

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054018.D
 Acq On : 1 Mar 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Mar 02 00:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114413	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	633359	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	559433	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	245112	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.40	95	261884	30.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.97%
63) Toluene-d8	10.09	98	795221	29.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	321059	49.630	ug/l 100
3) Chloromethane	2.06	50	431301	50.122	ug/l 98
4) Vinyl Chloride	2.19	62	426644	49.513	ug/l 98
5) Bromomethane	2.57	94	261592	49.351	ug/l 97
6) Chloroethane	2.71	64	252326	49.736	ug/l 99
7) Trichlorofluoromethane	3.02	101	523741	50.026	ug/l 99
8) Diethyl Ether	3.41	74	201320	51.131	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	330201	49.058	ug/l 98
10) 1,1-Dichloroethene	3.74	96	313310	49.680	ug/l 97
11) Methyl Iodide	3.96	142	480137	51.327	ug/l 99
12) Methyl Acetate	4.32	43	276653	52.028	ug/l 98
13) Acrolein	3.61	56	122705	212.424	ug/l 98
14) Acrylonitrile	4.99	53	677538	265.159	ug/l 99
15) Acetone	3.81	58	194074	263.552	ug/l 97
16) Carbon Disulfide	4.06	76	1027284	50.206	ug/l 99
17) Allyl chloride	4.33	41	585887	52.531	ug/l 99
18) Methylene Chloride	4.55	84	364299	50.025	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	347205	50.748	ug/l 97
20) Diisopropyl ether	5.95	45	1155737	51.801	ug/l 98
21) 1,1-Dichloroethane	5.85	63	662805	50.302	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	385546	50.619	ug/l 97
23) tert-Butyl Alcohol	4.78	59	122252	267.119	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	897627	52.577	ug/l 99
25) Chloroform	7.37	83	641333	50.445	ug/l 99
26) Cyclohexane	7.65	56	618882	51.609	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	499078	50.306	ug/l 99
30) 2-Butanone	6.83	43	820283	261.872	ug/l 99
31) 2,2-Dichloropropane	6.82	77	485420	49.622	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	530786	49.742	ug/l 98
33) Carbon Tetrachloride	7.77	117	467721	49.504	ug/l 99
34) Benzene	8.04	78	1479099	50.166	ug/l # 94
35) Methacrylonitrile	7.17	41	170255	48.610	ug/l 96
36) 1,2-Dichloroethane	8.12	62	465154	49.131	ug/l 100
37) Trichloroethene	8.83	130	379294	49.281	ug/l 98
38) Methylcyclohexane	9.08	83	588124	50.228	ug/l 100
39) 1,2-Dichloropropane	9.12	63	399376	49.445	ug/l 98
40) Dibromomethane	9.21	93	231925	50.087	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	490582	49.933	ug/l	99
42) Vinyl Acetate	5.89	43	4226993	261.206	ug/l	100
43) Ethyl Acetate	6.93	43	336042	51.218	ug/l #	67
44) Isopropyl Acetate	8.16	43	588328	51.102	ug/l	96
45) 1,4-Dioxane	9.20	88	74847	1058.166	ug/l	96
46) Methyl methacrylate	9.20	41	286306	51.774	ug/l	98
47) n-amyl Acetate	12.07	43	460234	54.420	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	499668	50.723	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	587794	50.815	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	324360	49.938	ug/l	99
51) Ethyl methacrylate	10.43	69	414153	52.966	ug/l	99
52) 1,3-Dichloropropane	10.71	76	567609	50.917	ug/l	99
53) Dibromochloromethane	10.90	129	361162	50.603	ug/l	99
54) 1,2-Dibromoethane	11.00	107	316330	51.126	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	986131	271.768	ug/l	99
56) Bromoform	12.13	173	241872	51.039	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1666985	264.443	ug/l	98
59) 2-Hexanone	10.75	43	1094482	265.743	ug/l	99
61) Tetrachloroethene	10.63	164	374474	48.151	ug/l	98
62) Toluene	10.16	91	1562531	49.977	ug/l	100
64) Chlorobenzene	11.43	112	940135	49.381	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	345553	49.432	ug/l	99
66) Ethyl Benzene	11.51	91	1640777	50.206	ug/l	100
67) m/p-Xylenes	11.62	106	1264055	102.733	ug/l	100
68) o-Xylene	11.95	106	605324	50.751	ug/l	100
69) Styrene	11.96	104	985637	52.187	ug/l	100
70) Isopropylbenzene	12.25	105	1602765	51.199	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	394034	50.996	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	497236	84.753	ug/l	41
73) Bromobenzene	12.53	156	401609	50.884	ug/l	98
74) n-propylbenzene	12.59	91	1908369	51.194	ug/l	100
75) 2-Chlorotoluene	12.67	91	1113267	50.999	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1367051	51.553	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110492	52.924	ug/l	98
78) 4-Chlorotoluene	12.77	91	1123169	51.419	ug/l	99
79) tert-butylbenzene	12.99	119	1178637	50.724	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1378284	52.223	ug/l	100
81) sec-Butylbenzene	13.17	105	1633291	51.251	ug/l	99
82) p-Isopropyltoluene	13.29	119	1407126	51.711	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	719145	51.658	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	688020	51.764	ug/l	100
85) n-Butylbenzene	13.61	91	1254194	52.883	ug/l	100
86) Hexachloroethane	13.87	117	249841	49.109	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	700354	51.873	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	60277	53.919	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	378568	55.192	ug/l	100
90) Hexachlorobutadiene	15.01	225	250788	50.324	ug/l	100
91) Naphthalene	15.13	128	782791	48.719	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	365847	54.012	ug/l	98

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QLast Update : Fri Mar 01 11:11:48 2019
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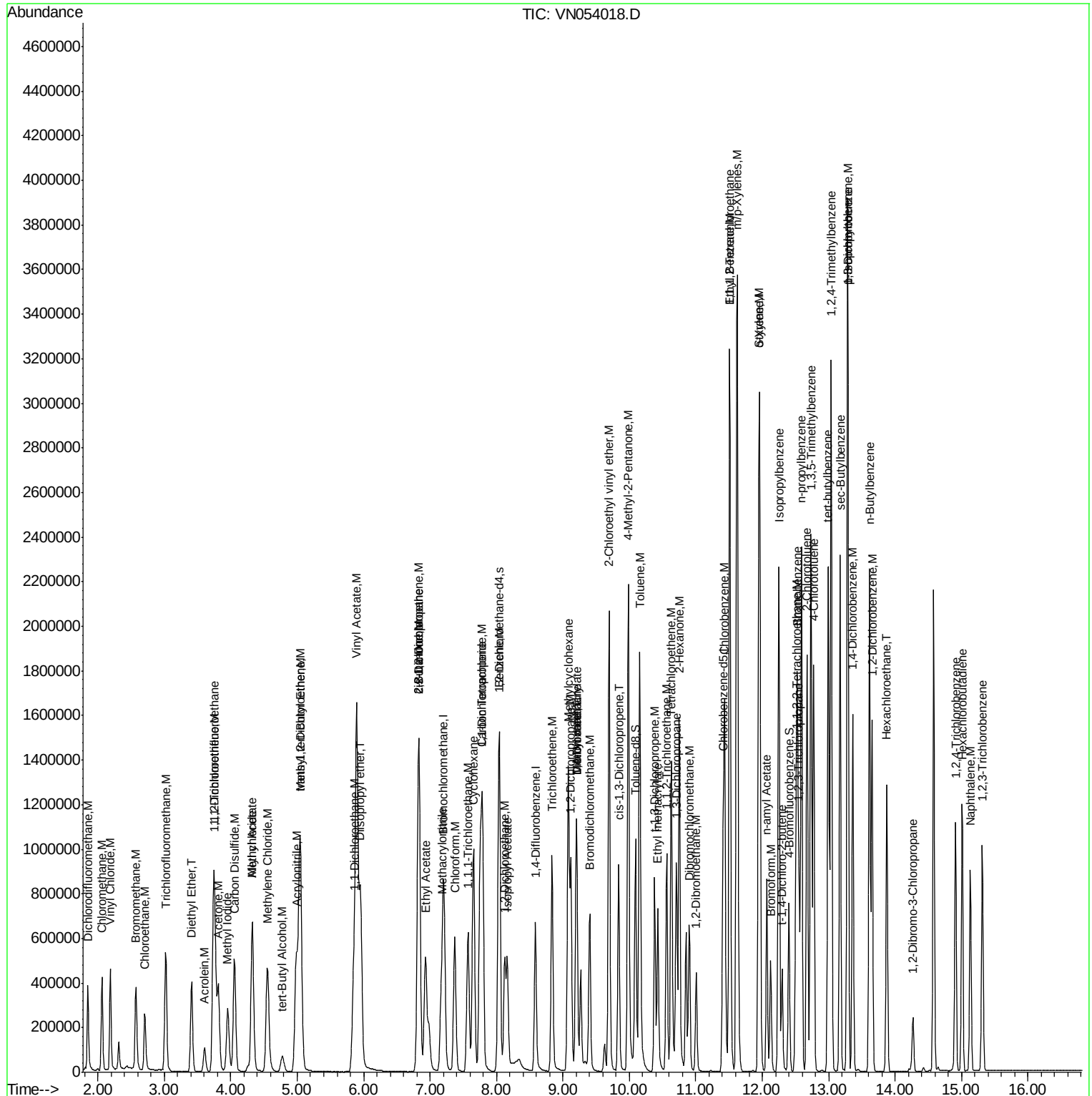
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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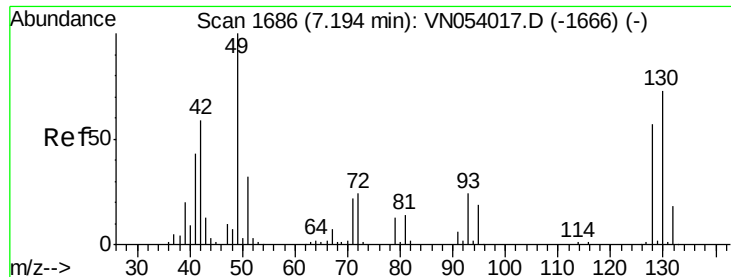
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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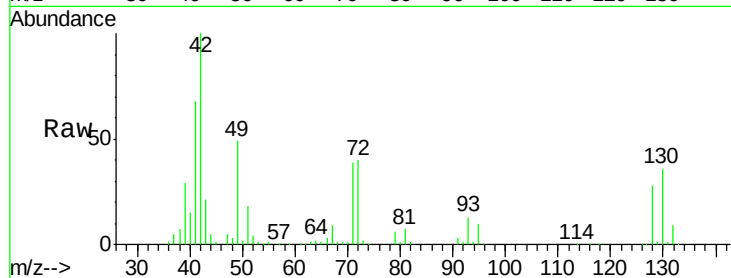




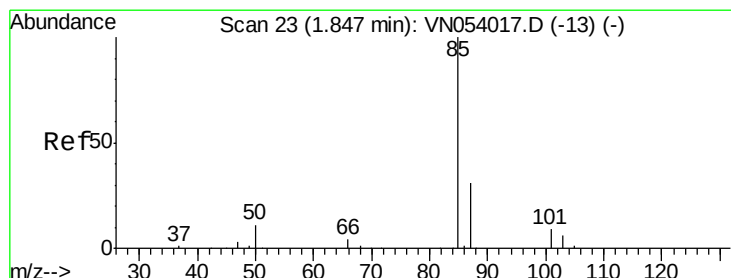
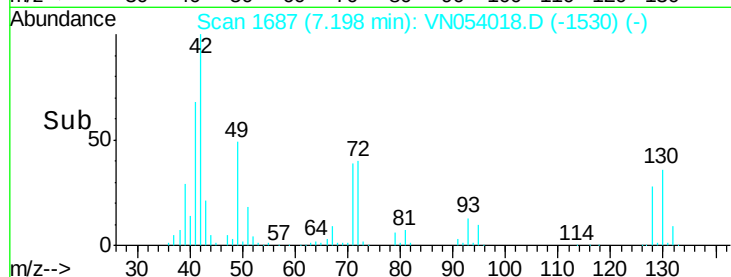
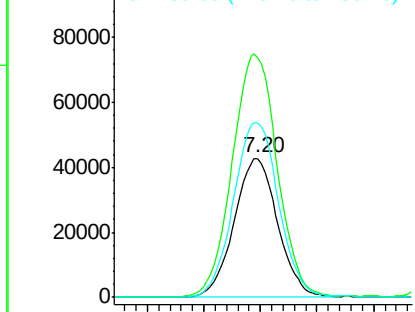
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:128 Resp: 114413
Ion Ratio Lower Upper
128 100
49 181.4 0.0 431.8
130 130.6 0.0 317.0

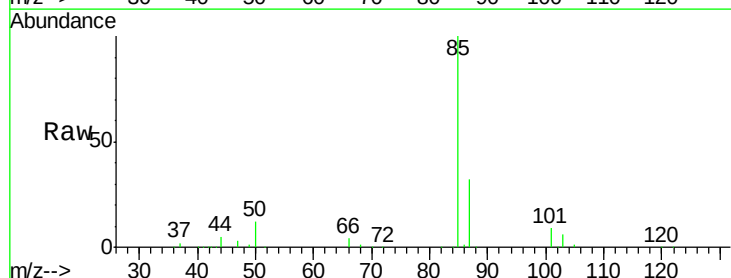


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

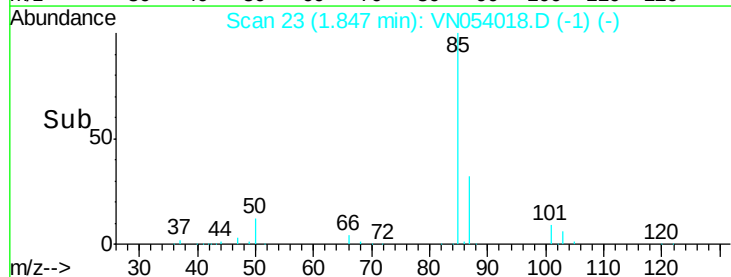
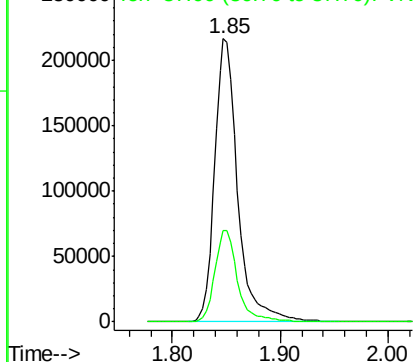


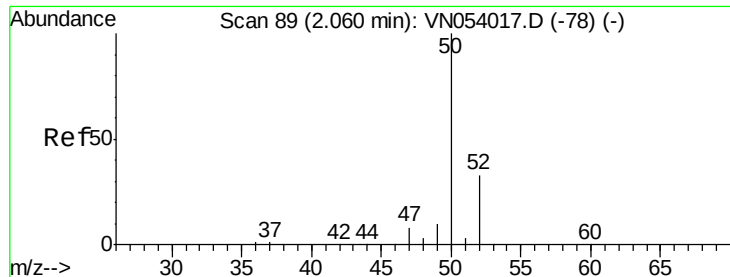
#2
Dichlorodifluoromethane
Concen: 49.630 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 85 Resp: 321059
Ion Ratio Lower Upper
85 100
87 32.3 16.1 48.3



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





#3

Chloromethane

Concen: 50.122 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

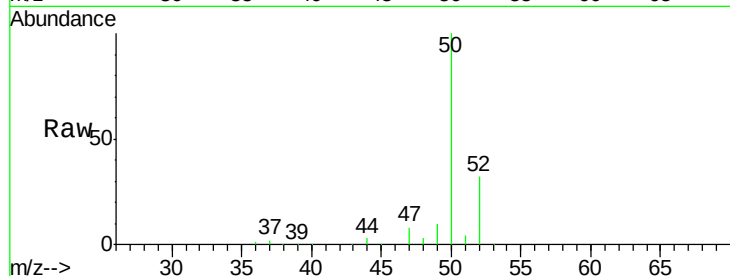
VSTDIC050

Tot Ion: 50 Resp: 431301

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

250000

200000

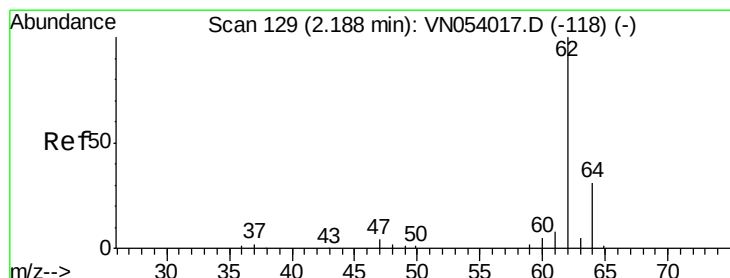
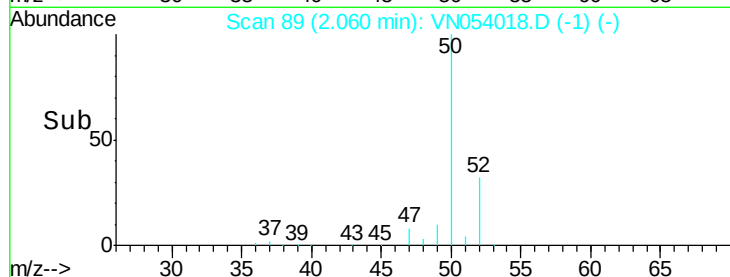
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.513 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054018.D

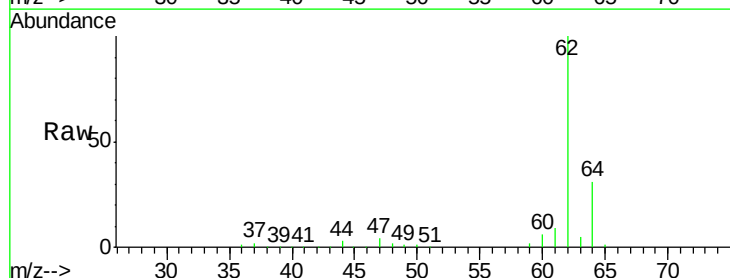
Acq: 1 Mar 2019 9:43

Tgt Ion: 62 Resp: 426644

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.19

300000

250000

200000

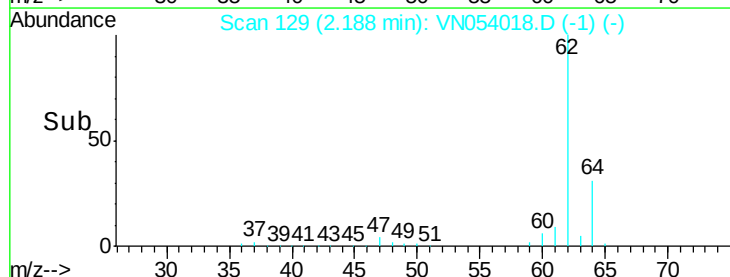
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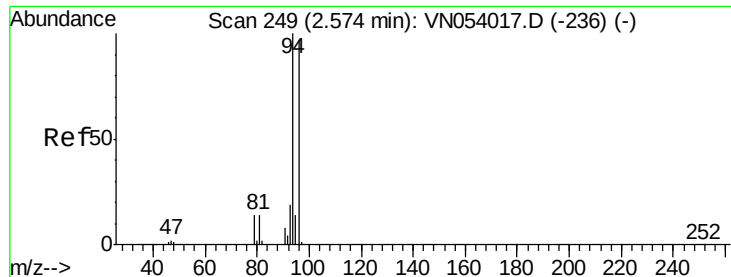
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.351 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

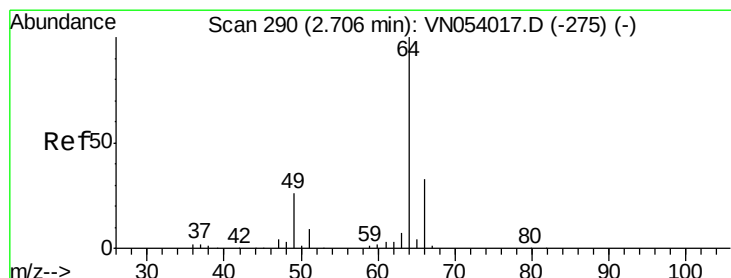
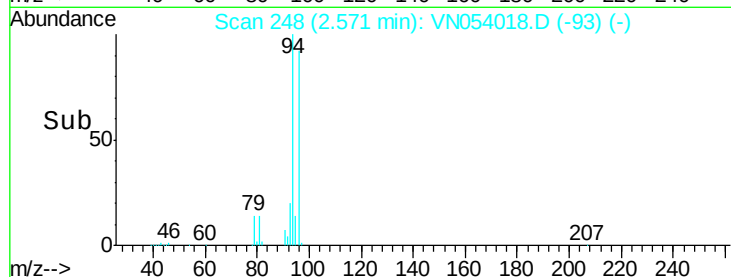
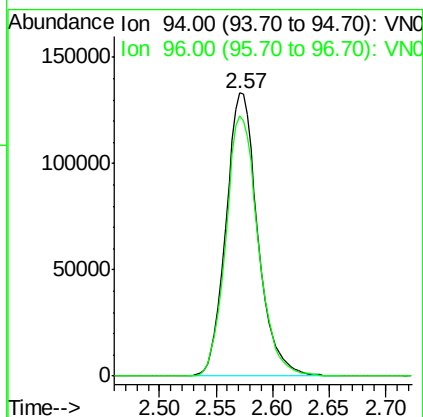
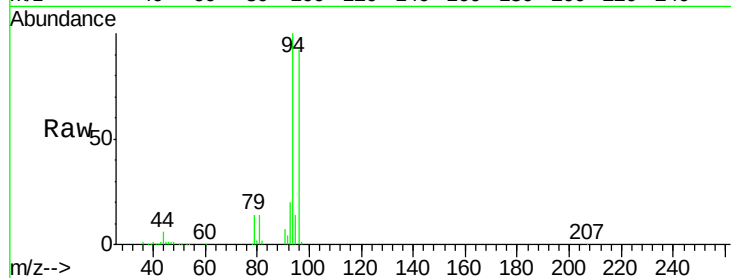
VSTDIC050

Tot Ion: 94 Resp: 261592

Ion Ratio Lower Upper

94 100

96 92.1 76.2 114.2



#6

Chloroethane

Concen: 49.736 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054018.D

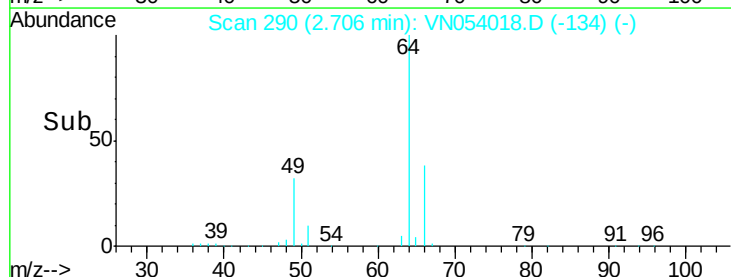
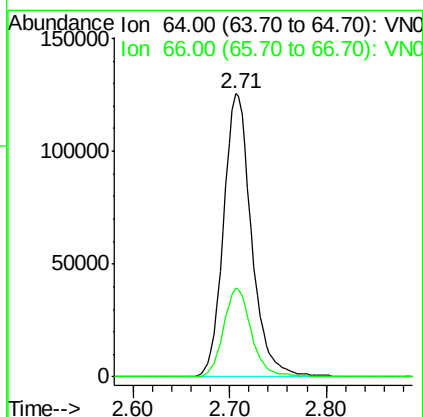
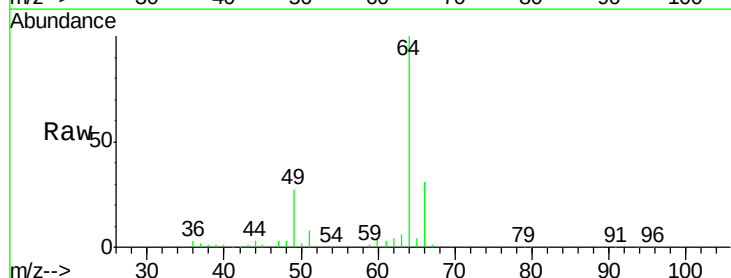
Acq: 1 Mar 2019 9:43

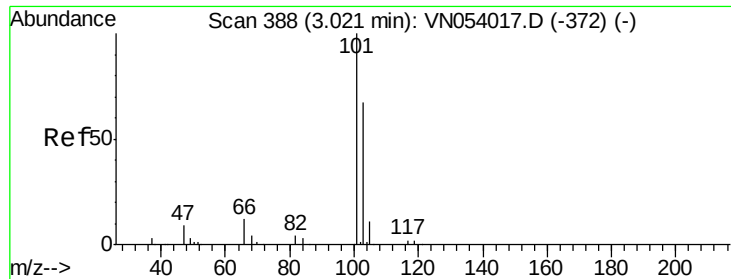
Tgt Ion: 64 Resp: 252326

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4



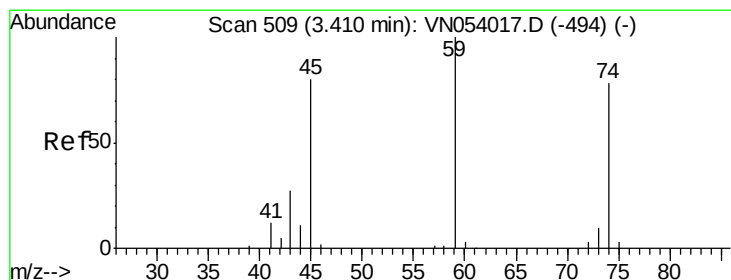
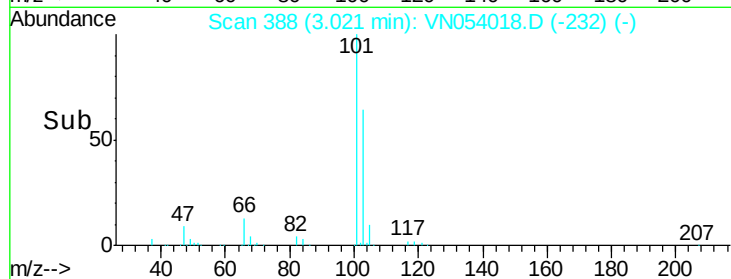
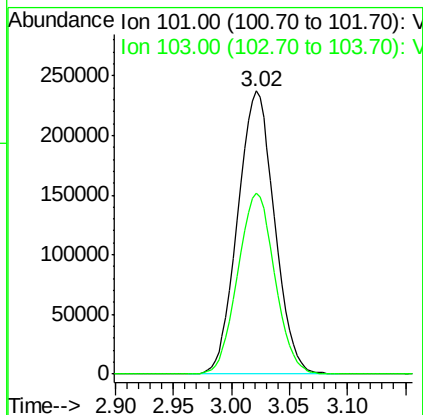
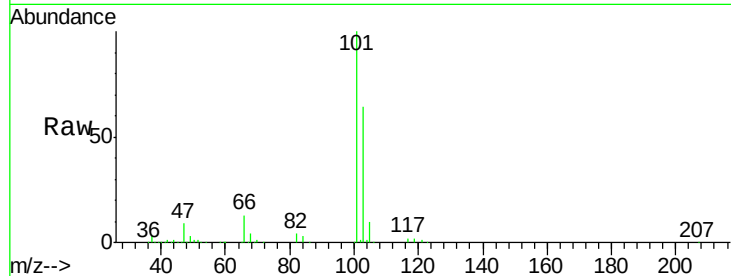


#7

Trichlorofluoromethane
 Concen: 50.026 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

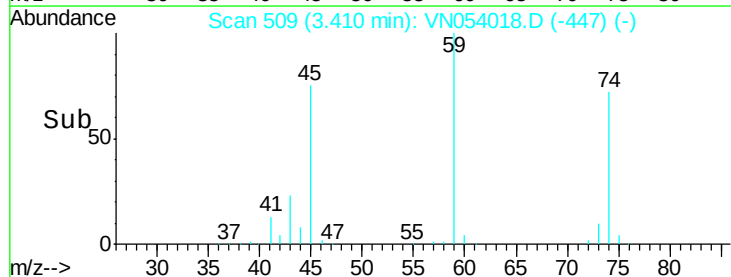
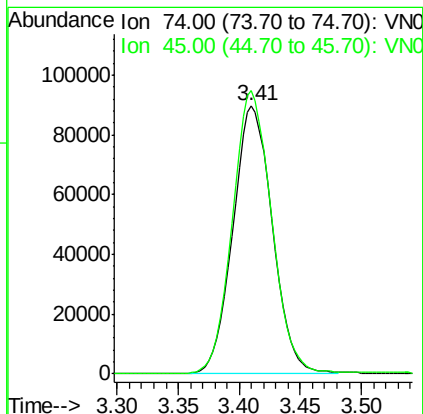
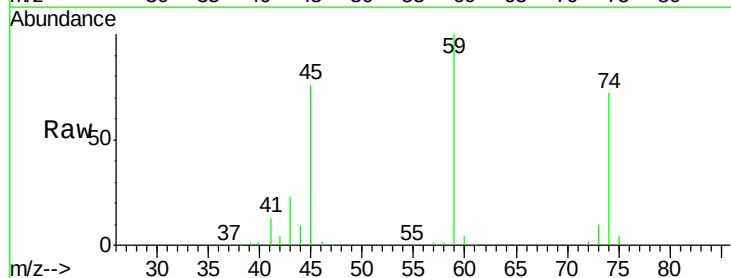
Tot Ion:101 Resp: 523741
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.1 78.1

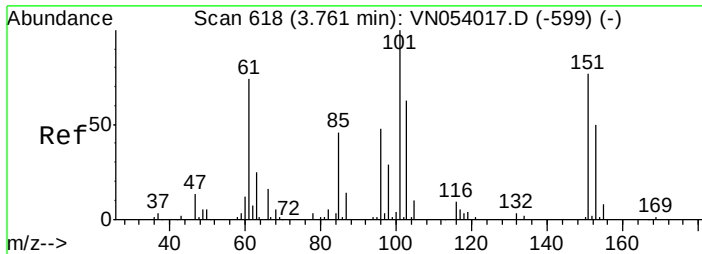


#8

Diethyl Ether
 Concen: 51.131 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 74 Resp: 201320
 Ion Ratio Lower Upper
 74 100
 45 104.2 20.6 185.8

