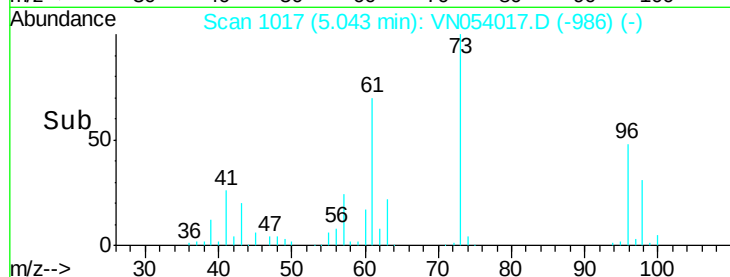
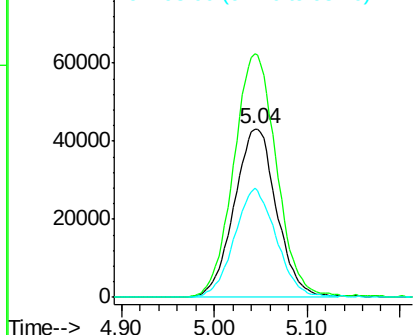
#19
trans-1,2-Dichloroethene
Concen: 20.020 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 137232
Ion Ratio Lower Upper
96 100
61 143.8 118.2 177.4
98 64.4 51.4 77.2

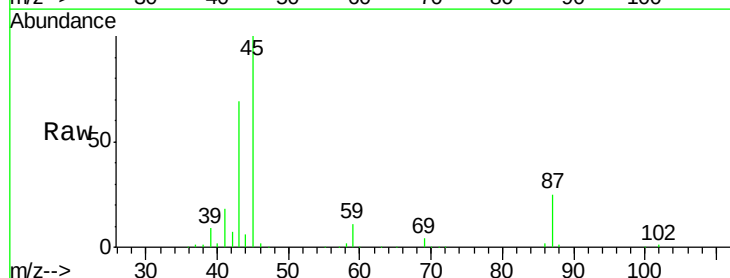


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

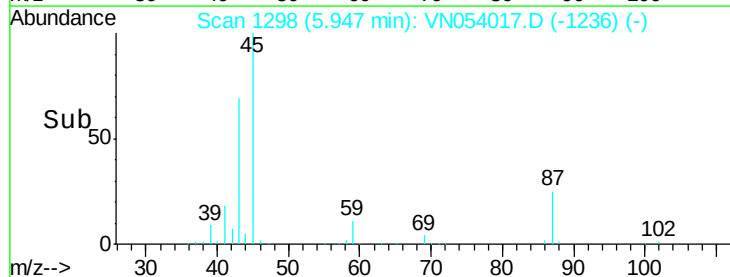
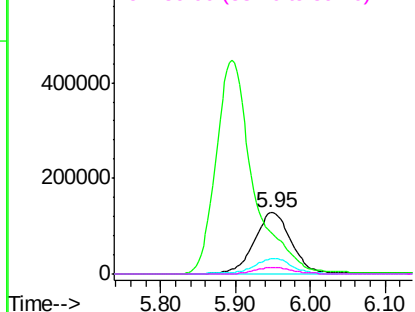


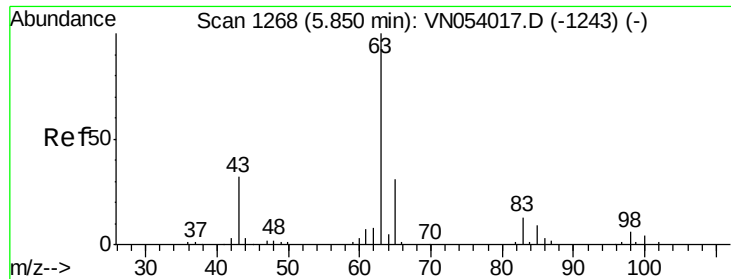
#20
Diisopropyl ether
Concen: 19.834 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 45 Resp: 443365
Ion Ratio Lower Upper
45 100
43 66.1 47.8 71.8
87 24.3 21.3 31.9
59 10.7 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

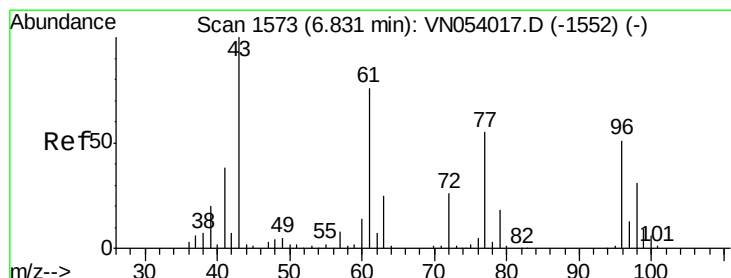
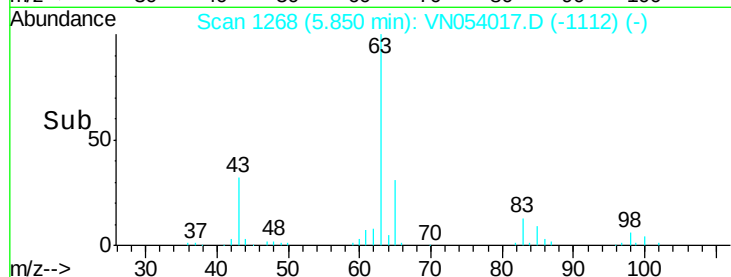
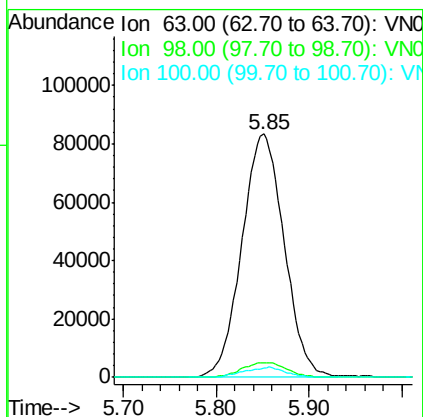
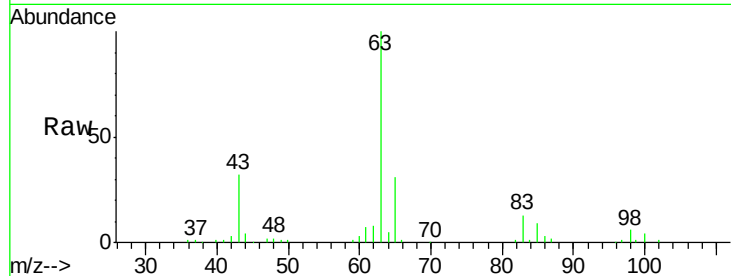




#21
 1,1-Dichloroethane
 Concen: 20.011 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

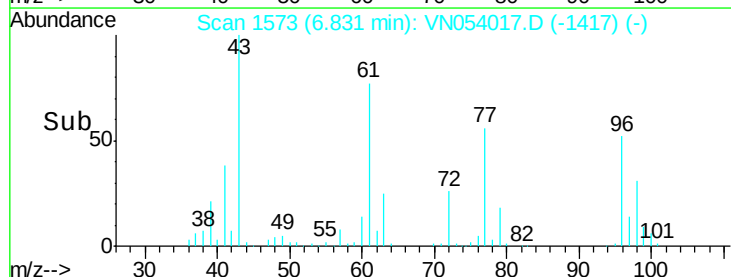
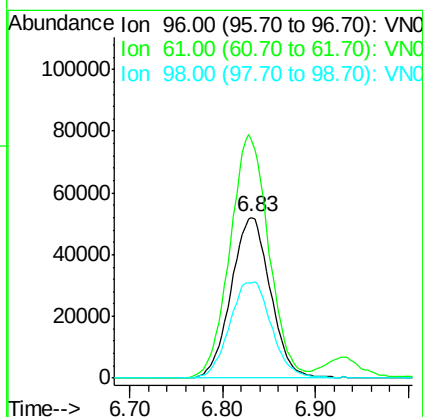
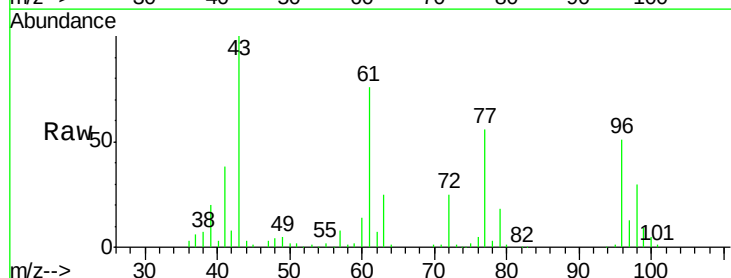
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

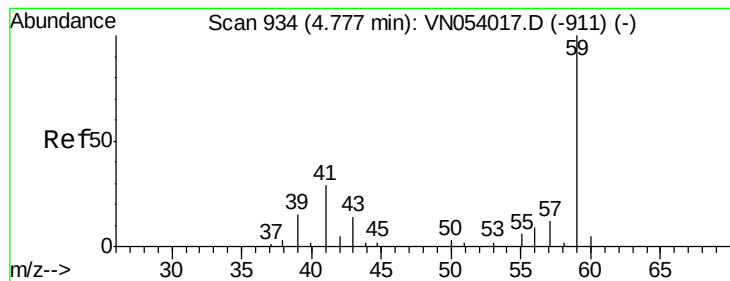
Tot Ion: 63 Resp: 264185
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.7 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.080 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 96 Resp: 153232
 Ion Ratio Lower Upper
 96 100
 61 149.0 116.7 175.1
 98 30.9 50.8 76.2#



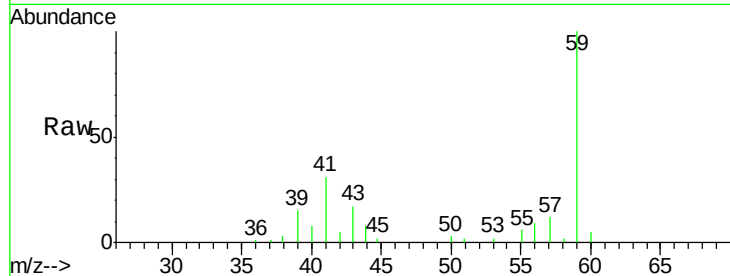


#23

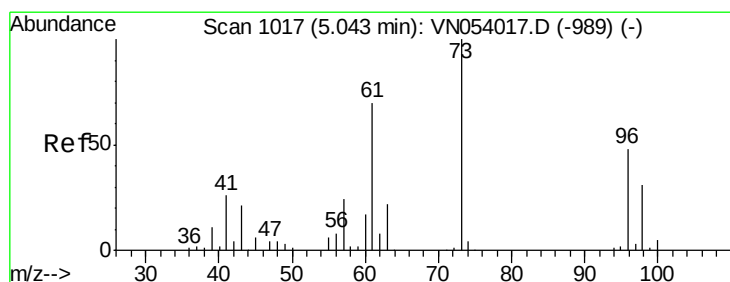
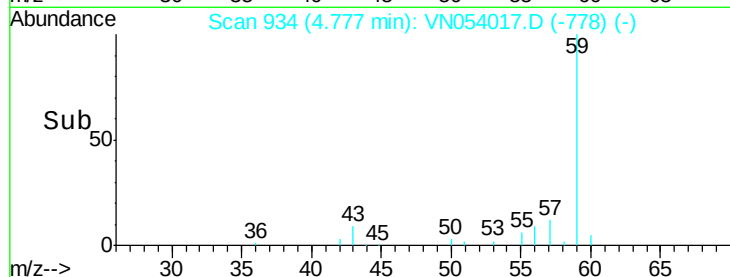
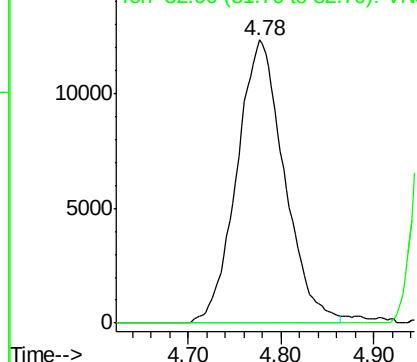
tert-Butyl Alcohol
 Concen: 95.465 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 59 Resp: 43775
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



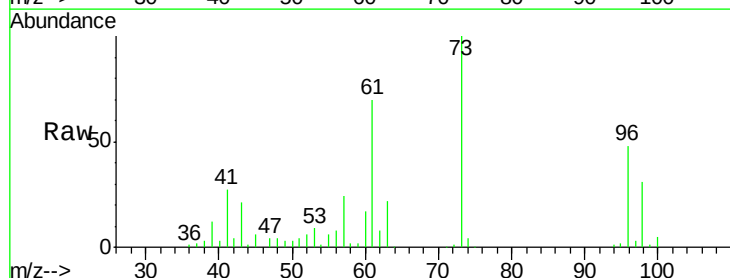
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



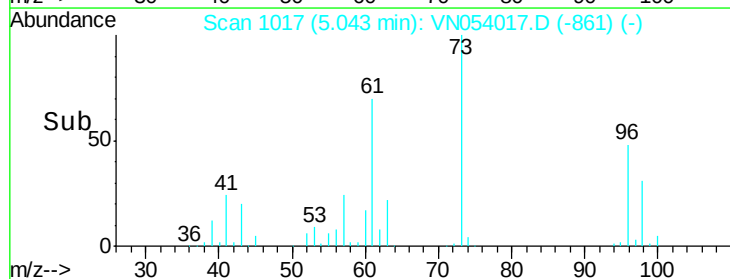
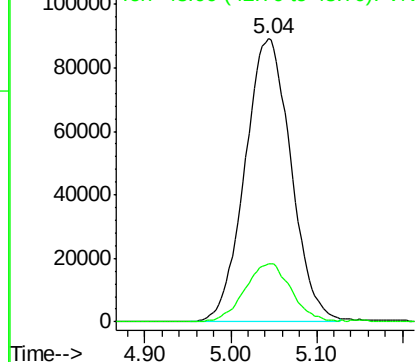
#24

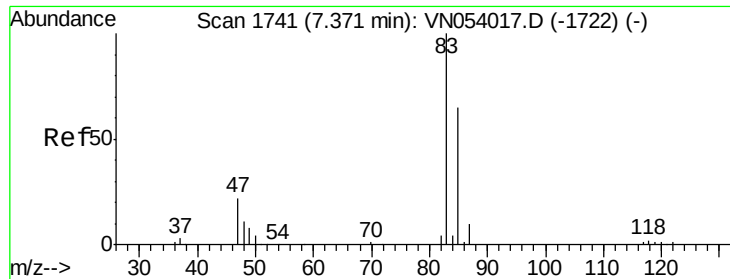
Methyl tert-Butyl Ether
 Concen: 19.434 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 73 Resp: 332425
 Ion Ratio Lower Upper
 73 100
 43 20.8 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

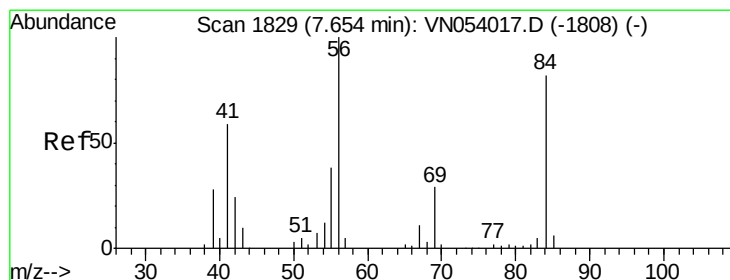
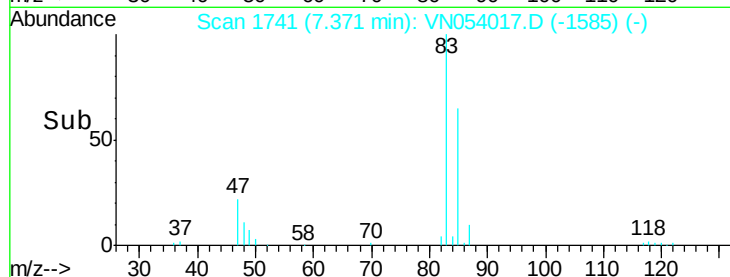
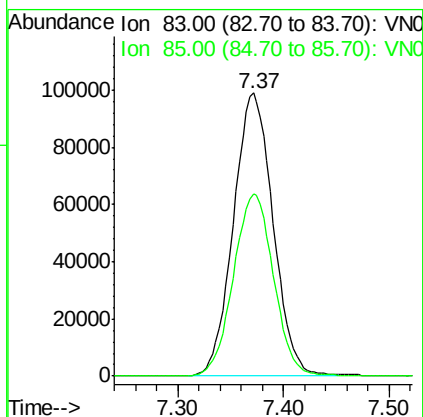
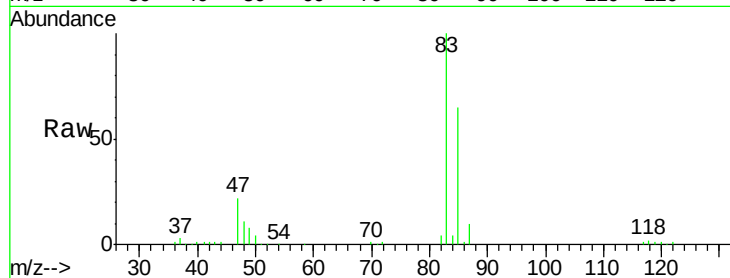




#25
Chloroform
Concen: 20.306 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

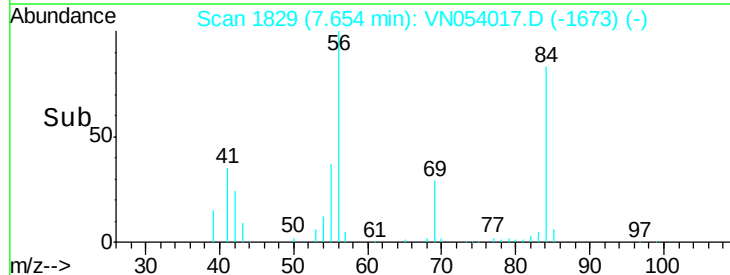
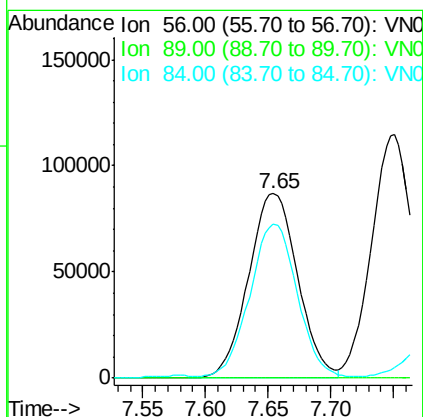
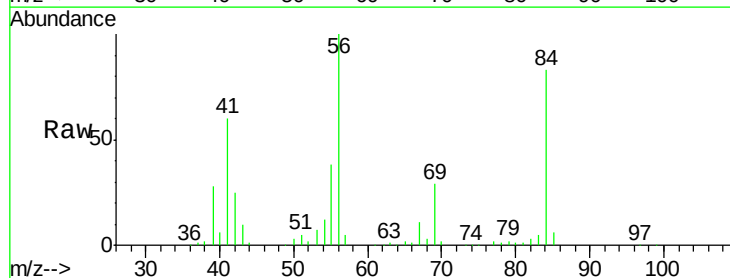
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

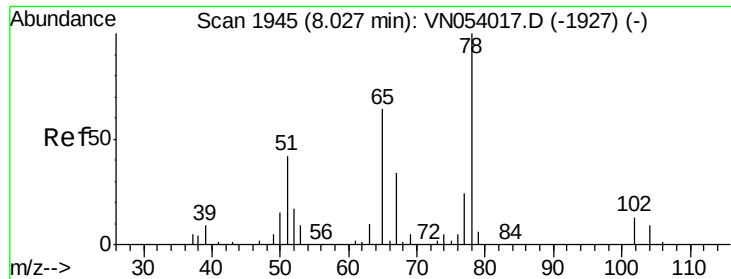
Tot Ion: 83 Resp: 258651
Ion Ratio Lower Upper
83 100
85 64.5 51.7 77.5



#26
Cyclohexane
Concen: 19.773 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 56 Resp: 237569
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 81.4 66.2 99.2

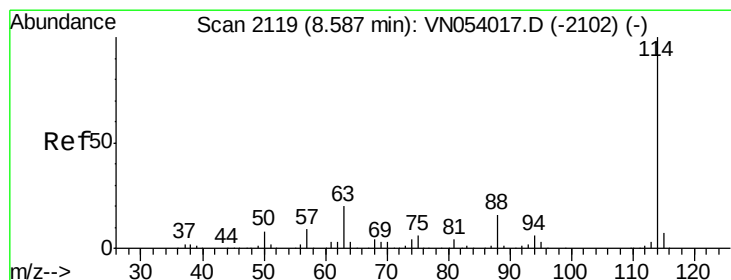
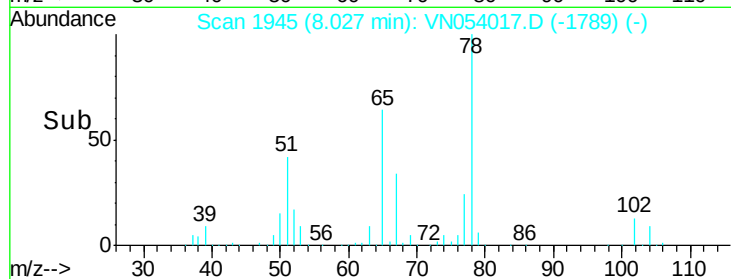
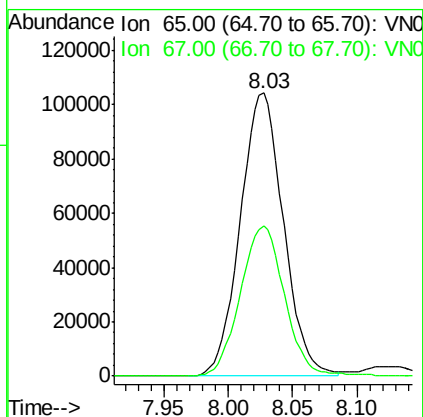
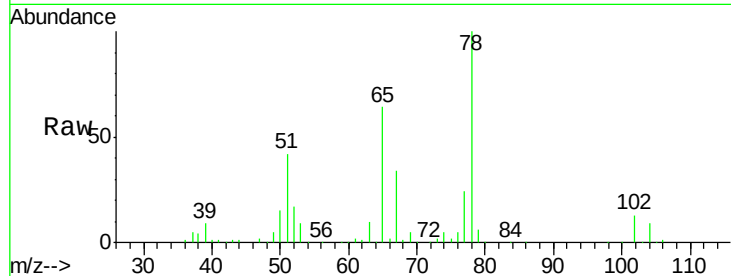




#27
 1,2-Dichloroethane-d4
 Concen: 19.773 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

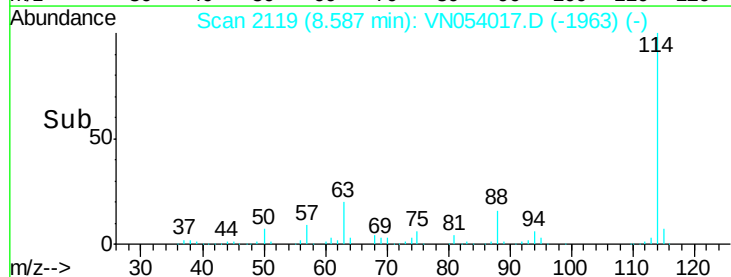
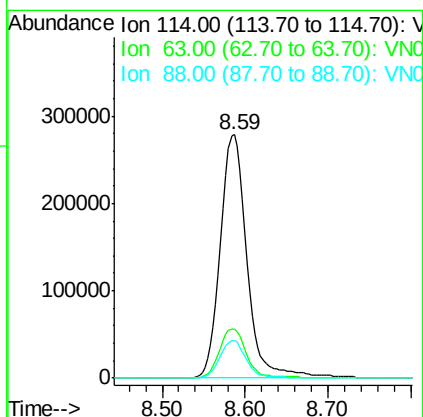
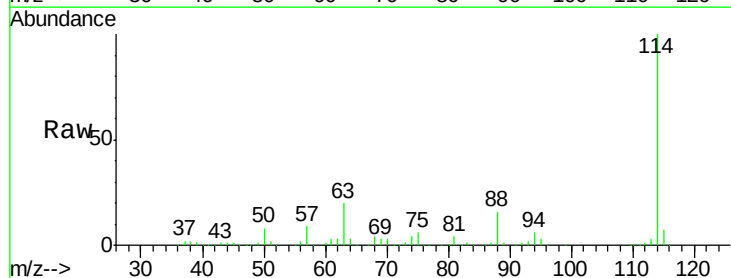
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

