

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060716.D
 Acq On : 26 Mar 2020 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 27 05:33:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145786	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	129337	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	7.56	113	97177	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.08	98	393401	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	144247	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	92089	48.846	ug/l	99
3) Chloromethane	2.04	50	159688	45.352	ug/l	98
4) Vinyl Chloride	2.17	62	124528	45.216	ug/l	99
5) Bromomethane	2.55	94	58966	49.598	ug/l	99
6) Chloroethane	2.69	64	78418	49.429	ug/l	98
7) Trichlorofluoromethane	3.00	101	165575	48.805	ug/l	98
8) Diethyl Ether	3.38	74	68183	50.029	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98349	50.029	ug/l	100
10) Methyl Iodide	3.93	142	87687	50.128	ug/l	99
11) Tert butyl alcohol	4.72	59	85215	216.625	ug/l	99
12) 1,1-Dichloroethene	3.72	96	102167	48.430	ug/l	99
13) Acrolein	3.58	56	119263	273.554	ug/l	100
14) Allyl chloride	4.30	41	181955	49.041	ug/l	97
15) Acrylonitrile	4.94	53	283978	245.495	ug/l	99
16) Acetone	3.78	43	225278	237.770	ug/l	98
17) Carbon Disulfide	4.03	76	296739	46.251	ug/l	100
18) Methyl Acetate	4.29	43	131098	49.158	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	347908	47.968	ug/l	96
20) Methylene Chloride	4.52	84	114801	49.256	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	107895	47.989	ug/l	96
22) Diisopropyl ether	5.91	45	402571	51.357	ug/l	98
23) Vinyl Acetate	5.86	43	1641926	256.724	ug/l	99
24) 1,1-Dichloroethane	5.82	63	215168	50.352	ug/l	99
25) 2-Butanone	6.80	43	369033	240.702	ug/l	99
26) 2,2-Dichloropropane	6.80	77	179451	53.374	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124022	48.542	ug/l	97
28) Bromochloromethane	7.17	49	106044	51.868	ug/l	98
29) Tetrahydrofuran	7.18	42	252982	233.213	ug/l	98
30) Chloroform	7.35	83	202770	49.497	ug/l	100
31) Cyclohexane	7.63	56	202258	46.949	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	174328	49.363	ug/l	99
36) 1,1-Dichloropropene	7.77	75	156930	50.126	ug/l	99
37) Ethyl Acetate	6.89	43	158515	46.859	ug/l	99
38) Carbon Tetrachloride	7.75	117	141931	50.582	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	189142	50.838	ug/l	97
40) Benzene	8.02	78	474679	50.226	ug/l	100
41) Methacrylonitrile	7.18	41	229261	158.801	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	162837	50.416	ug/l	99
43) Isopropyl Acetate	8.14	43	274079	49.127	ug/l	100
44) Trichloroethene	8.82	130	119519	50.166	ug/l	98
45) 1,2-Dichloropropane	9.10	63	128985	51.722	ug/l	97
46) Dibromomethane	9.19	93	76606	50.812	ug/l	99
47) Bromodichloromethane	9.39	83	161145	51.436	ug/l	98
48) Methyl methacrylate	9.18	41	122431	49.290	ug/l	99
49) 1,4-Dioxane	9.18	88	26819	908.376	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	789663	248.739	ug/l	99
52) Toluene	10.14	92	286925	50.270	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	185785	51.626	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	201539	51.049	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	110368	50.262	ug/l	100
56) Ethyl methacrylate	10.42	69	176232	51.472	ug/l	99
57) 1,3-Dichloropropane	10.70	76	192689	50.568	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	399441	234.733	ug/l	99
59) 2-Hexanone	10.74	43	567331	248.081	ug/l	100
60) Dibromochloromethane	10.89	129	115854	51.078	ug/l	99
61) 1,2-Dibromoethane	10.99	107	111791	50.629	ug/l	100
64) Tetrachloroethene	10.62	164	113555	48.653	ug/l	97
65) Chlorobenzene	11.43	112	293993	50.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	107551	50.521	ug/l	98
67) Ethyl Benzene	11.50	91	554555	50.717	ug/l	99
68) m/p-Xylenes	11.62	106	406442	100.029	ug/l	99
69) o-Xylene	11.94	106	194868	50.239	ug/l	98
70) Styrene	11.96	104	327206	51.579	ug/l	99
71) Bromoform	12.12	173	82590	46.790	ug/l #	100
73) Isopropylbenzene	12.25	105	528558	48.311	ug/l	99
74) N-amyl acetate	12.06	43	241978	47.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	157908	47.727	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	213722	67.940	ug/l #	100
77) Bromobenzene	12.52	156	124989	47.410	ug/l	99
78) n-propylbenzene	12.59	91	624253	48.295	ug/l	99
79) 2-Chlorotoluene	12.67	91	364994	47.260	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	445903	48.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58246	47.554	ug/l	99
82) 4-Chlorotoluene	12.77	91	379163	48.204	ug/l	100
83) tert-Butylbenzene	12.99	119	374186	48.617	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	447323	48.700	ug/l	100
85) sec-Butylbenzene	13.17	105	513186	49.585	ug/l	100
86) p-Isopropyltoluene	13.28	119	462341	49.678	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	225527	48.504	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	226072	48.394	ug/l	100
89) n-Butylbenzene	13.61	91	427719	50.903	ug/l	100
90) Hexachloroethane	13.87	117	66067	48.837	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	218735	49.198	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31271	45.099	ug/l	97

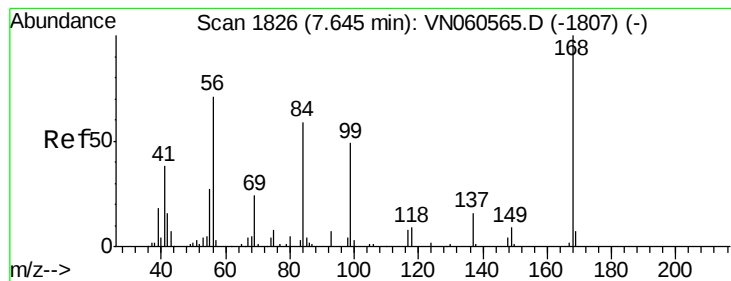
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	136785	50.099	ug/l	99
94) Hexachlorobutadiene	15.01	225	66998	50.057	ug/l	99
95) Naphthalene	15.13	128	390052	47.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130594	48.561	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

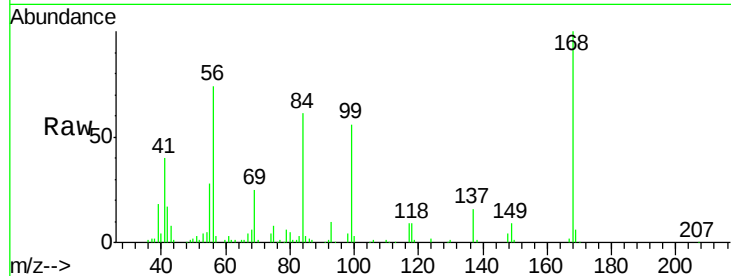
VSTDCCC050

Tgt Ion:168 Resp: 194845

Ion Ratio Lower Upper

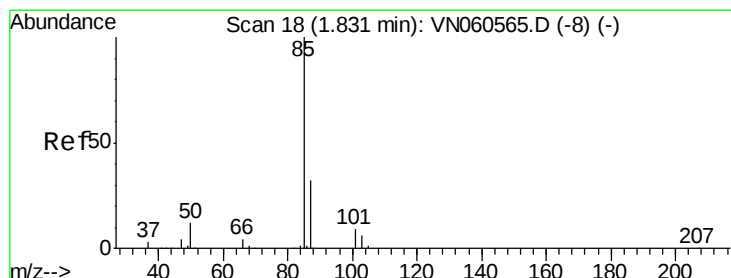
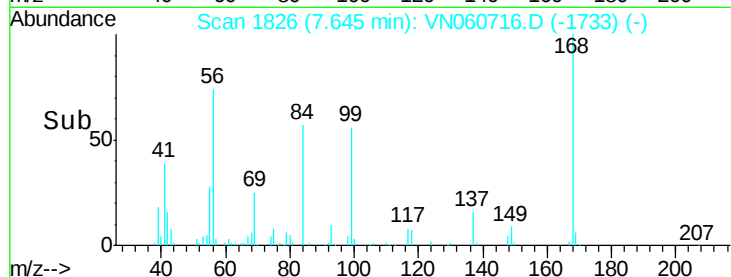
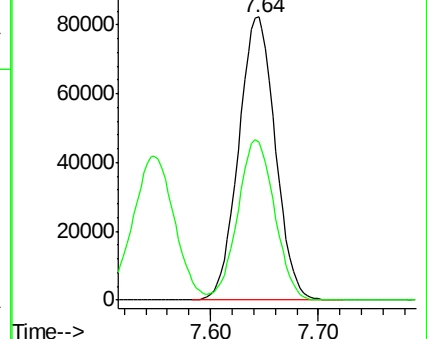
168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.846 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060716.D

