

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054406.D
 Acq On : 18 Mar 2019 21:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 05:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1130902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1792374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1564607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	622640	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	593805	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.09	98	2140173	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	730105	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	546202	50.961	ug/l	98
3) Chloromethane	2.06	50	530996	51.002	ug/l	99
4) Vinyl Chloride	2.19	62	577222	48.507	ug/l	99
5) Bromomethane	2.57	94	332036	40.288	ug/l	97
6) Chloroethane	2.71	64	346066	48.065	ug/l	99
7) Trichlorofluoromethane	3.02	101	748196	47.291	ug/l	99
8) Diethyl Ether	3.41	74	386937	53.669	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	614259	51.811	ug/l	99
10) Methyl Iodide	3.94	142	799467	47.559	ug/l	100
11) Tert butyl alcohol	4.82	59	200513	243.532	ug/l	98
12) 1,1-Dichloroethene	3.73	96	599014	50.985	ug/l	99
13) Acrolein	3.61	56	193478	247.986	ug/l	98
14) Allyl chloride	4.31	41	766960	50.879	ug/l	99
15) Acrylonitrile	4.99	53	975668	288.481	ug/l	100
16) Acetone	3.82	43	692731	201.446	ug/l	98
17) Carbon Disulfide	4.04	76	1262016	42.849	ug/l	99
18) Methyl Acetate	4.33	43	463567	66.630	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1584303	54.403	ug/l	100
20) Methylene Chloride	4.54	84	609722	53.999	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	591070	52.507	ug/l	100
22) Diisopropyl ether	5.96	45	1695655	56.362	ug/l	98
23) Vinyl Acetate	5.90	43	5971034	269.182	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1059081	54.826	ug/l	99
25) 2-Butanone	6.85	43	1136136	281.494	ug/l	98
26) 2,2-Dichloropropane	6.82	77	721468	42.470	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	698706	55.637	ug/l	98
28) Bromochloromethane	7.19	49	426879	54.055	ug/l	98
29) Tetrahydrofuran	7.22	42	734646	283.094	ug/l	99
30) Chloroform	7.37	83	1132930	56.204	ug/l	100
31) Cyclohexane	7.65	56	909799	50.386	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	952438	52.318	ug/l	99
36) 1,1-Dichloropropene	7.79	75	822232	49.813	ug/l	100
37) Ethyl Acetate	6.94	43	498513	52.562	ug/l	99
38) Carbon Tetrachloride	7.77	117	832452	48.091	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	929588	45.772	ug/l	99
40) Benzene	8.04	78	2480188	52.508	ug/l	100
41) Methacrylonitrile	7.17	41	281051	51.900	ug/l	96
42) 1,2-Dichloroethane	8.12	62	814797	51.094	ug/l	99
43) Isopropyl Acetate	8.17	43	835998	50.217	ug/l	98
44) Trichloroethene	8.83	130	746978	50.908	ug/l	98
45) 1,2-Dichloropropane	9.12	63	631621	53.853	ug/l	100
46) Dibromomethane	9.21	93	410417	51.790	ug/l	99
47) Bromodichloromethane	9.40	83	834438	52.524	ug/l	99
48) Methyl methacrylate	9.20	41	445424	52.723	ug/l	96
49) 1,4-Dioxane	9.20	88	135308	1132.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2469381	280.294	ug/l	98
52) Toluene	10.16	92	1577117	52.659	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	774237	42.903	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	927660	50.109	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	590895	54.033	ug/l	97
56) Ethyl methacrylate	10.43	69	707751	54.277	ug/l	95
57) 1,3-Dichloropropane	10.71	76	973081	54.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1367480	242.285	ug/l	99
59) 2-Hexanone	10.75	43	1531629	261.275	ug/l	97
60) Dibromochloromethane	10.90	129	645960	52.479	ug/l	100
61) 1,2-Dibromoethane	11.01	107	592075	53.277	ug/l	100
64) Tetrachloroethene	10.63	164	742714	49.097	ug/l	98
65) Chlorobenzene	11.43	112	1815700	52.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	666772	53.427	ug/l	99
67) Ethyl Benzene	11.51	91	2969615	52.146	ug/l	100
68) m/p-Xylenes	11.62	106	2332883	104.810	ug/l	100
69) o-Xylene	11.95	106	1153649	53.169	ug/l	98
70) Styrene	11.96	104	1831540	53.822	ug/l	100
71) Bromoform	12.13	173	418907	44.314	ug/l #	100
73) Isopropylbenzene	12.25	105	2993892	50.612	ug/l	100
74) N-amyl acetate	12.07	43	688752	52.456	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	688605	54.638	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	809838	74.484	ug/l #	100
77) Bromobenzene	12.53	156	803626	51.340	ug/l	99
78) n-propylbenzene	12.59	91	3250515	50.642	ug/l	100
79) 2-Chlorotoluene	12.67	91	1979295	51.287	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2458803	49.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131945	41.484	ug/l	91
82) 4-Chlorotoluene	12.77	91	1955782	50.752	ug/l	99
83) tert-Butylbenzene	12.99	119	2229444	49.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2488295	51.549	ug/l	100
85) sec-Butylbenzene	13.17	105	2776971	47.281	ug/l	100
86) p-Isopropyltoluene	13.29	119	2457796	47.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1362104	51.642	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1329607	51.315	ug/l	99
89) n-Butylbenzene	13.61	91	1845819	47.147	ug/l	100
90) Hexachloroethane	13.87	117	382555	44.838	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1367083	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	101546	52.069	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

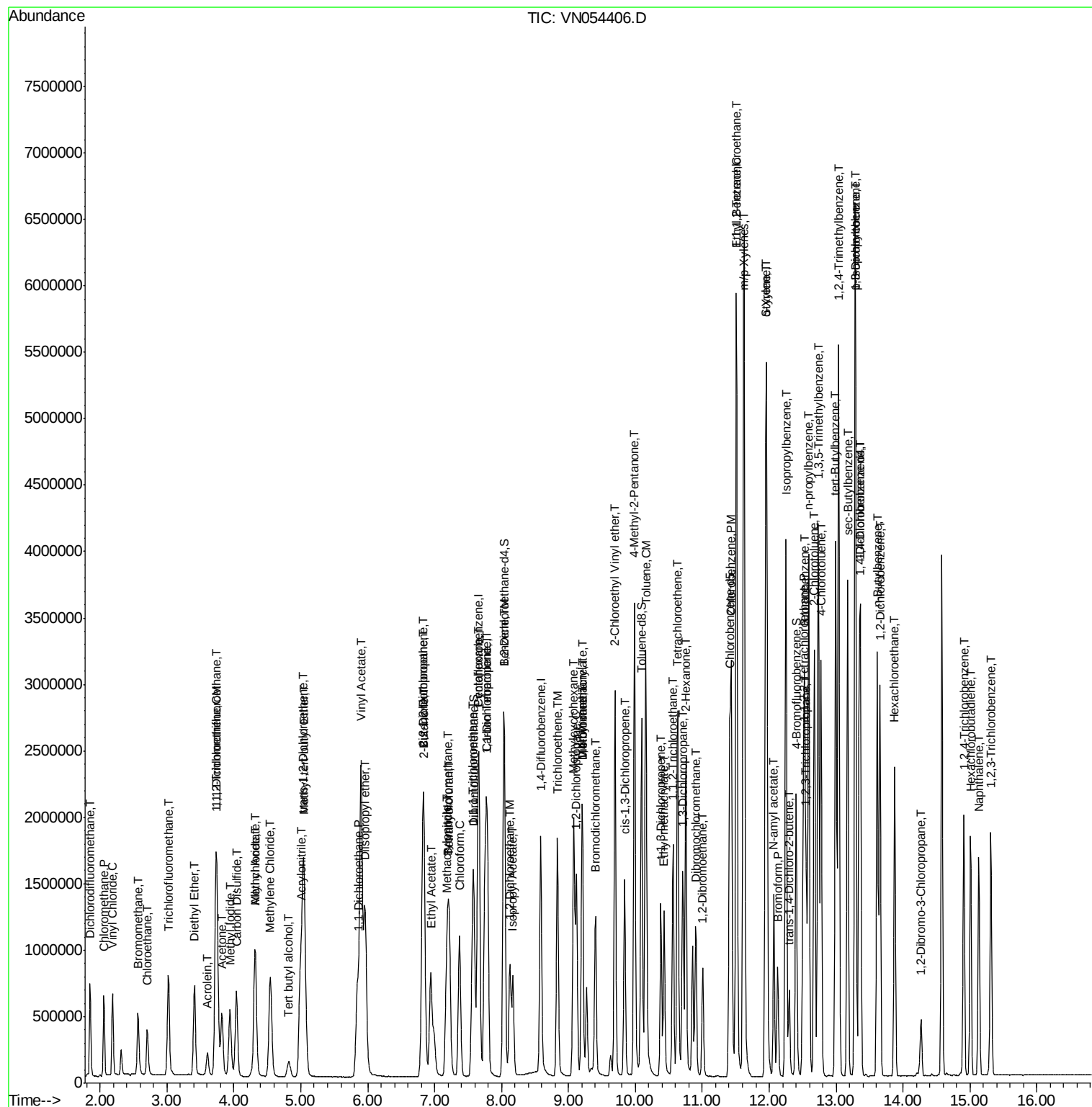
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	690982	44.670	ug/l	99
94) Hexachlorobutadiene	15.01	225	394934	40.212	ug/l	100
95) Naphthalene	15.13	128	1493639	46.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	693003	50.584	ug/l	100

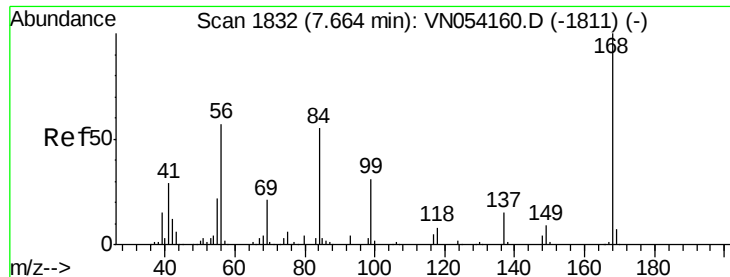
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

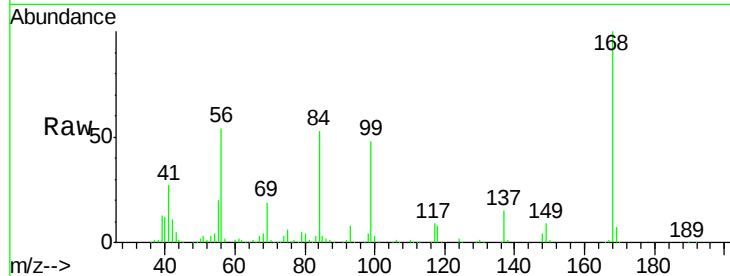
VSTDCCC050

Tot Ion:168 Resp: 1130902

Ion Ratio Lower Upper

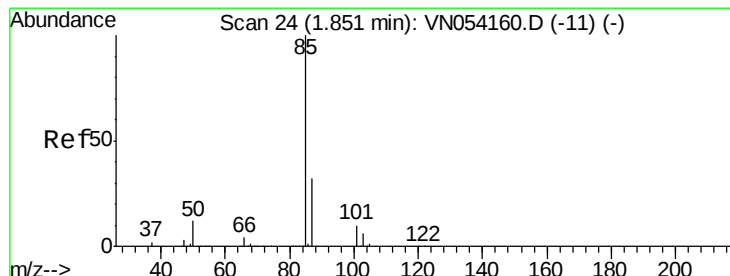
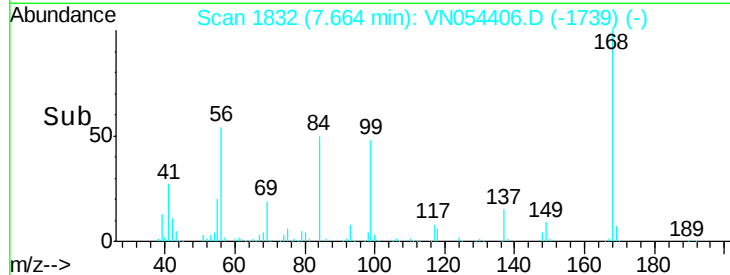
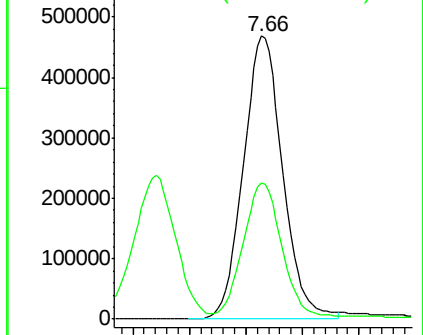
168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.961 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054406.D

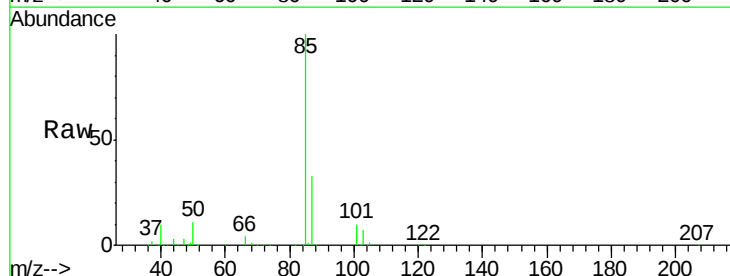
Acq: 18 Mar 2019 21:17

Tgt Ion: 85 Resp: 546202

Ion Ratio Lower Upper

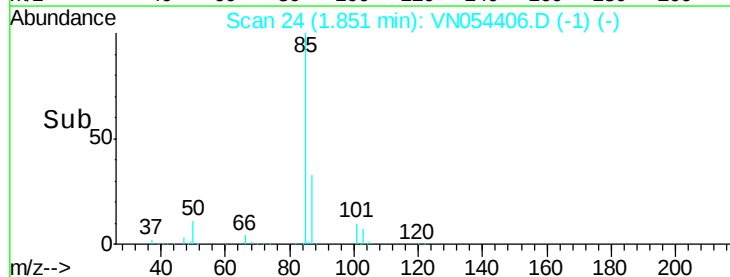
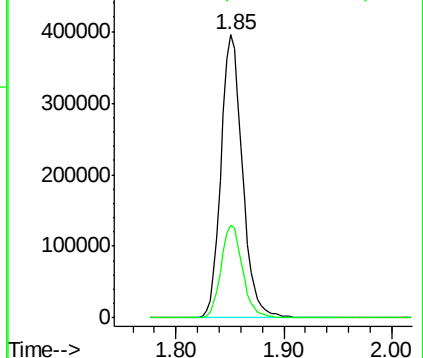
85 100

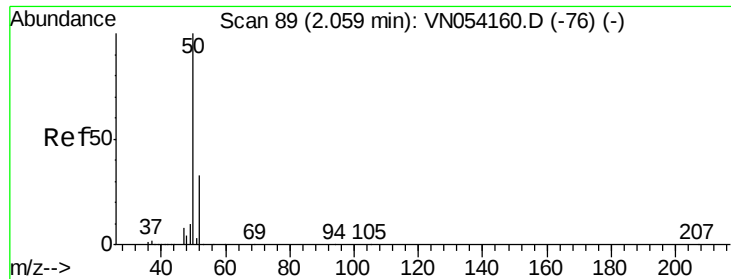
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.002 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

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ClientSampleId :

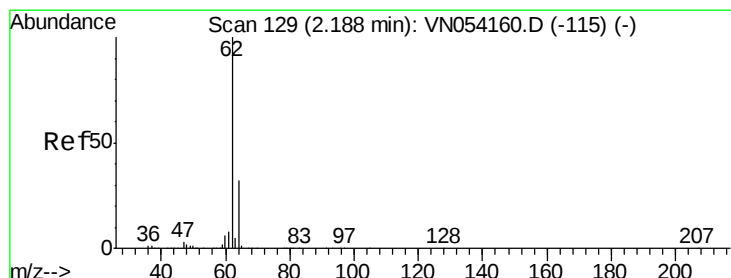
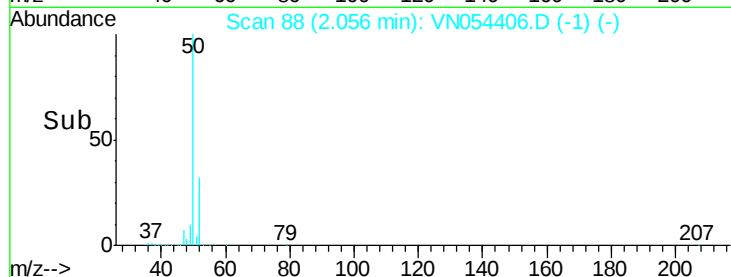
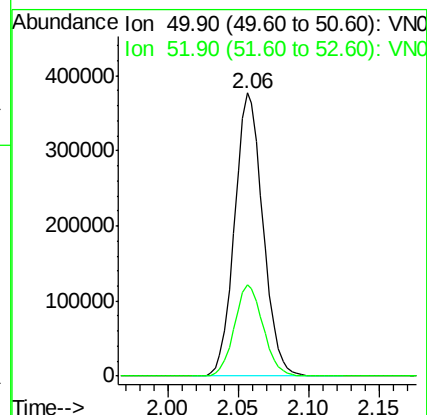
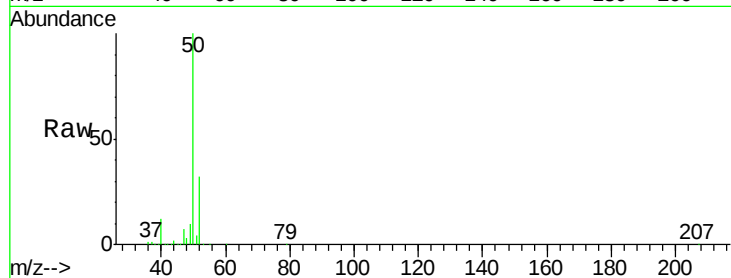
VSTDCCC050

Tot Ion: 50 Resp: 530996

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



#4

Vinyl Chloride

Concen: 48.507 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054406.D

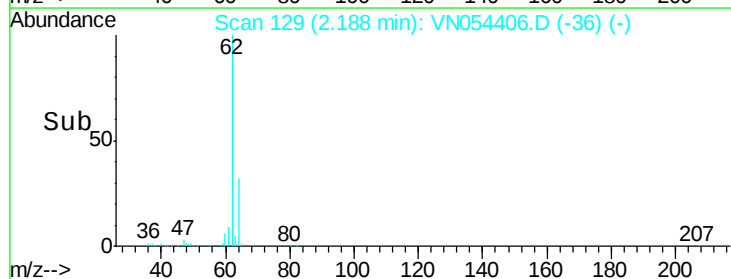
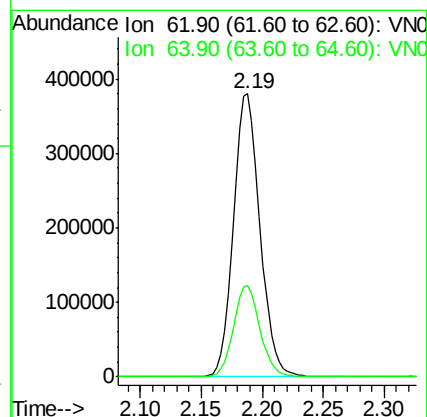
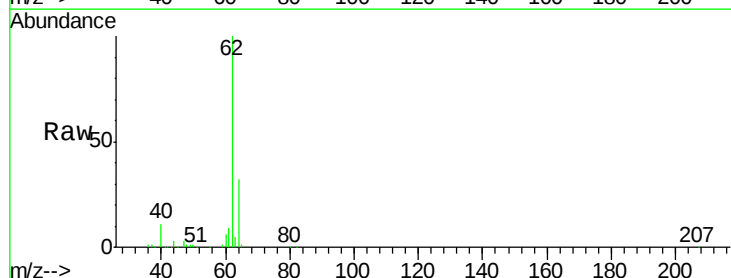
Acq: 18 Mar 2019 21:17

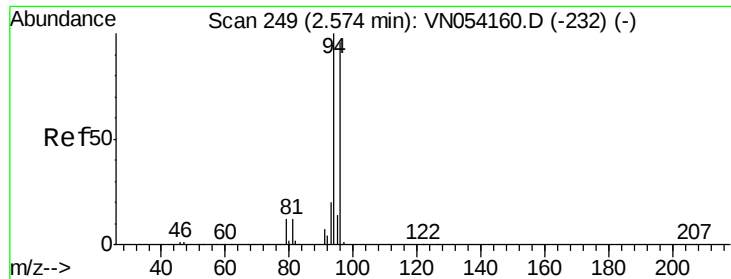
Tgt Ion: 62 Resp: 577222

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 40.288 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

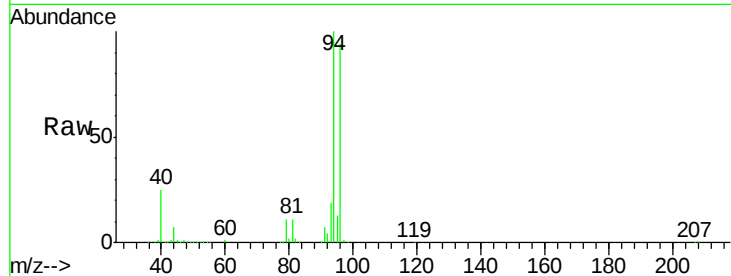
VSTDCCC050

Tot Ion: 94 Resp: 332036

Ion Ratio Lower Upper

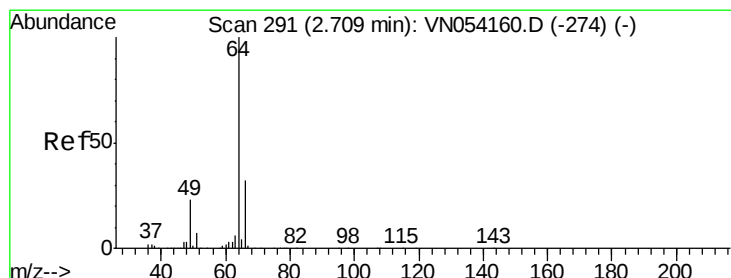
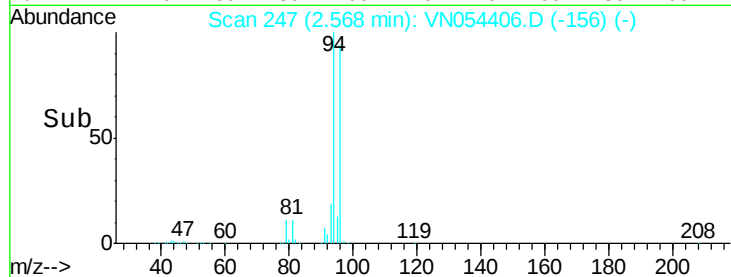
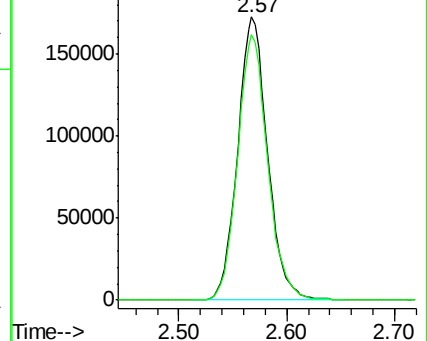
94 100

96 93.7 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.065 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054406.D

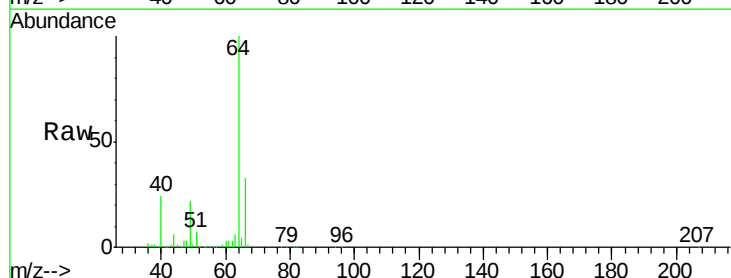
Acq: 18 Mar 2019 21:17

Tgt Ion: 64 Resp: 346066

Ion Ratio Lower Upper

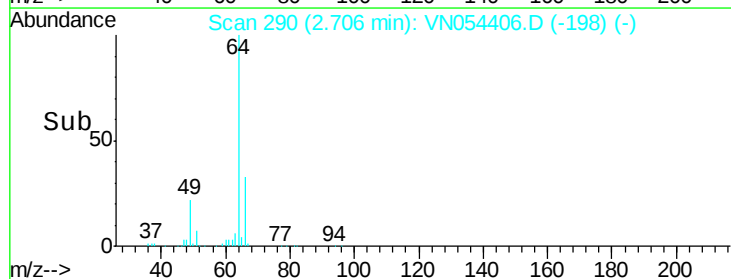
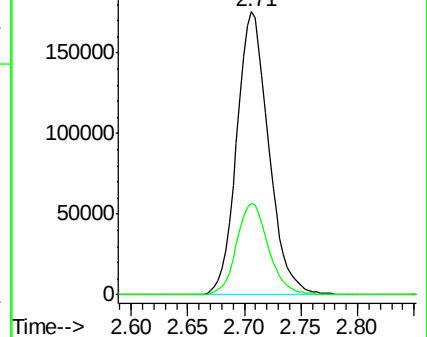
64 100

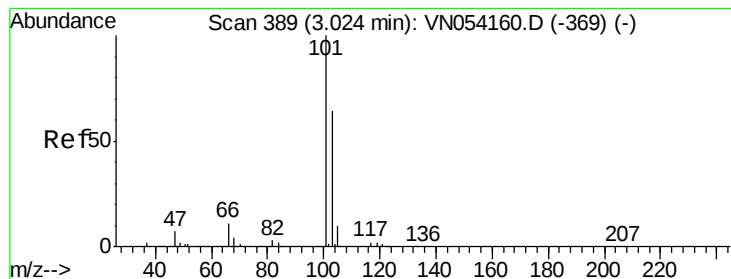
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



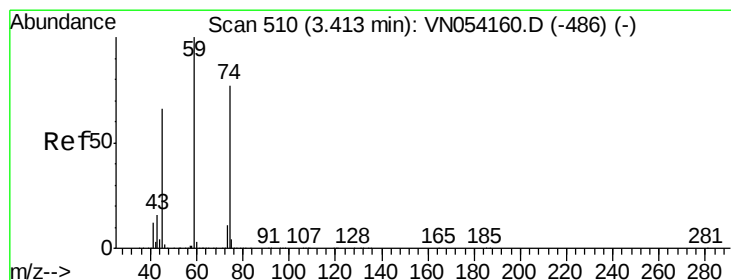
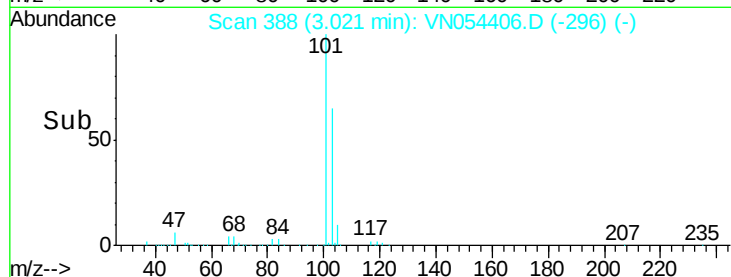
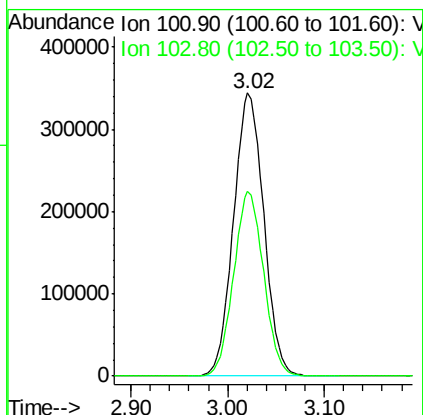
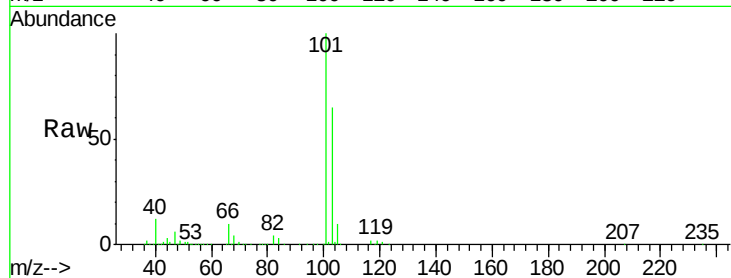


#7

Trichlorofluoromethane
 Concen: 47.291 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054406.D
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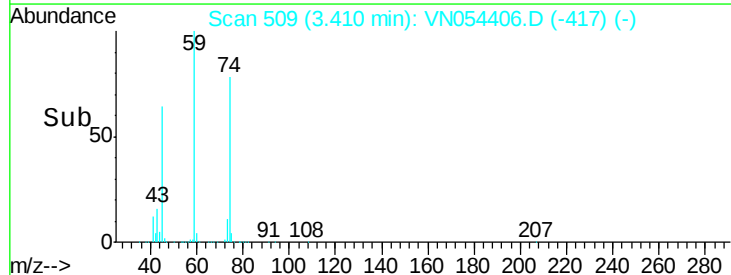
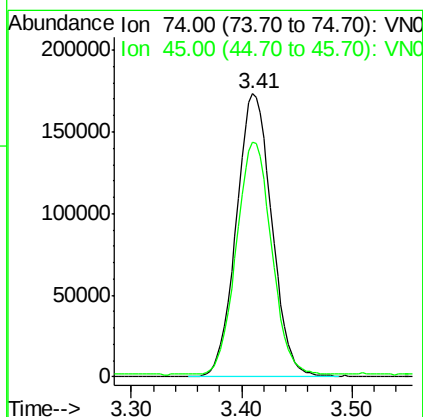
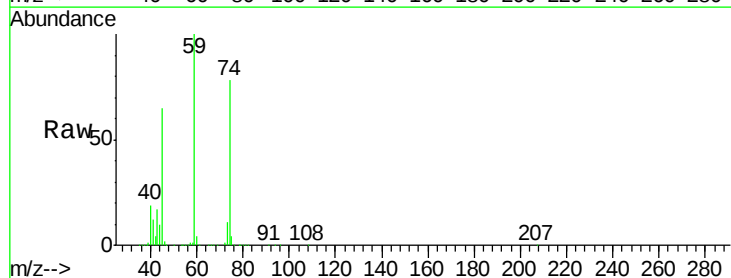
Tot Ion:101 Resp: 748196
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

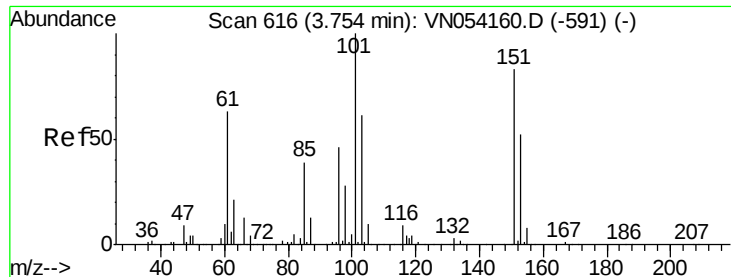


#8

Diethyl Ether
 Concen: 53.669 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 74 Resp: 386937
 Ion Ratio Lower Upper
 74 100
 45 80.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.811 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