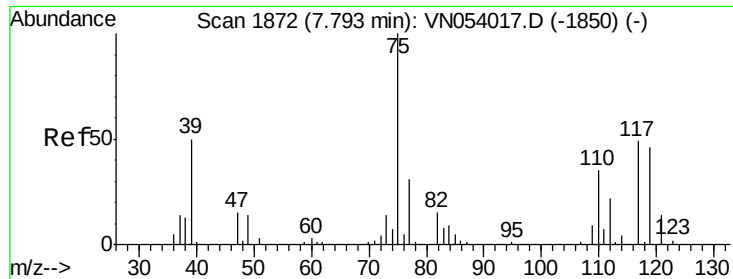
Tot Ion: 65 Resp: 243040
 Ion Ratio Lower Upper
 65 100
 67 54.3 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 114 Resp: 623741
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.9 25.3
 88 15.3 12.8 19.2

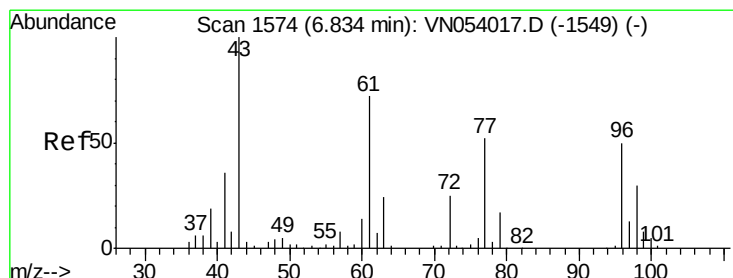
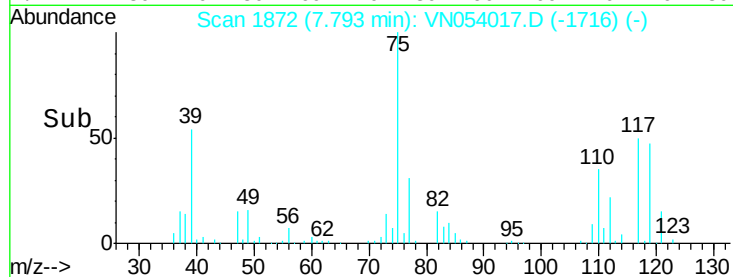
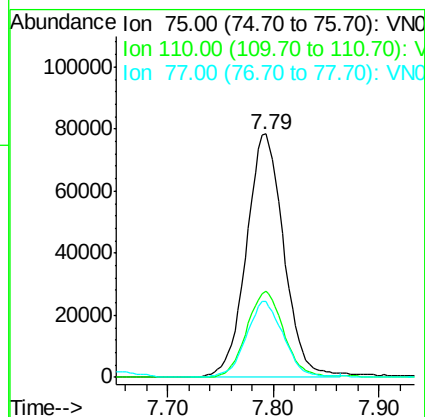
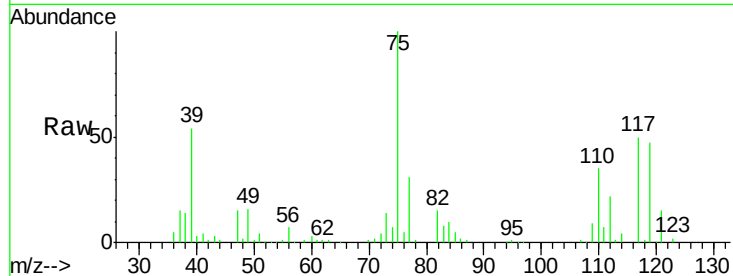




#29
 1,1-Dichloropropene
 Concen: 19.837 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

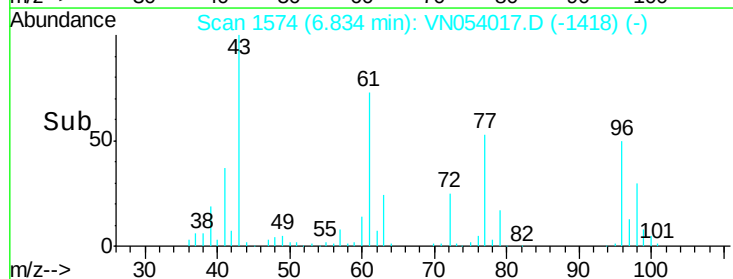
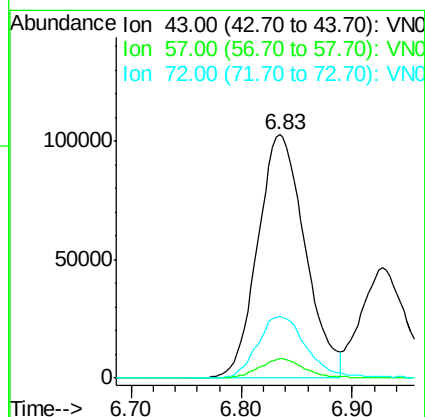
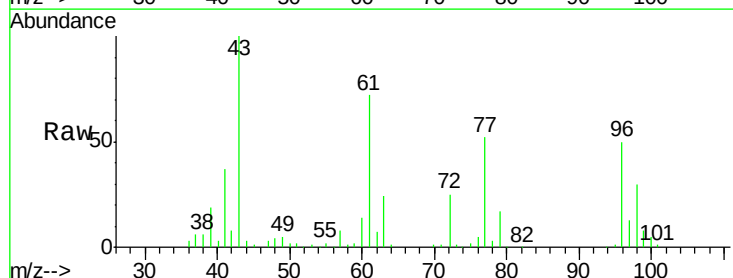
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

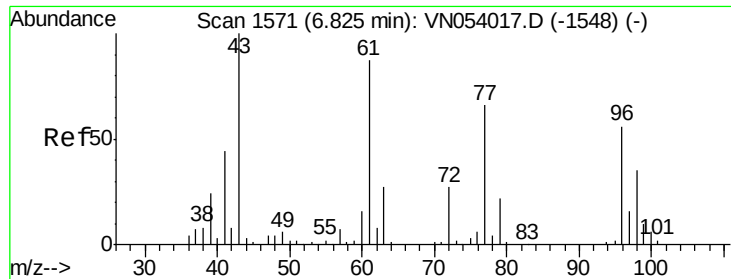
Tot Ion: 75 Resp: 193807
 Ion Ratio Lower Upper
 75 100
 110 35.0 0.0 70.2
 77 31.0 0.0 62.6



#30
 2-Butanone
 Concen: 98.846 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 43 Resp: 304922
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.2 9.4
 72 26.2 21.0 31.6

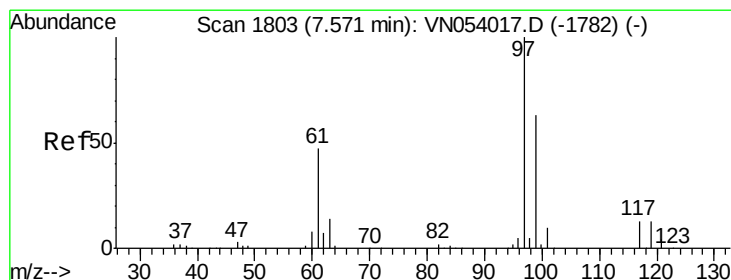
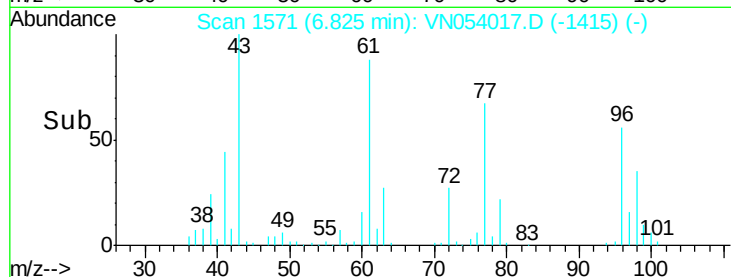
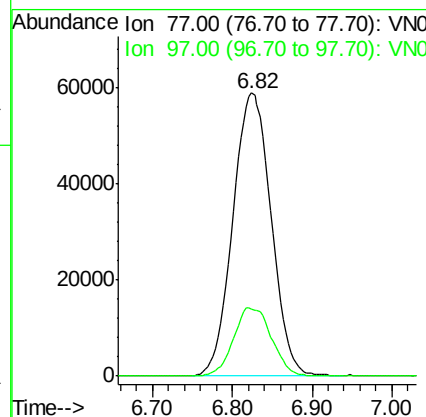
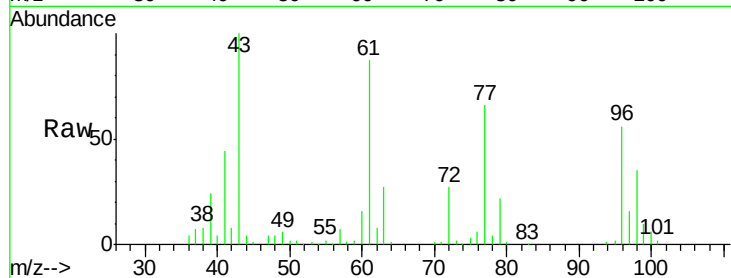




#31
 2,2-Dichloropropane
 Concen: 19.933 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

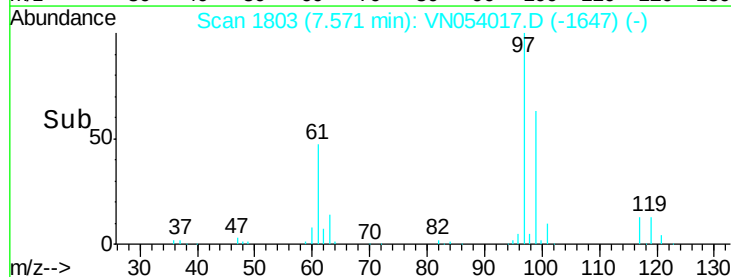
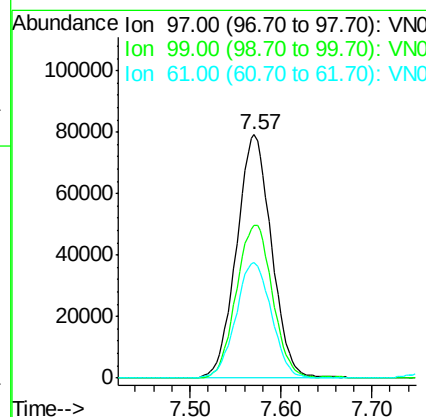
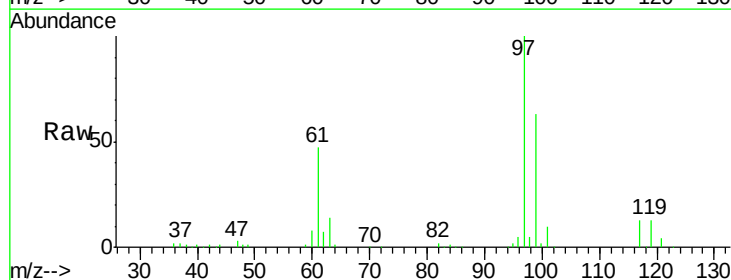
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

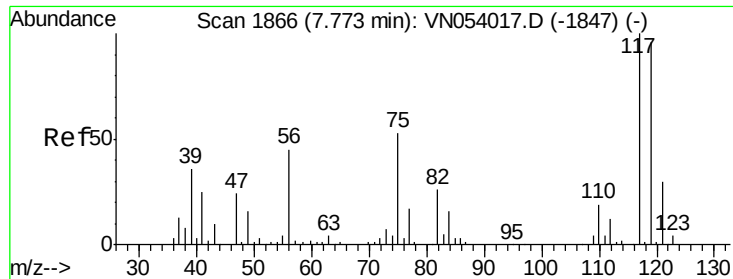
Tot Ion: 77 Resp: 192028
 Ion Ratio Lower Upper
 77 100
 97 23.9 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.099 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 97 Resp: 211222
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.9 76.3
 61 48.2 38.1 57.1

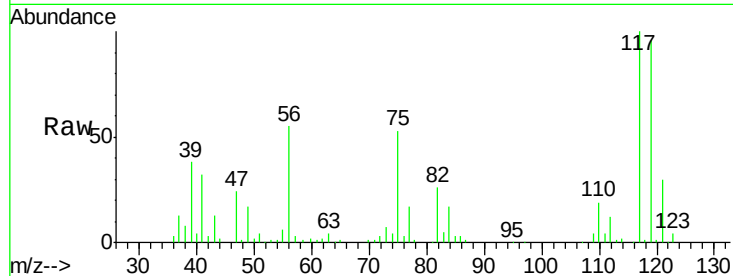




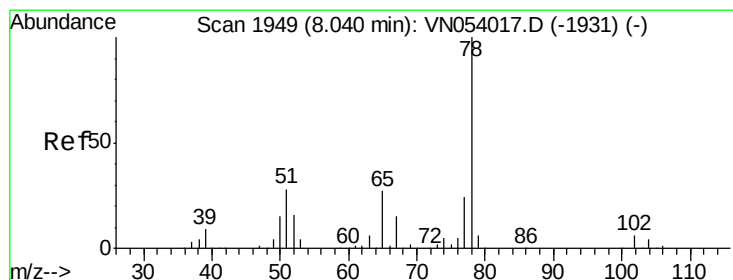
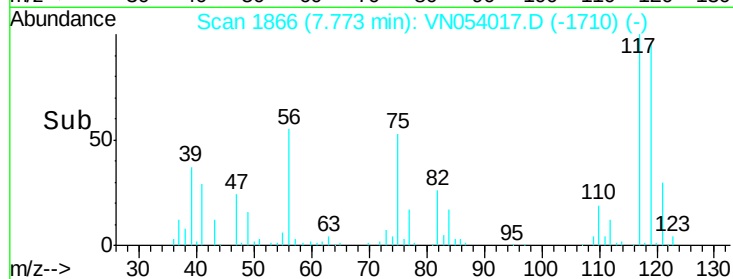
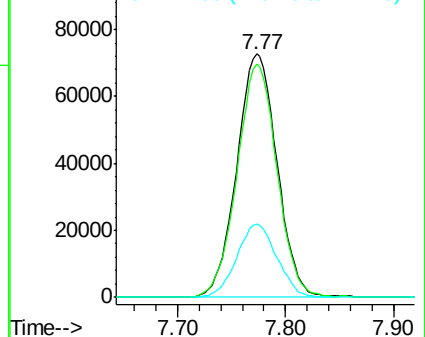
#33
Carbon Tetrachloride
Concen: 20.266 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:117 Resp: 188566
Ion Ratio Lower Upper
117 100
119 96.0 77.3 115.9
121 30.0 24.9 37.3

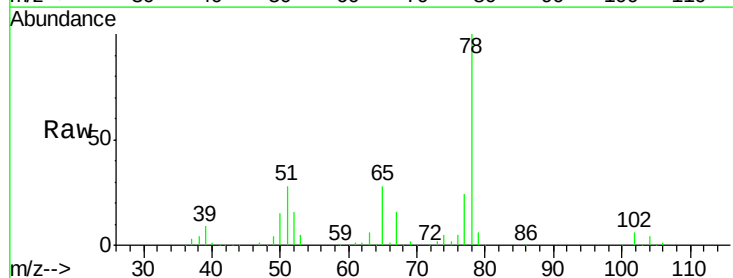


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

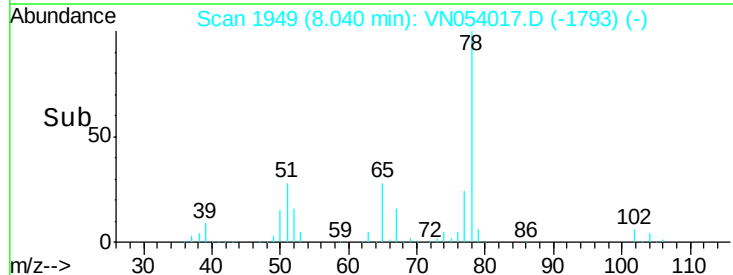
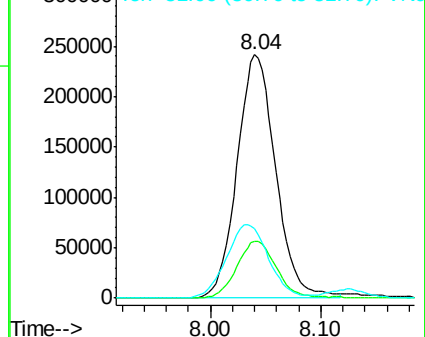


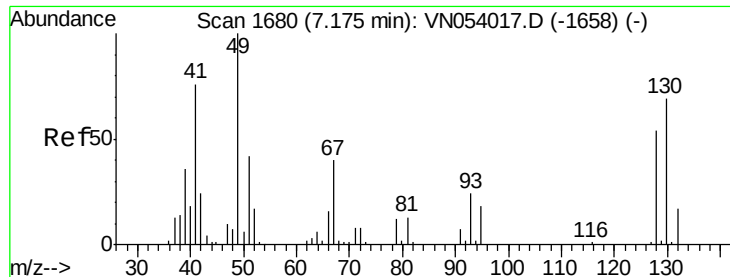
#34
Benzene
Concen: 20.162 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 78 Resp: 585438
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6
51 27.9 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

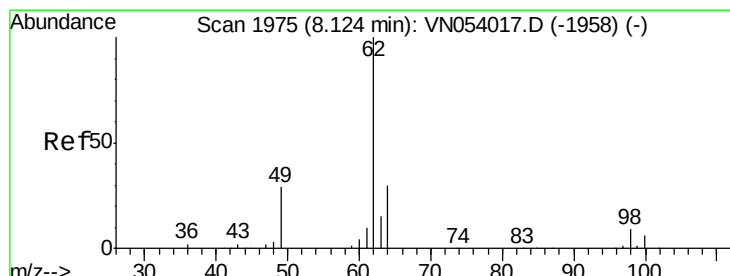
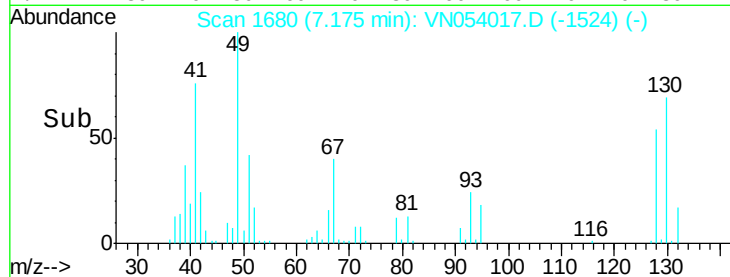
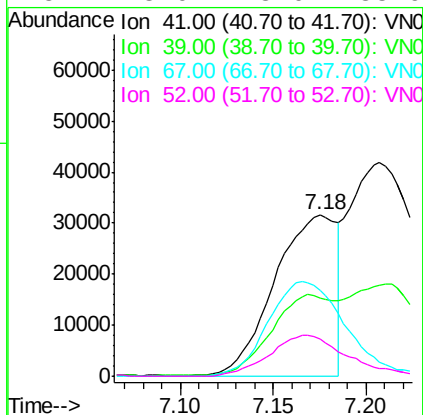
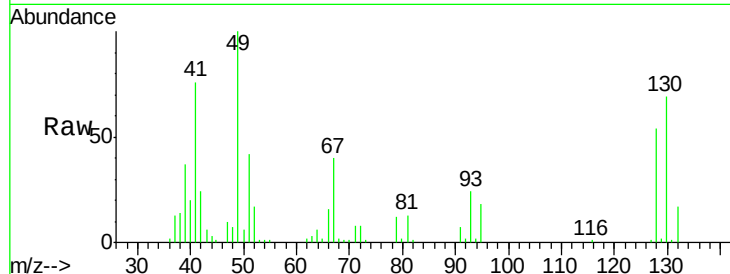




#35
Methacrylonitrile
Concen: 21.401 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

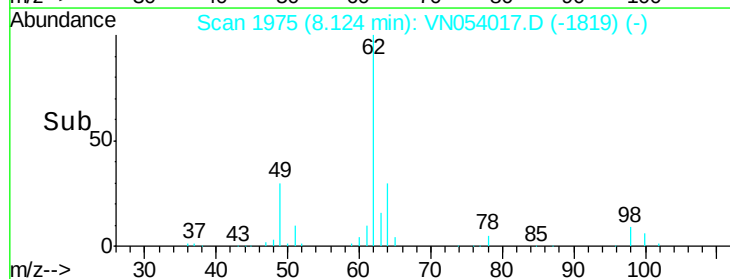
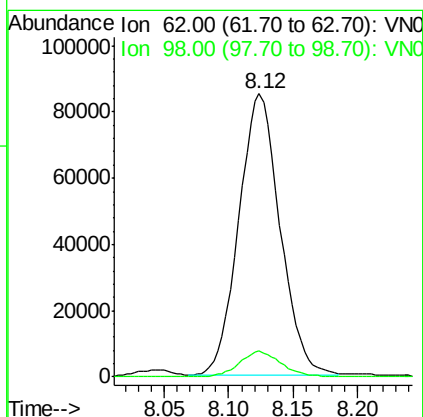
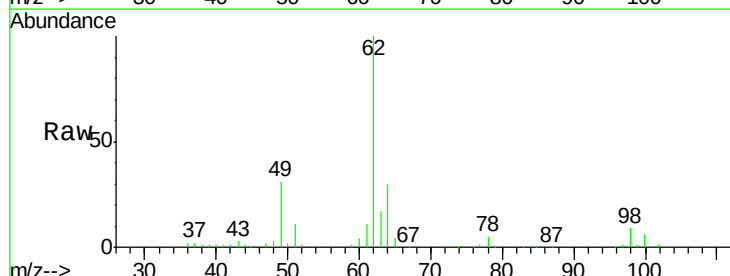
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

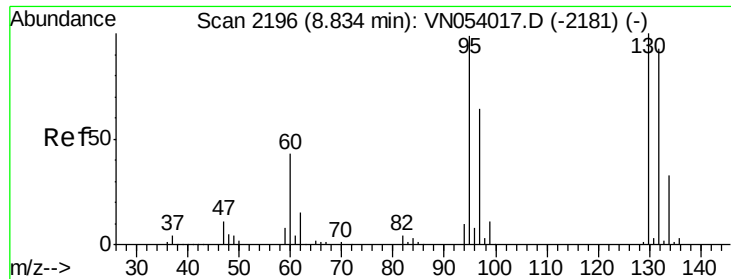
Tot Ion: 41 Resp: 73816
Ion Ratio Lower Upper
41 100
39 48.1 26.6 79.7
67 53.4 32.3 96.9
52 23.0 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.324 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 62 Resp: 189501
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