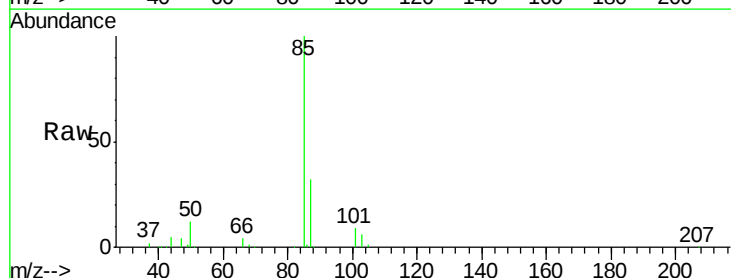
Acq: 26 Mar 2020 15:49

Tgt Ion: 85 Resp: 92089

Ion Ratio Lower Upper

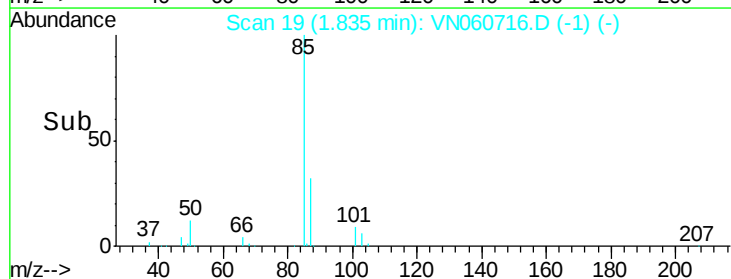
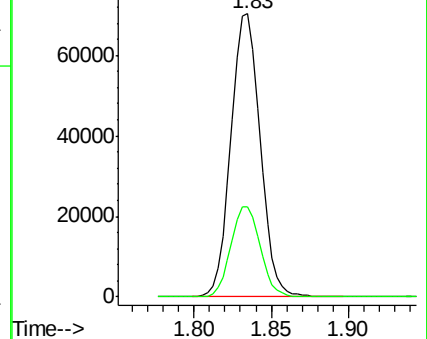
85 100

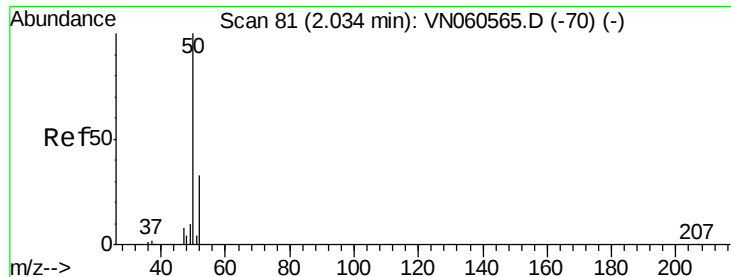
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.352 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

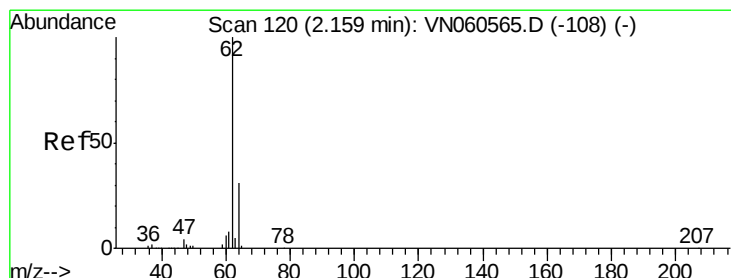
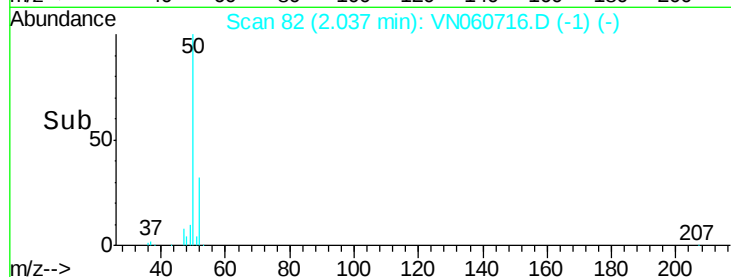
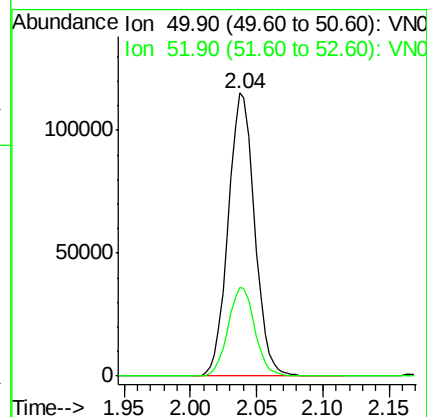
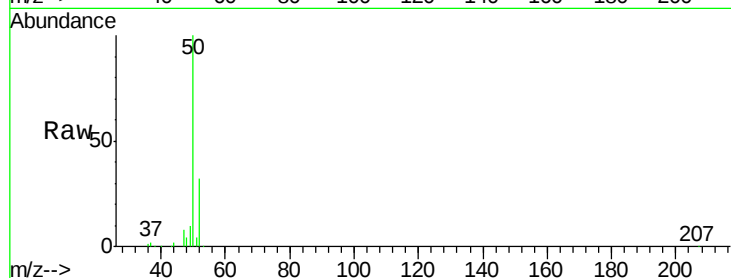
VSTDCCC050

Tgt Ion: 50 Resp: 159688

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 45.216 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060716.D

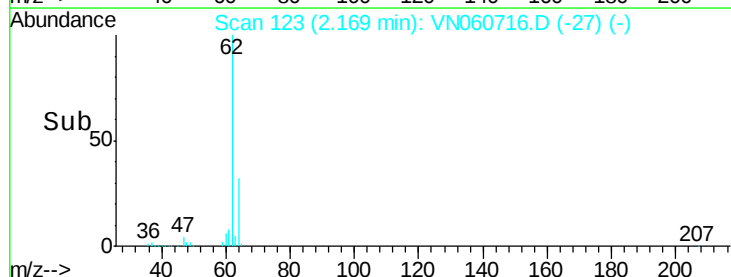
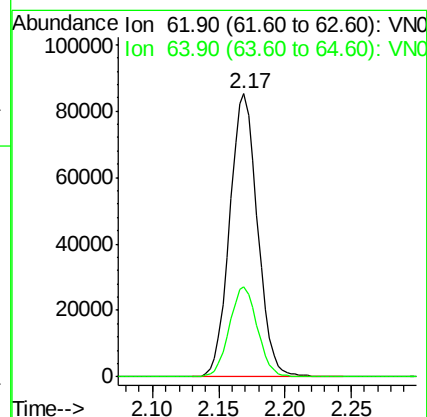
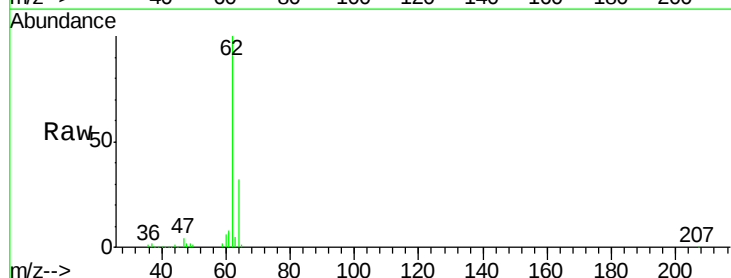
Acq: 26 Mar 2020 15:49

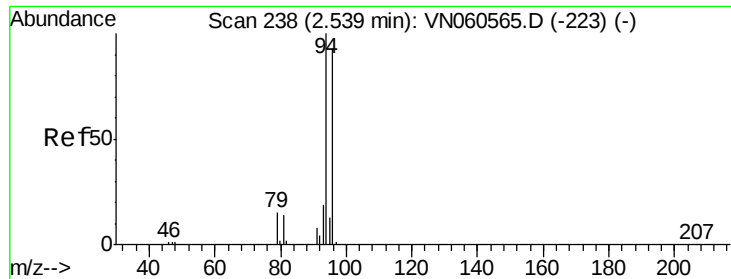
Tgt Ion: 62 Resp: 124528

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 49.598 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