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VSTDCCC050

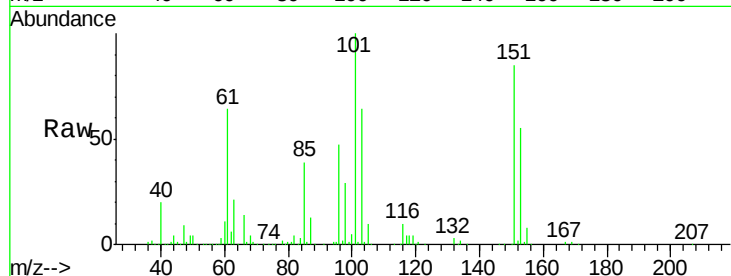
Tot Ion:101 Resp: 614259

Ion Ratio Lower Upper

101 100

85 39.4 32.4 48.6

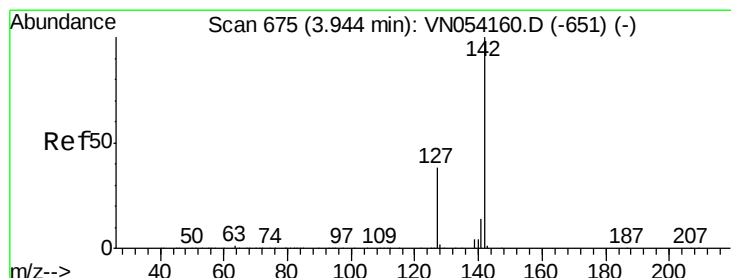
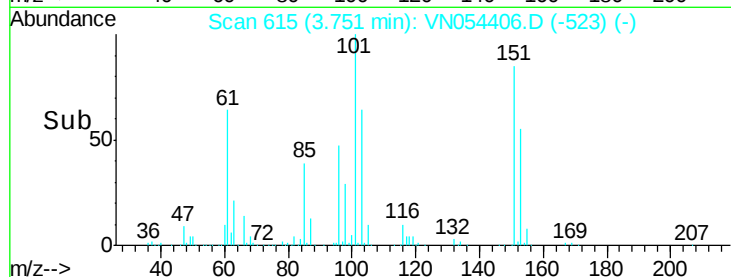
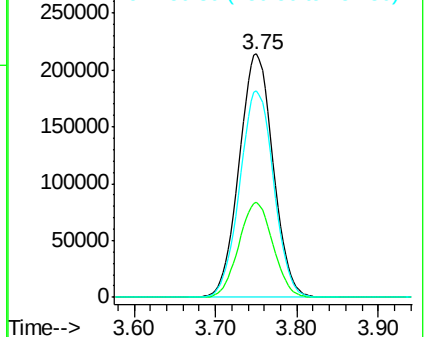
151 85.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.559 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

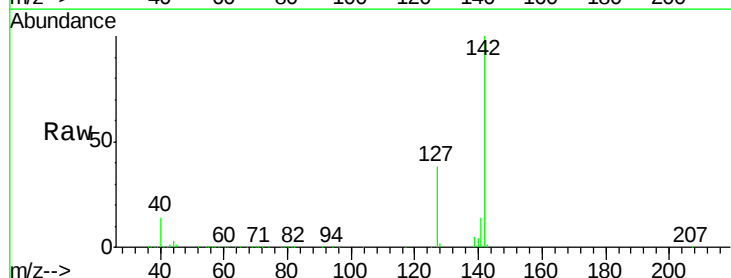
Tgt Ion:142 Resp: 799467

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

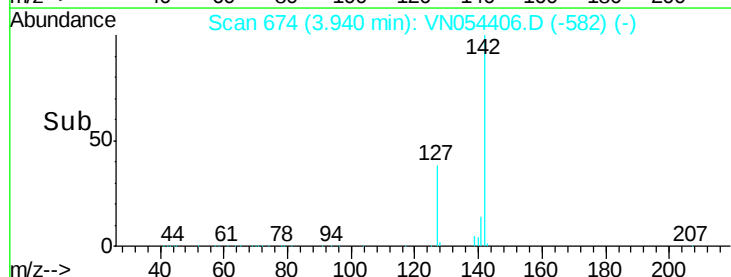
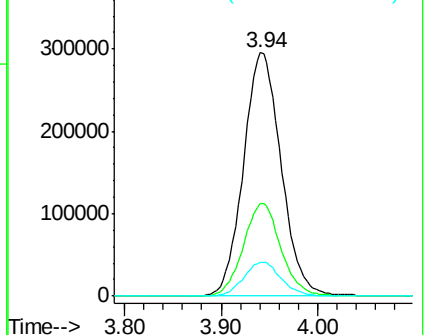
141 13.9 11.2 16.8

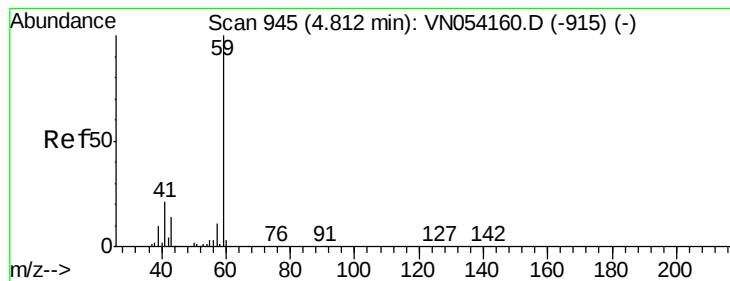


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



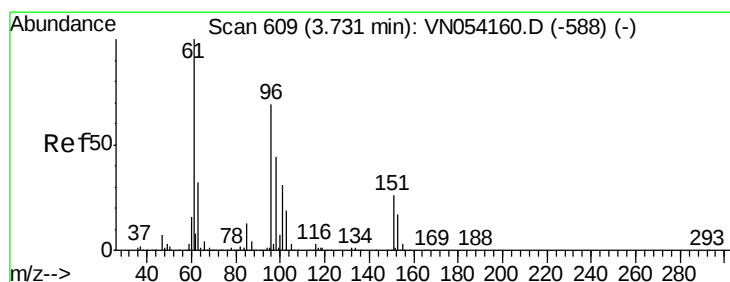
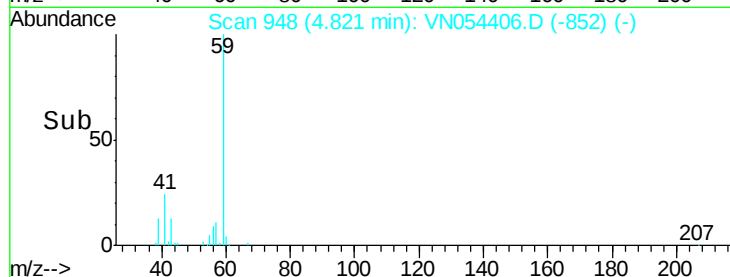
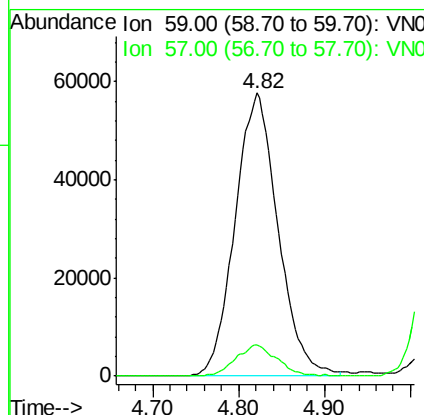
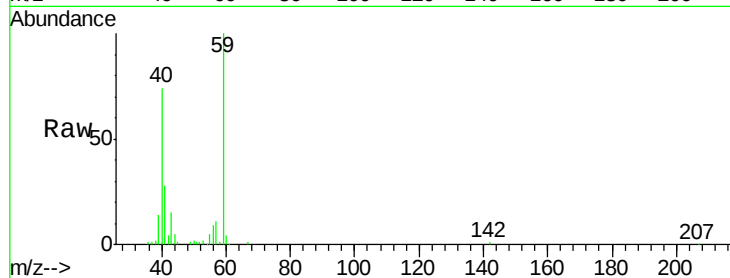


#11

Tert butyl alcohol
 Concen: 243.532 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

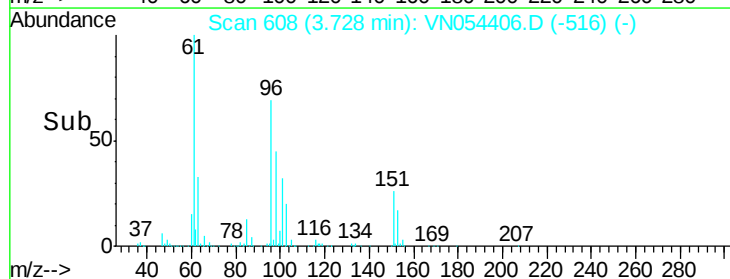
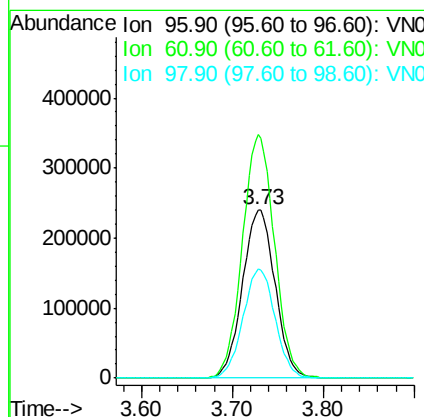
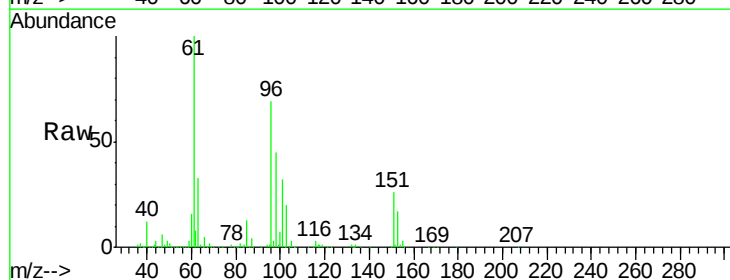
Tot Ion: 59 Resp: 200513
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.6

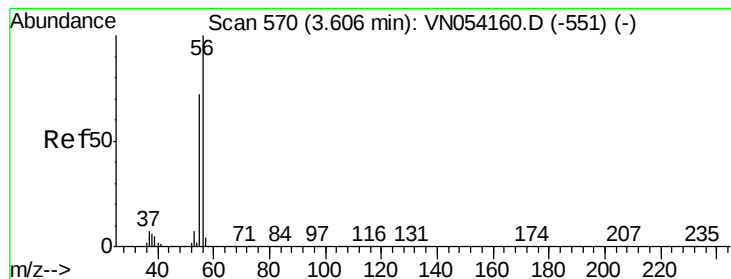


#12

1,1-Dichloroethene
 Concen: 50.985 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 96 Resp: 599014
 Ion Ratio Lower Upper
 96 100
 61 144.4 116.5 174.7
 98 64.7 51.0 76.4





#13

Acrolein

Concen: 247.986 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

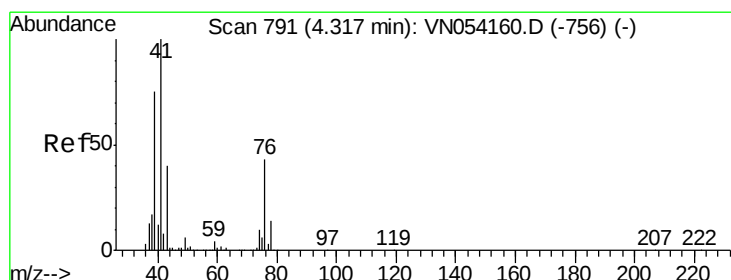
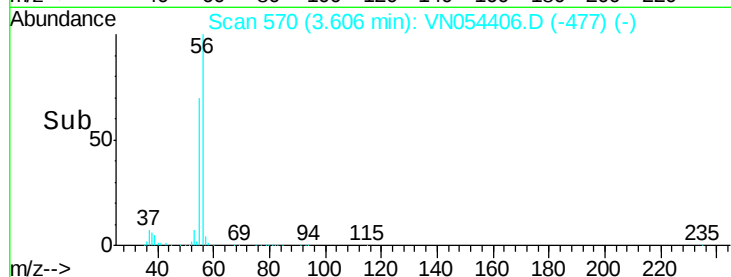
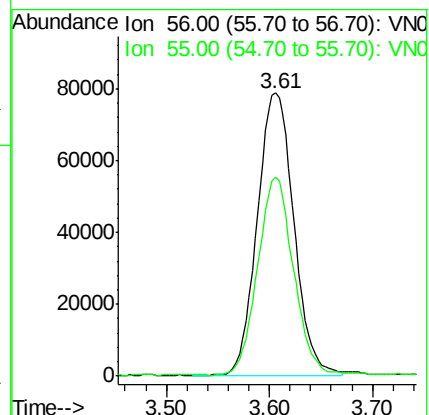
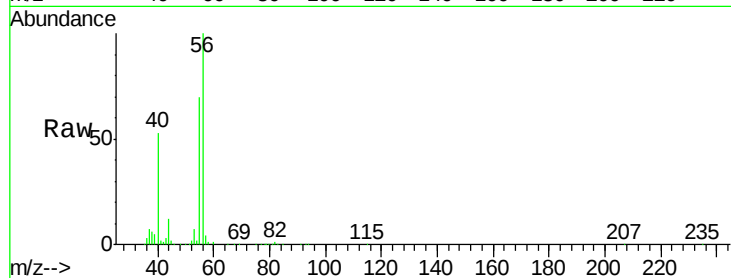
VSTDCCC050

Tot Ion: 56 Resp: 193478

Ion Ratio Lower Upper

56 100

55 69.0 56.7 85.1



#14

Allyl chloride

Concen: 50.879 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

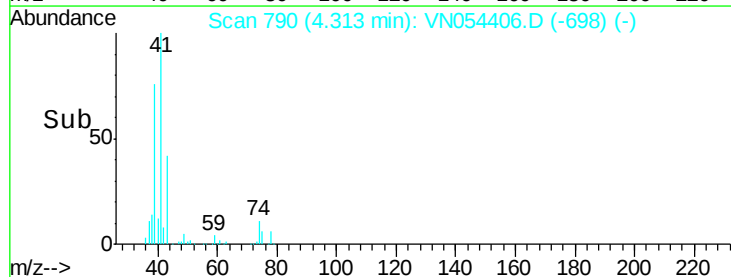
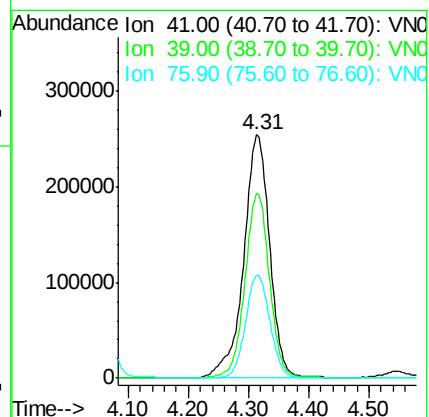
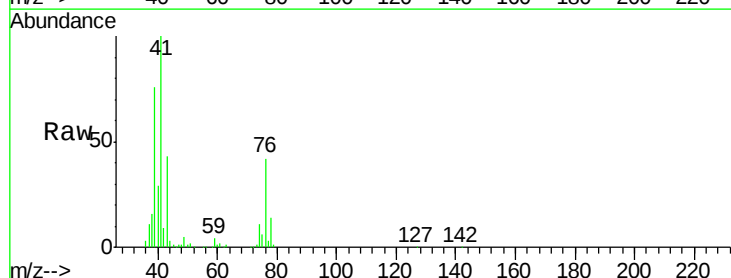
Tgt Ion: 41 Resp: 766960

Ion Ratio Lower Upper

41 100

39 71.3 58.2 87.4

76 39.4 31.7 47.5





#15

Acrylonitrile

Concen: 288.481 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

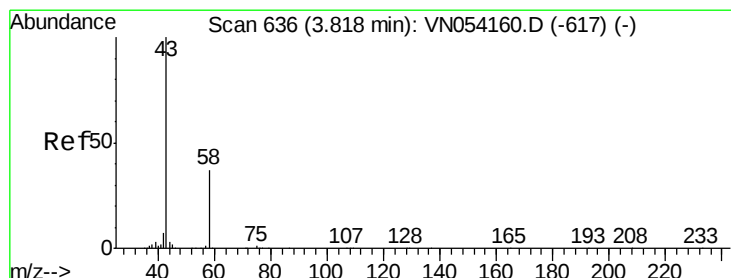
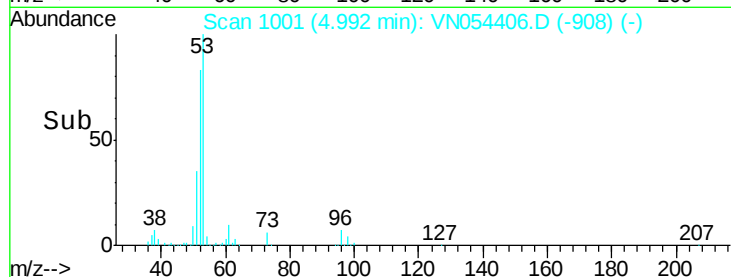
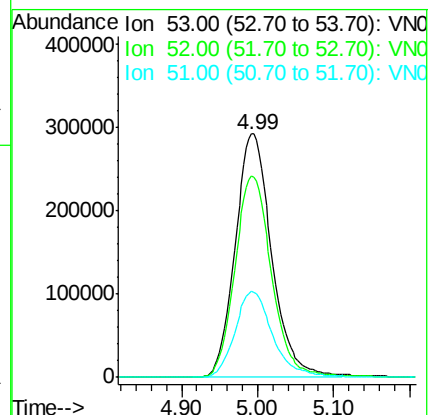
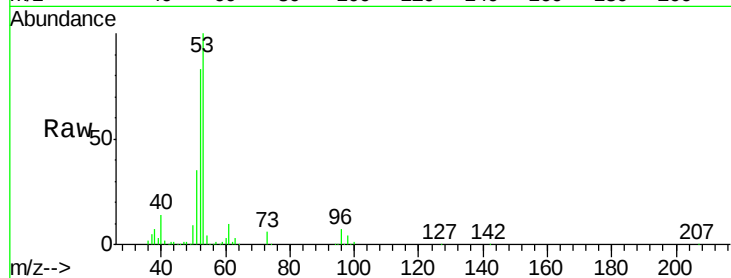
Tot Ion: 53 Resp: 975668

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

51 36.7 29.6 44.4



#16

Acetone

Concen: 201.446 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054406.D

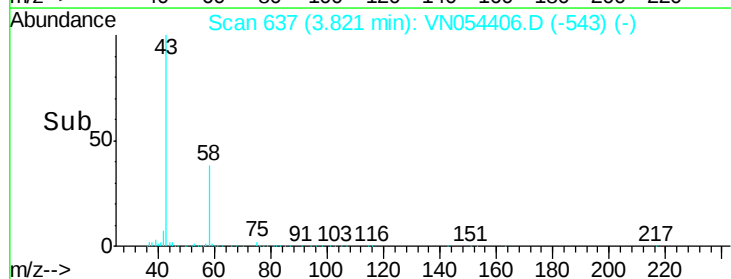
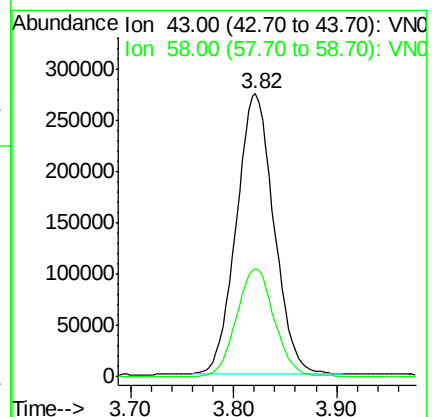
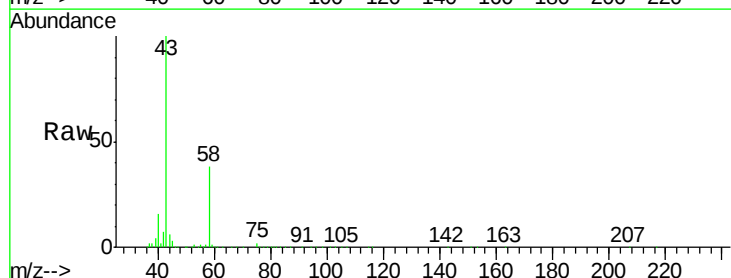
Acq: 18 Mar 2019 21:17

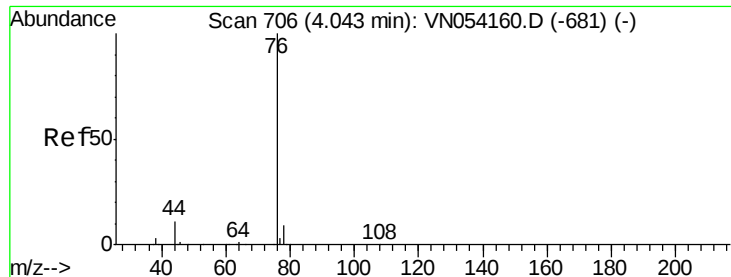
Tgt Ion: 43 Resp: 692731

Ion Ratio Lower Upper

43 100

58 38.4 29.9 44.9

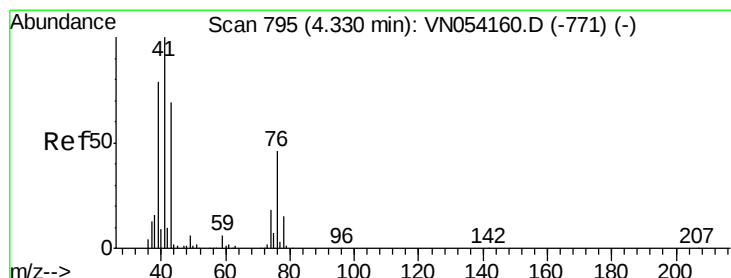
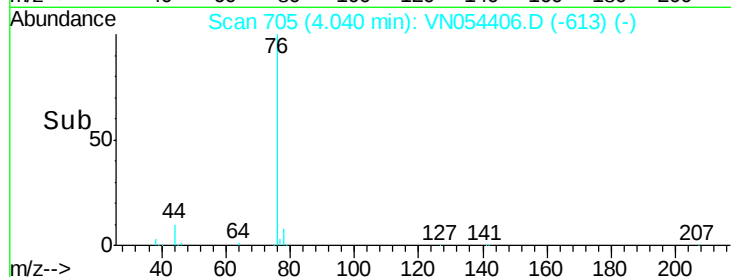
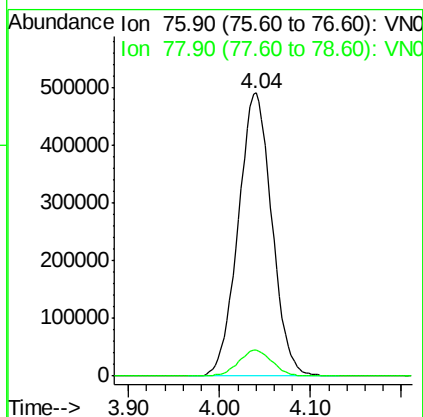
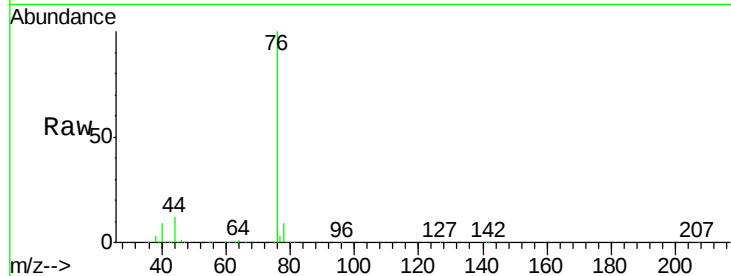




#17
Carbon Disulfide
Concen: 42.849 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

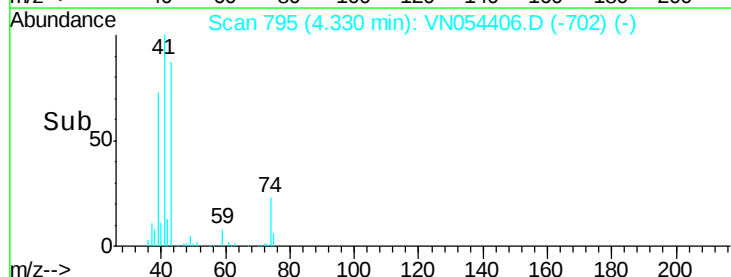
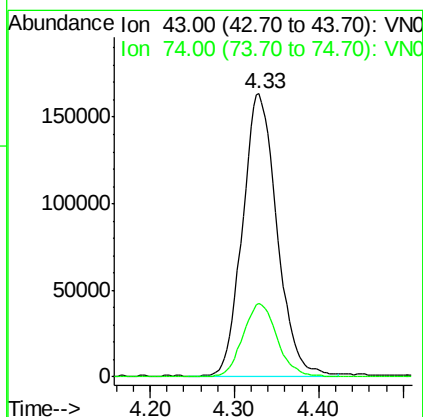
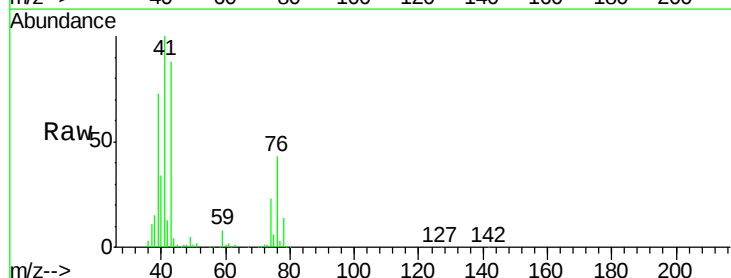
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

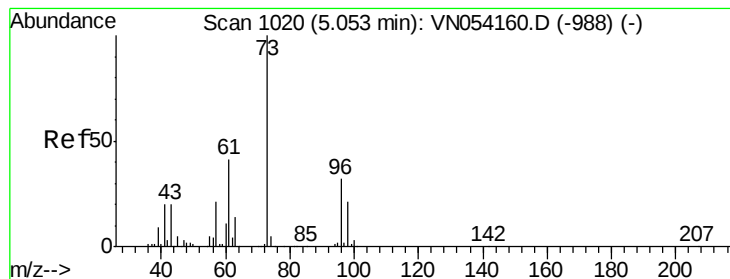
Tot Ion: 76 Resp: 1262016
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 66.630 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 43 Resp: 463567
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2





#19

Methvl tert-butvl Ether

Concen: 54.403 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

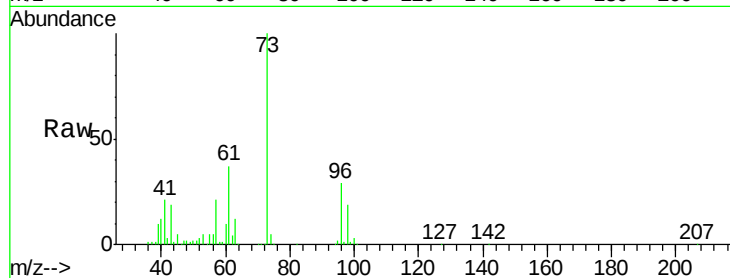
VSTDCCC050

Tot Ion: 73 Resp: 1584303

Ion Ratio Lower Upper

73 100

57 20.8 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN054406.D (-927) (-)

Ion 57.00 (56.70 to 57.70): VN054406.D (-927) (-)

5.05

400000

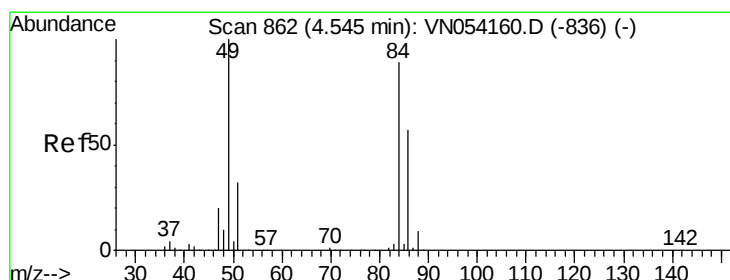
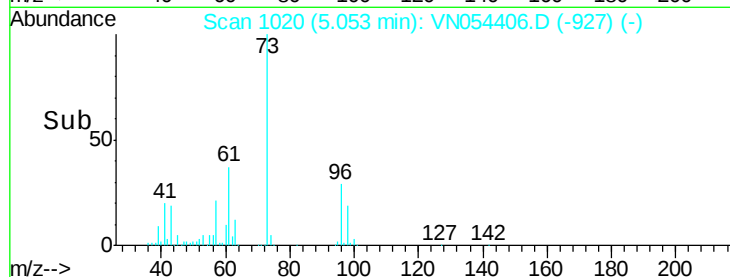
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 53.999 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 84 Resp: 609722

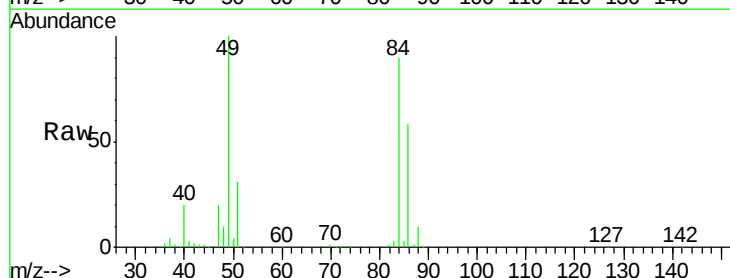
Ion Ratio Lower Upper

84 100

49 111.7 89.7 134.5

51 34.2 28.2 42.4

86 64.6 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN054406.D (-769) (-)

Ion 48.90 (48.60 to 49.60): VN054406.D (-769) (-)

Ion 50.90 (50.60 to 51.60): VN054406.D (-769) (-)

Ion 85.90 (85.60 to 86.60): VN054406.D (-769) (-)

4.54

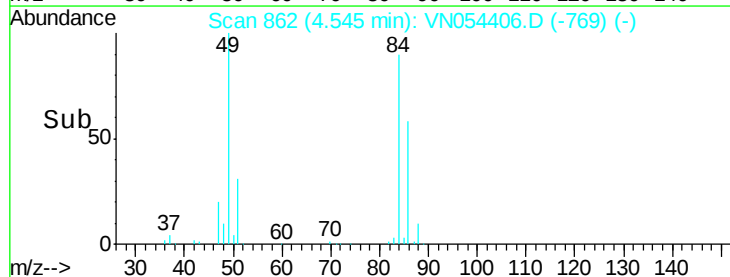
300000

200000

100000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 52.507 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