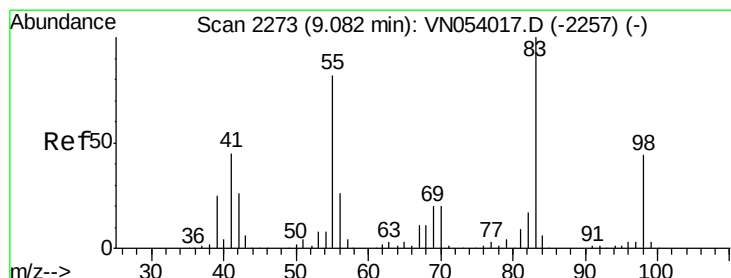
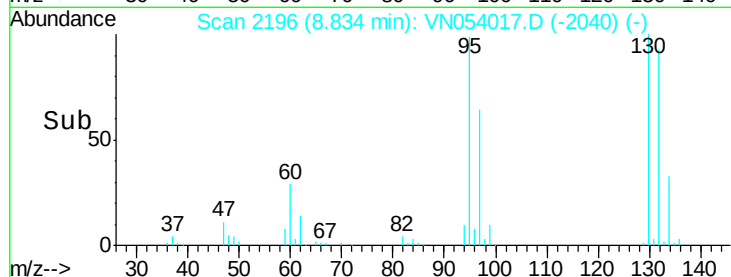
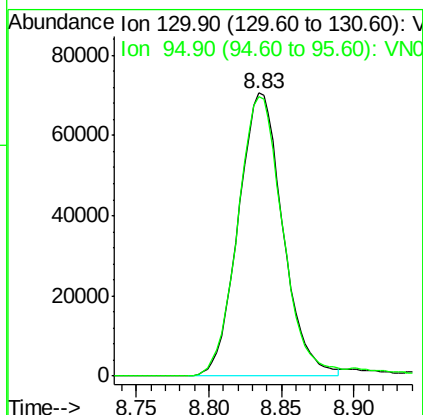
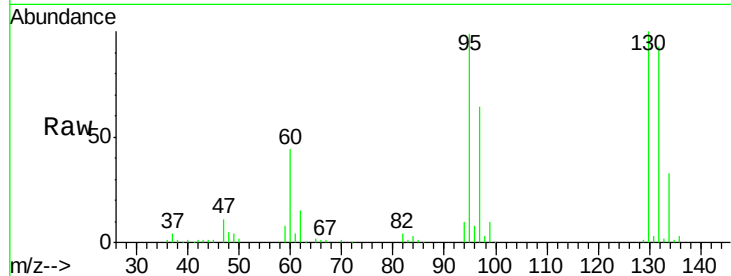




#37
 Trichloroethene
 Concen: 19.876 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

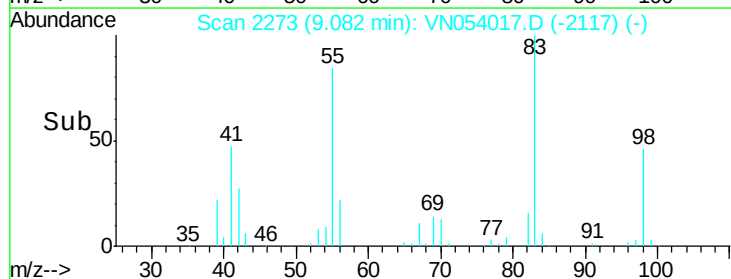
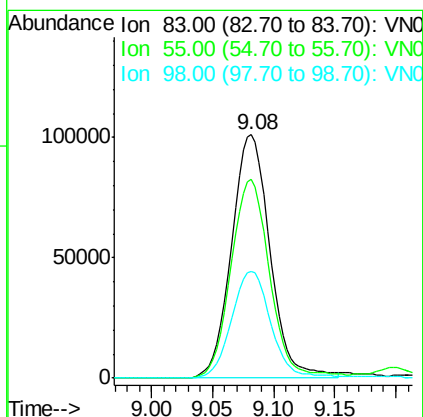
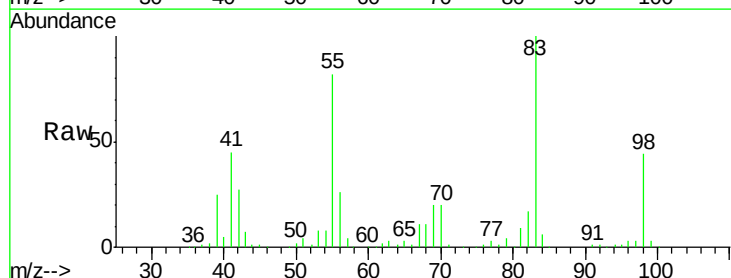
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

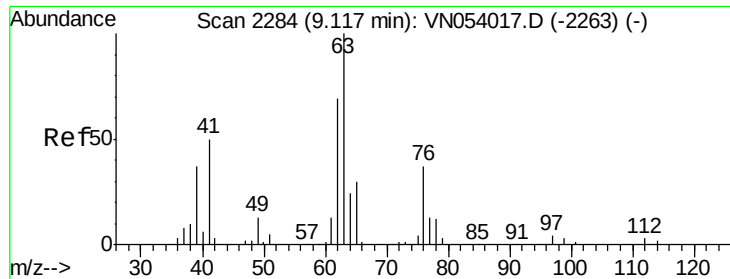
Tot Ion:130 Resp: 150653
 Ion Ratio Lower Upper
 130 100
 95 98.9 81.0 121.4



#38
 Methylcyclohexane
 Concen: 19.272 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 83 Resp: 222229
 Ion Ratio Lower Upper
 83 100
 55 80.8 39.8 119.4
 98 44.5 22.9 68.5

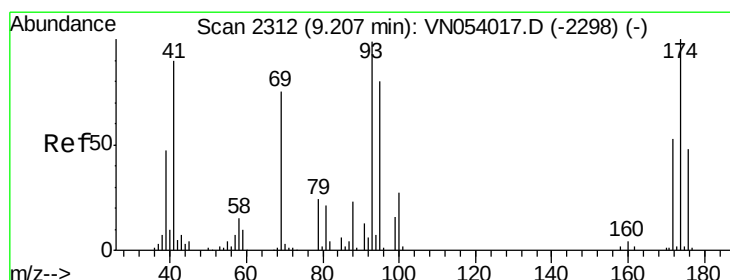
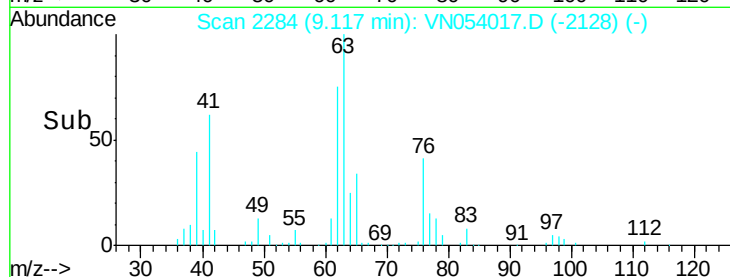
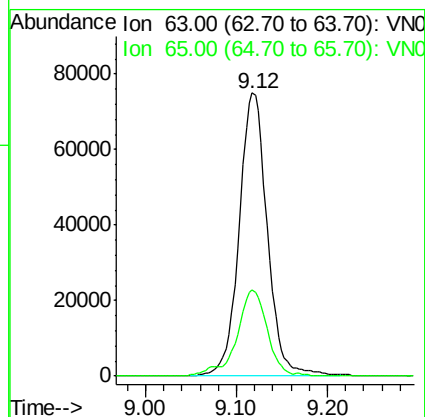
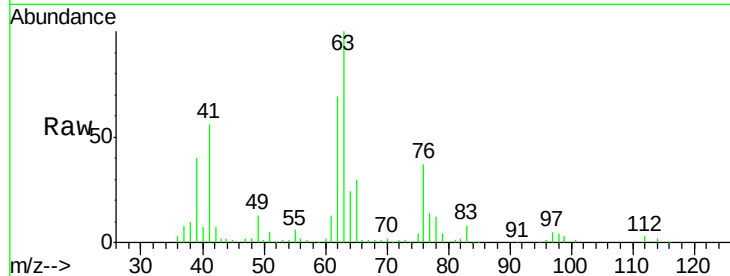




#39
 1,2-Dichloropropane
 Concen: 20.334 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

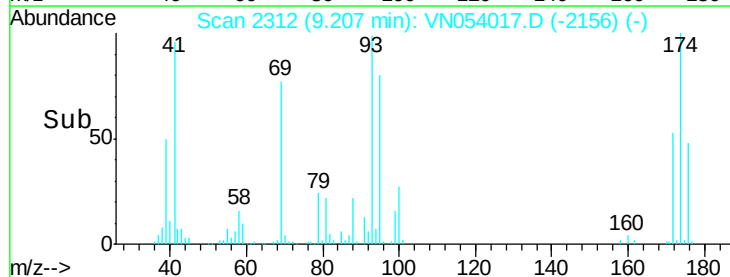
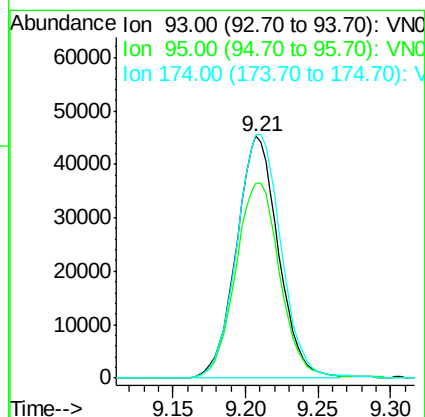
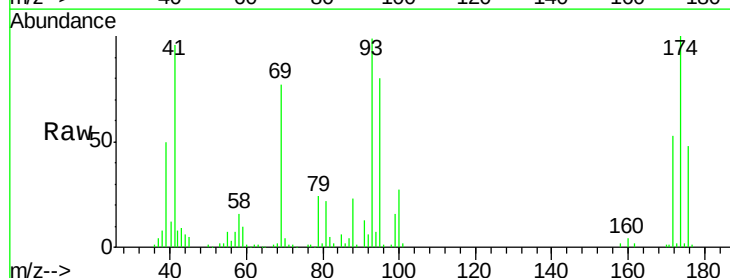
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

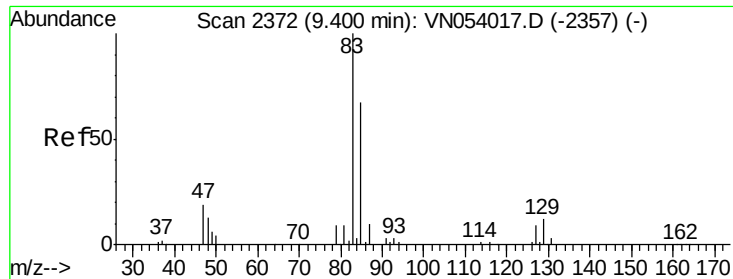
Tot Ion: 63 Resp: 161744
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.6 35.4



#40
 Dibromomethane
 Concen: 20.001 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 93 Resp: 91208
 Ion Ratio Lower Upper
 93 100
 95 85.1 0.0 168.4
 174 105.4 0.0 210.0





#41

Bromodichloromethane

Concen: 19.914 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

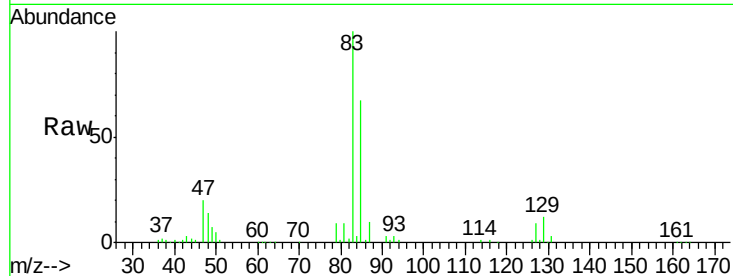
Tot Ion: 83 Resp: 192683

Ion Ratio Lower Upper

83 100

85 67.2 52.4 78.6

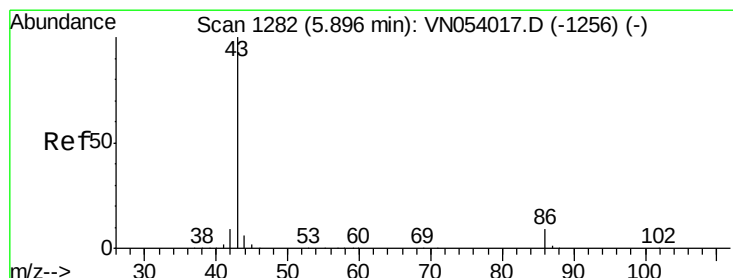
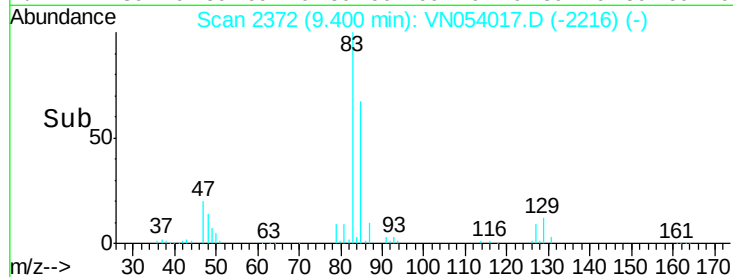
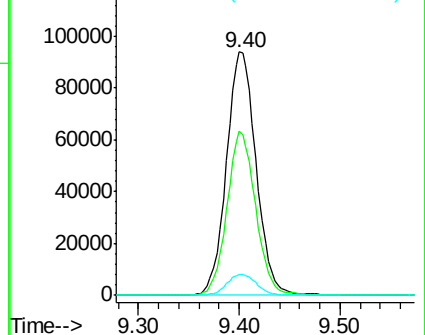
127 8.6 6.6 9.8



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: 96.927 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN054017.D

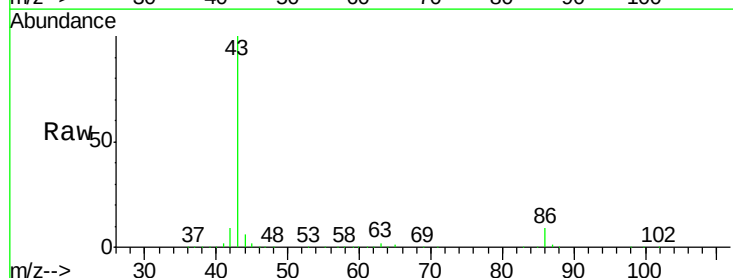
Acq: 1 Mar 2019 9:16

Tgt Ion: 43 Resp: 1544711

Ion Ratio Lower Upper

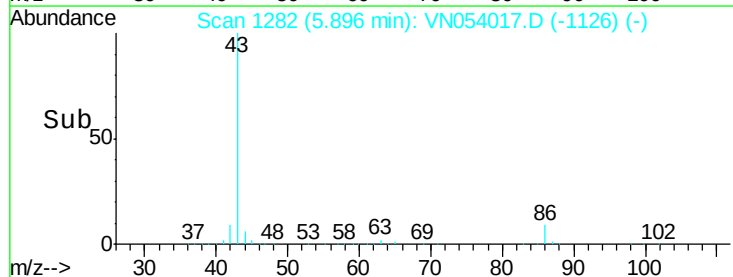
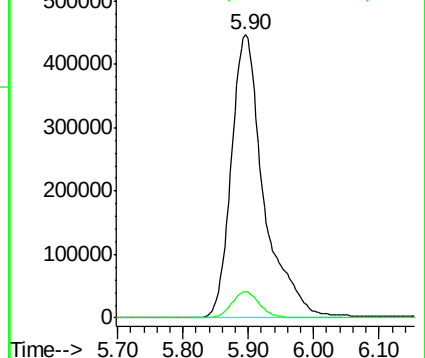
43 100

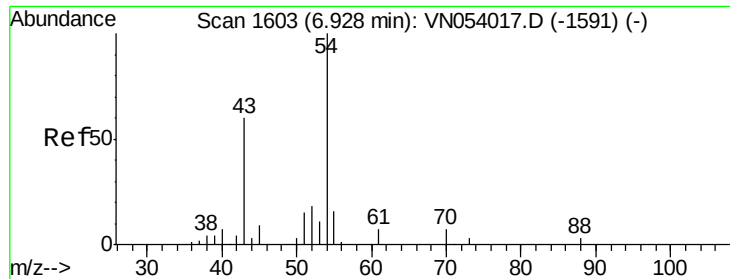
86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

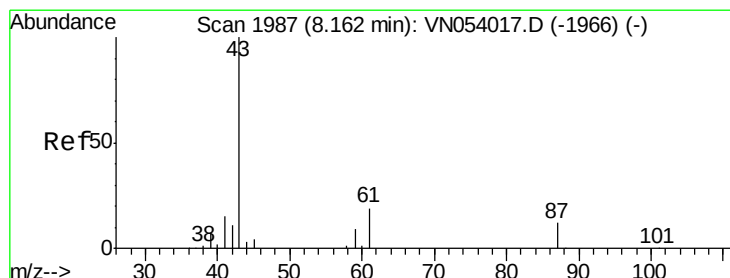
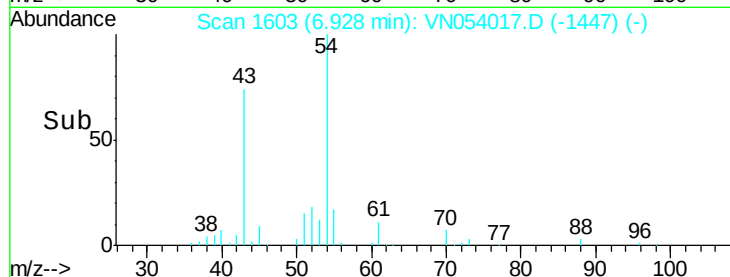
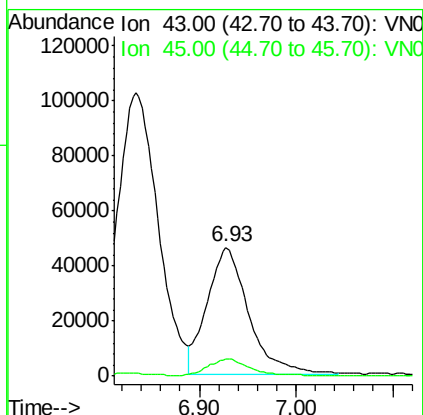
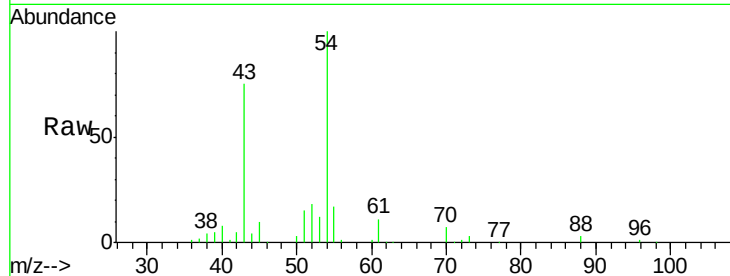




#43
Ethyl Acetate
Concen: 21.281 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

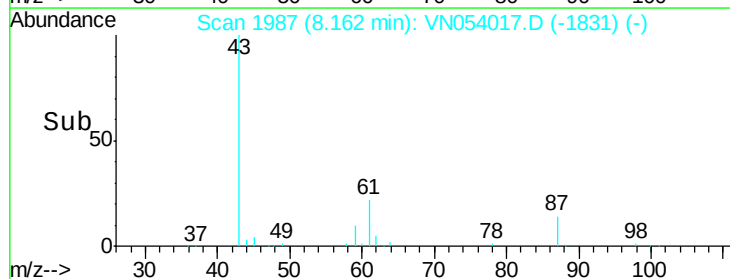
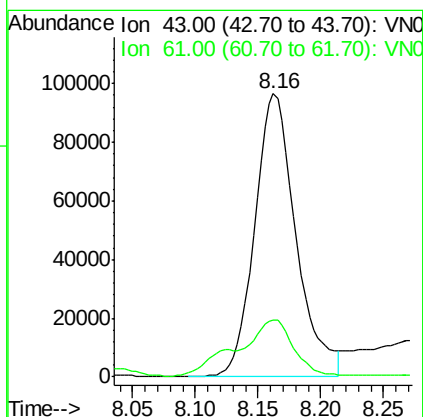
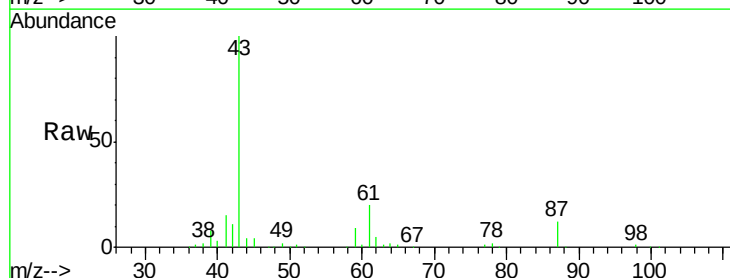
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

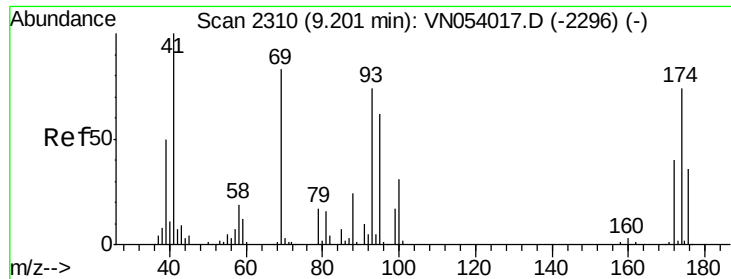
Tot Ion: 43 Resp: 137504
Ion Ratio Lower Upper
43 100
45 12.0 1.0 1.6#



#44
Isopropyl Acetate
Concen: 19.373 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 43 Resp: 219652
Ion Ratio Lower Upper
43 100
61 17.9 16.0 24.0

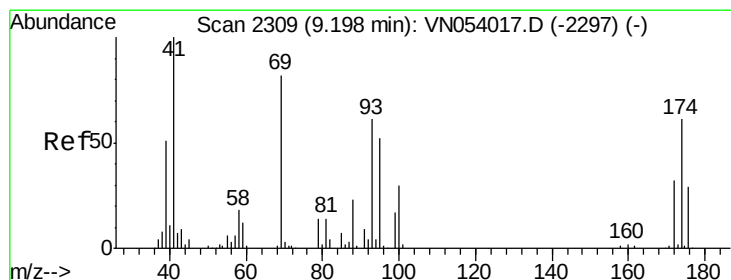
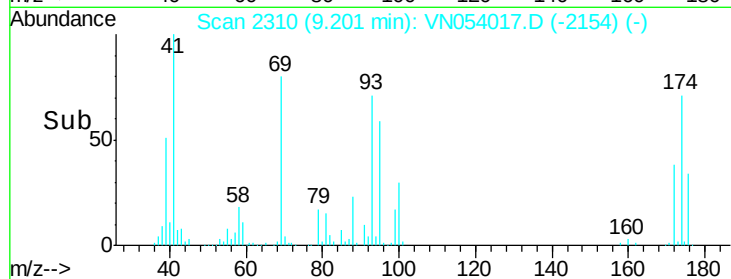
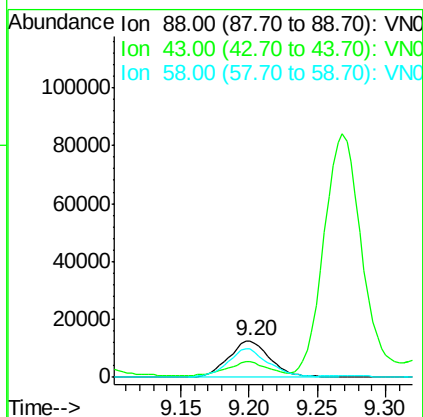
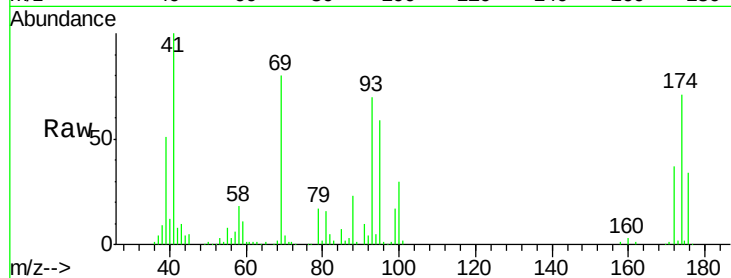




#45
 1,4-Dioxane
 Concen: 406.557 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

