

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054019.D
 Acq On : 1 Mar 2019 10:24
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 02 00:17:38 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	122857	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	681552	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	603704	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	257338	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.40	95	281075	30.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.40%
63) Toluene-d8	10.09	98	855539	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	656022	94.440	ug/l 100
3) Chloromethane	2.06	50	903680	97.800	ug/l 98
4) Vinyl Chloride	2.19	62	898132	97.067	ug/l 98
5) Bromomethane	2.57	94	545266	95.797	ug/l 98
6) Chloroethane	2.71	64	531397	97.545	ug/l 99
7) Trichlorofluoromethane	3.02	101	1081877	96.235	ug/l 100
8) Diethyl Ether	3.41	74	425498	100.640	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	678191	93.833	ug/l 98
10) 1,1-Dichloroethene	3.74	96	663636	97.998	ug/l 97
11) Methyl Iodide	3.95	142	1053042	104.833	ug/l 98
12) Methyl Acetate	4.32	43	564252	98.822	ug/l 98
13) Acrolein	3.60	56	354867	532.171	ug/l 100
14) Acrylonitrile	4.98	53	1391306	507.073	ug/l 98
15) Acetone	3.81	58	370362	468.383	ug/l 96
16) Carbon Disulfide	4.06	76	2163540	98.470	ug/l 100
17) Allyl chloride	4.32	41	1174724	98.087	ug/l 99
18) Methylene Chloride	4.55	84	760111	97.203	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	720855	98.120	ug/l 98
20) Diisopropyl ether	5.95	45	2493236	104.068	ug/l 99
21) 1,1-Dichloroethane	5.85	63	1391770	98.365	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	817701	99.979	ug/l 97
23) tert-Butyl Alcohol	4.77	59	248704	506.065	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	1888565	103.016	ug/l 100
25) Chloroform	7.37	83	1327210	97.218	ug/l 100
26) Cyclohexane	7.65	56	1315101	102.129	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	1065908	99.845	ug/l 99
30) 2-Butanone	6.83	43	1682448	499.135	ug/l 99
31) 2,2-Dichloropropane	6.82	77	1030788	97.921	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	1123273	97.822	ug/l 98
33) Carbon Tetrachloride	7.77	117	990287	97.402	ug/l 100
34) Benzene	8.04	78	3147461	99.203	ug/l # 93
35) Methacrylonitrile	7.17	41	379558	100.707	ug/l 98
36) 1,2-Dichloroethane	8.12	62	980622	96.252	ug/l 100
37) Trichloroethene	8.83	130	805512	97.259	ug/l 100
38) Methylcyclohexane	9.08	83	1295440	102.811	ug/l 98
39) 1,2-Dichloropropane	9.12	63	846492	97.390	ug/l 98
40) Dibromomethane	9.21	93	487259	97.788	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1036405	98.030	ug/l	99
42) Vinyl Acetate	5.89	43	9137373	524.716	ug/l	99
43) Ethyl Acetate	6.92	43	727586	103.054	ug/l #	67
44) Isopropyl Acetate	8.16	43	1268489	102.391	ug/l	98
45) 1,4-Dioxane	9.20	88	150380	1948.354	ug/l	96
46) Methyl methacrylate	9.20	41	633817	106.511	ug/l	98
47) n-amyl Acetate	12.07	43	994148	109.239	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1109465	104.662	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	1267707	101.843	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	676703	96.817	ug/l	99
51) Ethyl methacrylate	10.43	69	913496	108.566	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1201982	100.199	ug/l	99
53) Dibromochloromethane	10.90	129	771597	100.465	ug/l	97
54) 1,2-Dibromoethane	11.00	107	670005	100.631	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	2106962	539.599	ug/l	99
56) Bromoform	12.13	173	525335	103.015	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3496001	513.920	ug/l	98
59) 2-Hexanone	10.75	43	2289508	515.133	ug/l	99
61) Tetrachloroethene	10.63	164	776701	92.546	ug/l	96
62) Toluene	10.16	91	3308309	98.055	ug/l	100
64) Chlorobenzene	11.43	112	2022094	98.424	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	740095	98.108	ug/l	100
66) Ethyl Benzene	11.51	91	3564430	101.069	ug/l	99
67) m/p-Xylenes	11.62	106	2661553	200.448	ug/l	100
68) o-Xylene	11.95	106	1293436	100.490	ug/l	100
69) Styrene	11.96	104	2105229	103.292	ug/l	99
70) Isopropylbenzene	12.25	105	3364830	99.604	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	833602	99.974	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1043577	164.832	ug/l	43
73) Bromobenzene	12.53	156	844726	99.179	ug/l	99
74) n-propylbenzene	12.59	91	4043907	100.526	ug/l	100
75) 2-Chlorotoluene	12.67	91	2324985	98.697	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2860408	99.958	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	236891	105.147	ug/l	96
78) 4-Chlorotoluene	12.77	91	2362997	100.245	ug/l	99
79) tert-butylbenzene	12.99	119	2518332	100.431	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2885711	101.321	ug/l	100
81) sec-Butylbenzene	13.17	105	3398566	98.823	ug/l	100
82) p-Isopropyltoluene	13.29	119	2952359	100.541	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1513716	100.760	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1489944	103.877	ug/l	99
85) n-Butylbenzene	13.61	91	2725422	106.490	ug/l	100
86) Hexachloroethane	13.87	117	551517	100.457	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	1454065	99.801	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	117096	97.063	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	846916	114.419	ug/l	99
90) Hexachlorobutadiene	15.01	225	519442	96.589	ug/l	99
91) Naphthalene	15.13	128	1752178	93.527	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	805663	110.222	ug/l	98

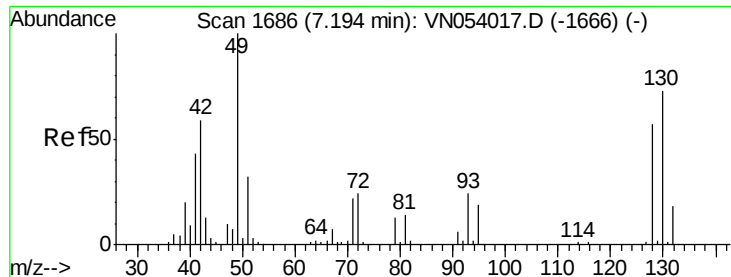
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

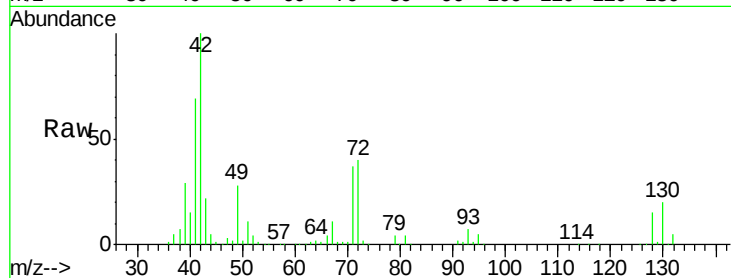
Tot Ion:128 Resp: 122857

Ion Ratio Lower Upper

128 100

49 180.6 0.0 431.8

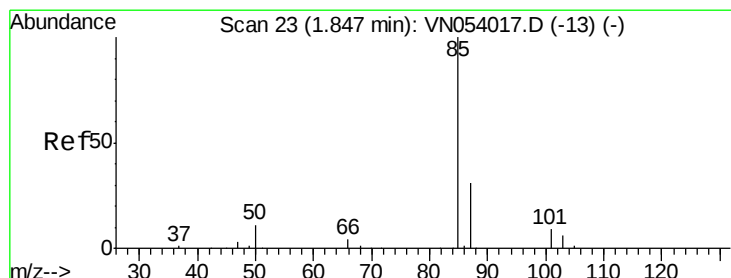
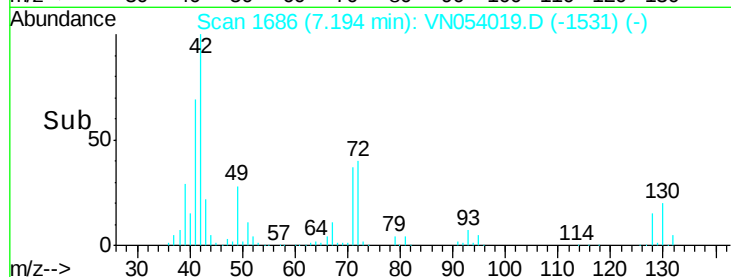
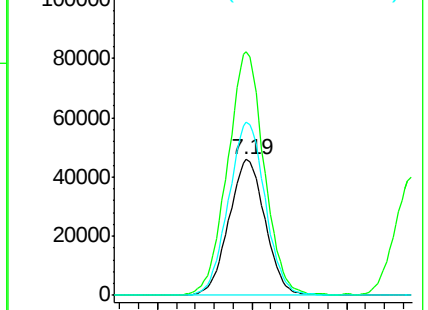
130 128.6 0.0 317.0



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: 94.440 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054019.D

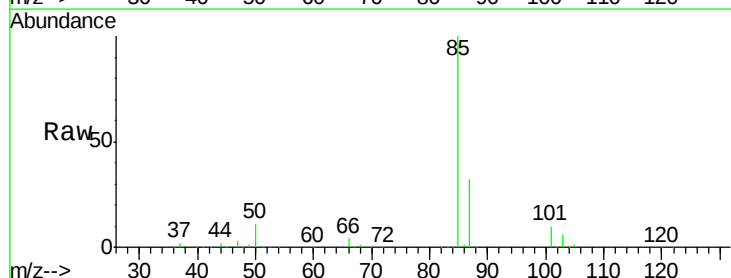
Acq: 1 Mar 2019 10:24

Tgt Ion: 85 Resp: 656022

Ion Ratio Lower Upper

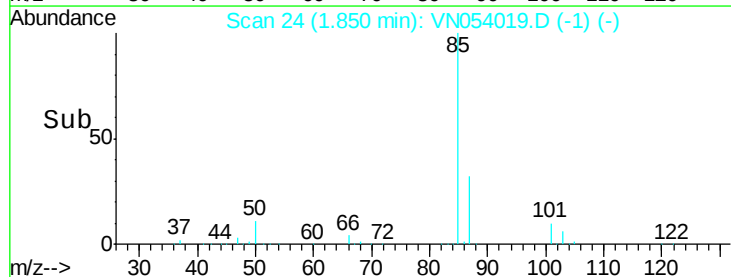
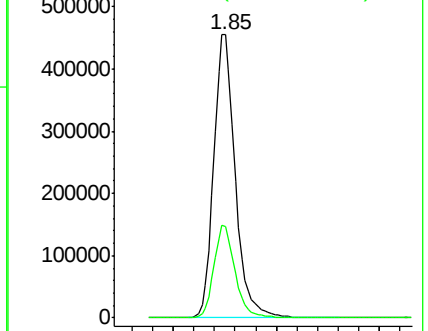
85 100

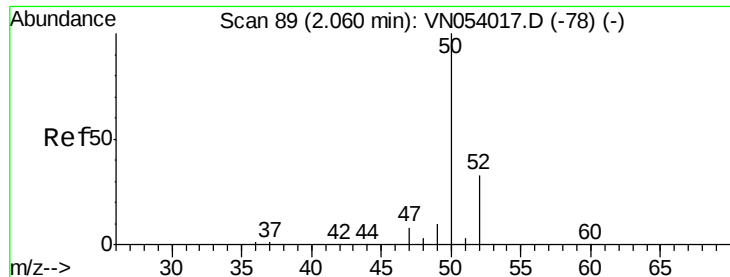
87 32.4 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 97.800 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

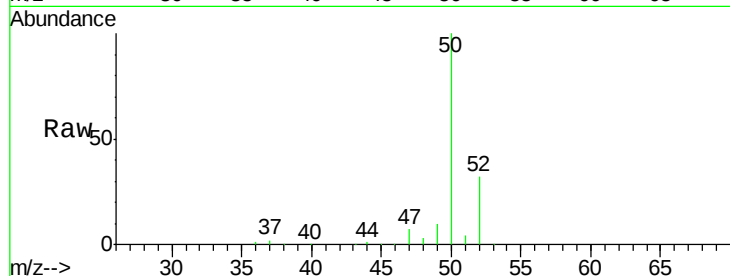
VSTDIC100

Tot Ion: 50 Resp: 903680

Ion Ratio Lower Upper

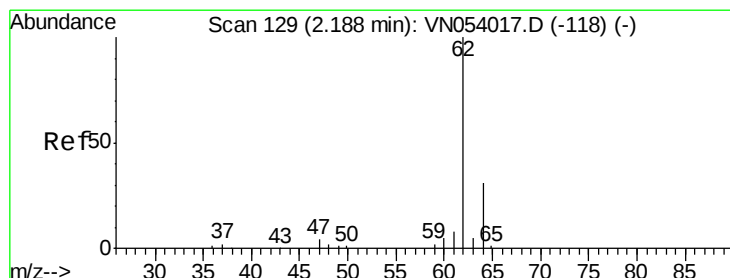
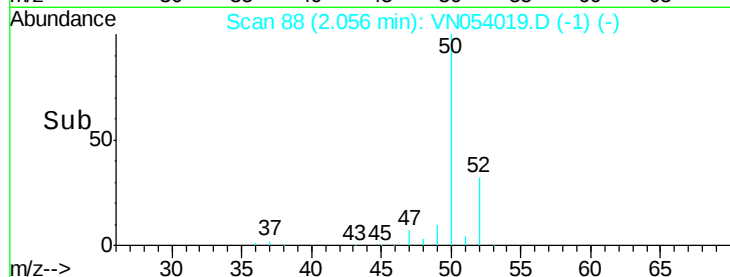
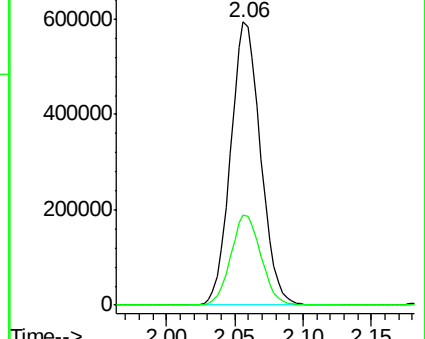
50 100

52 32.0 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 97.067 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054019.D

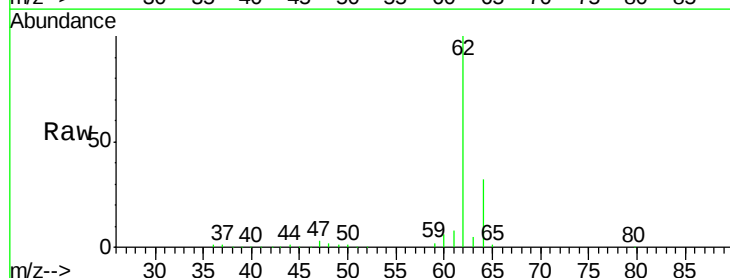
Acq: 1 Mar 2019 10:24

Tgt Ion: 62 Resp: 898132

Ion Ratio Lower Upper

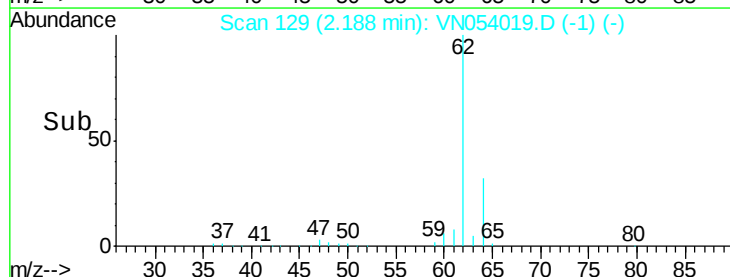
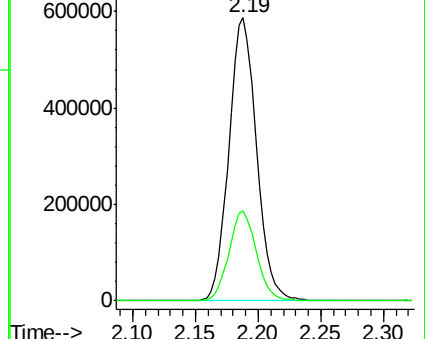
62 100

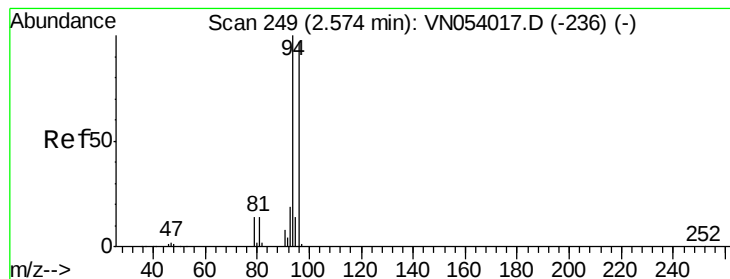
64 31.6 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 95.797 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

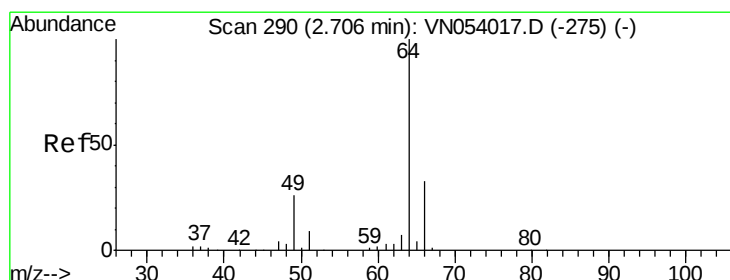
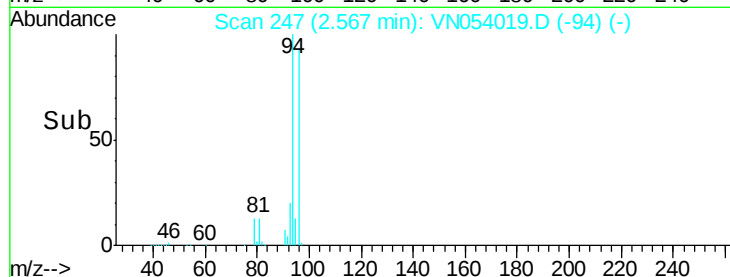
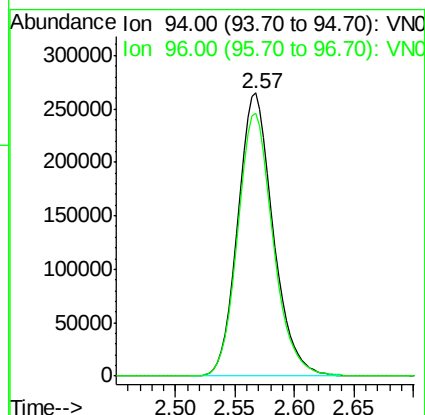
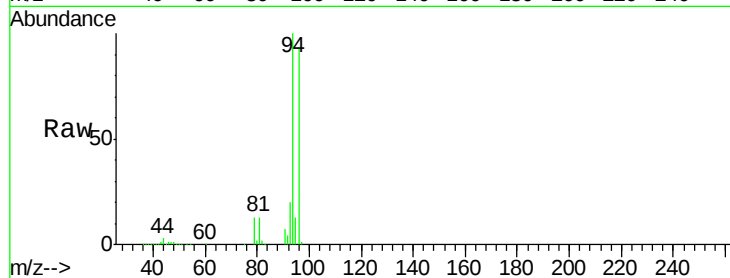
VSTDIC100

Tot Ion: 94 Resp: 545266

Ion Ratio Lower Upper

94 100

96 93.1 76.2 114.2



#6

Chloroethane

Concen: 97.545 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054019.D

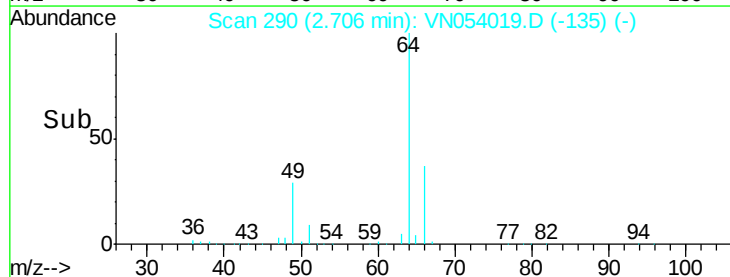
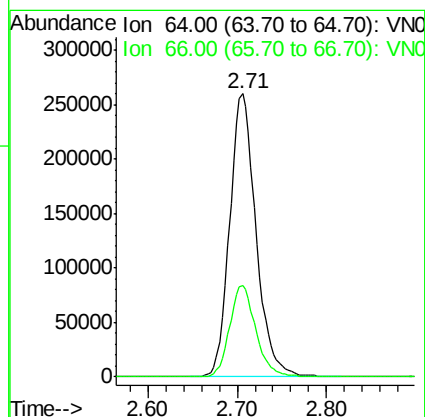
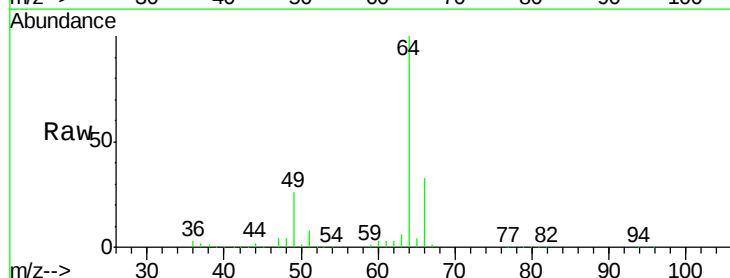
Acq: 1 Mar 2019 10:24

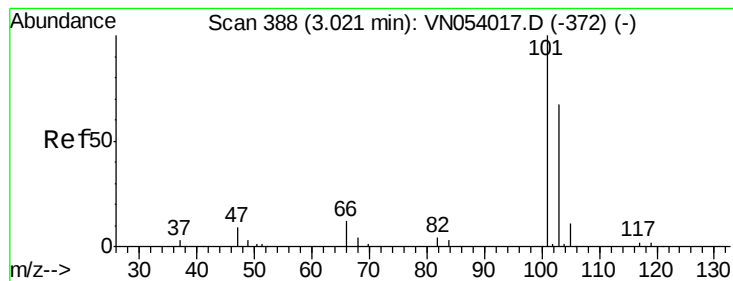
Tgt Ion: 64 Resp: 531397

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4



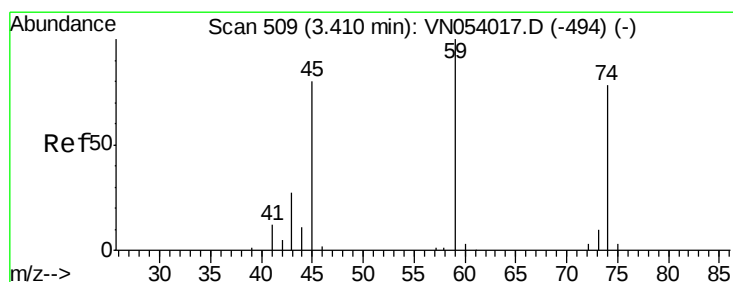
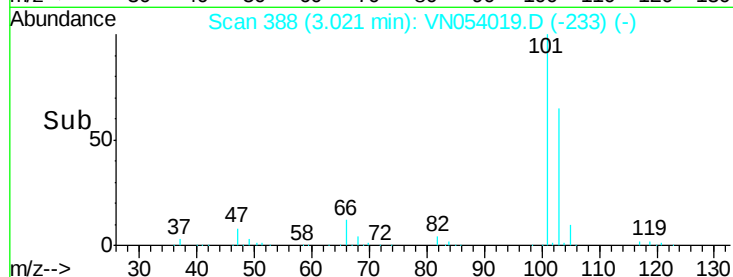
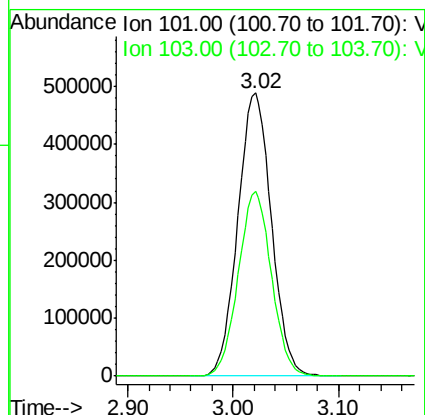
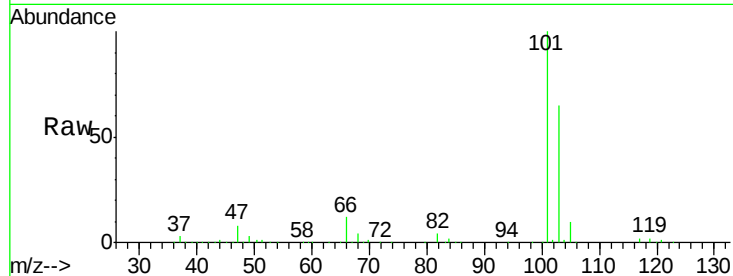


#7

Trichlorofluoromethane
Concen: 96.235 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

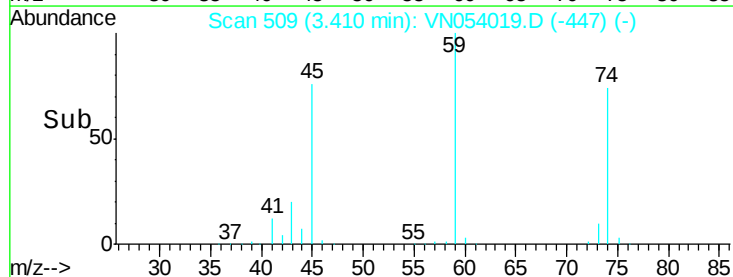
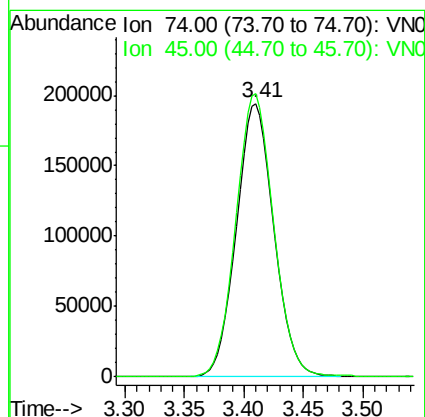
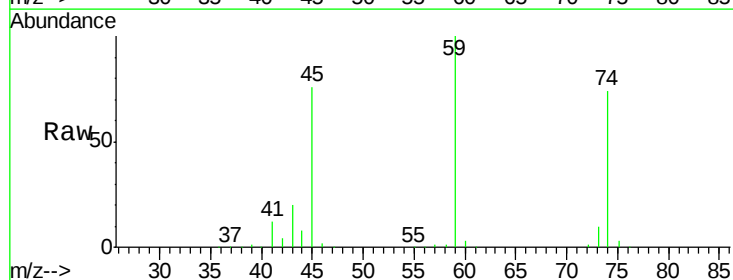
Tot Ion:101 Resp: 1081877
Ion Ratio Lower Upper
101 100
103 65.2 52.1 78.1

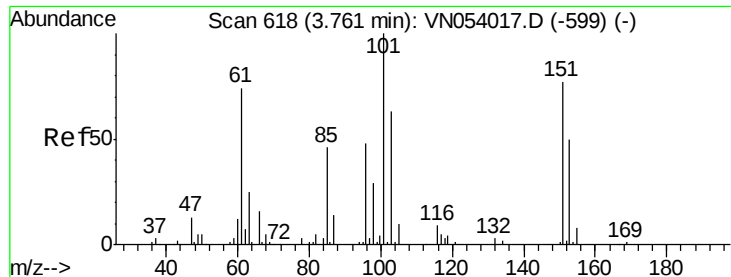


#8

Diethyl Ether
Concen: 100.640 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 74 Resp: 425498
Ion Ratio Lower Upper
74 100
45 103.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.833 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

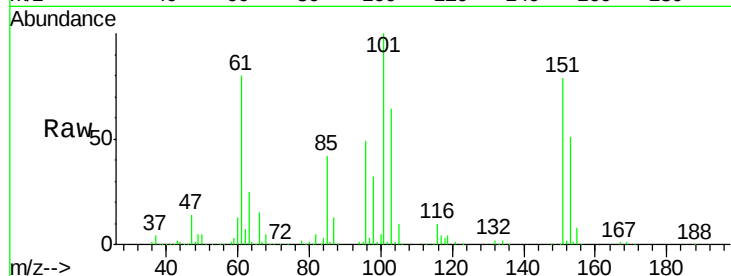
Tot Ion:101 Resp: 678191

Ion Ratio Lower Upper

101 100

85 42.8 0.0 82.6

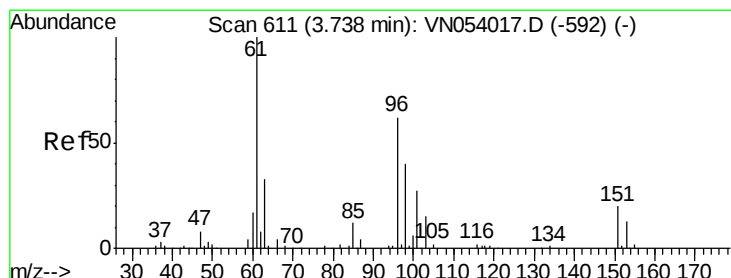
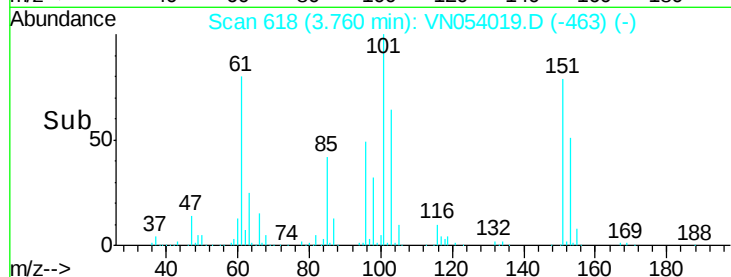
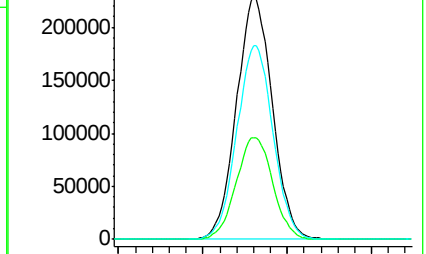
151 80.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 97.998 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

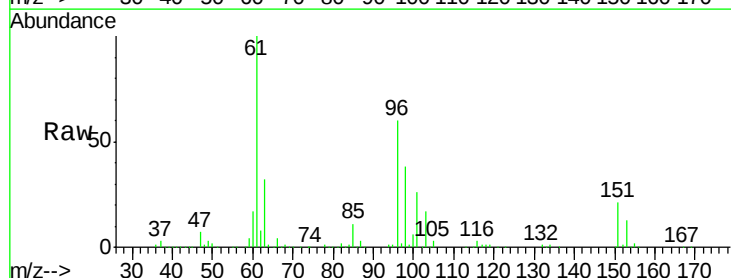
Tgt Ion: 96 Resp: 663636

Ion Ratio Lower Upper

96 100

61 166.8 129.4 194.2

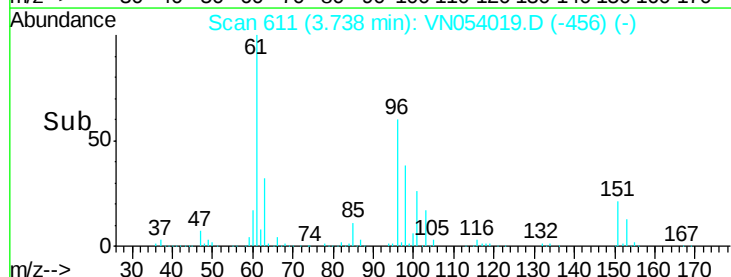
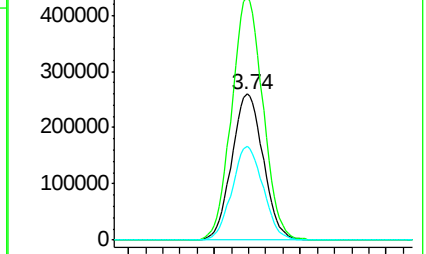
98 64.1 50.4 75.6

