

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060406.D
 Acq On : 10 Mar 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 11 06:37:34 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	197520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148167	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	128144	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.56	113	93455	62.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.58%	
50) Toluene-d8	10.08	98	378635	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	145579	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	75936	41.931	ug/l 98
3) Chloromethane	2.03	50	138151	43.817	ug/l 98
4) Vinyl Chloride	2.16	62	114368	42.296	ug/l 100
5) Bromomethane	2.54	94	44825	40.739	ug/l 98
6) Chloroethane	2.68	64	63861	43.590	ug/l 95
7) Trichlorofluoromethane	3.00	101	153450	44.417	ug/l 99
8) Diethyl Ether	3.38	74	60313	46.238	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90817	46.449	ug/l 99
10) Methyl Iodide	3.93	142	73390	41.128	ug/l 100
11) Tert butyl alcohol	4.73	59	94963	252.361	ug/l 100
12) 1,1-Dichloroethene	3.71	96	87617	46.167	ug/l 100
13) Acrolein	3.57	56	97426	277.526	ug/l 99
14) Allyl chloride	4.29	41	152231	43.509	ug/l 91
15) Acrylonitrile	4.94	53	261422	263.570	ug/l 99
16) Acetone	3.78	43	209214	255.646	ug/l 99
17) Carbon Disulfide	4.03	76	218241	43.243	ug/l 99
18) Methyl Acetate	4.28	43	135402	49.579	ug/l 98
19) Methyl tert-butyl Ether	5.00	73	337802	49.030	ug/l 99
20) Methylene Chloride	4.52	84	103728	46.152	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	95444	46.786	ug/l 99
22) Diisopropyl ether	5.91	45	360440	50.858	ug/l 99
23) Vinyl Acetate	5.86	43	1441582	255.977	ug/l 99
24) 1,1-Dichloroethane	5.82	63	197267	49.172	ug/l 99
25) 2-Butanone	6.80	43	350321	265.020	ug/l 98
26) 2,2-Dichloropropane	6.80	77	176004	48.191	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	117735	45.177	ug/l 98
28) Bromochloromethane	7.17	49	80887	49.107	ug/l 97
29) Tetrahydrofuran	7.18	42	235251	255.931	ug/l 99
30) Chloroform	7.35	83	197590	49.476	ug/l 98
31) Cyclohexane	7.63	56	166477	48.590	ug/l 98
32) 1,1,1-Trichloroethane	7.54	97	171482	48.463	ug/l 99
36) 1,1-Dichloropropene	7.77	75	141091	46.166	ug/l 99
37) Ethyl Acetate	6.89	43	148815	51.425	ug/l 99
38) Carbon Tetrachloride	7.75	117	141522	47.562	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163544	45.386	ug/l	96
40) Benzene	8.02	78	433833	48.772	ug/l	99
41) Methacrylonitrile	7.18	41	216169	161.781	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	158854	49.489	ug/l	99
43) Isopropyl Acetate	8.14	43	261969	51.710	ug/l	99
44) Trichloroethene	8.82	130	116413	46.991	ug/l	99
45) 1,2-Dichloropropane	9.10	63	120422	51.780	ug/l	99
46) Dibromomethane	9.19	93	73725	48.855	ug/l	99
47) Bromodichloromethane	9.39	83	158480	51.636	ug/l	99
48) Methyl methacrylate	9.18	41	116714	50.521	ug/l	99
49) 1,4-Dioxane	9.18	88	32869	1011.732	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	770438	268.221	ug/l	100
52) Toluene	10.14	92	272211	48.717	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	184607	49.088	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	191610	49.170	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110816	49.317	ug/l	98
56) Ethyl methacrylate	10.42	69	170993	52.969	ug/l	98
57) 1,3-Dichloropropane	10.70	76	187285	51.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	432269	256.028	ug/l	99
59) 2-Hexanone	10.74	43	562708	266.815	ug/l	99
60) Dibromochloromethane	10.89	129	118414	51.819	ug/l	99
61) 1,2-Dibromoethane	11.00	107	110057	50.244	ug/l	99
64) Tetrachloroethene	10.62	164	119405	50.594	ug/l	99
65) Chlorobenzene	11.43	112	289226	47.769	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110943	49.557	ug/l	99
67) Ethyl Benzene	11.50	91	535214	48.541	ug/l	100
68) m/p-Xylenes	11.62	106	398860	95.879	ug/l	100
69) o-Xylene	11.94	106	195002	49.156	ug/l	99
70) Styrene	11.96	104	323474	49.596	ug/l	100
71) Bromoform	12.12	173	85510	52.998	ug/l #	99
73) Isopropylbenzene	12.24	105	526074	47.903	ug/l	99
74) N-amyl acetate	12.06	43	235979	49.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153584	51.449	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	217308	66.848	ug/l #	100
77) Bromobenzene	12.52	156	127729	47.448	ug/l	98
78) n-propylbenzene	12.59	91	622799	48.381	ug/l	99
79) 2-Chlorotoluene	12.67	91	360316	47.617	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	446545	48.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	60326	51.227	ug/l #	85
82) 4-Chlorotoluene	12.77	91	377592	47.363	ug/l	99
83) tert-Butylbenzene	12.99	119	376158	46.988	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	445277	47.711	ug/l	99
85) sec-Butylbenzene	13.17	105	510376	47.609	ug/l	99
86) p-Isopropyltoluene	13.28	119	463587	46.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	231045	49.949	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	229270	49.846	ug/l	99
89) n-Butylbenzene	13.61	91	426420	46.816	ug/l	99
90) Hexachloroethane	13.87	117	65875	45.868	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	222647	47.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31966	47.286	ug/l	99

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QLast Update : Thu Feb 27 13:52:50 2020
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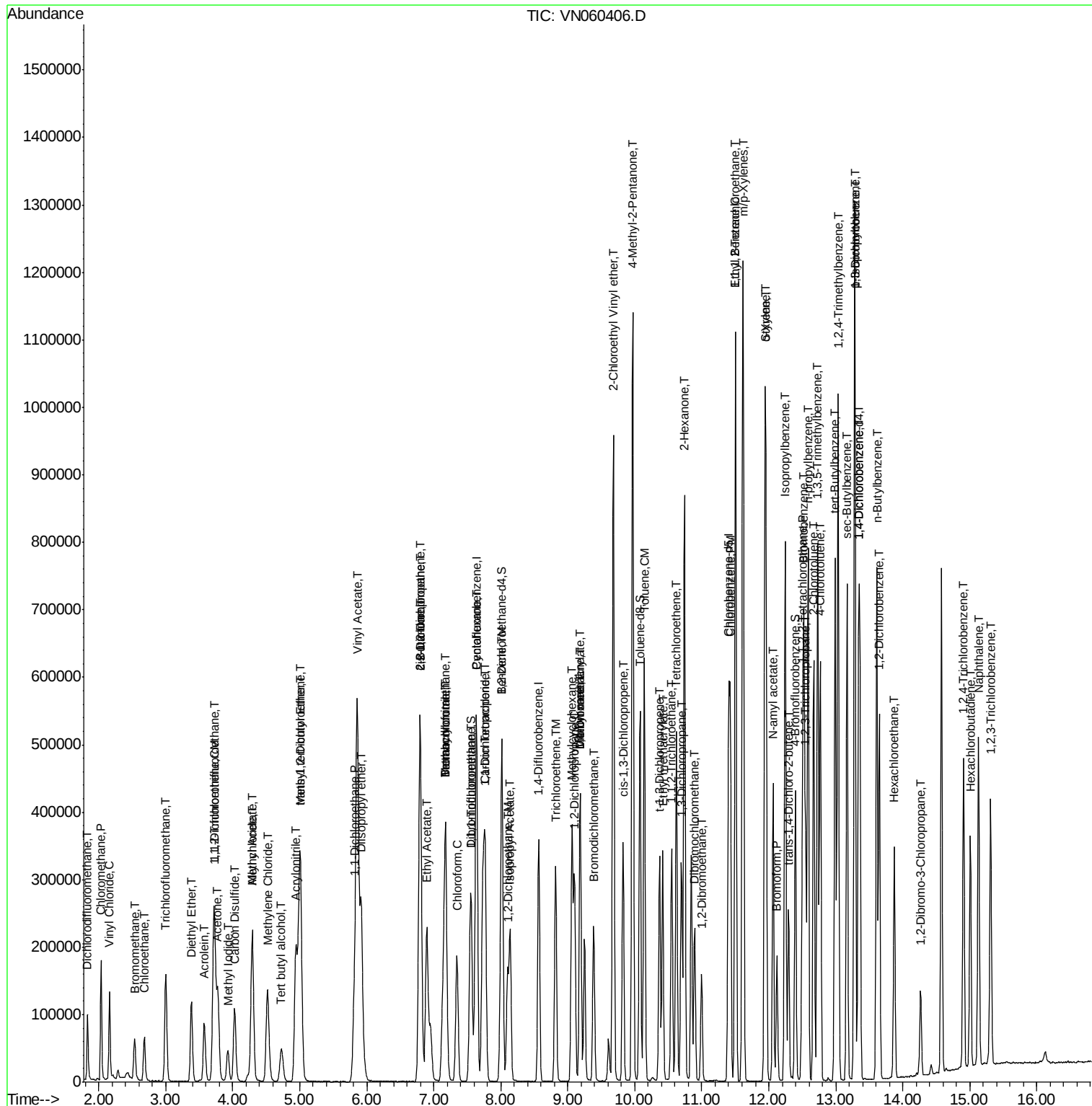
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142557	47.567	ug/l	100
94) Hexachlorobutadiene	15.01	225	67750	49.163	ug/l	99
95) Naphthalene	15.13	128	412706	46.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134437	47.618	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

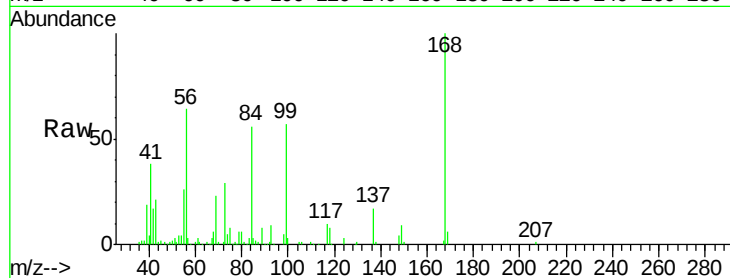
VSTDCCC050

Tgt Ion:168 Resp: 197520

Ion Ratio Lower Upper

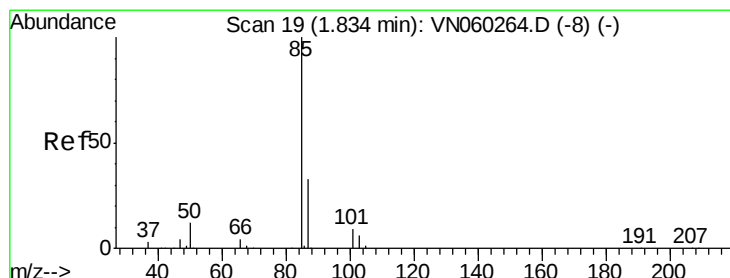
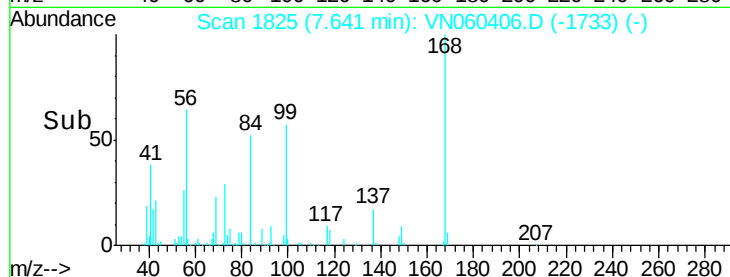
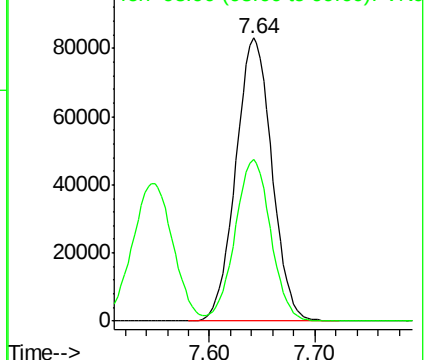
168 100

99 57.3 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: 41.931 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060406.D

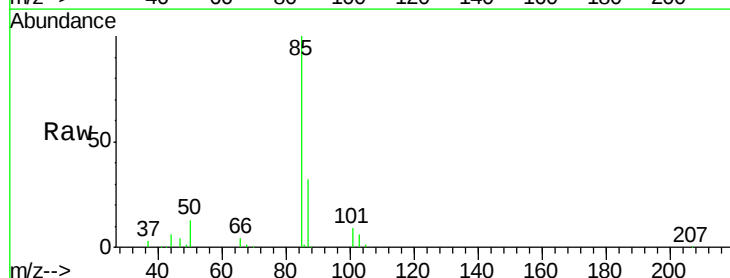
Acq: 10 Mar 2020 10:26

Tgt Ion: 85 Resp: 75936

Ion Ratio Lower Upper

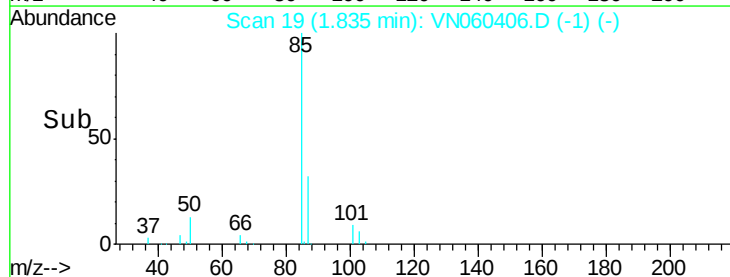
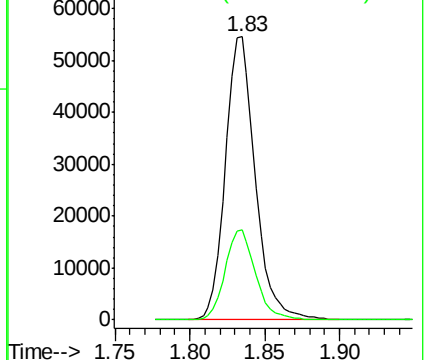
85 100

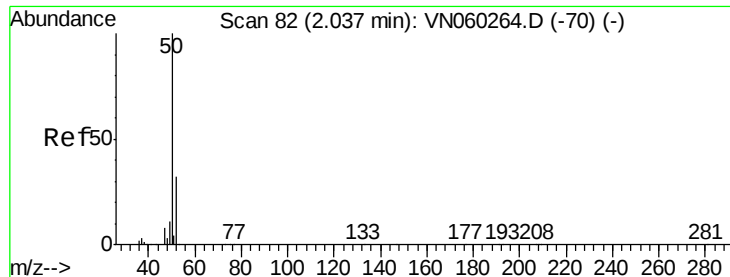
87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.817 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

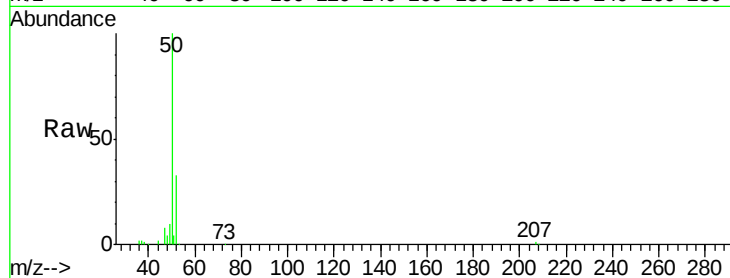
VSTDCCC050

Tgt Ion: 50 Resp: 138151

Ion Ratio Lower Upper

50 100

52 32.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

120000

100000

80000

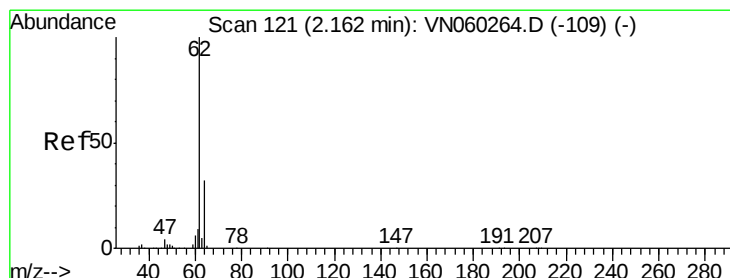
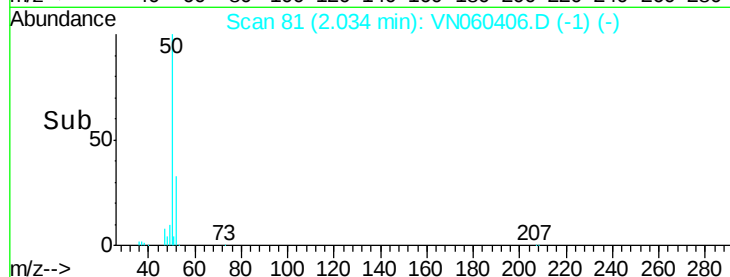
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 42.296 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060406.D

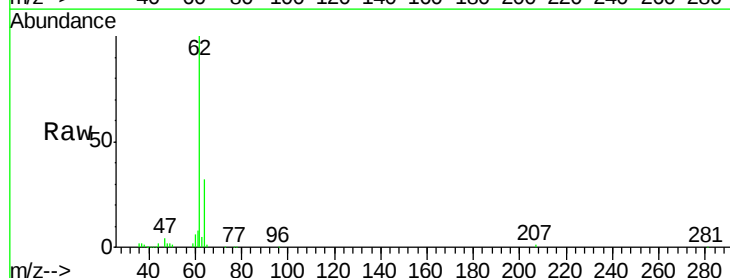
Acq: 10 Mar 2020 10:26

Tgt Ion: 62 Resp: 114368

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

80000

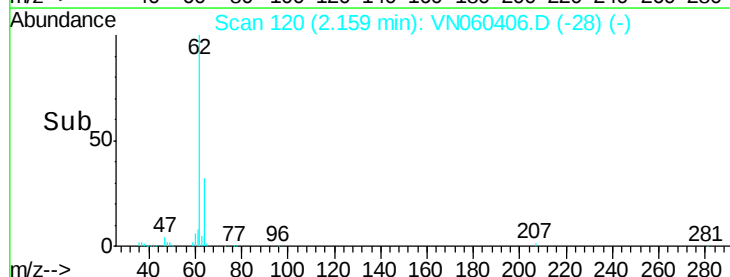
60000

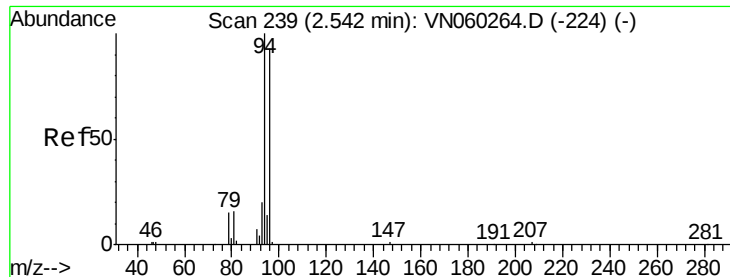
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 40.739 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

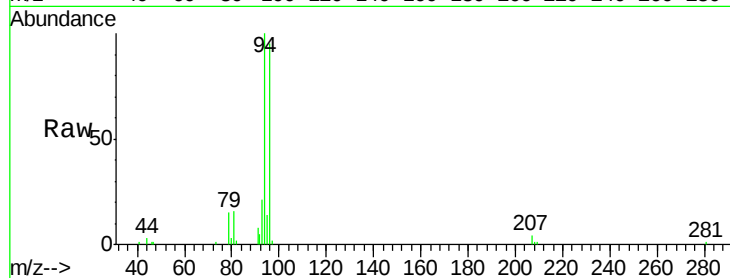
VSTDCCC050

Tgt Ion: 94 Resp: 44825

Ion Ratio Lower Upper

94 100

96 94.5 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

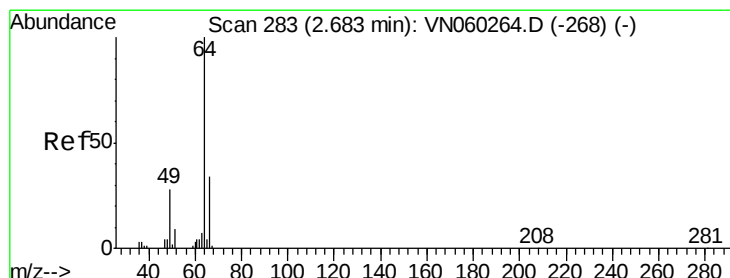
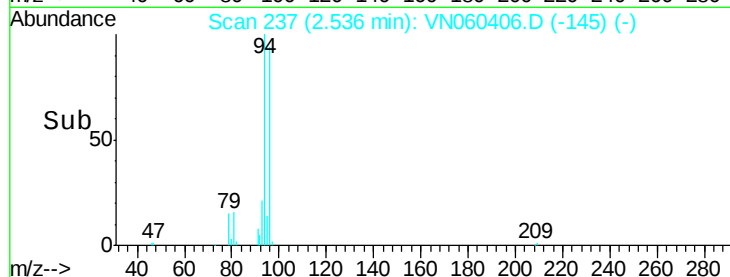
5000

0

Time-->

2.45 2.50 2.55 2.60

2.54



#6

Chloroethane

Concen: 43.590 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060406.D

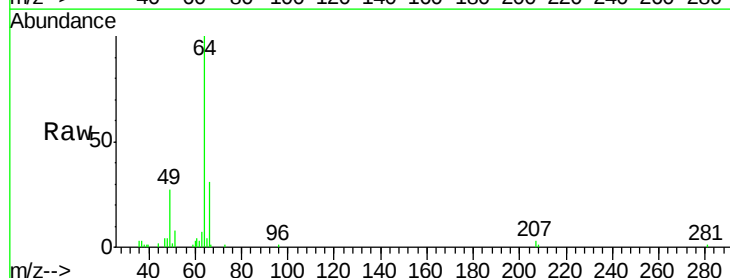
Acq: 10 Mar 2020 10:26

Tgt Ion: 64 Resp: 63861

Ion Ratio Lower Upper

64 100

66 31.4 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

30000

20000

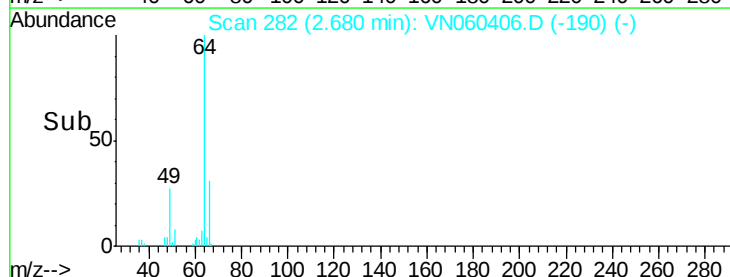
10000

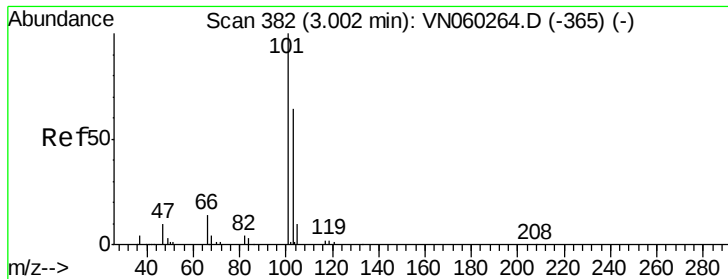
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Time-->

2.60 2.65 2.70 2.75 2.80

2.68



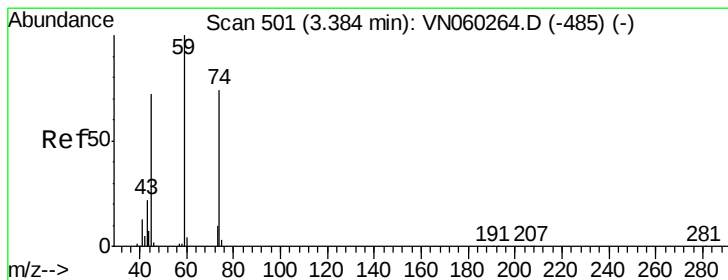
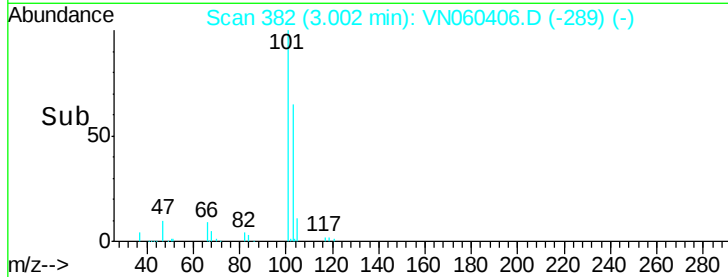
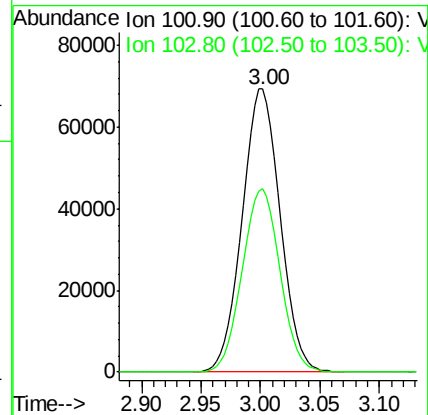
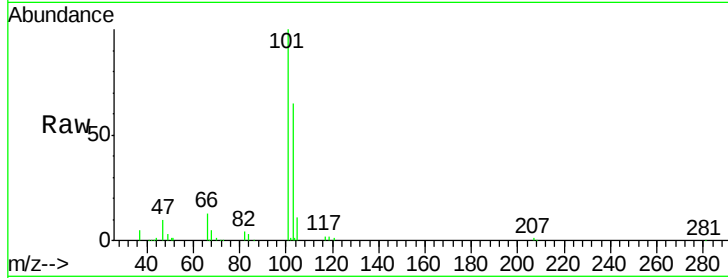


#7

Trichlorofluoromethane
 Concen: 44.417 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

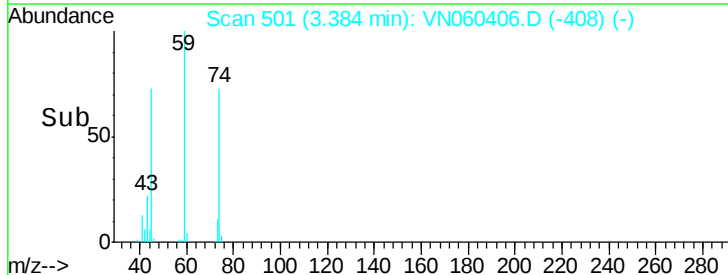
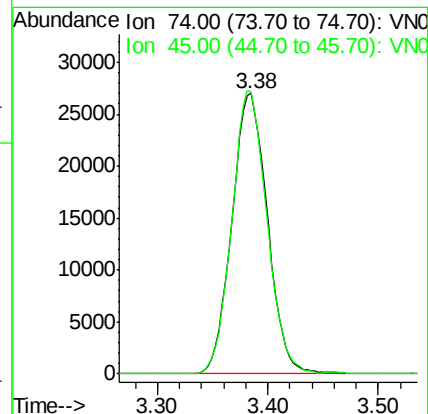
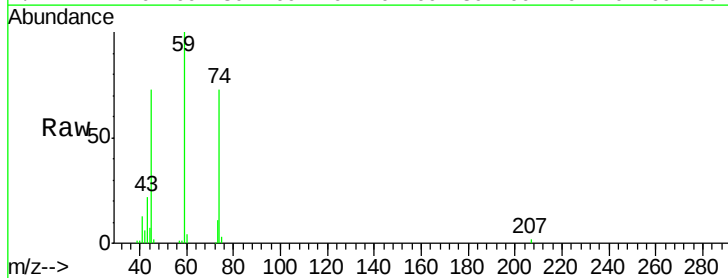
Tgt Ion:101 Resp: 153450
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.3 76.9



#8

Diethyl Ether
 Concen: 46.238 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 74 Resp: 60313
 Ion Ratio Lower Upper
 74 100
 45 99.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.449 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

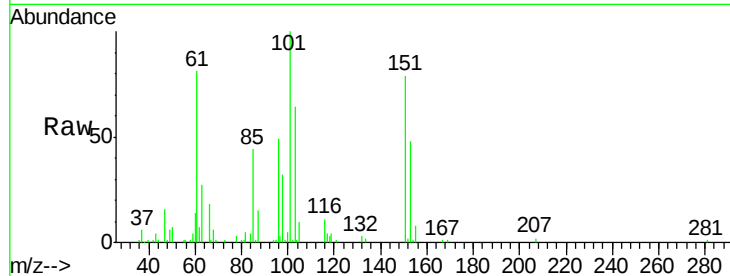
Instrument :

MSVOA_N

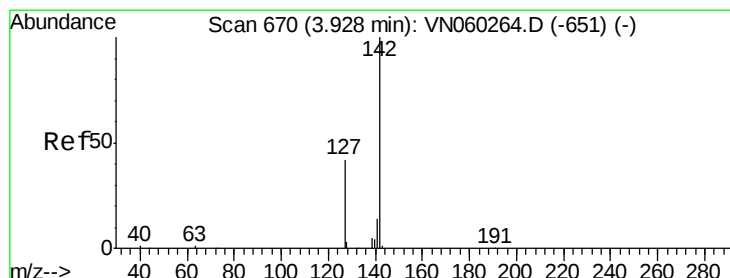
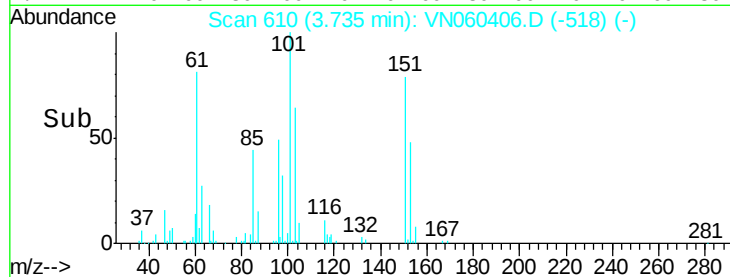
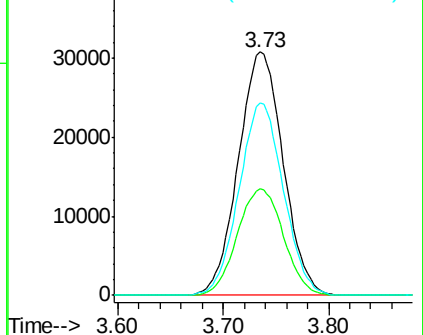
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	90817
Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.4	53.2
151	78.4	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: 41.128 ug/l