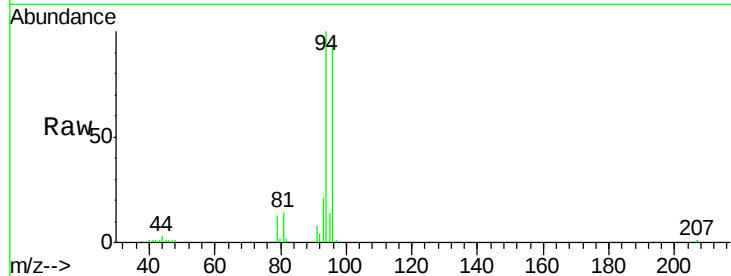
VSTDCCC050

Tgt Ion: 94 Resp: 58966

Ion Ratio Lower Upper

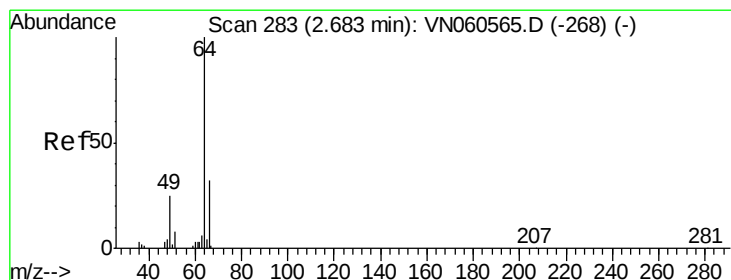
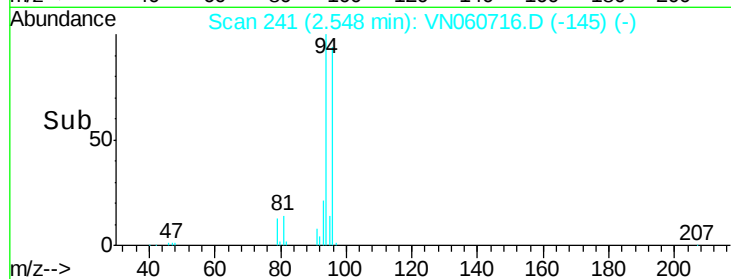
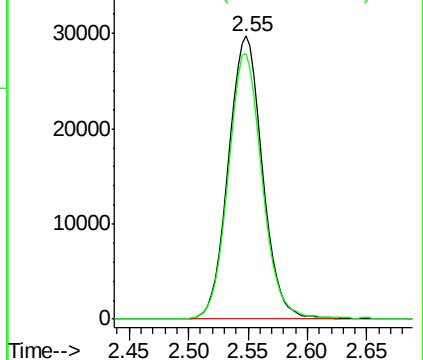
94 100

96 93.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.429 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060716.D

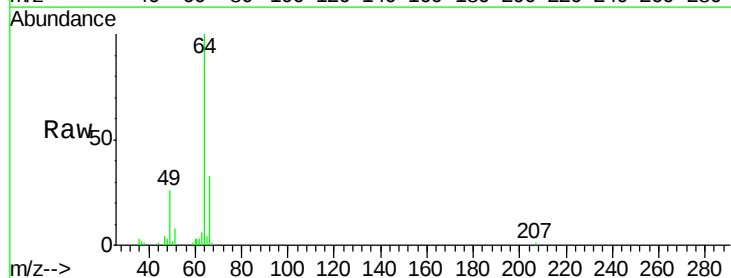
Acq: 26 Mar 2020 15:49

Tgt Ion: 64 Resp: 78418

Ion Ratio Lower Upper

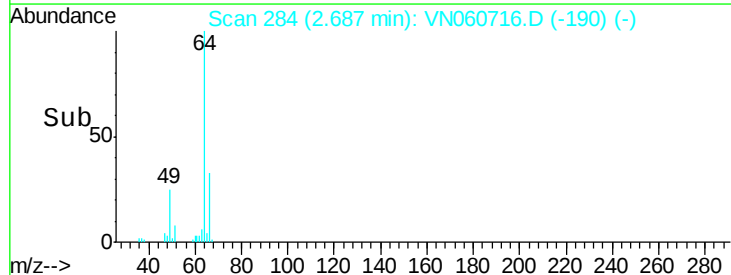
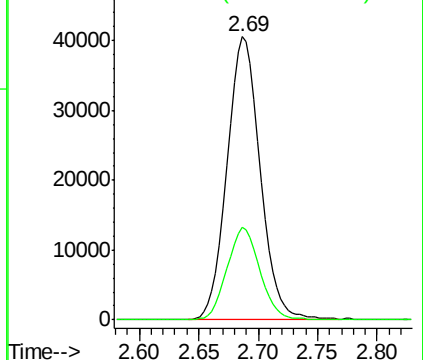
64 100

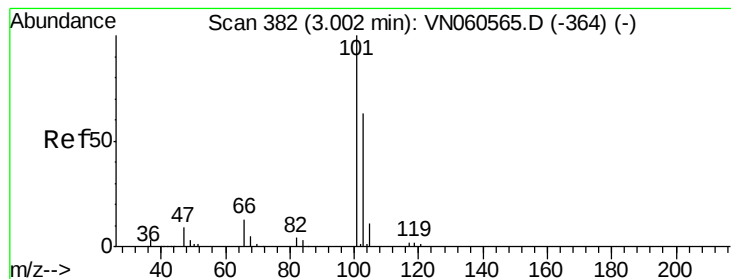
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



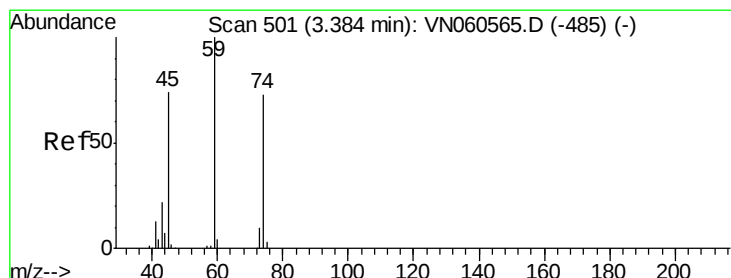
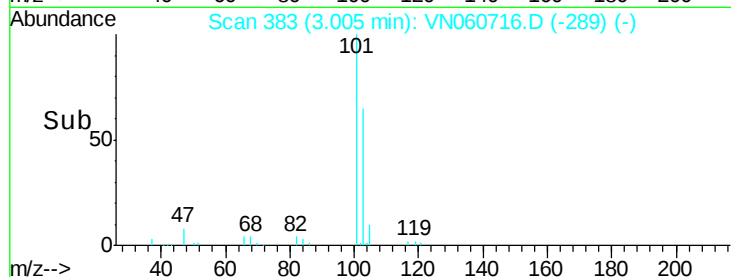
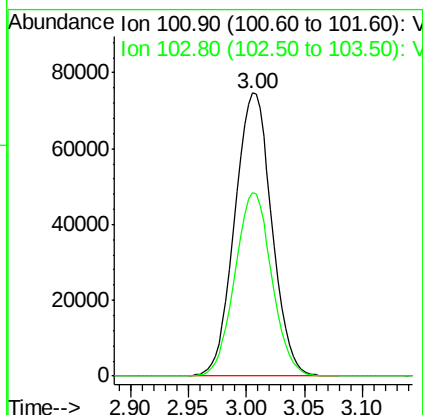
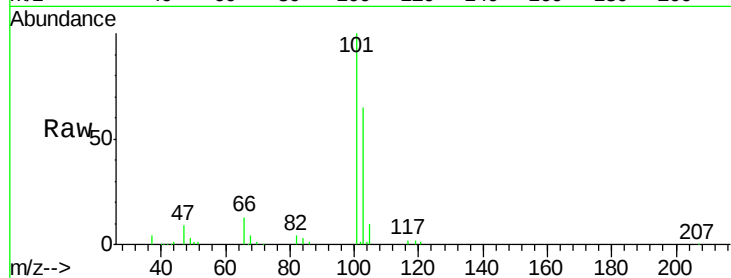


#7

Trichlorofluoromethane
 Concen: 48.805 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
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 VSTDCCC050

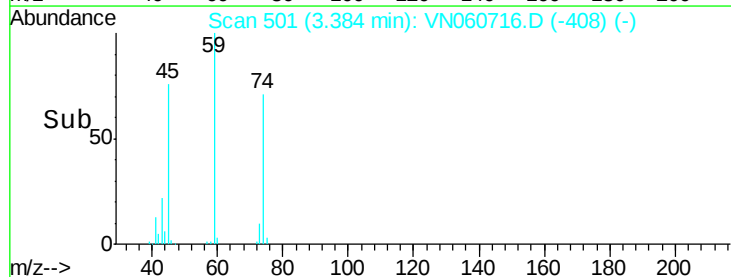
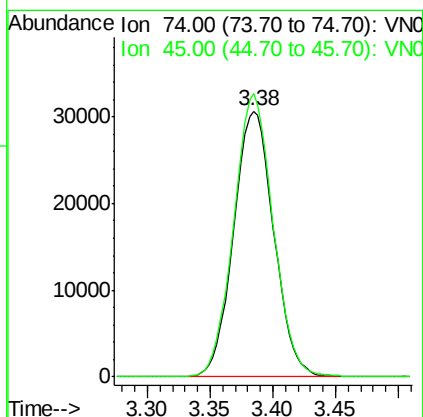
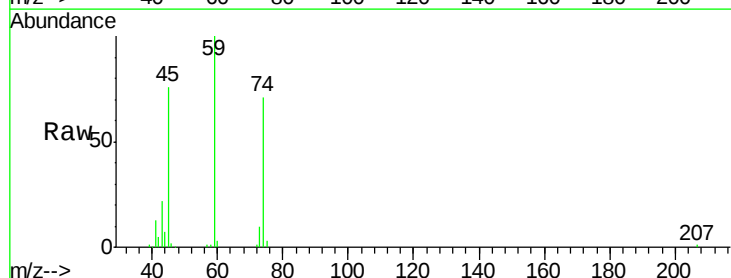
Tgt Ion: 101 Resp: 165575
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.6 76.0