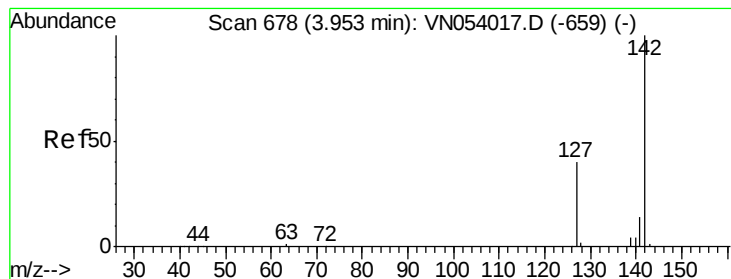


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V





#11

Methvl Iodide

Concen: 104.833 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

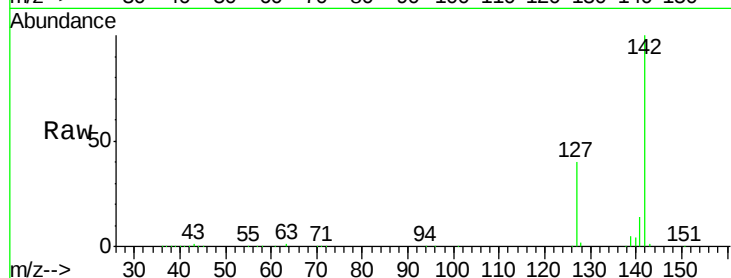
Tot Ion:142 Resp: 1053042

Ion Ratio Lower Upper

142 100

127 40.4 19.4 58.1

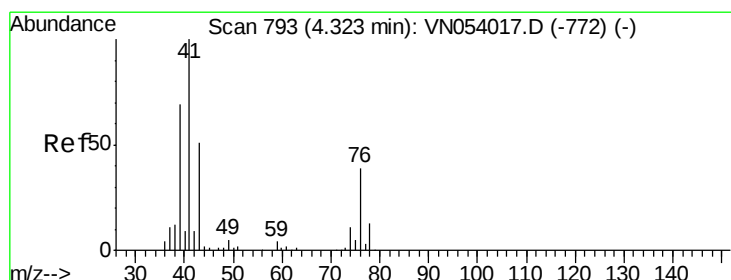
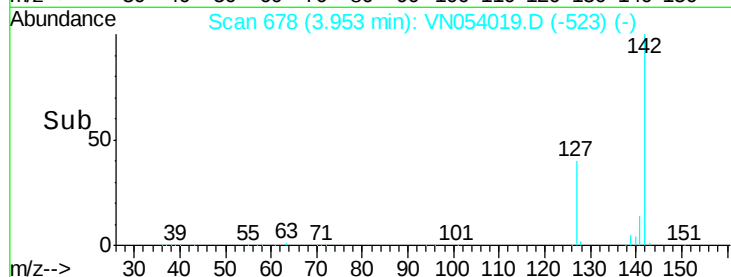
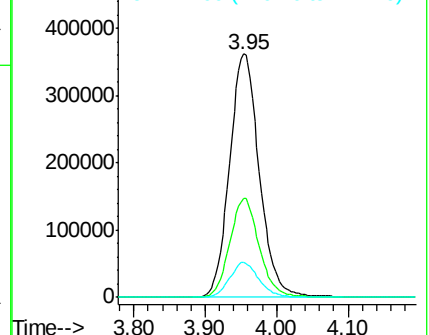
141 14.4 7.2 21.6



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: 98.822 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054019.D

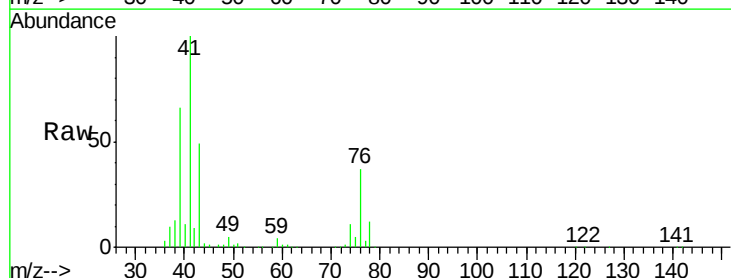
Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 564252

Ion Ratio Lower Upper

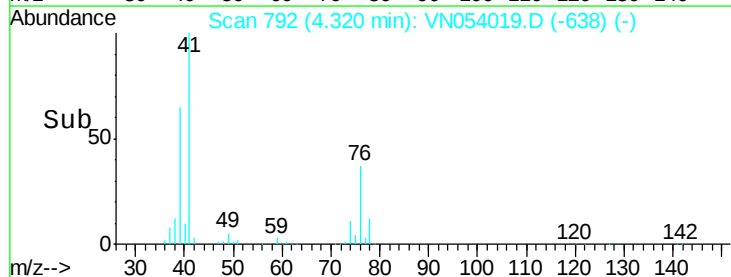
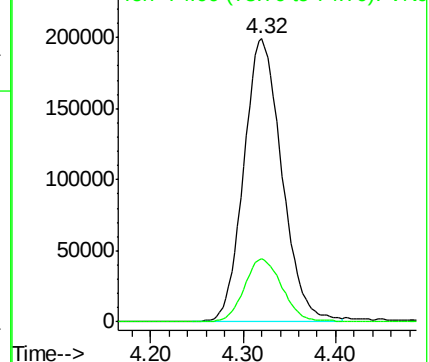
43 100

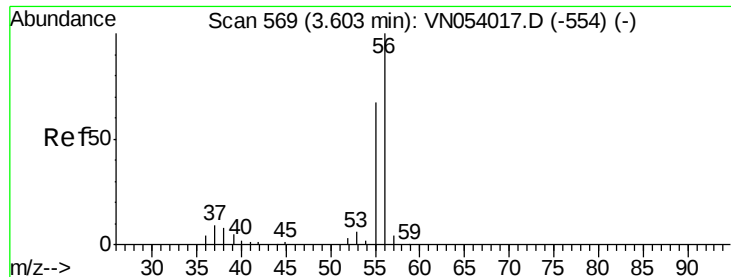
74 22.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 532.171 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

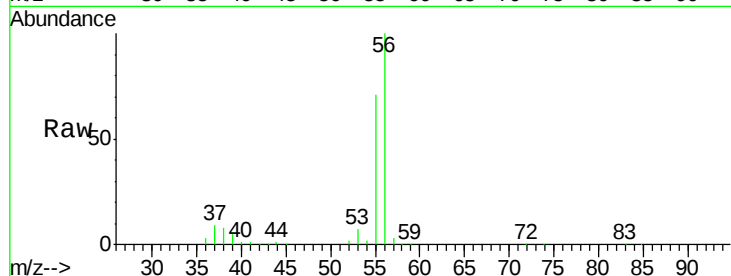
VSTDIC100

Tot Ion: 56 Resp: 354867

Ion Ratio Lower Upper

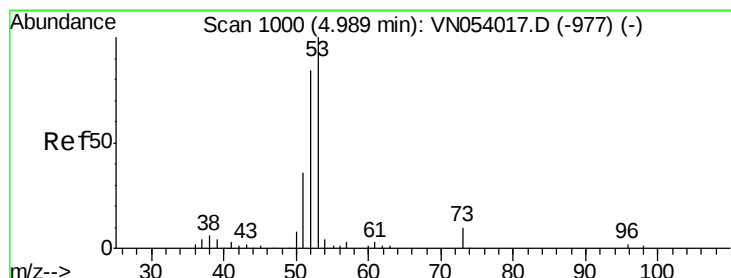
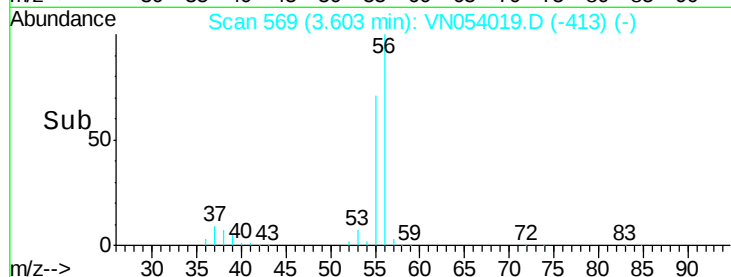
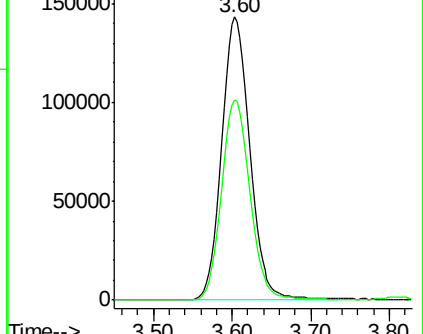
56 100

55 71.1 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: 507.073 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

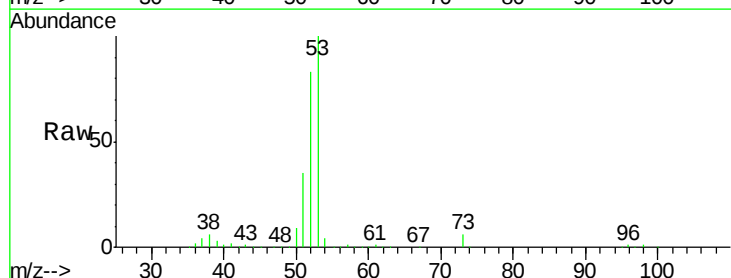
Tgt Ion: 53 Resp: 1391306

Ion Ratio Lower Upper

53 100

52 82.5 39.9 119.7

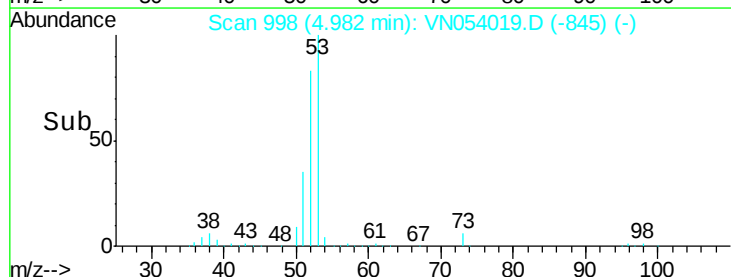
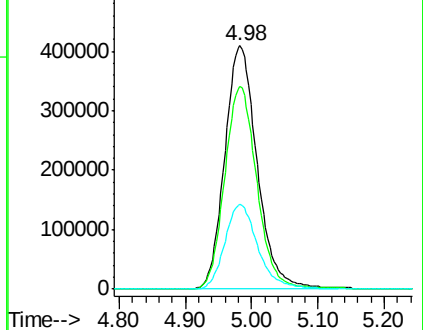
51 35.7 17.6 52.9

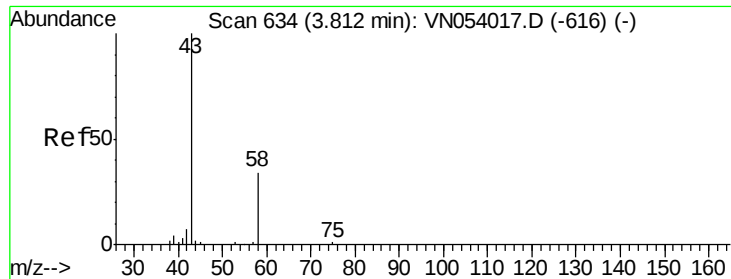


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

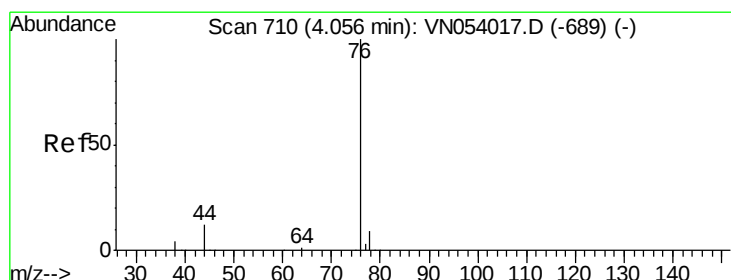
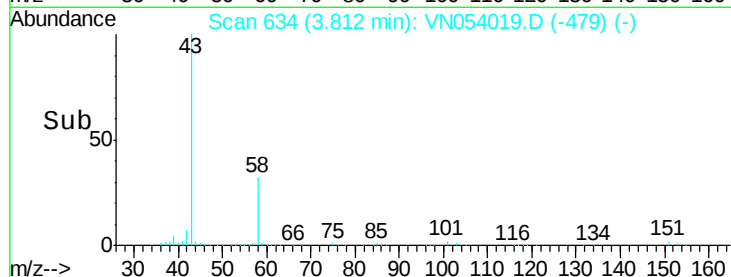
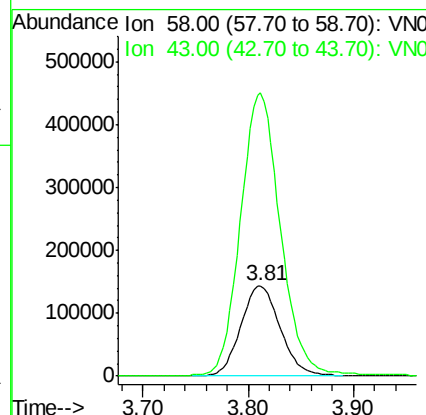
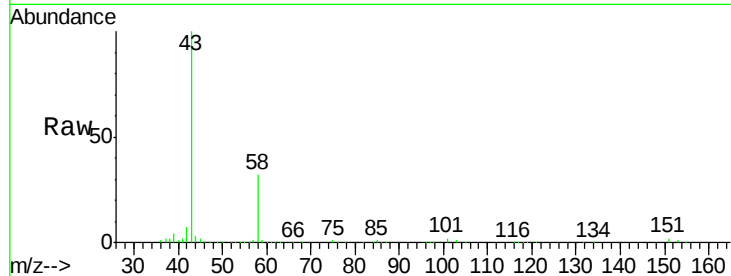




#15
Acetone
Concen: 468.383 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

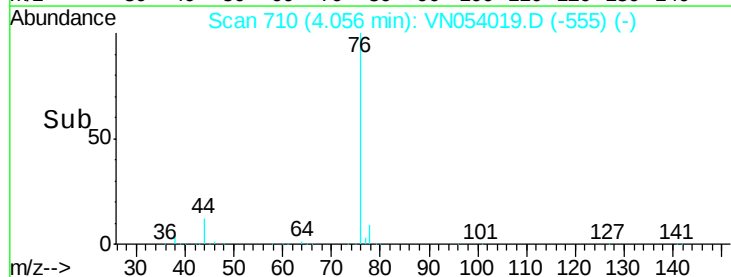
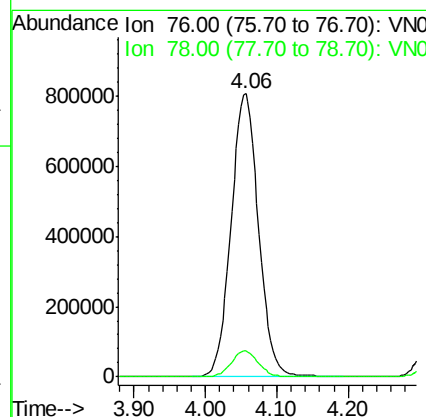
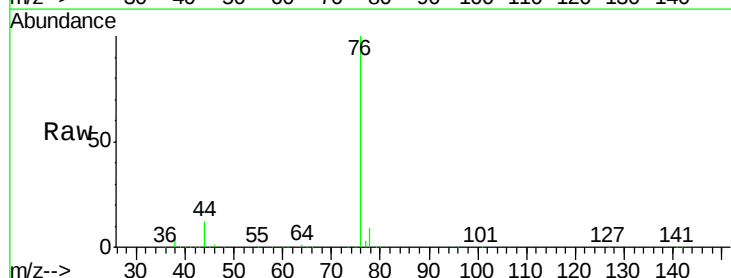
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

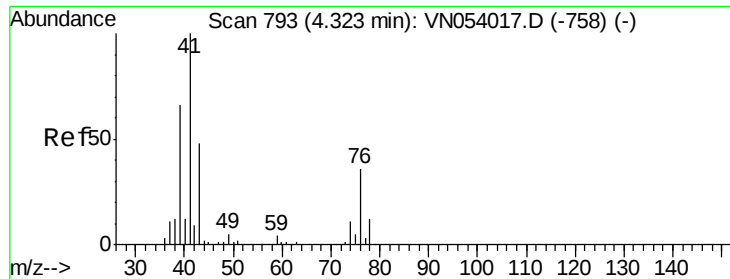
Tot Ion: 58 Resp: 370362
Ion Ratio Lower Upper
58 100
43 312.0 243.6 365.4



#16
Carbon Disulfide
Concen: 98.470 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 76 Resp: 2163540
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

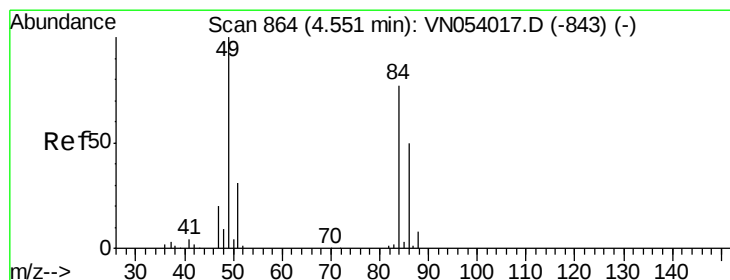
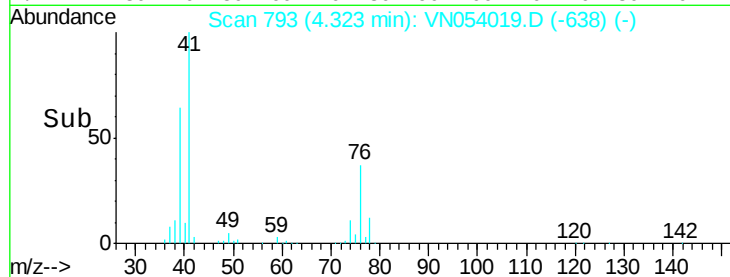
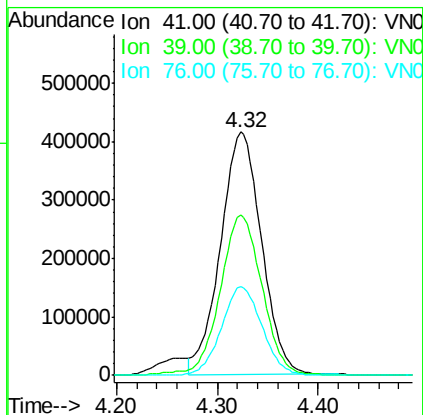
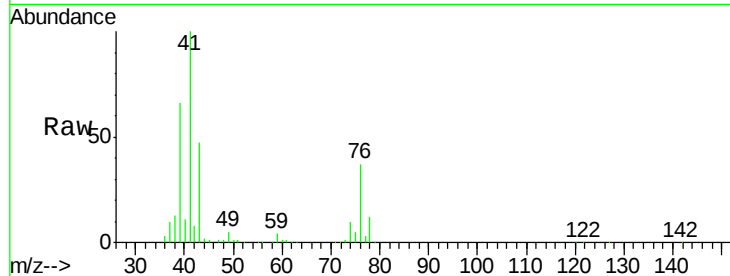




#17
Allvl chloride
Concen: 98.087 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

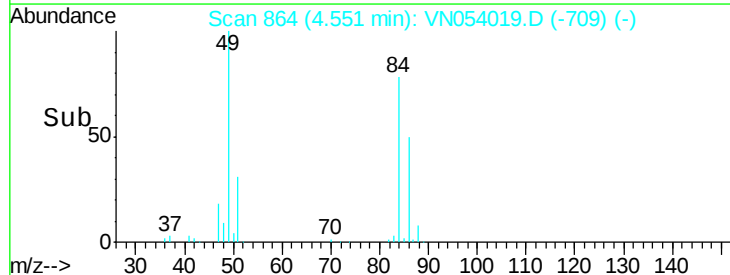
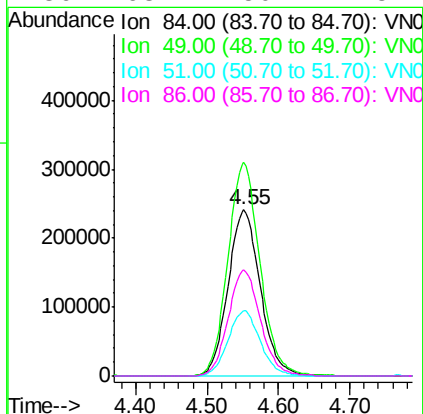
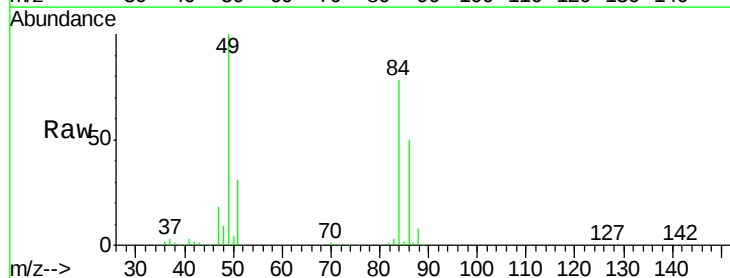
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

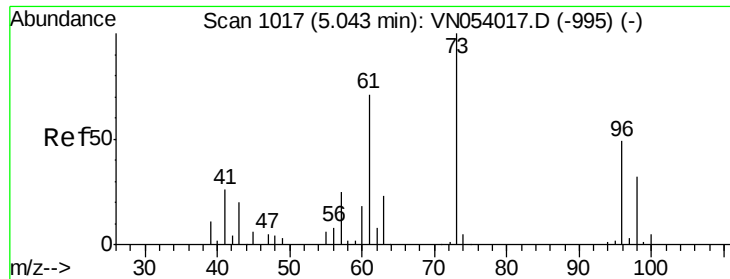
Tot Ion: 41 Resp: 1174724
Ion Ratio Lower Upper
41 100
39 65.8 32.8 98.3
76 36.5 18.6 55.8



#18
Methylene Chloride
Concen: 97.203 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 84 Resp: 760111
Ion Ratio Lower Upper
84 100
49 128.6 101.4 152.0
51 39.6 31.7 47.5
86 63.7 50.1 75.1

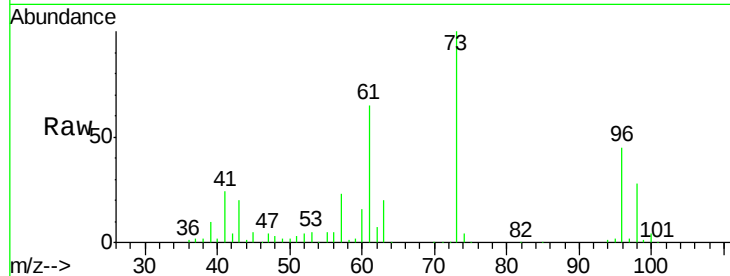




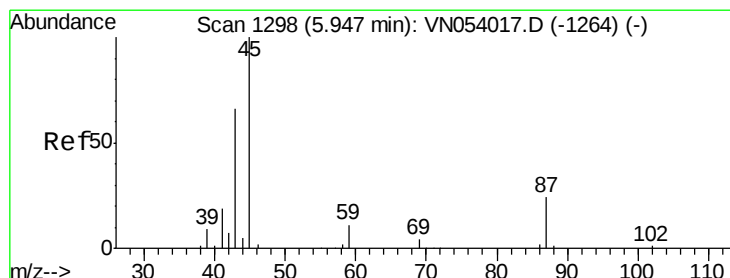
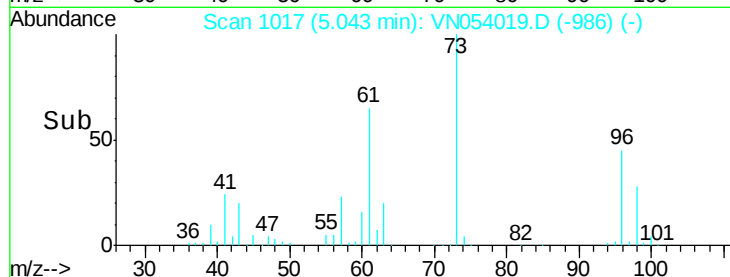
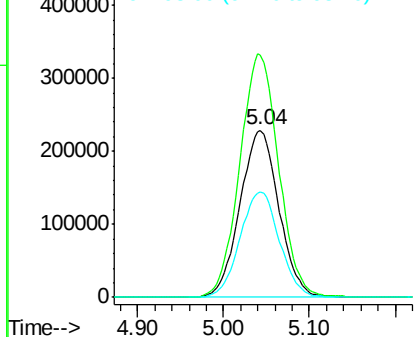
#19
trans-1,2-Dichloroethene
Concen: 98.120 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 720855
Ion Ratio Lower Upper
96 100
61 145.3 118.2 177.4
98 62.8 51.4 77.2

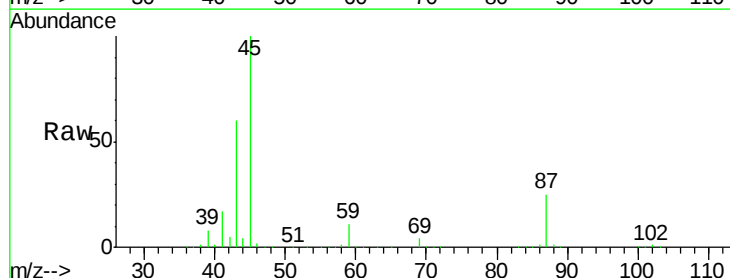


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

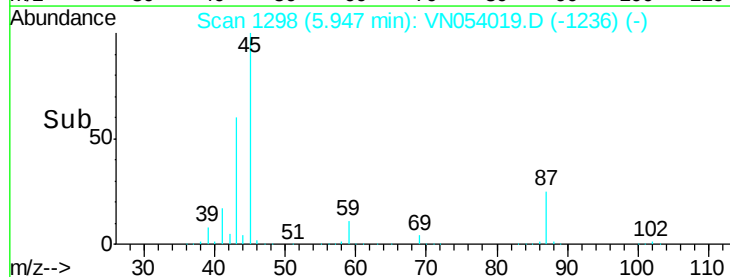
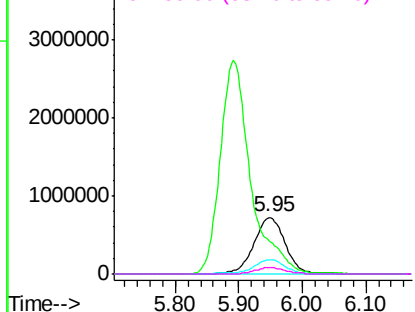


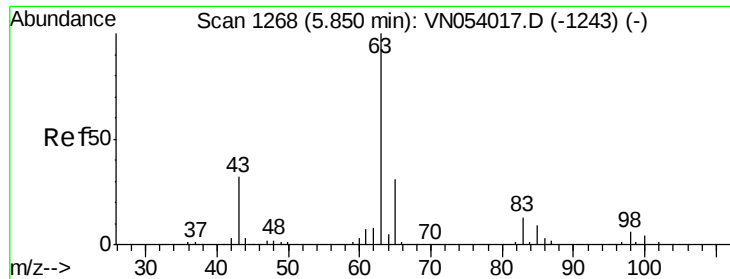
#20
Diisopropyl ether
Concen: 104.068 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 45 Resp: 2493236
Ion Ratio Lower Upper
45 100
43 59.5 47.8 71.8
87 25.1 21.3 31.9
59 11.2 8.9 13.3



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





#21

1,1-Dichloroethane

Concen: 98.365 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

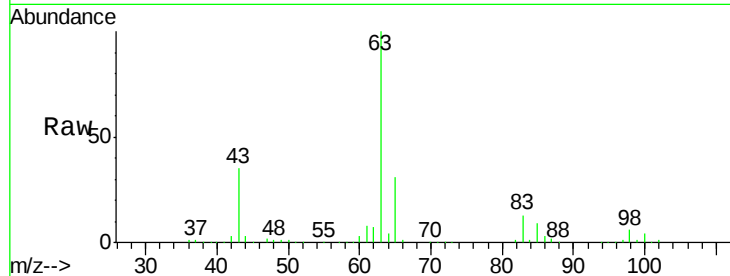
Tot Ion: 63 Resp: 1391770

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

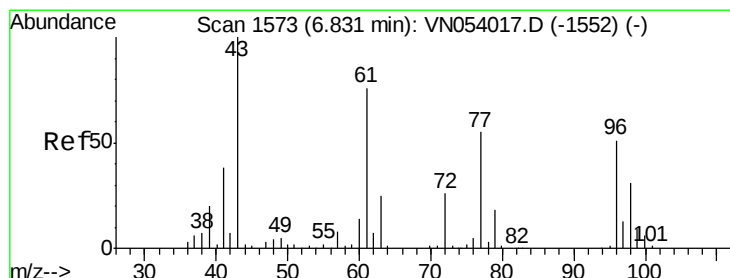
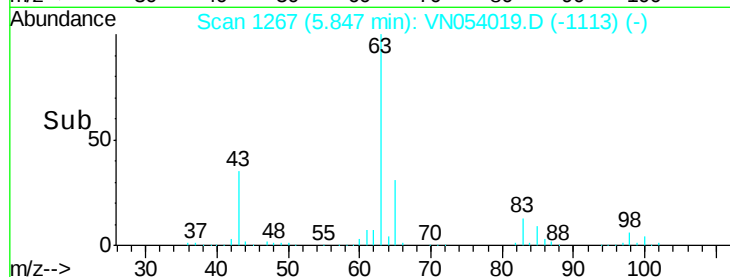
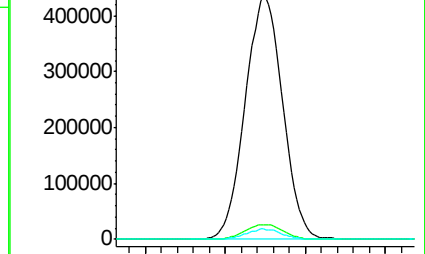
100 4.1 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN054017.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054017.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-1243) (-)



