

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054030.D
 Acq On : 1 Mar 2019 15:26
 Operator : JC/SP
 Sample : VSTDCCC020EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Mar 01 23:47:59 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	114431	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	620054	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	538961	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	241517	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	250859	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	10.09	98	785207	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	128829	19.912	ug/l 99
3) Chloromethane	2.06	50	176234	20.477	ug/l 98
4) Vinyl Chloride	2.19	62	172132	19.973	ug/l 98
5) Bromomethane	2.57	94	105522	19.904	ug/l 96
6) Chloroethane	2.71	64	100927	19.891	ug/l 91
7) Trichlorofluoromethane	3.02	101	212291	20.274	ug/l 99
8) Diethyl Ether	3.41	74	79698	20.238	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132950	19.749	ug/l 97
10) 1,1-Dichloroethene	3.74	96	124707	19.771	ug/l 92
11) Methyl Iodide	3.96	142	175982	18.810	ug/l 99
12) Methyl Acetate	4.33	43	106841	20.090	ug/l 98
13) Acrolein	3.61	56	36481	79.722	ug/l 99
14) Acrylonitrile	4.99	53	258949	101.325	ug/l 98
15) Acetone	3.82	58	63202	85.815	ug/l 96
16) Carbon Disulfide	4.06	76	399077	19.501	ug/l 99
17) Allyl chloride	4.33	41	227967	20.436	ug/l 97
18) Methylene Chloride	4.55	84	147049	20.189	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	135658	19.825	ug/l 97
20) Diisopropyl ether	5.95	45	448403	20.095	ug/l 97
21) 1,1-Dichloroethane	5.85	63	264691	20.085	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	152617	20.034	ug/l 97
23) tert-Butyl Alcohol	4.79	59	51963	113.520	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	353228	20.686	ug/l 100
25) Chloroform	7.37	83	253780	19.958	ug/l 99
26) Cyclohexane	7.66	56	244367	20.375	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	195354	20.114	ug/l 99
30) 2-Butanone	6.84	43	300300	97.927	ug/l 98
31) 2,2-Dichloropropane	6.83	77	180047	18.800	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	211077	20.205	ug/l 99
33) Carbon Tetrachloride	7.78	117	183811	19.872	ug/l 99
34) Benzene	8.04	78	581037	20.130	ug/l 97
35) Methacrylonitrile	7.21	41	199922	58.306	ug/l # 53
36) 1,2-Dichloroethane	8.13	62	188456	20.332	ug/l 99
37) Trichloroethene	8.84	130	154903	20.558	ug/l 100
38) Methylcyclohexane	9.08	83	225204	19.646	ug/l 98
39) 1,2-Dichloropropane	9.12	63	160350	20.278	ug/l 99
40) Dibromomethane	9.21	93	91995	20.294	ug/l 100

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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	191082	19.866	ug/l	99
42) Vinyl Acetate	5.90	43	1593772	100.600	ug/l	100
43) Ethyl Acetate	6.93	43	126577	19.706	ug/l #	69
44) Isopropyl Acetate	8.17	43	232609	20.638	ug/l	96
45) 1,4-Dioxane	9.20	88	30301	456.073	ug/l	96
46) Methyl methacrylate	9.20	41	108373	20.018	ug/l	97
47) n-amyl Acetate	12.07	43	169096	20.424	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	182972	18.973	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	220191	19.444	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	131521	20.683	ug/l	99
51) Ethyl methacrylate	10.43	69	153138	20.005	ug/l	98
52) 1,3-Dichloropropane	10.71	76	220966	20.247	ug/l	98
53) Dibromochloromethane	10.90	129	137088	19.620	ug/l	98
54) 1,2-Dibromoethane	11.01	107	120826	19.947	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	361669	101.811	ug/l	99
56) Bromoform	12.13	173	88790	19.138	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	637100	104.906	ug/l	95
59) 2-Hexanone	10.75	43	402136	101.348	ug/l	97
61) Tetrachloroethene	10.63	164	152242	20.319	ug/l	96
62) Toluene	10.16	91	611841	20.313	ug/l	99
64) Chlorobenzene	11.44	112	366253	19.969	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	134410	19.958	ug/l	100
66) Ethyl Benzene	11.51	91	627706	19.937	ug/l	100
67) m/p-Xylenes	11.62	106	484417	40.865	ug/l	99
68) o-Xylene	11.95	106	232535	20.236	ug/l	99
69) Styrene	11.96	104	367647	20.205	ug/l	99
70) Isopropylbenzene	12.25	105	613108	20.329	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	151299	20.325	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	184558	32.652	ug/l	43
73) Bromobenzene	12.53	156	149920	19.716	ug/l	99
74) n-propylbenzene	12.59	91	719170	20.025	ug/l	100
75) 2-Chlorotoluene	12.67	91	431404	20.513	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	516837	20.231	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36876	18.334	ug/l	99
78) 4-Chlorotoluene	12.77	91	427800	20.329	ug/l	100
79) tert-butylbenzene	12.99	119	444886	19.873	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	519755	20.442	ug/l	99
81) sec-Butylbenzene	13.17	105	609283	19.845	ug/l	99
82) p-Isopropyltoluene	13.29	119	518664	19.784	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	268935	20.052	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	249435	19.479	ug/l	100
85) n-Butylbenzene	13.62	91	435345	19.054	ug/l	98
86) Hexachloroethane	13.87	117	87151	17.781	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	260731	20.045	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21932	20.364	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	124937	18.907	ug/l	99
90) Hexachlorobutadiene	15.01	225	89520	18.646	ug/l	99
91) Naphthalene	15.13	128	250823	20.880	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	127186	19.490	ug/l	97

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

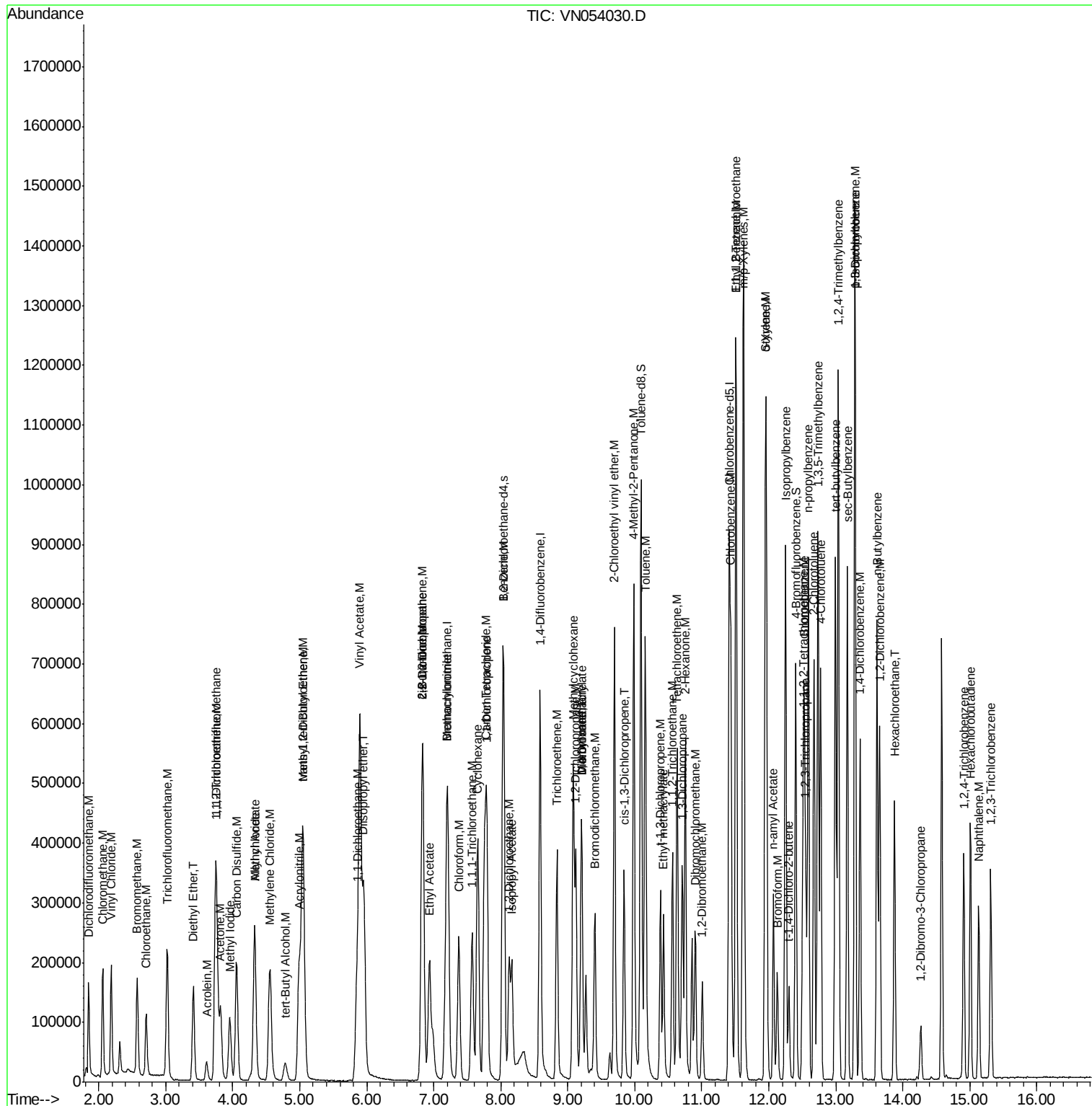
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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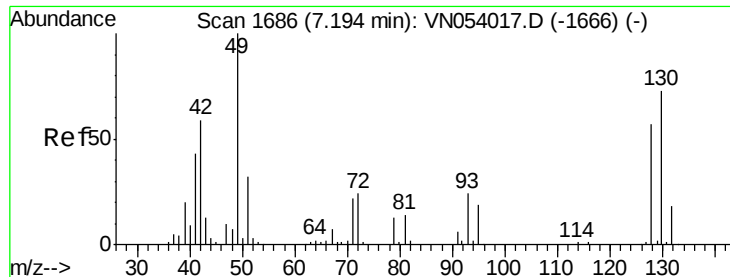
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054030.D
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Quant Time: Mar 01 23:47:59 2019
 Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

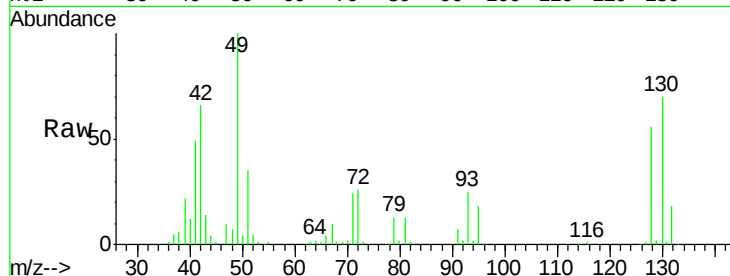
Tot Ion:128 Resp: 114431

Ion Ratio Lower Upper

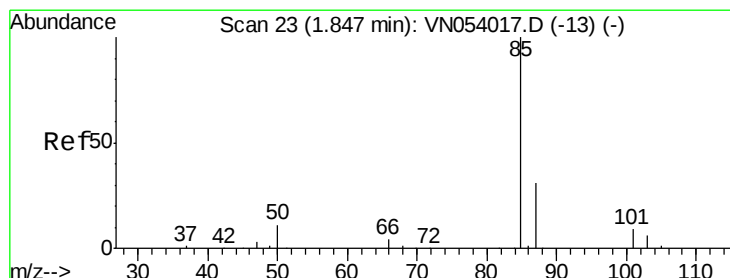
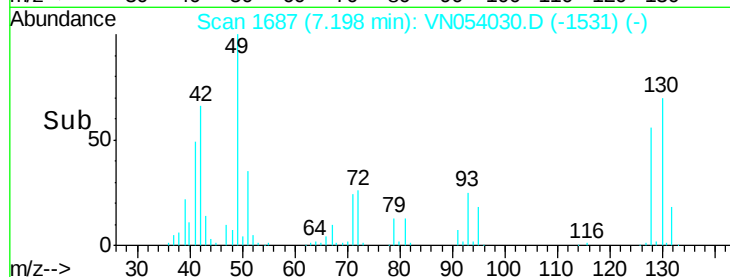
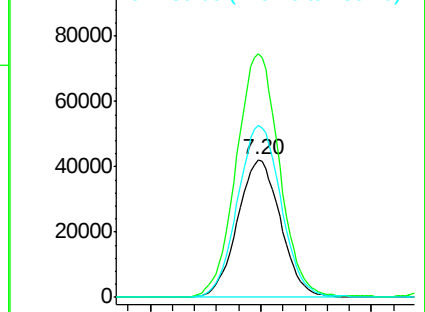
128 100

49 177.2 0.0 431.8

130 126.1 0.0 317.0



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



#2

Dichlorodifluoromethane

Concen: 19.912 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054030.D

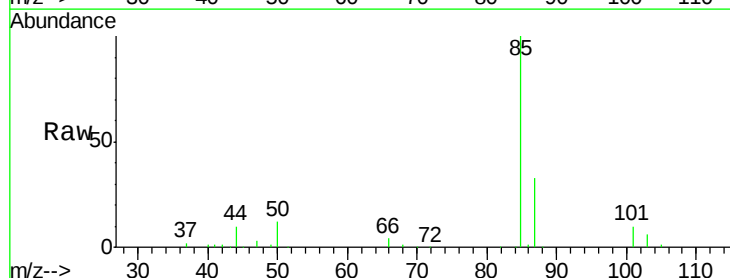
Acq: 1 Mar 2019 15:26

Tgt Ion: 85 Resp: 128829

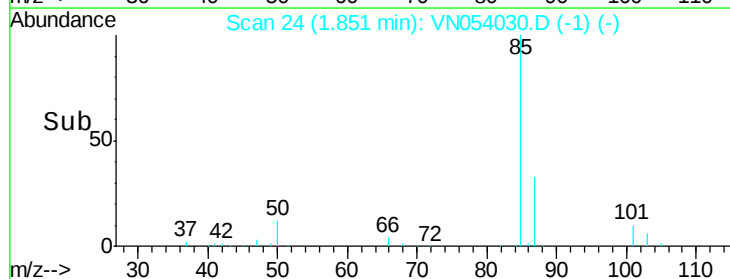
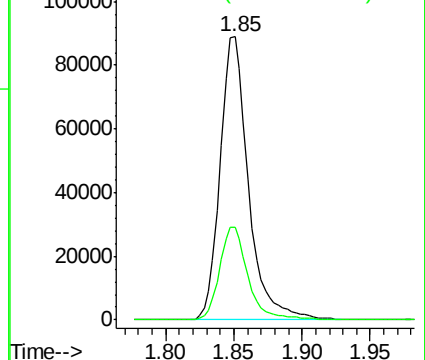
Ion Ratio Lower Upper

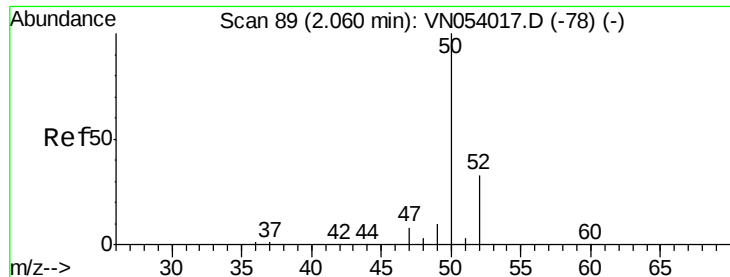
85 100

87 32.6 16.1 48.3



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





#3

Chloromethane

Concen: 20.477 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

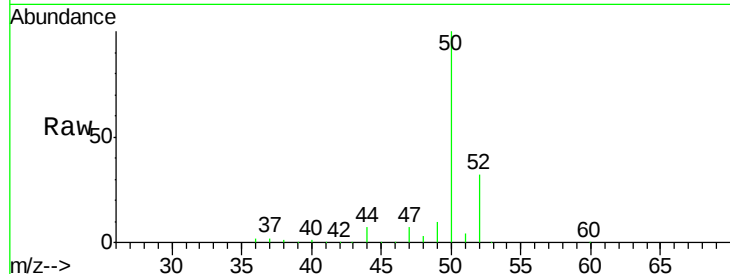
VSTDCCC020EC

Tot Ion: 50 Resp: 176234

Ion Ratio Lower Upper

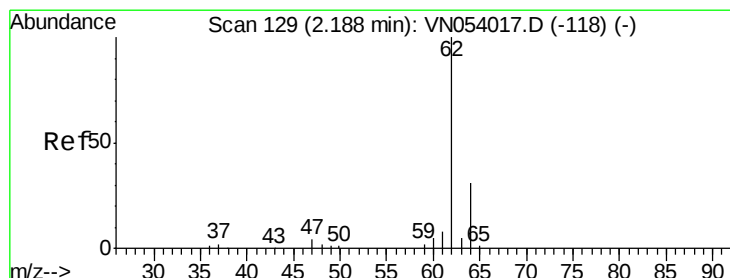
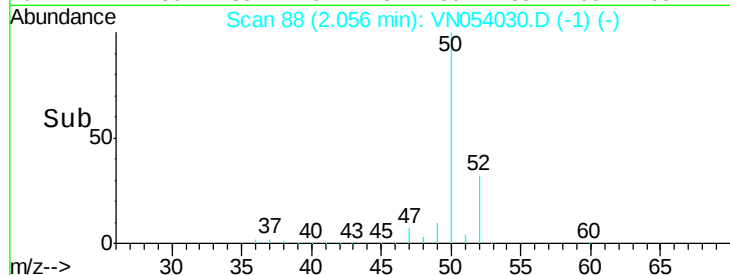
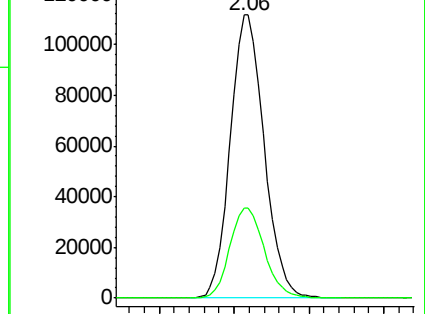
50 100

52 31.9 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.973 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054030.D

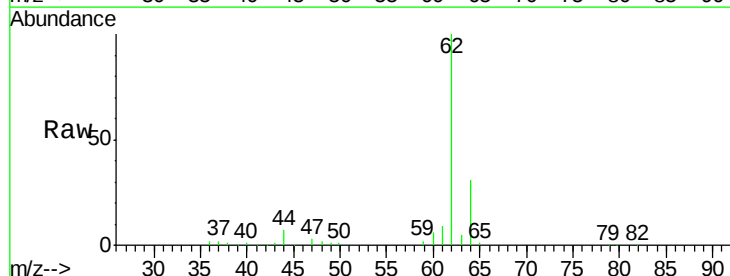
Acq: 1 Mar 2019 15:26

Tgt Ion: 62 Resp: 172132

Ion Ratio Lower Upper

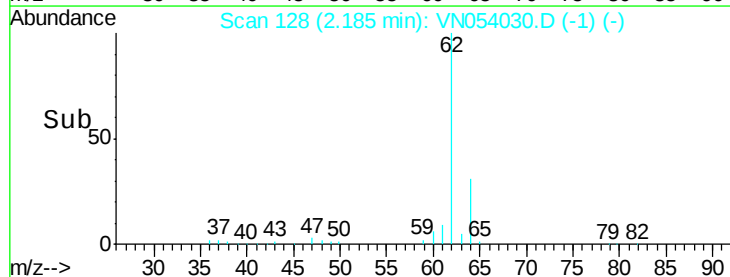
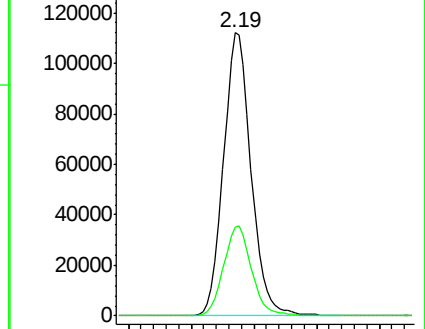
62 100

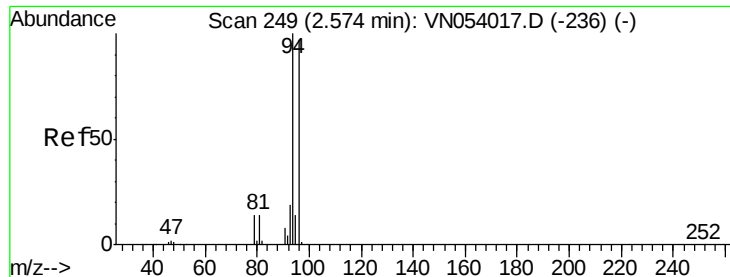
64 31.4 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.904 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

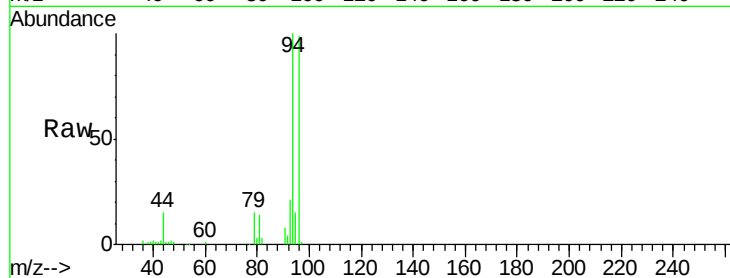
VSTDCCC020EC

Tot Ion: 94 Resp: 105522

Ion Ratio Lower Upper

94 100

96 98.8 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

60000

50000

40000

30000

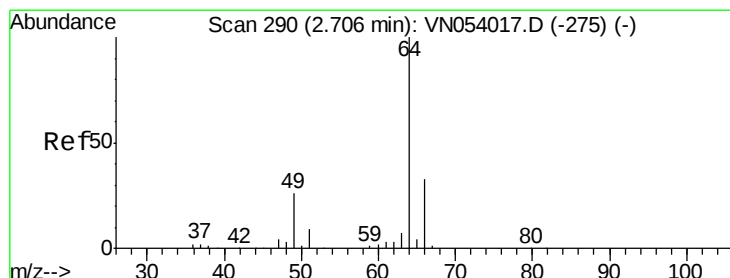
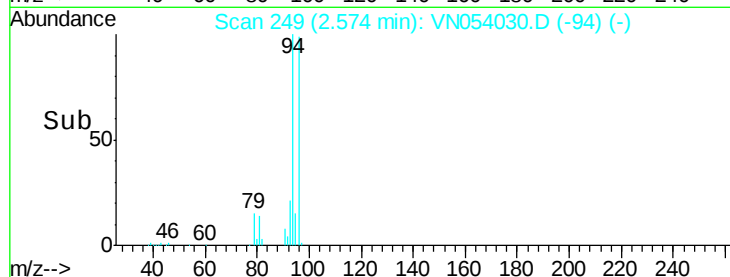
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.891 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054030.D

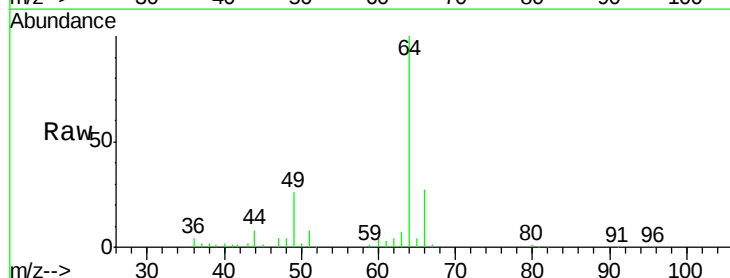
Acq: 1 Mar 2019 15:26

Tgt Ion: 64 Resp: 100927

Ion Ratio Lower Upper

64 100

66 27.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

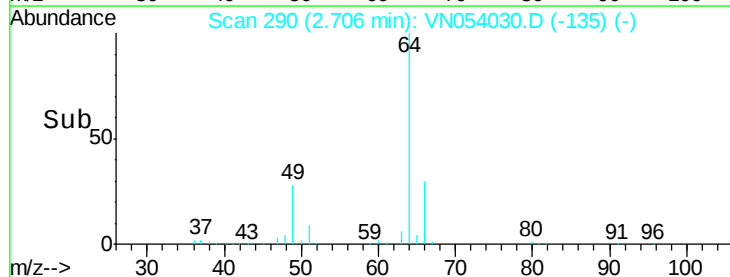
20000

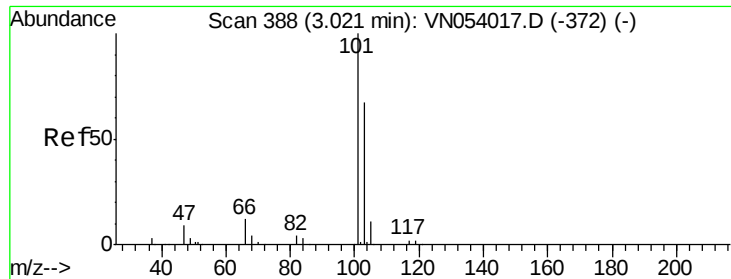
10000

0

Time-->

2.60 2.70 2.80



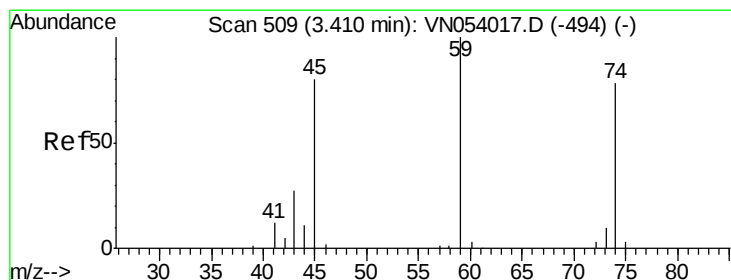
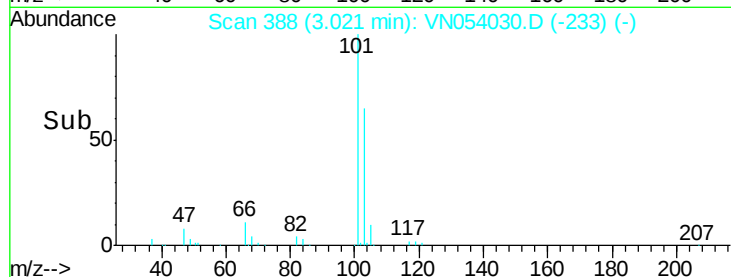
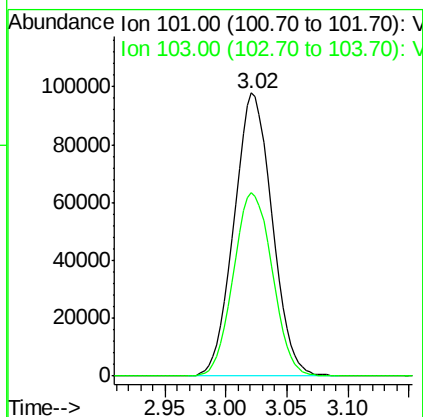
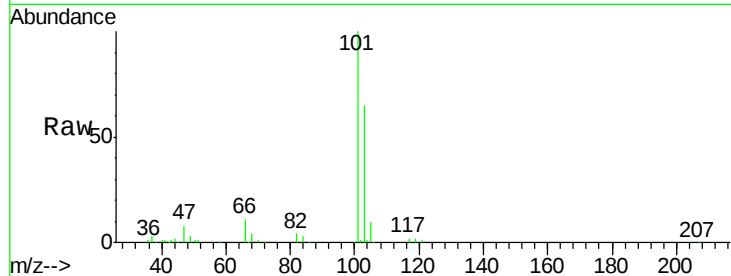


#7

Trichlorofluoromethane
 Concen: 20.274 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
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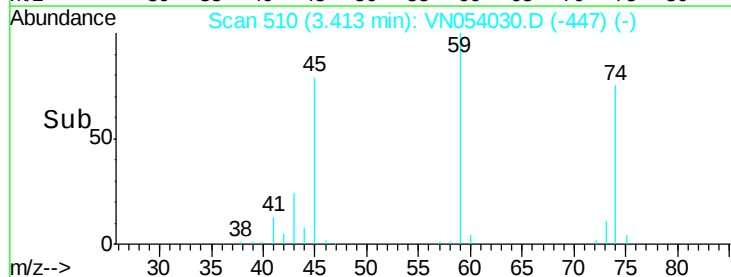
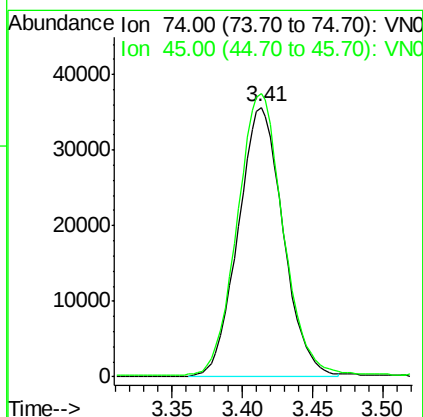
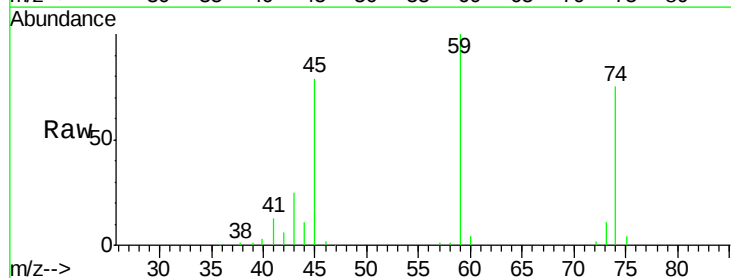
Tot Ion:101 Resp: 212291
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.1 78.1

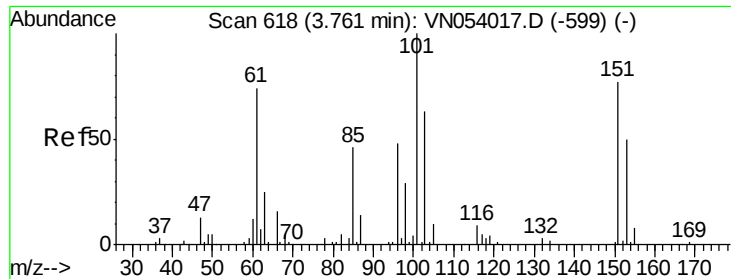


#8

Diethyl Ether
 Concen: 20.238 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 74 Resp: 79698
 Ion Ratio Lower Upper
 74 100
 45 107.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.749 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