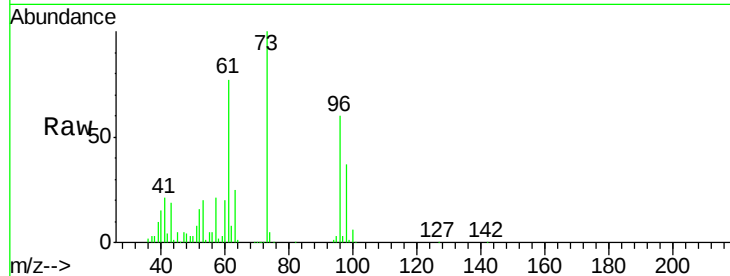
Tot Ion: 96 Resp: 591070

Ion Ratio Lower Upper

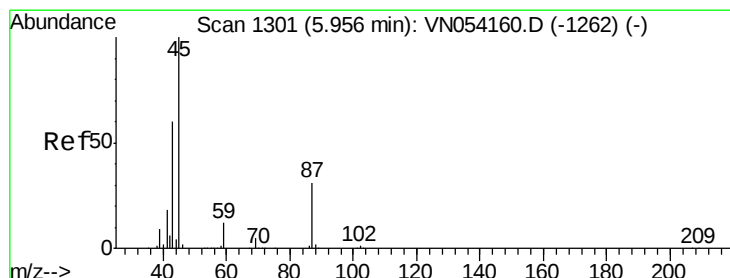
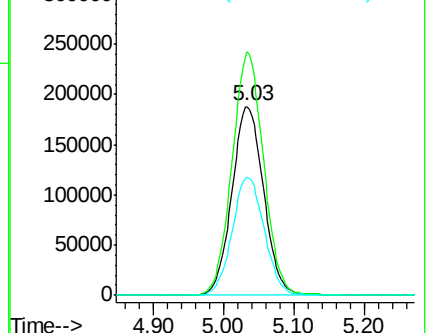
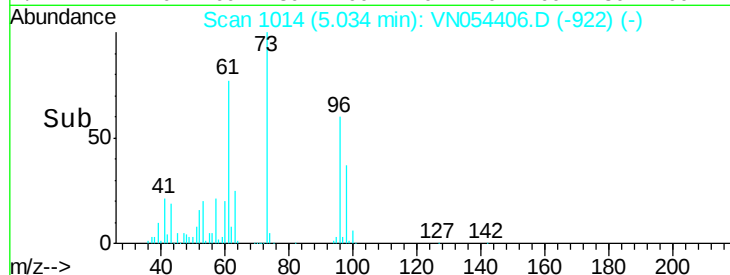
96 100

61 128.7 102.8 154.2

98 62.3 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054406.D (-922) (-)



#22

Diisopropyl ether

Concen: 56.362 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 45 Resp: 1695655

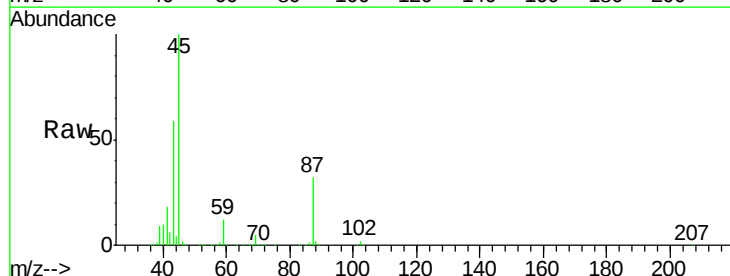
Ion Ratio Lower Upper

45 100

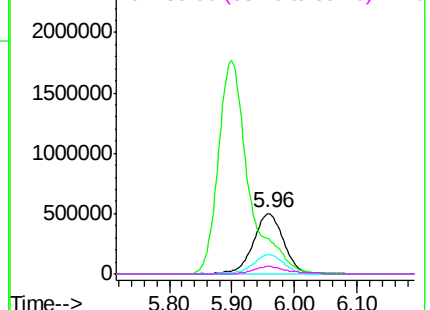
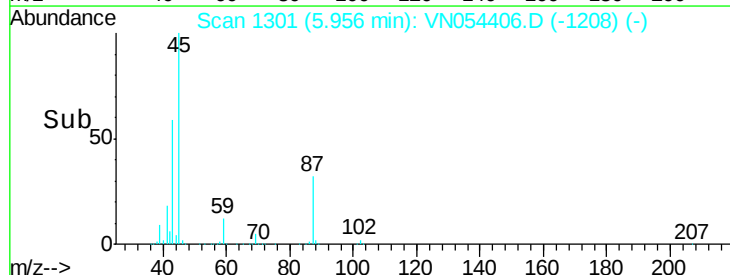
43 58.0 48.2 72.2

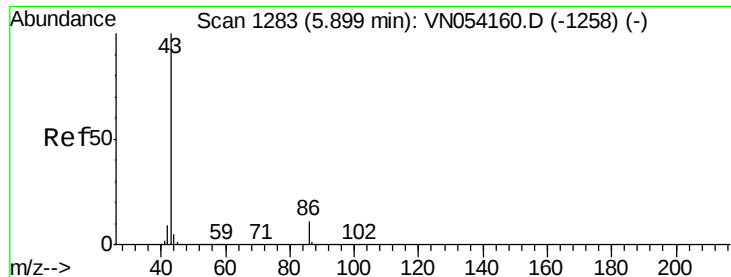
87 32.1 24.9 37.3

59 12.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN054406.D (-1208) (-)





#23

Vinyl Acetate

Concen: 269.182 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

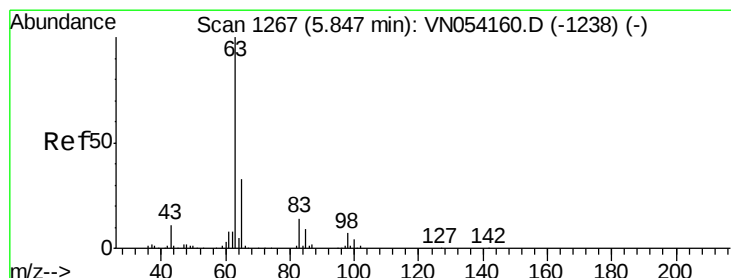
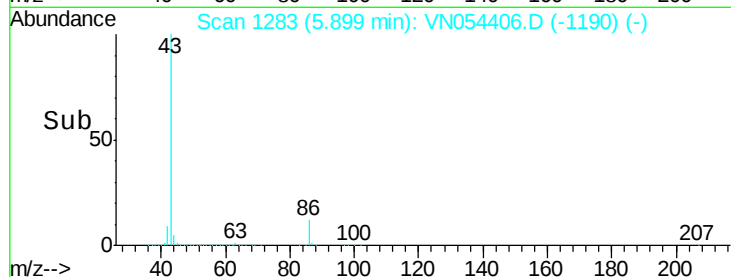
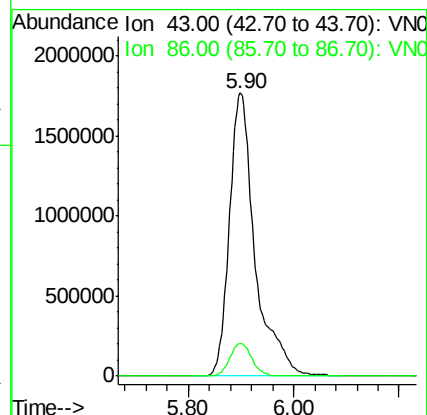
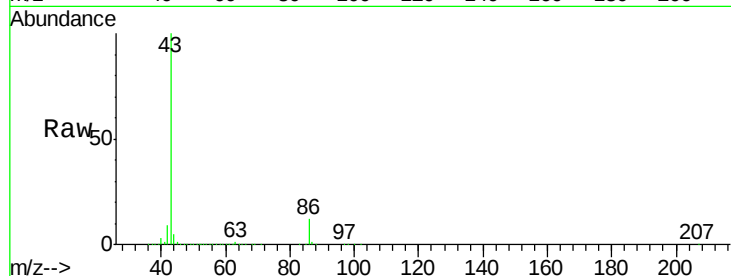
VSTDCCC050

Tot Ion: 43 Resp: 5971034

Ion Ratio Lower Upper

43 100

86 11.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 54.826 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

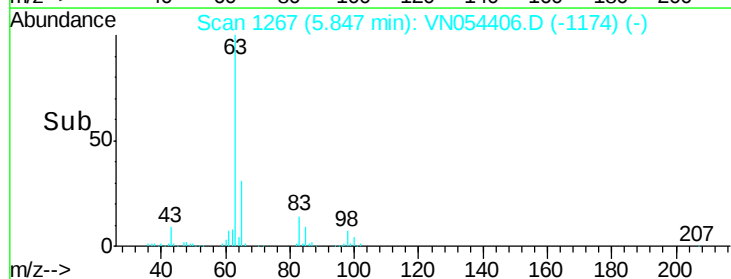
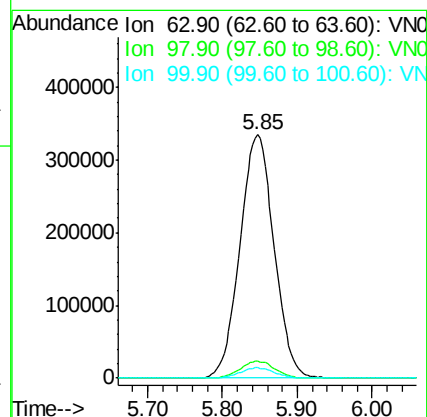
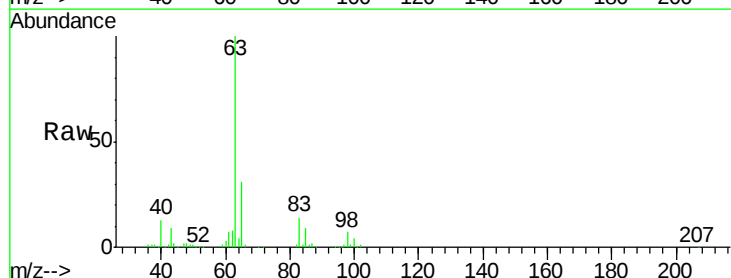
Tgt Ion: 63 Resp: 1059081

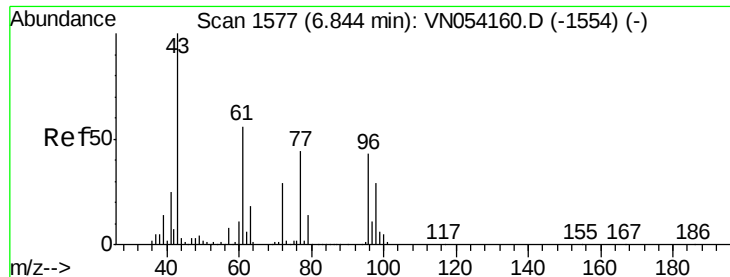
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 281.494 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

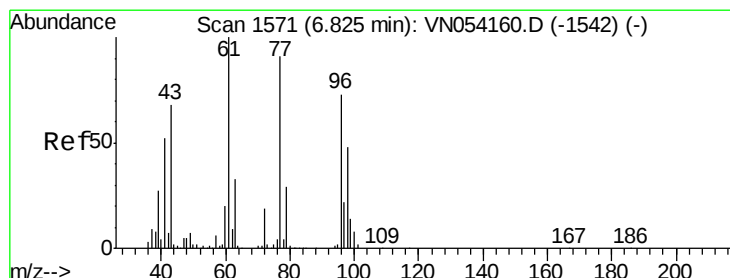
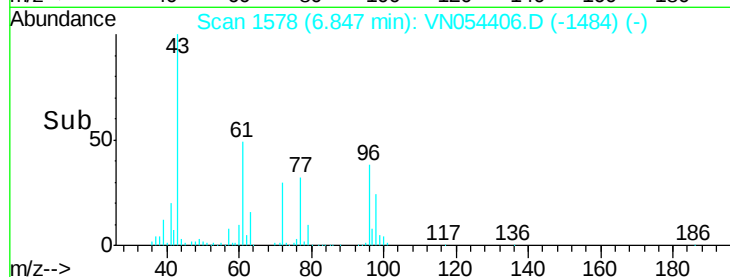
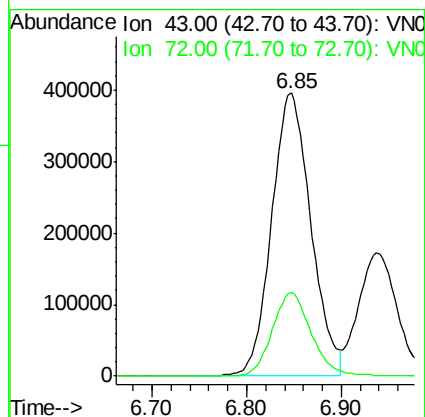
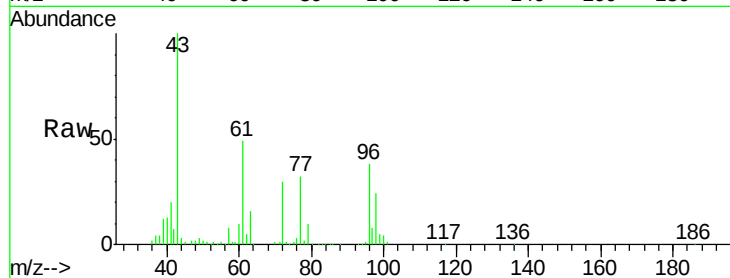
VSTDCCC050

Tot Ion: 43 Resp: 1136136

Ion Ratio Lower Upper

43 100

72 29.8 23.0 34.6



#26

2,2-Dichloropropane

Concen: 42.470 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054406.D

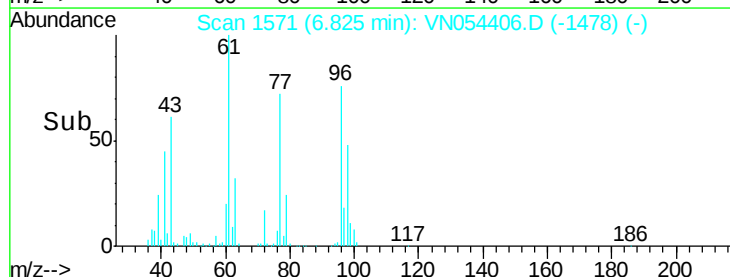
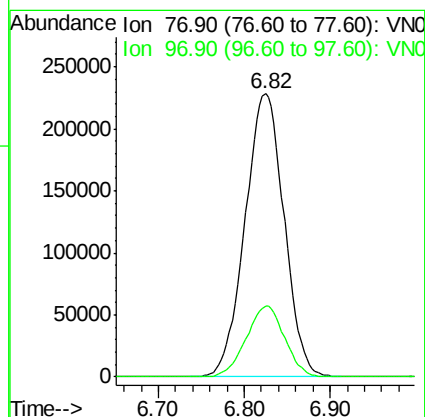
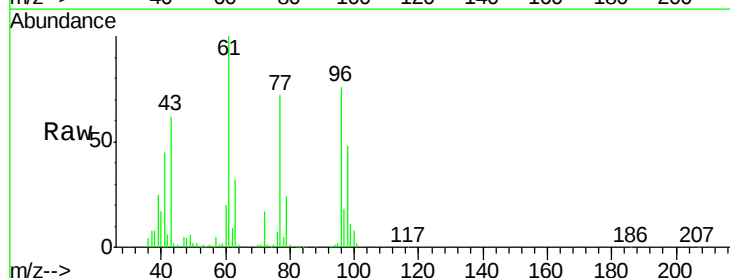
Acq: 18 Mar 2019 21:17

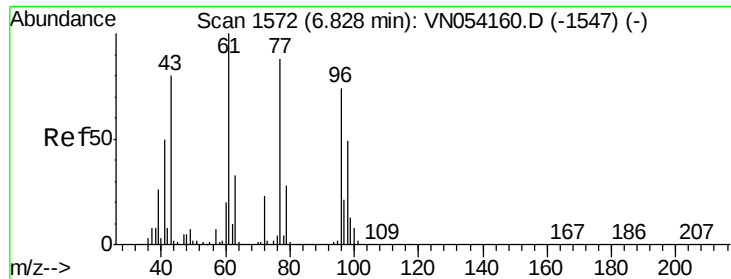
Tgt Ion: 77 Resp: 721468

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.637 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

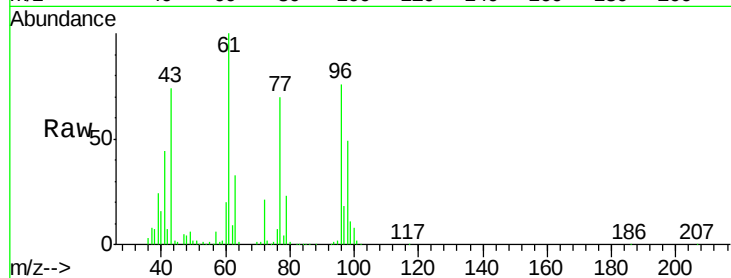
Tot Ion: 96 Resp: 698706

Ion Ratio Lower Upper

96 100

61 132.8 0.0 273.0

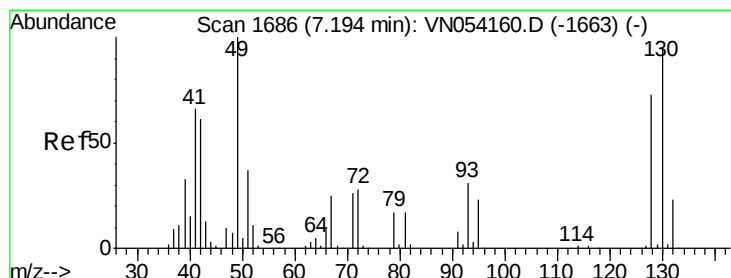
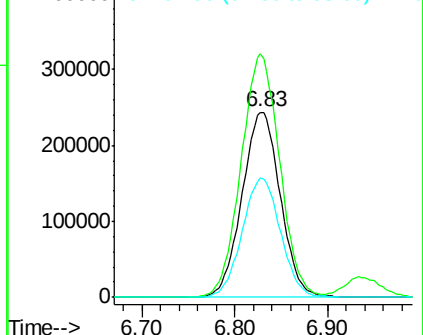
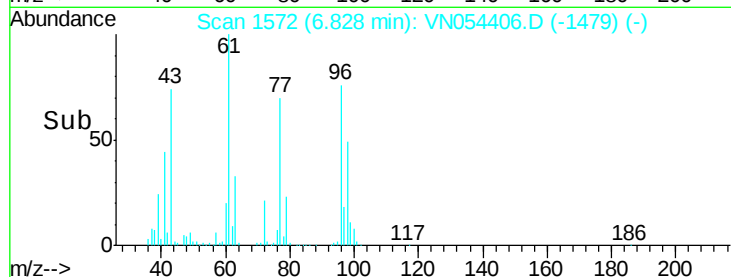
98 64.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 54.055 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

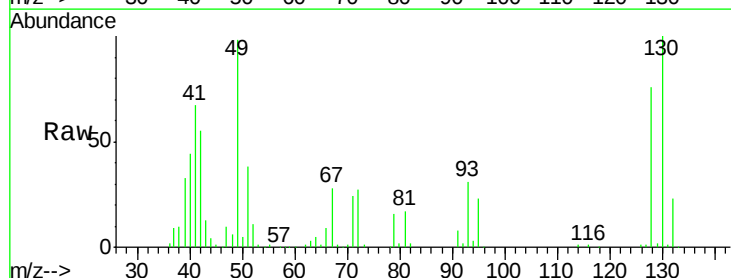
Tgt Ion: 49 Resp: 426879

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

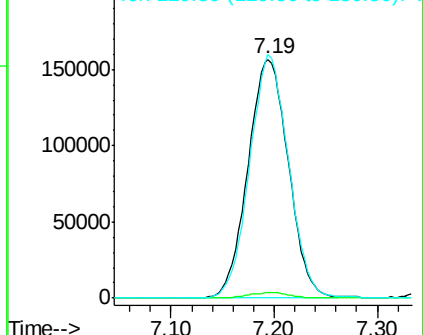
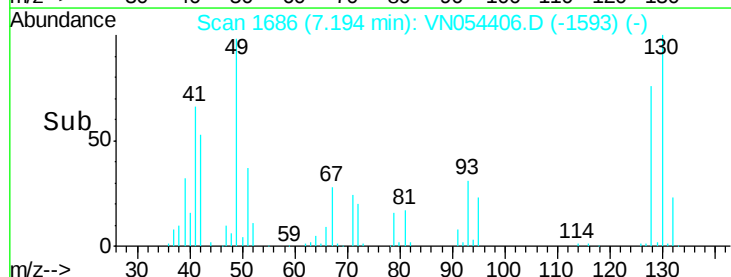
130 98.3 76.7 115.1

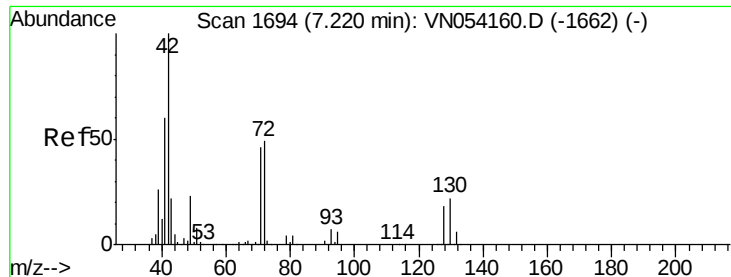


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

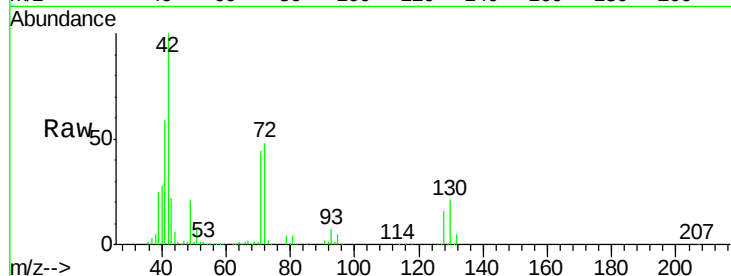




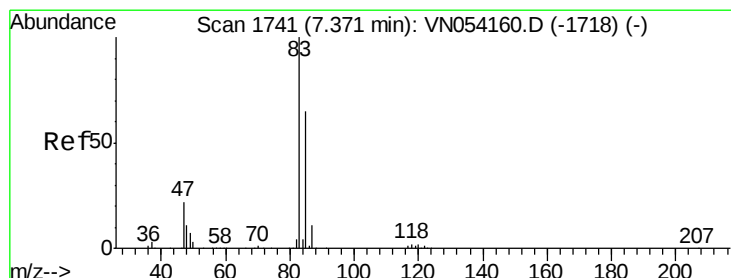
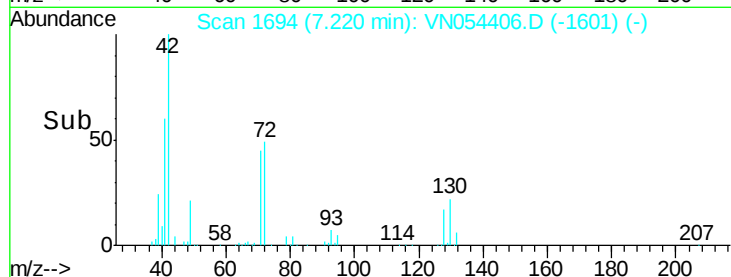
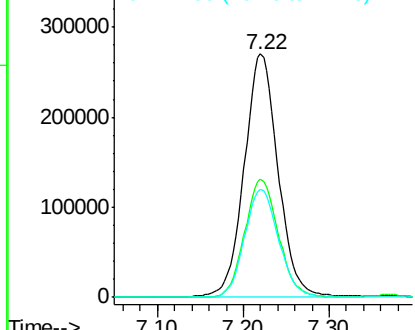
#29
Tetrahydrofuran
Concen: 283.094 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 734646
Ion Ratio Lower Upper
42 100
72 48.4 37.8 56.6
71 45.0 36.2 54.2

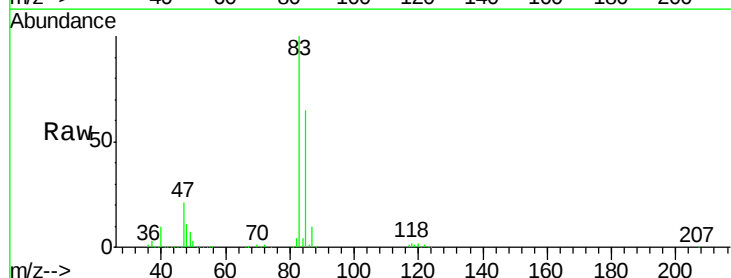


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

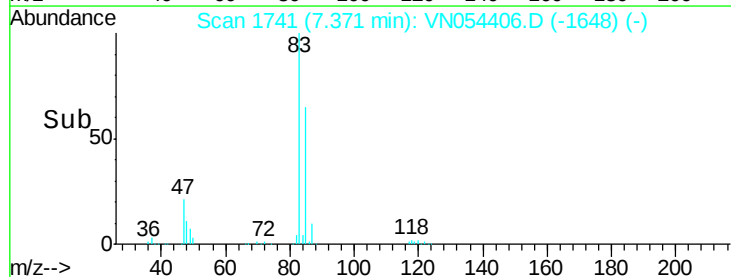
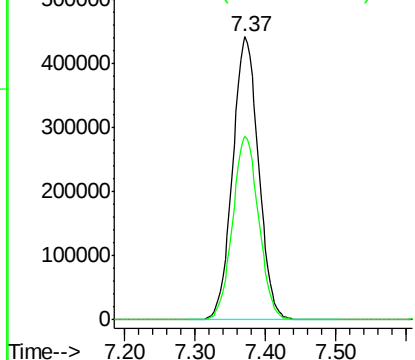


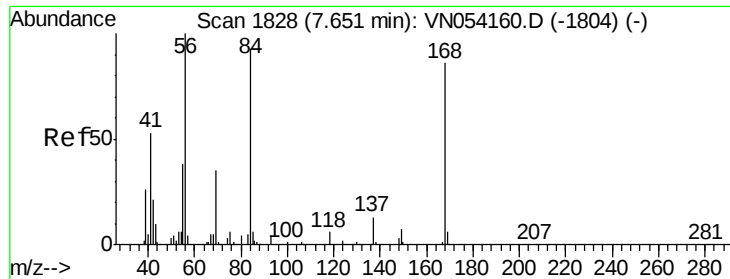
#30
Chloroform
Concen: 56.204 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 83 Resp: 1132930
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 50.386 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

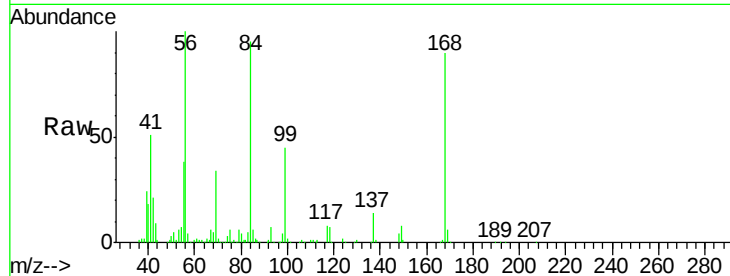
Tot Ion: 56 Resp: 909799

Ion Ratio Lower Upper

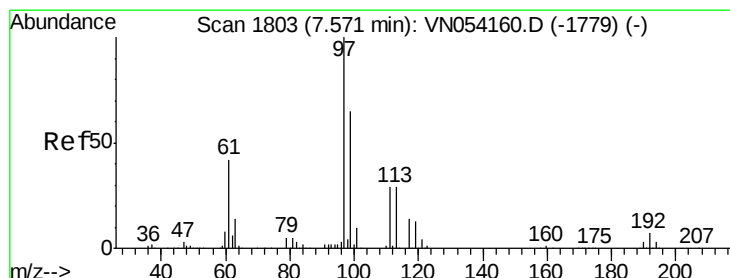
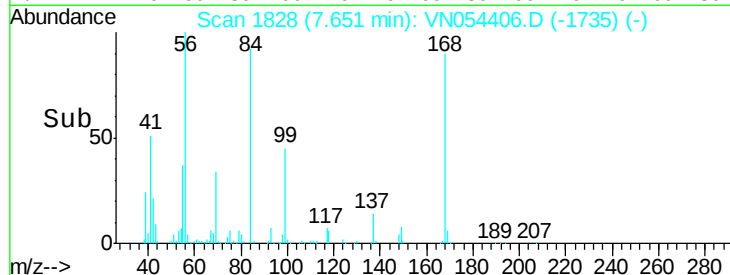
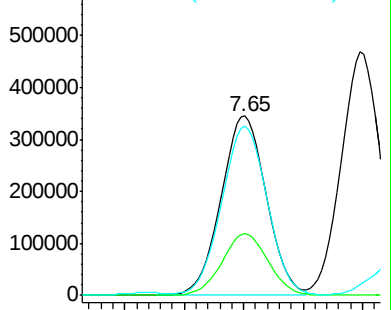
56 100

69 34.2 27.8 41.6

84 93.1 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 52.318 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

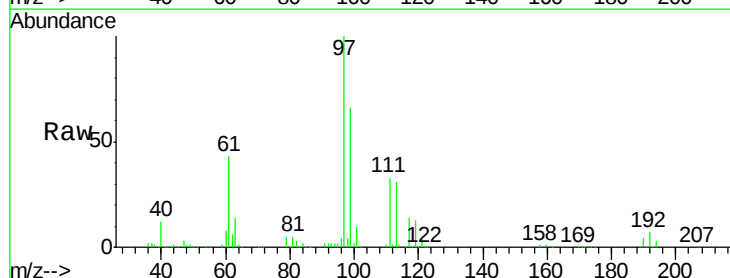
Tgt Ion: 97 Resp: 952438

Ion Ratio Lower Upper

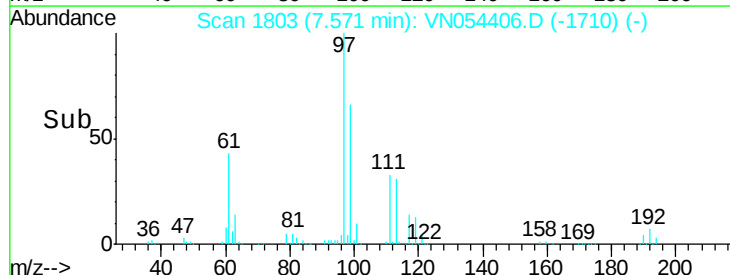
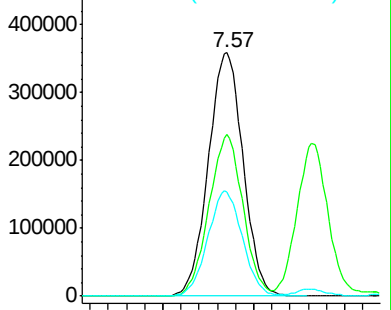
97 100