#22

cis-1,2-Dichloroethene

Concen: 99.979 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

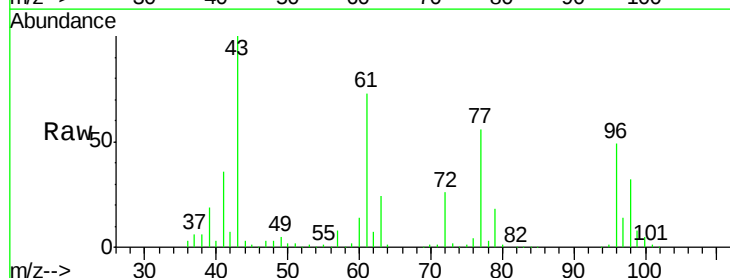
Tgt Ion: 96 Resp: 817701

Ion Ratio Lower Upper

96 100

61 150.1 116.7 175.1

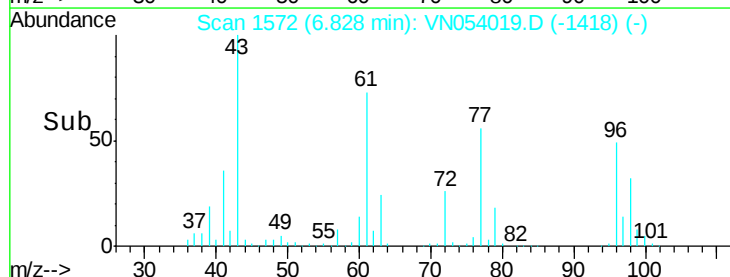
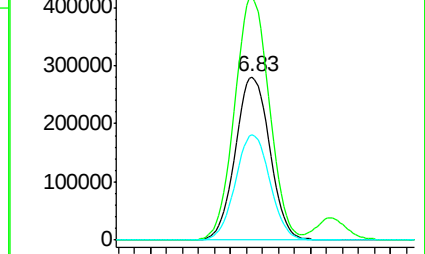
98 64.9 50.8 76.2

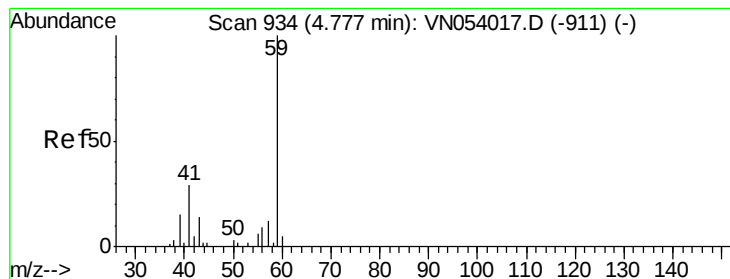


Abundance Ion 96.00 (95.70 to 96.70): VN054017.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054017.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054017.D (-1552) (-)



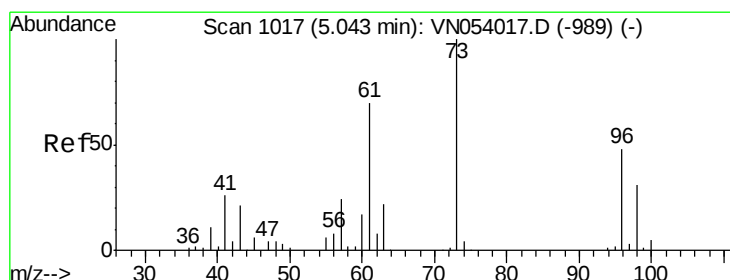
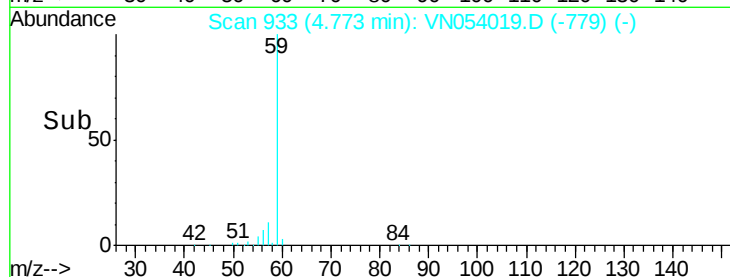
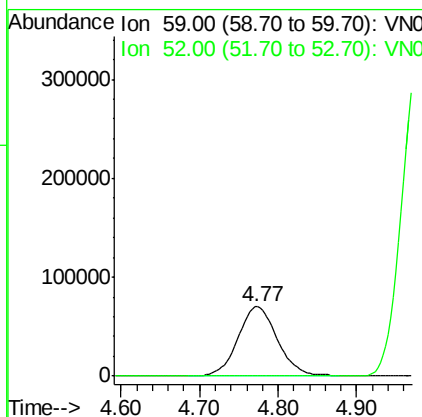
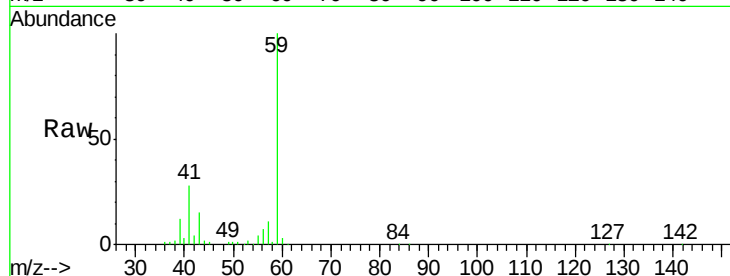


#23

tert-Butyl Alcohol
 Concen: 506.065 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

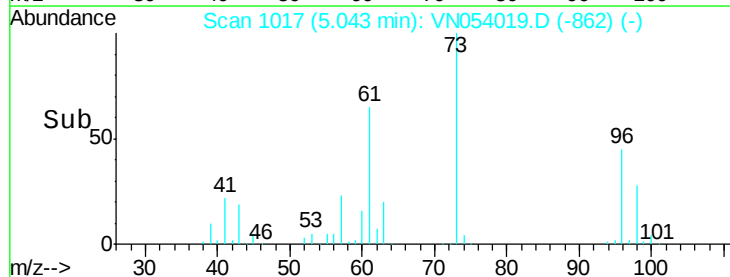
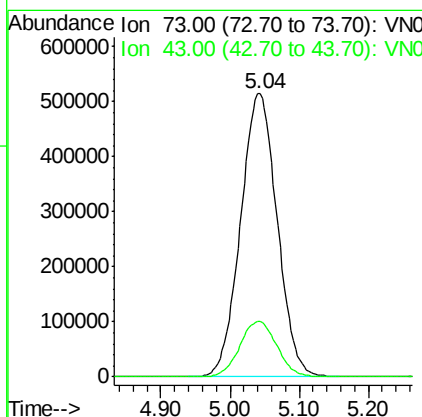
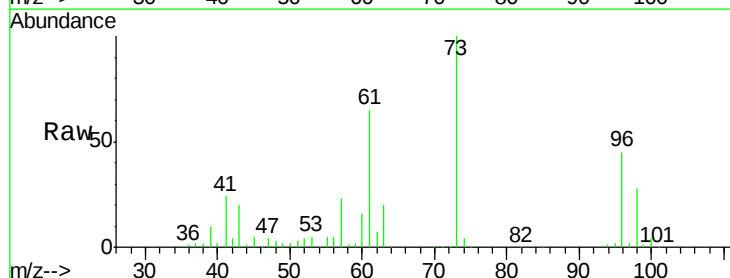
Tot Ion: 59 Resp: 248704
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

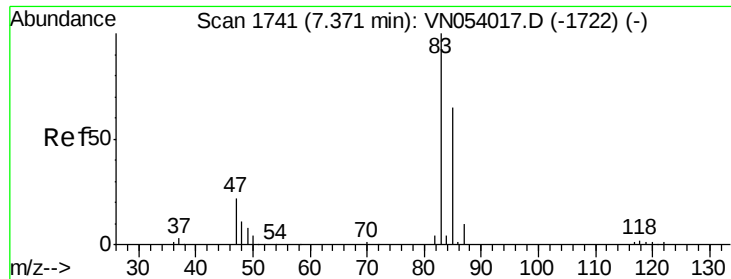


#24

Methyl tert-Butyl Ether
 Concen: 103.016 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 73 Resp: 1888565
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.8 23.8

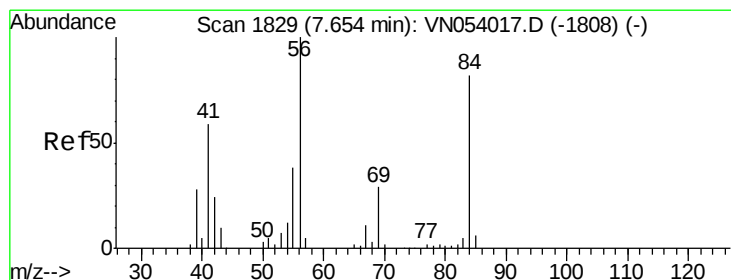
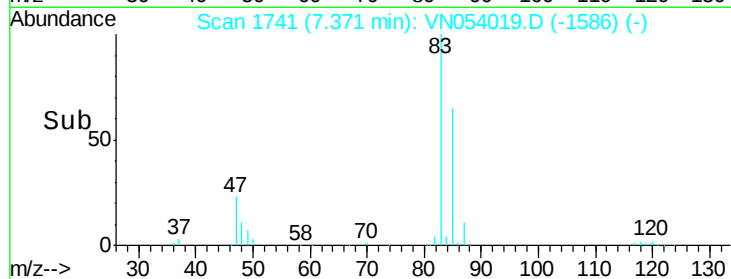
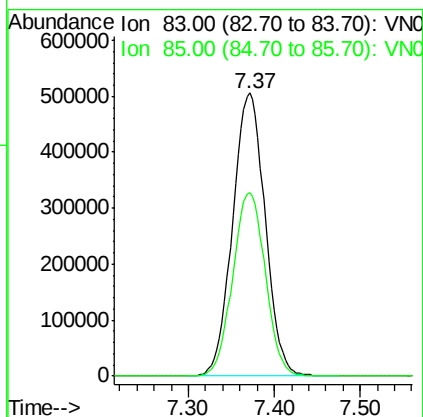
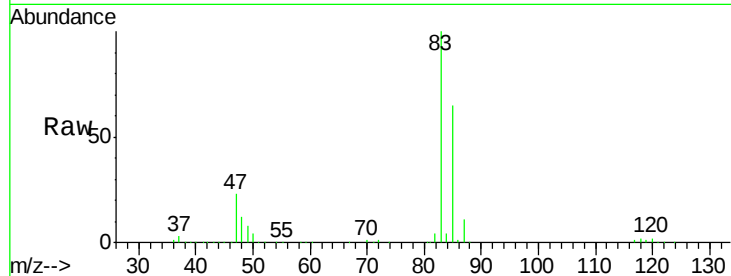




#25
Chloroform
Concen: 97.218 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

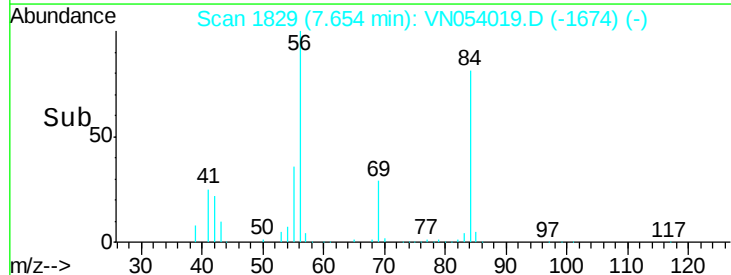
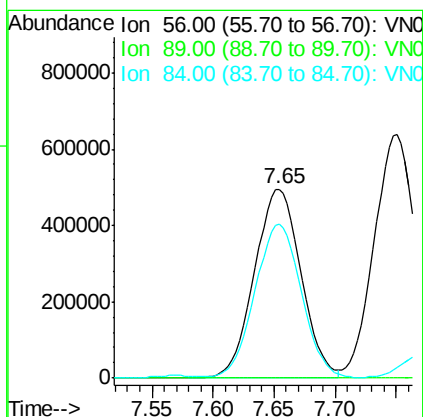
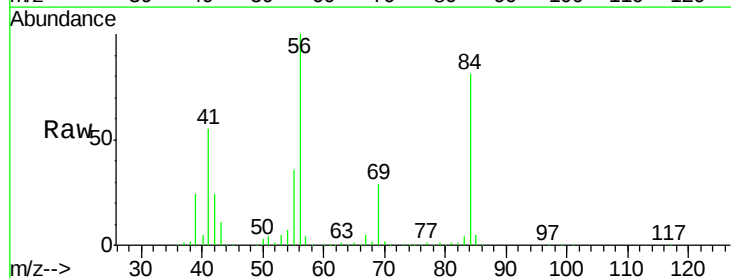
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

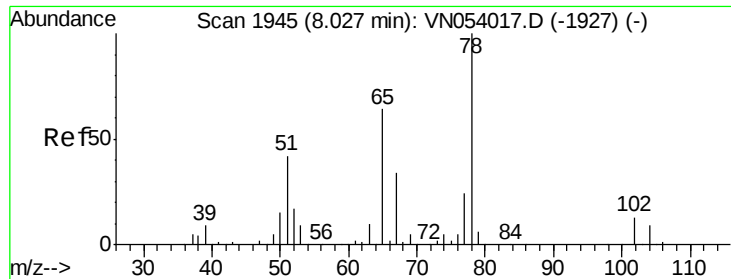
Tot Ion: 83 Resp: 1327210
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5



#26
Cyclohexane
Concen: 102.129 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 56 Resp: 1315101
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 81.5 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 102.129 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

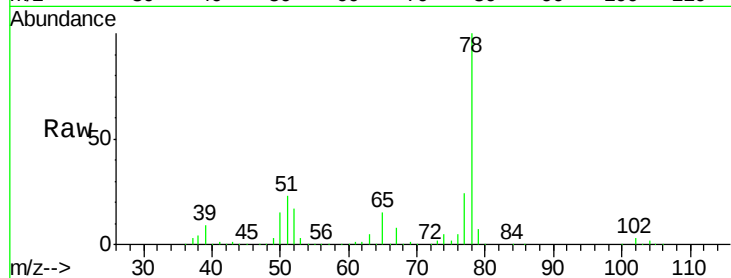
VSTDIC100

Tot Ion: 65 Resp: 257338

Ion Ratio Lower Upper

65 100

67 55.4 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN054019.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN054019.D (-1927) (-)

8.02

120000

100000

80000

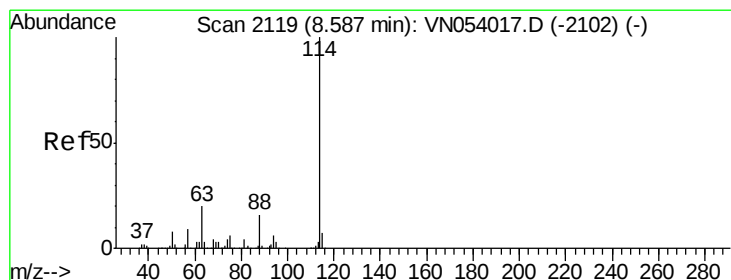
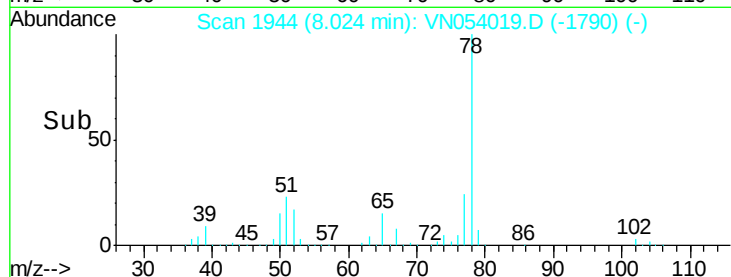
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

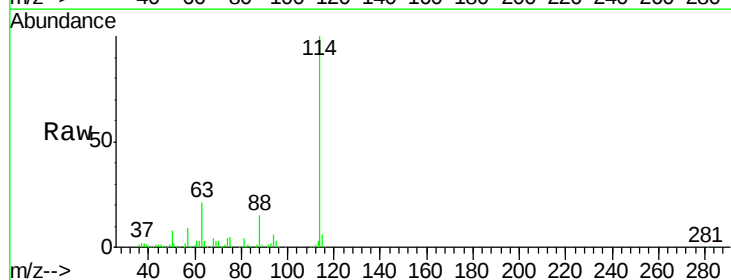
Tgt Ion: 114 Resp: 681552

Ion Ratio Lower Upper

114 100

63 20.6 16.9 25.3

88 15.6 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN054019.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN054019.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN054019.D (-2102) (-)

8.58

400000

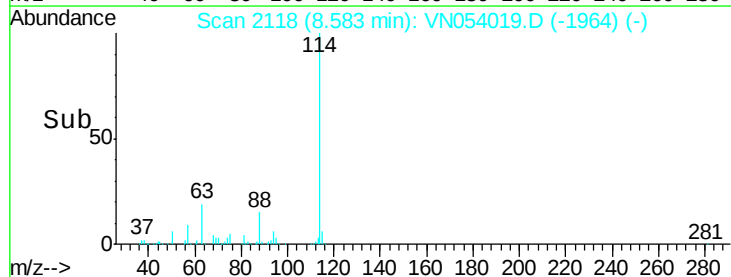
300000

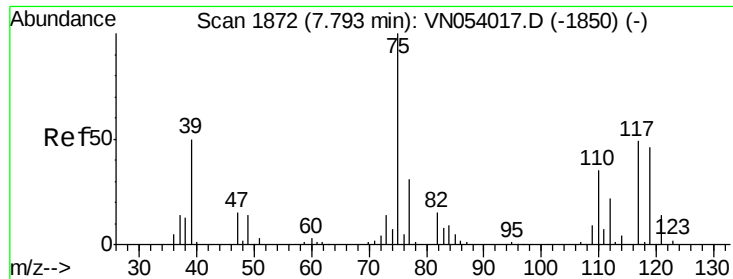
200000

100000

0

Time-->

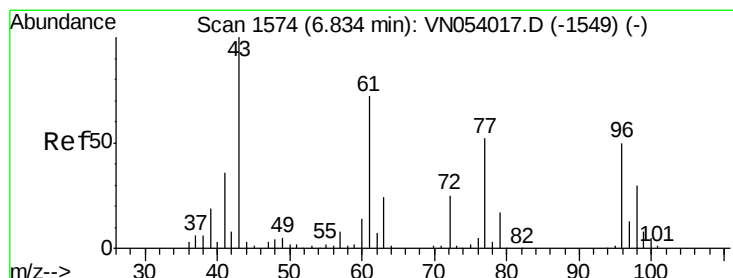
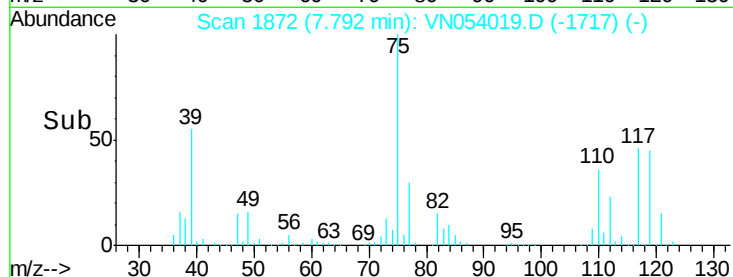
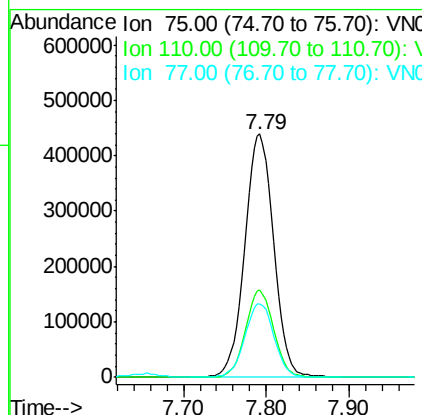
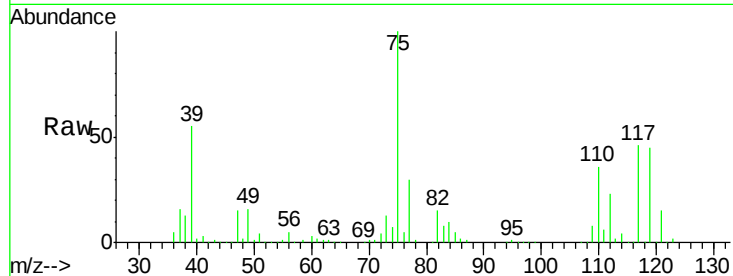




#29
 1,1-Dichloropropene
 Concen: 99.845 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

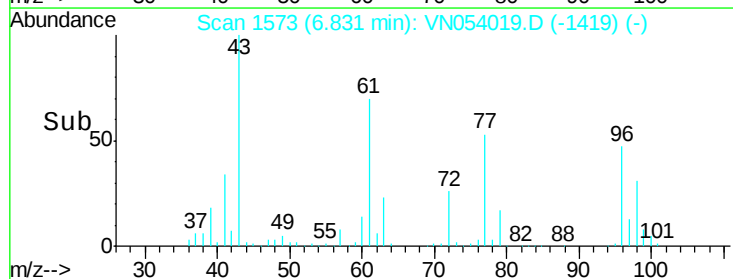
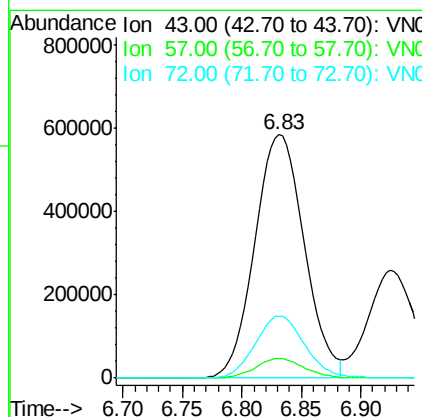
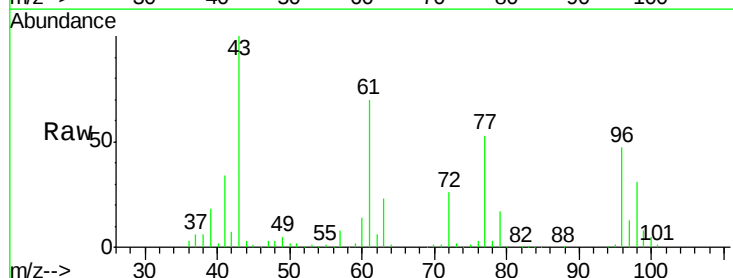
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

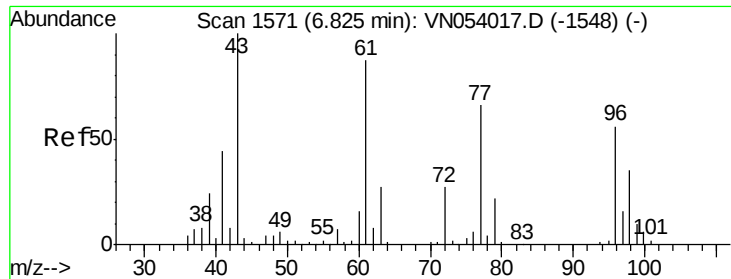
Tot Ion: 75 Resp: 1065908
 Ion Ratio Lower Upper
 75 100
 110 34.9 0.0 70.2
 77 30.7 0.0 62.6



#30
 2-Butanone
 Concen: 499.135 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 1682448
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.2 9.4
 72 25.5 21.0 31.6

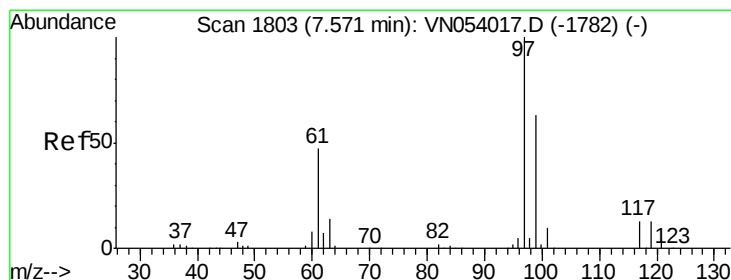
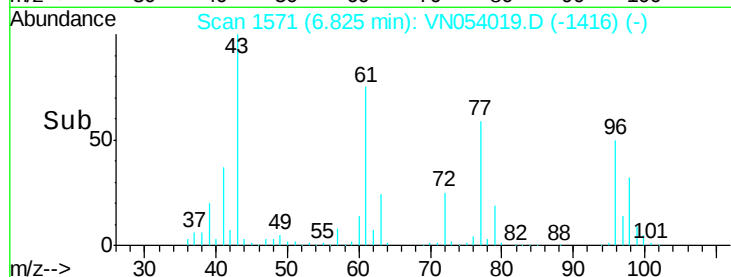
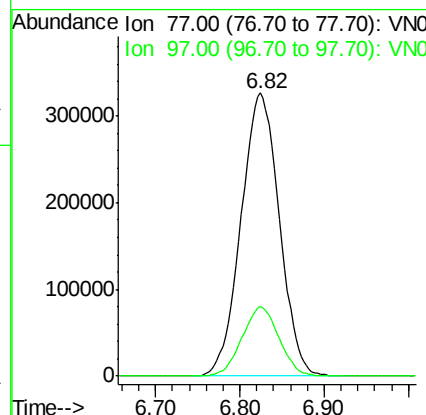
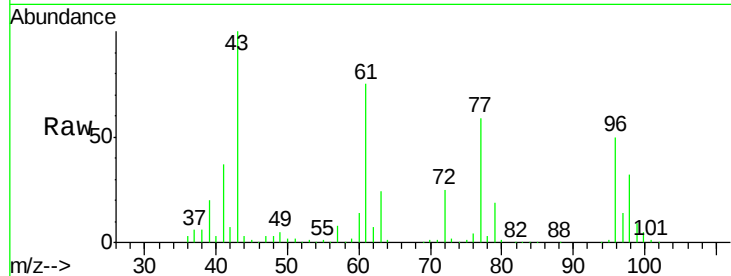




#31
 2,2-Dichloropropane
 Concen: 97.921 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

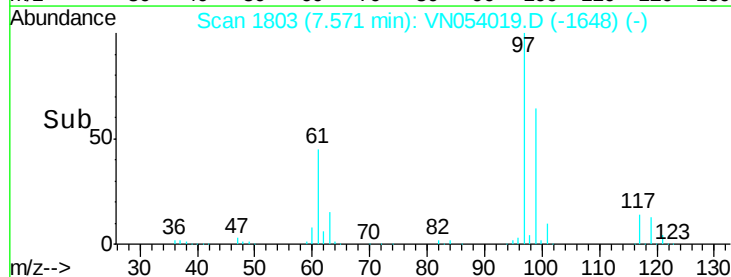
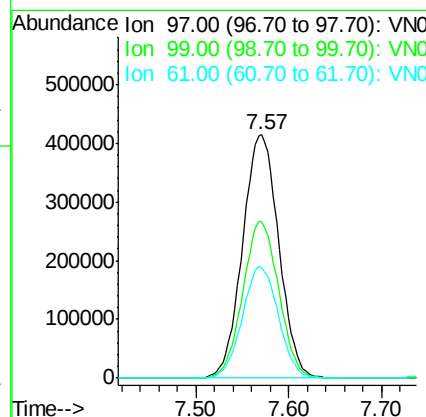
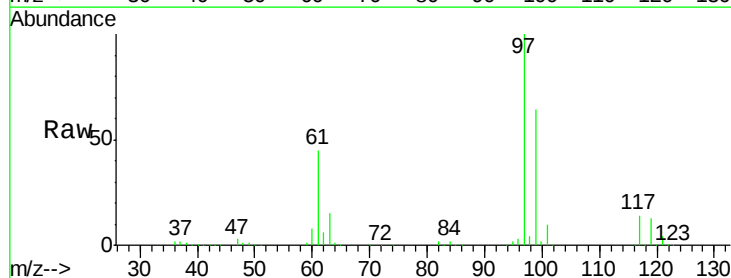
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

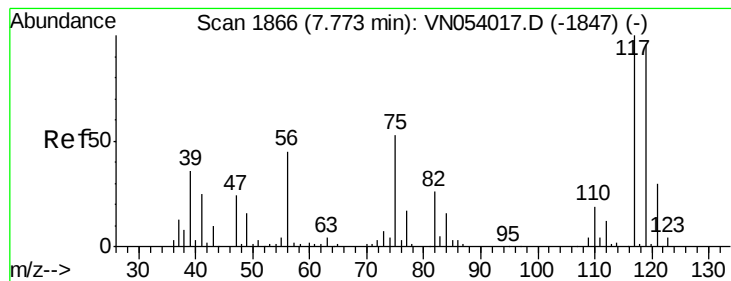
Tot Ion: 77 Resp: 1030788
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 97.822 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 97 Resp: 1123273
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 45.7 38.1 57.1





#33

Carbon Tetrachloride

Concen: 97.402 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

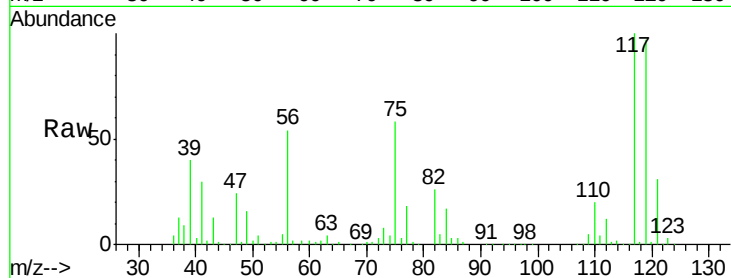
Tot Ion:117 Resp: 990287

Ion Ratio Lower Upper

117 100

119 96.5 77.3 115.9

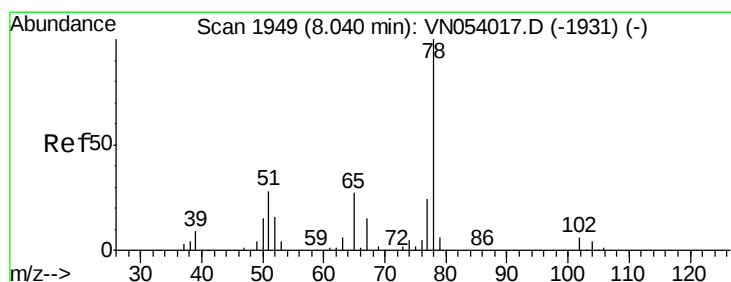
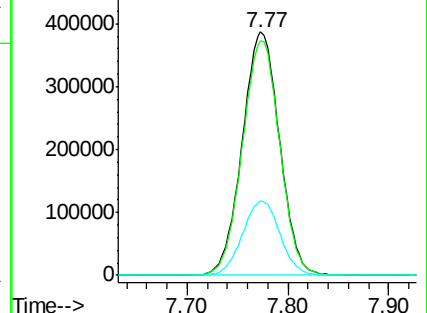
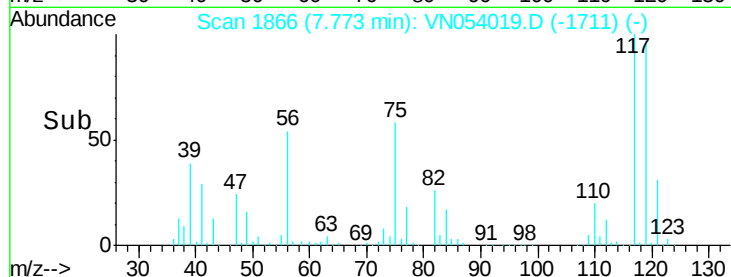
121 30.6 24.9 37.3



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: 99.203 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