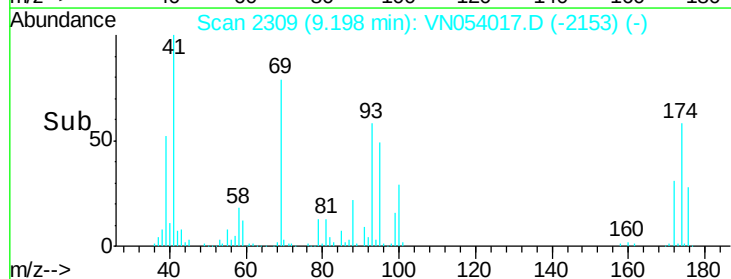
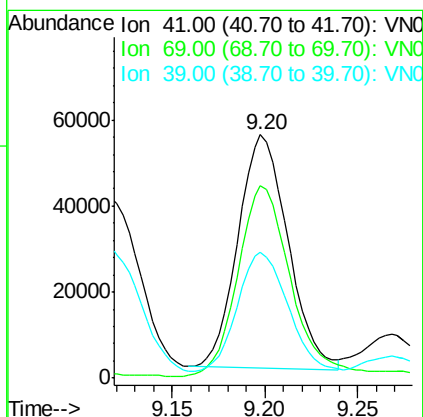
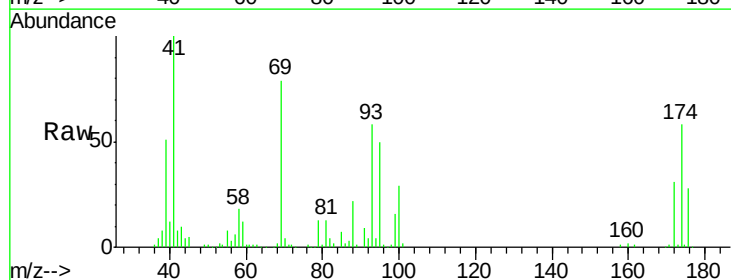
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

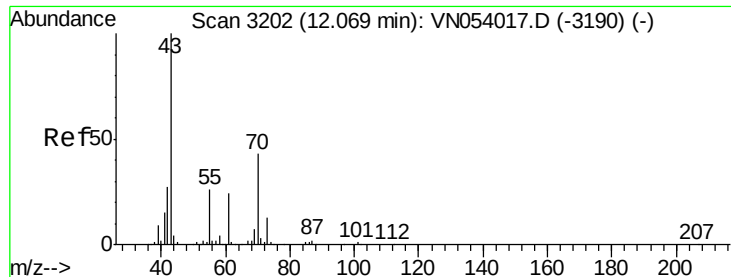
Tot Ion: 88 Resp: 26926
 Ion Ratio Lower Upper
 88 100
 43 32.8 29.5 44.3
 58 76.7 61.5 92.3



#46
 Methyl methacrylate
 Concen: 18.722 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 41 Resp: 101957
 Ion Ratio Lower Upper
 41 100
 69 81.8 42.5 127.6
 39 50.8 26.3 78.9

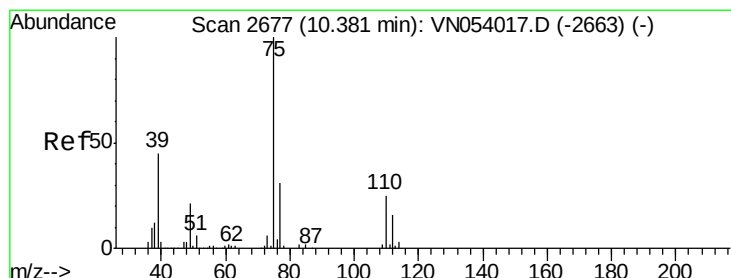
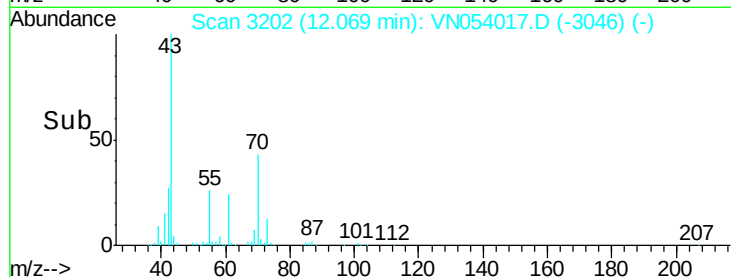
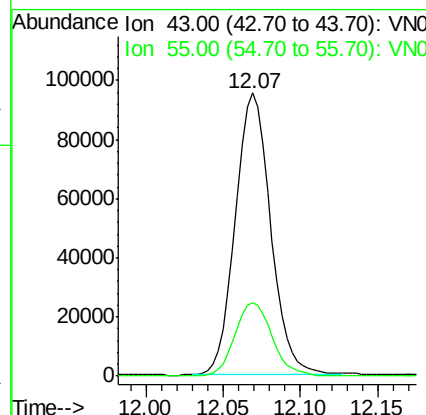
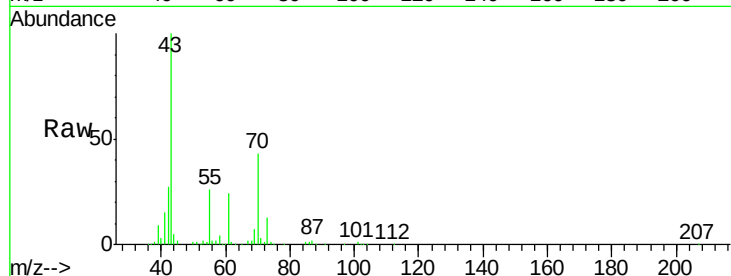




#47
n-amvl Acetate
Concen: 18.141 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

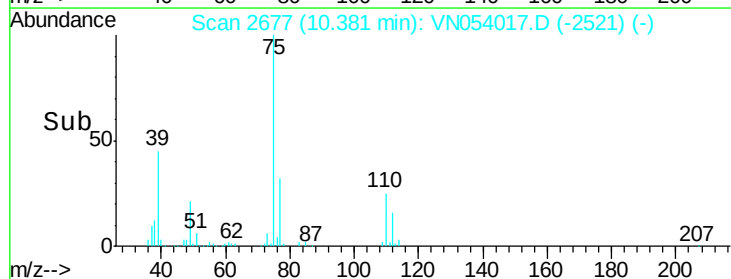
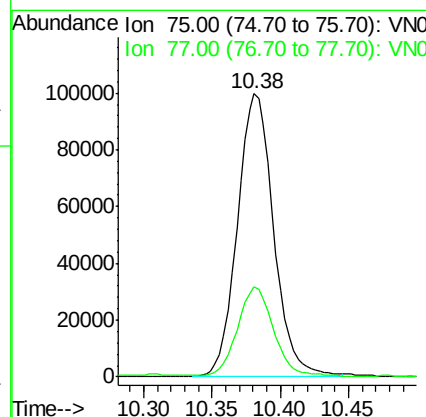
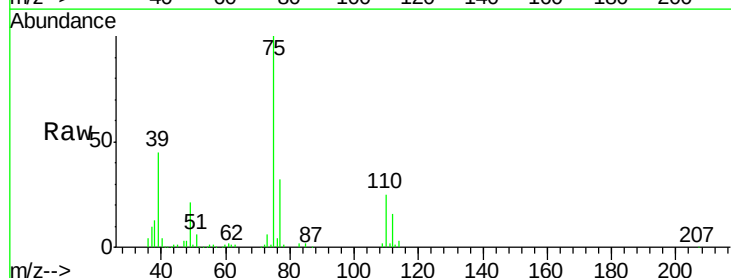
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

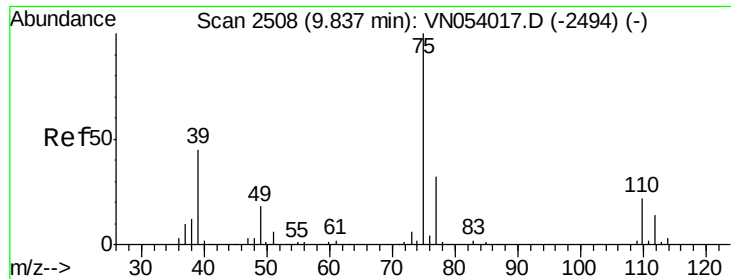
Tot Ion: 43 Resp: 151090
Ion Ratio Lower Upper
43 100
55 27.4 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.017 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 75 Resp: 184490
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4



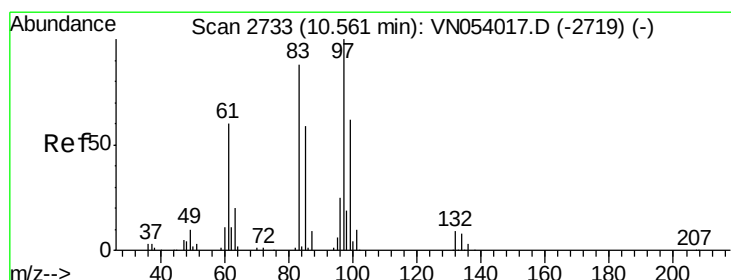
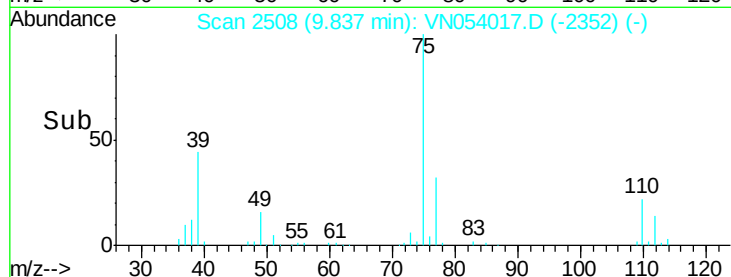
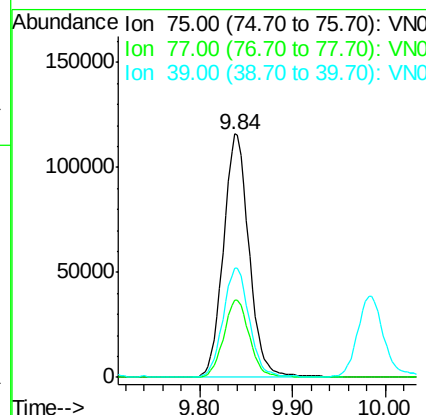
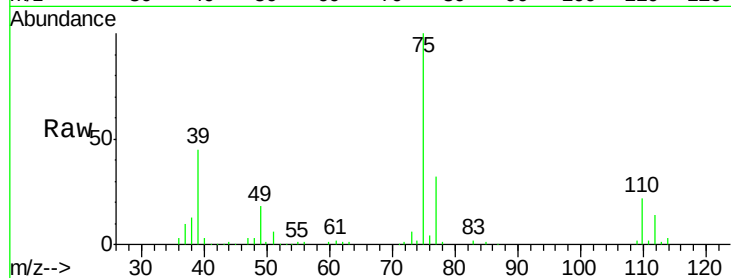


#49

cis-1,3-Dichloropropene
 Concen: 19.556 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

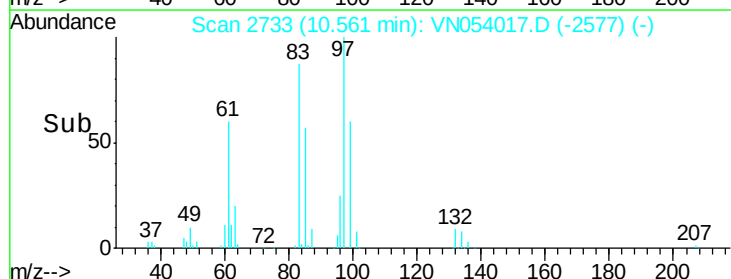
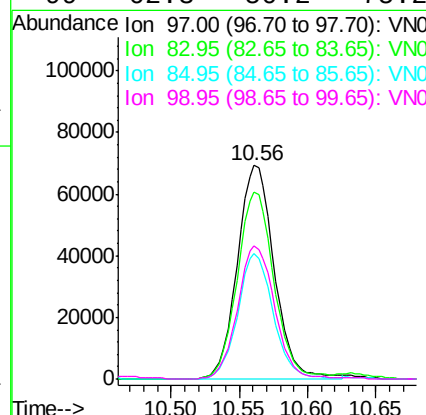
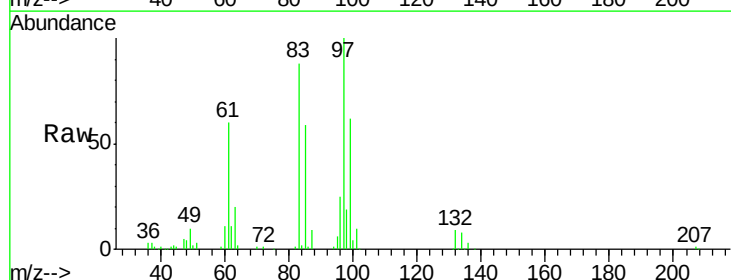
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	44.5	37.3	55.9

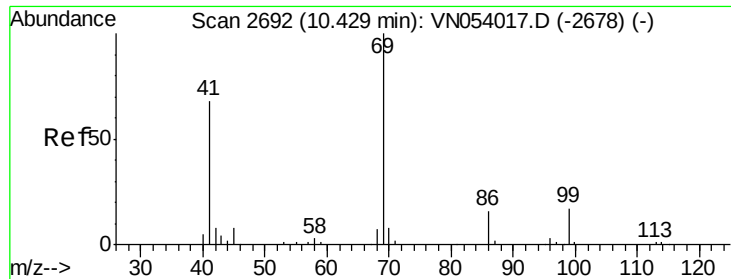


#50

1,1,2-Trichloroethane
 Concen: 20.327 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.4	105.6
85	58.9	45.0	67.6
99	62.3	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.760 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

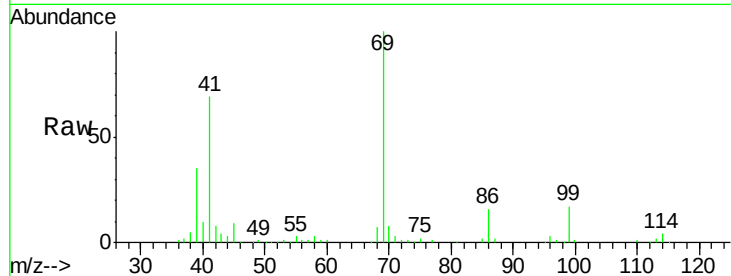
Tot Ion: 69 Resp: 144464

Ion Ratio Lower Upper

69 100

41 68.3 34.4 103.3

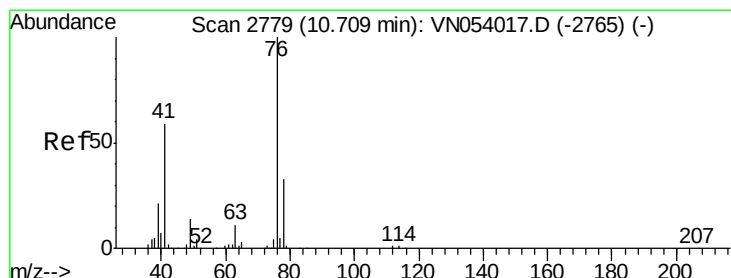
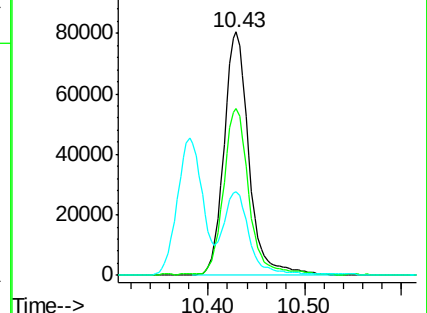
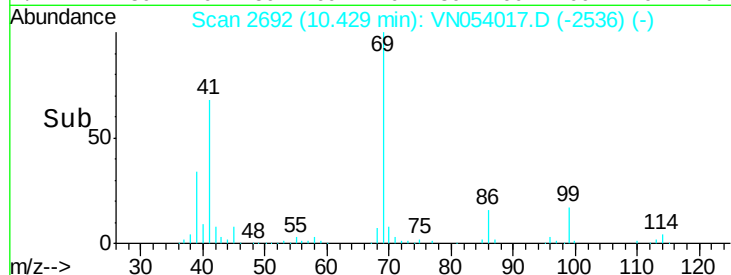
39 33.9 16.4 49.2



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: 20.075 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054017.D

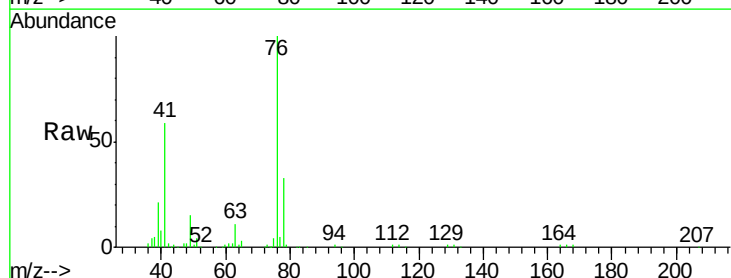
Acq: 1 Mar 2019 9:16

Tgt Ion: 76 Resp: 220393

Ion Ratio Lower Upper

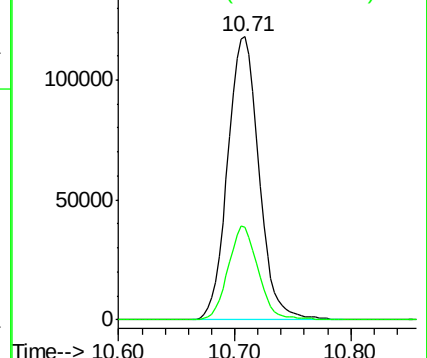
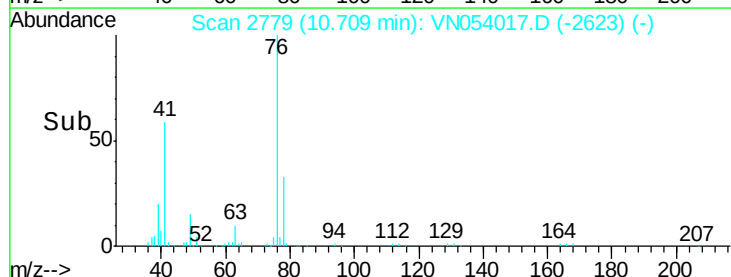
76 100

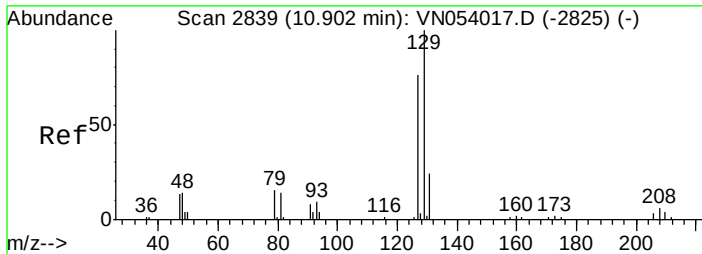
78 32.0 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

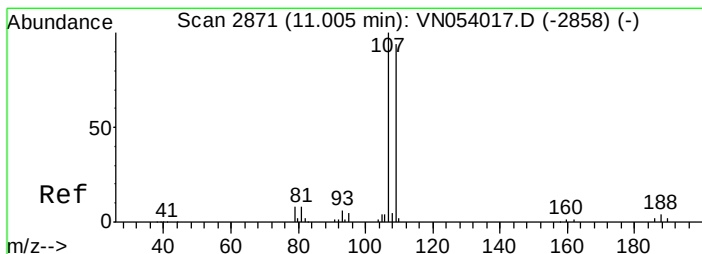
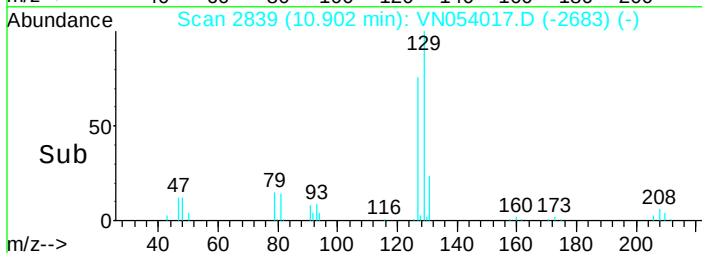
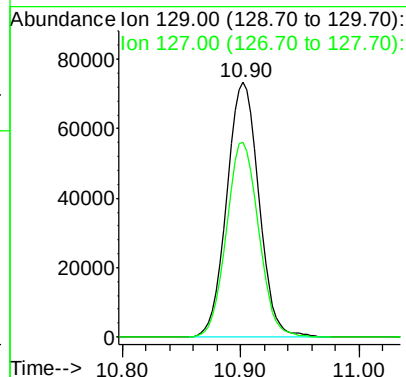
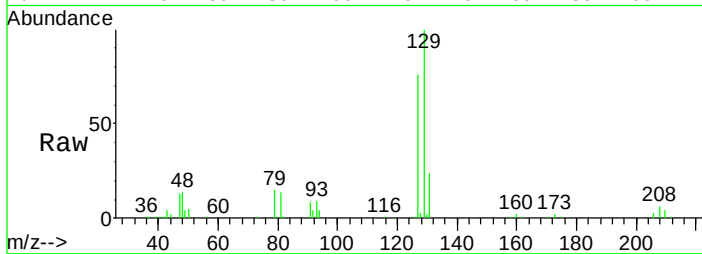




#53
 Dibromochloromethane
 Concen: 19.650 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

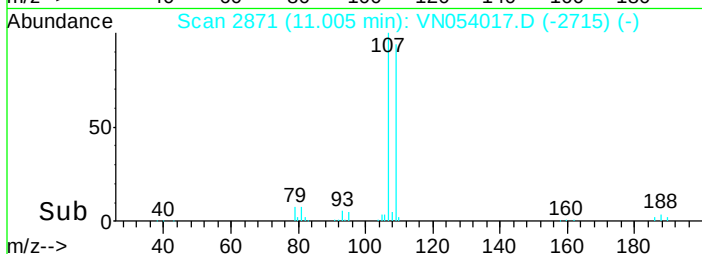
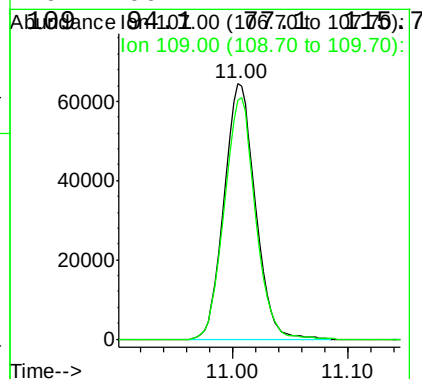
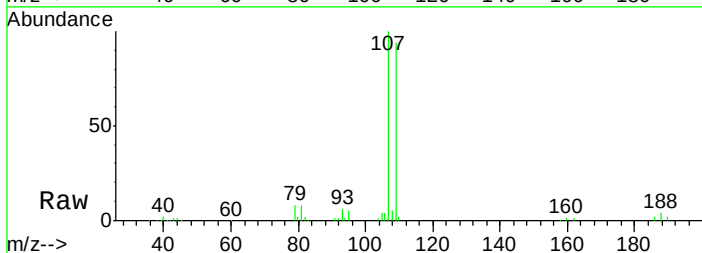
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

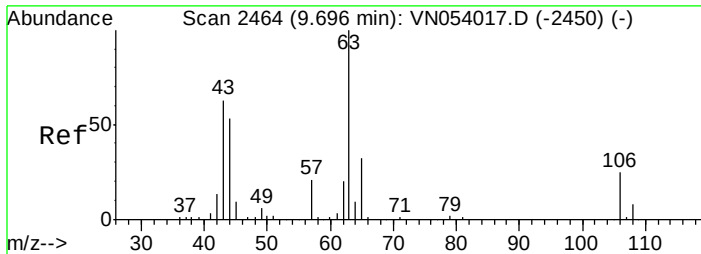
Tot Ion:129 Resp: 138117
 Ion Ratio Lower Upper
 129 100
 127 76.5 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 19.869 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion:107 Resp: 121067
 Ion Ratio Lower Upper
 107 100