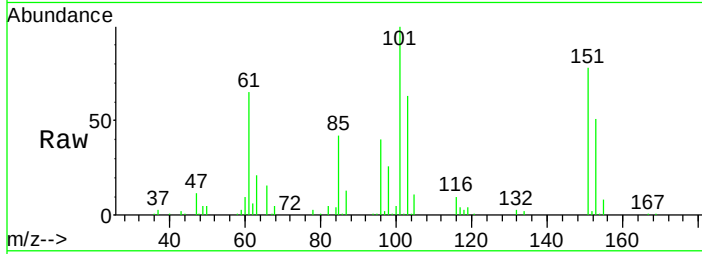




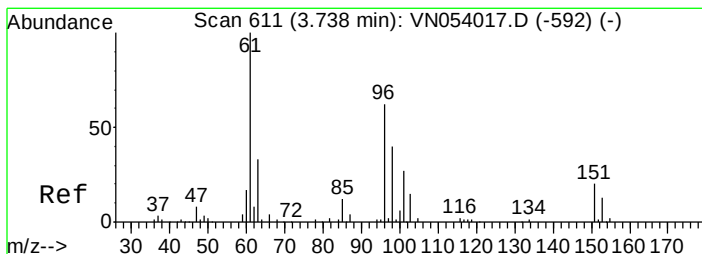
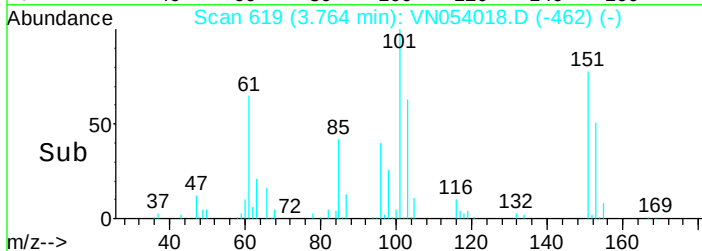
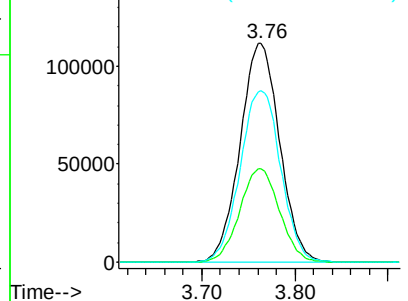
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.058 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:101 Resp: 330201
 Ion Ratio Lower Upper
 101 100
 85 42.9 0.0 82.6
 151 80.3 0.0 158.4

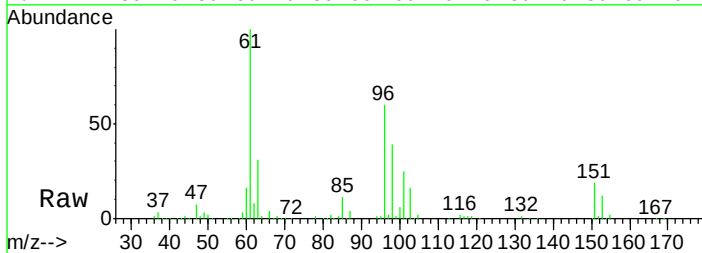


Abundance Ion 101.00 (100.70 to 101.70):
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70):

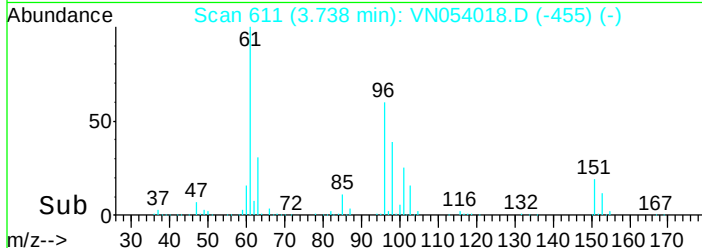
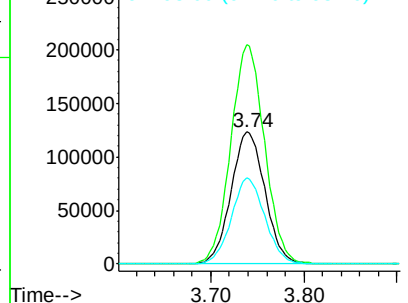


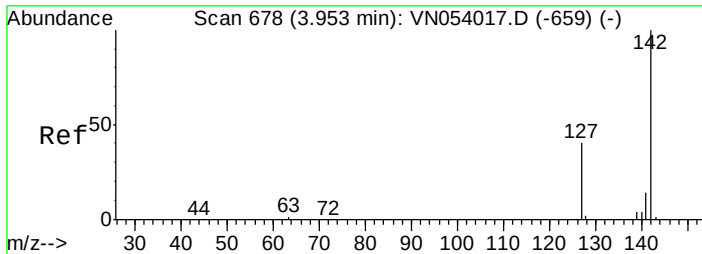
#10
 1,1-Dichloroethene
 Concen: 49.680 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 96 Resp: 313310
 Ion Ratio Lower Upper
 96 100



Abundance Ion 96.00 (95.70 to 96.30): VN
 Ion 61.00 (60.70 to 61.70): VN
 Ion 151.00 (150.70 to 151.70): VN

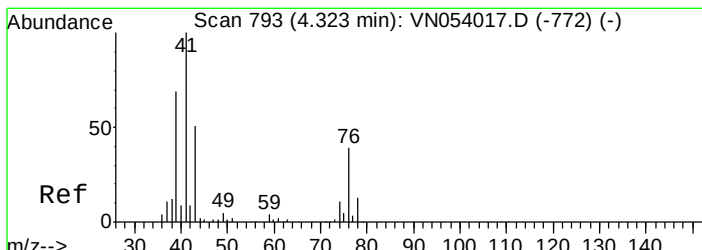
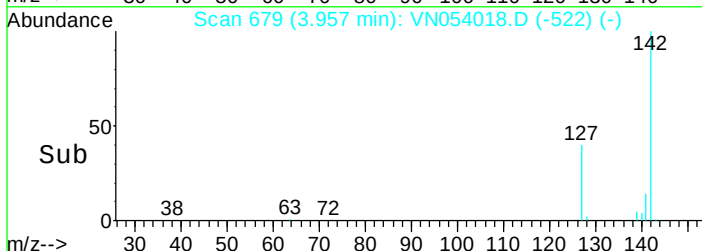
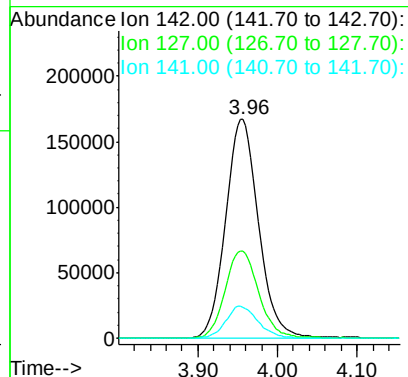
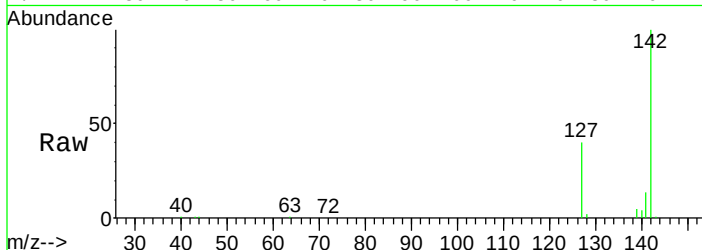




#11
Methyl Iodide
Concen: 51.327 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

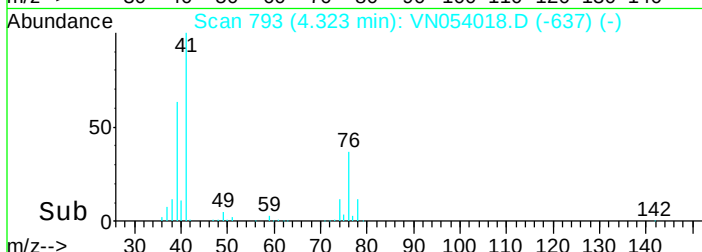
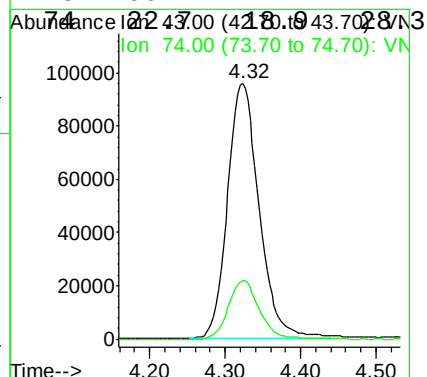
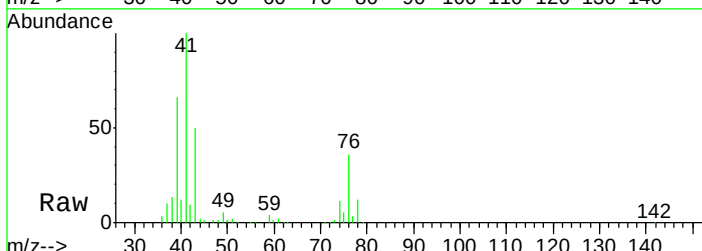
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

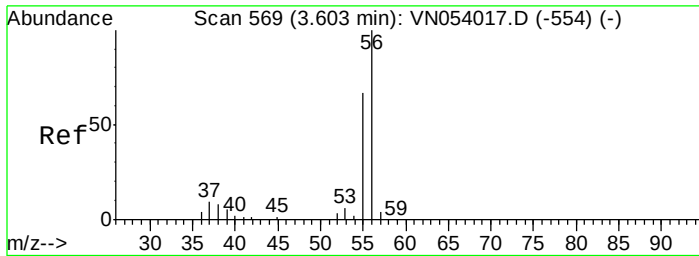
Tot Ion:142 Resp: 480137
Ion Ratio Lower Upper
142 100
127 39.7 19.4 58.1
141 14.2 7.2 21.6



#12
Methyl Acetate
Concen: 52.028 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 43 Resp: 276653
Ion Ratio Lower Upper
43 100





#13

Acrolein

Concen: 212.424 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

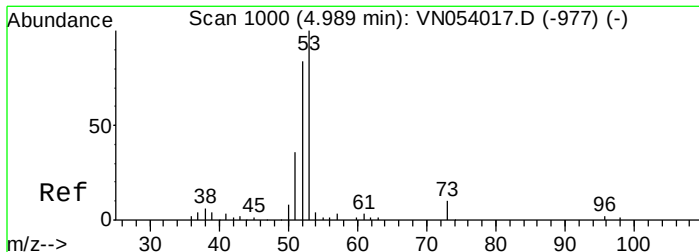
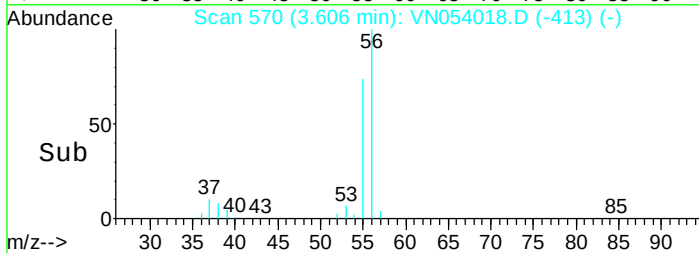
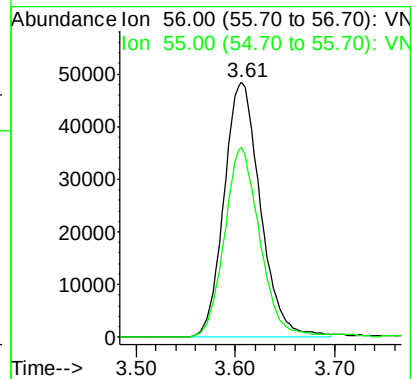
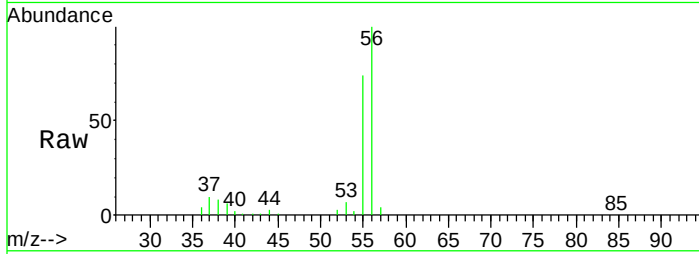
VSTDIC050

Tot Ion: 56 Resp: 122705

Ion Ratio Lower Upper

56 100

55 72.2 56.7 85.1



#14

Acrylonitrile

Concen: 265.159 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

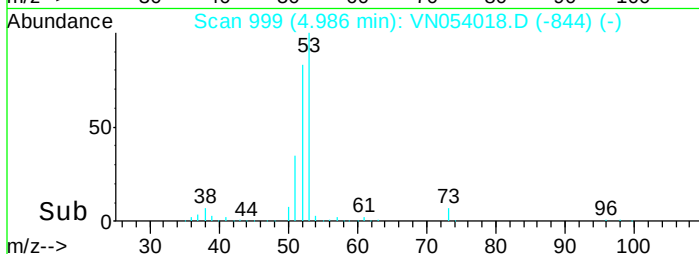
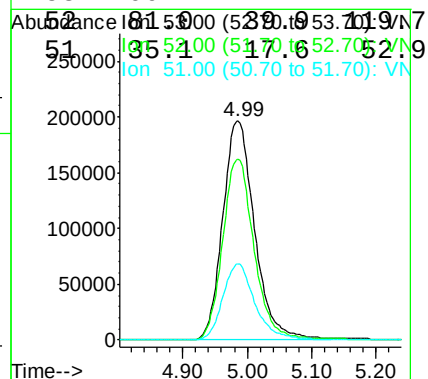
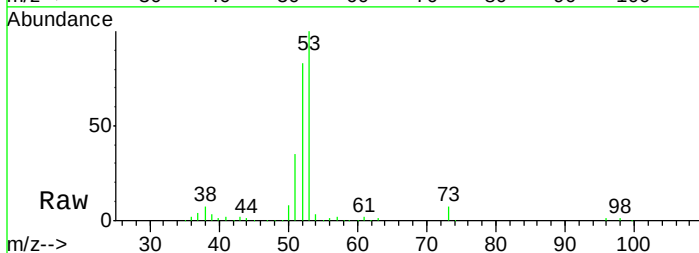
Tgt Ion: 53 Resp: 677538

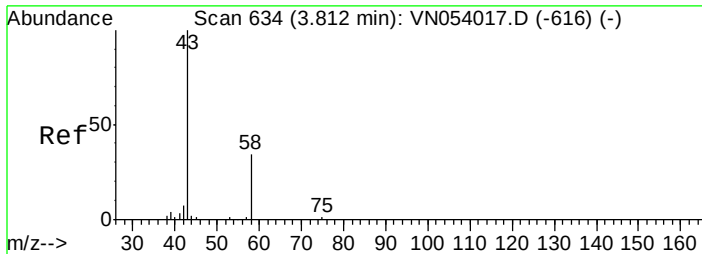
Ion Ratio Lower Upper

53 100

52 81.0 50.0 53.0 119.7

51 35.1 17.6 52.9

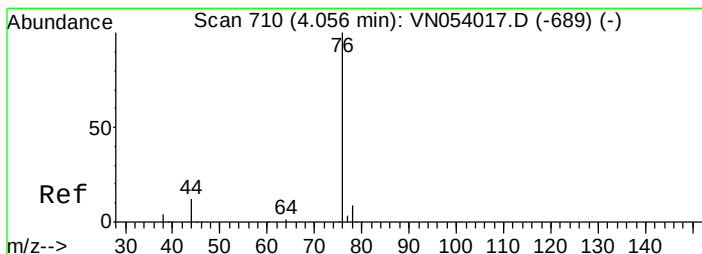
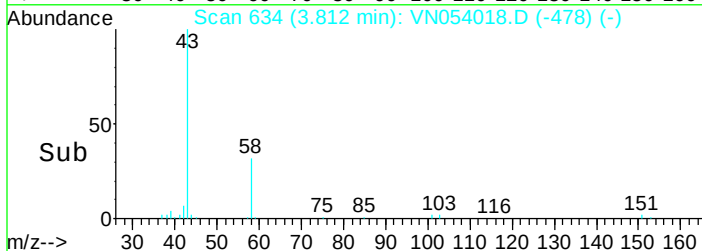
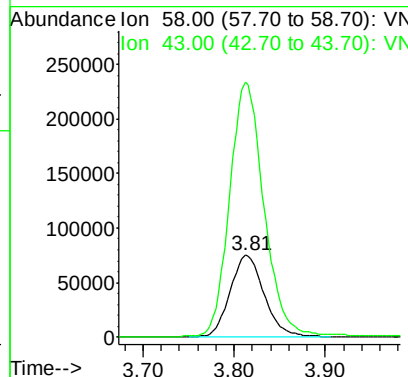
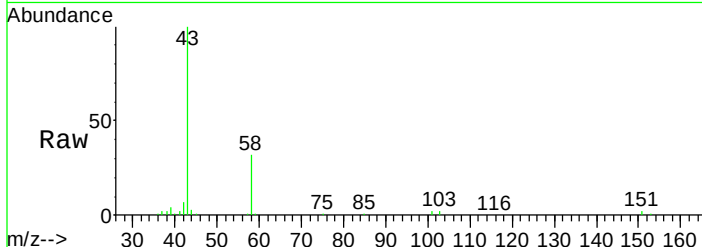




#15
Acetone
Concen: 263.552 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

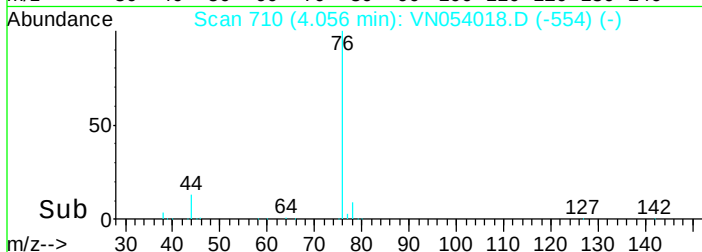
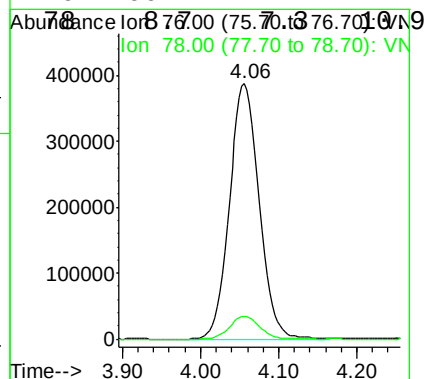
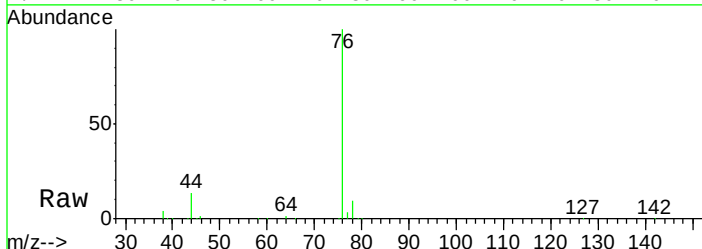
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

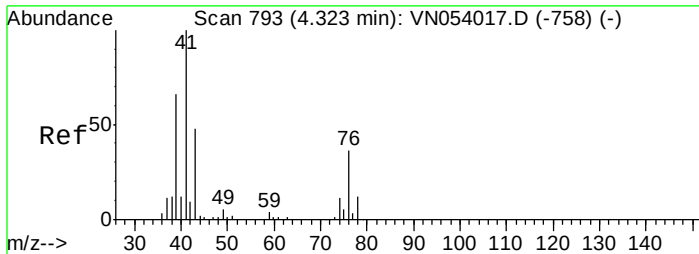
Tot Ion: 58 Resp: 194074
Ion Ratio Lower Upper
58 100
43 310.4 243.6 365.4



#16
Carbon Disulfide
Concen: 50.206 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 76 Resp: 1027284
Ion Ratio Lower Upper
76 100

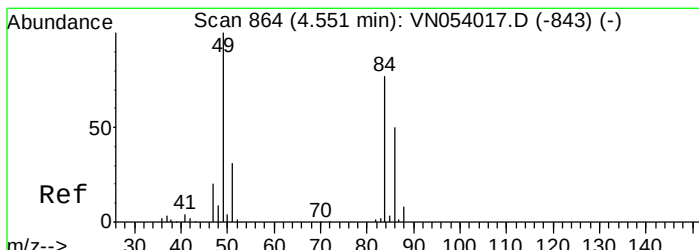
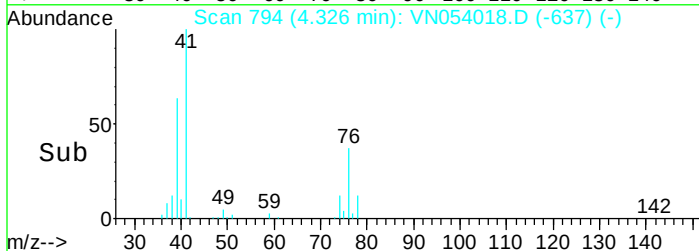
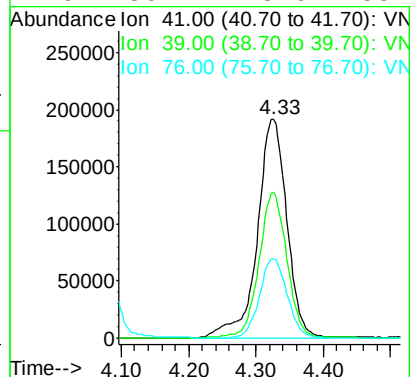
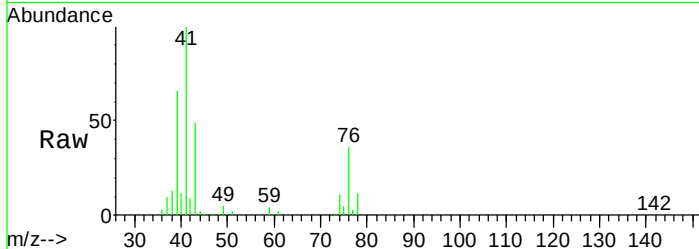




#17
 Allyl chloride
 Concen: 52.531 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

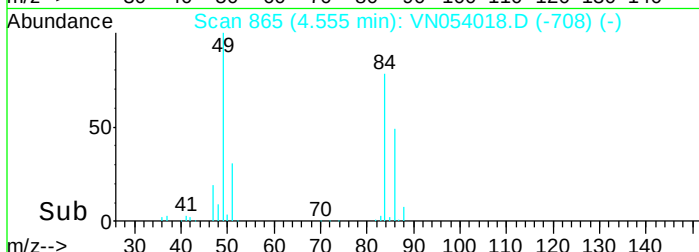
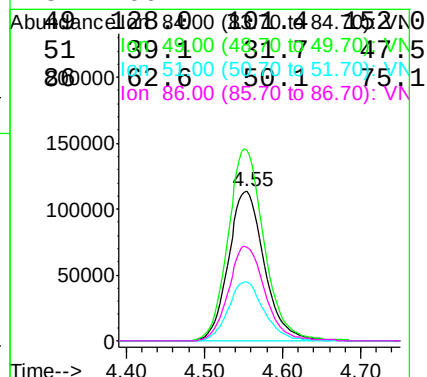
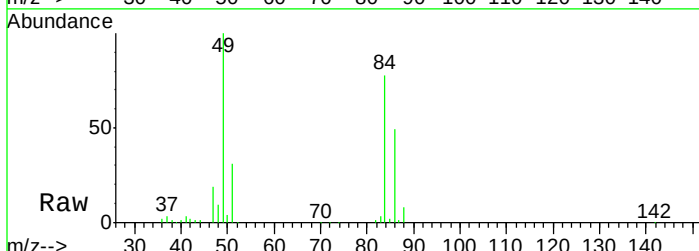
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

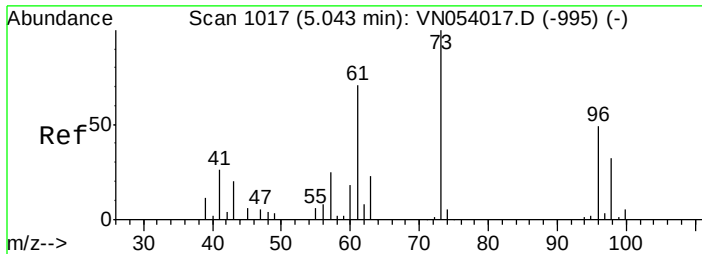
Tot Ion: 41 Resp: 585887
 Ion Ratio Lower Upper
 41 100
 39 66.3 32.8 98.3
 76 36.2 18.6 55.8



#18
 Methylene Chloride
 Concen: 50.025 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 84 Resp: 364299
 Ion Ratio Lower Upper
 84 100



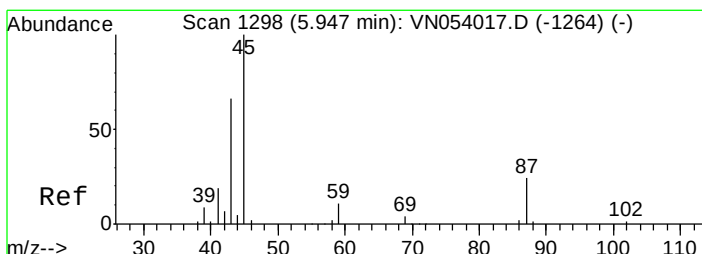
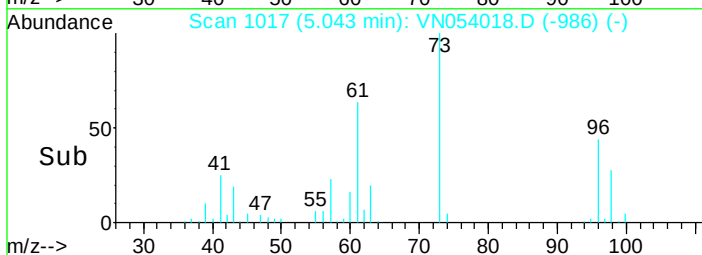
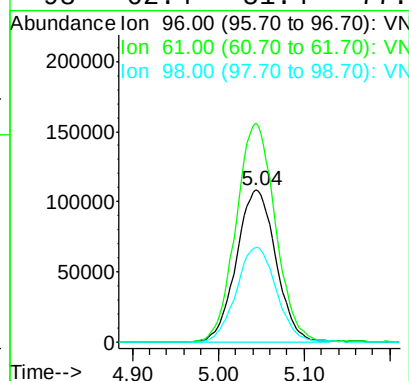
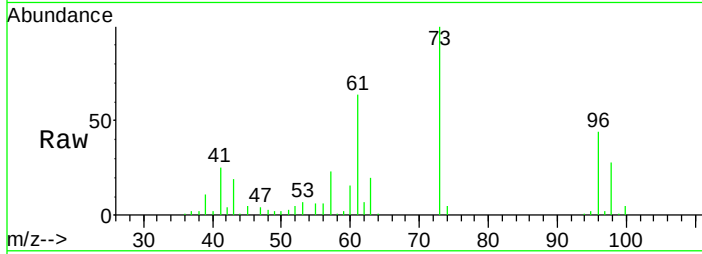


#19
trans-1,2-Dichloroethene
Concen: 50.748 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 347205

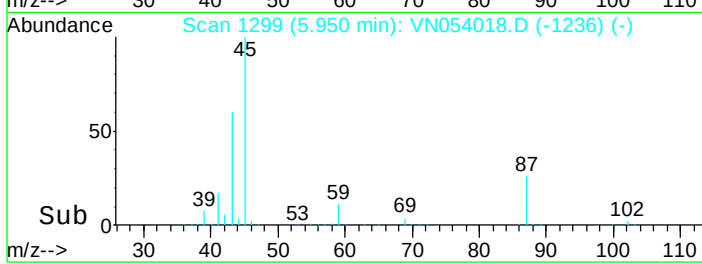
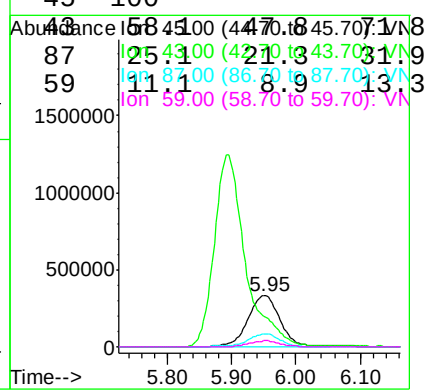
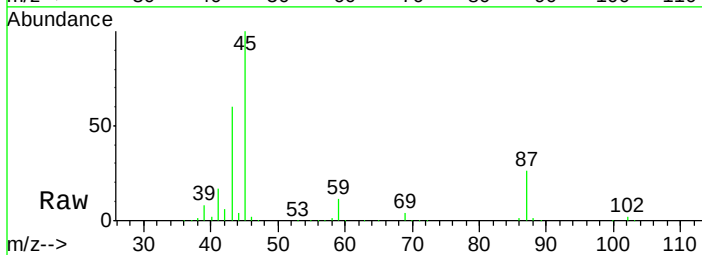
Ion	Ratio	Lower	Upper
96	100		
61	143.9	118.2	177.4
98	62.4	51.4	77.2

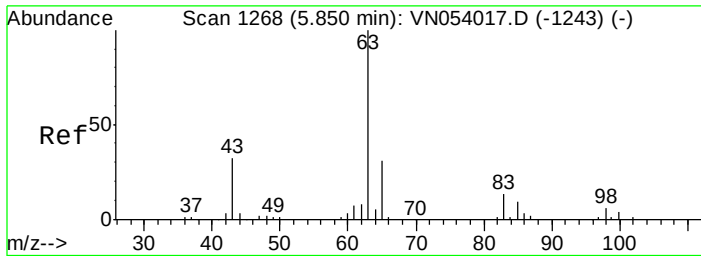


#20
Diisopropyl ether
Concen: 51.801 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 45 Resp: 1155737