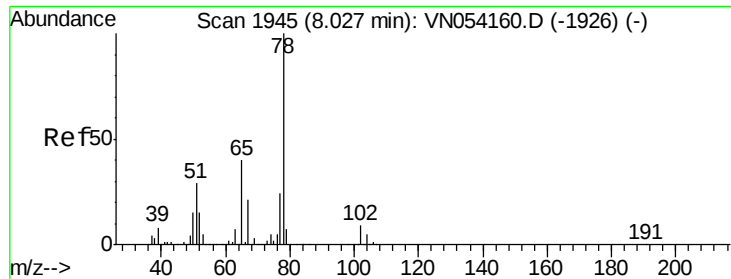
99 64.8 51.5 77.3

61 42.8 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

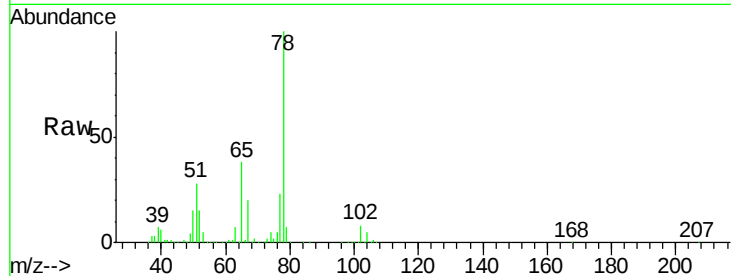
VSTDCCC050

Tot Ion: 65 Resp: 622640

Ion Ratio Lower Upper

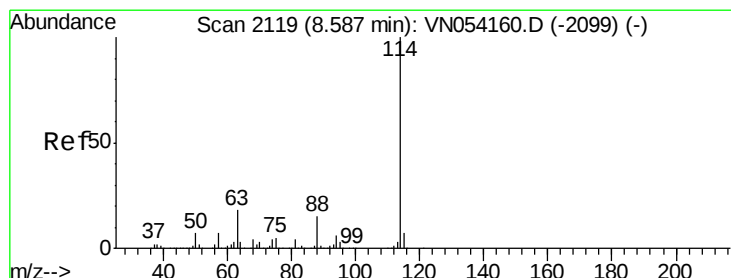
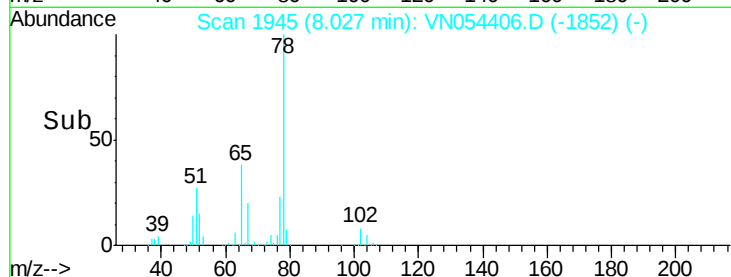
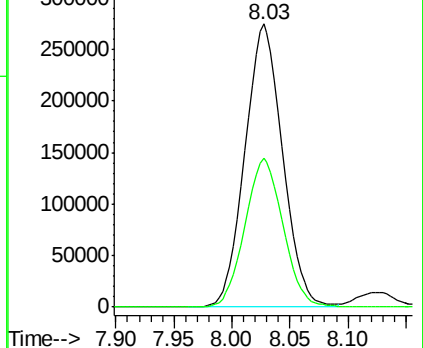
65 100

67 53.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054406.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054406.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

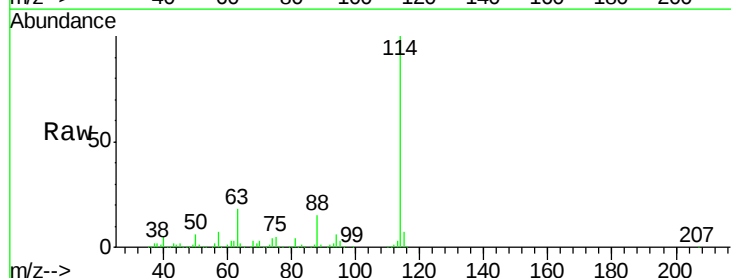
Tgt Ion:114 Resp: 1792374

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

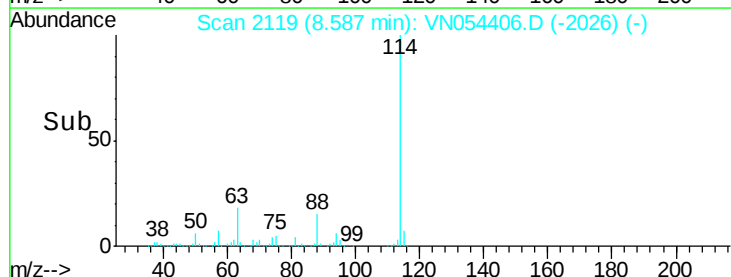
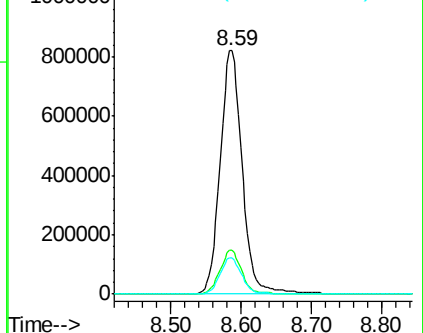
88 14.8 0.0 30.2

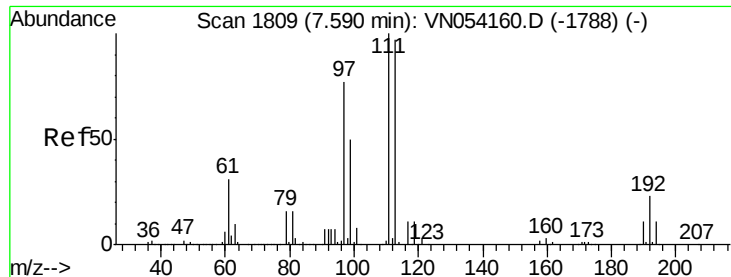


Abundance Ion 113.90 (113.60 to 114.60): VN054406.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054406.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054406.D (-2026) (-)

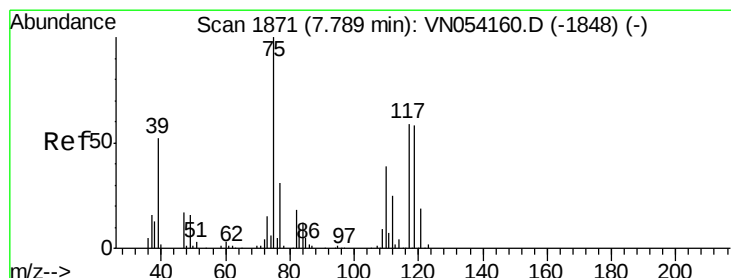
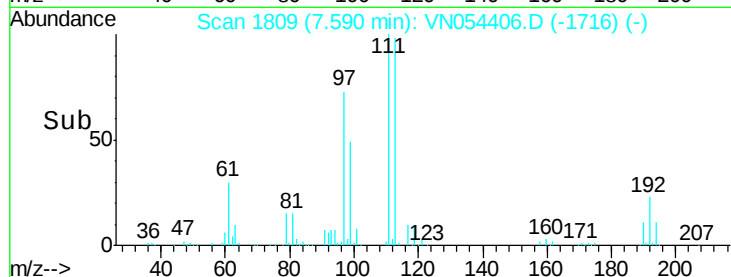
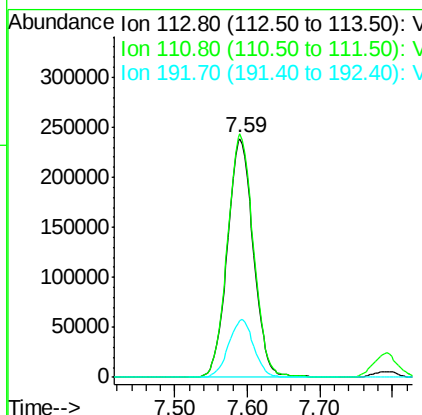
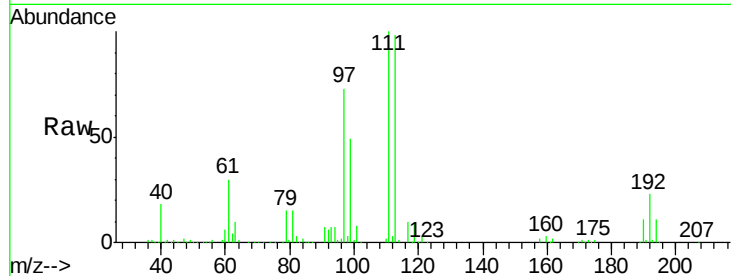




#35
Dibromofluoromethane
Concen: 51.367 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

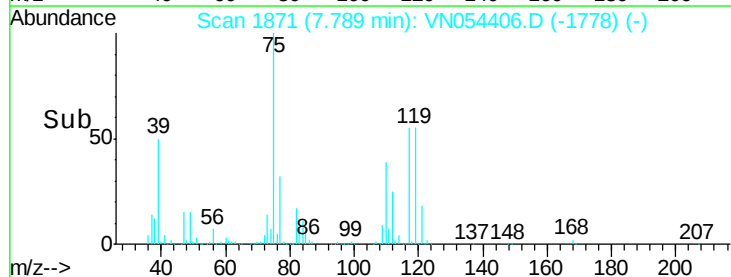
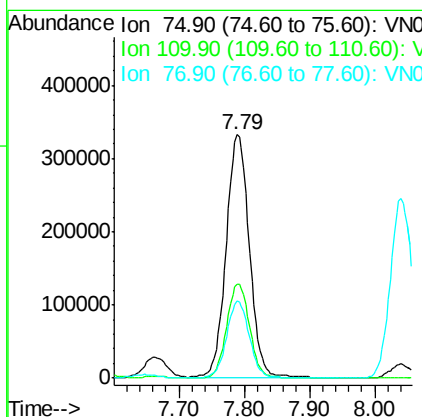
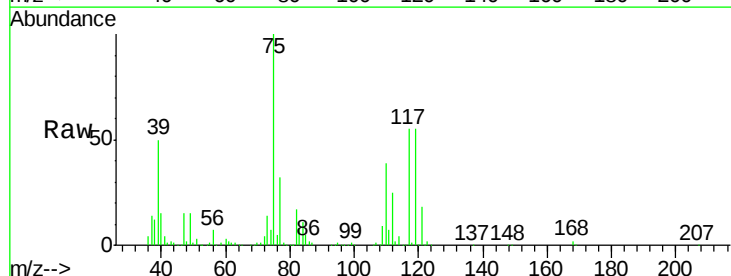
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

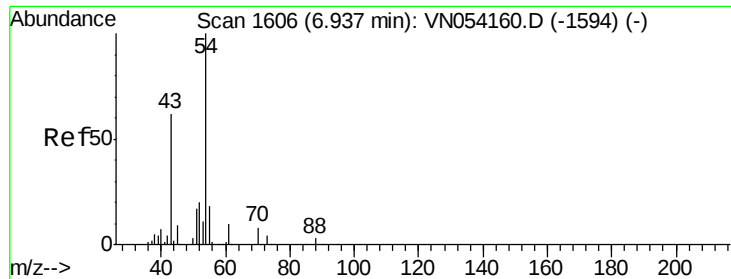
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	23.6	19.2	28.8



#36
1,1-Dichloropropene
Concen: 49.813 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.5
77	31.2	25.0	37.4

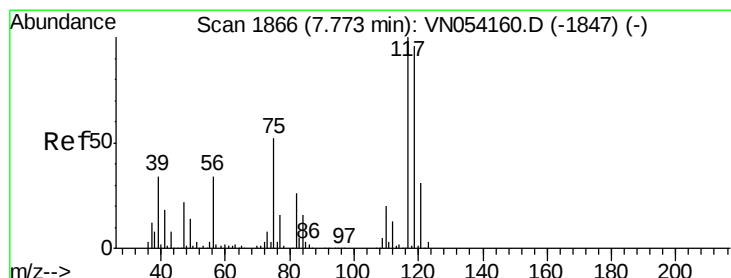
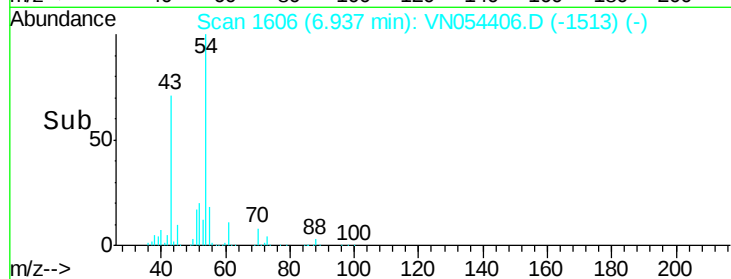
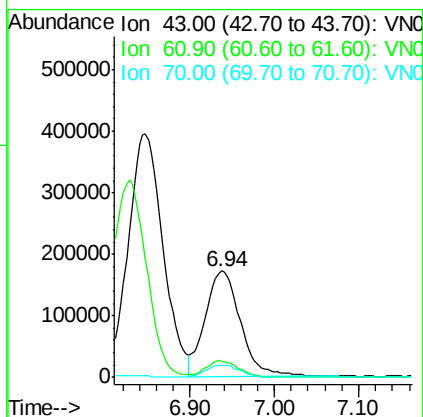
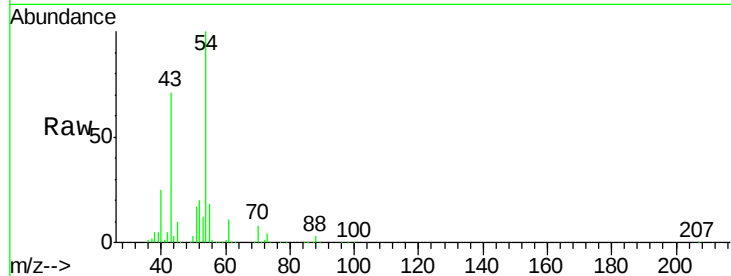




#37
Ethyl Acetate
Concen: 52.562 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

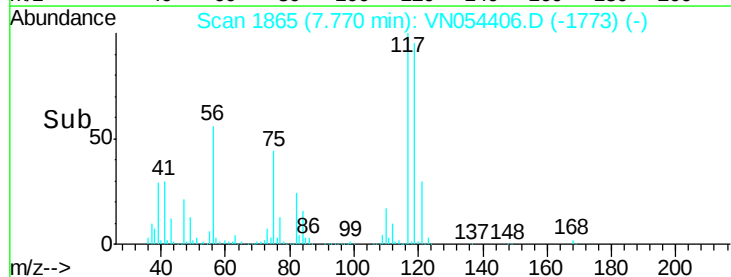
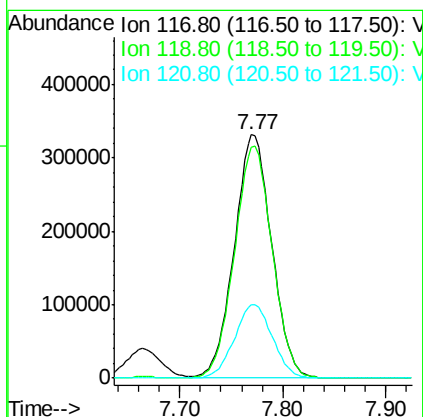
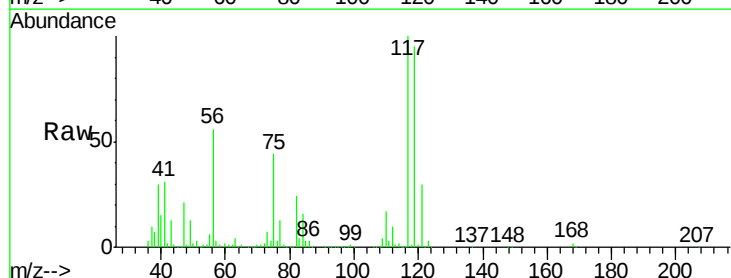
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

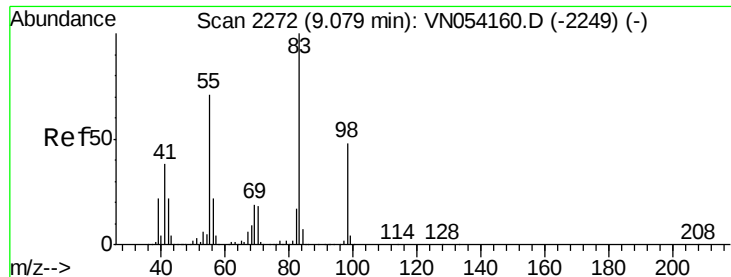
Tot Ion: 43 Resp: 498513
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.091 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 117 Resp: 832452
Ion Ratio Lower Upper
117 100
119 94.8 76.3 114.5
121 30.3 24.6 36.8

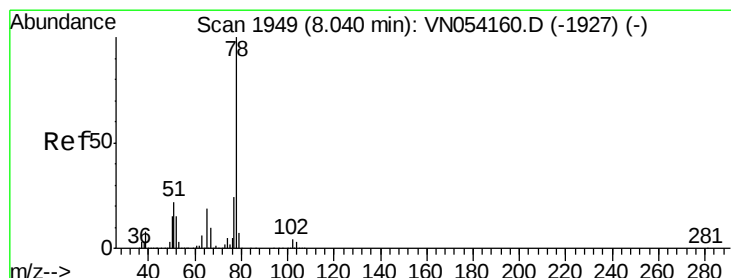
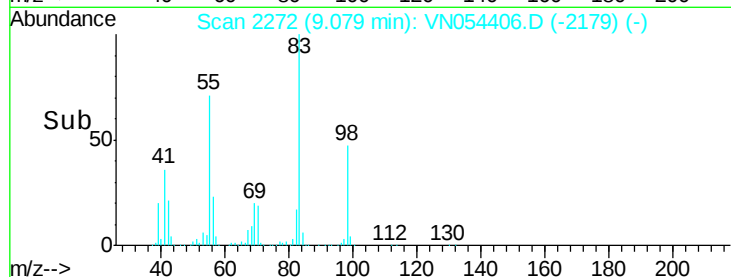
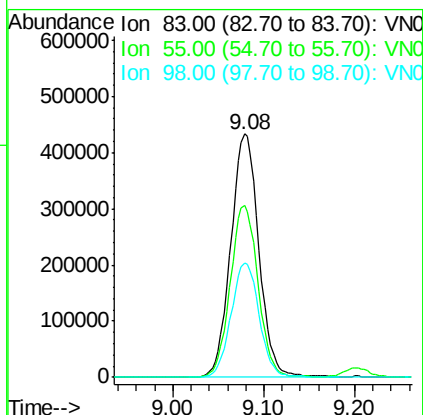
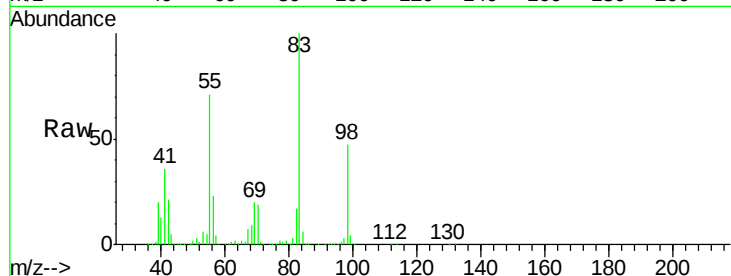




#39
Methvlcvclohexane
Concen: 45.772 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

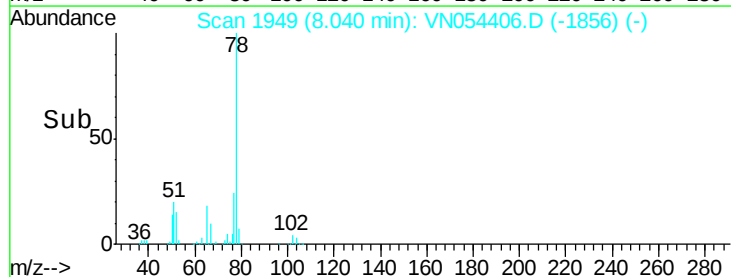
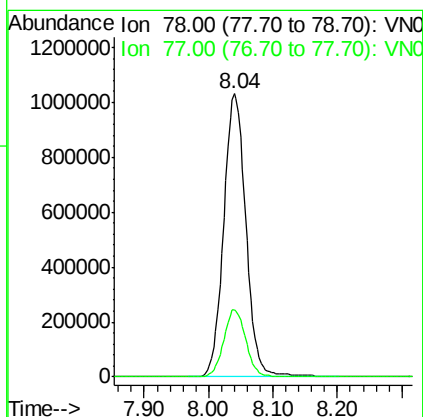
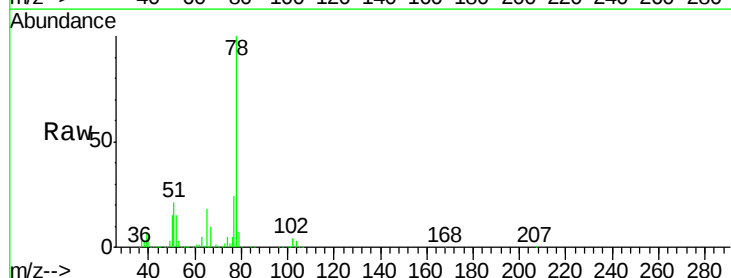
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 929588
Ion Ratio Lower Upper
83 100
55 70.6 56.6 84.8
98 47.0 38.4 57.6



#40
Benzene
Concen: 52.508 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 78 Resp: 2480188
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

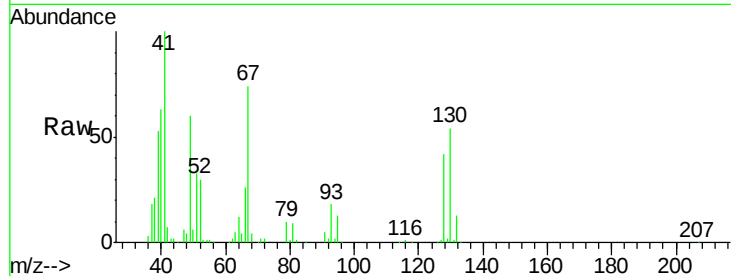




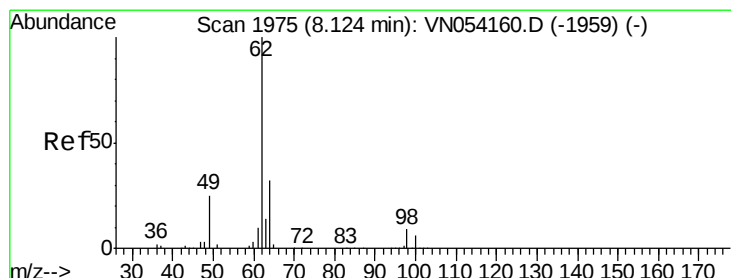
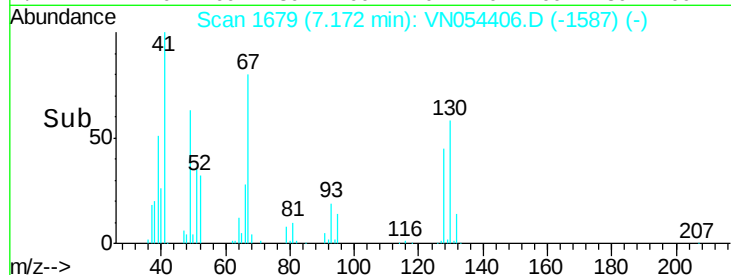
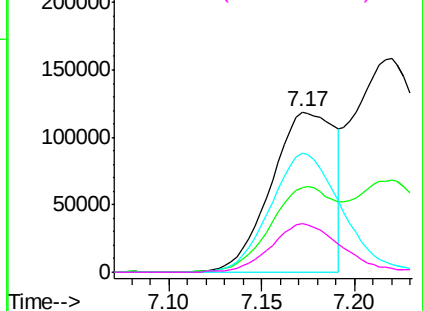
#41
Methacrylonitrile
Concen: 51.900 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 281051
Ion Ratio Lower Upper
41 100
39 52.5 46.8 70.2
67 85.0 67.0 100.4
52 33.6 26.5 39.7

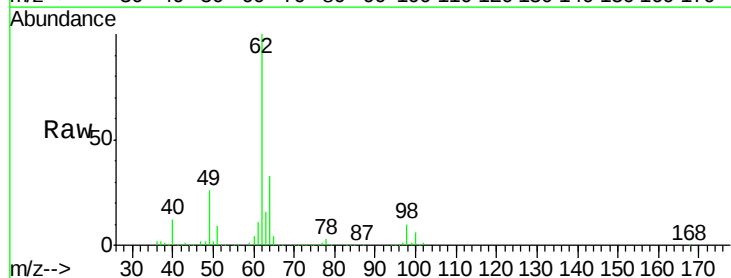


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

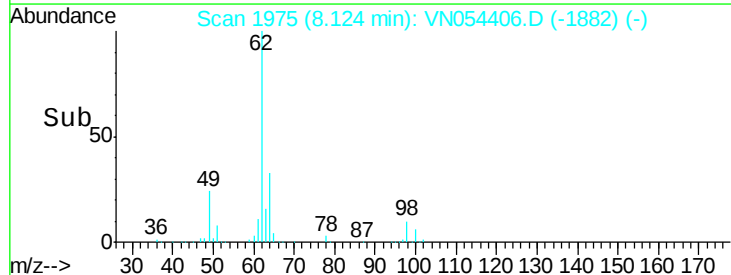
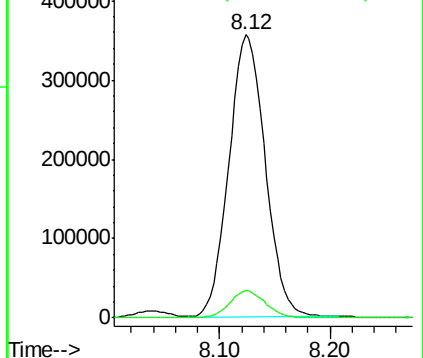


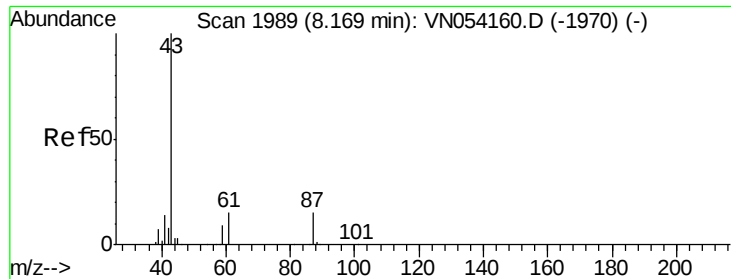
#42
1,2-Dichloroethane
Concen: 51.094 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 62 Resp: 814797
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.217 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

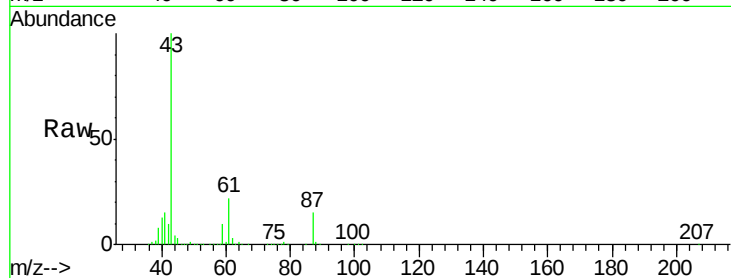
Tot Ion: 43 Resp: 835998

Ion Ratio Lower Upper

43 100

61 21.1 15.8 23.8

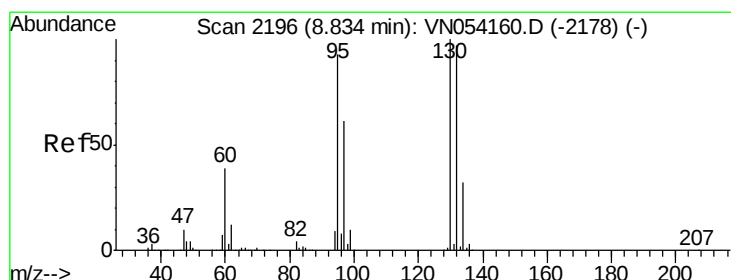
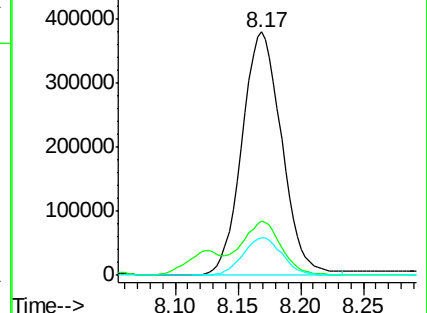
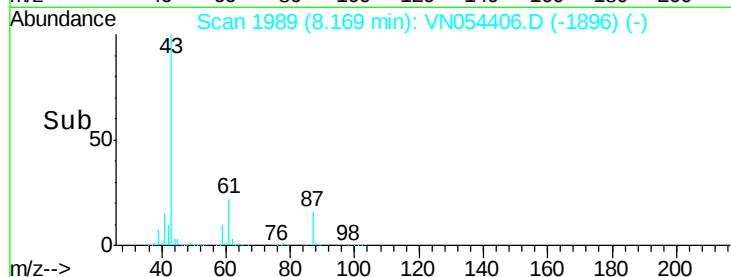
87 15.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054406.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054406.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054406.D (-1896) (-)



#44

Trichloroethene

Concen: 50.908 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054406.D

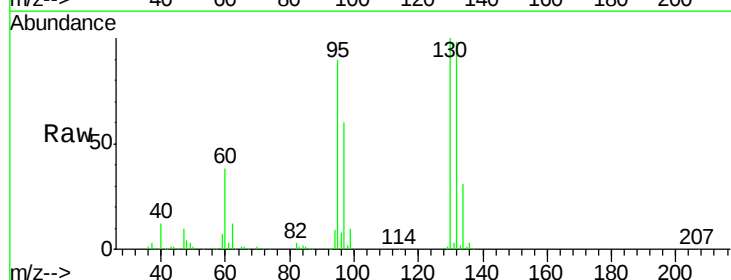
Acq: 18 Mar 2019 21:17

Tgt Ion: 130 Resp: 746978

Ion Ratio Lower Upper

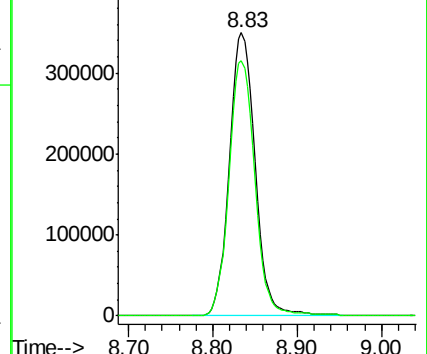
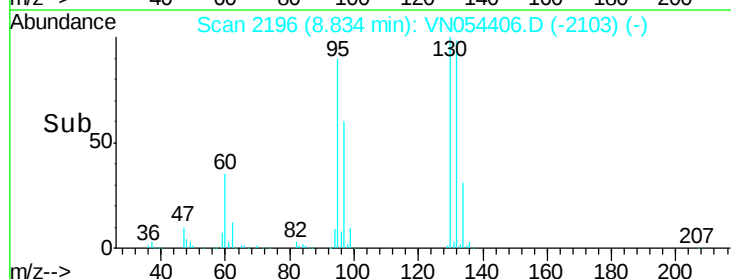
130 100

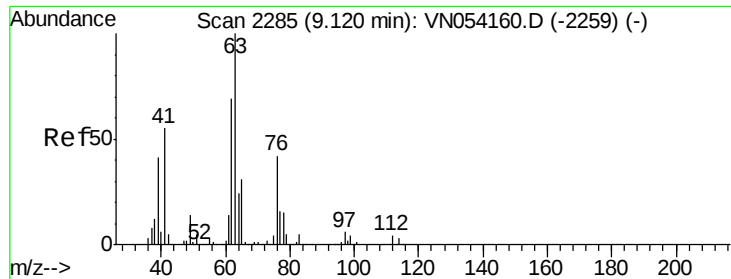
95 90.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054406.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054406.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 53.853 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