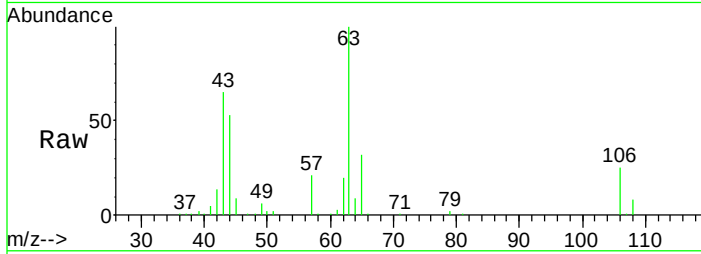




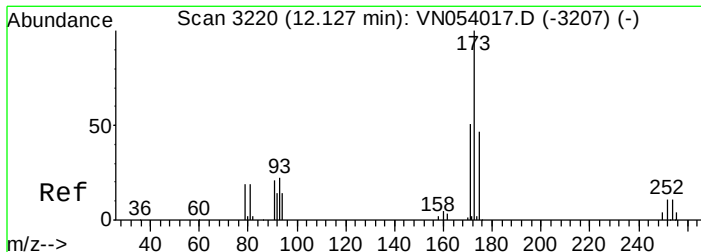
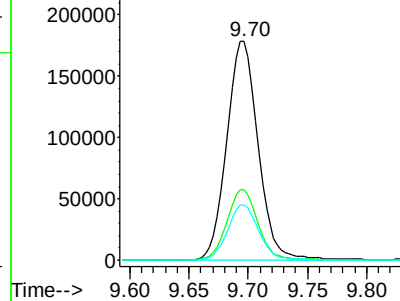
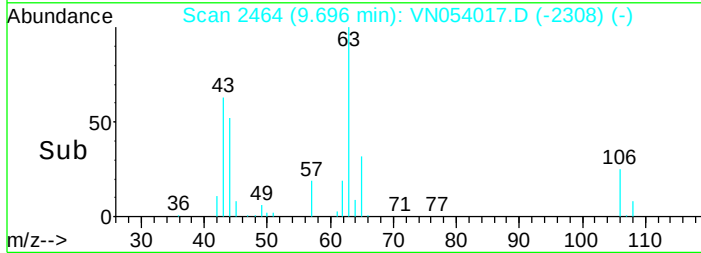
#55
2-Chloroethyl vinyl ether
Concen: 91.912 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 63 Resp: 328446
Ion Ratio Lower Upper
63 100
65 32.1 25.4 38.2
106 25.0 20.4 30.6

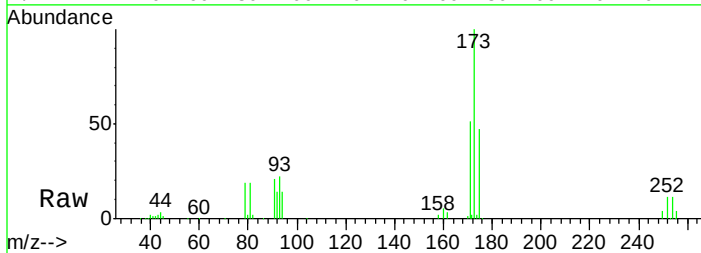


Abundance Ion 63.00 (62.70 to 63.70): VN
Ion 65.00 (64.70 to 65.70): VN
Ion 106.00 (105.70 to 106.70):

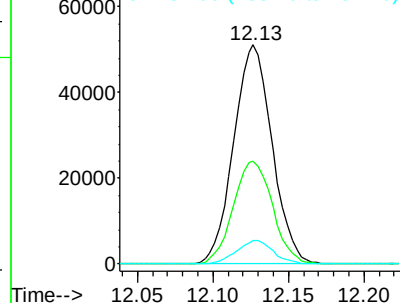
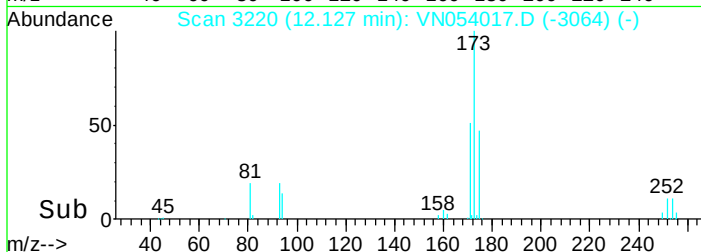


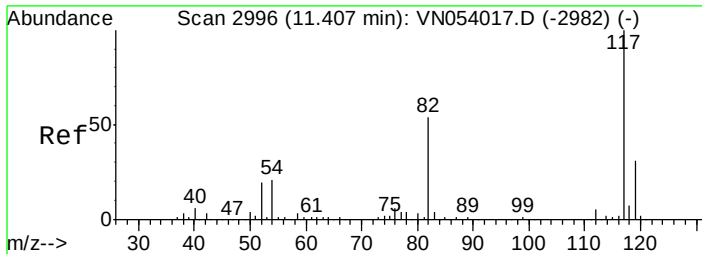
#56
Bromoform
Concen: 19.370 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion:173 Resp: 90398
Ion Ratio Lower Upper
173 100



Abundance Ion 173.00 (172.70 to 173.30): VN
Ion 175.00 (174.70 to 175.70): VN
Ion 254.00 (253.70 to 254.70):

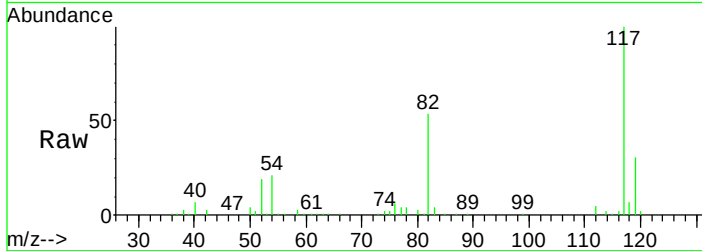




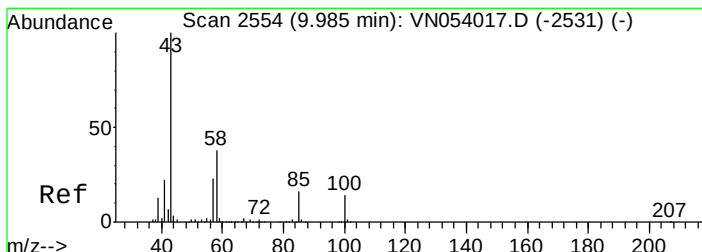
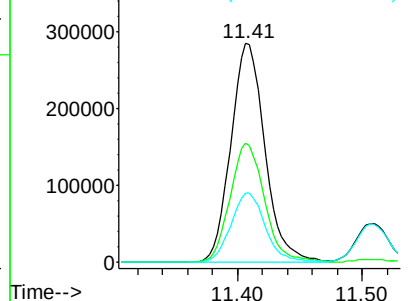
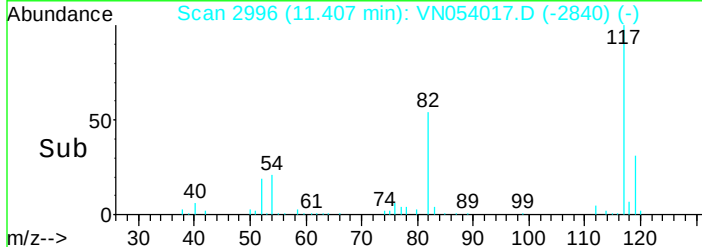
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:117 Resp: 539925
 Ion Ratio Lower Upper
 117 100
 82 54.7 44.2 66.2
 119 31.7 25.4 38.2

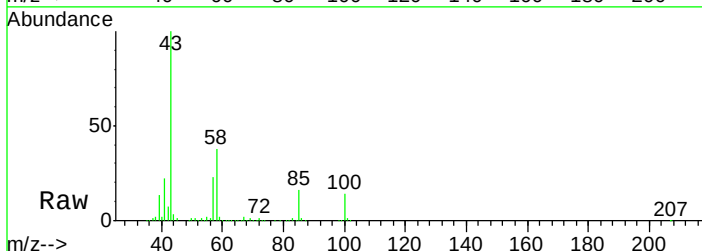


Abundance Ion 117.00 (116.70 to 117.70):
 Ion 82.00 (81.70 to 82.70): VN
 Ion 119.00 (118.70 to 119.70):

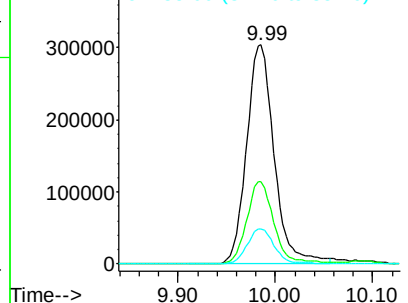
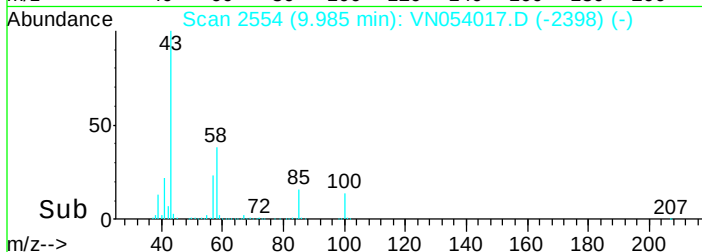


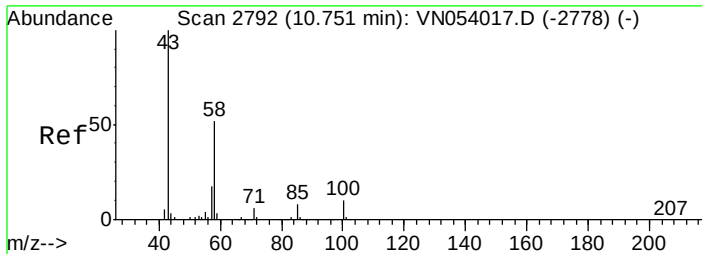
#58
 4-Methyl-2-Pentanone
 Concen: 97.973 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 43 Resp: 596061
 Ion Ratio Lower Upper
 43 100



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

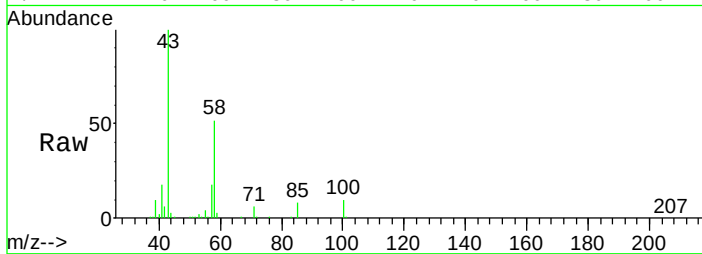




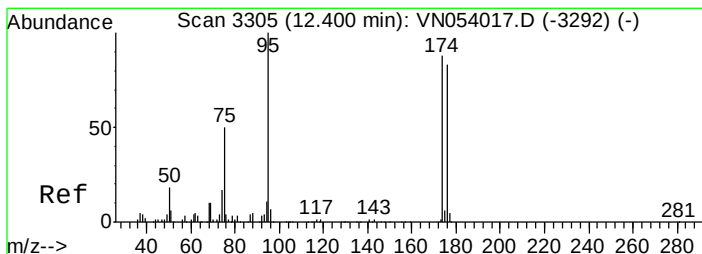
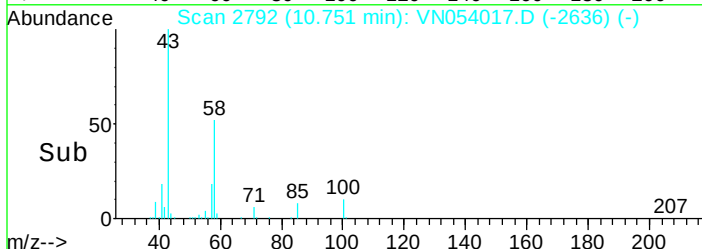
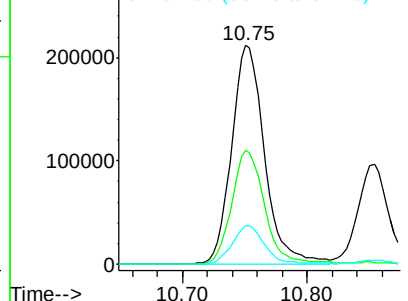
#59
2-Hexanone
Concen: 96.746 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 384562
Ion Ratio Lower Upper
43 100
58 52.4 43.2 64.8
57 17.6 14.9 22.3

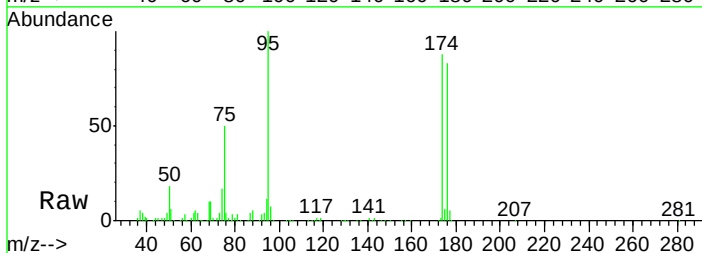


Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 57.00 (56.70 to 57.70): VN

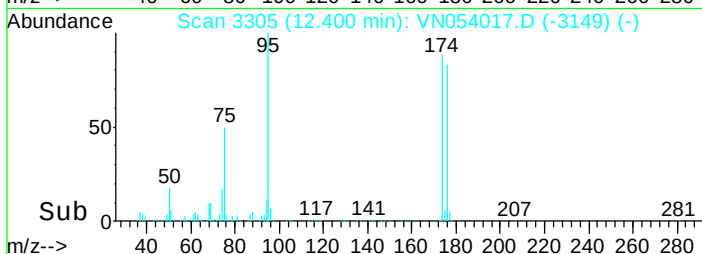
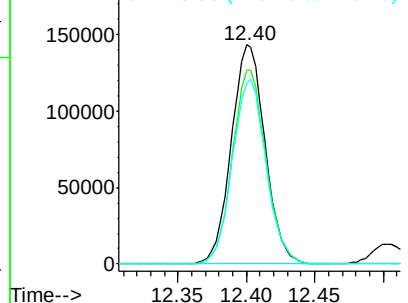


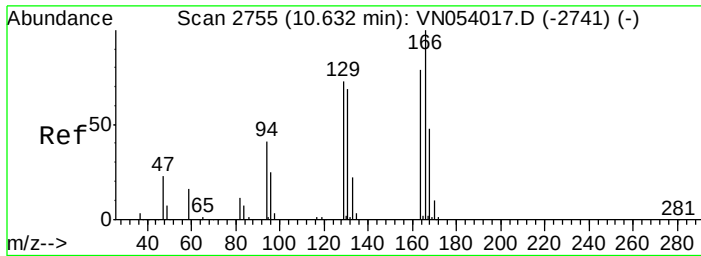
#60
4-Bromofluorobenzene
Concen: 96.746 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 95 Resp: 244996
Ion Ratio Lower Upper
95 100



Abundance Ion 95.00 (94.70 to 95.30): VN
Ion 174.00 (173.70 to 174.30): VN
Ion 176.00 (175.70 to 176.70): VN

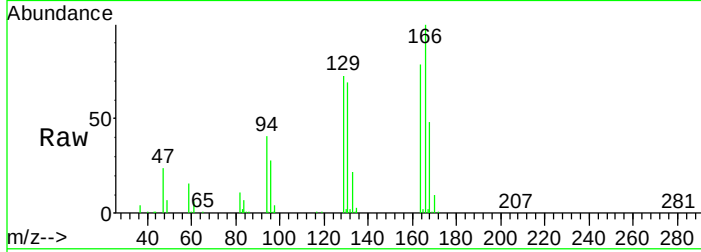




#61
Tetrachloroethene
Concen: 20.995 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:164 Resp: 157584
Ion Ratio Lower Upper
164 100
166 126.9 104.6 157.0
129 92.1 75.3 112.9



Abundance

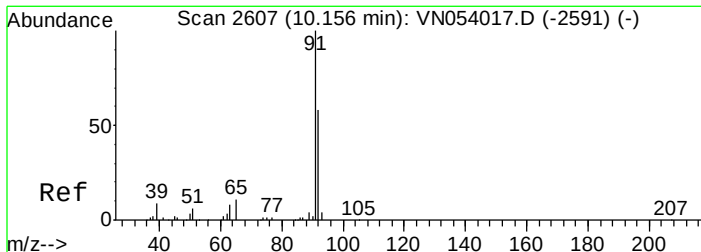
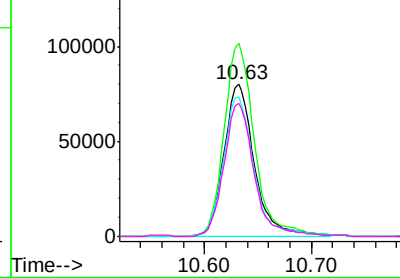
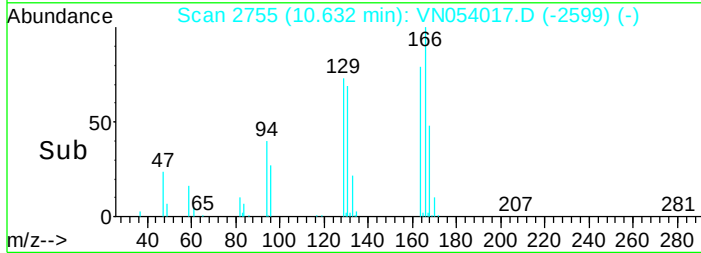
Scan 2755 (10.632 min): VN054017.D (-2599) (-)

Ion 164.85 (164.53 to 165.15): 5

Ion 165.80 (165.50 to 166.50):

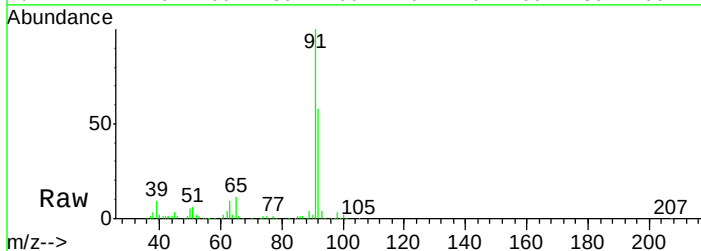
Ion 128.90 (128.60 to 129.60):

Ion 130.90 (130.60 to 131.60):



#62
Toluene
Concen: 20.268 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

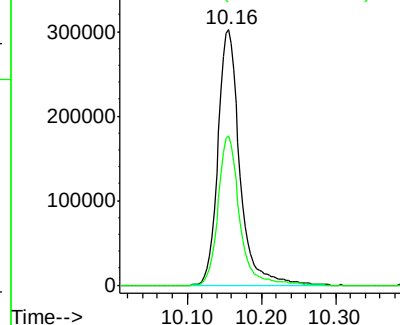
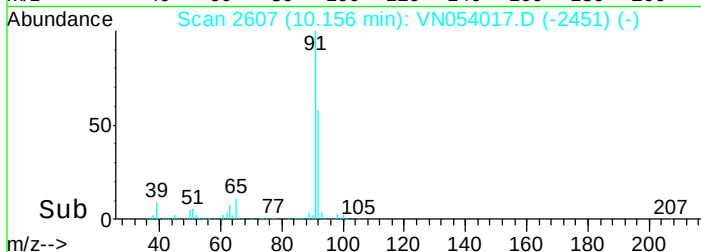
Tgt Ion: 91 Resp: 611597
Ion Ratio Lower Upper
91 100

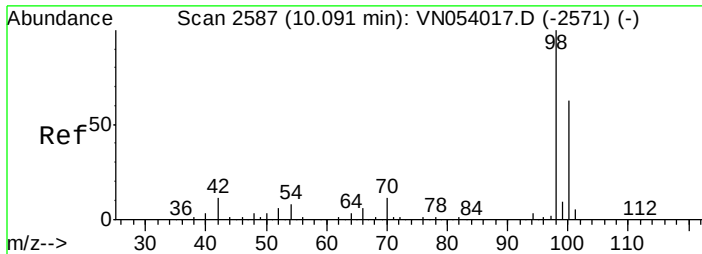


Abundance

Scan 2607 (10.156 min): VN054017.D (-2451) (-)

Ion 92.00 (91.70 to 92.70): VN

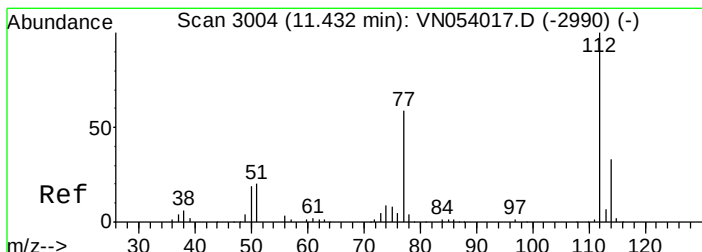
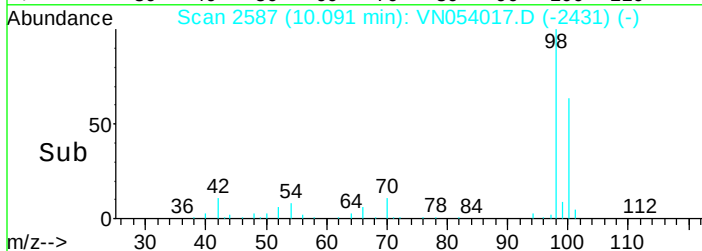
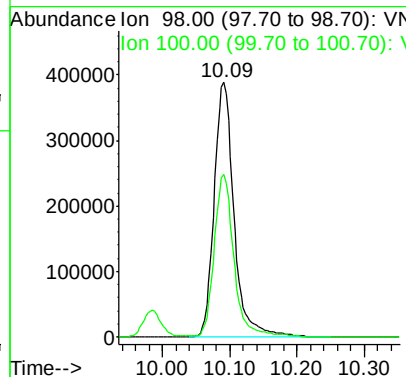
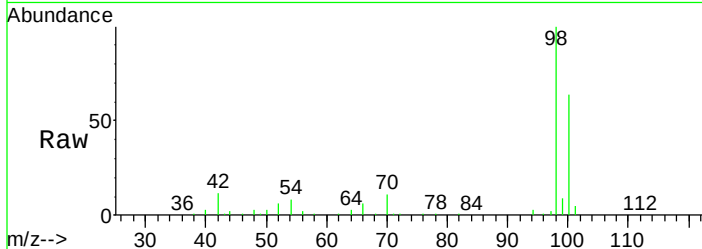




#63
Toluene-d8
Concen: 20.268 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

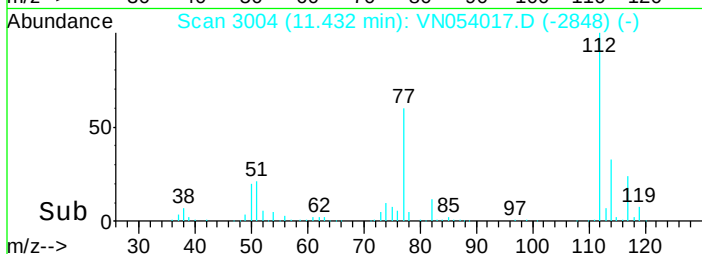
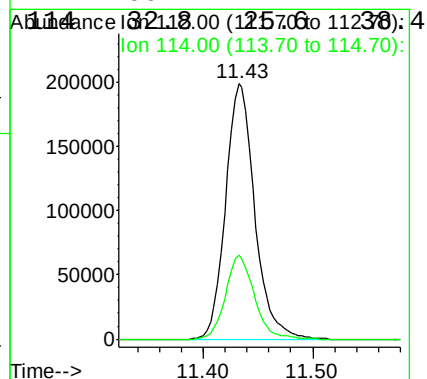
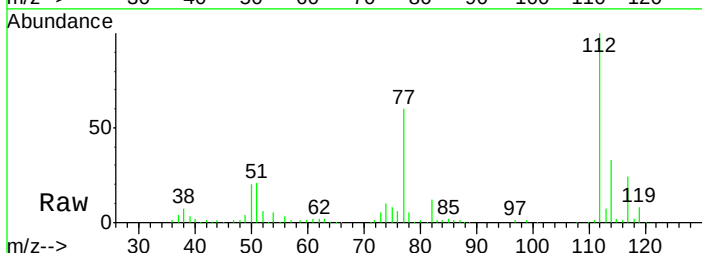
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

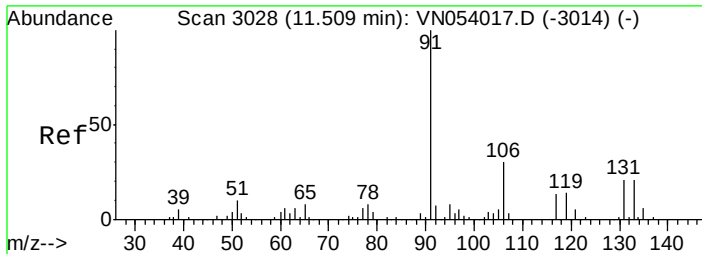
Tot Ion: 98 Resp: 793603
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