Ion	Ratio	Lower	Upper
45	100		

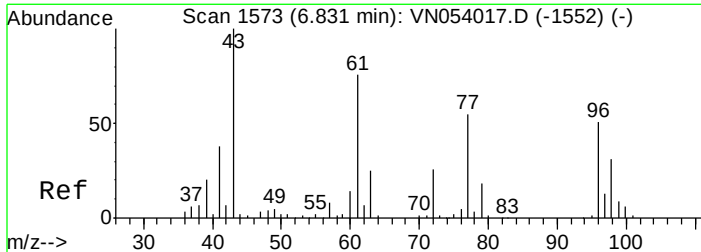
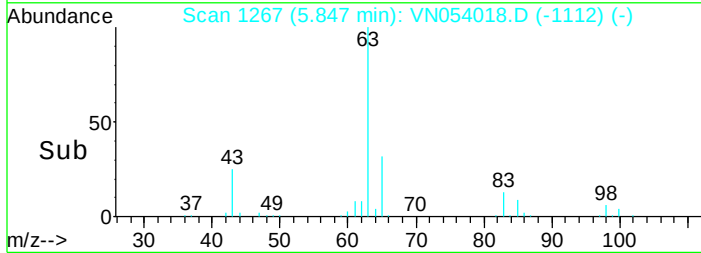
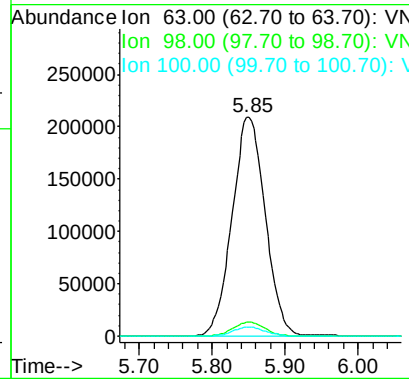
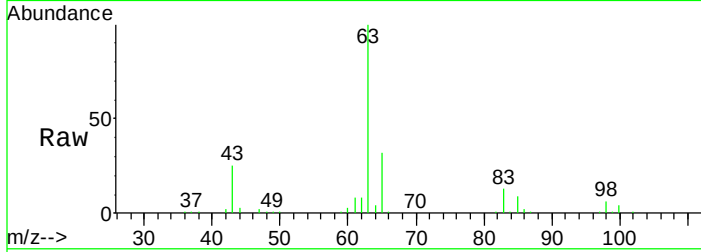




#21
 1,1-Dichloroethane
 Concen: 50.302 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

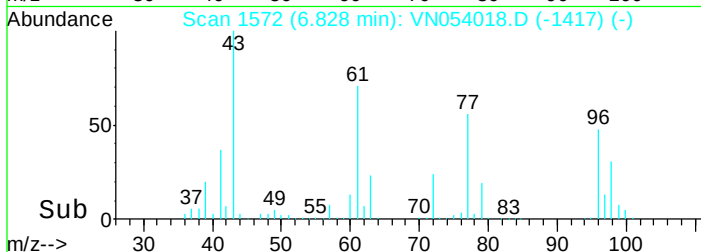
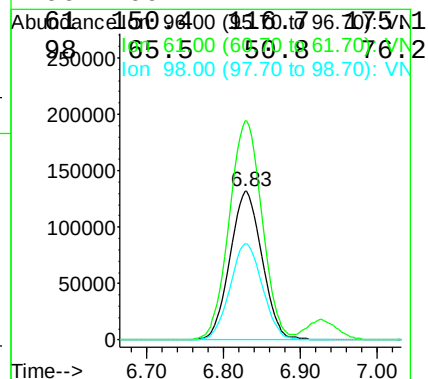
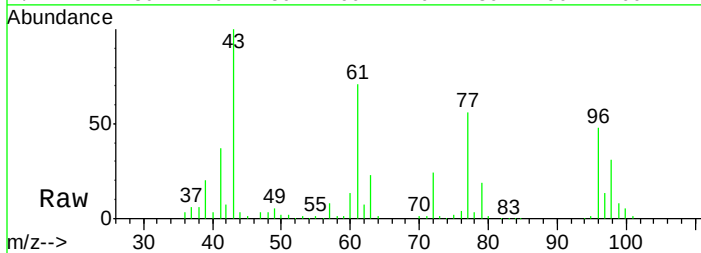
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

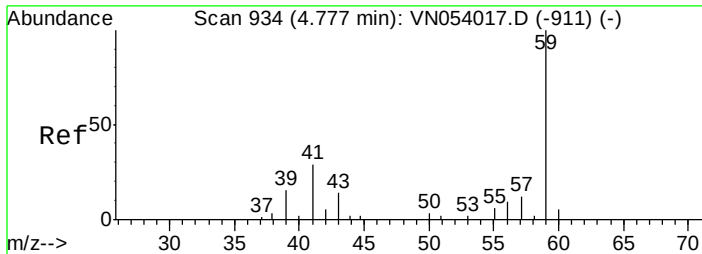
Tot Ion: 63 Resp: 662805
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 3.9 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 50.619 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 96 Resp: 385546
 Ion Ratio Lower Upper
 96 100

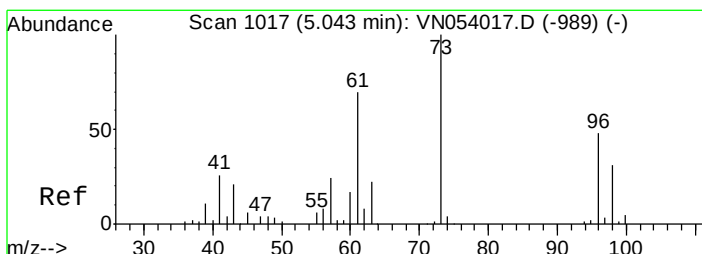
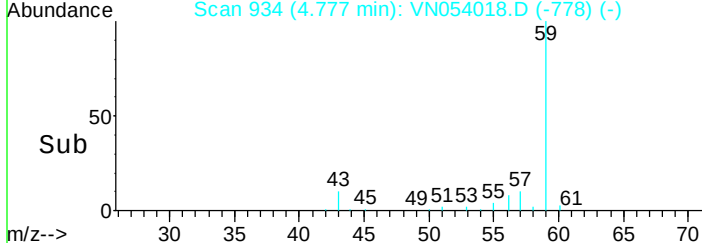
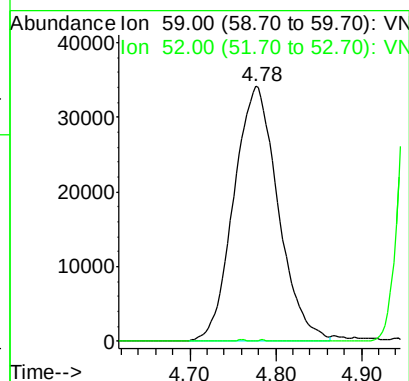
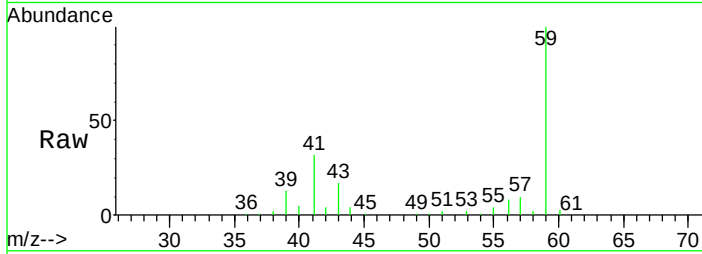




#23
 tert-Butyl Alcohol
 Concen: 267.119 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

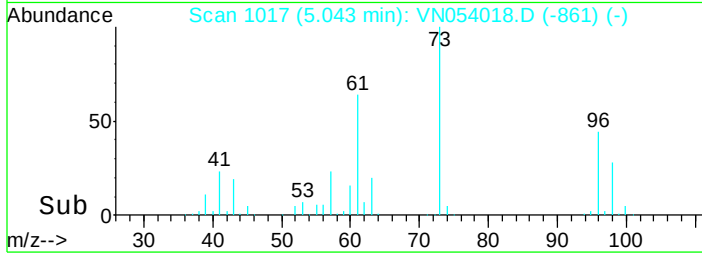
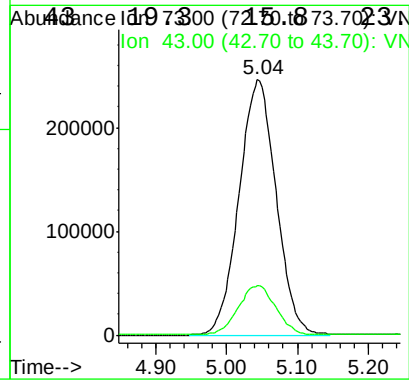
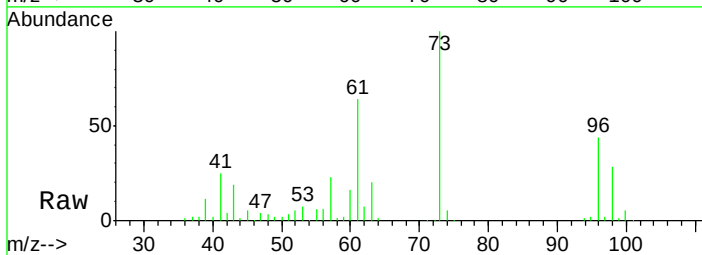
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

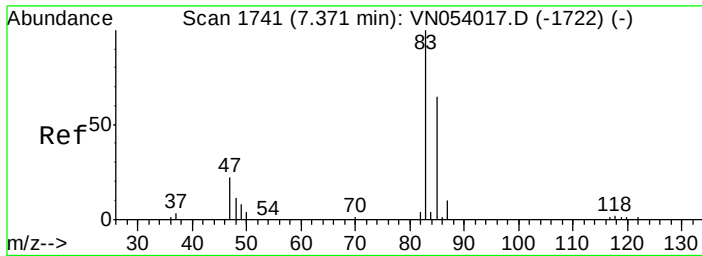
Tot Ion: 59 Resp: 122252
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#



#24
 Methyl tert-Butyl Ether
 Concen: 52.577 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 73 Resp: 897627
 Ion Ratio Lower Upper
 73 100

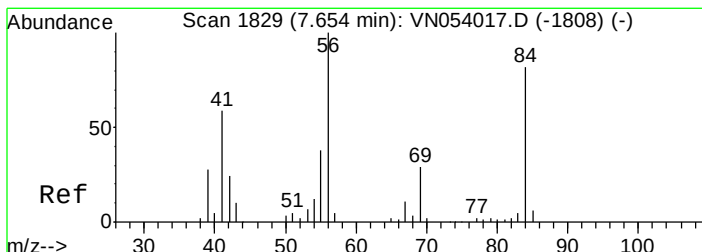
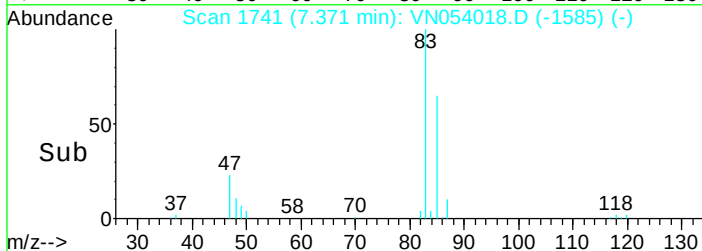
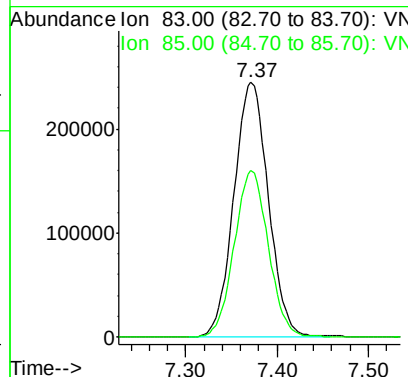
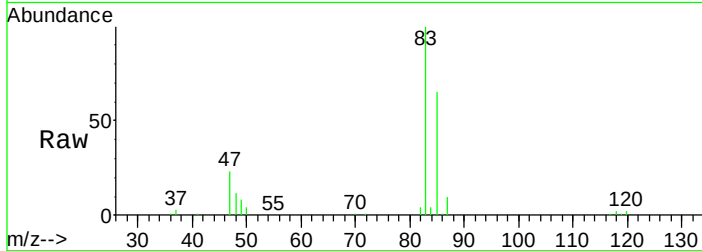




#25
Chloroform
Concen: 50.445 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

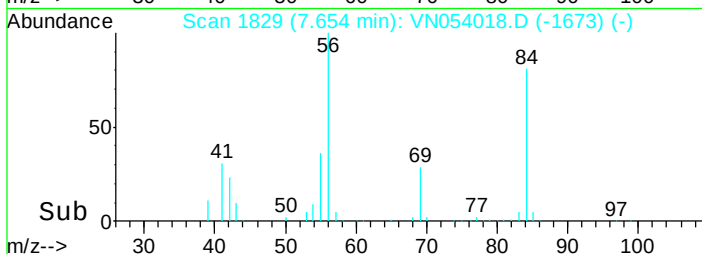
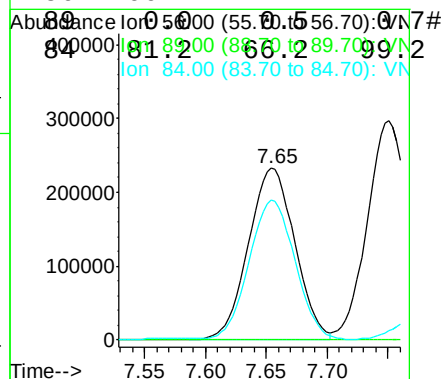
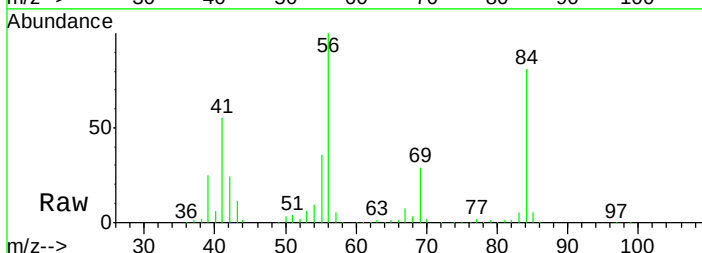
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

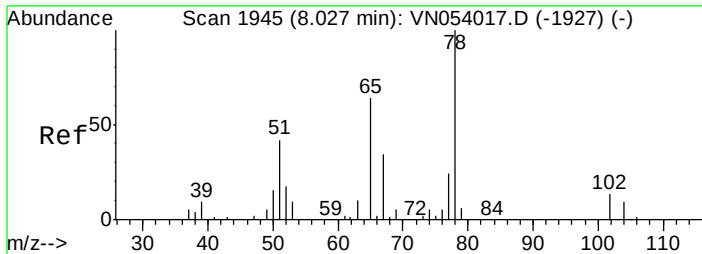
Tot Ion: 83 Resp: 641333
Ion Ratio Lower Upper
83 100
85 65.3 51.7 77.5



#26
Cyclohexane
Concen: 51.609 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 56 Resp: 618882
Ion Ratio Lower Upper
56 100

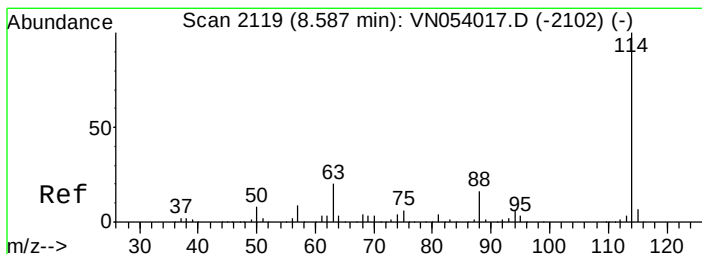
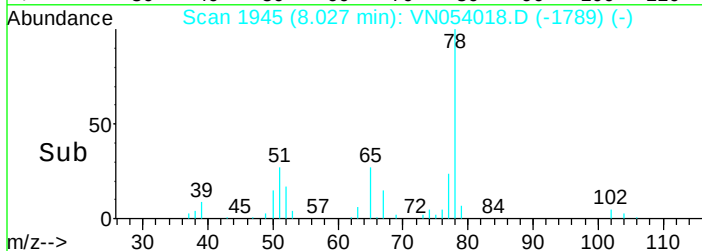
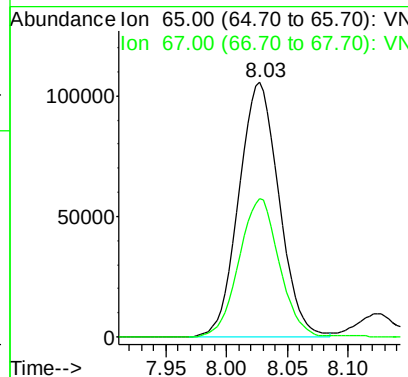
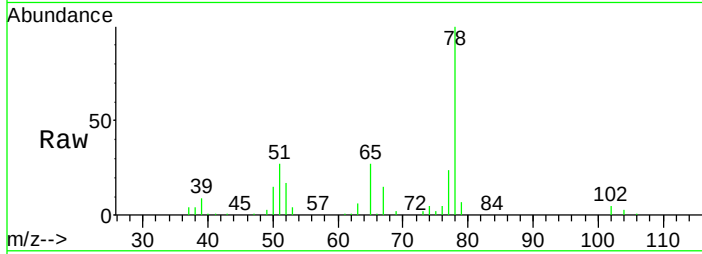




#27
 1,2-Dichloroethane-d4
 Concen: 51.609 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

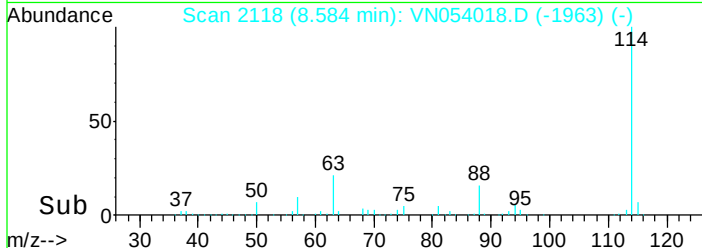
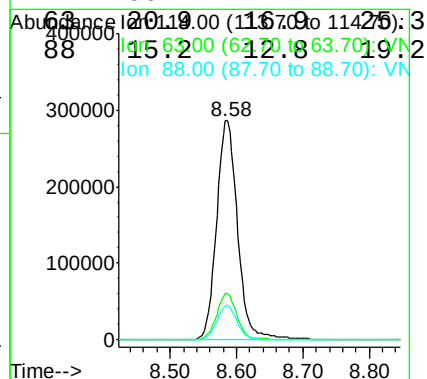
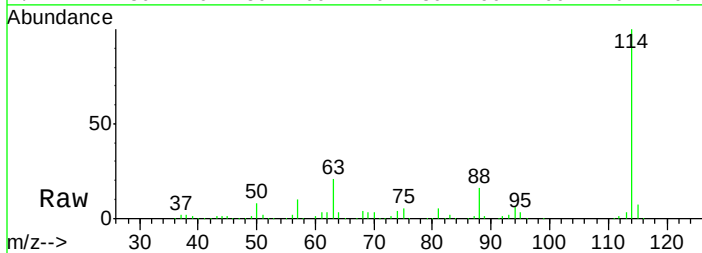
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

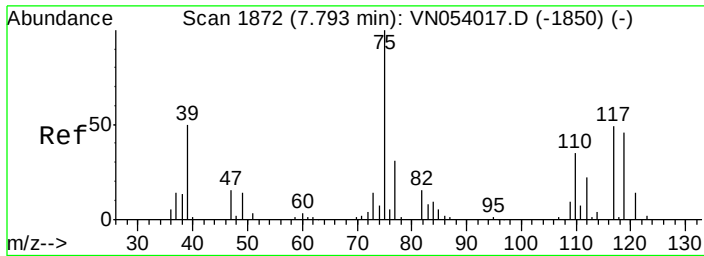
Tot Ion: 65 Resp: 245112
 Ion Ratio Lower Upper
 65 100
 67 54.3 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 114 Resp: 633359
 Ion Ratio Lower Upper
 114 100

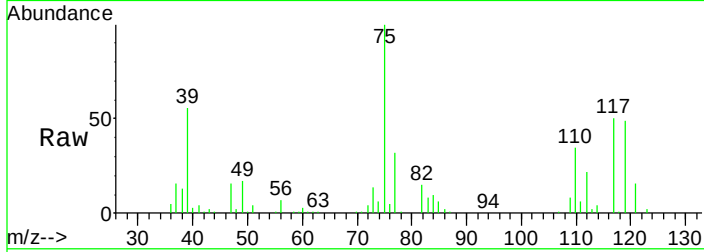




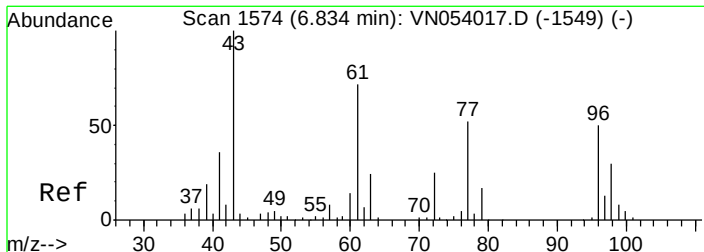
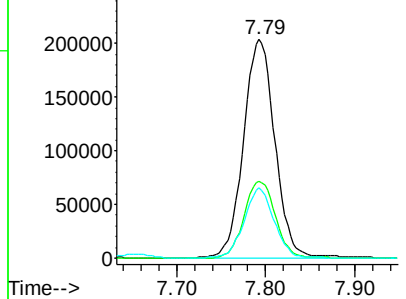
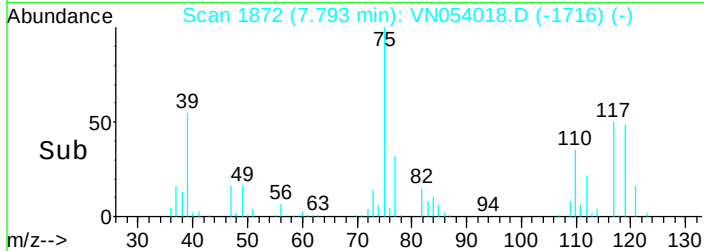
#29
 1,1-Dichloropropene
 Concen: 50.306 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 75 Resp: 499078
 Ion Ratio Lower Upper
 75 100
 110 35.4 0.0 70.2
 77 30.6 0.0 62.6

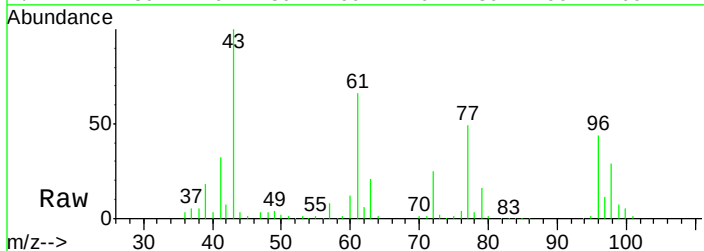


Abundance Ion 75.00 (74.70 to 75.70): VN
 Ion 110.00 (109.70 to 110.70): VN
 Ion 77.00 (76.70 to 77.70): VN

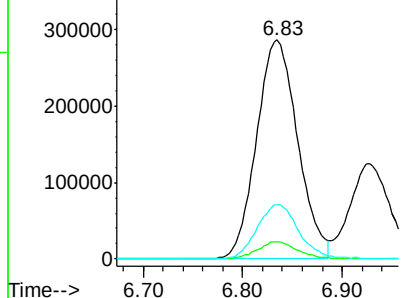
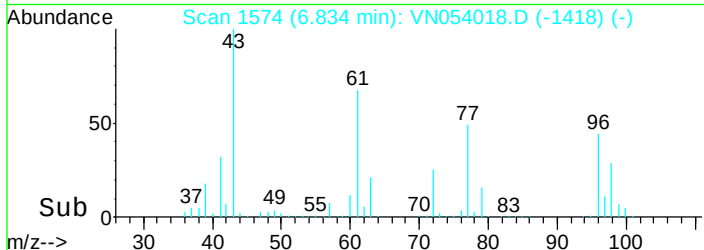


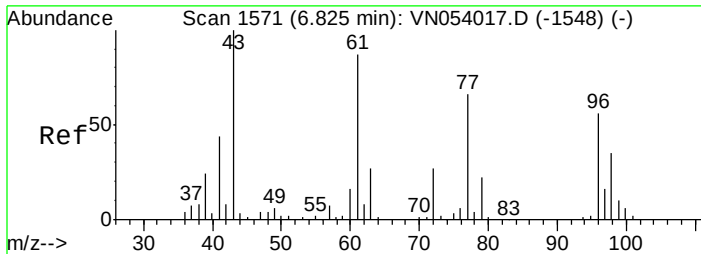
#30
 2-Butanone
 Concen: 261.872 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 43 Resp: 820283
 Ion Ratio Lower Upper
 43 100



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 57.00 (56.70 to 57.70): VN
 Ion 72.00 (71.70 to 72.70): VN

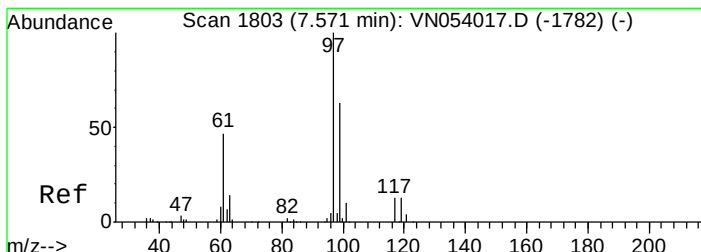
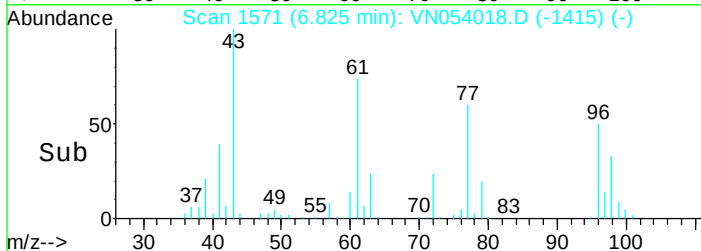
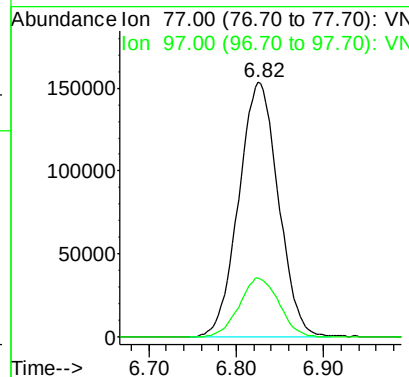
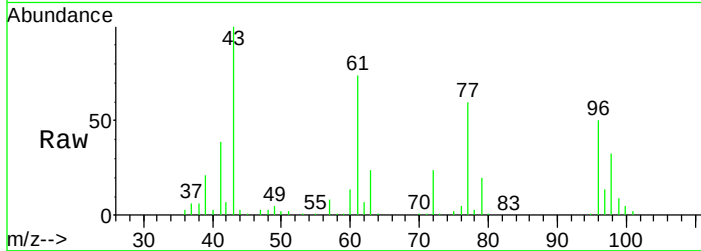




#31
 2,2-Dichloropropane
 Concen: 49.622 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

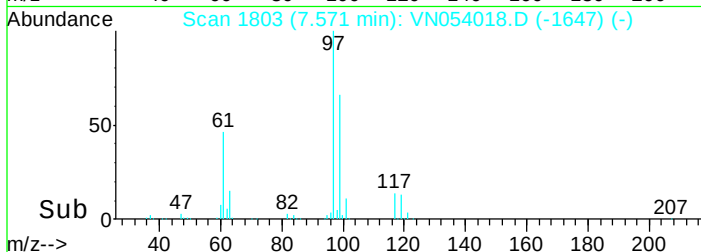
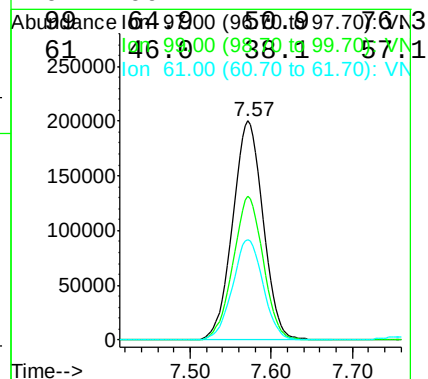
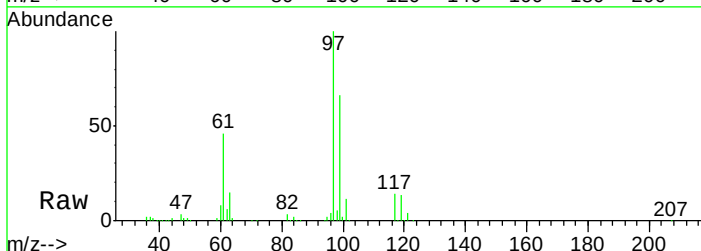
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

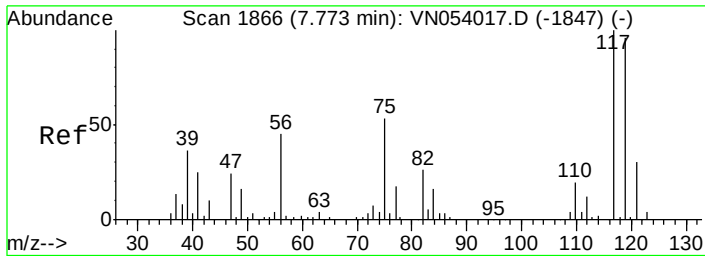
Tot Ion: 77 Resp: 485420
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 49.742 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 97 Resp: 530786
 Ion Ratio Lower Upper
 97 100





#33

Carbon Tetrachloride

Concen: 49.504 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

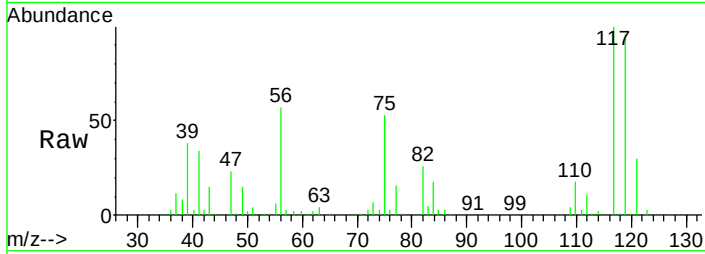
Tot Ion:117 Resp: 467721

Ion Ratio Lower Upper

117 100

119 95.7 77.3 115.9

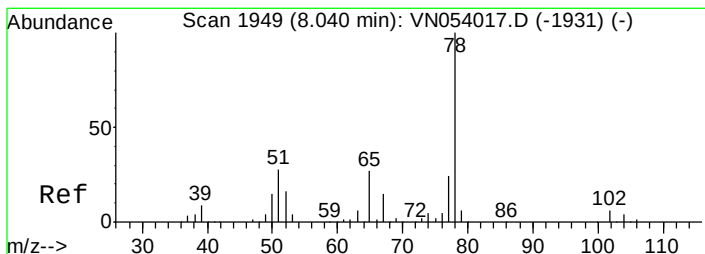
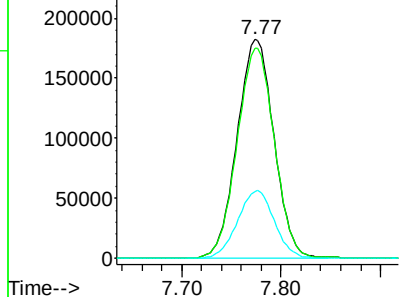
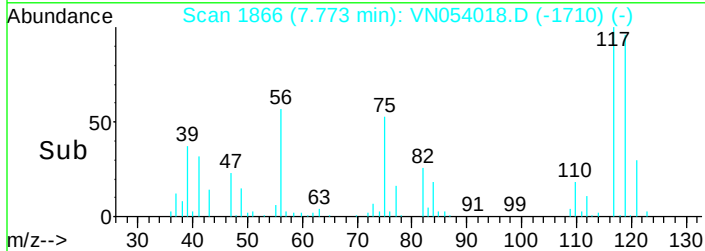
121 30.2 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70):