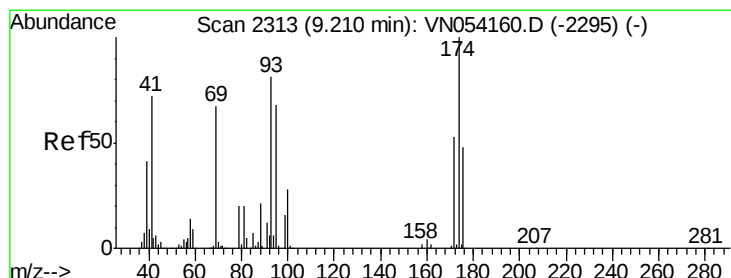
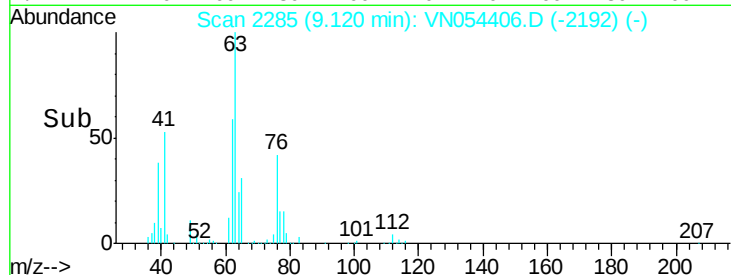
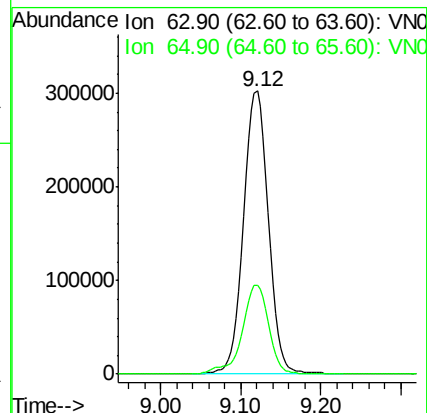
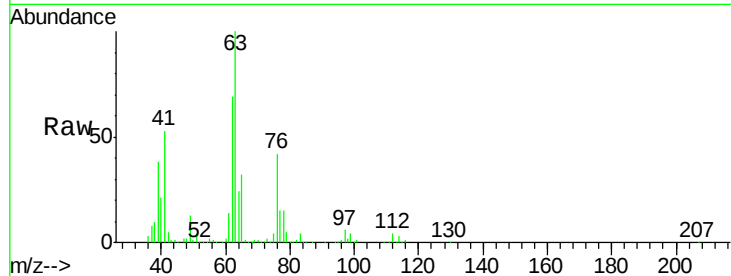
VSTDCCC050

Tot Ion: 63 Resp: 631621

Ion Ratio Lower Upper

63 100

65 31.6 25.0 37.6



#46

Dibromomethane

Concen: 51.790 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

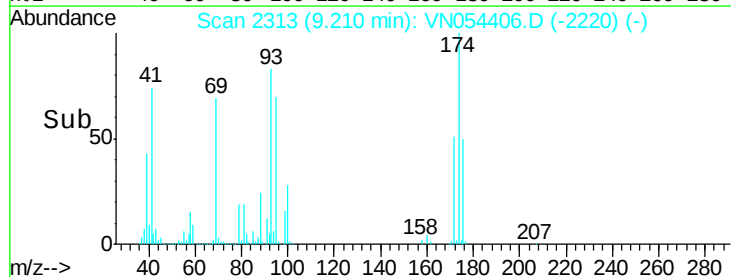
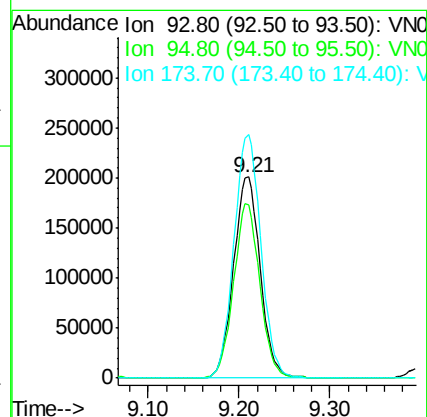
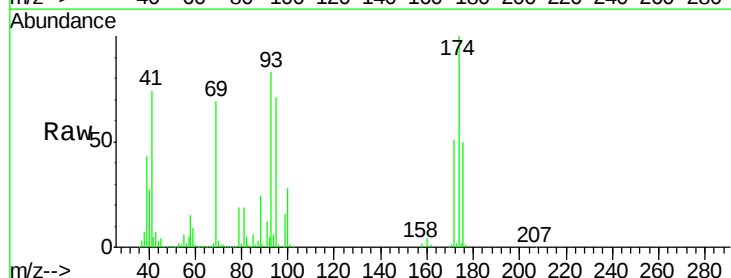
Tgt Ion: 93 Resp: 410417

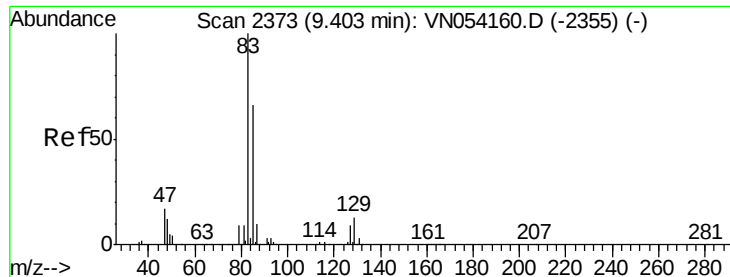
Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

174 122.5 98.5 147.7





#47

Bromodichloromethane

Concen: 52.524 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

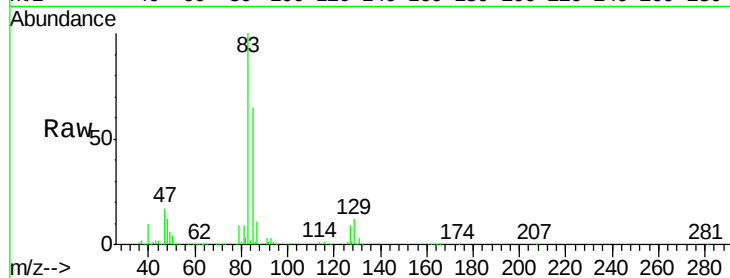
Tot Ion: 83 Resp: 834438

Ion Ratio Lower Upper

83 100

85 65.3 52.8 79.2

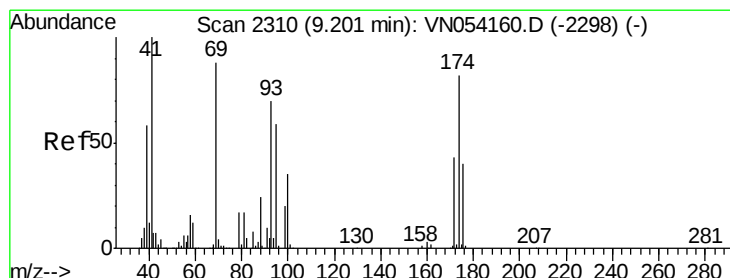
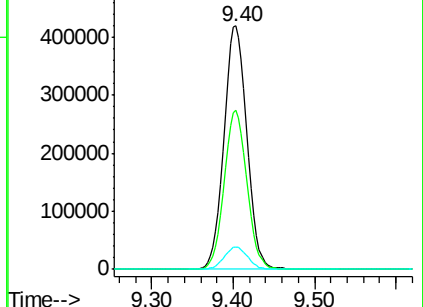
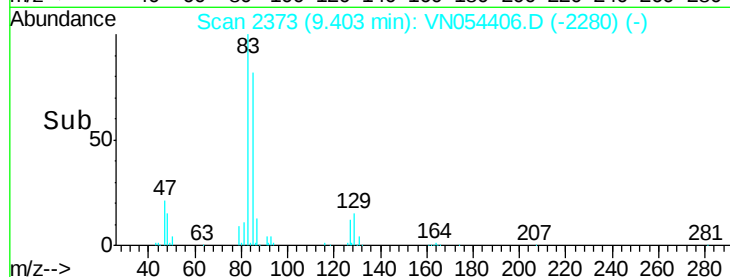
127 9.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054406.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054406.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054406.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.723 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

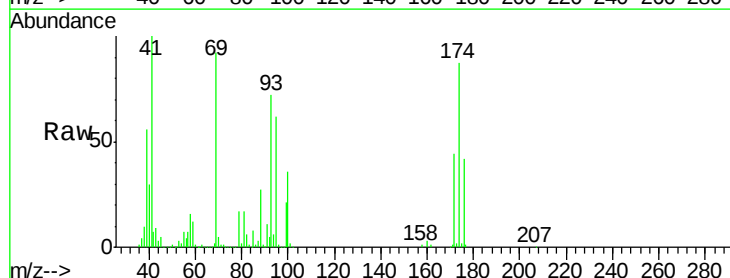
Tgt Ion: 41 Resp: 445424

Ion Ratio Lower Upper

41 100

69 94.3 72.6 108.8

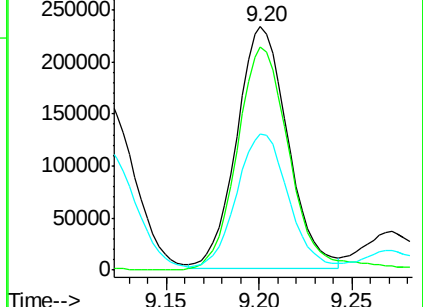
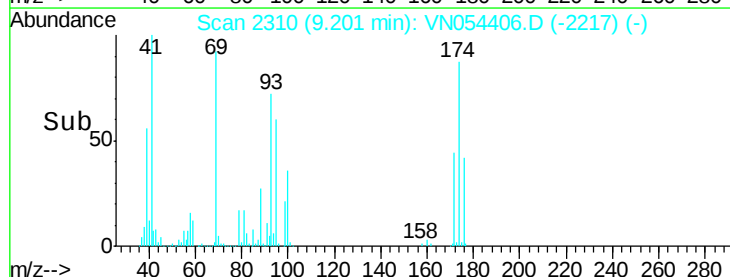
39 57.0 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054406.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054406.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054406.D (-2217) (-)

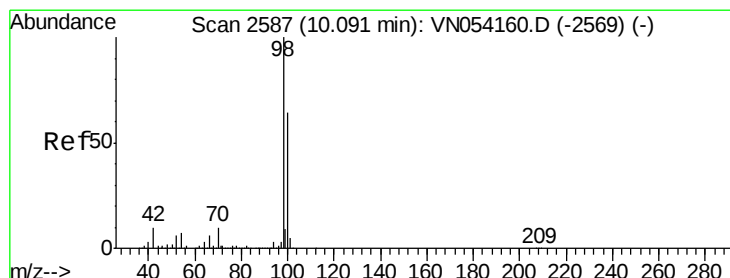
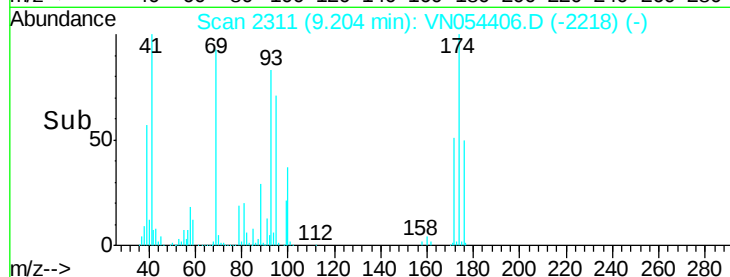
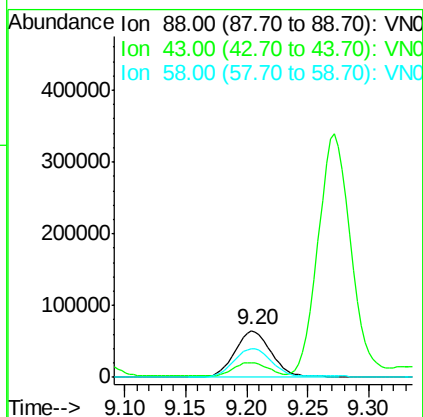
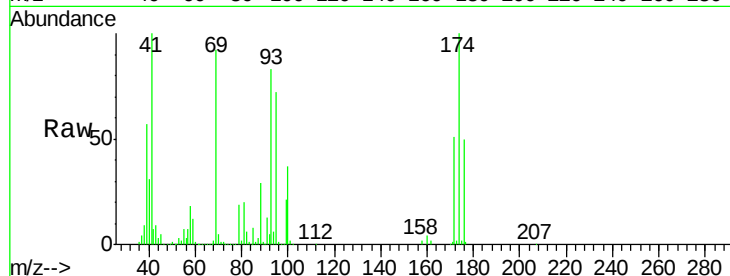




#49
1,4-Dioxane
Concen: 1132.276 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

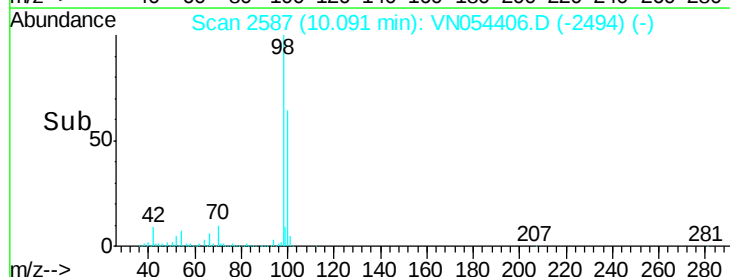
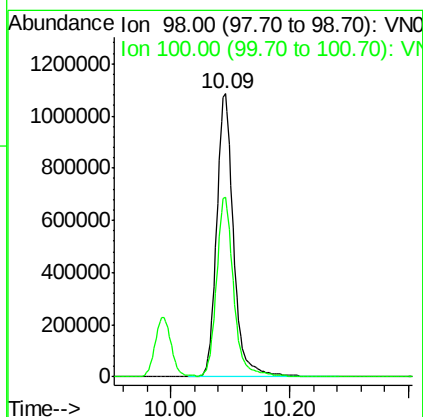
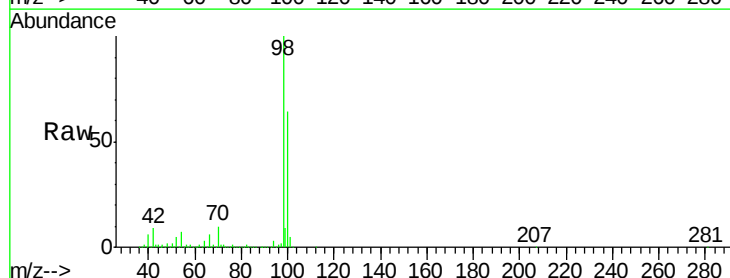
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 135308
Ion Ratio Lower Upper
88 100
43 27.9 24.1 36.1
58 62.8 50.8 76.2



#50
Toluene-d8
Concen: 50.129 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 98 Resp: 2140173
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 280.294 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

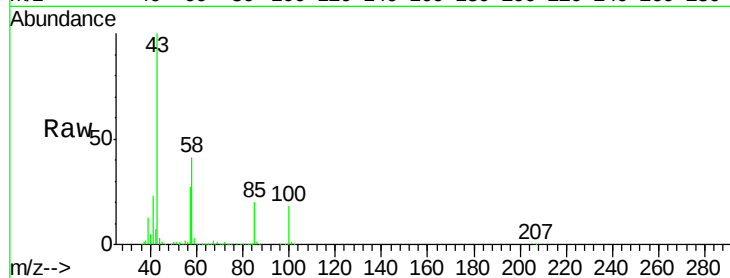
VSTDCCC050

Tot Ion: 43 Resp: 2469381

Ion Ratio Lower Upper

43 100

58 40.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500000

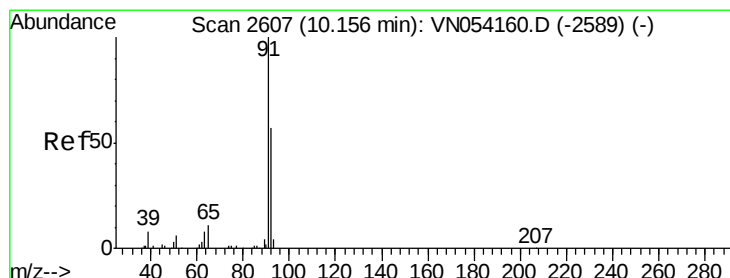
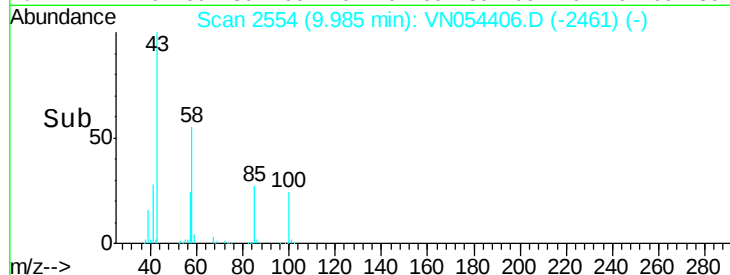
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 52.659 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054406.D

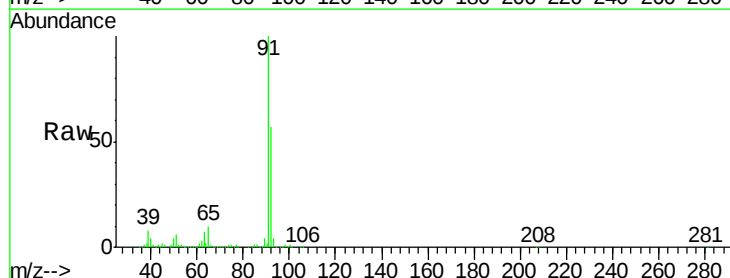
Acq: 18 Mar 2019 21:17

Tgt Ion: 92 Resp: 1577117

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1500000

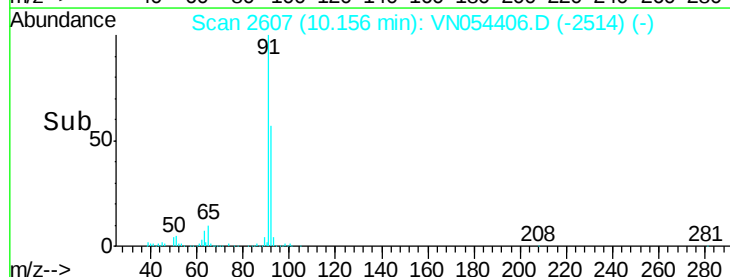
1000000

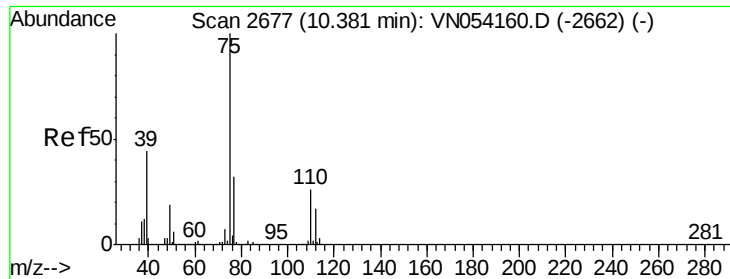
500000

0

10.00 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 42.903 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

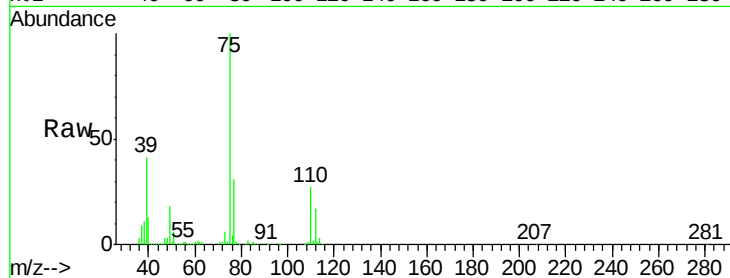
VSTDCCC050

Tot Ion: 75 Resp: 774237

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

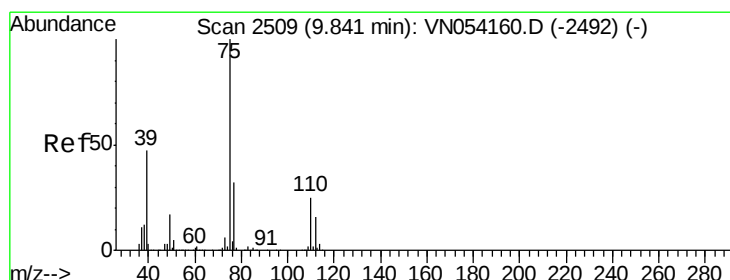
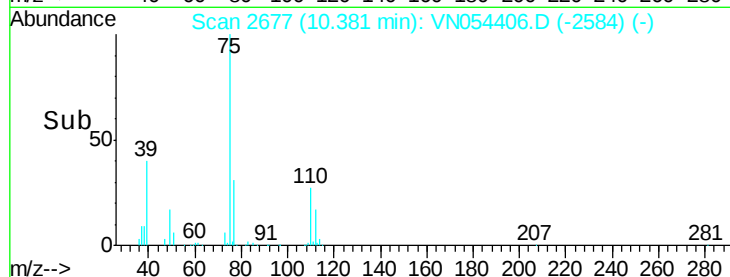
300000

200000

100000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 50.109 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

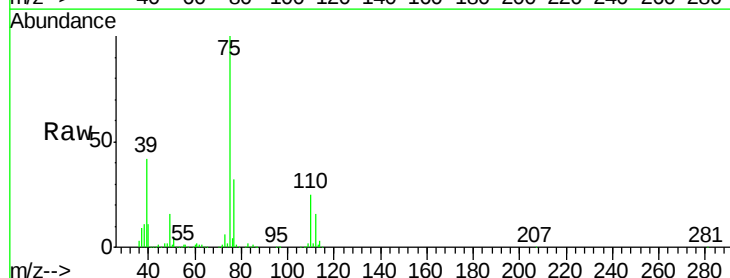
Tgt Ion: 75 Resp: 927660

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 42.1 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

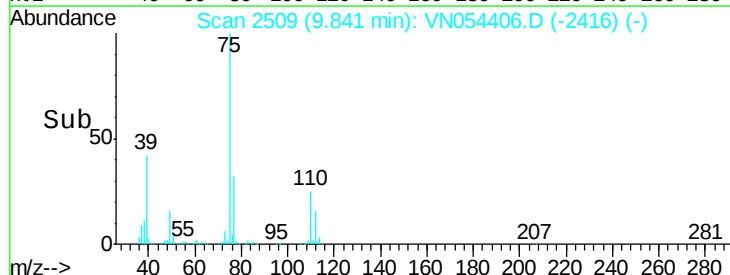
600000

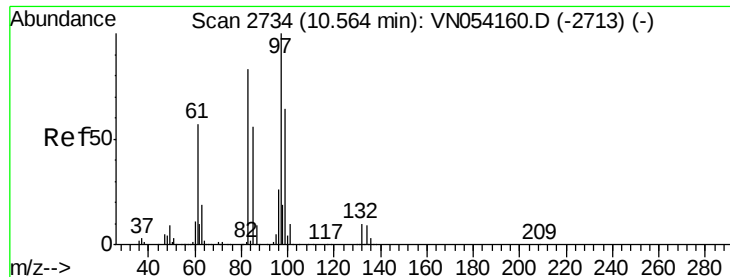
400000

200000

0

Time--> 9.80 9.90

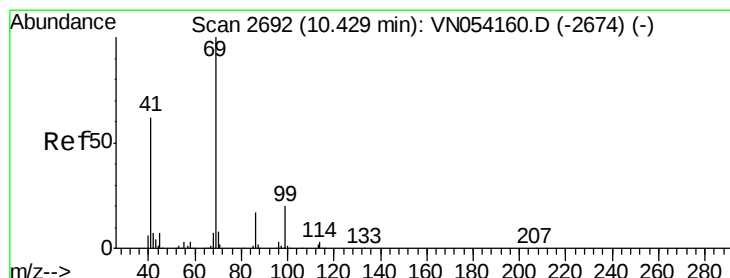
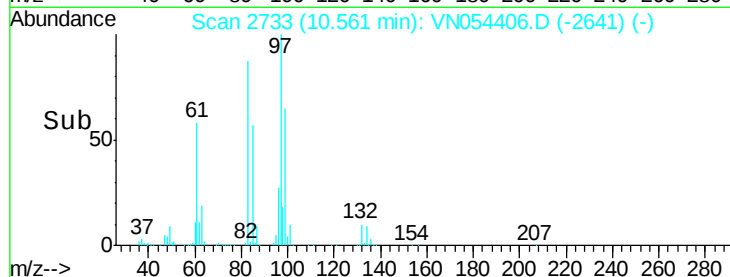
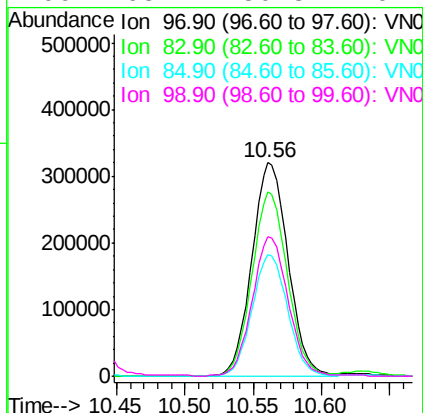
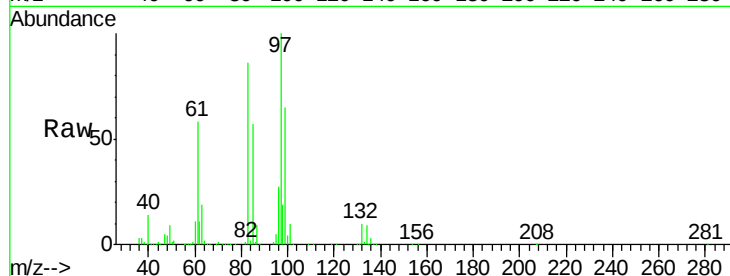




#55
 1,1,2-Trichloroethane
 Concen: 54.033 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

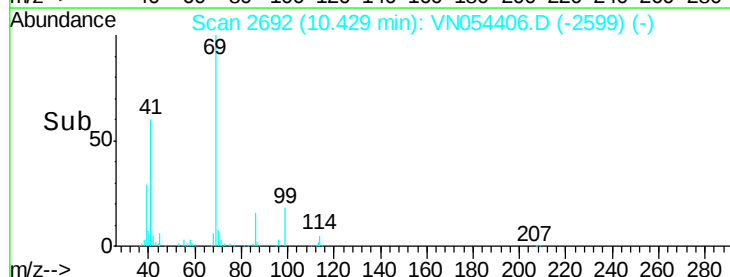
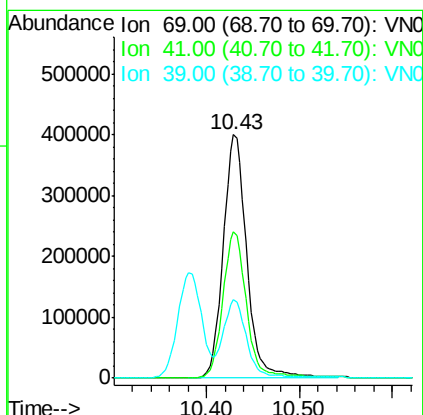
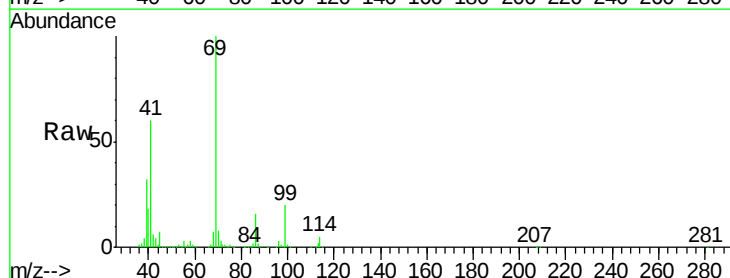
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

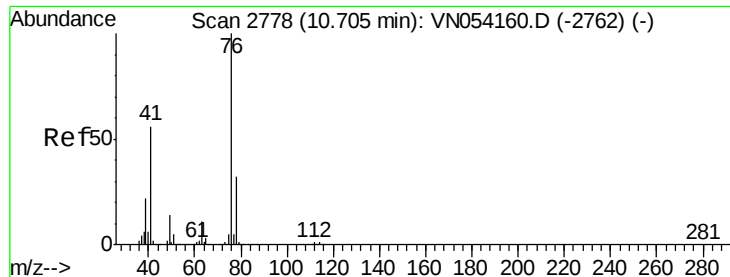
Tot Ion:	97	Resp:	590895
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.6	100.0
85	56.7	44.4	66.6
99	65.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 54.277 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion:	69	Resp:	707751
Ion	Ratio	Lower	Upper
69	100		
41	59.1	49.4	74.2
39	30.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.418 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

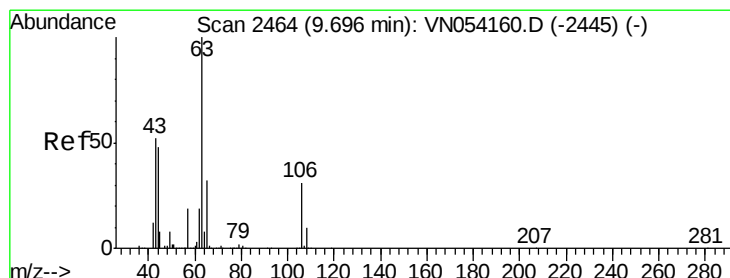
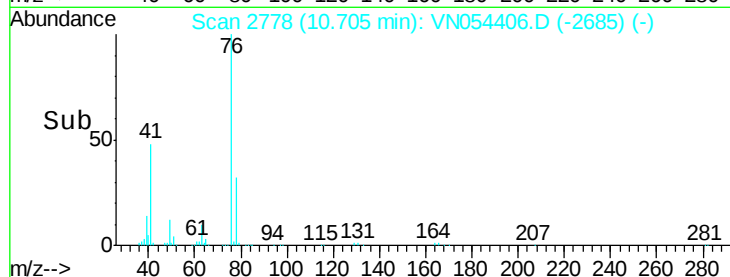
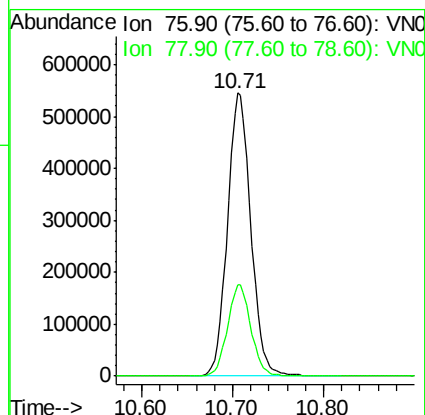
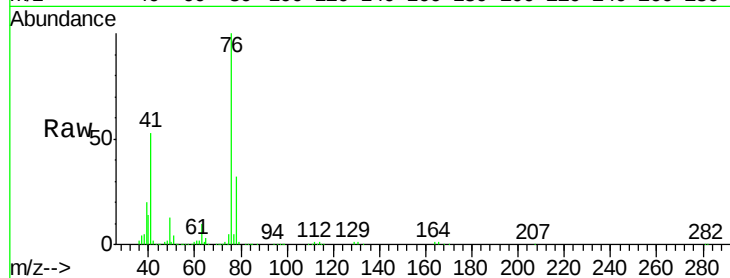
VSTDCCC050

Tot Ion: 76 Resp: 973081

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 242.285 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054406.D

