

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060404.D
 Acq On : 9 Mar 2020 15:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 09 16:27:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	331672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125357	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.56	113	93735	60.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.78%	
50) Toluene-d8	10.08	98	370792	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	144871	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76204	40.88	ug/l	100
3) Chloromethane	2.04	50	136503	42.06	ug/l	99
4) Vinyl Chloride	2.16	62	110470	39.69	ug/l	99
5) Bromomethane	2.54	94	41698	36.58	ug/l	97
6) Chloroethane	2.68	64	63844	42.34	ug/l	94
7) Trichlorofluoromethane	3.00	101	153495	43.17	ug/l	99
8) Diethyl Ether	3.38	74	59795	44.54	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90056	44.75	ug/l	100
10) Methyl Iodide	3.92	142	73131	39.82	ug/l	99
11) Tert butyl alcohol	4.73	59	76005	196.24	ug/l	99
12) 1,1-Dichloroethene	3.71	96	86924	44.50	ug/l	99
13) Acrolein	3.57	56	91828	254.15	ug/l	99
14) Allyl chloride	4.29	41	151504	42.07	ug/l	92
15) Acrylonitrile	4.94	53	240729	235.81	ug/l	99
16) Acetone	3.78	43	190333	225.97	ug/l	97
17) Carbon Disulfide	4.03	76	216439	41.64	ug/l	100
18) Methyl Acetate	4.28	43	123443	43.92	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	332450	46.88	ug/l	99
20) Methylene Chloride	4.52	84	101270	43.78	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	95302	45.38	ug/l	99
22) Diisopropyl ether	5.91	45	355520	48.74	ug/l	100
23) Vinyl Acetate	5.85	43	1399783	241.50	ug/l	99
24) 1,1-Dichloroethane	5.82	63	194389	47.08	ug/l	99
25) 2-Butanone	6.80	43	313082	230.12	ug/l	98
26) 2,2-Dichloropropane	6.79	77	165606	44.06	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	117669	43.87	ug/l	99
28) Bromochloromethane	7.17	49	80786	47.65	ug/l	97
29) Tetrahydrofuran	7.18	42	212949	225.09	ug/l	99
30) Chloroform	7.35	83	196327	47.76	ug/l	99
31) Cyclohexane	7.63	56	164407	46.57	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	171365	47.05	ug/l	99
36) 1,1-Dichloropropene	7.77	75	140638	44.49	ug/l	99
37) Ethyl Acetate	6.89	43	138698	46.34	ug/l	99
38) Carbon Tetrachloride	7.75	117	140313	45.59	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161925	43.45	ug/l	98
40) Benzene	8.02	78	428854	46.61	ug/l	100
41) Methacrylonitrile	7.18	41	198588	143.69	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	158503	47.74	ug/l	100
43) Isopropyl Acetate	8.14	43	247913	47.31	ug/l	100
44) Trichloroethene	8.82	130	115409	45.04	ug/l	99
45) 1,2-Dichloropropane	9.10	63	119360	49.62	ug/l	100
46) Dibromomethane	9.19	93	73213	46.91	ug/l	99
47) Bromodichloromethane	9.38	83	158594	49.96	ug/l	99
48) Methyl methacrylate	9.18	41	109570	45.86	ug/l	99
49) 1,4-Dioxane	9.18	88	27126	807.27	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	699720	235.52	ug/l	100
52) Toluene	10.14	92	269114	46.57	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	181256	46.60	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	189126	46.92	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108403	46.64	ug/l	99
56) Ethyl methacrylate	10.42	69	164770	49.35	ug/l	99
57) 1,3-Dichloropropane	10.70	76	183693	48.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	423201	242.34	ug/l	99
59) 2-Hexanone	10.74	43	501846	230.07	ug/l	99
60) Dibromochloromethane	10.89	129	117422	49.68	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106392	46.96	ug/l	99
64) Tetrachloroethene	10.62	164	115907	47.12	ug/l	99
65) Chlorobenzene	11.43	112	283199	44.97	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	109452	47.00	ug/l	99
67) Ethyl Benzene	11.50	91	531545	46.35	ug/l	100
68) m/p-Xylenes	11.61	106	395968	91.51	ug/l	100
69) o-Xylene	11.94	106	192871	46.74	ug/l	97
70) Styrene	11.96	104	319173	47.05	ug/l	100
71) Bromoform	12.12	173	81571	48.60	ug/l #	99
73) Isopropylbenzene	12.24	105	523126	45.60	ug/l	99
74) N-amyl acetate	12.06	43	225883	45.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	148127	47.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202277	59.56	ug/l #	100
77) Bromobenzene	12.52	156	126183	44.87	ug/l	100
78) n-propylbenzene	12.59	91	613685	45.63	ug/l	100
79) 2-Chlorotoluene	12.67	91	356895	45.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	442974	45.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54631	44.41	ug/l #	85
82) 4-Chlorotoluene	12.77	91	372965	44.78	ug/l	99
83) tert-Butylbenzene	12.99	119	371453	44.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	444719	45.61	ug/l	99
85) sec-Butylbenzene	13.17	105	503991	45.00	ug/l	100
86) p-Isopropyltoluene	13.28	119	455150	43.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	230871	47.77	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	228249	47.49	ug/l	99
89) n-Butylbenzene	13.61	91	418270	43.96	ug/l	99
90) Hexachloroethane	13.87	117	63250	42.16	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	220087	44.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30291	42.89	ug/l	97

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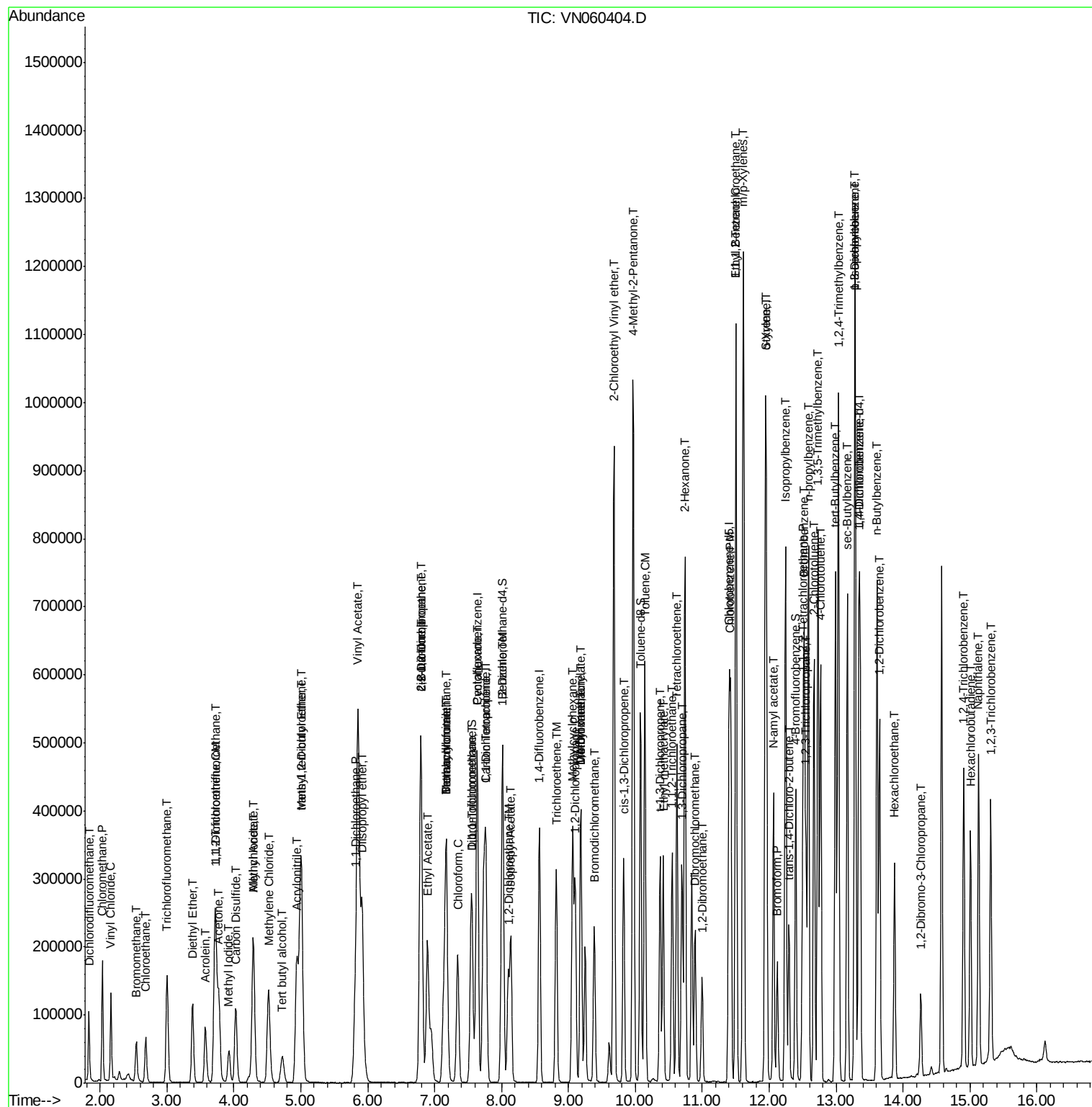
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140224	44.79	ug/l	100
94) Hexachlorobutadiene	15.01	225	65858	45.71	ug/l	98
95) Naphthalene	15.13	128	391954	42.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129049	43.74	ug/l	99

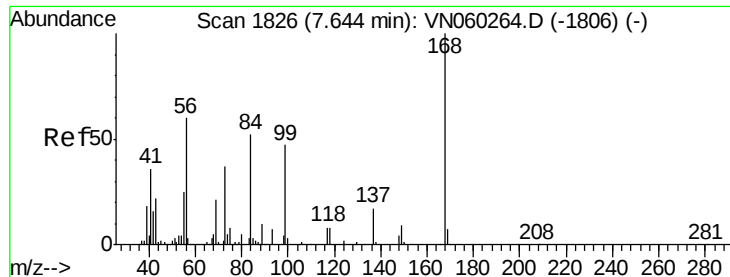
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

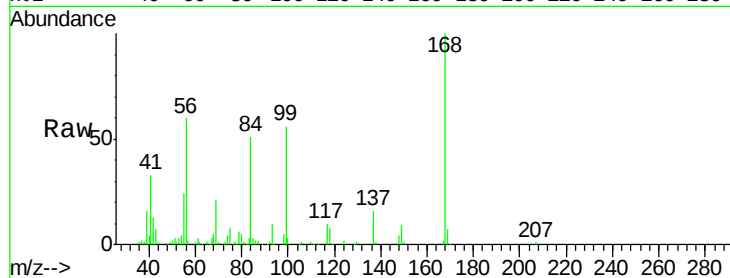
VSTDCCC050EC

Tgt Ion:168 Resp: 203294

Ion Ratio Lower Upper

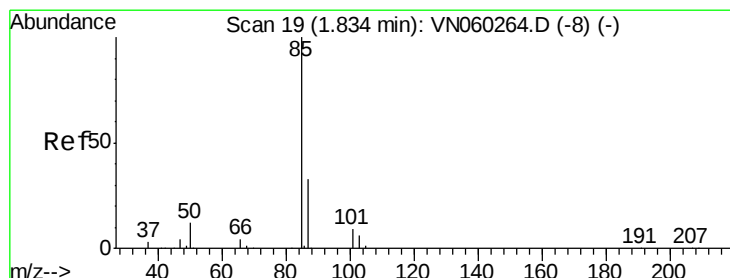
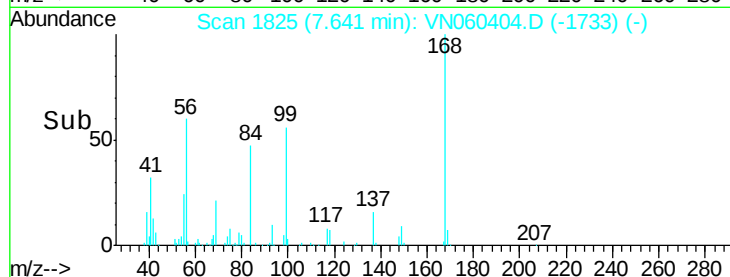
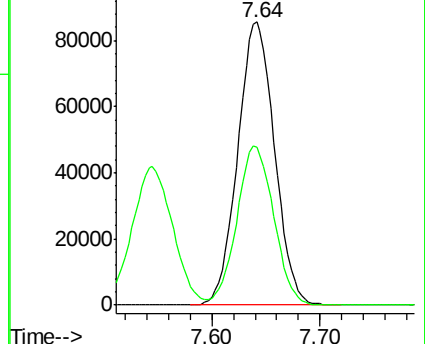
168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 40.88 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060404.D

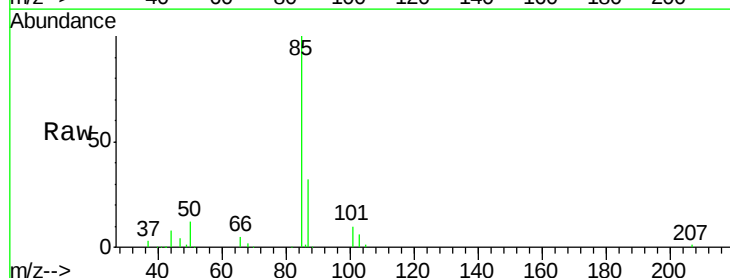
Acq: 9 Mar 2020 15:56

Tgt Ion: 85 Resp: 76204

Ion Ratio Lower Upper

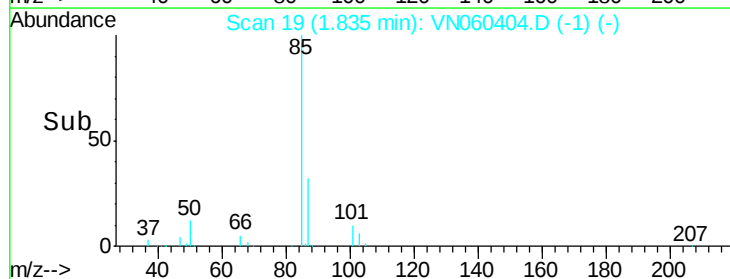
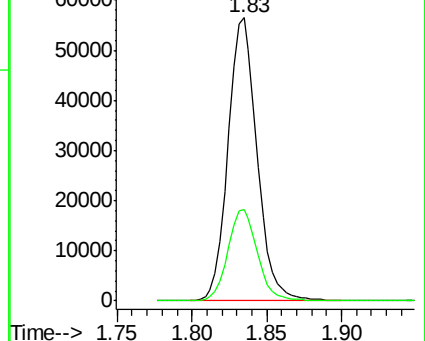
85 100

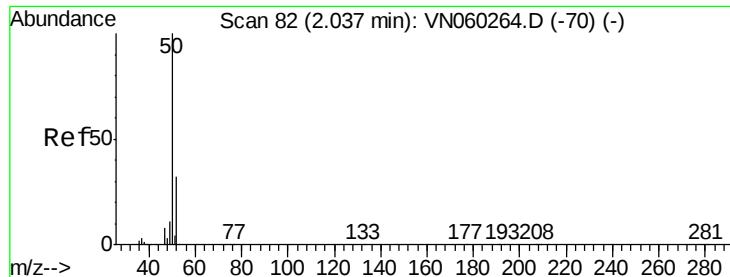
87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

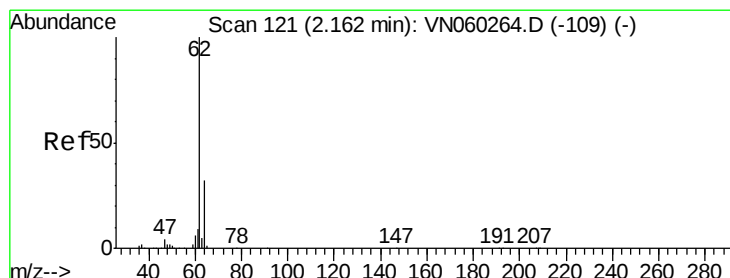
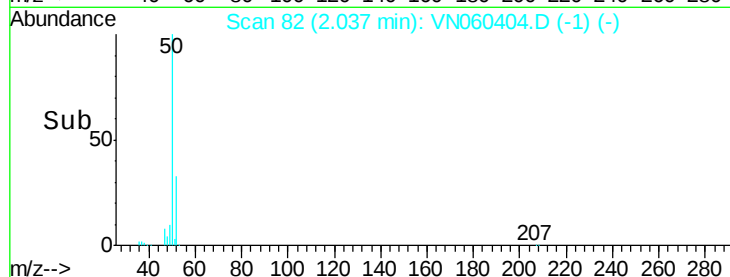
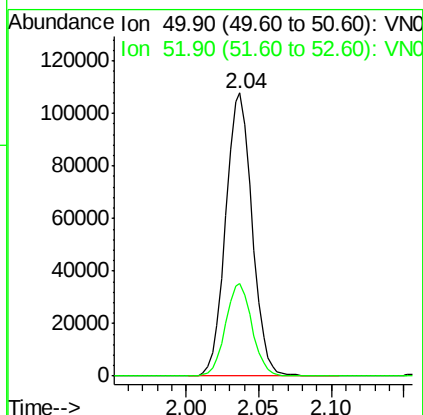
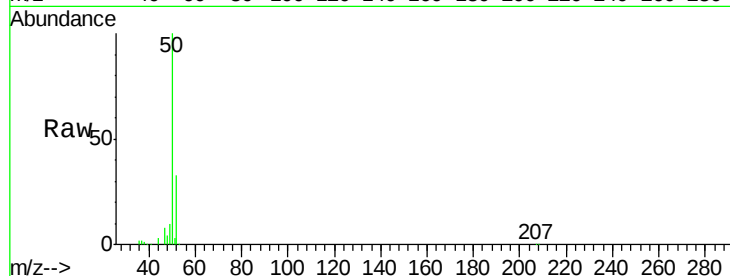




#3
Chloromethane
Concen: 42.06 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

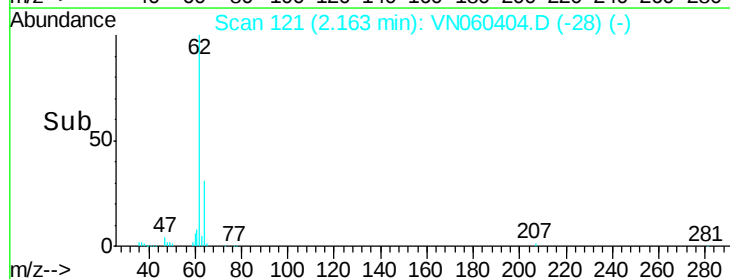
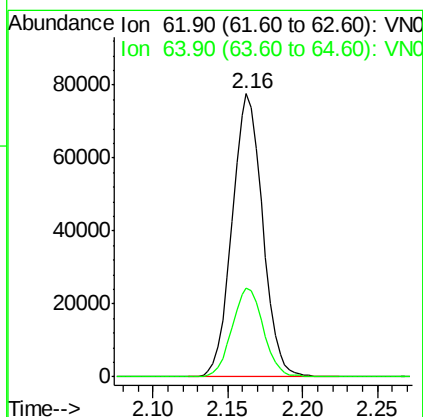
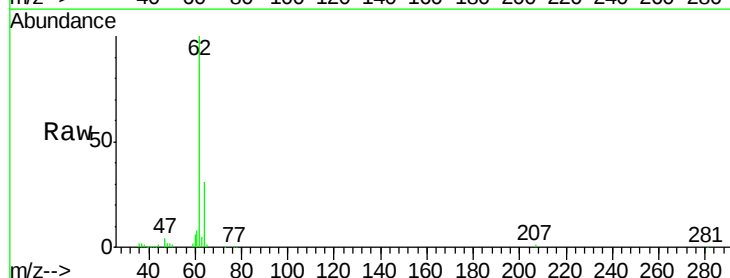
Instrument :
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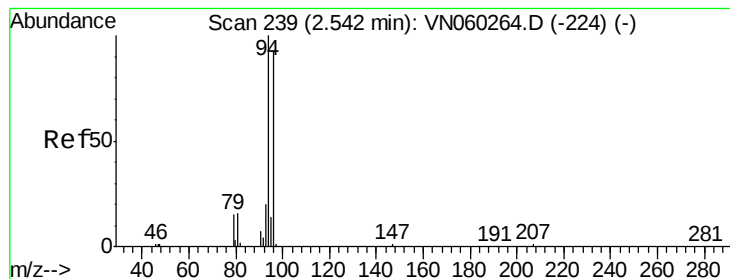
Tgt Ion: 50 Resp: 136503
Ion Ratio Lower Upper
50 100
52 32.5 25.6 38.4



#4
Vinyl Chloride
Concen: 39.69 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 62 Resp: 110470
Ion Ratio Lower Upper
62 100
64 31.5 25.5 38.3





#5

Bromomethane

Concen: 36.58 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

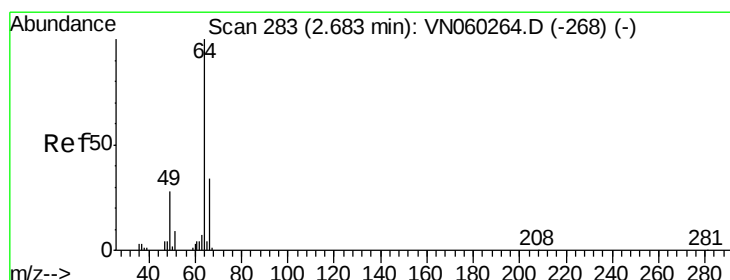
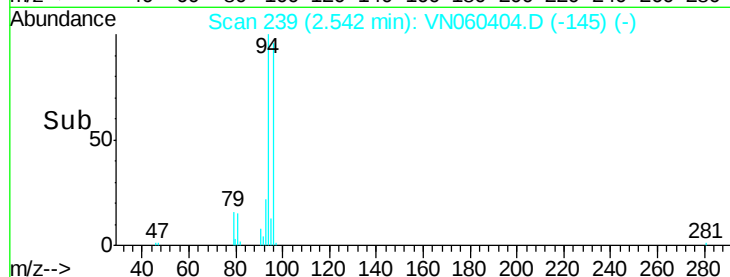
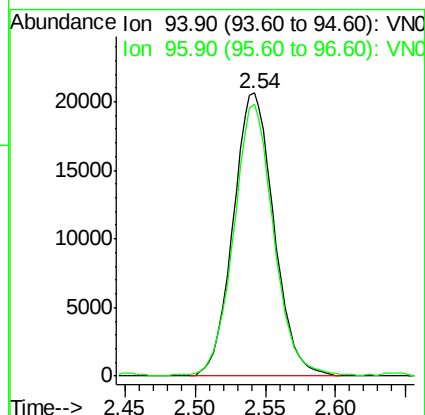
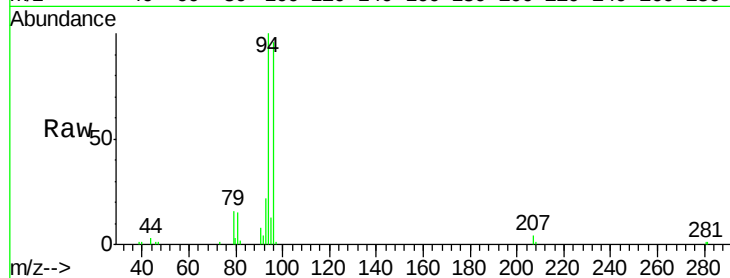
VSTDCCC050EC

Tgt Ion: 94 Resp: 41698

Ion Ratio Lower Upper

94 100

96 95.3 74.3 111.5



#6

Chloroethane

Concen: 42.34 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060404.D

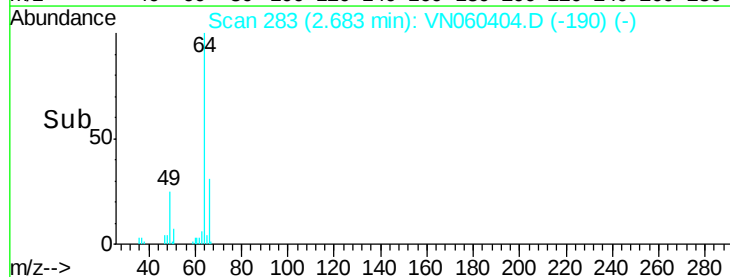
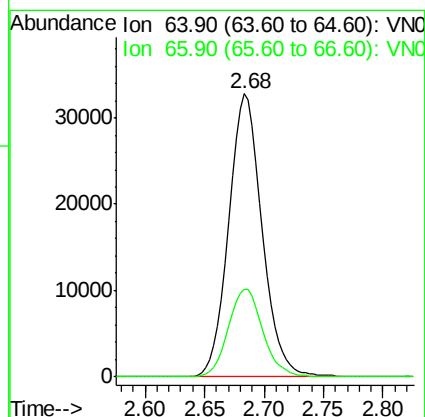
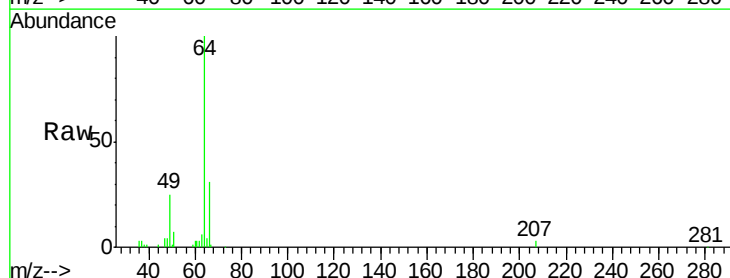
Acq: 9 Mar 2020 15:56

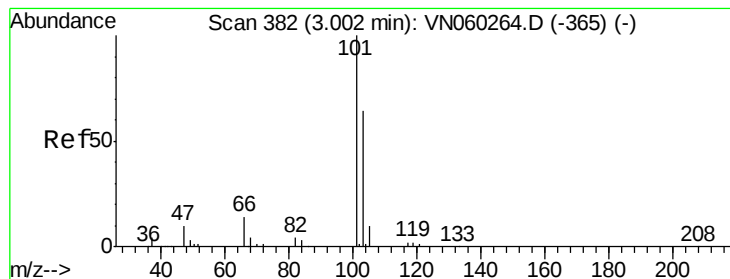
Tgt Ion: 64 Resp: 63844

Ion Ratio Lower Upper

64 100

66 31.0 27.4 41.2



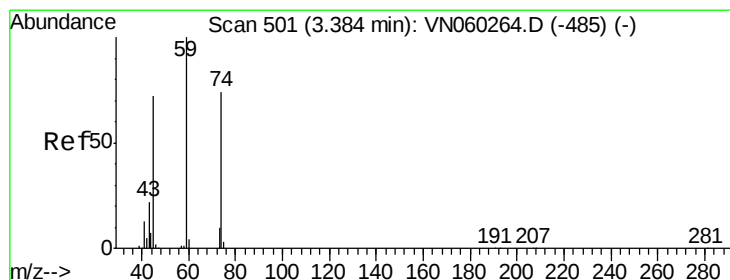
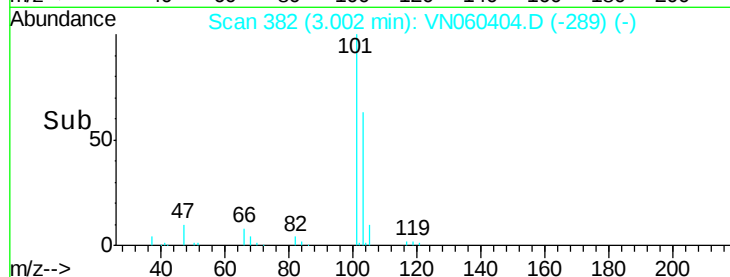
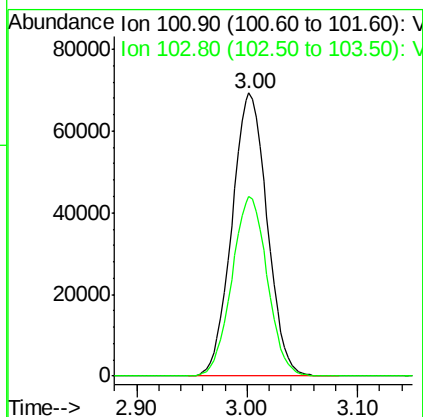
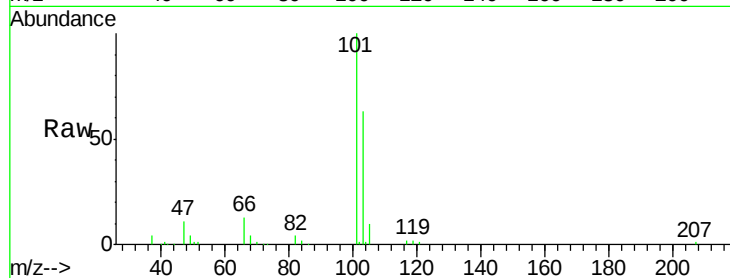


#7

Trichlorofluoromethane
 Concen: 43.17 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Instrument :
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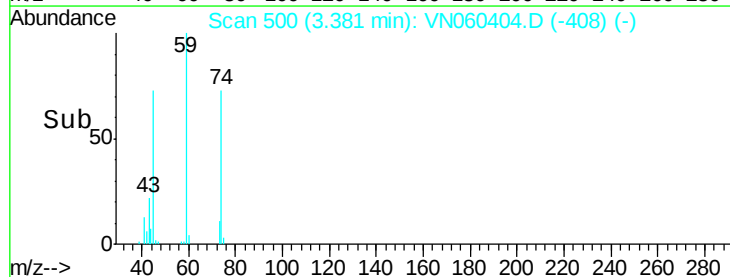
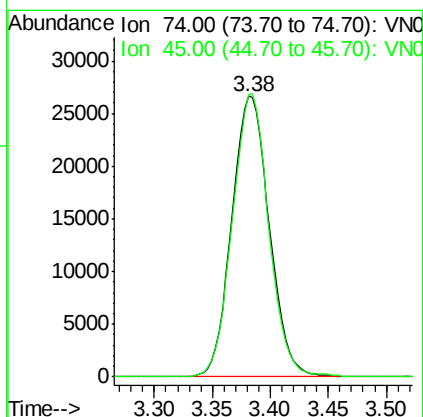
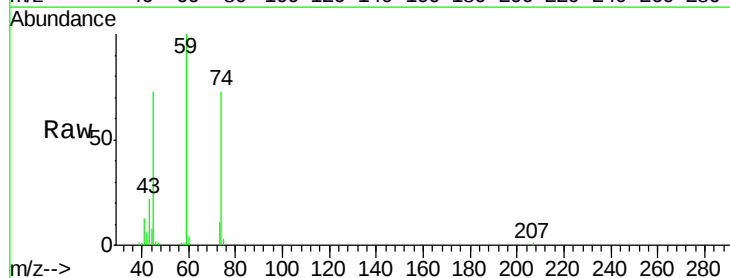
Tgt Ion:101 Resp: 153495
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.3 76.9

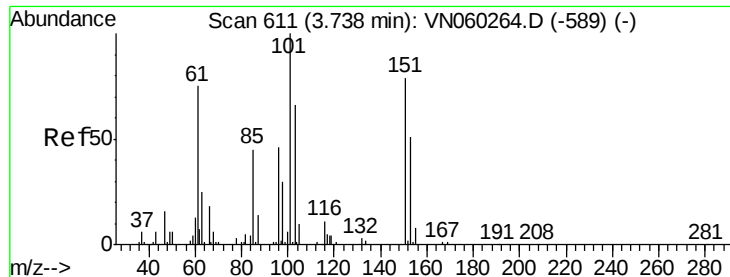


#8

Diethyl Ether
 Concen: 44.54 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 74 Resp: 59795
 Ion Ratio Lower Upper
 74 100
 45 98.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.75 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