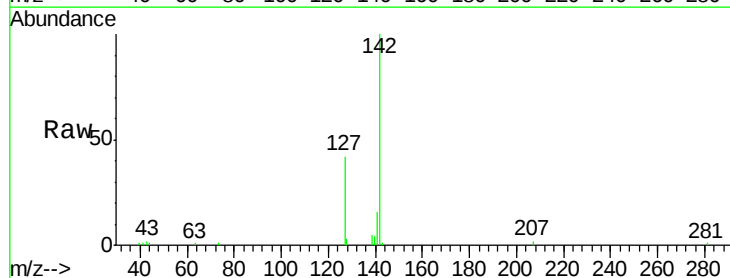
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

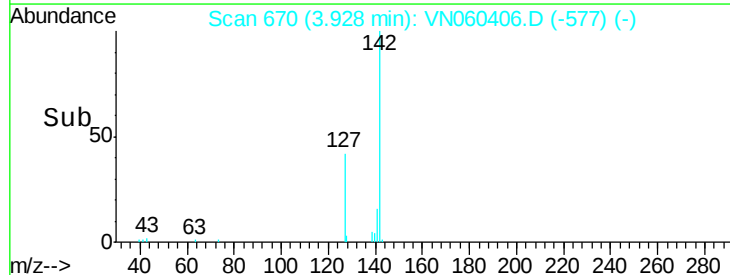
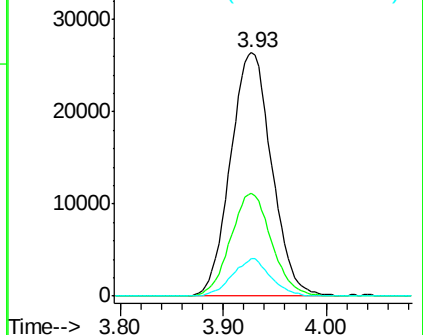
Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion:	142	Resp:	73390
Ion	Ratio	Lower	Upper
142	100		
127	42.0	33.8	50.6
141	14.2	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

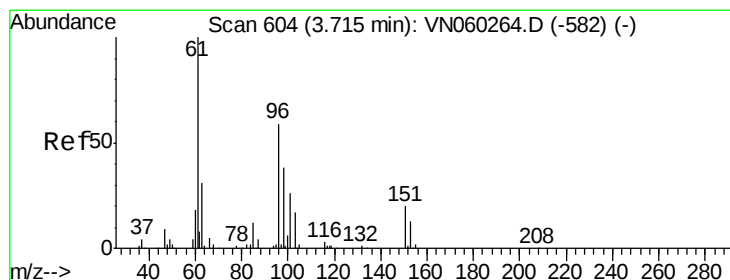
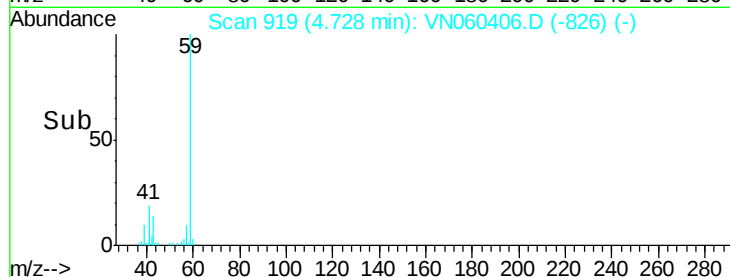
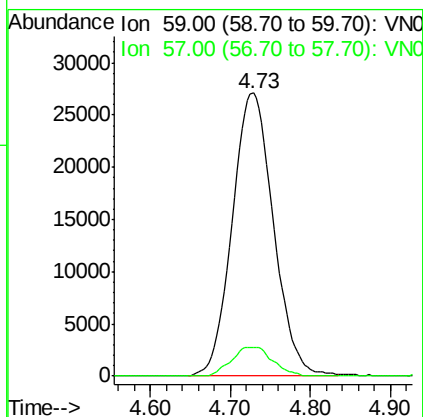
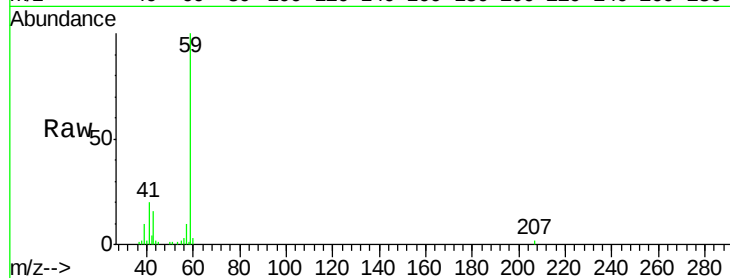




#11
Tert butyl alcohol
Concen: 252.361 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

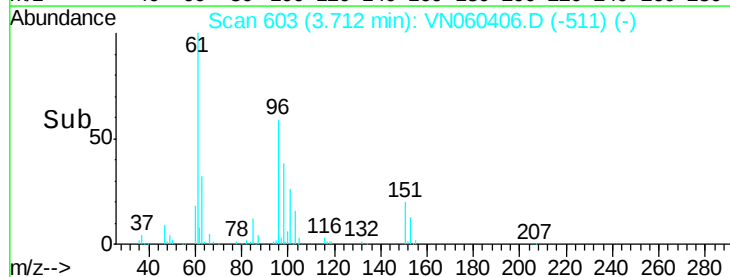
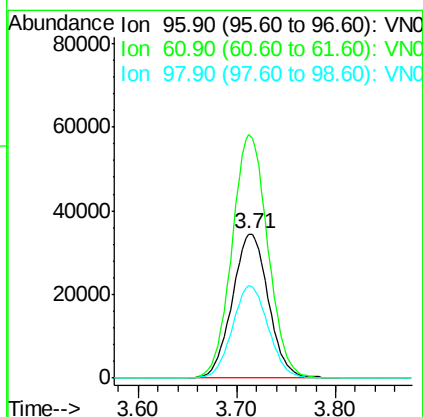
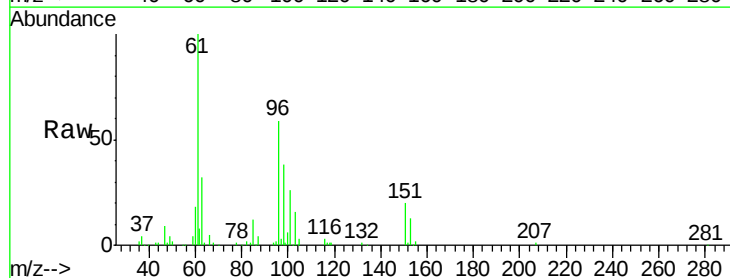
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 94963
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 46.167 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 96 Resp: 87617
Ion Ratio Lower Upper
96 100
61 168.8 135.4 203.0
98 64.1 51.6 77.4





#13

Acrolein

Concen: 277.526 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

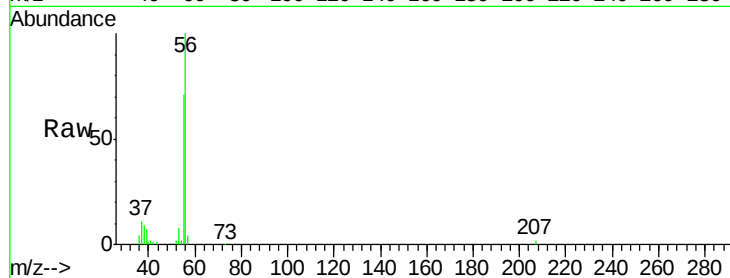
VSTDCCC050

Tgt Ion: 56 Resp: 97426

Ion Ratio Lower Upper

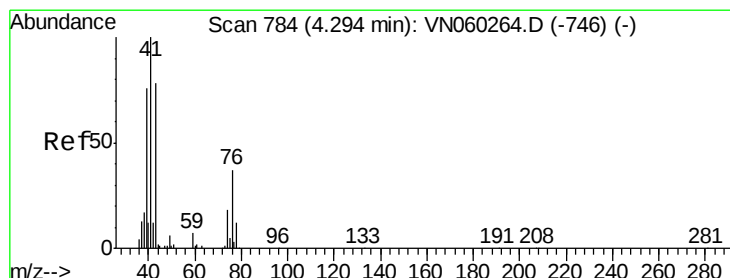
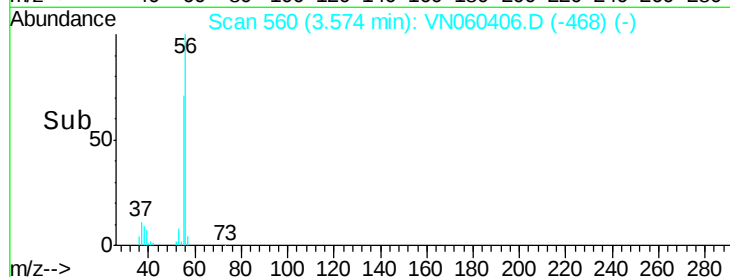
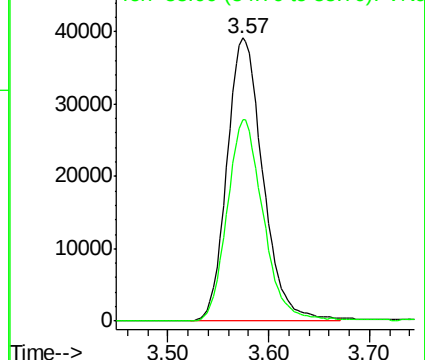
56 100

55 70.9 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 43.509 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

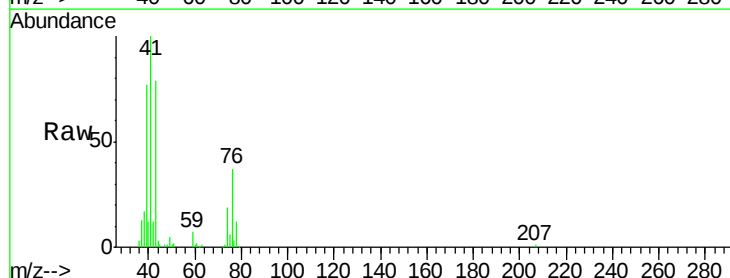
Tgt Ion: 41 Resp: 152231

Ion Ratio Lower Upper

41 100

39 78.5 55.4 83.2

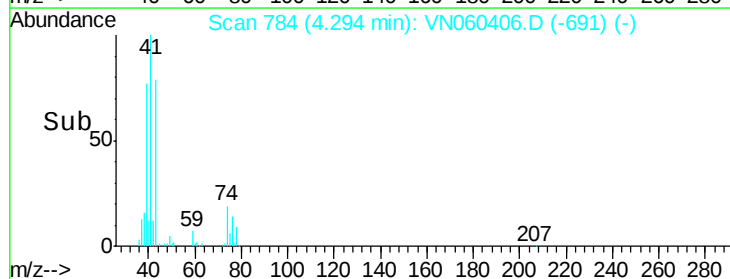
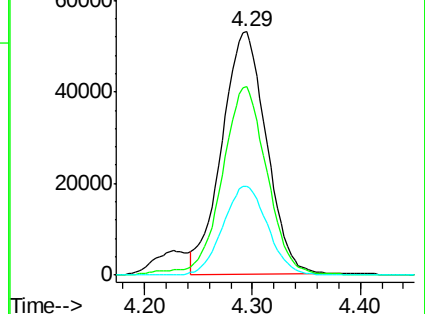
76 36.8 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 263.570 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

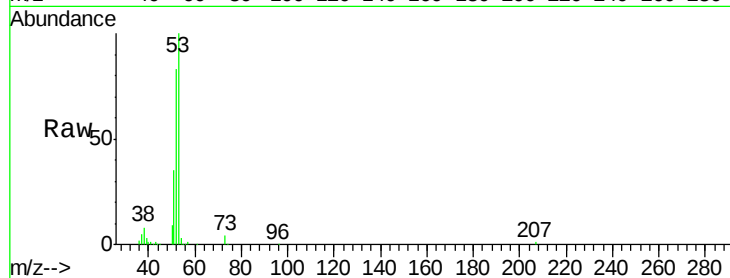
Tgt Ion: 53 Resp: 261422

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

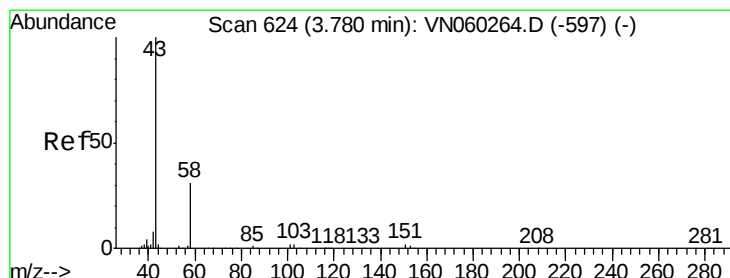
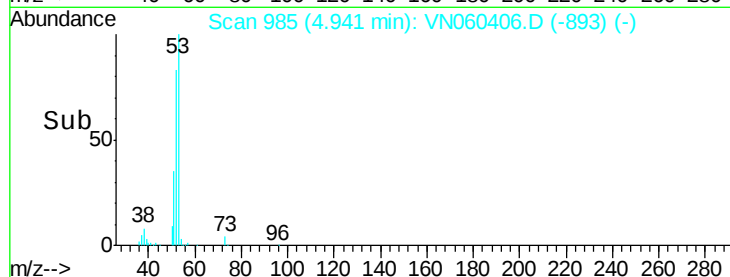
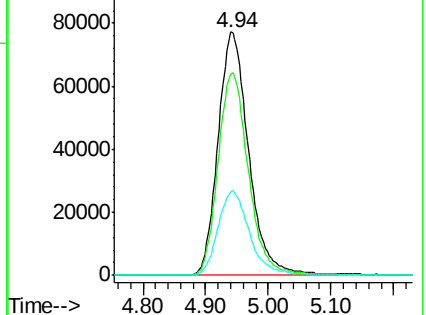
51 35.8 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060406.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060406.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060406.D (-964) (-)



#16

Acetone

Concen: 255.646 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060406.D

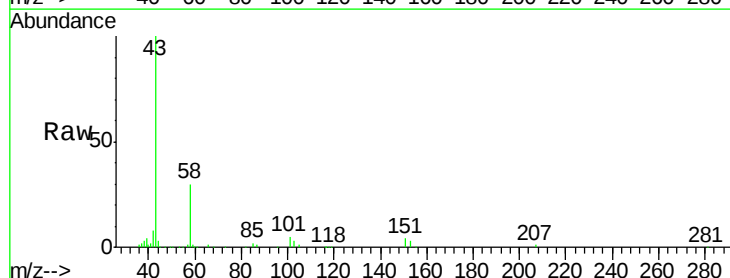
Acq: 10 Mar 2020 10:26

Tgt Ion: 43 Resp: 209214

Ion Ratio Lower Upper

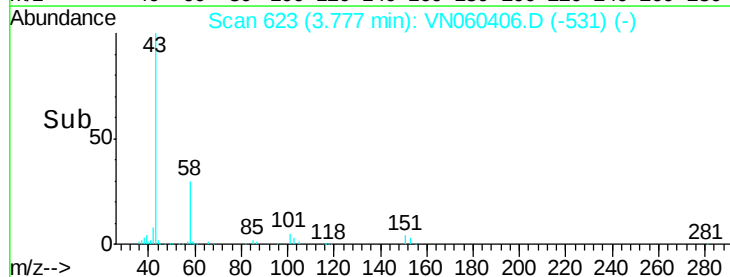
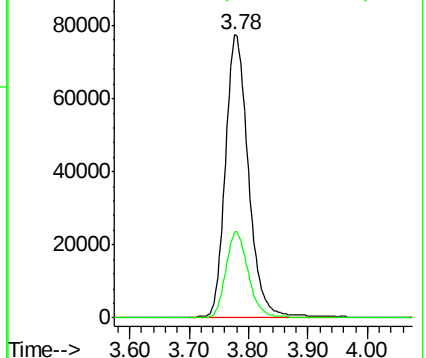
43 100

58 30.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060406.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060406.D (-597) (-)

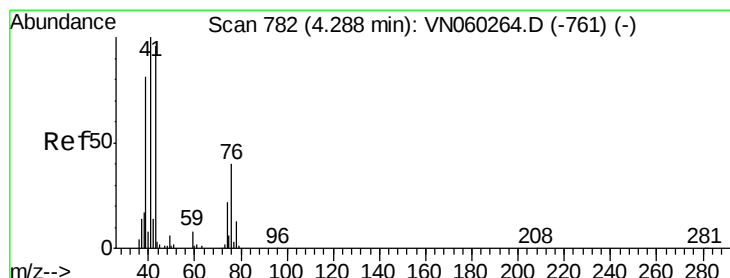
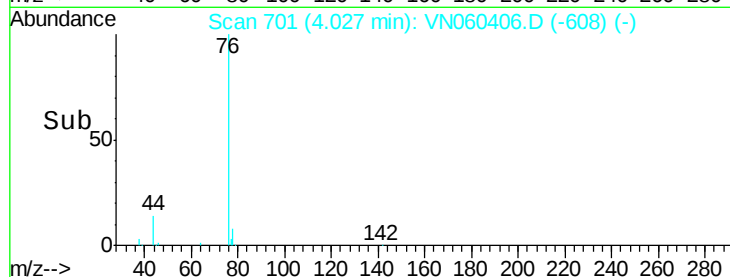
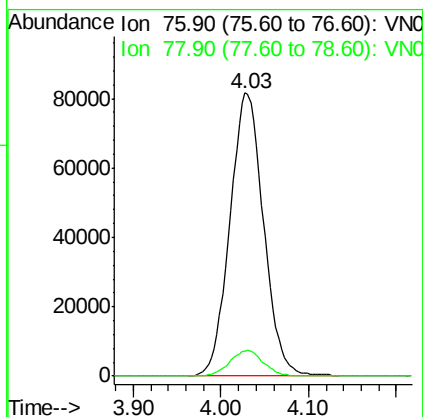
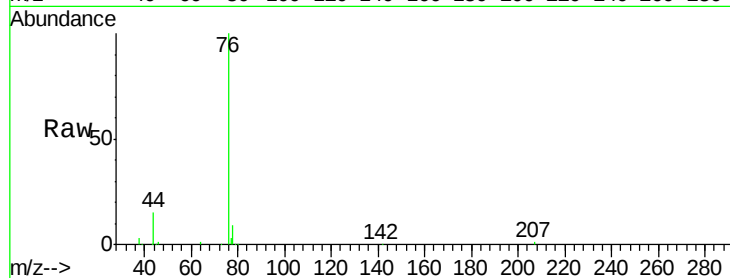




#17
Carbon Disulfide
Concen: 43.243 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

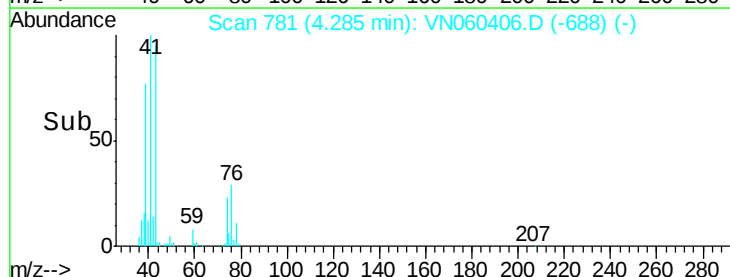
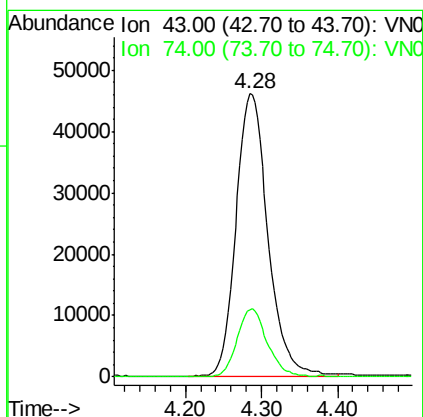
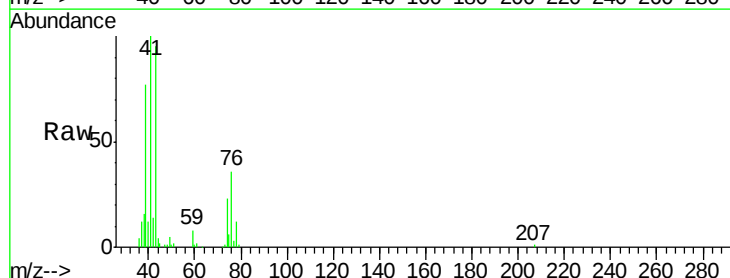
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

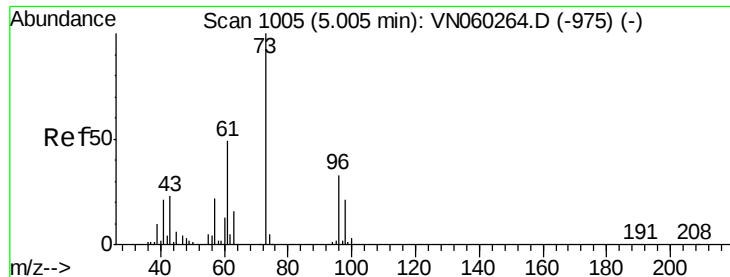
Tgt Ion: 76 Resp: 218241
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 49.579 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 43 Resp: 135402
Ion Ratio Lower Upper
43 100
74 22.6 18.8 28.2

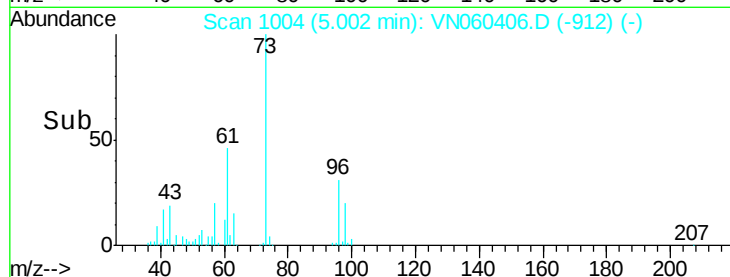
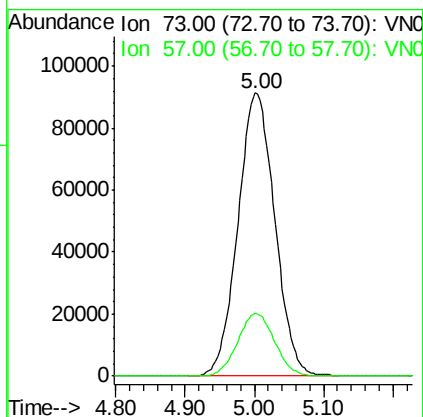
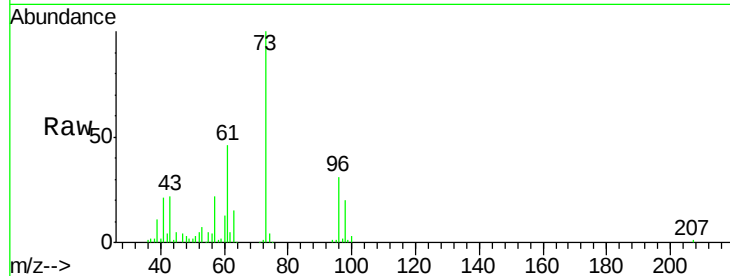




#19
Methyl tert-butyl Ether
Concen: 49.030 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

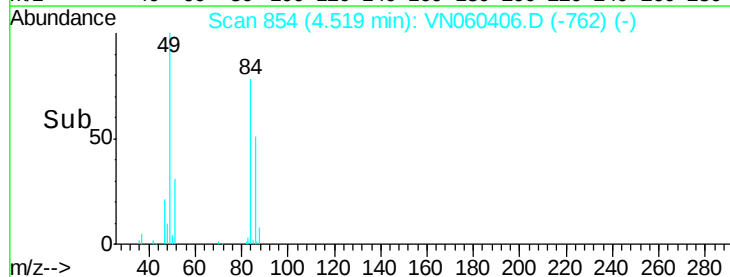
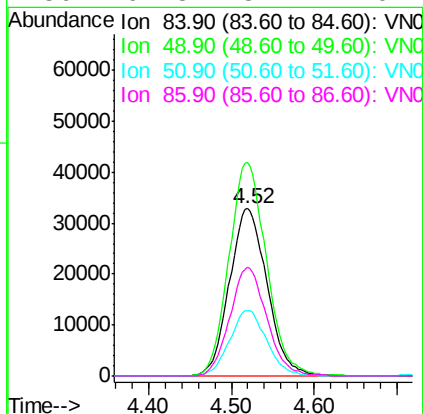
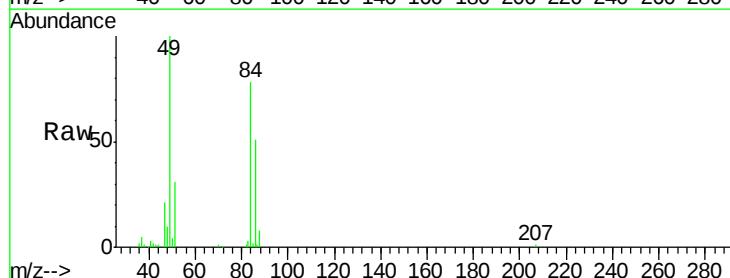
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 337802
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9



#20
Methylene Chloride
Concen: 46.152 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 84 Resp: 103728
Ion Ratio Lower Upper
84 100
49 127.7 99.3 148.9
51 39.1 30.1 45.1
86 64.8 51.1 76.7

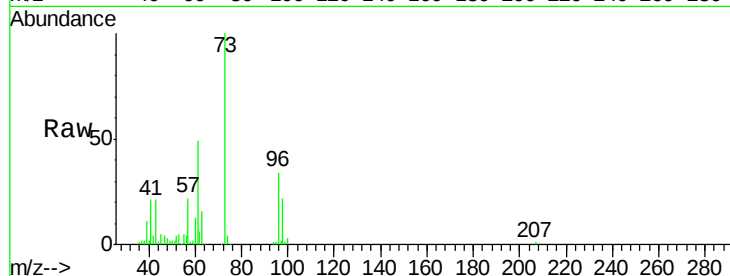




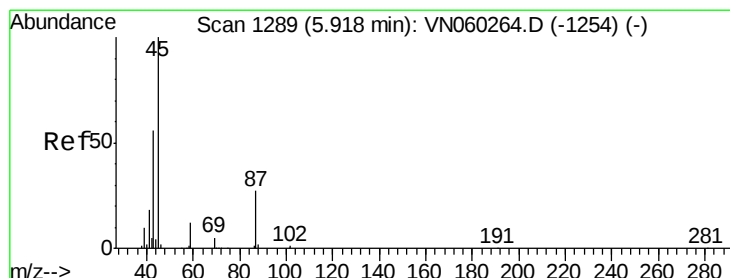
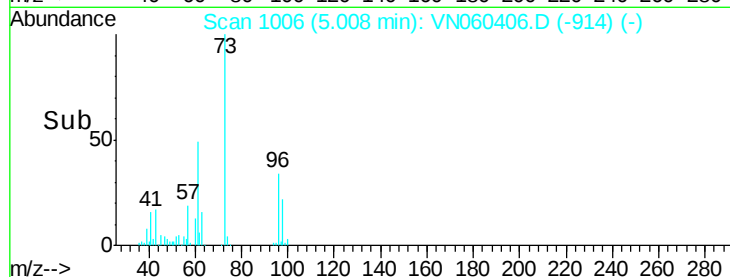
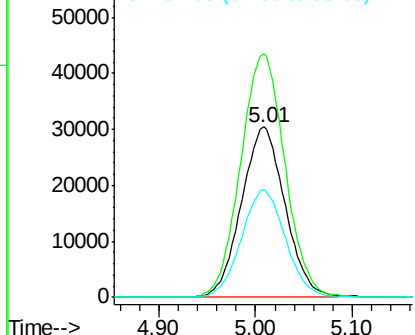
#21
trans-1,2-Dichloroethene
Concen: 46.786 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 95444
Ion Ratio Lower Upper
96 100
61 143.0 113.8 170.8
98 63.4 48.8 73.2

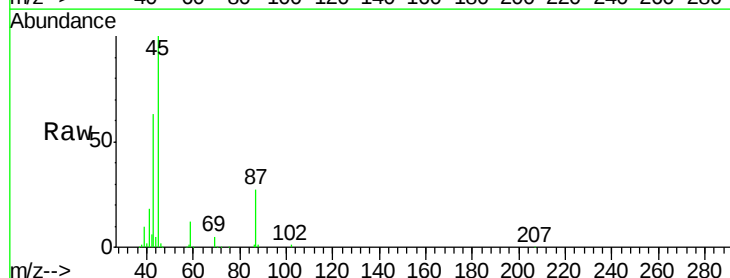


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

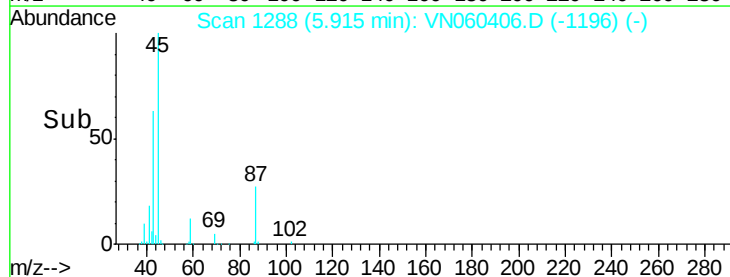
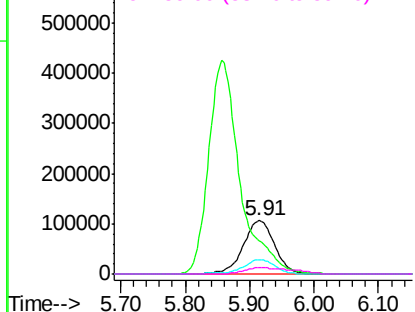