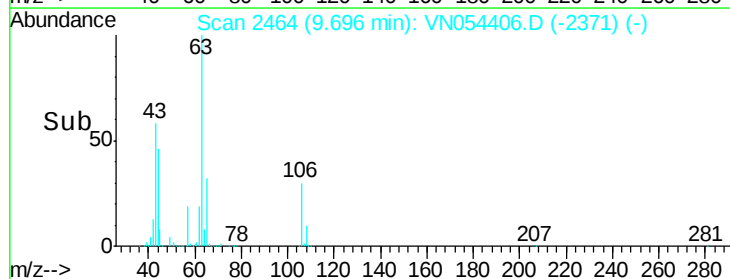
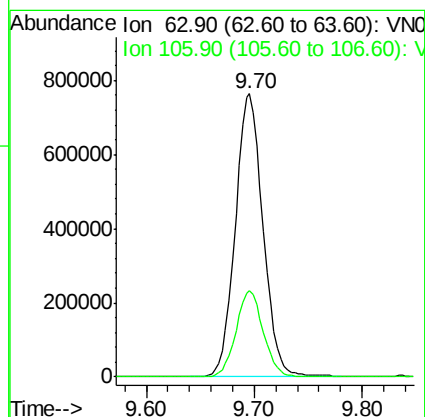
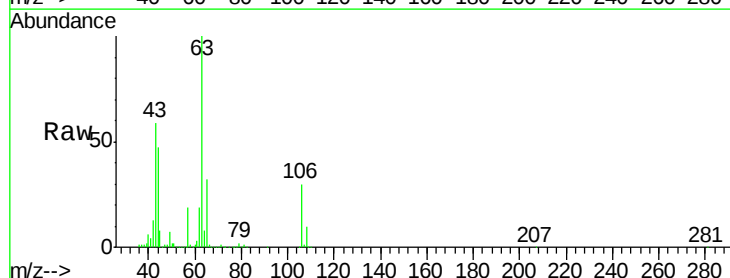
Acq: 18 Mar 2019 21:17

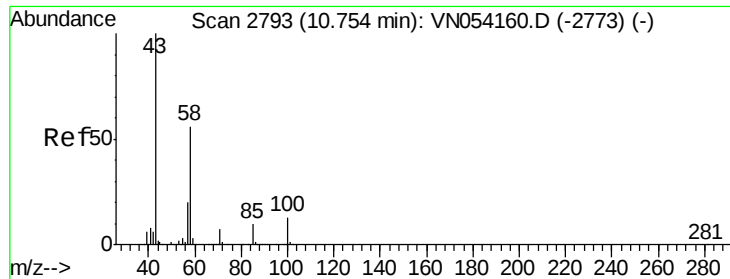
Tgt Ion: 63 Resp: 1367480

Ion Ratio Lower Upper

63 100

106 30.1 24.4 36.6

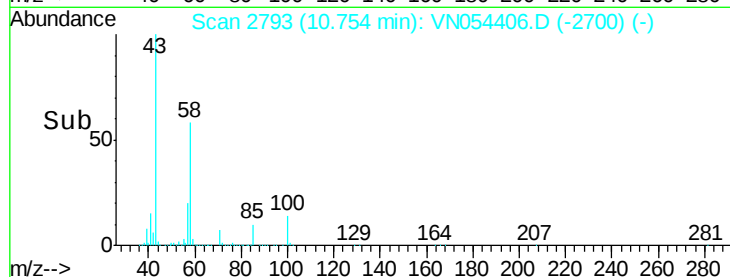
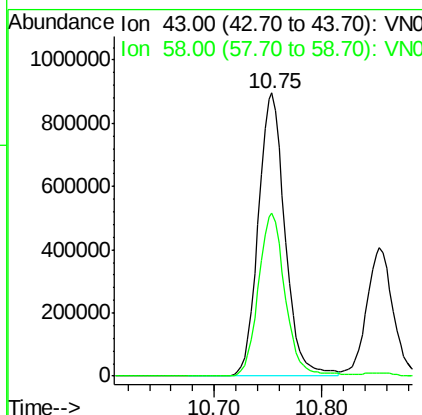
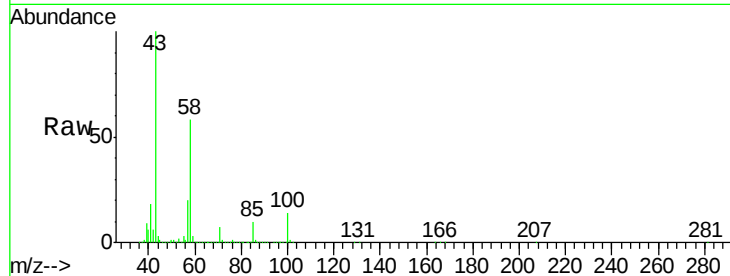




#59
2-Hexanone
Concen: 261.275 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

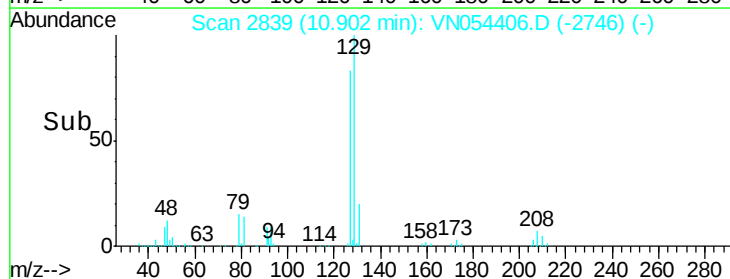
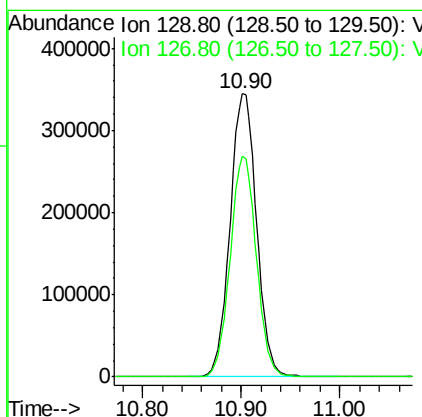
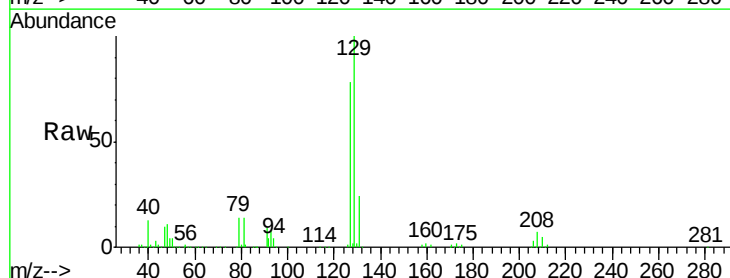
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

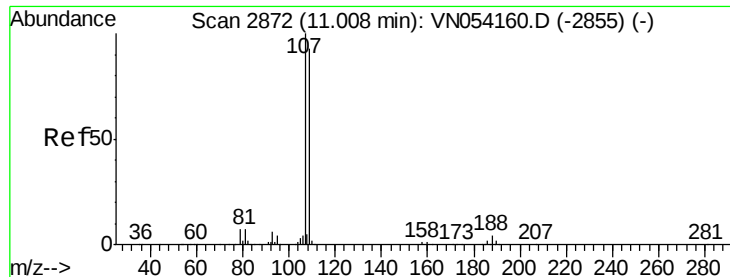
Tot Ion: 43 Resp: 1531629
Ion Ratio Lower Upper
43 100
58 57.8 28.0 83.9



#60
Dibromochloromethane
Concen: 52.479 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 129 Resp: 645960
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

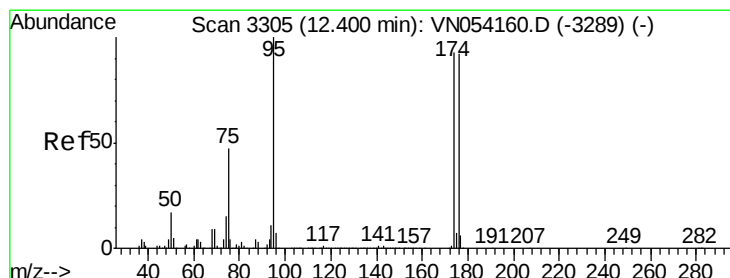
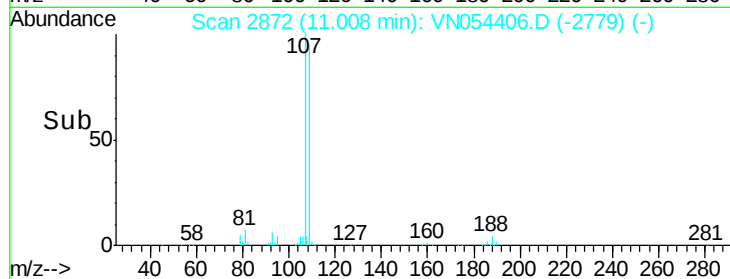
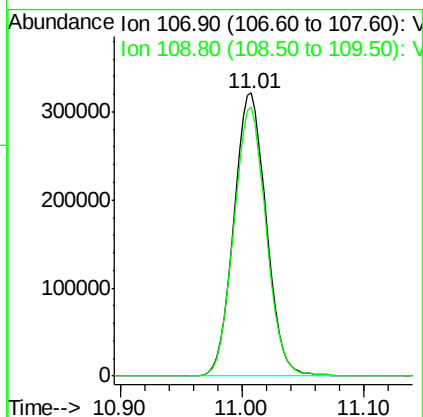
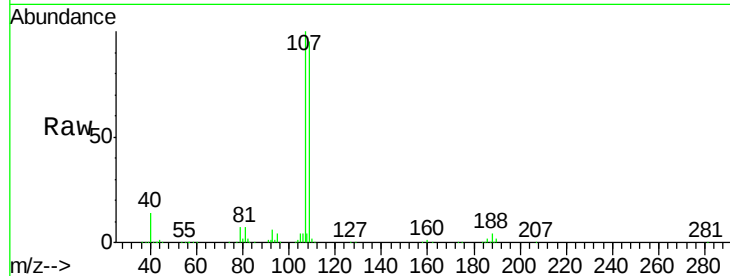




#61
 1,2-Dibromoethane
 Concen: 53.277 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

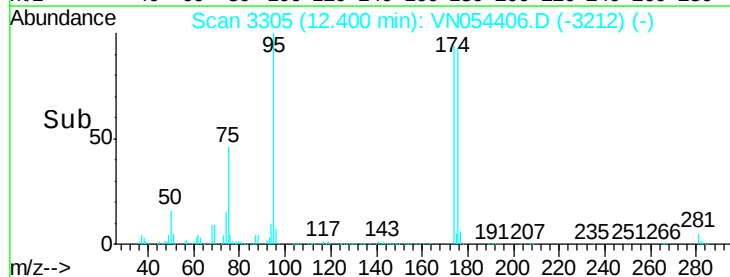
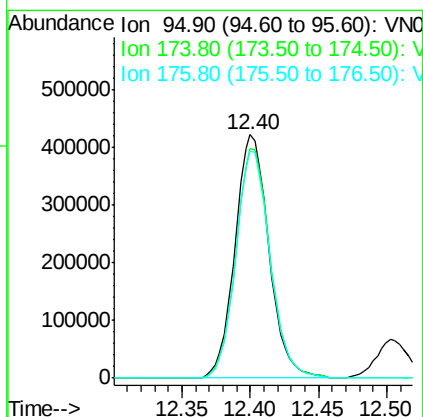
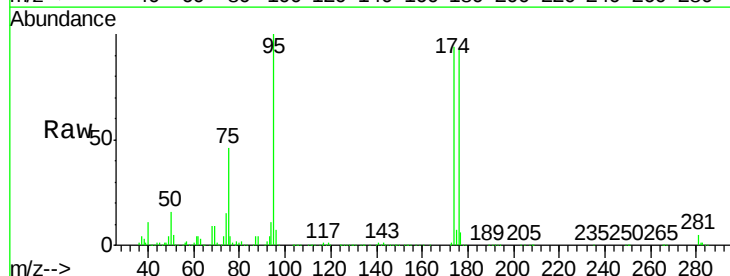
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 592075
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.875 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 95 Resp: 730105
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 191.0
 176 94.0 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

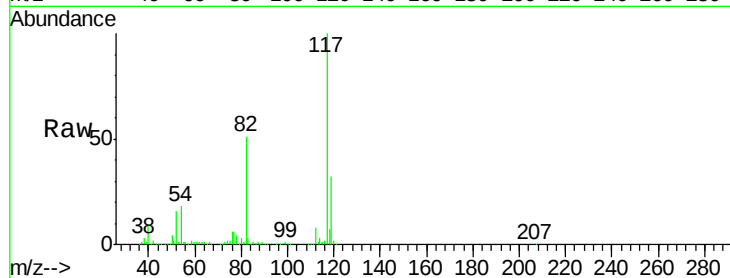
Tot Ion:117 Resp: 1564607

Ion Ratio Lower Upper

117 100

82 51.5 40.0 60.0

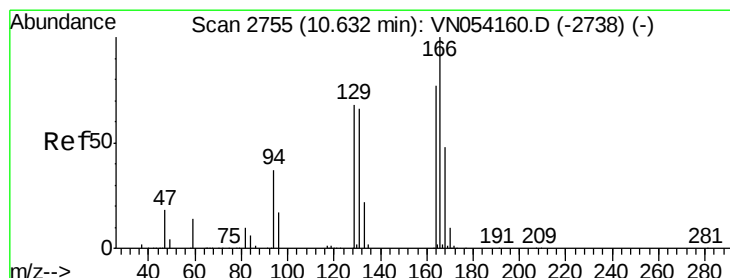
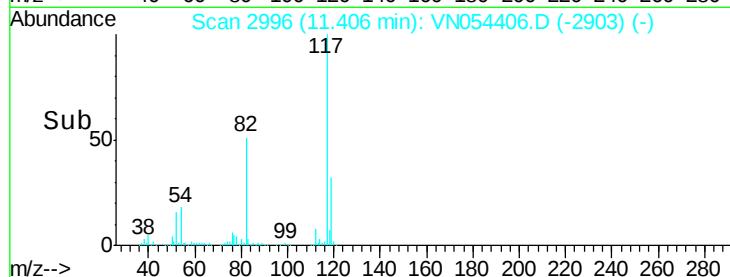
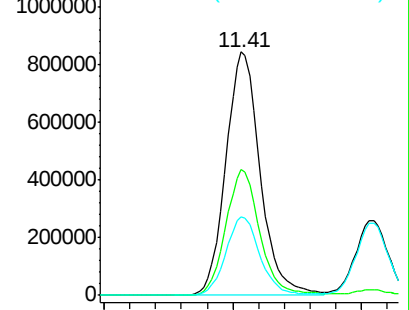
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.097 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:164 Resp: 742714

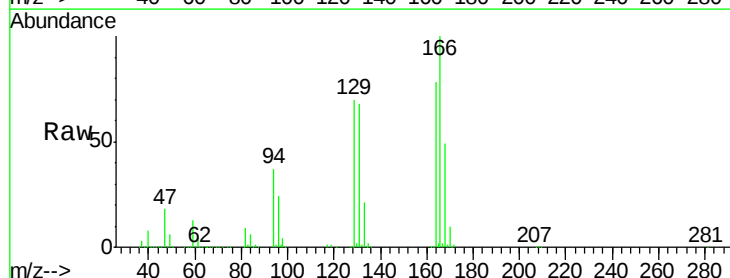
Ion Ratio Lower Upper

164 100

166 128.7 103.9 155.9

129 90.7 71.1 106.7

131 87.9 68.2 102.4

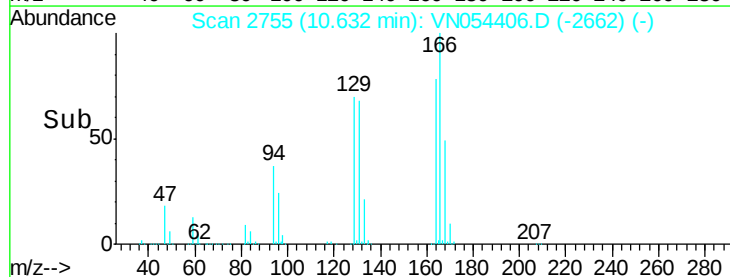
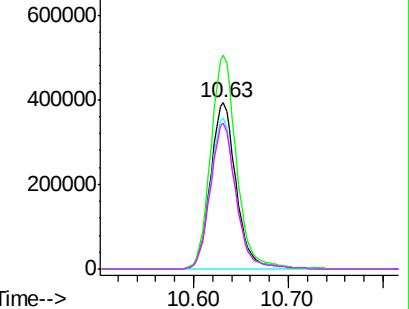


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.852 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

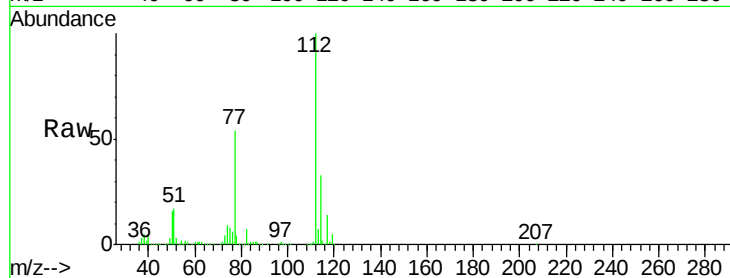
VSTDCCC050

Tot Ion:112 Resp: 1815700

Ion Ratio Lower Upper

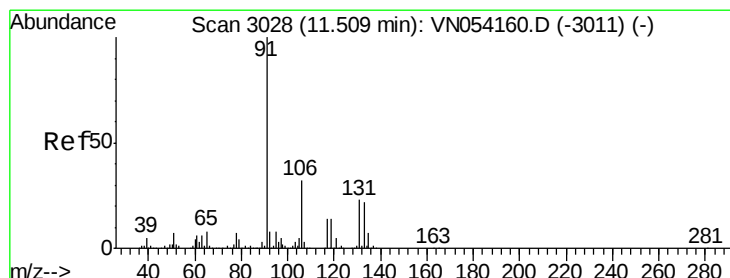
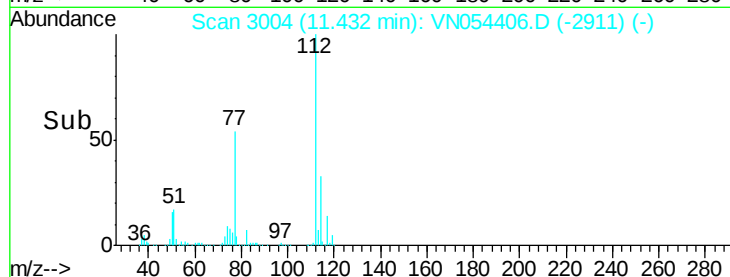
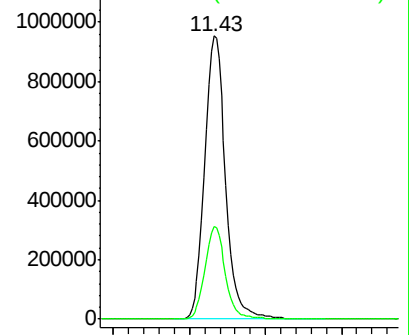
112 100

114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.427 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

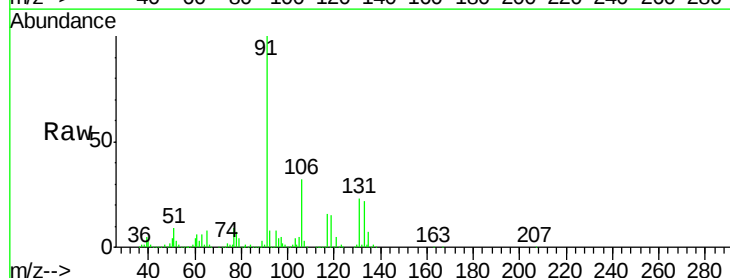
Tgt Ion:131 Resp: 666772

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

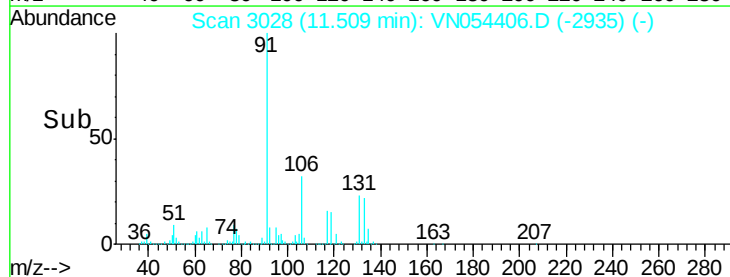
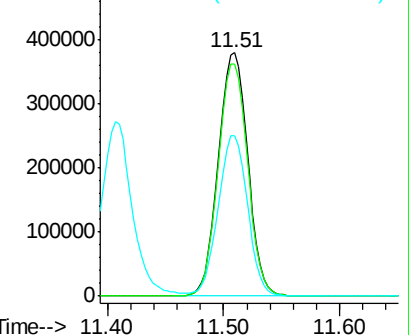
119 66.1 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

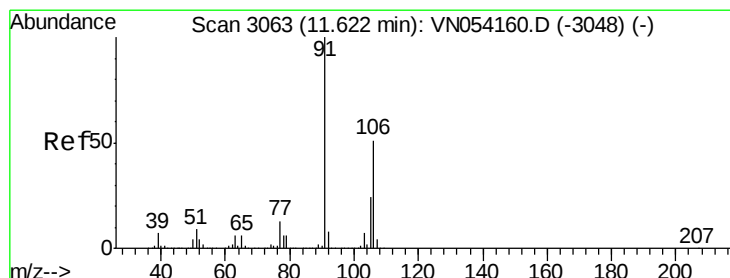
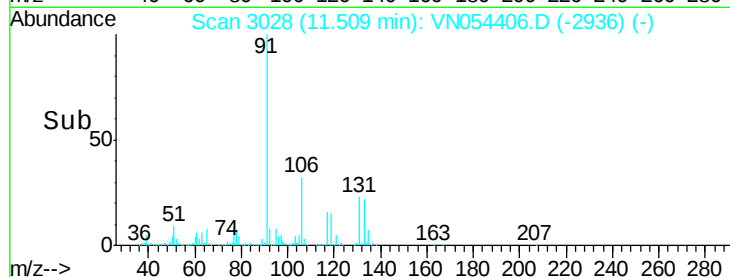
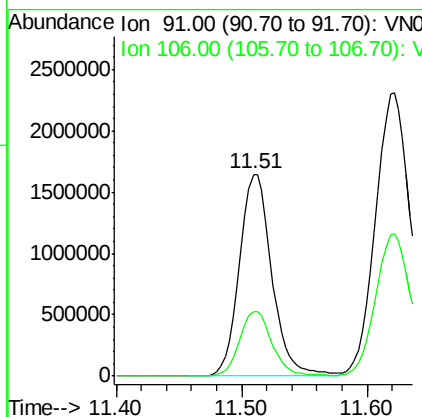
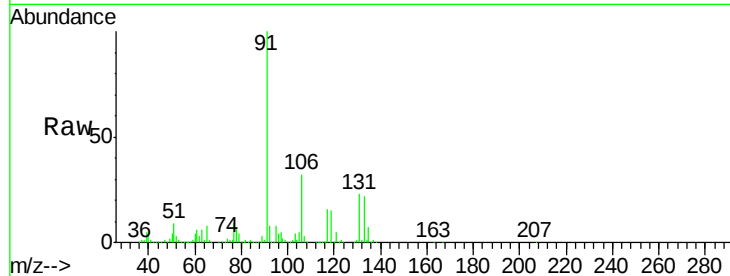




#67
Ethyl Benzene
Concen: 52.146 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

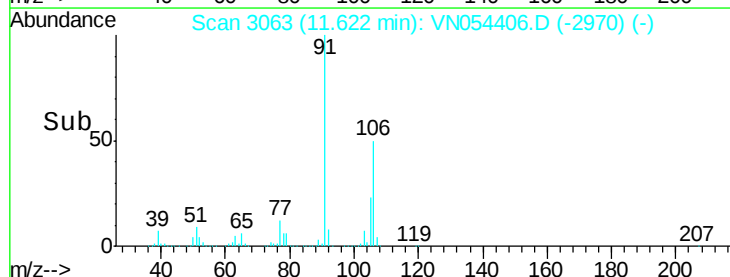
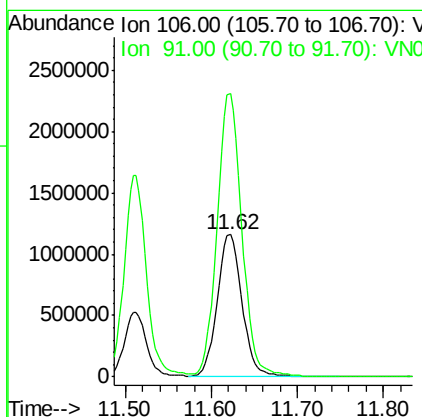
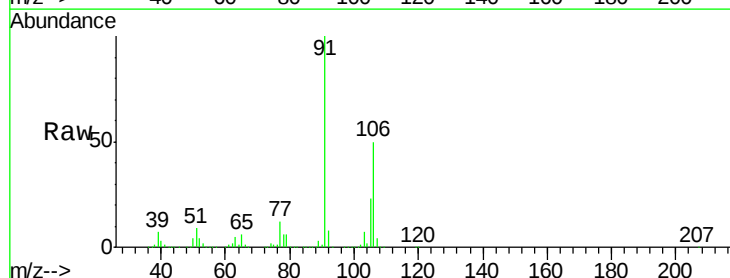
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

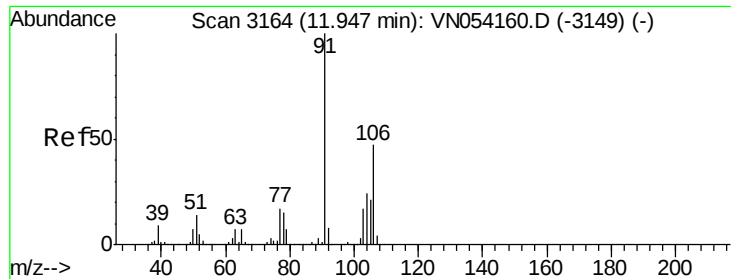
Tot Ion: 91 Resp: 2969615
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 104.810 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 106 Resp: 2332883
Ion Ratio Lower Upper
106 100
91 198.7 159.4 239.2

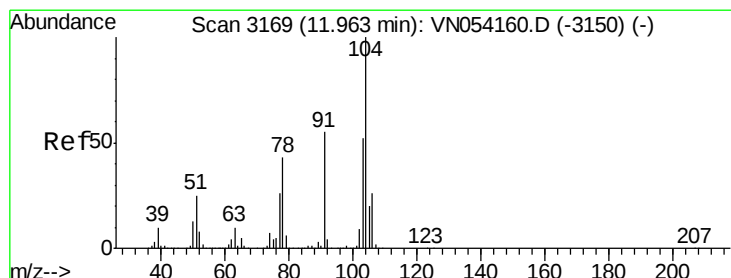
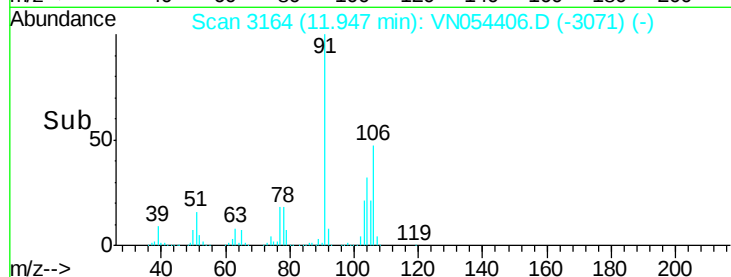
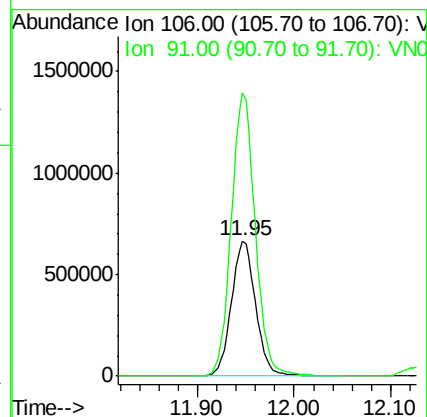
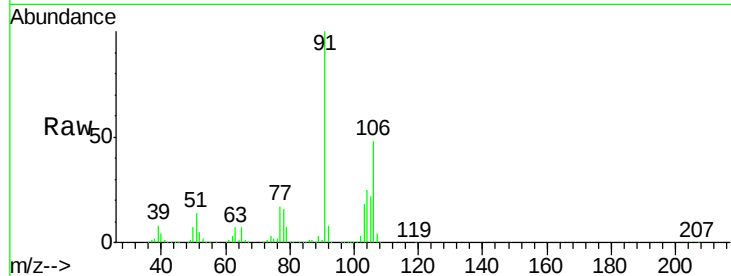




#69
o-Xylene
Concen: 53.169 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

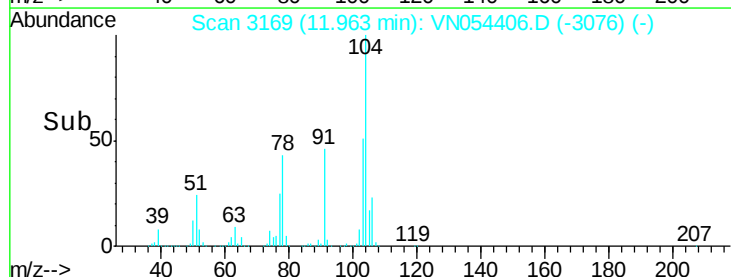
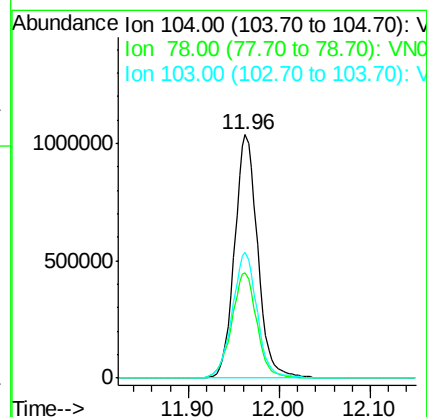
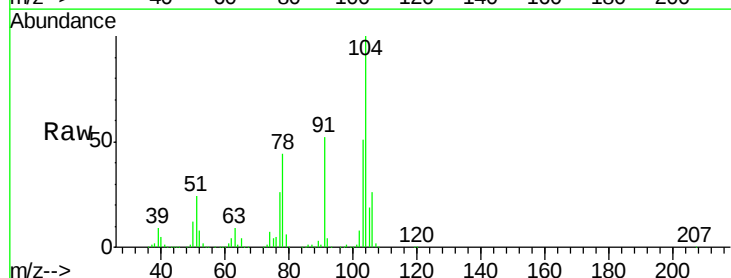
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1153649
Ion Ratio Lower Upper
106 100
91 208.2 105.7 317.1



#70
Styrene
Concen: 53.822 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:104 Resp: 1831540
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.3 44.4 66.6