Ion 119.00 (118.70 to 119.70):

Ion 121.00 (120.70 to 121.70):



#34

Benzene

Concen: 50.166 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

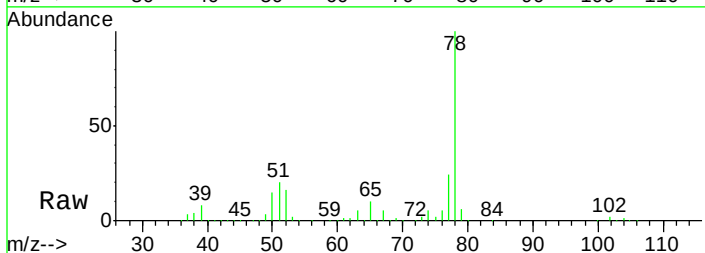
Tgt Ion: 78 Resp: 1479099

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

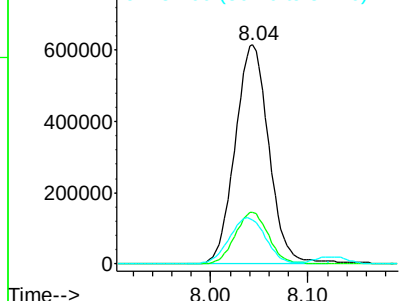
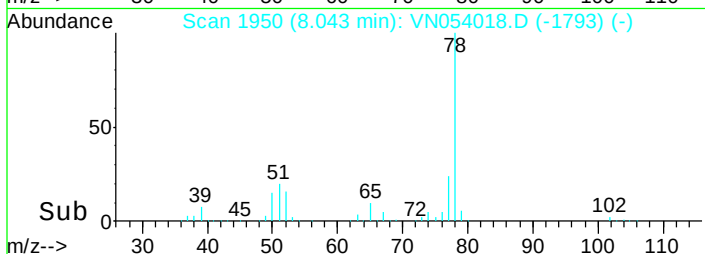
51 20.1 20.5 30.7

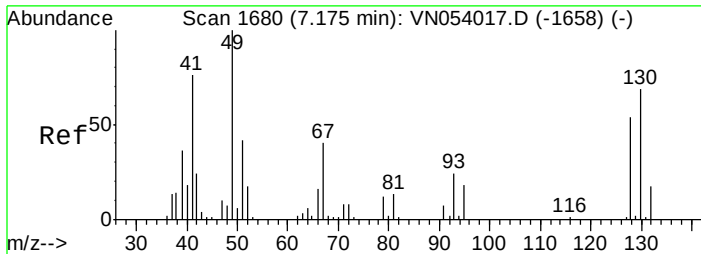


Abundance Ion 78.00 (77.70 to 78.30):

Ion 77.00 (76.70 to 77.70):

Ion 51.00 (50.70 to 51.70):

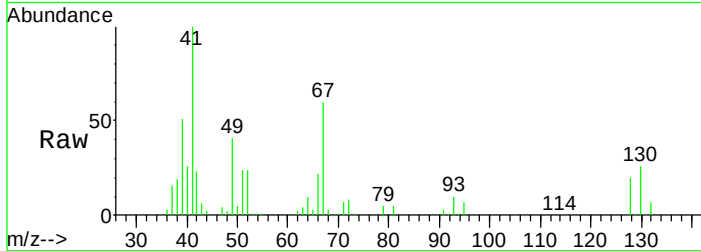




#35
Methacrylonitrile
Concen: 48.610 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

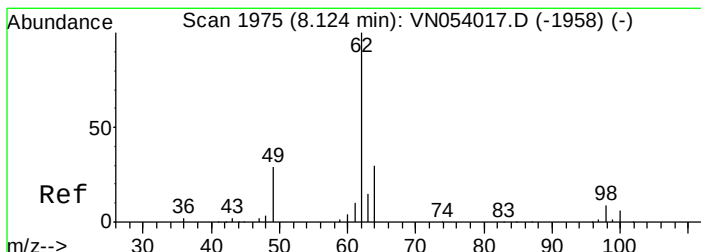
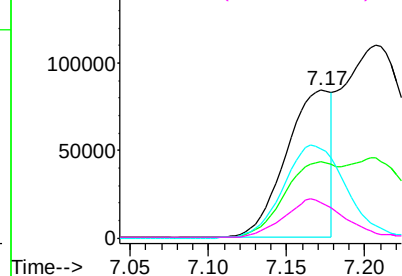
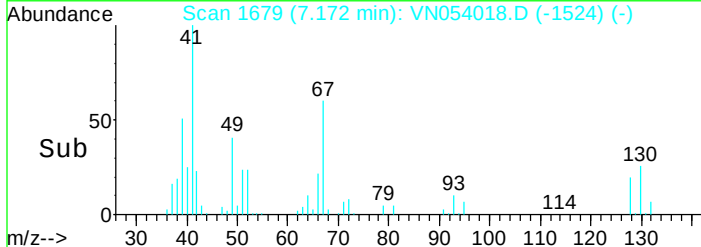
Tot Ion: 41 Resp: 170255
Ion Ratio Lower Upper
41 100
39 51.3 26.6 79.7
67 60.5 32.3 96.9



Abundance

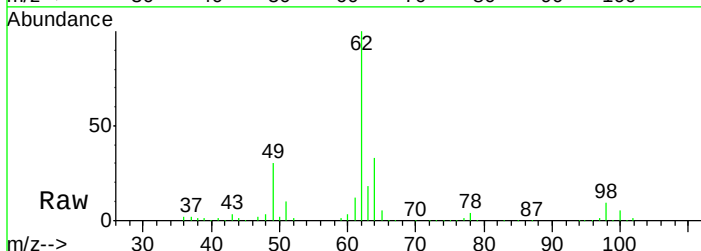
Scan 1679 (7.172 min): VN054018.D (-1524) (-)

Ion 39.00 (38.70 to 39.70): VN
Ion 67.00 (66.70 to 67.70): VN
Ion 52.00 (51.70 to 52.70): VN



#36
1,2-Dichloroethane
Concen: 49.131 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

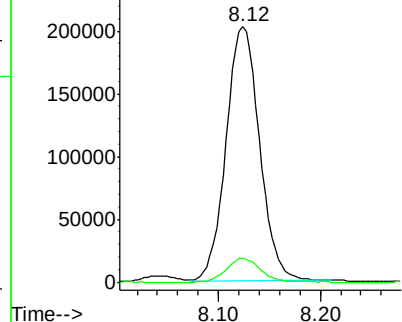
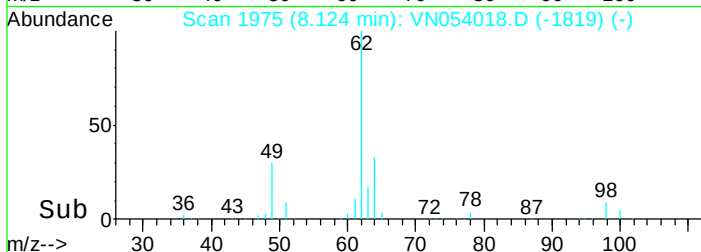
Tgt Ion: 62 Resp: 465154
Ion Ratio Lower Upper
62 100

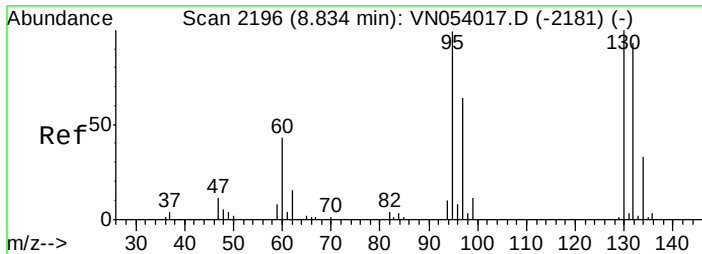


Abundance

Scan 1975 (8.124 min): VN054018.D (-1819) (-)

Ion 98.00 (97.70 to 98.70): VN

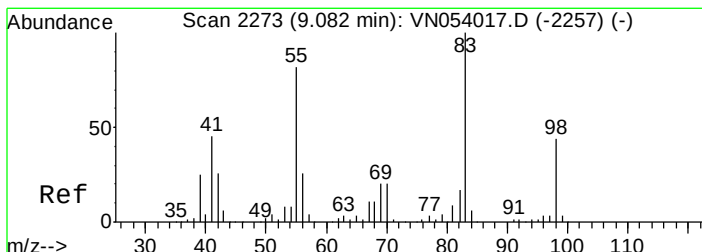
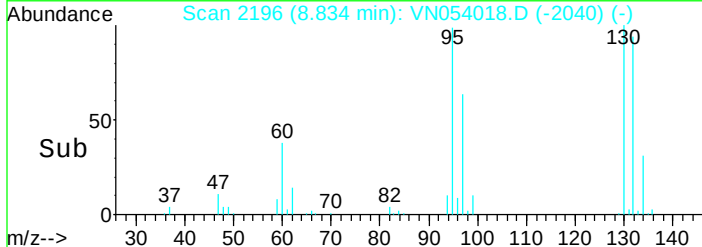
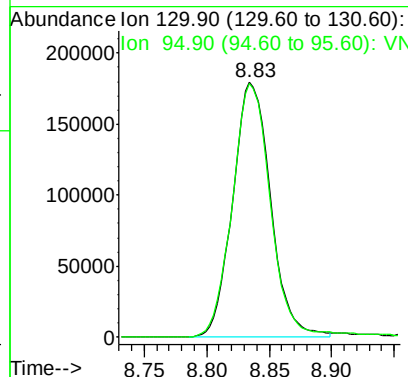
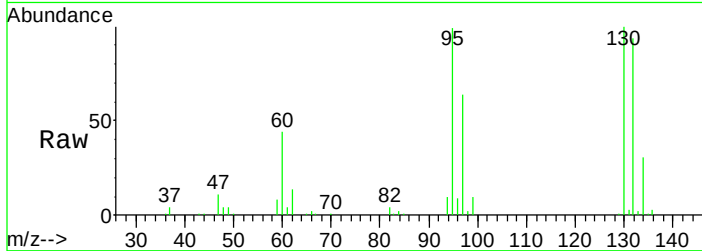




#37
 Trichloroethene
 Concen: 49.281 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

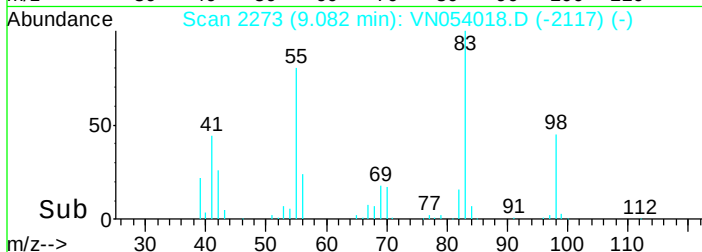
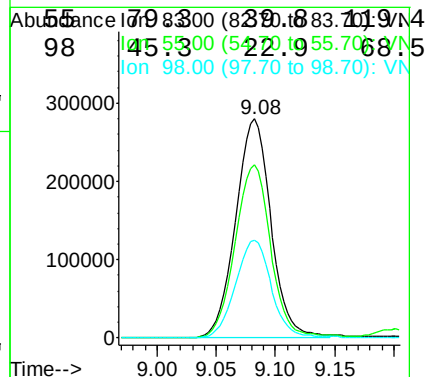
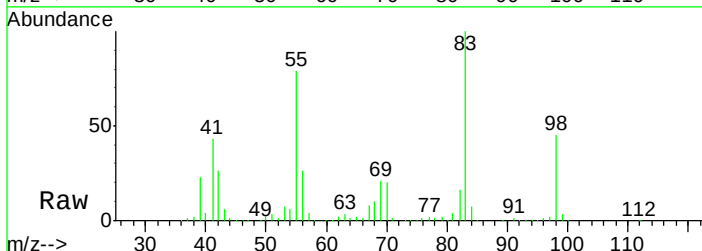
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

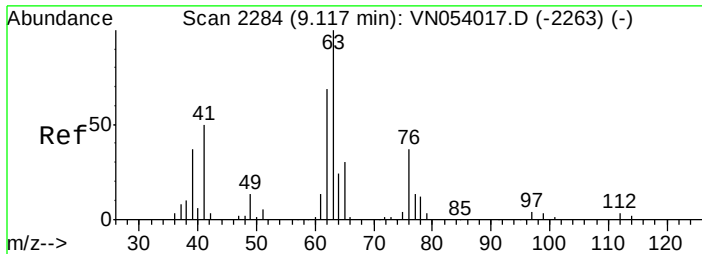
Tot Ion:130 Resp: 379294
 Ion Ratio Lower Upper
 130 100
 95 99.3 81.0 121.4



#38
 Methylcyclohexane
 Concen: 50.228 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 83 Resp: 588124
 Ion Ratio Lower Upper
 83 100

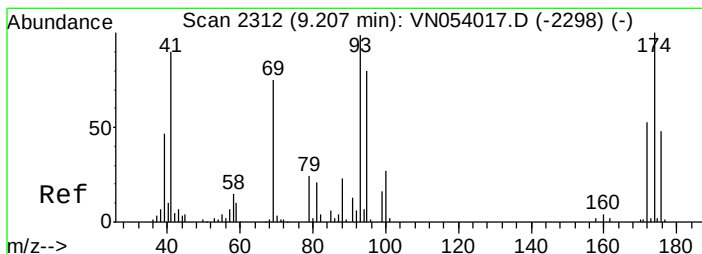
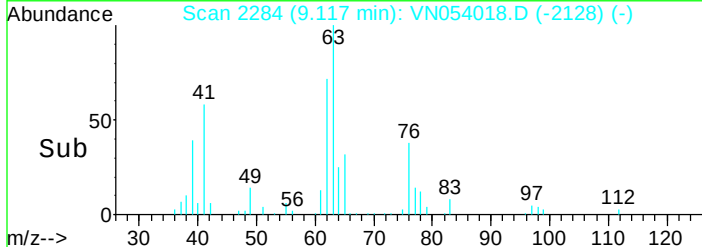
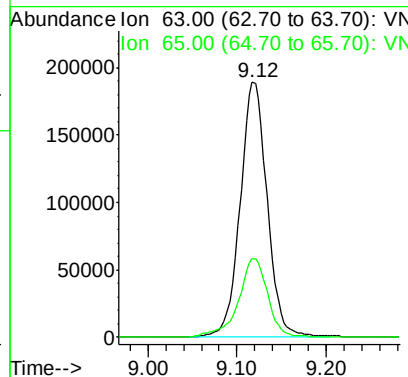
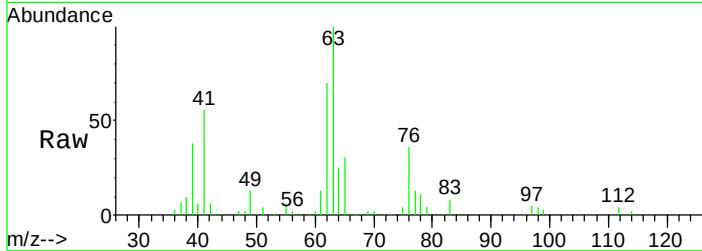




#39
 1,2-Dichloropropane
 Concen: 49.445 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

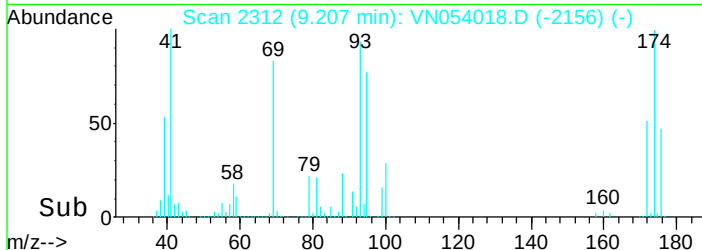
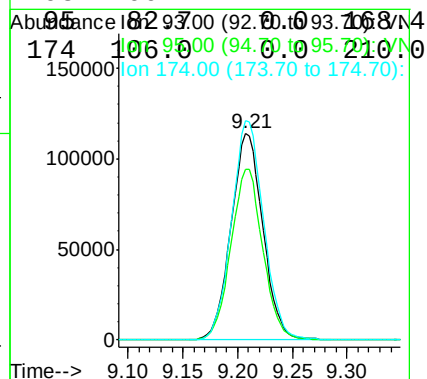
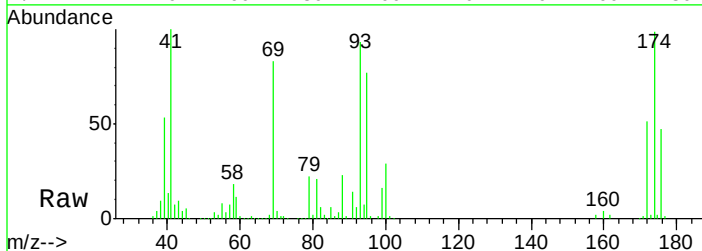
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

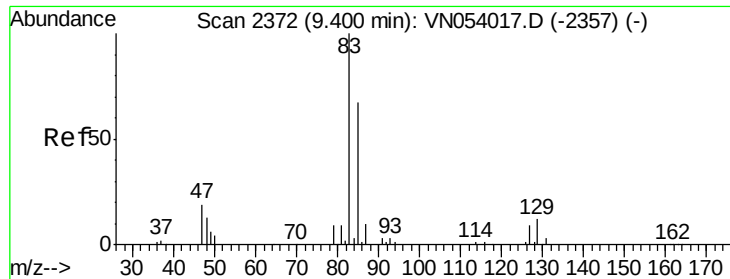
Tot Ion: 63 Resp: 399376
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.6 35.4



#40
 Dibromomethane
 Concen: 50.087 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 93 Resp: 231925
 Ion Ratio Lower Upper
 93 100

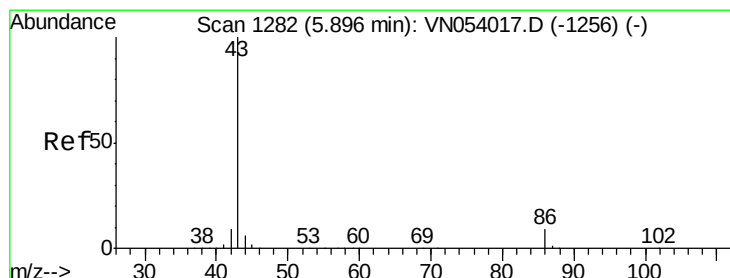
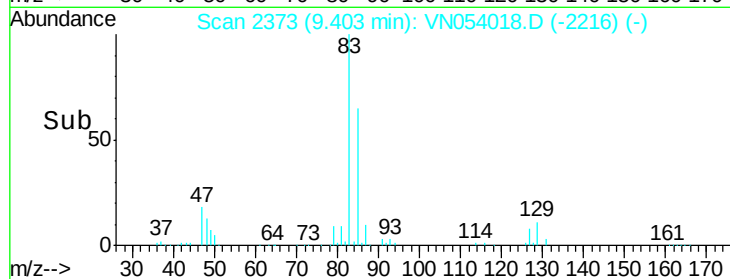
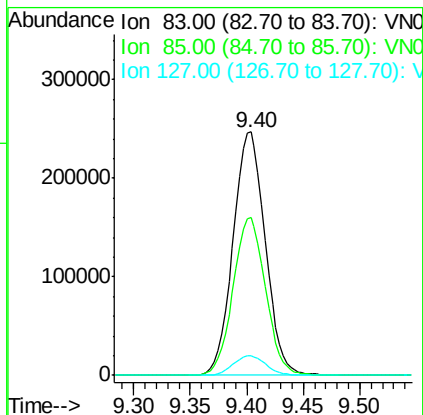
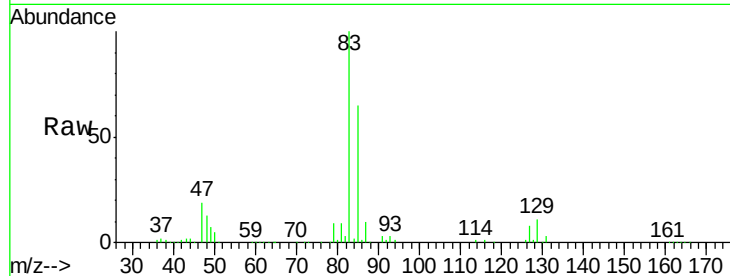




#41
Bromodichloromethane
Concen: 49.933 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

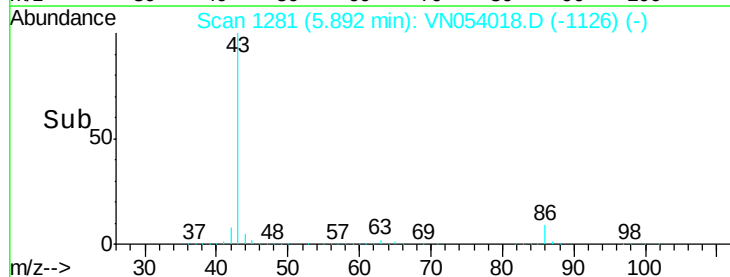
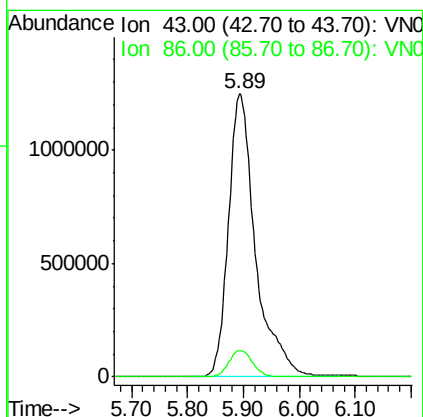
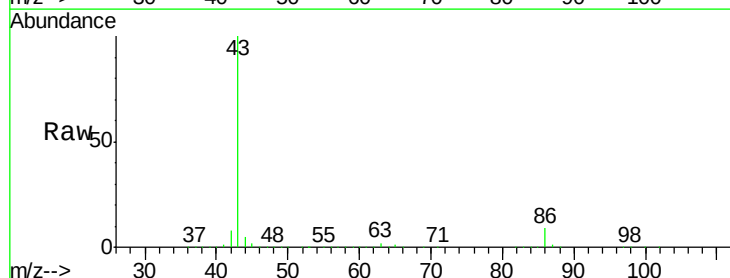
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

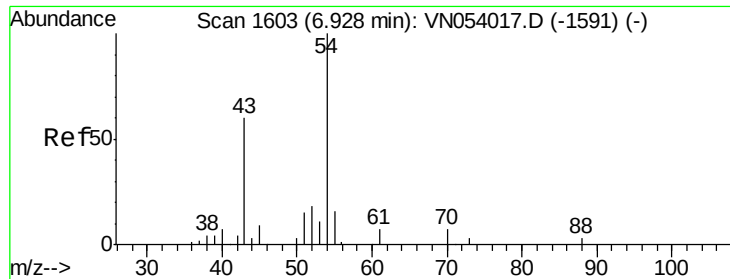
Tot Ion: 83 Resp: 490582
Ion Ratio Lower Upper
83 100
85 64.6 52.4 78.6
127 8.1 6.6 9.8



#42
Vinyl Acetate
Concen: 261.206 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 43 Resp: 4226993
Ion Ratio Lower Upper
43 100
86 8.3 6.5 9.7





#43

Ethyl Acetate

Concen: 51.218 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

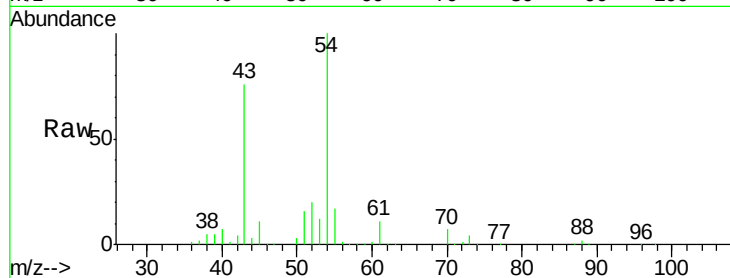
VSTDIC050

Tot Ion: 43 Resp: 336042

Ion Ratio Lower Upper

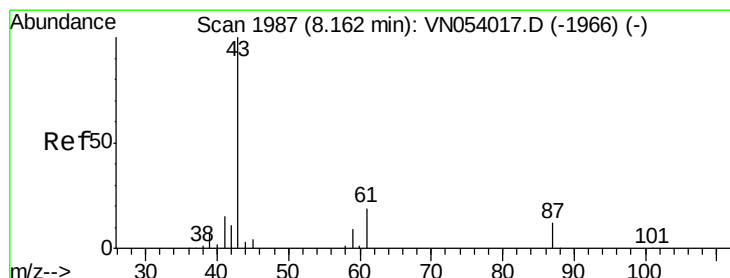
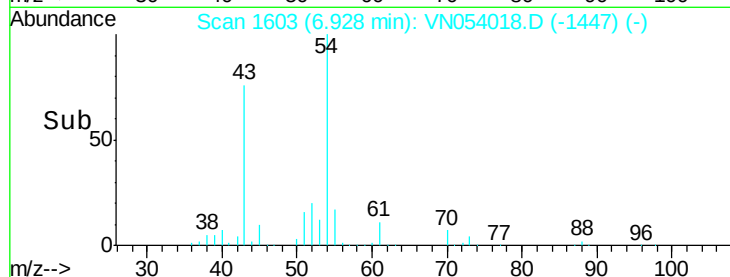
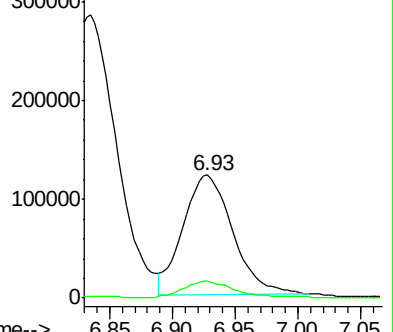
43 100

45 14.3 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 51.102 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054018.D

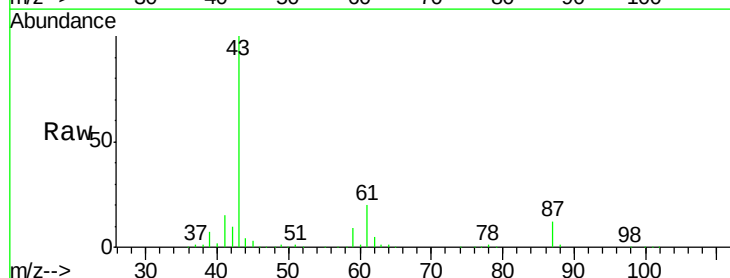
Acq: 1 Mar 2019 9:43

Tgt Ion: 43 Resp: 588328

Ion Ratio Lower Upper

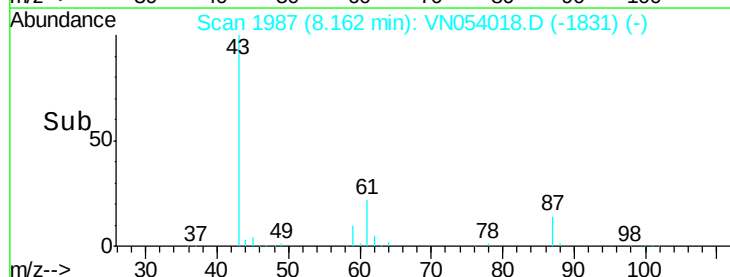
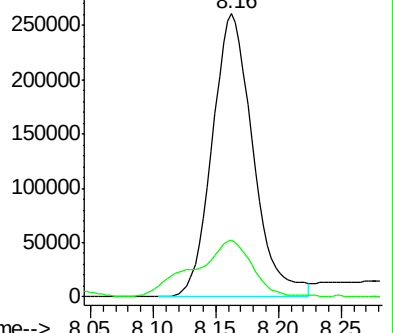
43 100

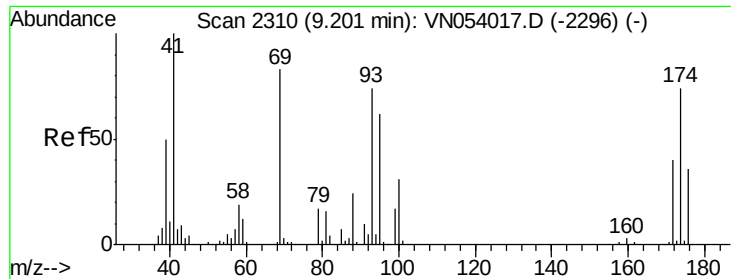
61 18.4 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

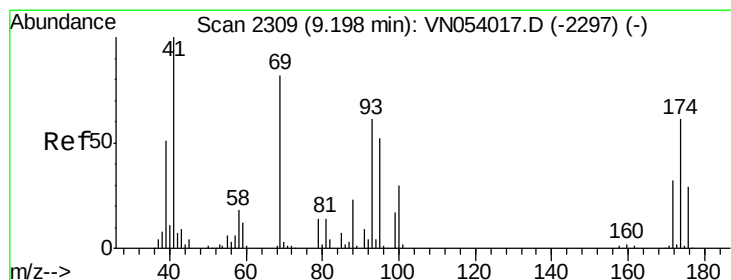
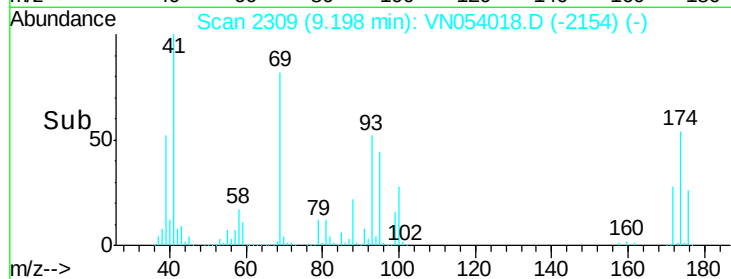
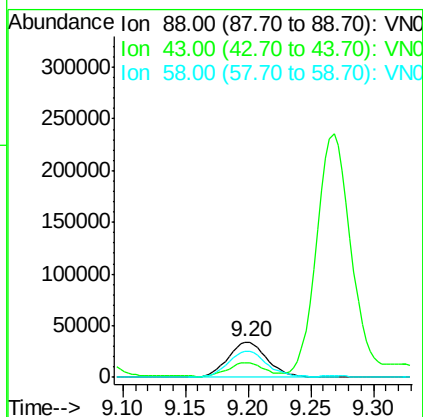
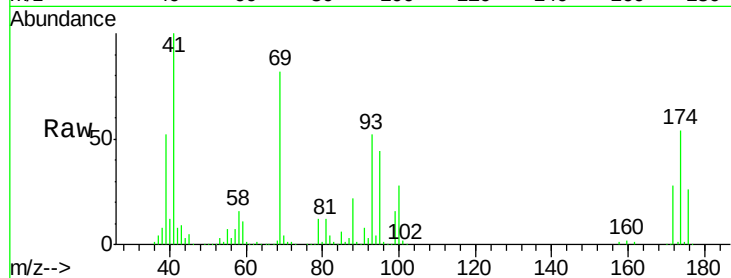