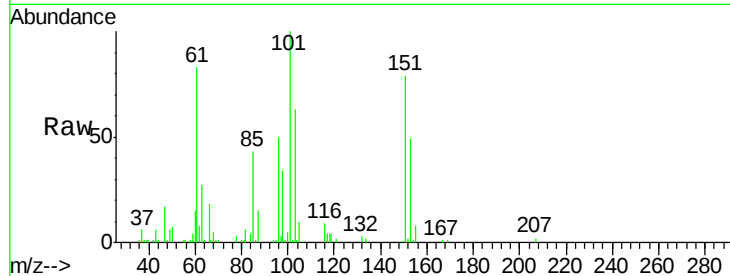
Tgt Ion:101 Resp: 90056

Ion Ratio Lower Upper

101 100

85 44.7 35.4 53.2

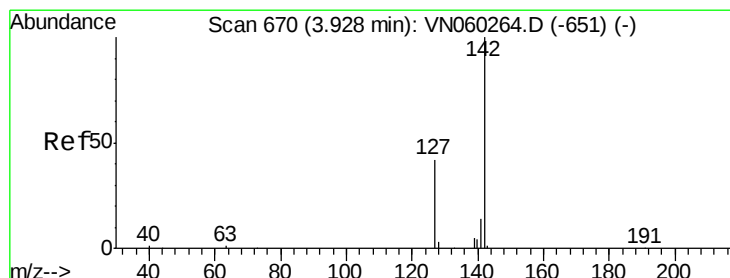
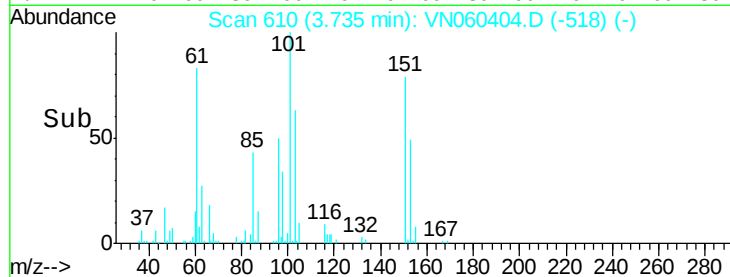
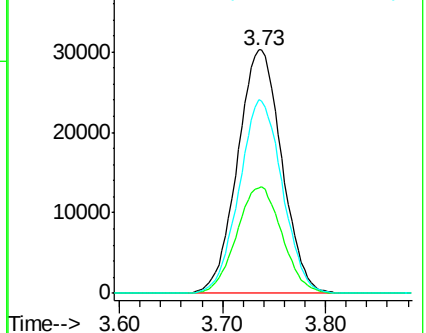
151 77.6 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.82 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

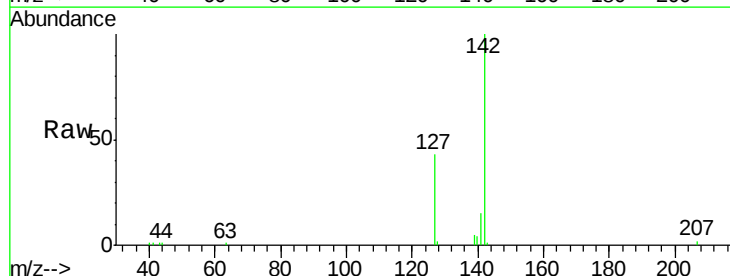
Tgt Ion:142 Resp: 73131

Ion Ratio Lower Upper

142 100

127 42.7 33.8 50.6

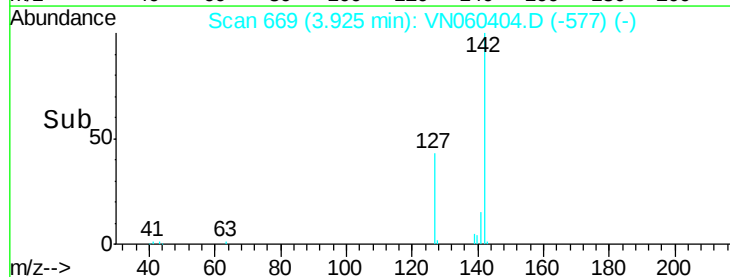
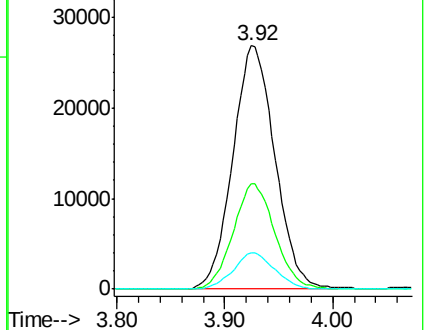
141 14.5 11.1 16.7

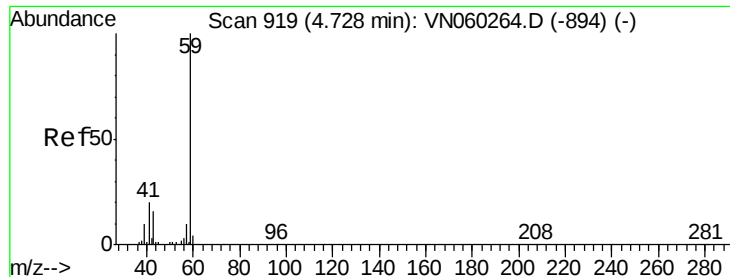


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

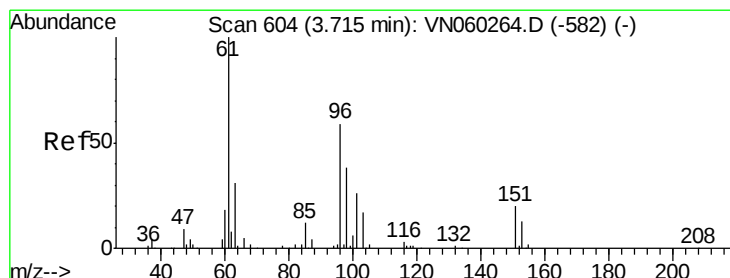
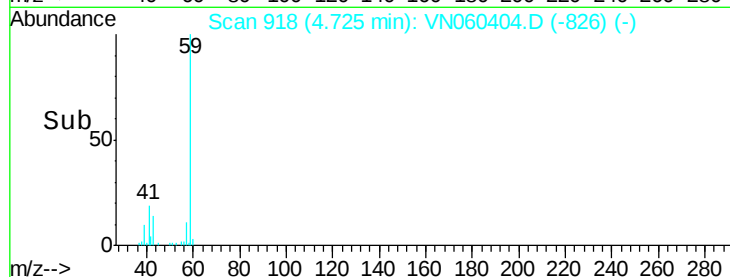
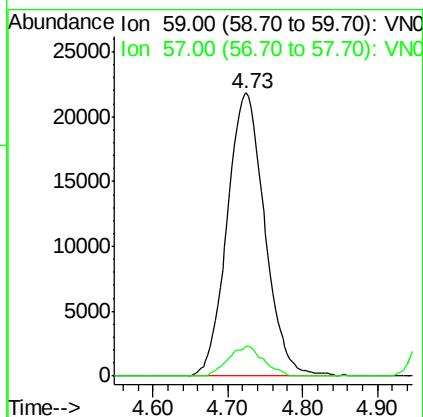
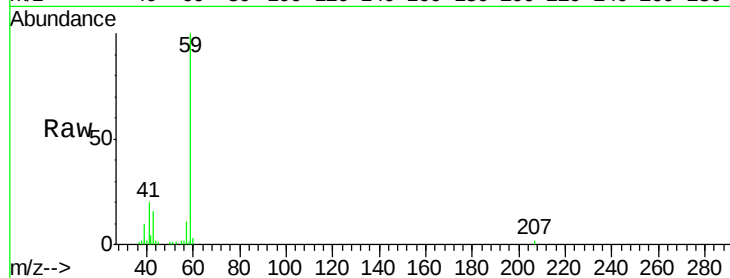




#11
Tert butyl alcohol
Concen: 196.24 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

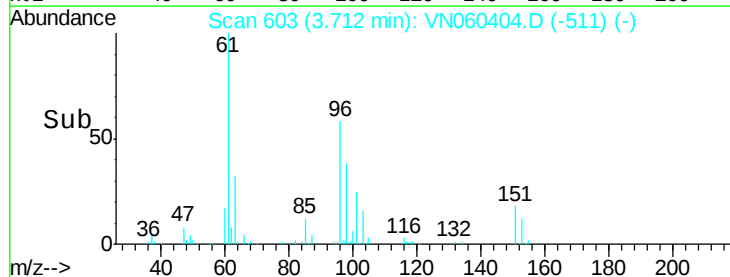
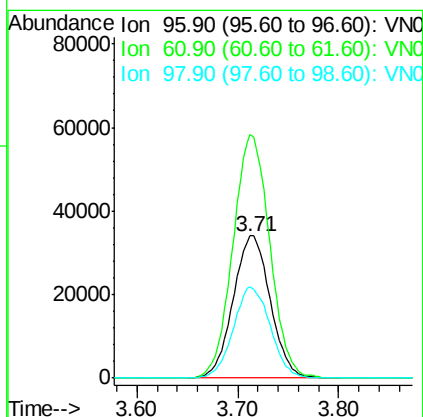
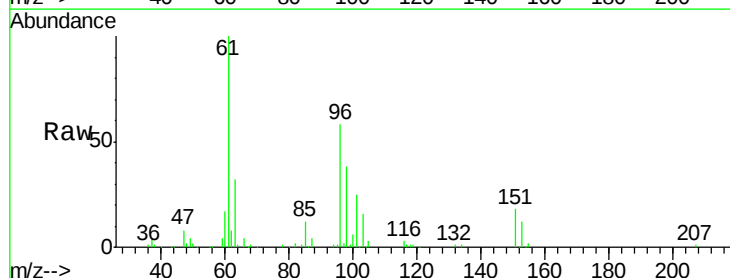
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

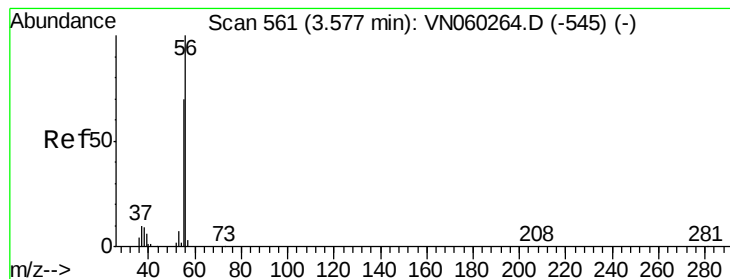
Tgt Ion: 59 Resp: 76005
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 44.50 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 96 Resp: 86924
Ion Ratio Lower Upper
96 100
61 171.4 135.4 203.0
98 64.5 51.6 77.4





#13

Acrolein

Concen: 254.15 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

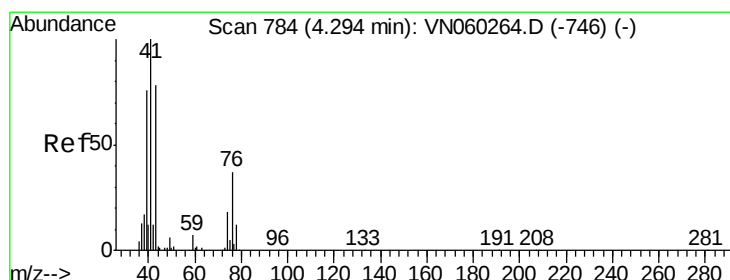
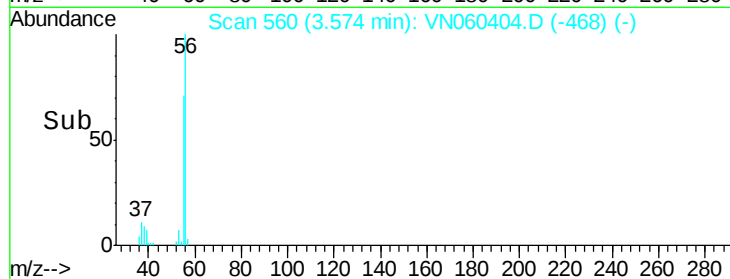
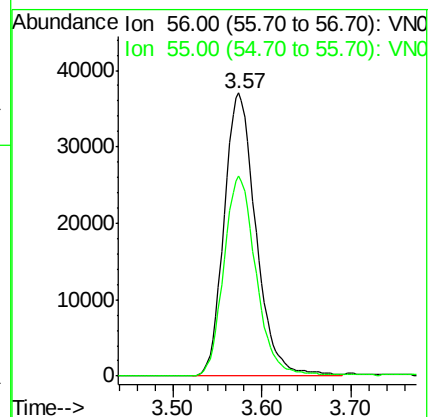
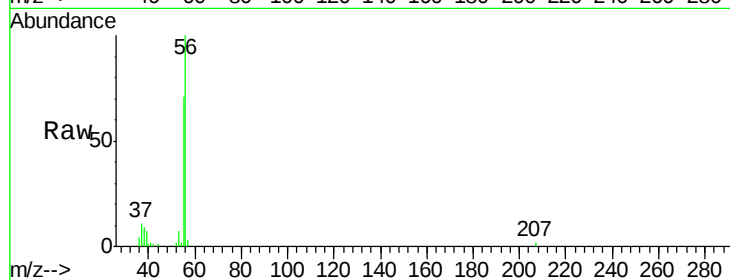
VSTDCCC050EC

Tgt Ion: 56 Resp: 91828

Ion Ratio Lower Upper

56 100

55 71.3 57.4 86.0



#14

Allyl chloride

Concen: 42.07 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

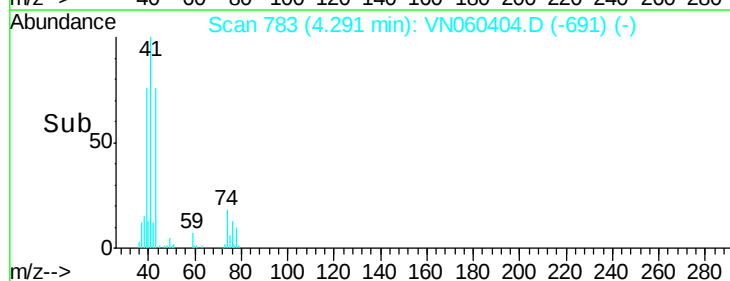
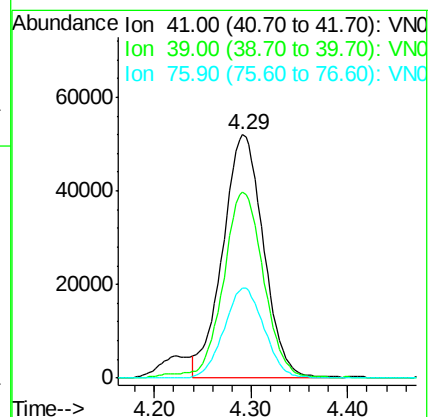
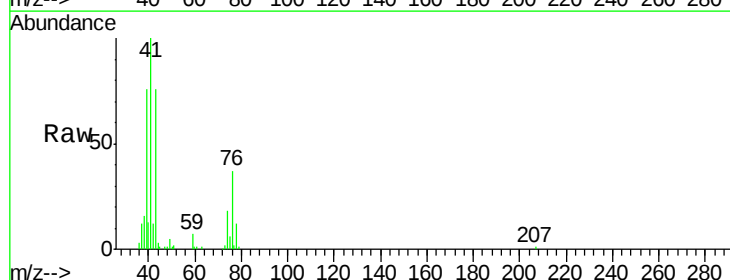
Tgt Ion: 41 Resp: 151504

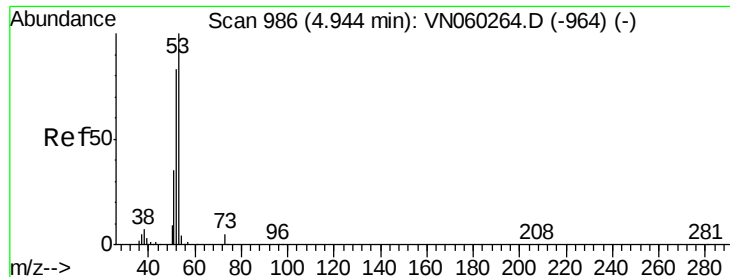
Ion Ratio Lower Upper

41 100

39 76.8 55.4 83.2

76 36.6 27.0 40.6





#15

Acrylonitrile

Concen: 235.81 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

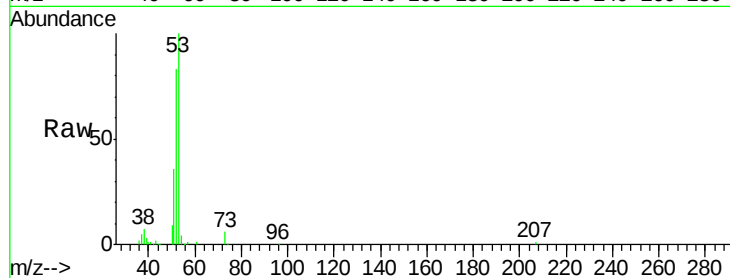
Tgt Ion: 53 Resp: 240729

Ion Ratio Lower Upper

53 100

52 82.1 66.8 100.2

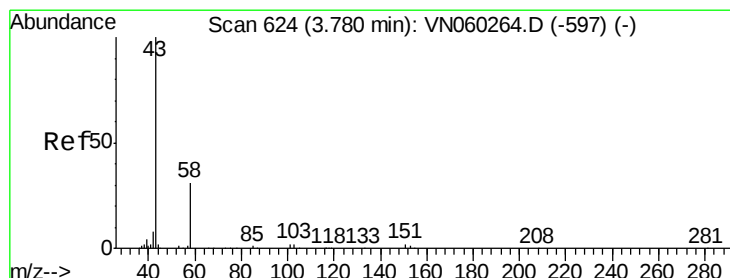
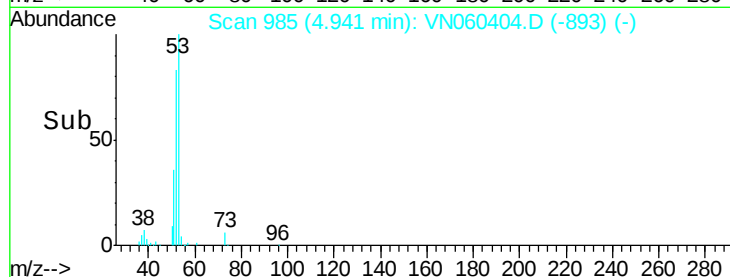
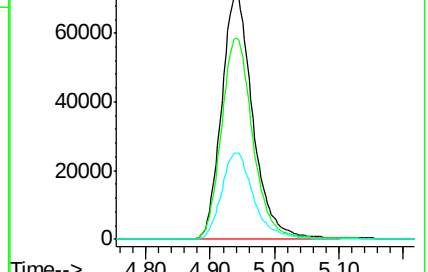
51 36.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060404.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060404.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060404.D (-964) (-)



#16

Acetone

Concen: 225.97 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060404.D

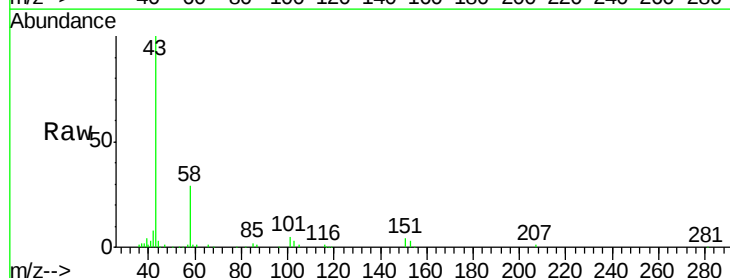
Acq: 9 Mar 2020 15:56

Tgt Ion: 43 Resp: 190333

Ion Ratio Lower Upper

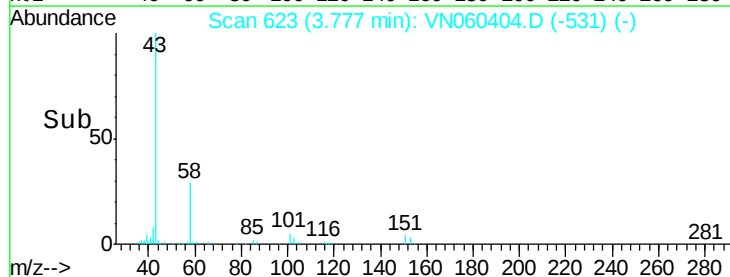
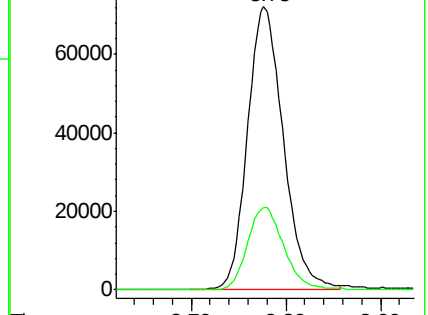
43 100

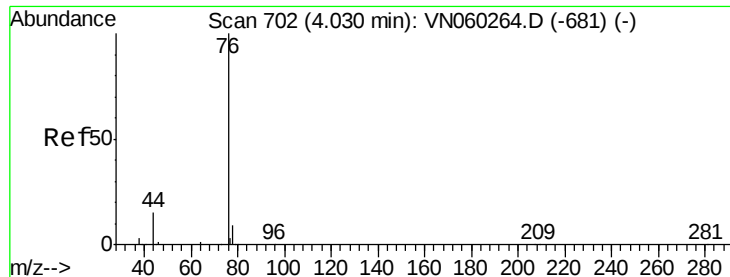
58 29.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060404.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060404.D (-597) (-)

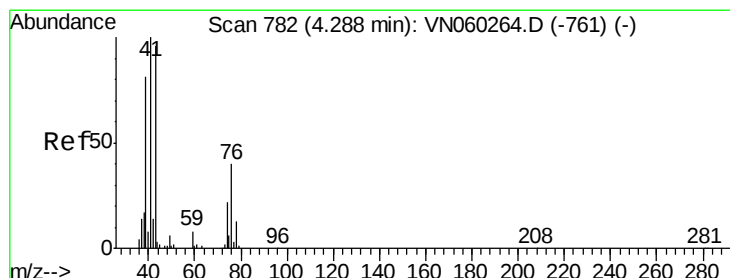
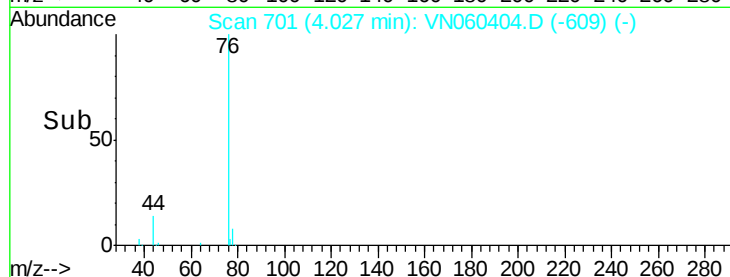
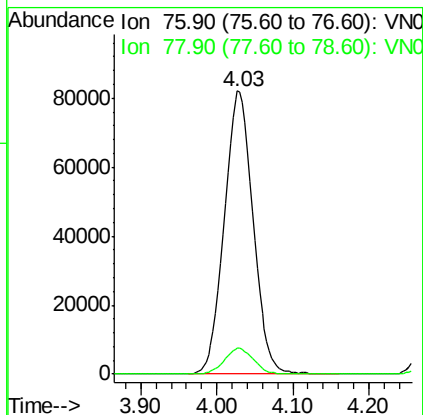
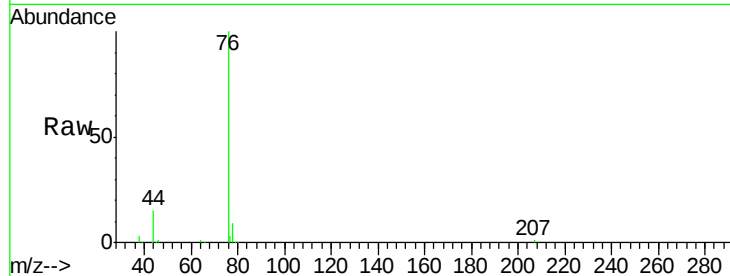




#17
Carbon Disulfide
Concen: 41.64 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

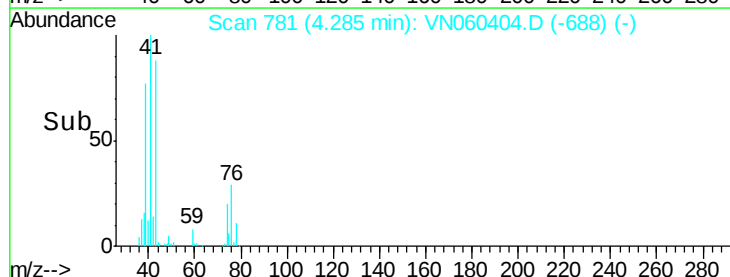
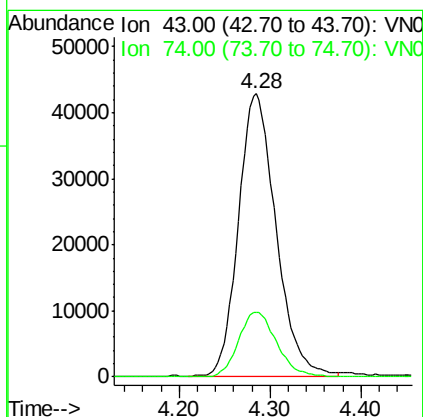
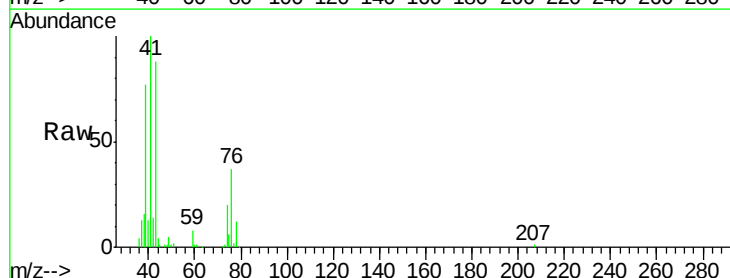
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

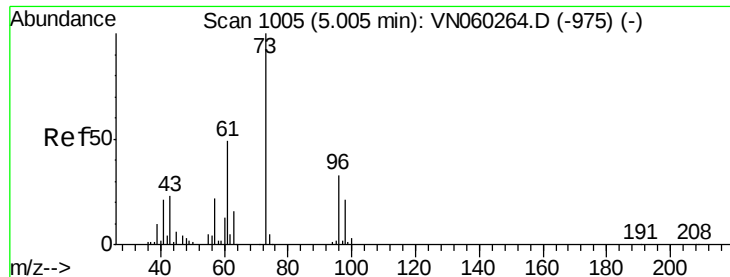
Tgt Ion: 76 Resp: 216439
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 43.92 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 43 Resp: 123443
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2

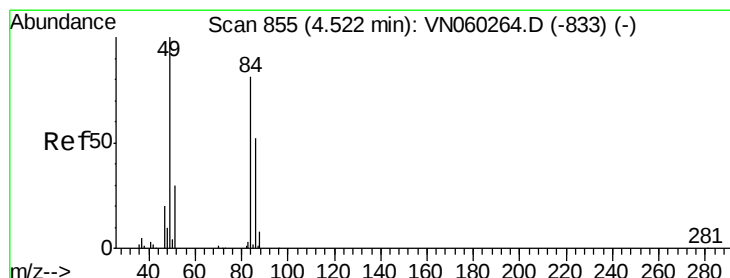
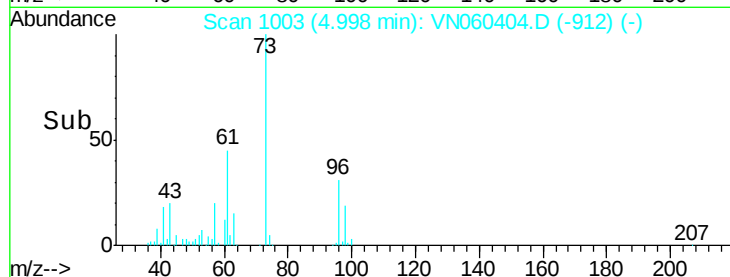
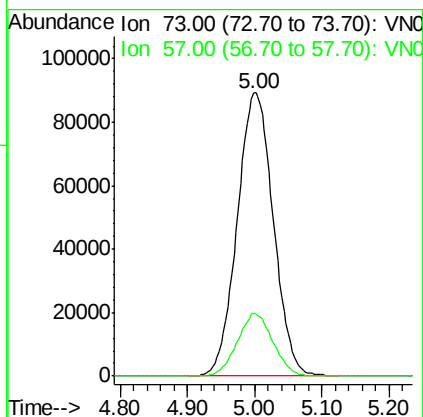
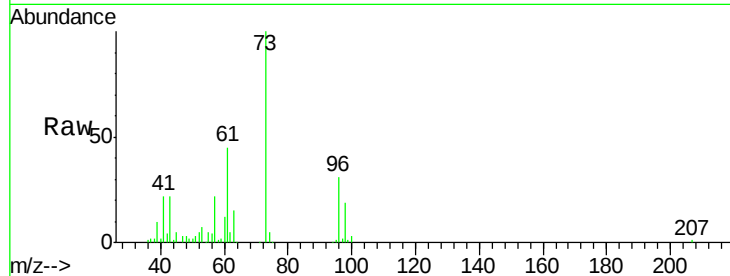




#19
Methyl tert-butyl Ether
Concen: 46.88 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

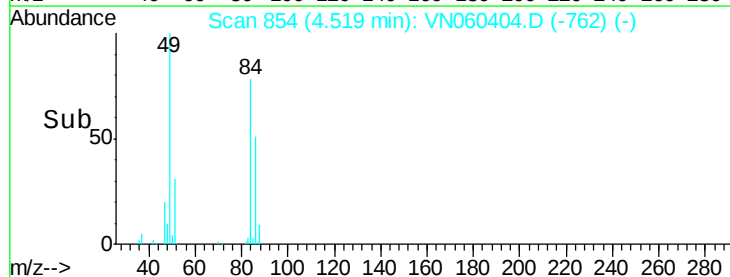
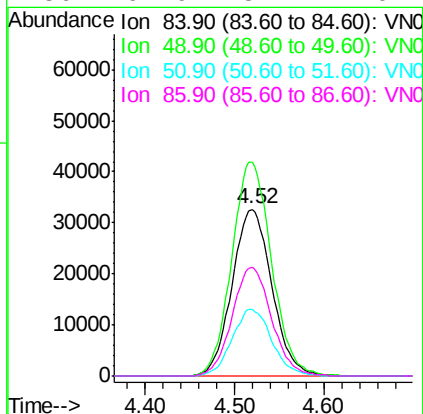
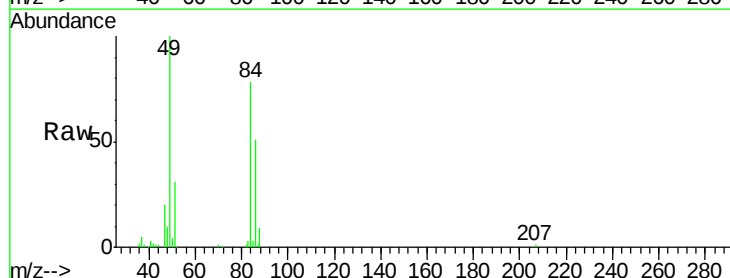
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

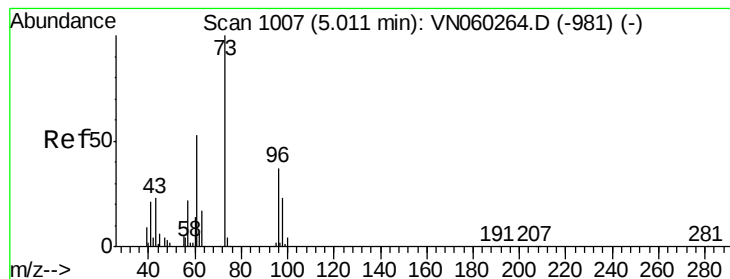
Tgt Ion: 73 Resp: 332450
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9



#20
Methylene Chloride
Concen: 43.78 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 84 Resp: 101270
Ion Ratio Lower Upper
84 100
49 127.7 99.3 148.9
51 39.6 30.1 45.1
86 64.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.38 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

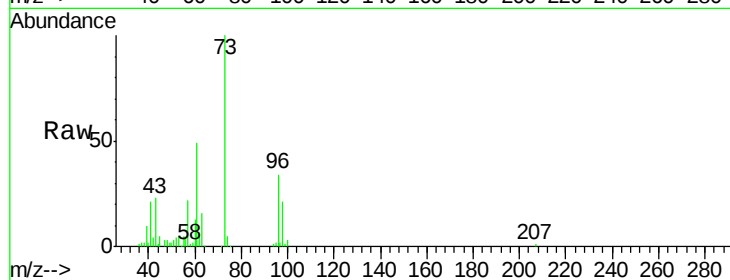
Tgt Ion: 96 Resp: 95302

Ion Ratio Lower Upper

96 100

61 144.3 113.8 170.8

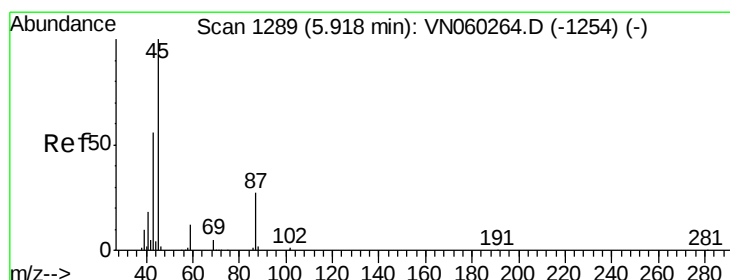
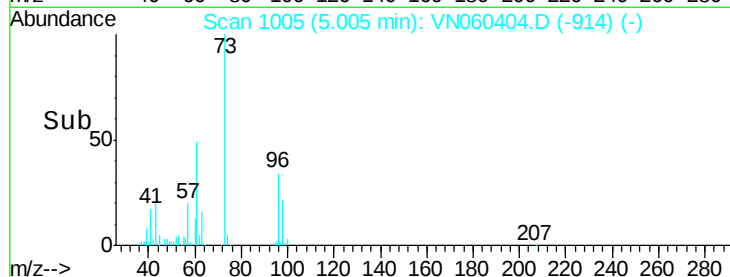
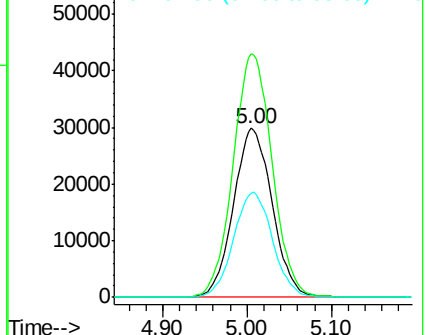
98 61.6 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN060404.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060404.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060404.D (-914) (-)