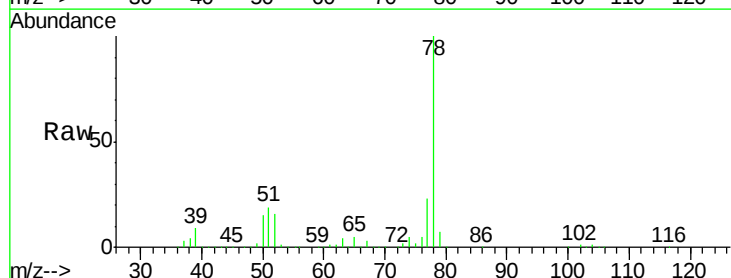
Tgt Ion: 78 Resp: 3147461

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

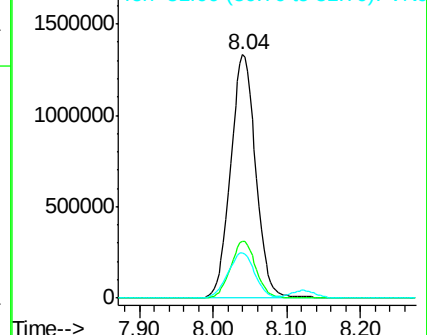
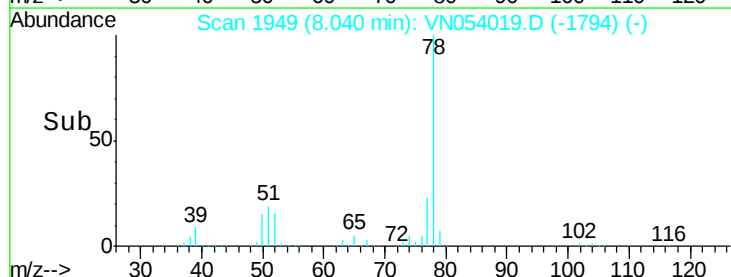
51 18.7 20.5 30.7#

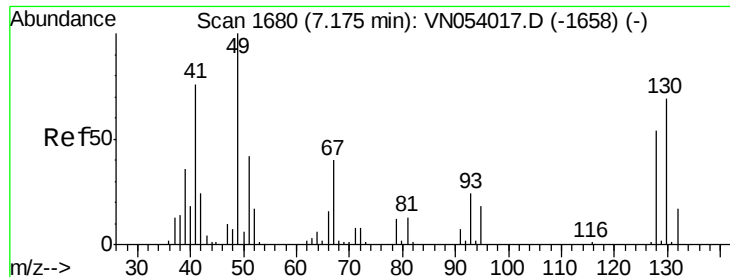


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

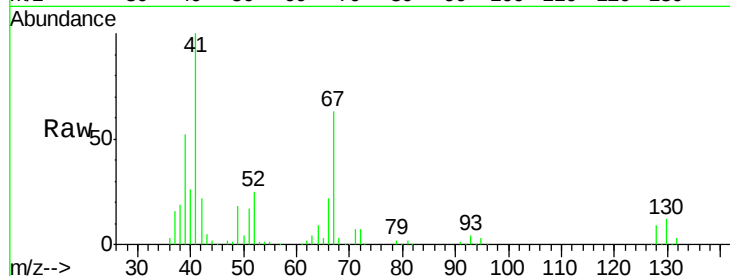




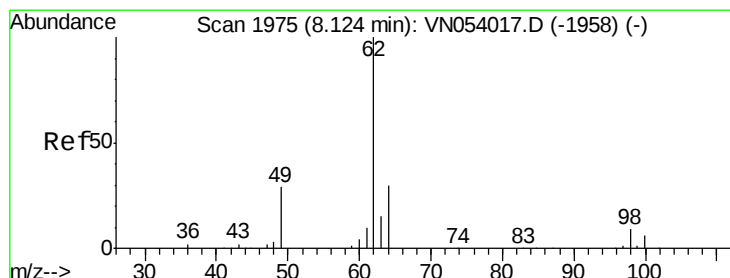
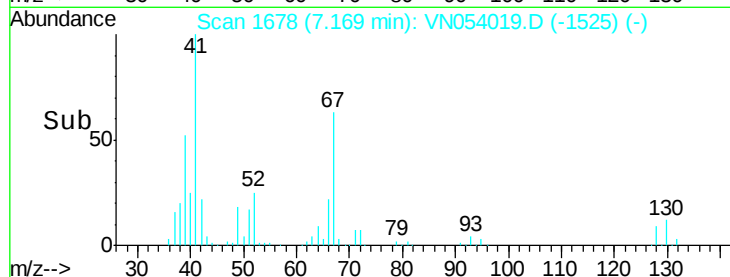
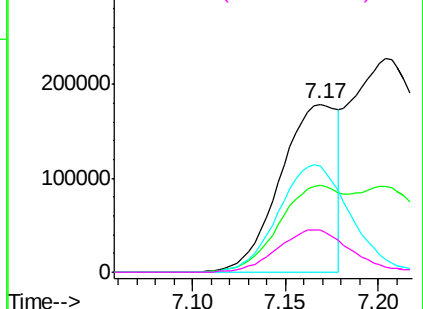
#35
Methacrylonitrile
Concen: 100.707 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 379558
Ion Ratio Lower Upper
41 100
39 51.5 26.6 79.7
67 63.3 32.3 96.9
52 24.9 13.0 38.9

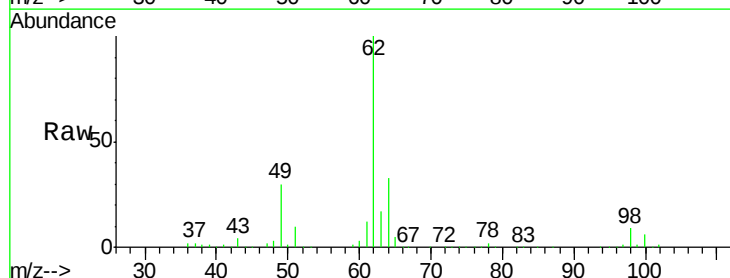


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

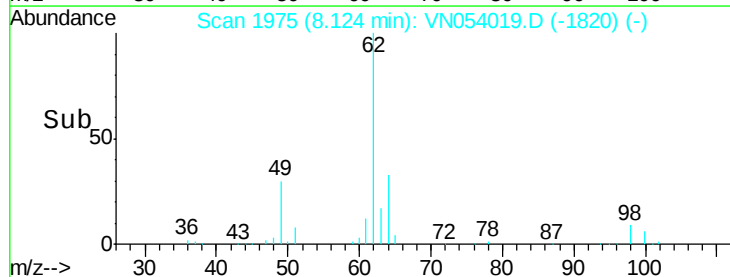
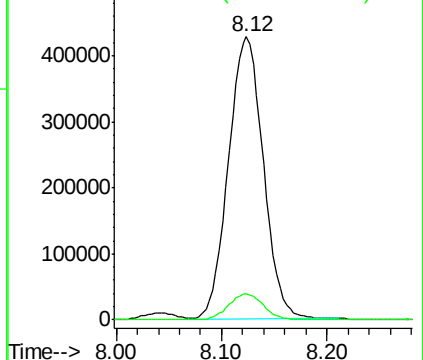


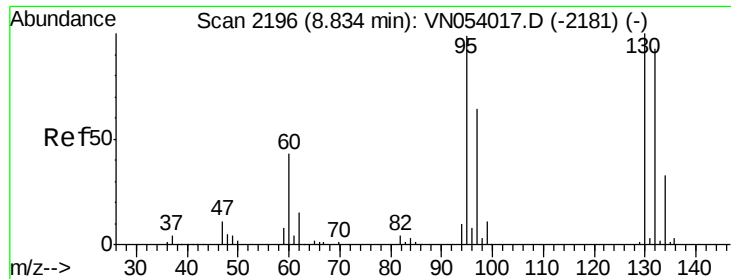
#36
1,2-Dichloroethane
Concen: 96.252 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 62 Resp: 980622
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2



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

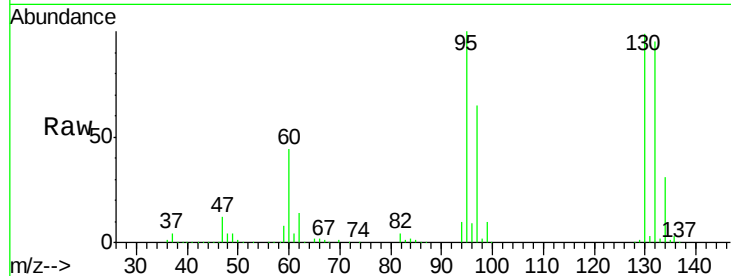




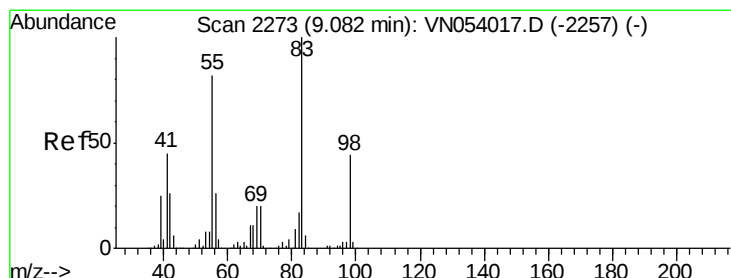
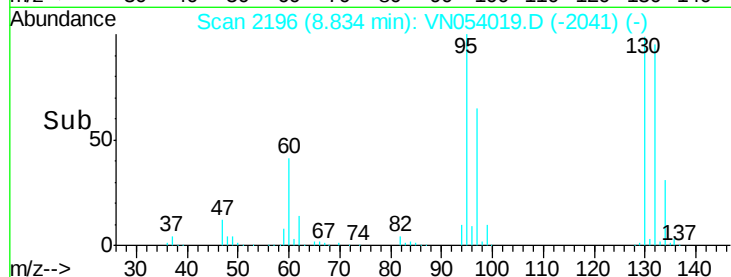
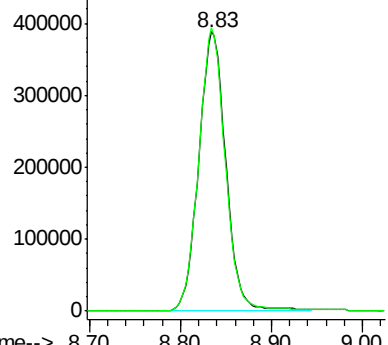
#37
 Trichloroethene
 Concen: 97.259 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 805512
 Ion Ratio Lower Upper
 130 100
 95 101.3 81.0 121.4

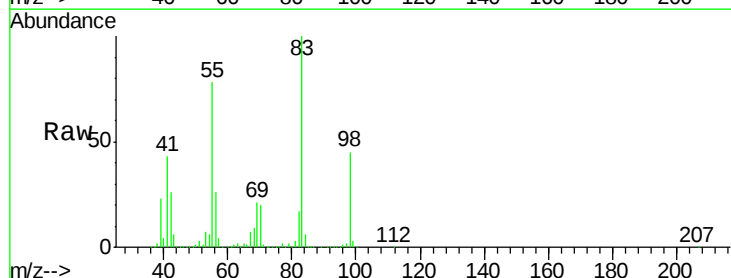


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

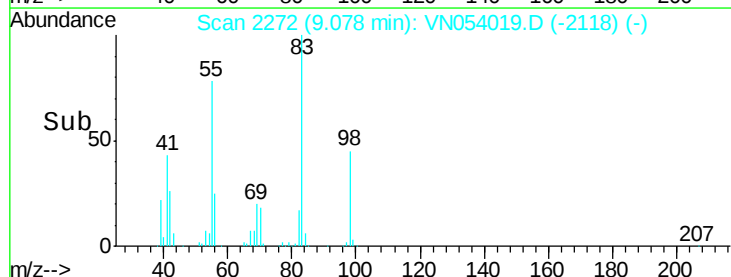
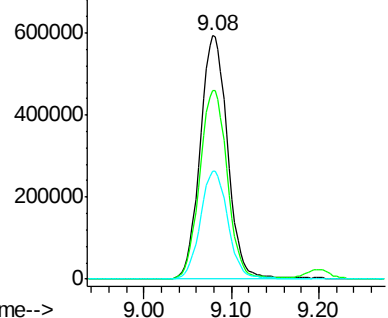


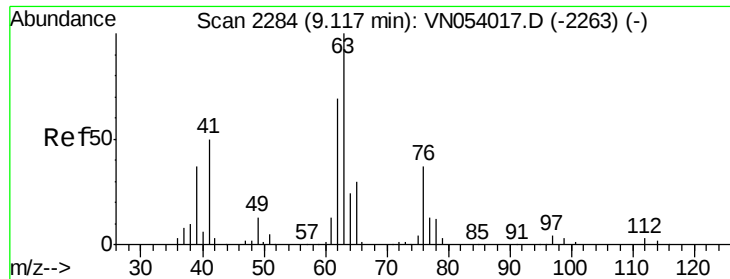
#38
 Methylcyclohexane
 Concen: 102.811 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 83 Resp: 1295440
 Ion Ratio Lower Upper
 83 100
 55 77.7 39.8 119.4
 98 44.6 22.9 68.5



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

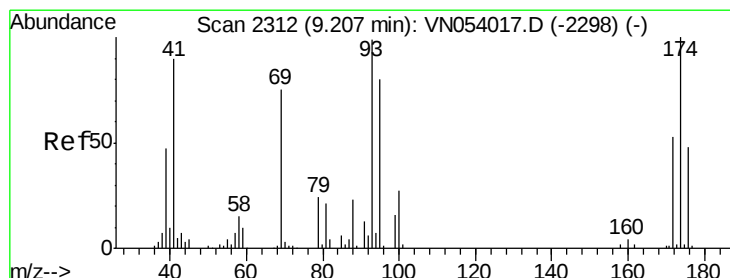
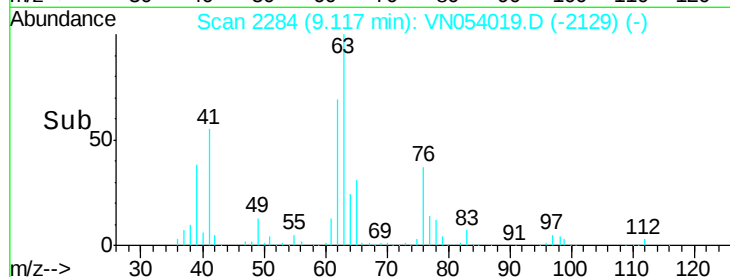
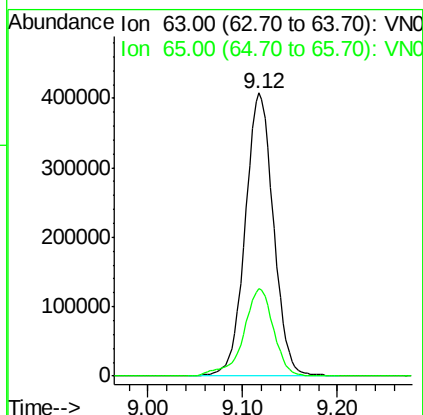
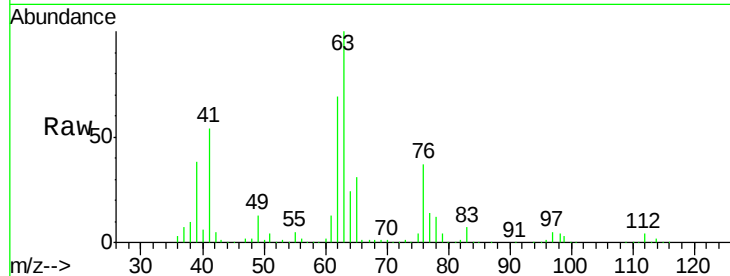




#39
 1,2-Dichloropropane
 Concen: 97.390 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

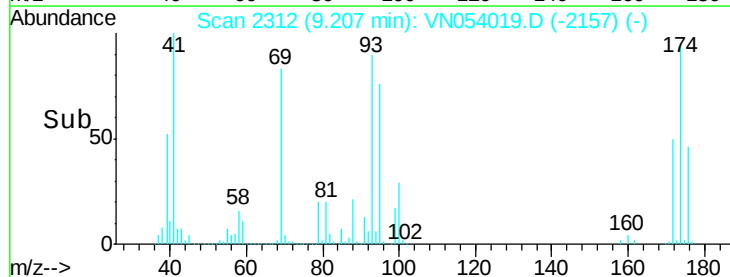
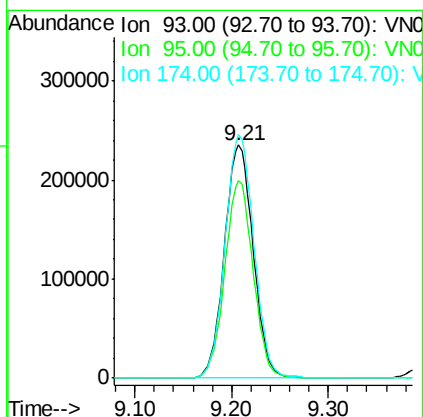
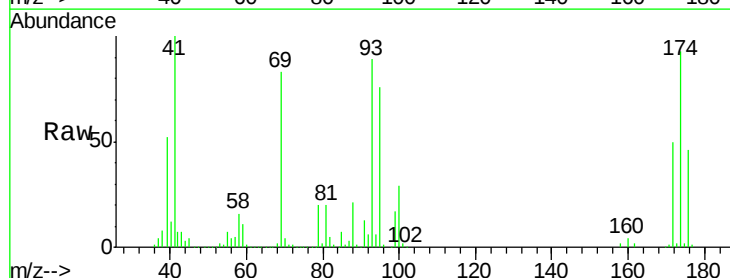
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

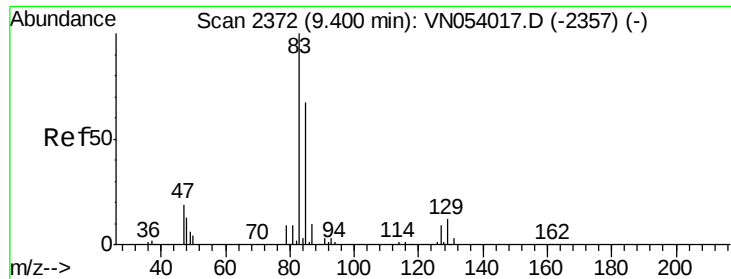
Tot Ion: 63 Resp: 846492
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4



#40
 Dibromomethane
 Concen: 97.788 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 93 Resp: 487259
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 168.4
 174 104.5 0.0 210.0

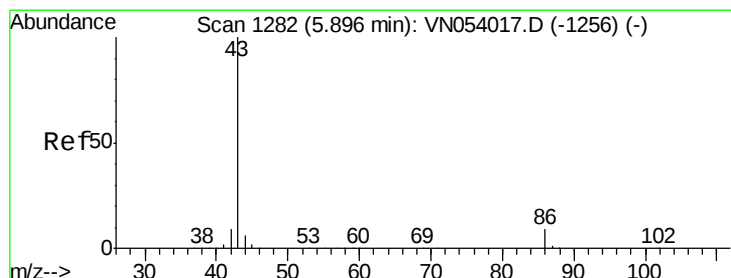
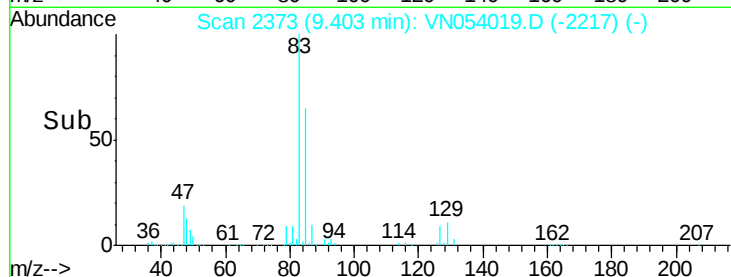
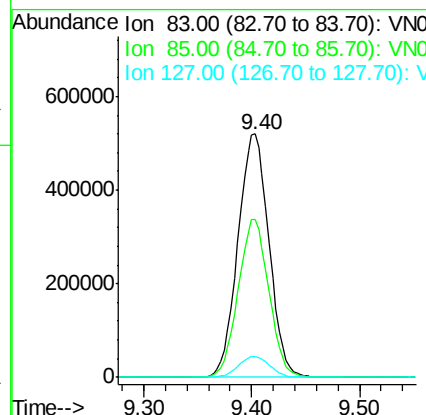
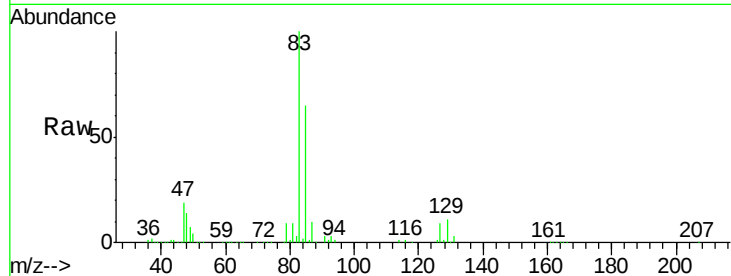




#41
 Bromodichloromethane
 Concen: 98.030 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

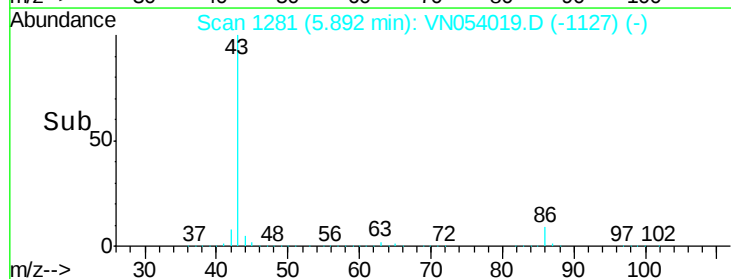
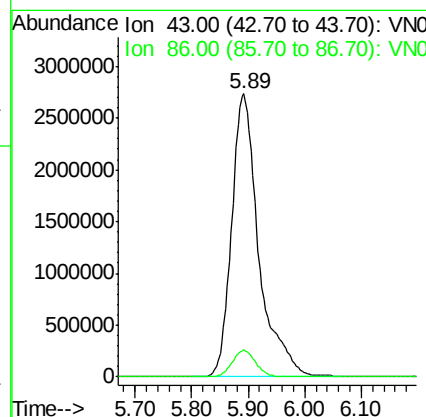
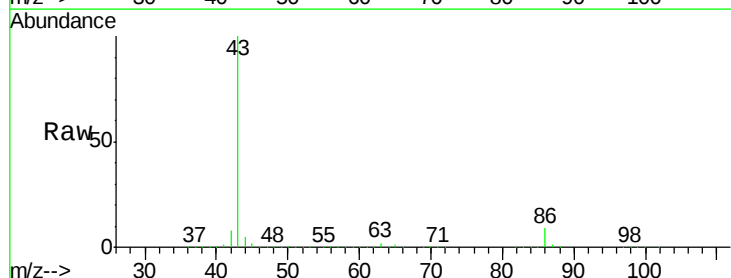
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

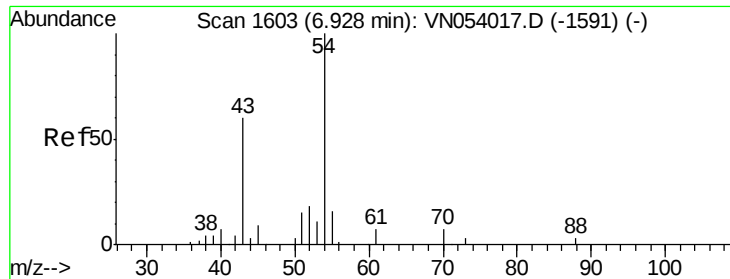
Tot Ion: 83 Resp: 1036405
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.4 78.6
 127 8.5 6.6 9.8



#42
 Vinyl Acetate
 Concen: 524.716 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 9137373
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.5 9.7

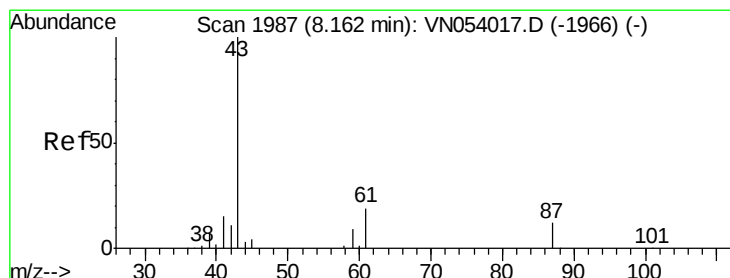
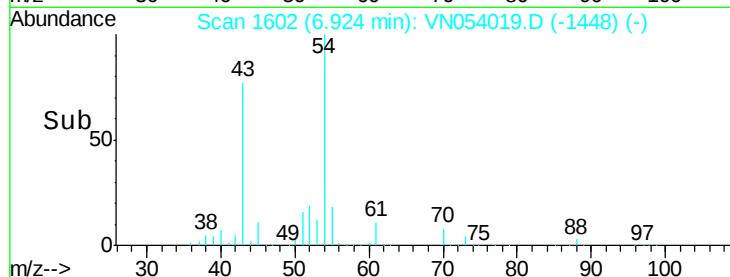
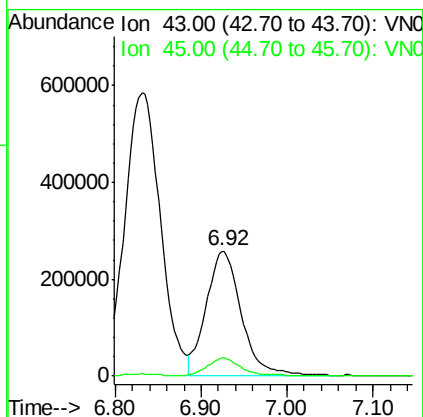
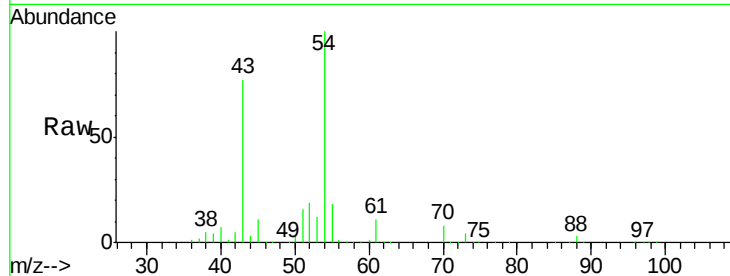




#43
Ethyl Acetate
Concen: 103.054 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

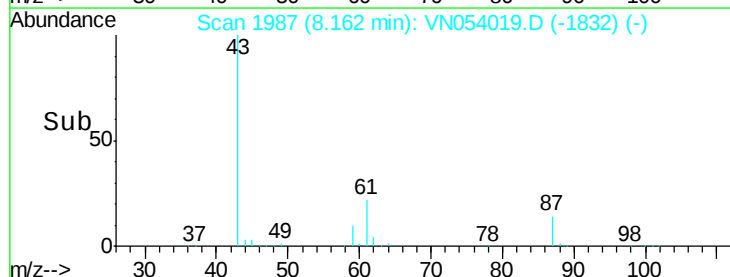
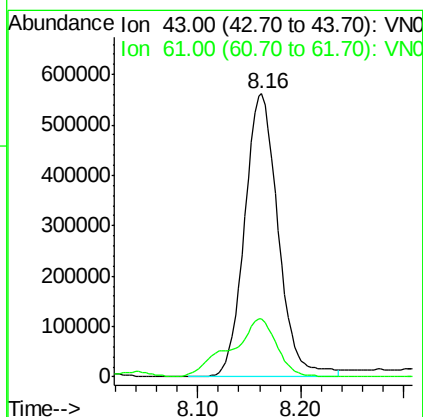
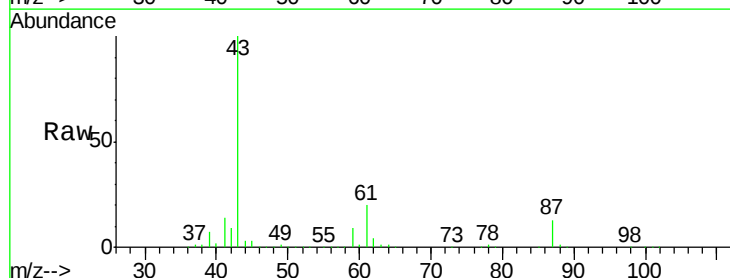
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

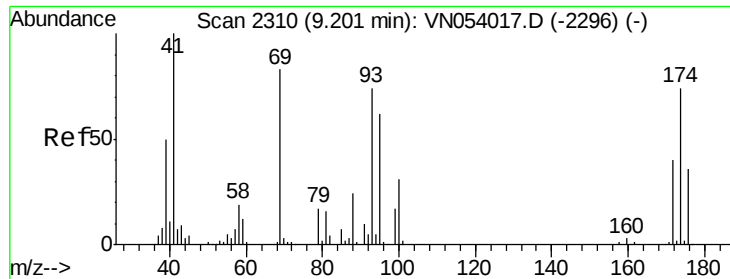
Tot Ion: 43 Resp: 727586
Ion Ratio Lower Upper
43 100
45 14.4 1.0 1.6#



#44
Isopropyl Acetate
Concen: 102.391 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 1268489
Ion Ratio Lower Upper
43 100
61 18.9 16.0 24.0





#45

1,4-Dioxane

Concen: 1948.354 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

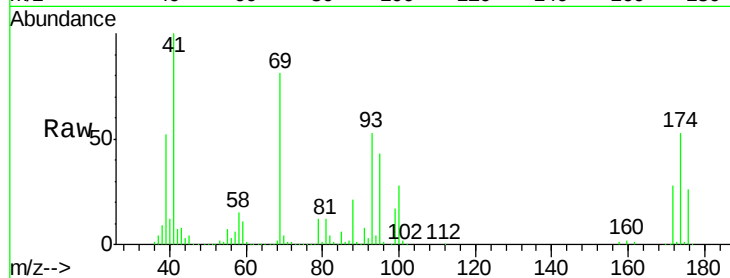
Tot Ion: 88 Resp: 150380

Ion Ratio Lower Upper

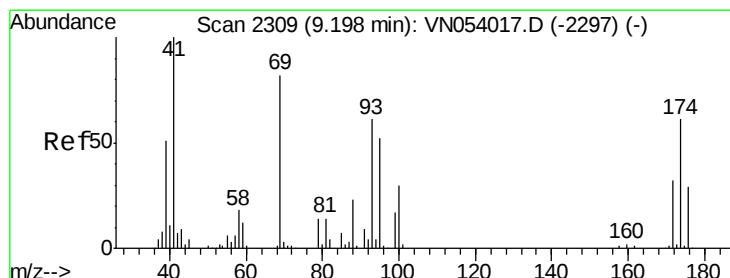
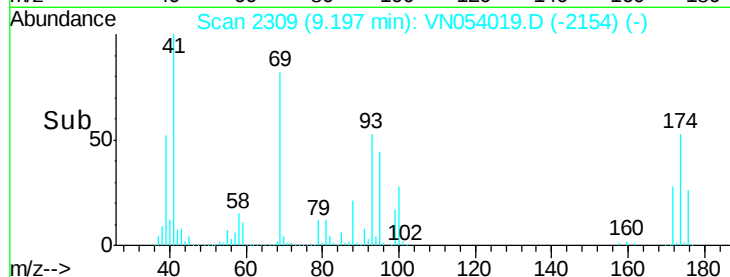
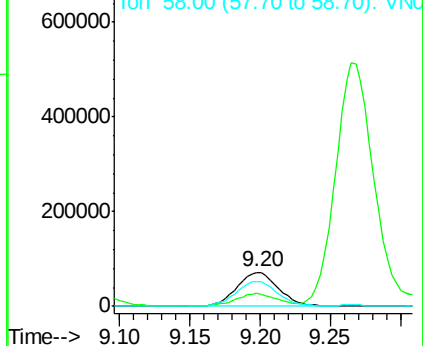
88 100