#45
 1,4-Dioxane
 Concen: 1058.166 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

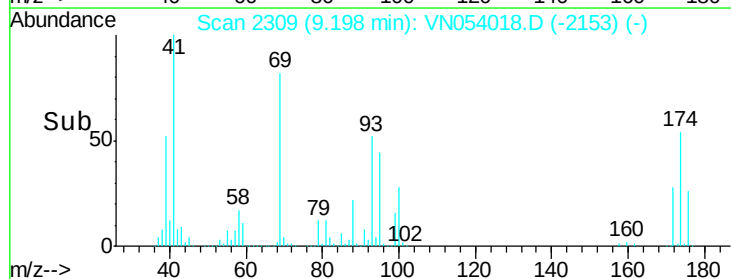
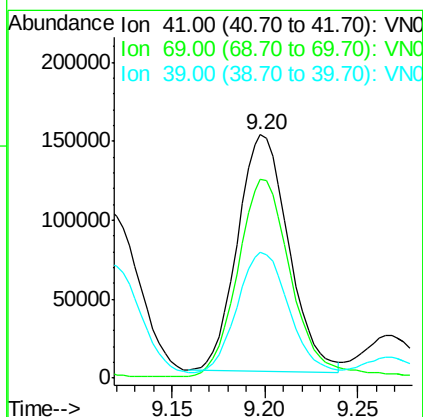
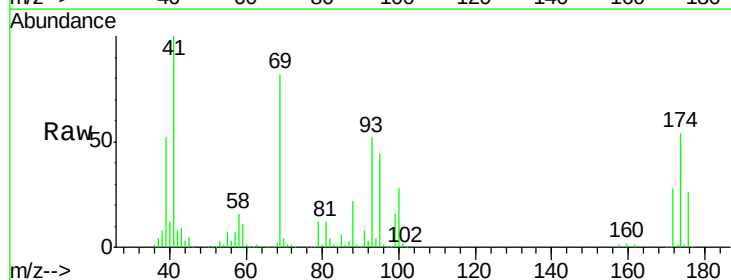
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

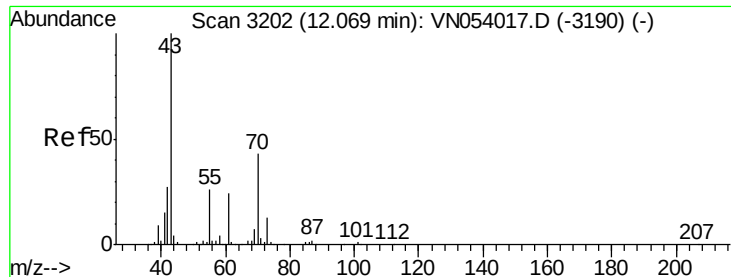
Tot Ion: 88 Resp: 74847
 Ion Ratio Lower Upper
 88 100
 43 34.3 29.5 44.3
 58 74.0 61.5 92.3



#46
 Methyl methacrylate
 Concen: 51.774 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 41 Resp: 286306
 Ion Ratio Lower Upper
 41 100
 69 83.6 42.5 127.6
 39 50.8 26.3 78.9





#47

n-amvl Acetate

Concen: 54.420 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

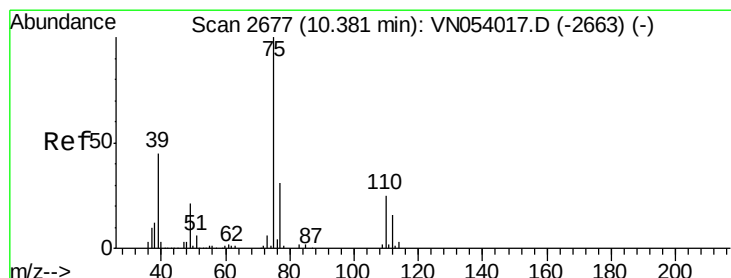
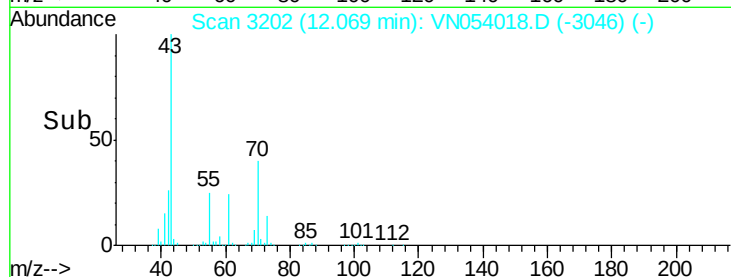
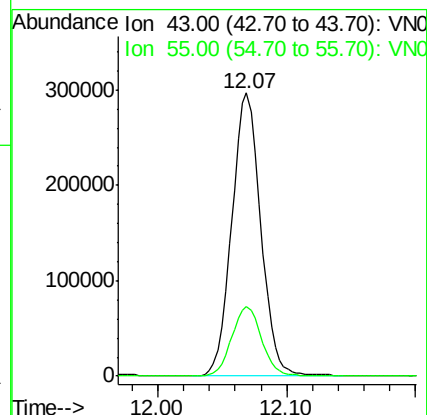
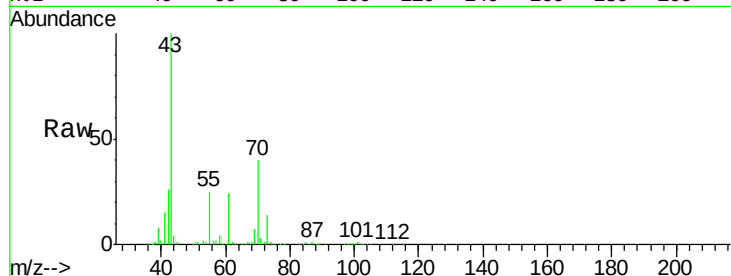
VSTDIC050

Tot Ion: 43 Resp: 460234

Ion Ratio Lower Upper

43 100

55 25.6 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 50.723 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054018.D

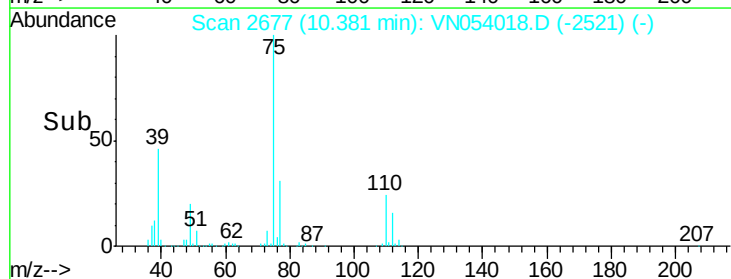
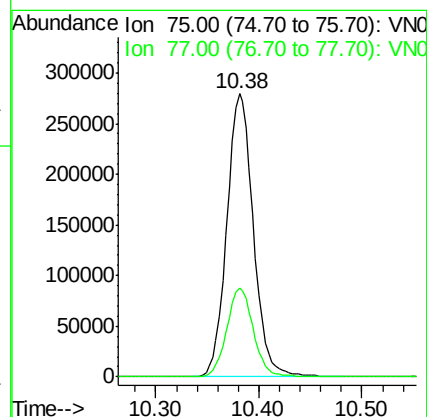
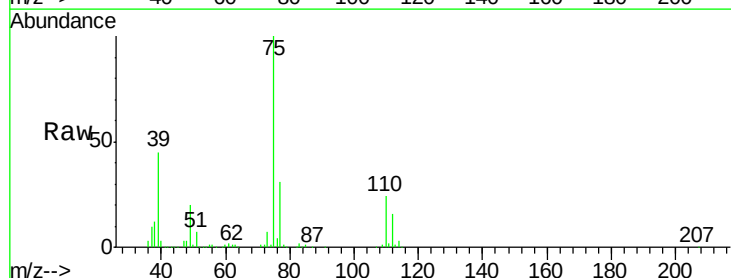
Acq: 1 Mar 2019 9:43

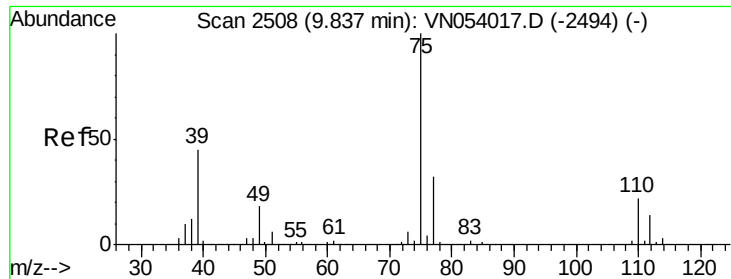
Tgt Ion: 75 Resp: 499668

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4



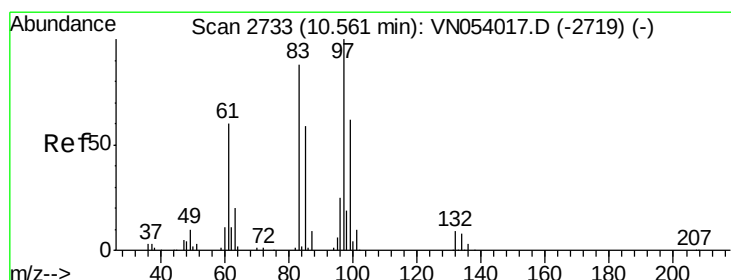
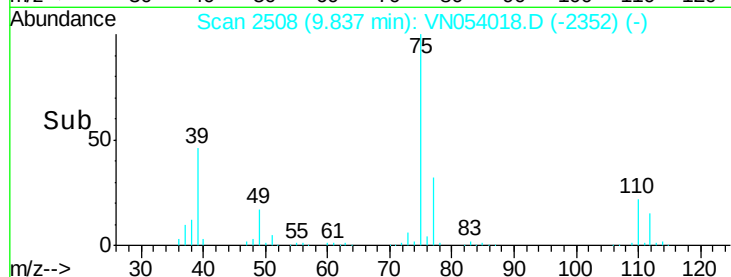
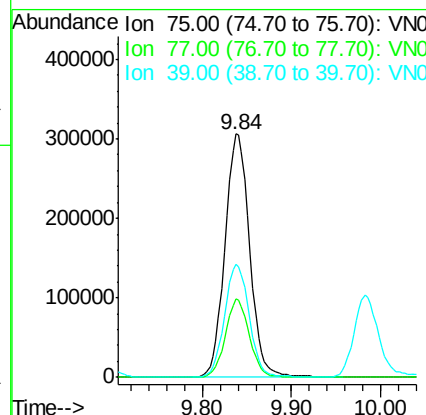
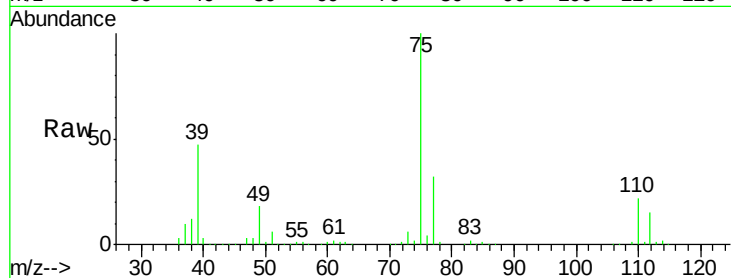


#49

cis-1,3-Dichloropropene
 Concen: 50.815 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

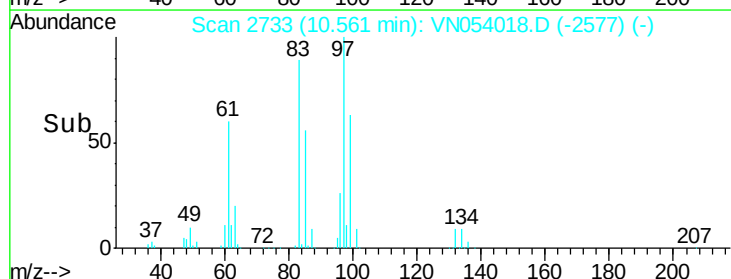
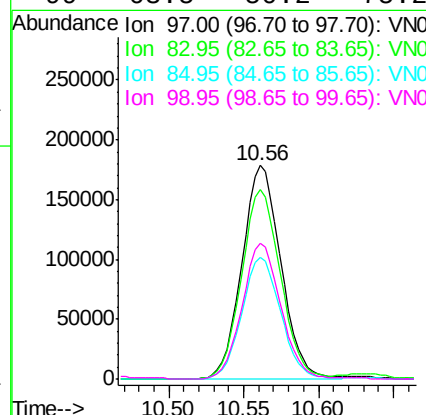
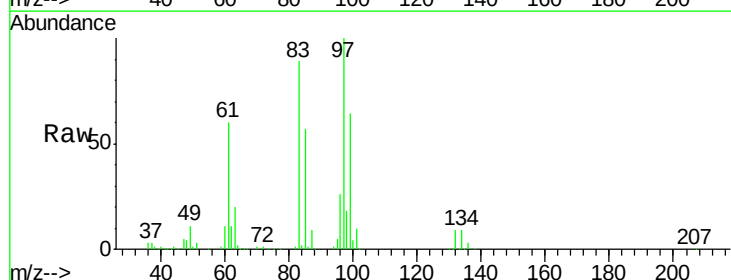
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	46.5	37.3	55.9

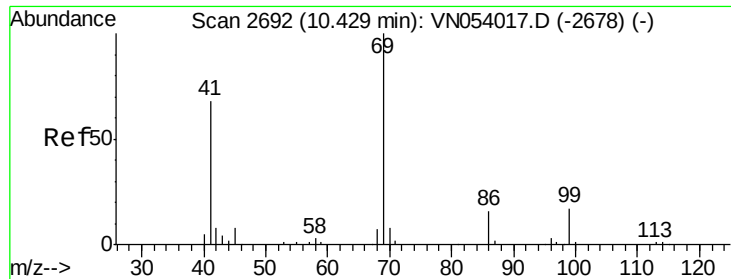


#50

1,1,2-Trichloroethane
 Concen: 49.938 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.4	105.6
85	57.1	45.0	67.6
99	63.5	50.2	75.2





#51

Ethyl methacrylate

Concen: 52.966 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

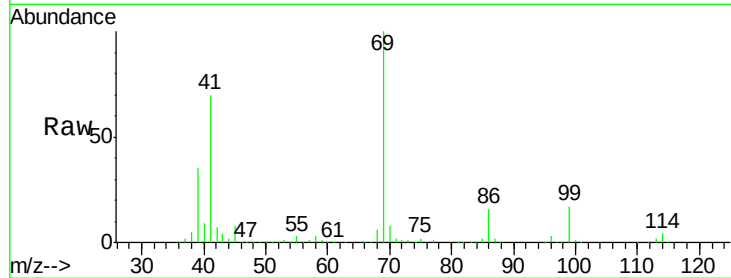
Tot Ion: 69 Resp: 414153

Ion	Ratio	Lower	Upper
69	100		
41	69.6	34.4	103.3
39	34.3	16.4	49.2

69 100

41 69.6 34.4 103.3

39 34.3 16.4 49.2

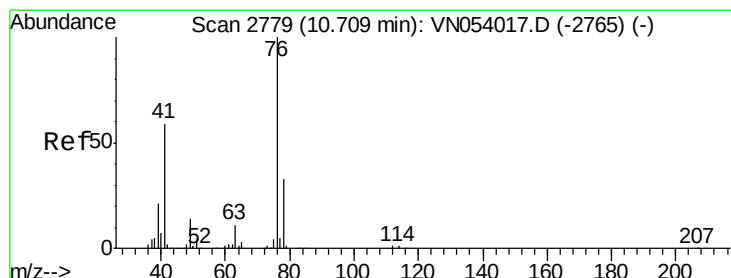
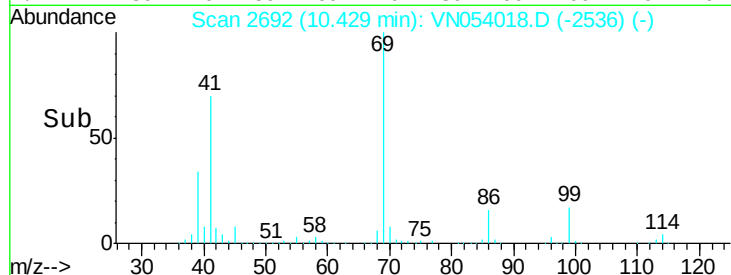
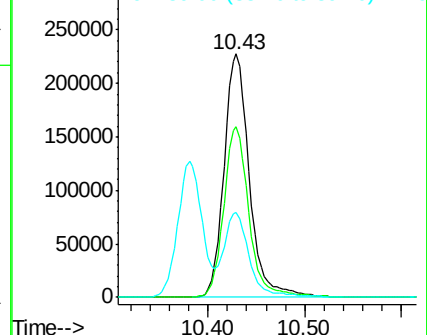


Abundance

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: 50.917 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054018.D

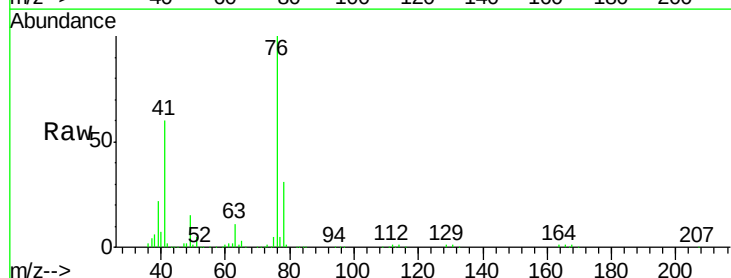
Acq: 1 Mar 2019 9:43

Tgt Ion: 76 Resp: 567609

Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.8

76 100

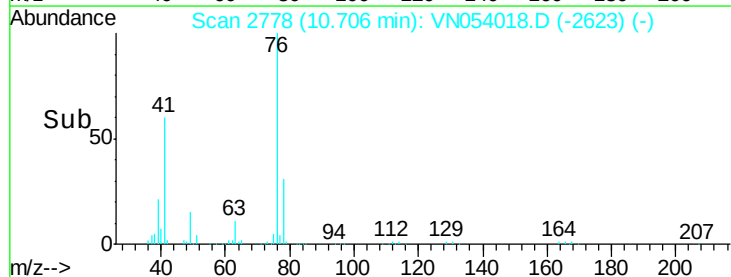
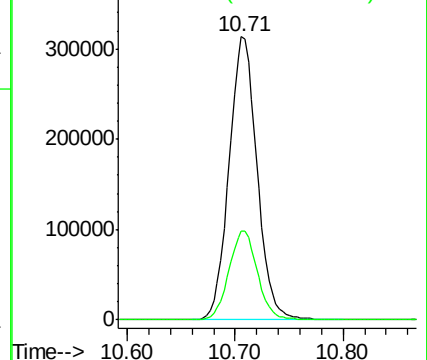
78 31.9 0.0 64.8

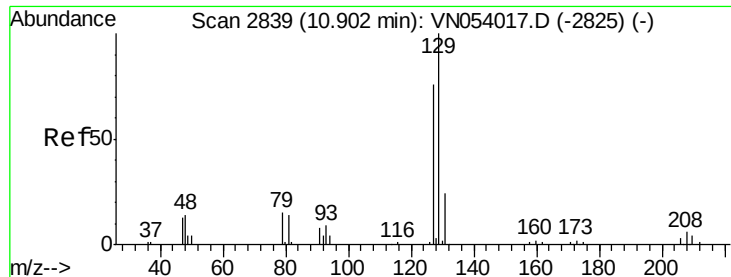


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 50.603 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

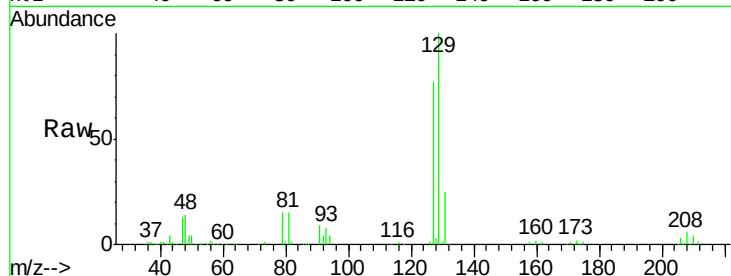
VSTDIC050

Tot Ion:129 Resp: 361162

Ion Ratio Lower Upper

129 100

127 76.2 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

200000

150000

100000

50000

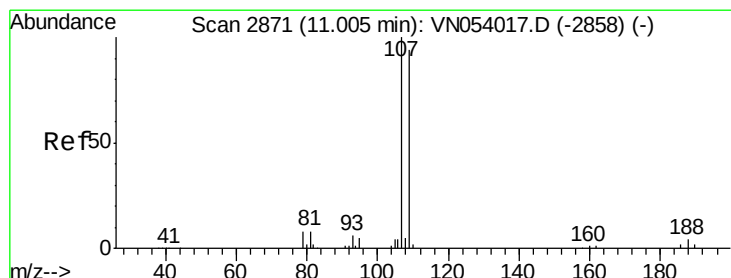
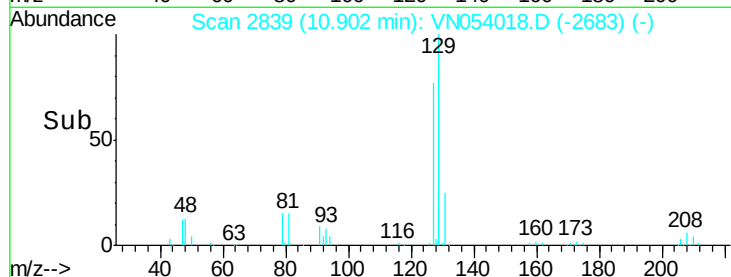
0

10.80

10.90

11.00

Time-->



#54

1,2-Dibromoethane

Concen: 51.126 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054018.D

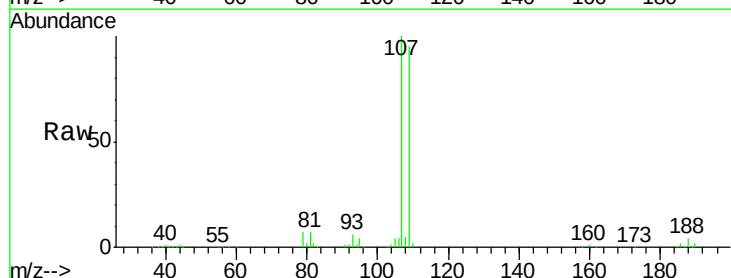
Acq: 1 Mar 2019 9:43

Tgt Ion:107 Resp: 316330

Ion Ratio Lower Upper

107 100

109 94.3 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

100000

50000

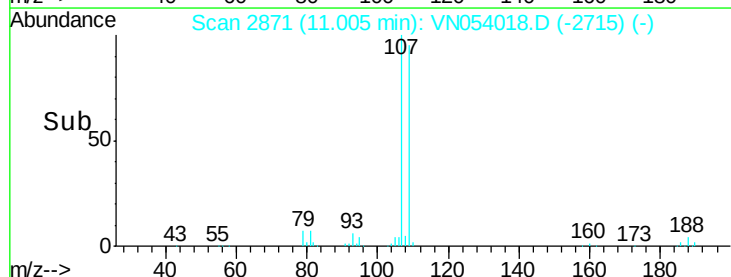
0

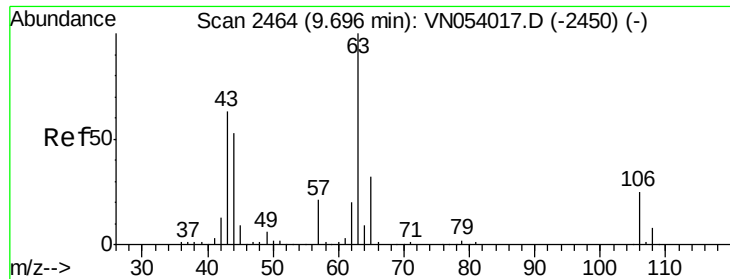
10.90

11.00

11.10

Time-->

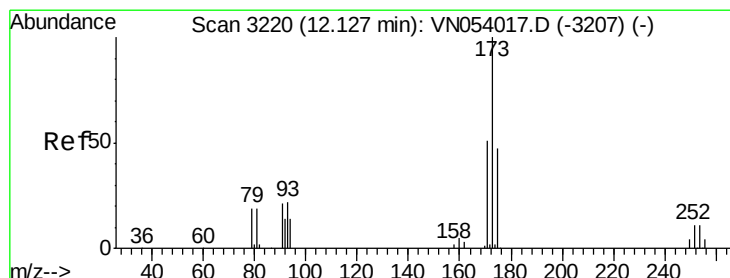
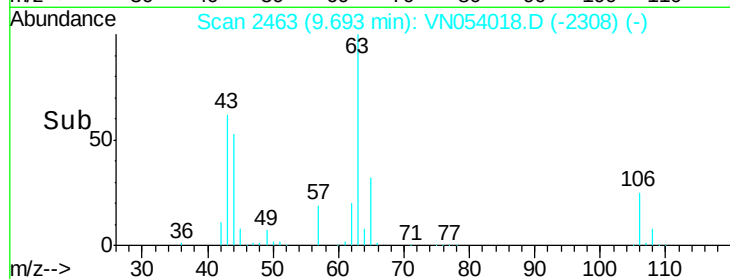
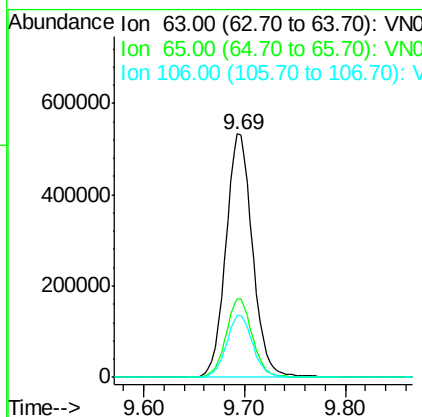
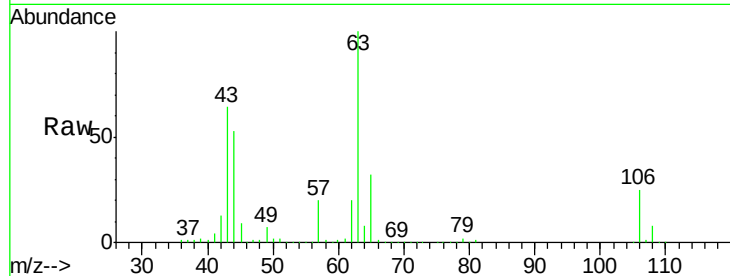




#55
2-Chloroethyl vinyl ether
Concen: 271.768 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

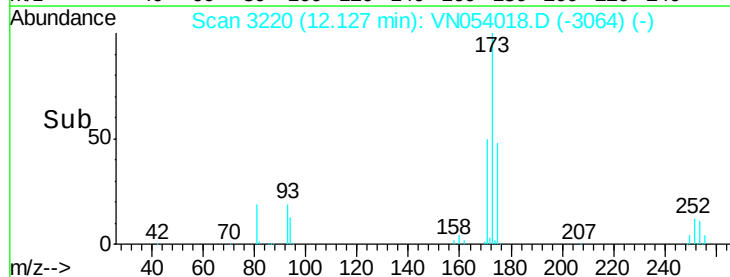
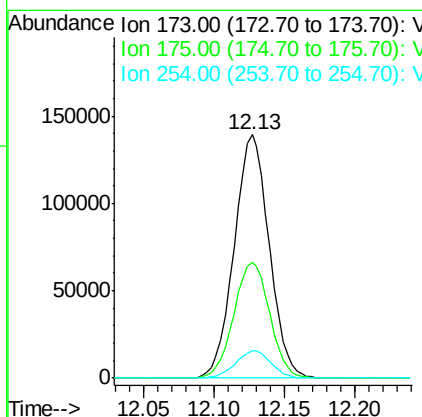
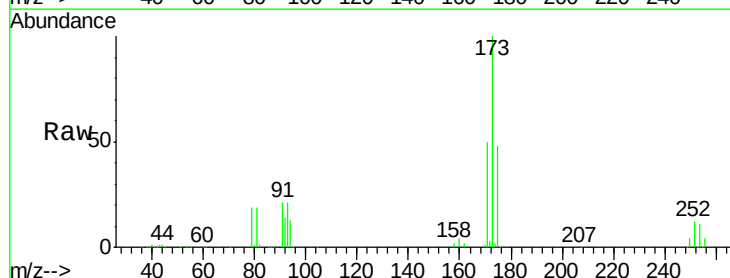
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

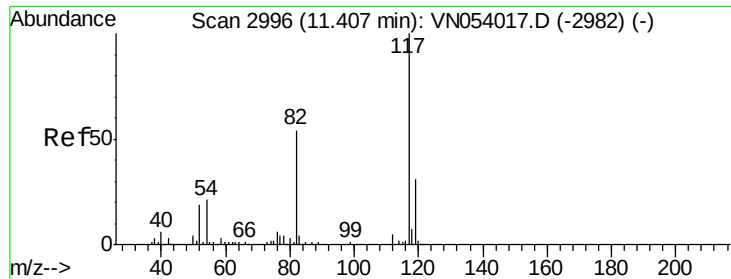
Tot Ion: 63 Resp: 986131
Ion Ratio Lower Upper
63 100
65 31.6 25.4 38.2
106 24.9 20.4 30.6



#56
Bromoform
Concen: 51.039 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 173 Resp: 241872
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 11.3 8.4 12.6