#64
Chlorobenzene
Concen: 19.914 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 112 Resp: 365902
Ion Ratio Lower Upper
112 100

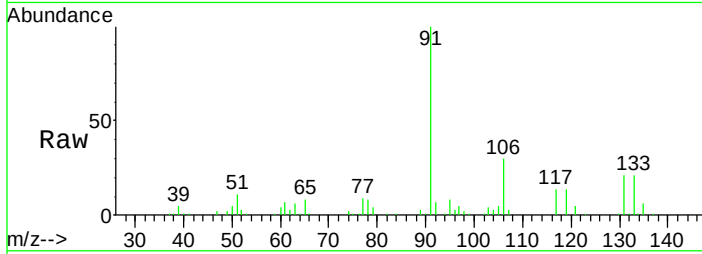




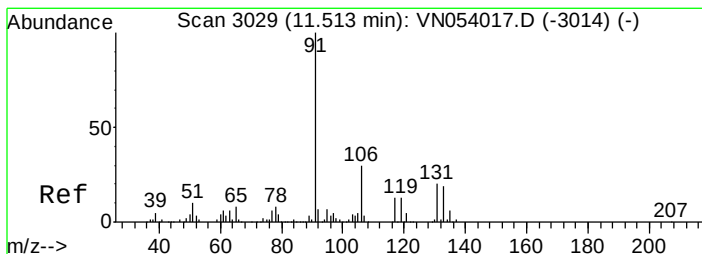
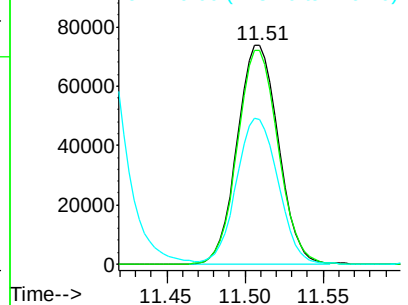
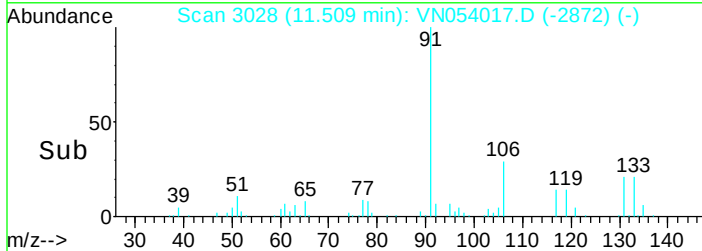
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.873 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:131 Resp: 134075
 Ion Ratio Lower Upper
 131 100
 133 96.8 0.0 193.4
 119 67.7 0.0 133.0

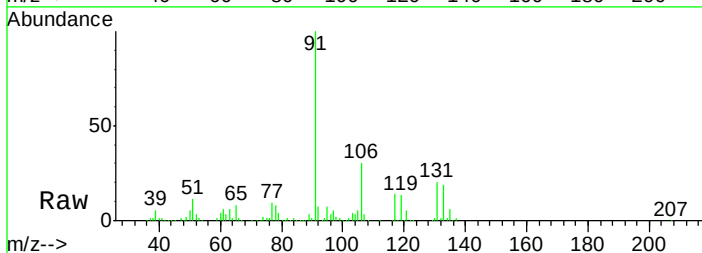


Abundance Ion 131.00 (130.70 to 131.70):
 Ion 133.00 (132.70 to 133.70):
 Ion 119.00 (118.70 to 119.70):

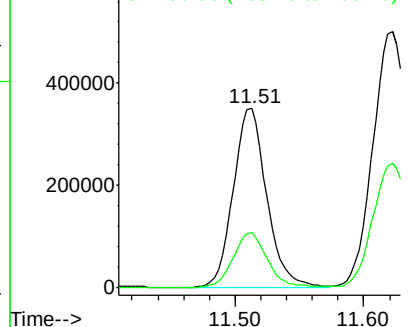
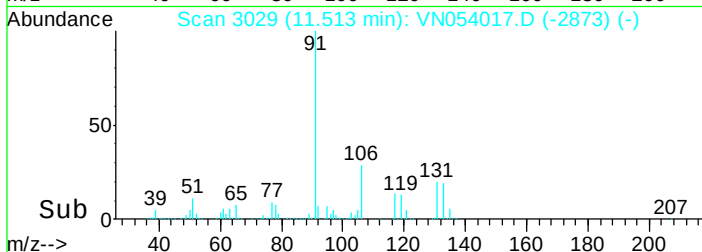


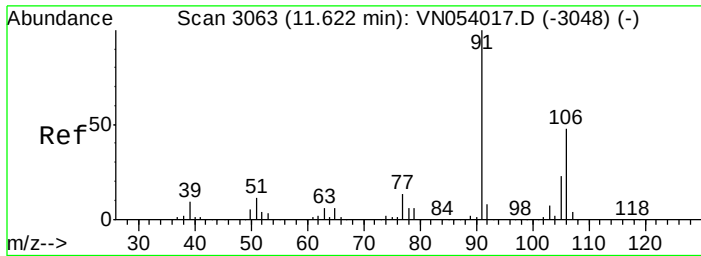
#66
 Ethyl Benzene
 Concen: 19.887 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 91 Resp: 627264
 Ion Ratio Lower Upper
 91 100



Abundance Ion 91.00 (90.70 to 91.70):
 Ion 106.00 (105.70 to 106.70):
 Ion 131.00 (130.70 to 131.70):
 Ion 106.00 (105.70 to 106.70):

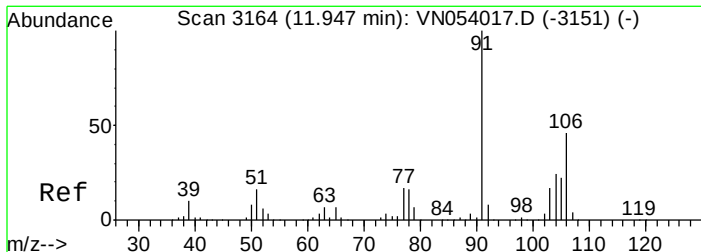
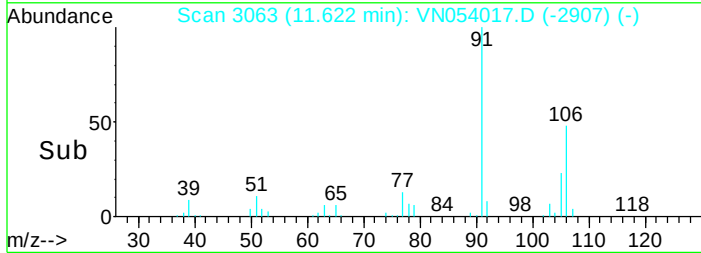
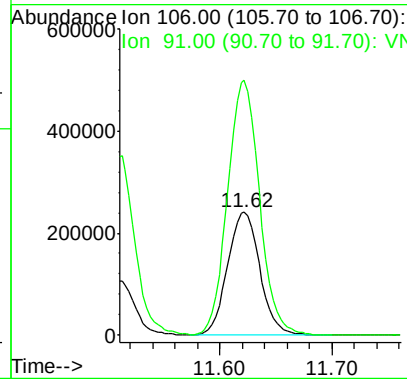
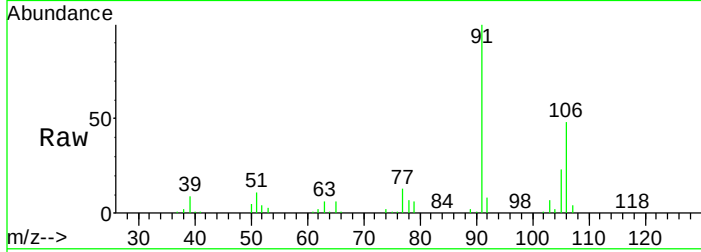




#67
m/p-Xylenes
Concen: 40.652 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

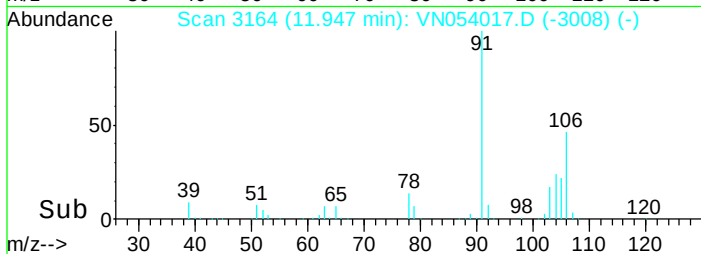
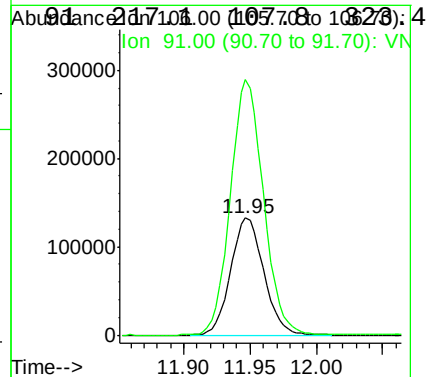
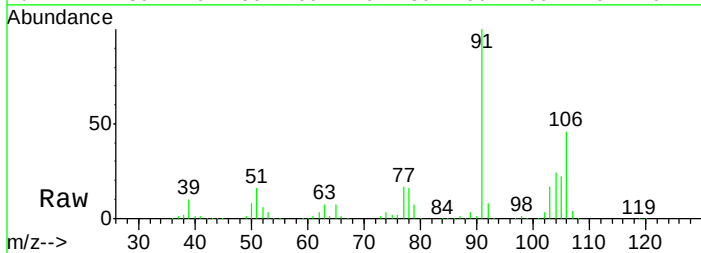
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

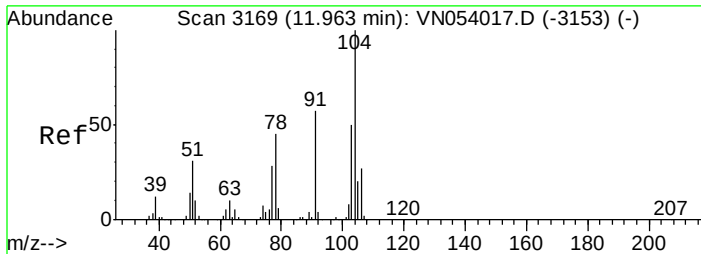
Tot Ion:106 Resp: 482757
Ion Ratio Lower Upper
106 100
91 205.2 163.9 245.9



#68
o-Xylene
Concen: 20.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion:106 Resp: 230298
Ion Ratio Lower Upper
106 100





#69

Styrene

Concen: 20.072 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054017.D

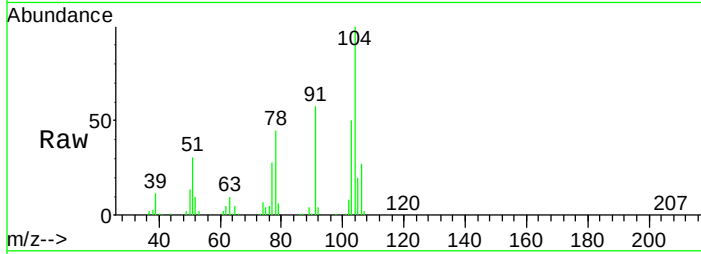
Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020



Tot Ion:104 Resp: 365880

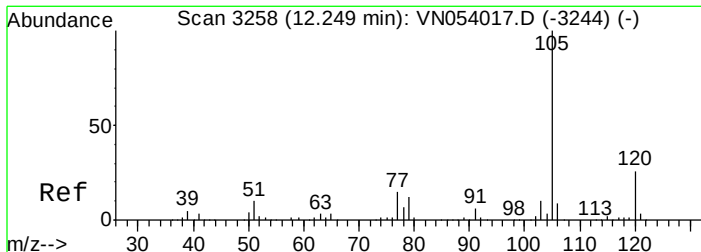
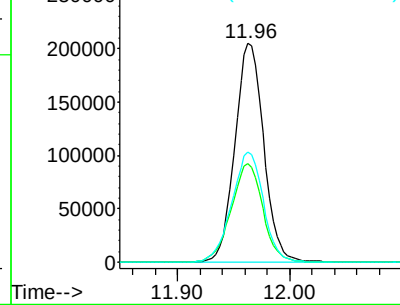
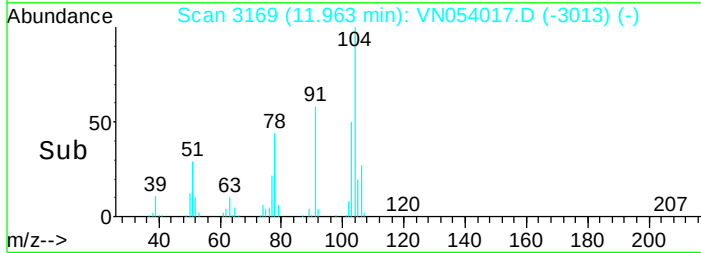
Ion Ratio Lower Upper

104 100

78 49.4 39.3 58.9

103 55.2 44.6 66.8

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



#70

Isopropylbenzene

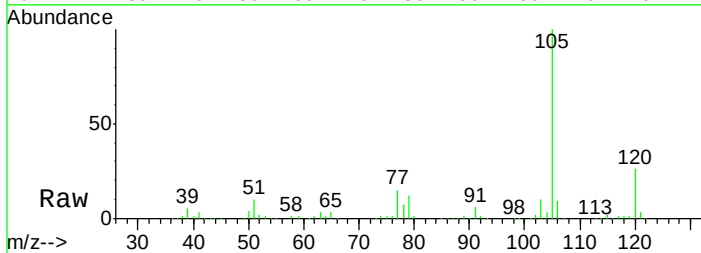
Concen: 20.222 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

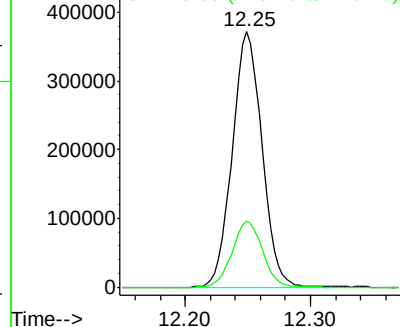
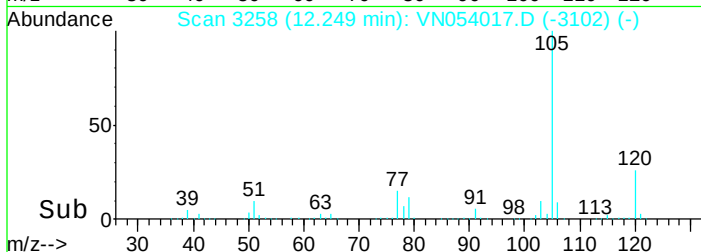


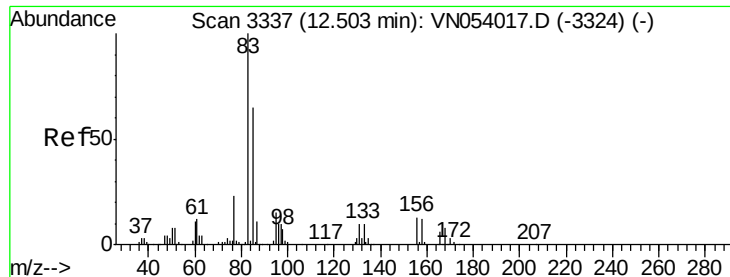
Tgt Ion:105 Resp: 610978

Ion Ratio Lower Upper

105 100

Abundance Ion 105.00 (104.70 to 105.34): 6
Ion 120.00 (119.70 to 120.70):

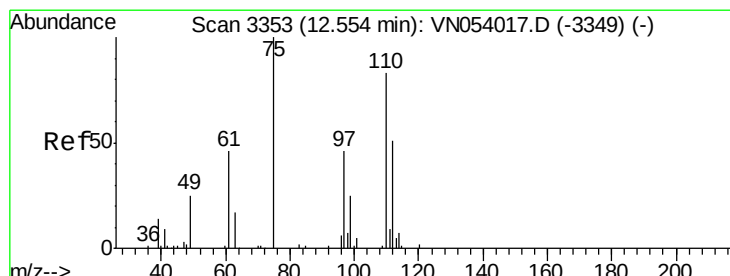
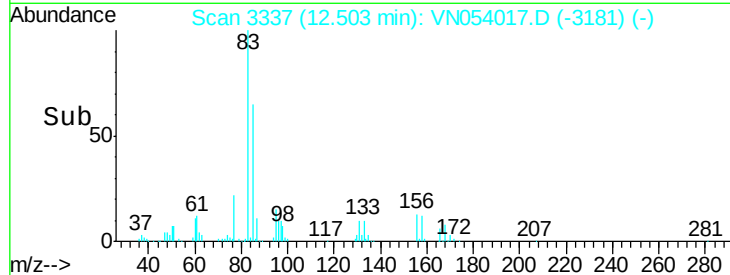
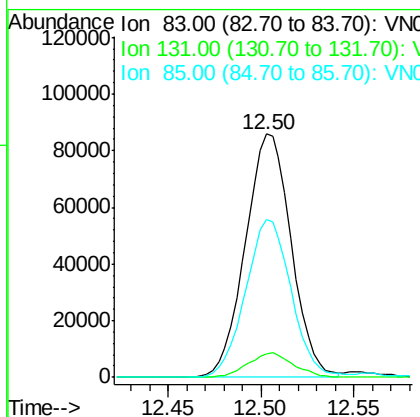
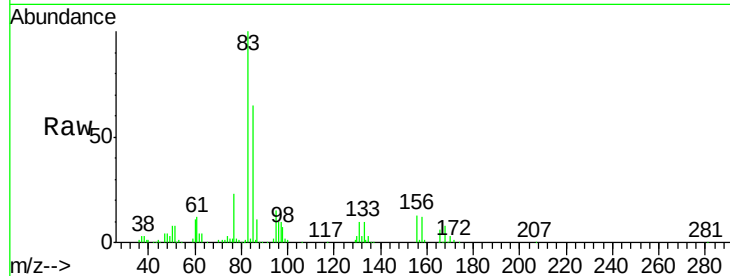




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.754 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

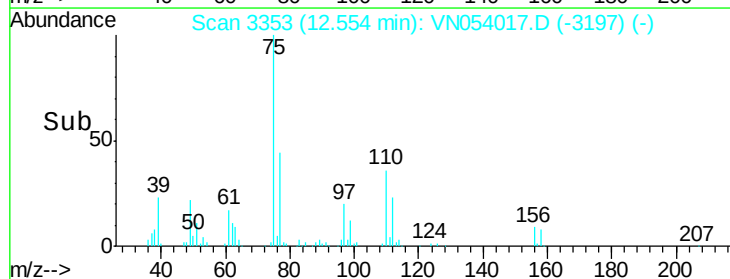
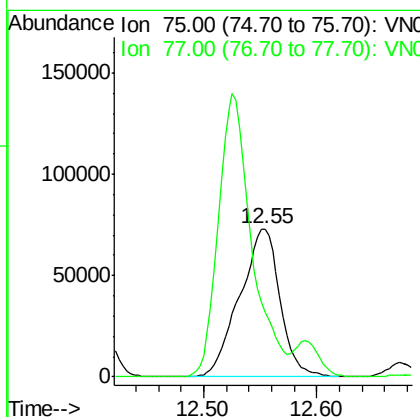
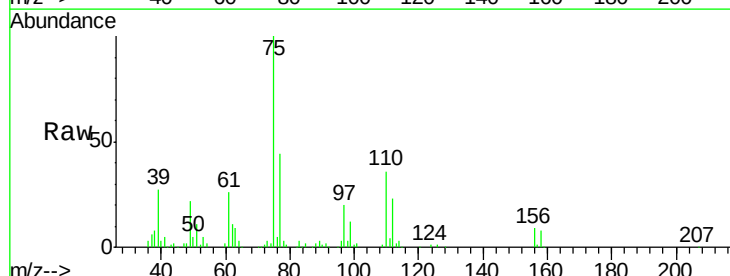
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

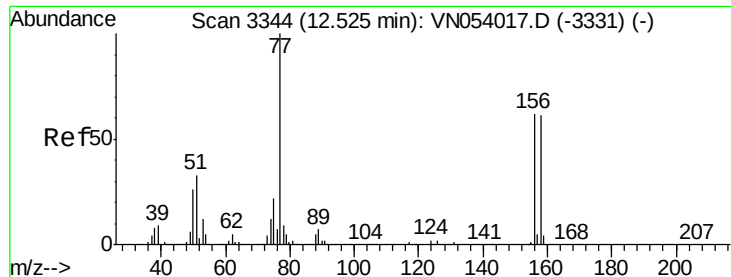
Tot Ion	83	Resp	147315
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.6	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 32.039 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	75	Resp	181415
Ion	Ratio	Lower	Upper
75	100		
77	157.8	0.0	514.8





#73

Bromobenzene

Concen: 19.949 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

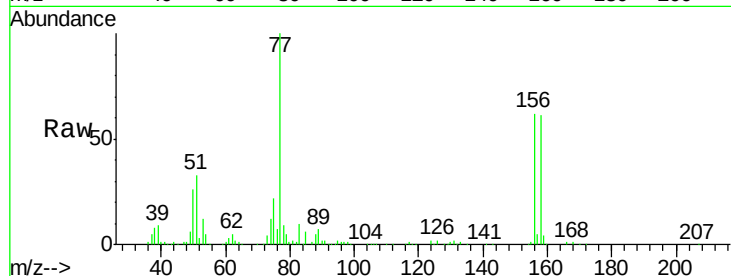
Tot Ion:156 Resp: 151960

Ion Ratio Lower Upper

156 100

77 188.3 0.0 382.6

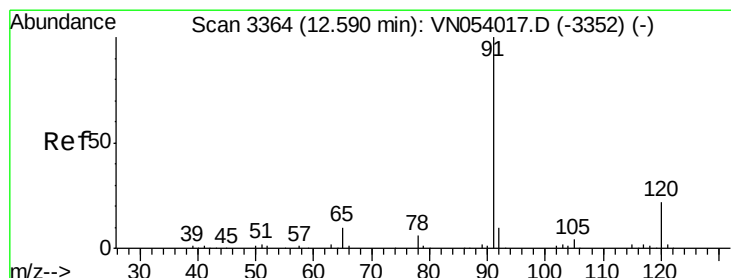
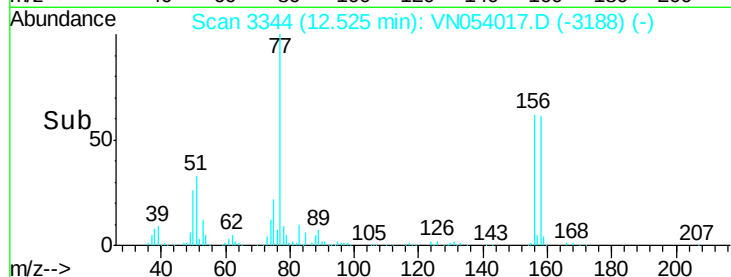
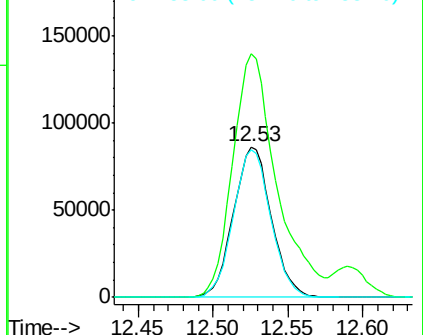
158 97.2 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.106 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054017.D