43 34.0 29.5 44.3

58 73.5 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 106.511 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

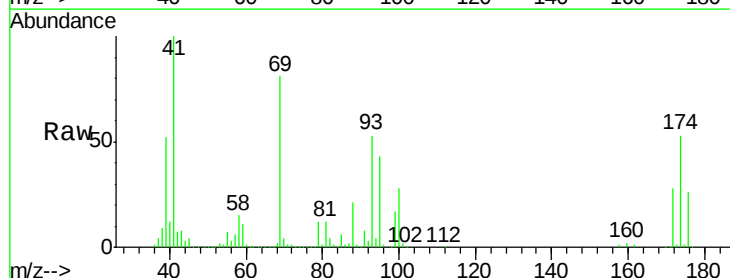
Tgt Ion: 41 Resp: 633817

Ion Ratio Lower Upper

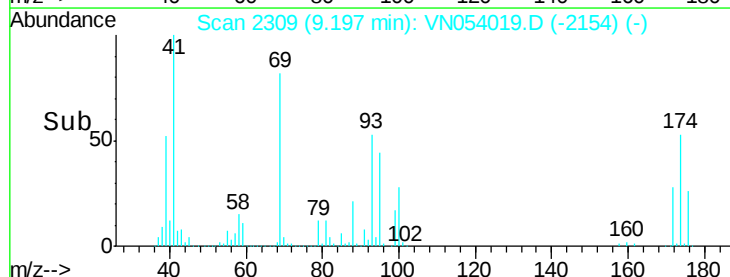
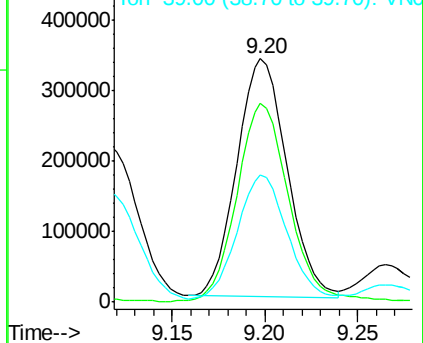
41 100

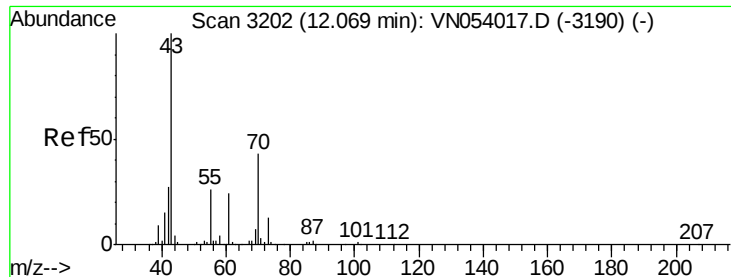
69 82.9 42.5 127.6

39 52.1 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

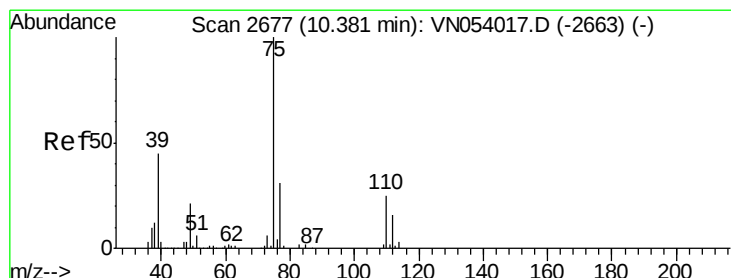
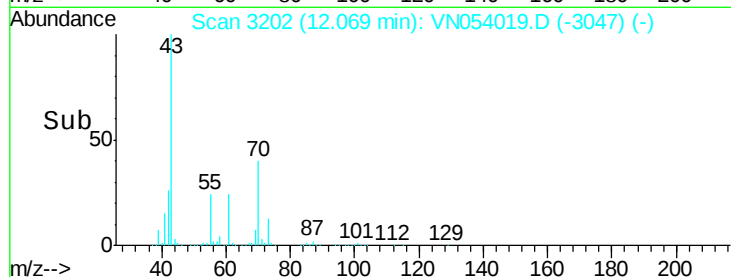
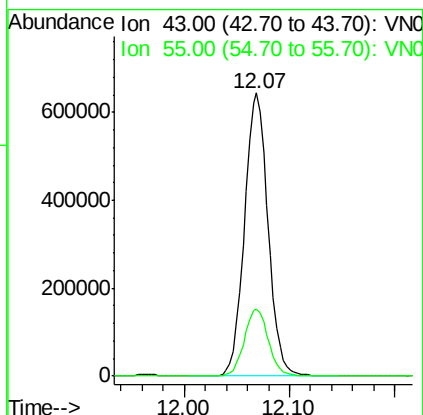
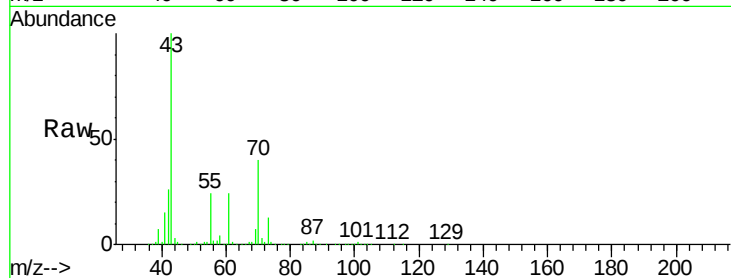




#47
n-amvl Acetate
Concen: 109.239 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

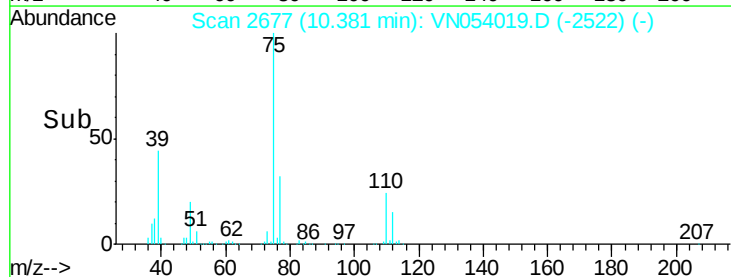
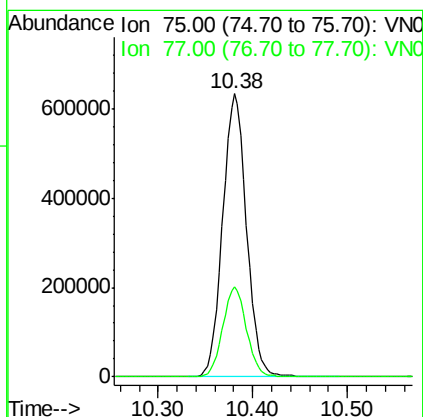
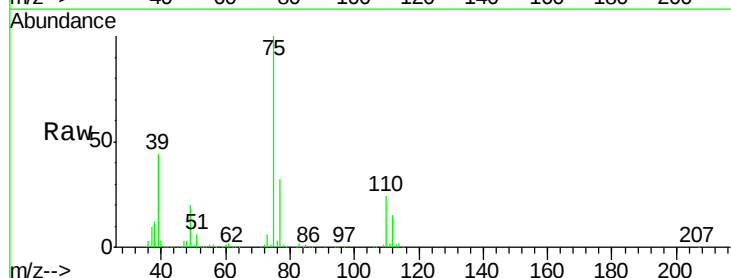
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

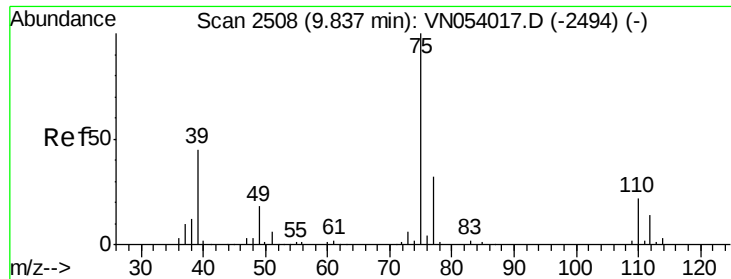
Tot Ion: 43 Resp: 994148
Ion Ratio Lower Upper
43 100
55 24.3 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 104.662 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 75 Resp: 1109465
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4





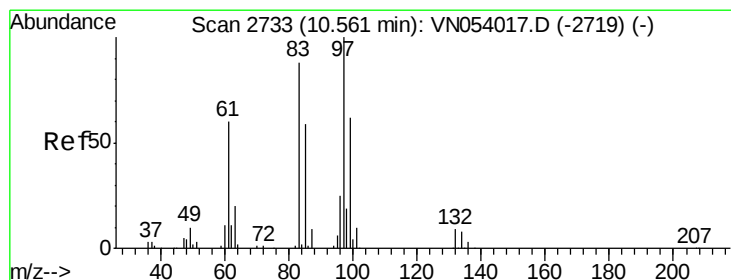
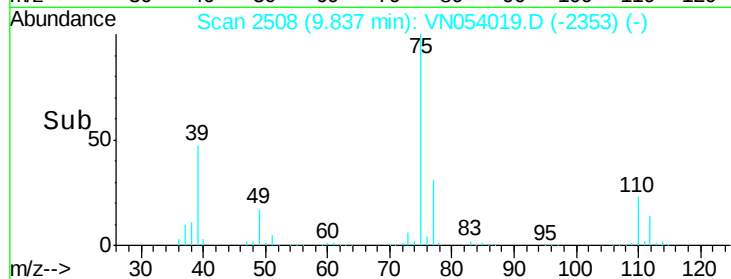
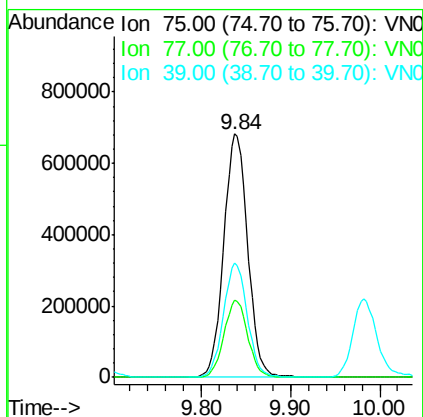
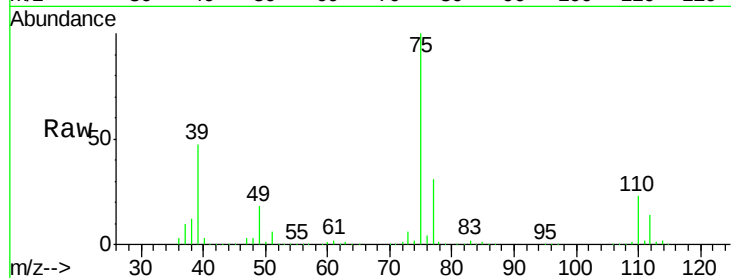
#49

cis-1,3-Dichloropropene
 Concen: 101.843 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 1267707

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	47.0	37.3	55.9

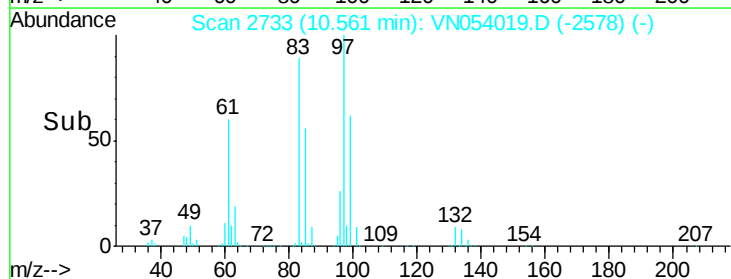
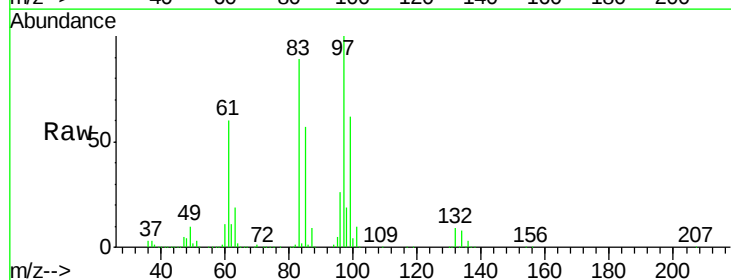
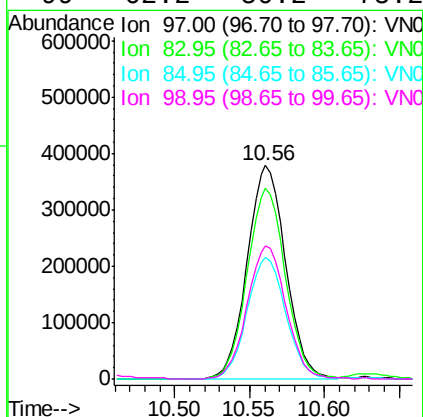


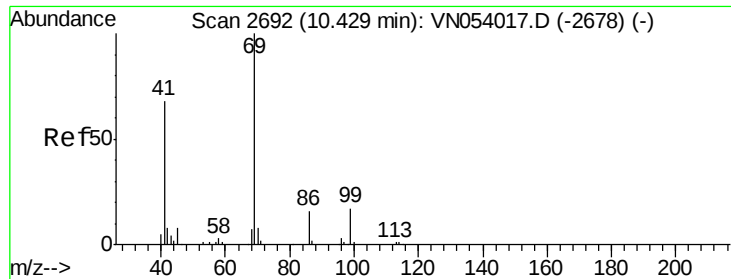
#50

1,1,2-Trichloroethane
 Concen: 96.817 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 97 Resp: 676703

Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	57.1	45.0	67.6
99	62.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 108.566 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

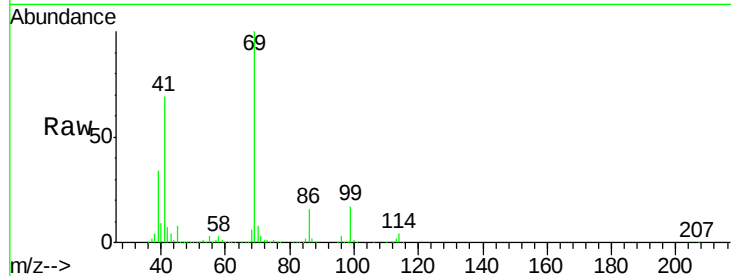
Tot Ion: 69 Resp: 913496

Ion	Ratio	Lower	Upper
69	100		
41	68.6	34.4	103.3
39	33.4	16.4	49.2

69 100

41 68.6 34.4 103.3

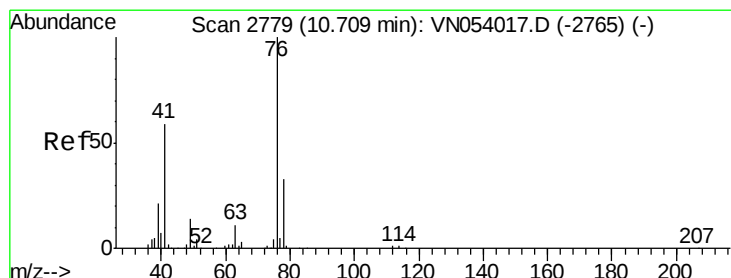
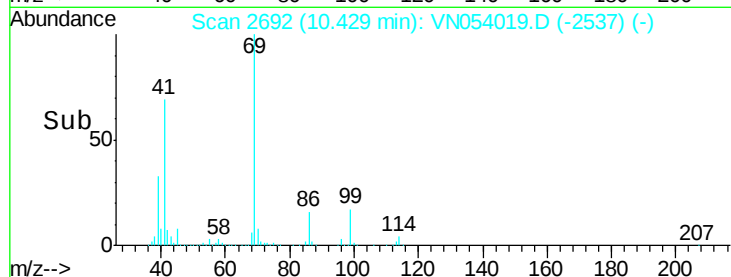
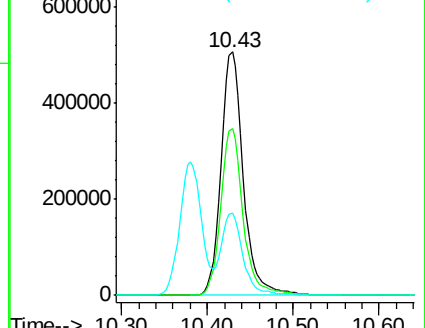
39 33.4 16.4 49.2



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: 100.199 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054019.D

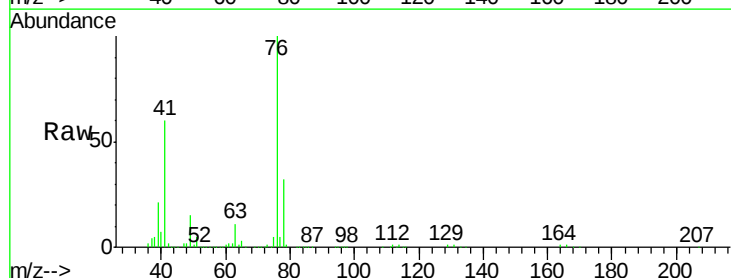
Acq: 1 Mar 2019 10:24

Tgt Ion: 76 Resp: 1201982

Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8

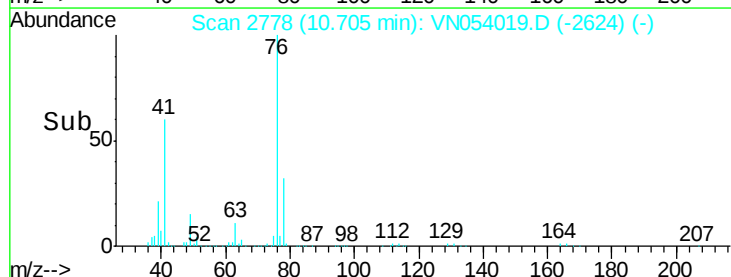
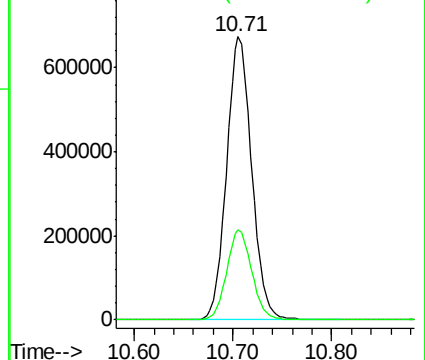
76 100

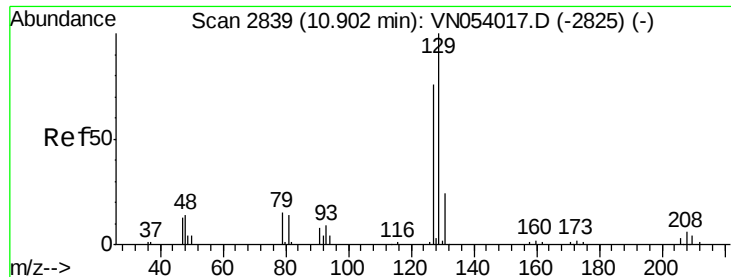
78 31.8 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 100.465 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

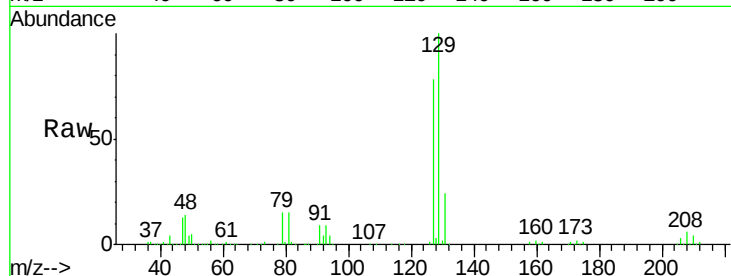
VSTDIC100

Tot Ion:129 Resp: 771597

Ion Ratio Lower Upper

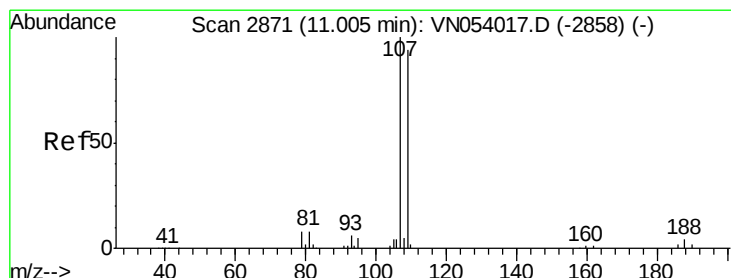
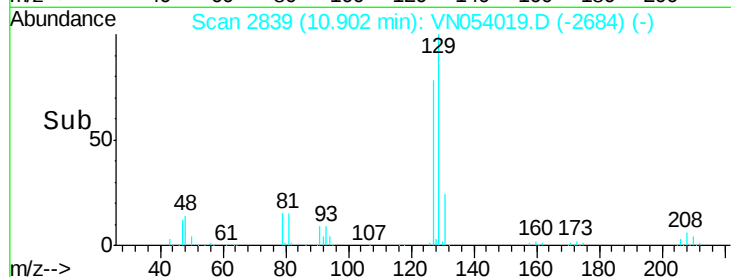
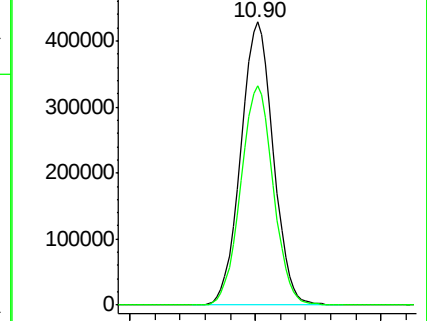
129 100

127 77.5 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 100.631 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054019.D

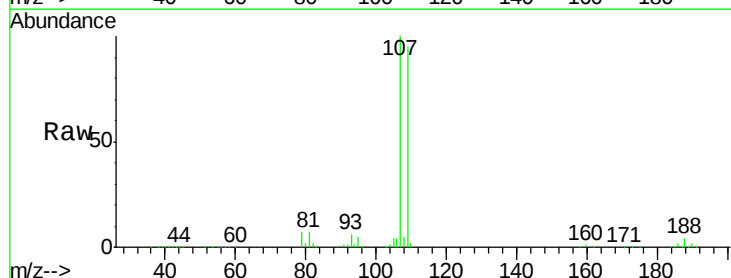
Acq: 1 Mar 2019 10:24

Tgt Ion:107 Resp: 670005

Ion Ratio Lower Upper

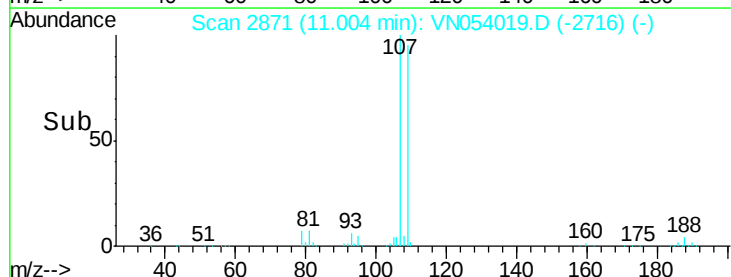
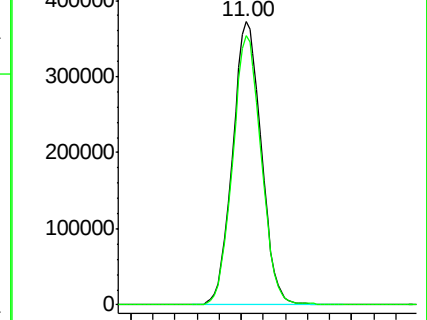
107 100

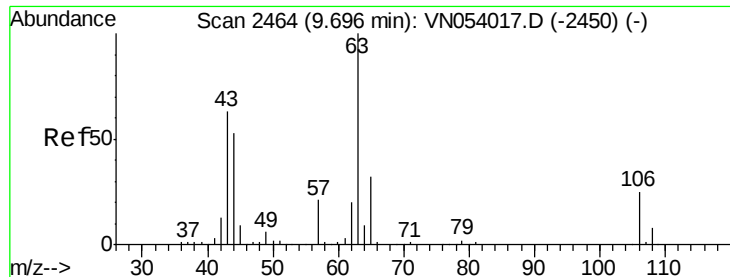
109 94.8 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 539.599 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

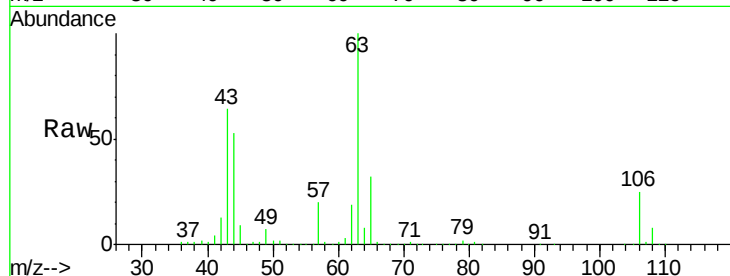
Tot Ion: 63 Resp: 2106962

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2

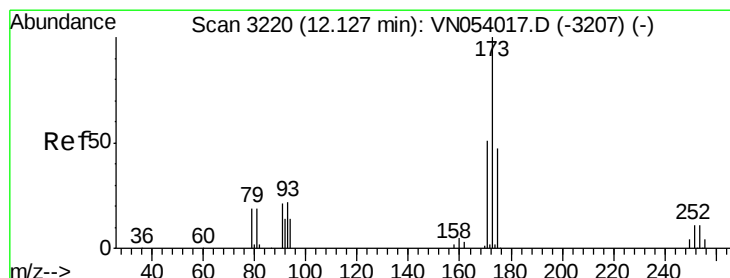
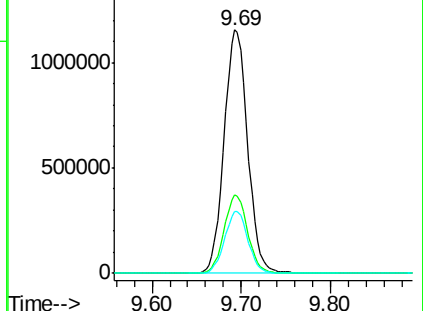
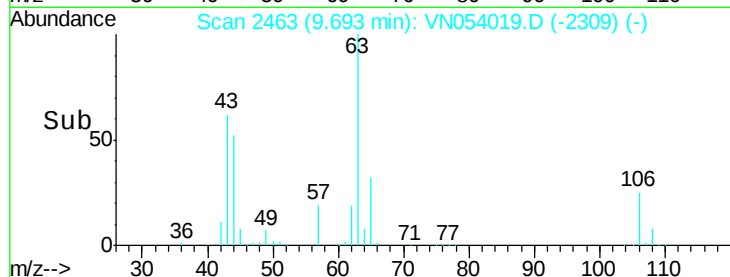
106 25.2 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN054019.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN054019.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN054019.D (-2309) (-)



#56

Bromoform

Concen: 103.015 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

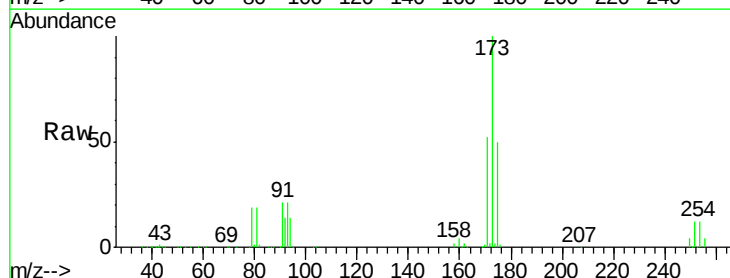
Tgt Ion: 173 Resp: 525335

Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

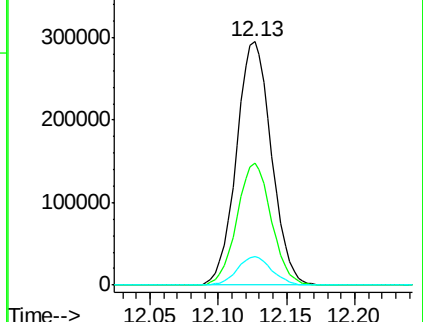
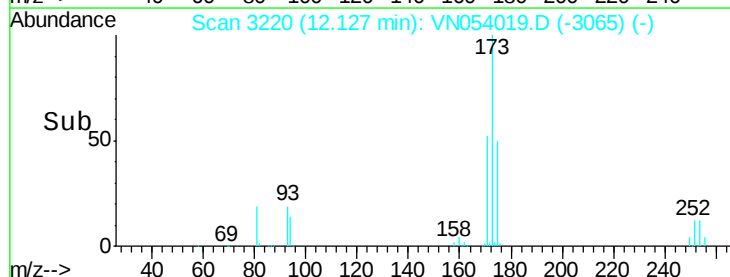
254 11.5 8.4 12.6

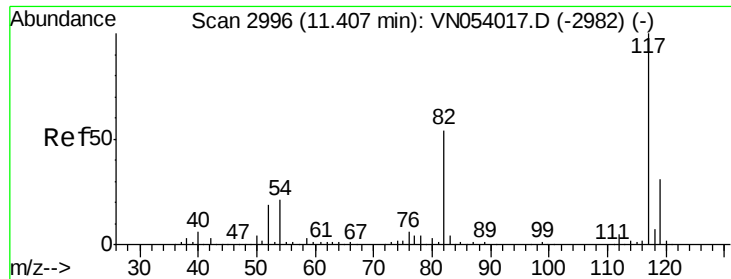


Abundance Ion 173.00 (172.70 to 173.70): VN054019.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN054019.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN054019.D (-3065) (-)

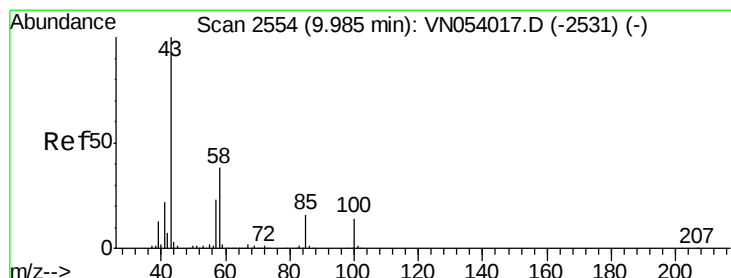
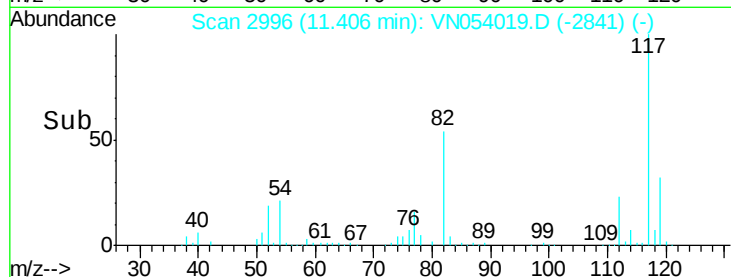
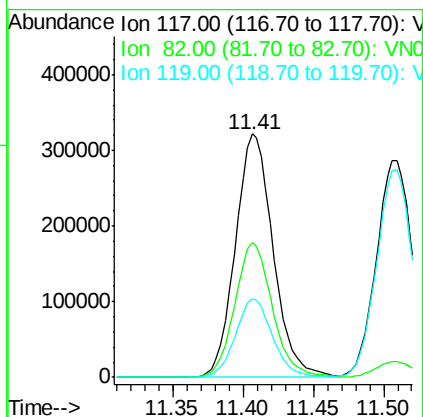
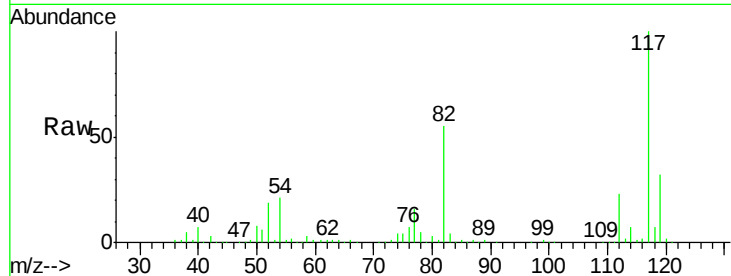