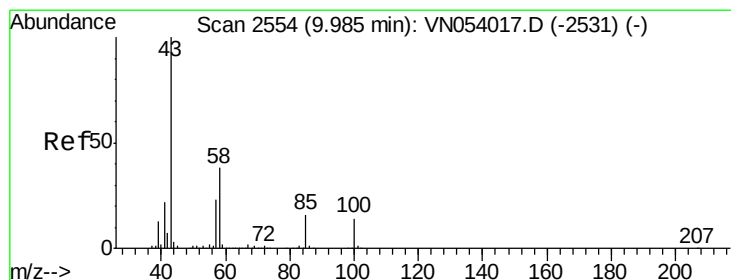
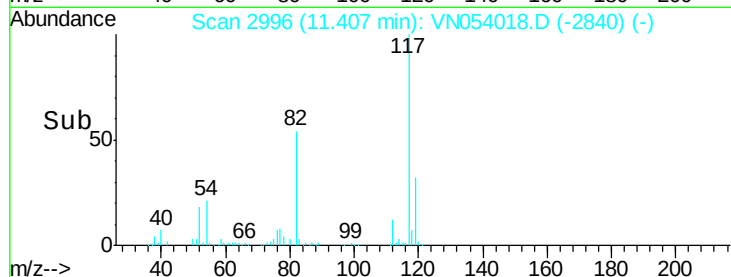
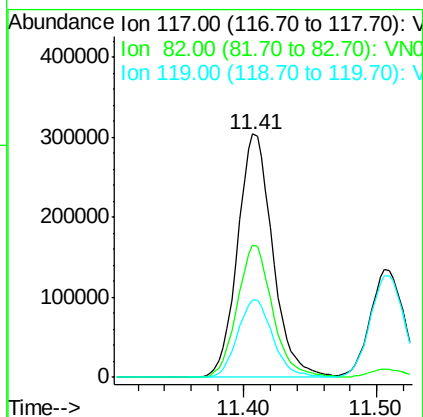
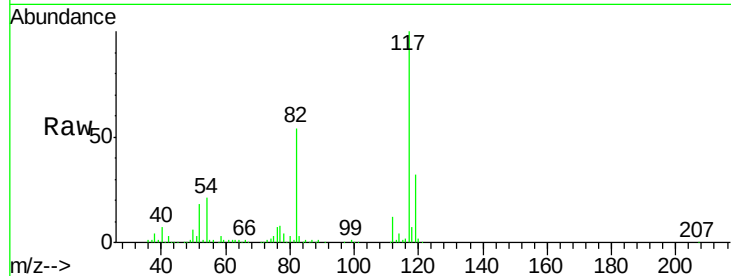




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

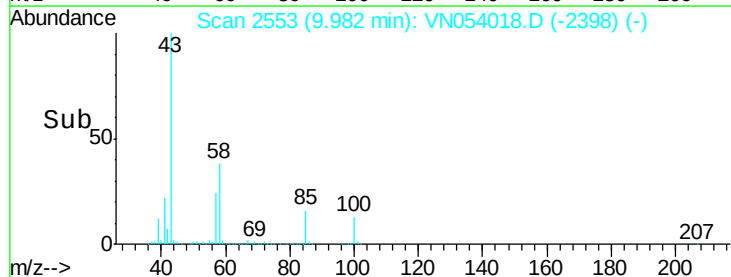
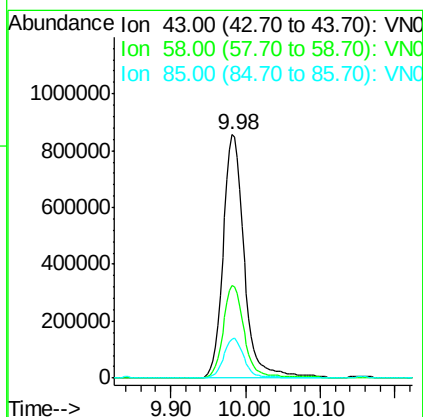
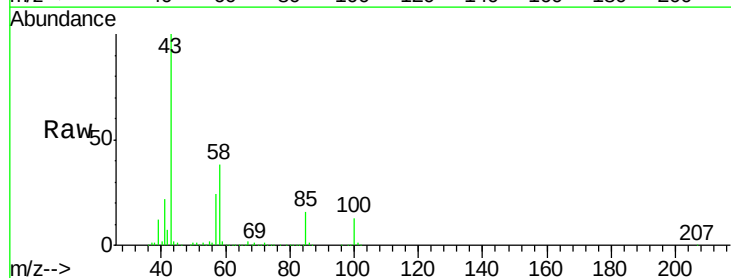
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

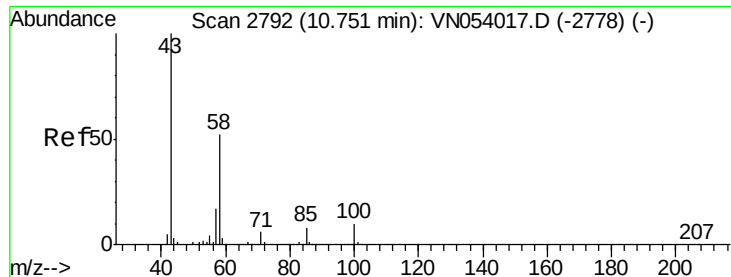
Tot Ion:117 Resp: 559433
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 264.443 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 43 Resp: 1666985
Ion Ratio Lower Upper
43 100
58 37.9 31.6 47.4
85 16.1 13.3 19.9

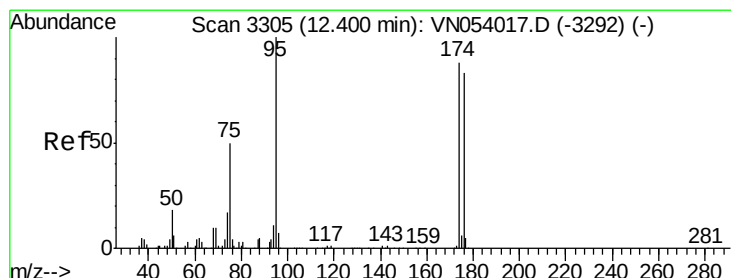
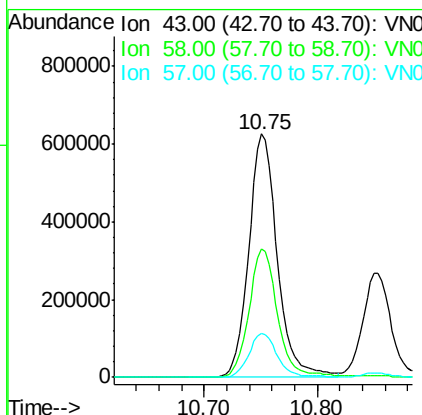
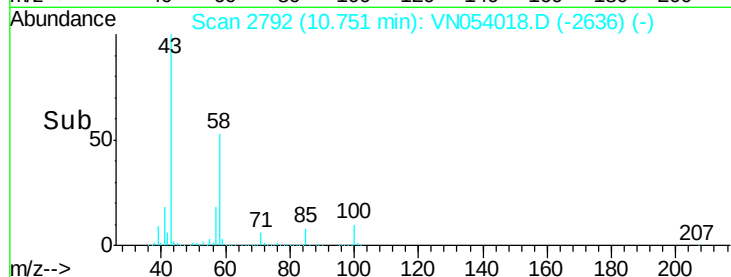
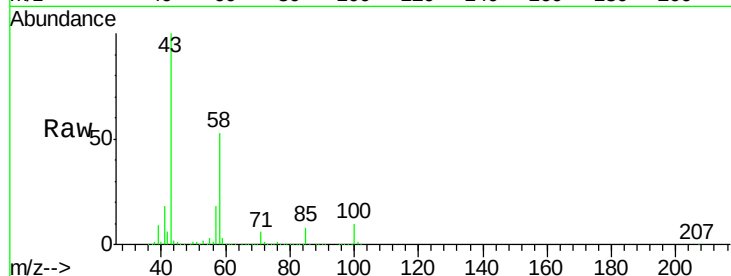




#59
2-Hexanone
Concen: 265.743 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

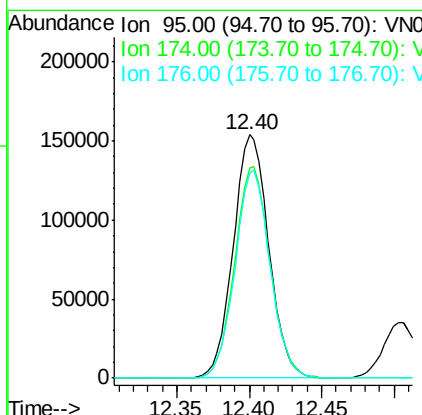
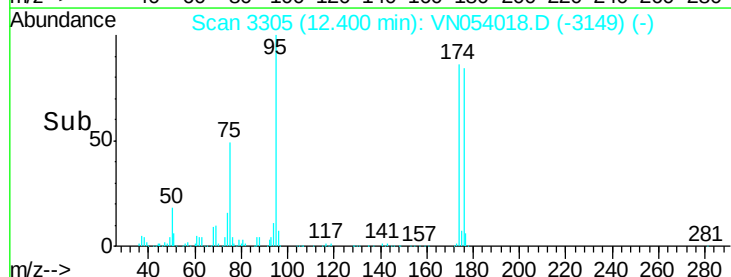
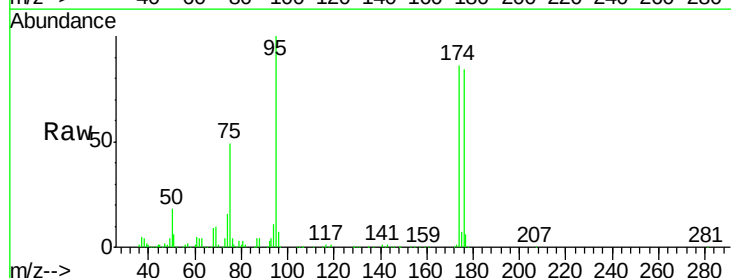
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

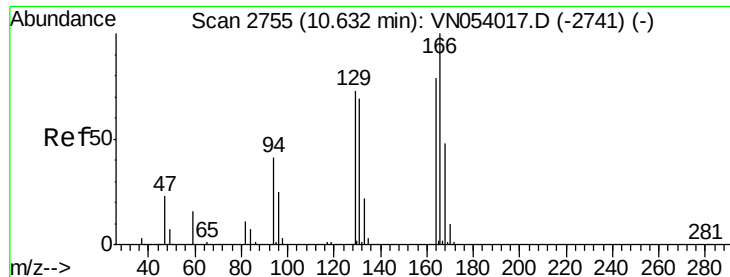
Tot Ion: 43 Resp: 1094482
Ion Ratio Lower Upper
43 100
58 53.1 43.2 64.8
57 18.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 265.743 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 95 Resp: 261884
Ion Ratio Lower Upper
95 100
174 86.7 67.9 101.9
176 84.6 66.4 99.6





#61

Tetrachloroethene

Concen: 48.151 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 374474

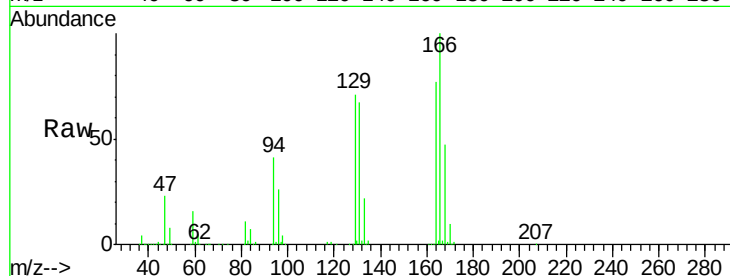
Ion Ratio Lower Upper

164 100

166 130.5 104.6 157.0

129 92.0 75.3 112.9

131 87.4 74.3 111.5

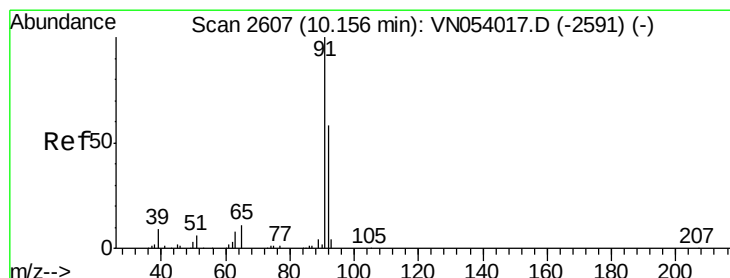
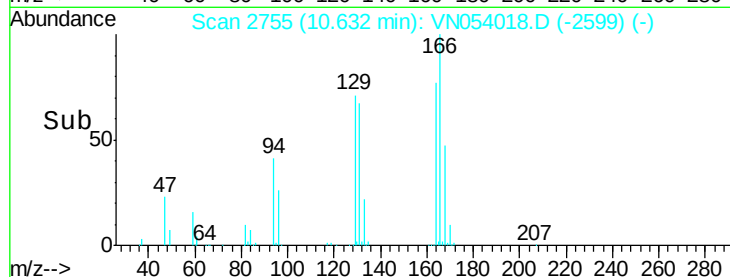
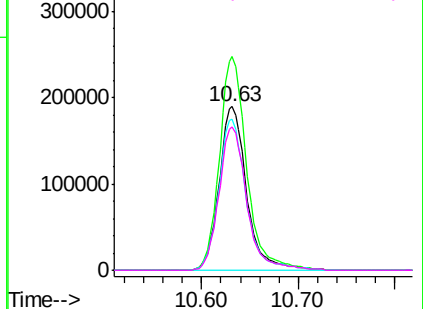


Abundance Ion 163.85 (163.55 to 164.55): V

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: 49.977 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054018.D

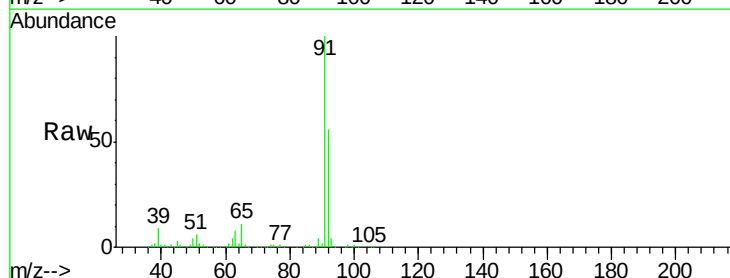
Acq: 1 Mar 2019 9:43

Tgt Ion: 91 Resp: 1562531

Ion Ratio Lower Upper

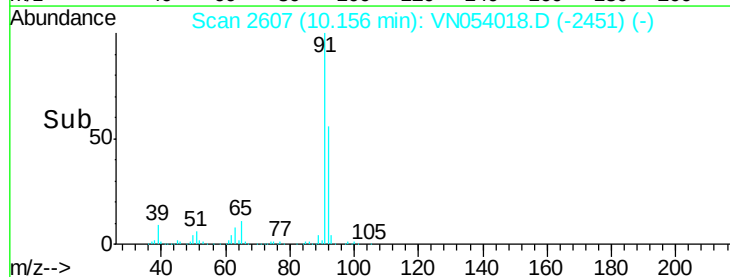
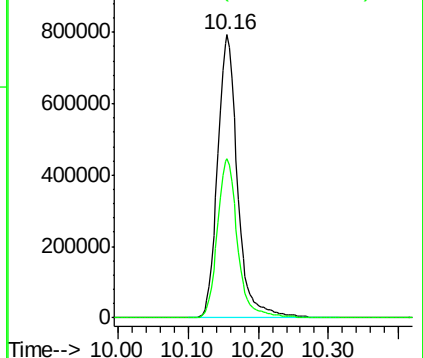
91 100

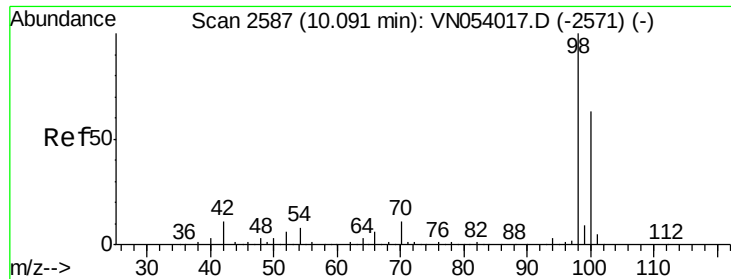
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 49.977 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

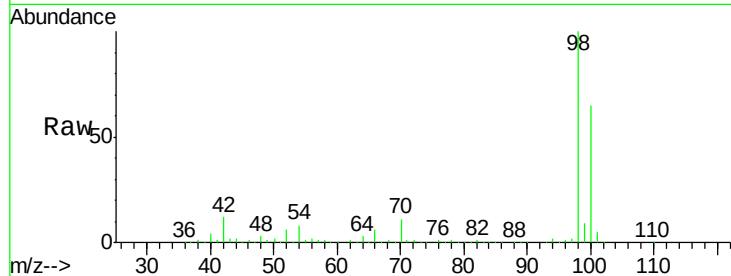
VSTDIC050

Tot Ion: 98 Resp: 795221

Ion Ratio Lower Upper

98 100

100 65.0 51.1 76.7



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

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

10.09

400000

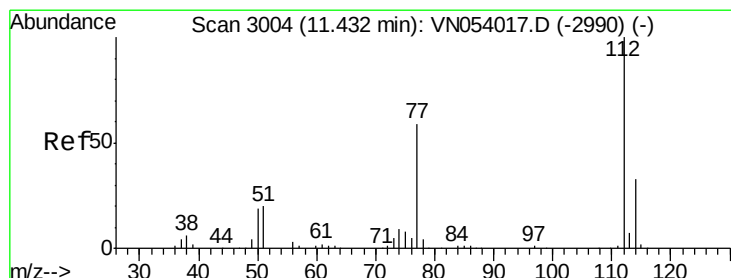
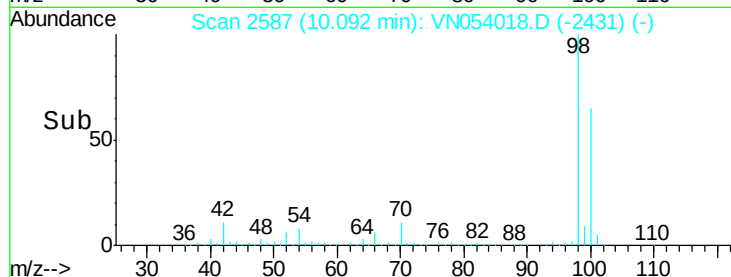
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 49.381 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054018.D

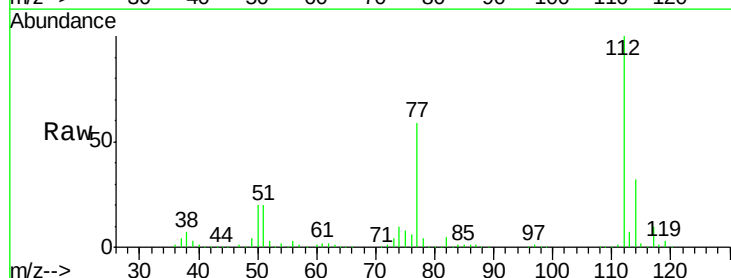
Acq: 1 Mar 2019 9:43

Tgt Ion: 112 Resp: 940135

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



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

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

11.43

500000

400000

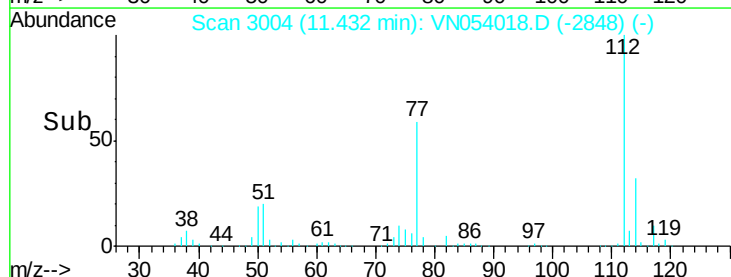
300000

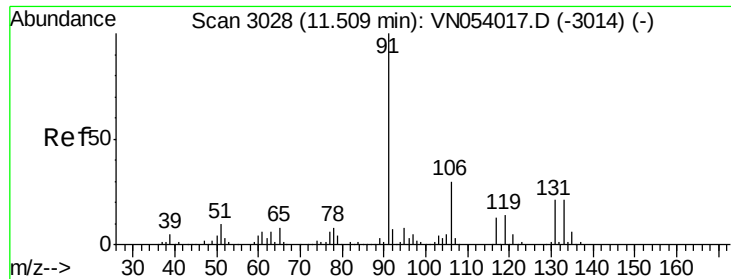
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 49.432 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

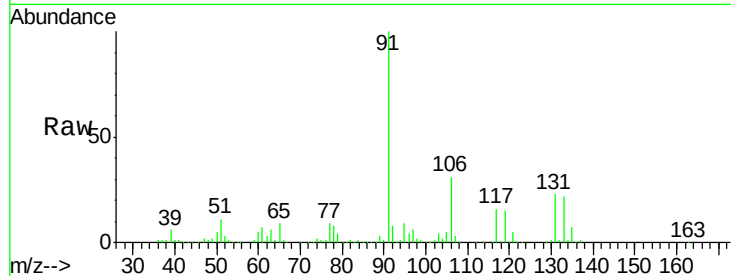
Tot Ion:131 Resp: 345553

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.4

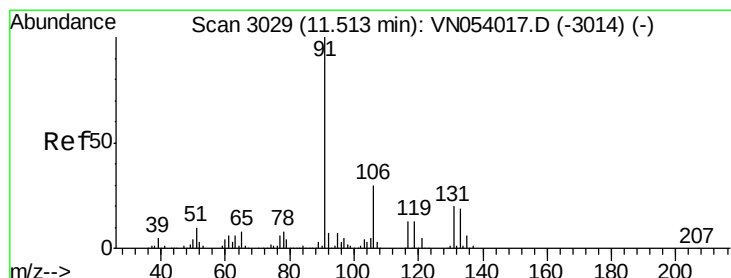
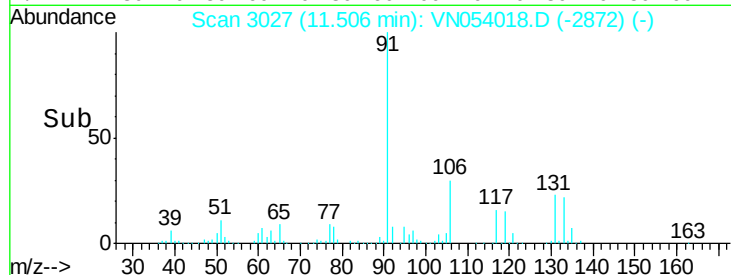
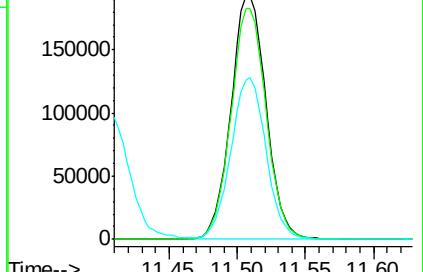
119 66.5 0.0 133.0



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: 50.206 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054018.D

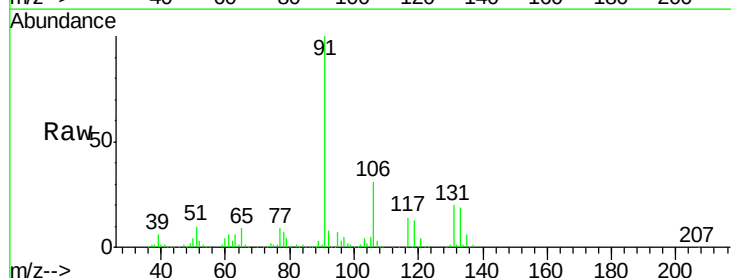
Acq: 1 Mar 2019 9:43

Tgt Ion: 91 Resp: 1640777

Ion Ratio Lower Upper

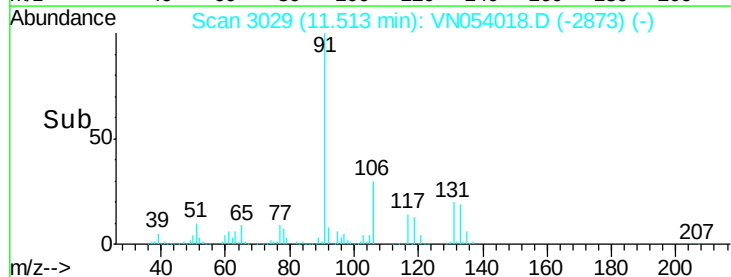
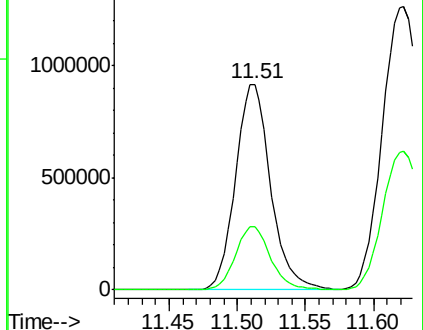
91 100

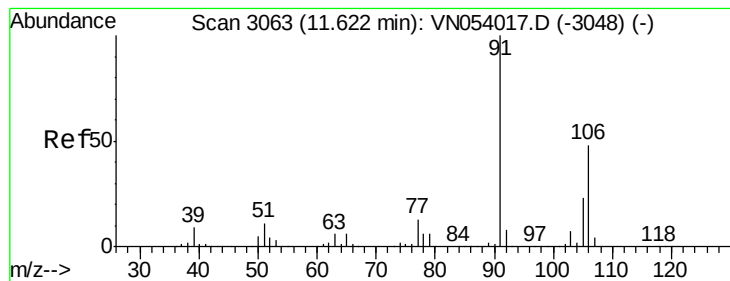
106 30.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

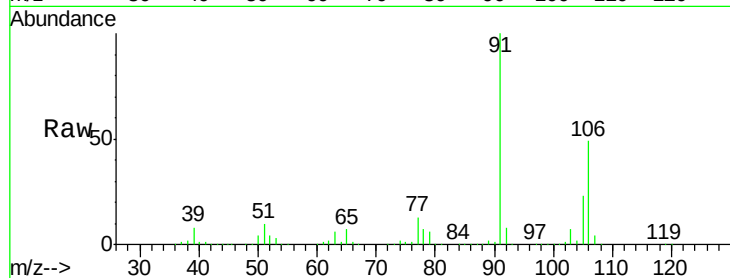




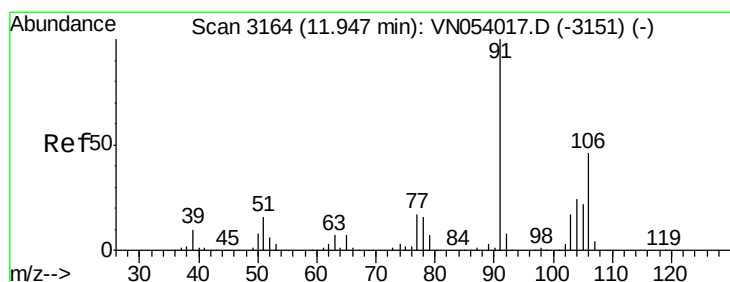
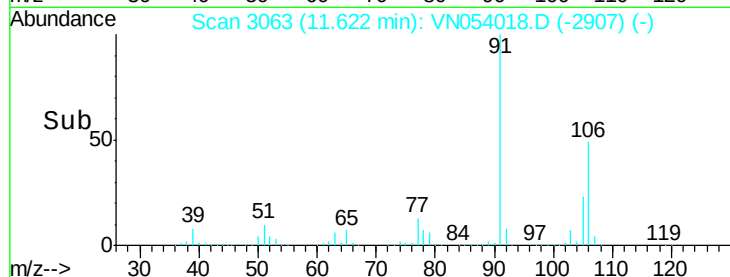
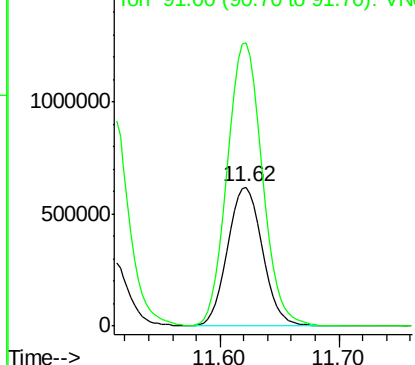
#67
m/p-Xylenes
Concen: 102.733 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 1264055
Ion Ratio Lower Upper
106 100
91 204.5 163.9 245.9

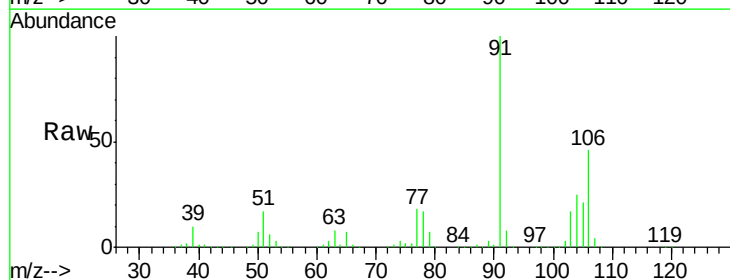


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

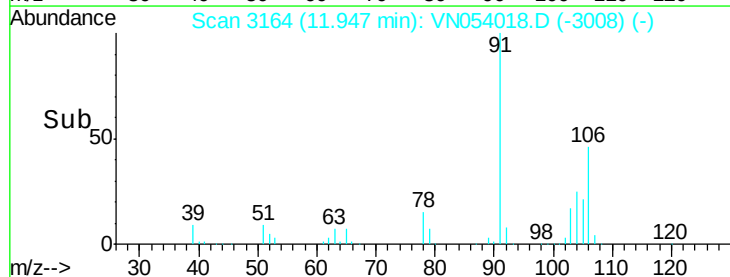
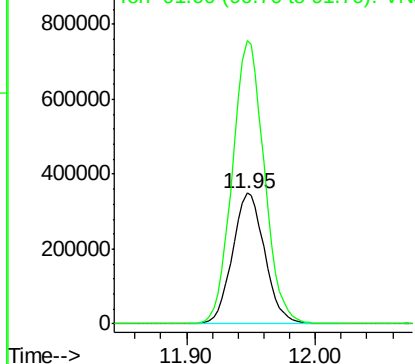


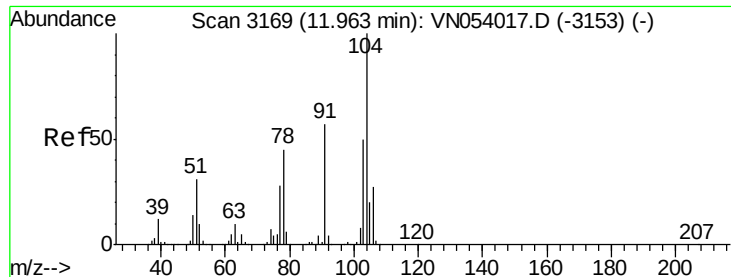
#68
o-Xylene
Concen: 50.751 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion:106 Resp: 605324
Ion Ratio Lower Upper
106 100
91 214.9 107.8 323.4