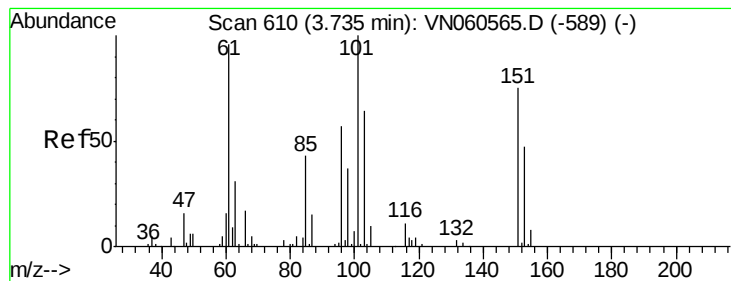


#8

Diethyl Ether
 Concen: 50.029 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 74 Resp: 68183
 Ion Ratio Lower Upper
 74 100
 45 104.9 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.029 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

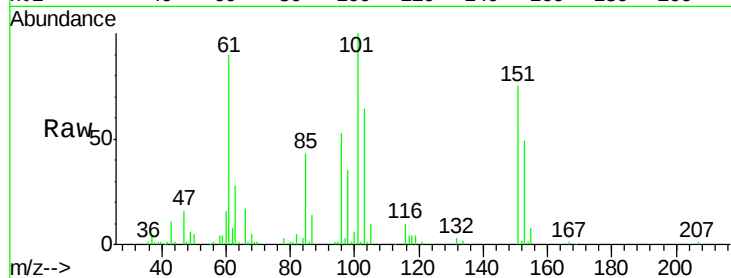
Tgt Ion:101 Resp: 98349

Ion Ratio Lower Upper

101 100

85 44.2 35.6 53.4

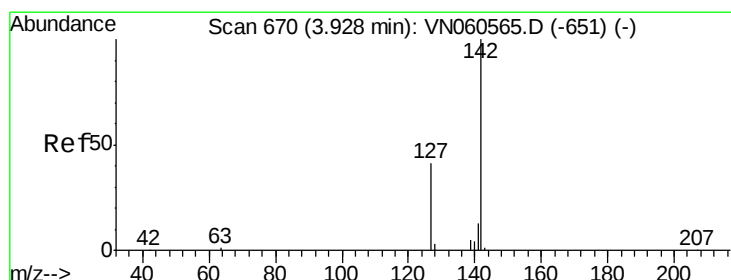
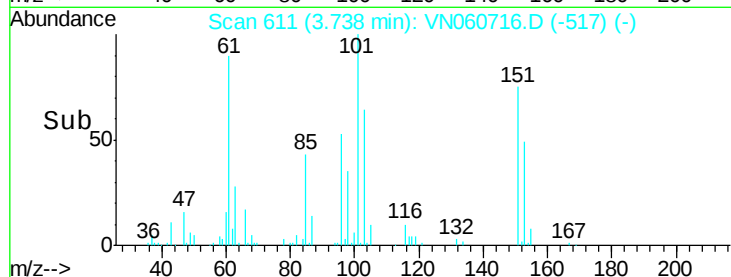
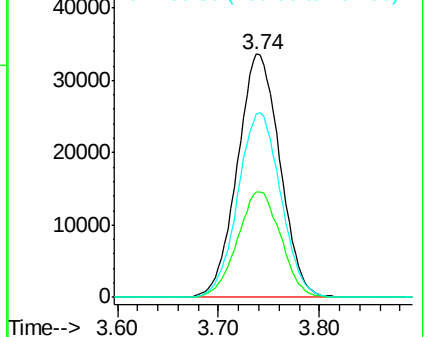
151 76.4 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.128 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

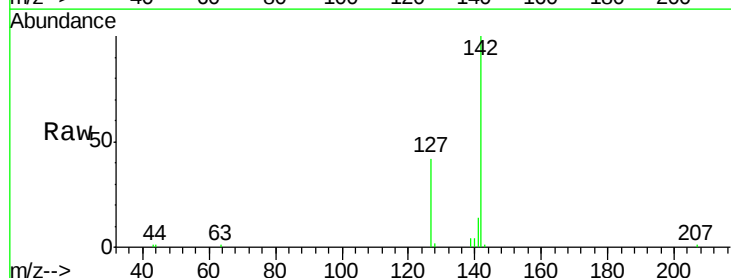
Tgt Ion:142 Resp: 87687

Ion Ratio Lower Upper

142 100

127 41.4 33.5 50.3

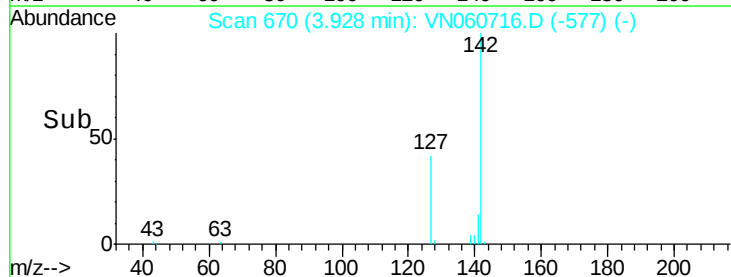
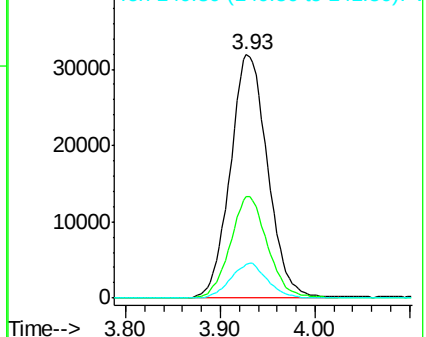
141 13.9 11.0 16.6

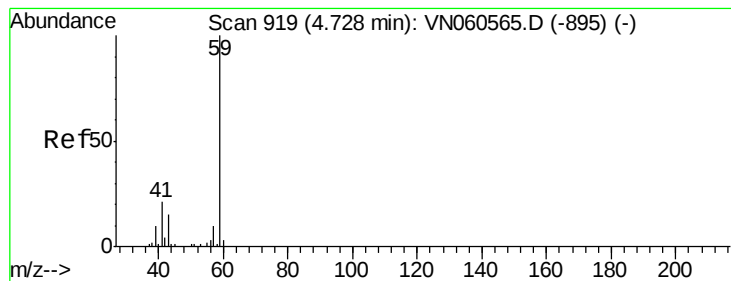


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



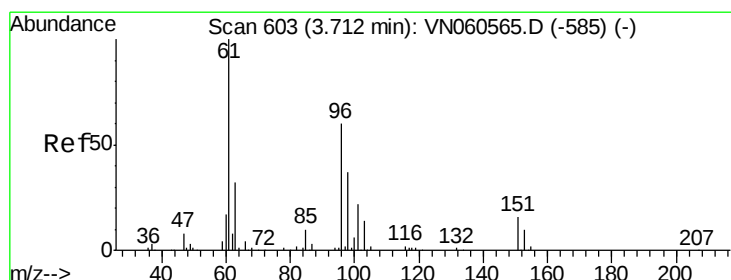
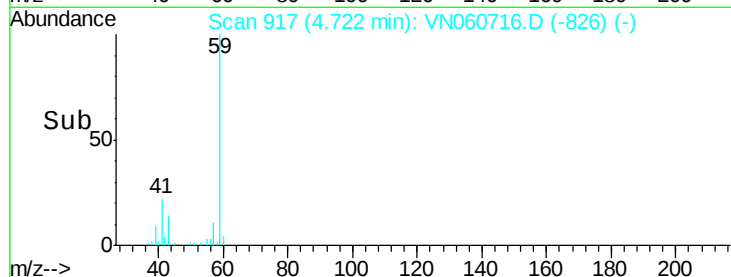
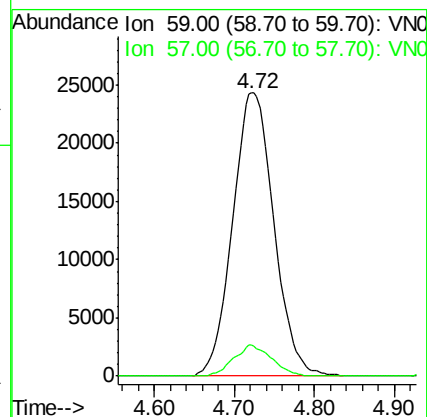
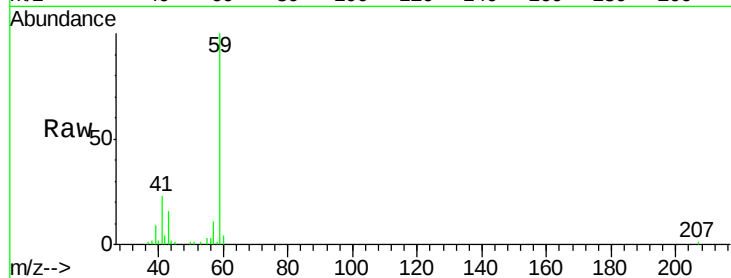