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

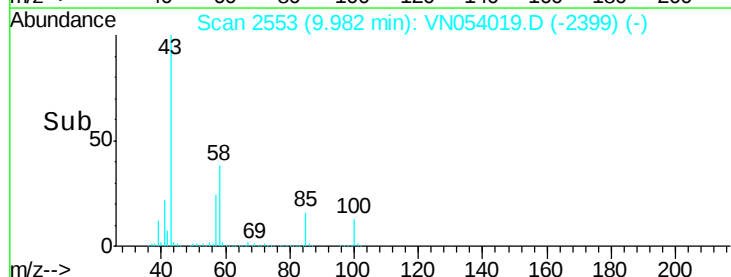
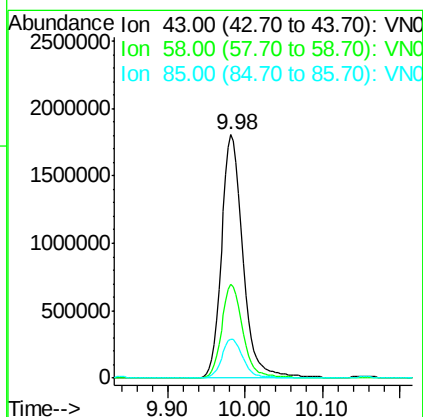
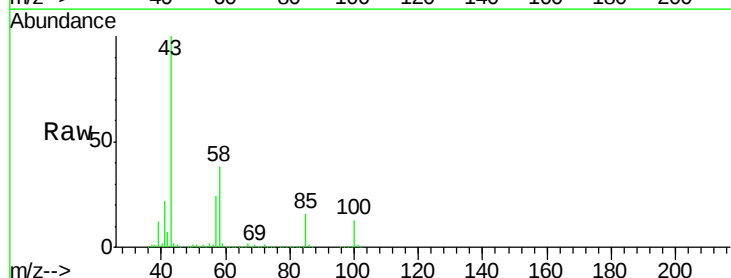
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

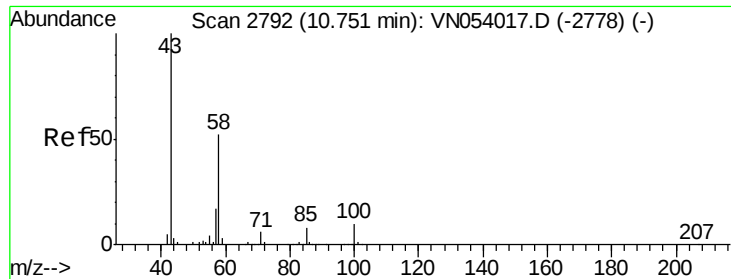
Tot Ion:117 Resp: 603704
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 31.7 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 513.920 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 3496001
Ion Ratio Lower Upper
43 100
58 38.2 31.6 47.4
85 16.2 13.3 19.9

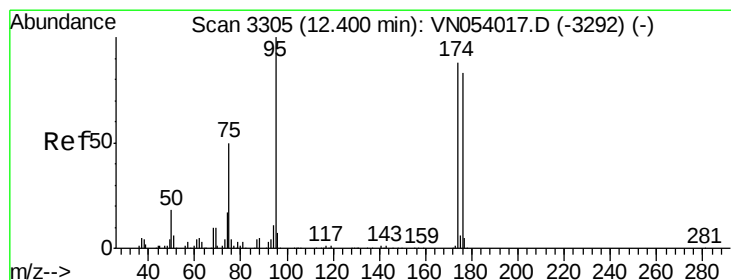
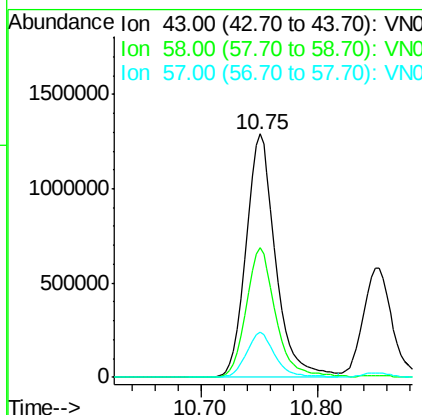
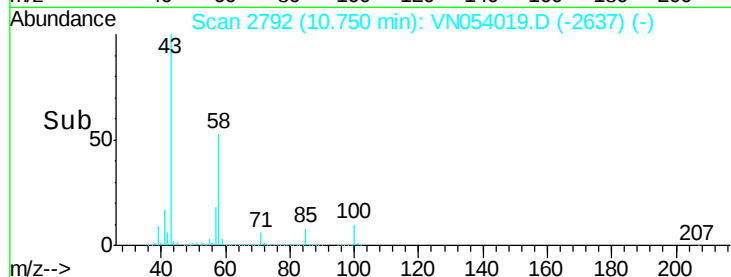
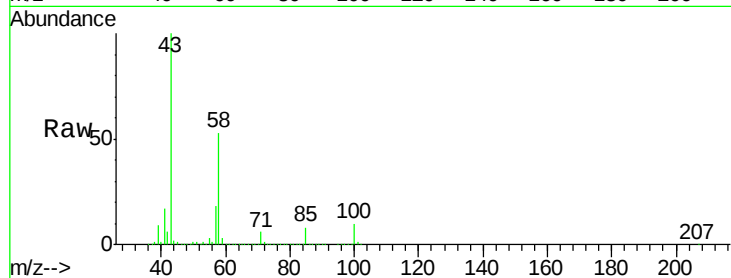




#59
2-Hexanone
Concen: 515.133 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

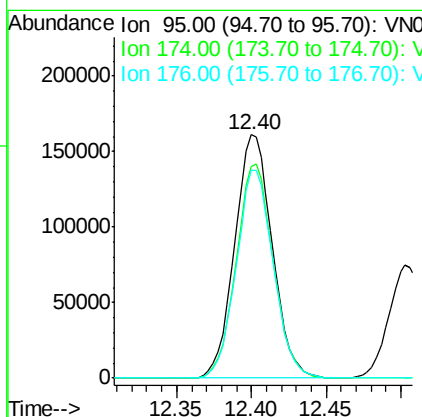
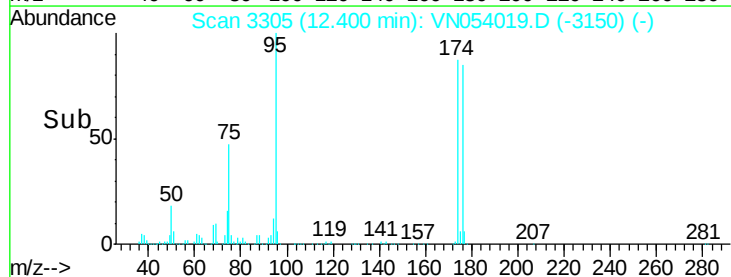
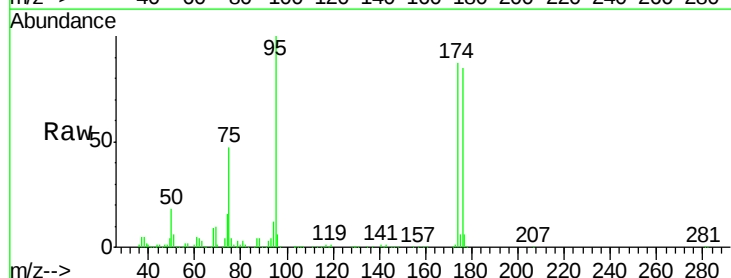
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

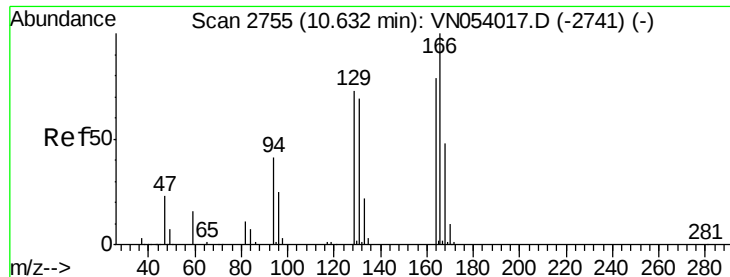
Tot Ion: 43 Resp: 2289508
Ion Ratio Lower Upper
43 100
58 53.4 43.2 64.8
57 18.3 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 515.133 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 95 Resp: 281075
Ion Ratio Lower Upper
95 100
174 86.8 67.9 101.9
176 84.7 66.4 99.6





#61

Tetrachloroethene

Concen: 92.546 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 776701

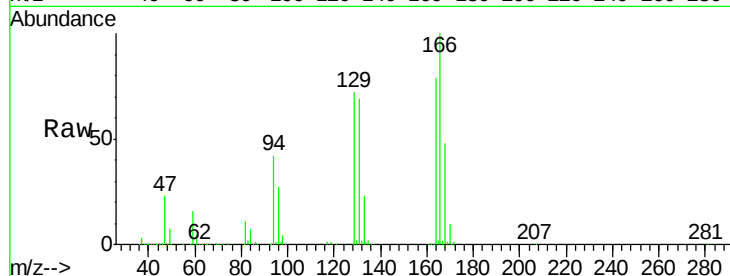
Ion Ratio Lower Upper

164 100

166 127.0 104.6 157.0

129 91.4 75.3 112.9

131 87.5 74.3 111.5

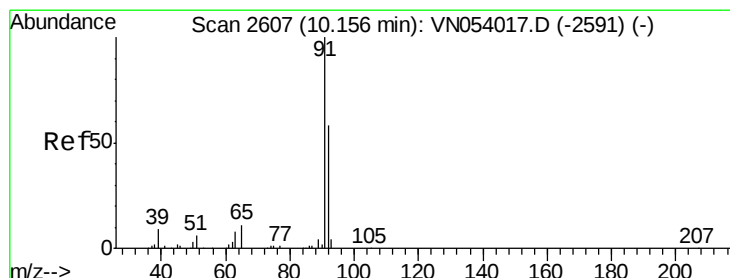
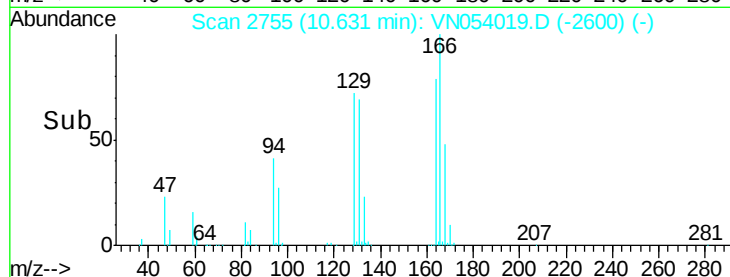
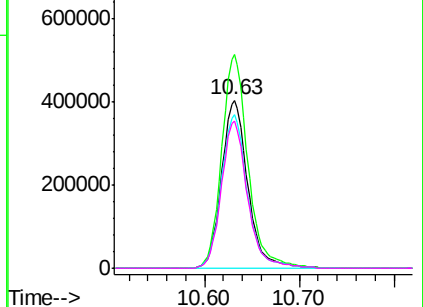


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 98.055 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054019.D

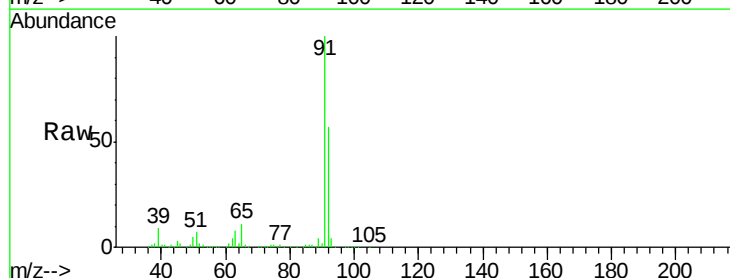
Acq: 1 Mar 2019 10:24

Tgt Ion: 91 Resp: 3308309

Ion Ratio Lower Upper

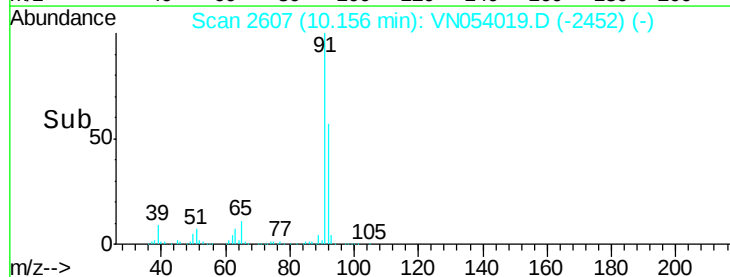
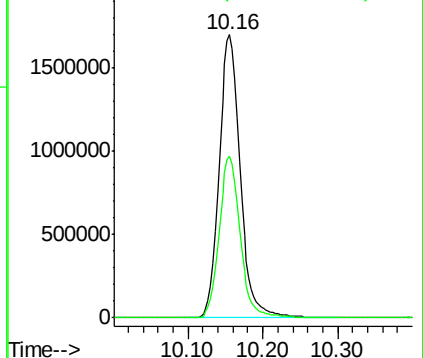
91 100

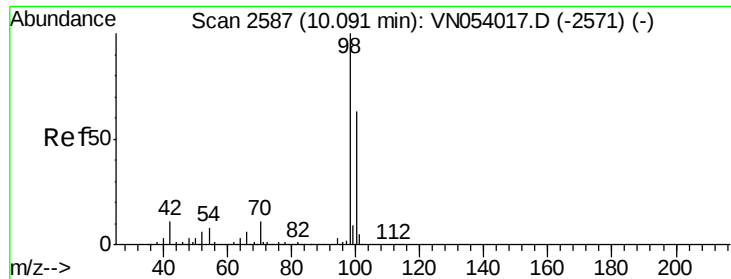
92 57.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 98.055 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

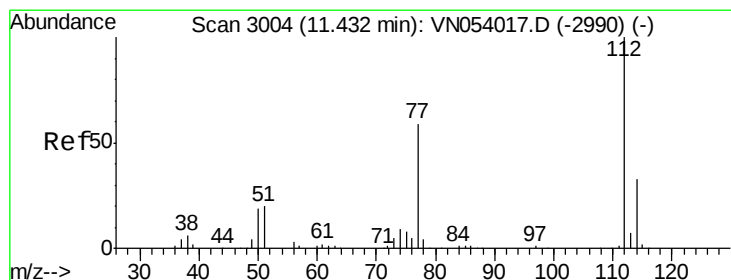
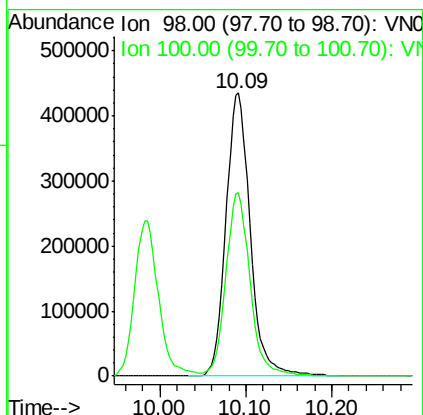
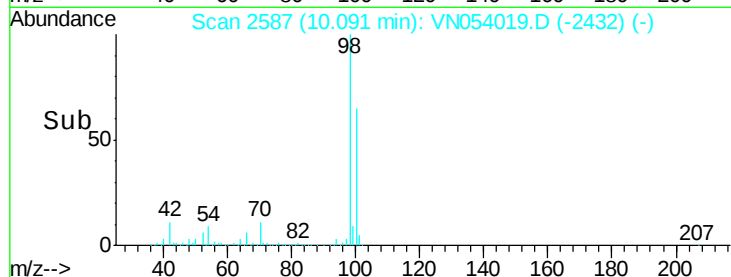
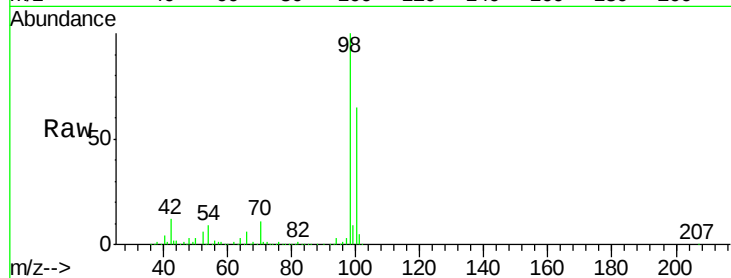
VSTDIC100

Tot Ion: 98 Resp: 855539

Ion Ratio Lower Upper

98 100

100 64.8 51.1 76.7



#64

Chlorobenzene

Concen: 98.424 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054019.D

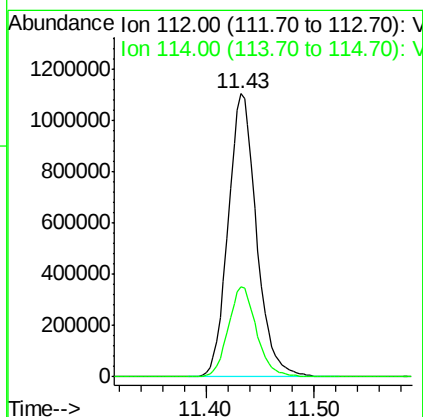
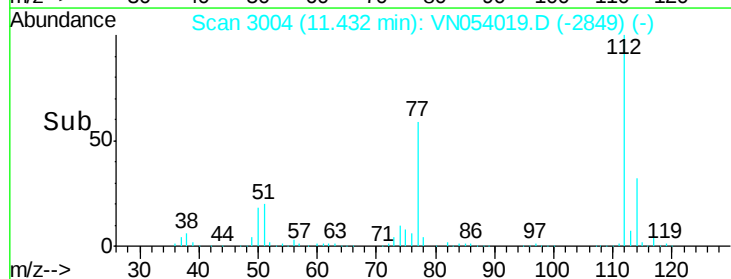
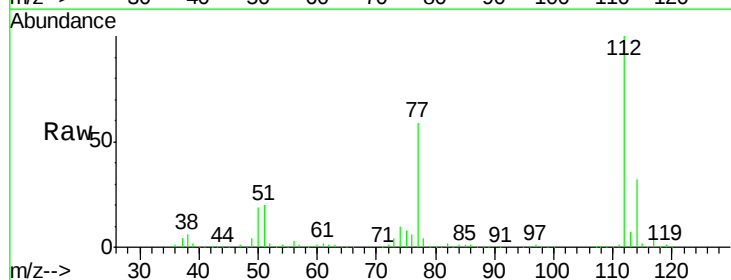
Acq: 1 Mar 2019 10:24

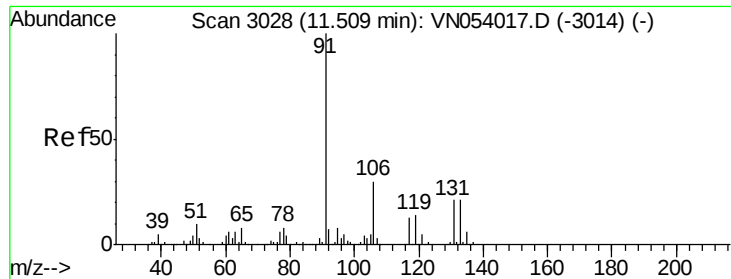
Tgt Ion: 112 Resp: 2022094

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 98.108 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

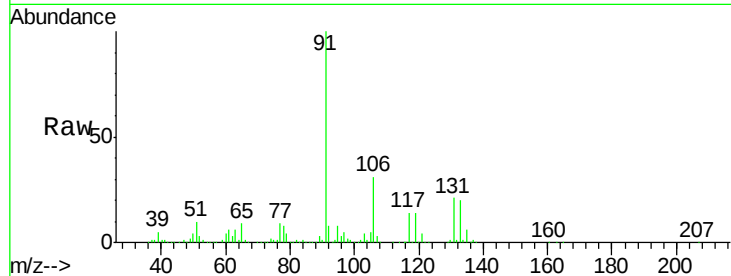
Tot Ion:131 Resp: 740095

Ion Ratio Lower Upper

131 100

133 96.1 0.0 193.4

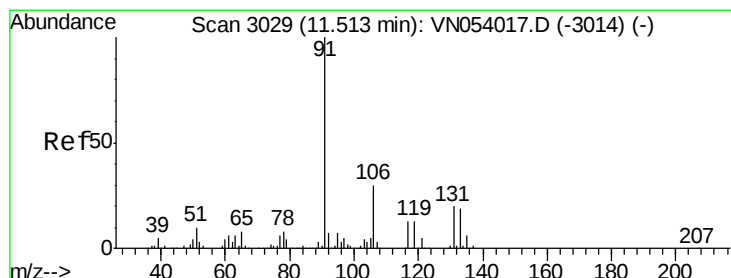
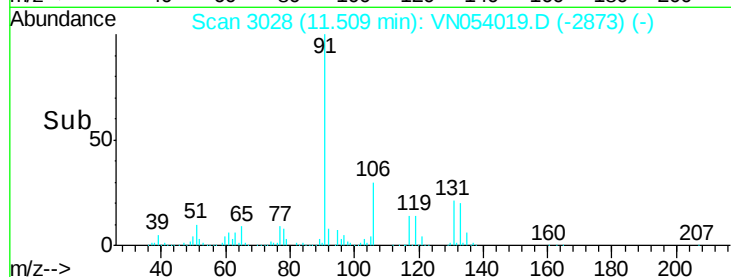
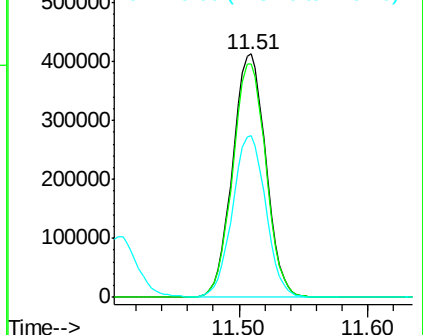
119 66.5 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 101.069 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054019.D

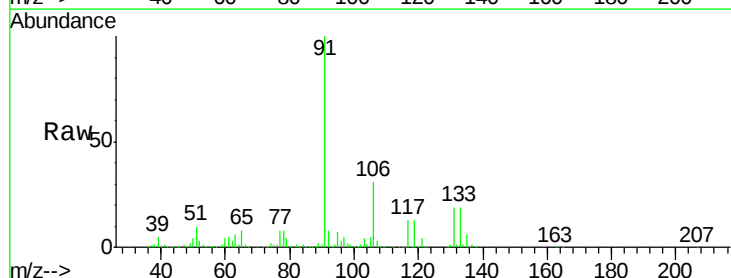
Acq: 1 Mar 2019 10:24

Tgt Ion: 91 Resp: 3564430

Ion Ratio Lower Upper

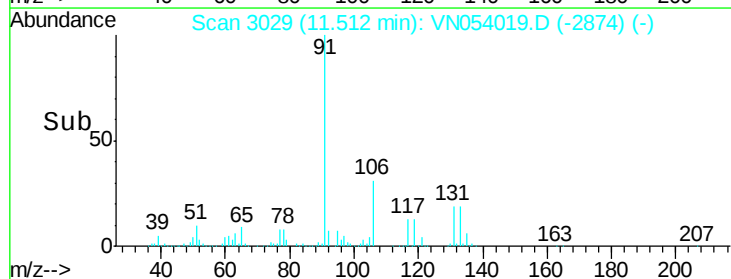
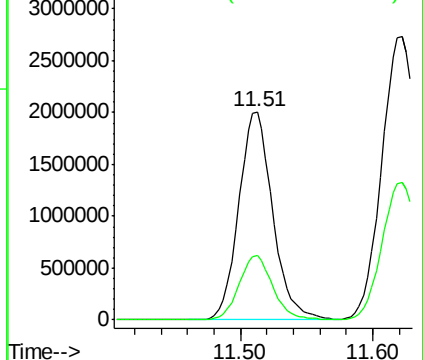
91 100

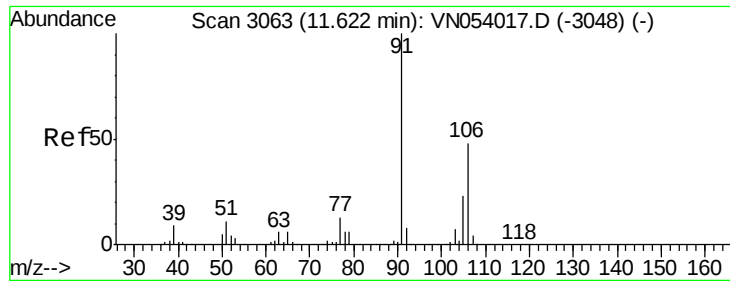
106 31.0 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

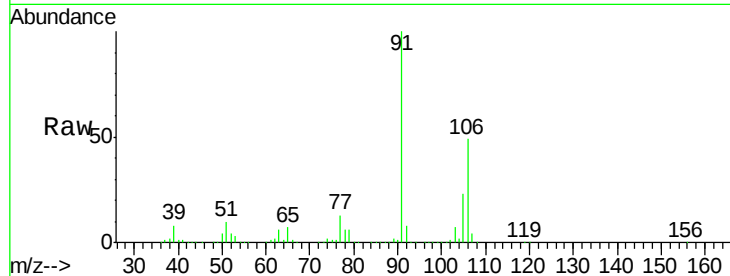




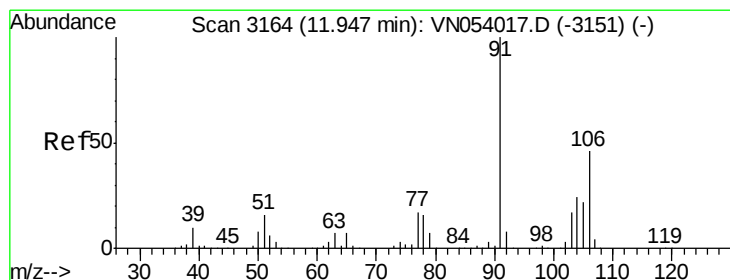
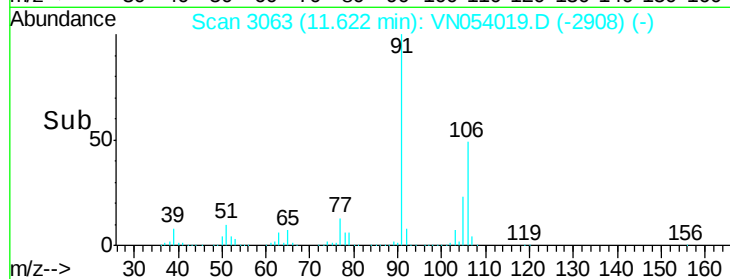
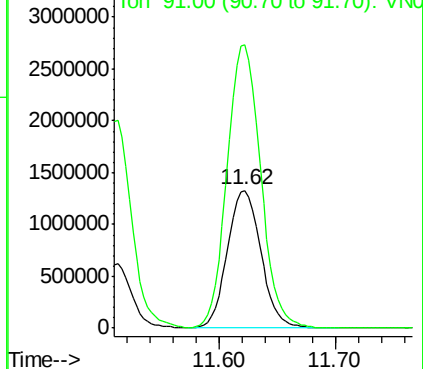
#67
m/p-Xylenes
Concen: 200.448 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2661553
Ion Ratio Lower Upper
106 100
91 205.6 163.9 245.9

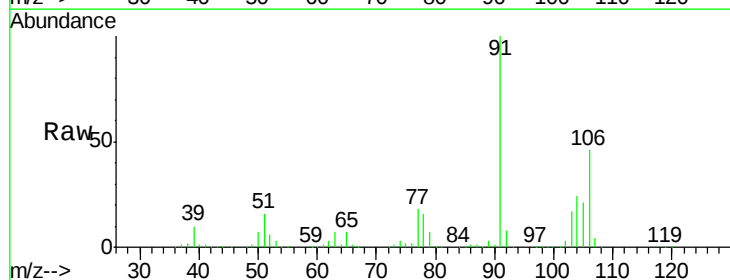


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

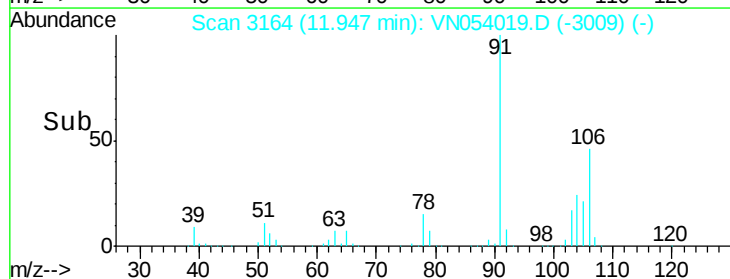
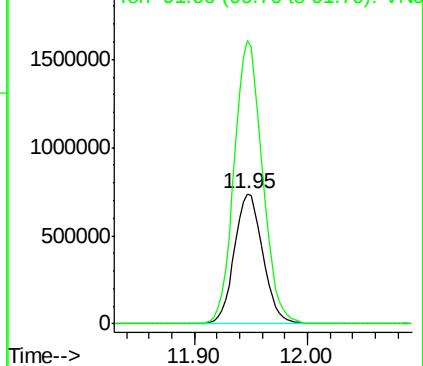


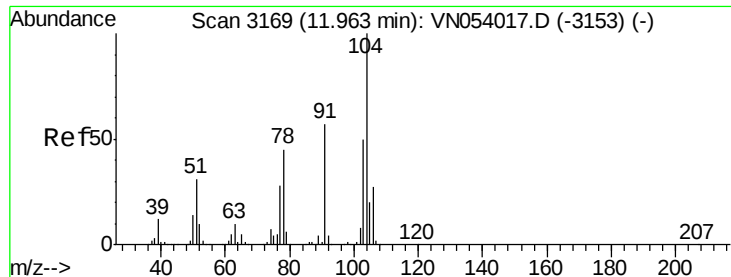
#68
o-Xylene
Concen: 100.490 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion:106 Resp: 1293436
Ion Ratio Lower Upper
106 100
91 216.0 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