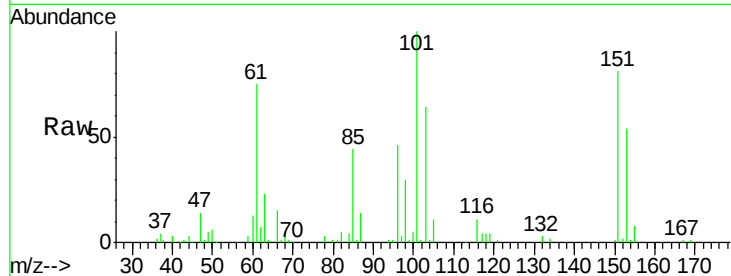
Tot Ion:101 Resp: 132950

Ion Ratio Lower Upper

101 100

85 44.3 0.0 82.6

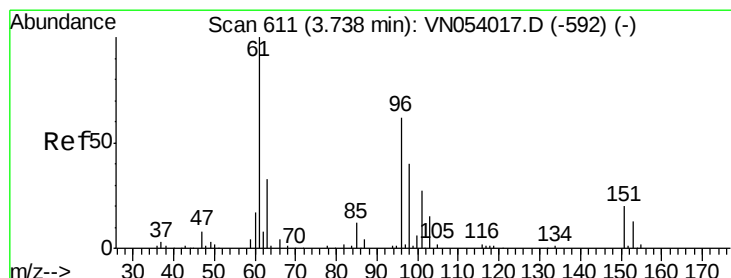
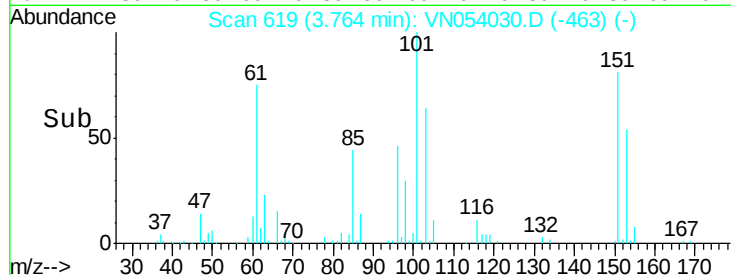
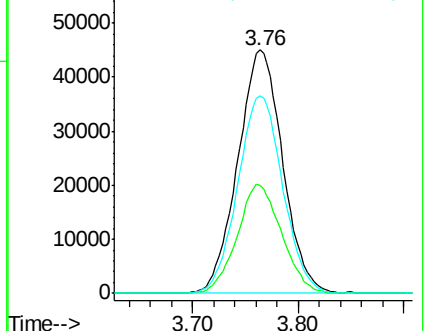
151 81.4 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.771 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

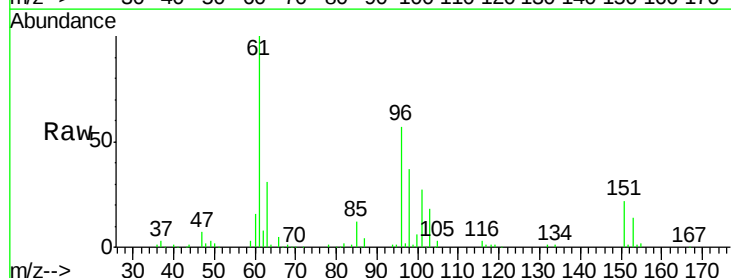
Tgt Ion: 96 Resp: 124707

Ion Ratio Lower Upper

96 100

61 174.7 129.4 194.2

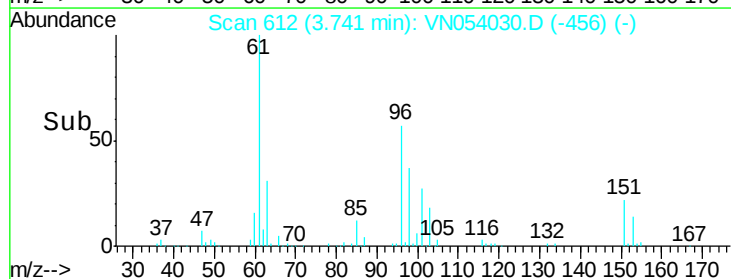
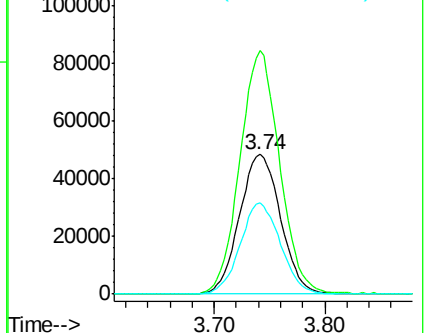
98 65.1 50.4 75.6

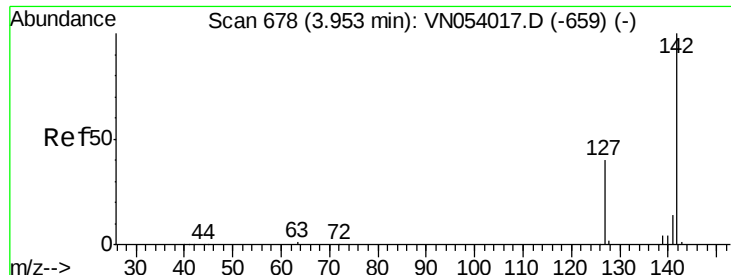


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

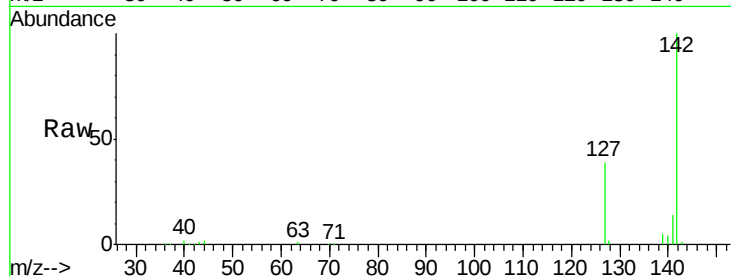




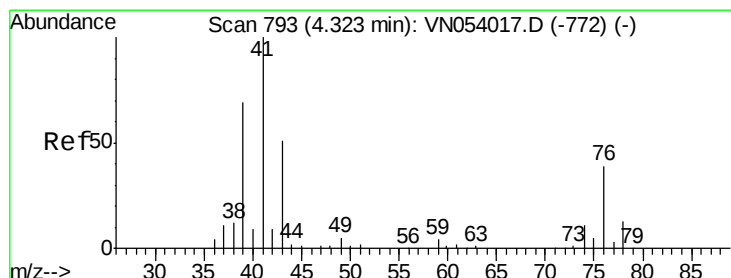
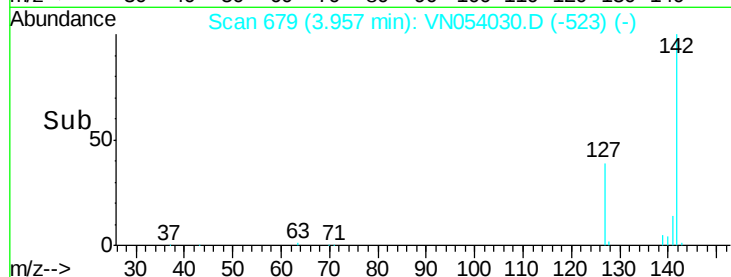
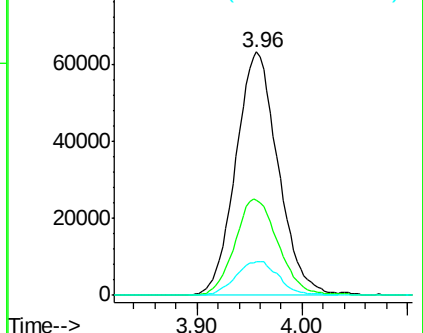
#11
Methyl Iodide
Concen: 18.810 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 175982
Ion Ratio Lower Upper
142 100
127 39.1 19.4 58.1
141 13.7 7.2 21.6

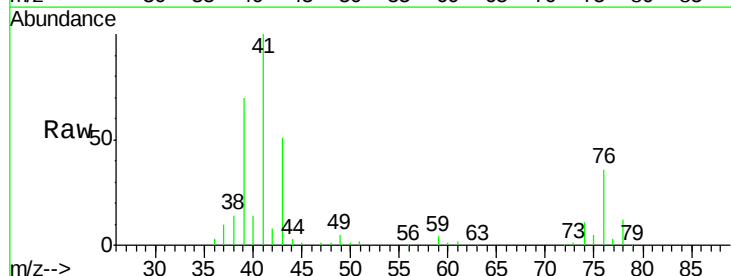


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

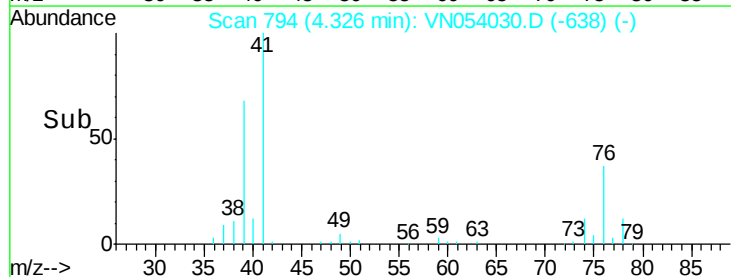
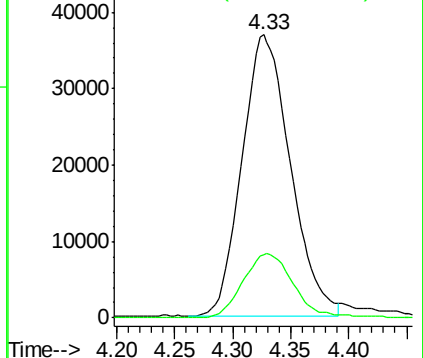


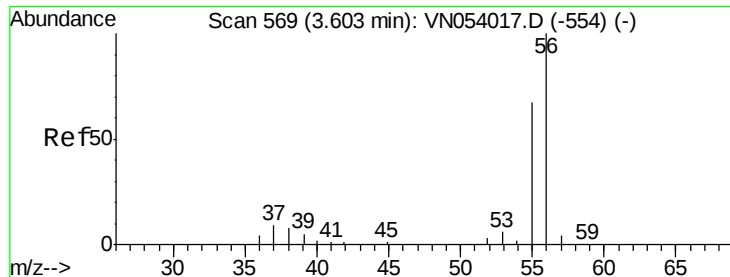
#12
Methyl Acetate
Concen: 20.090 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 43 Resp: 106841
Ion Ratio Lower Upper
43 100
74 22.7 18.9 28.3



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





#13

Acrolein

Concen: 79.722 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

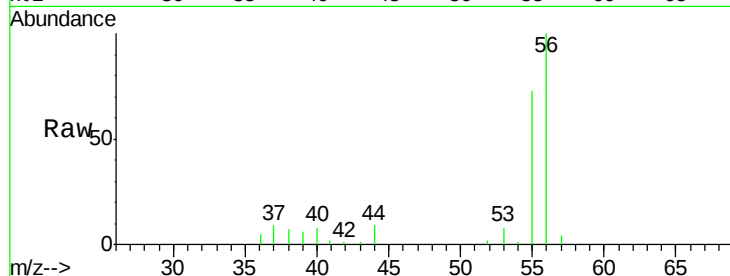
VSTDCCC020EC

Tot Ion: 56 Resp: 36481

Ion Ratio Lower Upper

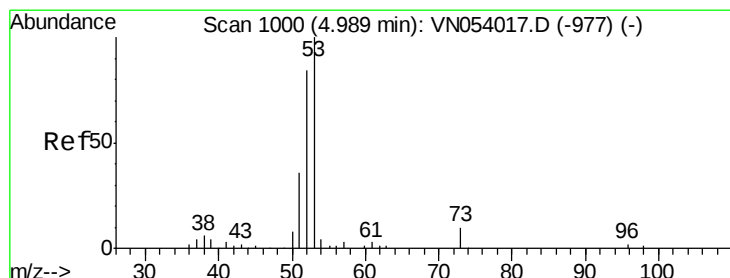
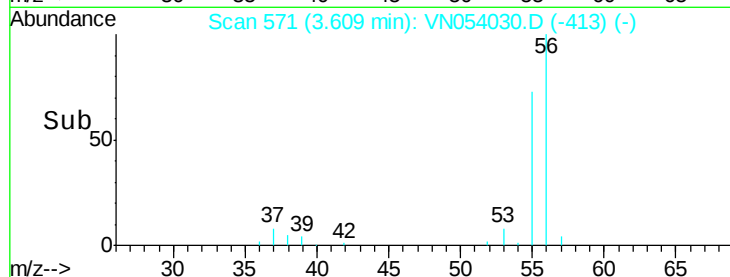
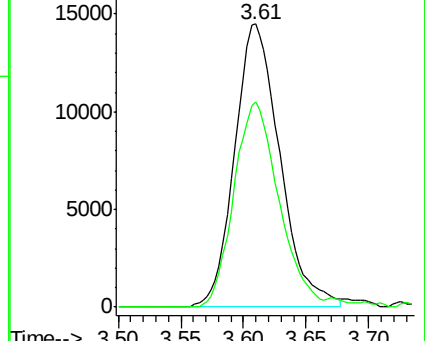
56 100

55 71.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.325 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

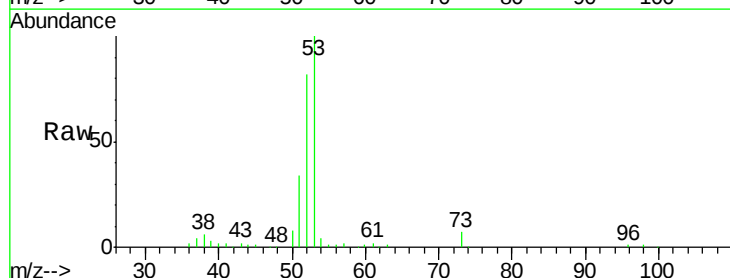
Tgt Ion: 53 Resp: 258949

Ion Ratio Lower Upper

53 100

52 82.0 39.9 119.7

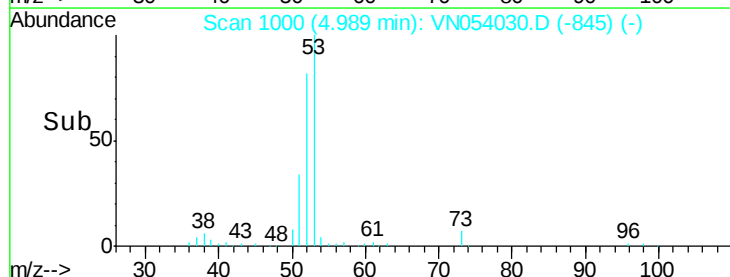
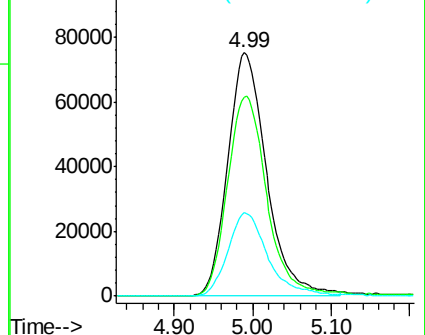
51 35.3 17.6 52.9

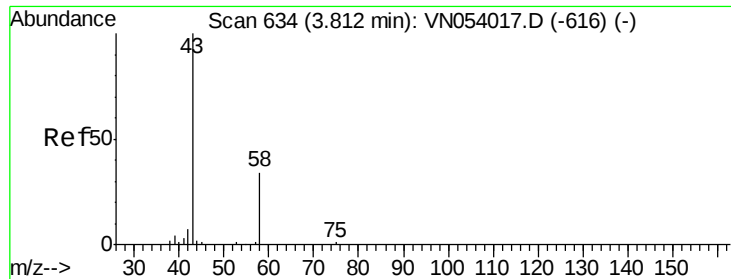


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

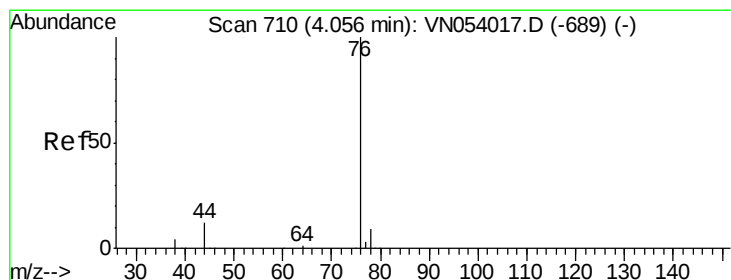
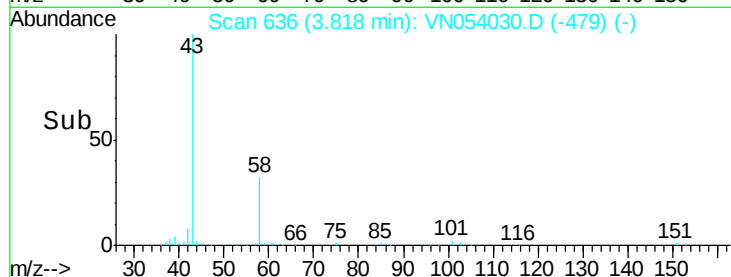
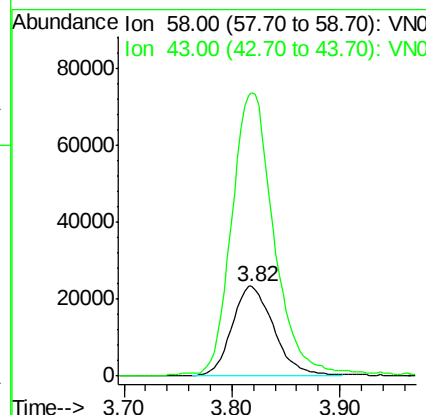
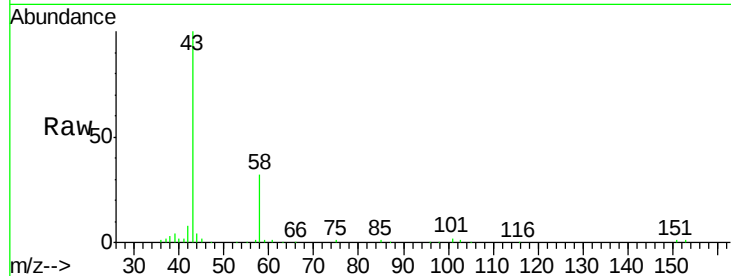




#15
Acetone
Concen: 85.815 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

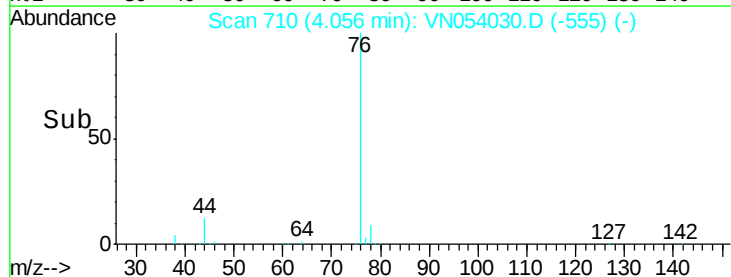
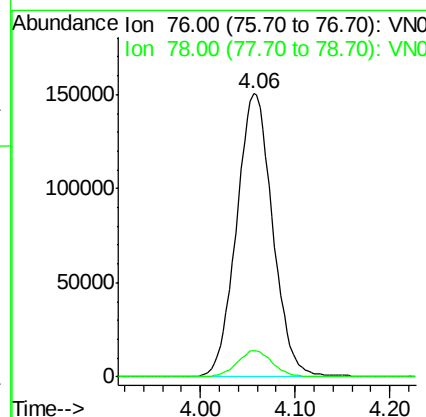
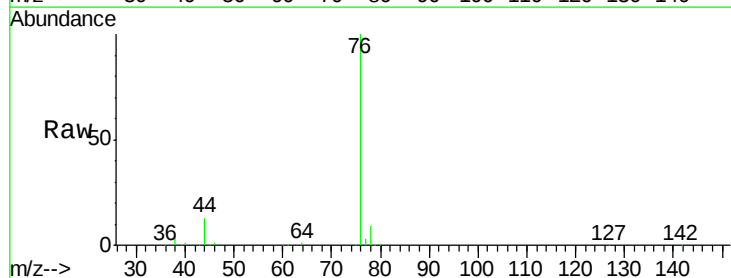
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

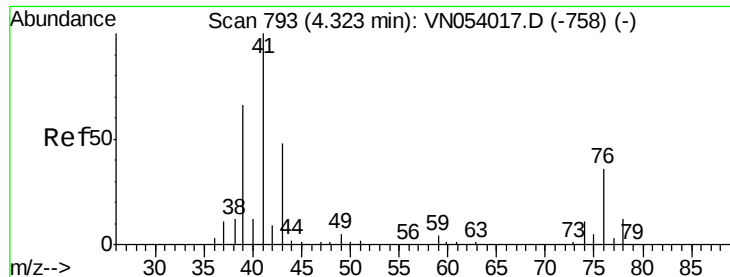
Tot Ion: 58 Resp: 63202
Ion Ratio Lower Upper
58 100
43 312.9 243.6 365.4



#16
Carbon Disulfide
Concen: 19.501 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 76 Resp: 399077
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

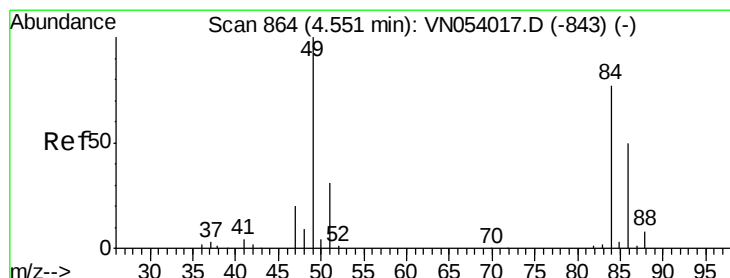
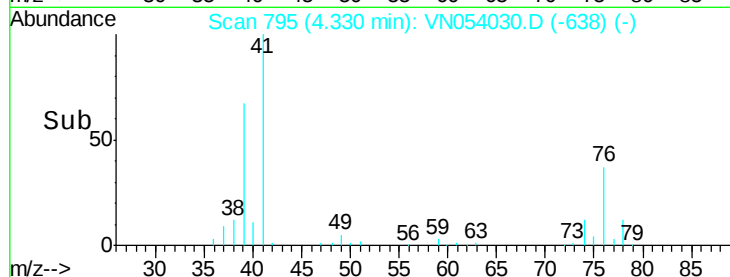
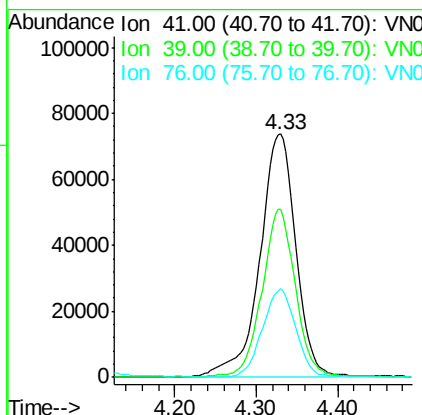
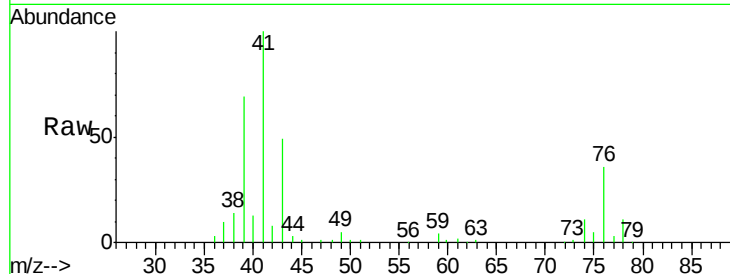




#17
Allvl chloride
Concen: 20.436 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

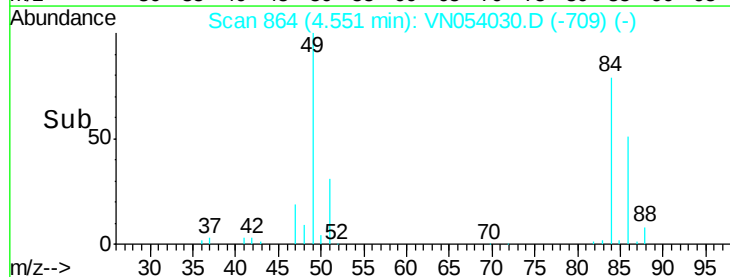
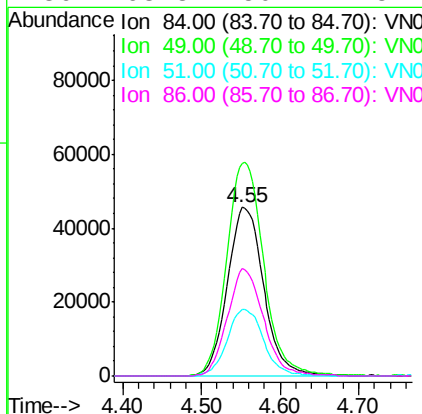
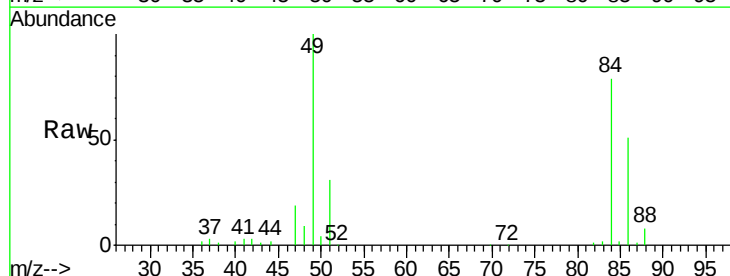
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

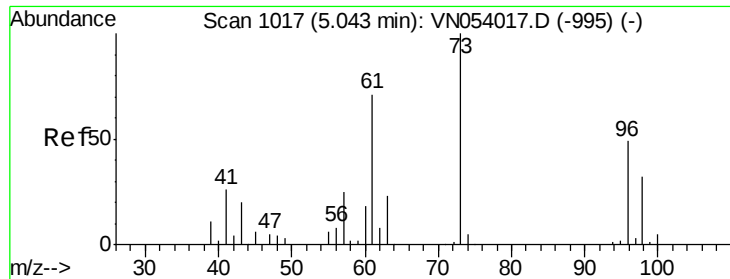
Tot Ion: 41 Resp: 227967
Ion Ratio Lower Upper
41 100
39 69.0 32.8 98.3
76 36.1 18.6 55.8



#18
Methylene Chloride
Concen: 20.189 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 84 Resp: 147049
Ion Ratio Lower Upper
84 100
49 125.8 101.4 152.0
51 39.3 31.7 47.5
86 63.8 50.1 75.1

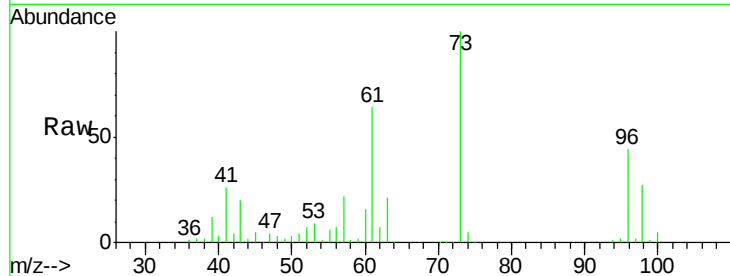




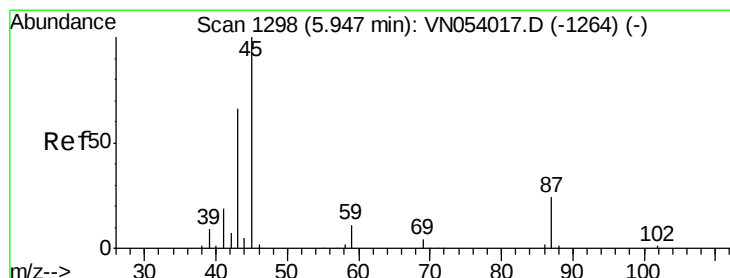
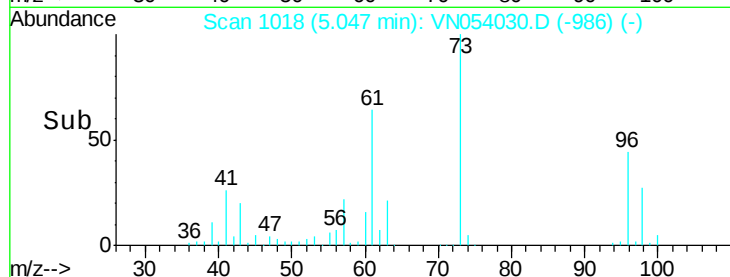
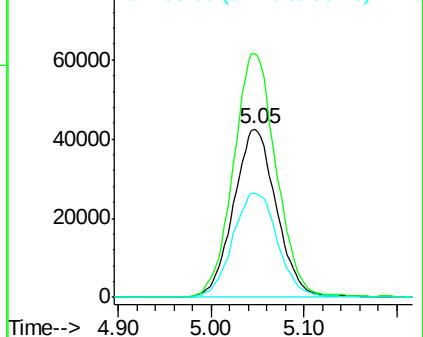
#19
trans-1,2-Dichloroethene
Concen: 19.825 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 135658
Ion Ratio Lower Upper
96 100
61 144.2 118.2 177.4
98 61.9 51.4 77.2

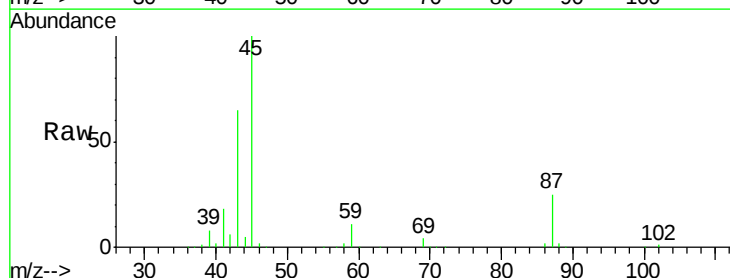


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

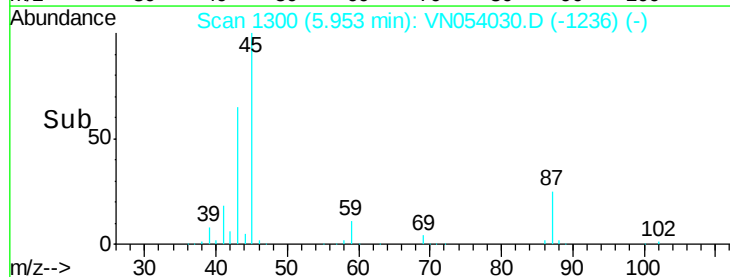
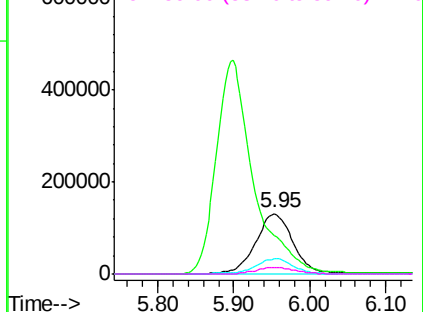


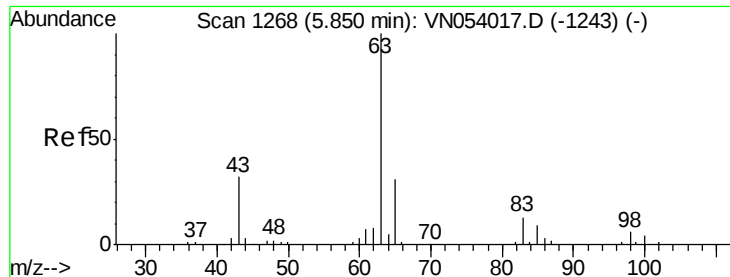
#20
Diisopropyl ether
Concen: 20.095 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.01 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 45 Resp: 448403
Ion Ratio Lower Upper
45 100
43 62.1 47.8 71.8
87 24.6 21.3 31.9
59 10.5 8.9 13.3