#22

Diisopropyl ether

Concen: 48.74 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion: 45 Resp: 355520

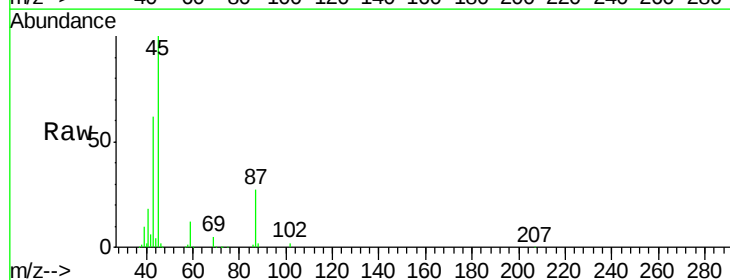
Ion Ratio Lower Upper

45 100

43 60.9 48.6 72.8

87 27.1 22.2 33.2

59 11.9 9.5 14.3

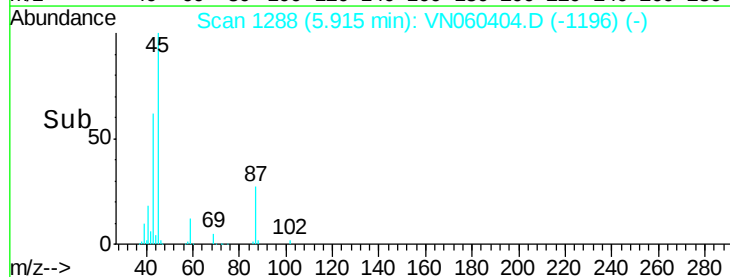
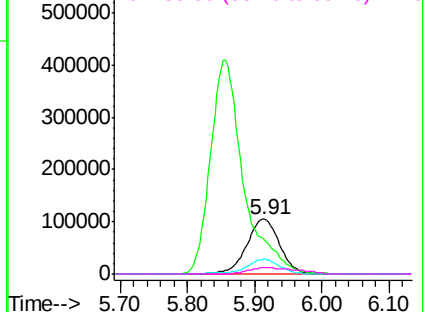


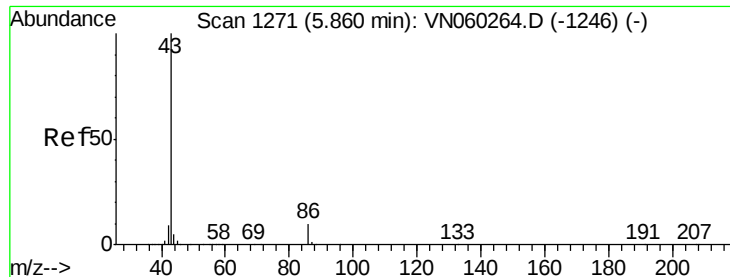
Abundance Ion 45.00 (44.70 to 45.70): VN060404.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN060404.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN060404.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN060404.D (-1196) (-)





#23

Vinyl Acetate

Concen: 241.50 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

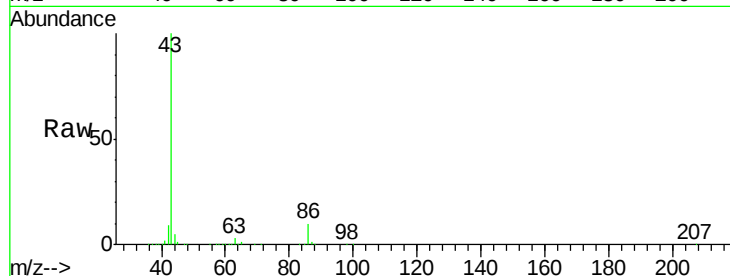
VSTDCCC050EC

Tgt Ion: 43 Resp: 1399783

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060404.D (-1269) (-)

Ion 86.00 (85.70 to 86.70): VN060404.D (-1269) (-)

5.85

400000

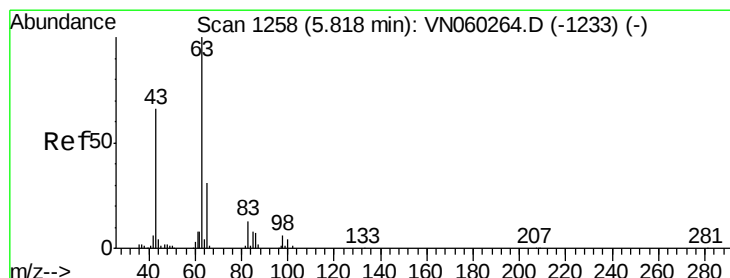
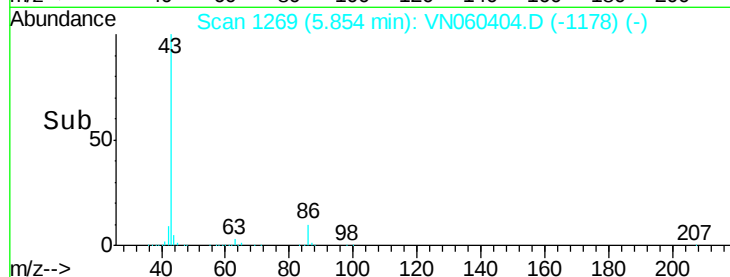
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.08 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

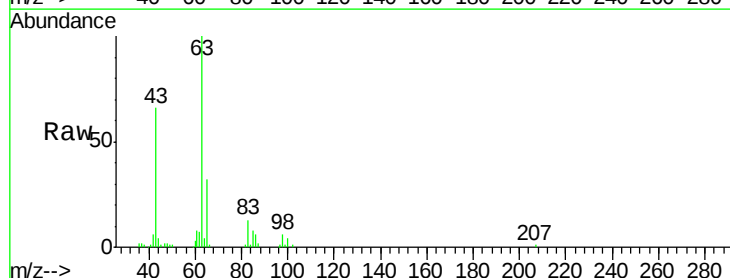
Tgt Ion: 63 Resp: 194389

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060404.D (-1257) (-)

Ion 97.90 (97.60 to 98.60): VN060404.D (-1257) (-)

Ion 99.90 (99.60 to 100.60): VN060404.D (-1257) (-)

5.82

80000

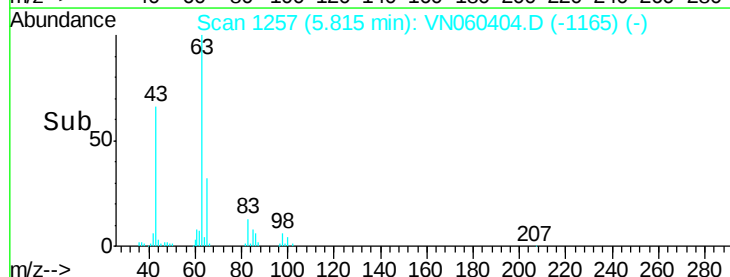
60000

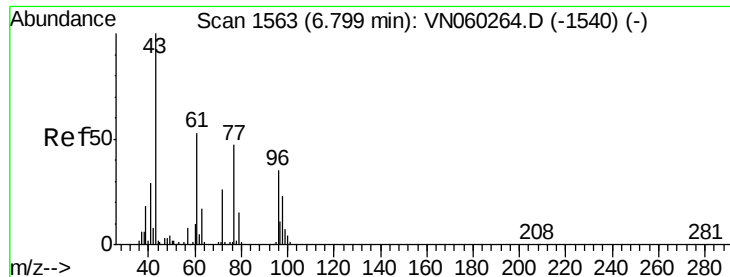
40000

20000

0

Time-->





#25

2-Butanone

Concen: 230.12 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

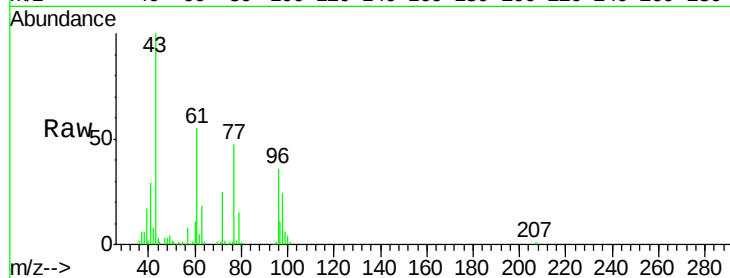
VSTDCCC050EC

Tgt Ion: 43 Resp: 313082

Ion Ratio Lower Upper

43 100

72 25.3 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

120000

100000

80000

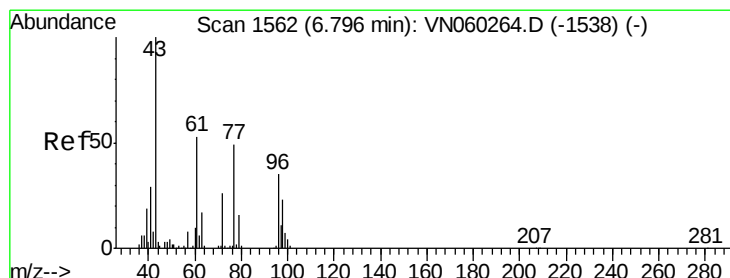
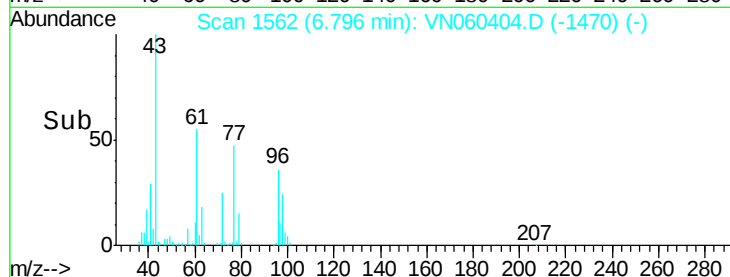
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.06 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060404.D

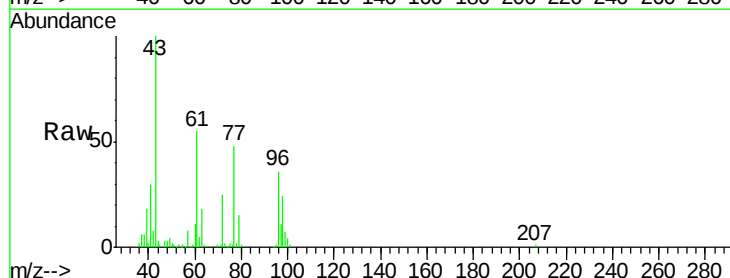
Acq: 9 Mar 2020 15:56

Tgt Ion: 77 Resp: 165606

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

60000

50000

40000

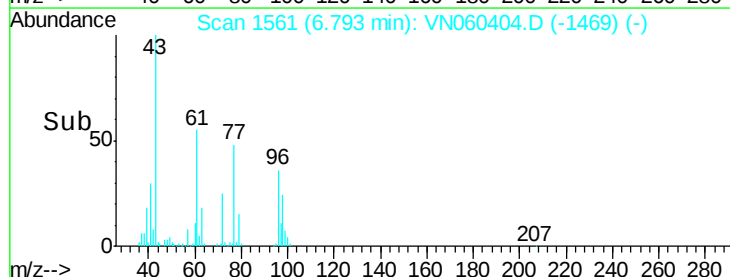
30000

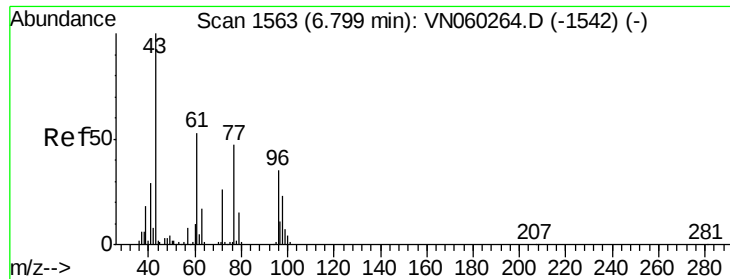
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 43.87 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

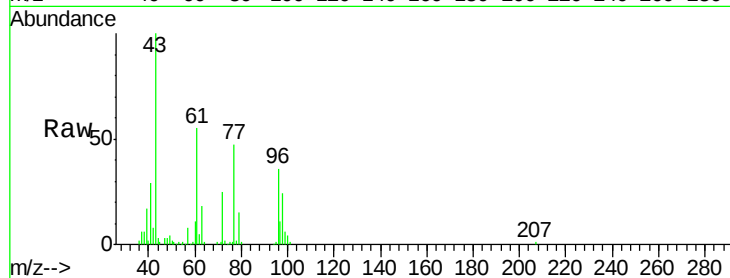
Tgt Ion: 96 Resp: 117669

Ion Ratio Lower Upper

96 100

61 151.4 0.0 300.8

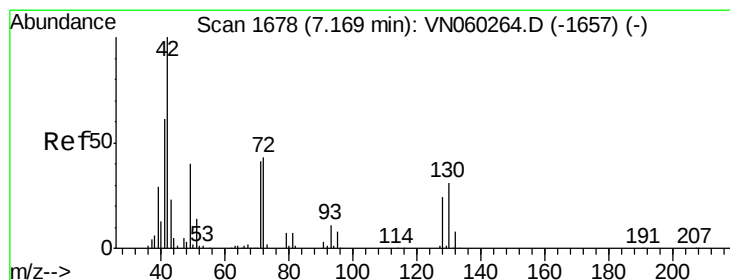
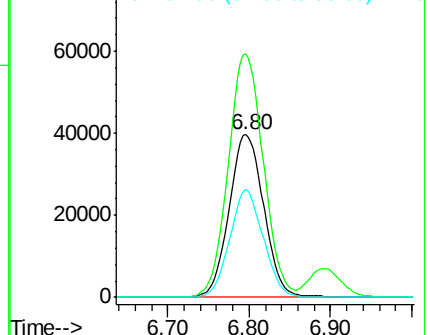
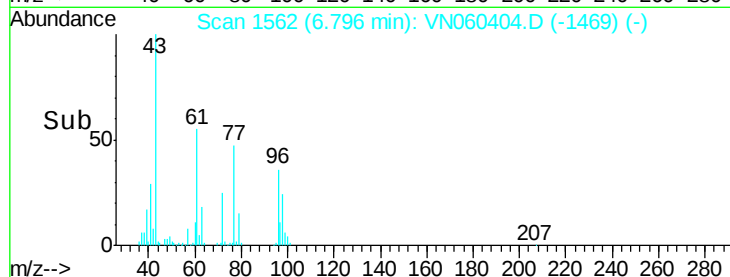
98 63.8 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060404.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060404.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060404.D (-1469) (-)



#28

Bromochloromethane

Concen: 47.65 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

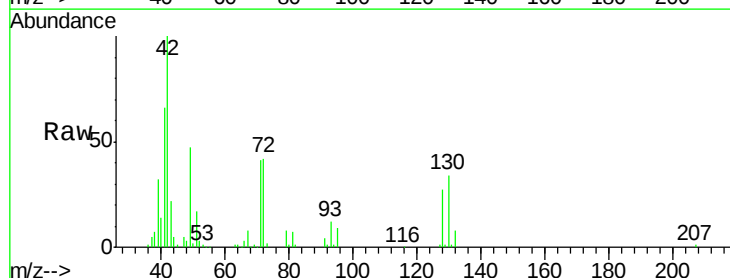
Tgt Ion: 49 Resp: 80786

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

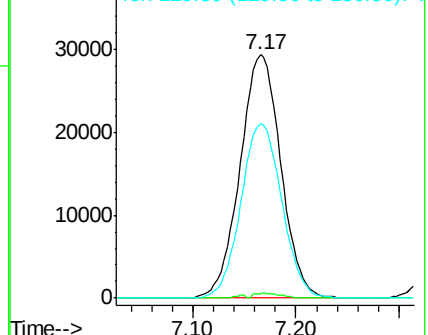
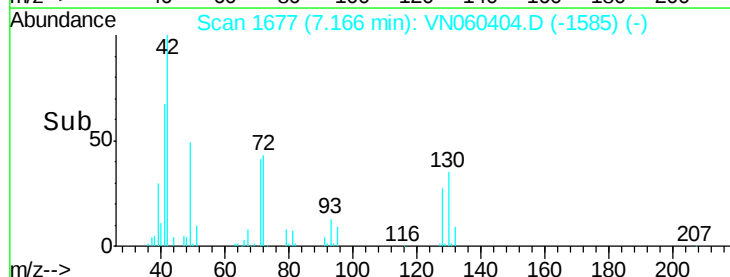
130 71.9 59.8 89.8

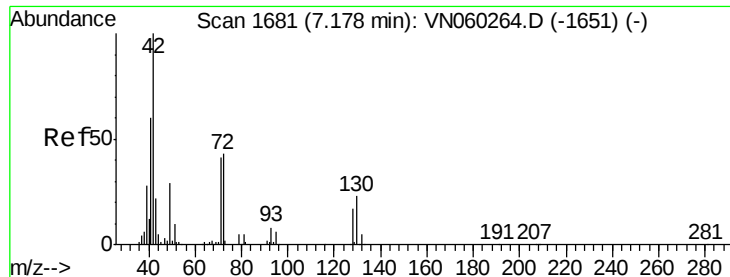


Abundance Ion 48.90 (48.60 to 49.60): VN060404.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060404.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060404.D (-1585) (-)

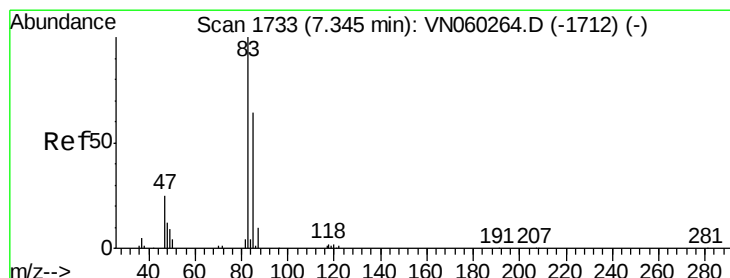
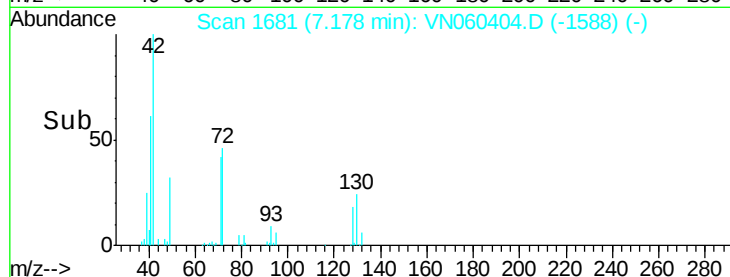
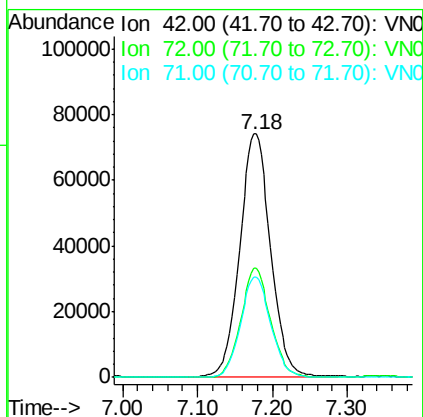
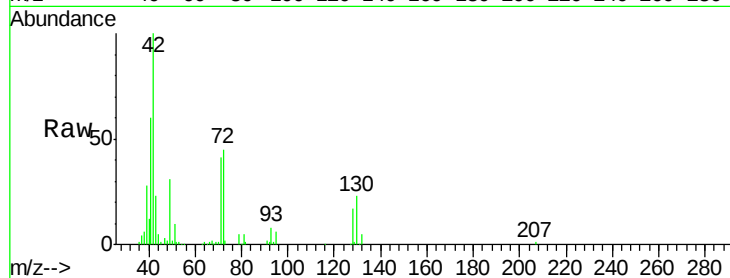




#29
Tetrahydrofuran
Concen: 225.09 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

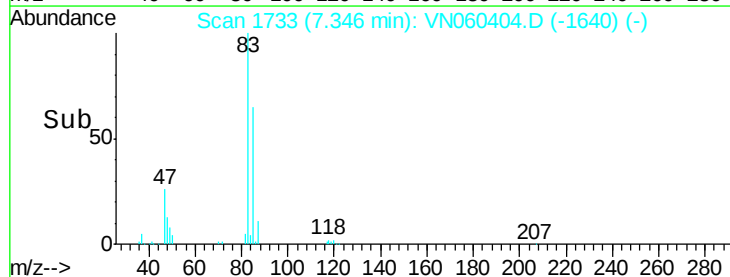
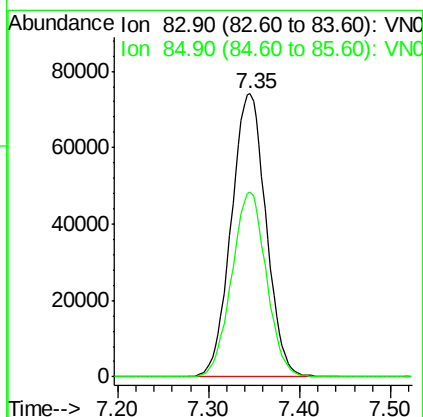
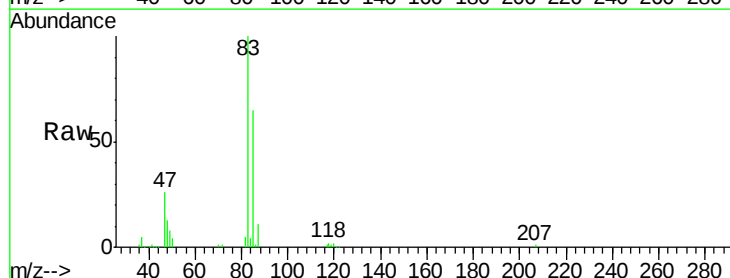
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

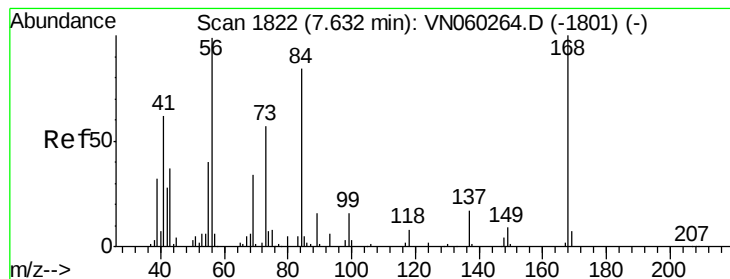
Tgt Ion: 42 Resp: 212949
Ion Ratio Lower Upper
42 100
72 42.9 34.6 52.0
71 40.0 32.9 49.3



#30
Chloroform
Concen: 47.76 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 83 Resp: 196327
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.2





#31

Cyclohexane

Concen: 46.57 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

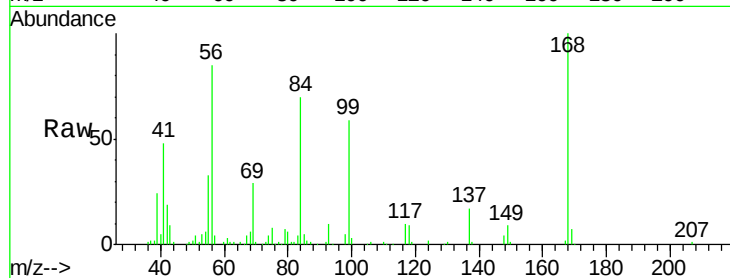
Tgt Ion: 56 Resp: 164407

Ion Ratio Lower Upper

56 100

69 33.8 27.2 40.8

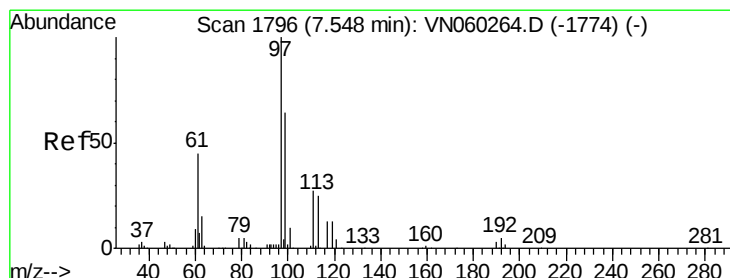
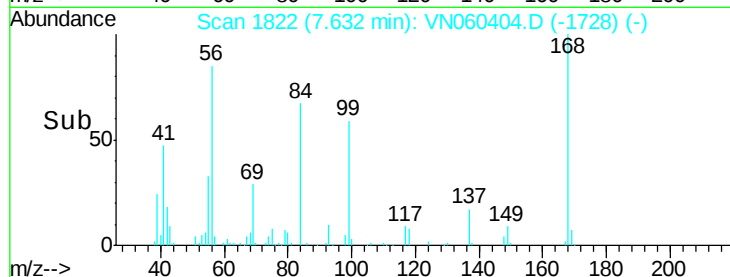
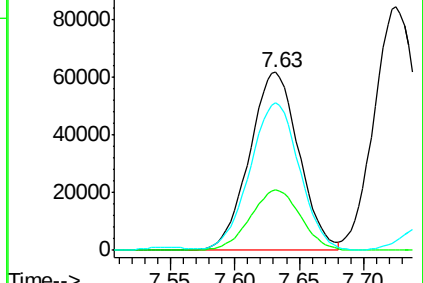
84 81.9 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060404.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060404.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060404.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 47.05 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

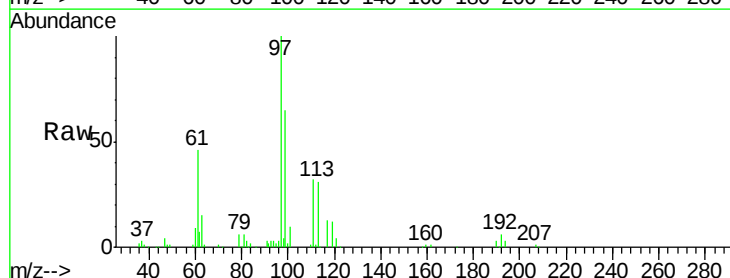
Tgt Ion: 97 Resp: 171365

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

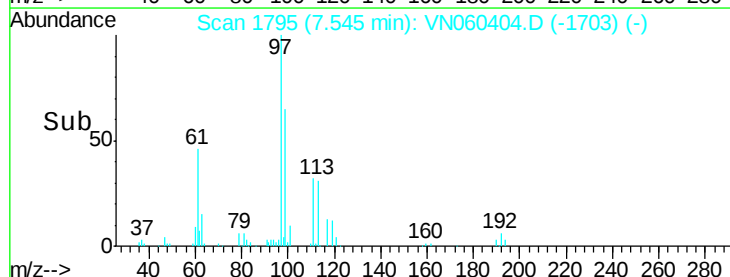
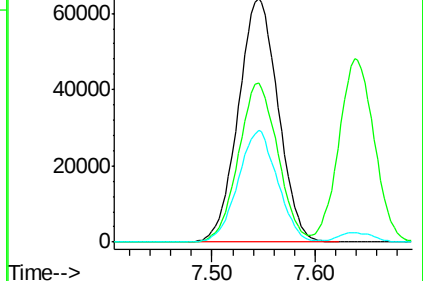
61 45.4 36.6 55.0

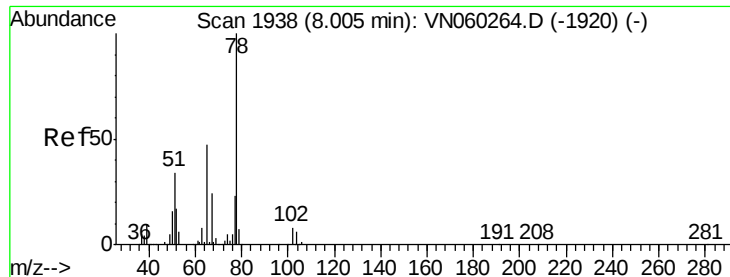


Abundance Ion 96.90 (96.60 to 97.60): VN060404.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060404.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060404.D (-1703) (-)

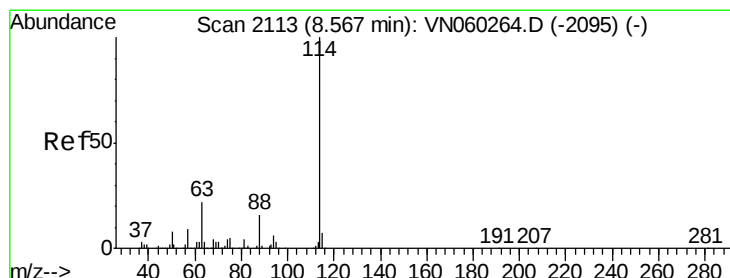
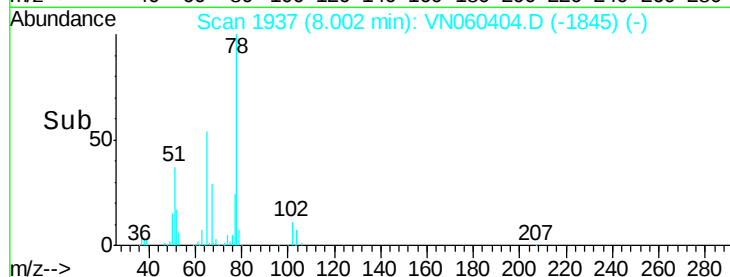
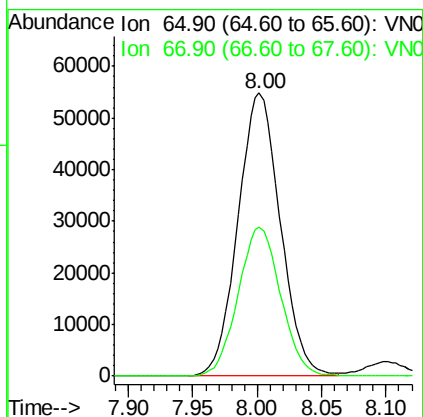
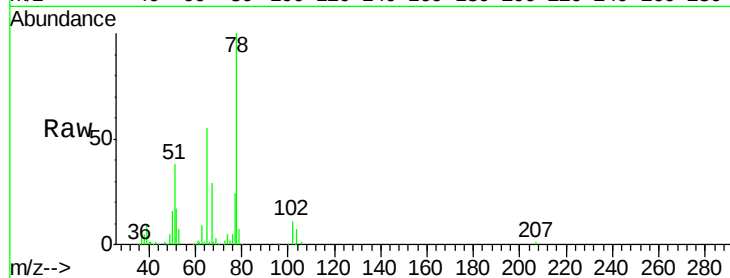




#33
 1,2-Dichloroethane-d4
 Concen: 48.06 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

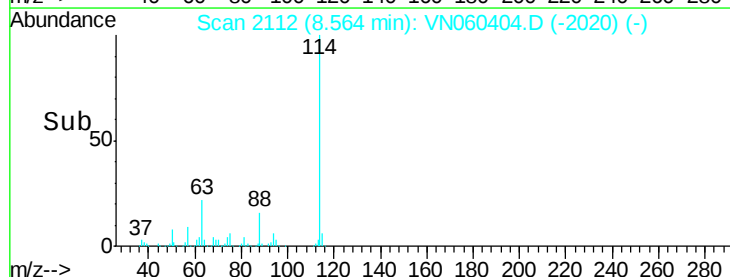
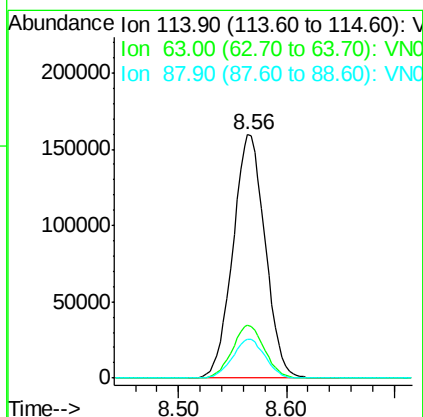
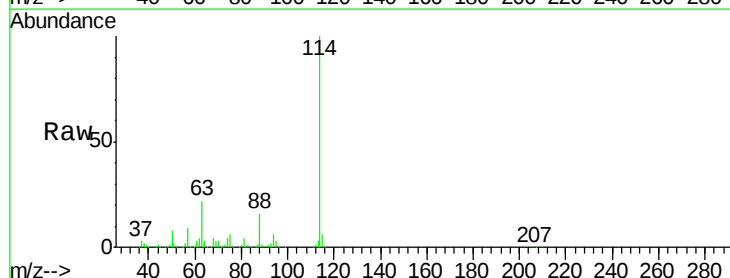
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