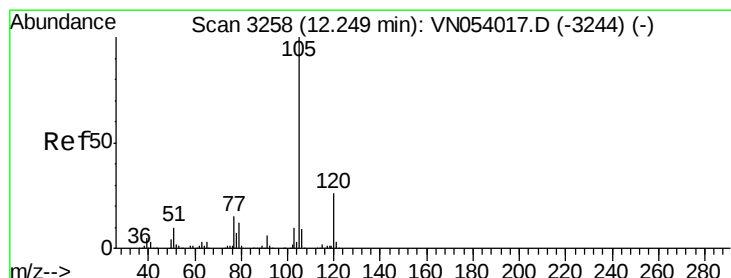
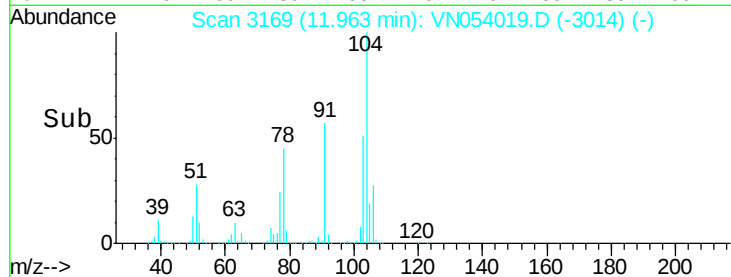
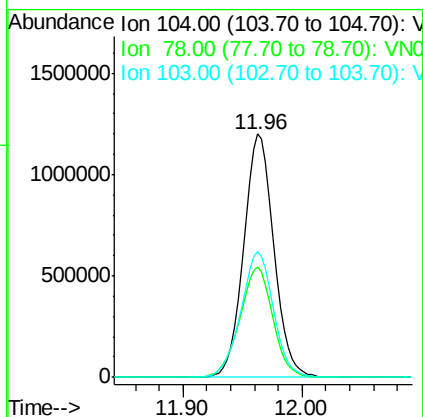
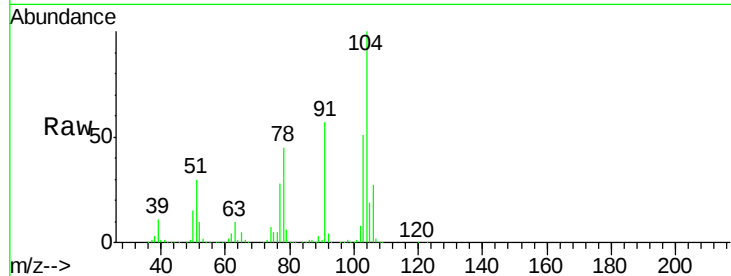




#69
Stvrene
Concen: 103.292 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

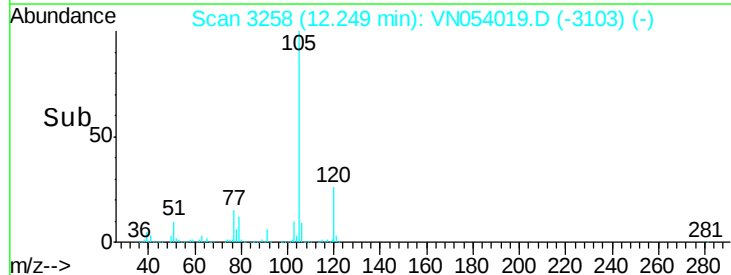
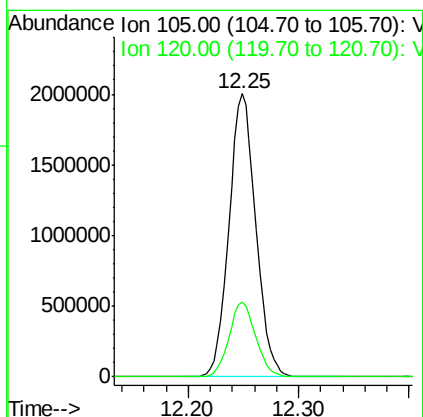
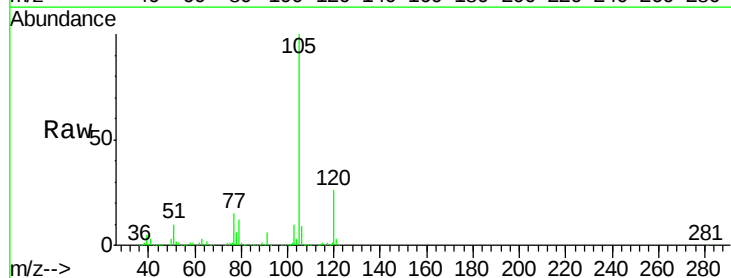
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

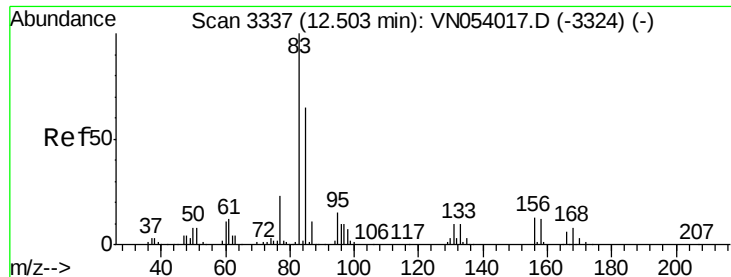
Tot Ion:104 Resp: 2105229
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 55.9 44.6 66.8



#70
Isopropylbenzene
Concen: 99.604 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion:105 Resp: 3364830
Ion Ratio Lower Upper
105 100
120 26.3 18.6 34.6

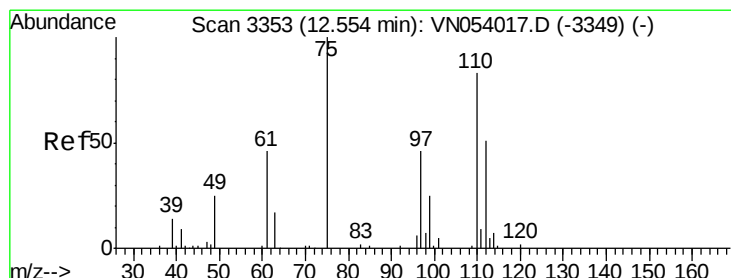
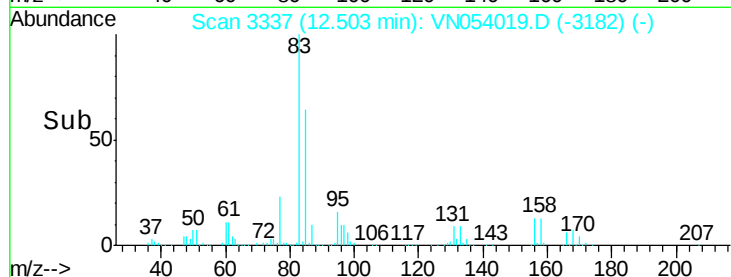
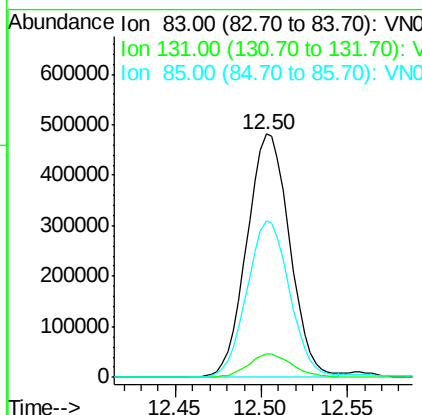
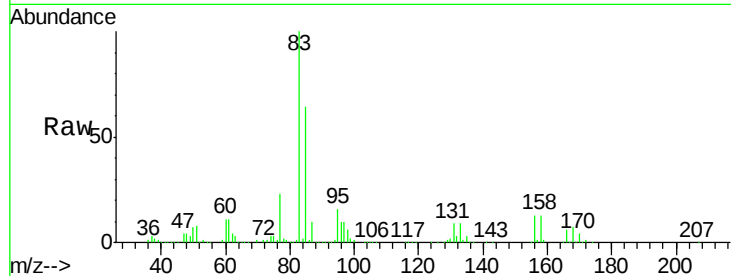




#71
 1,1,2,2-Tetrachloroethane
 Concen: 99.974 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

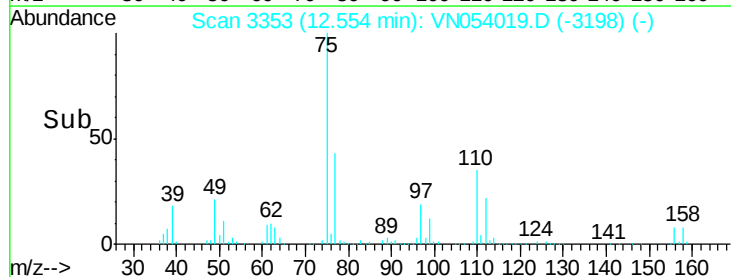
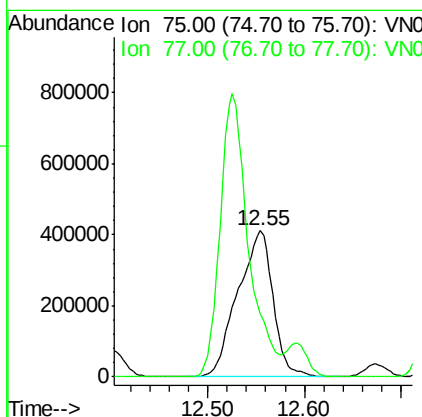
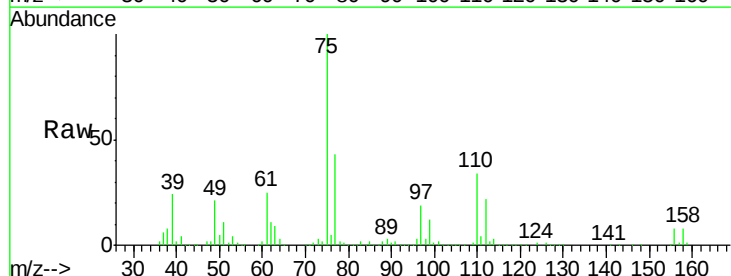
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

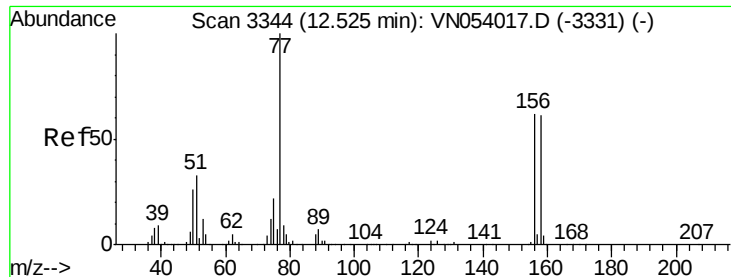
Tot Ion: 83 Resp: 833602
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.9 14.6
 85 64.1 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 164.832 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 75 Resp: 1043577
 Ion Ratio Lower Upper
 75 100
 77 156.1 0.0 514.8





#73

Bromobenzene

Concen: 99.179 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

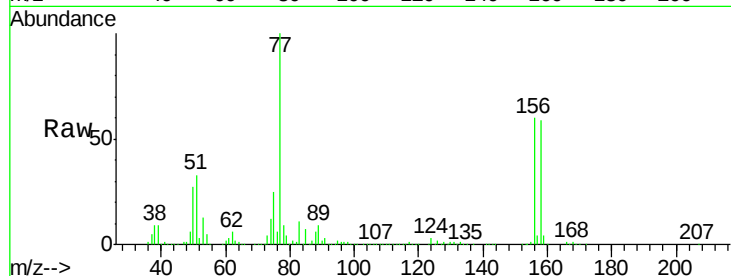
Tot Ion:156 Resp: 844726

Ion Ratio Lower Upper

156 100

77 192.9 0.0 382.6

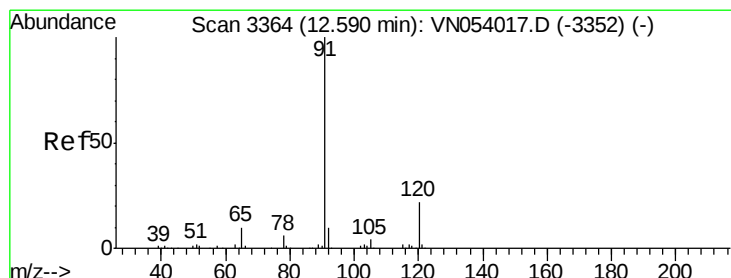
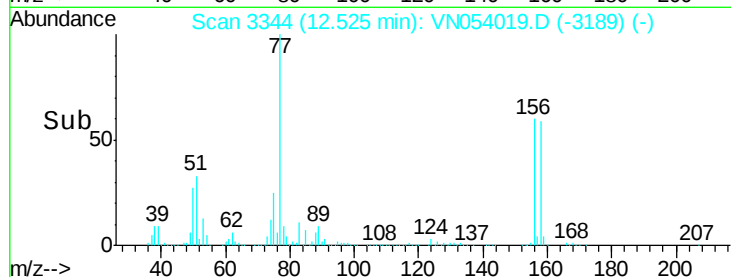
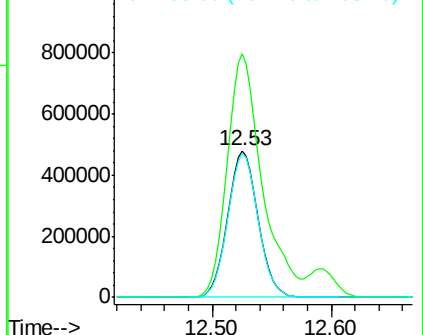
158 98.0 0.0 196.8



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: 100.526 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054019.D

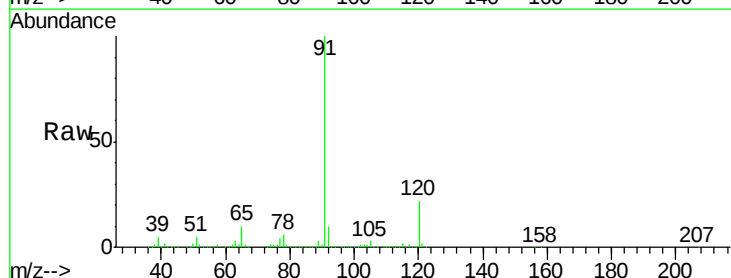
Acq: 1 Mar 2019 10:24

Tgt Ion: 91 Resp: 4043907

Ion Ratio Lower Upper

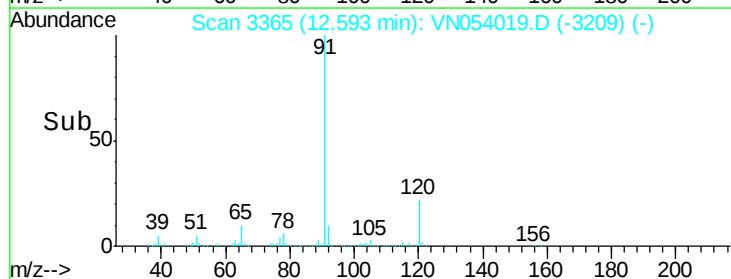
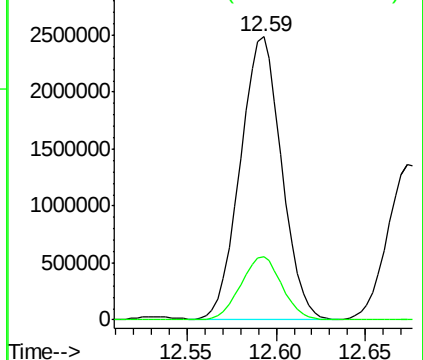
91 100

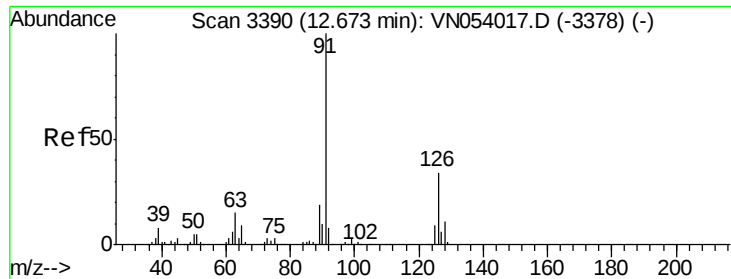
120 22.2 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 98.697 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

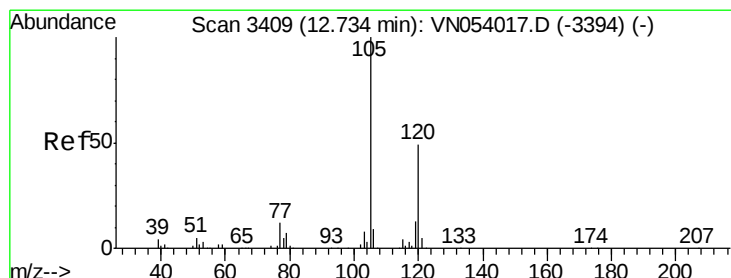
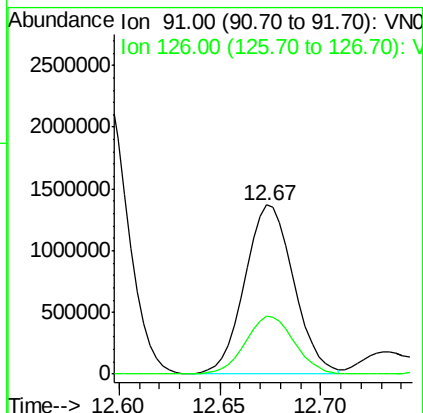
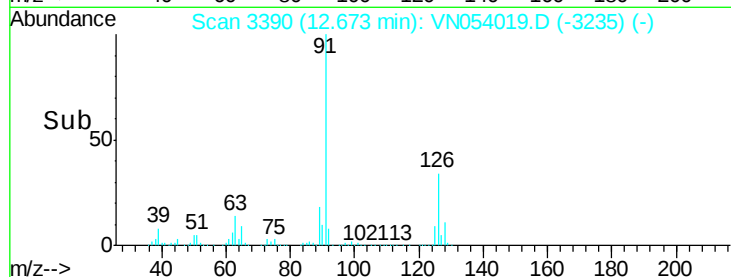
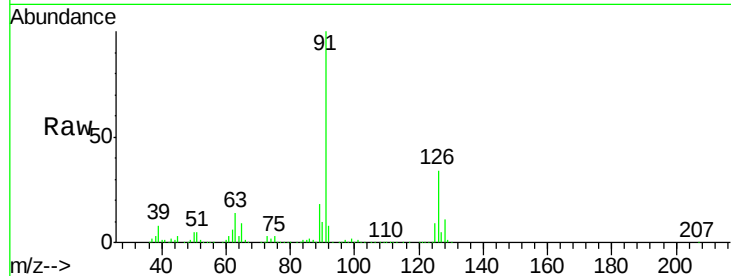
VSTDIC100

Tot Ion: 91 Resp: 2324985

Ion Ratio Lower Upper

91 100

126 34.4 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 99.958 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054019.D

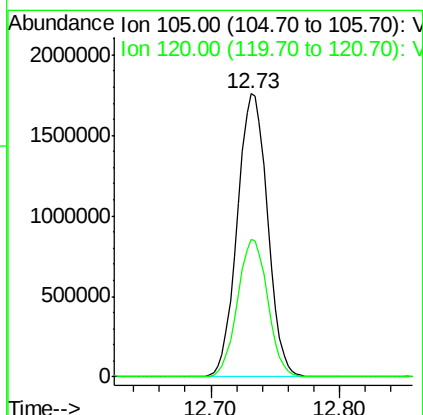
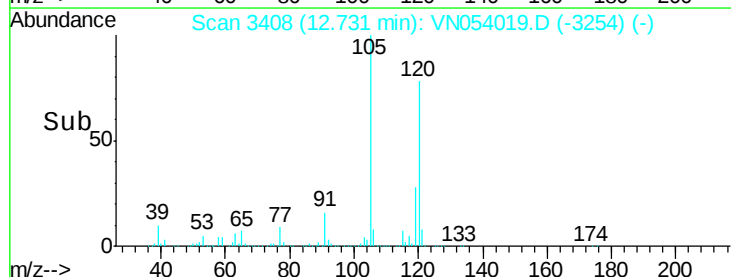
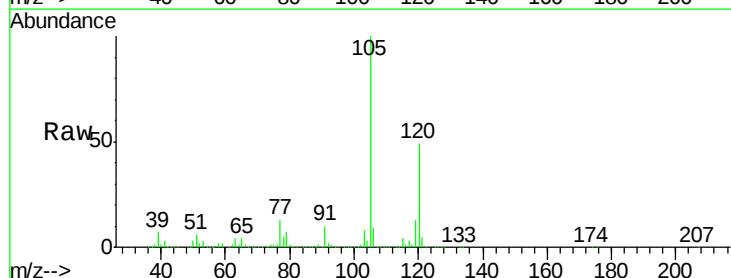
Acq: 1 Mar 2019 10:24

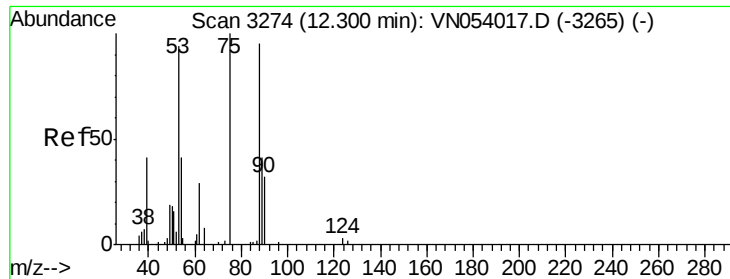
Tgt Ion:105 Resp: 2860408

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4



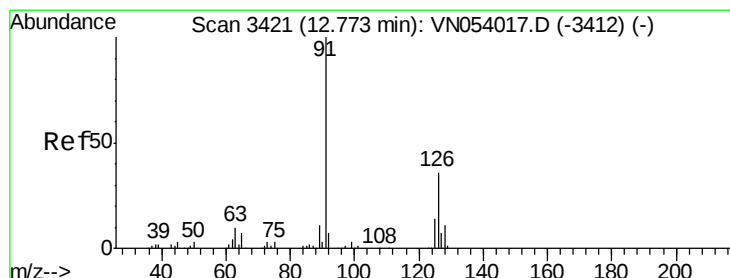
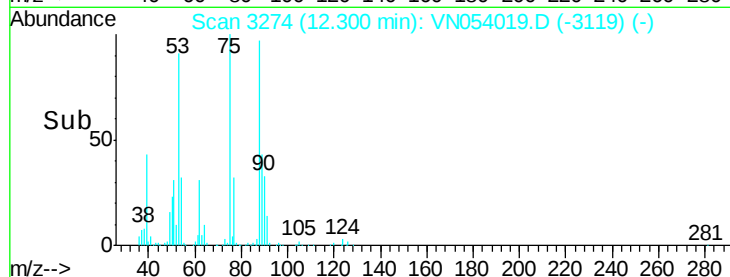
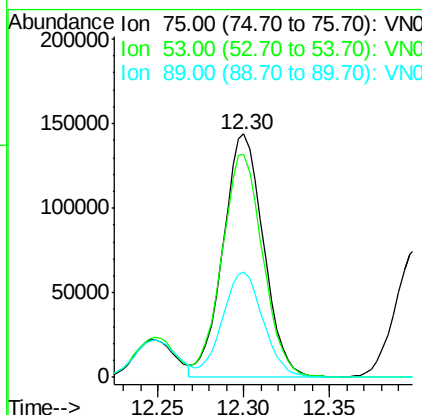
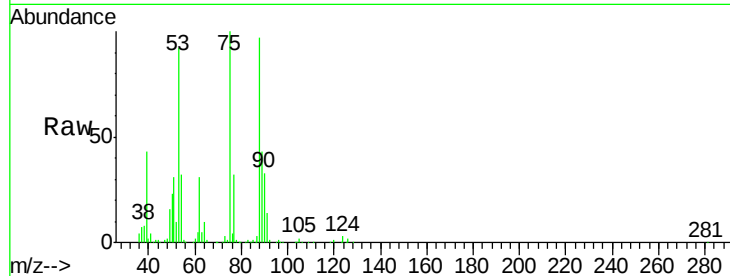


#77
t-1,4-Dichloro-2-butene
Concen: 105.147 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 236891

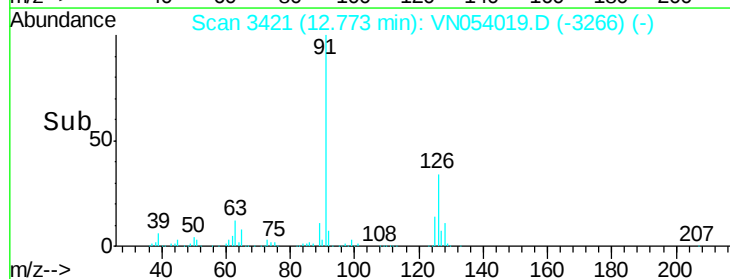
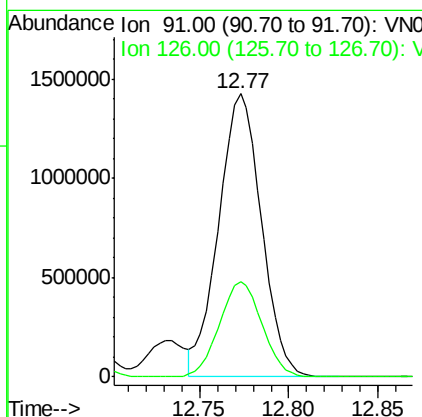
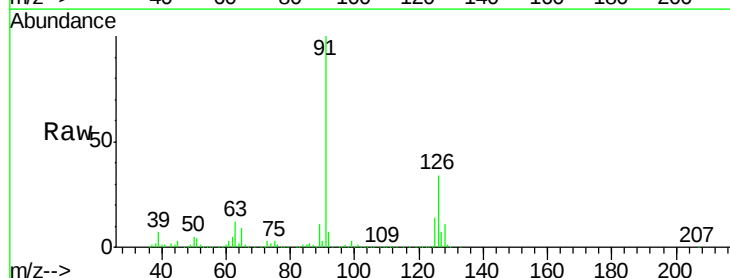
Ion	Ratio	Lower	Upper
75	100		
53	91.7	48.5	145.6
89	43.1	21.7	65.1

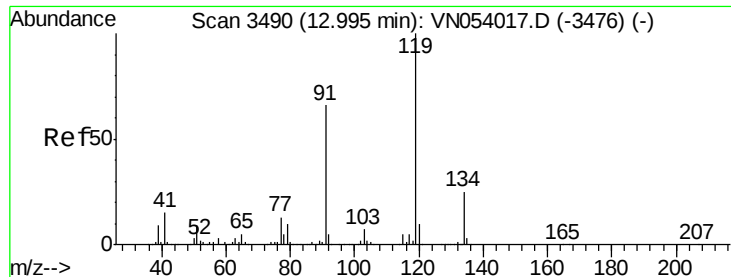


#78
4-Chlorotoluene
Concen: 100.245 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 91 Resp: 2362997

Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	68.2

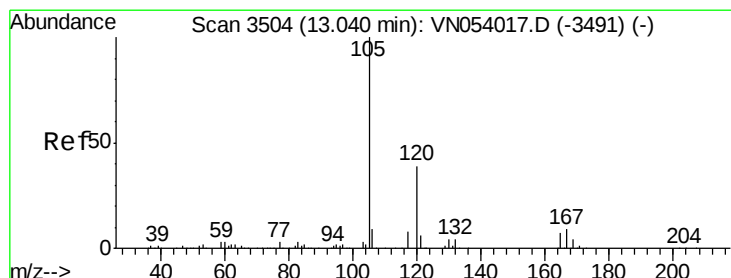
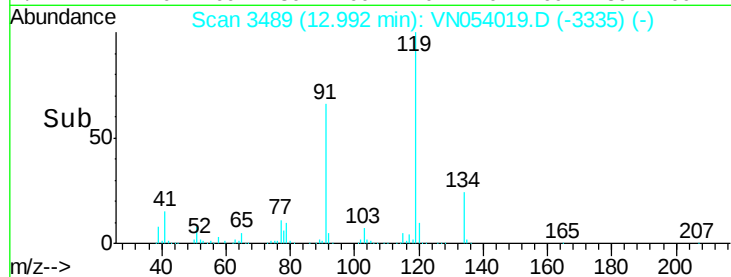
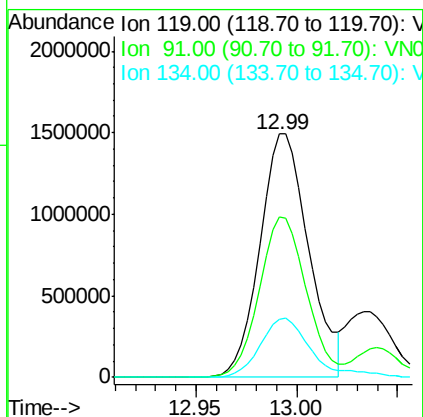
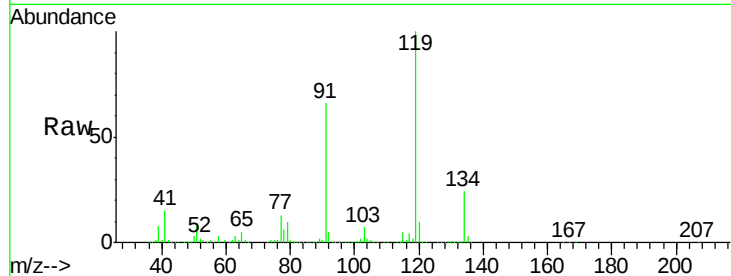




#79
tert-butylbenzene
Concen: 100.431 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

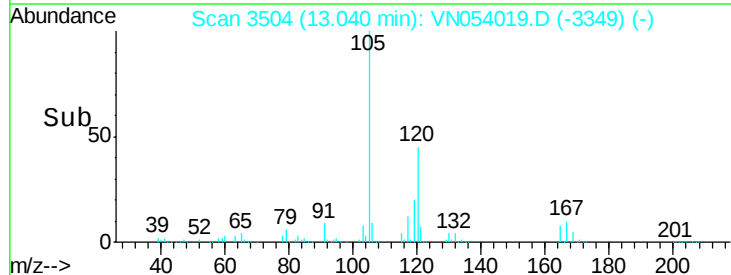
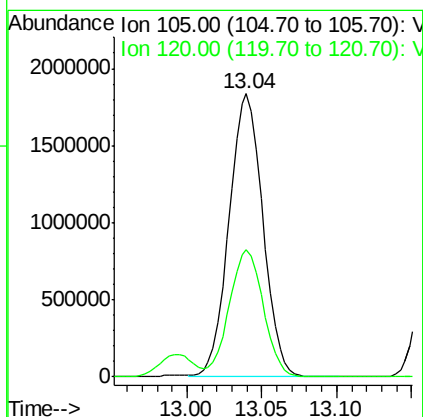
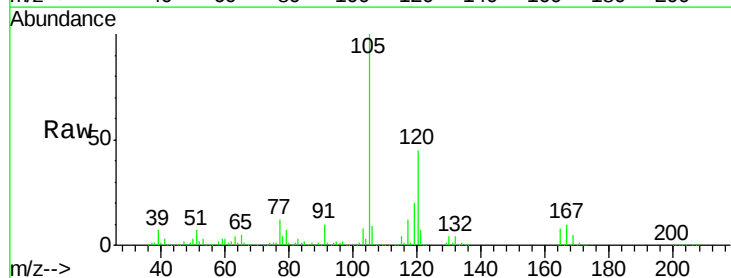
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