#22
Diisopropyl ether
Concen: 50.858 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 45 Resp: 360440
Ion Ratio Lower Upper
45 100
43 61.7 48.6 72.8
87 26.7 22.2 33.2
59 11.7 9.5 14.3



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





#23

Vinyl Acetate

Concen: 255.977 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

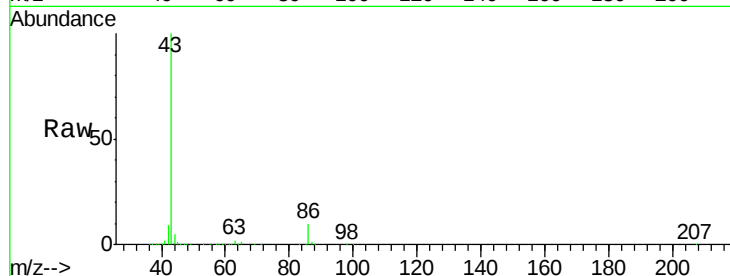
VSTDCCC050

Tgt Ion: 43 Resp: 1441582

Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060406.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060406.D (-1178) (-)

5.86

400000

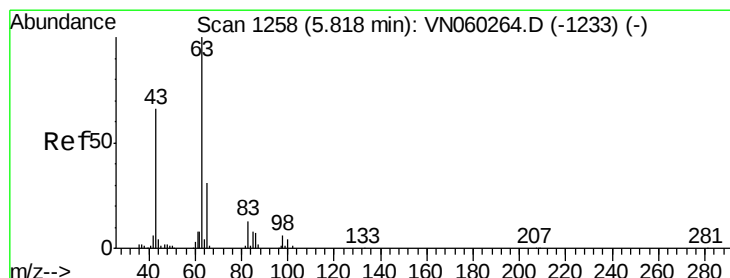
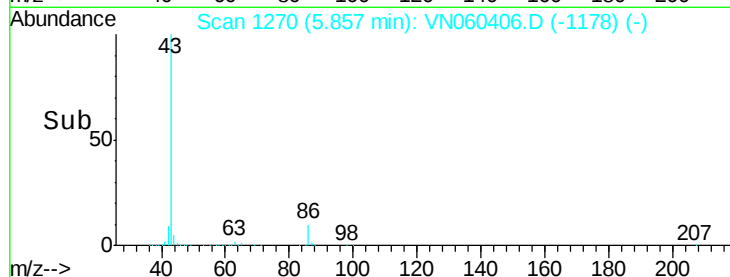
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.172 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

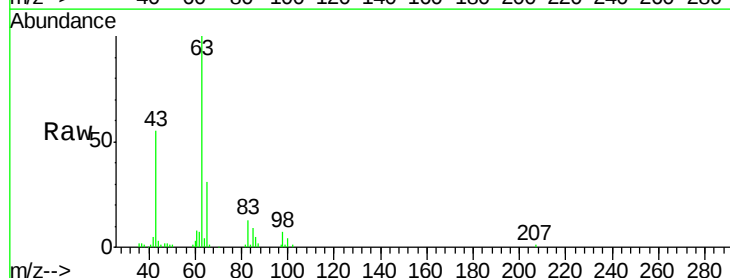
Tgt Ion: 63 Resp: 197267

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060406.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060406.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060406.D (-1165) (-)

5.82

80000

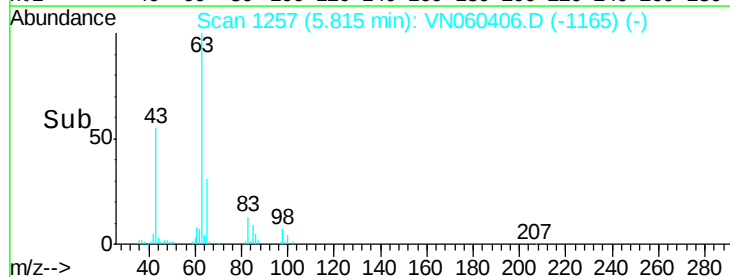
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 265.020 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

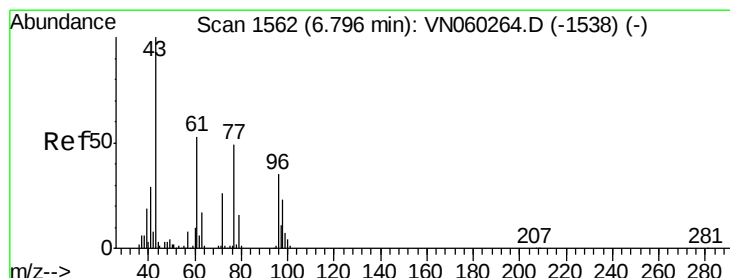
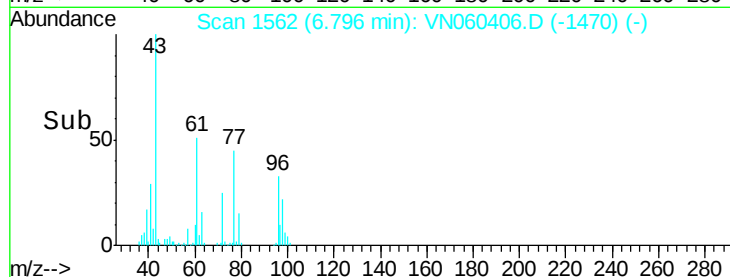
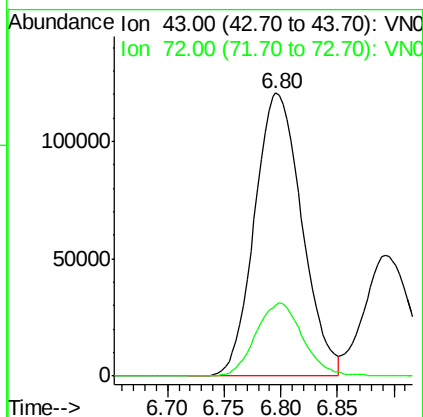
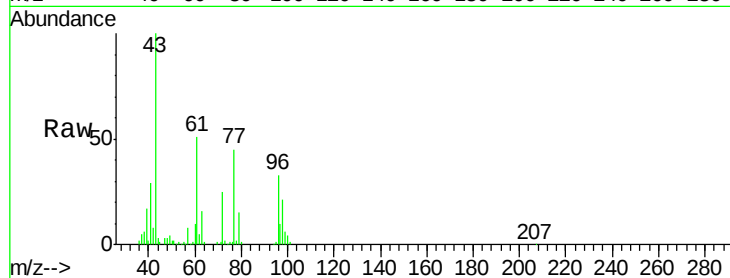
VSTDCCC050

Tgt Ion: 43 Resp: 350321

Ion Ratio Lower Upper

43 100

72 25.2 20.9 31.3



#26

2,2-Dichloropropane

Concen: 48.191 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060406.D

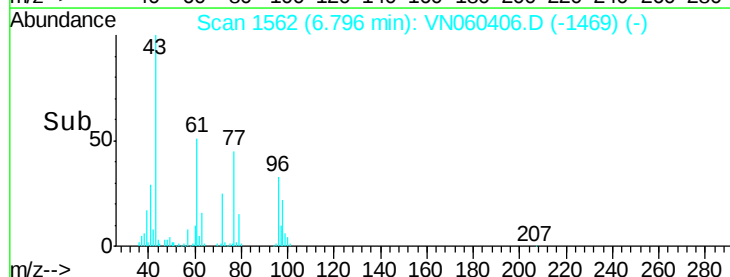
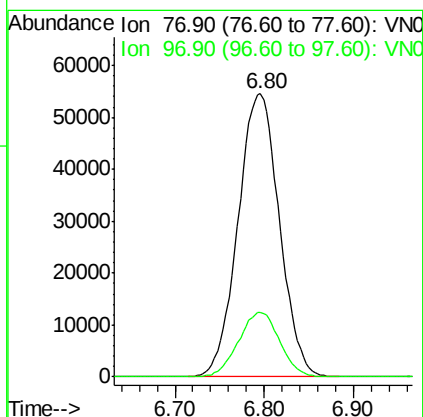
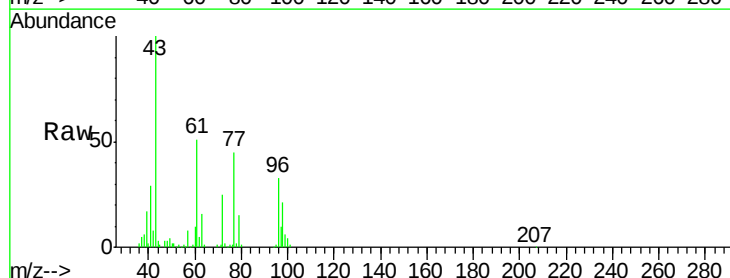
Acq: 10 Mar 2020 10:26

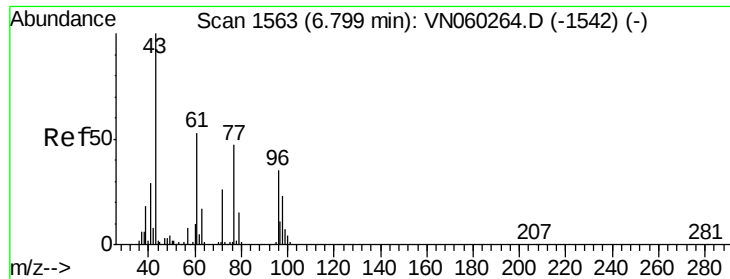
Tgt Ion: 77 Resp: 176004

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.177 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

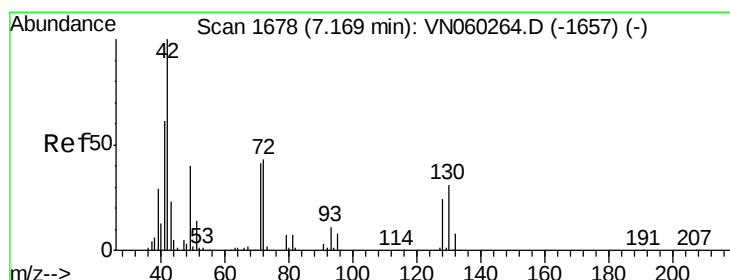
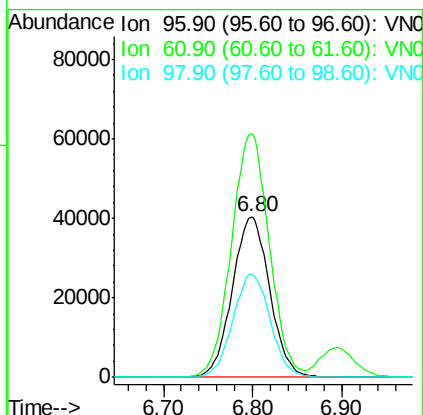
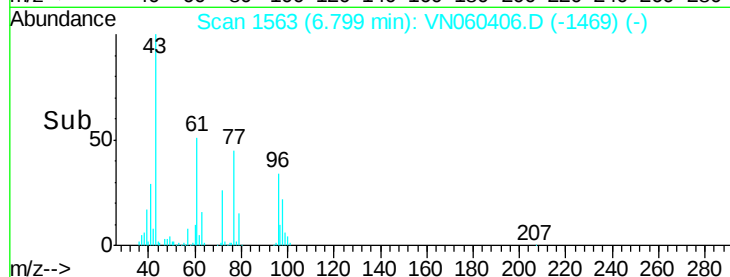
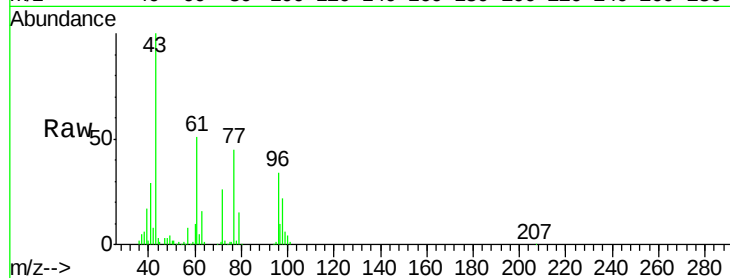
Tgt Ion: 96 Resp: 117735

Ion Ratio Lower Upper

96 100

61 153.0 0.0 300.8

98 64.3 0.0 128.2



#28

Bromochloromethane

Concen: 49.107 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

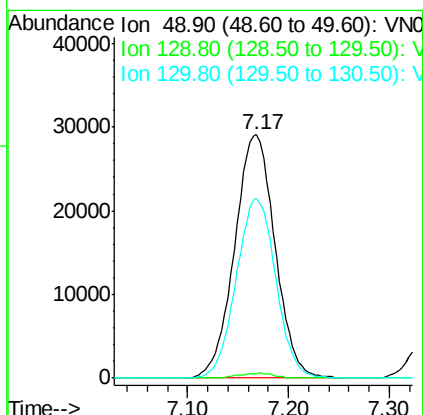
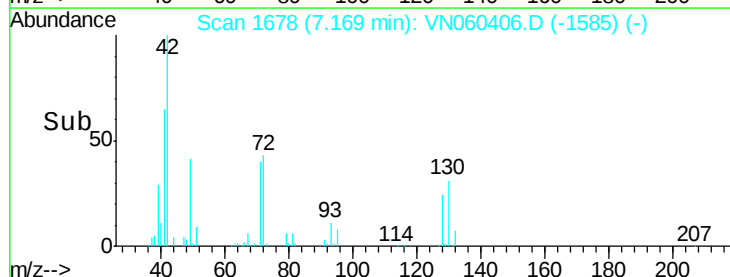
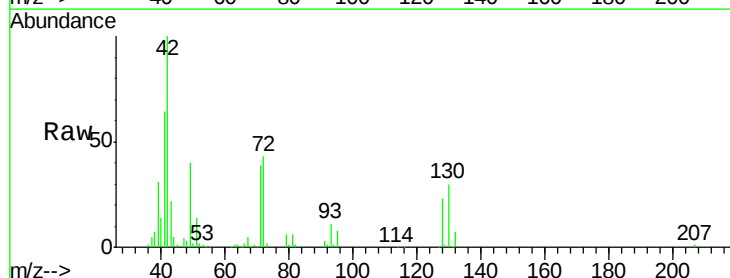
Tgt Ion: 49 Resp: 80887

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 72.2 59.8 89.8





#29

Tetrahydrofuran

Concen: 255.931 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

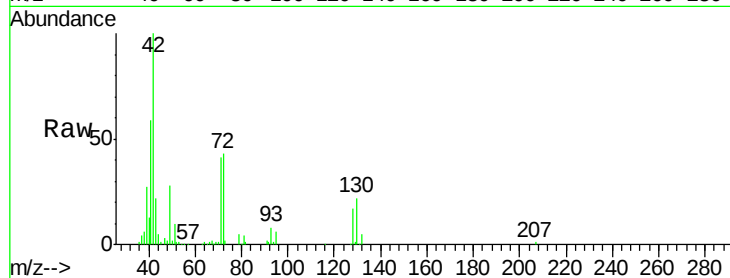
Tgt Ion: 42 Resp: 235251

Ion Ratio Lower Upper

42 100

72 42.8 34.6 52.0

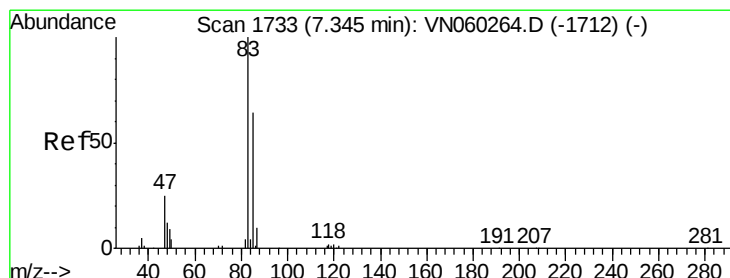
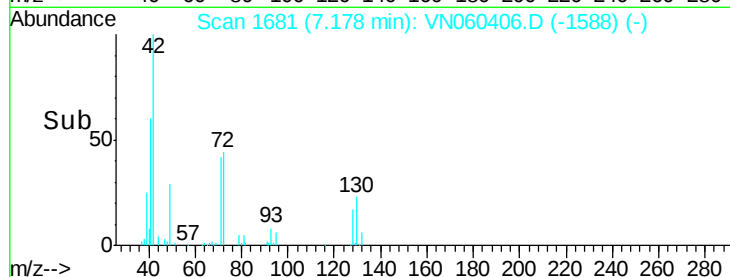
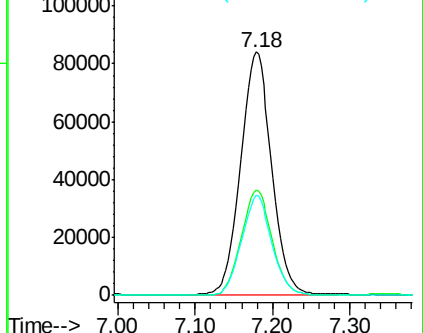
71 40.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.476 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060406.D

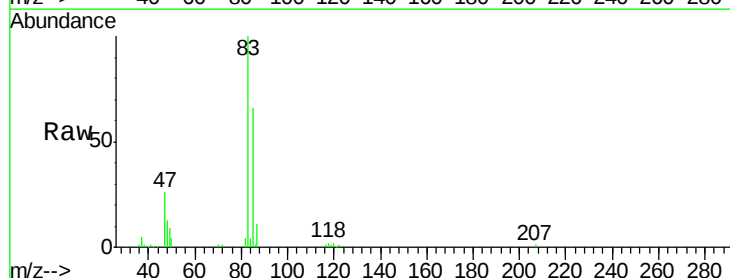
Acq: 10 Mar 2020 10:26

Tgt Ion: 83 Resp: 197590

Ion Ratio Lower Upper

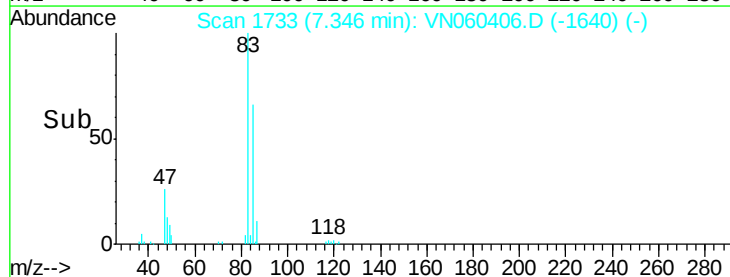
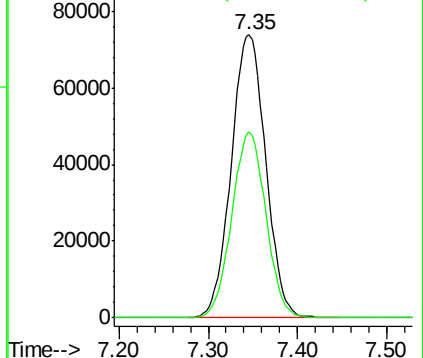
83 100

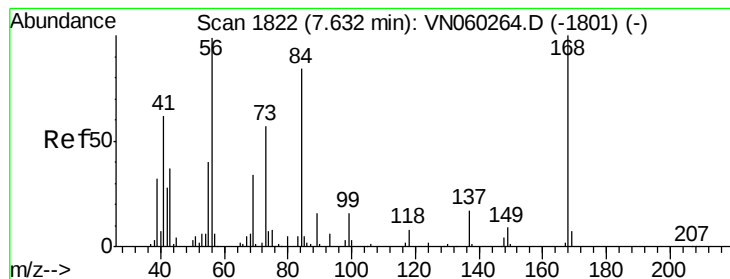
85 65.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.590 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

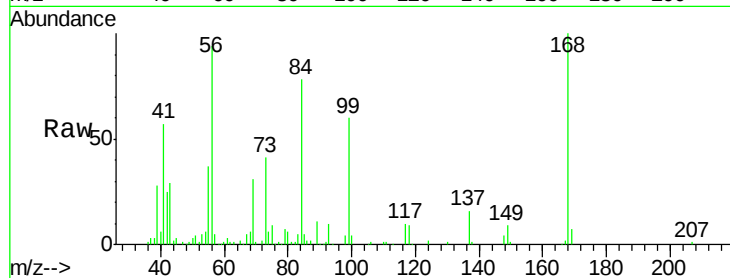
Tgt Ion: 56 Resp: 166477

Ion Ratio Lower Upper

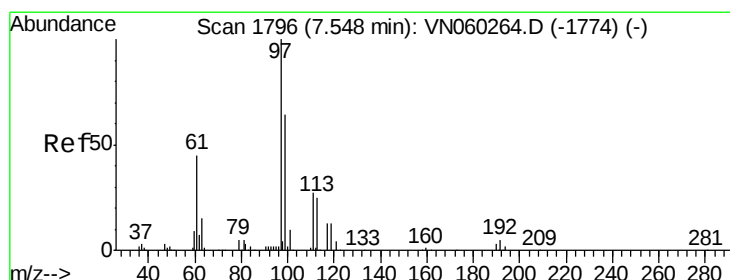
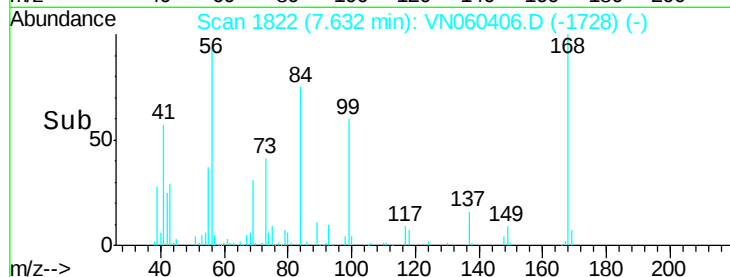
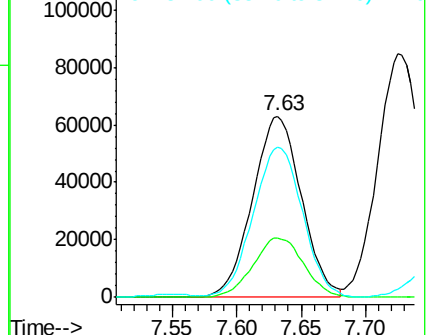
56 100

69 33.0 27.2 40.8

84 81.8 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 48.463 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

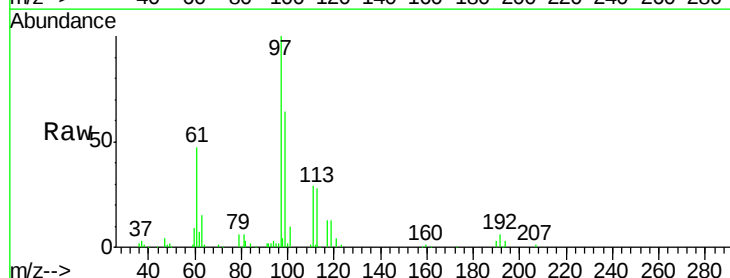
Tgt Ion: 97 Resp: 171482

Ion Ratio Lower Upper

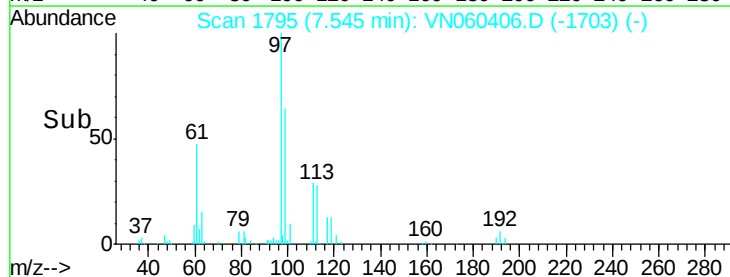
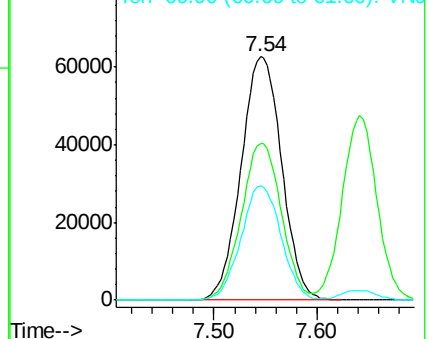
97 100

99 63.8 51.4 77.0

61 46.4 36.6 55.0



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

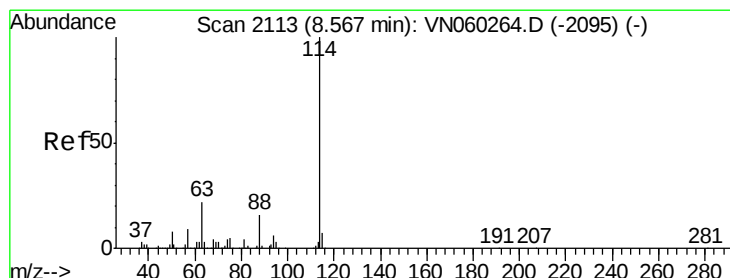
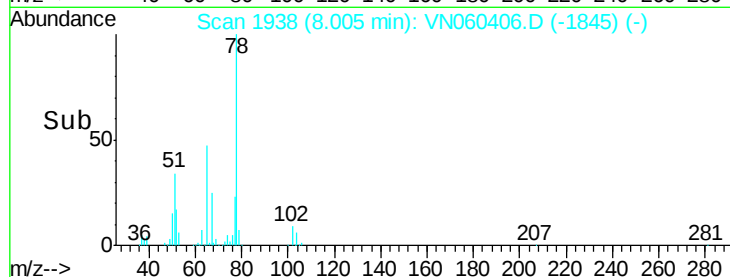
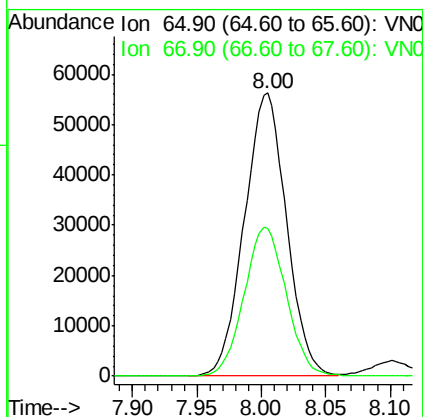
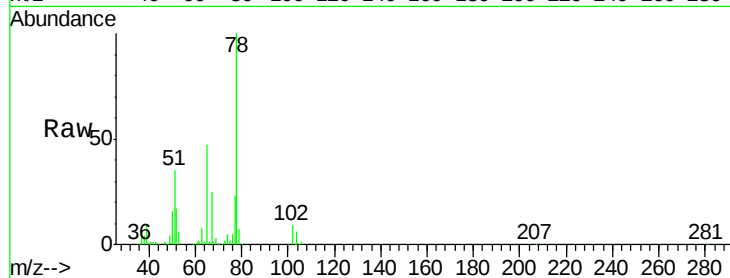




#33
 1,2-Dichloroethane-d4
 Concen: 50.566 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

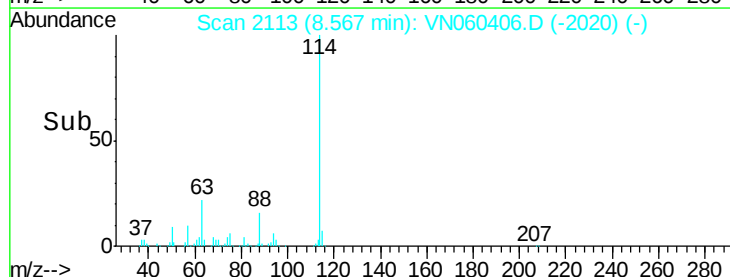
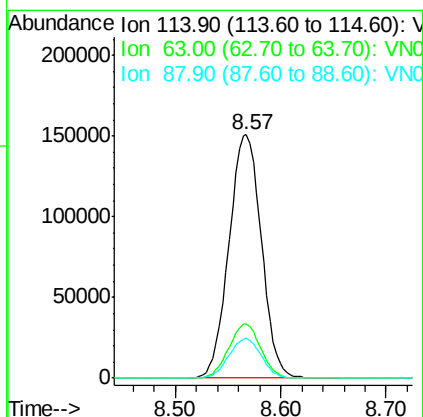
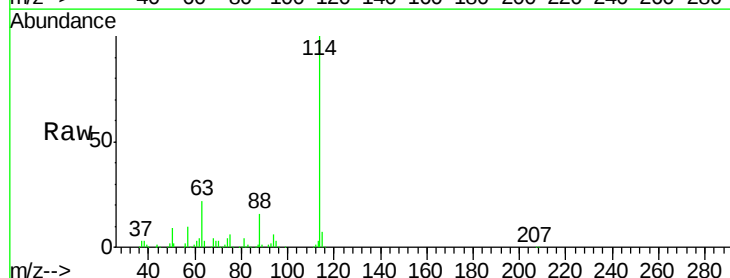
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

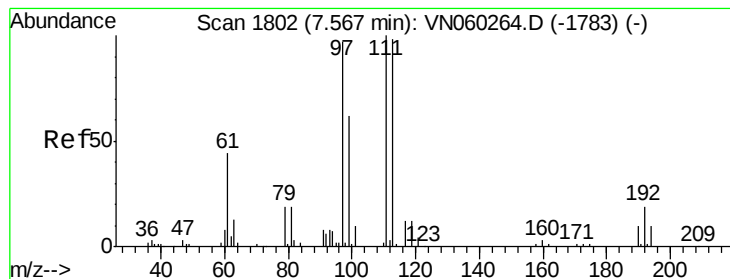
Tgt Ion: 65 Resp: 128144
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 114 Resp: 320673
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 62.786 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