#11

Tert butyl alcohol
 Concen: 216.625 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

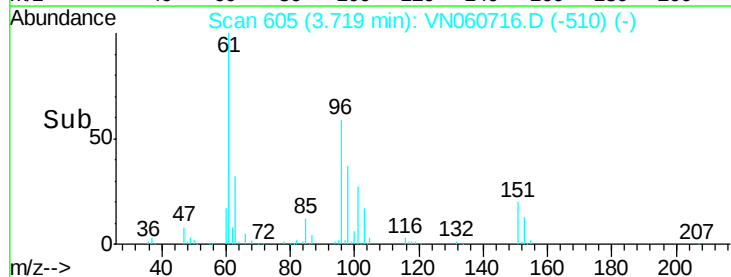
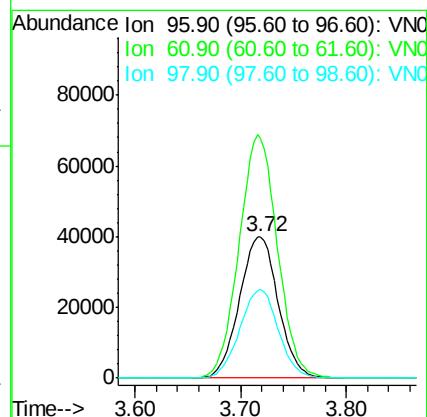
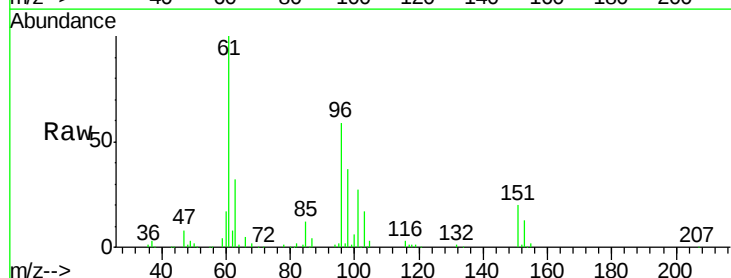
Tgt Ion: 59 Resp: 85215
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4



#12

1,1-Dichloroethene
 Concen: 48.430 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 96 Resp: 102167
 Ion Ratio Lower Upper
 96 100
 61 169.4 134.1 201.1
 98 62.2 49.9 74.9





#13

Acrolein

Concen: 273.554 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

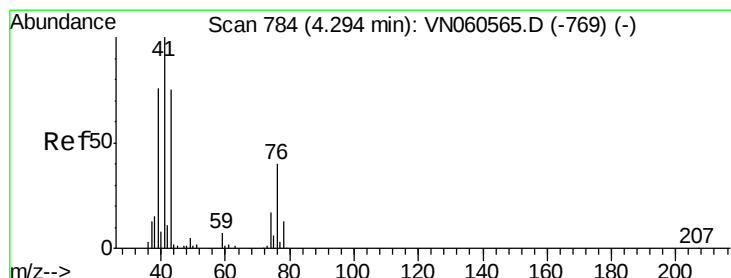
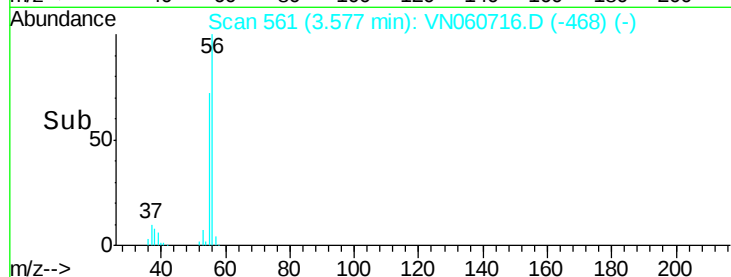
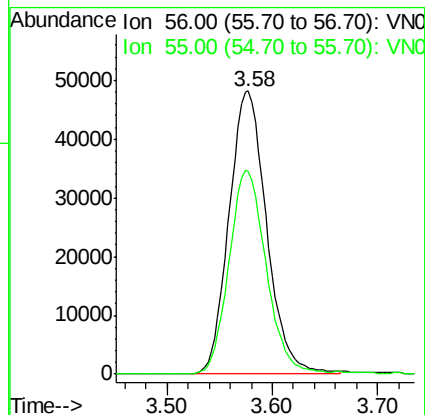
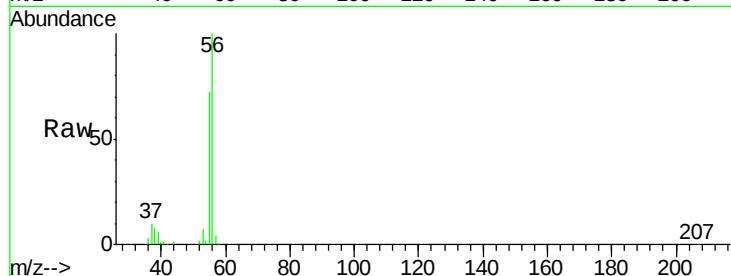
VSTDCCC050

Tgt Ion: 56 Resp: 119263

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 49.041 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

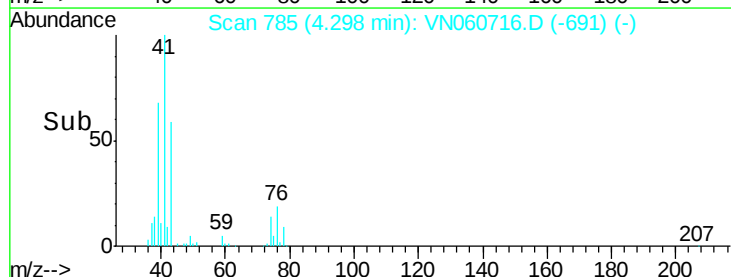
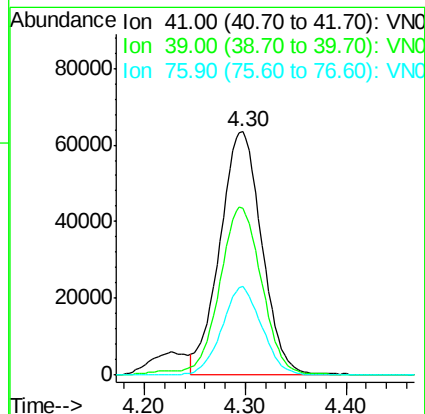
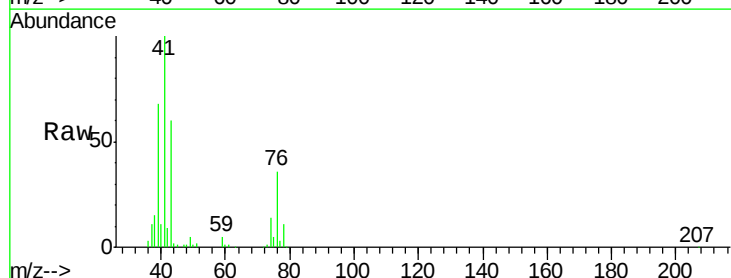
Tgt Ion: 41 Resp: 181955