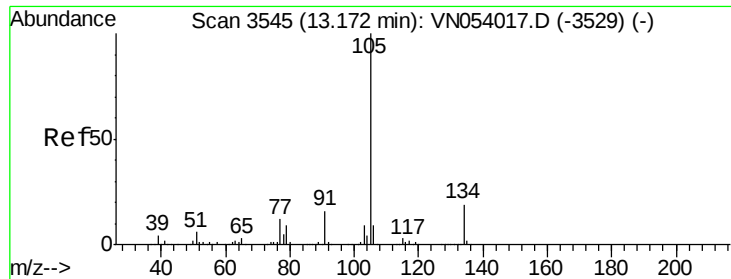
Tot Ion:119 Resp: 2518332
Ion Ratio Lower Upper
119 100
91 63.2 0.0 129.8
134 25.4 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 101.321 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion:105 Resp: 2885711
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.0

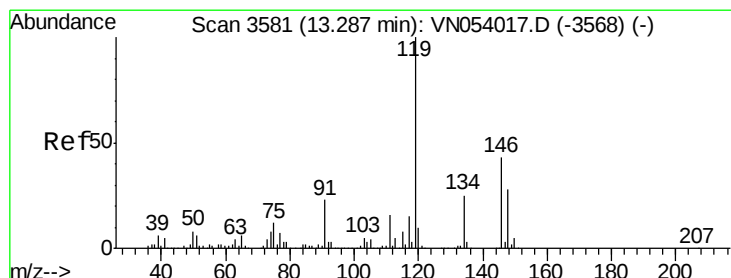
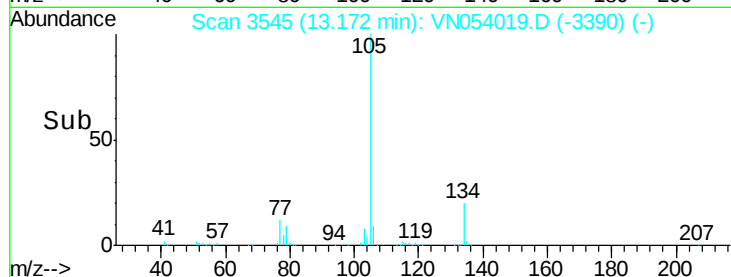
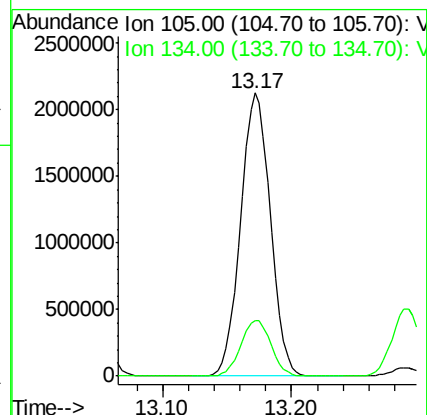
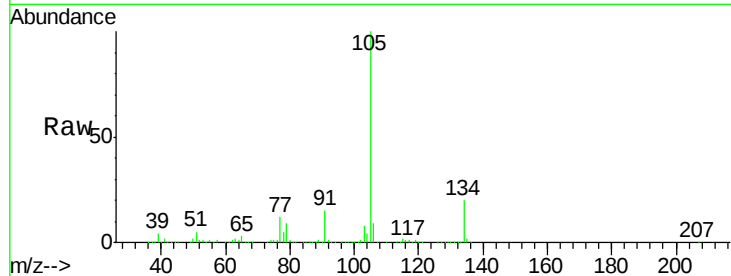




#81
 sec-Butylbenzene
 Concen: 98.823 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

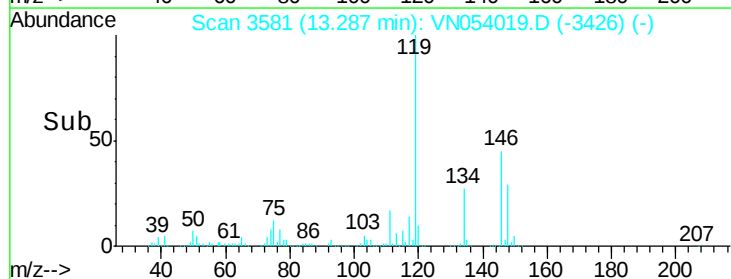
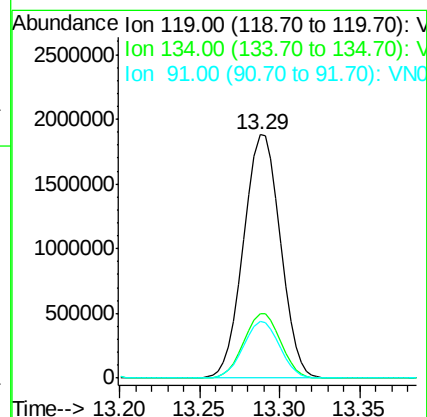
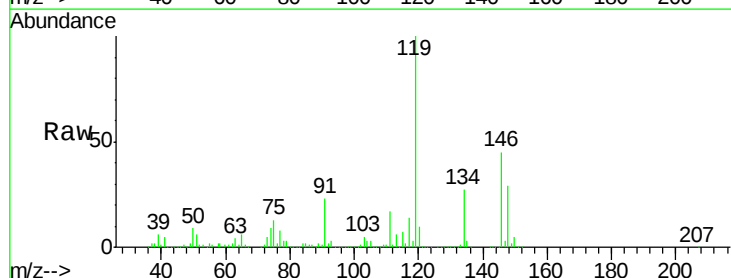
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

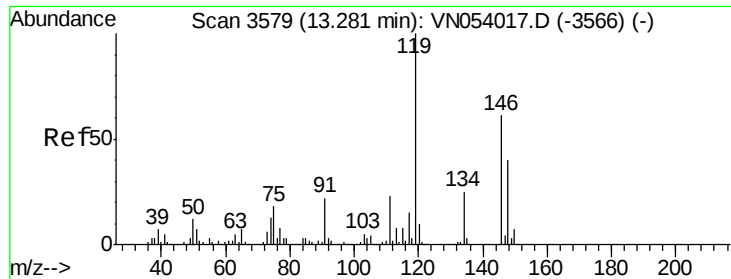
Tot Ion:105 Resp: 3398566
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 100.541 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion:119 Resp: 2952359
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 22.8 0.0 46.2

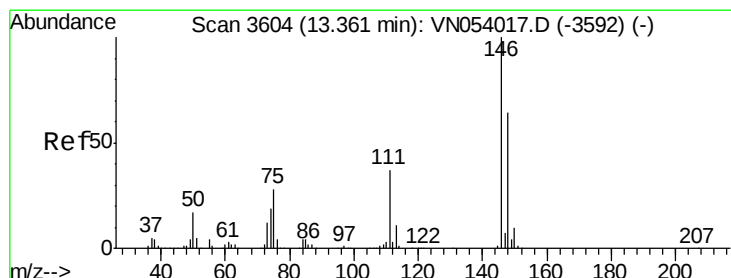
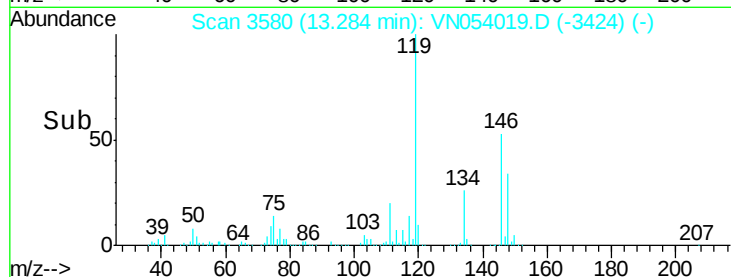
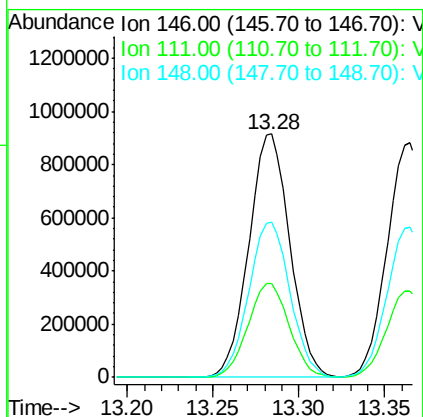
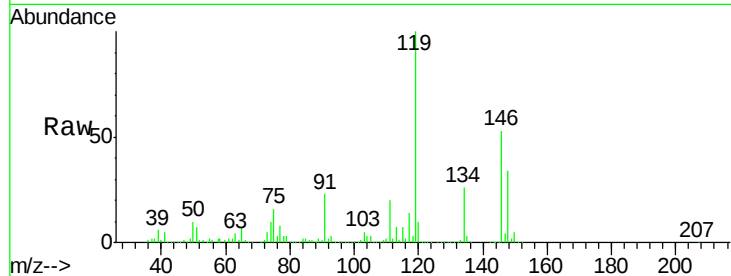




#83
 1,3-Dichlorobenzene
 Concen: 100.760 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

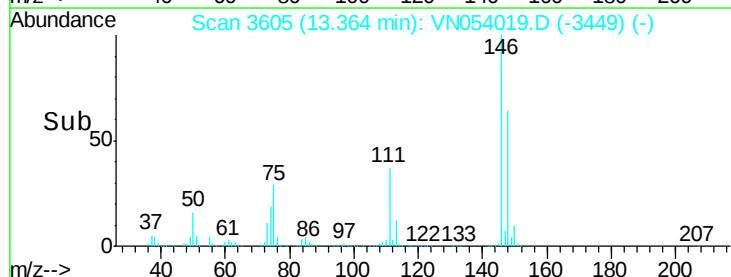
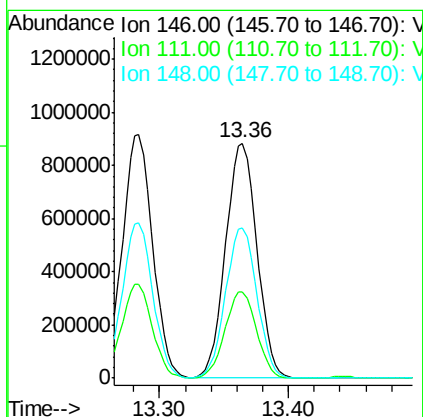
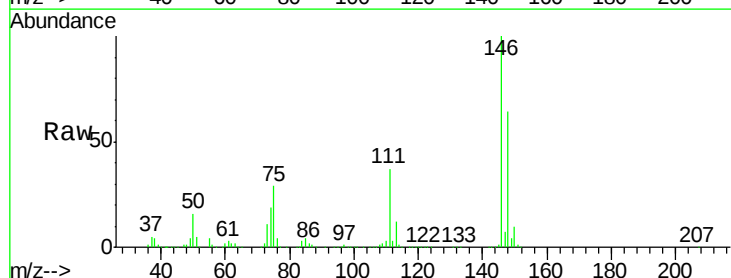
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

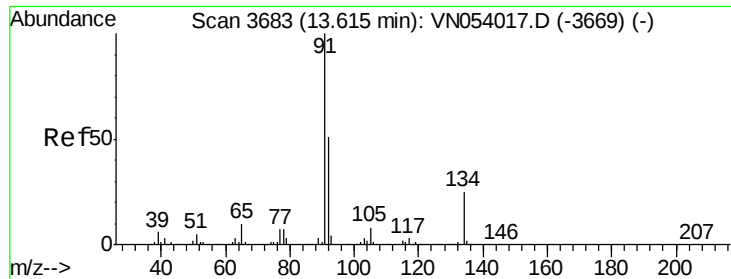
Tot Ion:146 Resp: 1513716
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.0
 148 64.2 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 103.877 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion:146 Resp: 1489944
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.3
 148 64.1 32.5 97.4

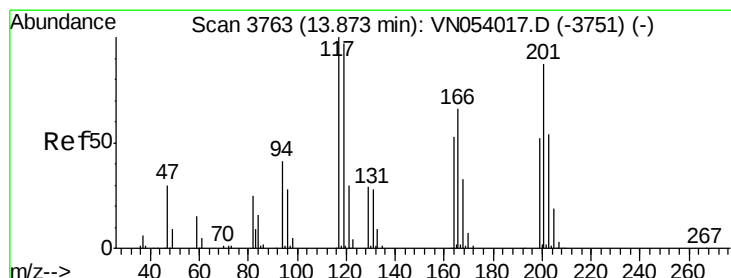
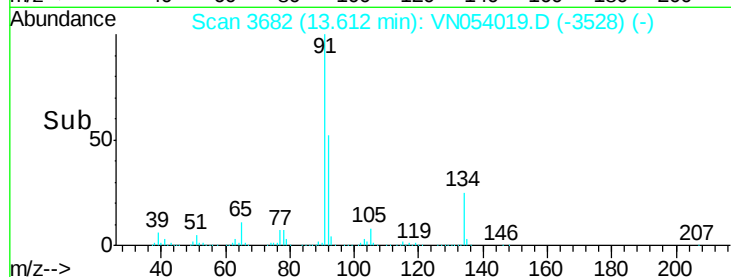
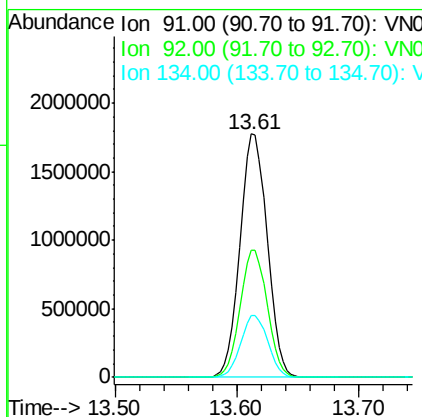
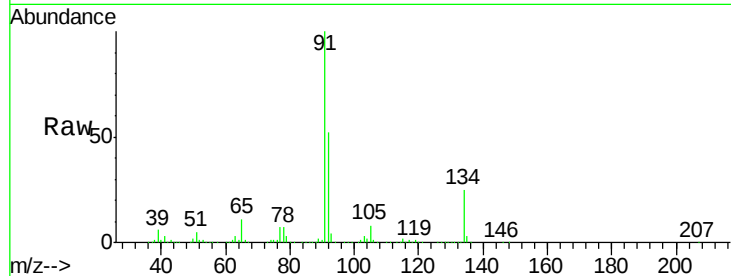




#85
n-Butylbenzene
Concen: 106.490 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

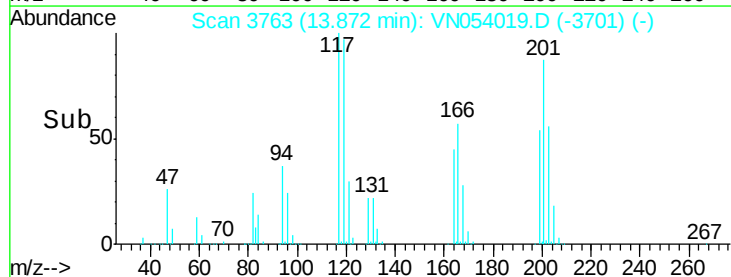
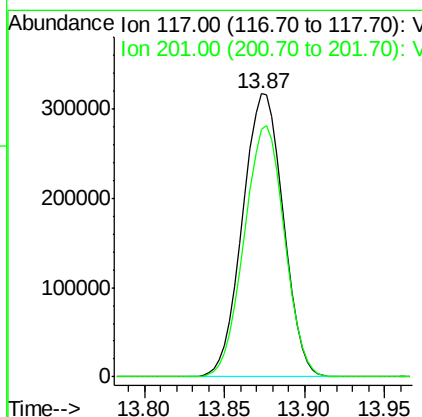
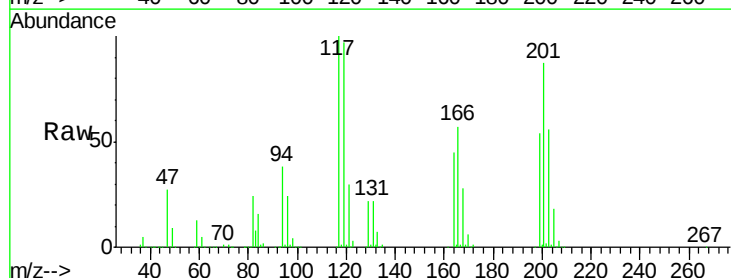
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

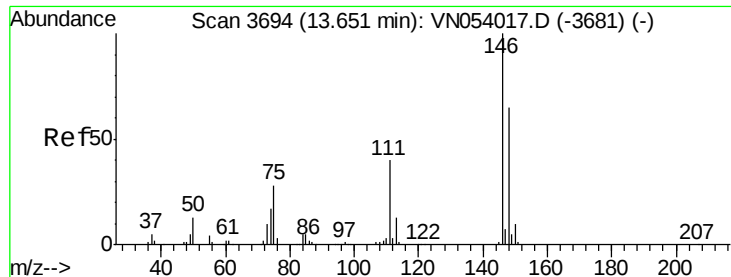
Tot Ion: 91 Resp: 2725422
Ion Ratio Lower Upper
91 100
92 52.0 0.0 104.2
134 25.3 0.0 50.6



#86
Hexachloroethane
Concen: 100.457 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 117 Resp: 551517
Ion Ratio Lower Upper
117 100
201 87.8 43.8 131.3

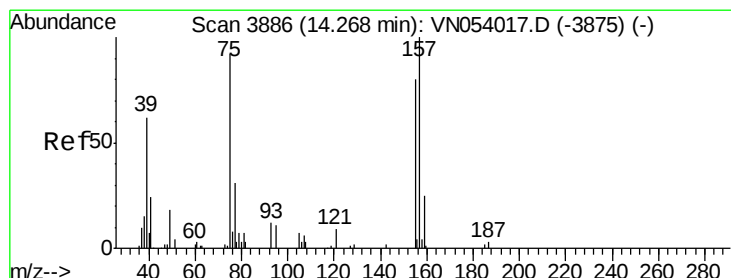
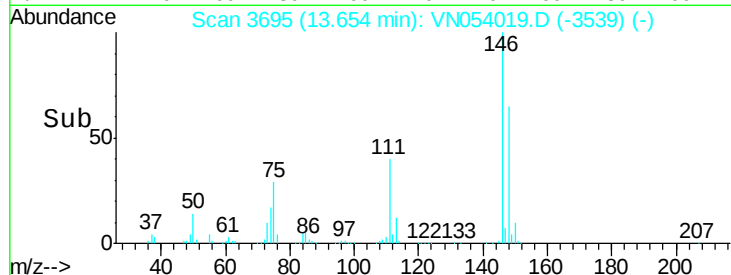
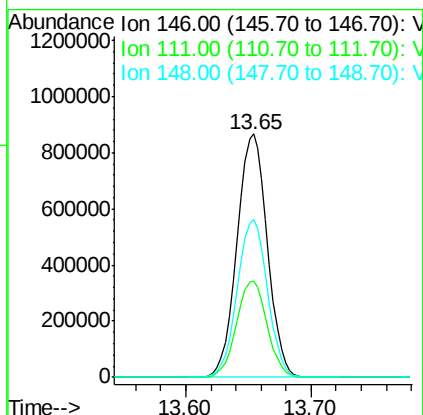
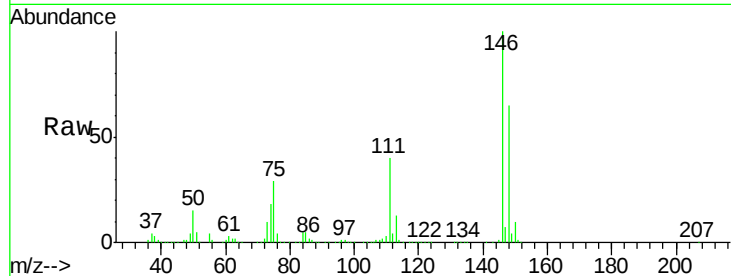




#87
 1,2-Dichlorobenzene
 Concen: 99.801 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

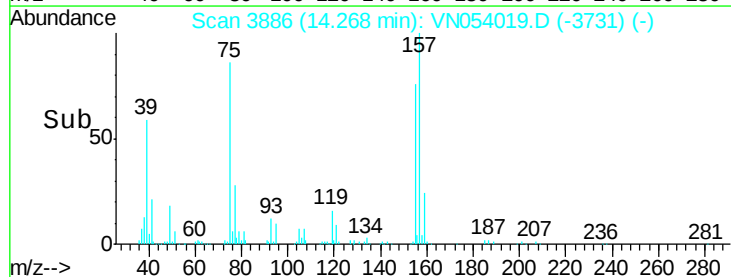
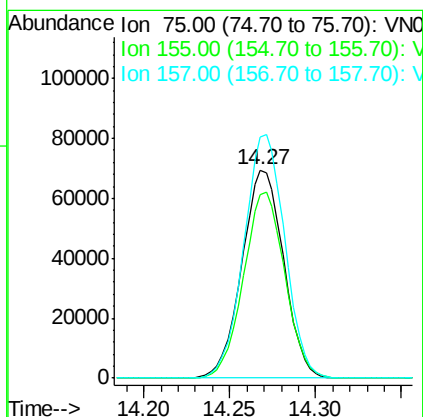
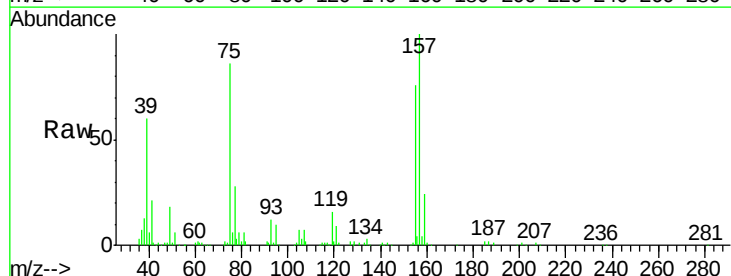
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

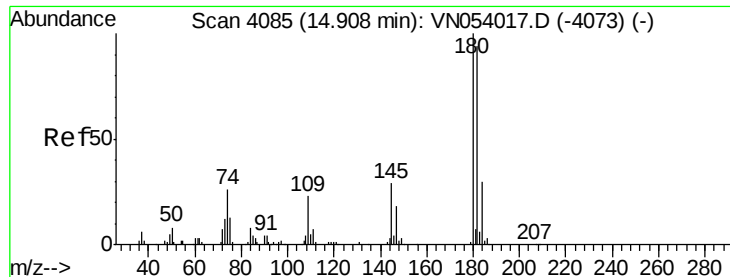
Tot Ion:146 Resp: 1454065
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.3 60.8
 148 64.7 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 97.063 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 75 Resp: 117096
 Ion Ratio Lower Upper
 75 100
 155 88.5 72.2 108.2
 157 114.6 94.2 141.2

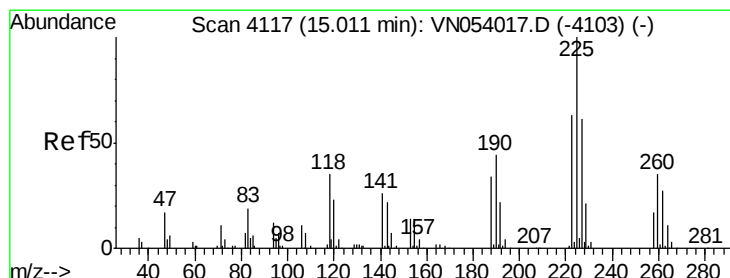
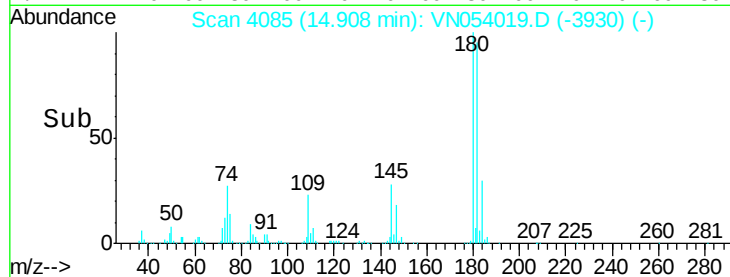
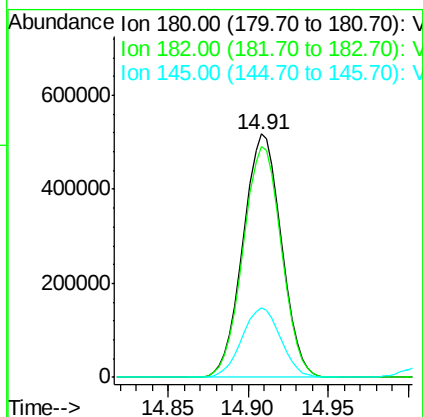
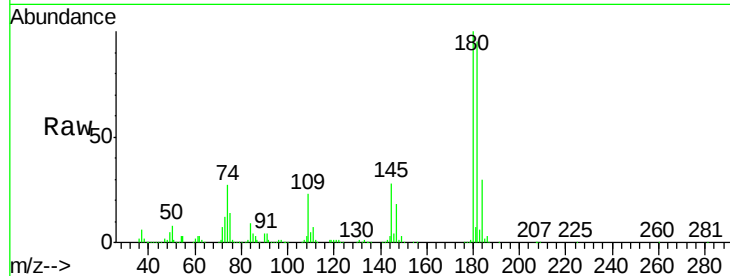




#89
 1,2,4-Trichlorobenzene
 Concen: 114.419 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

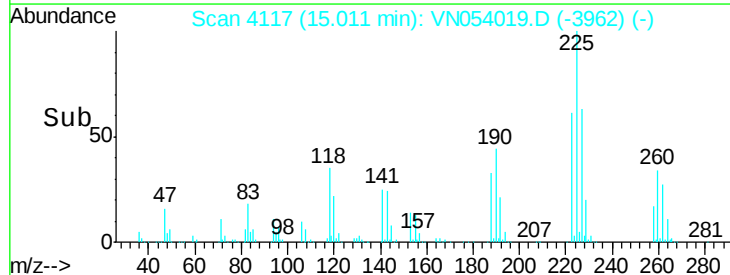
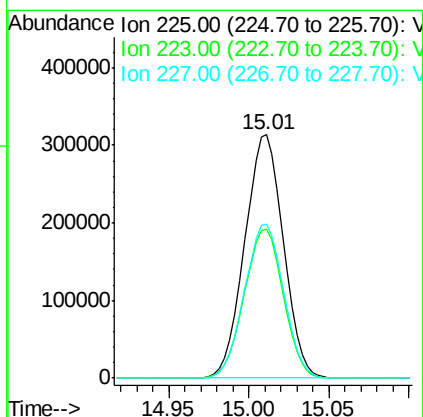
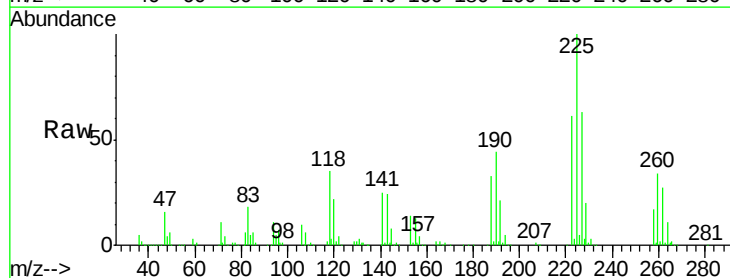
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

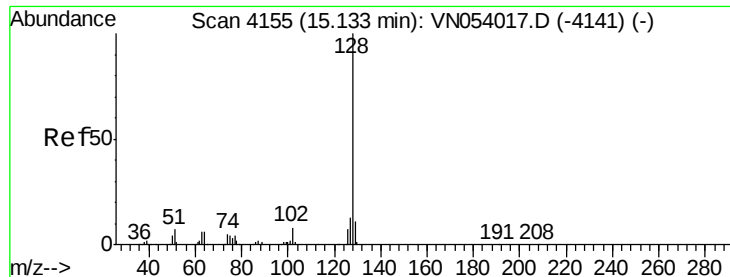
Tot Ion:180 Resp: 846916
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 114.8
 145 28.7 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 96.589 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion:225 Resp: 519442
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 125.6
 227 64.1 0.0 127.8





#91

Naphthalene

Concen: 93.527 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

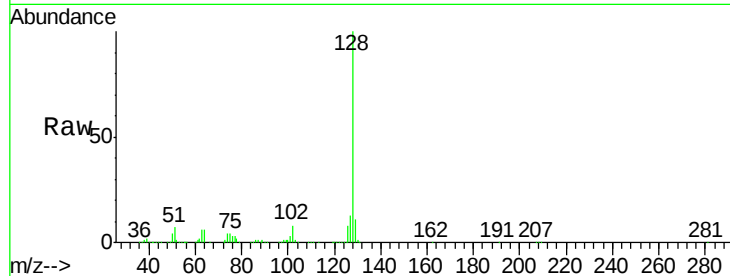
Tot Ion:128 Resp: 1752178

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

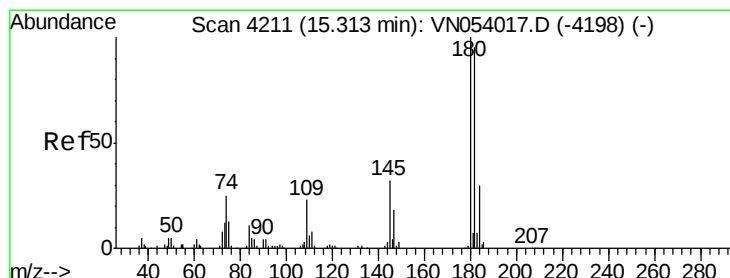
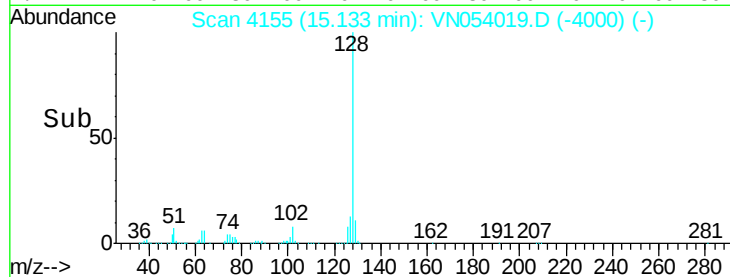
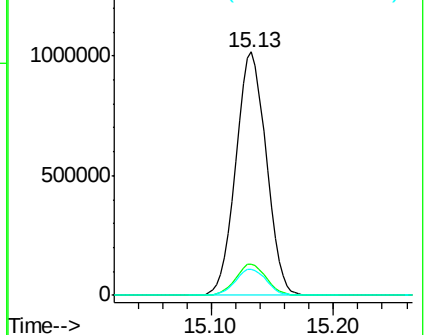
129 10.9 8.5 12.7



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: 110.222 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

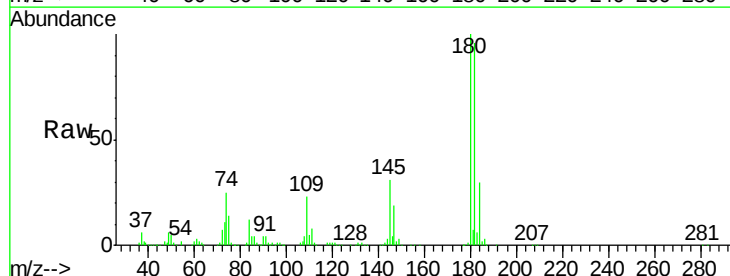
Tgt Ion:180 Resp: 805663

Ion Ratio Lower Upper

180 100

182 95.9 0.0 196.2

145 30.7 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