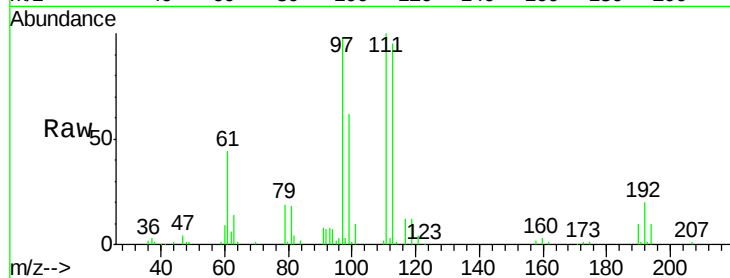
Tgt Ion:113 Resp: 93455

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

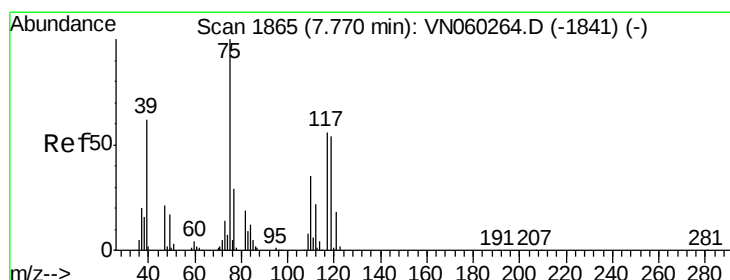
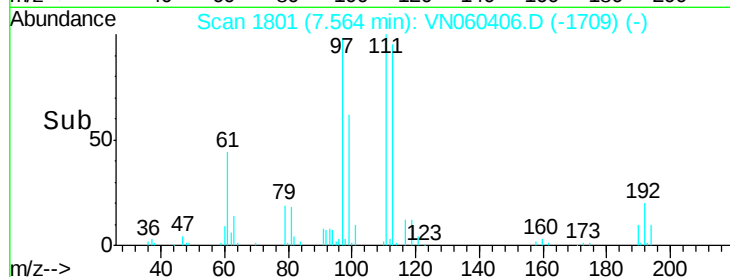
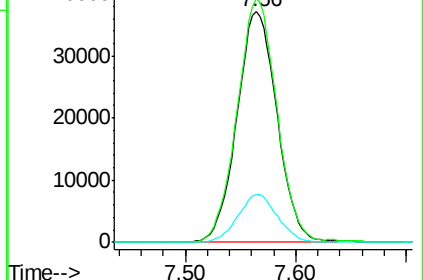
192 20.4 16.2 24.2



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: 46.166 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

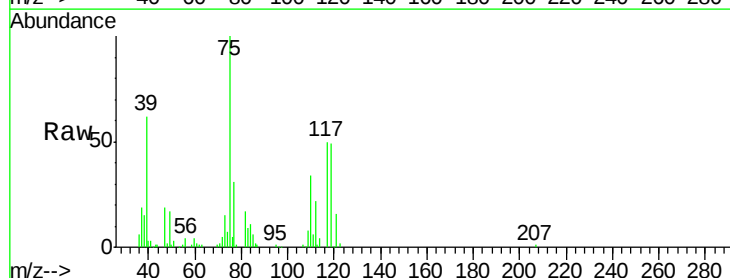
Tgt Ion: 75 Resp: 141091

Ion Ratio Lower Upper

75 100

110 34.6 17.3 52.0

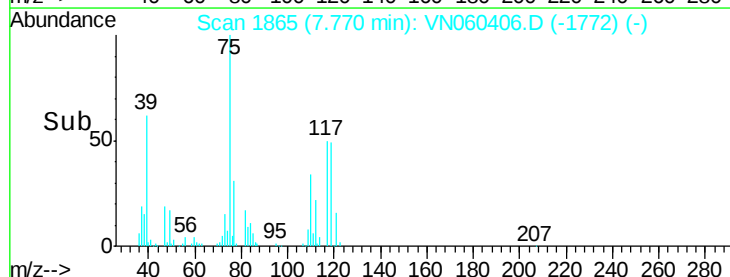
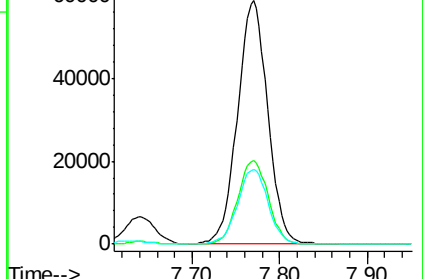
77 31.1 24.2 36.2



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

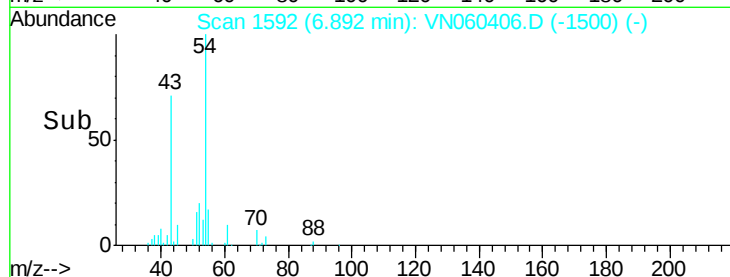
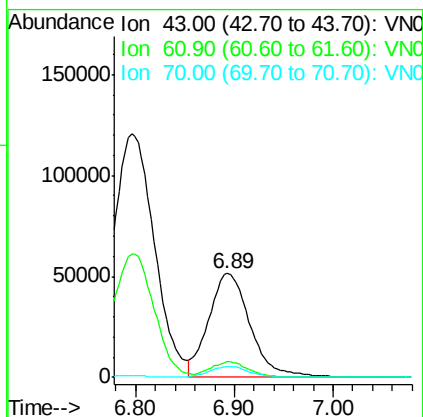
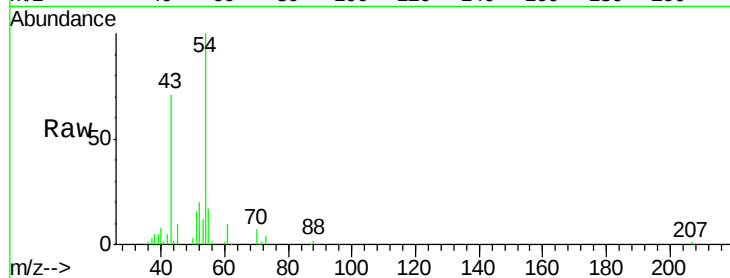




#37
 Ethyl Acetate
 Concen: 51.425 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

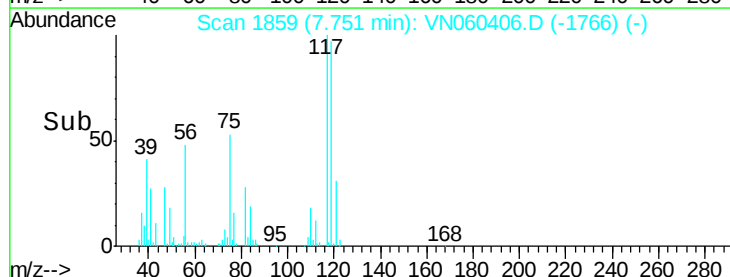
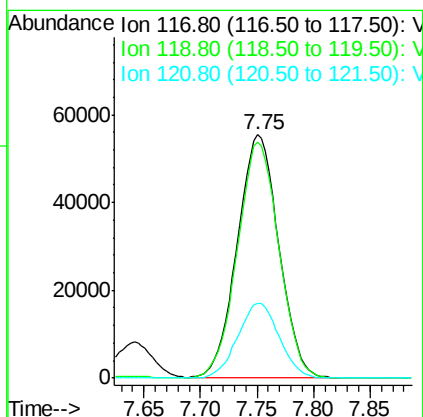
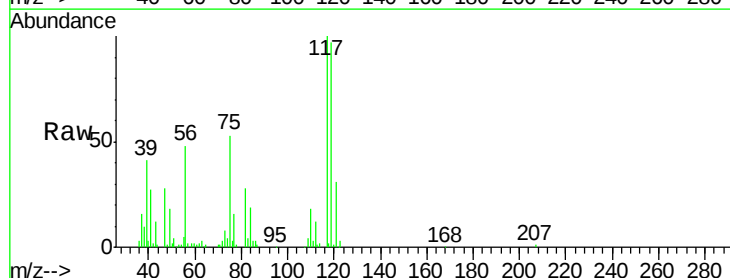
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

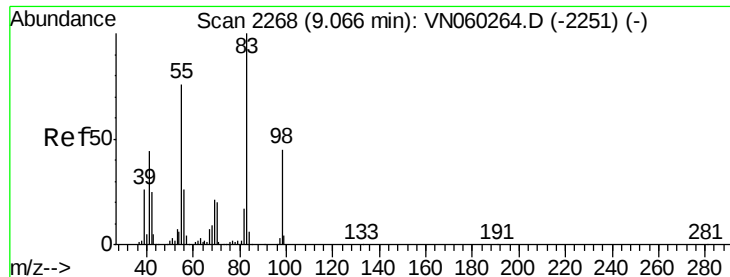
Tgt Ion: 43 Resp: 148815
 Ion Ratio Lower Upper
 43 100
 61 14.2 11.1 16.7
 70 10.3 8.4 12.6



#38
 Carbon Tetrachloride
 Concen: 47.562 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 117 Resp: 141522
 Ion Ratio Lower Upper
 117 100
 119 97.1 76.7 115.1
 121 30.8 24.5 36.7

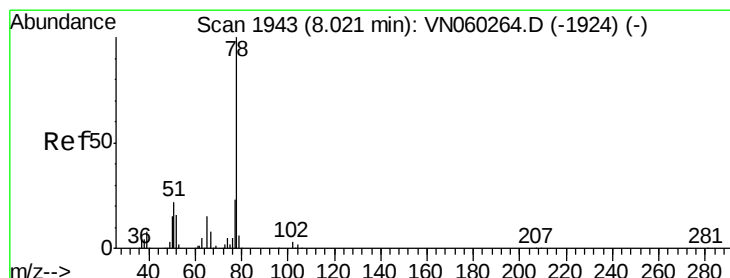
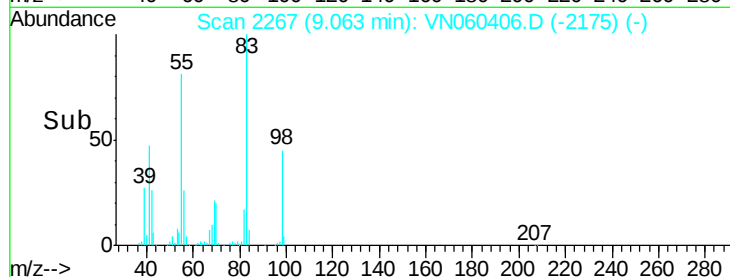
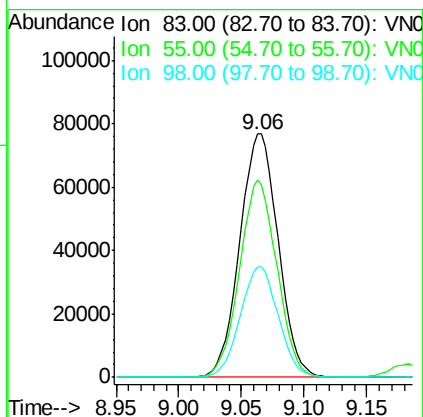
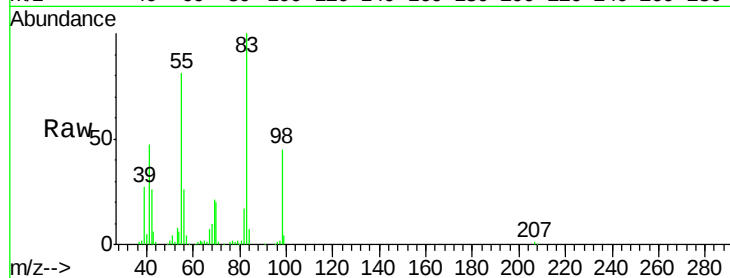




#39
Methylcyclohexane
Concen: 45.386 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

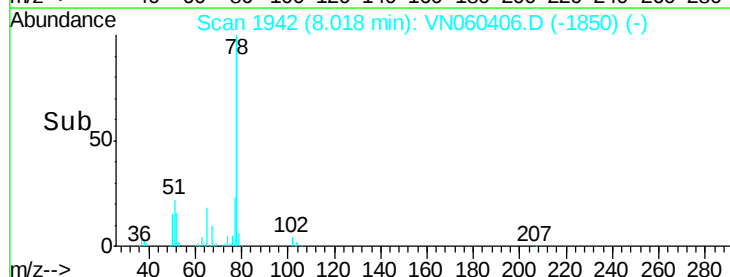
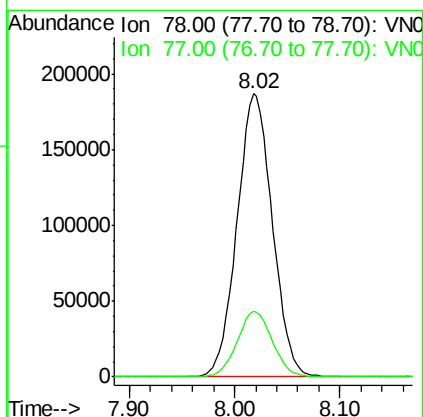
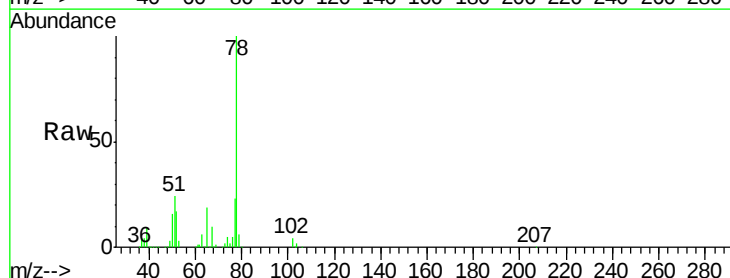
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 163544
Ion Ratio Lower Upper
83 100
55 81.3 61.0 91.4
98 45.3 36.1 54.1



#40
Benzene
Concen: 48.772 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 78 Resp: 433833
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

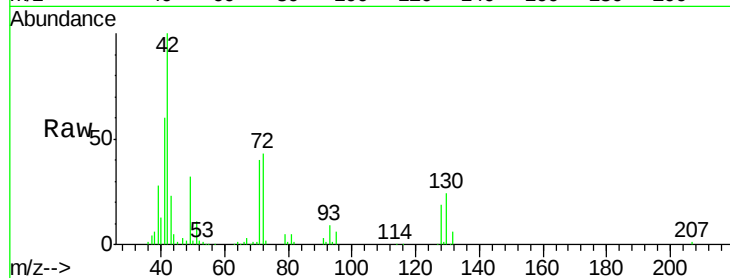




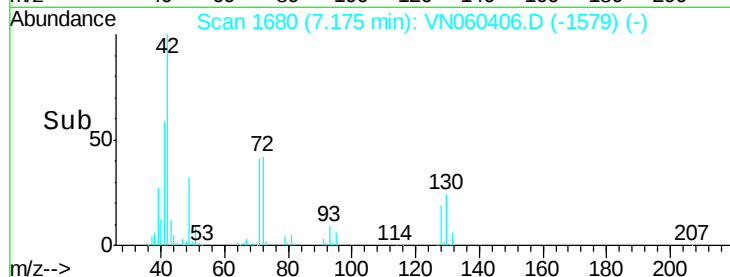
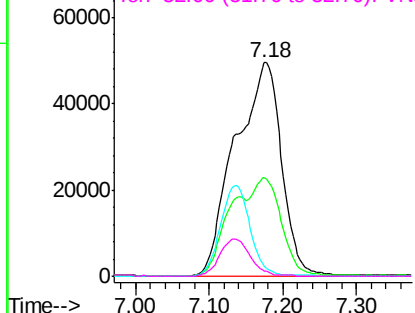
#41
Methacrylonitrile
Concen: 161.781 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	216169
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

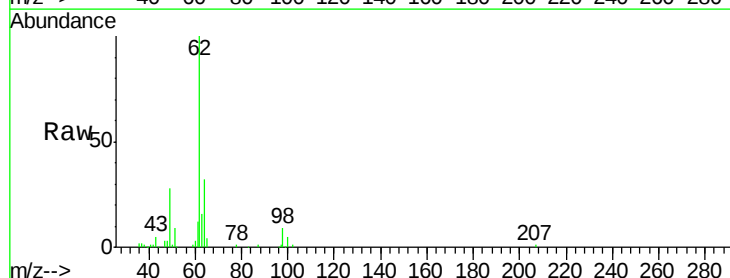


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

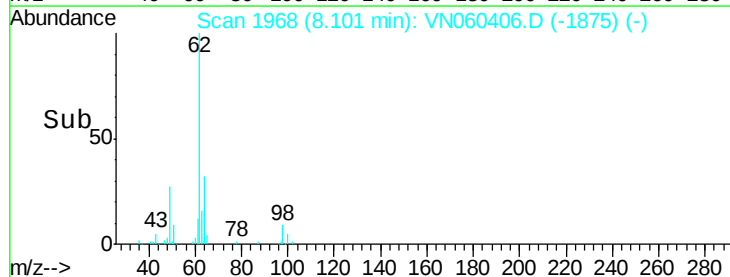
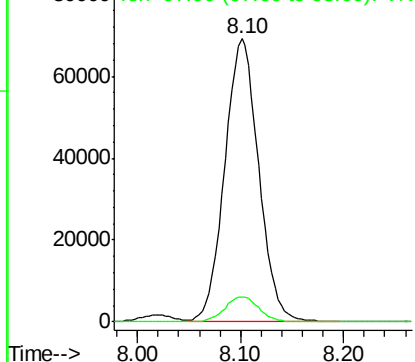


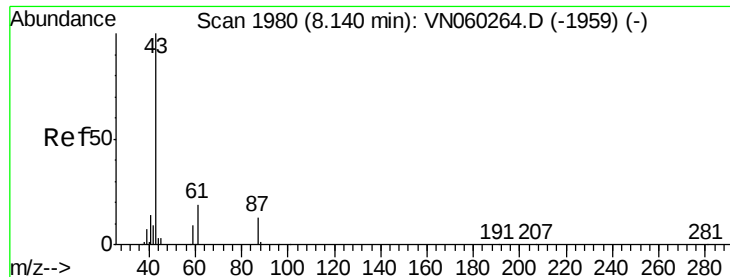
#42
1,2-Dichloroethane
Concen: 49.489 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion:	62	Resp:	158854
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.710 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

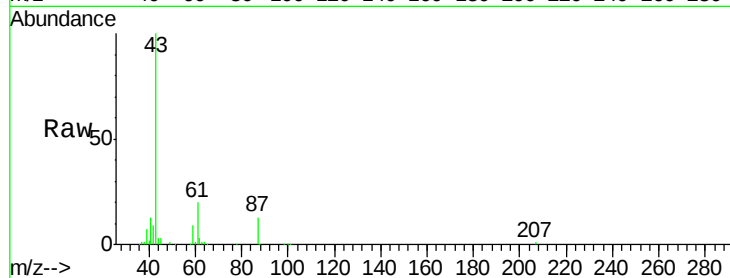
Tgt Ion: 43 Resp: 261969

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

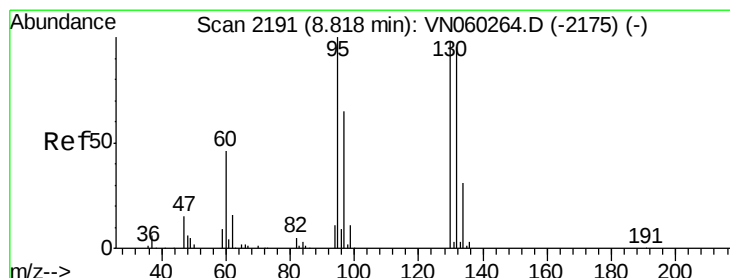
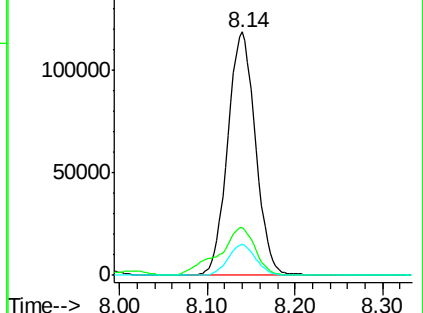
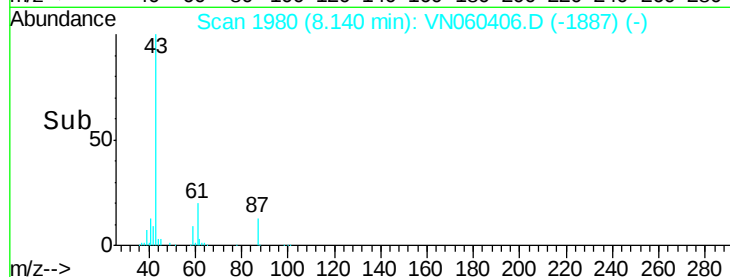
87 12.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060406.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060406.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060406.D (-1959) (-)



#44

Trichloroethene

Concen: 46.991 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060406.D

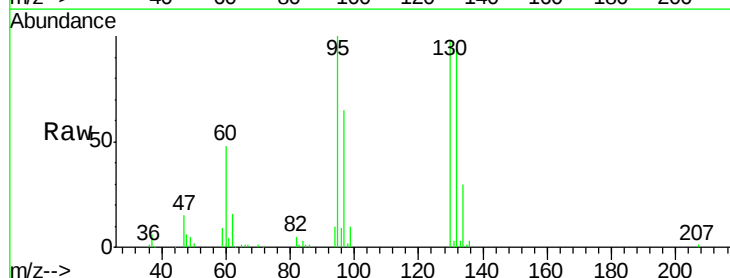
Acq: 10 Mar 2020 10:26

Tgt Ion: 130 Resp: 116413

Ion Ratio Lower Upper

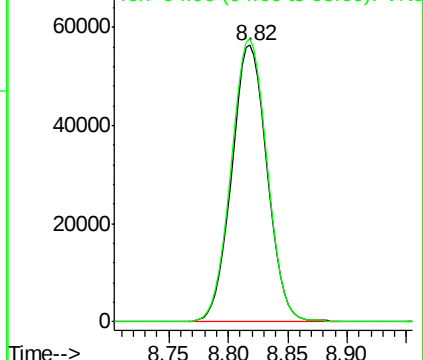
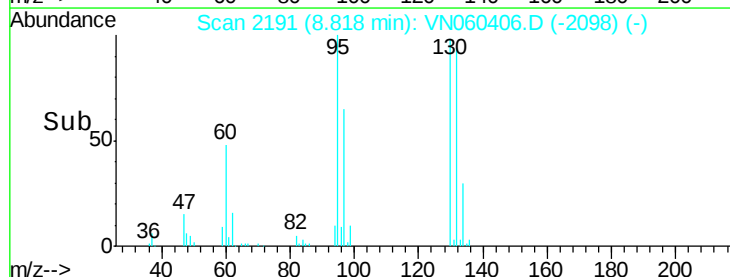
130 100

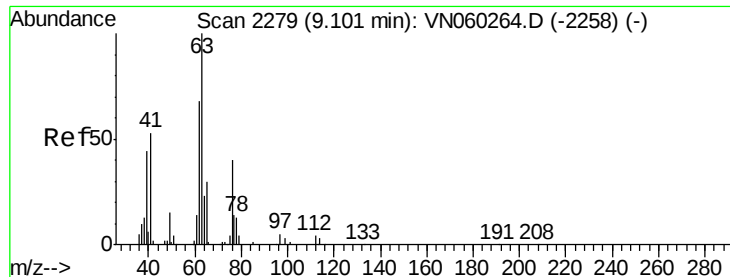
95 102.4 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060406.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060406.D (-2175) (-)

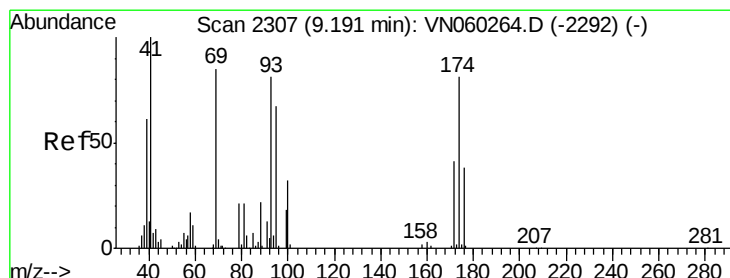
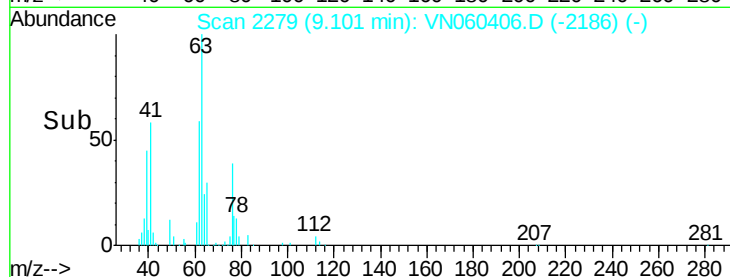
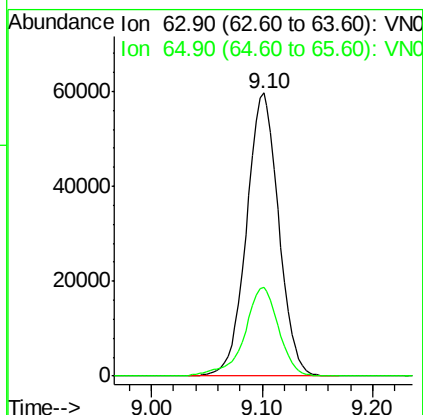
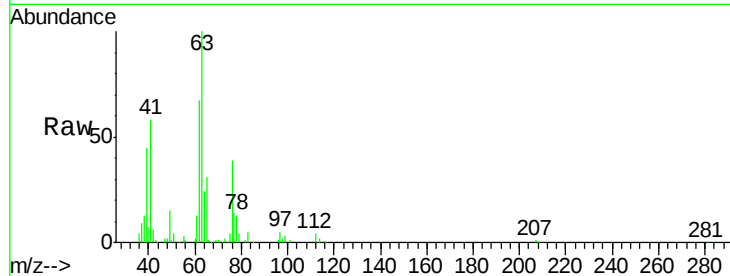




#45
 1,2-Dichloropropane
 Concen: 51.780 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

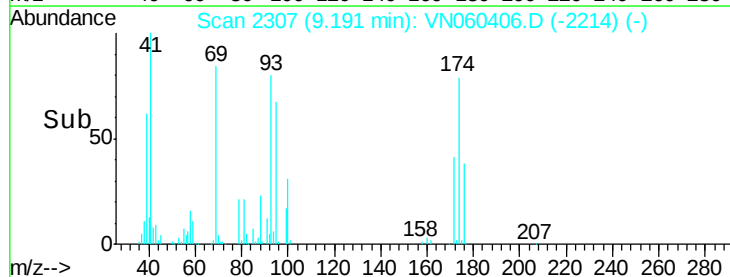
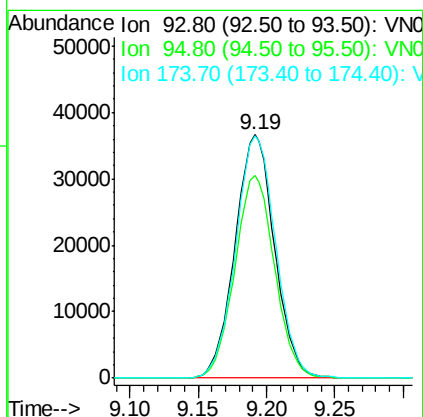
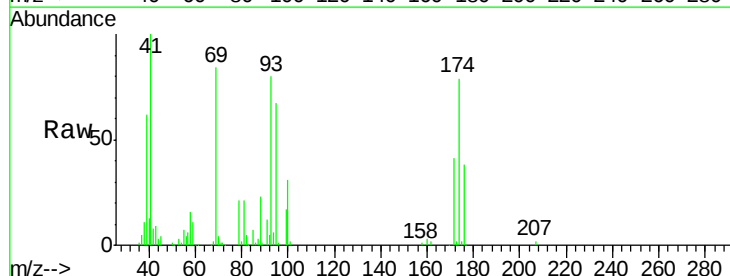
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

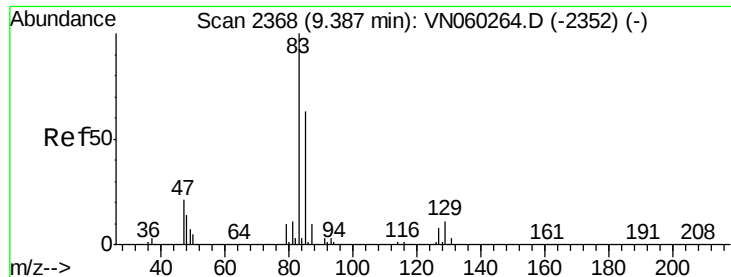
Tgt Ion: 63 Resp: 120422
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6



#46
 Dibromomethane
 Concen: 48.855 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 93 Resp: 73725
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 100.7 79.6 119.4





#47

Bromodichloromethane

Concen: 51.636 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

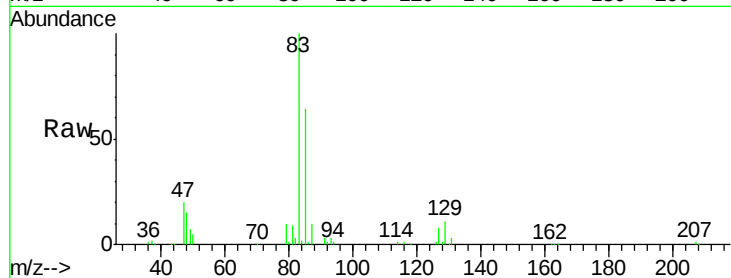
Tgt Ion: 83 Resp: 158480

Ion Ratio Lower Upper

83 100

85 64.0 50.7 76.1

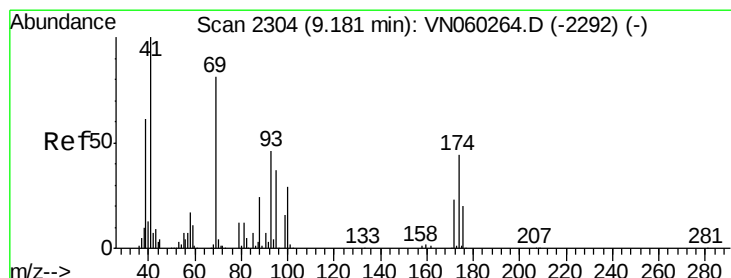
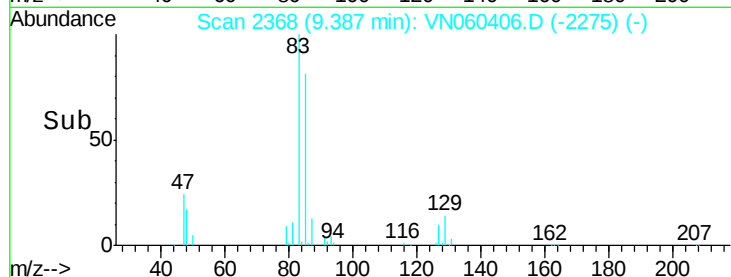
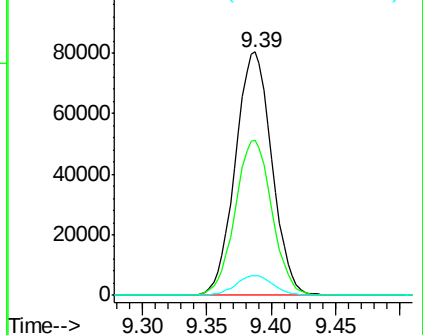
127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060406.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060406.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060406.D (-2275) (-)