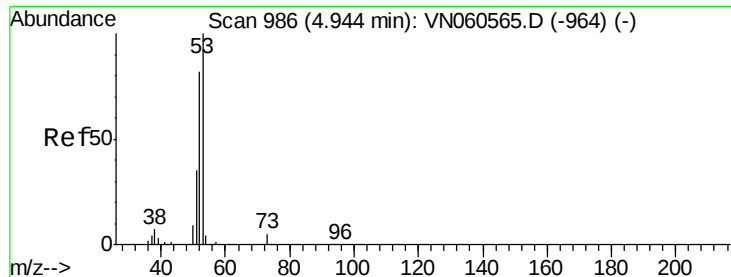
Ion Ratio Lower Upper

41 100

39 69.8 57.8 86.8

76 34.8 28.6 43.0





#15

Acrylonitrile

Concen: 245.495 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

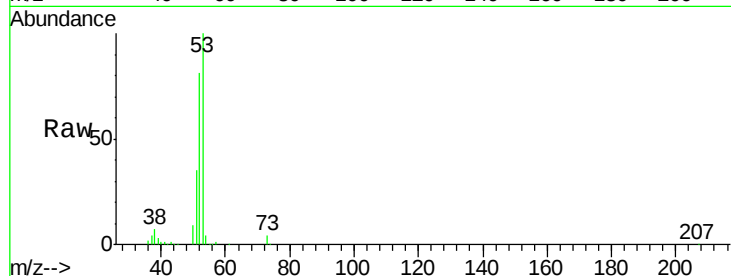
Tgt Ion: 53 Resp: 283978

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.4

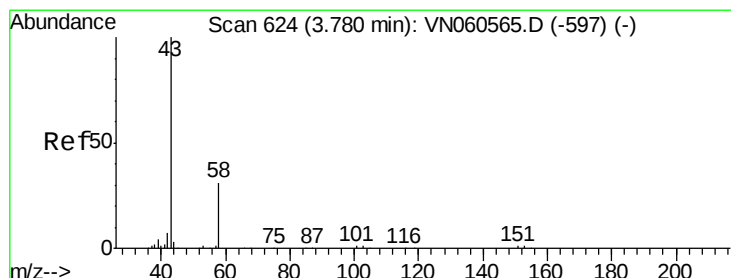
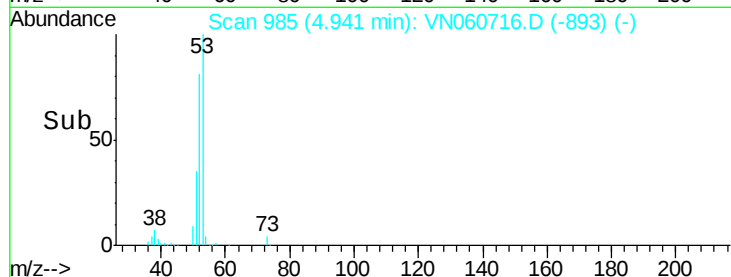
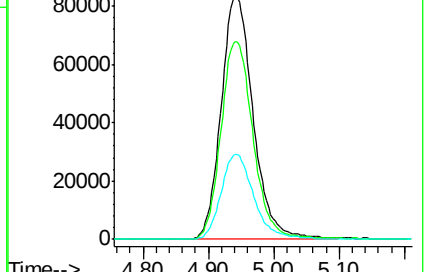
51 35.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060716.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060716.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060716.D (-964) (-)



#16

Acetone

Concen: 237.770 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060716.D

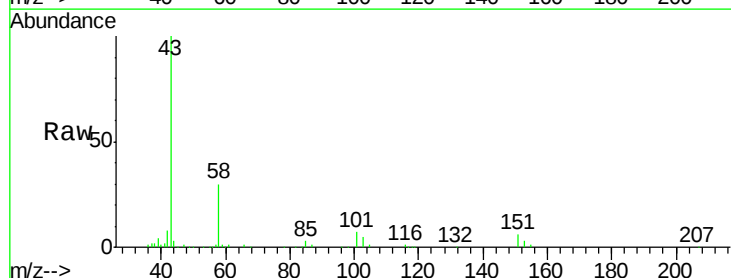
Acq: 26 Mar 2020 15:49

Tgt Ion: 43 Resp: 225278

Ion Ratio Lower Upper

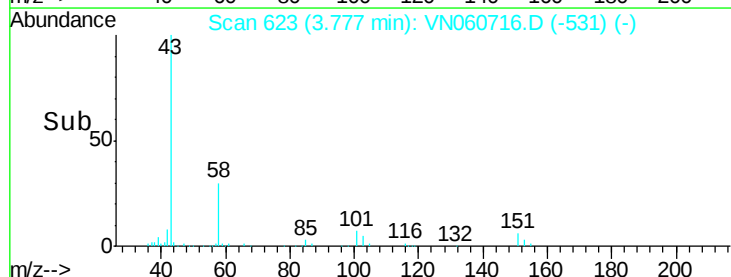
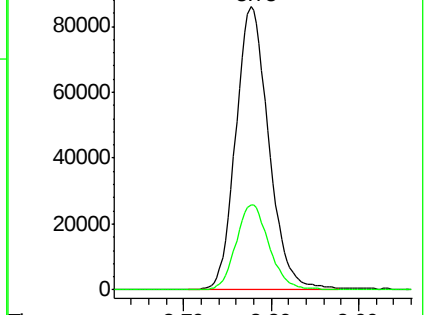
43 100

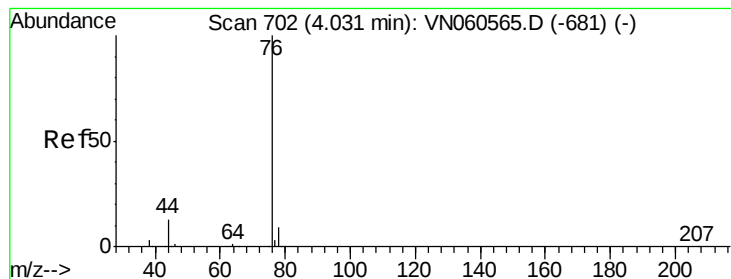
58 30.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060716.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060716.D (-597) (-)





#17

Carbon Disulfide

Concen: 46.251 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

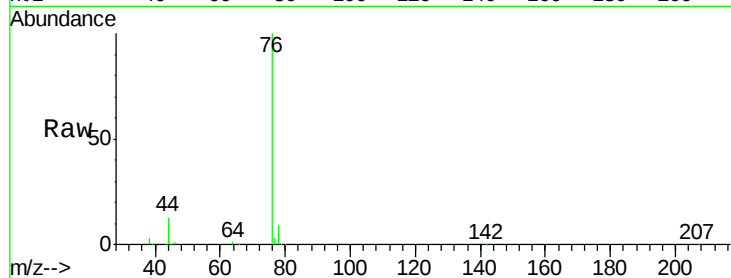
VSTDCCC050

Tgt Ion: 76 Resp: 296739

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060716.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060716.D (-609) (-)

4.03

120000

100000

80000

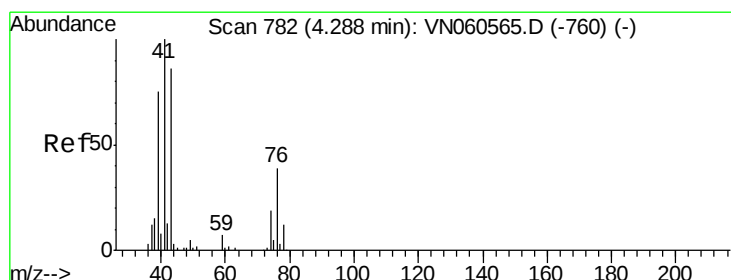
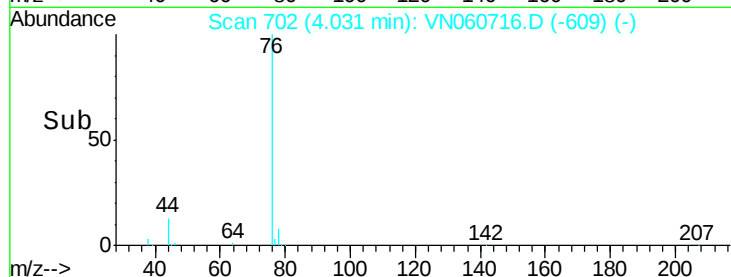
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.158 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060716.D

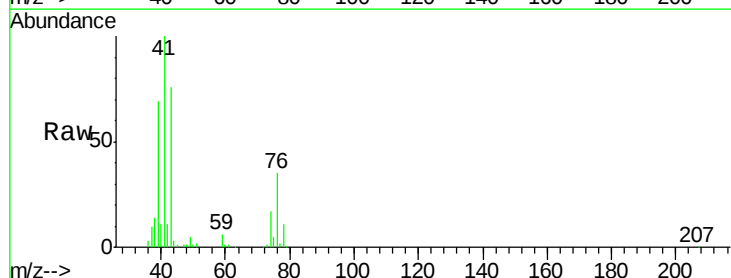
Acq: 26 Mar 2020 15:49

Tgt Ion: 43 Resp: 131098

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060716.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060716.D (-689) (-)

4.29

50000

40000

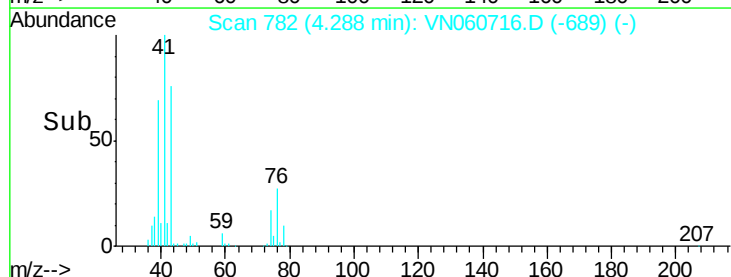
30000

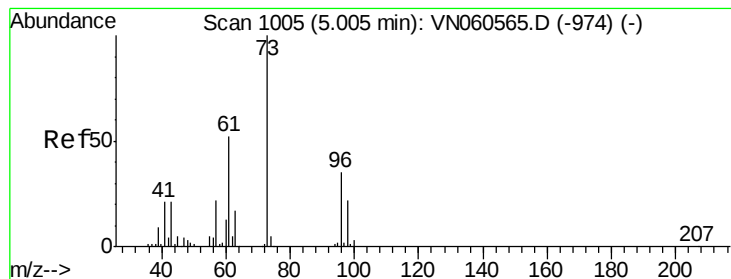
20000

10000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 47.968 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