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





#21

1,1-Dichloroethane

Concen: 20.085 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

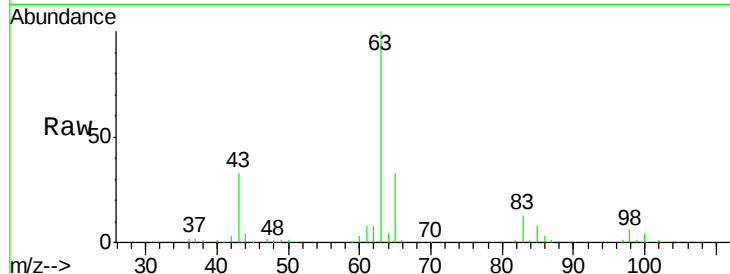
Tot Ion: 63 Resp: 264691

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

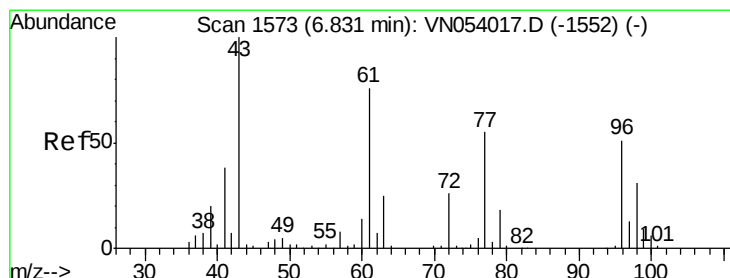
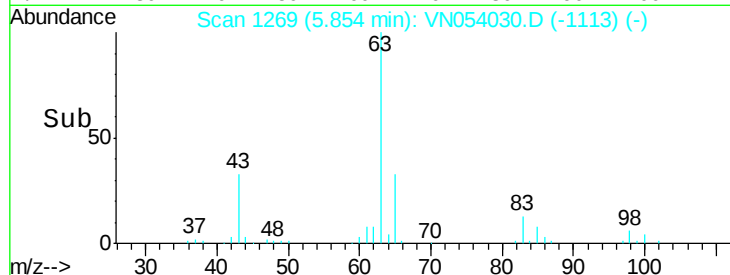
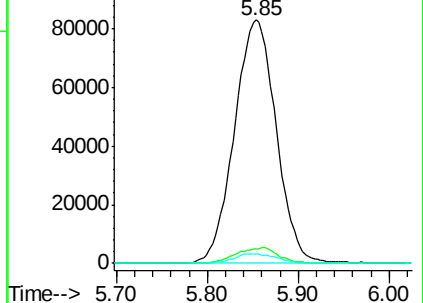
100 3.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN054030.D (-1113) (-)

Ion 98.00 (97.70 to 98.70): VN054030.D (-1113) (-)

Ion 100.00 (99.70 to 100.70): VN054030.D (-1113) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.034 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

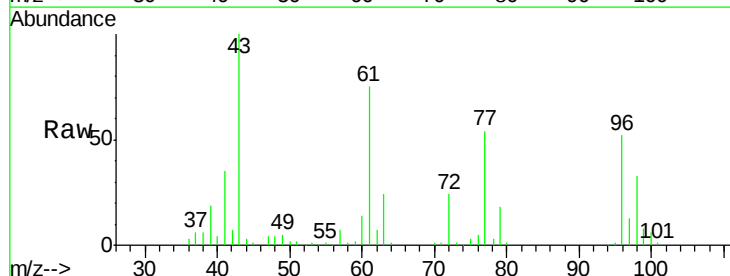
Tgt Ion: 96 Resp: 152617

Ion Ratio Lower Upper

96 100

61 150.6 116.7 175.1

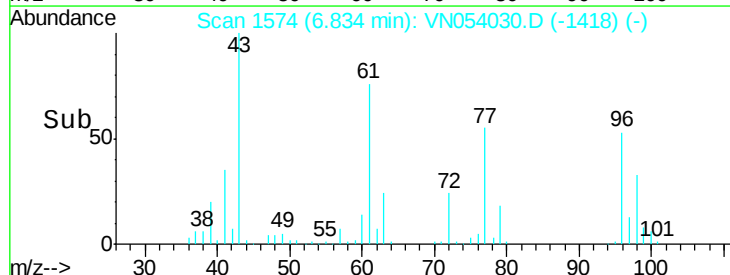
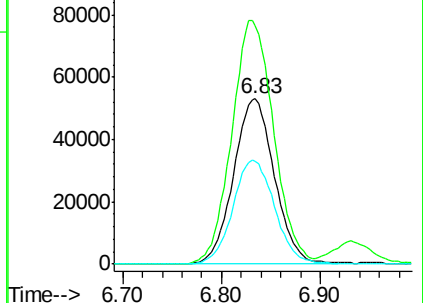
98 64.2 50.8 76.2

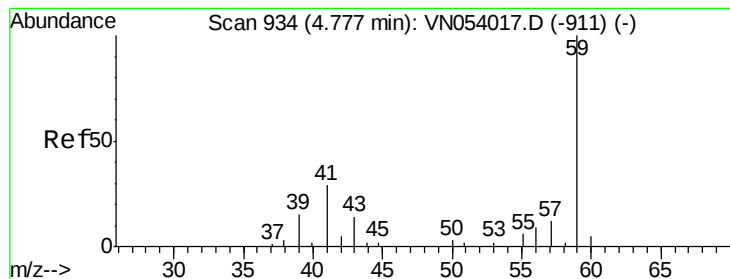


Abundance Ion 96.00 (95.70 to 96.70): VN054030.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN054030.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN054030.D (-1418) (-)



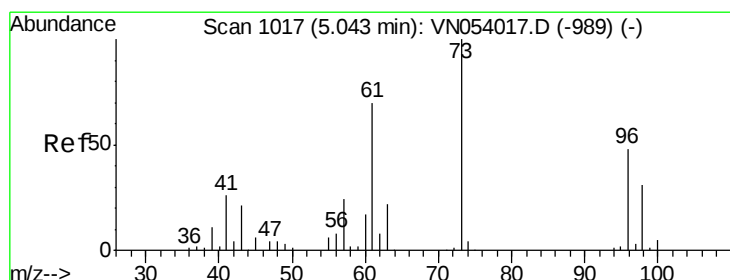
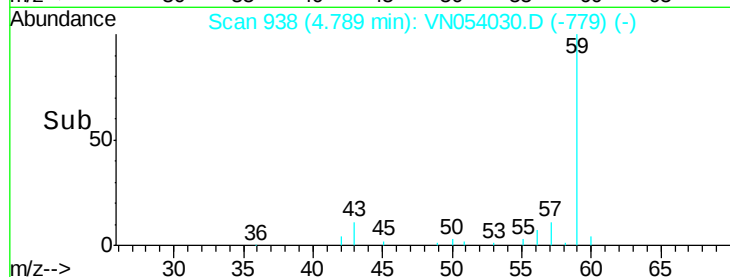
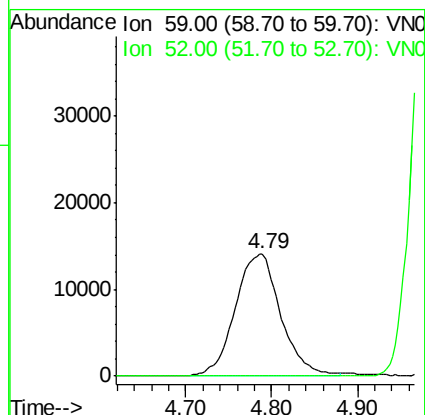
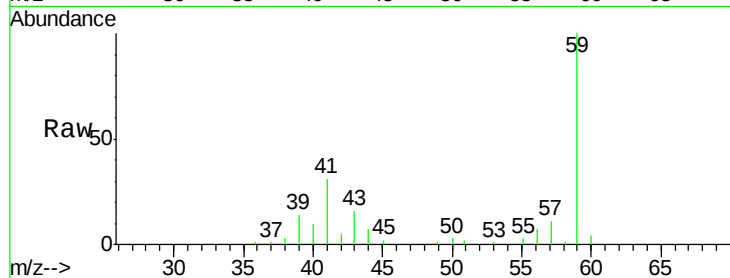


#23

tert-Butyl Alcohol
 Concen: 113.520 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

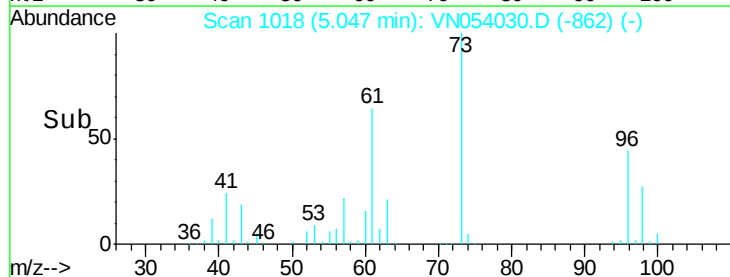
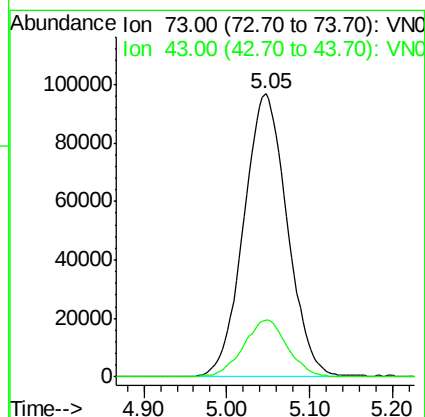
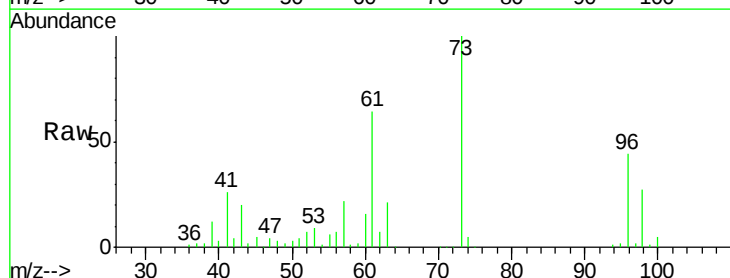
Tot Ion: 59 Resp: 51963
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

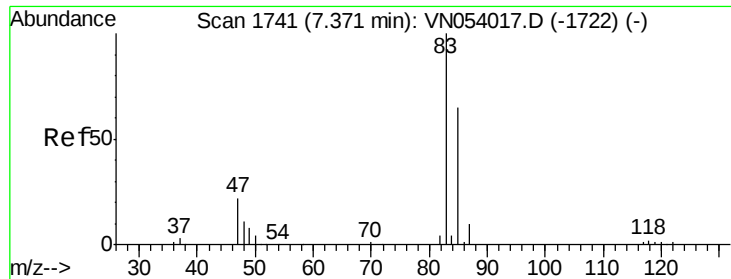


#24

Methyl tert-Butyl Ether
 Concen: 20.686 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 73 Resp: 353228
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.8 23.8

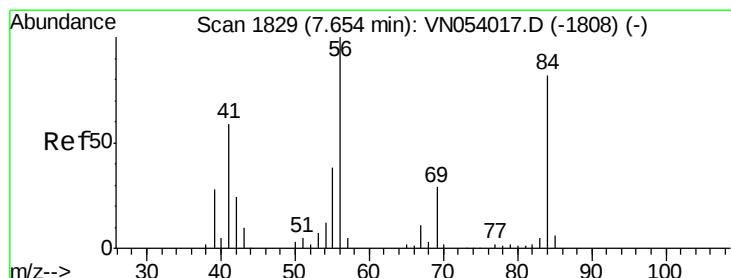
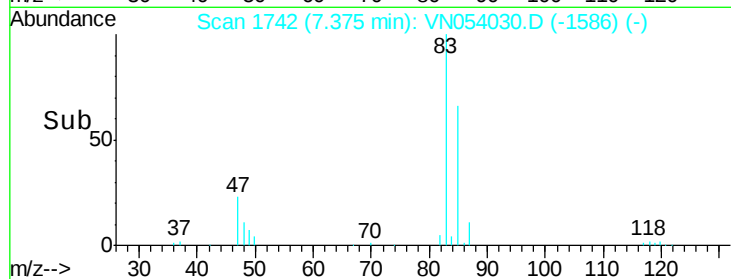
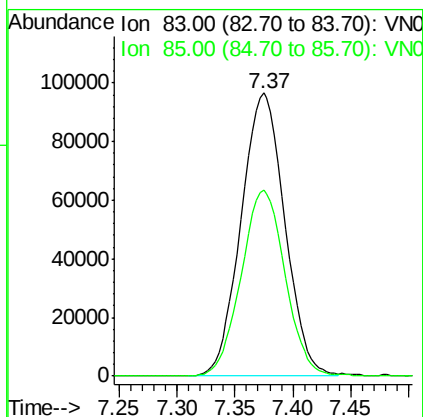
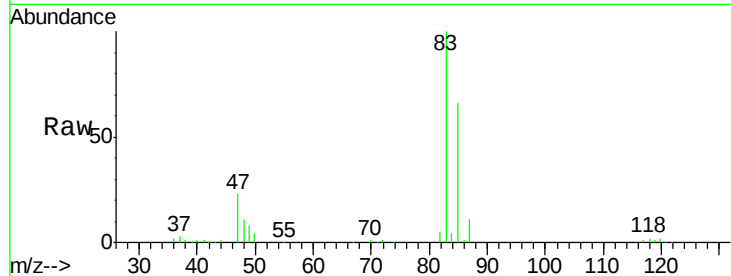




#25
Chloroform
Concen: 19.958 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

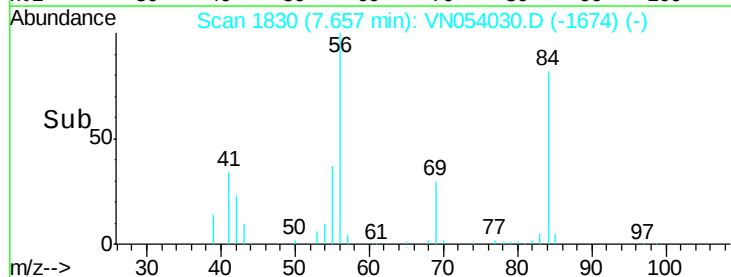
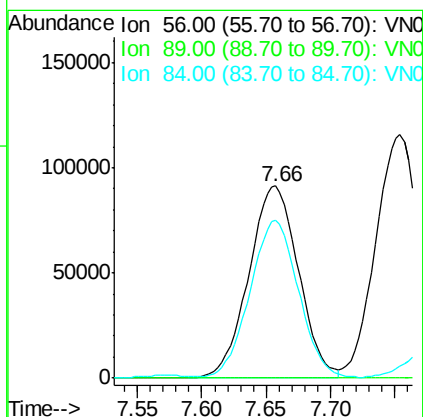
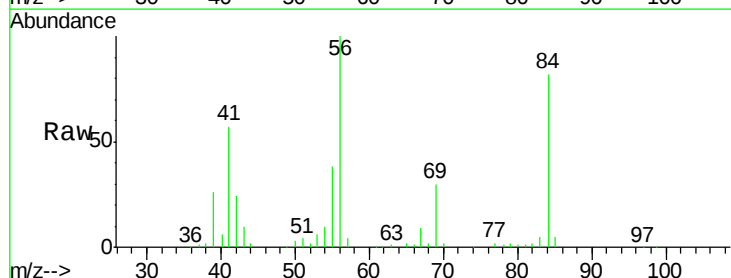
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

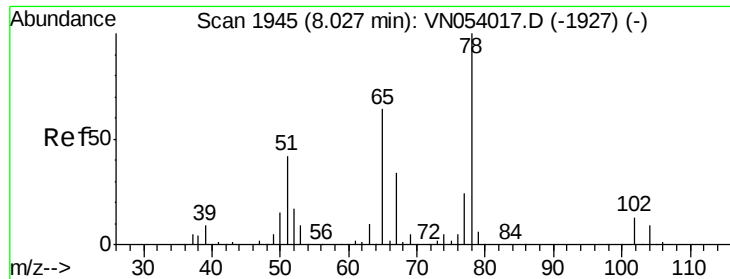
Tot Ion: 83 Resp: 253780
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5



#26
Cyclohexane
Concen: 20.375 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 56 Resp: 244367
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 80.7 66.2 99.2

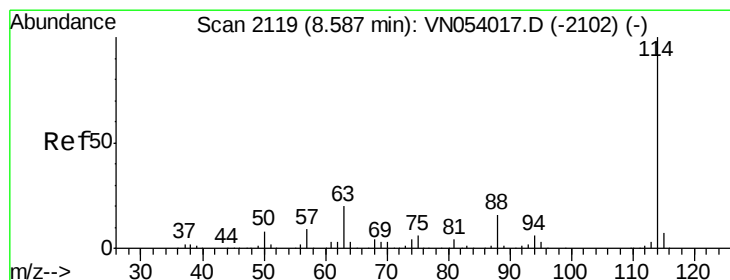
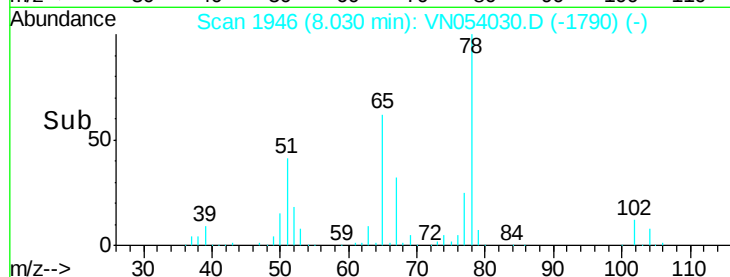
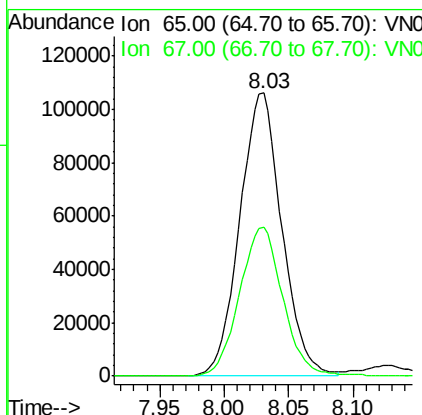
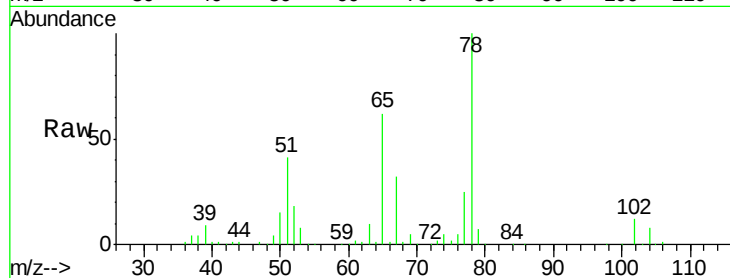




#27
 1,2-Dichloroethane-d4
 Concen: 20.375 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

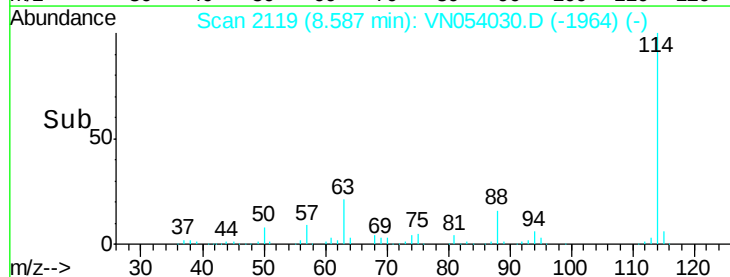
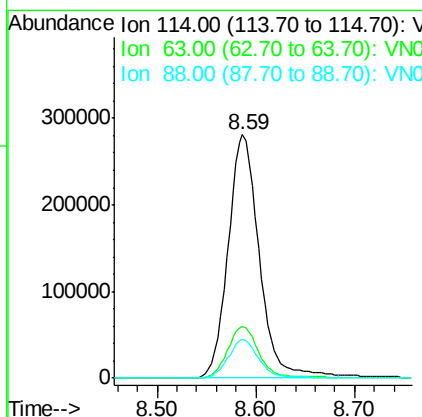
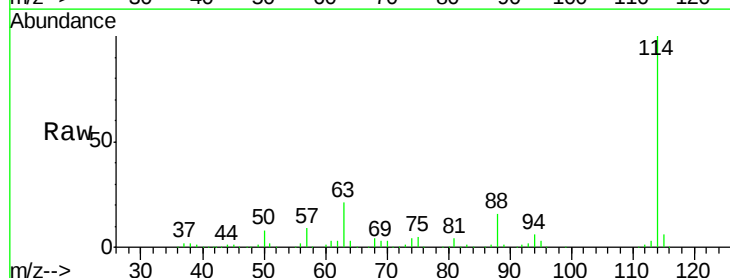
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

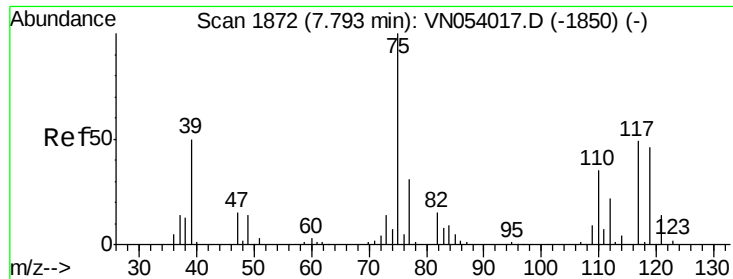
Tot Ion: 65 Resp: 241517
 Ion Ratio Lower Upper
 65 100
 67 53.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 114 Resp: 620054
 Ion Ratio Lower Upper
 114 100
 63 21.2 16.9 25.3
 88 15.4 12.8 19.2





#29

1,1-Dichloropropene

Concen: 20.114 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

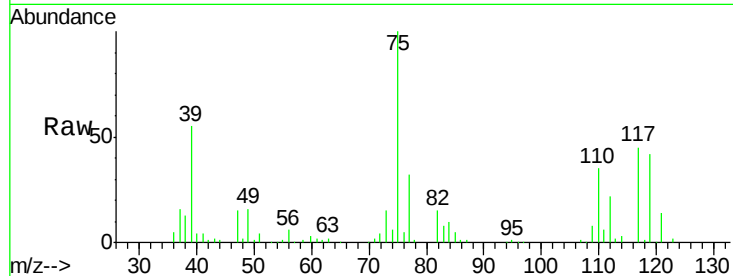
Tot Ion: 75 Resp: 195354

Ion Ratio Lower Upper

75 100

110 34.5 0.0 70.2

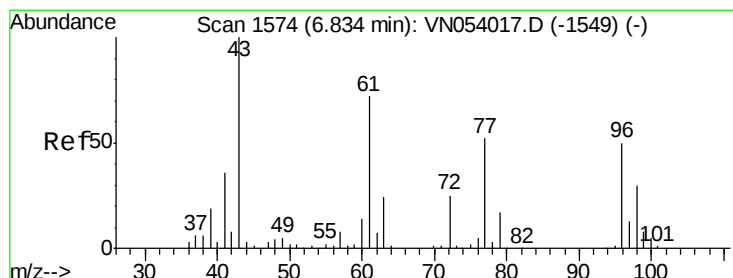
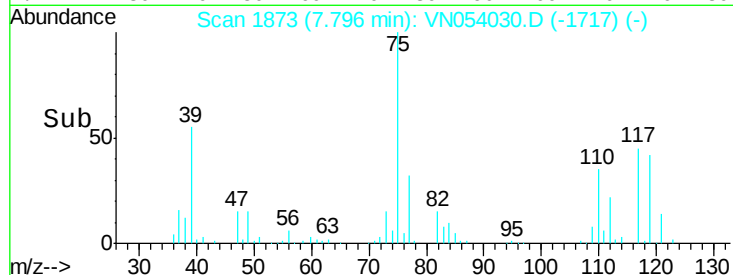
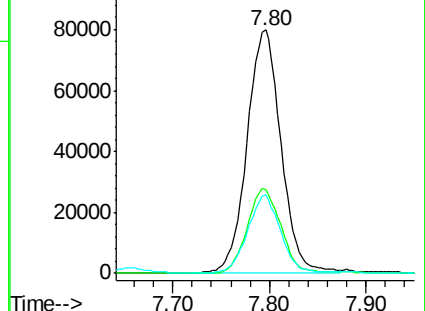
77 31.3 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 97.927 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

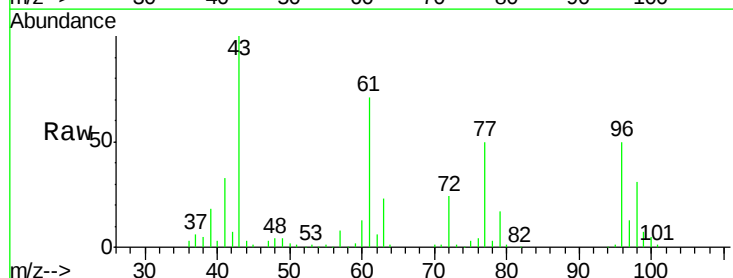
Tgt Ion: 43 Resp: 300300

Ion Ratio Lower Upper

43 100

57 7.9 6.2 9.4

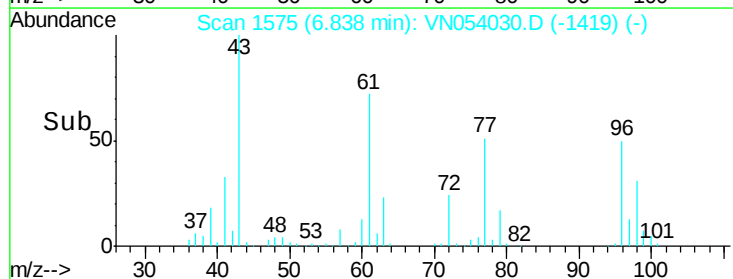
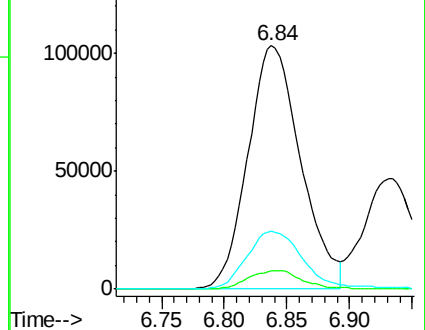
72 25.0 21.0 31.6

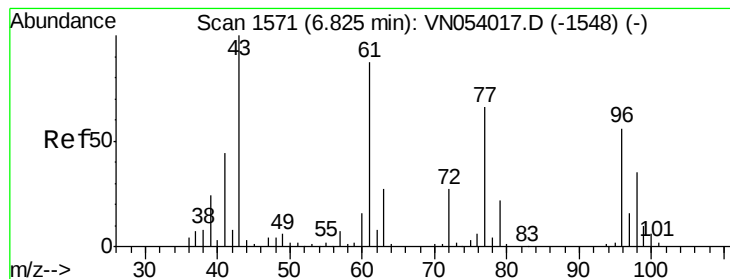


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 18.800 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

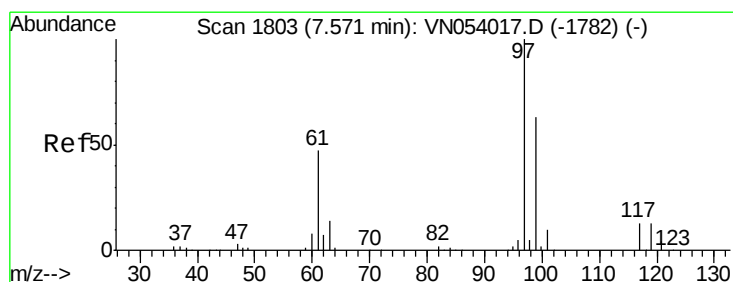
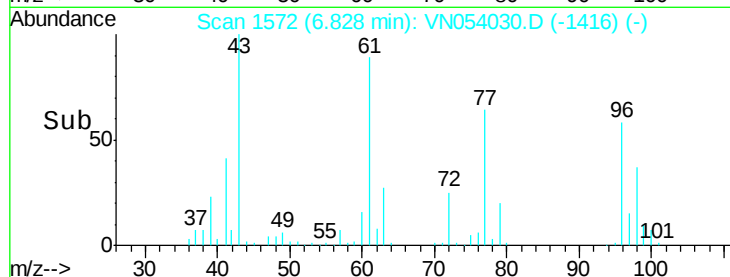
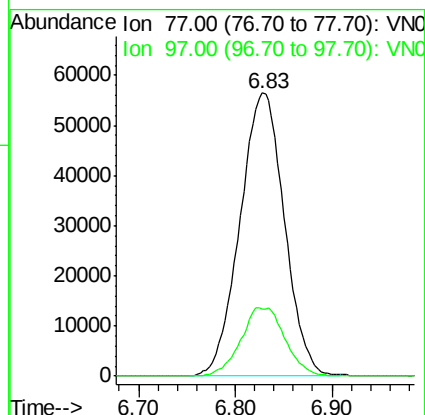
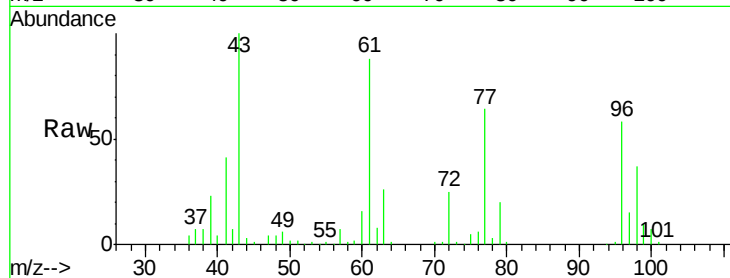
VSTDCCC020EC

Tot Ion: 77 Resp: 180047

Ion Ratio Lower Upper

77 100

97 12.4 18.7 28.1#



#32

1,1,1-Trichloroethane

Concen: 20.205 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

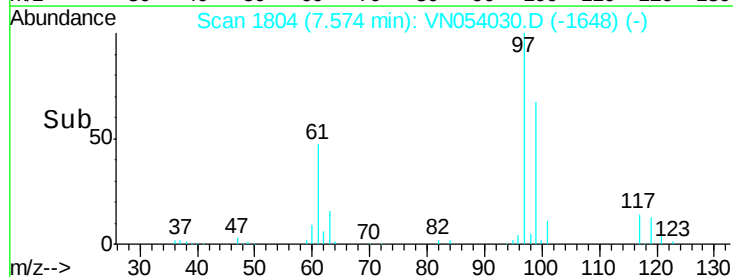
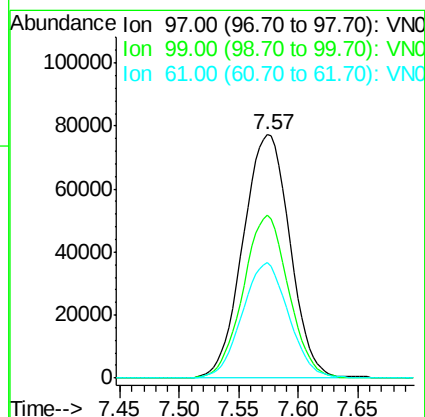
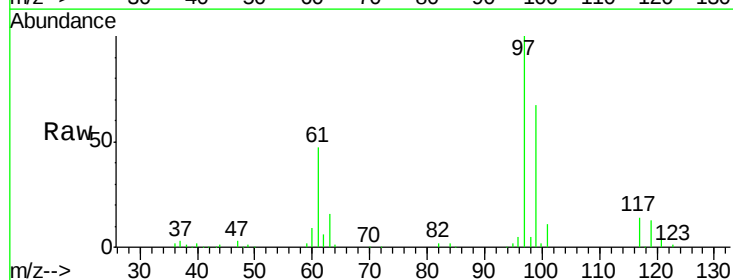
Tgt Ion: 97 Resp: 211077

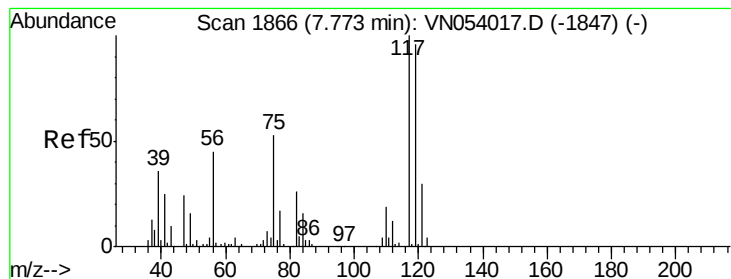
Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 46.9 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.872 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