#48

Methyl methacrylate

Concen: 50.521 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

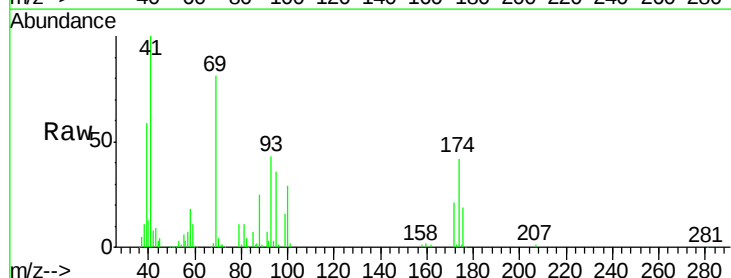
Tgt Ion: 41 Resp: 116714

Ion Ratio Lower Upper

41 100

69 82.8 66.7 100.1

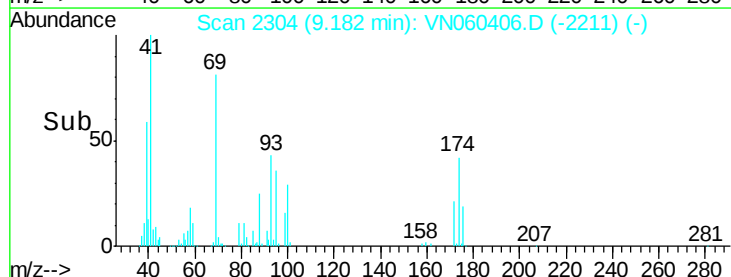
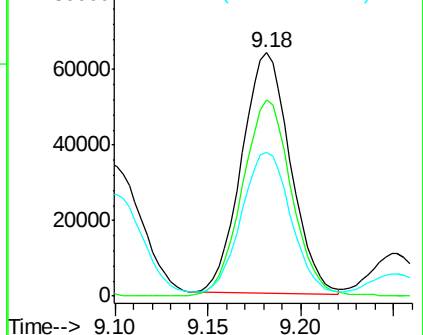
39 62.0 50.1 75.1

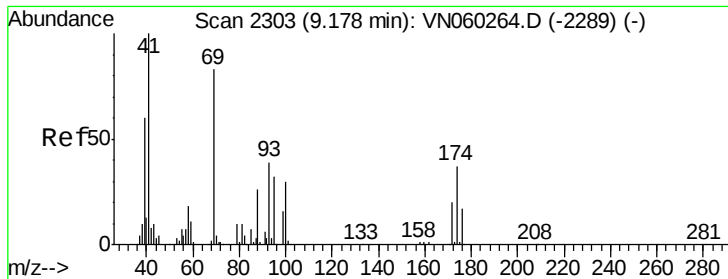


Abundance Ion 41.00 (40.70 to 41.70): VN060406.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060406.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060406.D (-2211) (-)

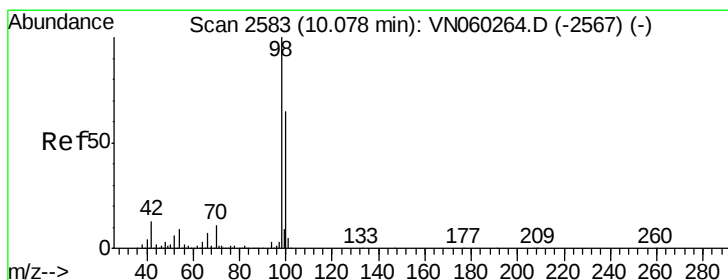
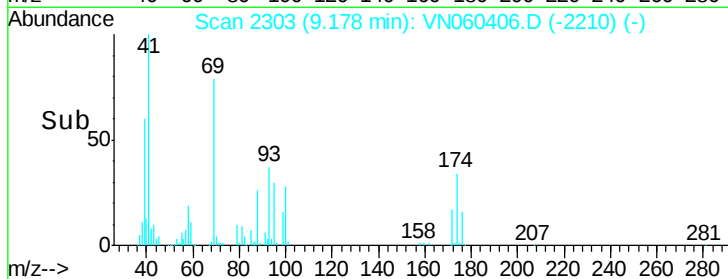
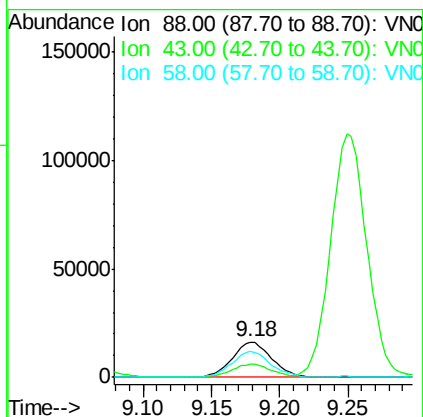
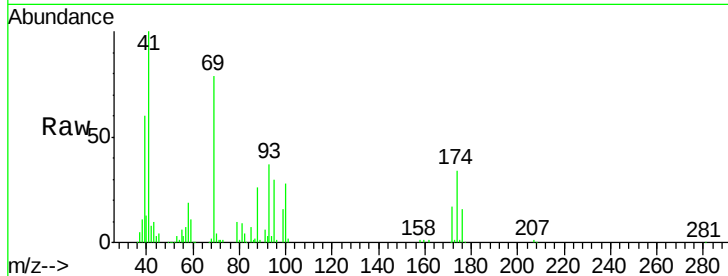




#49
1,4-Dioxane
Concen: 1011.732 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

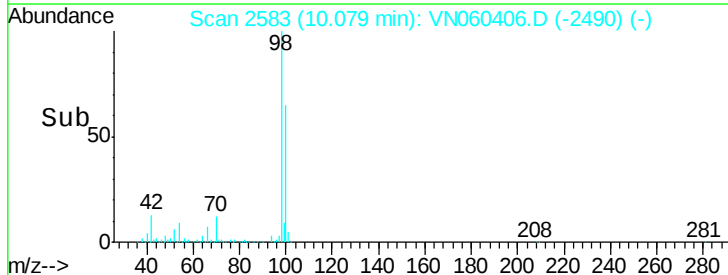
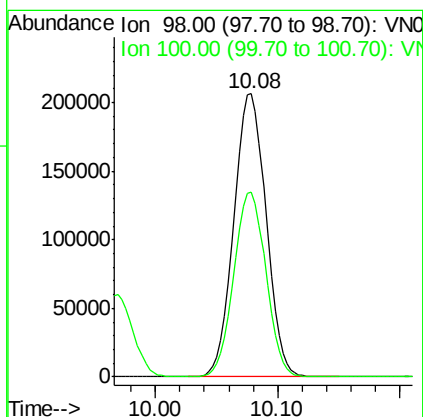
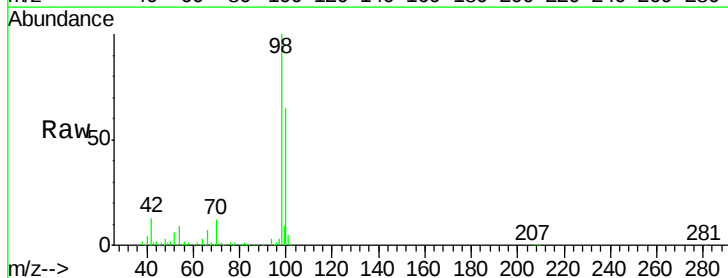
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 88 Resp: 32869
Ion Ratio Lower Upper
88 100
43 37.6 30.4 45.6
58 73.1 57.0 85.6



#50
Toluene-d8
Concen: 50.262 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 98 Resp: 378635
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

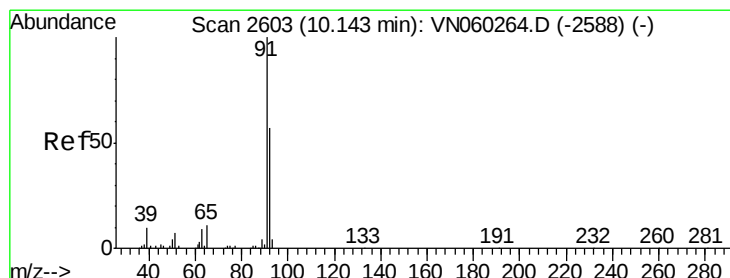
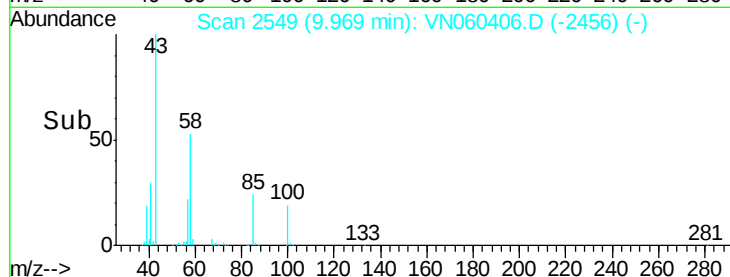
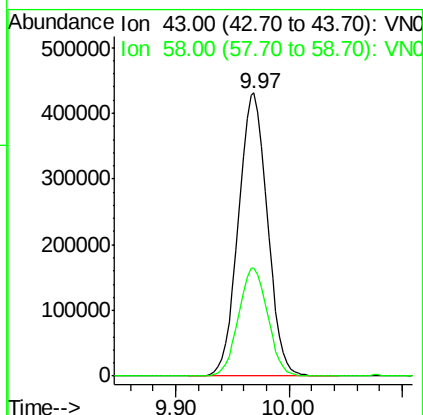
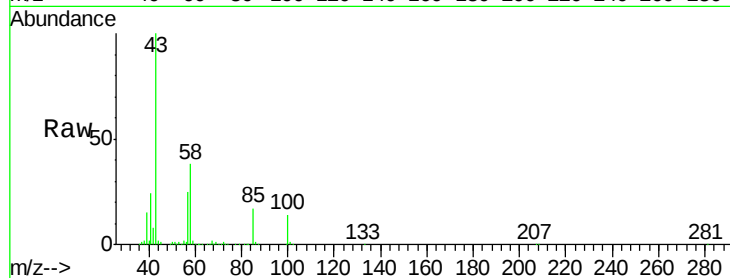




#51
 4-Methyl-2-Pentanone
 Concen: 268.221 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

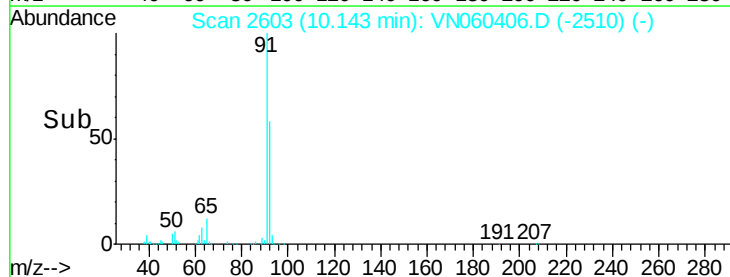
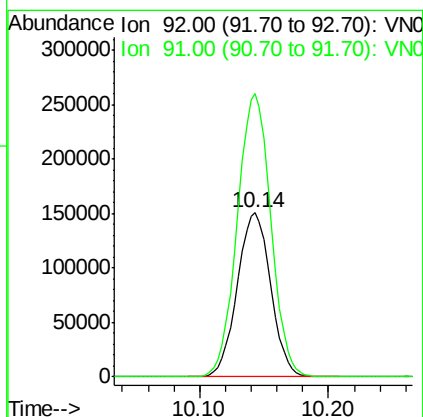
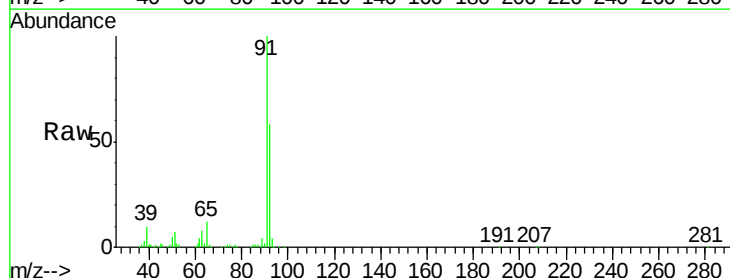
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

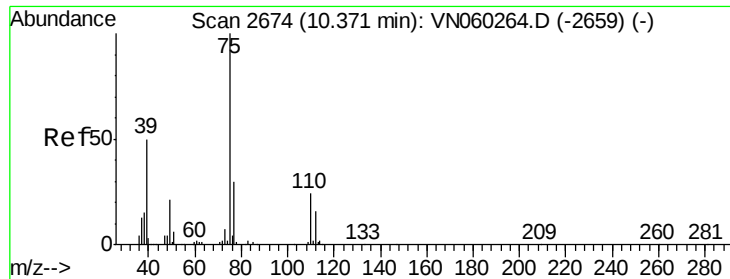
Tgt Ion: 43 Resp: 770438
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.9 46.3



#52
 Toluene
 Concen: 48.717 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 92 Resp: 272211
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 49.088 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

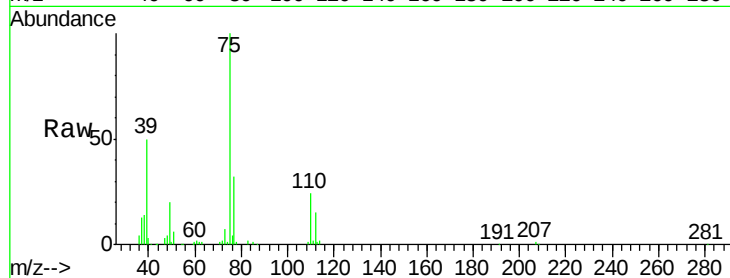
VSTDCCC050

Tgt Ion: 75 Resp: 184607

Ion Ratio Lower Upper

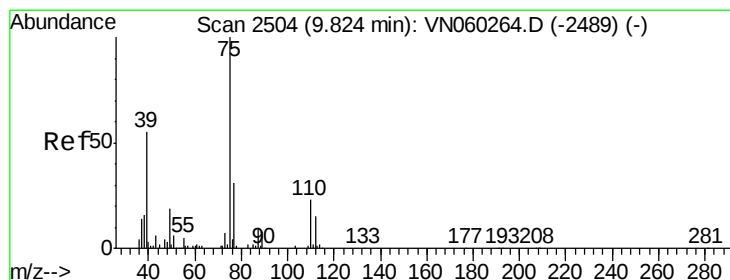
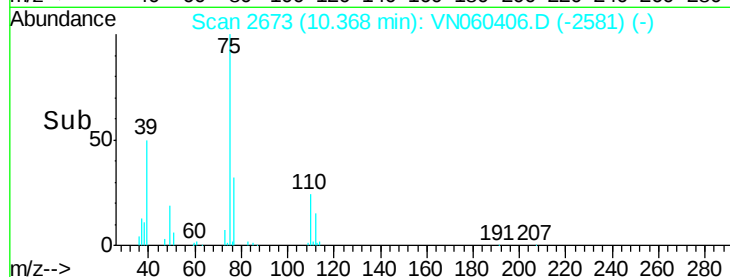
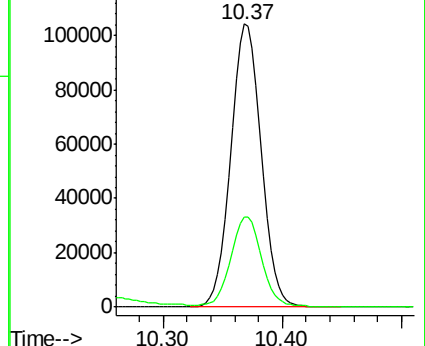
75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN060406.D (-2659) (-)

Ion 76.90 (76.60 to 77.60): VN060406.D (-2659) (-)



#54

cis-1,3-Dichloropropene

Concen: 49.170 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

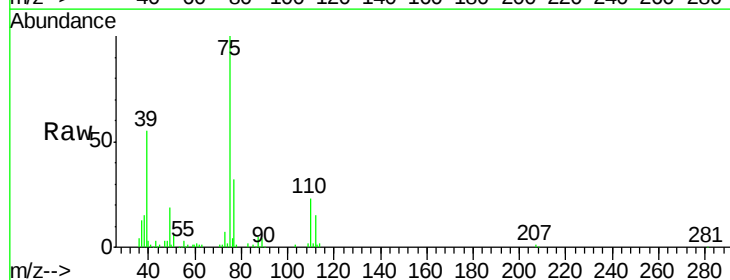
Tgt Ion: 75 Resp: 191610

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

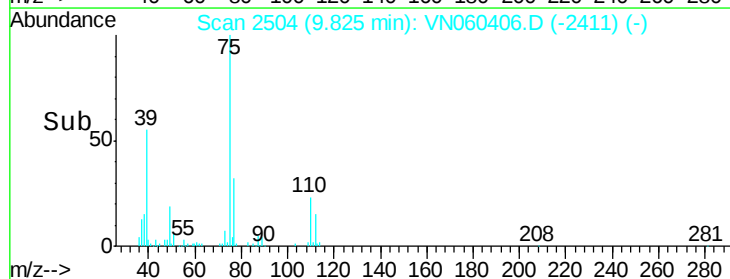
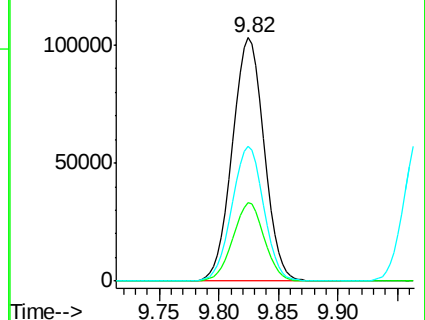
39 55.4 43.8 65.8

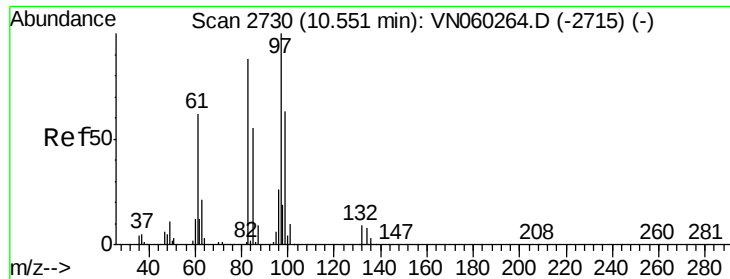


Abundance Ion 74.90 (74.60 to 75.60): VN060406.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060406.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060406.D (-2489) (-)

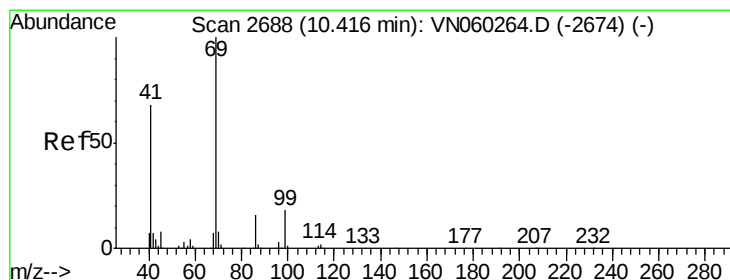
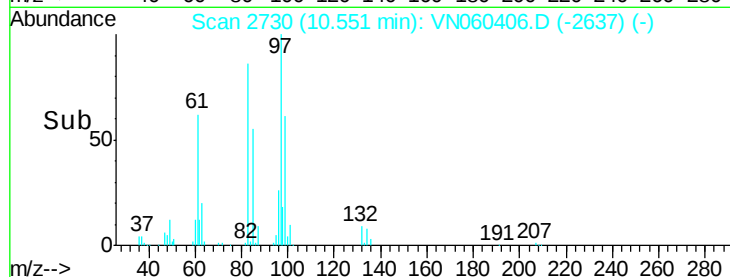
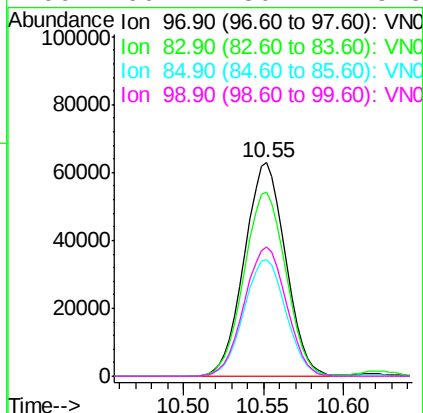
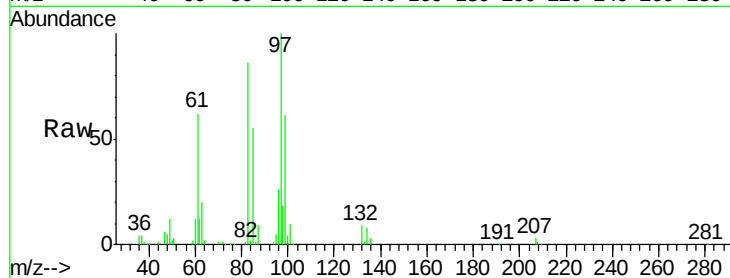




#55
 1,1,2-Trichloroethane
 Concen: 49.317 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

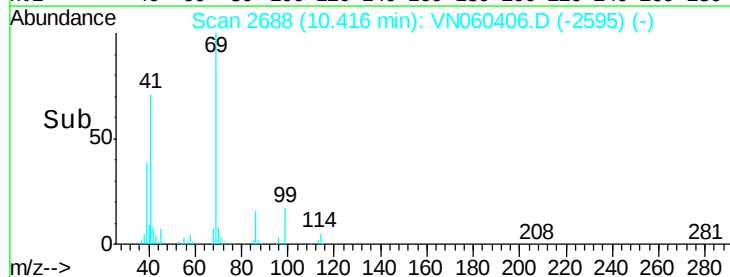
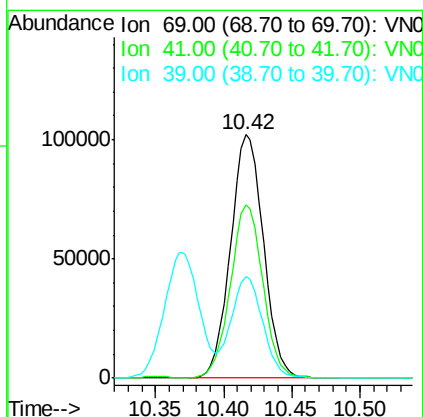
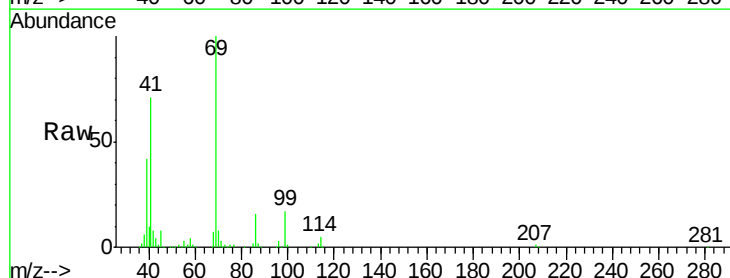
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

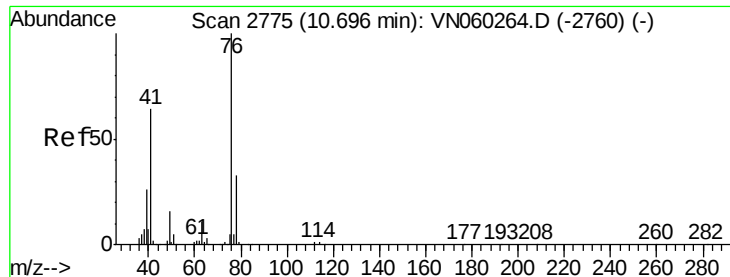
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.0	105.0
85	54.7	44.0	66.0
99	60.7	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 52.969 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.7	54.1	81.1
39	40.6	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.108 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

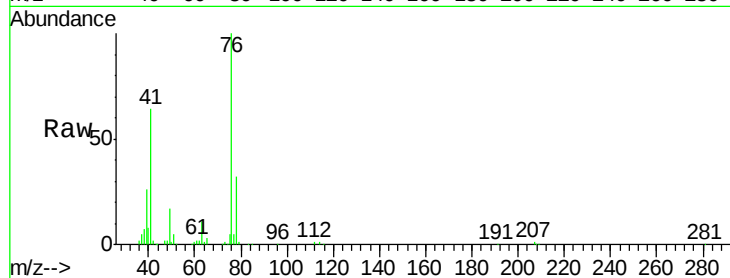
VSTDCCC050

Tgt Ion: 76 Resp: 187285

Ion Ratio Lower Upper

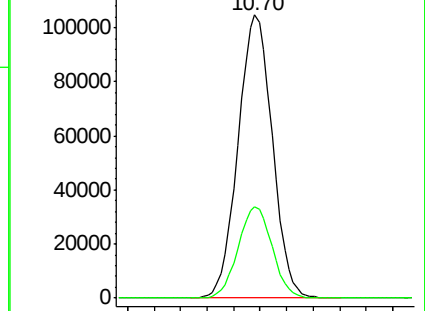
76 100

78 32.1 26.2 39.2

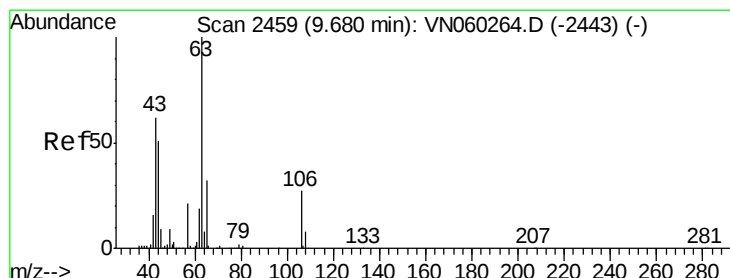
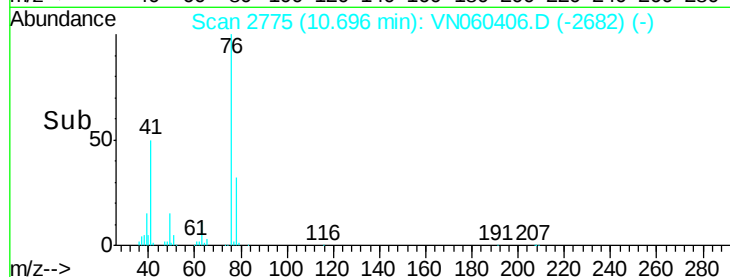


Abundance Ion 75.90 (75.60 to 76.60): VN060406.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060406.D (-2682) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.028 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060406.D

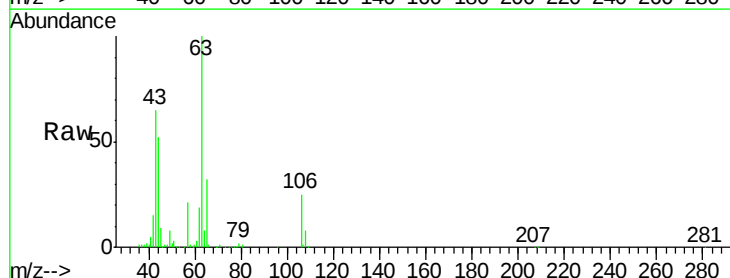
Acq: 10 Mar 2020 10:26

Tgt Ion: 63 Resp: 432269

Ion Ratio Lower Upper

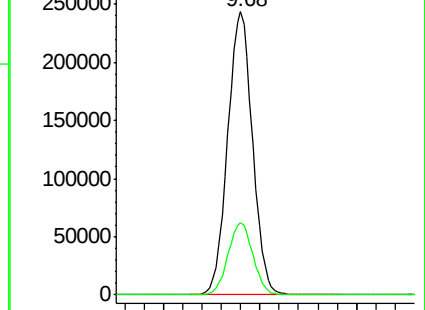
63 100

106 25.7 21.1 31.7

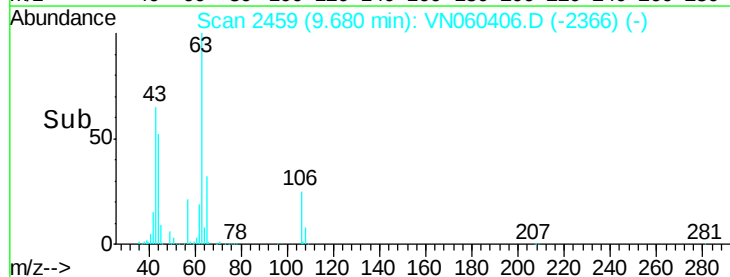


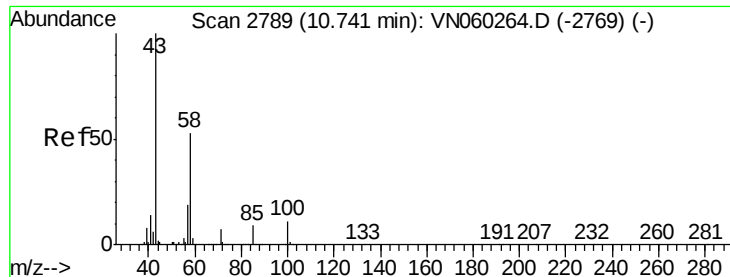
Abundance Ion 62.90 (62.60 to 63.60): VN060406.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060406.D (-2366) (-)