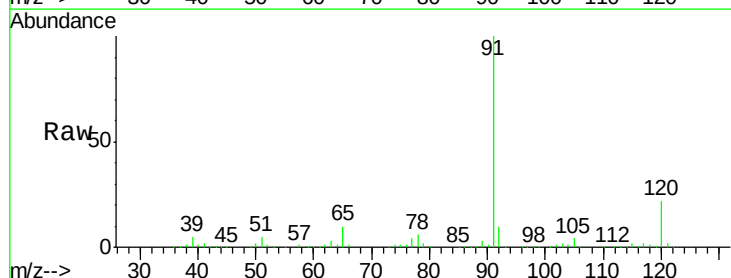
Acq: 1 Mar 2019 9:16

Tgt Ion: 91 Resp: 723357

Ion Ratio Lower Upper

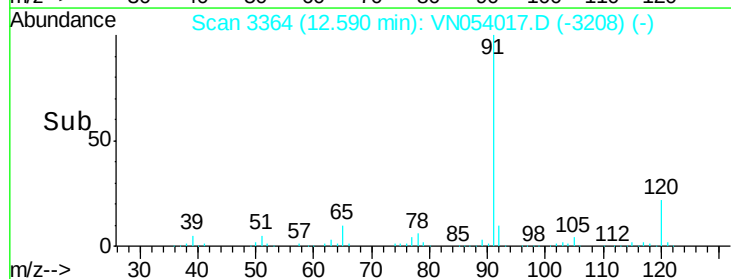
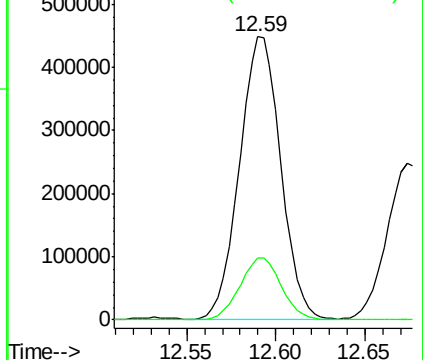
91 100

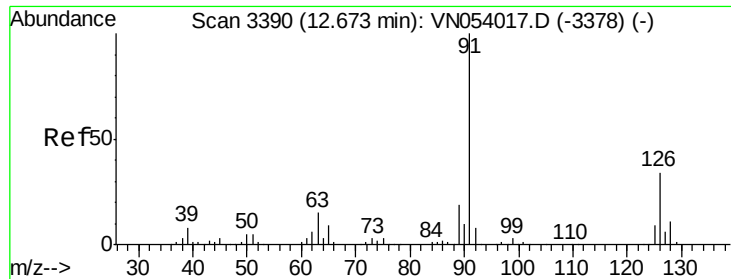
120 22.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.116 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

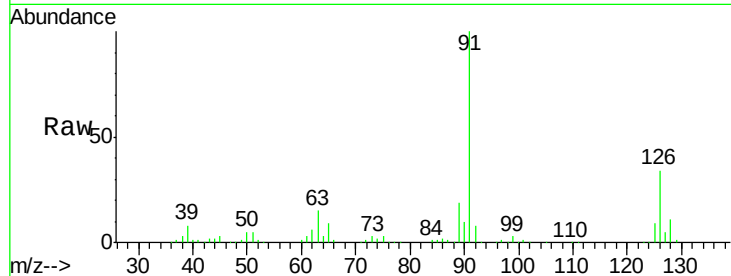
VSTDICCC020

Tot Ion: 91 Resp: 423801

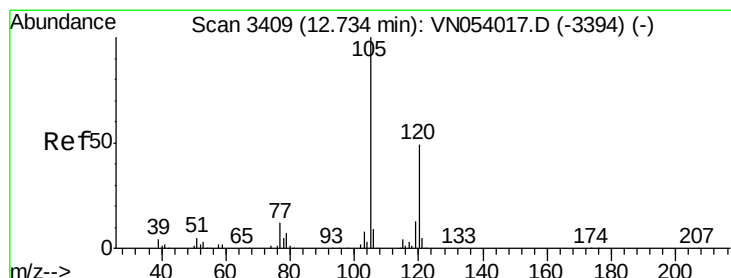
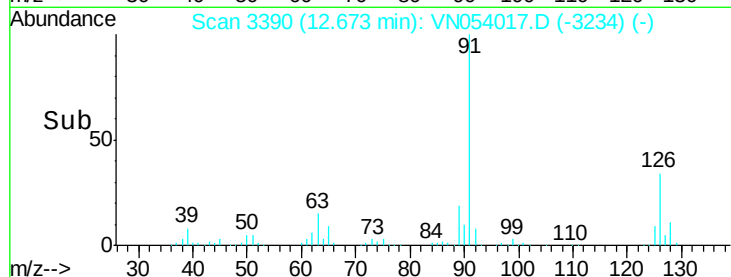
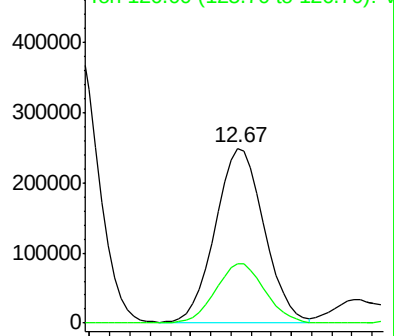
Ion Ratio Lower Upper

91 100

126 34.3 0.0 68.4



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



#76

1,3,5-Trimethylbenzene

Concen: 20.261 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054017.D

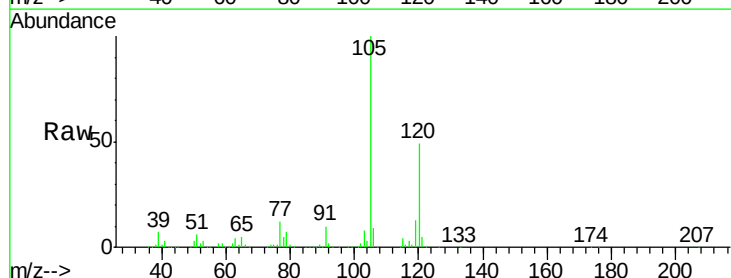
Acq: 1 Mar 2019 9:16

Tgt Ion: 105 Resp: 518530

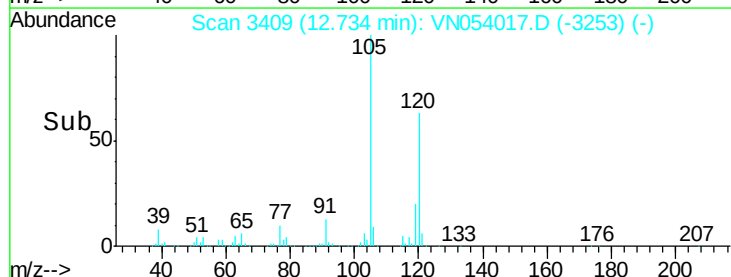
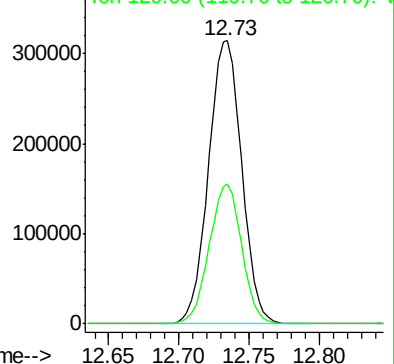
Ion Ratio Lower Upper

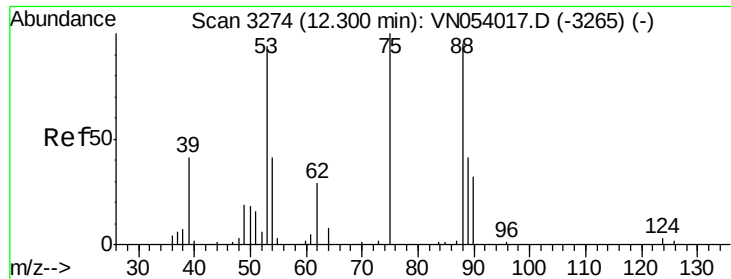
105 100

120 48.1 0.0 97.4



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





#77

t-1,4-Dichloro-2-butene

Concen: 18.233 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

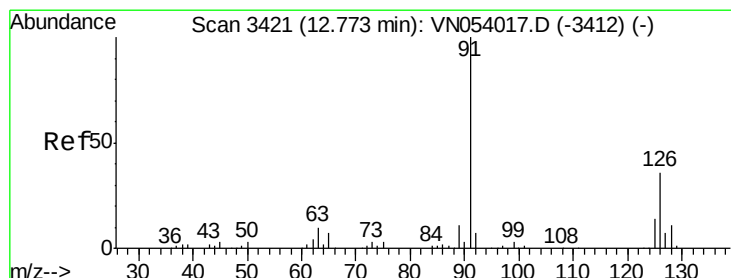
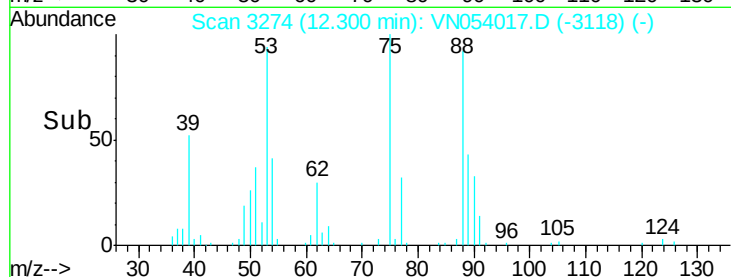
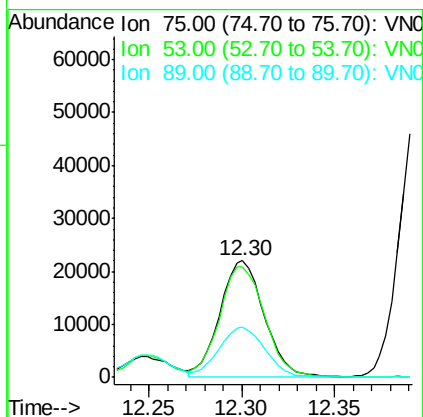
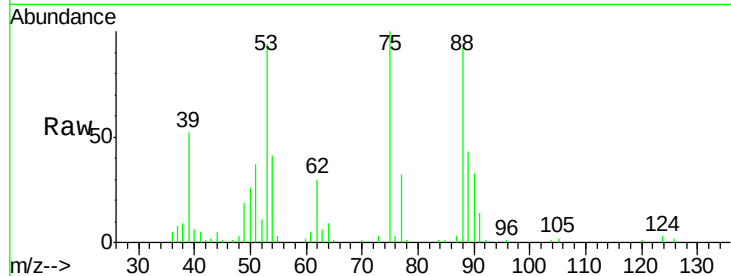
Tot Ion: 75 Resp: 36739

Ion Ratio Lower Upper

75 100

53 93.5 48.5 145.6

89 42.8 21.7 65.1



#78

4-Chlorotoluene

Concen: 20.131 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054017.D

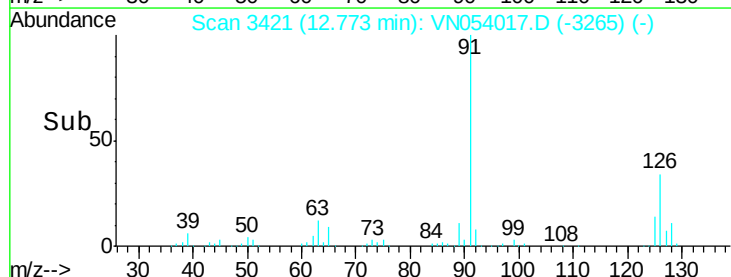
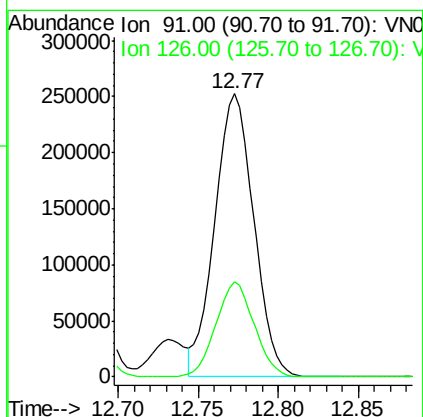
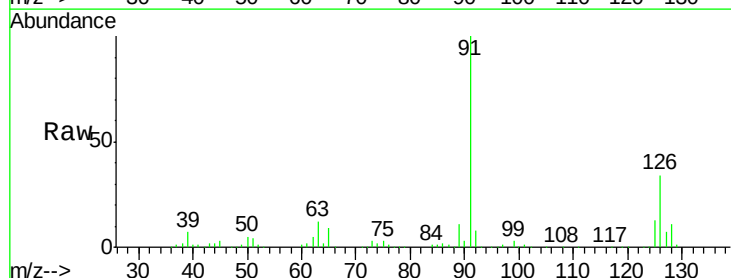
Acq: 1 Mar 2019 9:16

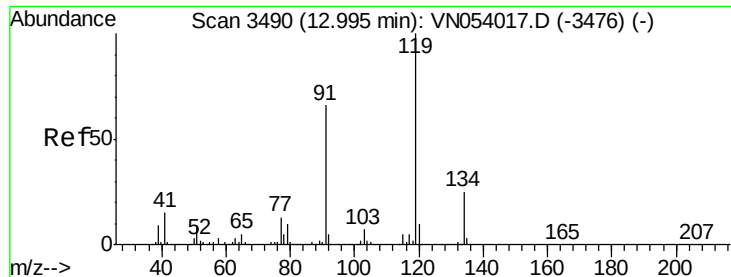
Tgt Ion: 91 Resp: 424393

Ion Ratio Lower Upper

91 100

126 32.7 0.0 68.2

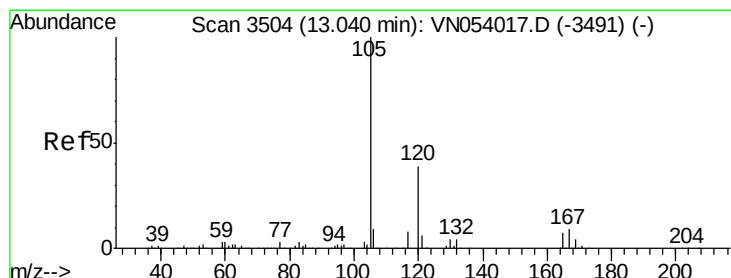
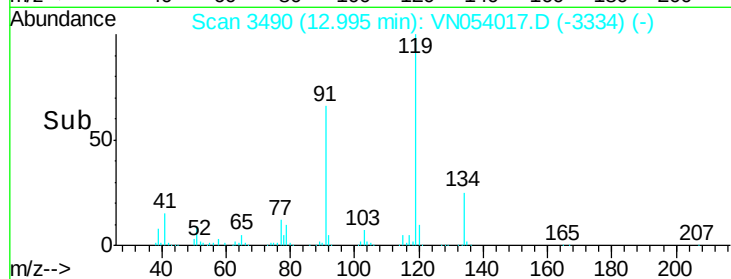
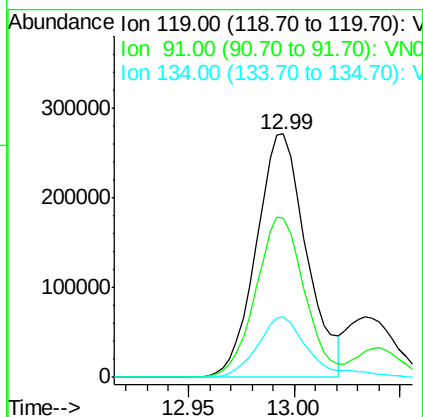
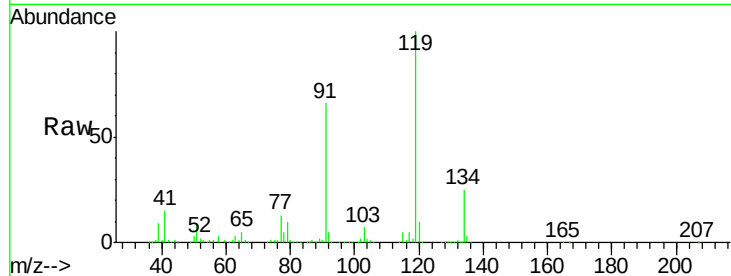




#79
tert-butylbenzene
Concen: 20.058 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

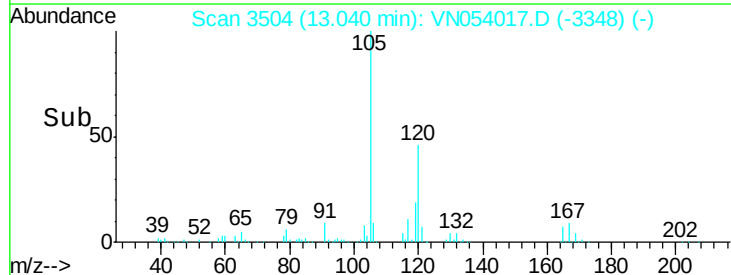
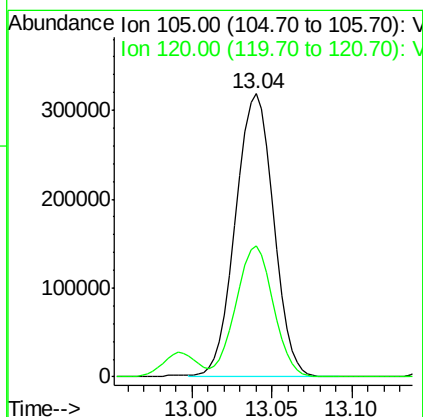
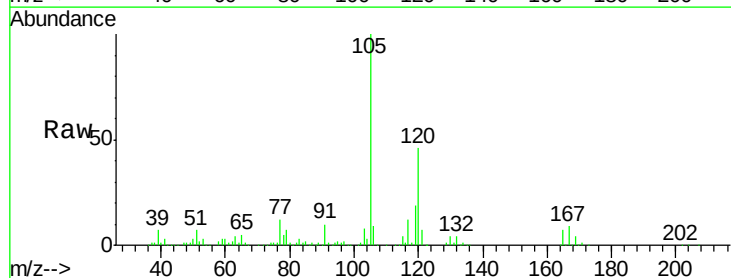
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

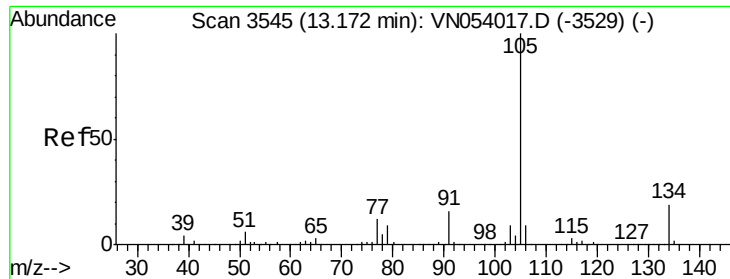
Tot Ion:119 Resp: 449824
Ion Ratio Lower Upper
119 100
91 63.8 0.0 129.8
134 25.6 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.255 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion:105 Resp: 515932
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.0

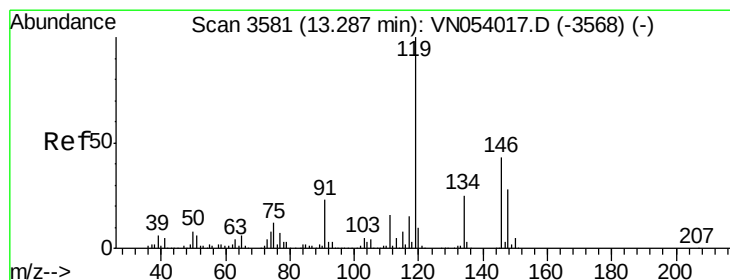
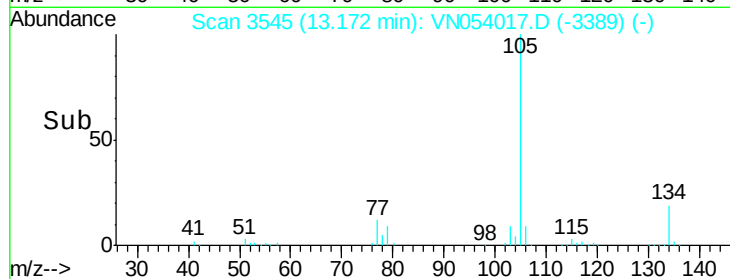
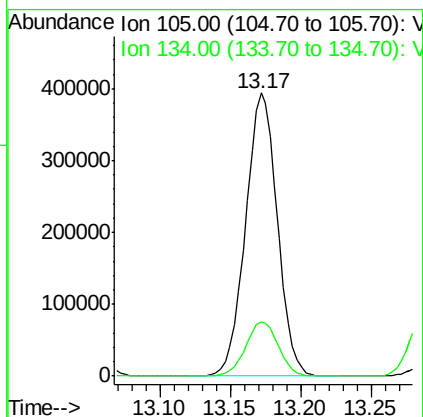
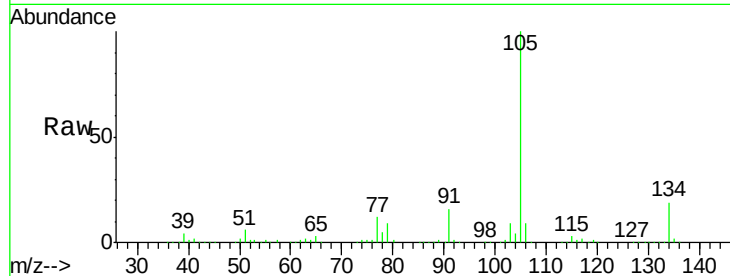




#81
 sec-Butylbenzene
 Concen: 20.130 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

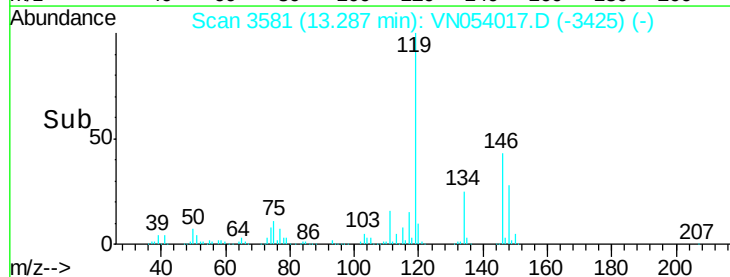
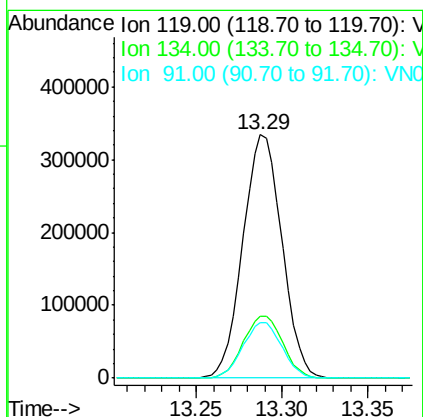
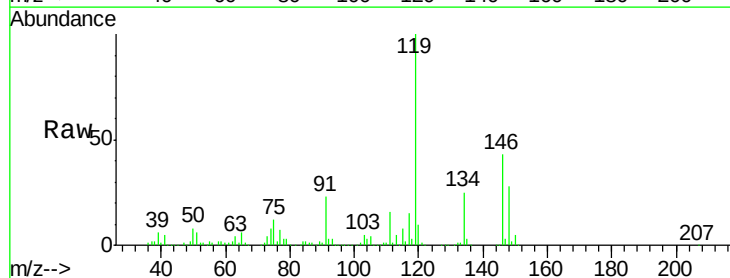
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

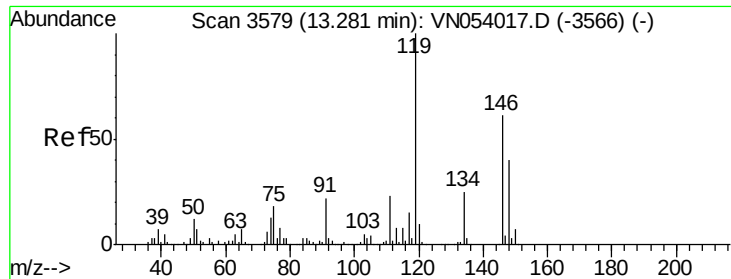
Tot Ion:105 Resp: 619153
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 20.040 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion:119 Resp: 526293
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 52.6
 91 23.0 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 19.743 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