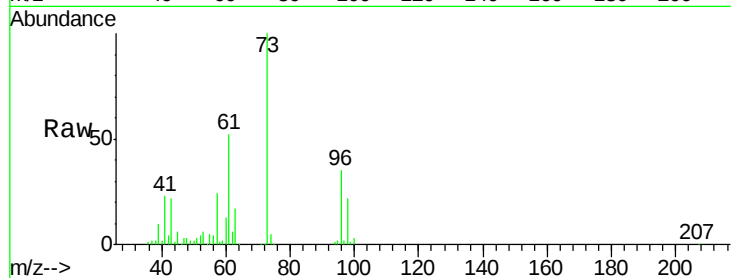
VSTDCCC050

Tgt Ion: 73 Resp: 347908

Ion Ratio Lower Upper

73 100

57 23.6 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VN060716.D (-912) (-)

Ion 57.00 (56.70 to 57.70): VN060716.D (-912) (-)

5.00

100000

80000

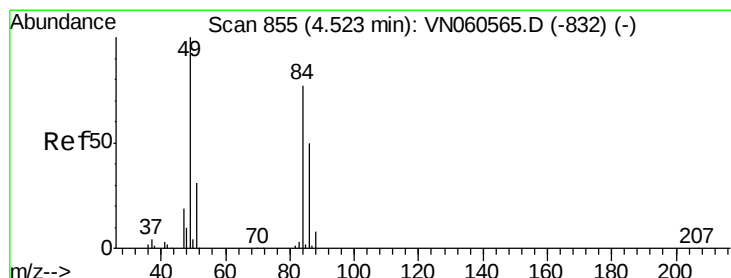
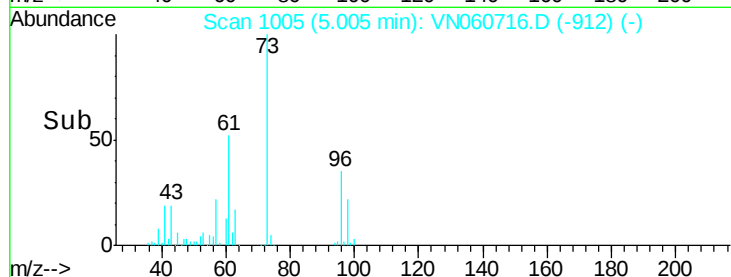
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 49.256 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion: 84 Resp: 114801

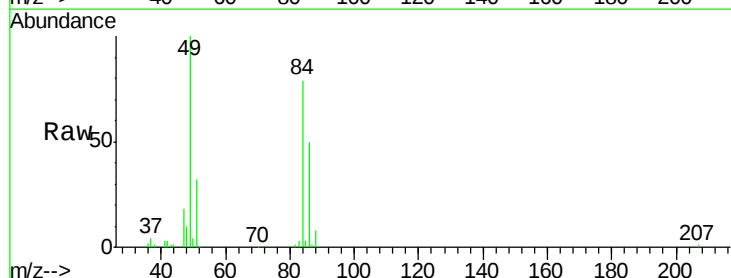
Ion Ratio Lower Upper

84 100

49 126.7 103.3 154.9

51 40.3 31.6 47.4

86 63.4 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VN060716.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060716.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060716.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060716.D (-762) (-)

4.52

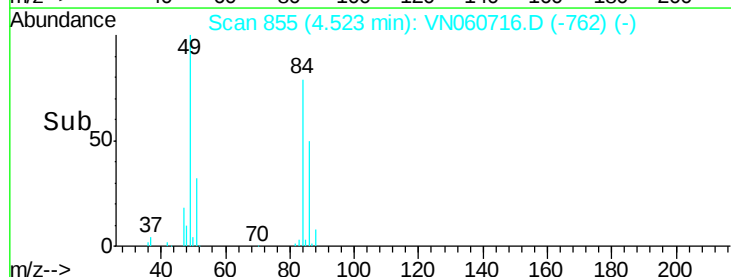
60000

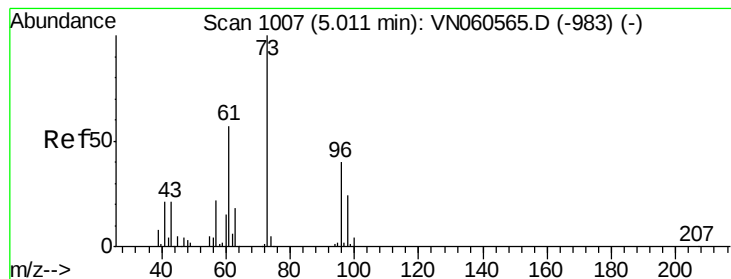
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.989 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

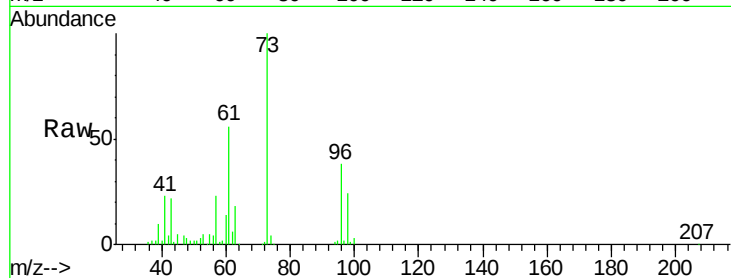
Tgt Ion: 96 Resp: 107895

Ion Ratio Lower Upper

96 100

61 148.8 114.4 171.6

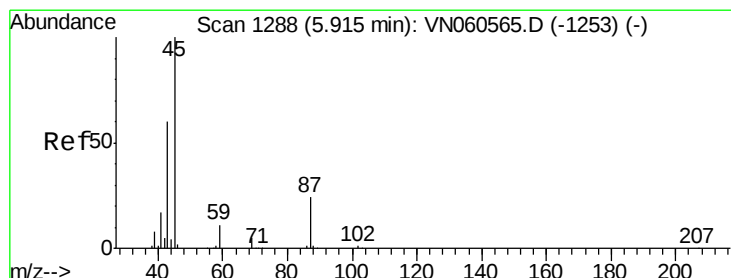
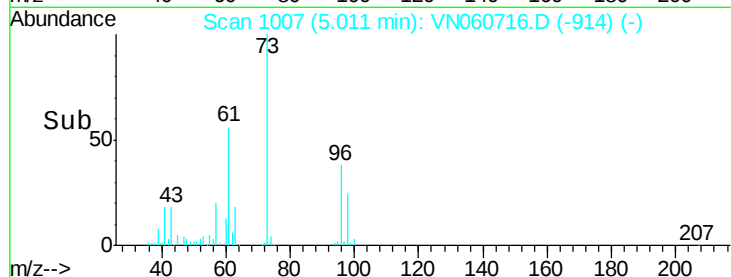
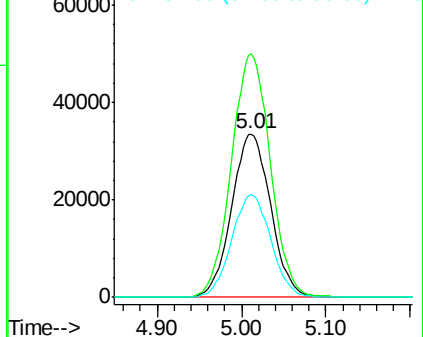
98 62.7 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060716.D (-1007) (-)

Ion 60.90 (60.60 to 61.60): VN060716.D (-1007) (-)

Ion 97.90 (97.60 to 98.60): VN060716.D (-1007) (-)



#22

Diisopropyl ether

Concen: 51.357 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion: 45 Resp: 402571

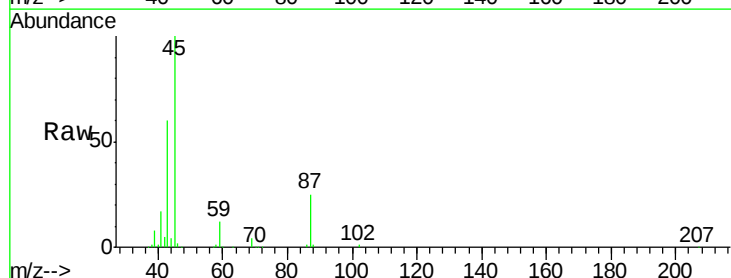
Ion Ratio Lower Upper

45 100

43 59.6 49.8 74.8

87 24.8 20.1 30.1

59 11.8 9.2 13.8

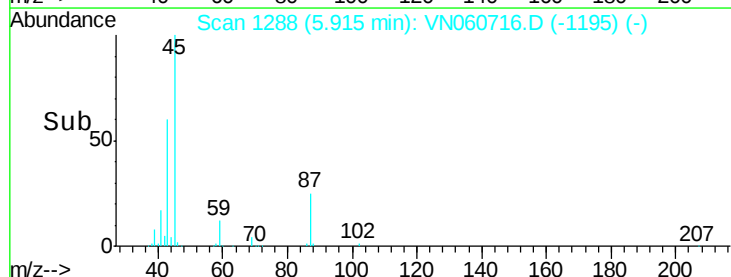
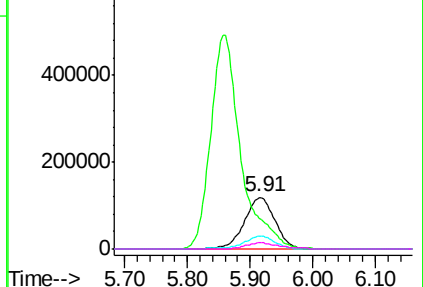