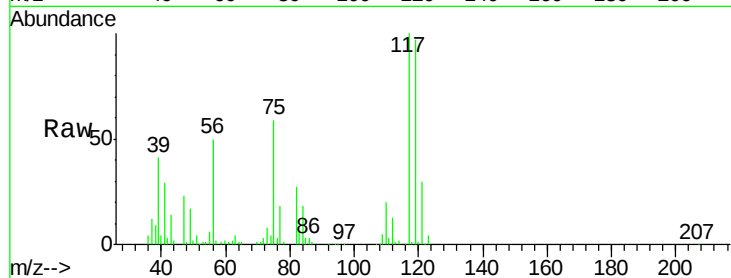
Tot Ion:117 Resp: 183811

Ion Ratio Lower Upper

117 100

119 97.5 77.3 115.9

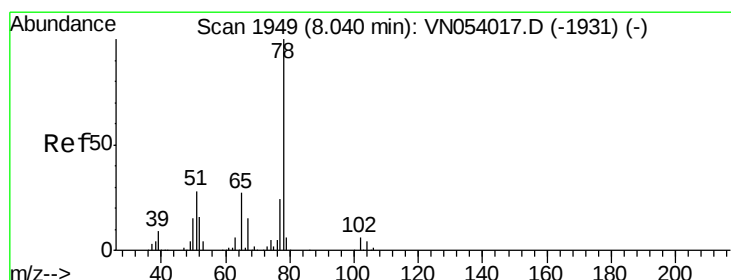
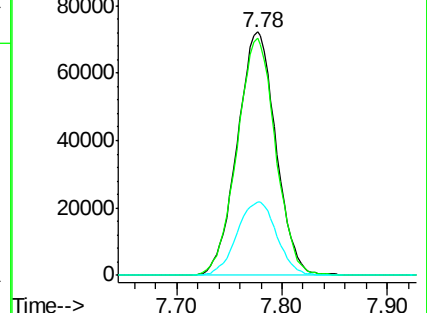
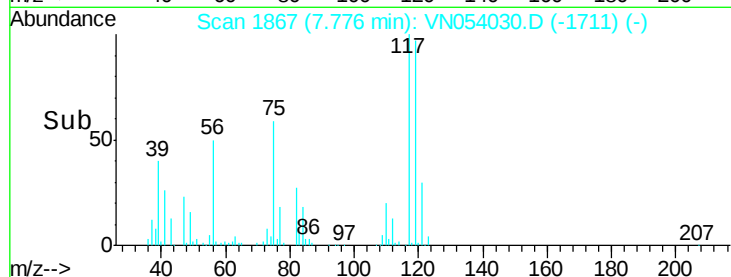
121 30.3 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.130 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

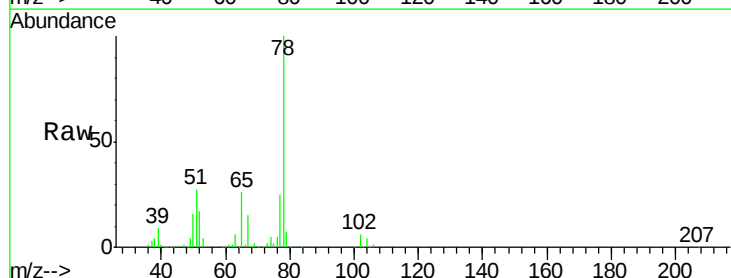
Tgt Ion: 78 Resp: 581037

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.6

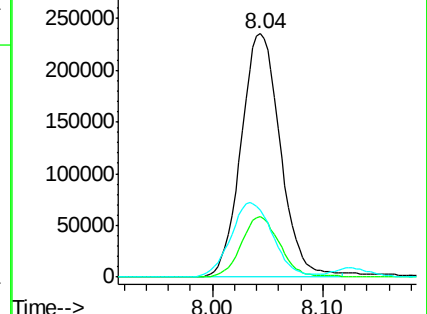
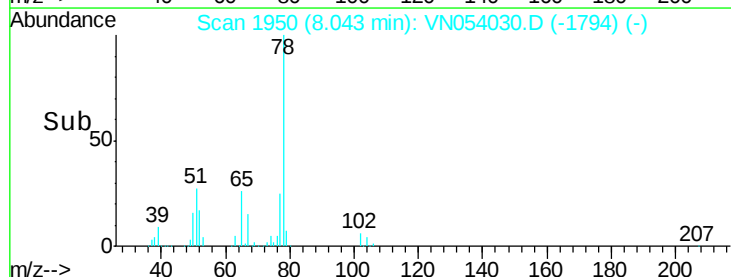
51 27.3 20.5 30.7

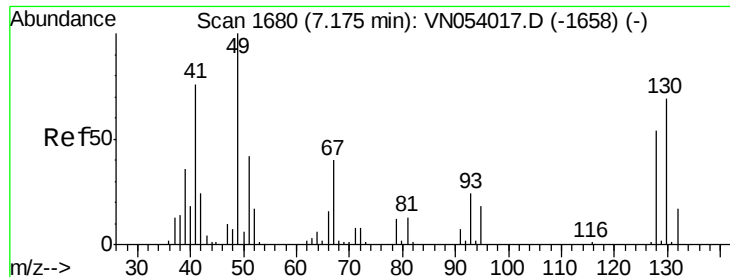


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

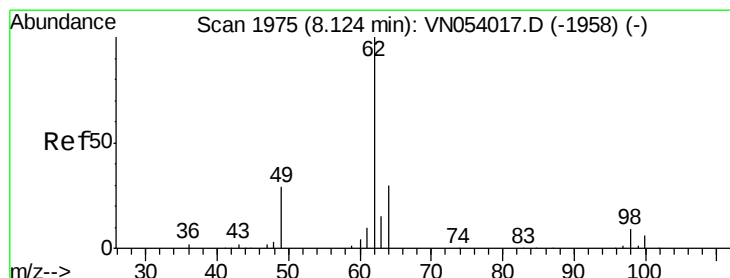
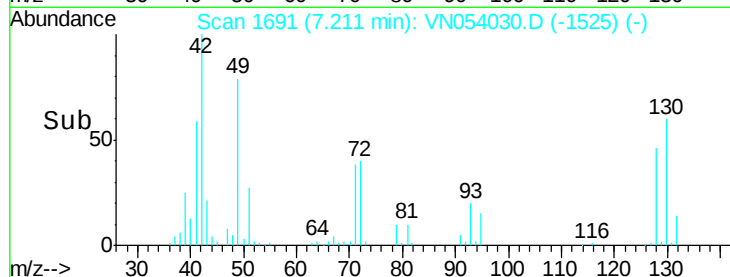
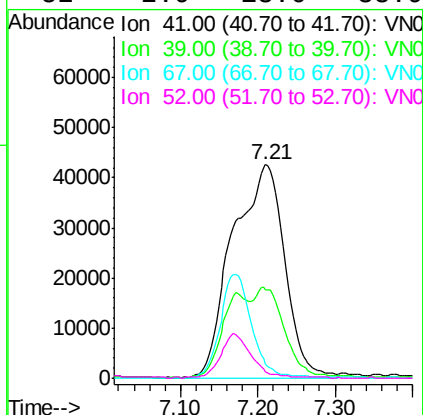
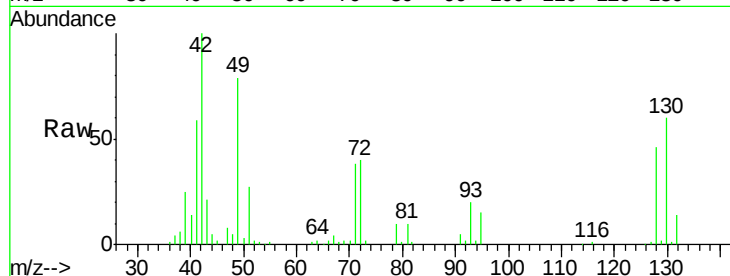




#35
Methacrylonitrile
Concen: 58.306 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

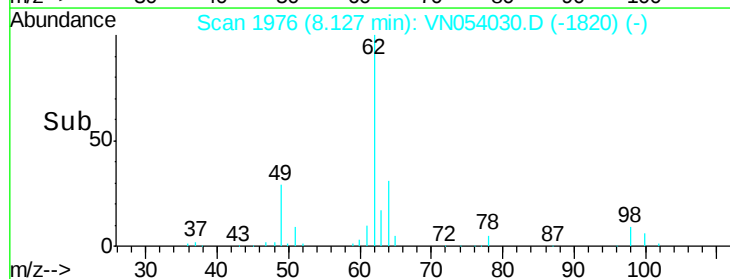
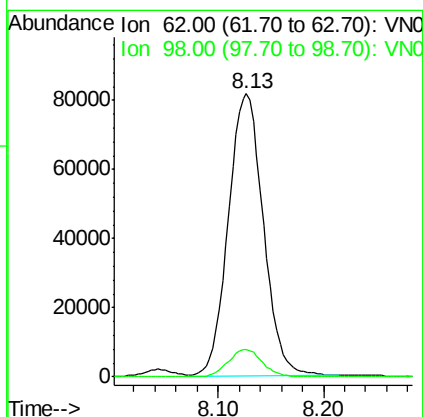
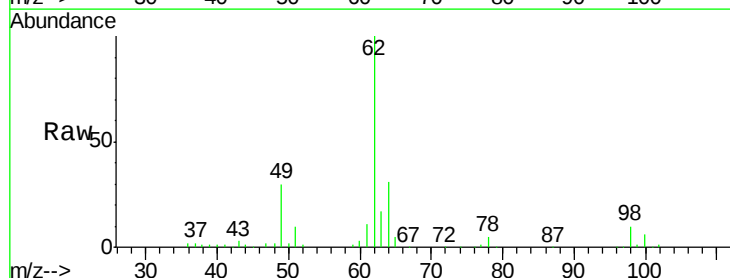
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

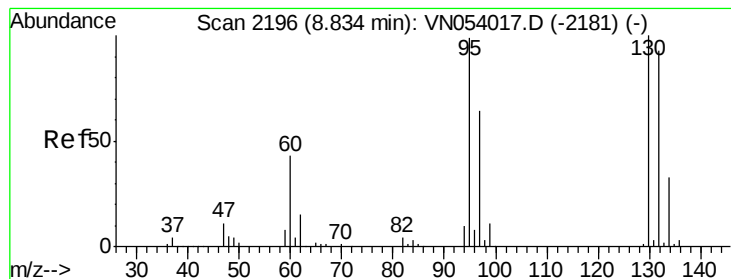
Tot Ion: 41 Resp: 199922
Ion Ratio Lower Upper
41 100
39 41.6 26.6 79.7
67 6.9 32.3 96.9#
52 2.9 13.0 38.9#



#36
1,2-Dichloroethane
Concen: 20.332 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 62 Resp: 188456
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2





#37

Trichloroethene

Concen: 20.558 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

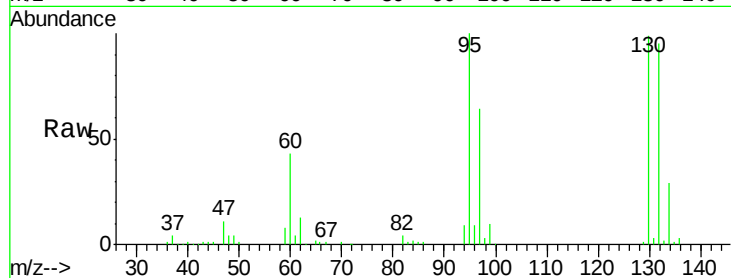
VSTDCCC020EC

Tot Ion:130 Resp: 154903

Ion Ratio Lower Upper

130 100

95 101.0 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

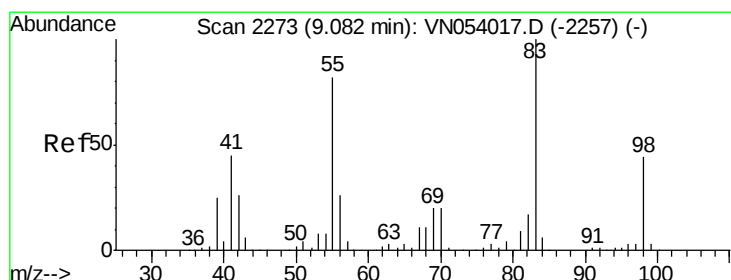
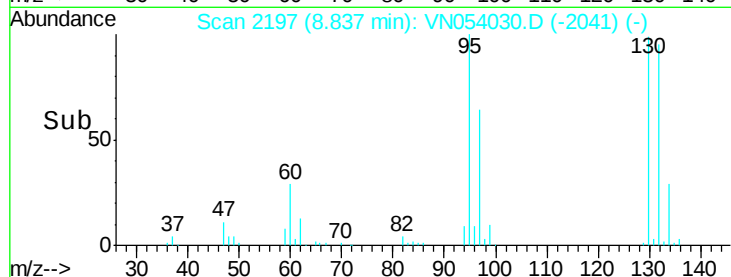
40000

20000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.646 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

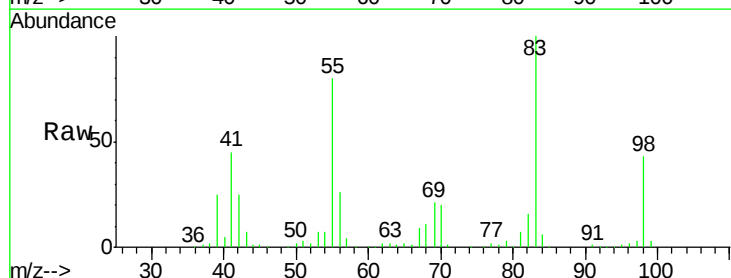
Tgt Ion: 83 Resp: 225204

Ion Ratio Lower Upper

83 100

55 80.8 39.8 119.4

98 44.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

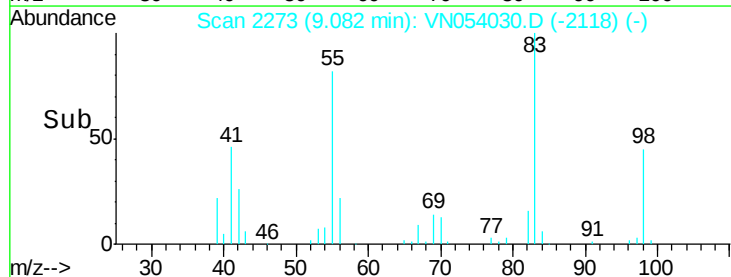
100000

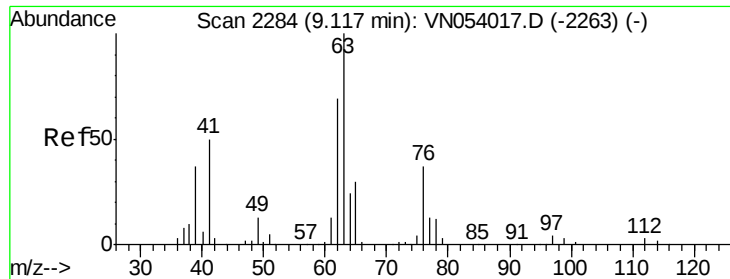
50000

0

9.00 9.05 9.10 9.15

Time-->

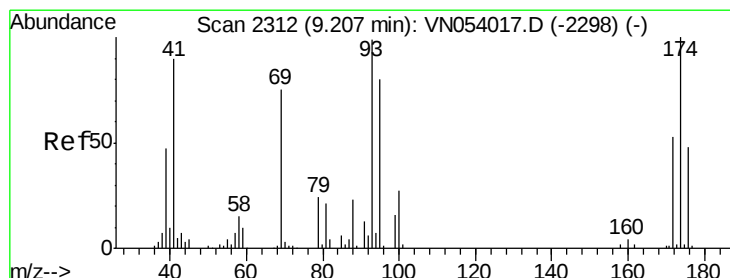
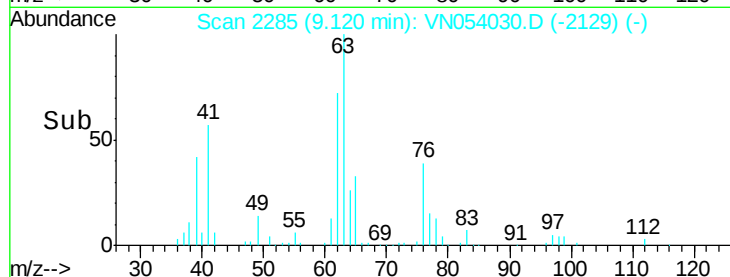
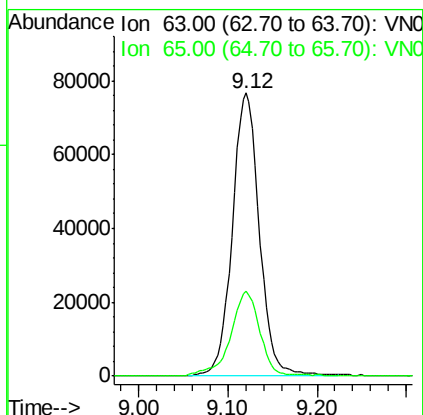
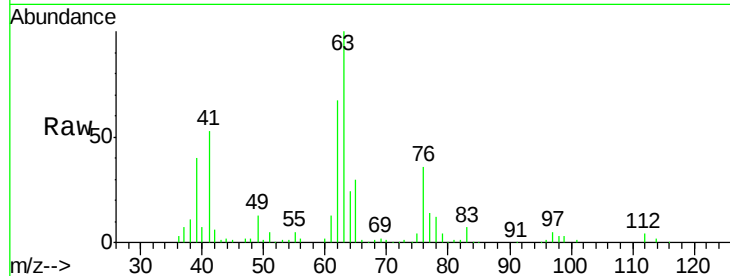




#39
 1,2-Dichloropropane
 Concen: 20.278 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

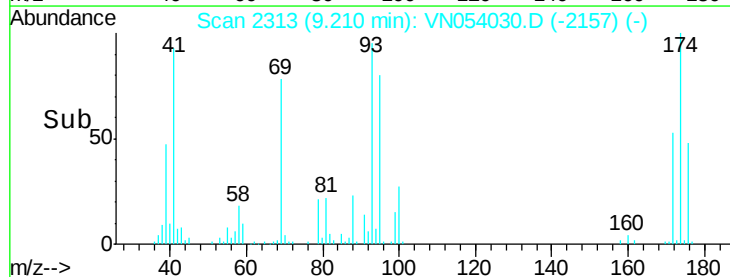
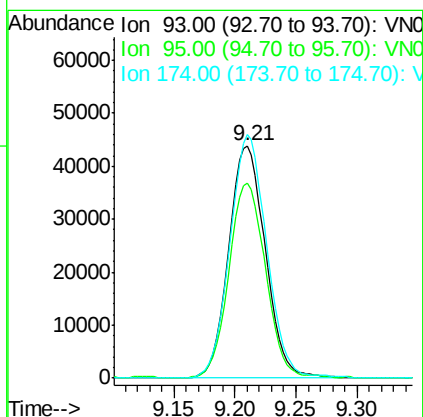
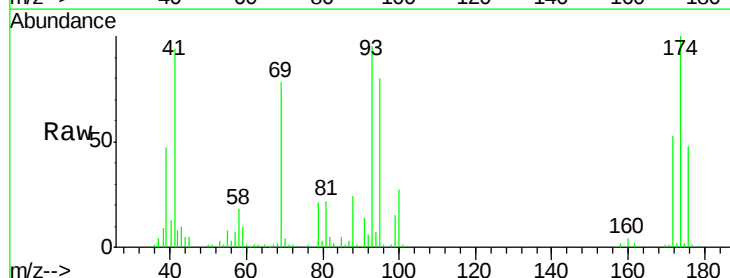
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

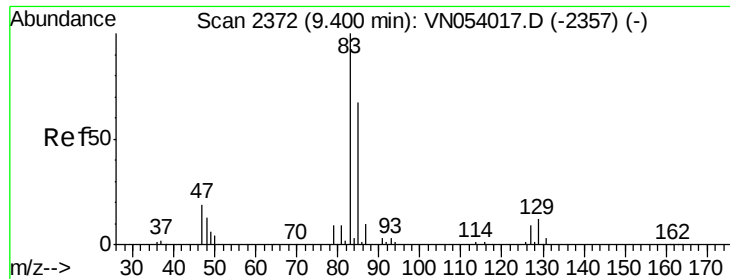
Tot Ion: 63 Resp: 160350
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.6 35.4



#40
 Dibromomethane
 Concen: 20.294 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 93 Resp: 91995
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 168.4
 174 104.5 0.0 210.0





#41

Bromodichloromethane

Concen: 19.866 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

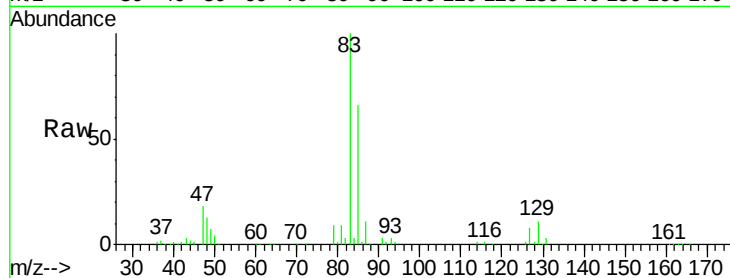
Tot Ion: 83 Resp: 191082

Ion Ratio Lower Upper

83 100

85 66.1 52.4 78.6

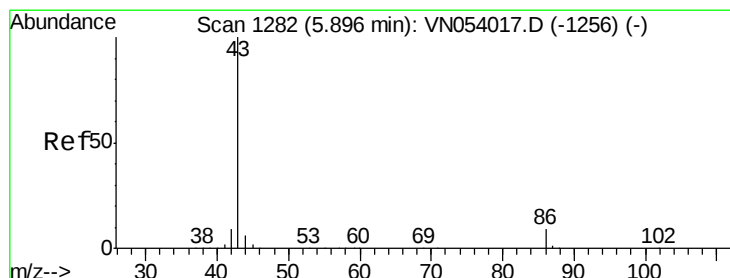
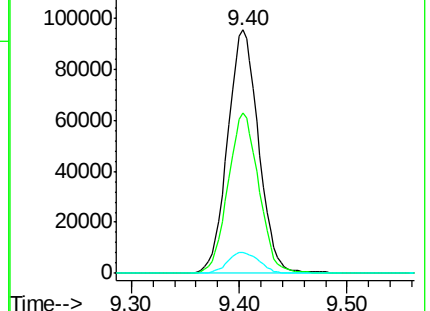
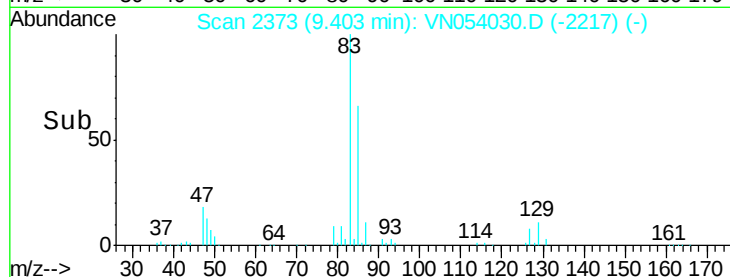
127 8.5 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN054017.D (-2357) (-)

Ion 85.00 (84.70 to 85.70): VN054017.D (-2357) (-)

Ion 127.00 (126.70 to 127.70): VN054017.D (-2357) (-)



#42

Vinyl Acetate

Concen: 100.600 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054030.D

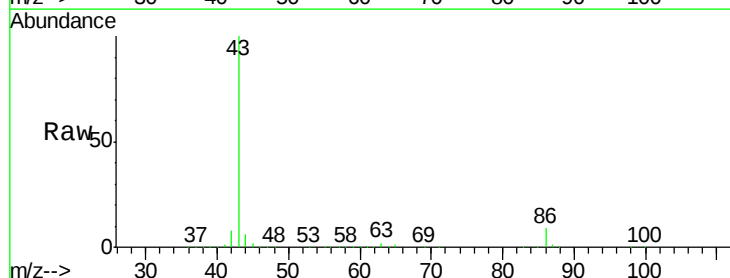
Acq: 1 Mar 2019 15:26

Tgt Ion: 43 Resp: 1593772

Ion Ratio Lower Upper

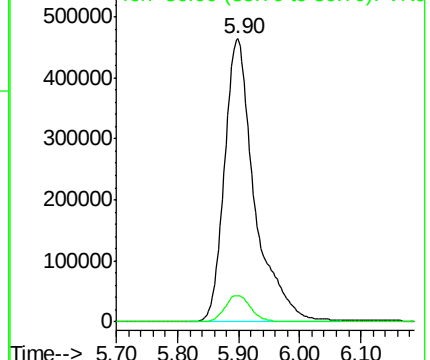
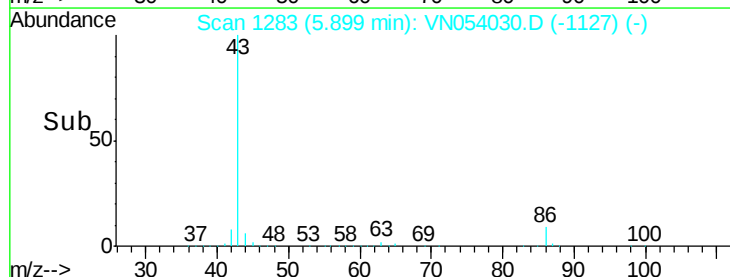
43 100

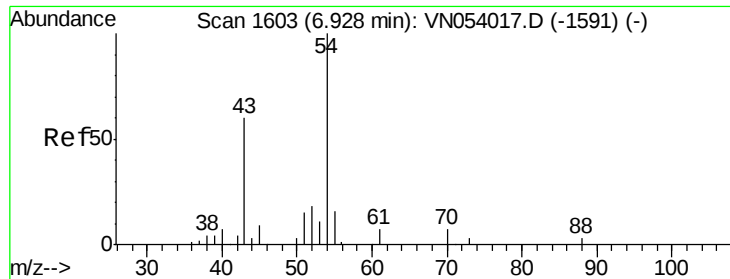
86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN054017.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN054017.D (-1256) (-)





#43

Ethyl Acetate

Concen: 19.706 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

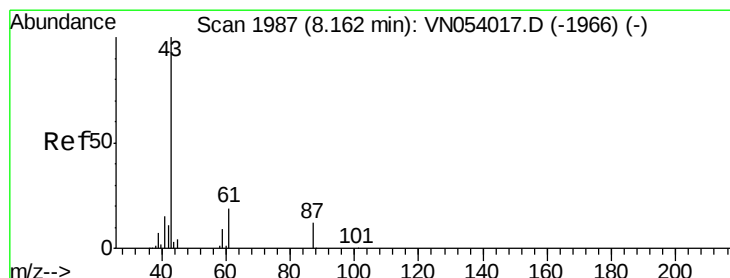
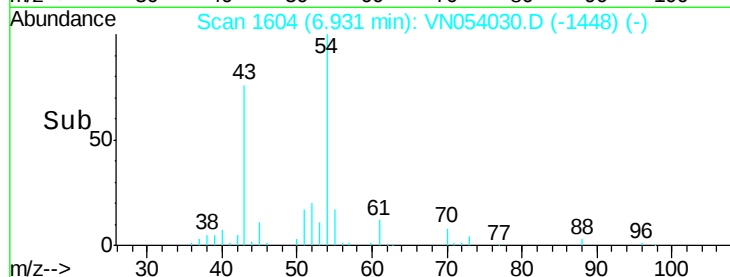
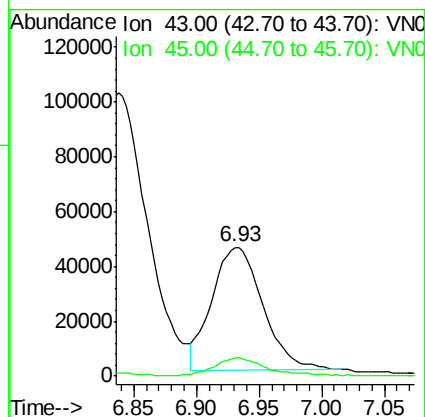
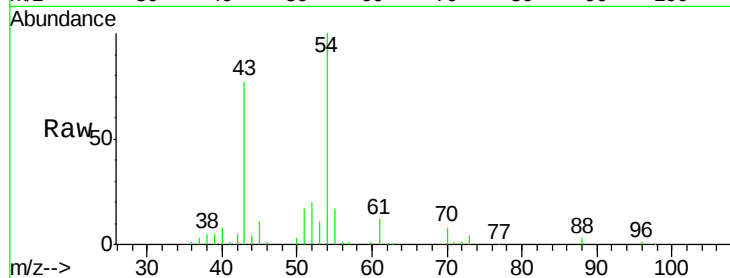
VSTDCCC020EC

Tot Ion: 43 Resp: 126577

Ion Ratio Lower Upper

43 100

45 13.7 1.0 1.6#



#44

Isopropyl Acetate

Concen: 20.638 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN054030.D

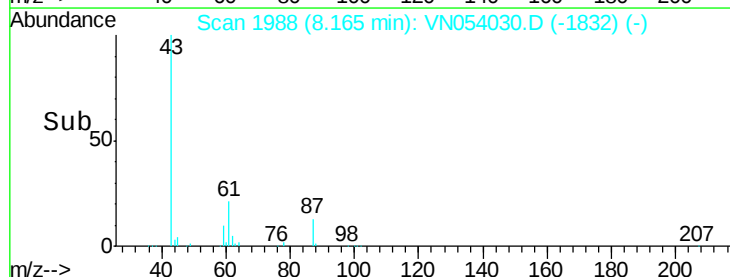
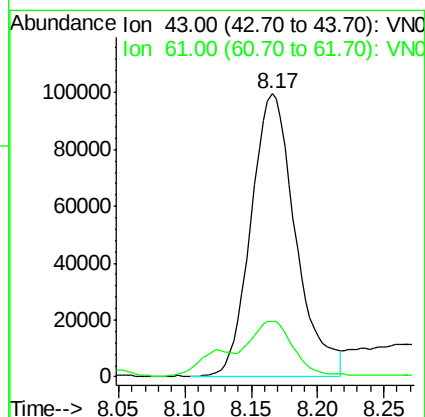
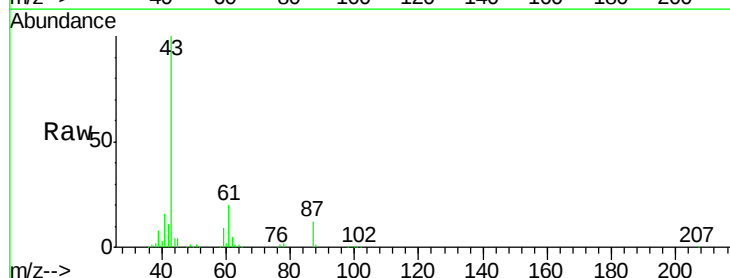
Acq: 1 Mar 2019 15:26