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

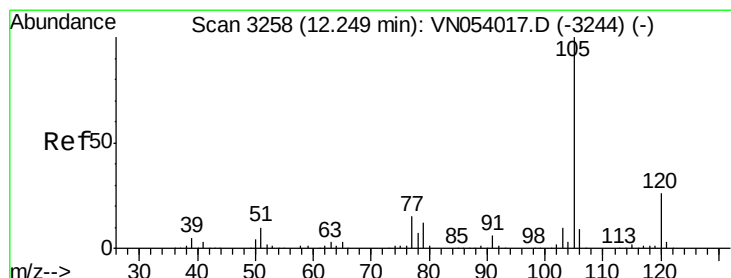
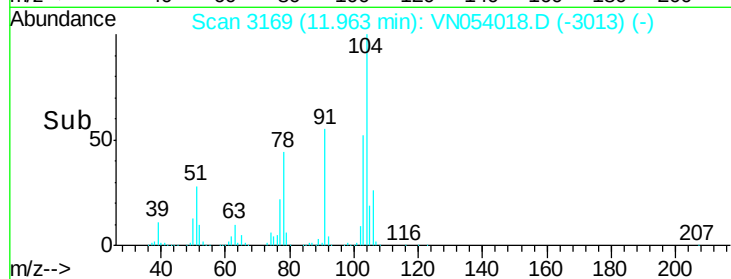
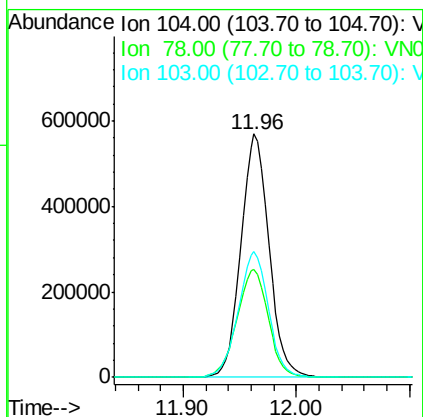
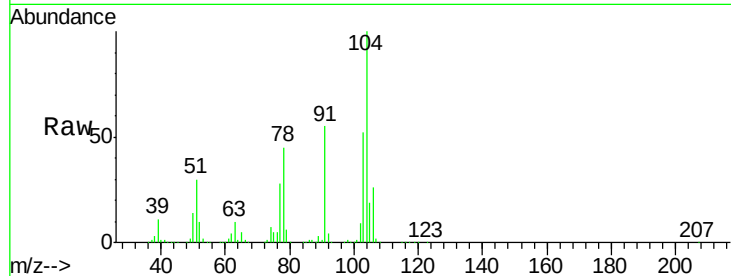




#69
Stvrene
Concen: 52.187 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

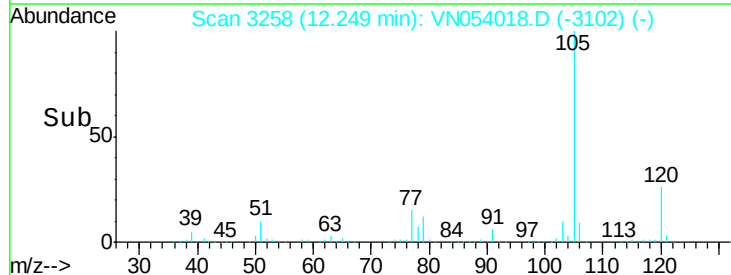
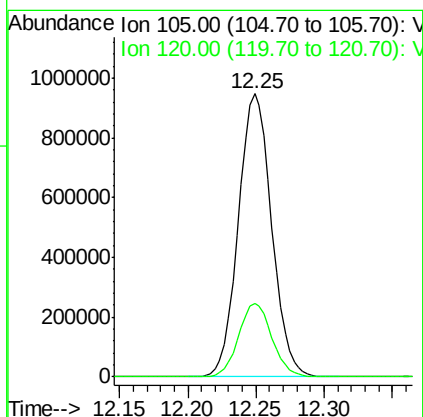
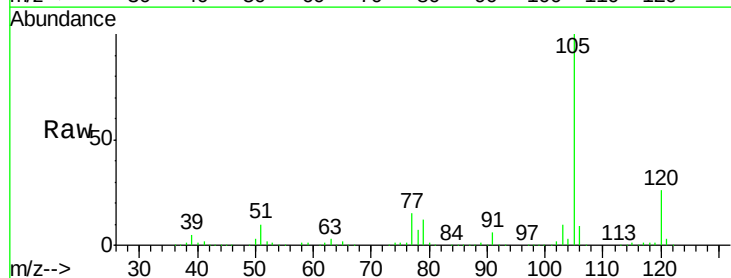
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

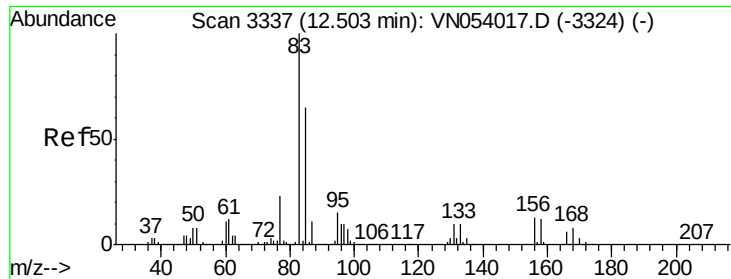
Tot Ion:104 Resp: 985637
Ion Ratio Lower Upper
104 100
78 49.5 39.3 58.9
103 55.5 44.6 66.8



#70
Isopropylbenzene
Concen: 51.199 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion:105 Resp: 1602765
Ion Ratio Lower Upper
105 100
120 26.0 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 50.996 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

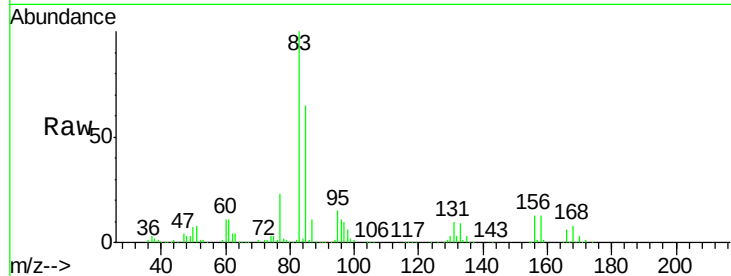
Tot Ion: 83 Resp: 394034

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

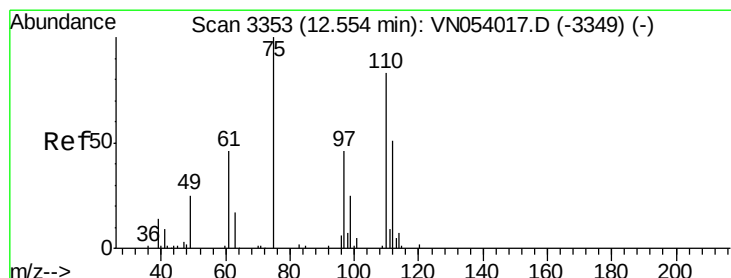
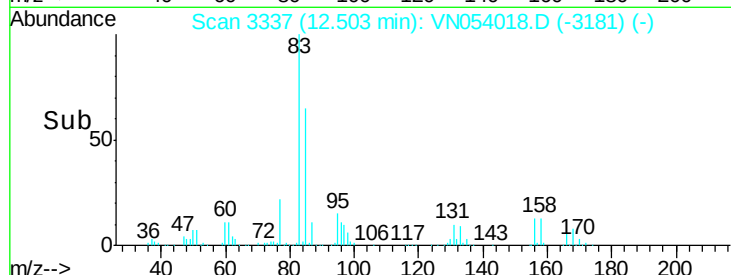
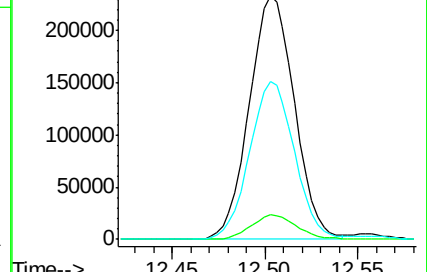
85 64.4 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VN054018.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN054018.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN054018.D (-3181) (-)



#72

1,2,3-Trichloropropane

Concen: 84.753 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054018.D

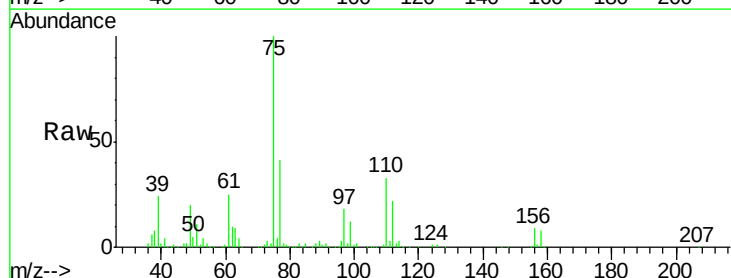
Acq: 1 Mar 2019 9:43

Tgt Ion: 75 Resp: 497236

Ion Ratio Lower Upper

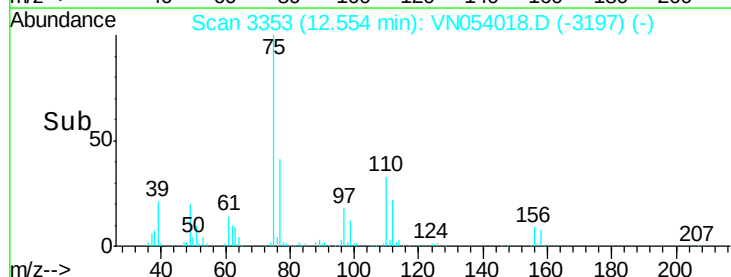
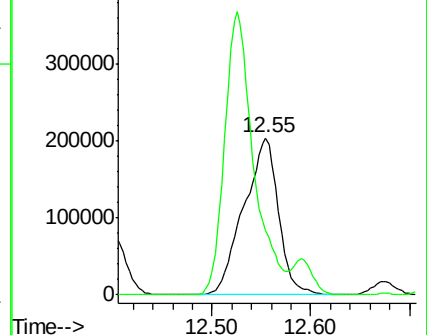
75 100

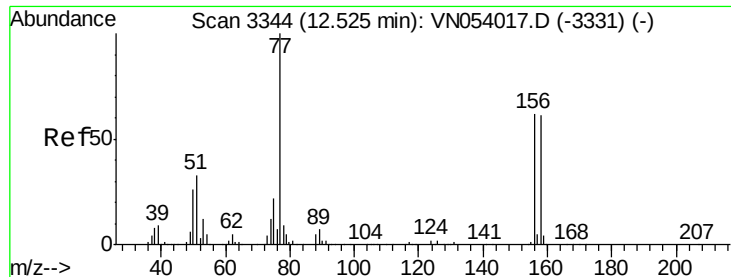
77 151.9 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN054018.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN054018.D (-3197) (-)





#73

Bromobenzene

Concen: 50.884 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

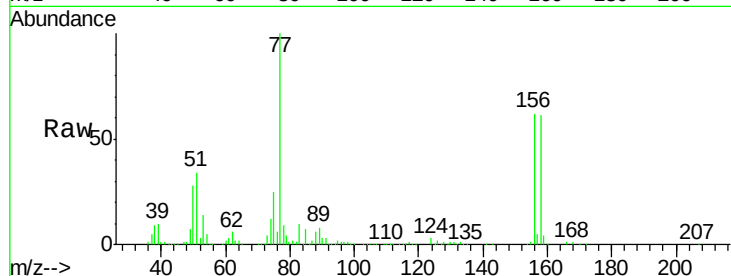
Tot Ion:156 Resp: 401609

Ion Ratio Lower Upper

156 100

77 188.1 0.0 382.6

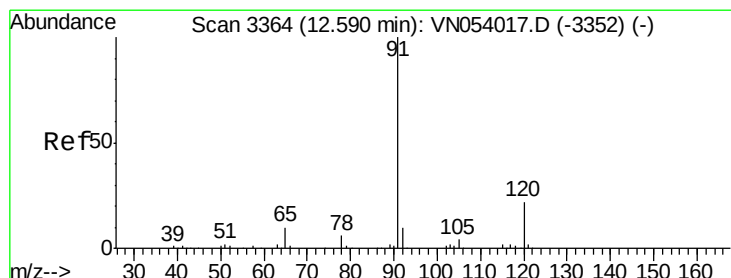
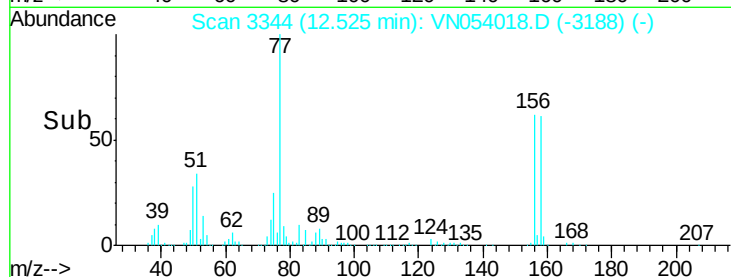
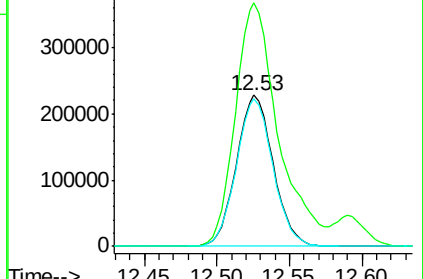
158 97.3 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 51.194 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054018.D

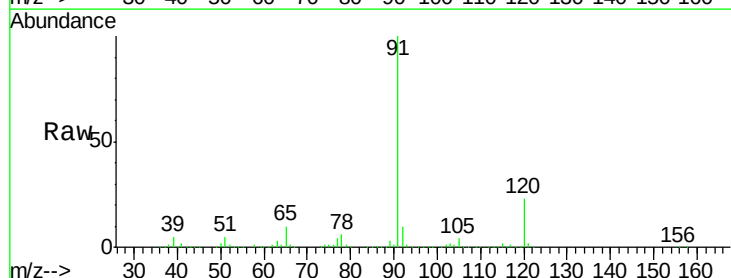
Acq: 1 Mar 2019 9:43

Tgt Ion: 91 Resp: 1908369

Ion Ratio Lower Upper

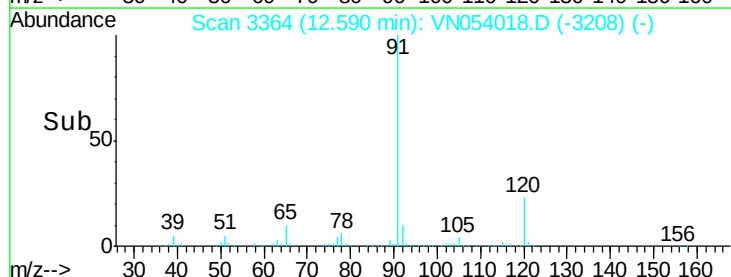
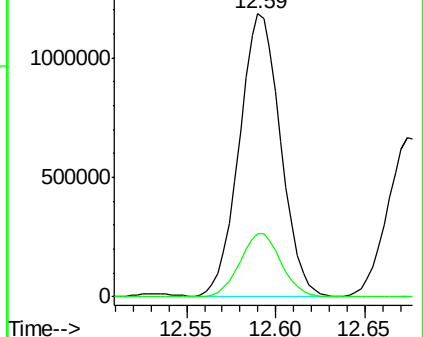
91 100

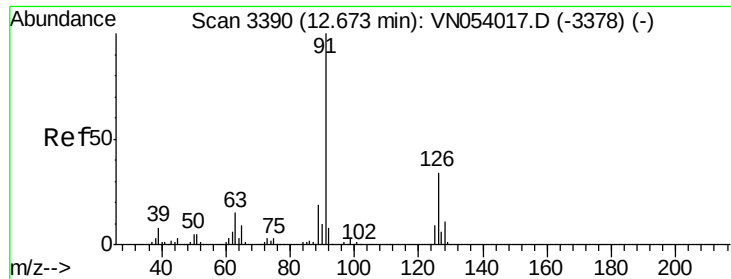
120 22.5 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 50.999 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

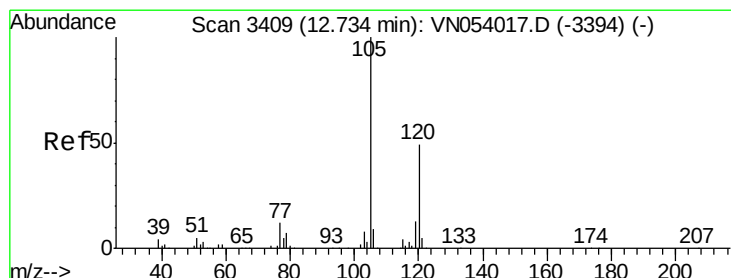
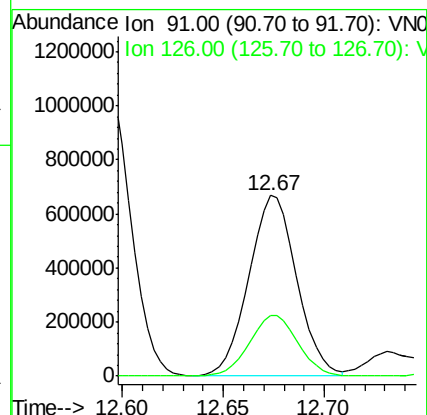
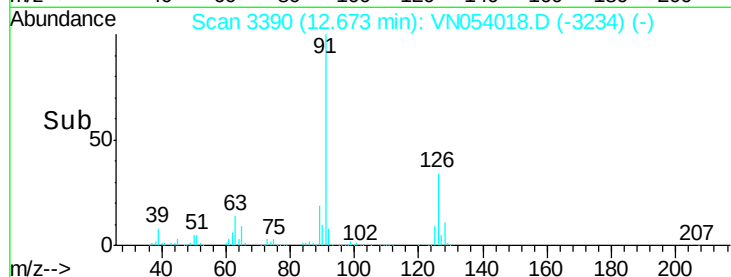
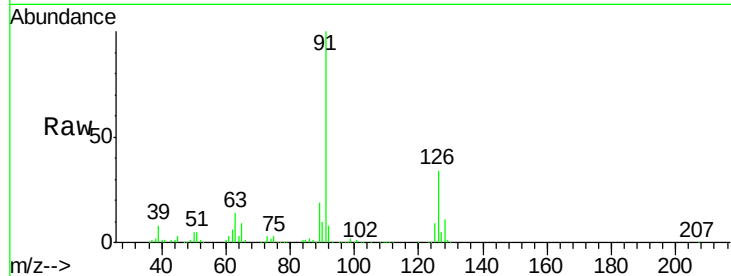
VSTDIC050

Tot Ion: 91 Resp: 1113267

Ion Ratio Lower Upper

91 100

126 34.2 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 51.553 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054018.D

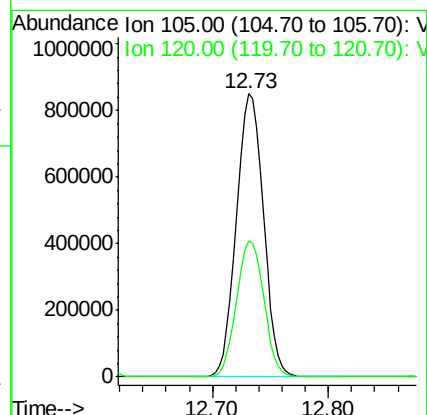
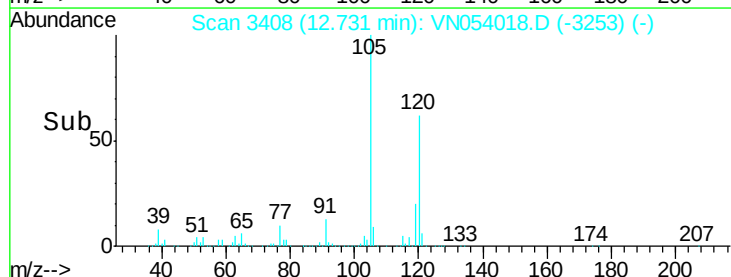
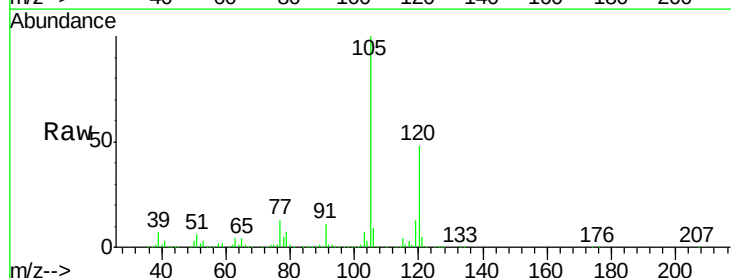
Acq: 1 Mar 2019 9:43

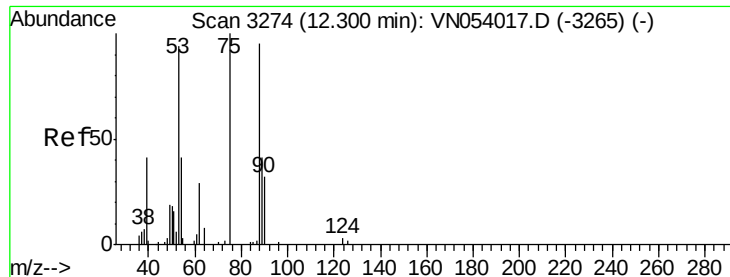
Tgt Ion: 105 Resp: 1367051

Ion Ratio Lower Upper

105 100

120 48.3 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 52.924 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

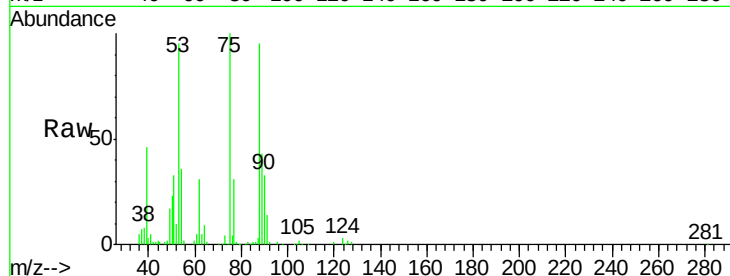
Tot Ion: 75 Resp: 110492

Ion Ratio Lower Upper

75 100

53 94.5 48.5 145.6

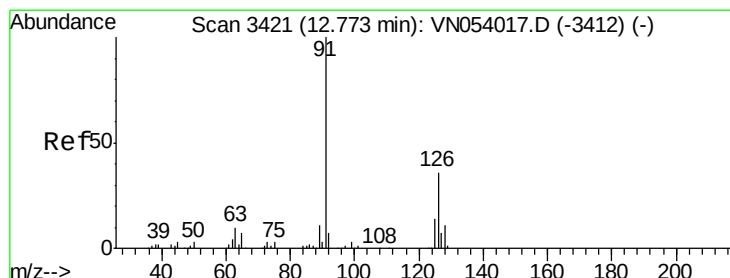
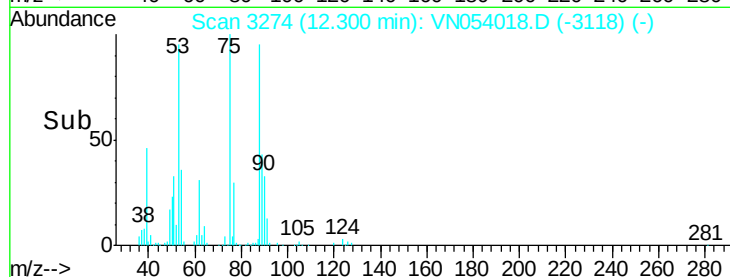
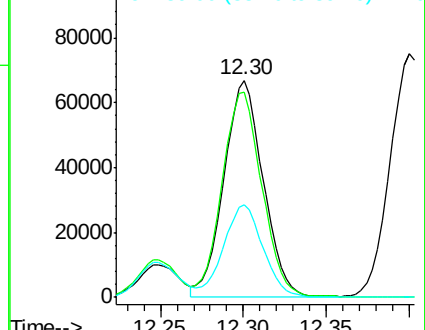
89 42.7 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 51.419 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054018.D

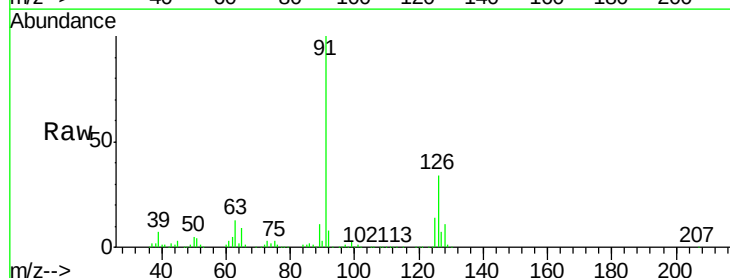
Acq: 1 Mar 2019 9:43

Tgt Ion: 91 Resp: 1123169

Ion Ratio Lower Upper

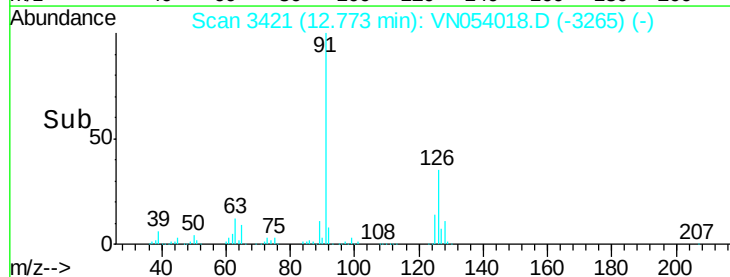
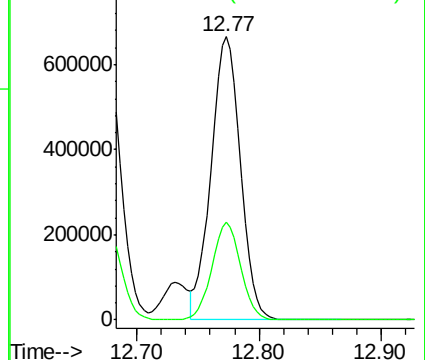
91 100

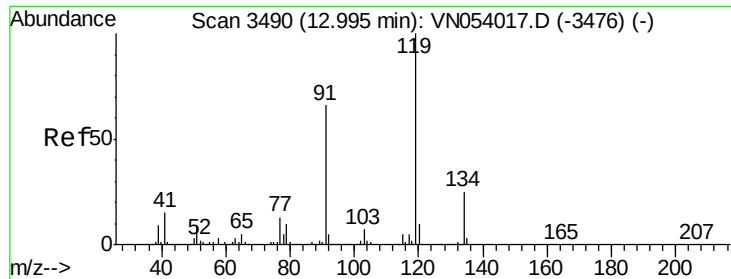
126 33.6 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 50.724 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

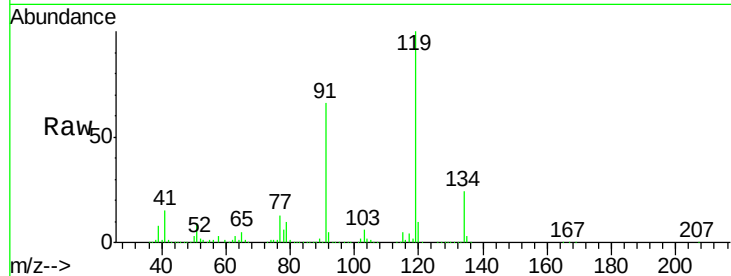
Tot Ion:119 Resp: 1178637

Ion Ratio Lower Upper

119 100

91 64.2 0.0 129.8

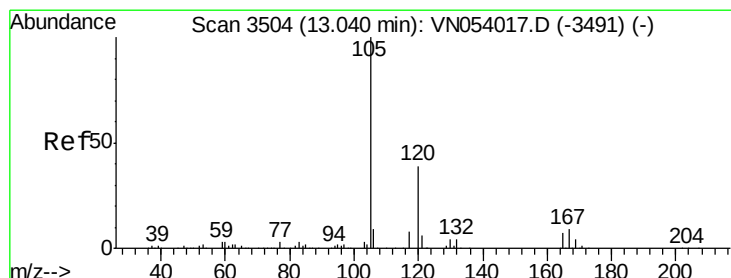
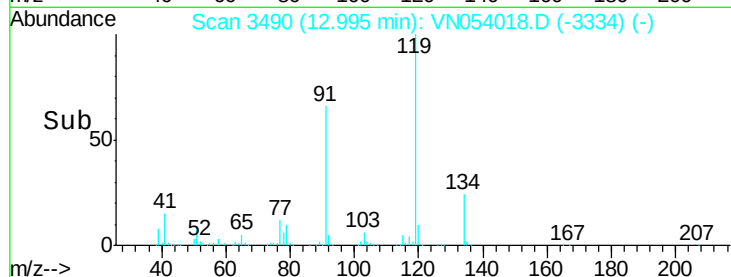
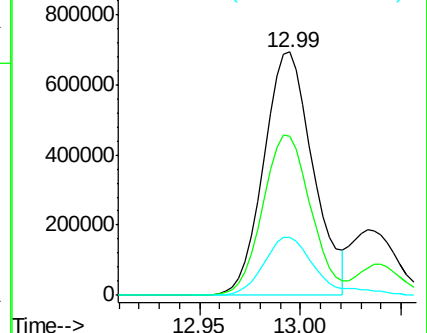
134 25.4 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 52.223 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054018.D

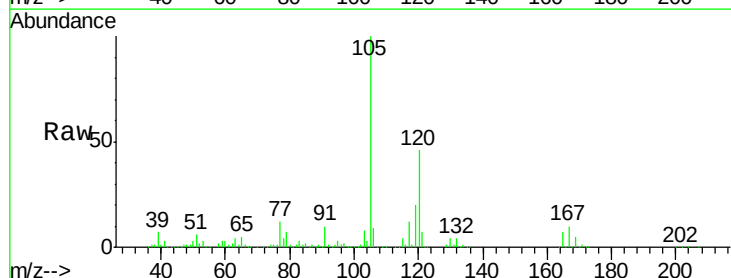
Acq: 1 Mar 2019 9:43

Tgt Ion:105 Resp: 1378284

Ion Ratio Lower Upper

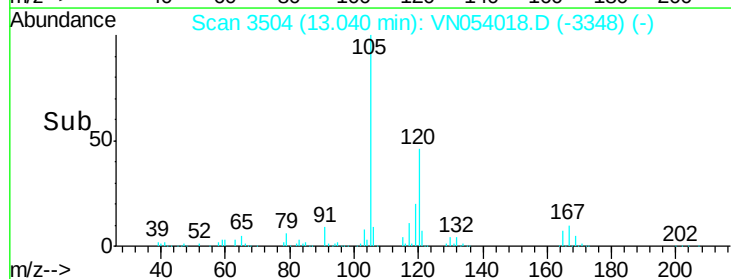
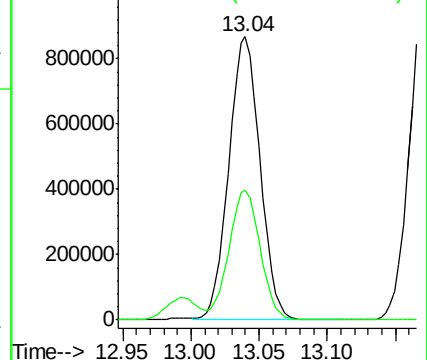
105 100