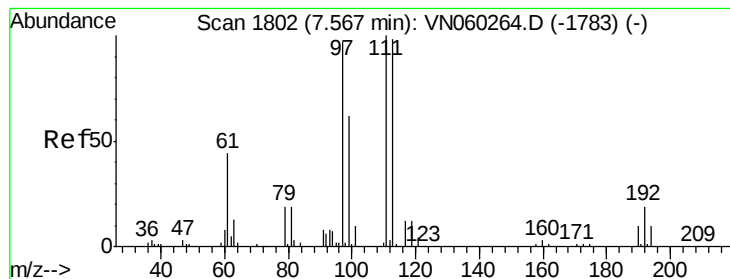
Tgt Ion: 65 Resp: 125357
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 114 Resp: 331672
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 60.89 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

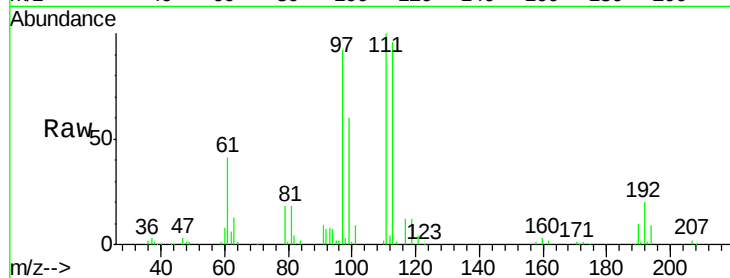
Tgt Ion:113 Resp: 93735

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

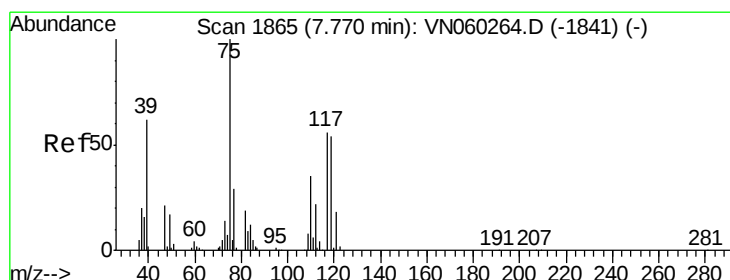
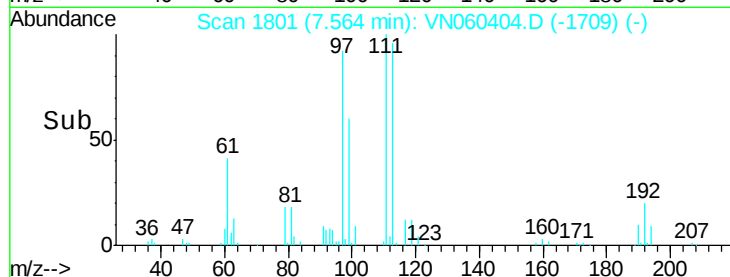
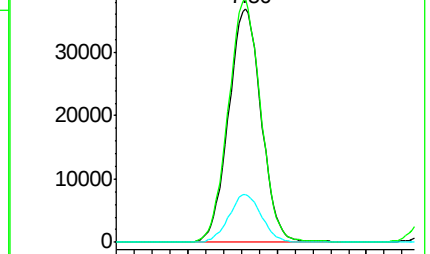
192 20.3 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.49 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

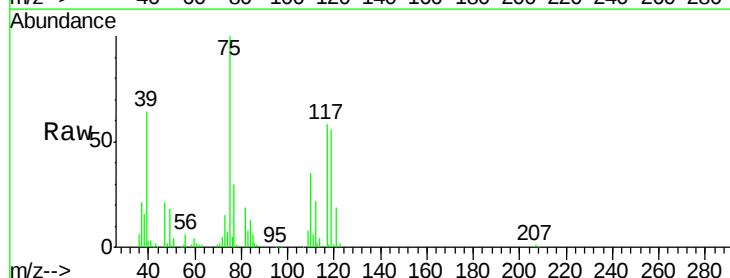
Tgt Ion: 75 Resp: 140638

Ion Ratio Lower Upper

75 100

110 34.9 17.3 52.0

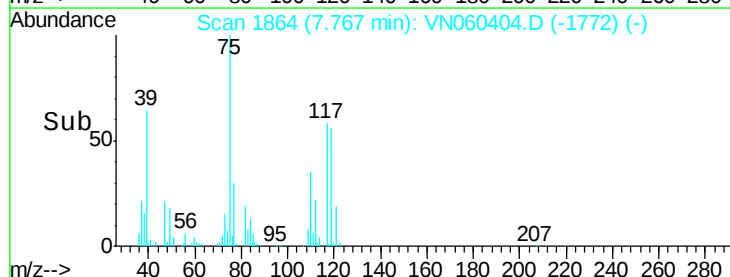
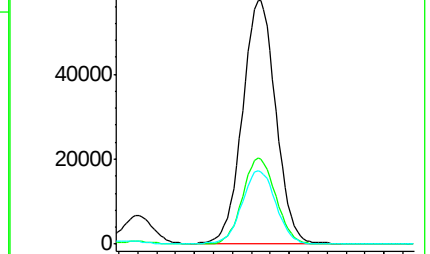
77 30.7 24.2 36.2

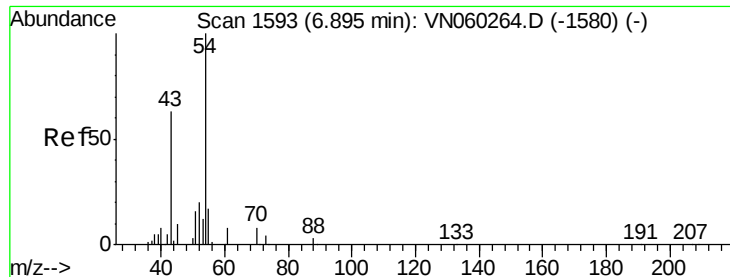


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

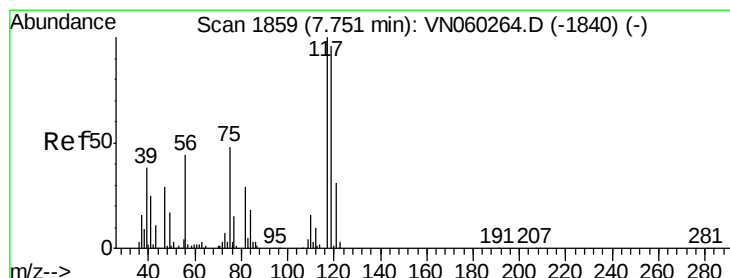
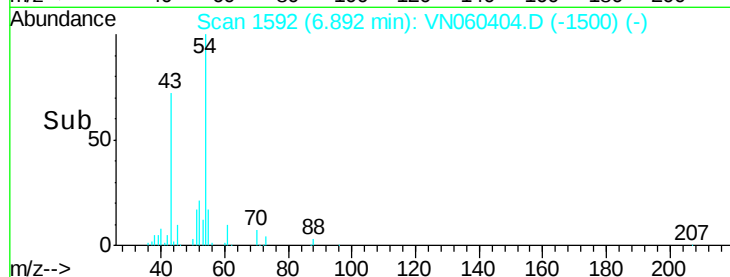
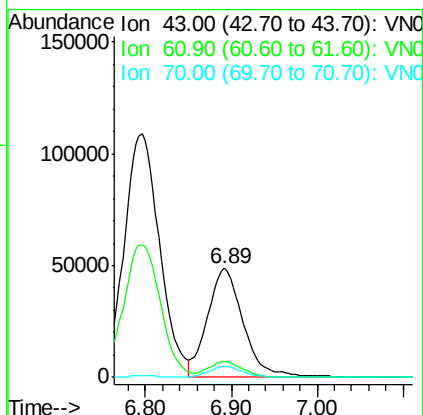
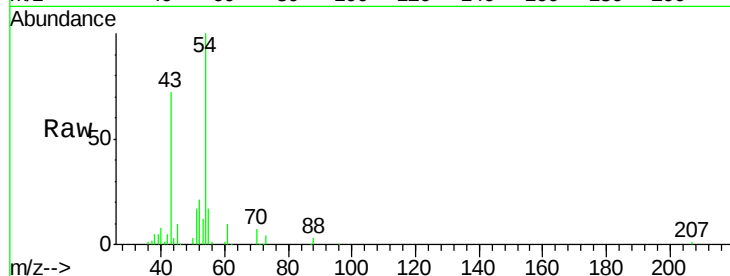




#37
 Ethyl Acetate
 Concen: 46.34 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

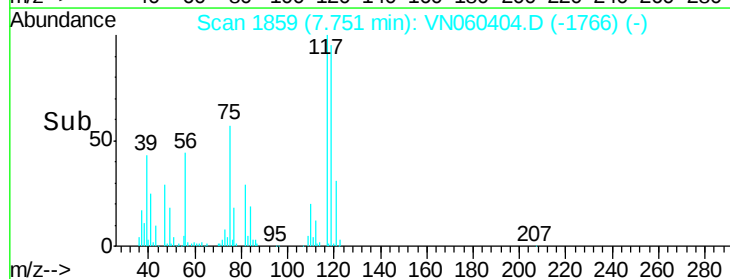
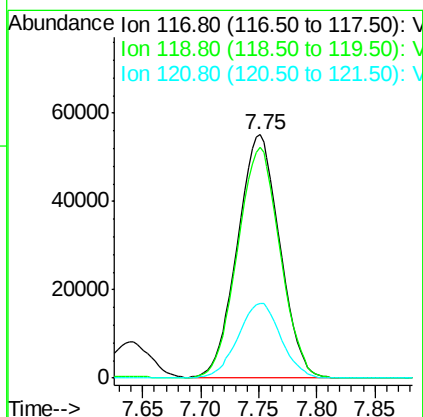
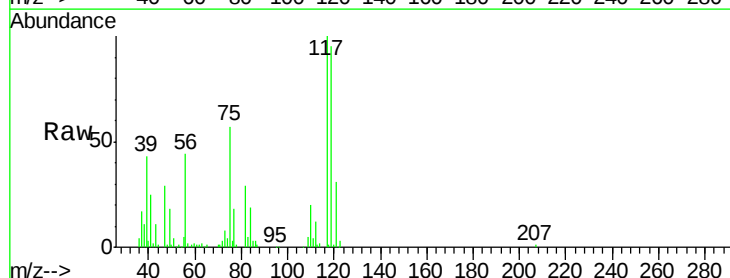
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

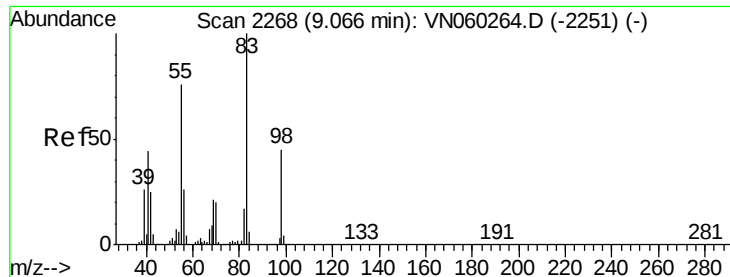
Tgt Ion: 43 Resp: 138698
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.1 16.7
 70 9.8 8.4 12.6



#38
 Carbon Tetrachloride
 Concen: 45.59 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 117 Resp: 140313
 Ion Ratio Lower Upper
 117 100
 119 94.6 76.7 115.1
 121 30.8 24.5 36.7

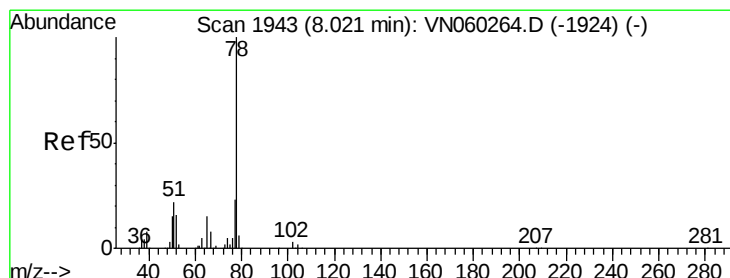
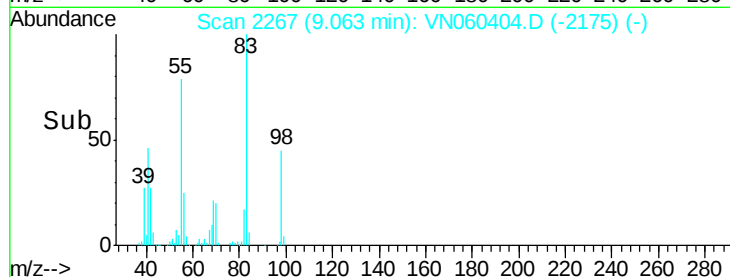
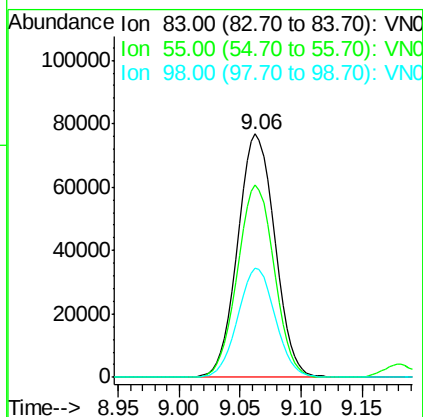
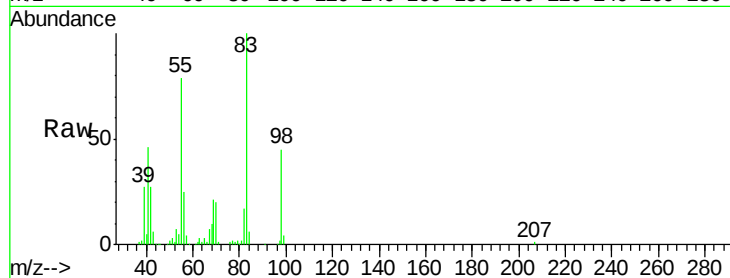




#39
Methylcyclohexane
Concen: 43.45 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

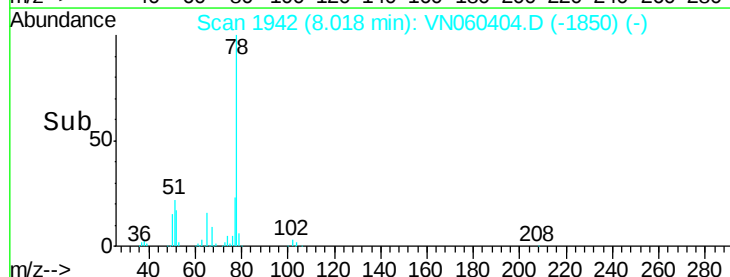
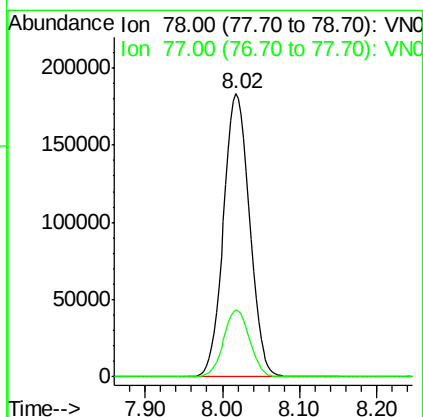
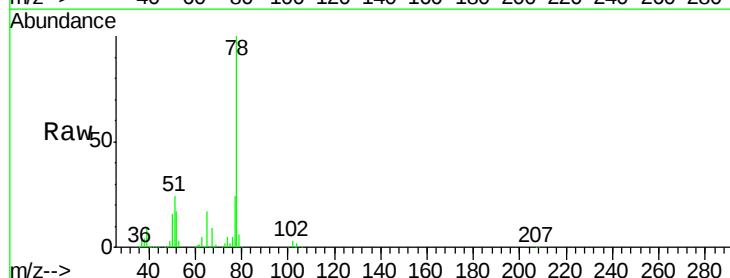
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

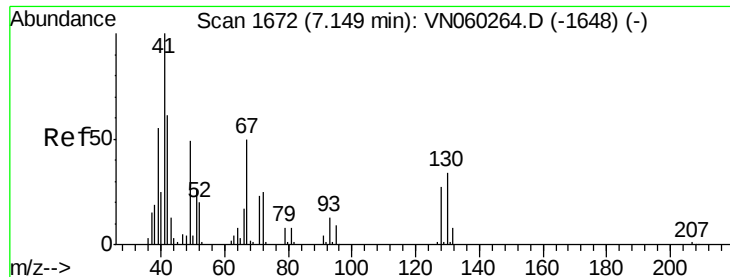
Tgt Ion: 83 Resp: 161925
Ion Ratio Lower Upper
83 100
55 78.8 61.0 91.4
98 45.0 36.1 54.1



#40
Benzene
Concen: 46.61 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 78 Resp: 428854
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

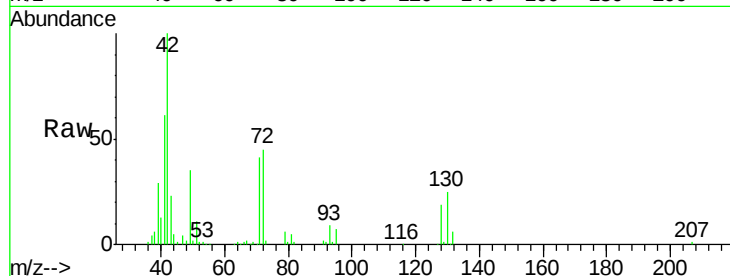




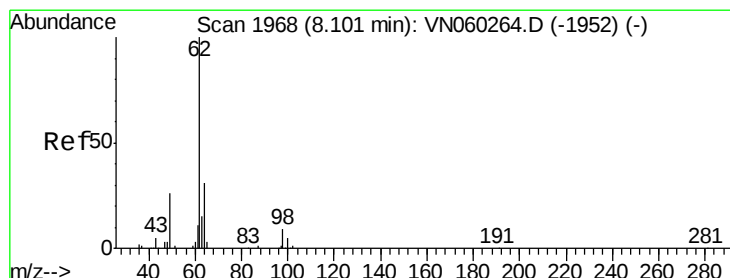
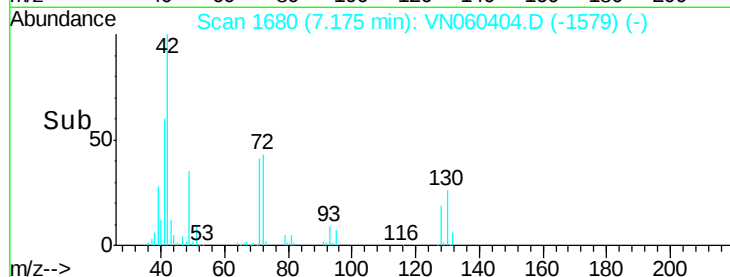
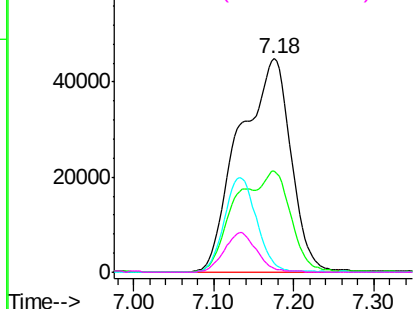
#41
Methacrylonitrile
Concen: 143.69 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	198588
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

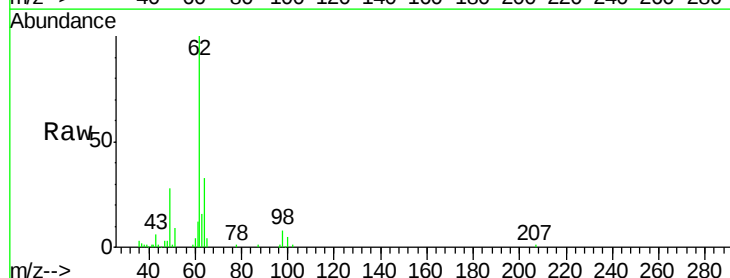


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

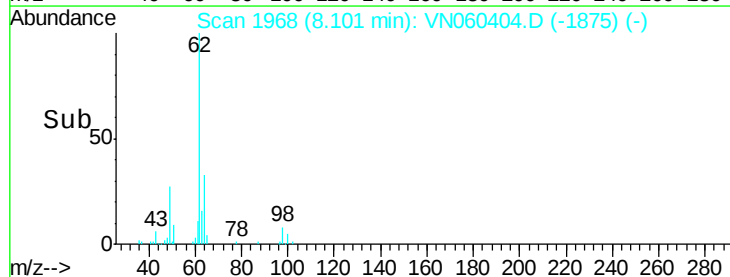
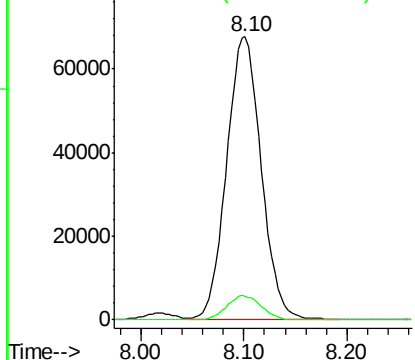


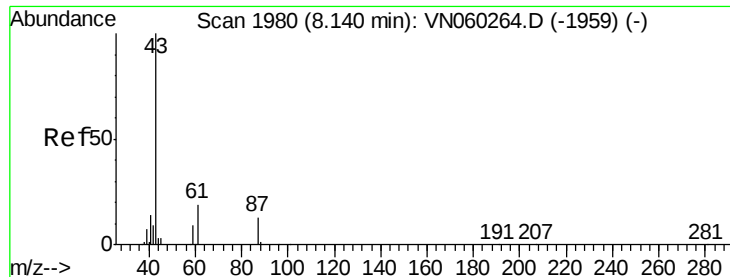
#42
1,2-Dichloroethane
Concen: 47.74 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion:	62	Resp:	158503
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 47.31 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

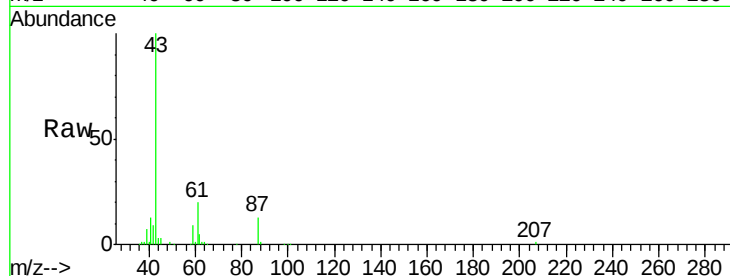
Tgt Ion: 43 Resp: 247913

Ion Ratio Lower Upper

43 100

61 26.2 20.9 31.3

87 12.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060404.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060404.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060404.D (-1979) (-)

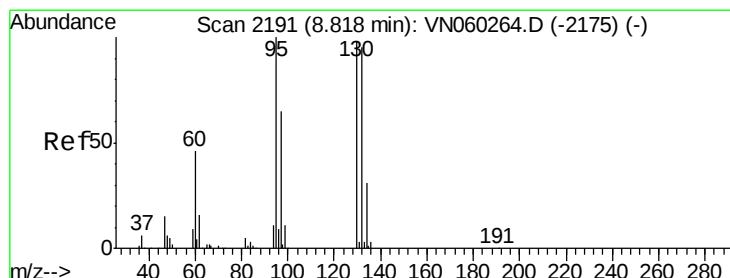
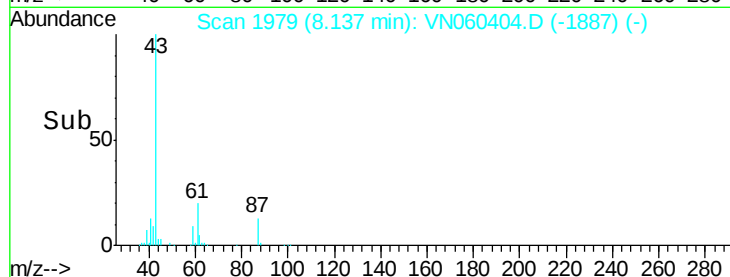
8.14

100000

50000

0

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 45.04 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060404.D

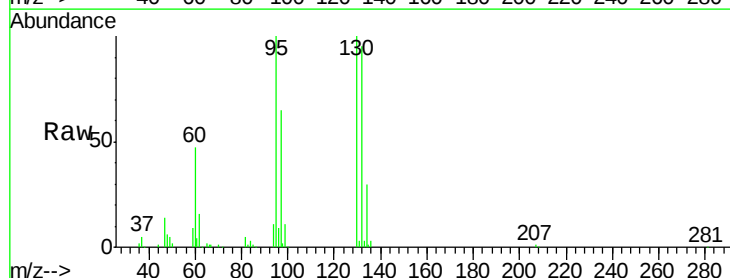
Acq: 9 Mar 2020 15:56

Tgt Ion: 130 Resp: 115409

Ion Ratio Lower Upper

130 100

95 100.5 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060404.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN060404.D (-2191) (-)

8.82

60000

50000

40000

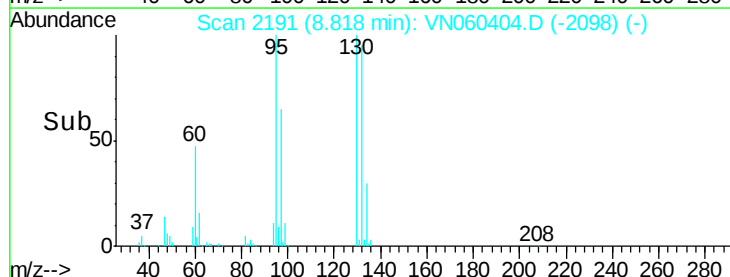
30000

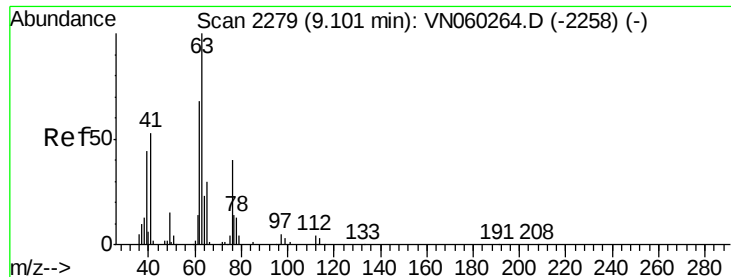
20000

10000

0

Time--> 8.70 8.80 8.90





#45

1,2-Dichloropropane

Concen: 49.62 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

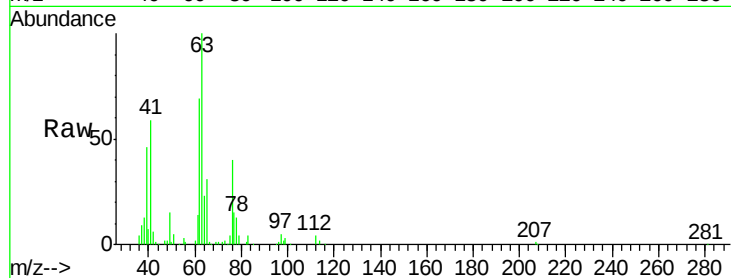
VSTDCCC050EC

Tgt Ion: 63 Resp: 119360

Ion Ratio Lower Upper

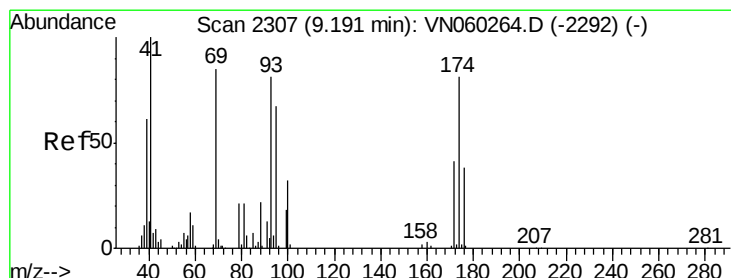
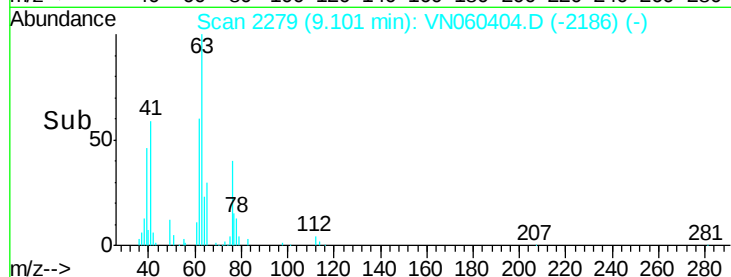
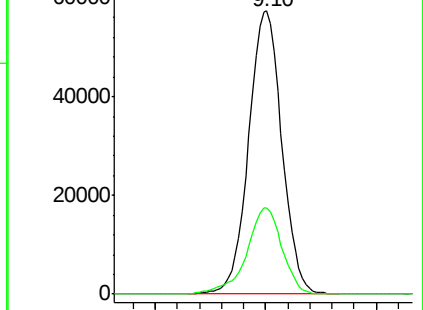
63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060404.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060404.D (-2186) (-)



#46

Dibromomethane

Concen: 46.91 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

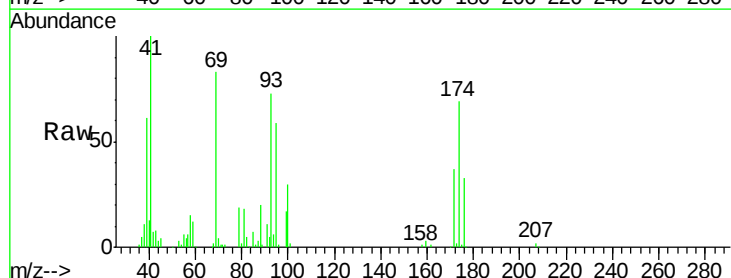
Tgt Ion: 93 Resp: 73213

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

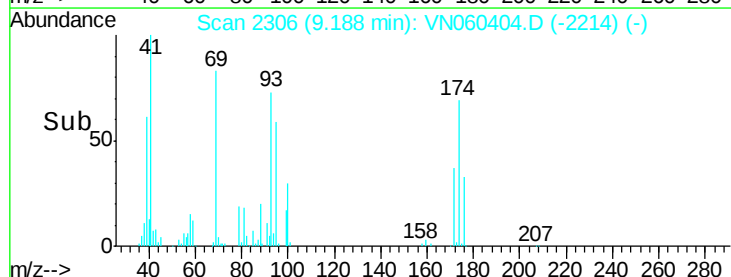
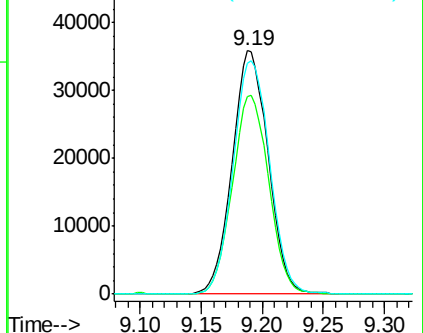
174 97.7 79.6 119.4

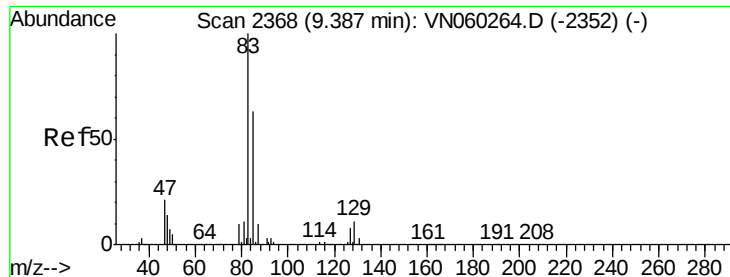


Abundance Ion 92.80 (92.50 to 93.50): VN060404.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060404.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060404.D (-2214) (-)