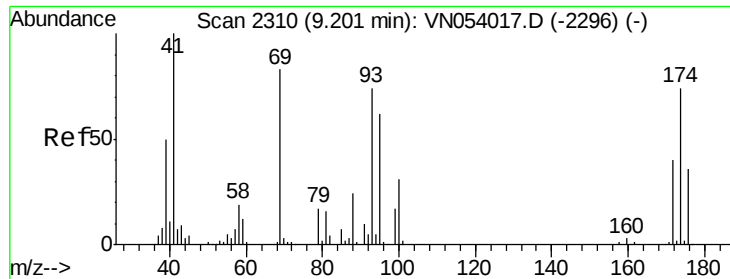
Tgt Ion: 43 Resp: 232609

Ion Ratio Lower Upper

43 100

61 18.2 16.0 24.0

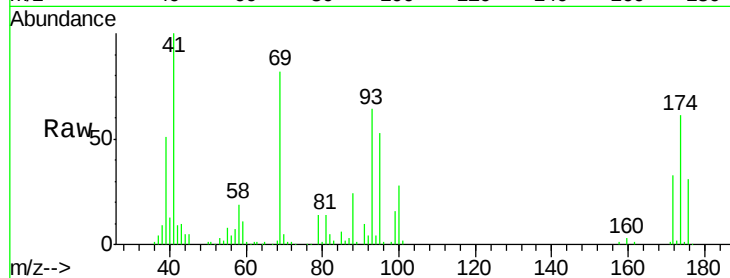




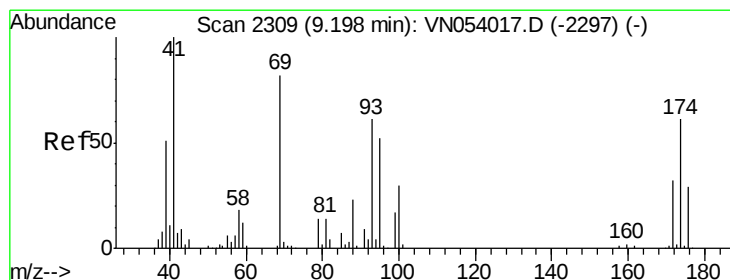
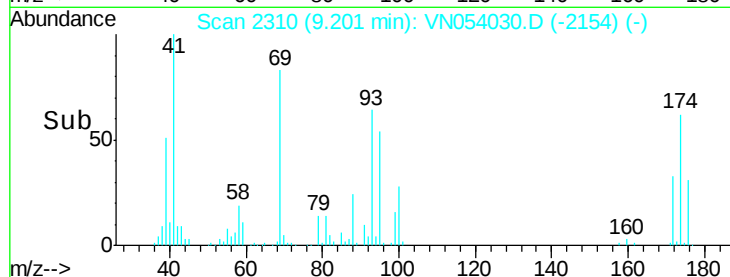
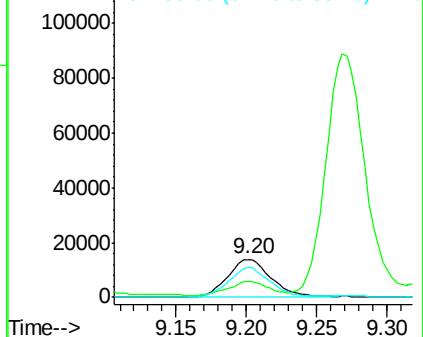
#45
1,4-Dioxane
Concen: 456.073 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 88 Resp: 30301
Ion Ratio Lower Upper
88 100
43 31.6 29.5 44.3
58 75.5 61.5 92.3

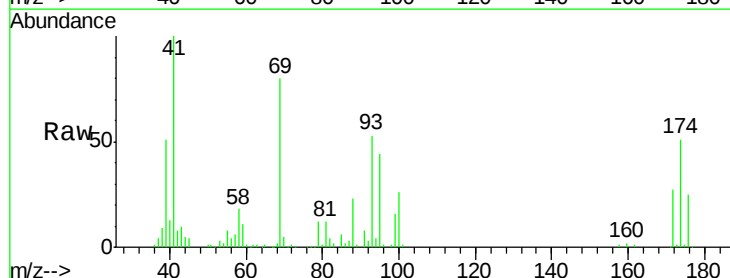


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

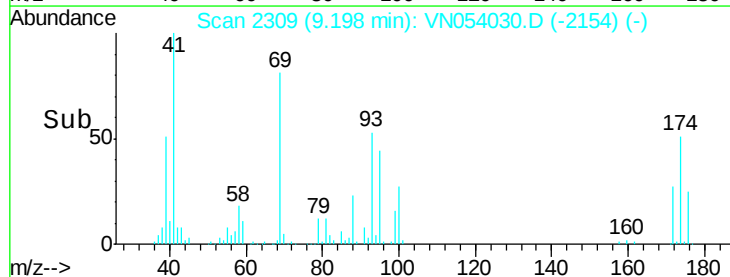
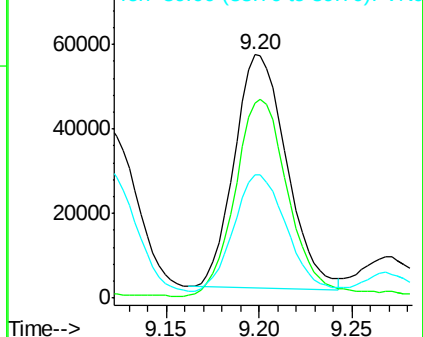


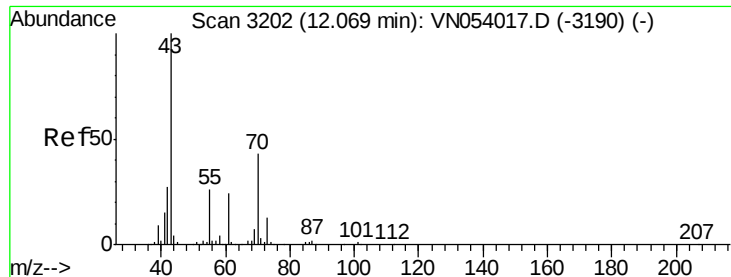
#46
Methyl methacrylate
Concen: 20.018 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 41 Resp: 108373
Ion Ratio Lower Upper
41 100
69 83.1 42.5 127.6
39 50.3 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

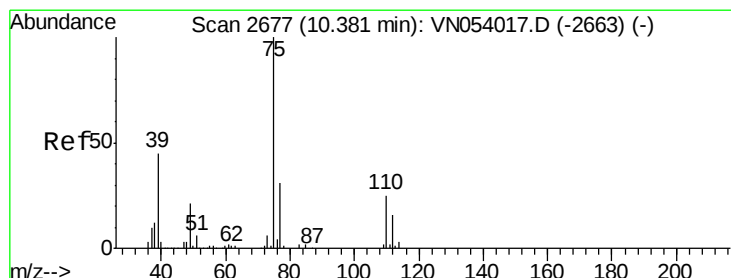
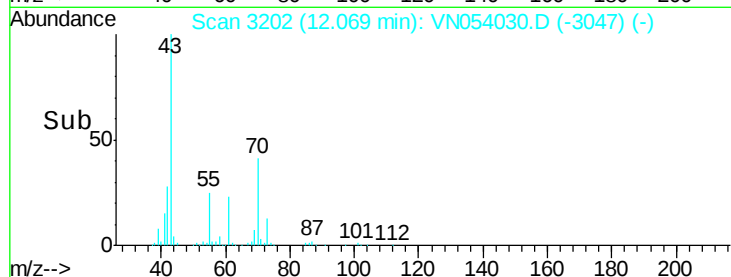
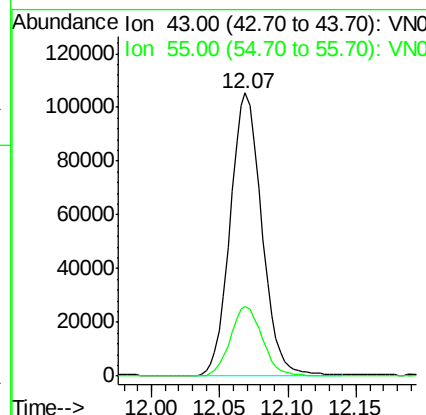
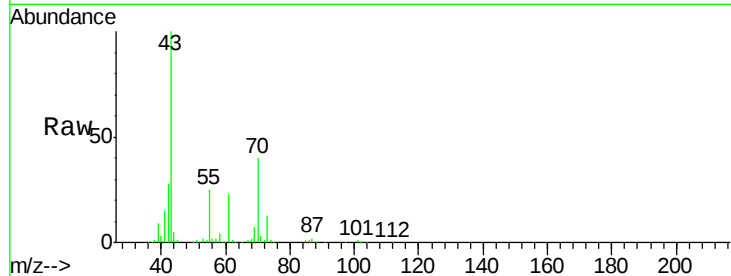




#47
n-amvl Acetate
Concen: 20.424 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

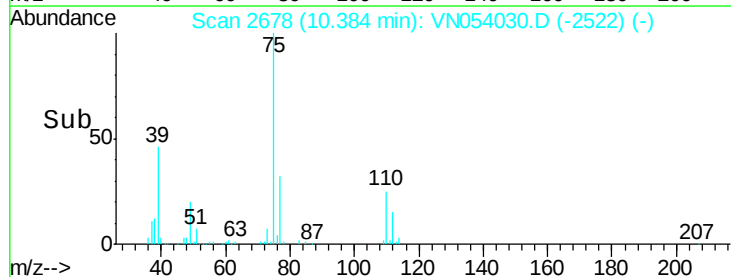
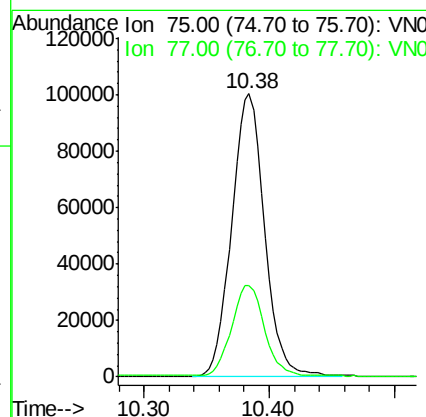
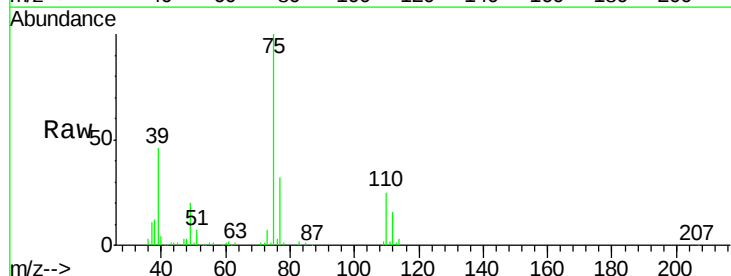
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

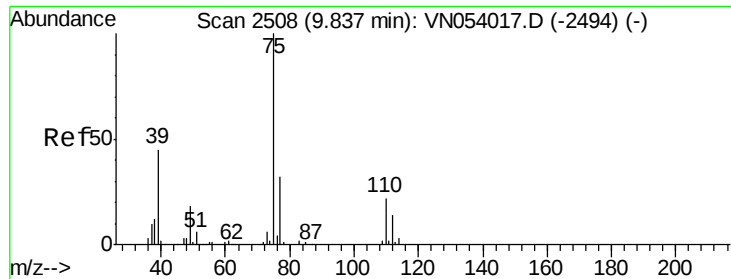
Tot Ion: 43 Resp: 169096
Ion Ratio Lower Upper
43 100
55 25.1 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 18.973 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 75 Resp: 182972
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

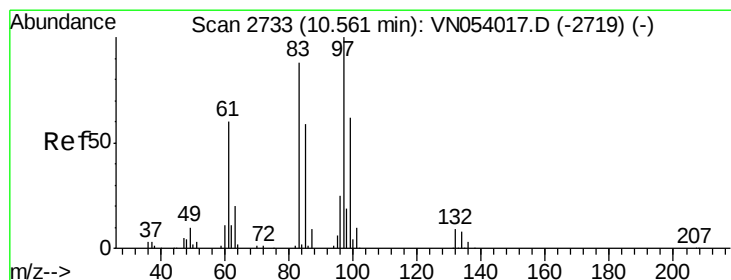
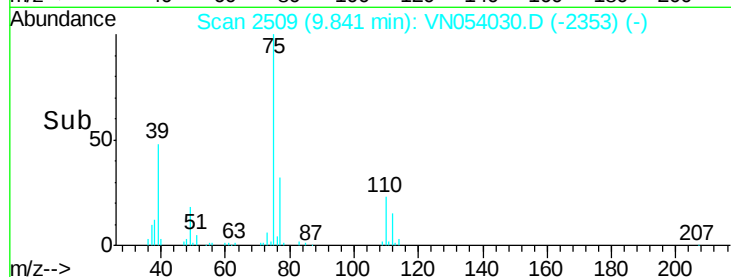
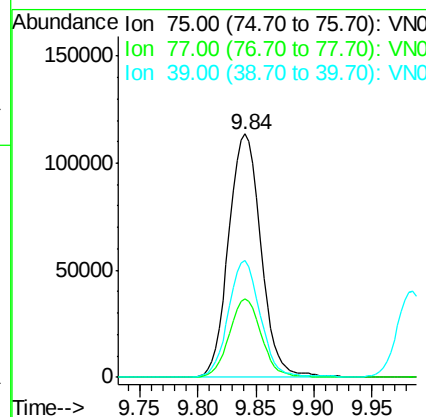
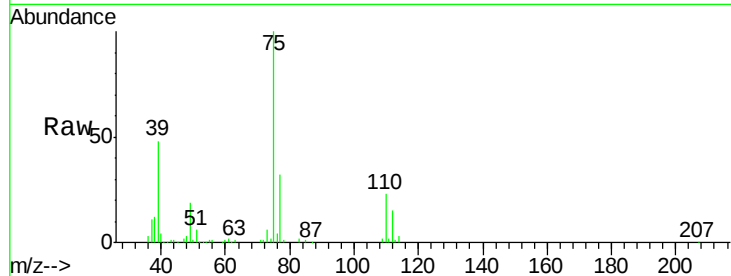




#49
 cis-1,3-Dichloropropene
 Concen: 19.444 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

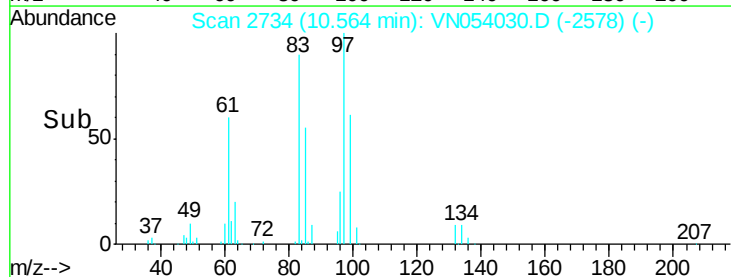
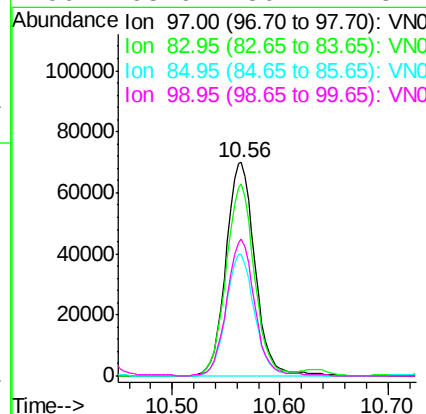
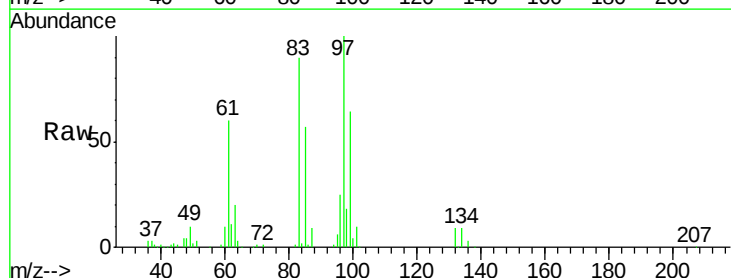
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

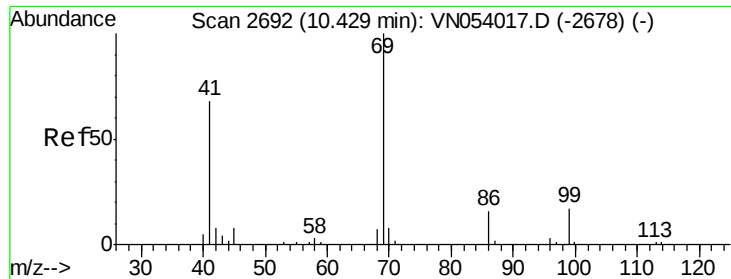
Tot Ion: 75 Resp: 220191
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0
 39 48.0 37.3 55.9



#50
 1,1,2-Trichloroethane
 Concen: 20.683 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 97 Resp: 131521
 Ion Ratio Lower Upper
 97 100
 83 89.6 70.4 105.6
 85 56.7 45.0 67.6
 99 63.9 50.2 75.2





#51

Ethyl methacrylate

Concen: 20.005 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

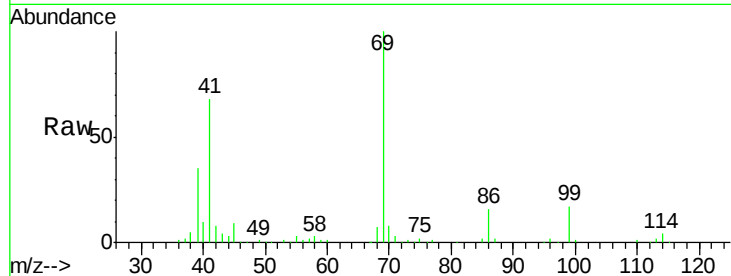
Tot Ion: 69 Resp: 153138

Ion Ratio Lower Upper

69 100

41 68.0 34.4 103.3

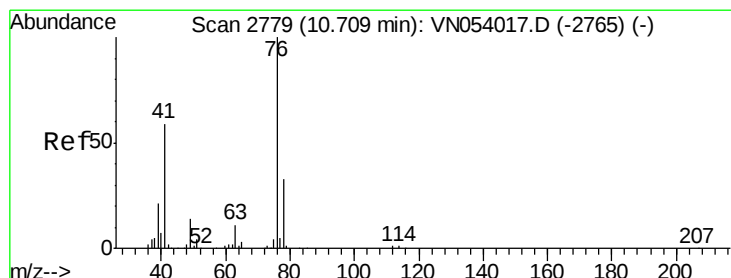
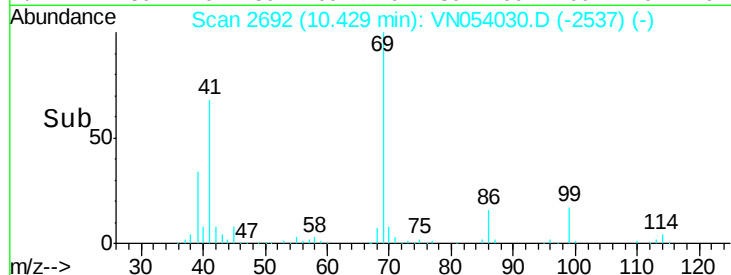
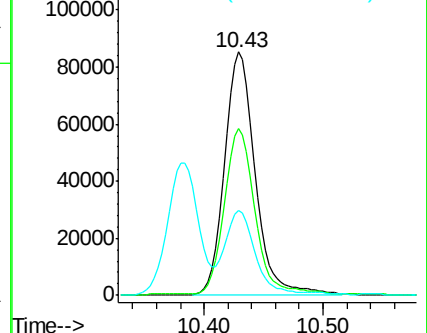
39 34.2 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN054030.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN054030.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN054030.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 20.247 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054030.D

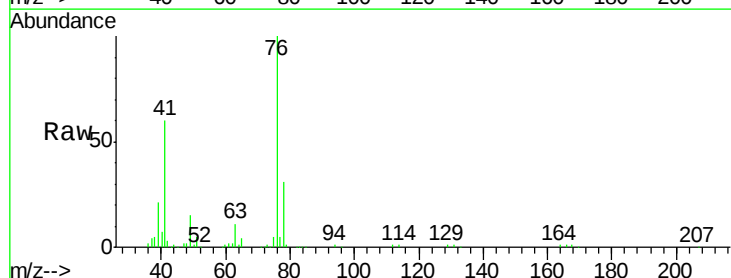
Acq: 1 Mar 2019 15:26

Tgt Ion: 76 Resp: 220966

Ion Ratio Lower Upper

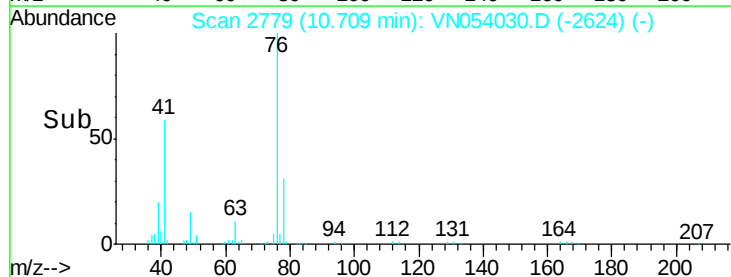
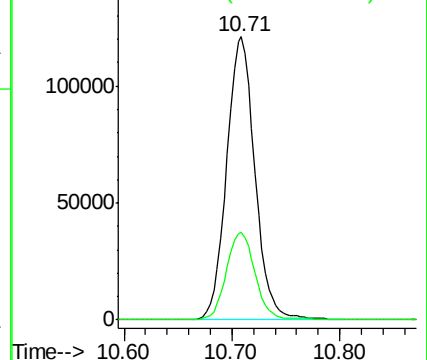
76 100

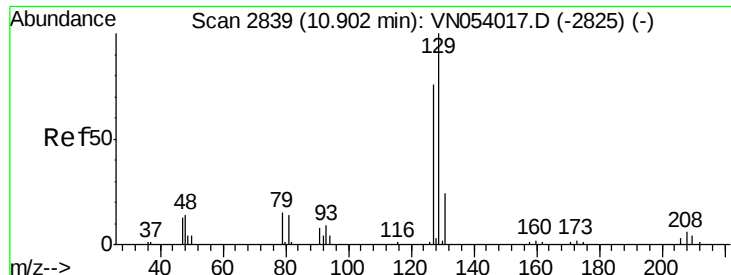
78 31.2 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN054030.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN054030.D (-2624) (-)

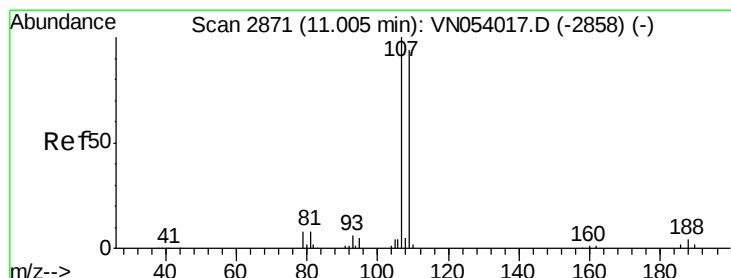
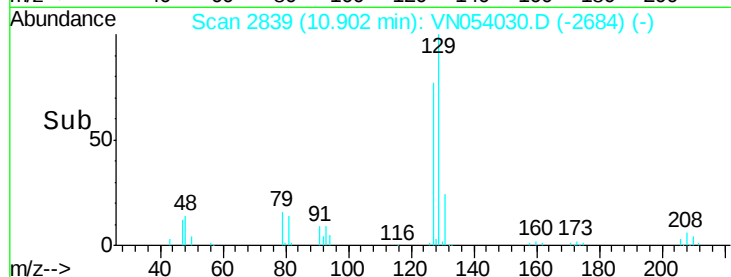
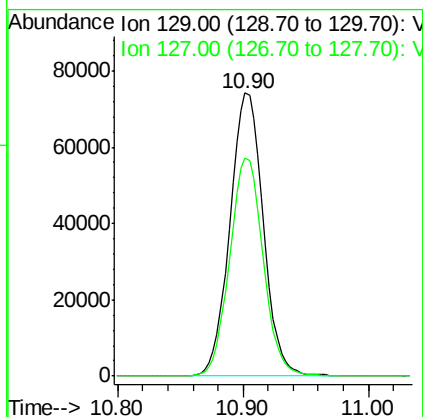
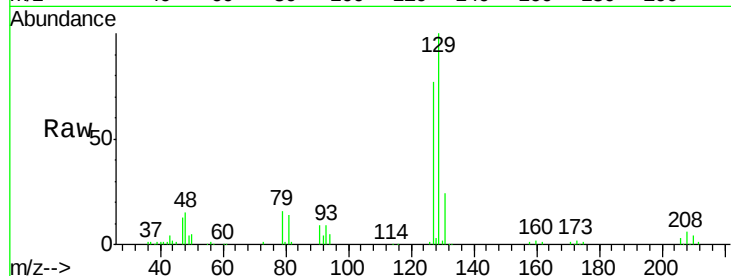




#53
Dibromochloromethane
Concen: 19.620 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

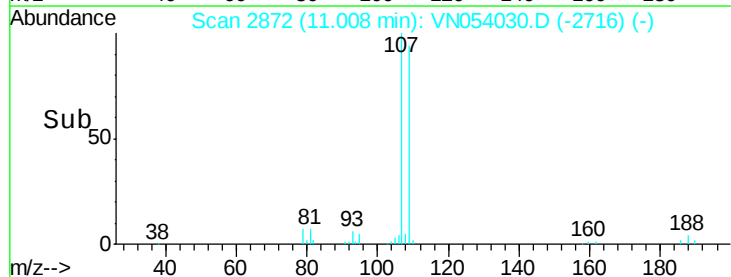
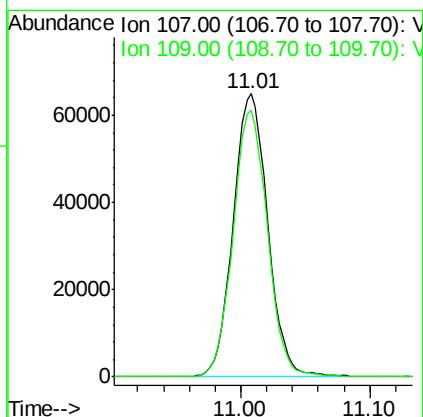
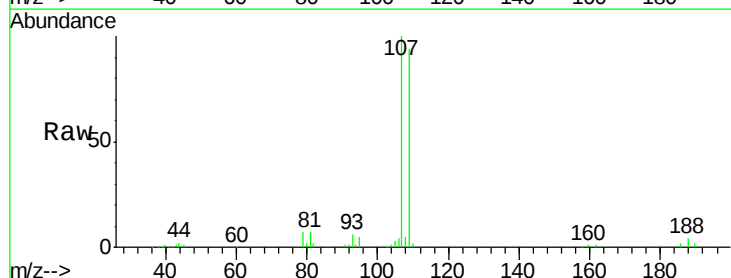
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

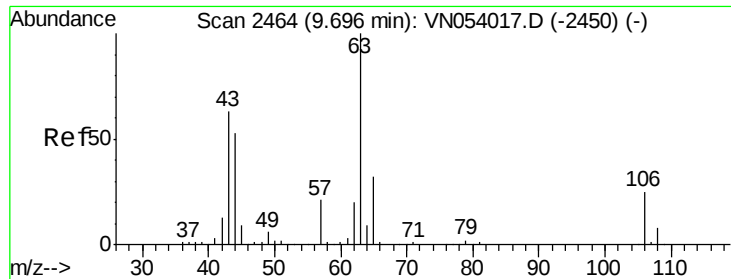
Tot Ion:129 Resp: 137088
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.8



#54
1,2-Dibromoethane
Concen: 19.947 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion:107 Resp: 120826
Ion Ratio Lower Upper
107 100
109 94.0 77.1 115.7

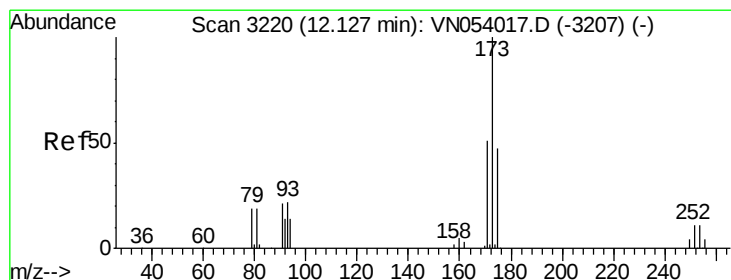
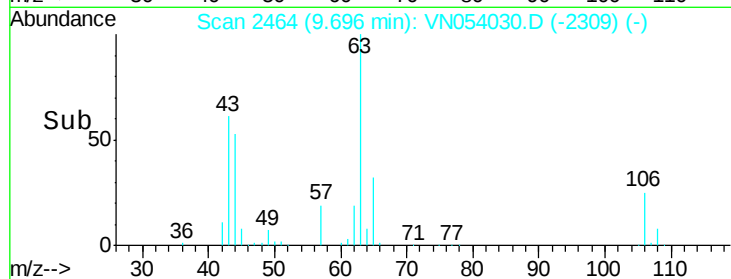
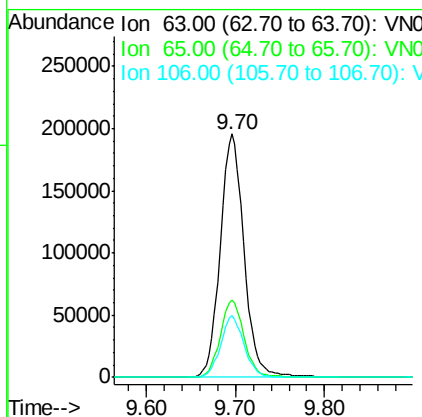
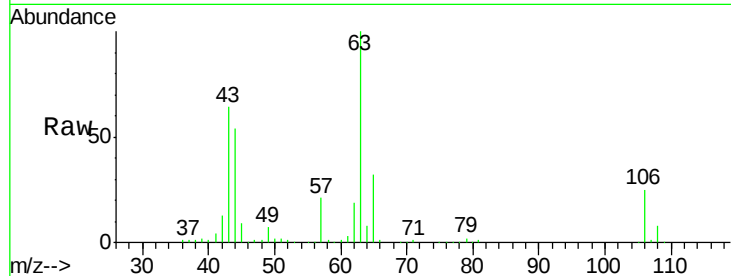




#55
2-Chloroethyl vinyl ether
Concen: 101.811 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

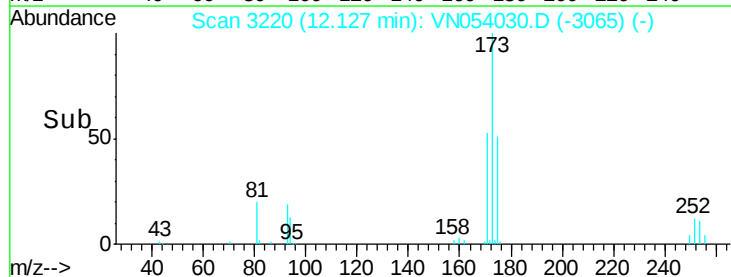
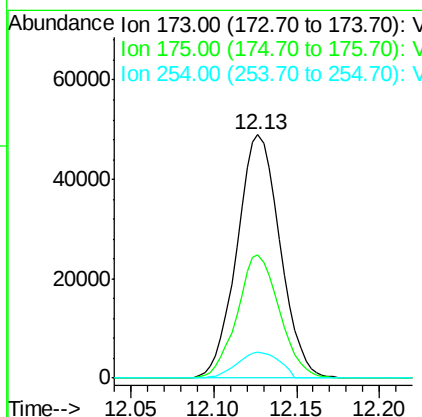
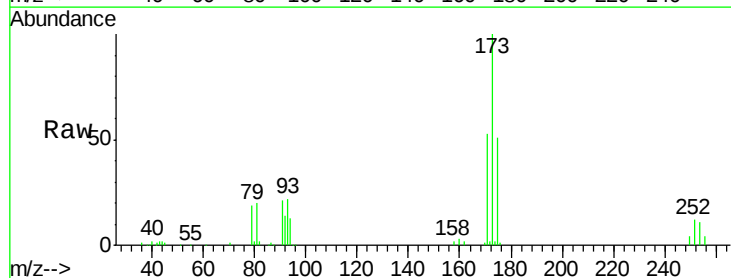
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