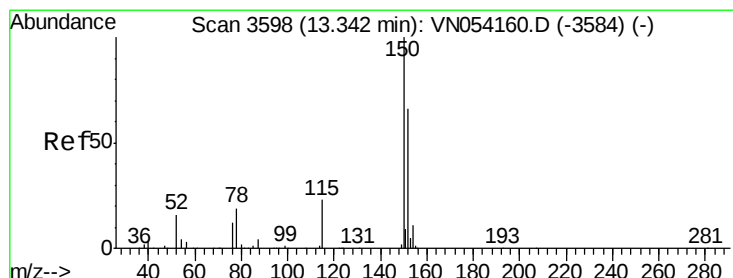
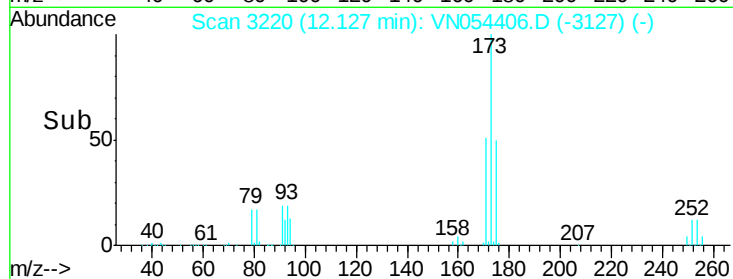
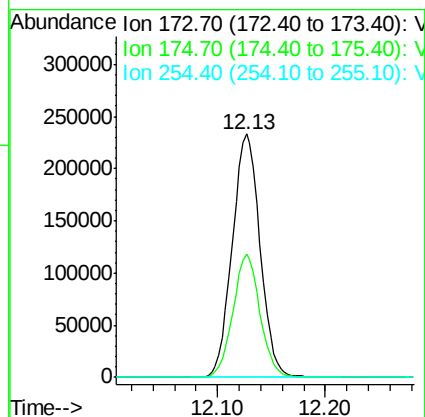
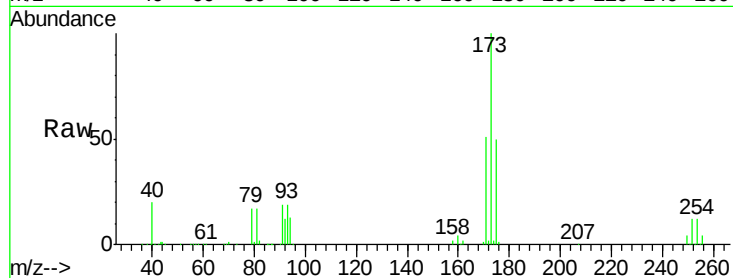




#71
Bromoform
Concen: 44.314 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

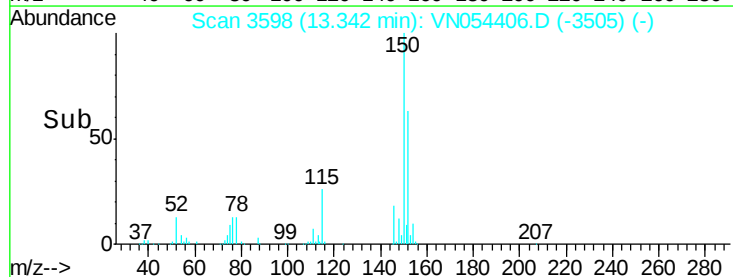
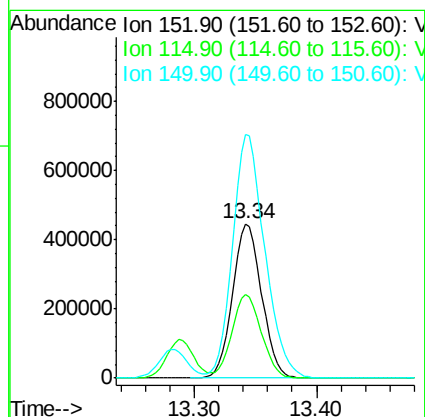
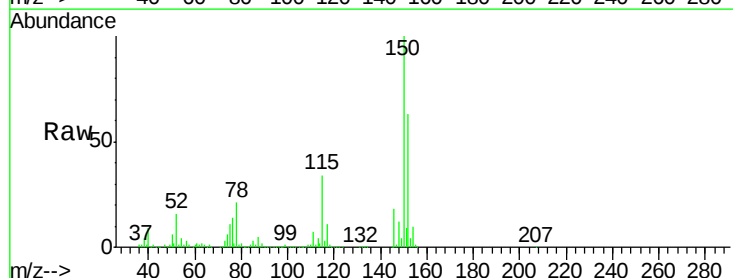
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 418907
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:152 Resp: 739363
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 174.9 0.0 349.2





#73

Isopropylbenzene

Concen: 50.612 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

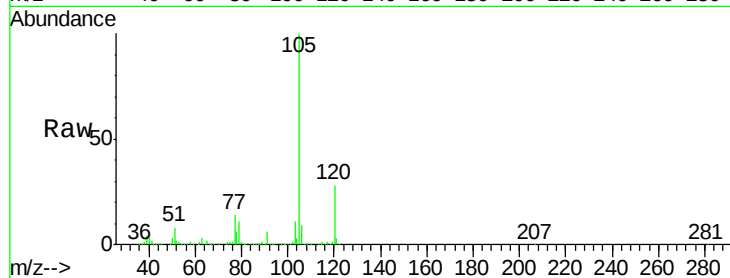
VSTDCCC050

Tot Ion:105 Resp: 2993892

Ion Ratio Lower Upper

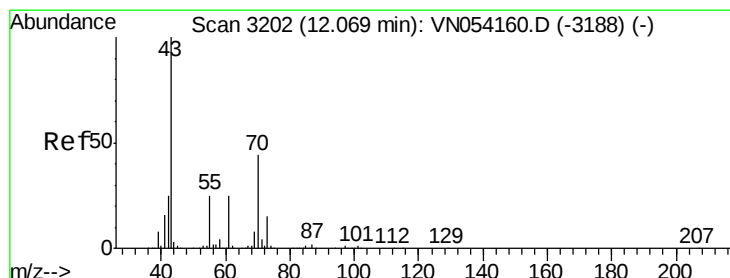
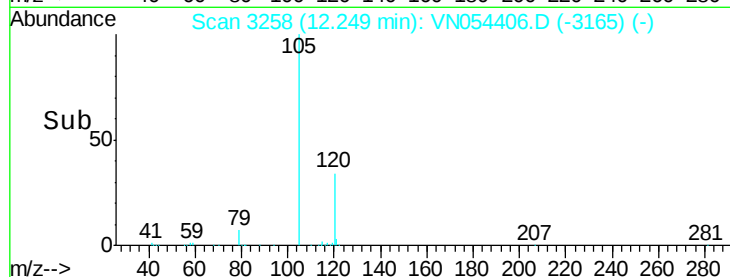
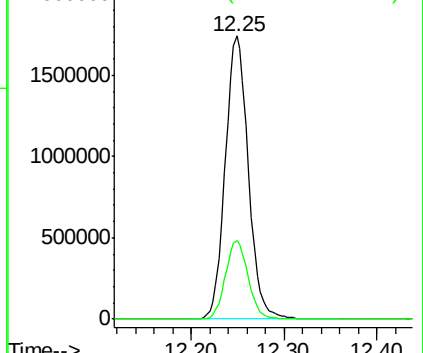
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.456 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 43 Resp: 688752

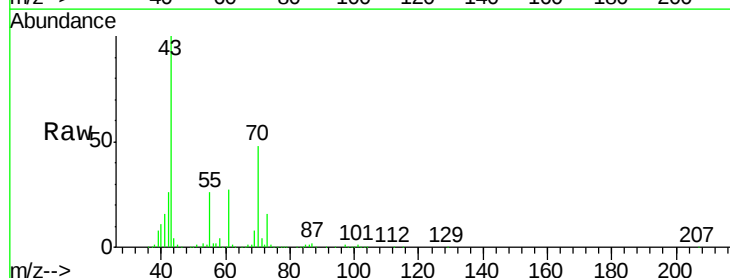
Ion Ratio Lower Upper

43 100

70 47.6 35.4 53.0

55 26.7 19.8 29.6

61 26.3 19.8 29.6

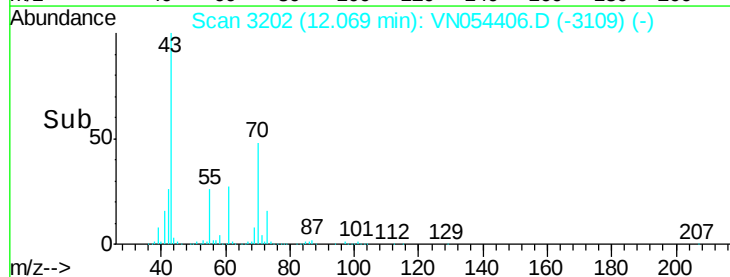
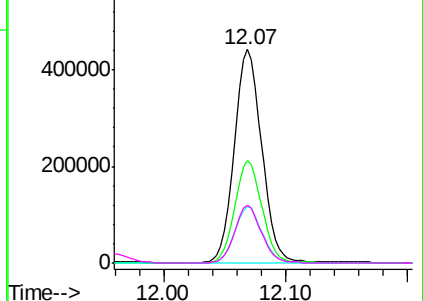


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.638 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

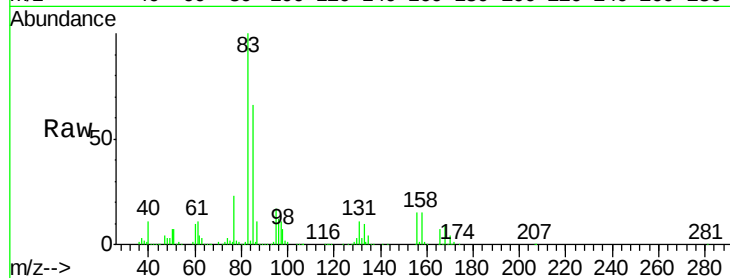
Tot Ion: 83 Resp: 688605

Ion Ratio Lower Upper

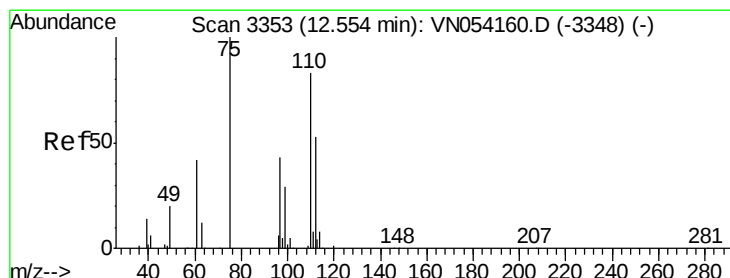
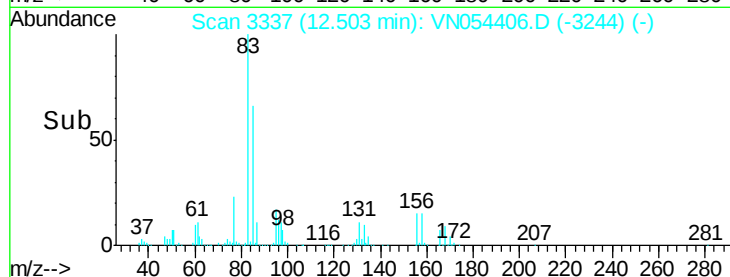
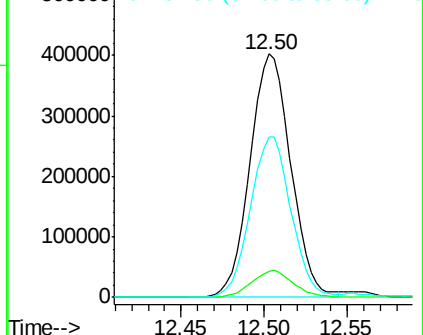
83 100

131 11.3 5.8 17.4

85 65.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 74.484 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054406.D

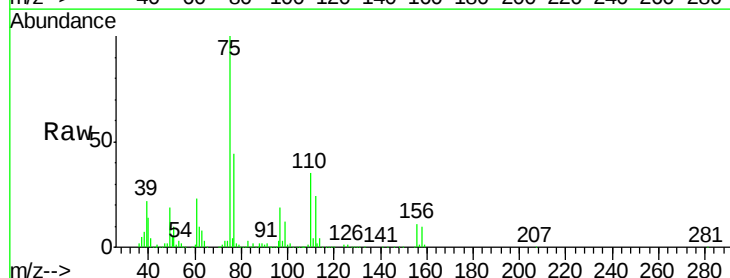
Acq: 18 Mar 2019 21:17

Tgt Ion: 75 Resp: 809838

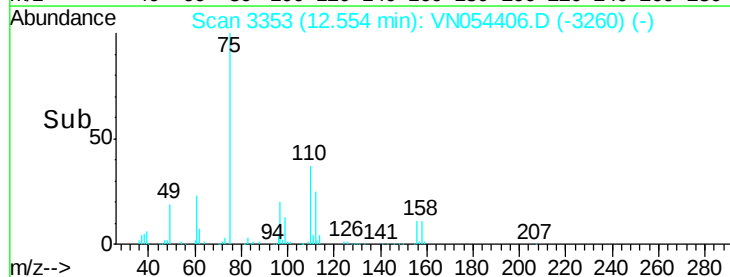
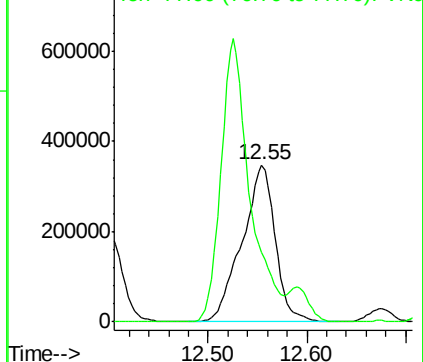
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.340 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

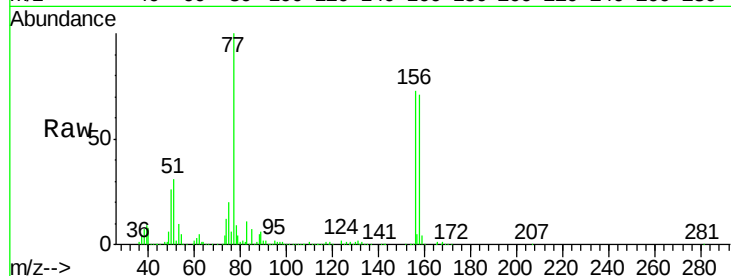
Tot Ion:156 Resp: 803626

Ion Ratio Lower Upper

156 100

77 161.1 81.5 244.4

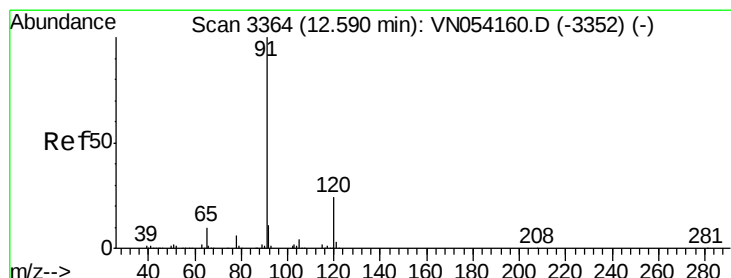
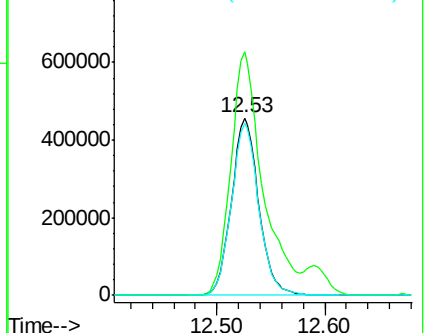
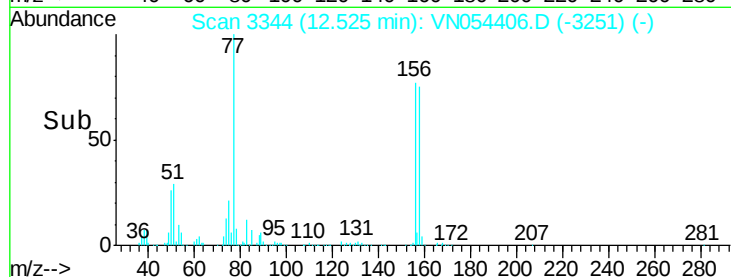
158 97.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.642 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054406.D

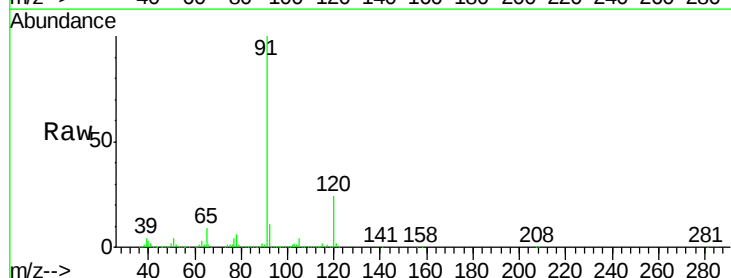
Acq: 18 Mar 2019 21:17

Tgt Ion: 91 Resp: 3250515

Ion Ratio Lower Upper

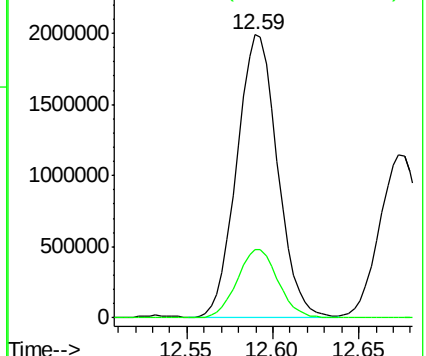
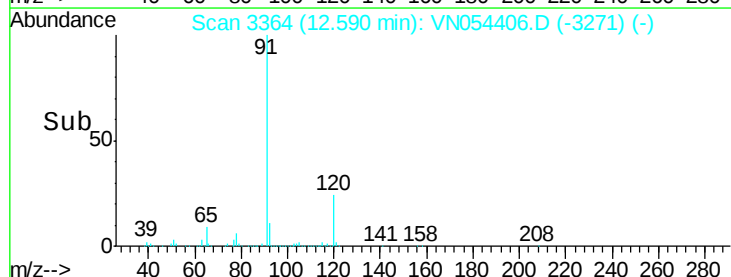
91 100

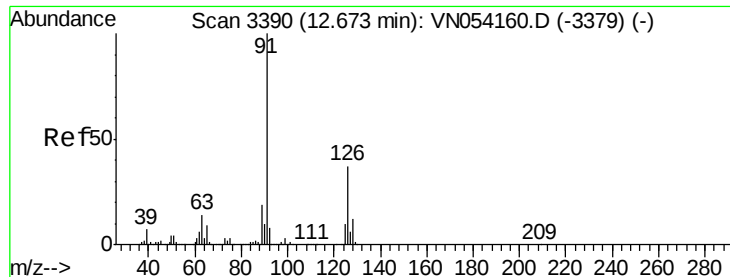
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

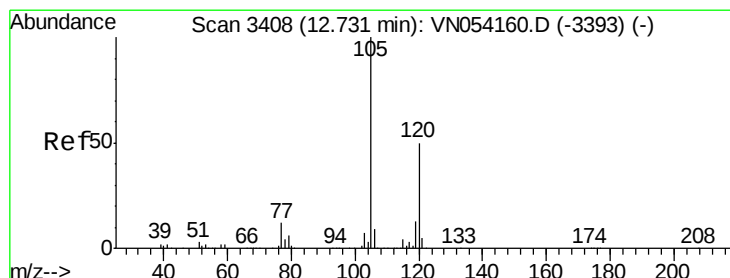
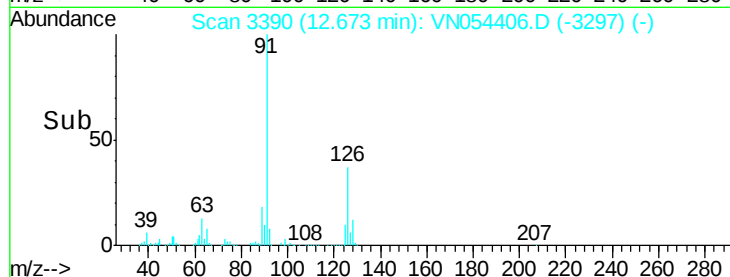
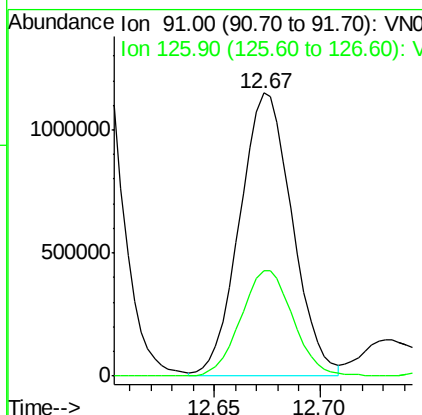
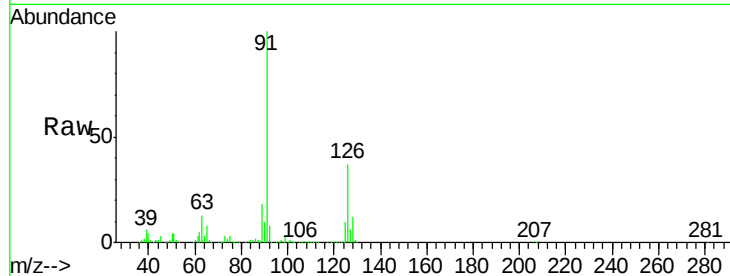




#79
 2-Chlorotoluene
 Concen: 51.287 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

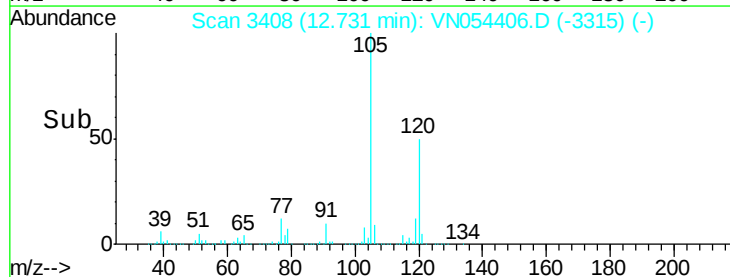
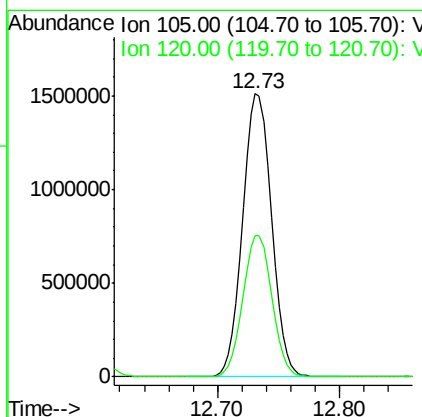
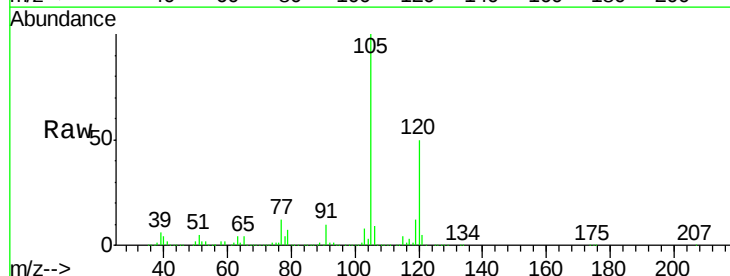
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

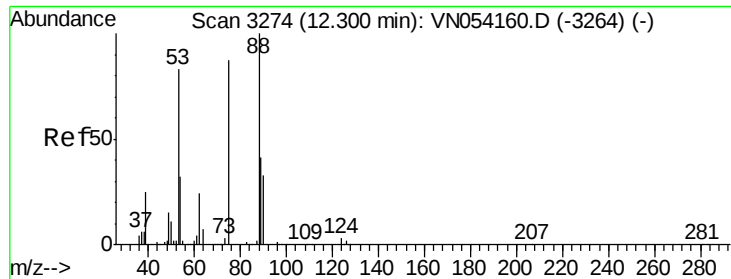
Tot Ion: 91 Resp: 1979295
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.972 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 105 Resp: 2458803
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.0 75.0

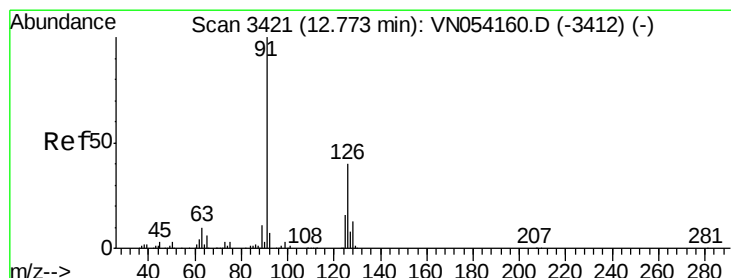
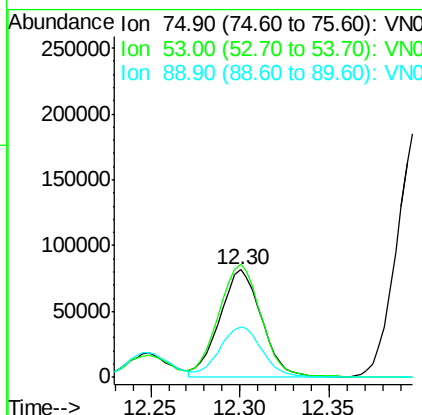
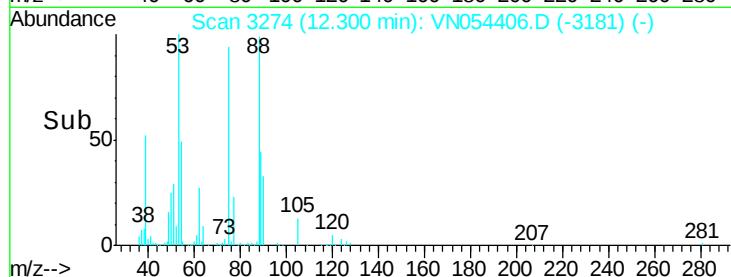
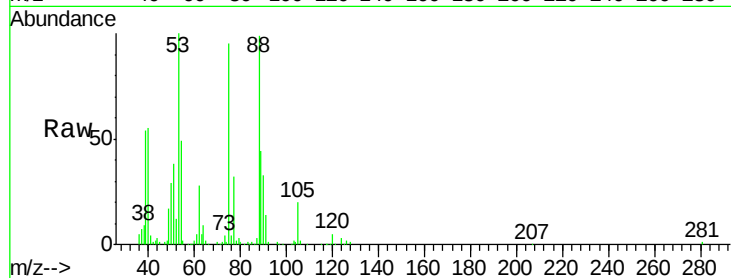




#81
trans-1,4-Dichloro-2-butene
Concen: 41.484 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

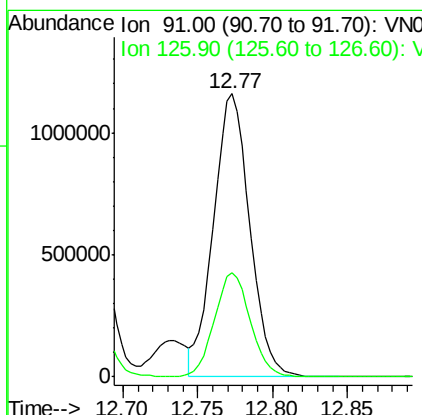
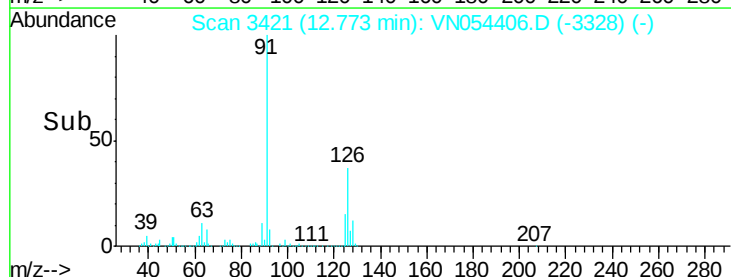
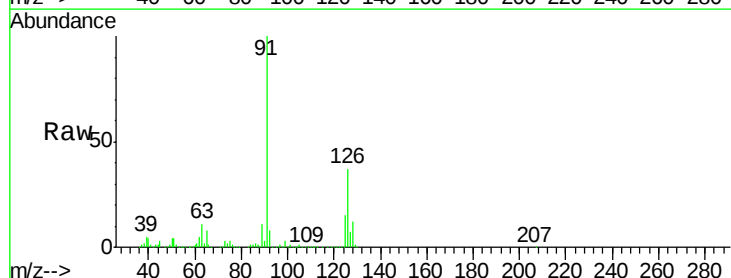
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

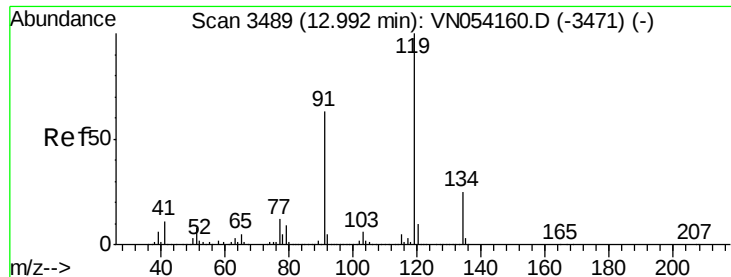
Tot Ion: 75 Resp: 131945
Ion Ratio Lower Upper
75 100
53 108.1 76.2 114.2
89 48.5 39.2 58.8



#82
4-Chlorotoluene
Concen: 50.752 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 91 Resp: 1955782
Ion Ratio Lower Upper
91 100
126 36.6 18.1 54.1

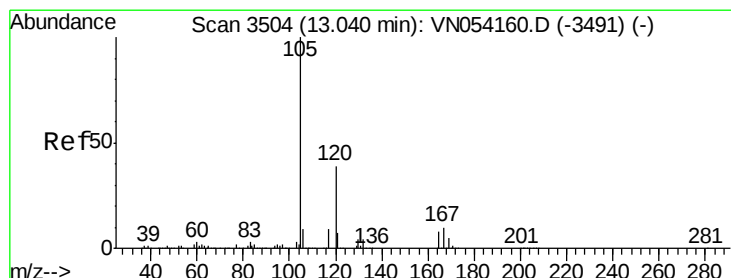
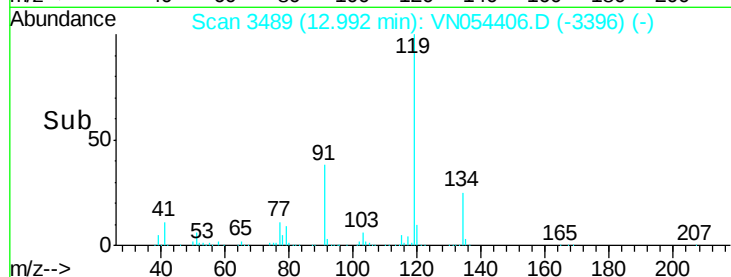
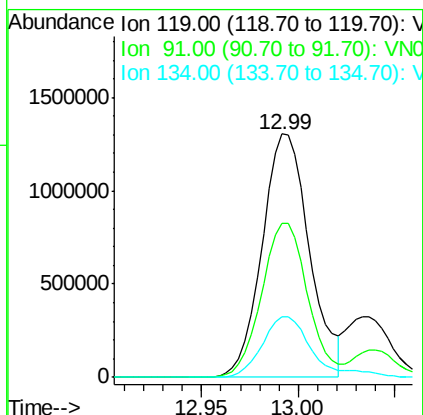
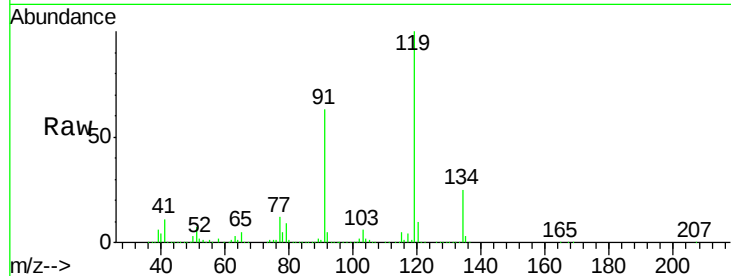