Time-->

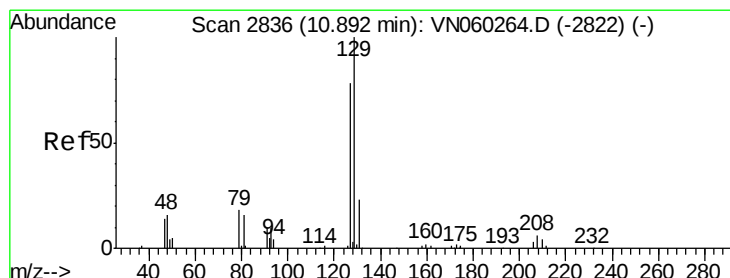
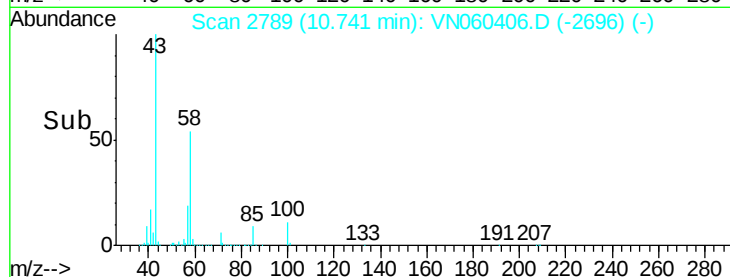
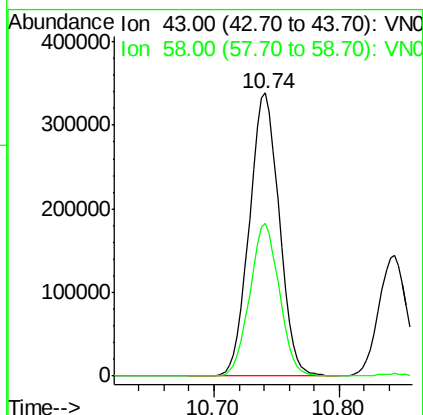
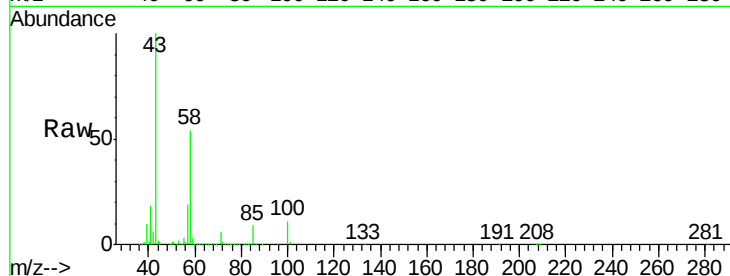




#59
2-Hexanone
Concen: 266.815 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

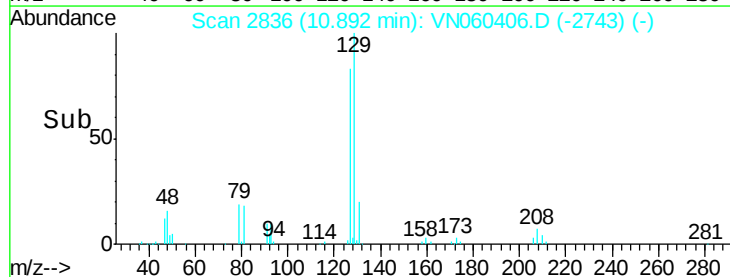
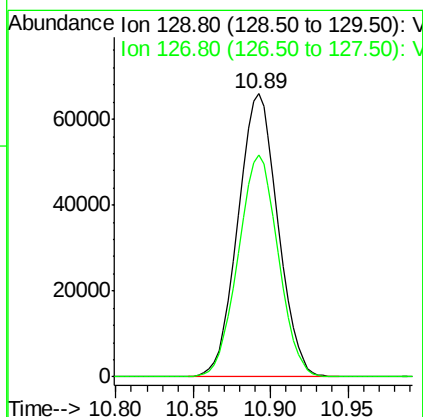
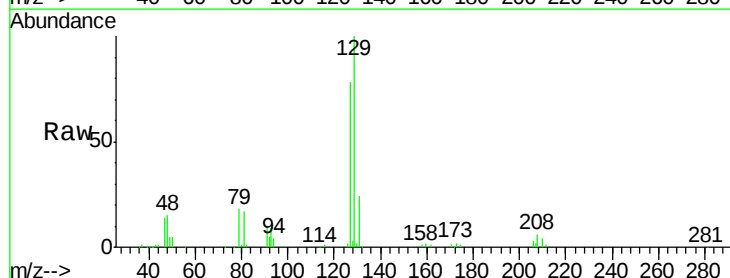
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 562708
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5



#60
Dibromochloromethane
Concen: 51.819 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 129 Resp: 118414
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

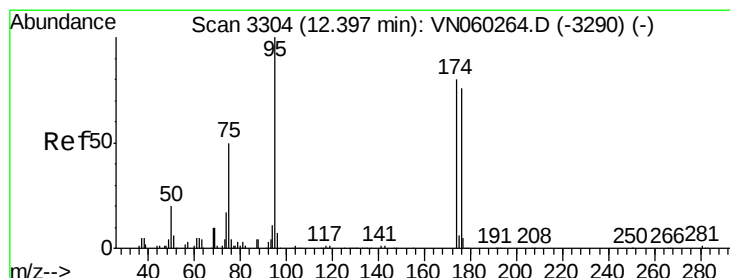
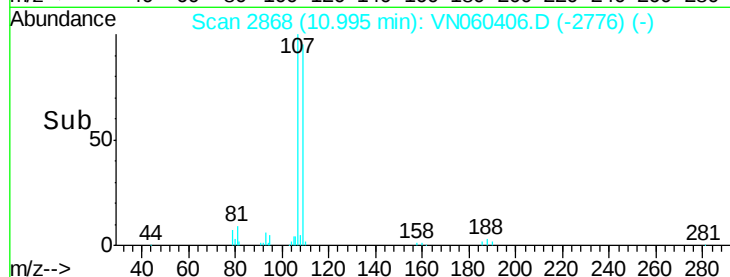
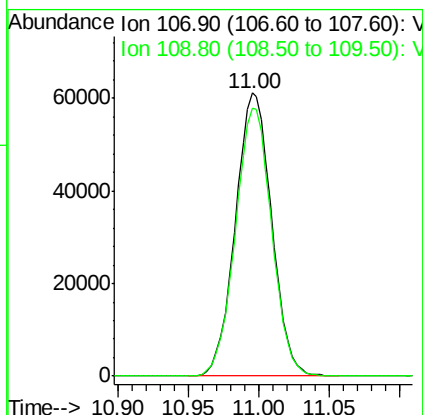
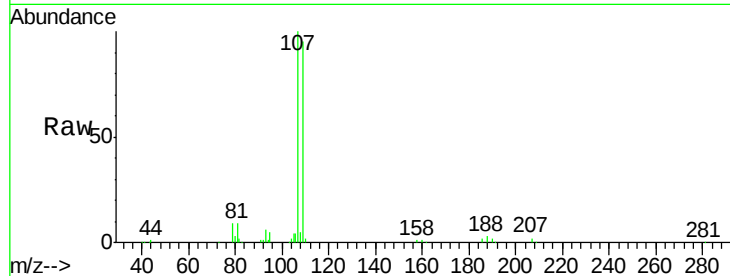




#61
 1,2-Dibromoethane
 Concen: 50.244 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

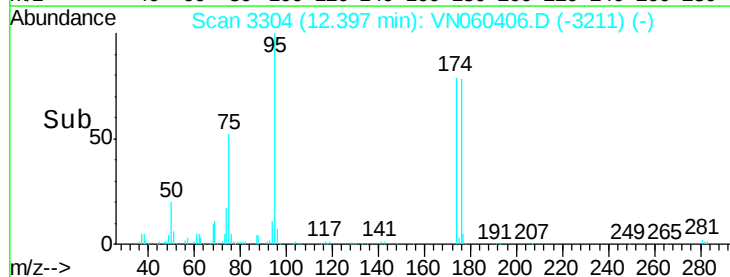
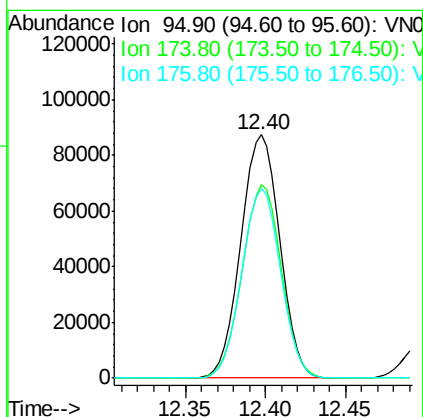
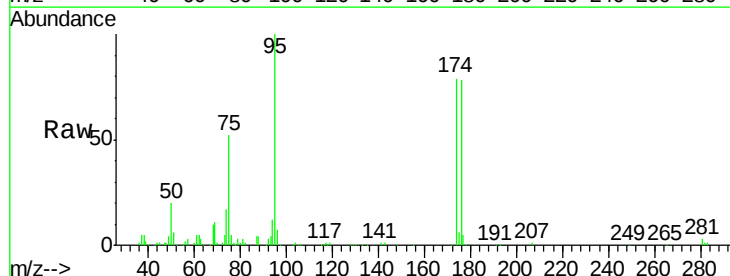
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 110057
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.979 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion: 95 Resp: 145579
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 159.2
 176 77.5 0.0 153.8

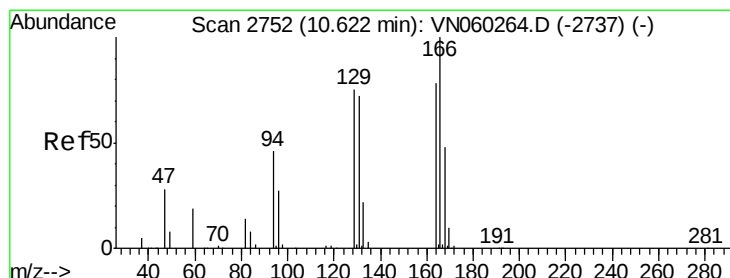
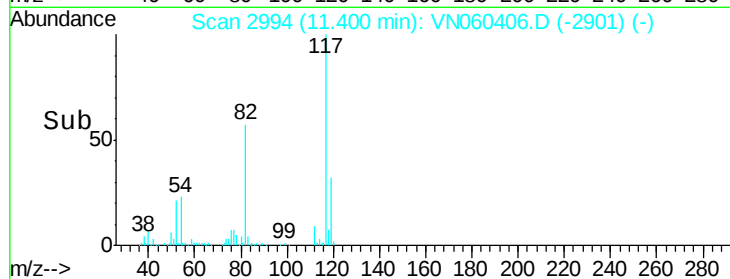
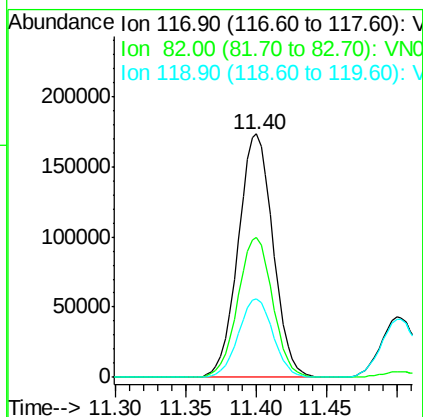
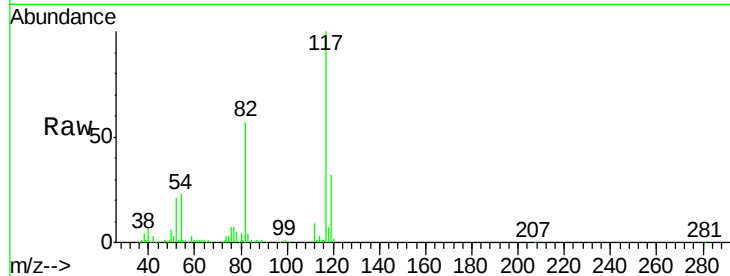




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

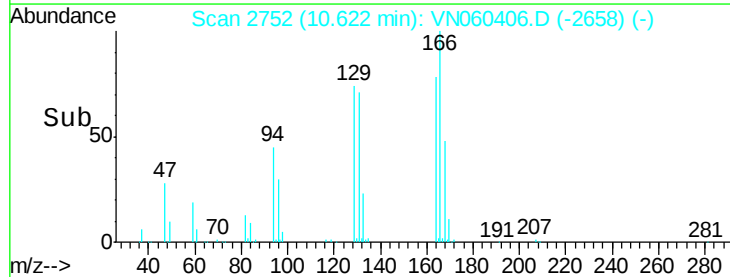
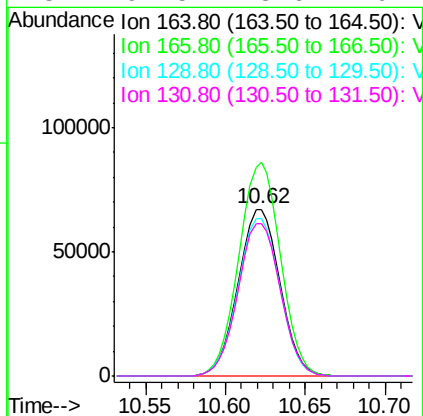
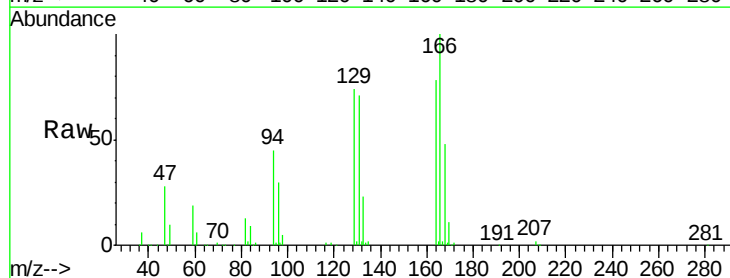
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 299848
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 50.594 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion:164 Resp: 119405
Ion Ratio Lower Upper
164 100
166 128.0 102.0 153.0
129 94.5 76.4 114.6
131 91.5 73.6 110.4





#65

Chlorobenzene

Concen: 47.769 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

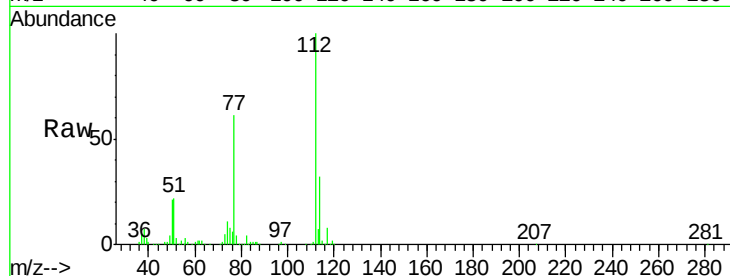
VSTDCCC050

Tgt Ion:112 Resp: 289226

Ion Ratio Lower Upper

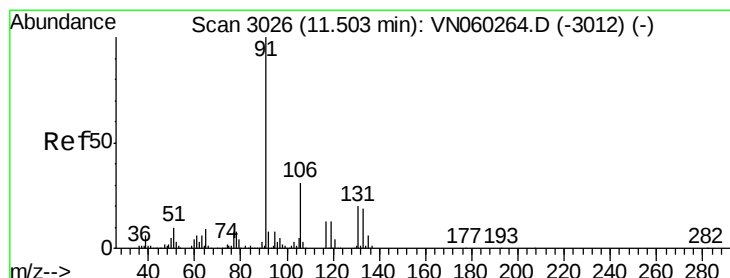
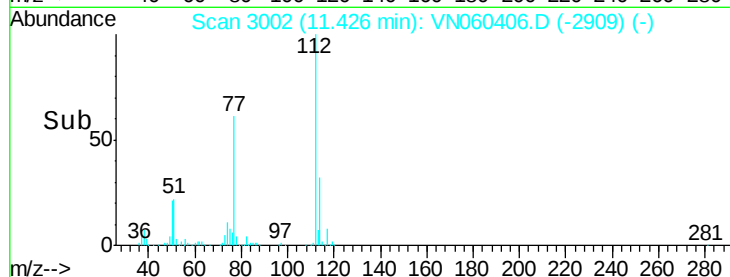
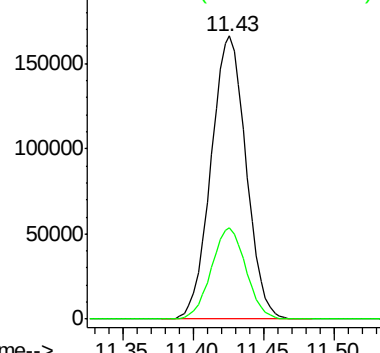
112 100

114 32.1 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: 49.557 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

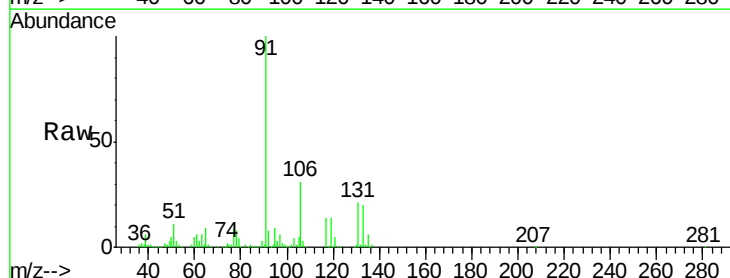
Tgt Ion:131 Resp: 110943

Ion Ratio Lower Upper

131 100

133 96.6 47.7 143.1

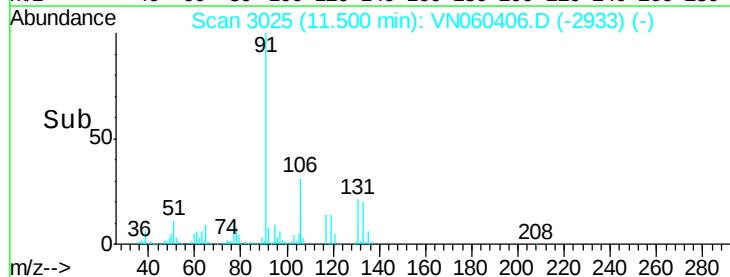
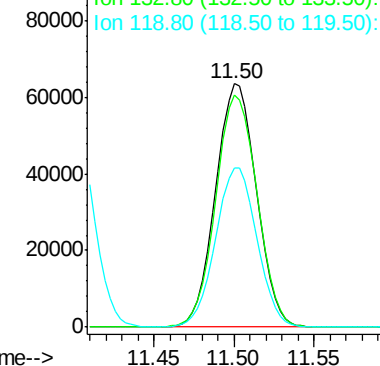
119 66.1 33.2 99.6

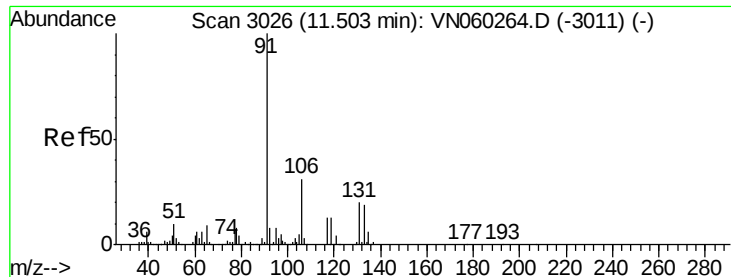


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

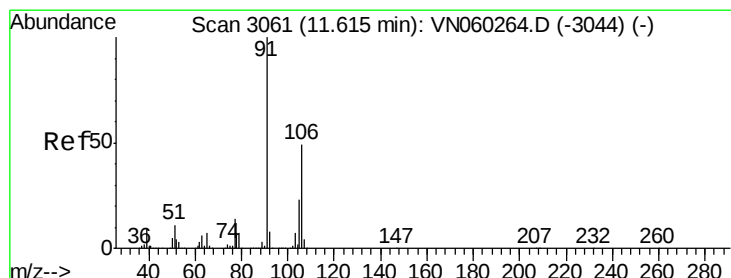
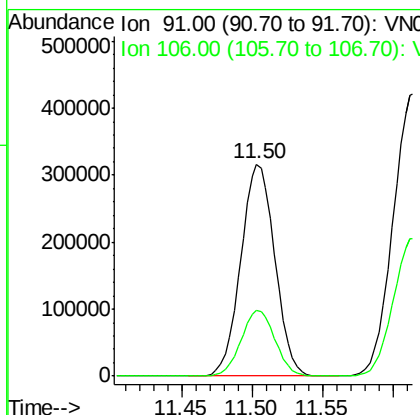
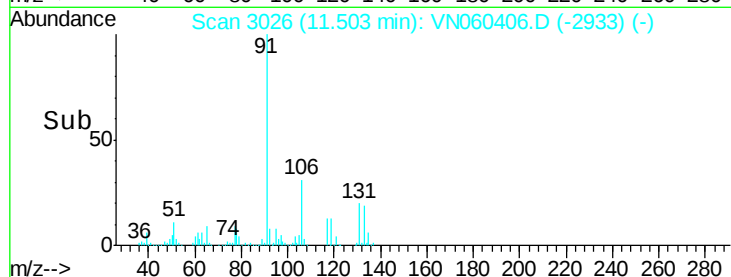
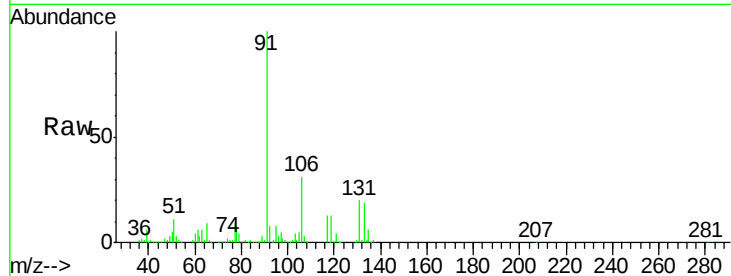




#67
Ethyl Benzene
Concen: 48.541 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

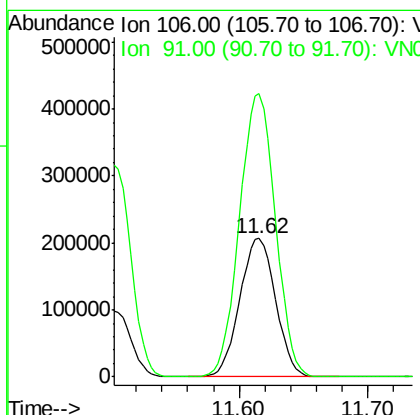
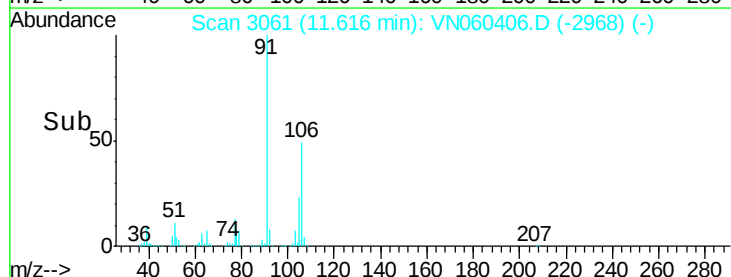
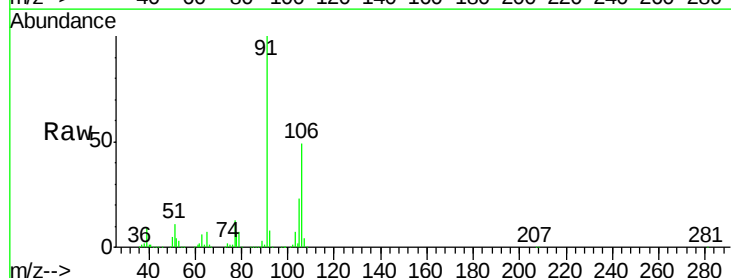
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

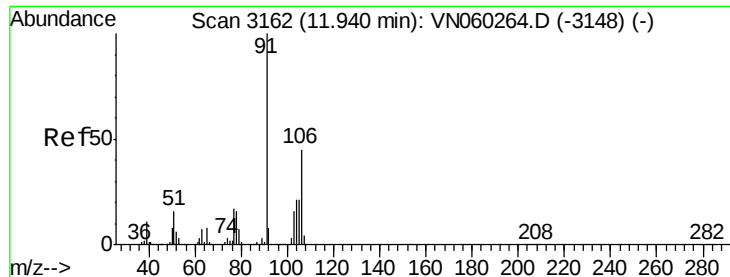
Tgt Ion: 91 Resp: 535214
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 95.879 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 106 Resp: 398860
Ion Ratio Lower Upper
106 100
91 204.9 164.5 246.7

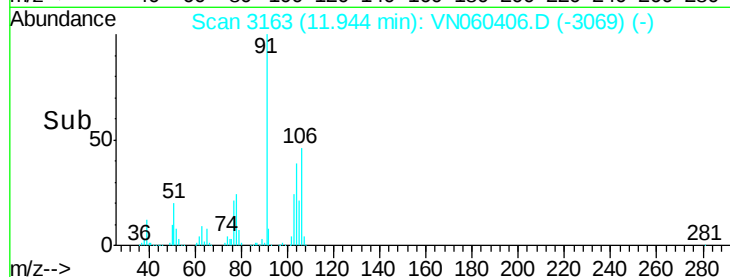
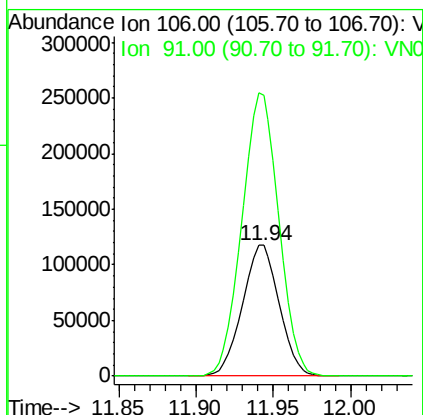
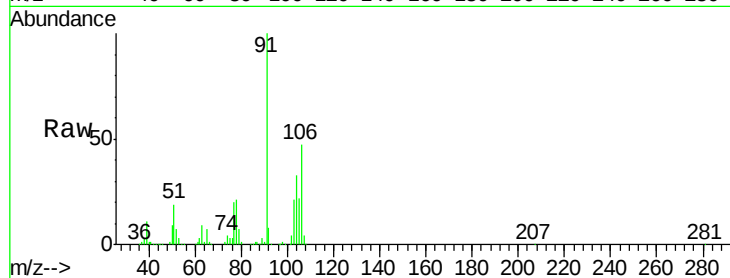




#69
o-Xylene
Concen: 49.156 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

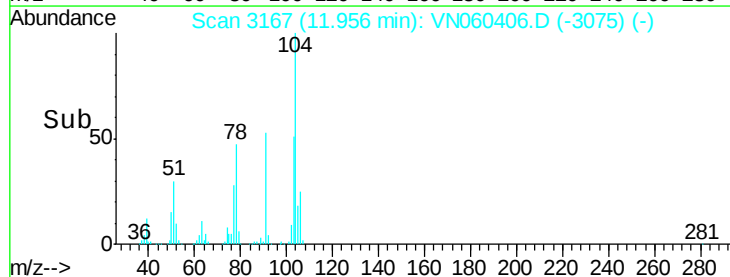
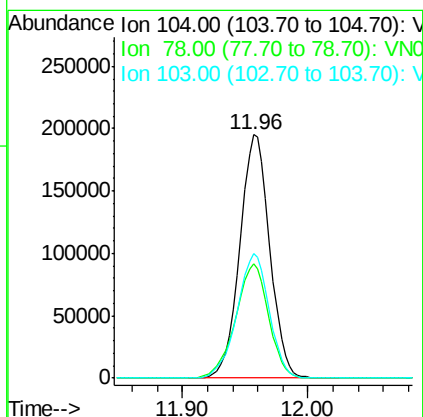
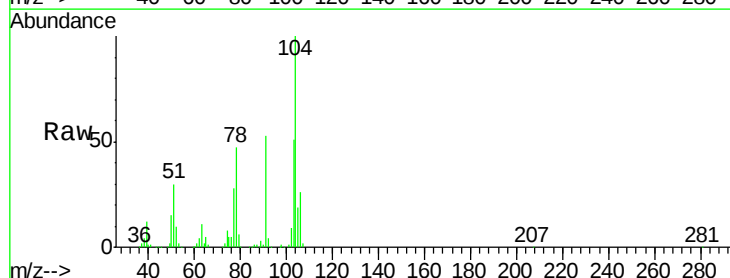
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

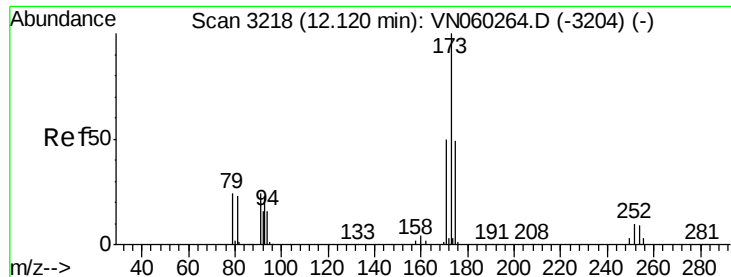
Tgt Ion:106 Resp: 195002
Ion Ratio Lower Upper
106 100
91 216.5 109.5 328.4



#70
Styrene
Concen: 49.596 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion:104 Resp: 323474
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.1 43.9 65.9

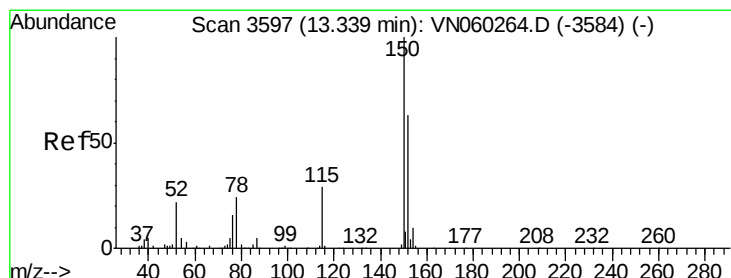
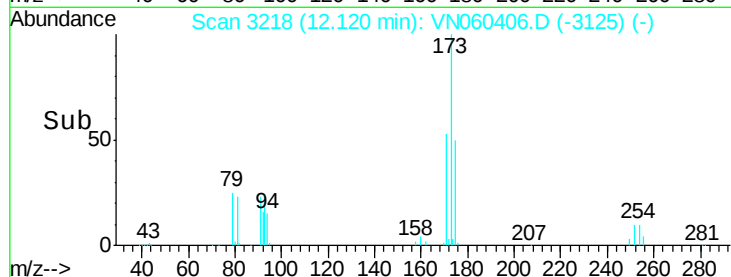
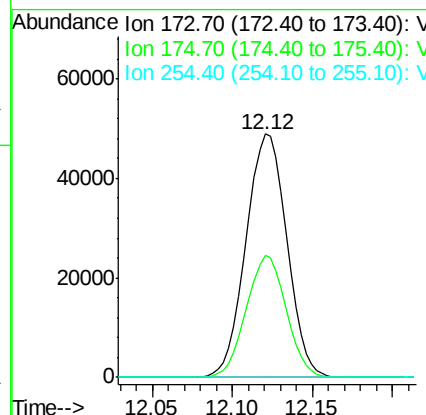
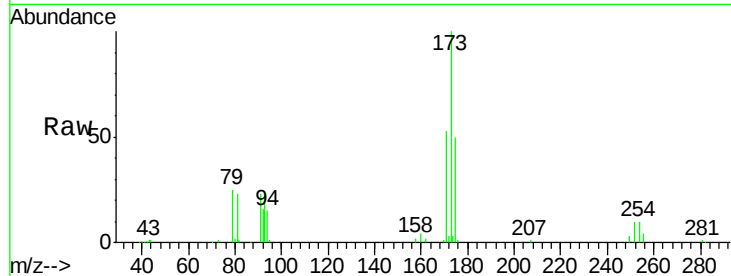