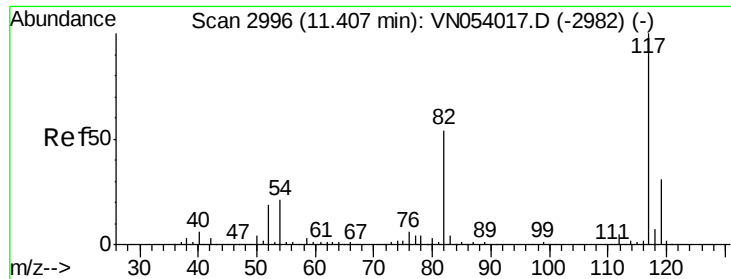
Tot Ion: 63 Resp: 361669
Ion Ratio Lower Upper
63 100
65 31.6 25.4 38.2
106 24.8 20.4 30.6



#56
Bromoform
Concen: 19.138 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 173 Resp: 88790
Ion Ratio Lower Upper
173 100
175 49.7 38.7 58.1
254 10.4 8.4 12.6

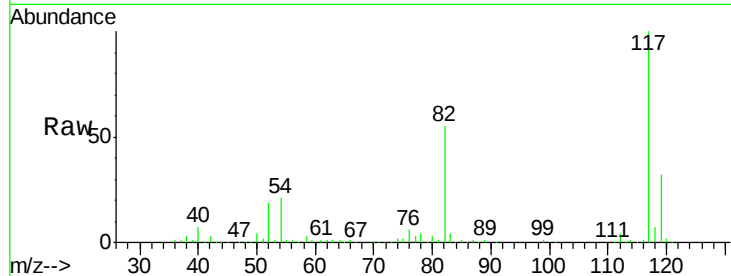




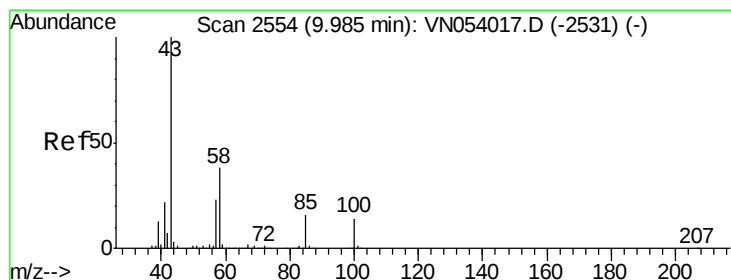
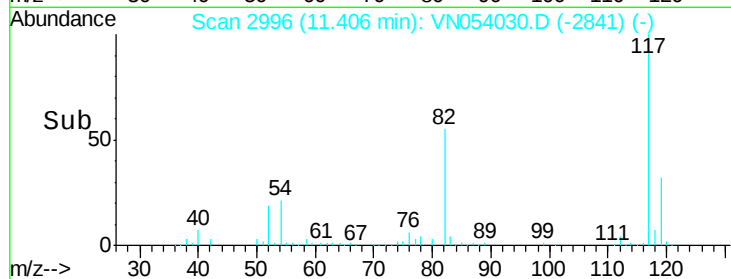
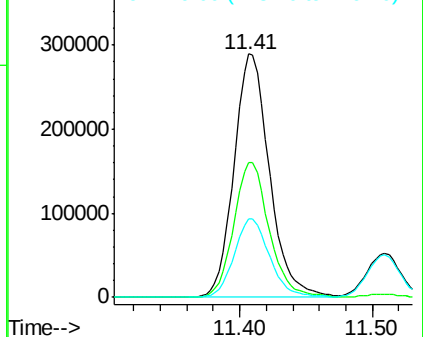
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 538961
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.4 25.4 38.2

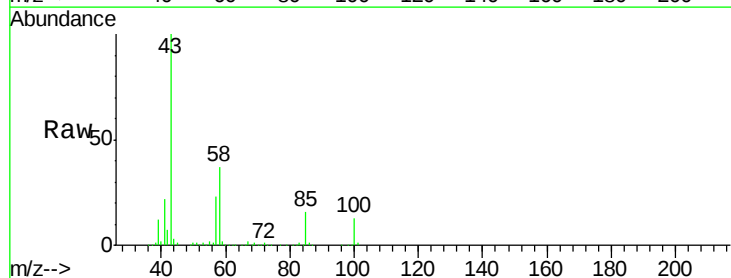


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

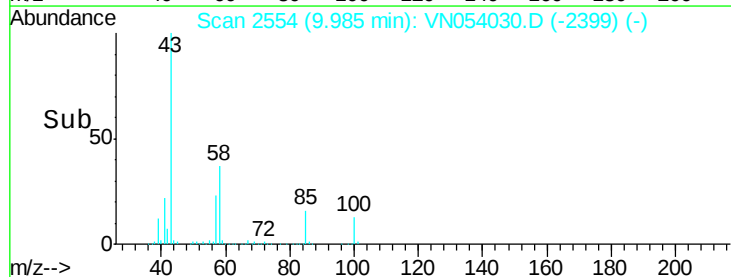
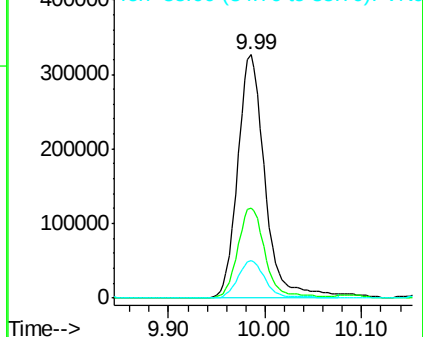


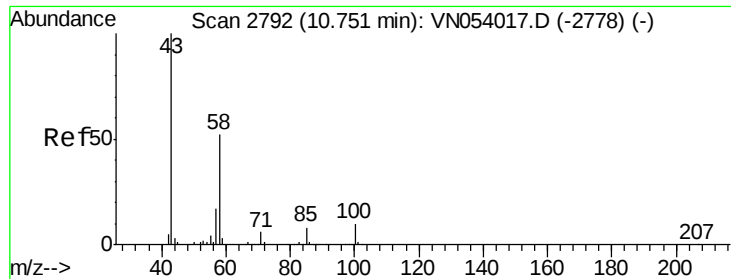
#58
4-Methyl-2-Pentanone
Concen: 104.906 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 43 Resp: 637100
Ion Ratio Lower Upper
43 100
58 36.2 31.6 47.4
85 15.4 13.3 19.9



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

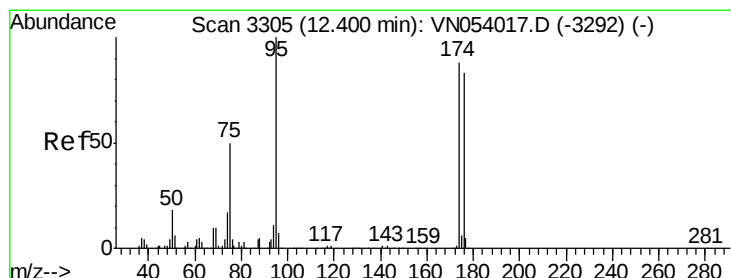
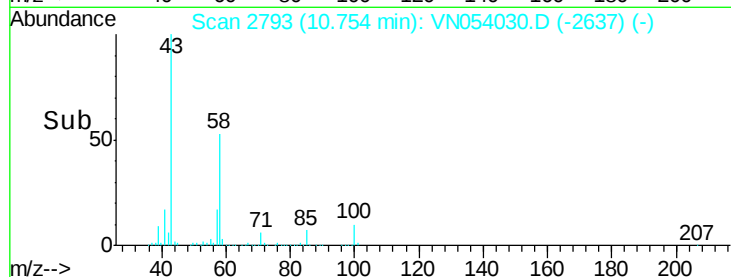
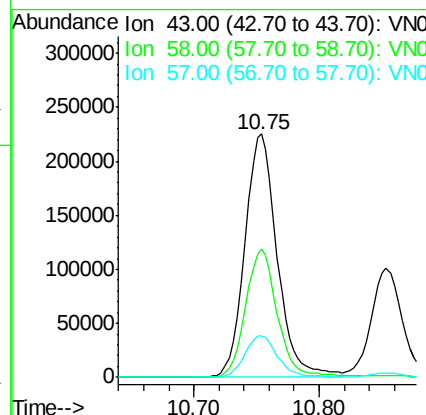
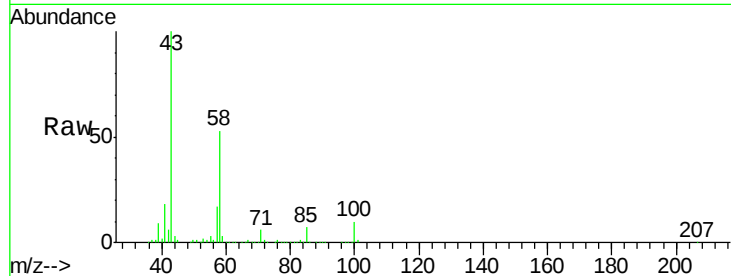




#59
2-Hexanone
Concen: 101.348 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

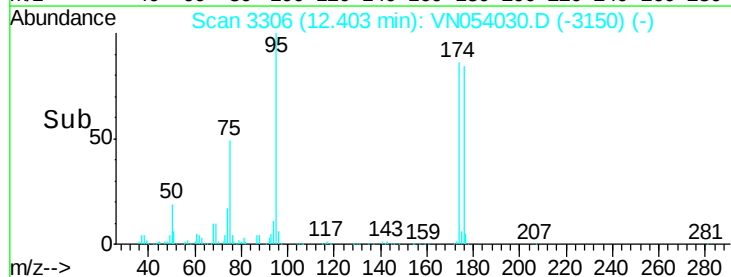
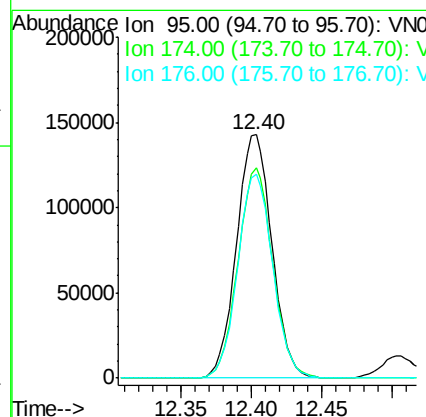
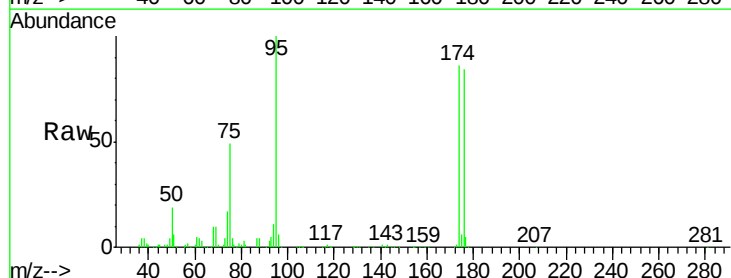
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

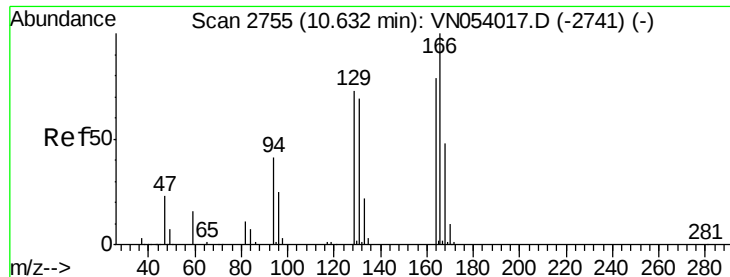
Tot Ion: 43 Resp: 402136
Ion Ratio Lower Upper
43 100
58 52.0 43.2 64.8
57 17.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 101.348 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 95 Resp: 250859
Ion Ratio Lower Upper
95 100
174 85.0 67.9 101.9
176 83.0 66.4 99.6

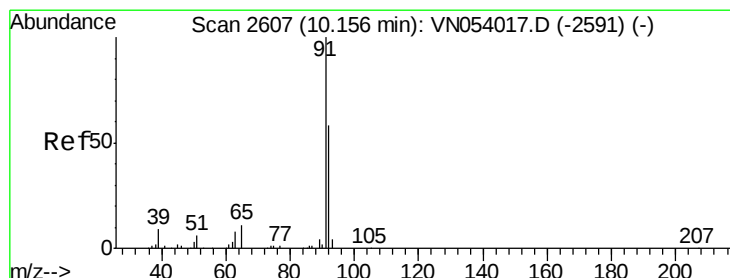
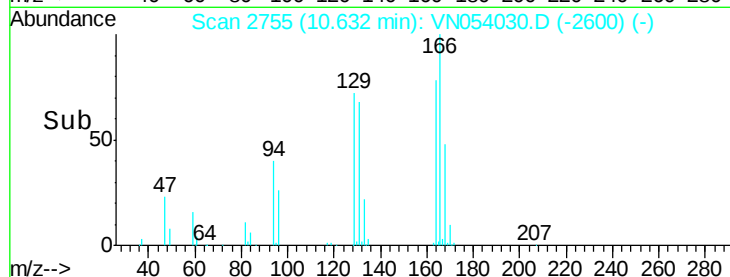
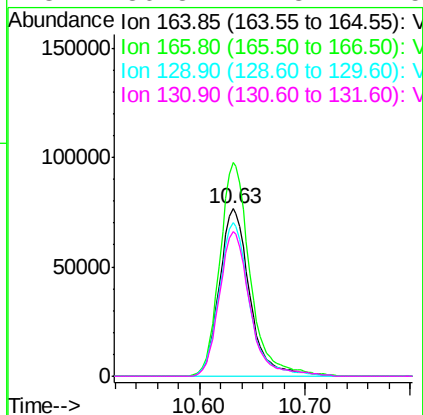
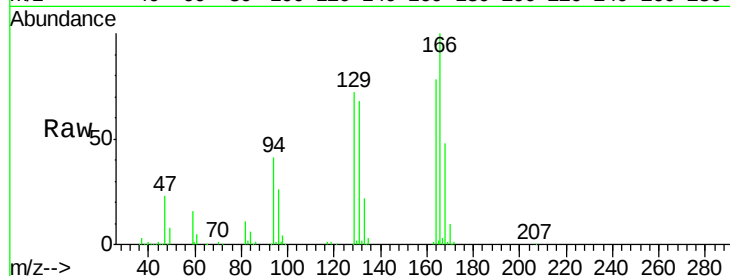




#61
Tetrachloroethene
Concen: 20.319 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

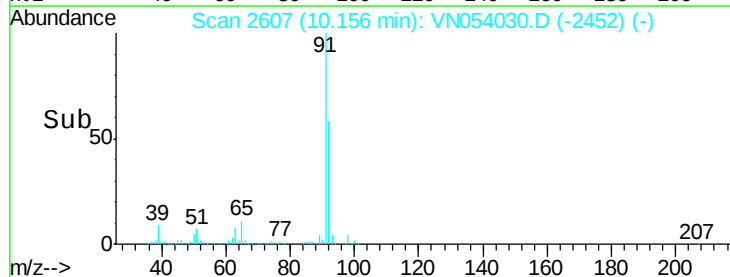
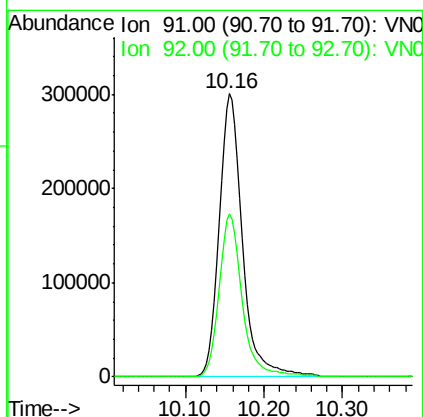
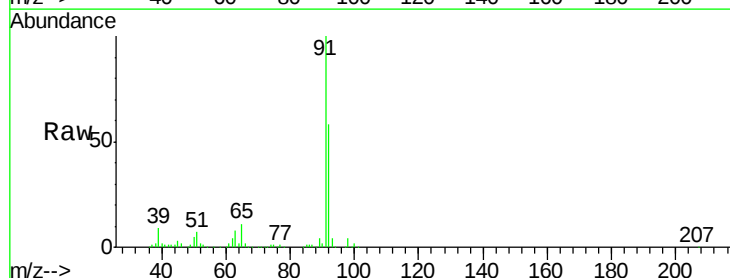
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

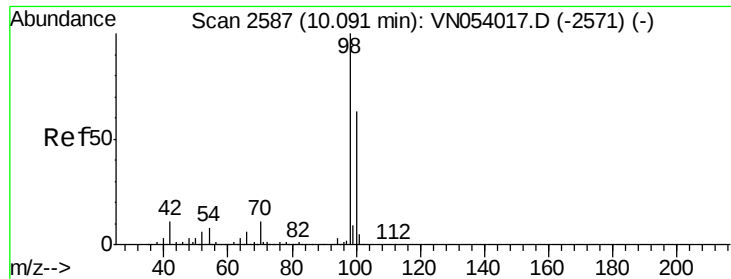
Tot Ion:164 Resp: 152242
Ion Ratio Lower Upper
164 100
166 127.8 104.6 157.0
129 92.0 75.3 112.9
131 86.8 74.3 111.5



#62
Toluene
Concen: 20.313 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 91 Resp: 611841
Ion Ratio Lower Upper
91 100
92 57.2 45.4 68.2





#63

Toluene-d8

Concen: 20.313 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

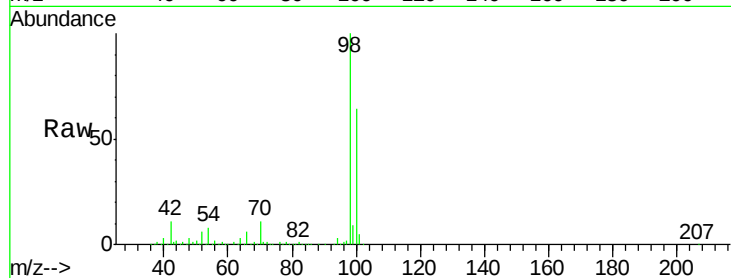
VSTDCCC020EC

Tot Ion: 98 Resp: 785207

Ion Ratio Lower Upper

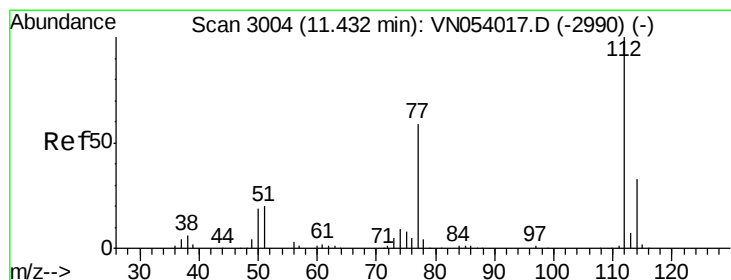
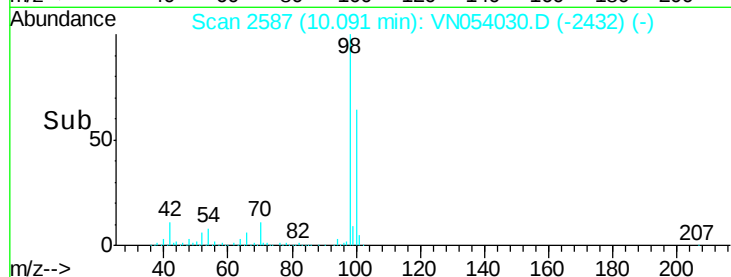
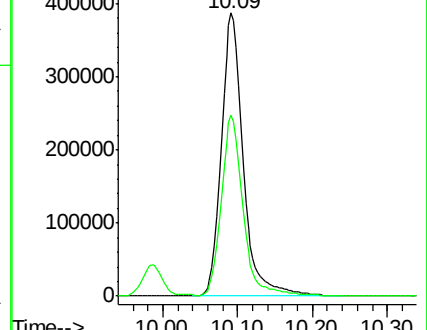
98 100

100 63.8 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) (-)



#64

Chlorobenzene

Concen: 19.969 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054030.D

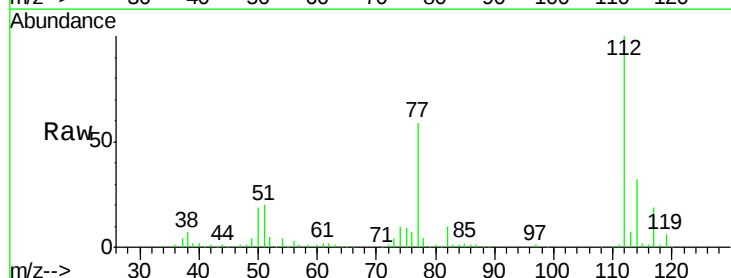
Acq: 1 Mar 2019 15:26

Tgt Ion: 112 Resp: 366253

Ion Ratio Lower Upper

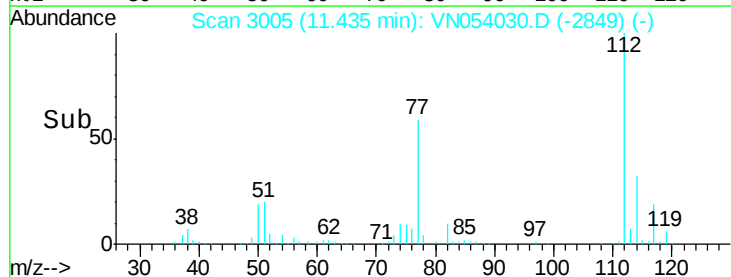
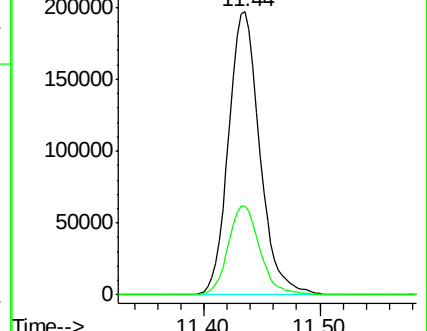
112 100

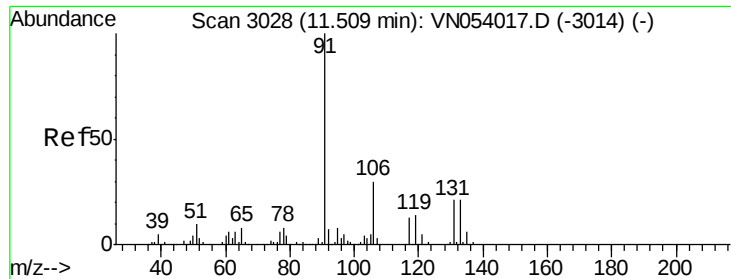
114 31.6 25.6 38.4



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

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





#65

1,1,1,2-Tetrachloroethane

Concen: 19.958 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

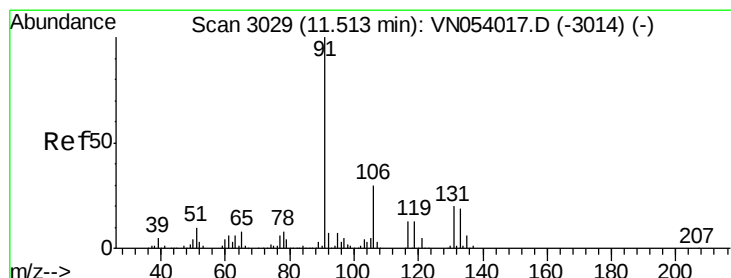
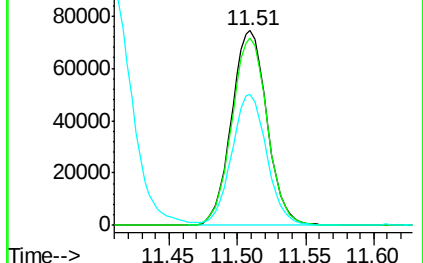
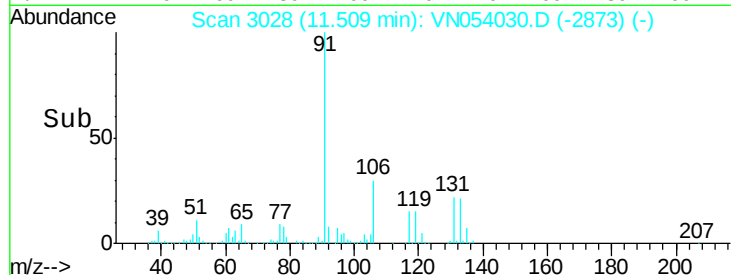
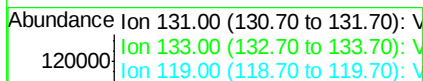
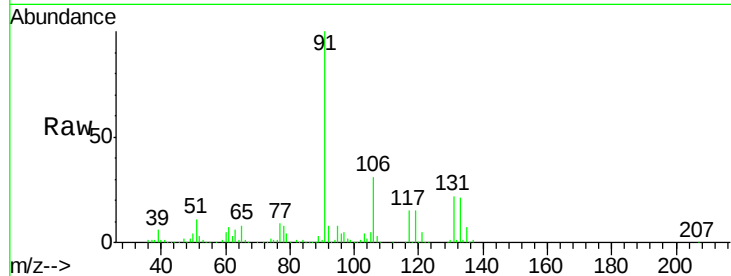
Tot Ion:131 Resp: 134410

Ion Ratio Lower Upper

131 100

133 96.7 0.0 193.4

119 66.3 0.0 133.0



#66

Ethyl Benzene

Concen: 19.937 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054030.D

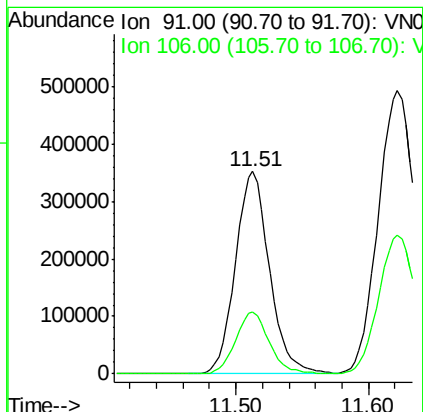
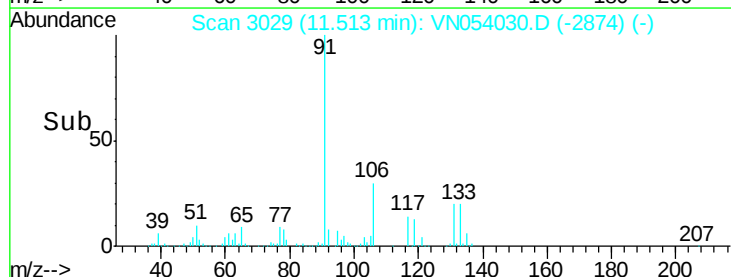
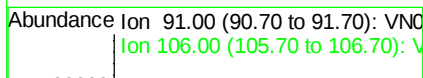
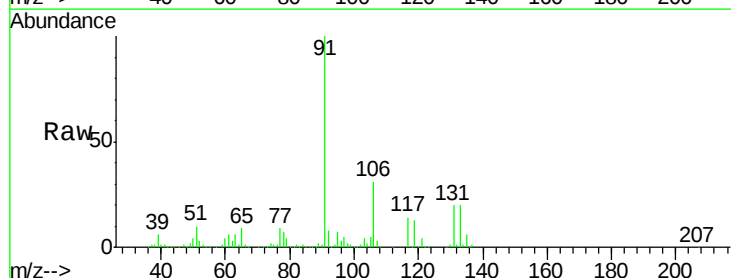
Acq: 1 Mar 2019 15:26

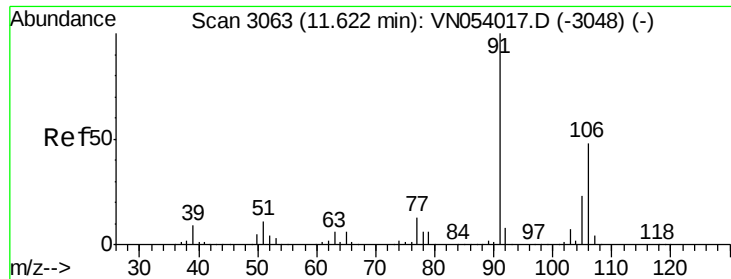
Tgt Ion: 91 Resp: 627706

Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5

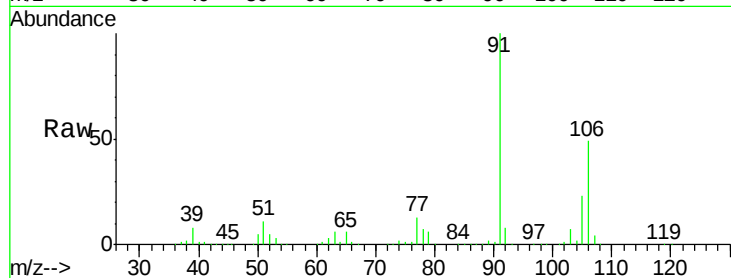




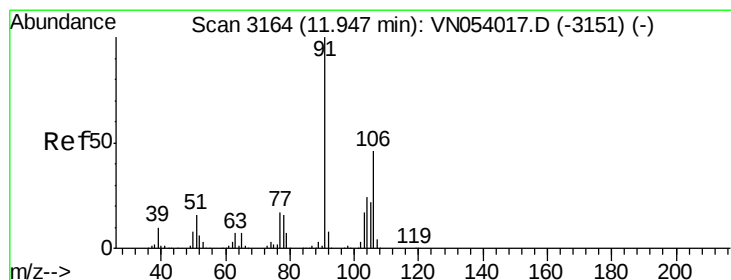
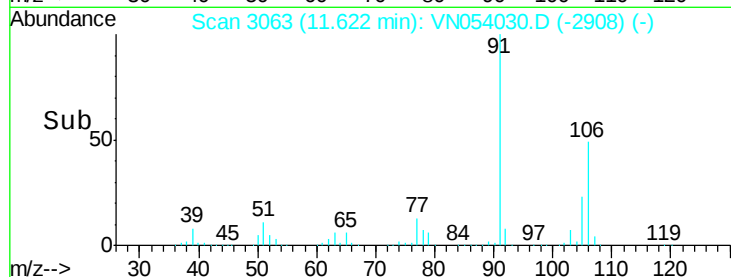
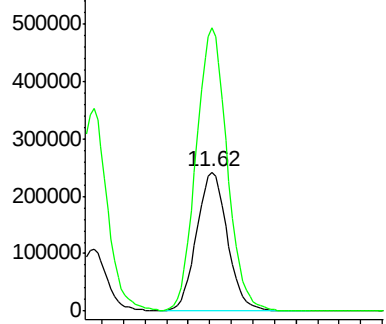
#67
m/p-Xylenes
Concen: 40.865 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 484417
Ion Ratio Lower Upper
106 100
91 204.0 163.9 245.9

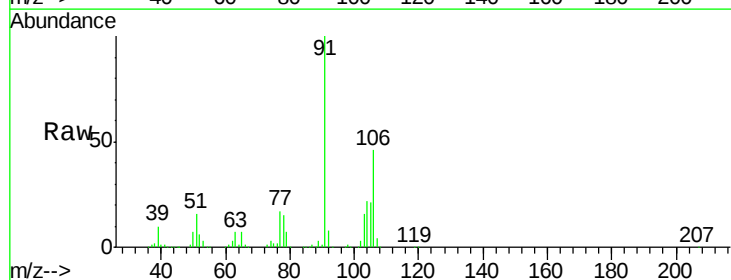


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

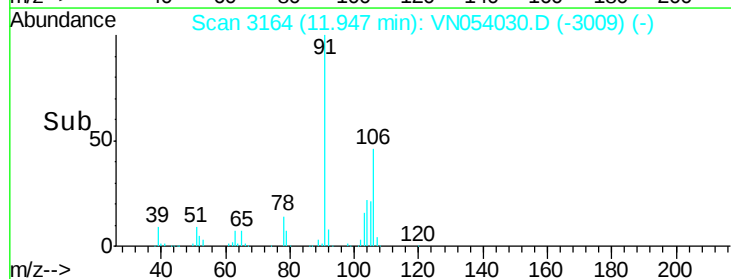
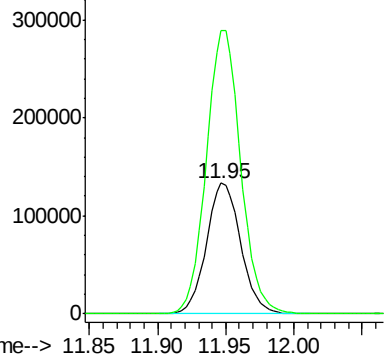