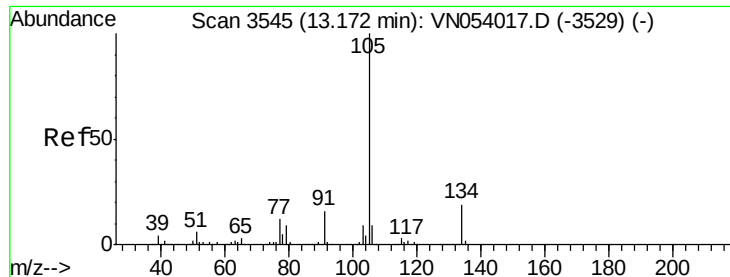
120 45.7 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

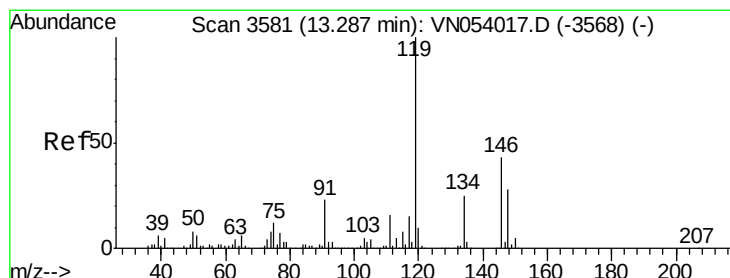
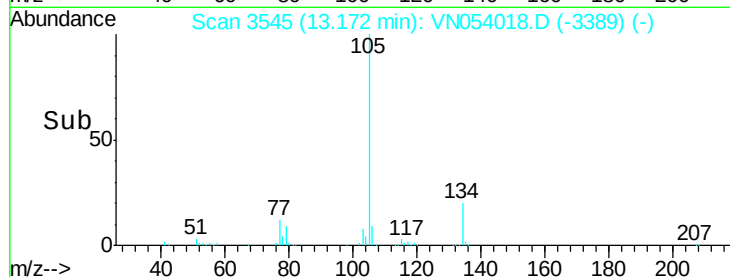
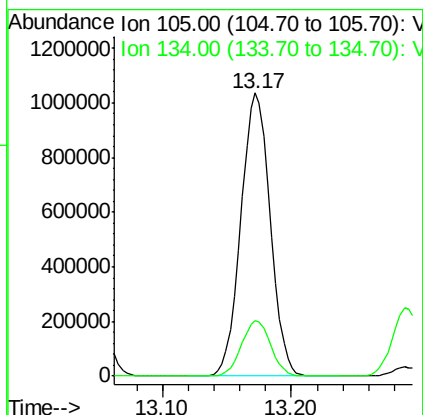
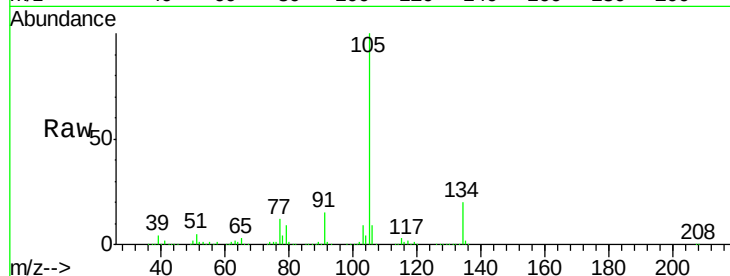




#81
 sec-Butylbenzene
 Concen: 51.251 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

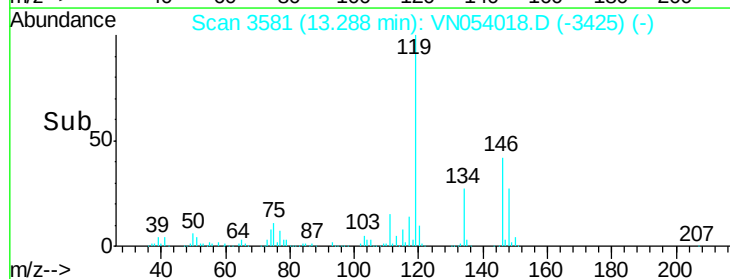
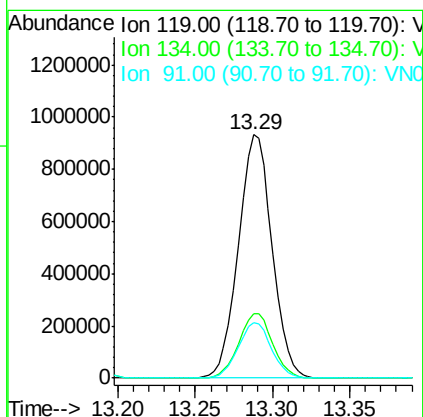
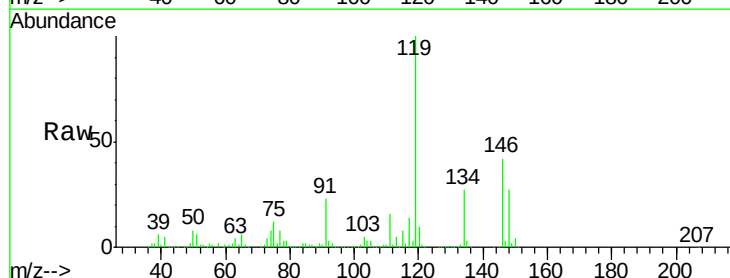
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

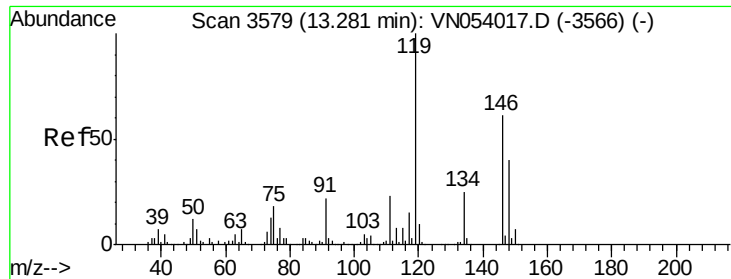
Tot Ion:105 Resp: 1633291
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 51.711 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion:119 Resp: 1407126
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.6 0.0 46.2

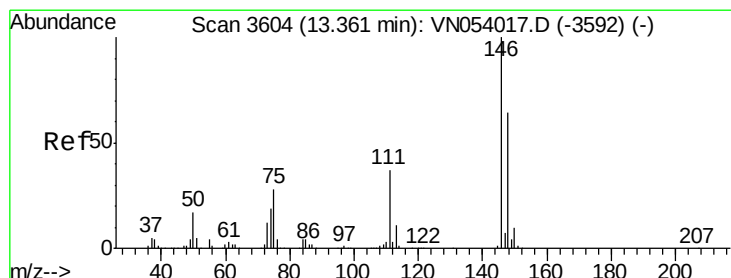
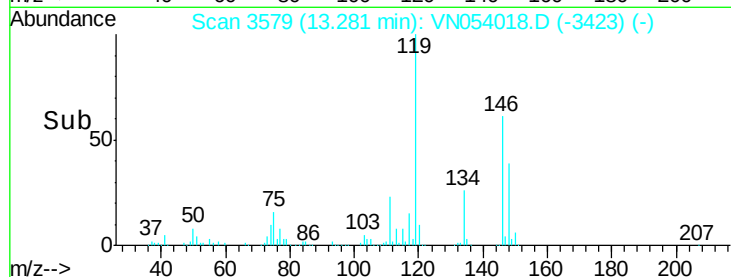
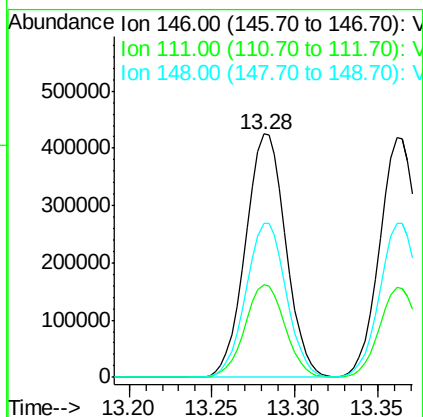
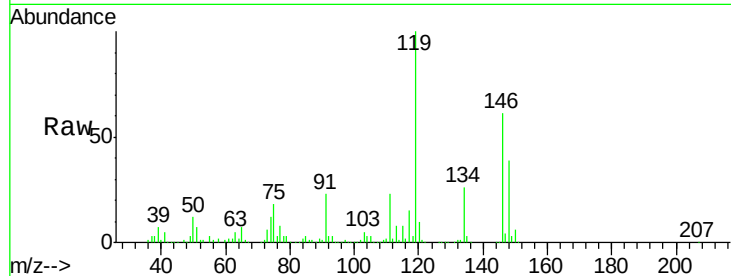




#83
 1,3-Dichlorobenzene
 Concen: 51.658 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

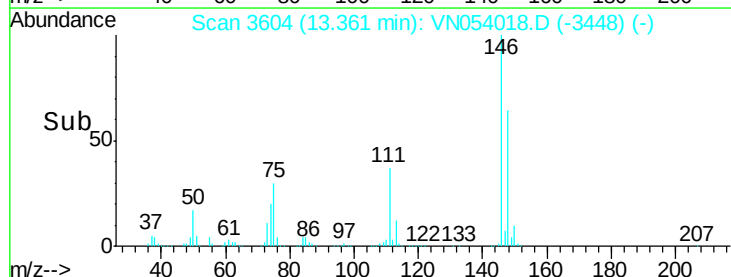
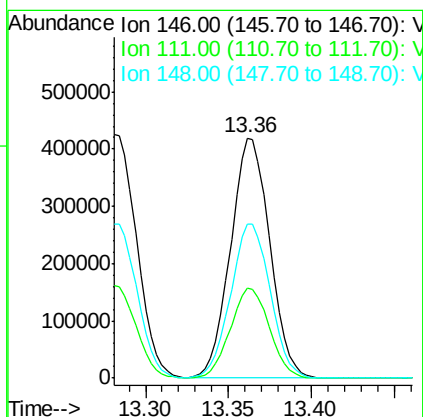
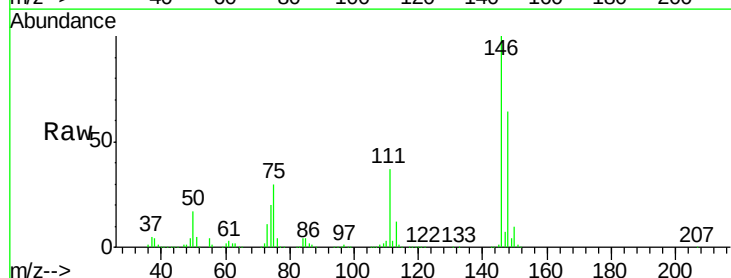
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

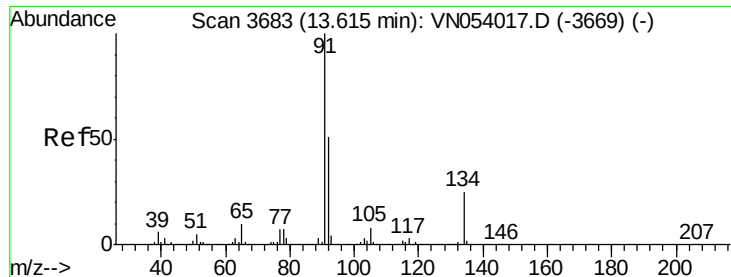
Tot Ion:146 Resp: 719145
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.7 59.0
 148 63.4 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 51.764 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion:146 Resp: 688020
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.3
 148 64.9 32.5 97.4





#85

n-Butylbenzene

Concen: 52.883 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

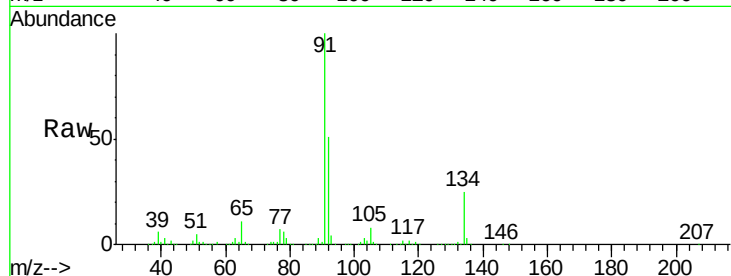
Tot Ion: 91 Resp: 1254194

Ion Ratio Lower Upper

91 100

92 51.6 0.0 104.2

134 25.3 0.0 50.6

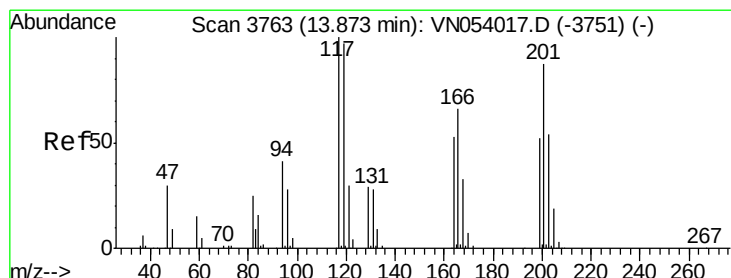
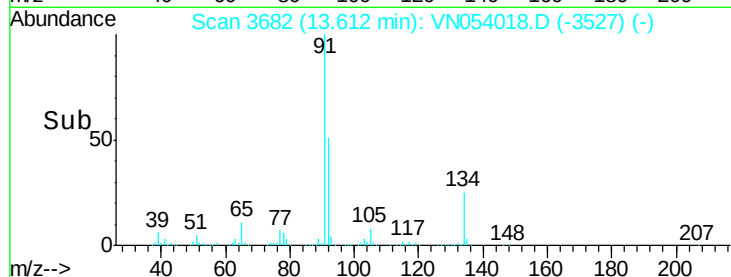


Abundance Ion 91.00 (90.70 to 91.70): VN054018.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054018.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054018.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 49.109 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054018.D

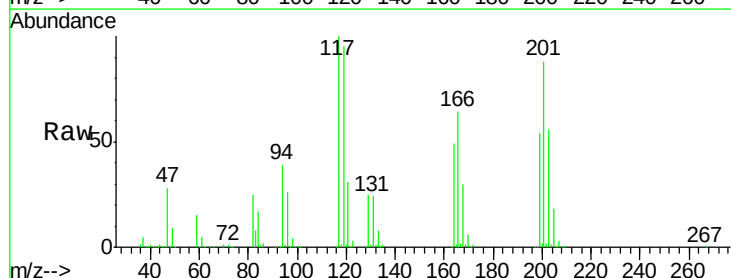
Acq: 1 Mar 2019 9:43

Tgt Ion: 117 Resp: 249841

Ion Ratio Lower Upper

117 100

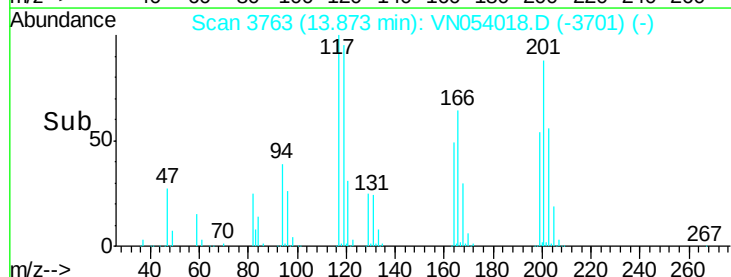
201 89.2 43.8 131.3

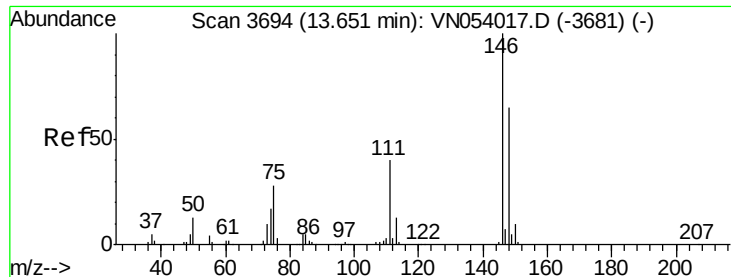


Abundance Ion 117.00 (116.70 to 117.70): VN054018.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054018.D (-3751) (-)

Time-->

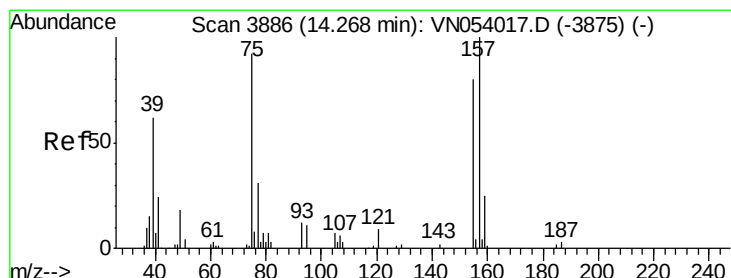
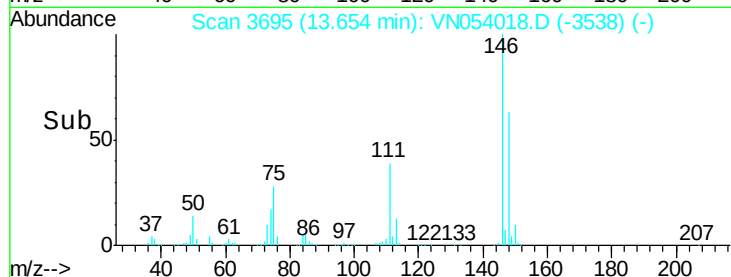
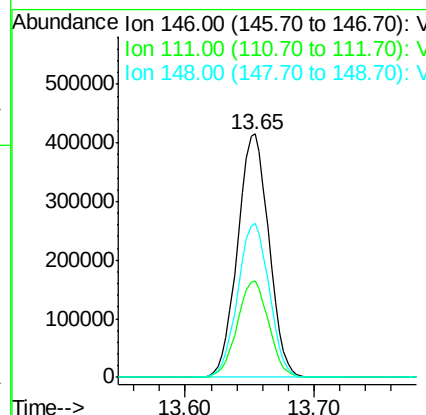
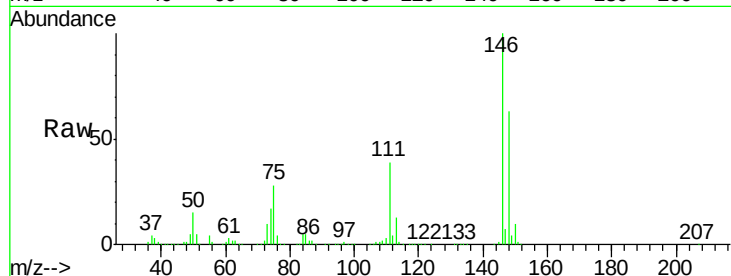




#87
 1,2-Dichlorobenzene
 Concen: 51.873 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

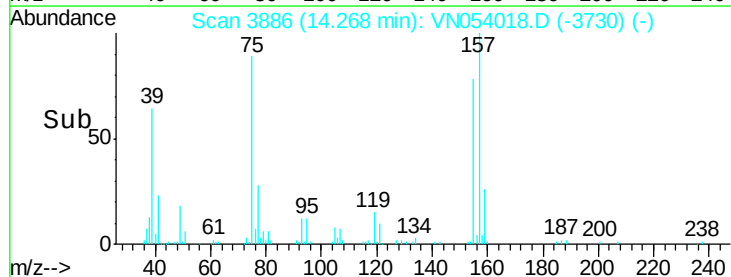
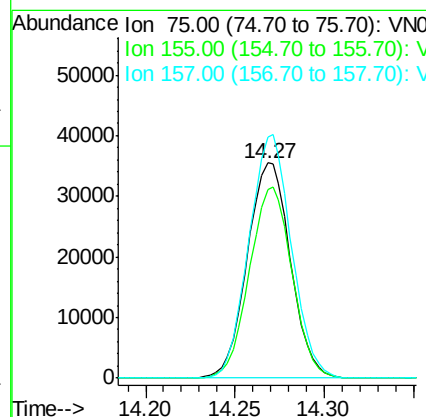
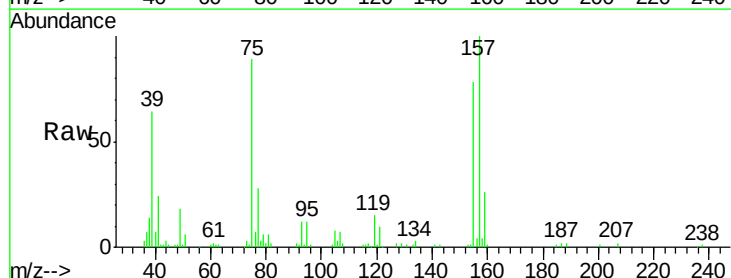
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

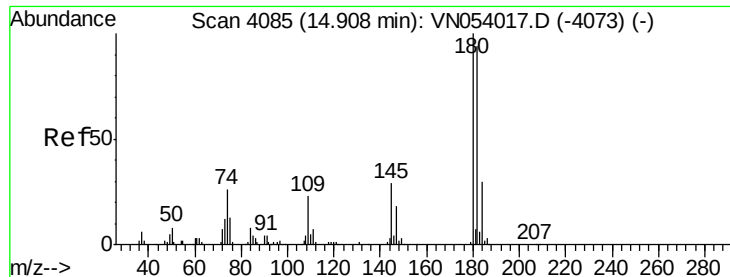
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	63.6	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 53.919 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	72.2	108.2
157	111.2	94.2	141.2

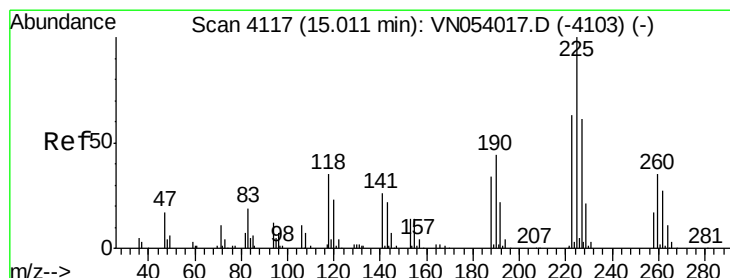
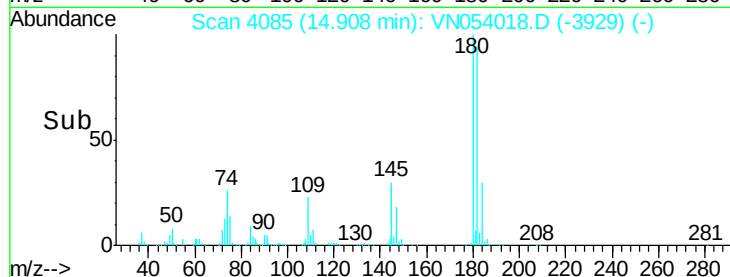
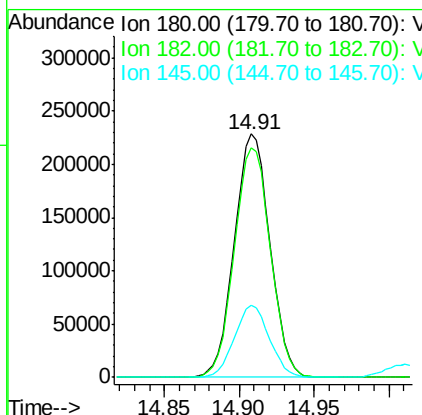
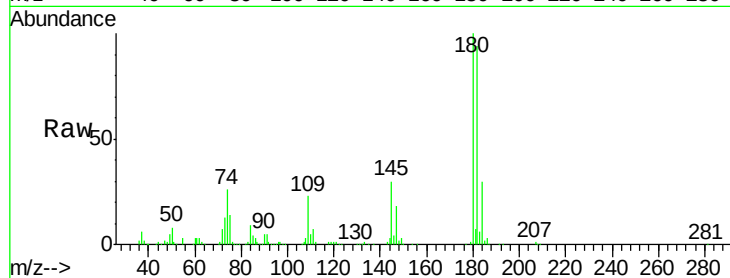




#89
 1,2,4-Trichlorobenzene
 Concen: 55.192 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

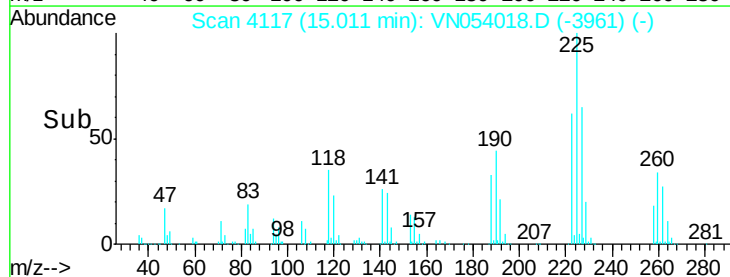
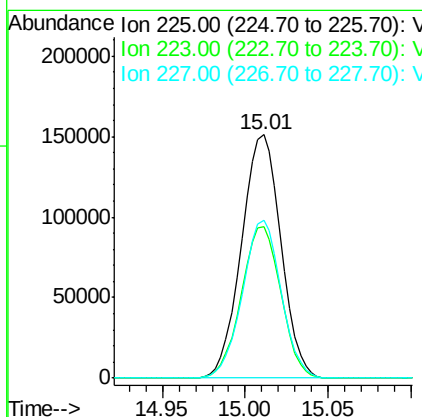
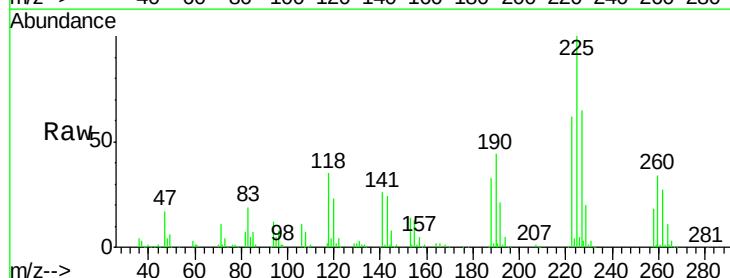
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

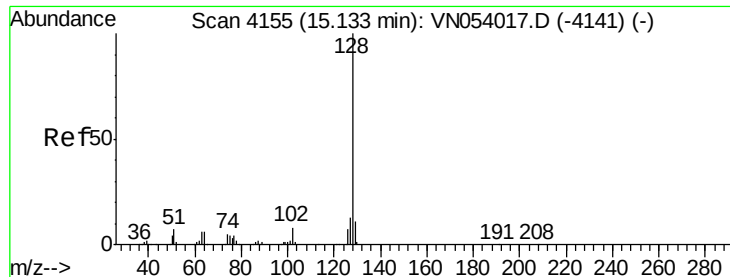
Tot Ion:180 Resp: 378568
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 29.1 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 50.324 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion:225 Resp: 250788
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 125.6
 227 63.4 0.0 127.8





#91

Naphthalene

Concen: 48.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

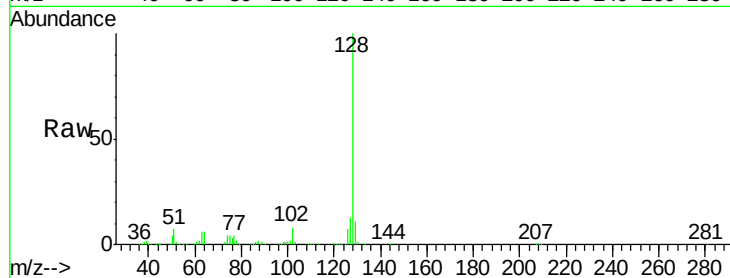
Tot Ion:128 Resp: 782791

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

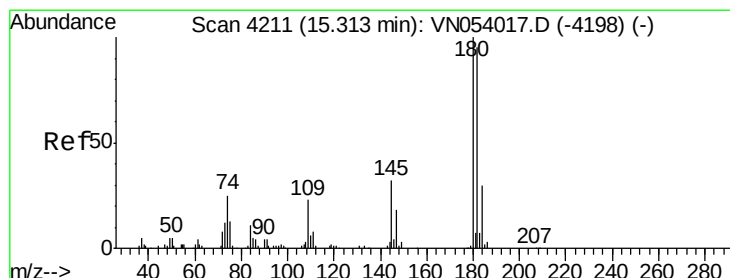
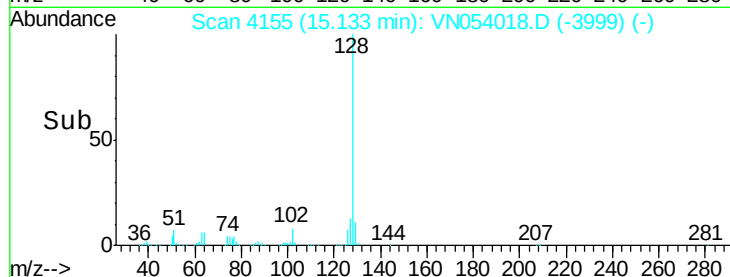
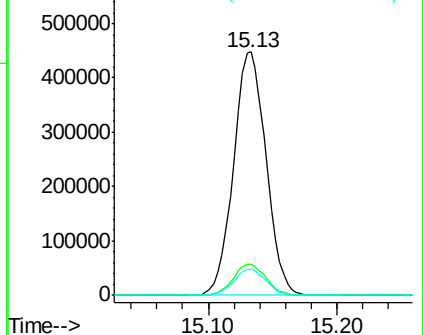
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 54.012 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

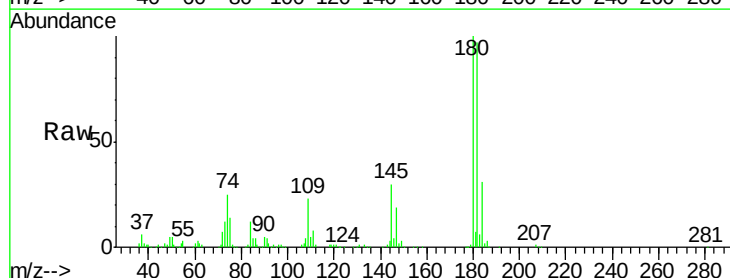
Tgt Ion:180 Resp: 365847

Ion Ratio Lower Upper

180 100

182 96.5 0.0 196.2

145 30.4 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