#47

Bromodichloromethane

Concen: 49.96 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

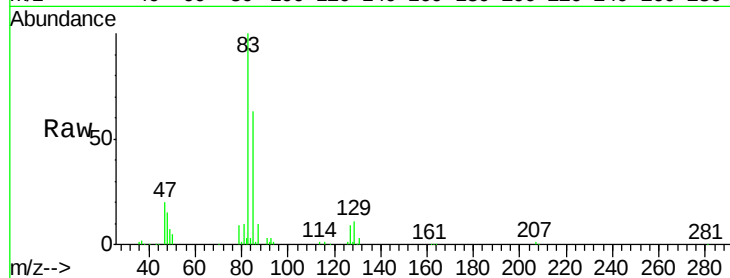
Tgt Ion: 83 Resp: 158594

Ion Ratio Lower Upper

83 100

85 62.5 50.7 76.1

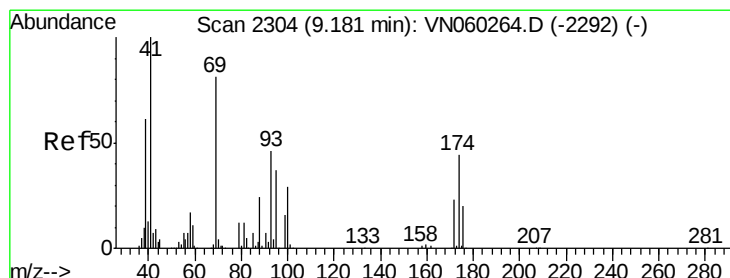
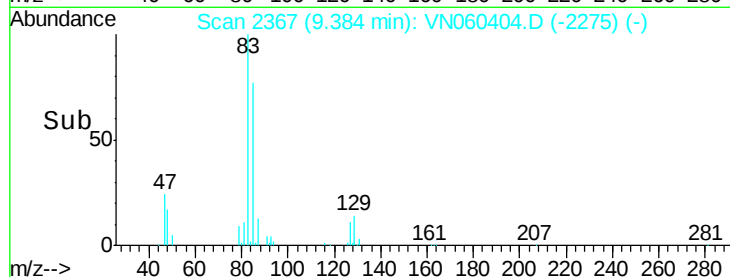
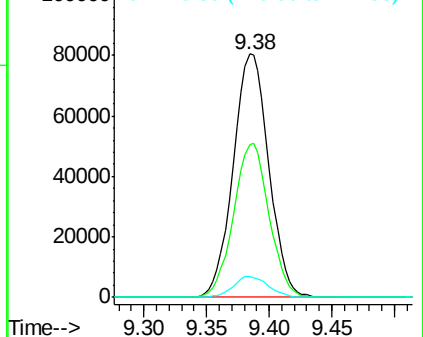
127 8.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 45.86 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

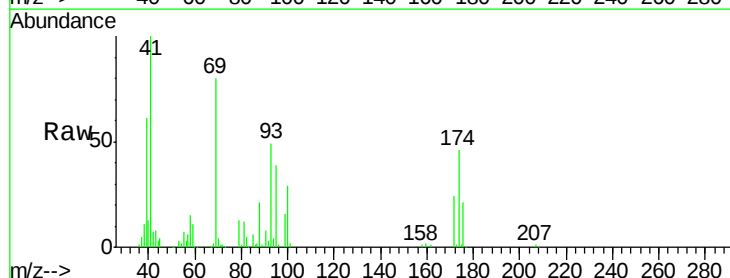
Tgt Ion: 41 Resp: 109570

Ion Ratio Lower Upper

41 100

69 84.0 66.7 100.1

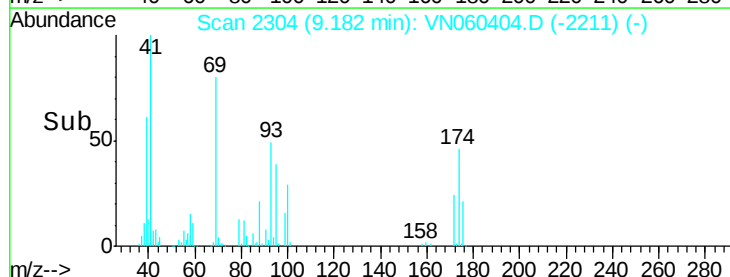
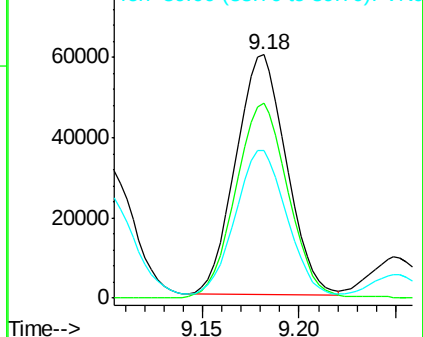
39 63.4 50.1 75.1

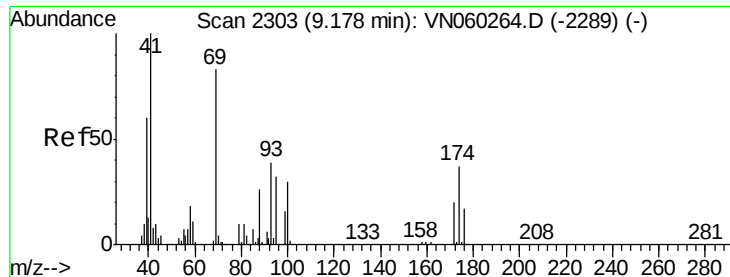


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 807.27 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

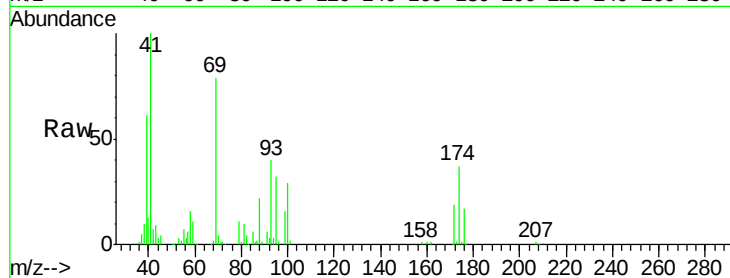
Tgt Ion: 88 Resp: 27126

Ion Ratio Lower Upper

88 100

43 38.5 30.4 45.6

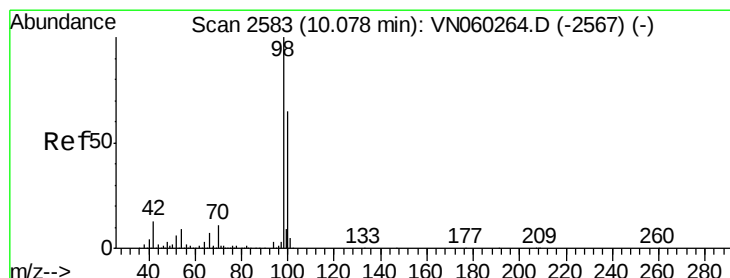
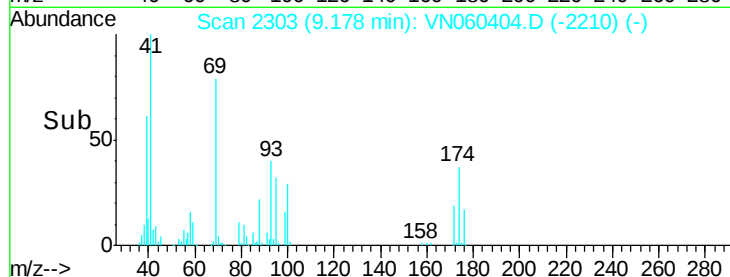
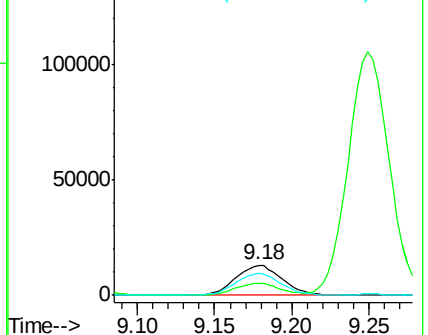
58 71.6 57.0 85.6



Abundance Ion 88.00 (87.70 to 88.70): VN060404.D (-2210) (-)

Ion 43.00 (42.70 to 43.70): VN060404.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060404.D (-2210) (-)



#50

Toluene-d8

Concen: 47.59 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060404.D

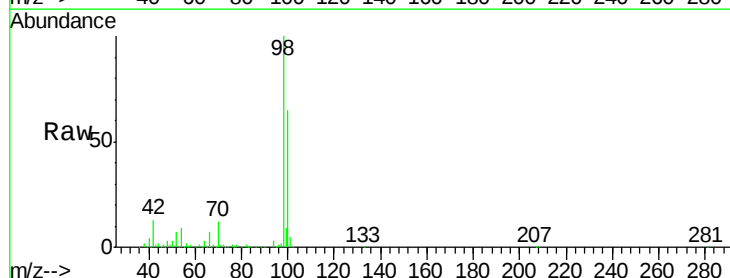
Acq: 9 Mar 2020 15:56

Tgt Ion: 98 Resp: 370792

Ion Ratio Lower Upper

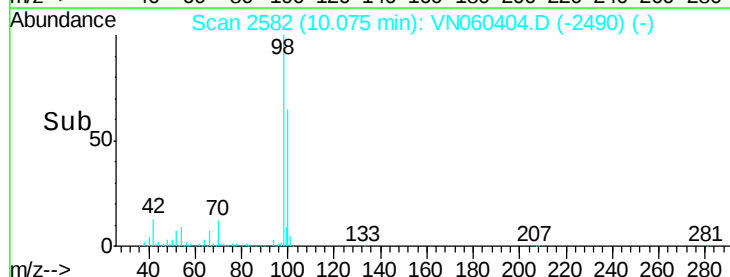
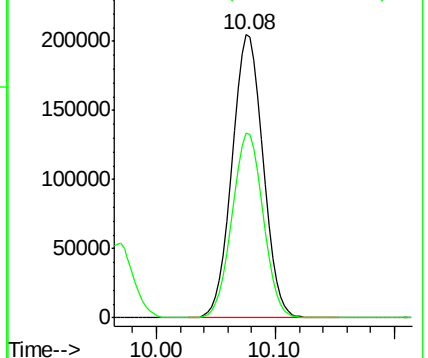
98 100

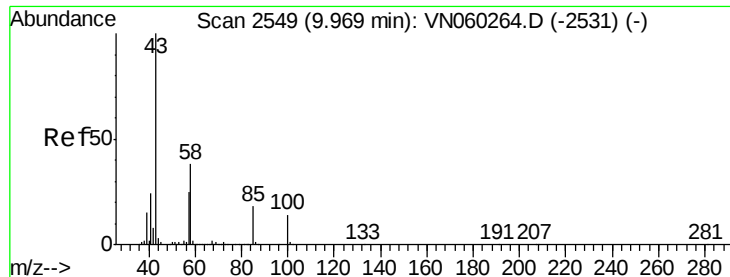
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060404.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060404.D (-2490) (-)

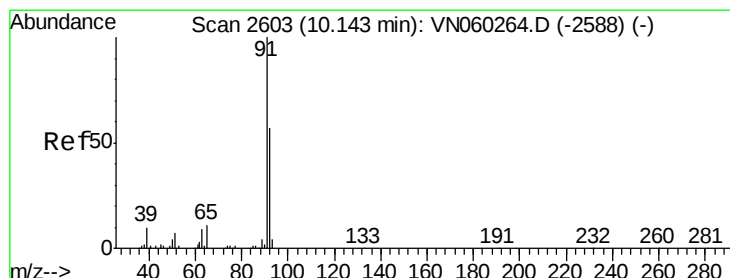
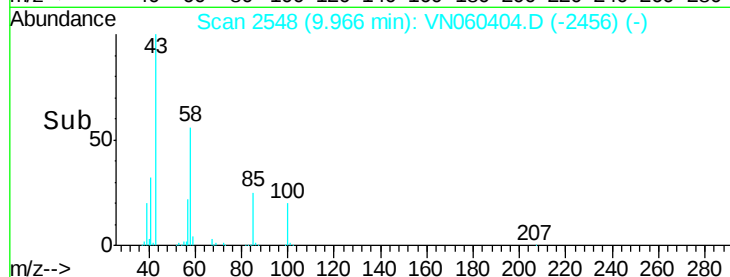
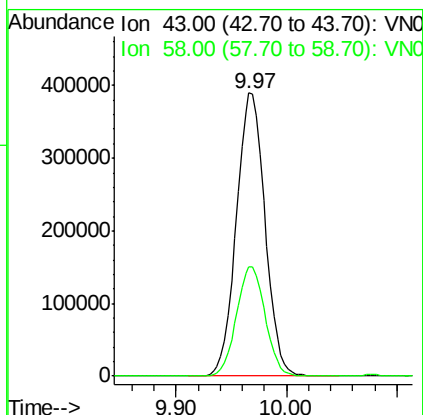
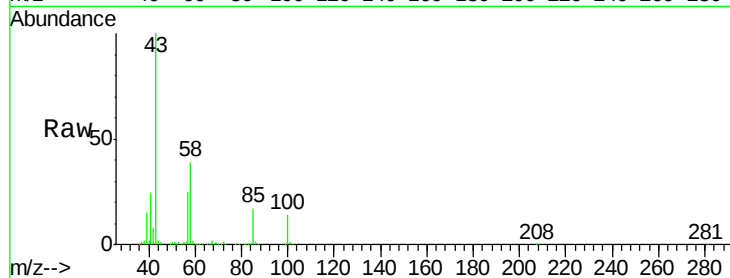




#51
 4-Methyl-2-Pentanone
 Concen: 235.52 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

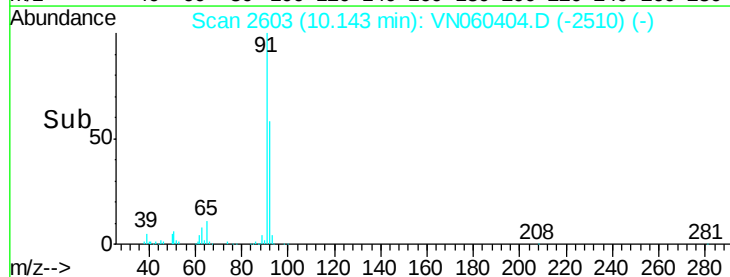
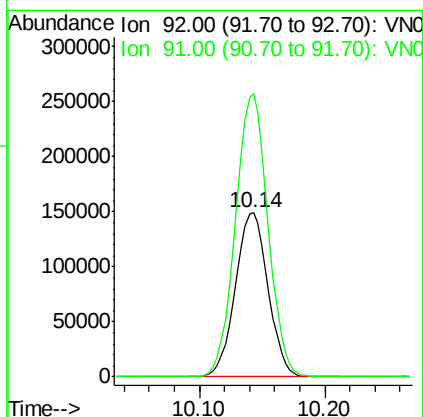
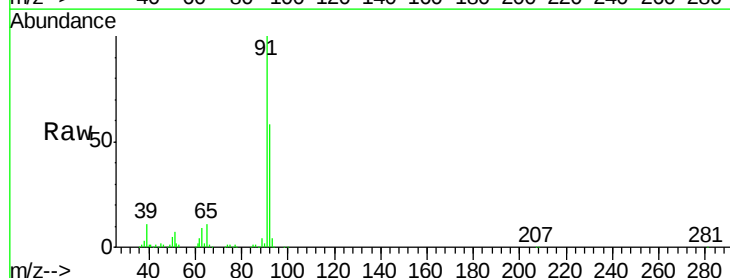
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

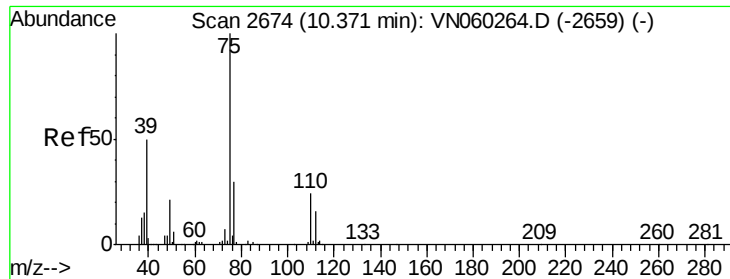
Tgt Ion: 43 Resp: 699720
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3



#52
 Toluene
 Concen: 46.57 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 92 Resp: 269114
 Ion Ratio Lower Upper
 92 100
 91 171.9 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 46.60 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

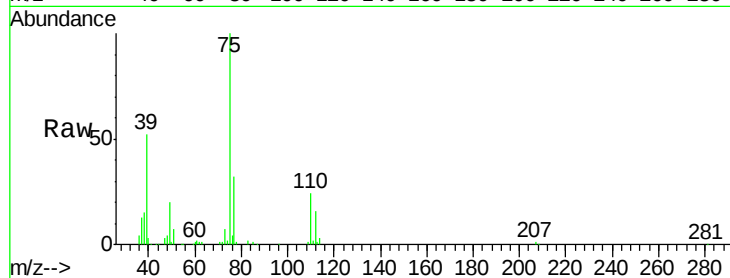
VSTDCCC050EC

Tgt Ion: 75 Resp: 181256

Ion Ratio Lower Upper

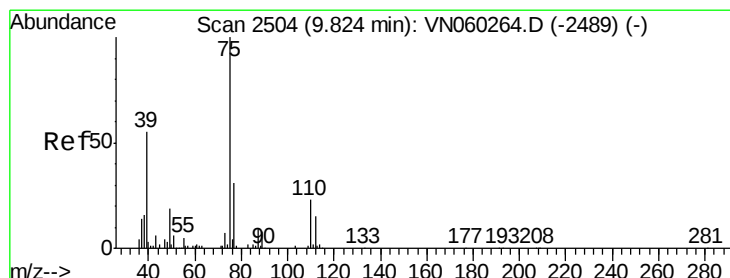
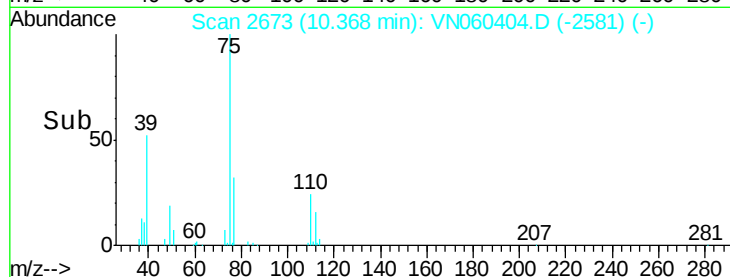
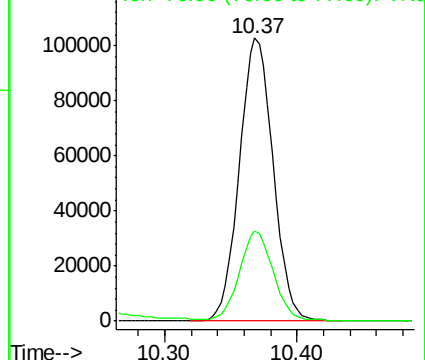
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 46.92 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

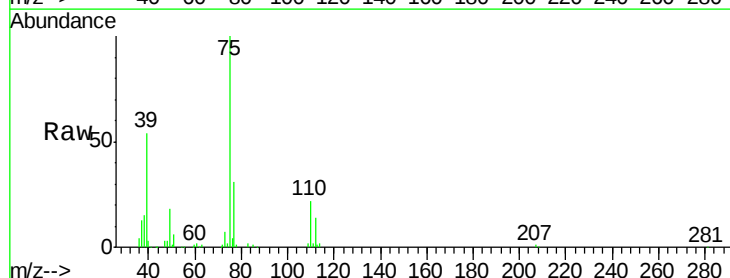
Tgt Ion: 75 Resp: 189126

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

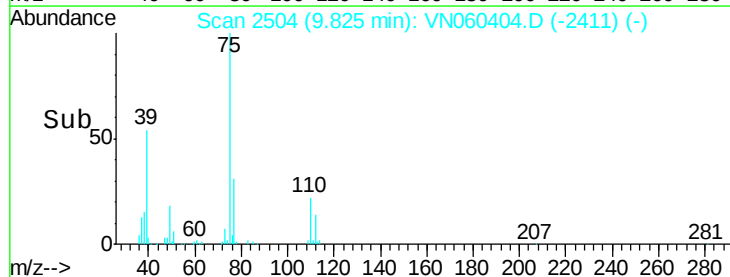
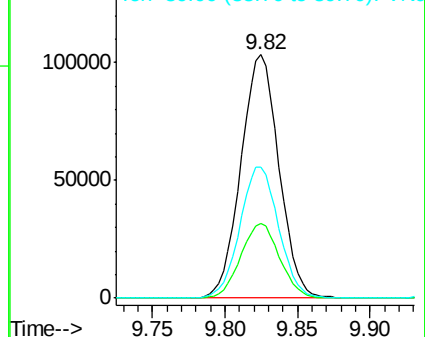
39 54.0 43.8 65.8

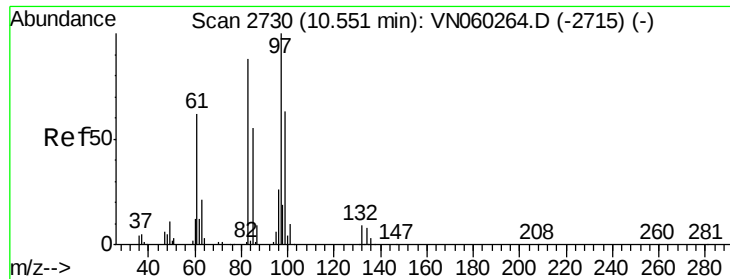


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

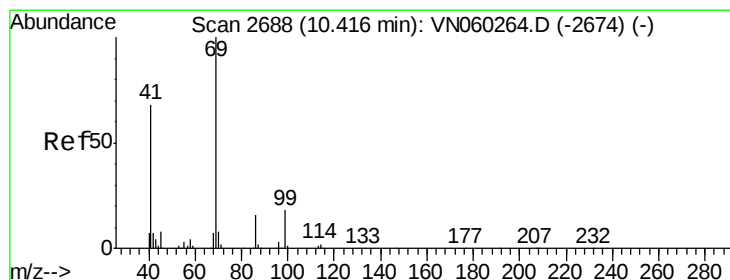
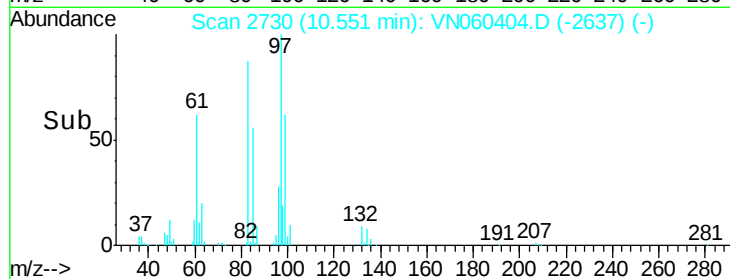
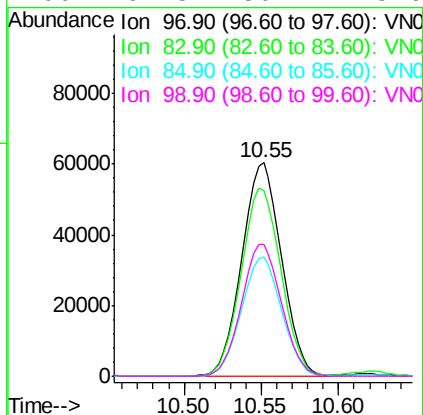
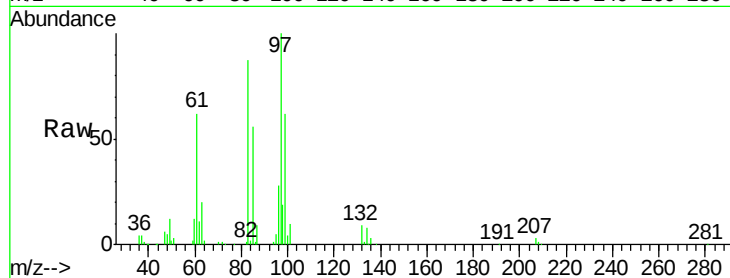




#55
 1,1,2-Trichloroethane
 Concen: 46.64 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

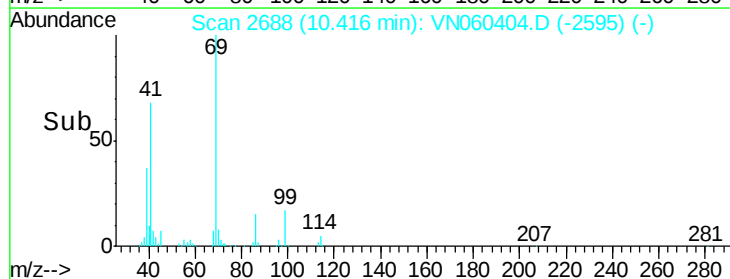
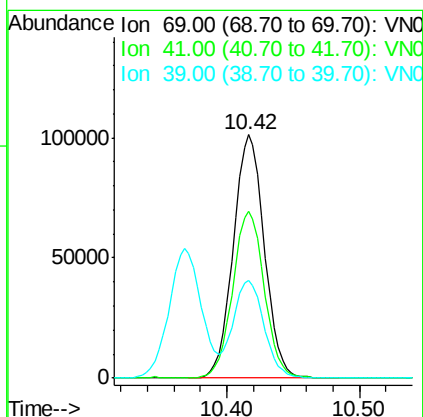
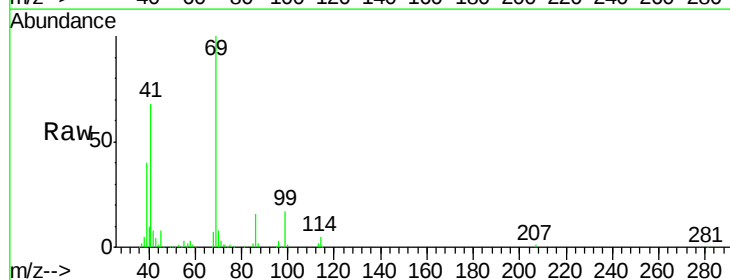
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

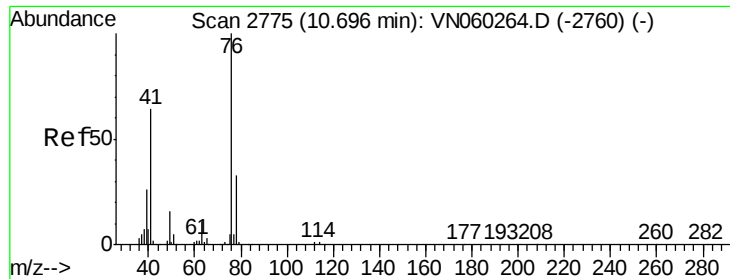
Tgt Ion:	97	Resp:	108403
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.0	105.0
85	55.5	44.0	66.0
99	61.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 49.35 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion:	69	Resp:	164770
Ion	Ratio	Lower	Upper
69	100		
41	68.9	54.1	81.1
39	39.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 48.47 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

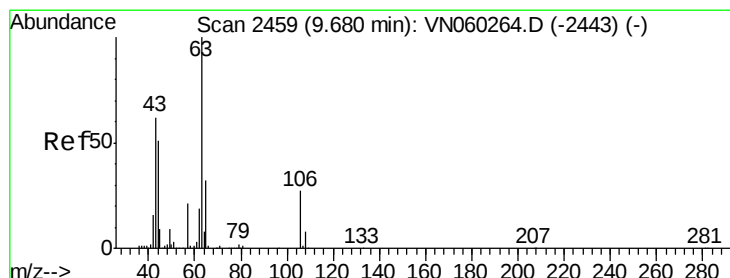
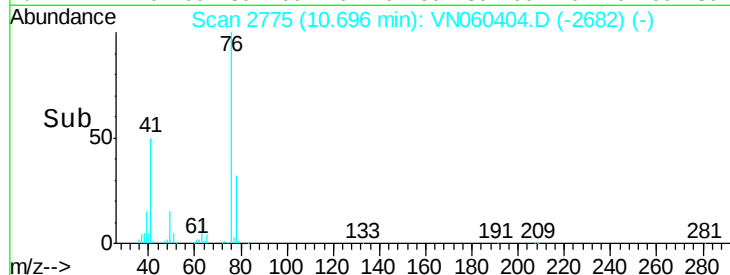
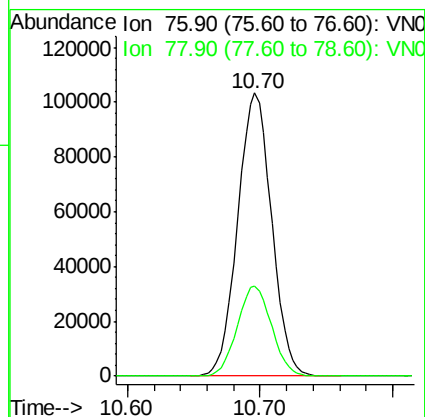
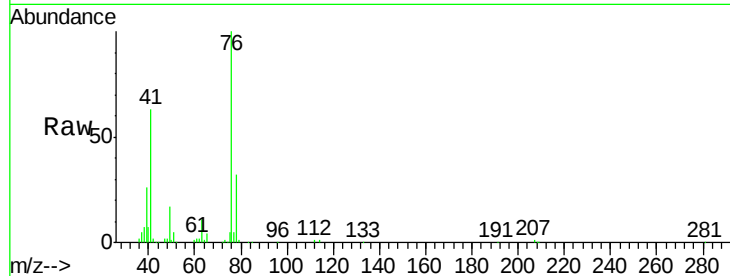
VSTDCCC050EC

Tgt Ion: 76 Resp: 183693

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 242.34 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060404.D

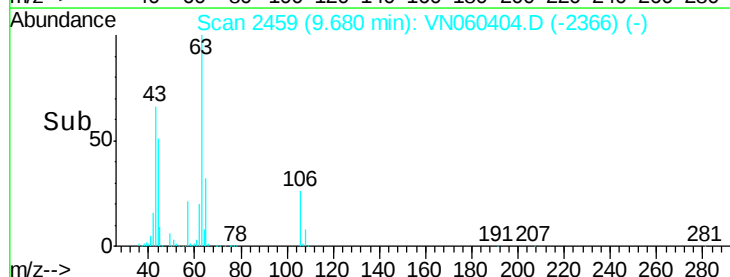
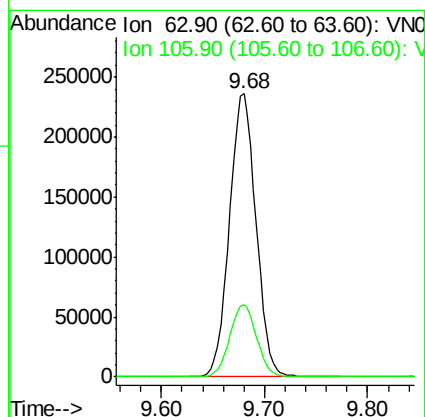
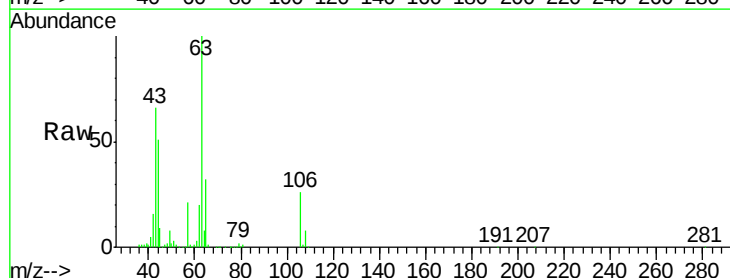
Acq: 9 Mar 2020 15:56

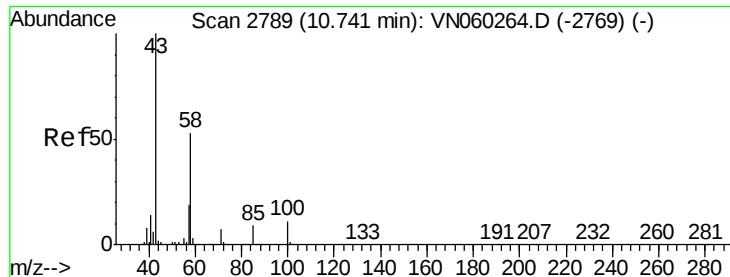
Tgt Ion: 63 Resp: 423201

Ion Ratio Lower Upper

63 100

106 25.8 21.1 31.7

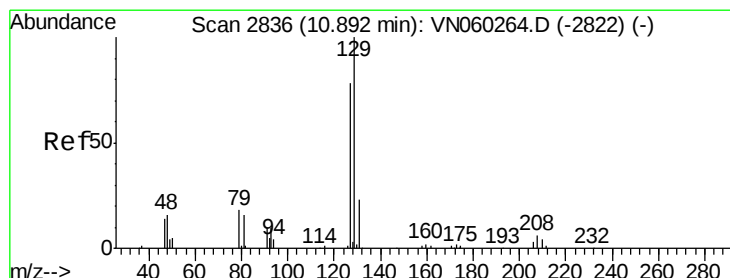
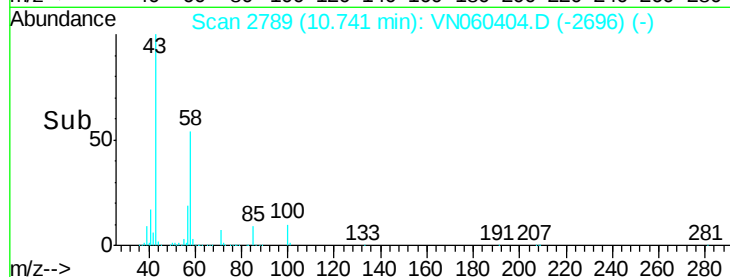
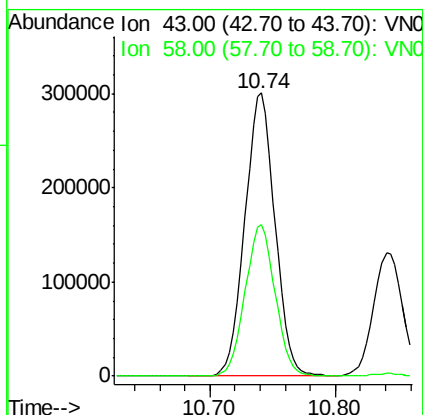
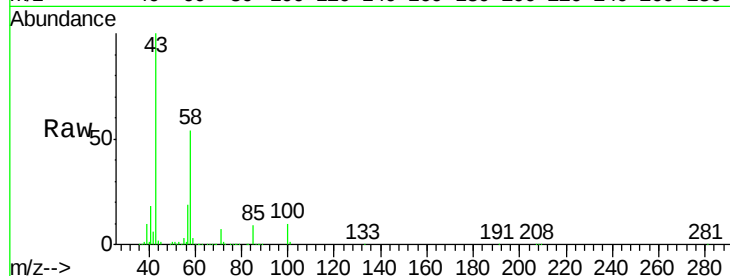