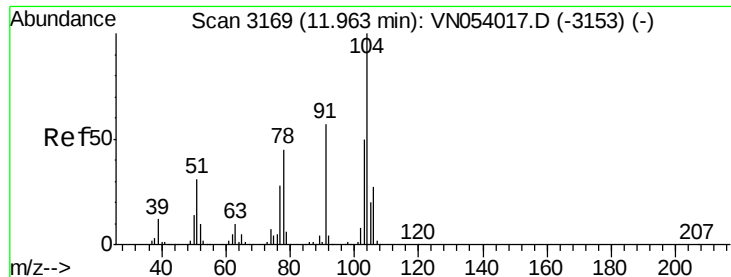
#68
o-Xylene
Concen: 20.236 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion:106 Resp: 232535
Ion Ratio Lower Upper
106 100
91 216.6 107.8 323.4



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

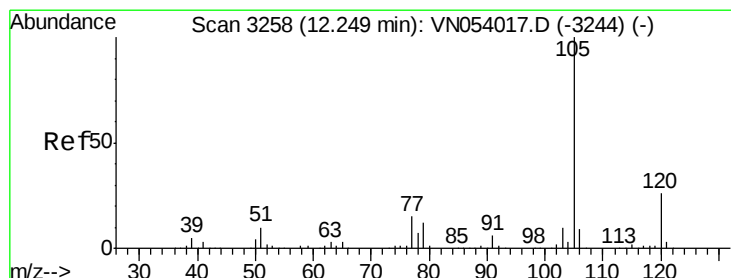
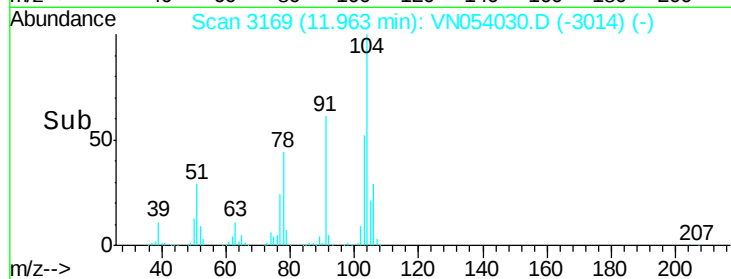
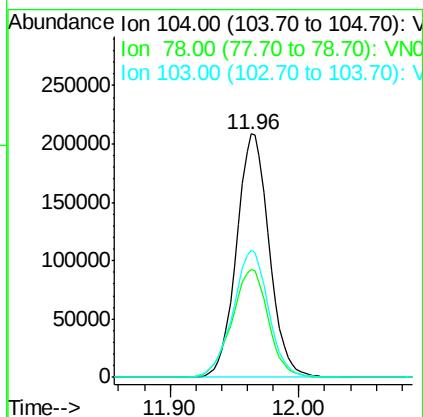
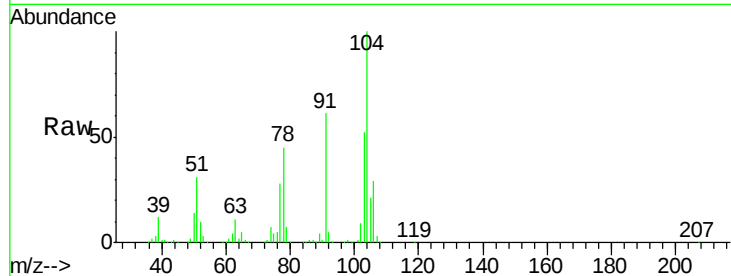




#69
Stvrene
Concen: 20.205 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

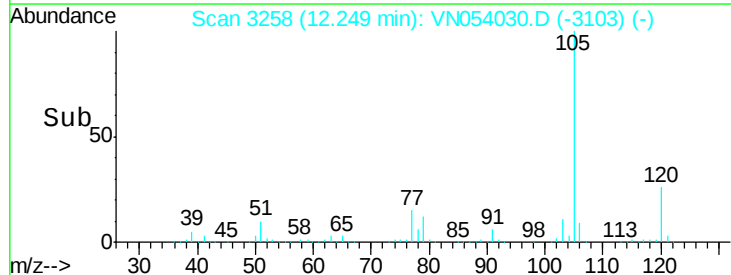
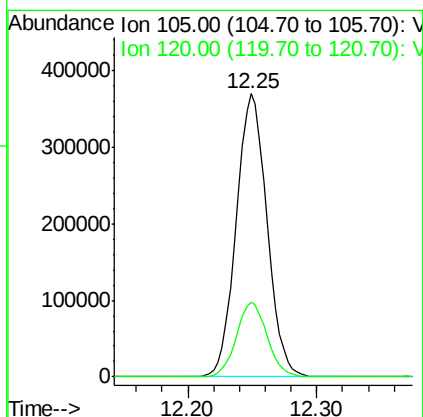
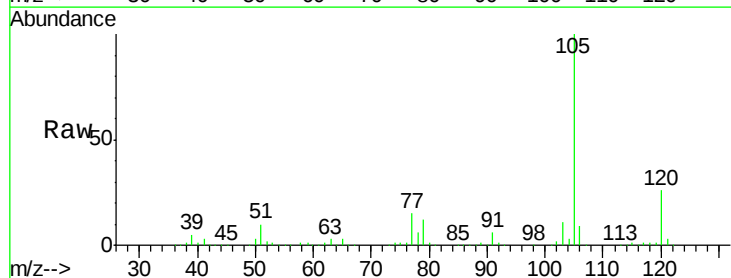
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

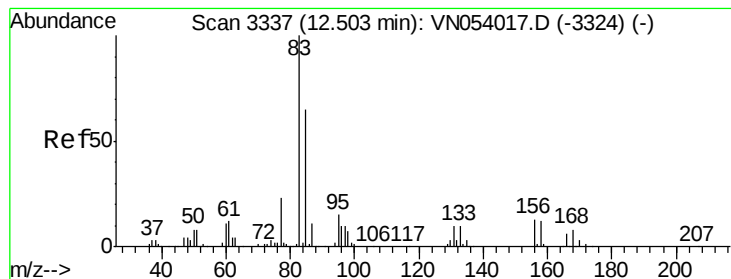
Tot Ion:104 Resp: 367647
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 56.7 44.6 66.8



#70
Isopropylbenzene
Concen: 20.329 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion:105 Resp: 613108
Ion Ratio Lower Upper
105 100
120 26.3 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 20.325 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

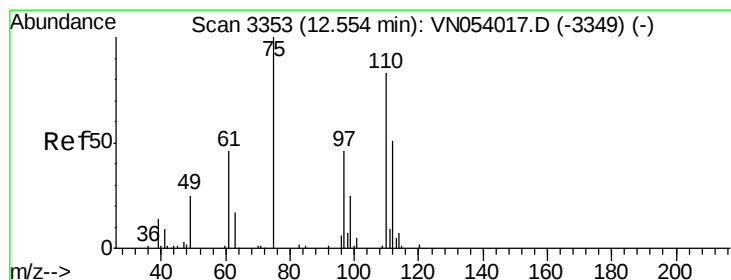
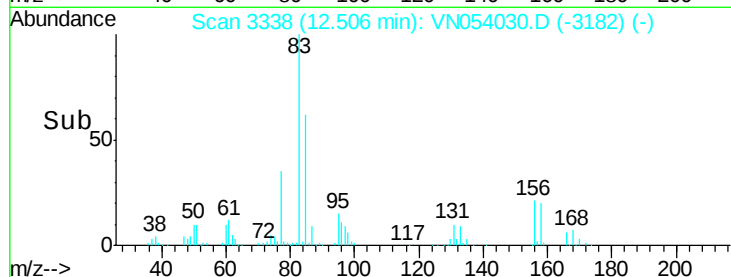
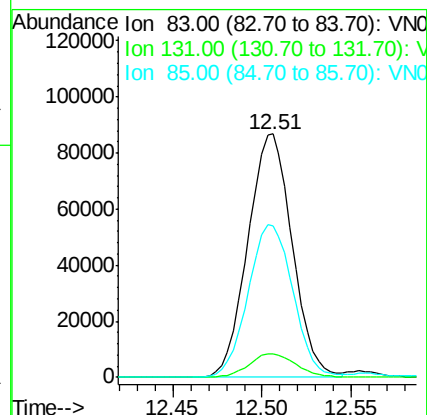
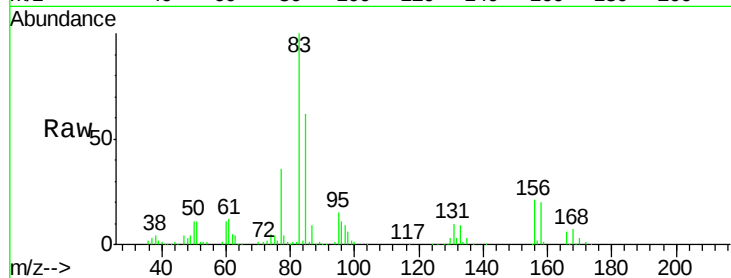
Tot Ion: 83 Resp: 151299

Ion Ratio Lower Upper

83 100

131 10.4 4.9 14.6

85 63.4 32.2 96.6



#72

1,2,3-Trichloropropane

Concen: 32.652 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054030.D

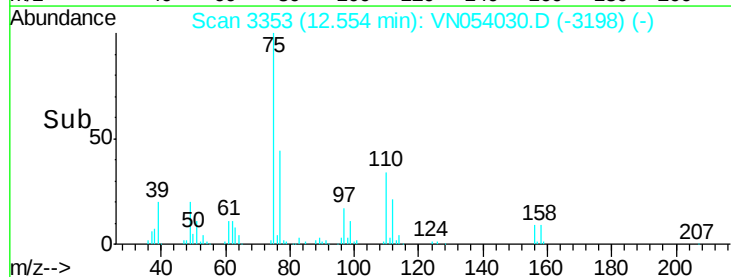
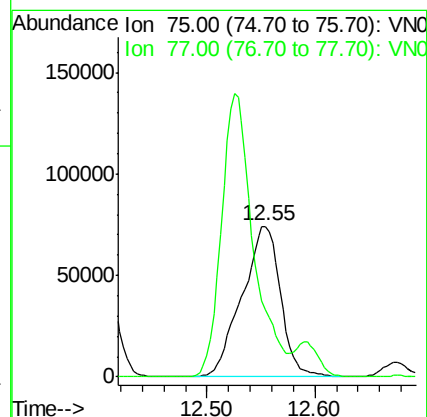
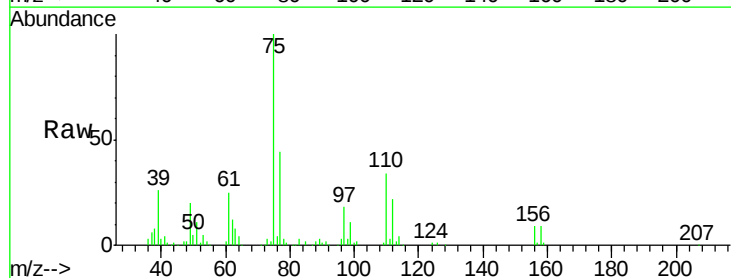
Acq: 1 Mar 2019 15:26

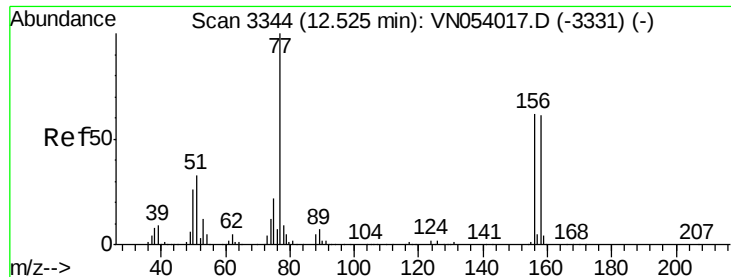
Tgt Ion: 75 Resp: 184558

Ion Ratio Lower Upper

75 100

77 156.6 0.0 514.8





#73

Bromobenzene

Concen: 19.716 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

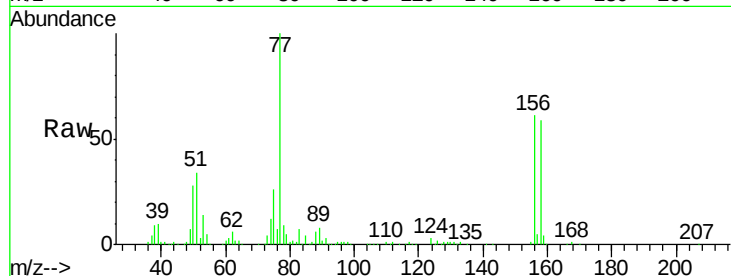
Tot Ion:156 Resp: 149920

Ion Ratio Lower Upper

156 100

77 192.7 0.0 382.6

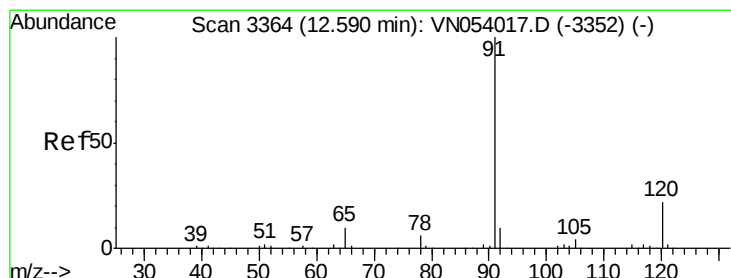
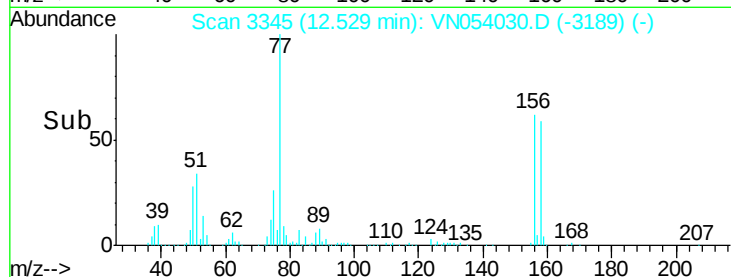
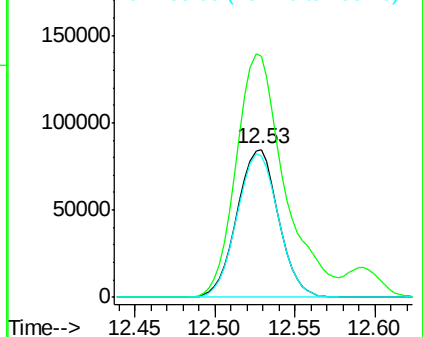
158 97.3 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.025 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054030.D

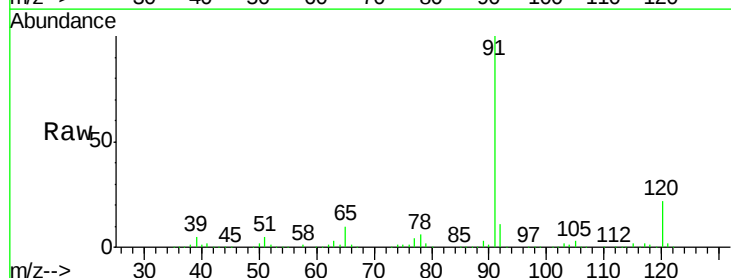
Acq: 1 Mar 2019 15:26

Tgt Ion: 91 Resp: 719170

Ion Ratio Lower Upper

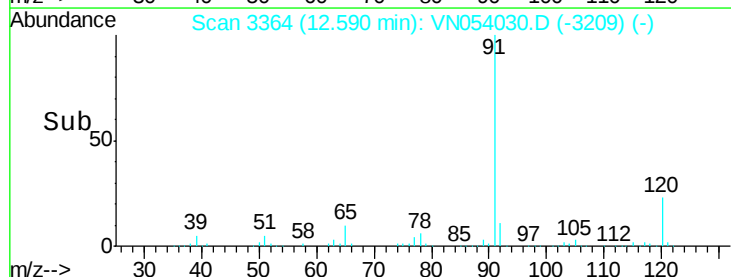
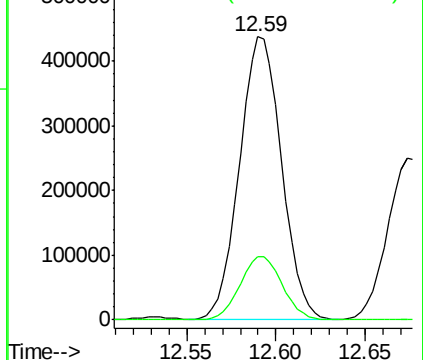
91 100

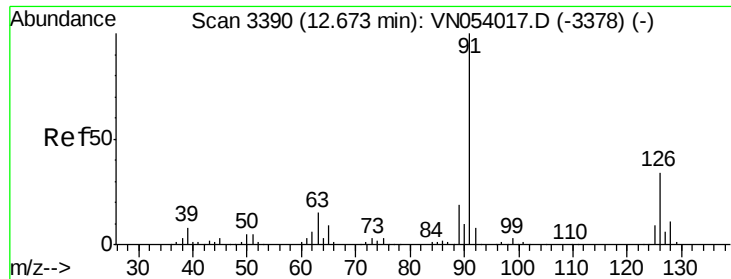
120 22.4 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.513 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

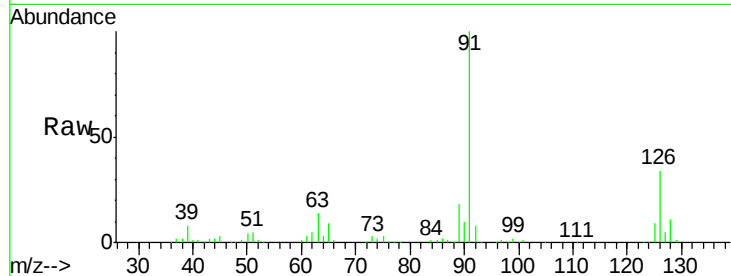
VSTDCCC020EC

Tot Ion: 91 Resp: 431404

Ion Ratio Lower Upper

91 100

126 33.6 0.0 68.4



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

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

400000

300000

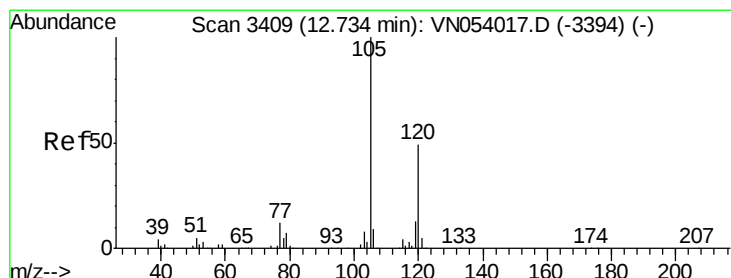
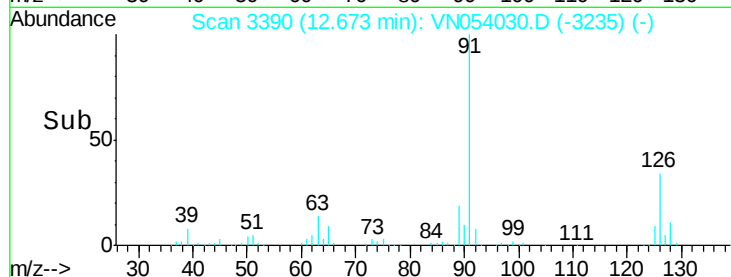
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.231 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN054030.D

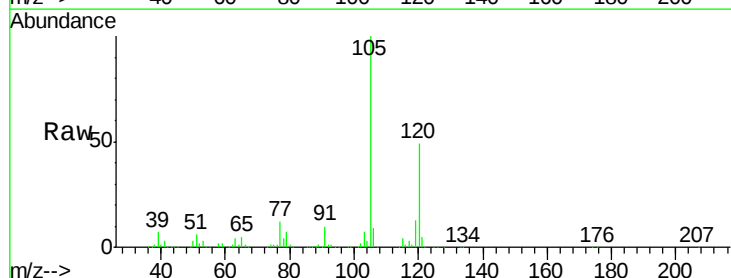
Acq: 1 Mar 2019 15:26

Tgt Ion: 105 Resp: 516837

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.4



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

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

300000

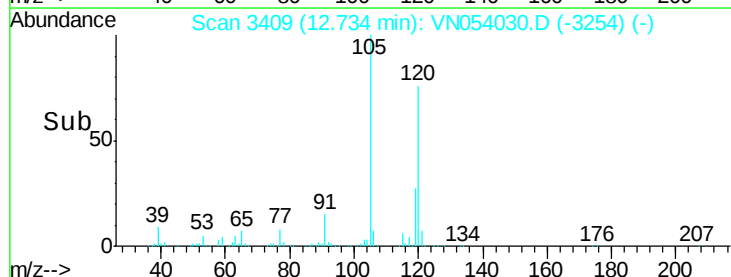
200000

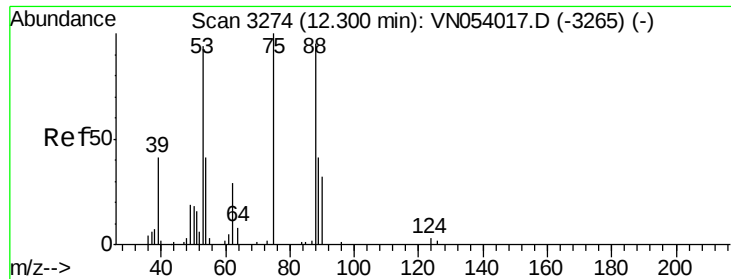
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

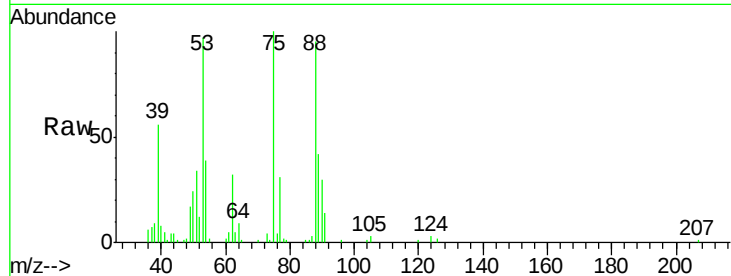
Tot Ion: 75 Resp: 36876

Ion Ratio Lower Upper

75 100

53 97.3 48.5 145.6

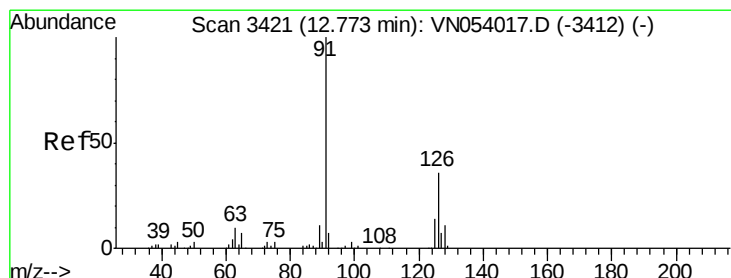
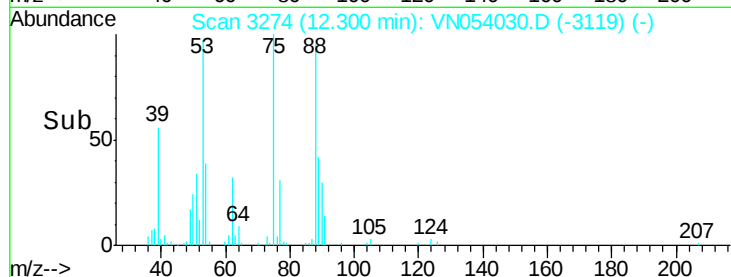
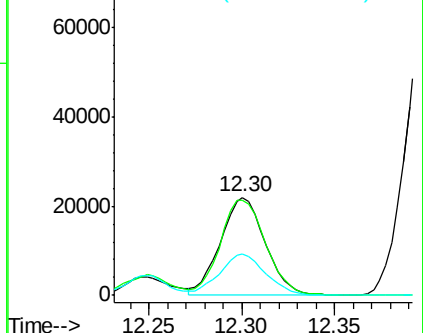
89 42.1 21.7 65.1



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: 20.329 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054030.D

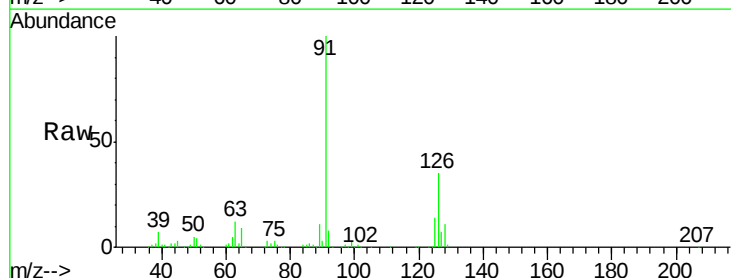
Acq: 1 Mar 2019 15:26

Tgt Ion: 91 Resp: 427800

Ion Ratio Lower Upper

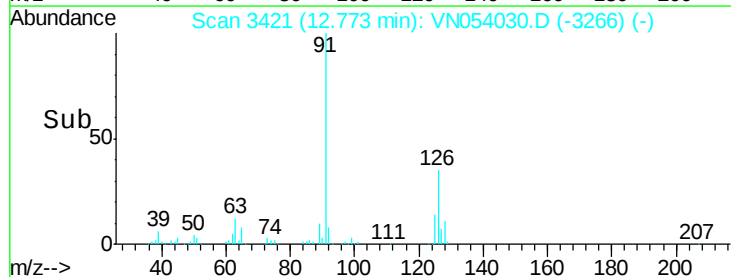
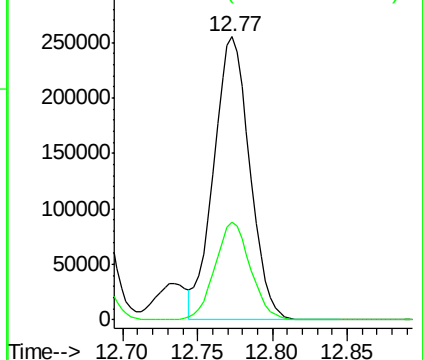
91 100

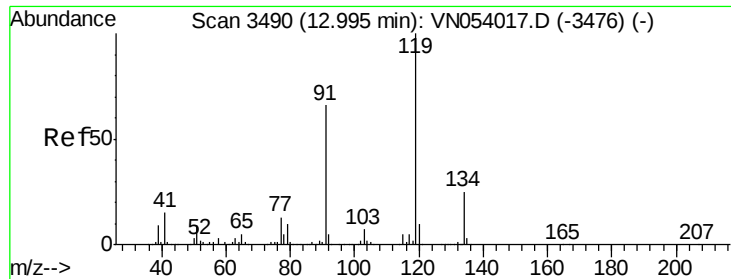
126 33.9 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.873 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

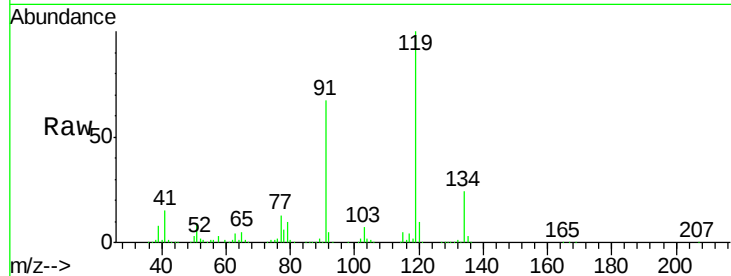
Tot Ion:119 Resp: 444886

Ion Ratio Lower Upper

119 100

91 63.6 0.0 129.8

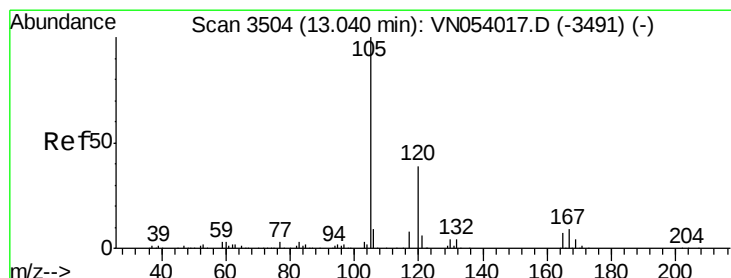
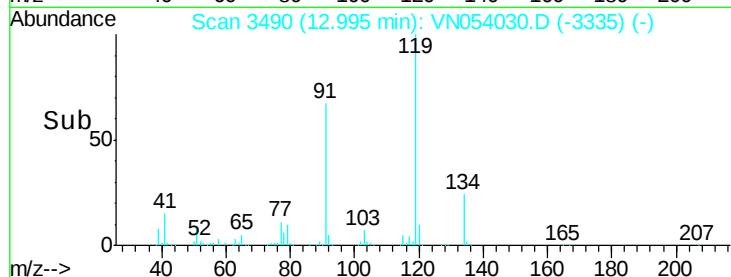
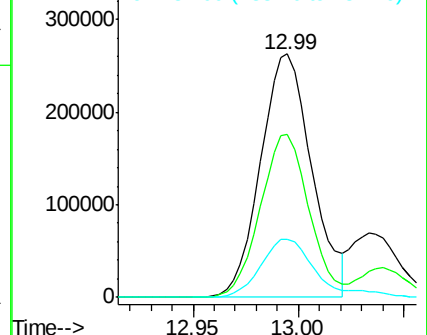
134 25.7 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.442 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054030.D

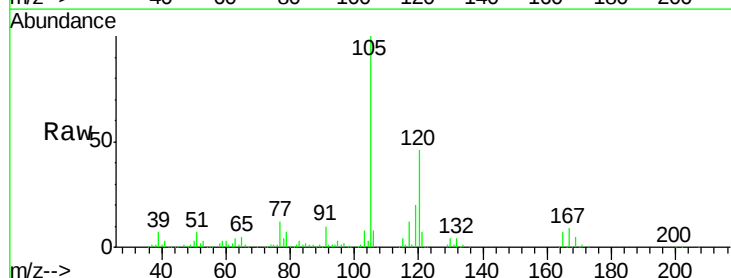
Acq: 1 Mar 2019 15:26

Tgt Ion:105 Resp: 519755

Ion Ratio Lower Upper

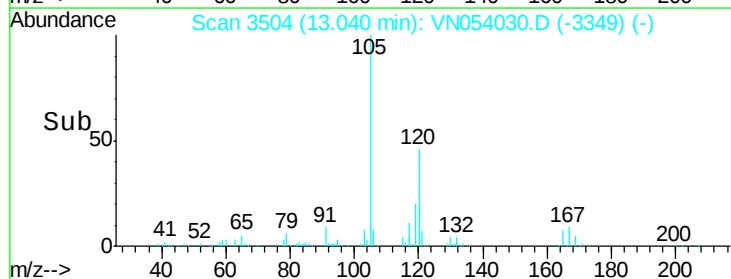
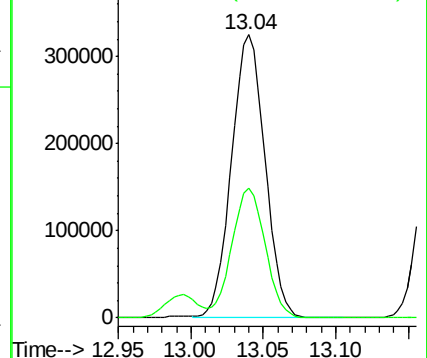
105 100