#83
tert-Butylbenzene
Concen: 49.227 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

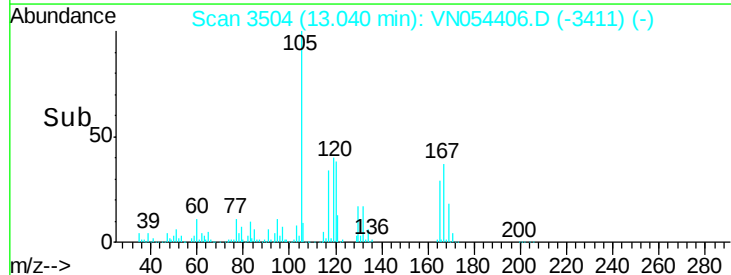
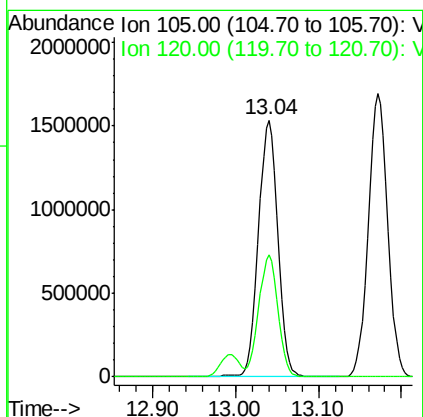
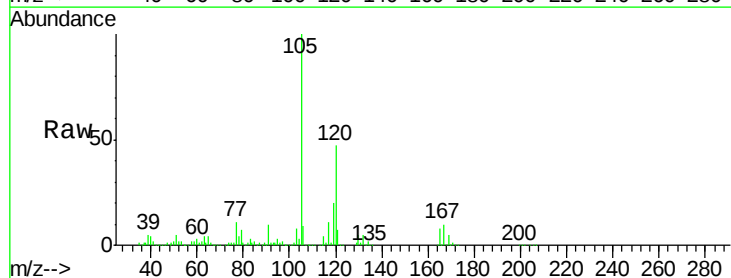
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

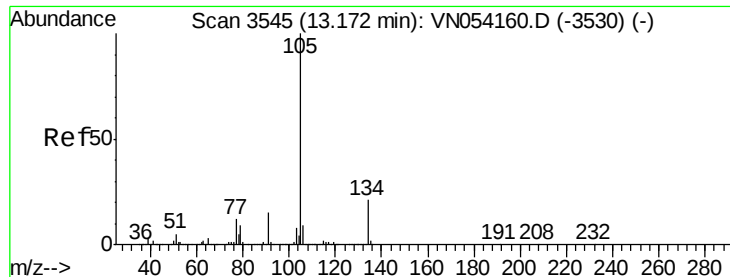
Tot Ion:119 Resp: 2229444
Ion Ratio Lower Upper
119 100
91 61.2 30.9 92.8
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 51.549 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:105 Resp: 2488295
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 47.281 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

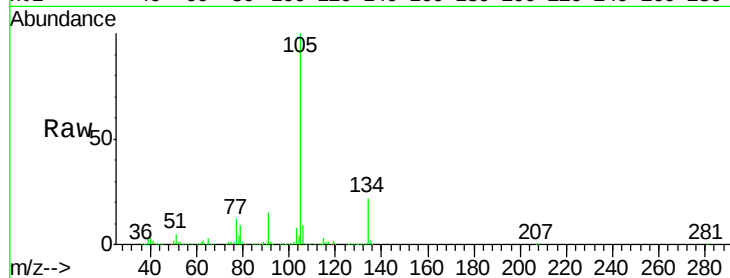
VSTDCCC050

Tot Ion:105 Resp: 2776971

Ion Ratio Lower Upper

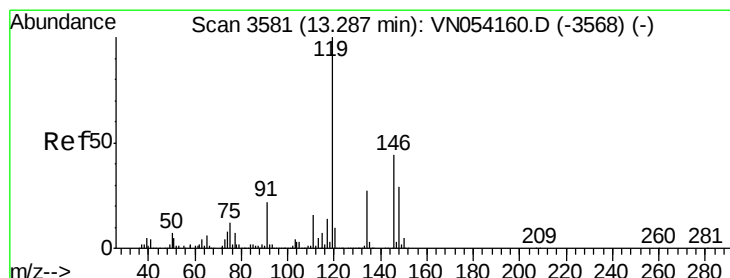
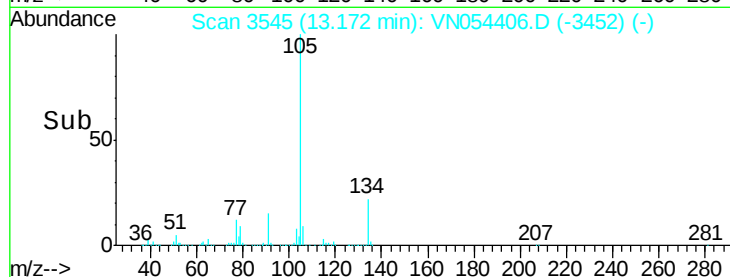
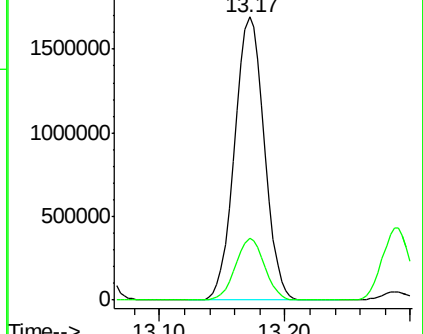
105 100

134 21.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.699 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

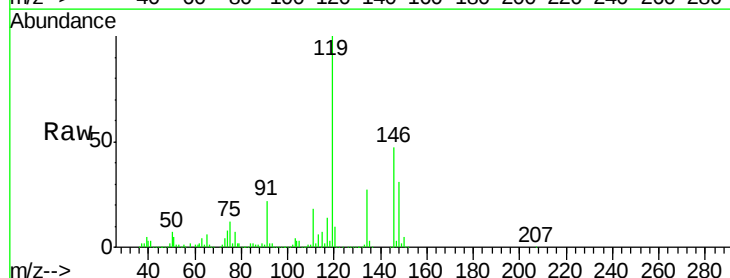
Tgt Ion:119 Resp: 2457796

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

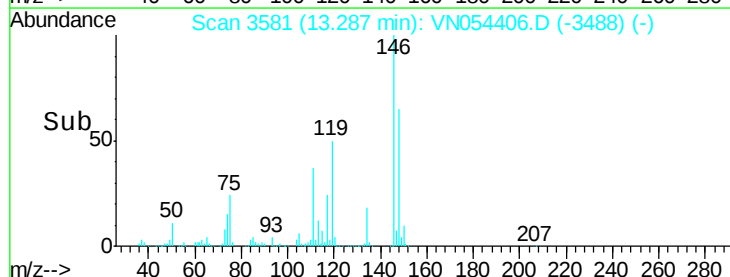
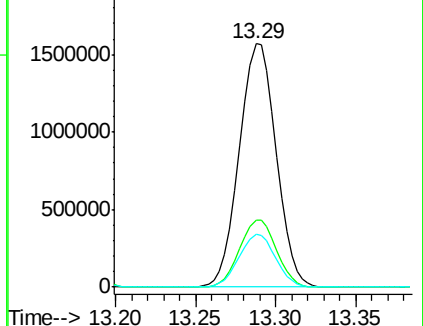
91 21.5 11.1 33.3

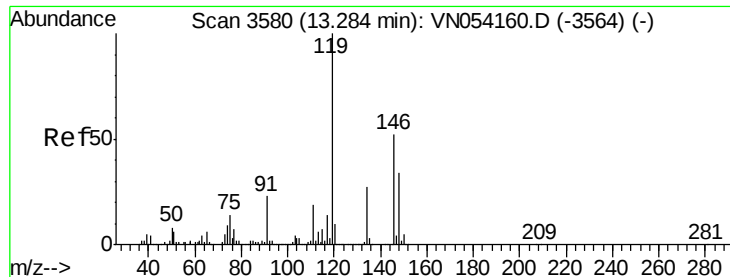


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.642 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

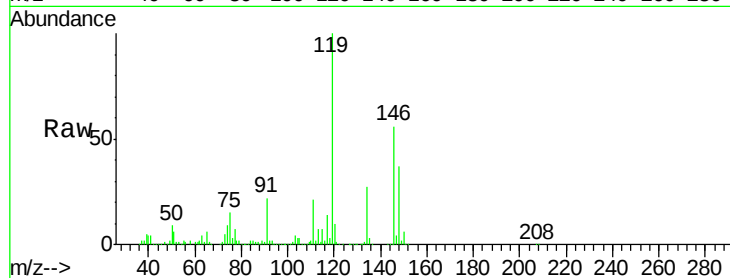
Tot Ion:146 Resp: 1362104

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.3

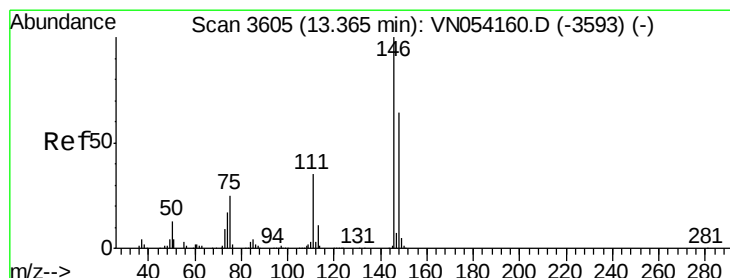
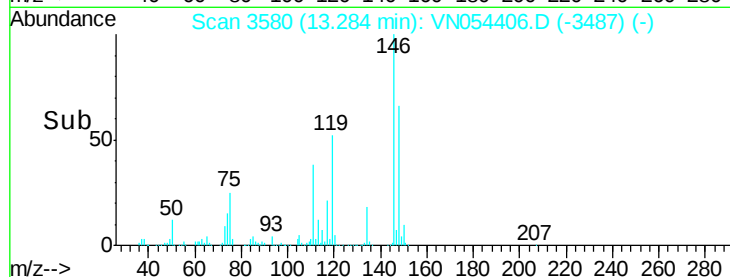
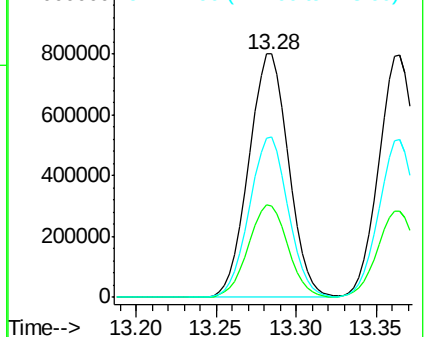
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.315 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

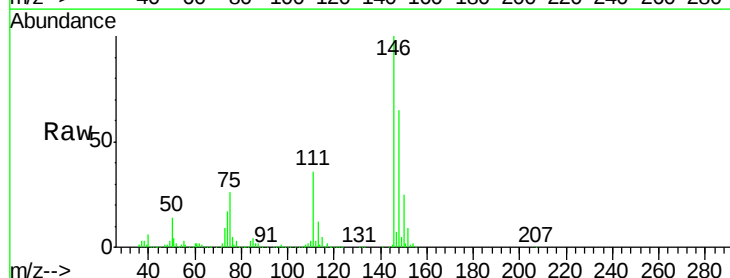
Tgt Ion:146 Resp: 1329607

Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.1

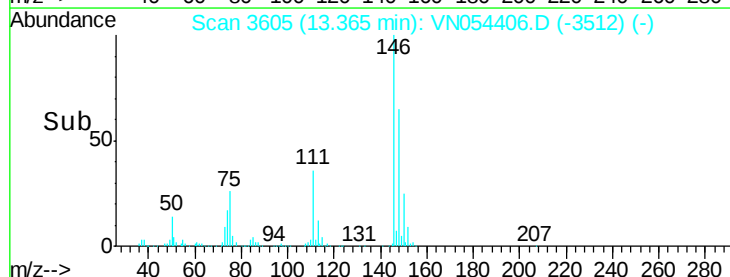
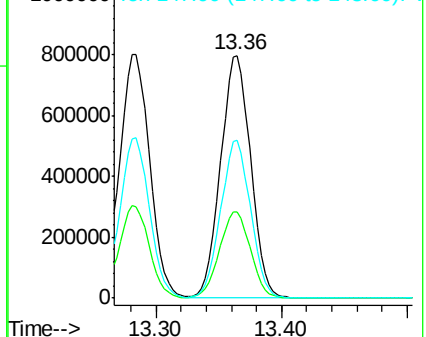
148 64.6 32.0 96.0

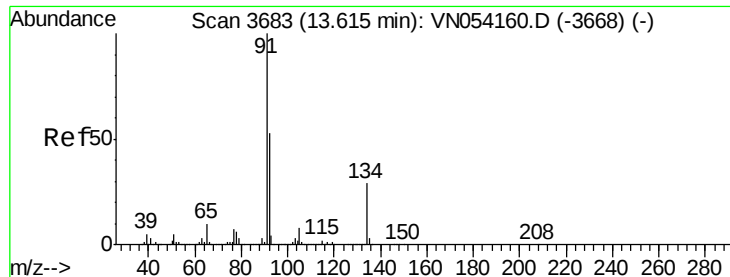


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.147 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

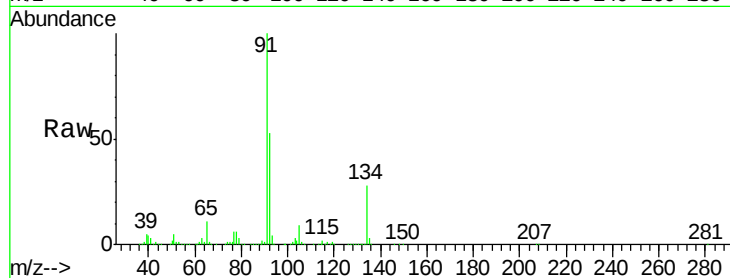
Tot Ion: 91 Resp: 1845819

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	28.3	14.3	42.9

91 100

92 52.5 26.2 78.6

134 28.3 14.3 42.9

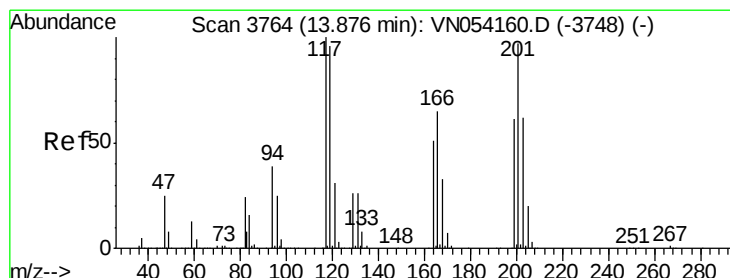
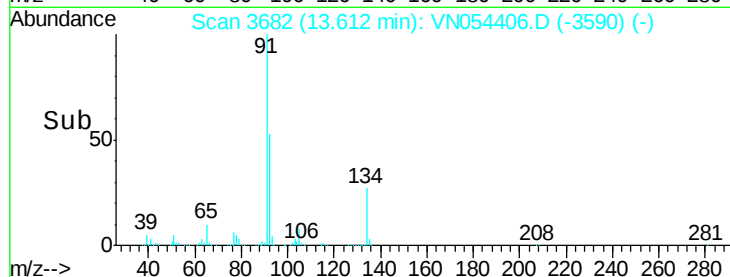


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 44.838 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054406.D

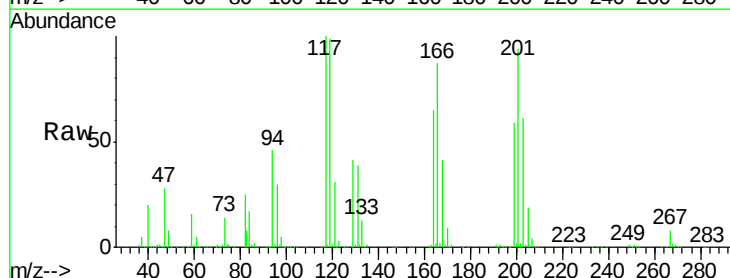
Acq: 18 Mar 2019 21:17

Tgt Ion: 117 Resp: 382555

Ion	Ratio	Lower	Upper
117	100		
201	94.8	48.1	144.4

117 100

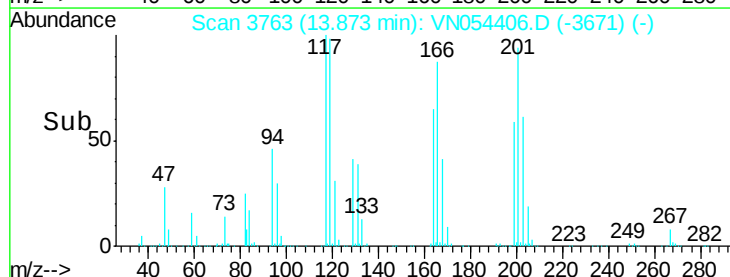
201 94.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->

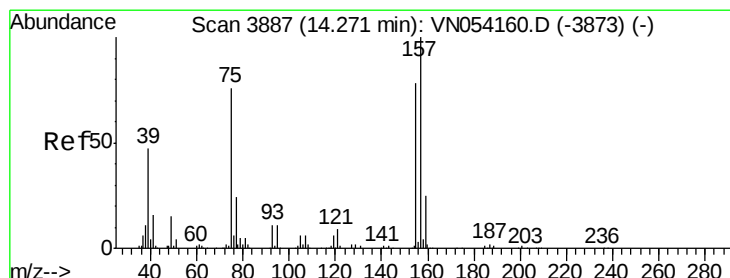
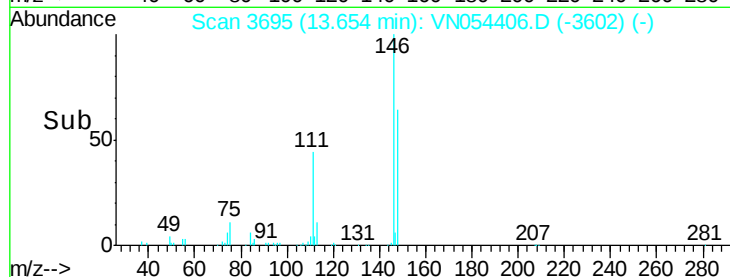
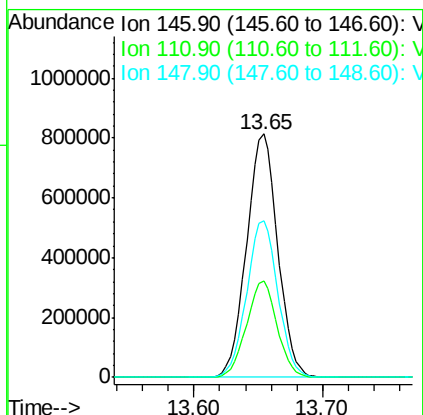
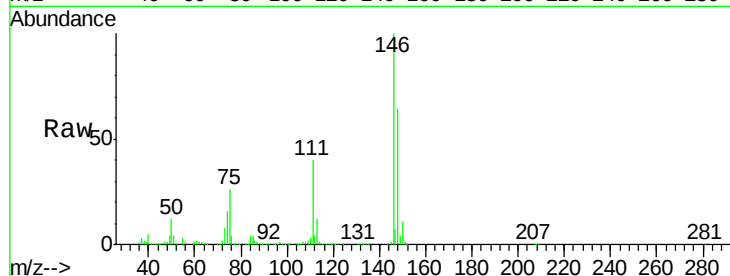




#91
 1,2-Dichlorobenzene
 Concen: 53.019 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

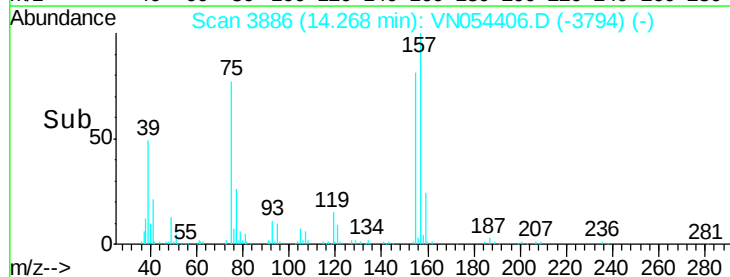
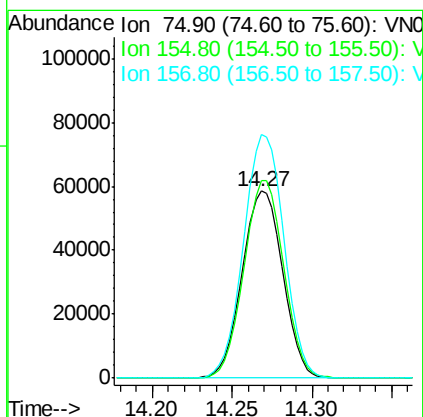
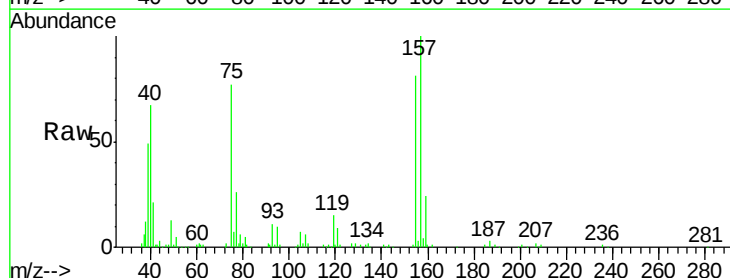
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

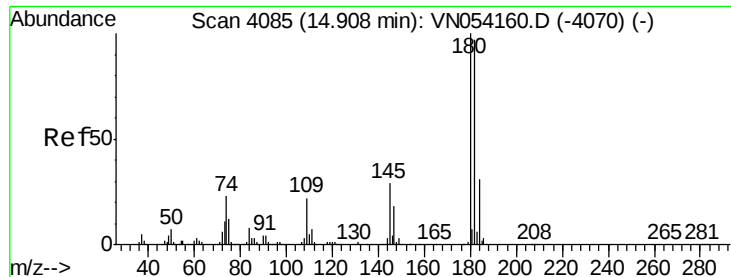
Tot Ion:146 Resp: 1367083
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.3
 148 64.4 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.069 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion: 75 Resp: 101546
 Ion Ratio Lower Upper
 75 100
 155 103.4 50.1 150.3
 157 129.5 63.1 189.3

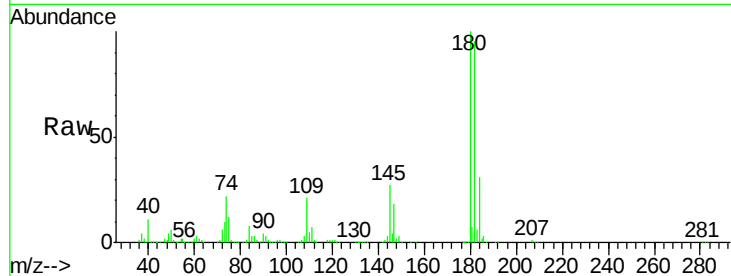




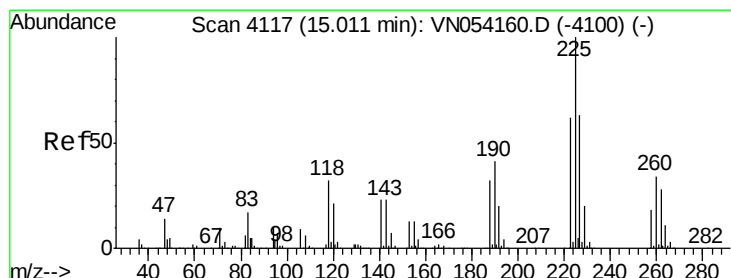
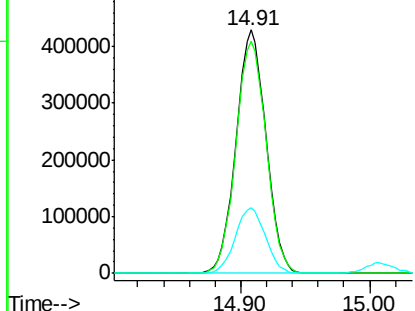
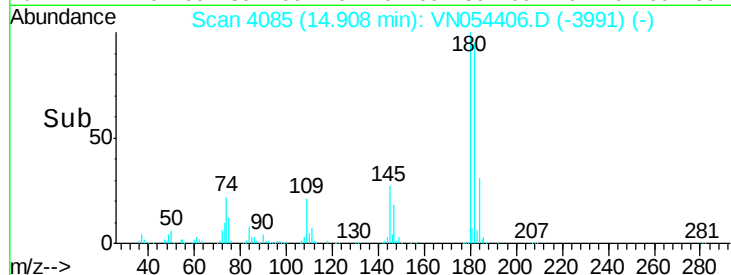
#93
 1,2,4-Trichlorobenzene
 Concen: 44.670 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	27.3	14.2	42.8

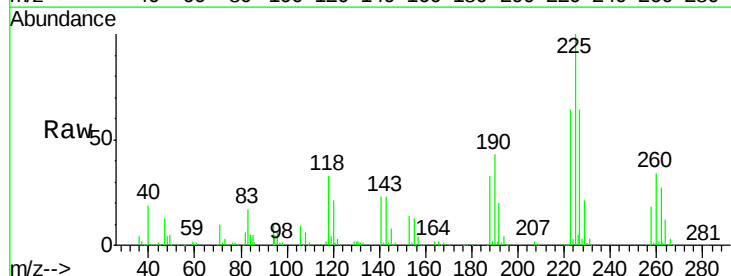


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

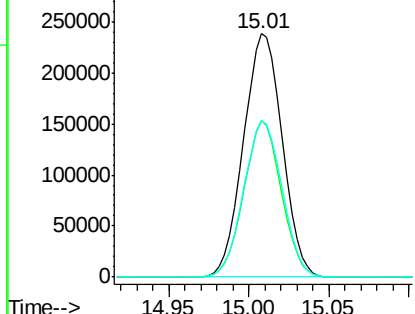
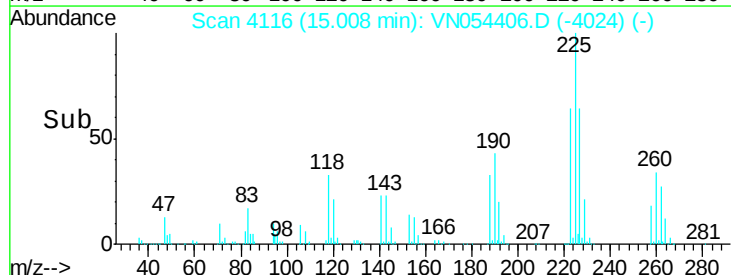


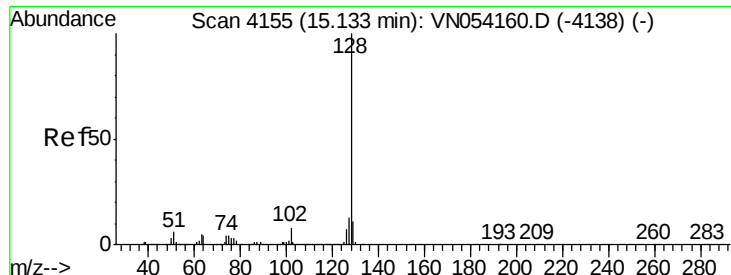
#94
 Hexachlorobutadiene
 Concen: 40.212 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.5
227	63.9	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.333 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

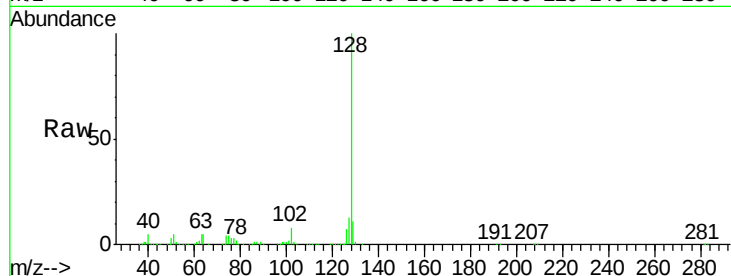
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1493639

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.7	13.1

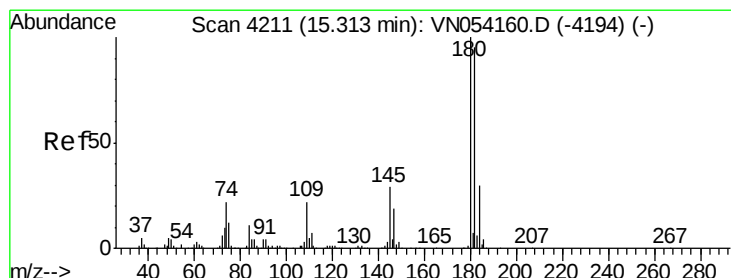
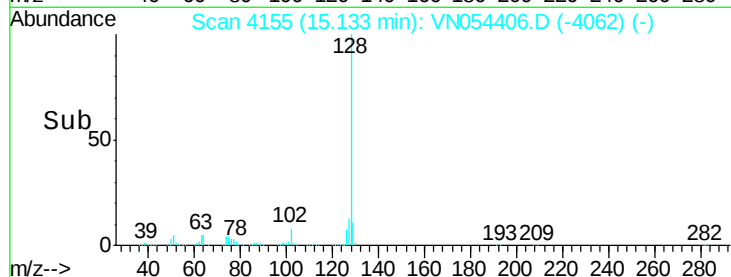
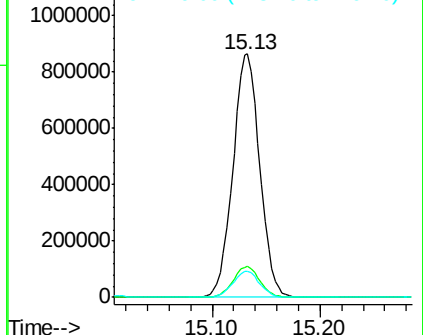


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 50.584 ug/l

RT: 15.31 min Scan# 4211

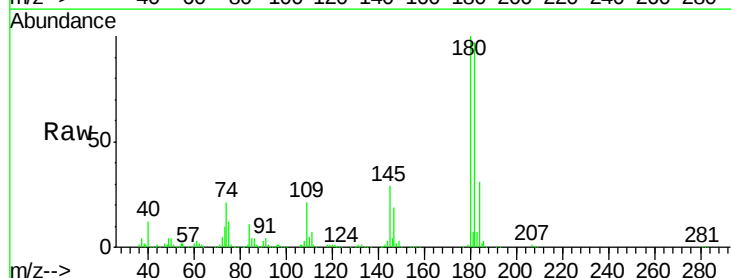
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:180 Resp: 693003

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	29.2	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