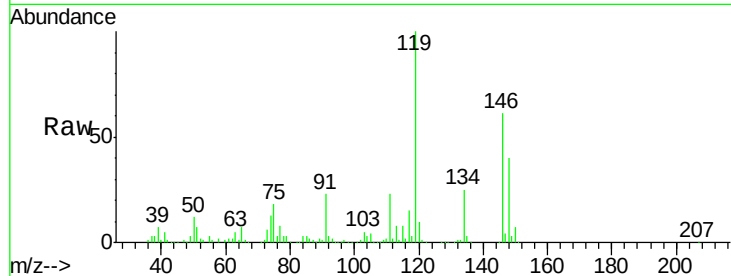
Tot Ion:146 Resp: 265266

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.0

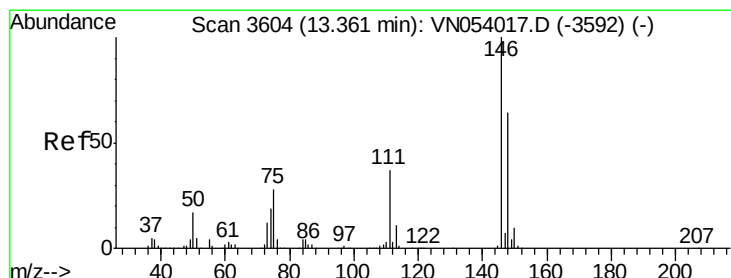
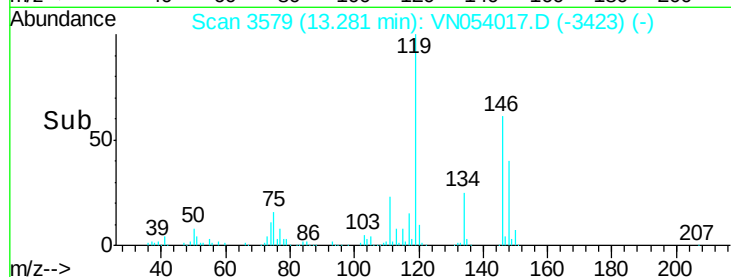
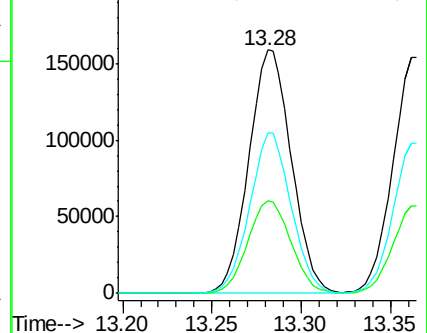
148 64.2 32.3 96.8



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: 19.634 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

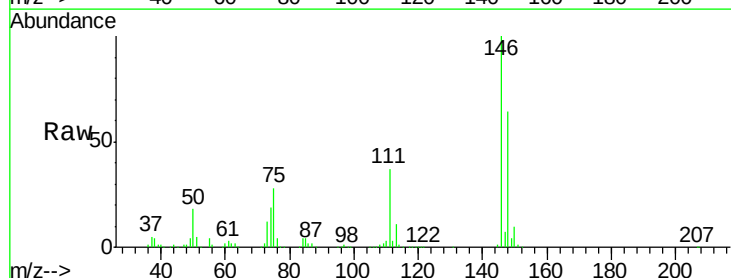
Tgt Ion:146 Resp: 251871

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

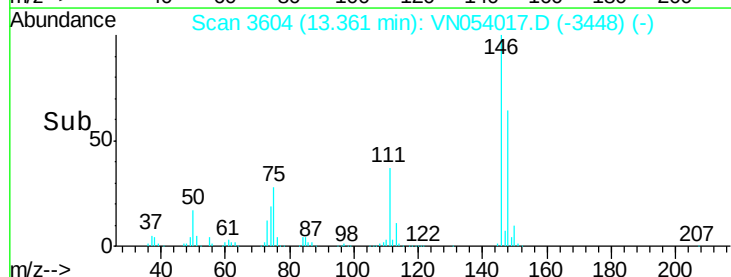
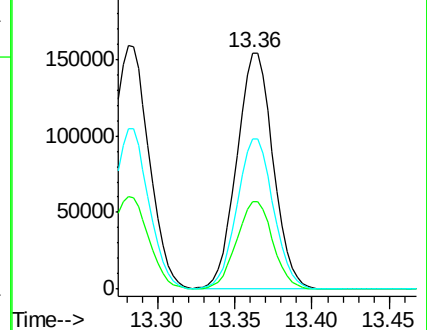
148 63.8 32.5 97.4

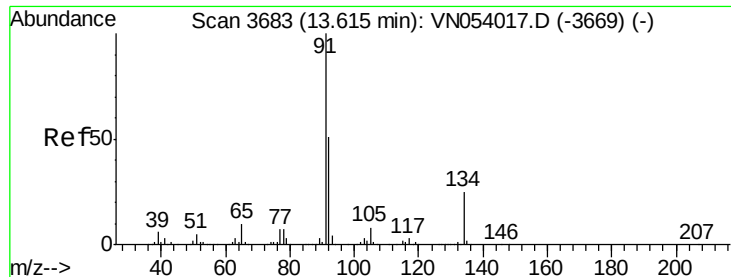


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 19.105 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

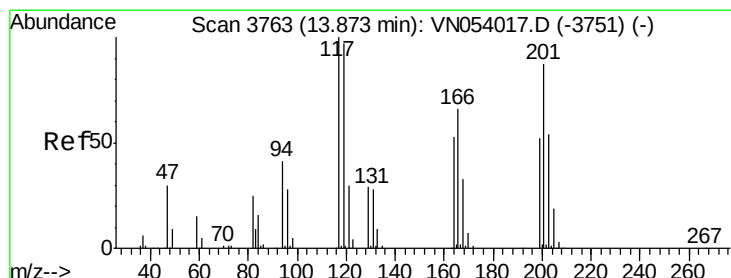
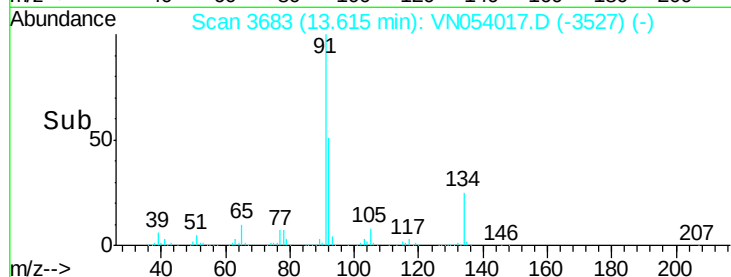
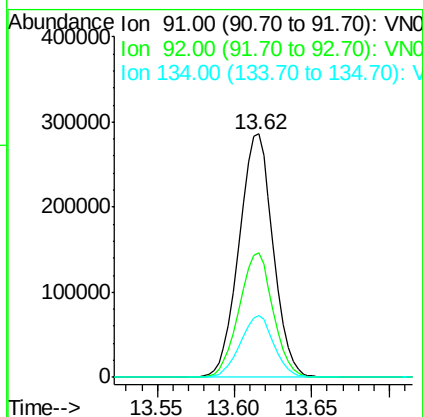
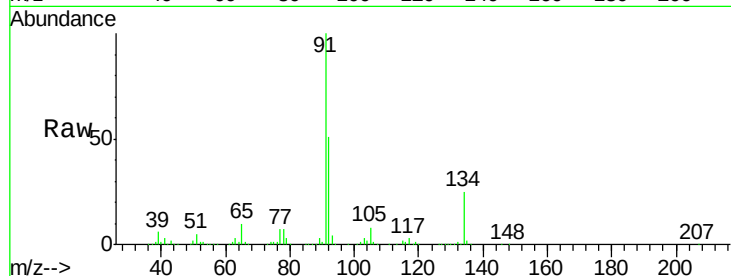
Tot Ion: 91 Resp: 437310

Ion Ratio Lower Upper

91 100

92 51.1 0.0 104.2

134 25.0 0.0 50.6



#86

Hexachloroethane

Concen: 19.142 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054017.D

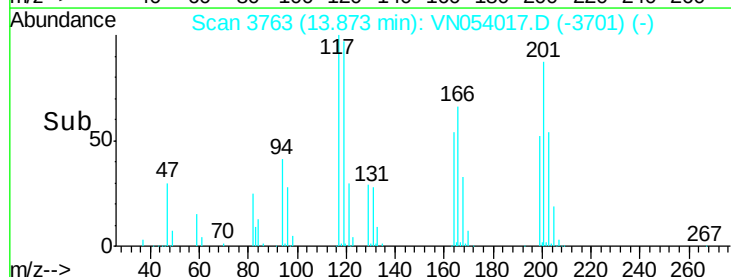
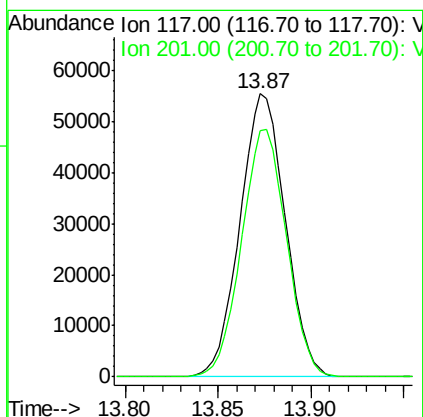
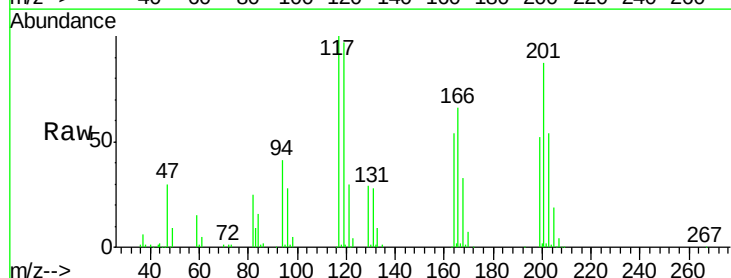
Acq: 1 Mar 2019 9:16

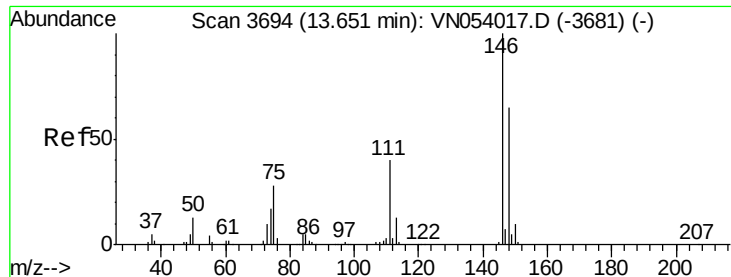
Tgt Ion: 117 Resp: 93990

Ion Ratio Lower Upper

117 100

201 86.5 43.8 131.3

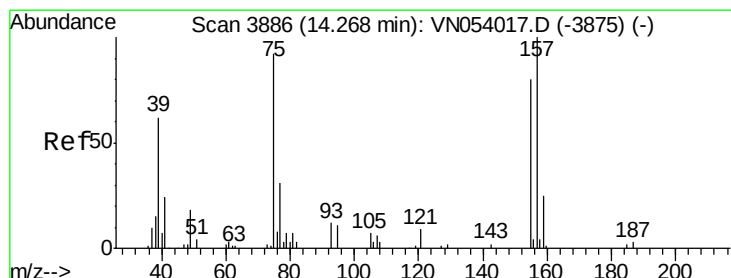
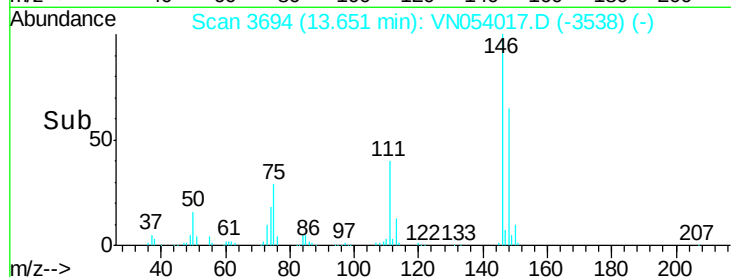
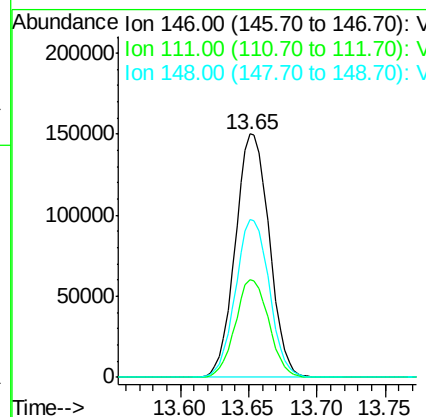
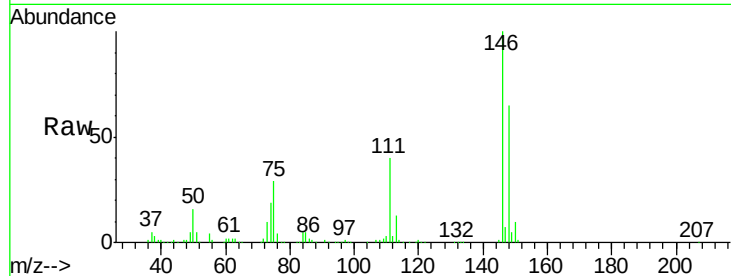




#87
 1,2-Dichlorobenzene
 Concen: 19.934 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

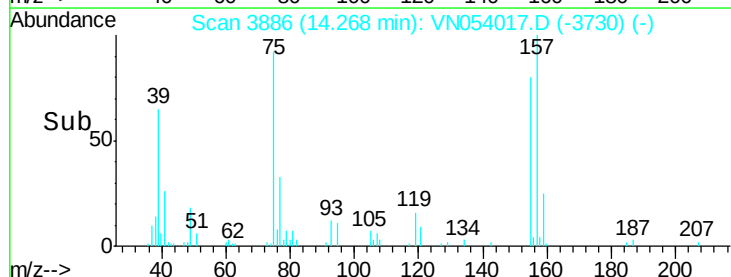
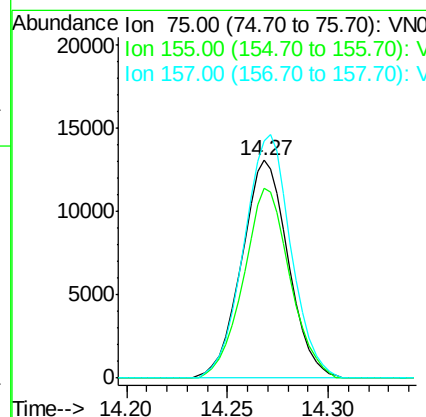
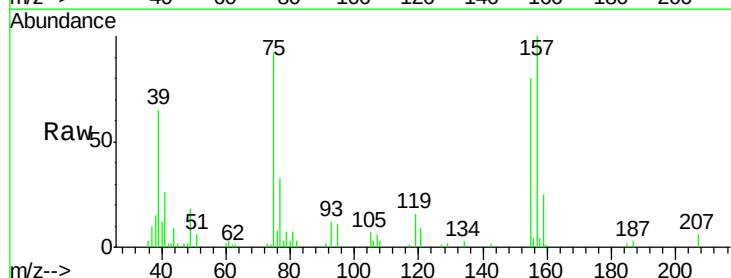
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

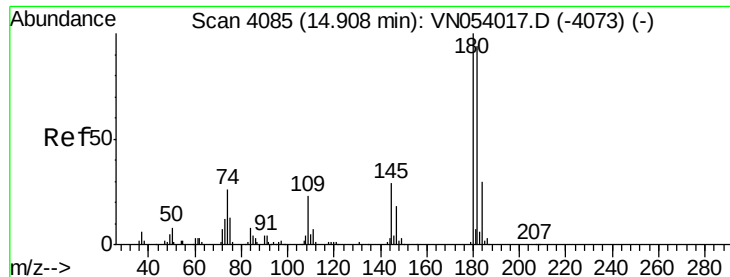
Tot Ion:146 Resp: 259754
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.3 60.8
 148 64.5 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.568 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 75 Resp: 21113
 Ion Ratio Lower Upper
 75 100
 155 86.9 72.2 108.2
 157 112.8 94.2 141.2

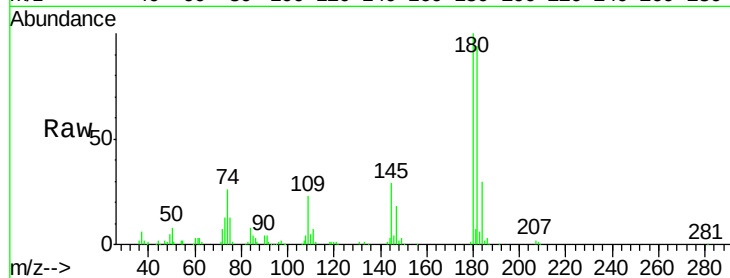




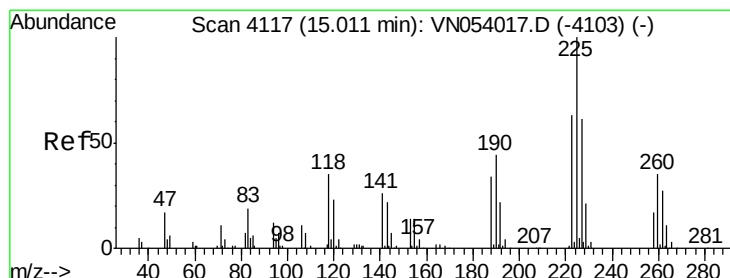
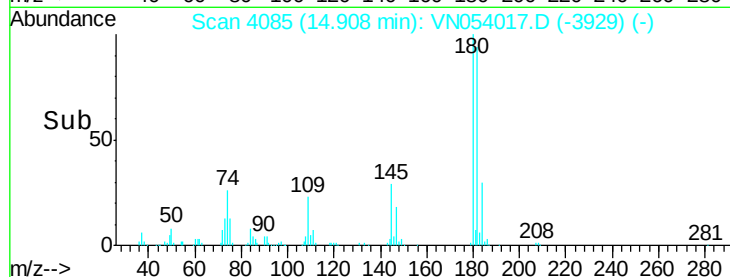
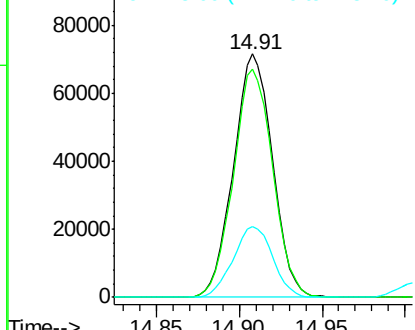
#89
 1,2,4-Trichlorobenzene
 Concen: 17.677 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:180 Resp: 117019
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.6 114.8
 145 29.5 23.6 35.4

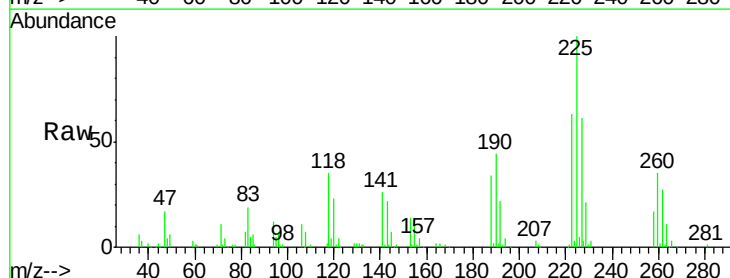


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

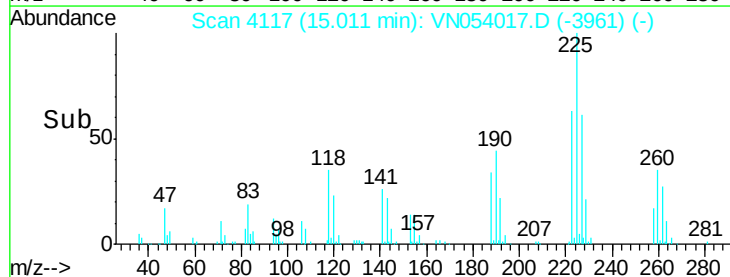
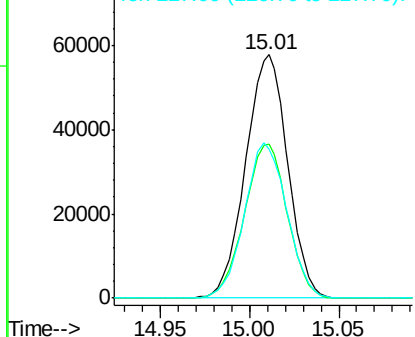


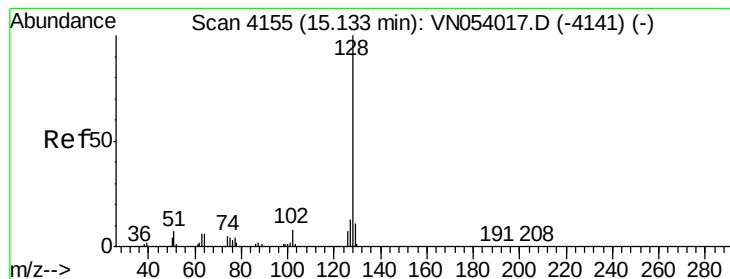
#90
 Hexachlorobutadiene
 Concen: 19.870 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion:225 Resp: 95570
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 125.6
 227 64.1 0.0 127.8



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





#91

Naphthalene

Concen: 19.143 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

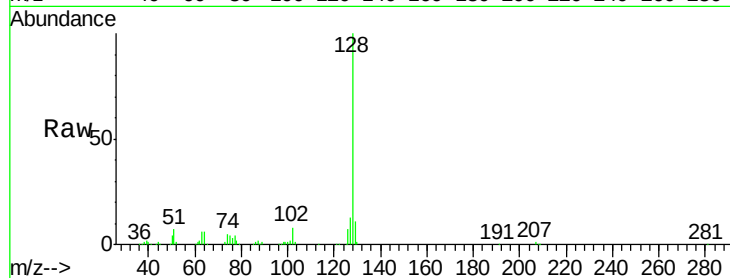
Tot Ion:128 Resp: 219804

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

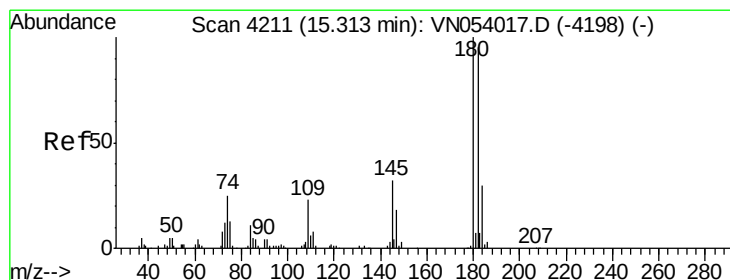
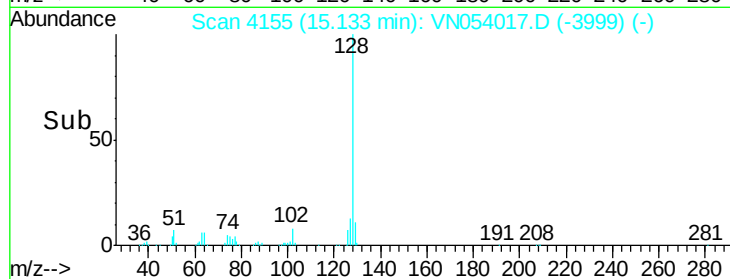
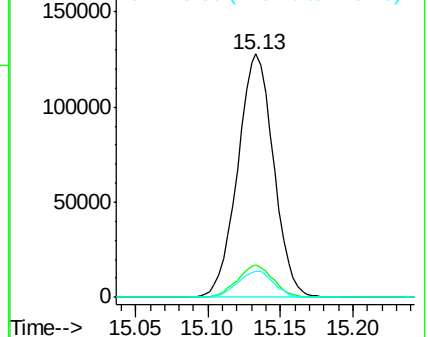
129 10.8 8.5 12.7



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: 18.477 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

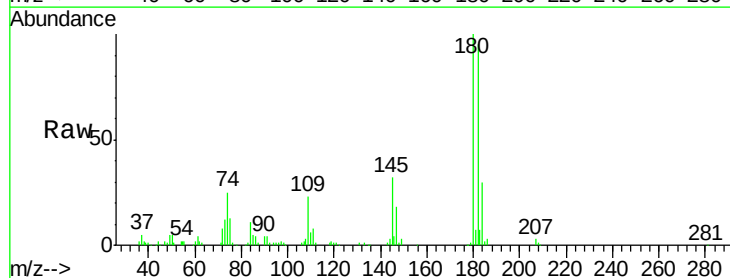
Tgt Ion:180 Resp: 120790

Ion Ratio Lower Upper

180 100

182 94.9 0.0 196.2

145 30.3 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