#59
2-Hexanone
Concen: 230.07 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

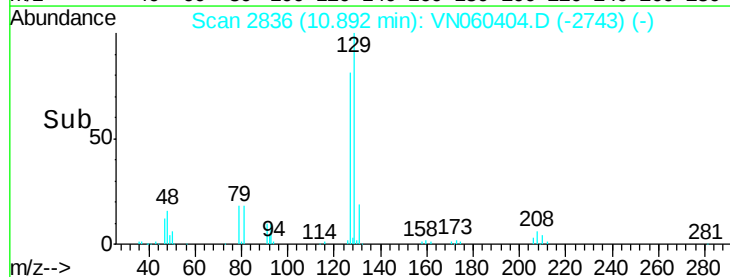
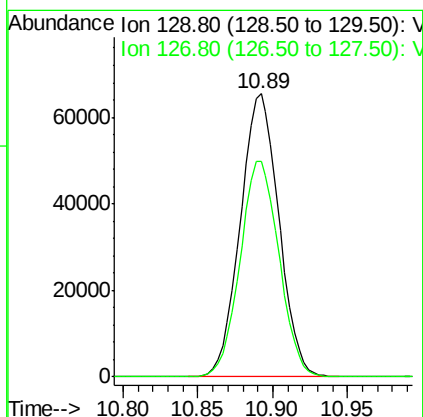
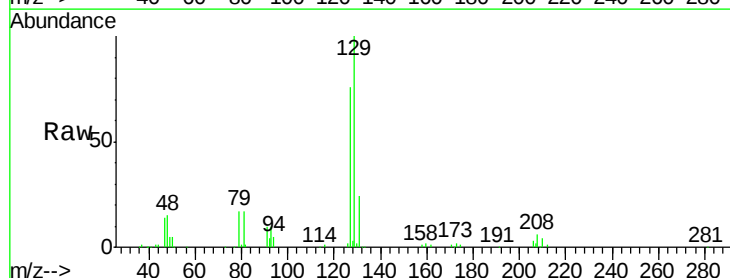
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

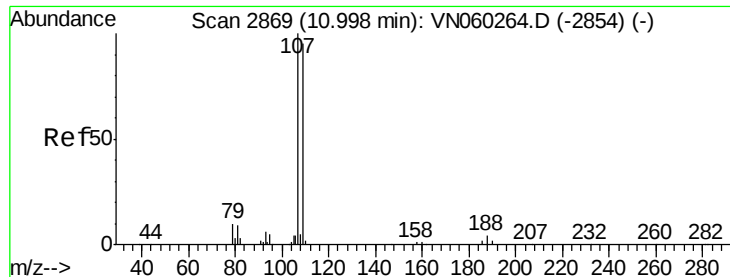
Tgt Ion: 43 Resp: 501846
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5



#60
Dibromochloromethane
Concen: 49.68 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 129 Resp: 117422
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7

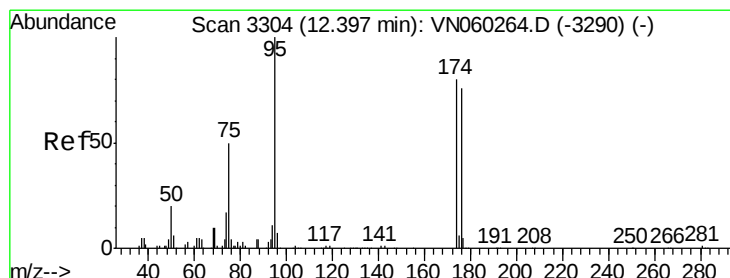
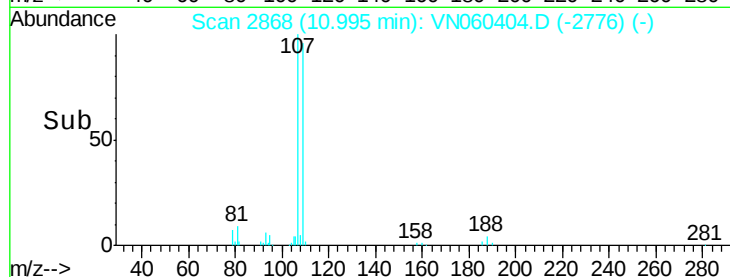
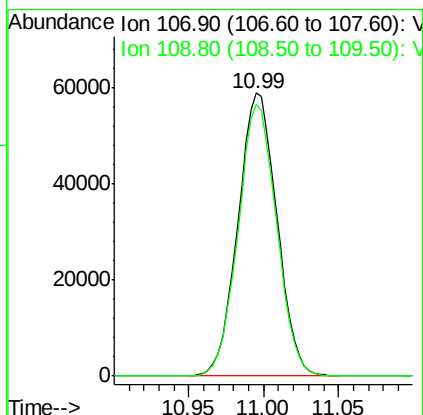
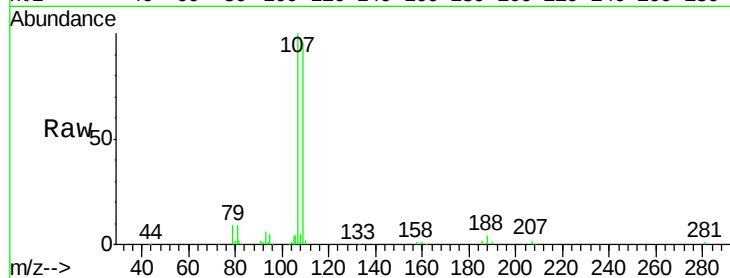




#61
1,2-Dibromoethane
Concen: 46.96 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

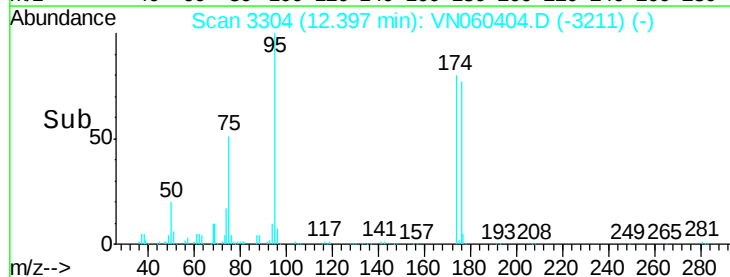
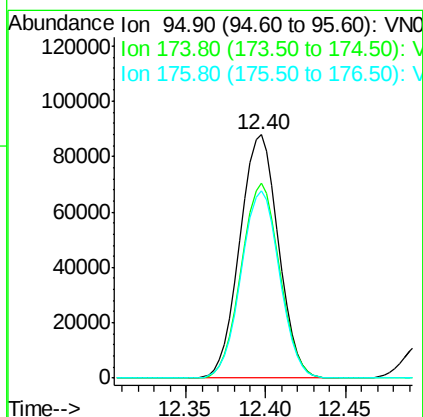
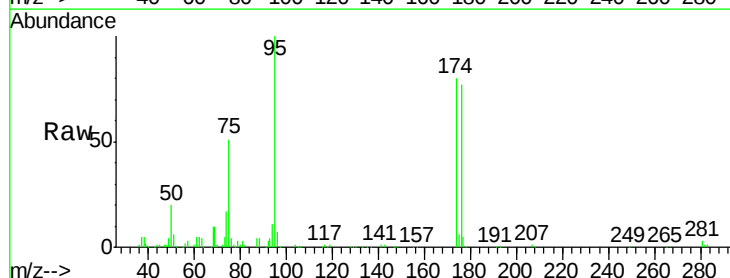
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

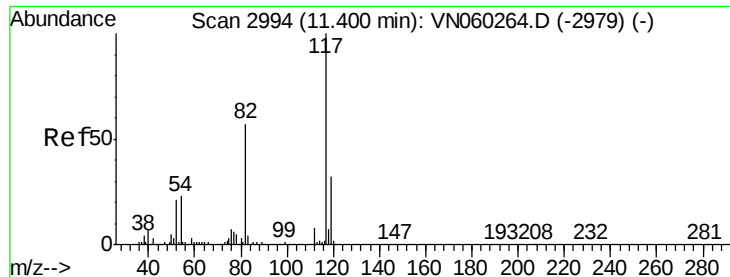
Tgt Ion: 107 Resp: 106392
Ion Ratio Lower Upper
107 100
109 95.0 76.8 115.2



#62
4-Bromofluorobenzene
Concen: 49.05 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 95 Resp: 144871
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 76.4 0.0 153.8

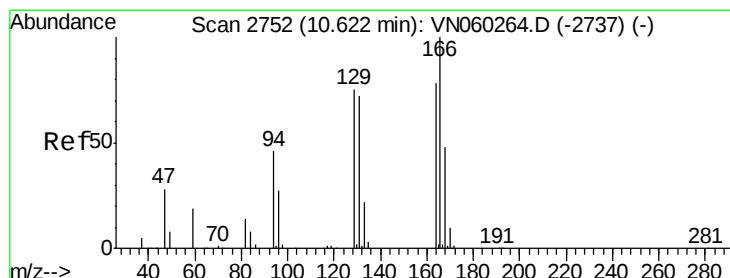
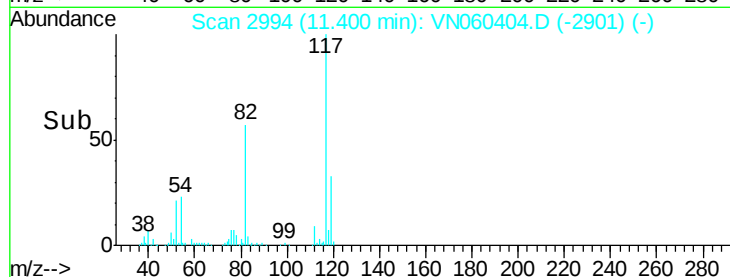
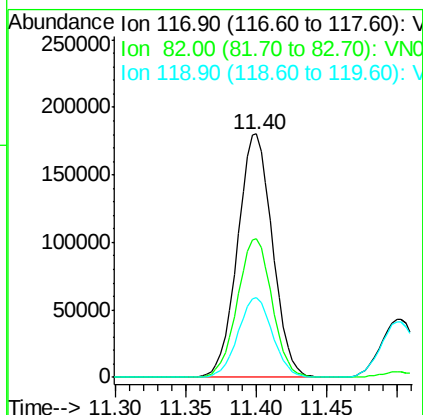
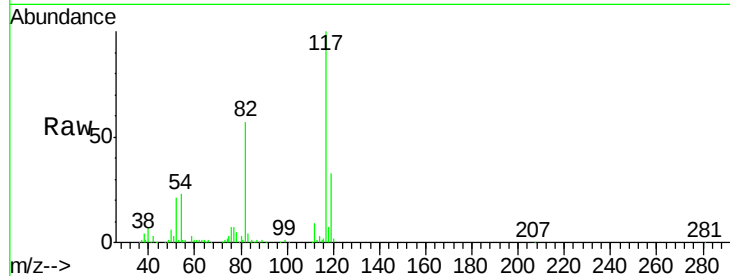




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

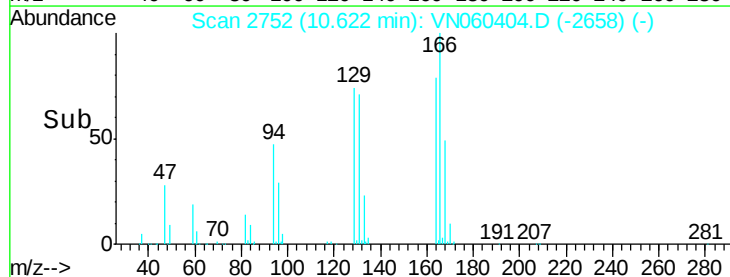
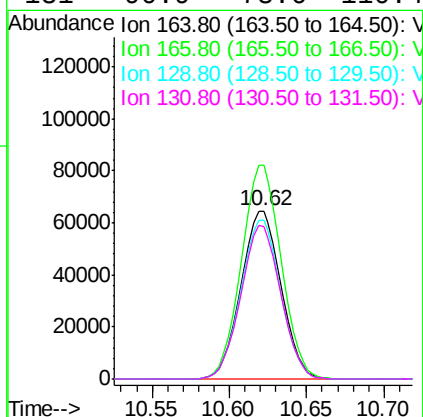
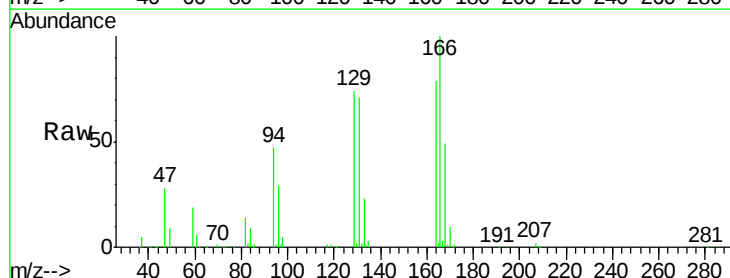
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

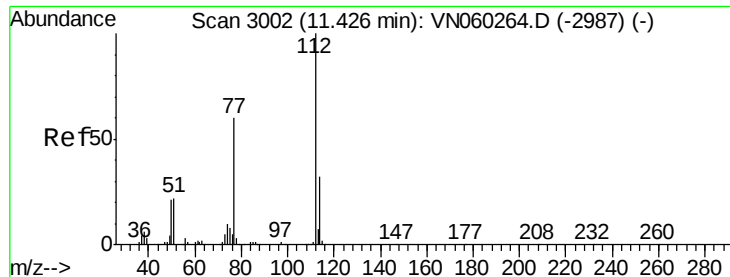
Tgt Ion:117 Resp: 311899
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.6 25.8 38.8



#64
Tetrachloroethene
Concen: 47.12 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion:164 Resp: 115907
Ion Ratio Lower Upper
164 100
166 127.2 102.0 153.0
129 94.4 76.4 114.6
131 90.9 73.6 110.4





#65

Chlorobenzene

Concen: 44.97 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

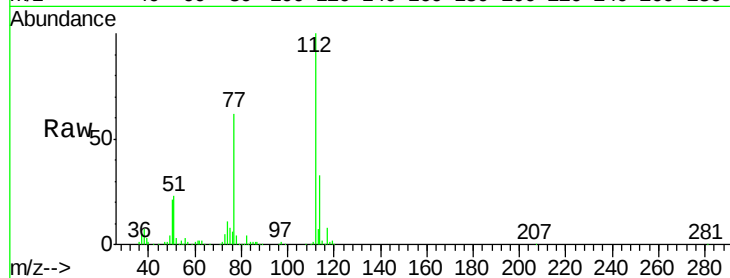
VSTDCCC050EC

Tgt Ion:112 Resp: 283199

Ion Ratio Lower Upper

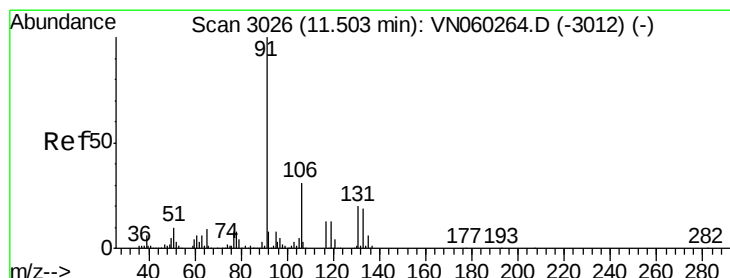
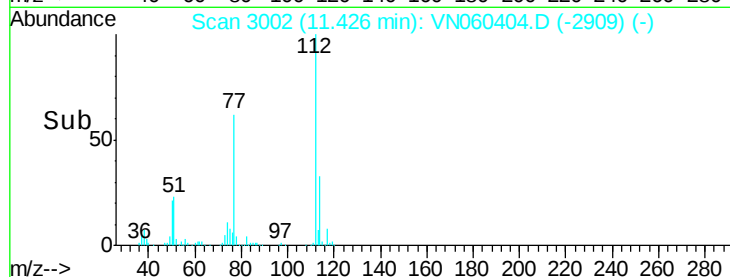
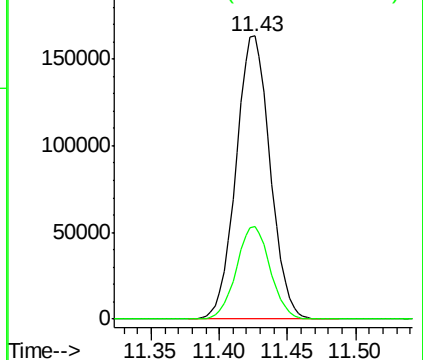
112 100

114 32.6 25.4 38.0



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: 47.00 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

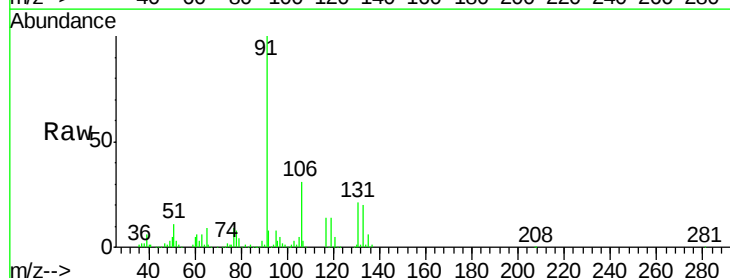
Tgt Ion:131 Resp: 109452

Ion Ratio Lower Upper

131 100

133 96.8 47.7 143.1

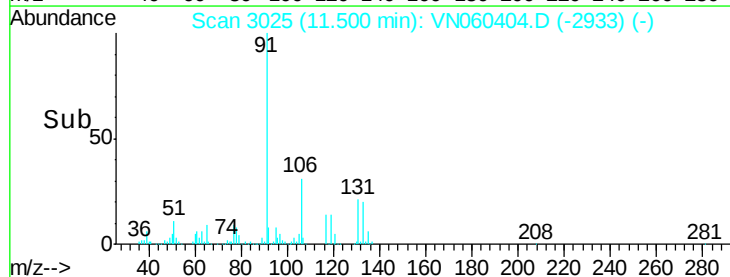
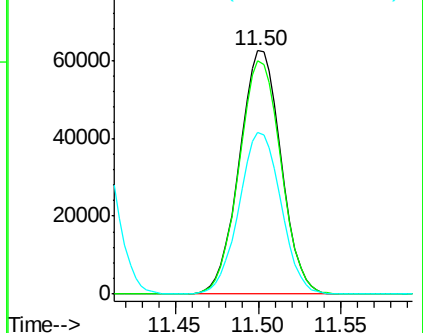
119 66.6 33.2 99.6

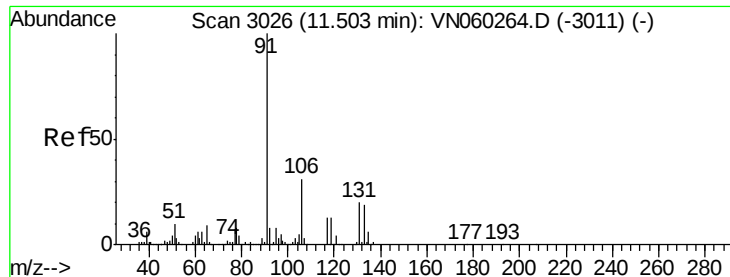


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.35 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

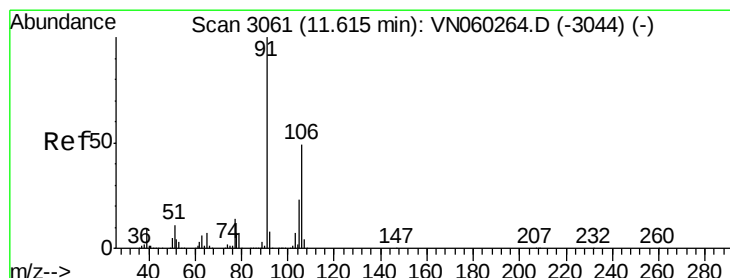
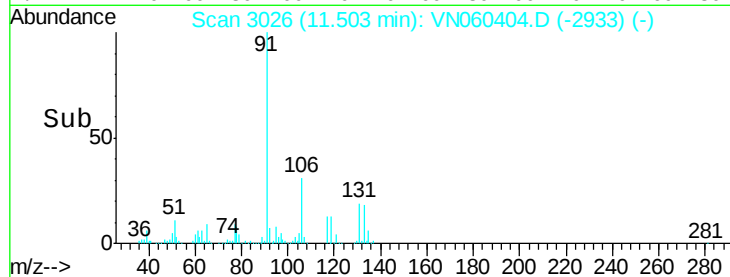
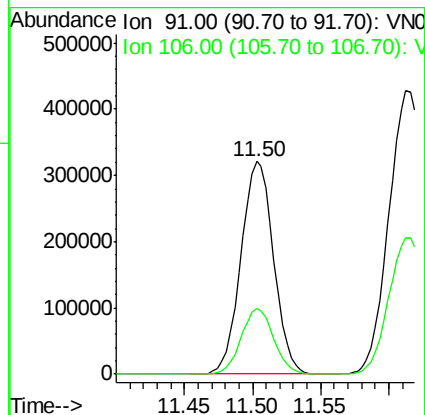
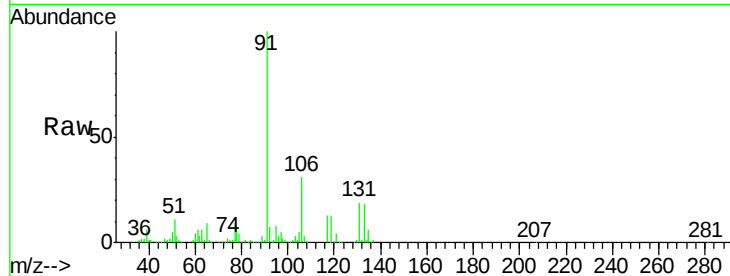
VSTDCCC050EC

Tgt Ion: 91 Resp: 531545

Ion Ratio Lower Upper

91 100

106 30.7 24.7 37.1



#68

m/p-Xylenes

Concen: 91.51 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060404.D

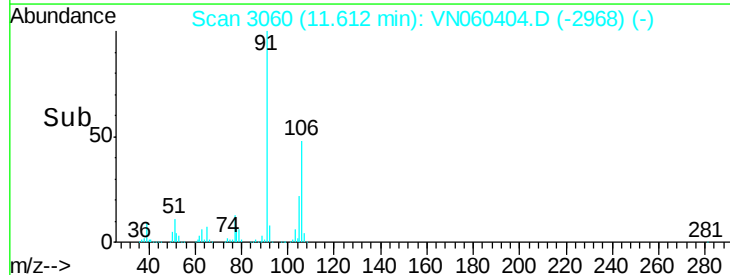
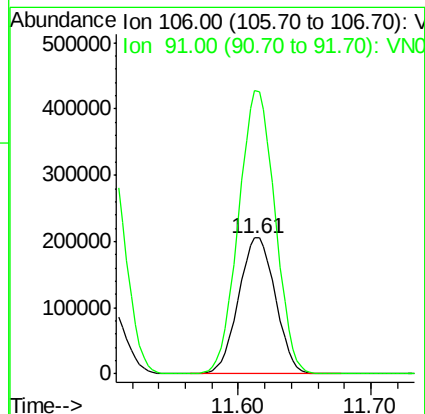
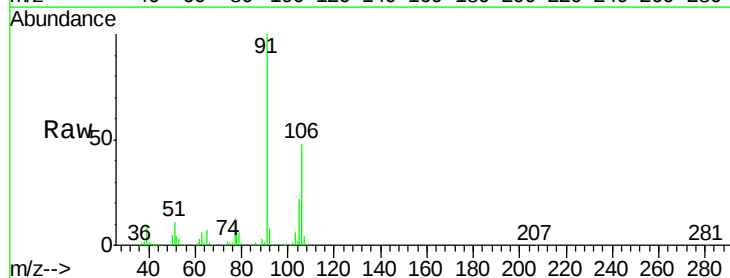
Acq: 9 Mar 2020 15:56

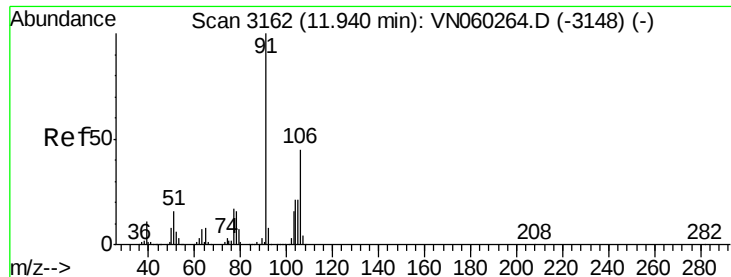
Tgt Ion: 106 Resp: 395968

Ion Ratio Lower Upper

106 100

91 205.9 164.5 246.7

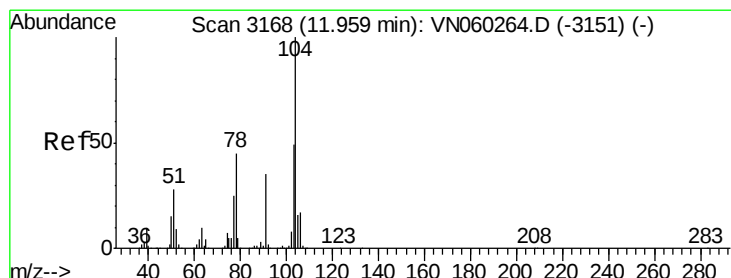
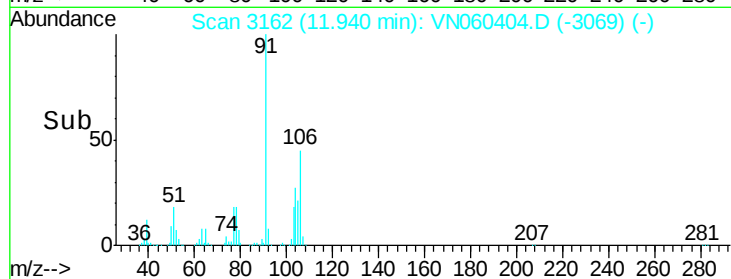
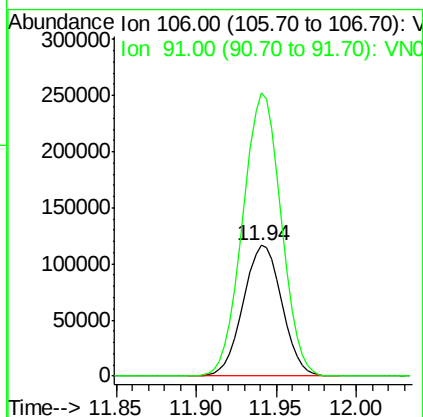
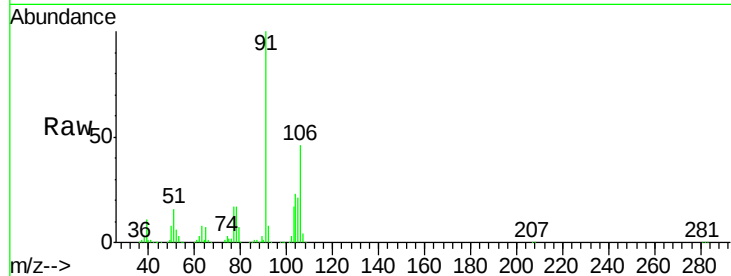




#69
o-Xylene
Concen: 46.74 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

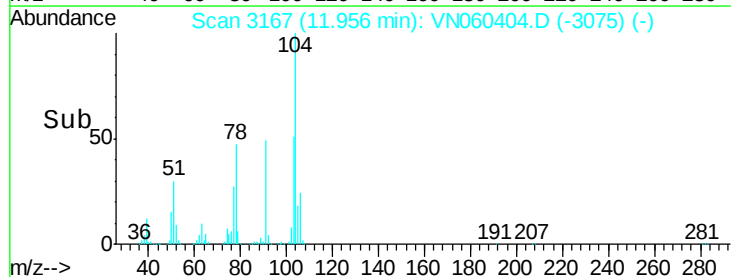
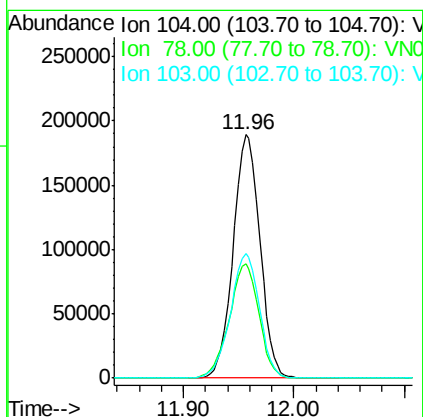
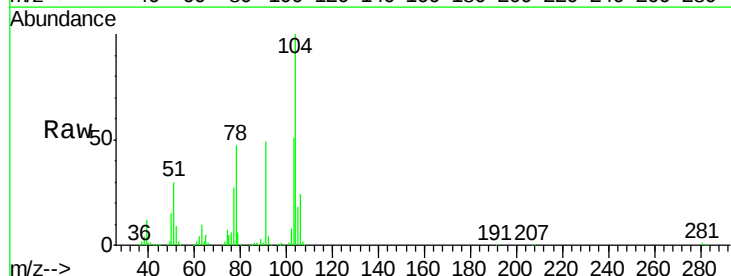
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

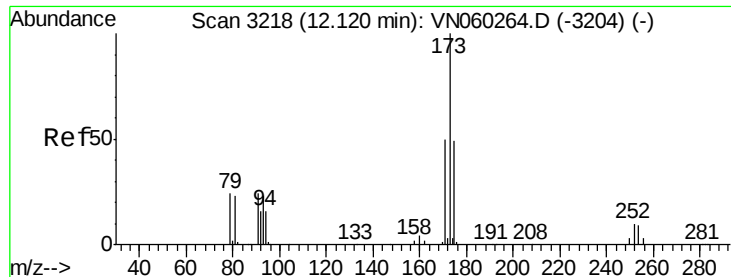
Tgt Ion:106 Resp: 192871
Ion Ratio Lower Upper
106 100
91 214.5 109.5 328.4



#70
Styrene
Concen: 47.05 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion:104 Resp: 319173
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 55.4 43.9 65.9

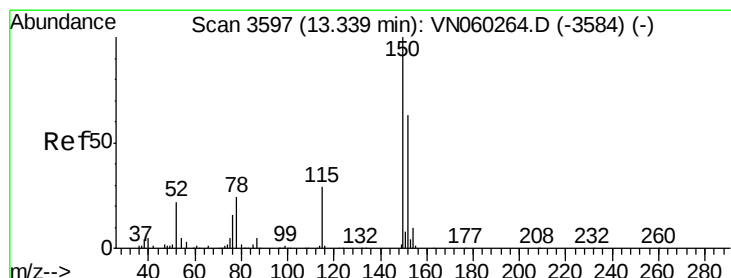
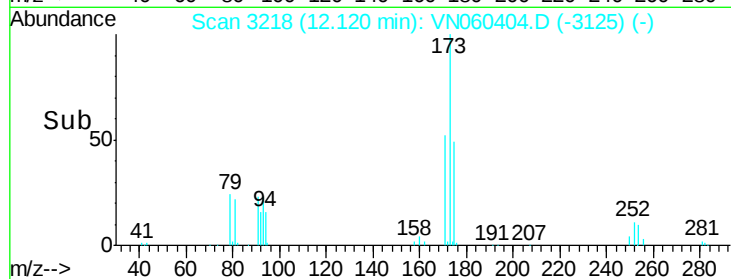
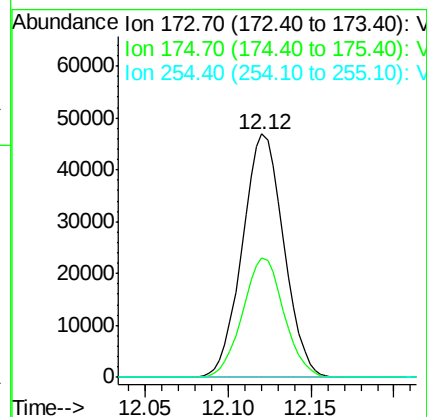
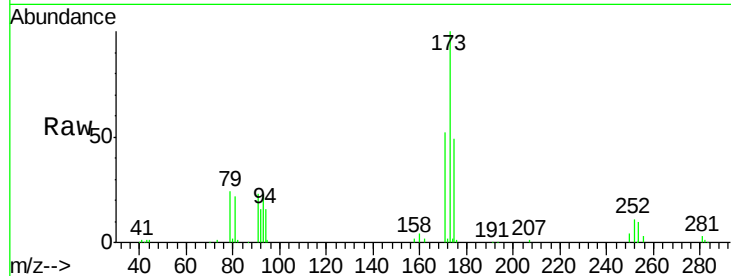