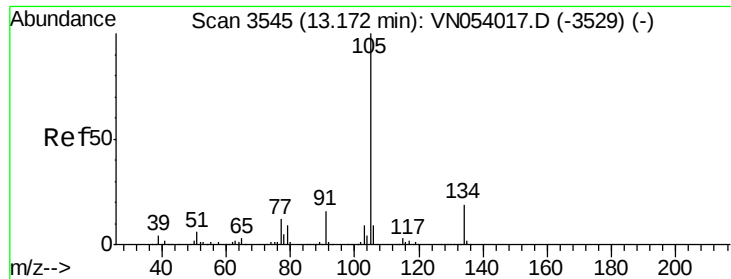
120 45.9 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

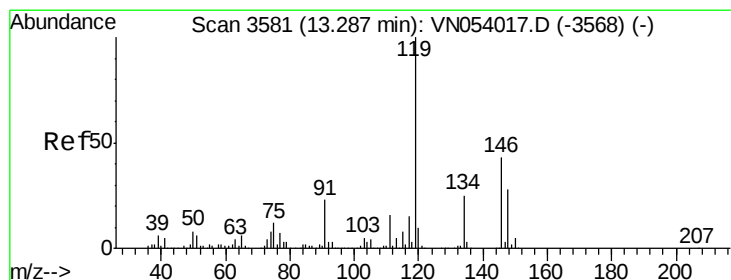
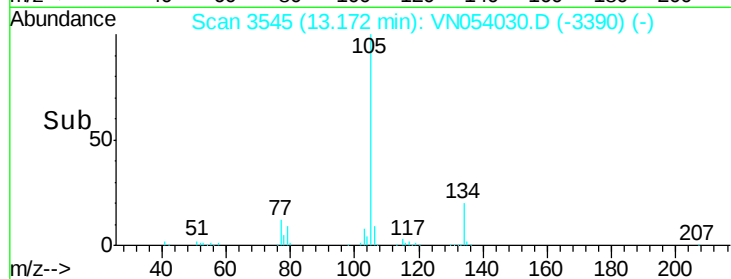
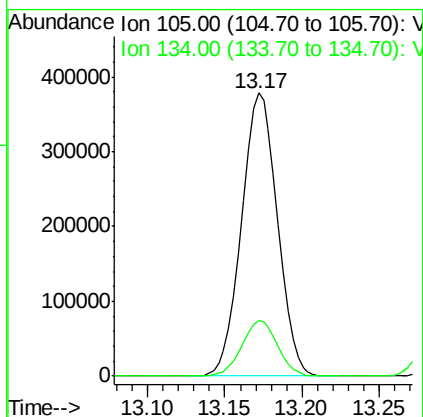
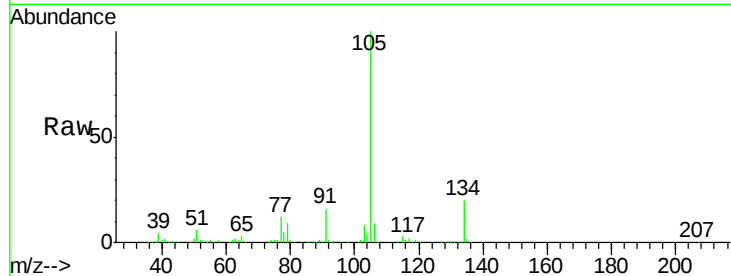




#81
 sec-Butylbenzene
 Concen: 19.845 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

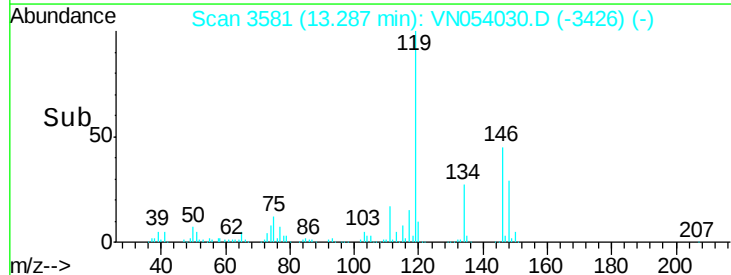
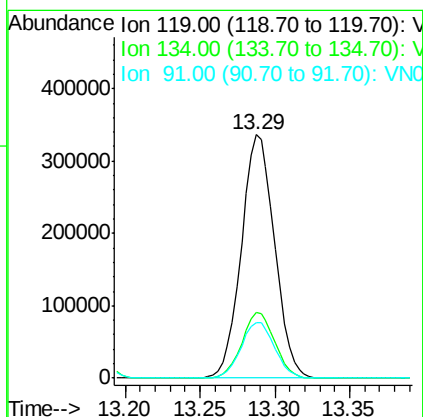
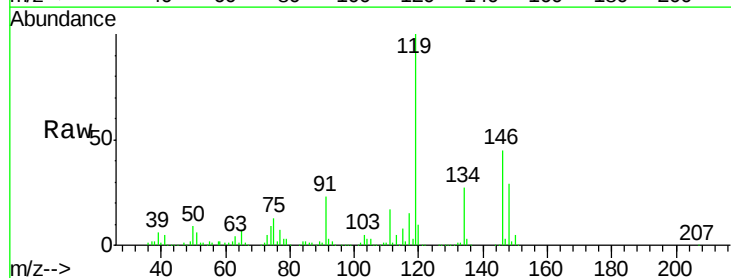
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

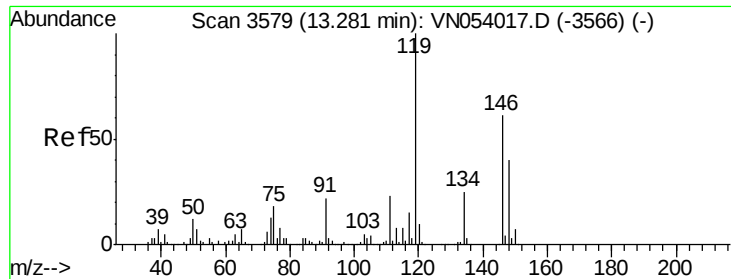
Tot Ion:105 Resp: 609283
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 19.784 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion:119 Resp: 518664
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.6
 91 23.3 0.0 46.2

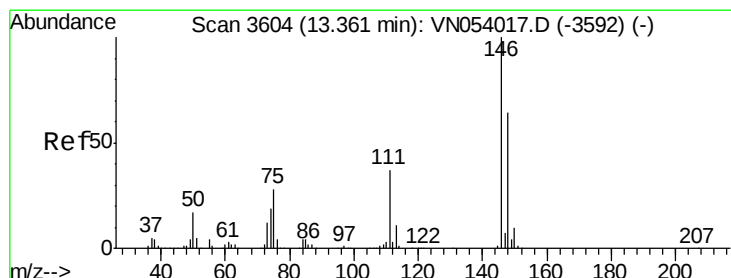
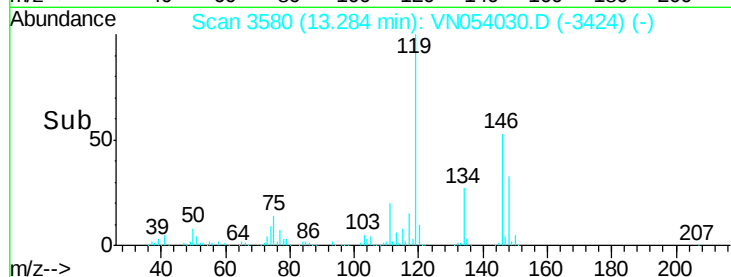
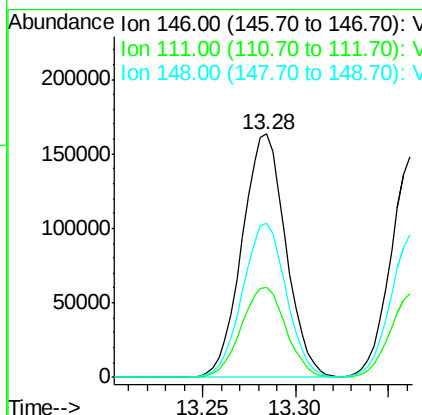
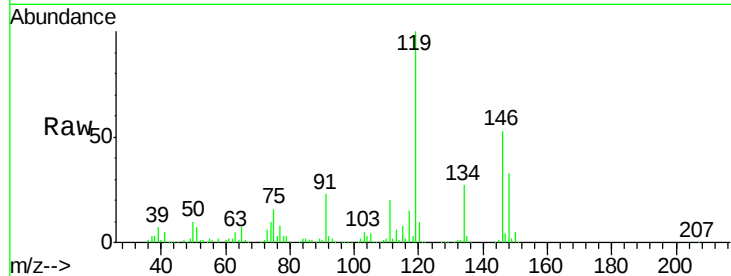




#83
 1,3-Dichlorobenzene
 Concen: 20.052 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

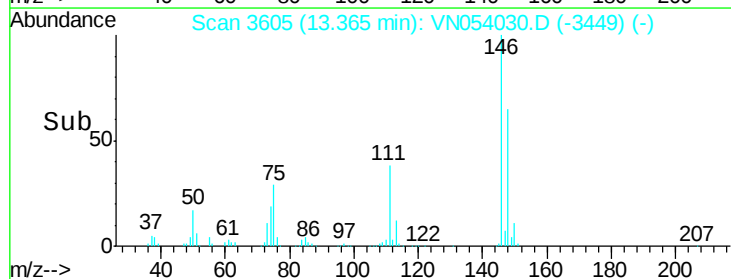
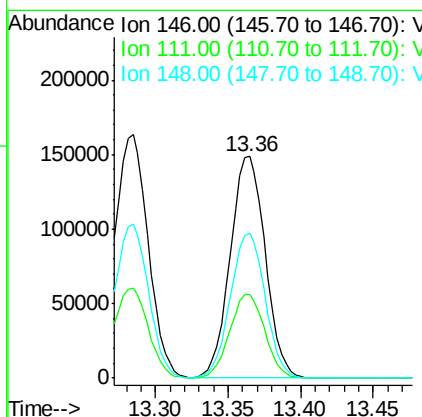
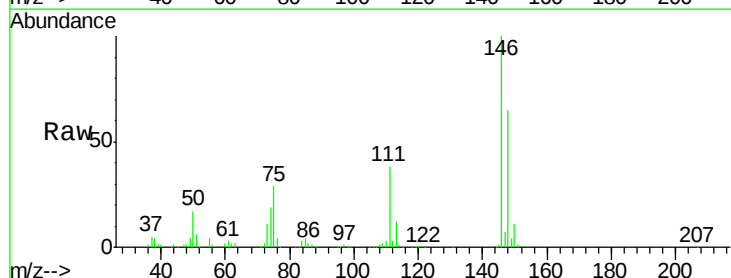
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

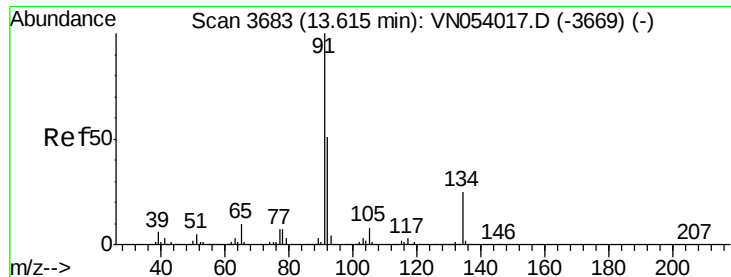
Tot Ion:146 Resp: 268935
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.7 59.0
 148 63.4 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 19.479 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion:146 Resp: 249435
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.6 32.5 97.4





#85

n-Butylbenzene

Concen: 19.054 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

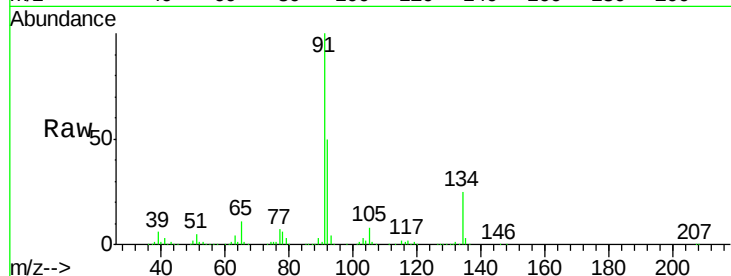
Tot Ion: 91 Resp: 435345

Ion Ratio Lower Upper

91 100

92 50.7 0.0 104.2

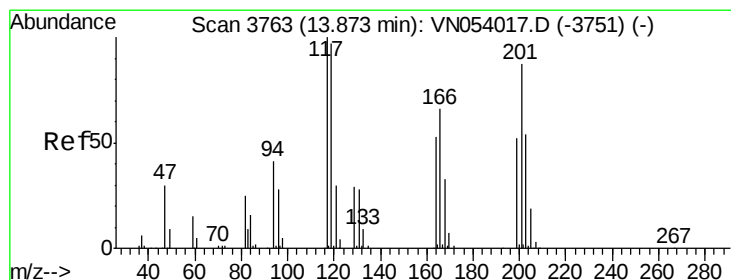
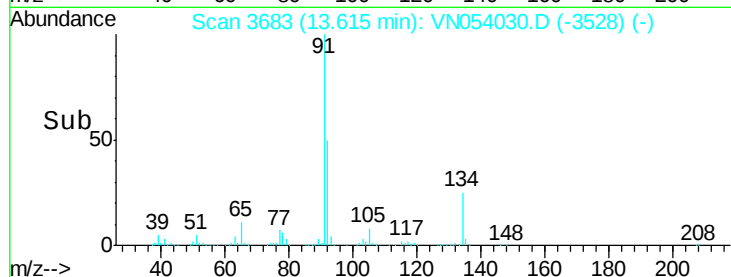
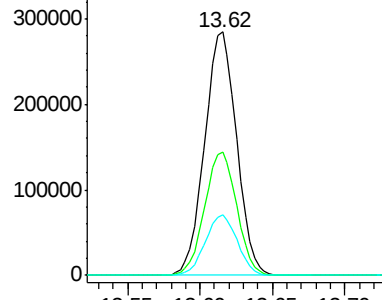
134 24.8 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054017.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054017.D (-3669) (-)



#86

Hexachloroethane

Concen: 17.781 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054030.D

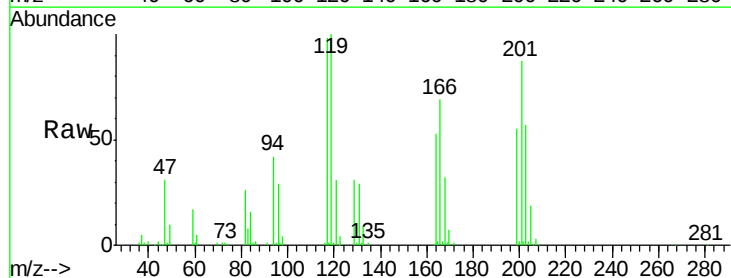
Acq: 1 Mar 2019 15:26

Tgt Ion: 117 Resp: 87151

Ion Ratio Lower Upper

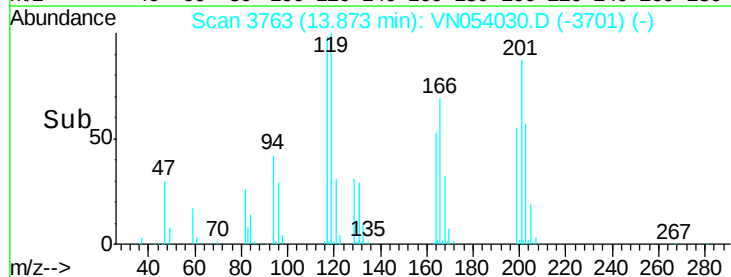
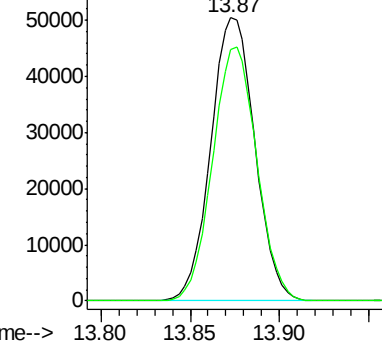
117 100

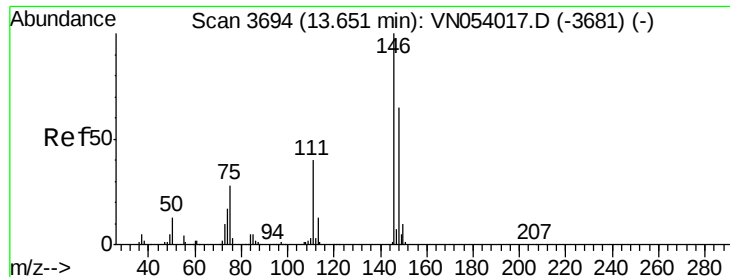
201 89.8 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN054017.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054017.D (-3751) (-)

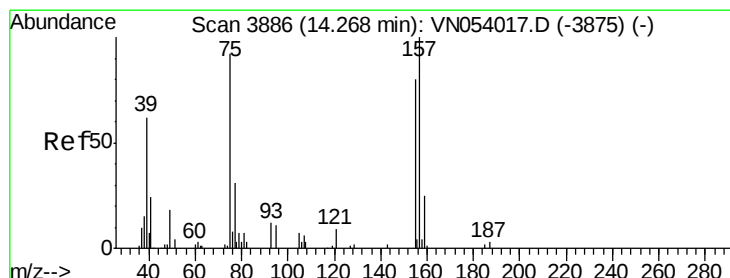
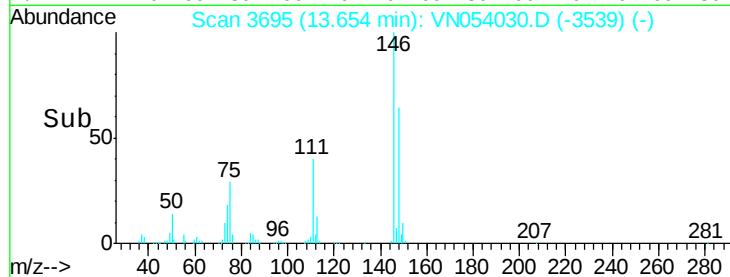
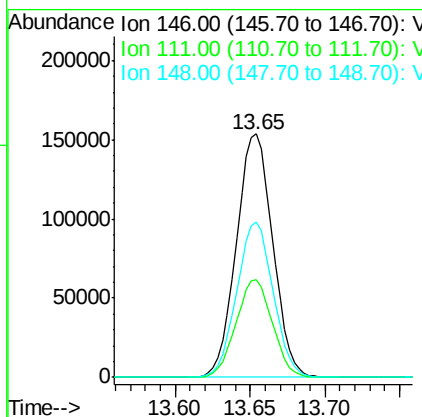
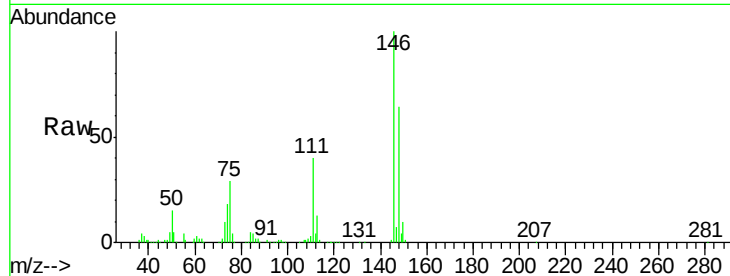




#87
 1,2-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

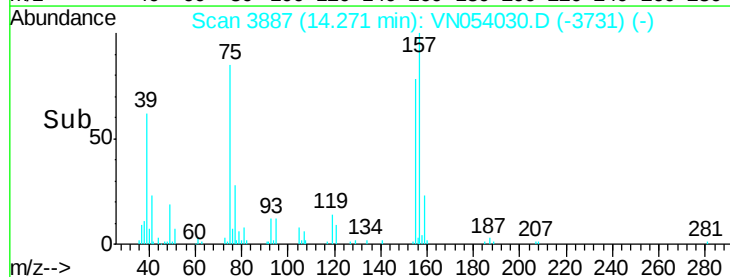
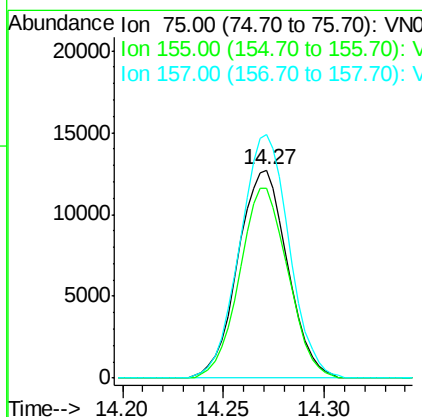
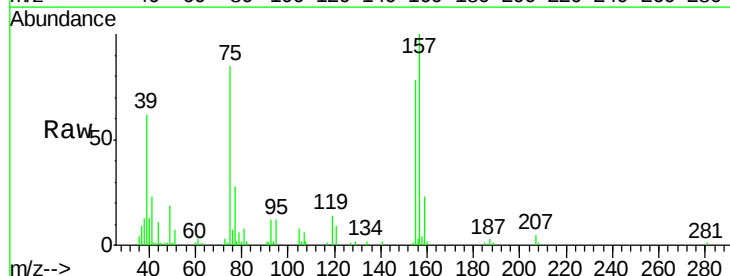
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

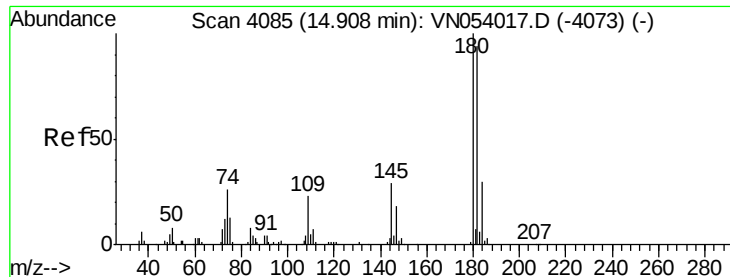
Tot Ion:146 Resp: 260731
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.3 60.8
 148 63.7 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.364 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 75 Resp: 21932
 Ion Ratio Lower Upper
 75 100
 155 88.8 72.2 108.2
 157 116.2 94.2 141.2

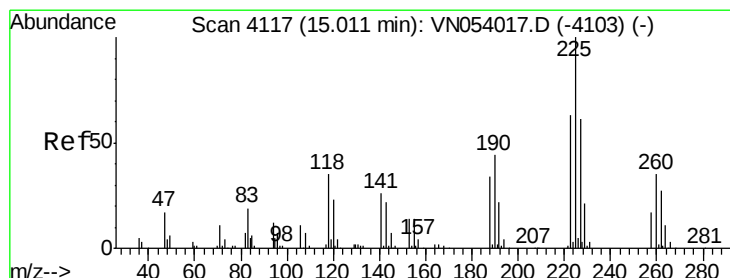
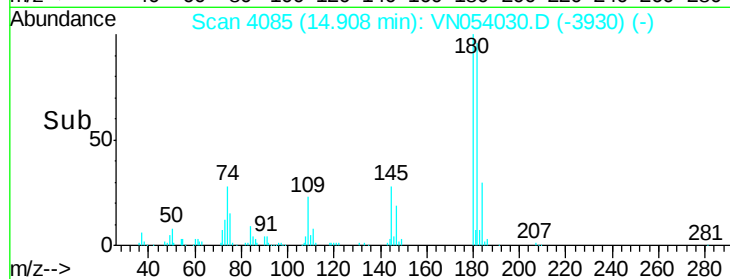
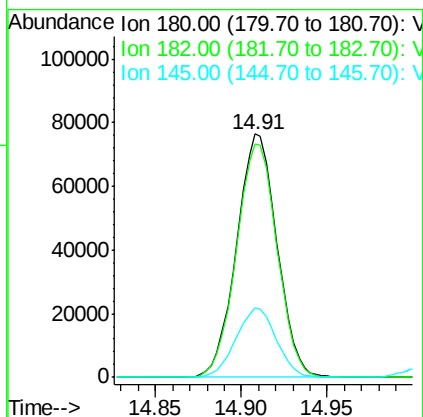
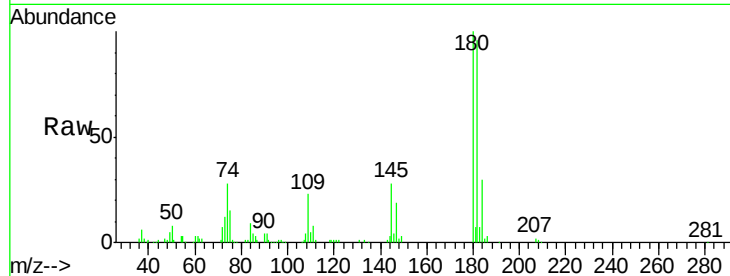




#89
 1,2,4-Trichlorobenzene
 Concen: 18.907 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

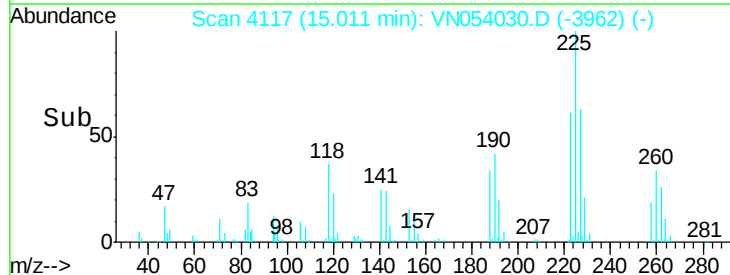
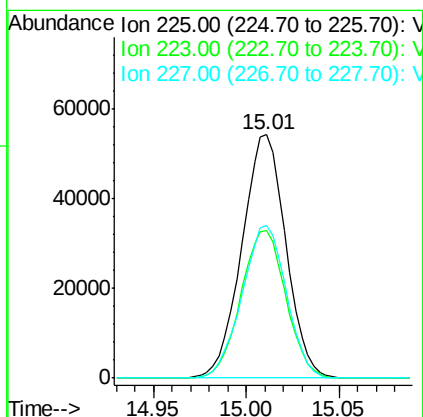
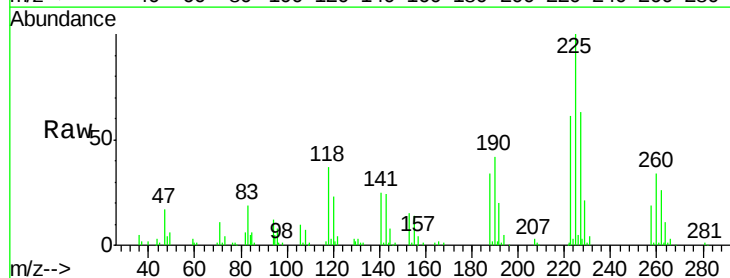
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

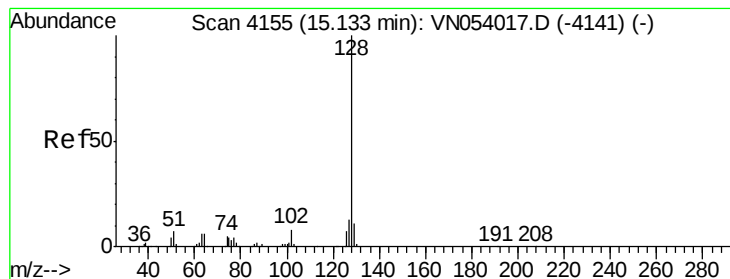
Tot Ion:180 Resp: 124937
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.6 114.8
 145 28.5 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 18.646 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion:225 Resp: 89520
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 125.6
 227 63.4 0.0 127.8





#91

Naphthalene

Concen: 20.880 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

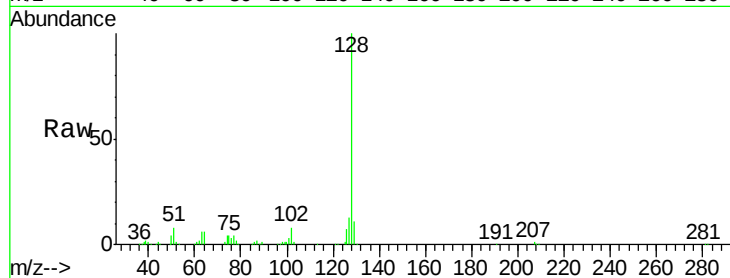
Tot Ion:128 Resp: 250823

Ion Ratio Lower Upper

128 100

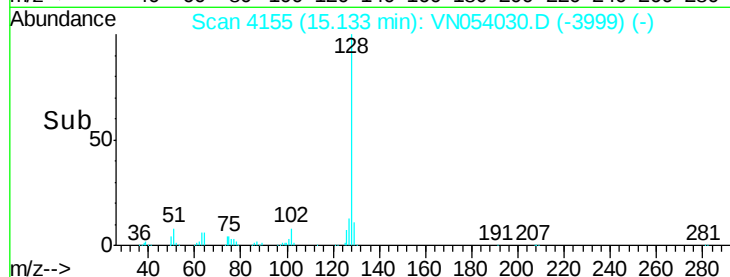
127 12.8 9.9 14.9

129 10.9 8.5 12.7

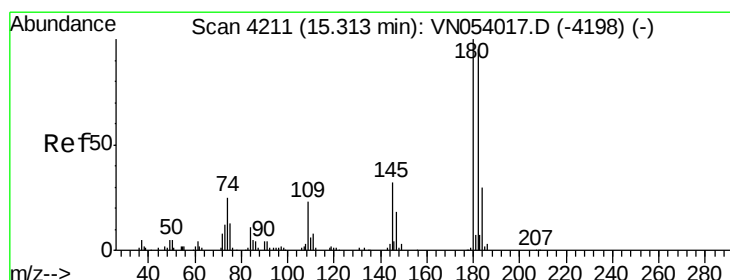


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13



Time--> 15.05 15.10 15.15 15.20



#92

1,2,3-Trichlorobenzene

Concen: 19.490 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

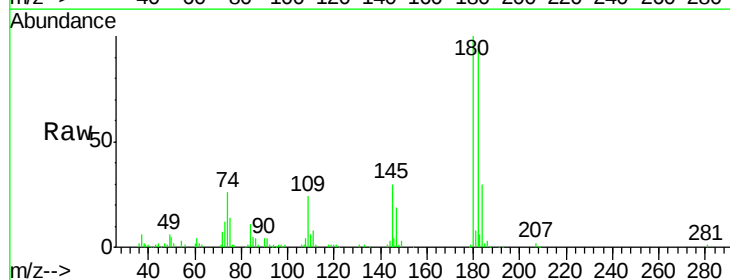
Tgt Ion:180 Resp: 127186

Ion Ratio Lower Upper

180 100

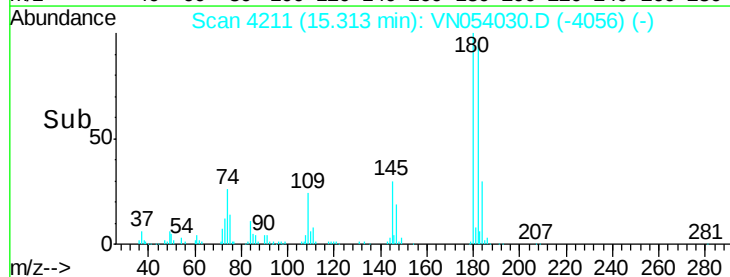
182 95.4 0.0 196.2

145 29.5 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

15.31



Time--> 15.25 15.30 15.35