#71
 Bromoform
 Concen: 52.998 ug/l
 RT: 12.12 min Scan# 3218
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

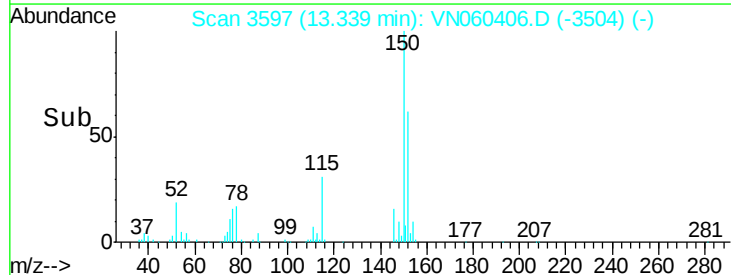
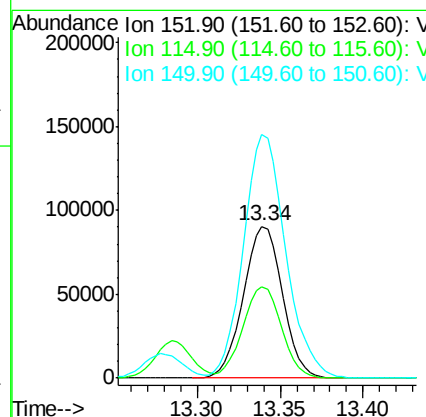
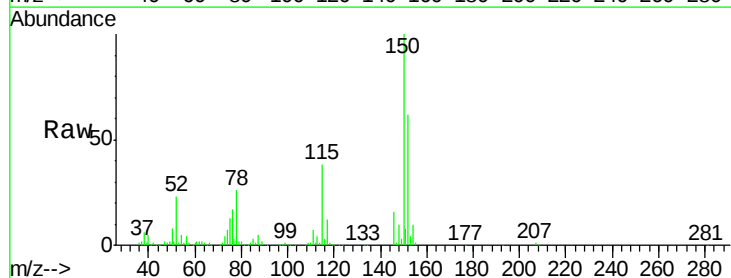
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

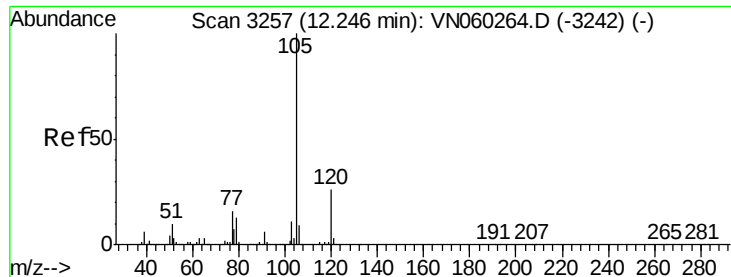
Tgt Ion:173 Resp: 85510
 Ion Ratio Lower Upper
 173 100
 175 48.7 24.1 72.2
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion:152 Resp: 148167
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.0 90.0
 150 173.8 0.0 349.6





#73

Isopropylbenzene

Concen: 47.903 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

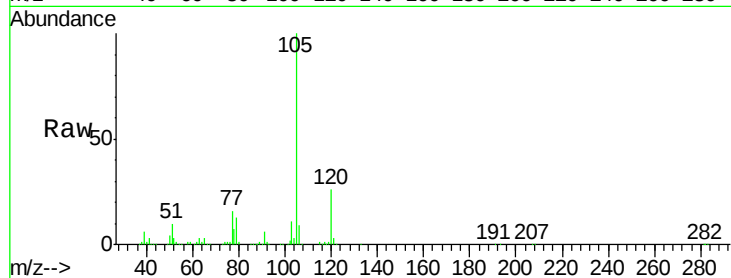
VSTDCCC050

Tgt Ion: 105 Resp: 526074

Ion Ratio Lower Upper

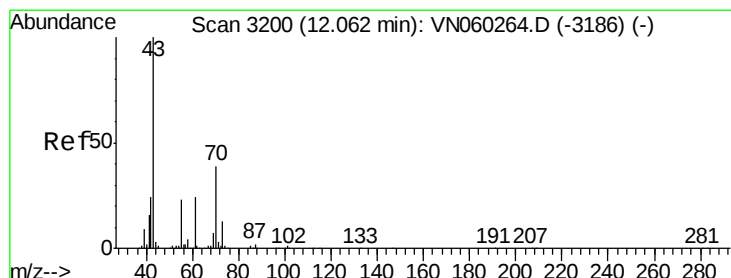
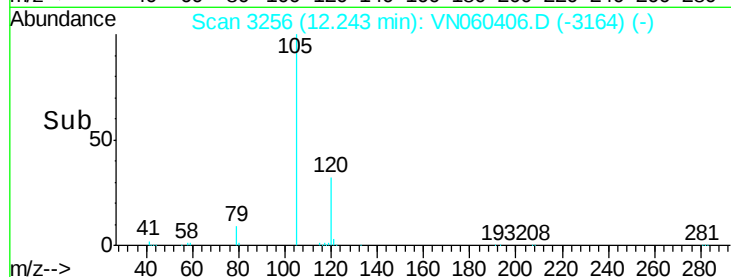
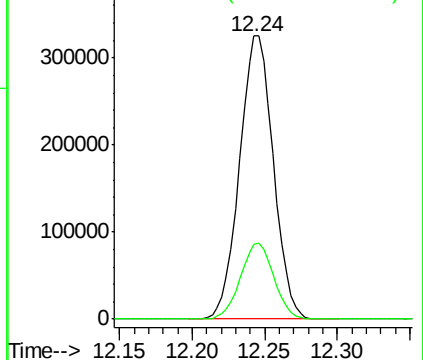
105 100

120 26.4 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: 49.174 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Tgt Ion: 43 Resp: 235979

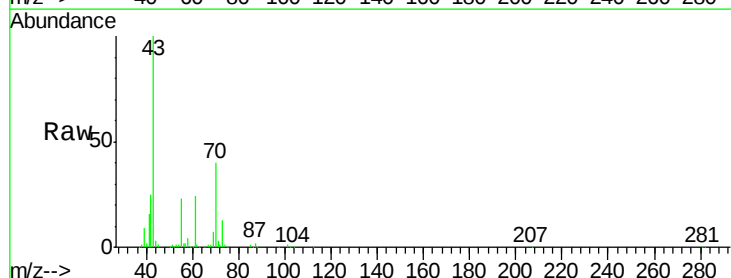
Ion Ratio Lower Upper

43 100

70 40.1 32.2 48.2

55 24.0 18.2 27.4

61 23.6 19.2 28.8

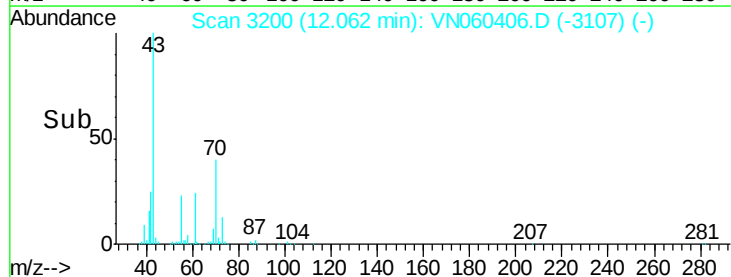
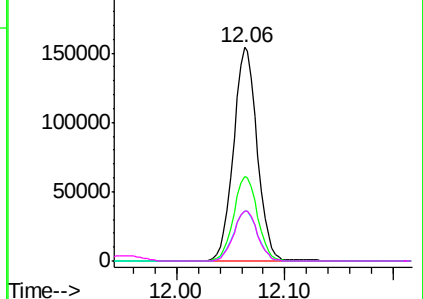


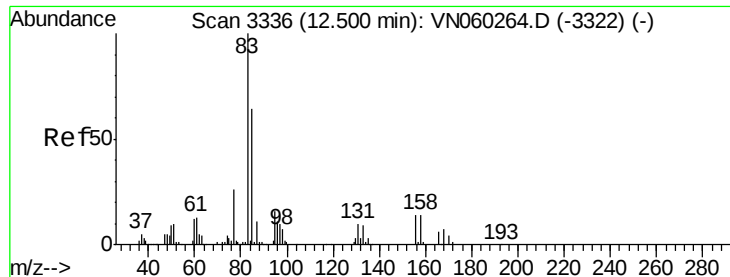
Abundance Ion 43.00 (42.70 to 43.70): V

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: 51.449 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

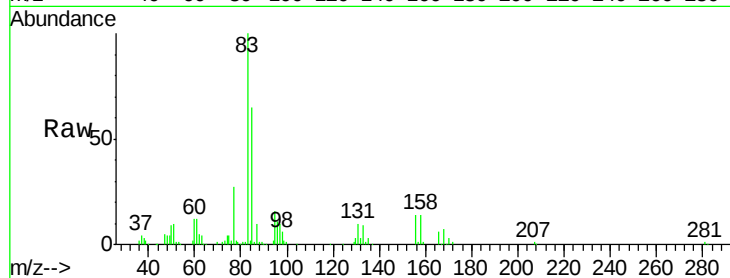
Tgt Ion: 83 Resp: 153584

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

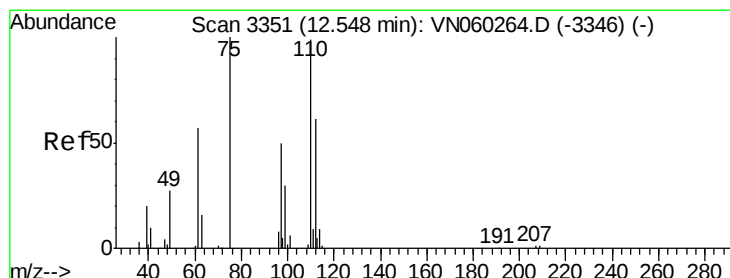
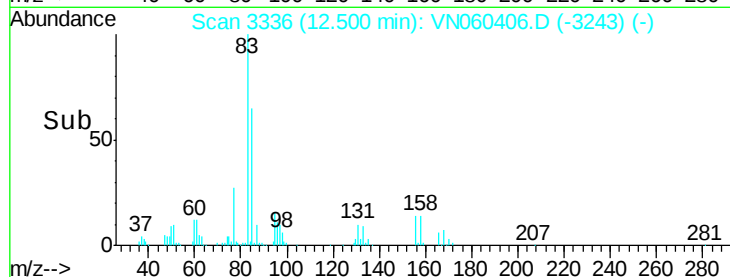
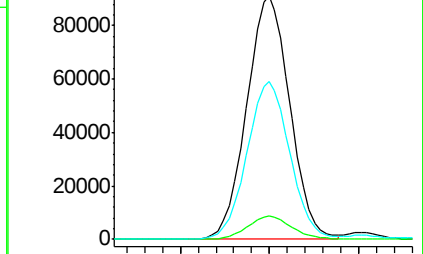
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060406.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060406.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060406.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 66.848 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060406.D

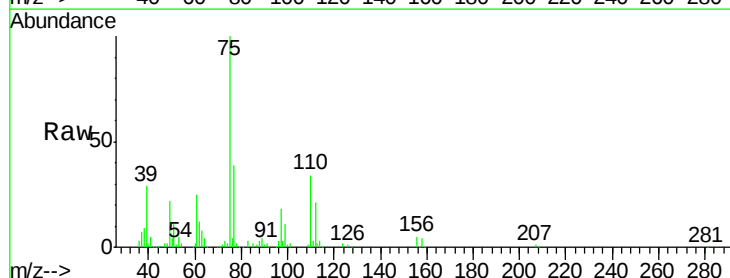
Acq: 10 Mar 2020 10:26

Tgt Ion: 75 Resp: 217308

Ion Ratio Lower Upper

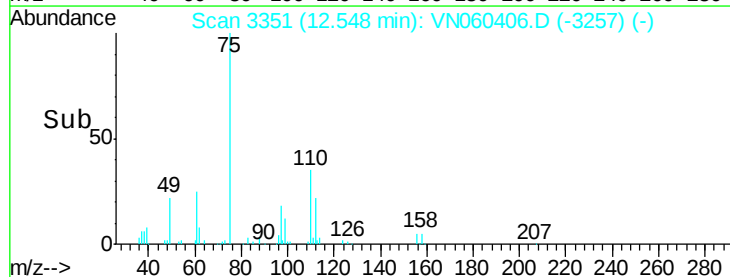
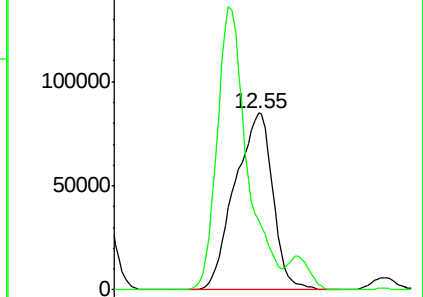
75 100

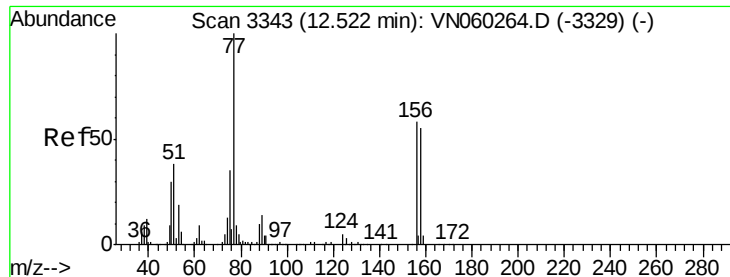
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060406.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060406.D (-3346) (-)





#77

Bromobenzene

Concen: 47.448 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

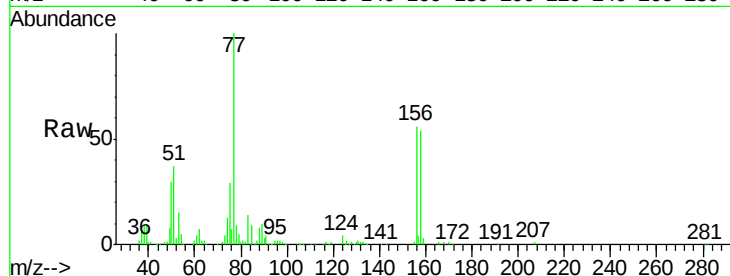
Tgt Ion:156 Resp: 127729

Ion Ratio Lower Upper

156 100

77 215.7 106.1 318.3

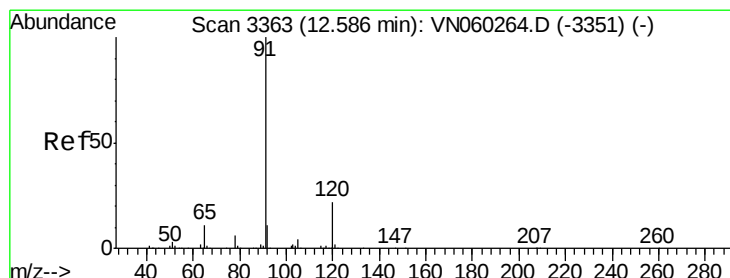
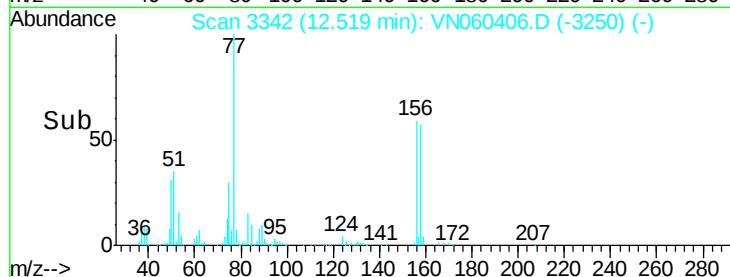
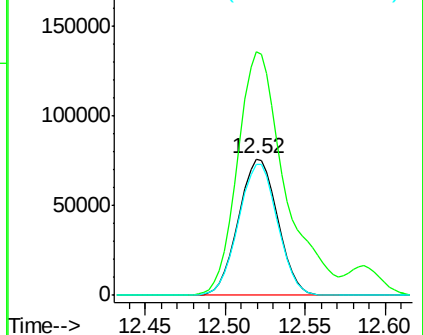
158 96.1 48.3 144.8



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: 48.381 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060406.D

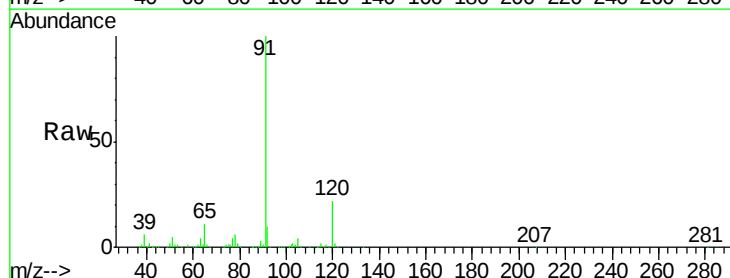
Acq: 10 Mar 2020 10:26

Tgt Ion: 91 Resp: 622799

Ion Ratio Lower Upper

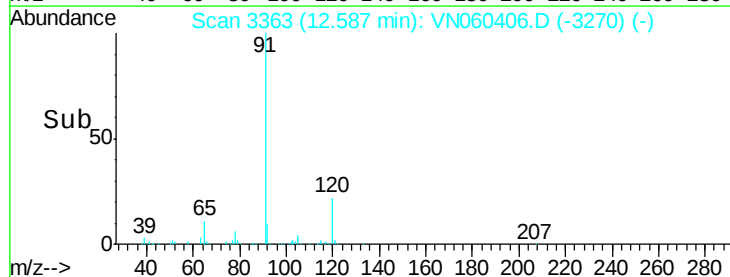
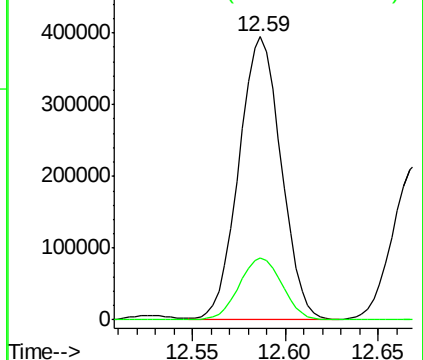
91 100

120 22.3 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: 47.617 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

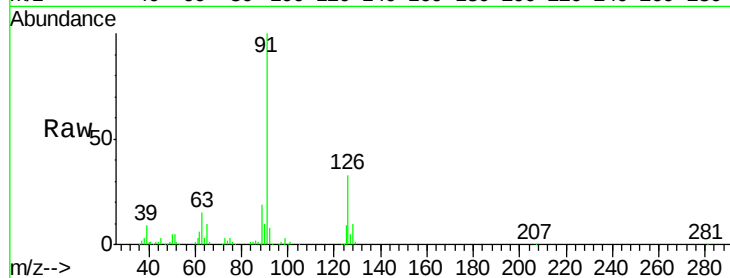
VSTDCCC050

Tgt Ion: 91 Resp: 360316

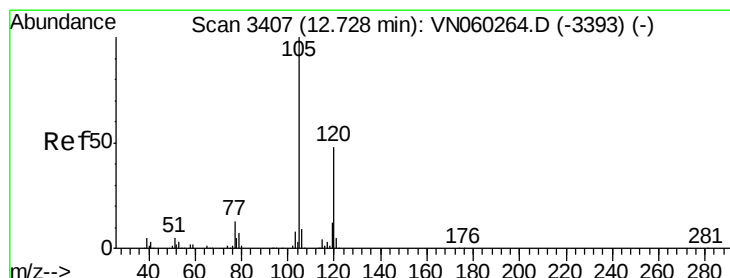
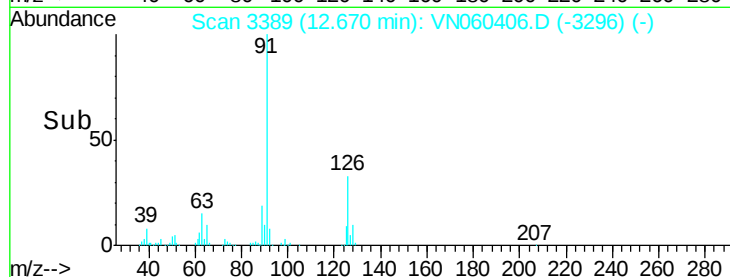
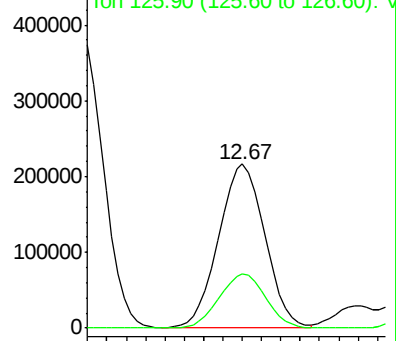
Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060406.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.294 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060406.D

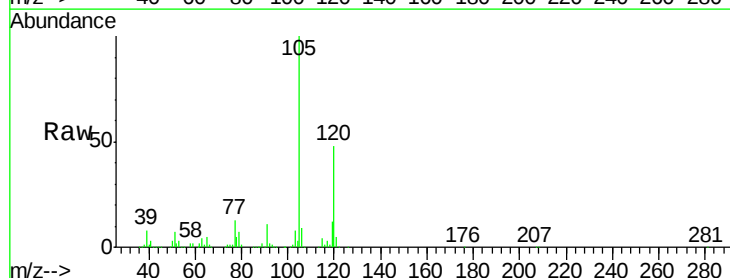
Acq: 10 Mar 2020 10:26

Tgt Ion: 105 Resp: 446545

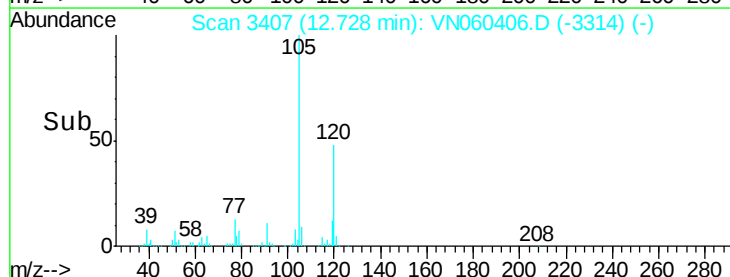
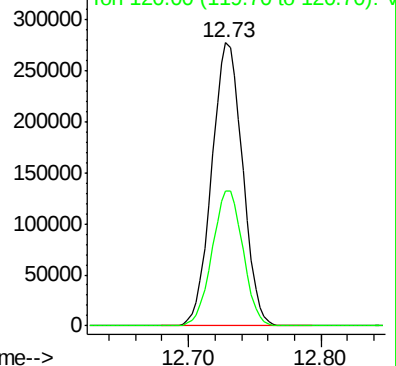
Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060406.D (-3393) (-)

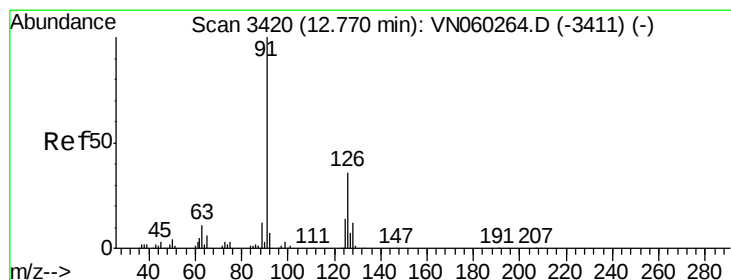
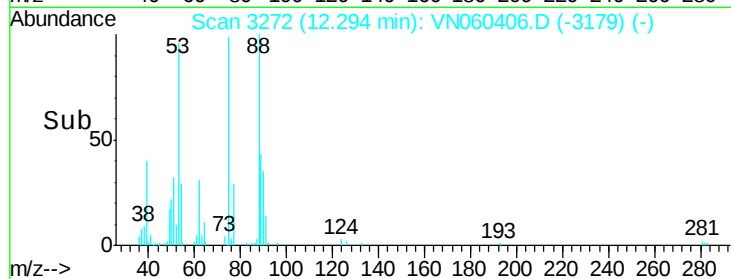
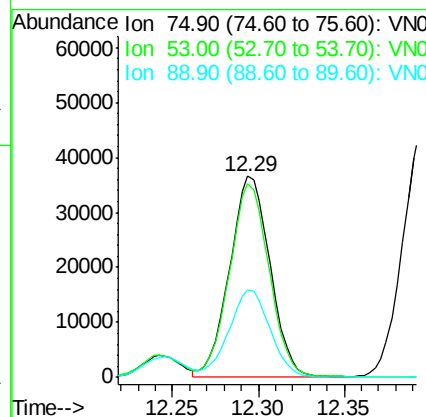
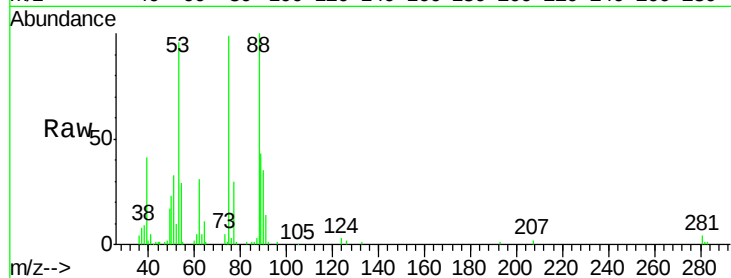




#81
trans-1,4-Dichloro-2-butene
Concen: 51.227 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

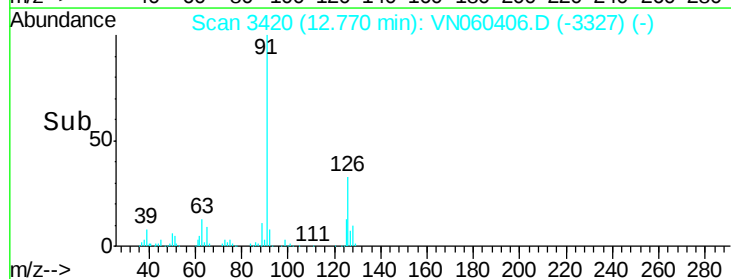
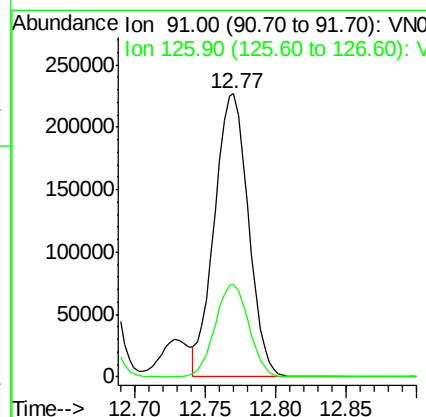
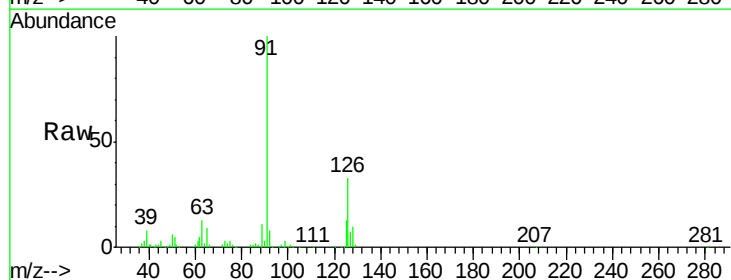
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

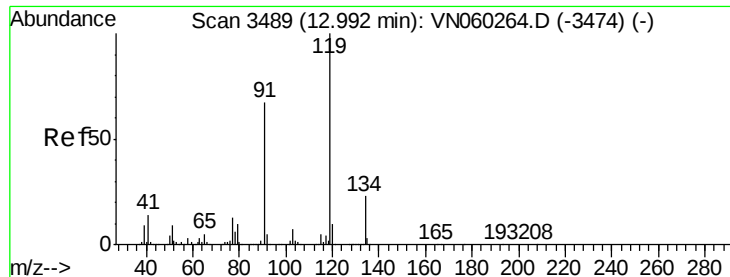
Tgt Ion: 75 Resp: 60326
Ion Ratio Lower Upper
75 100
53 93.2 73.8 110.6
89 44.1 57.1 85.7#



#82
4-Chlorotoluene
Concen: 47.363 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion: 91 Resp: 377592
Ion Ratio Lower Upper
91 100
126 32.6 16.7 50.1

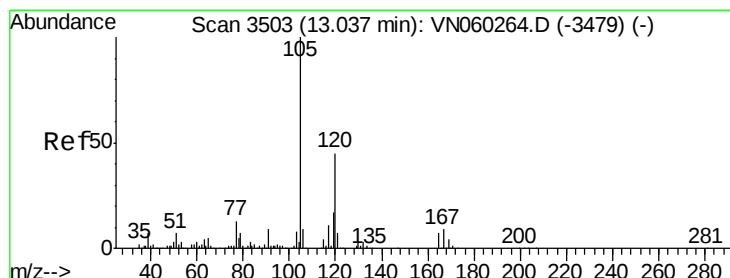
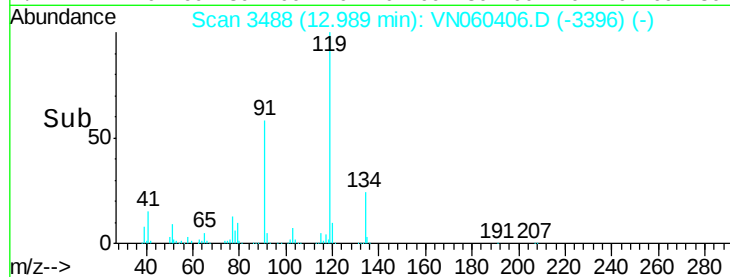
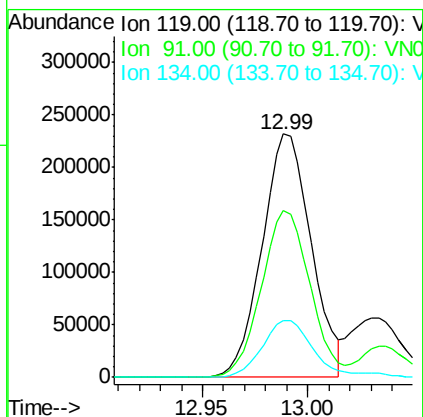
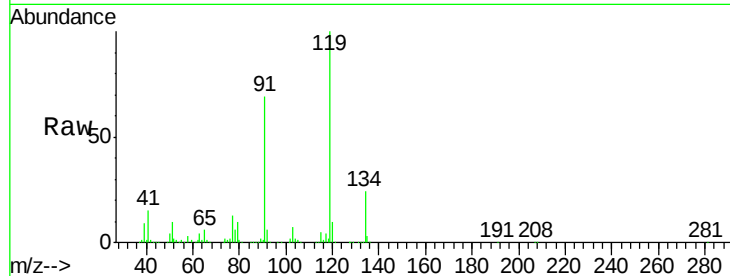