#71
Bromoform
Concen: 48.60 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

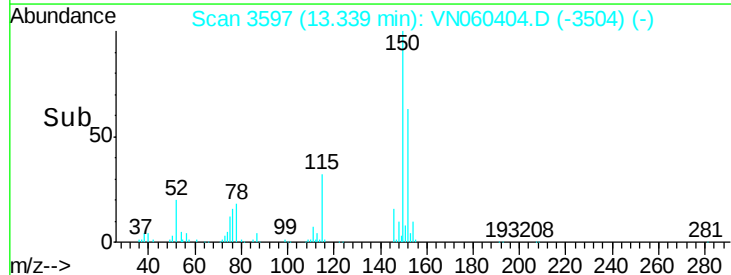
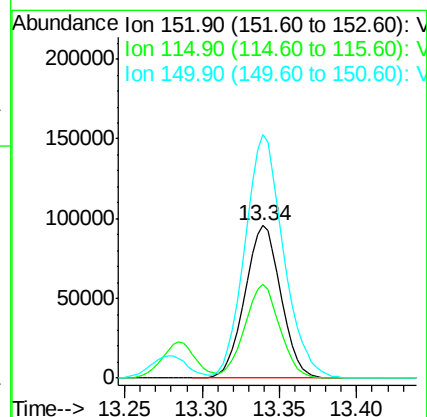
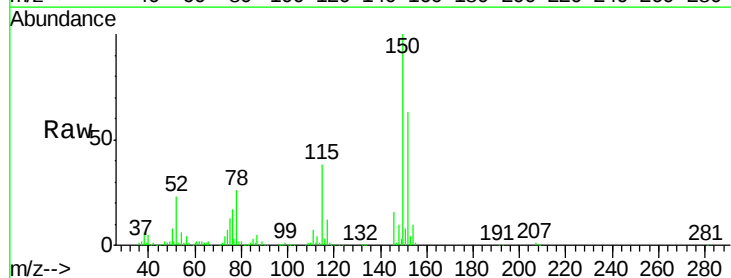
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

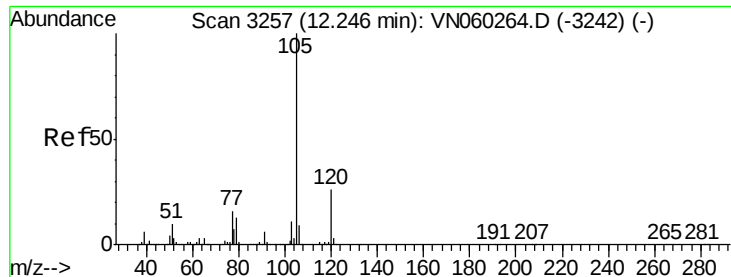
Tgt Ion:173 Resp: 81571
Ion Ratio Lower Upper
173 100
175 49.0 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion:152 Resp: 154787
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 171.6 0.0 349.6





#73

Isopropylbenzene

Concen: 45.60 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

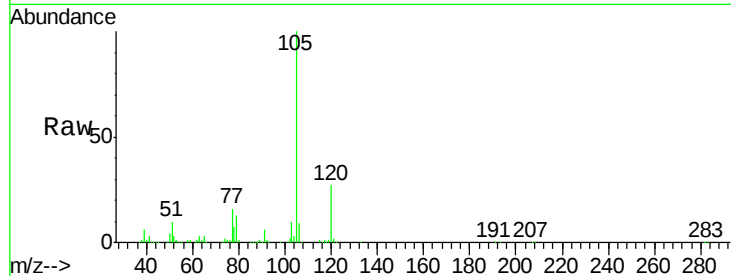
VSTDCCC050EC

Tgt Ion: 105 Resp: 523126

Ion Ratio Lower Upper

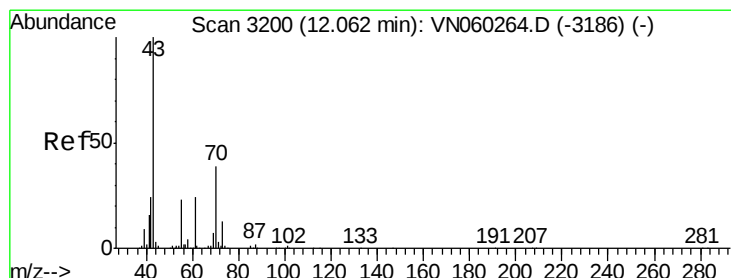
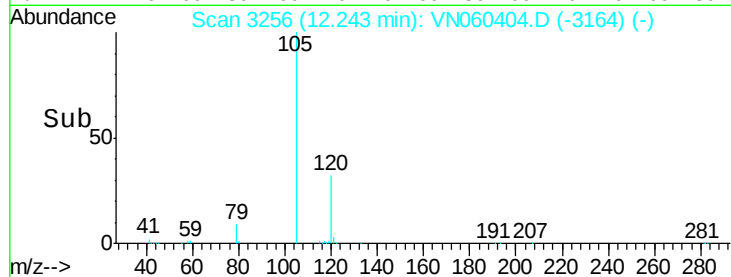
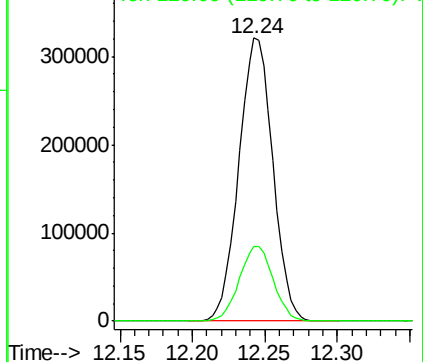
105 100

120 26.3 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.06 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Tgt Ion: 43 Resp: 225883

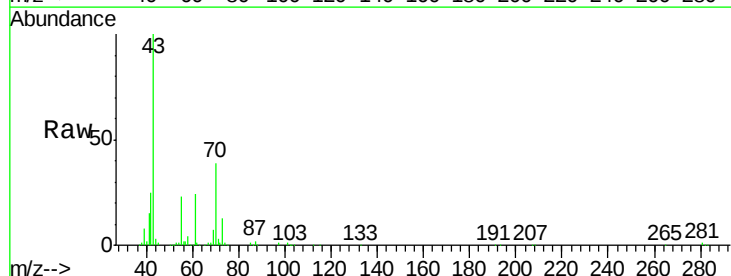
Ion Ratio Lower Upper

43 100

70 39.9 32.2 48.2

55 23.2 18.2 27.4

61 23.5 19.2 28.8

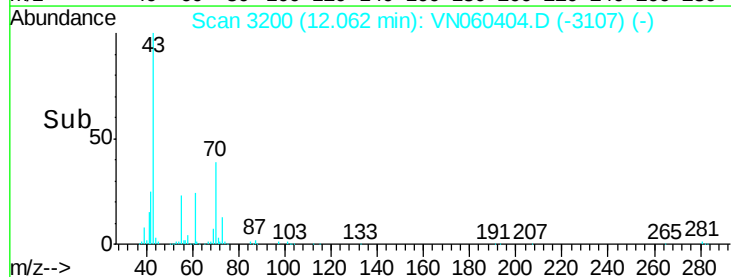
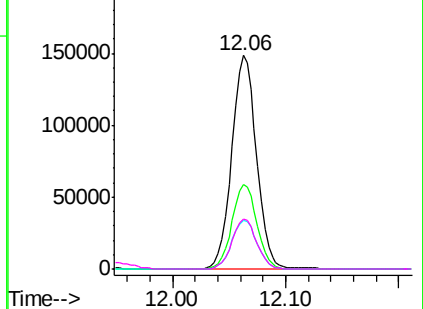


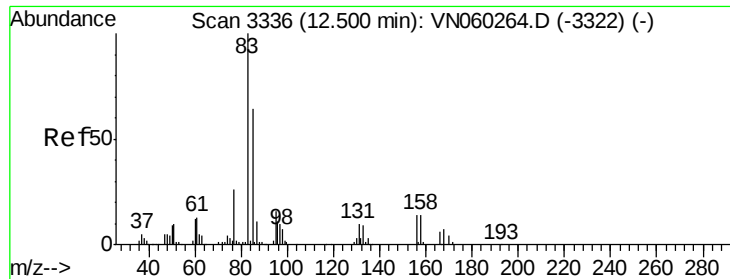
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.50 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

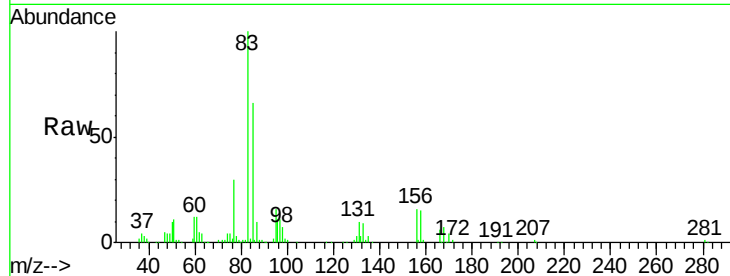
Tgt Ion: 83 Resp: 148127

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.3

85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060404.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060404.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060404.D (-3322) (-)

12.50

80000

60000

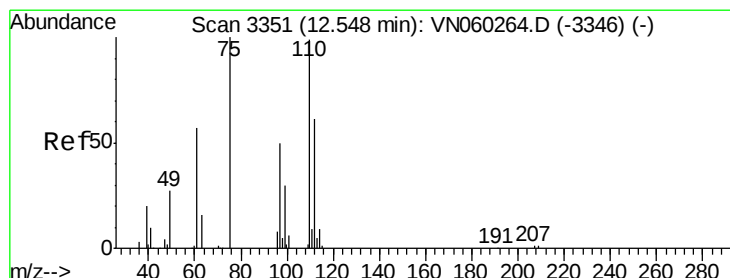
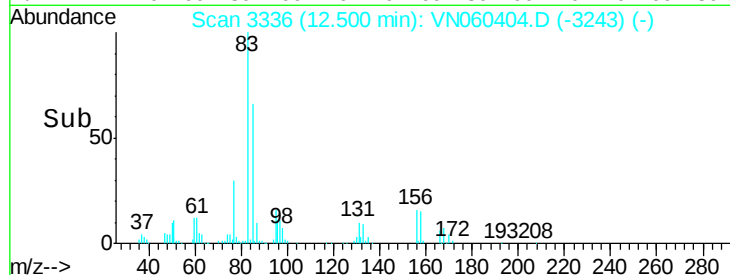
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 59.56 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060404.D

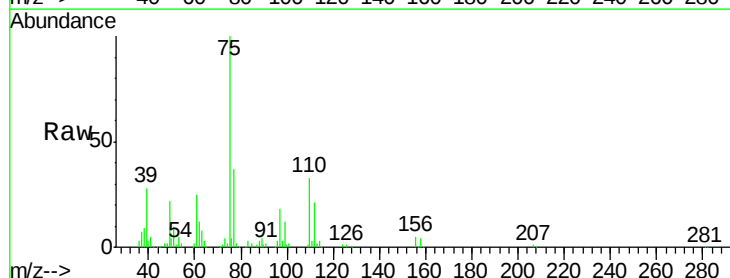
Acq: 9 Mar 2020 15:56

Tgt Ion: 75 Resp: 202277

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060404.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060404.D (-3346) (-)

12.55

150000

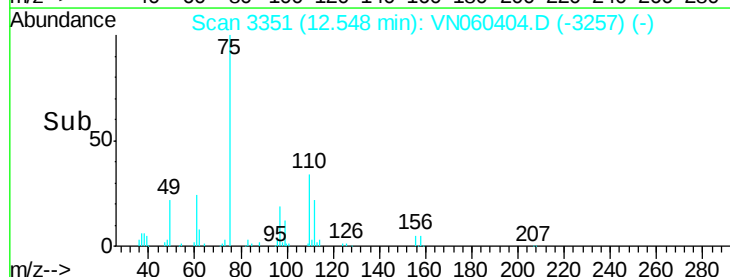
100000

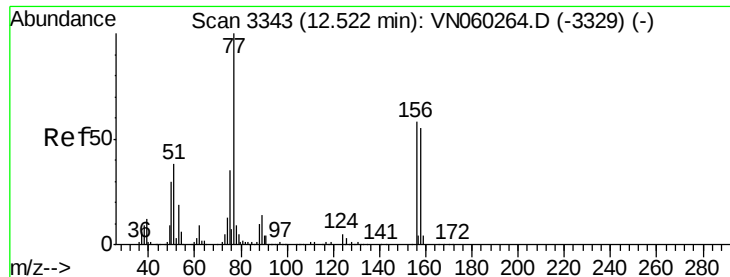
50000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 44.87 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

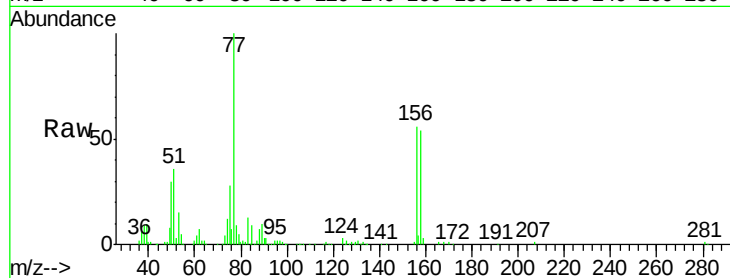
Tgt Ion:156 Resp: 126183

Ion Ratio Lower Upper

156 100

77 212.7 106.1 318.3

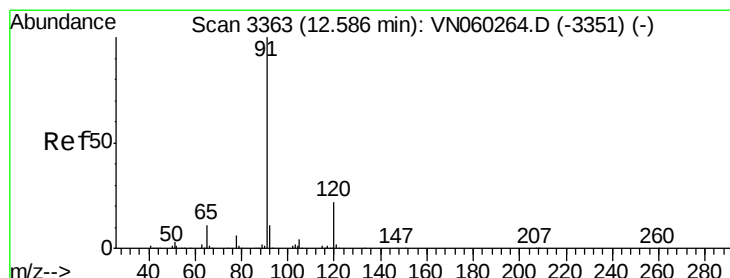
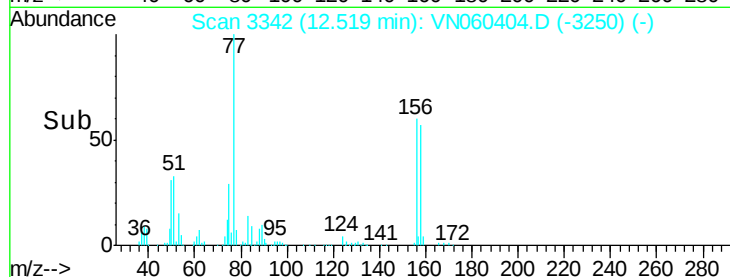
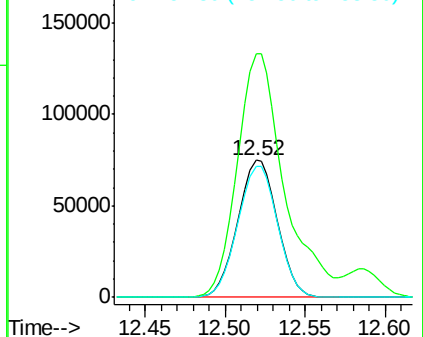
158 96.3 48.3 144.8



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: 45.63 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060404.D

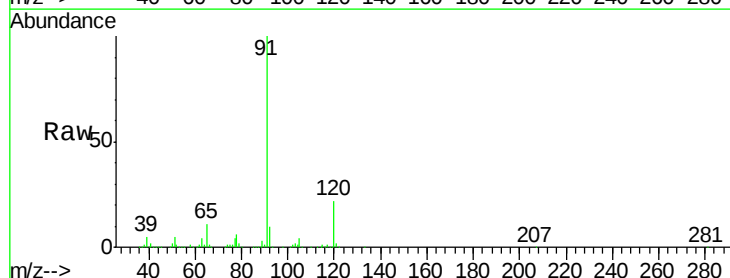
Acq: 9 Mar 2020 15:56

Tgt Ion: 91 Resp: 613685

Ion Ratio Lower Upper

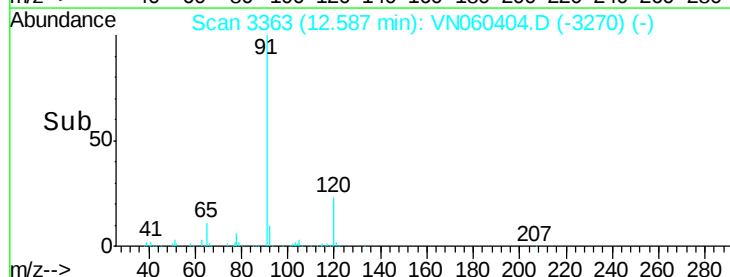
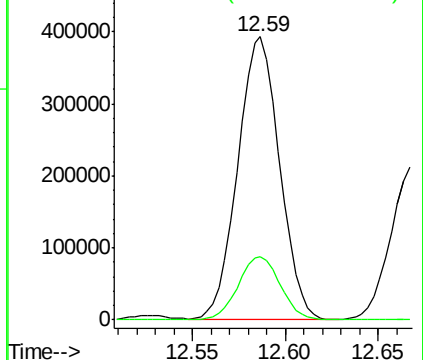
91 100

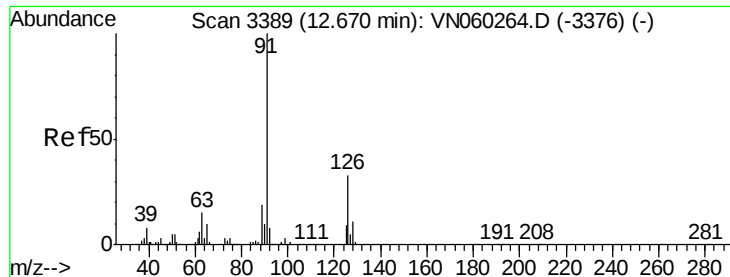
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.15 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

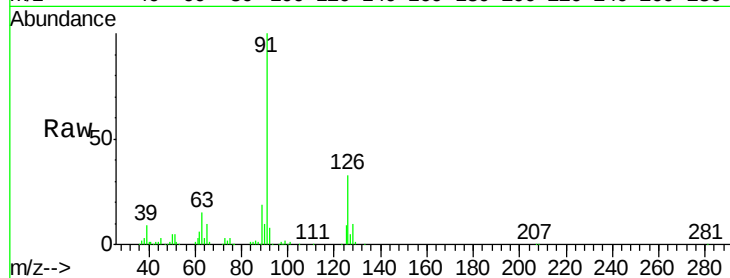
VSTDCCC050EC

Tgt Ion: 91 Resp: 356895

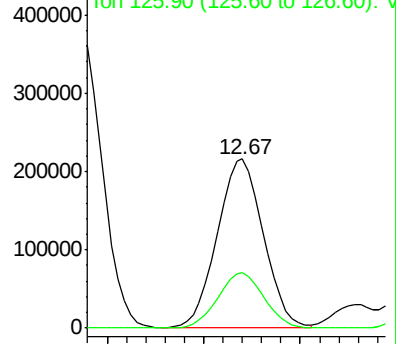
Ion Ratio Lower Upper

91 100

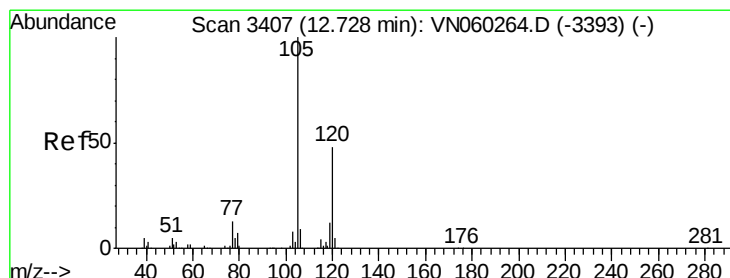
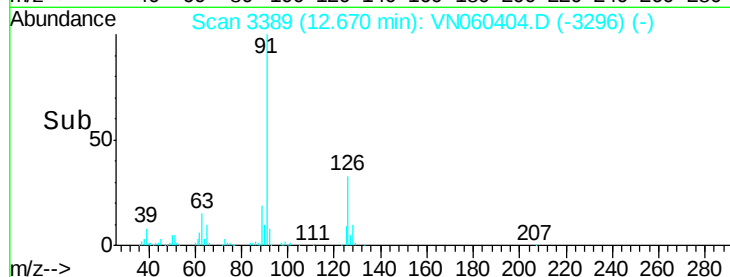
126 33.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060404.D (-3376) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.86 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060404.D

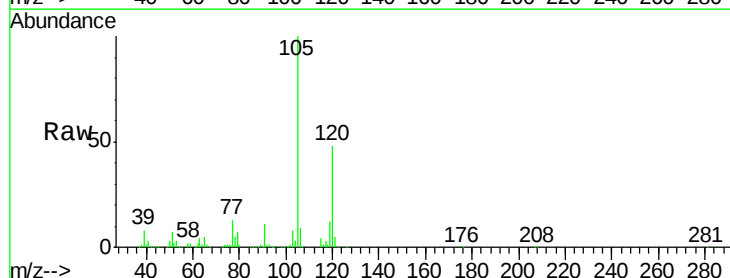
Acq: 9 Mar 2020 15:56

Tgt Ion: 105 Resp: 442974

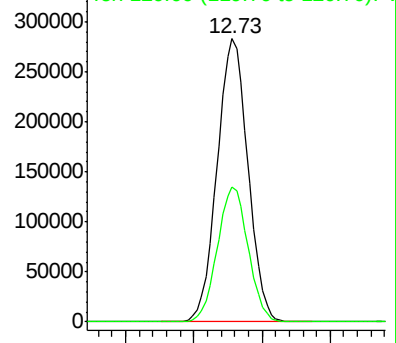
Ion Ratio Lower Upper

105 100

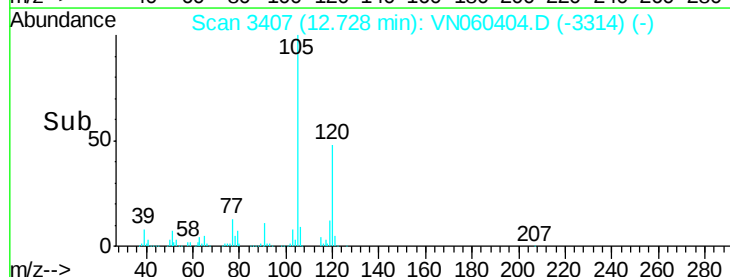
120 47.6 24.1 72.4

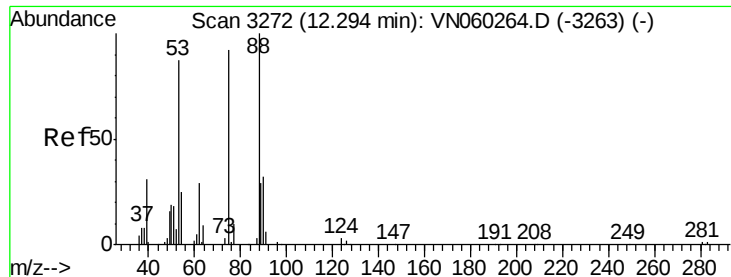


Abundance Ion 105.00 (104.70 to 105.70): VN060404.D (-3393) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.41 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

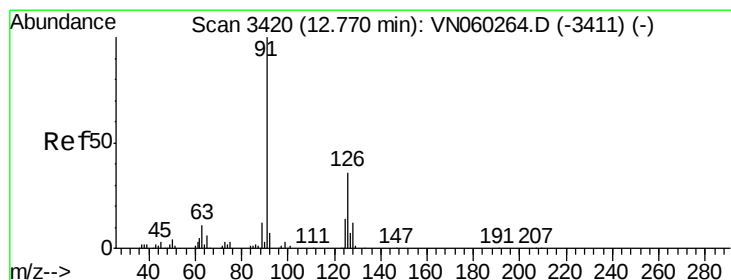
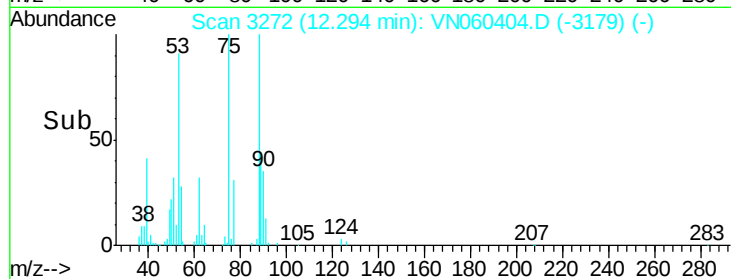
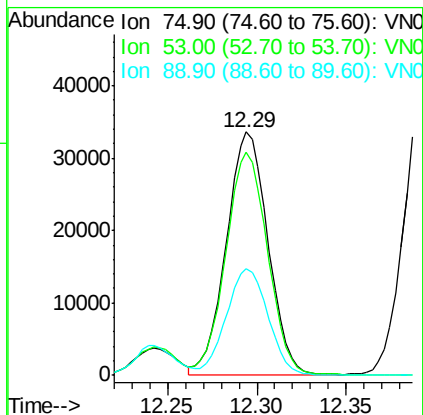
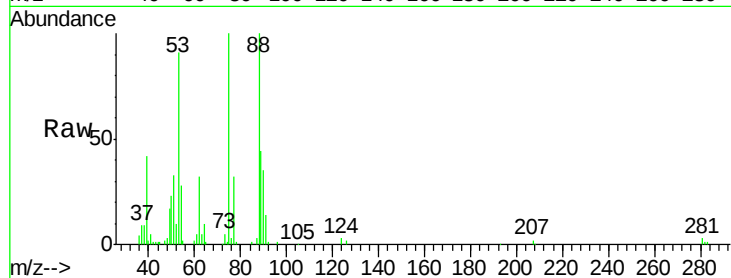
Tgt Ion: 75 Resp: 54631

Ion Ratio Lower Upper

75 100

53 92.1 73.8 110.6

89 44.0 57.1 85.7#



#82

4-Chlorotoluene

Concen: 44.78 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060404.D

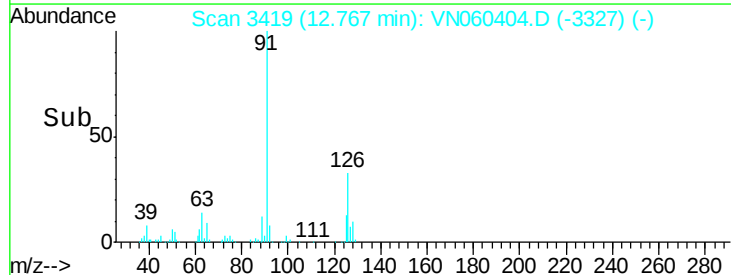
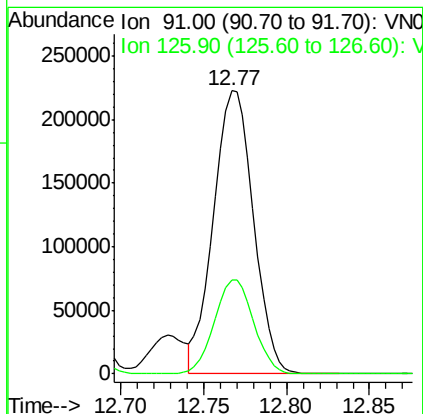
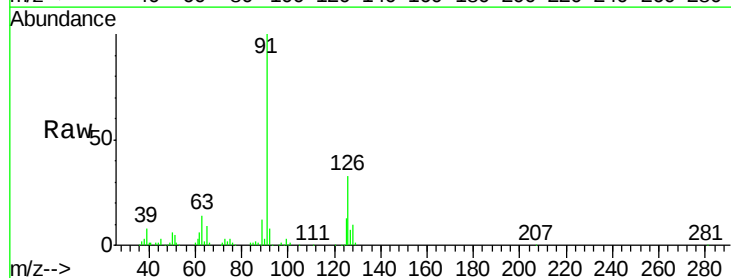
Acq: 9 Mar 2020 15:56

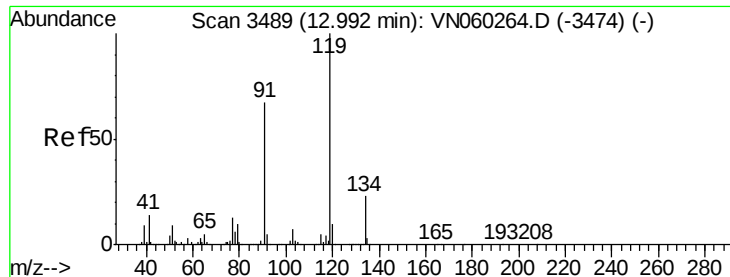
Tgt Ion: 91 Resp: 372965

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1

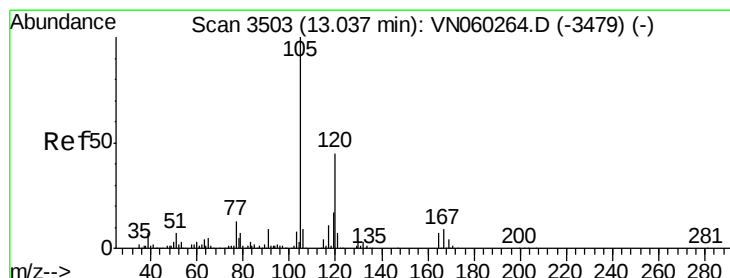
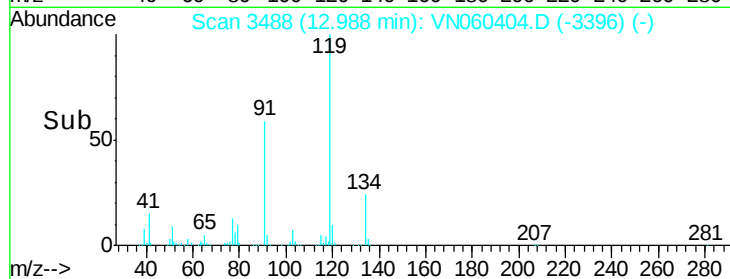
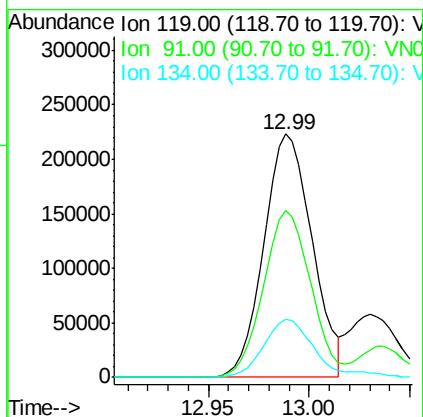
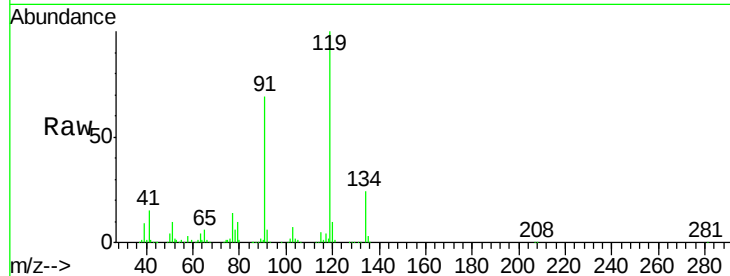




#83
 tert-Butylbenzene
 Concen: 44.42 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

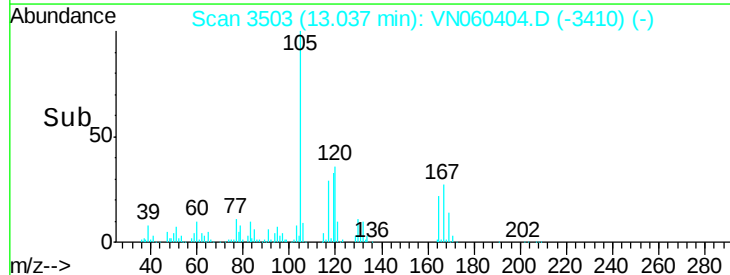
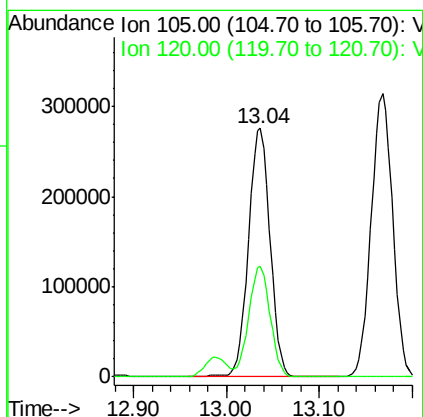
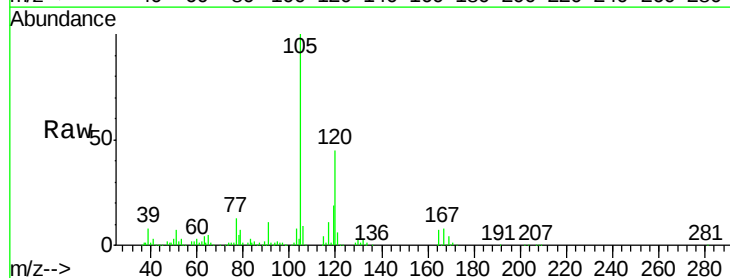
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

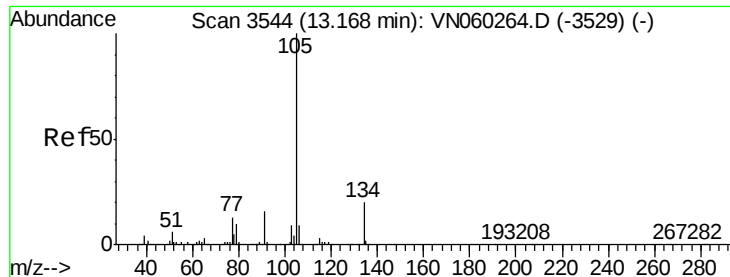
Tgt Ion:119 Resp: 371453
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.1 99.2
 134 25.4 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 45.61 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion:105 Resp: 444719
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.3 66.9

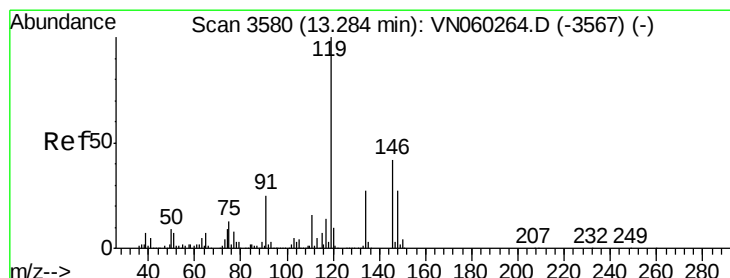
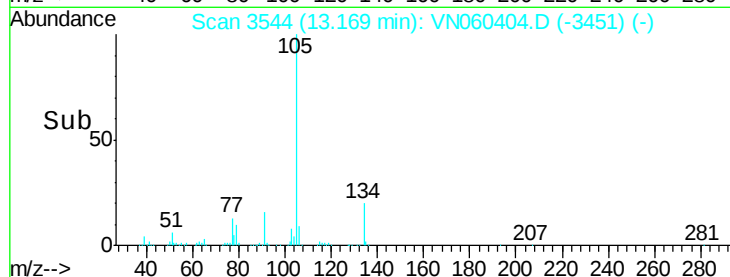
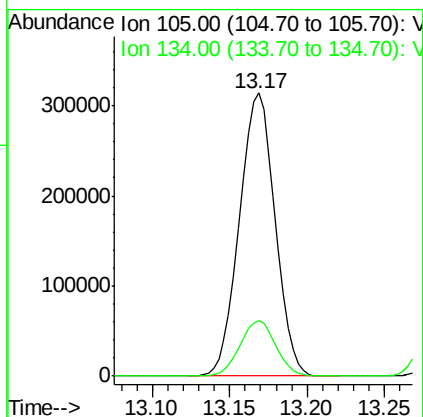
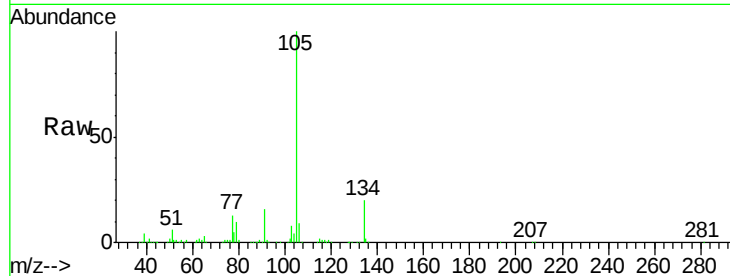




#85
 sec-Butylbenzene
 Concen: 45.00 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

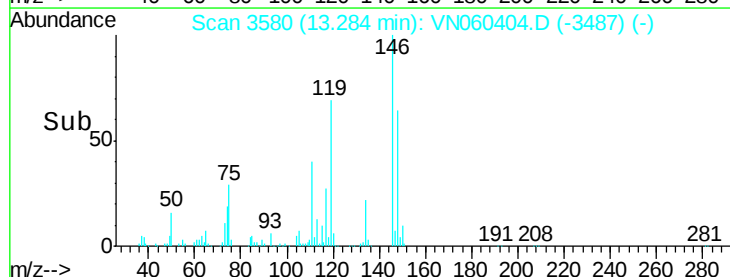
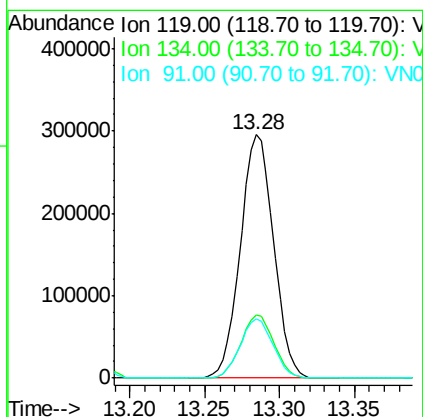
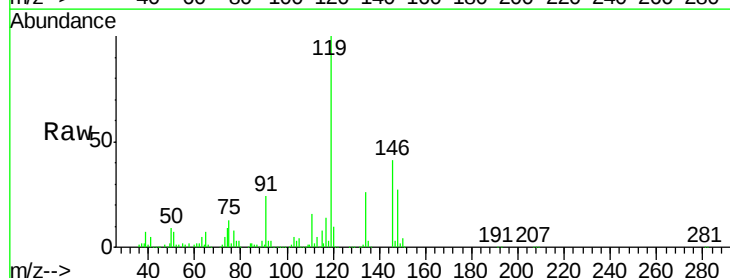
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

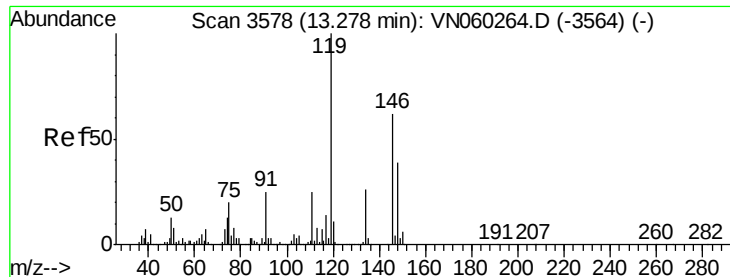
Tgt Ion:105 Resp: 503991
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 43.91 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion:119 Resp: 455150
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.6
 91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 47.77 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

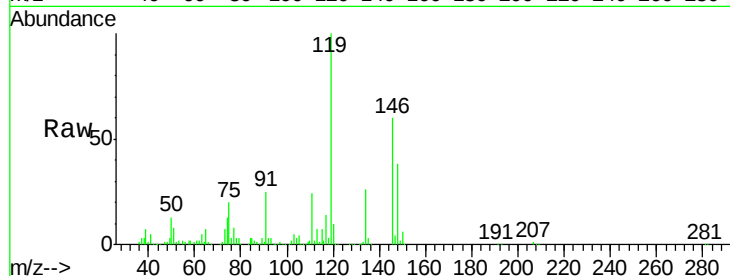
Tgt Ion:146 Resp: 230871

Ion Ratio Lower Upper

146 100

111 39.8 20.0 59.9

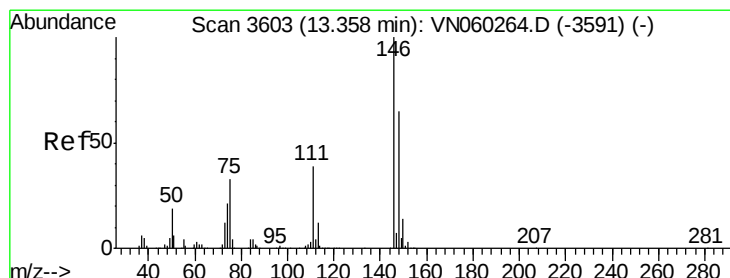
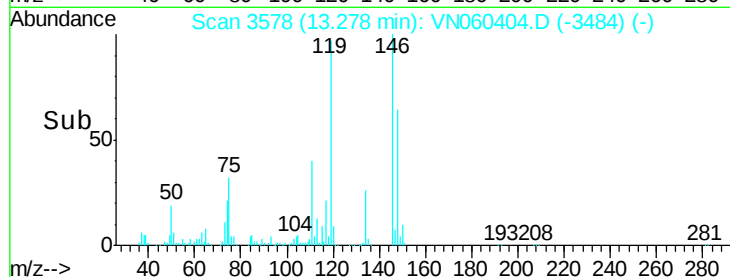
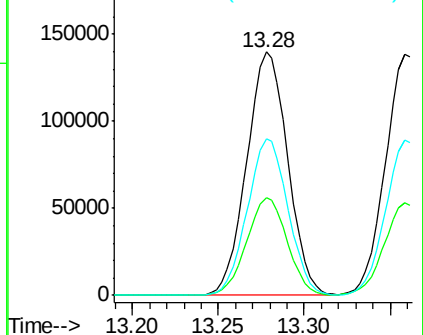
148 63.9 32.1 96.3



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: 47.49 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

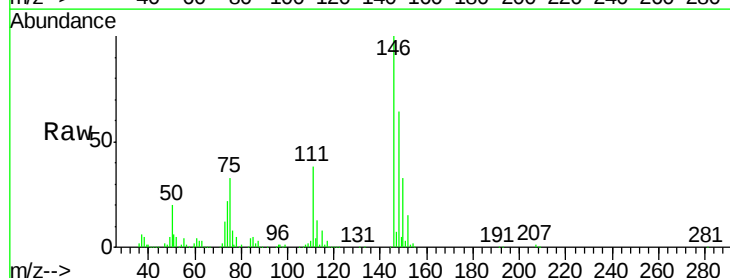
Tgt Ion:146 Resp: 228249

Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.4

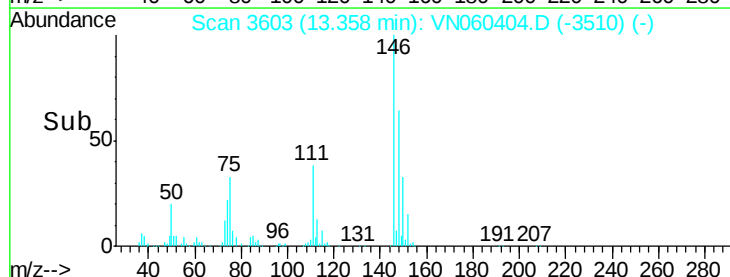
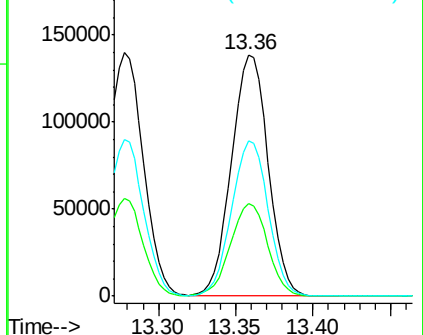
148 64.1 32.3 96.9

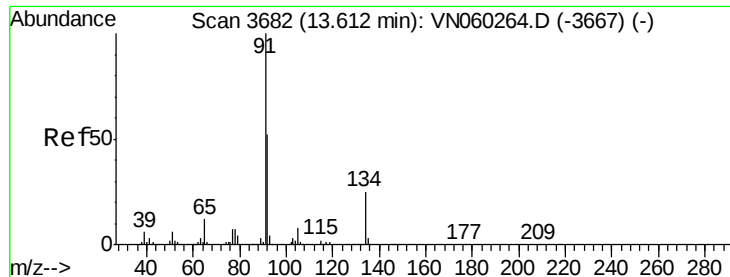


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

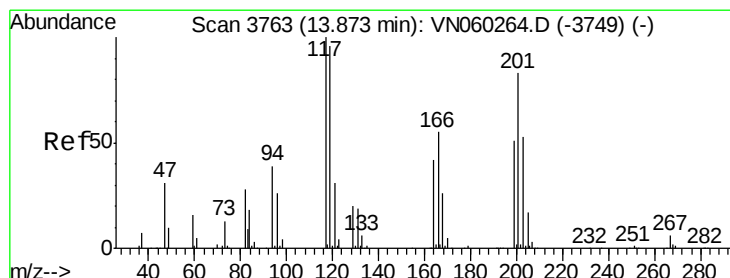
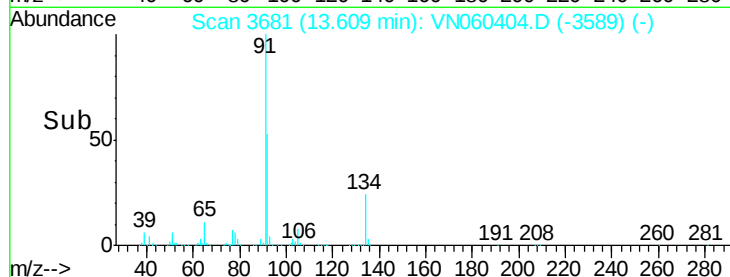
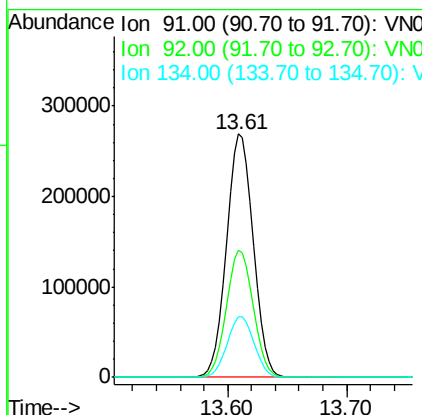
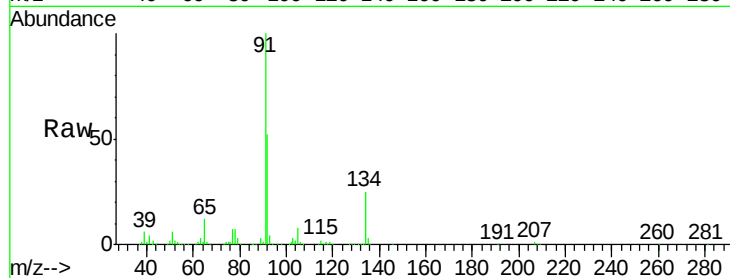




#89
n-Butylbenzene
Concen: 43.96 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

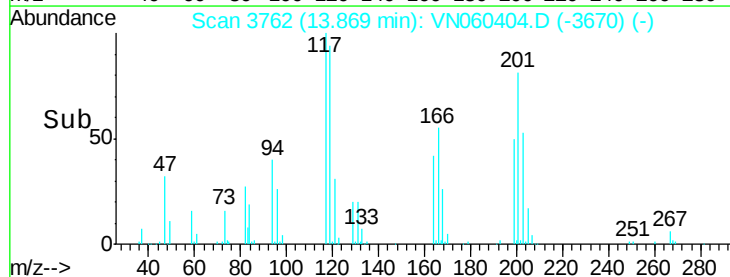
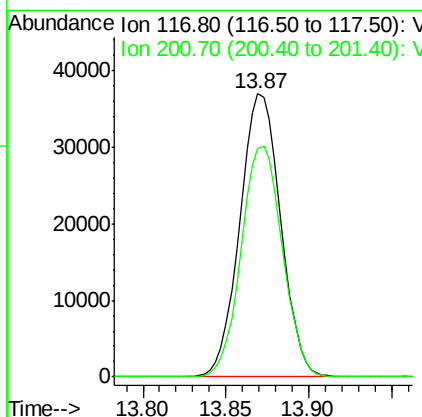
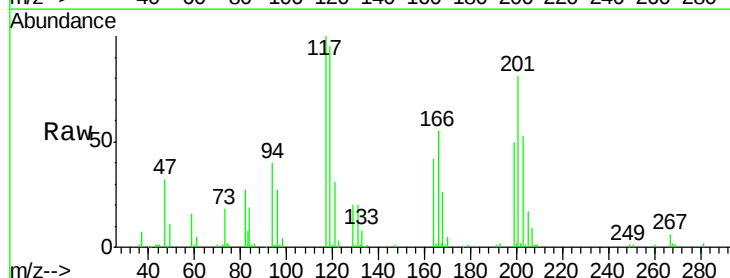
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

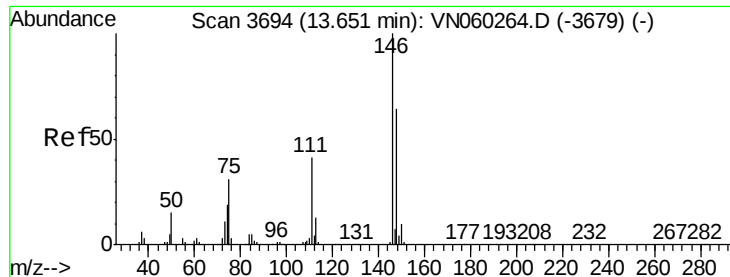
Tgt Ion: 91 Resp: 418270
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 25.3 12.7 38.1



#90
Hexachloroethane
Concen: 42.16 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060404.D
Acq: 9 Mar 2020 15:56

Tgt Ion: 117 Resp: 63250
Ion Ratio Lower Upper
117 100
201 82.1 41.0 123.0

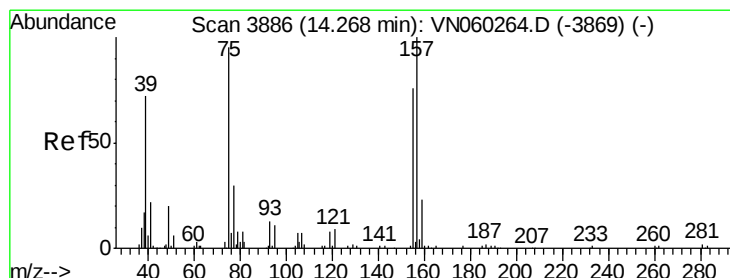
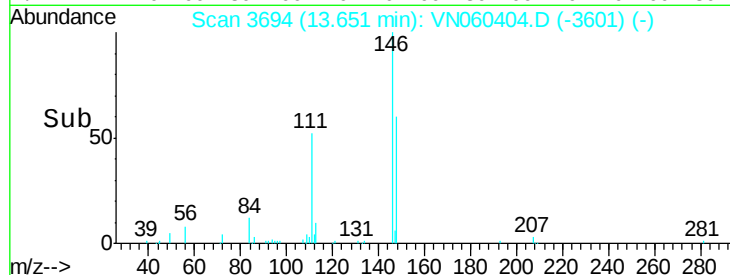
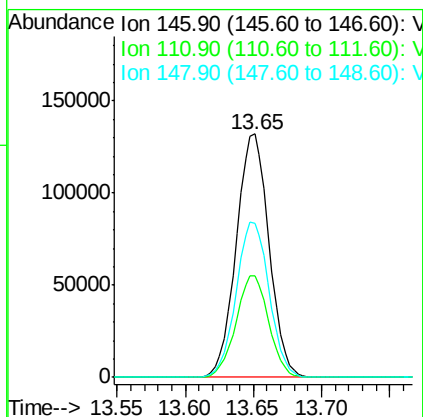
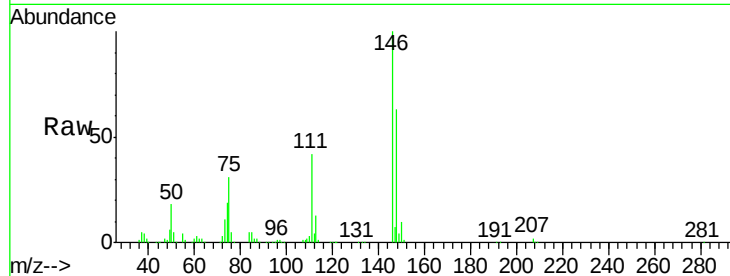




#91
 1,2-Dichlorobenzene
 Concen: 44.66 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

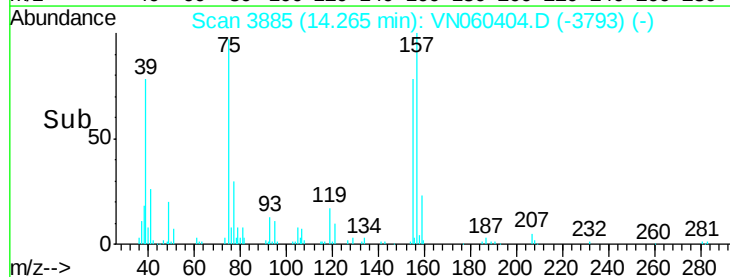
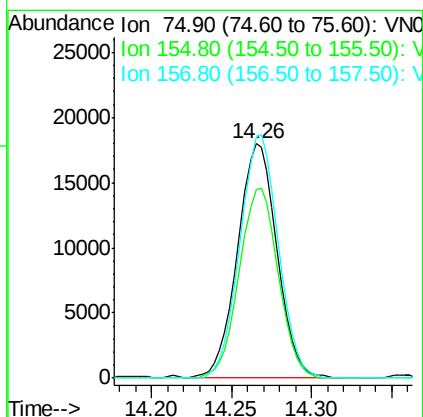
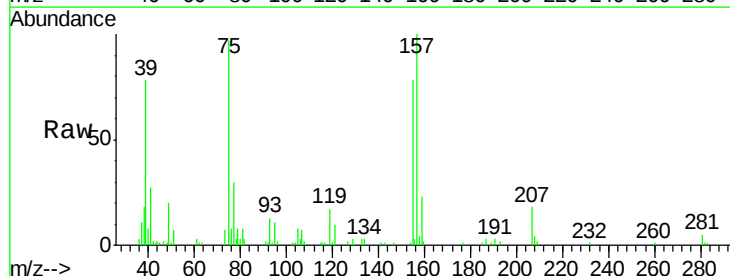
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

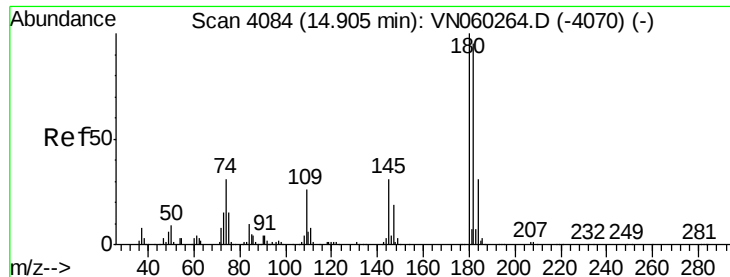
Tgt Ion:146 Resp: 220087
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.3 61.0
 148 64.3 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.89 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion: 75 Resp: 30291
 Ion Ratio Lower Upper
 75 100
 155 79.8 40.4 121.2
 157 101.1 52.5 157.5

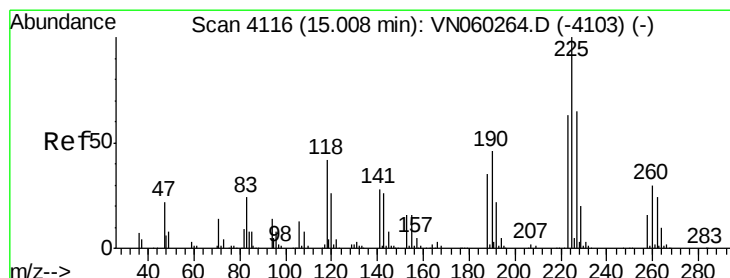
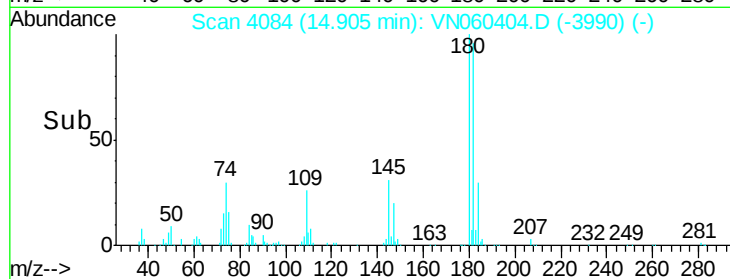
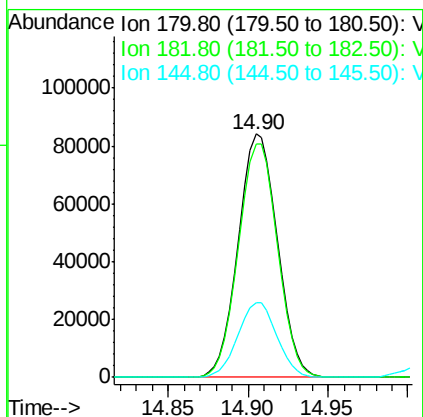
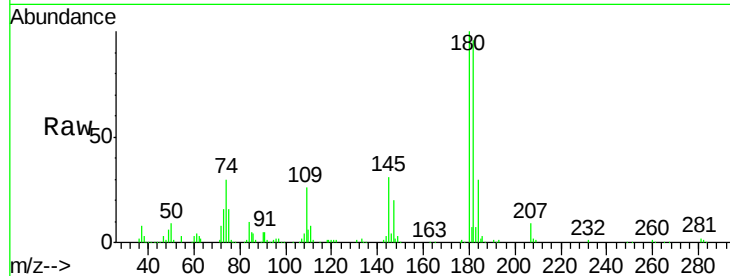




#93
 1,2,4-Trichlorobenzene
 Concen: 44.79 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

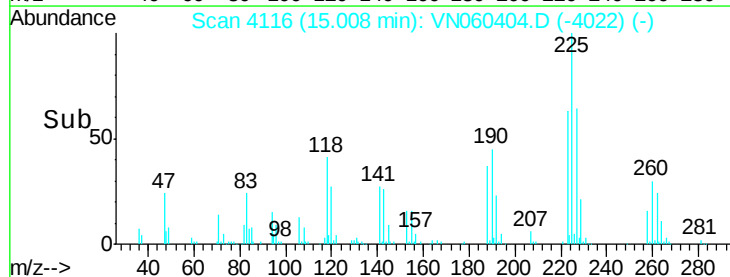
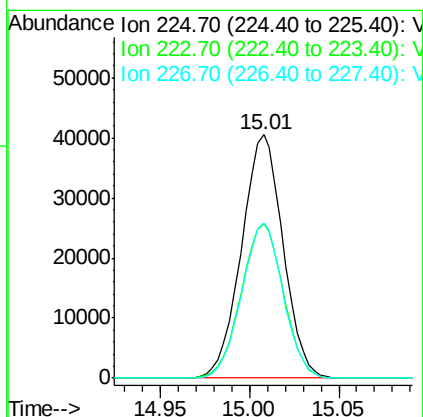
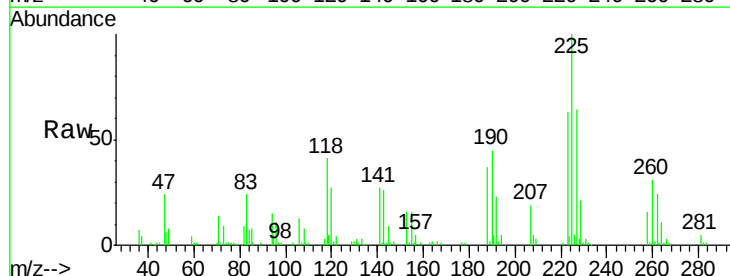
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

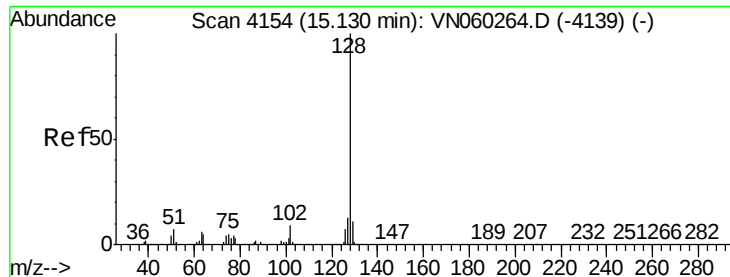
Tgt Ion:180 Resp: 140224
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.8 143.3
 145 30.7 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 45.71 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060404.D
 Acq: 9 Mar 2020 15:56

Tgt Ion:225 Resp: 65858
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.3 93.9
 227 63.5 32.3 96.9





#95

Naphthalene

Concen: 42.46 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

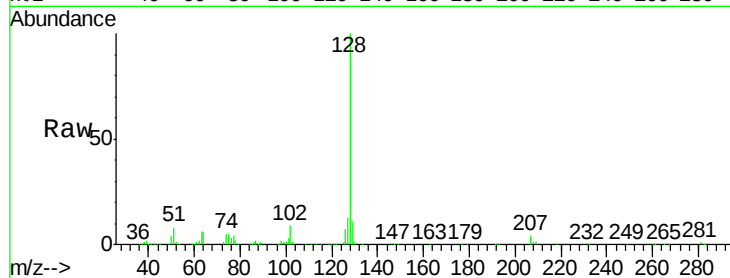
Tgt Ion:128 Resp: 391954

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

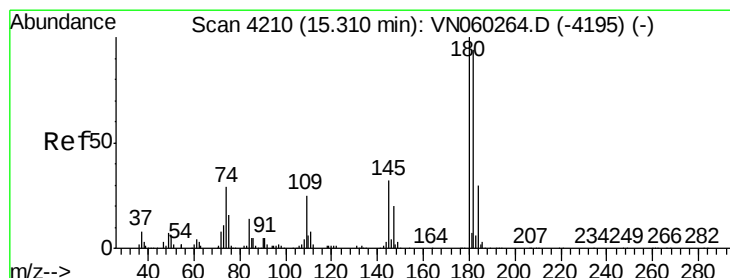
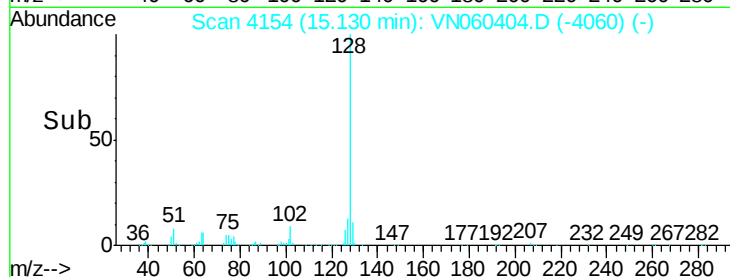
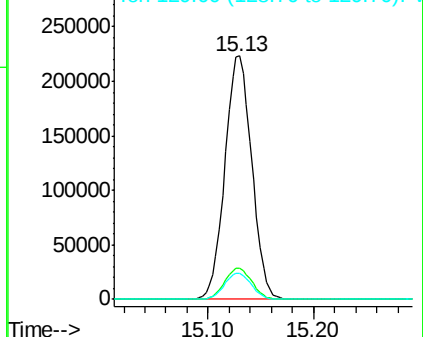
129 10.8 8.6 13.0



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: 43.74 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060404.D

Acq: 9 Mar 2020 15:56

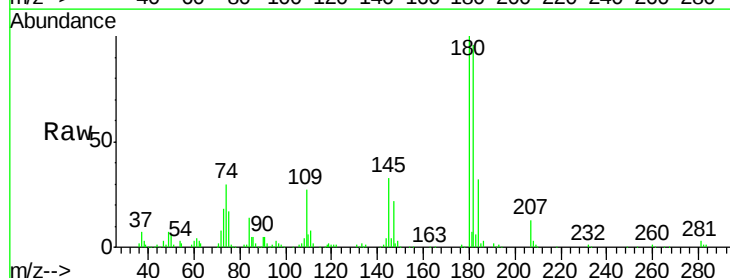
Tgt Ion:180 Resp: 129049

Ion Ratio Lower Upper

180 100

182 95.9 47.3 142.0

145 32.8 16.2 48.5



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