#83
tert-Butylbenzene
Concen: 46.988 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

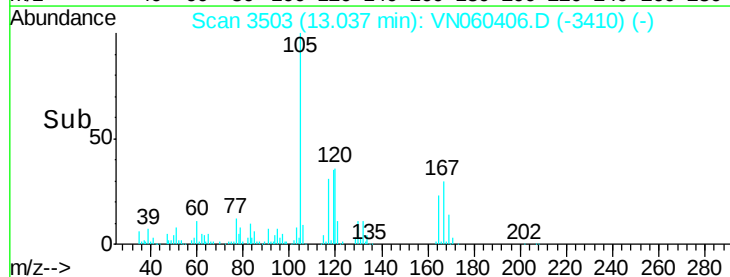
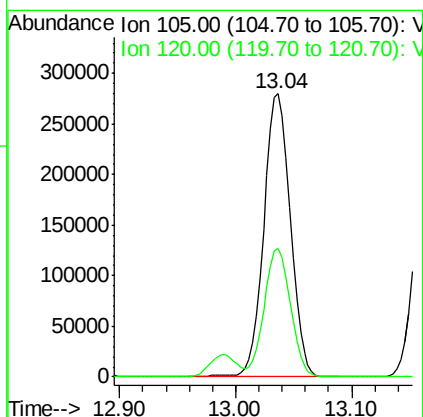
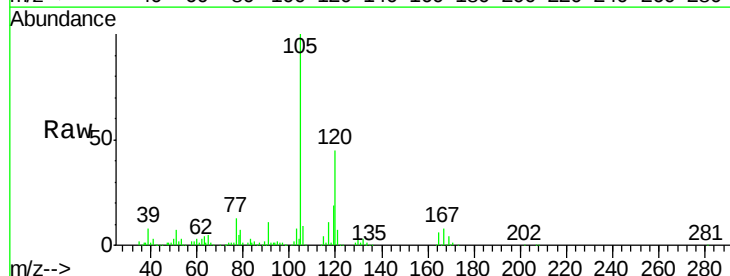
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 376158
Ion Ratio Lower Upper
119 100
91 67.7 33.1 99.2
134 25.0 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 47.711 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion:105 Resp: 445277
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.9

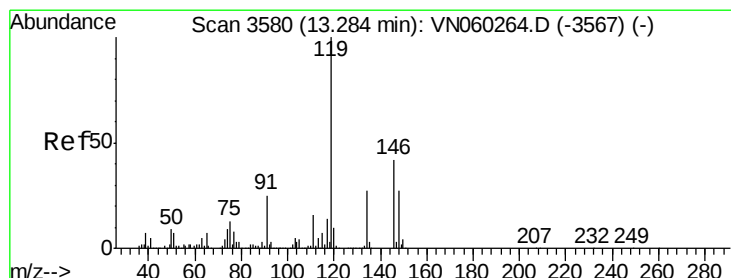
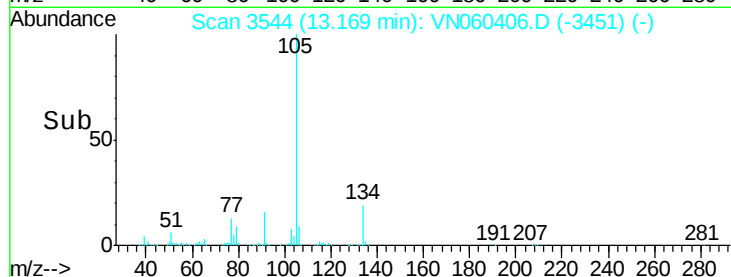
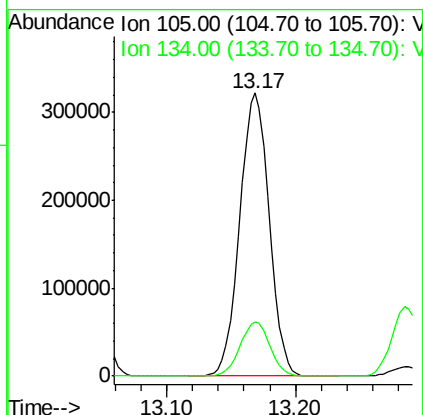
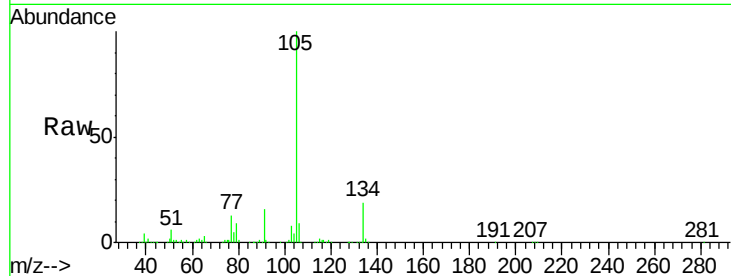




#85
 sec-Butylbenzene
 Concen: 47.609 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

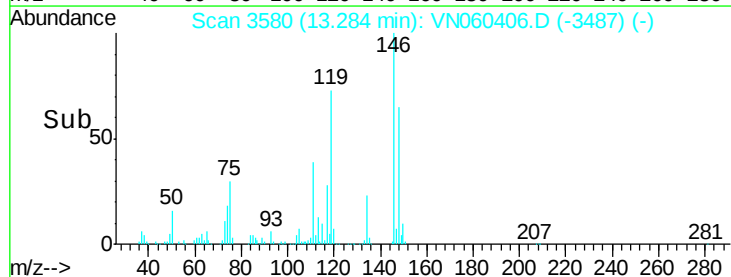
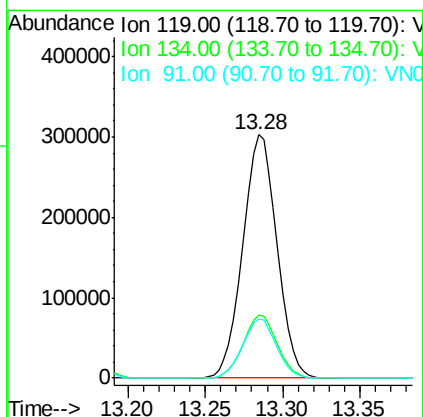
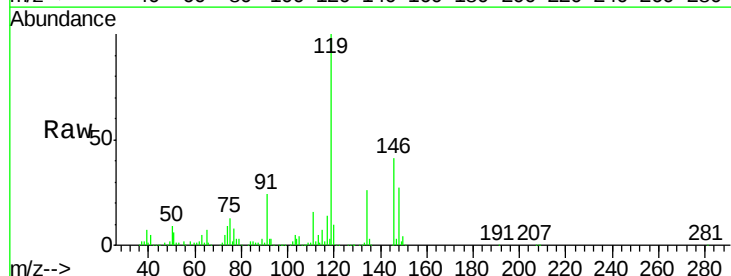
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 510376
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 46.722 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion:119 Resp: 463587
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.0 12.2 36.6

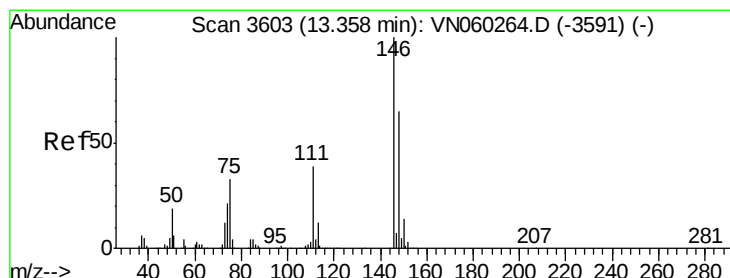
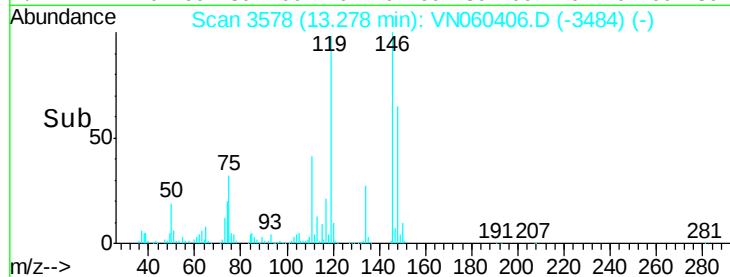
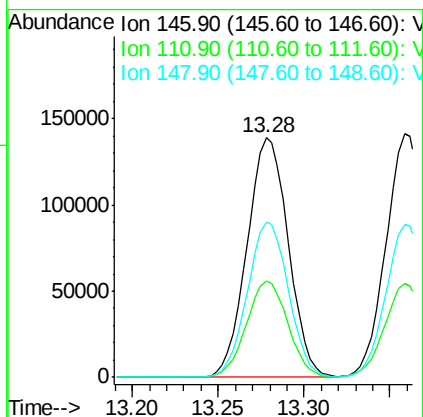
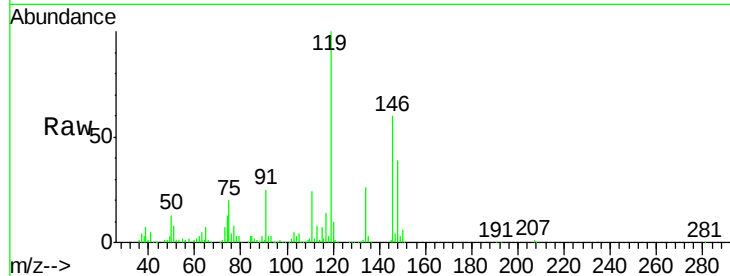




#87
 1,3-Dichlorobenzene
 Concen: 49.949 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

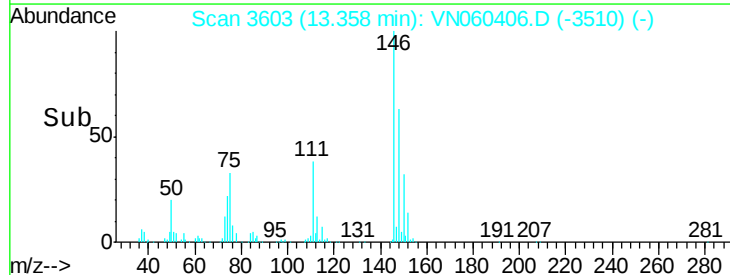
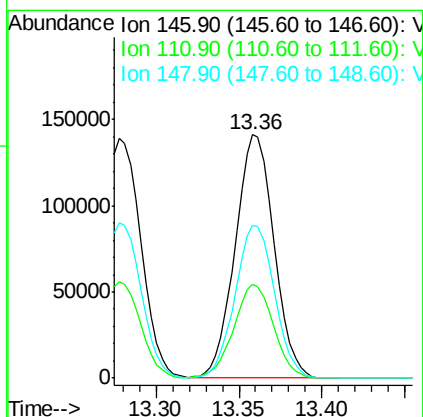
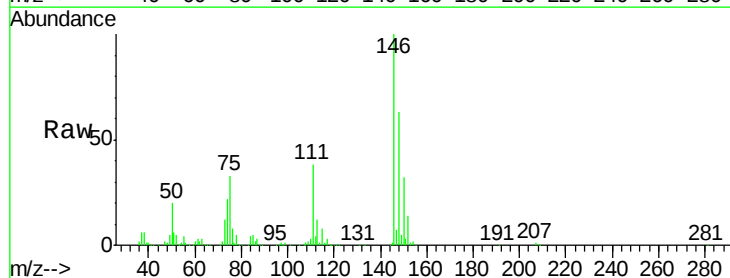
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

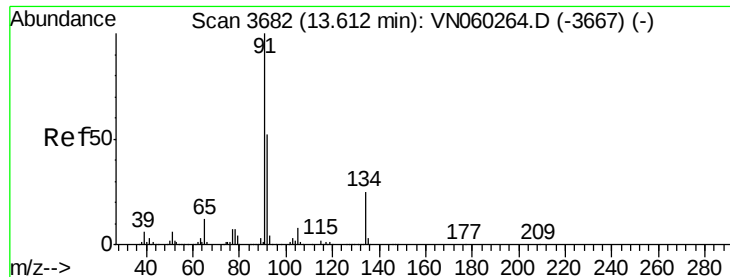
Tgt Ion:146 Resp: 231045
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 64.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.846 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion:146 Resp: 229270
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 63.9 32.3 96.9





#89

n-Butylbenzene

Concen: 46.816 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060406.D

Acq: 10 Mar 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

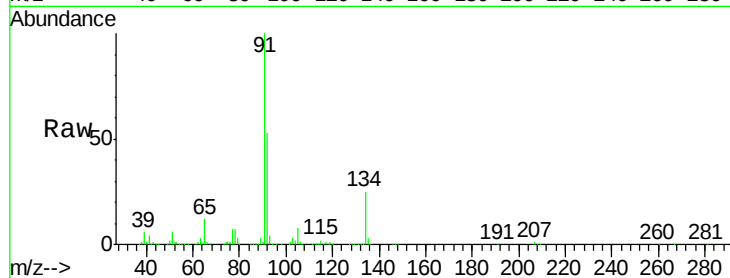
Tgt Ion: 91 Resp: 426420

Ion Ratio Lower Upper

91 100

92 52.6 26.0 78.0

134 24.7 12.7 38.1

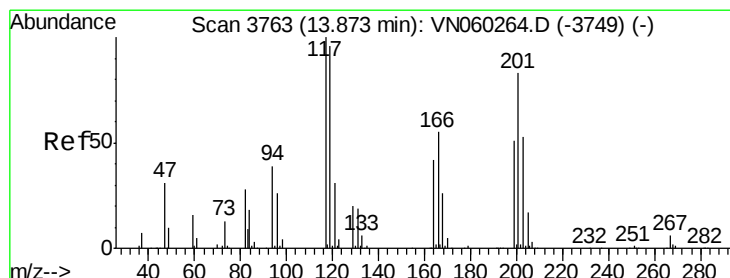
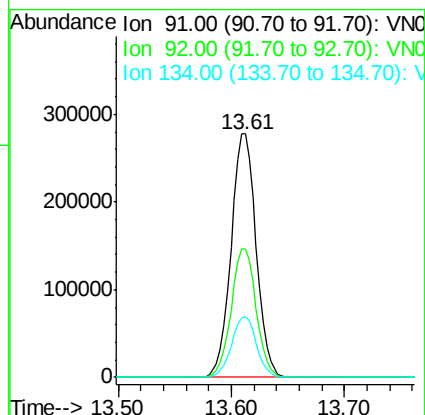
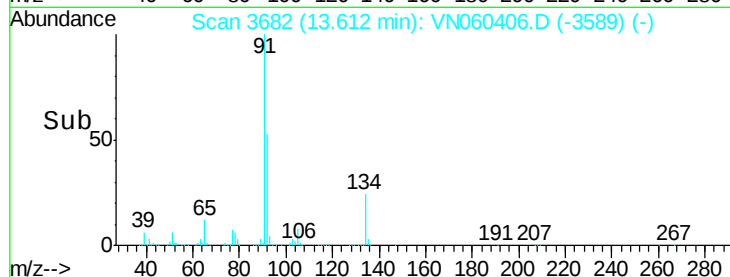


Abundance Ion 91.00 (90.70 to 91.70): VN060406.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060406.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060406.D (-3667) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 45.868 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060406.D

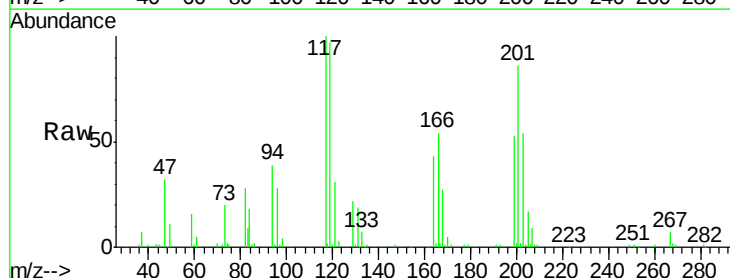
Acq: 10 Mar 2020 10:26

Tgt Ion: 117 Resp: 65875

Ion Ratio Lower Upper

117 100

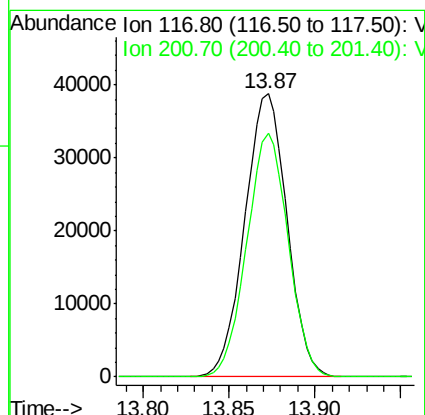
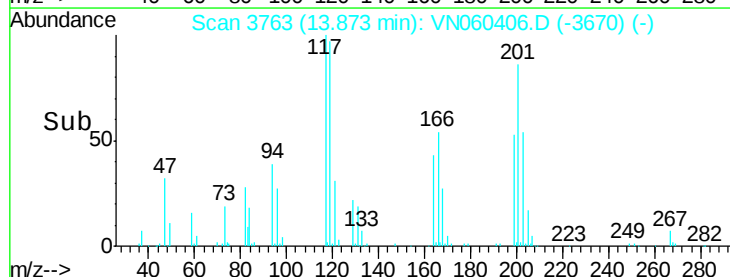
201 84.4 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060406.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060406.D (-3749) (-)

Time--> 13.80 13.85 13.90

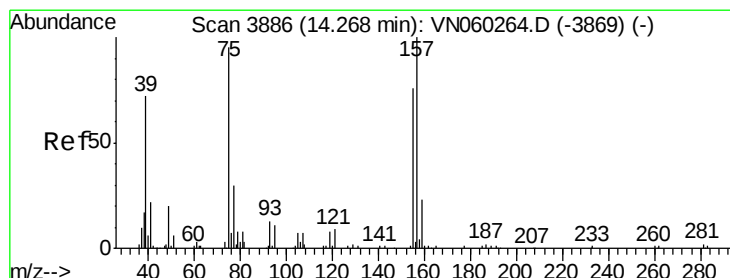
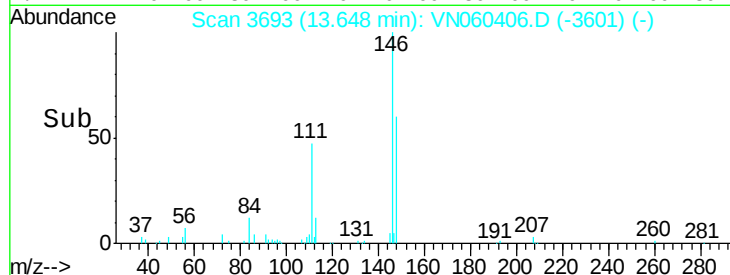
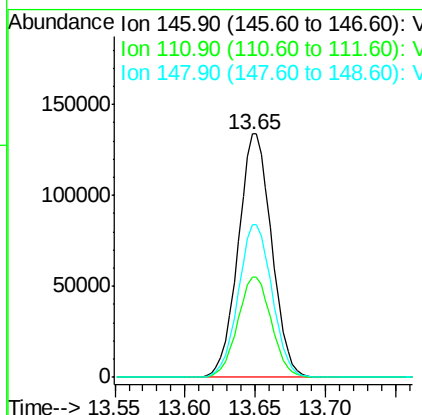
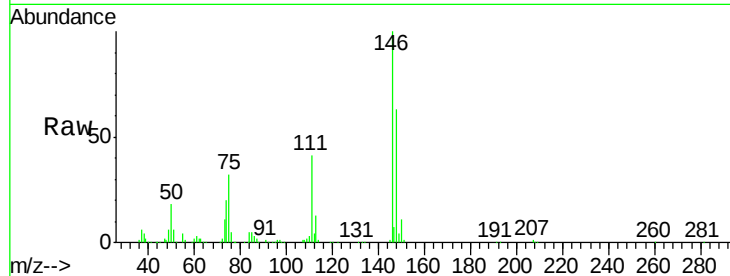




#91
 1,2-Dichlorobenzene
 Concen: 47.201 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

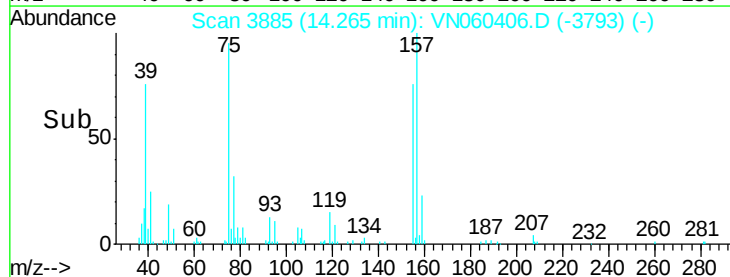
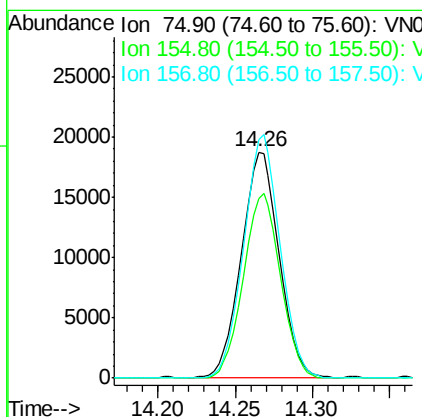
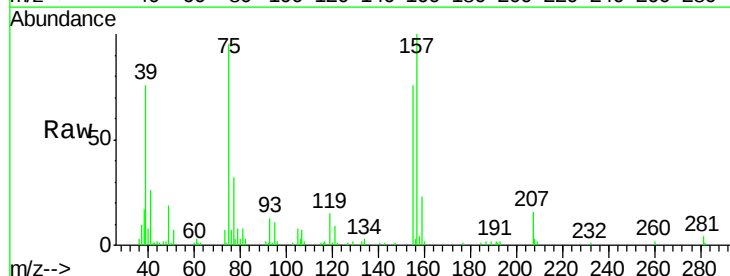
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	63.4	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.286 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	40.4	121.2
157	103.7	52.5	157.5

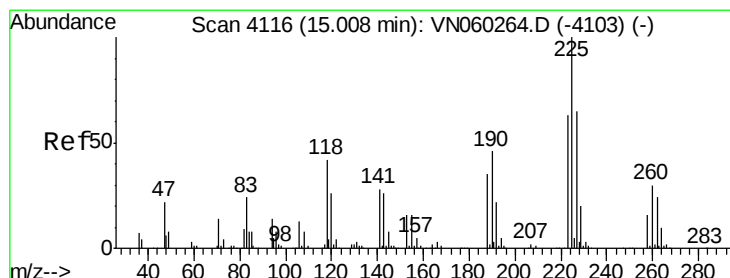
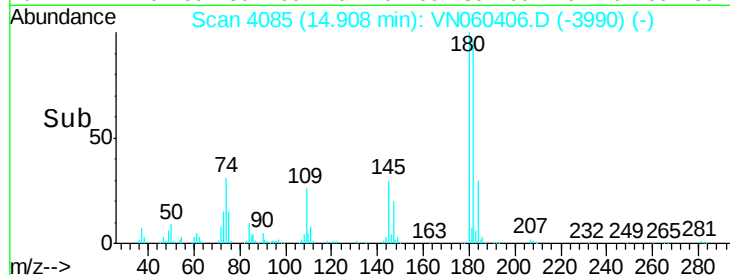
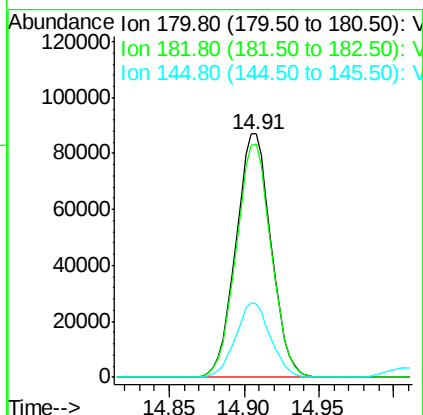
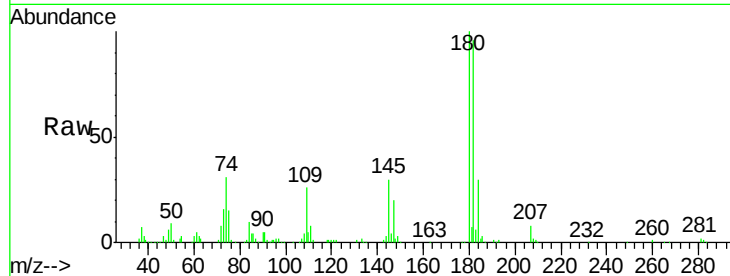




#93
 1,2,4-Trichlorobenzene
 Concen: 47.567 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

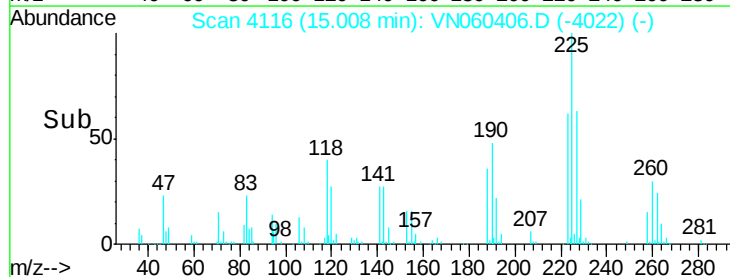
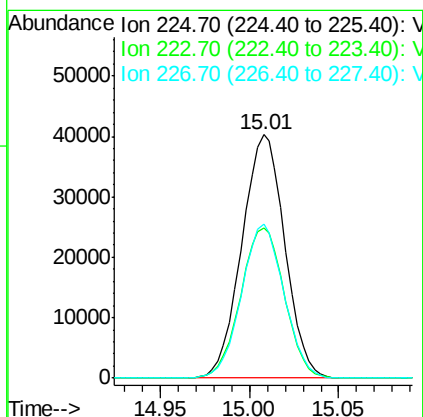
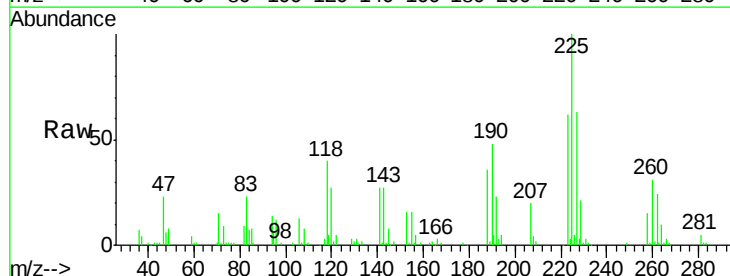
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.3
145	30.5	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 49.163 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060406.D
 Acq: 10 Mar 2020 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.9
227	62.5	32.3	96.9

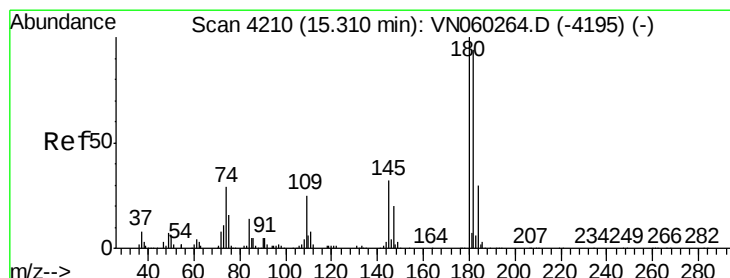
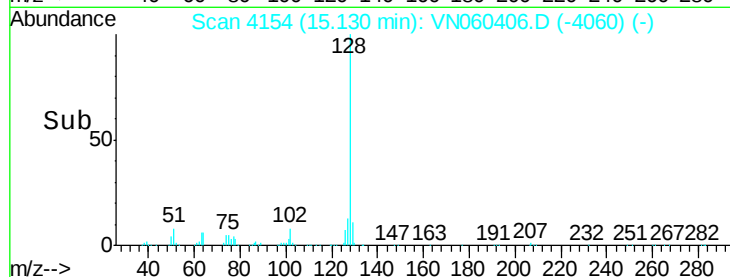
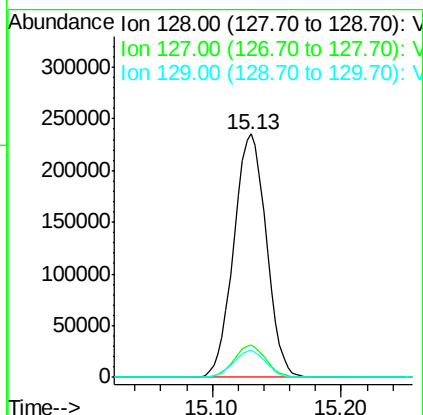
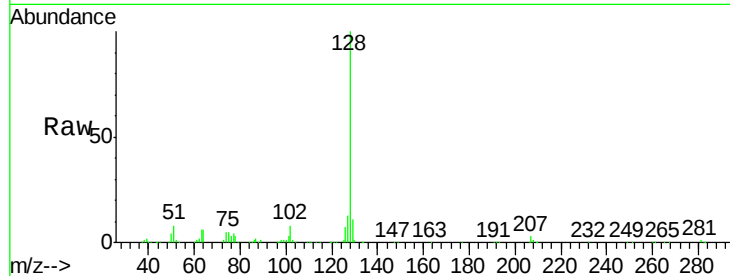




#95
Naphthalene
Concen: 46.730 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 412706
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.618 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060406.D
Acq: 10 Mar 2020 10:26

Tgt Ion:180 Resp: 134437
Ion Ratio Lower Upper
180 100
182 95.0 47.3 142.0
145 32.3 16.2 48.5