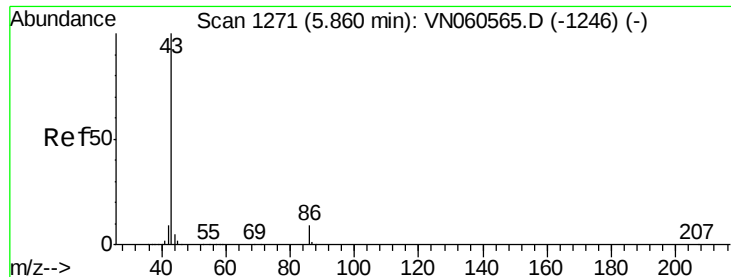
Abundance Ion 45.00 (44.70 to 45.70): VN060716.D (-1288) (-)

Ion 43.00 (42.70 to 43.70): VN060716.D (-1288) (-)

Ion 87.00 (86.70 to 87.70): VN060716.D (-1288) (-)

Ion 59.00 (58.70 to 59.70): VN060716.D (-1288) (-)





#23

Vinyl Acetate

Concen: 256.724 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

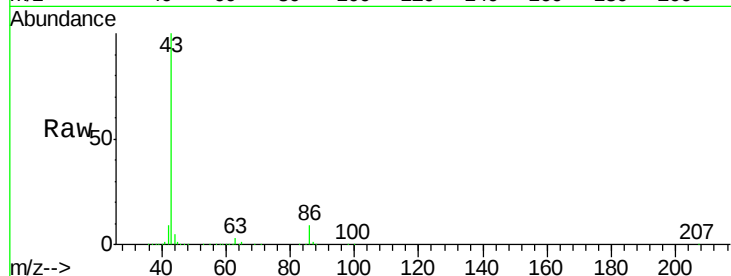
VSTDCCC050

Tgt Ion: 43 Resp: 1641926

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060716.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060716.D (-1178) (-)

5.86

500000

400000

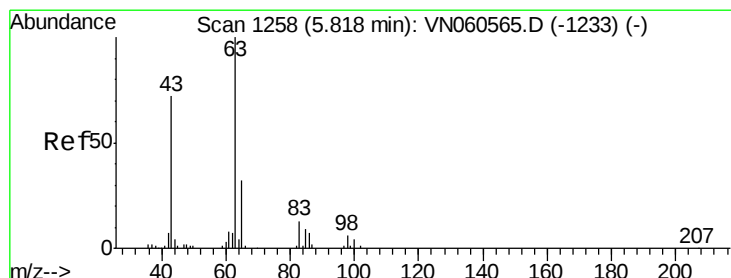
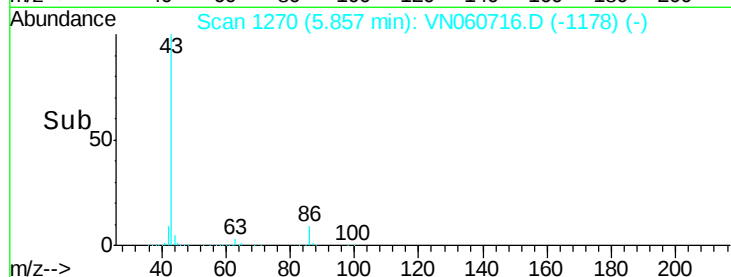
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.352 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

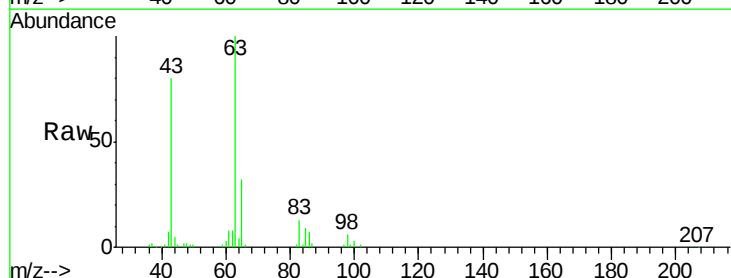
Tgt Ion: 63 Resp: 215168

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060716.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060716.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060716.D (-1165) (-)

5.82

80000

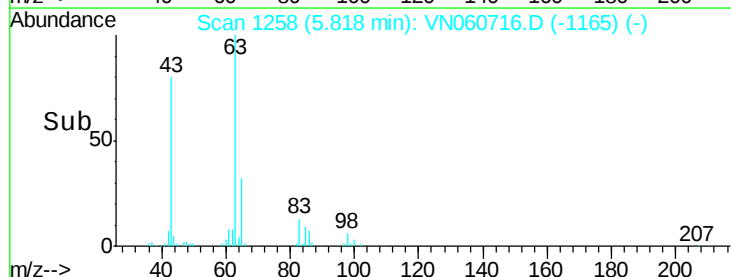
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 240.702 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

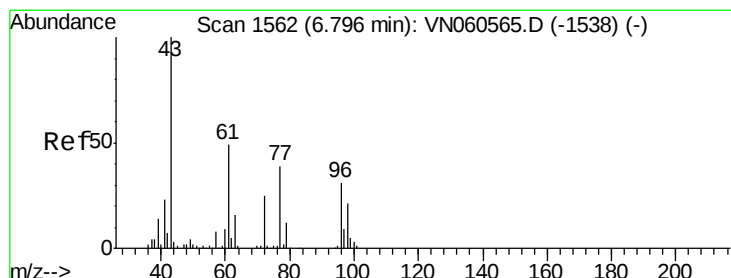
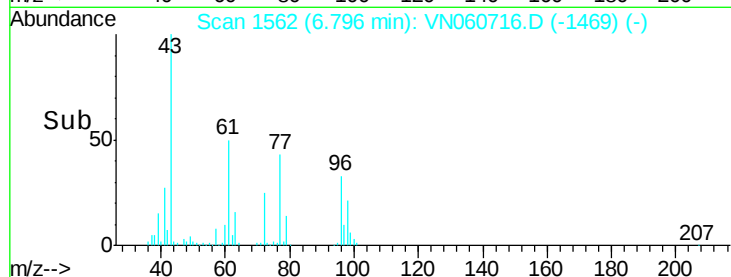
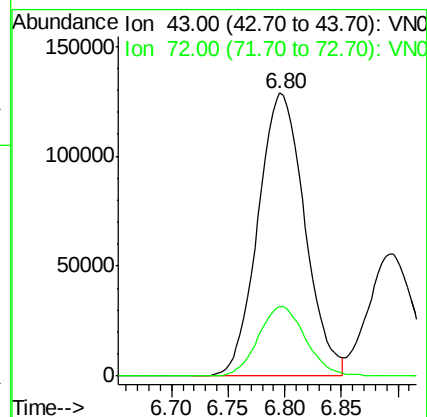
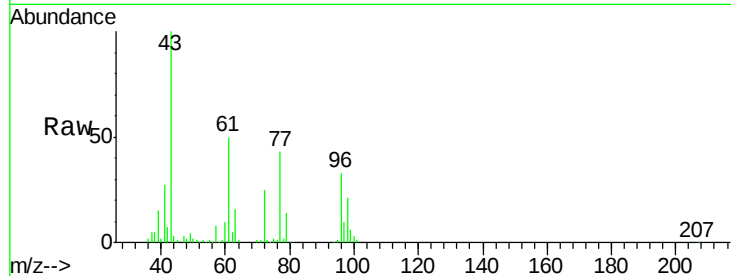
VSTDCCC050

Tgt Ion: 43 Resp: 369033

Ion Ratio Lower Upper

43 100

72 24.8 20.4 30.6



#26

2,2-Dichloropropane

Concen: 53.374 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060716.D

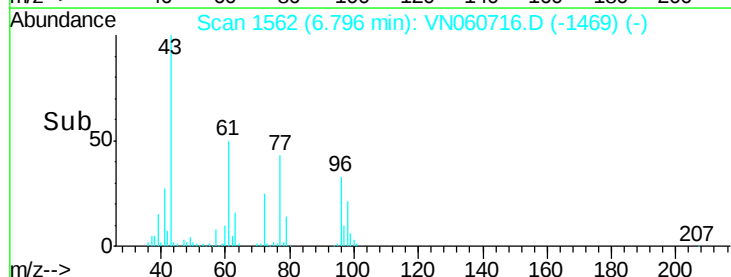
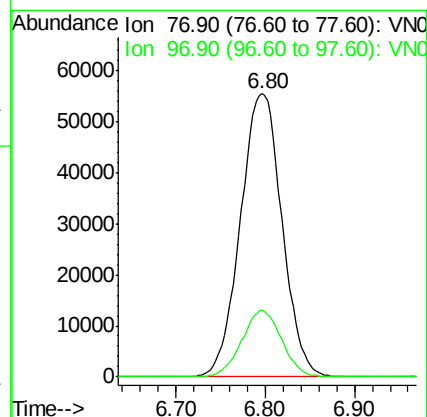
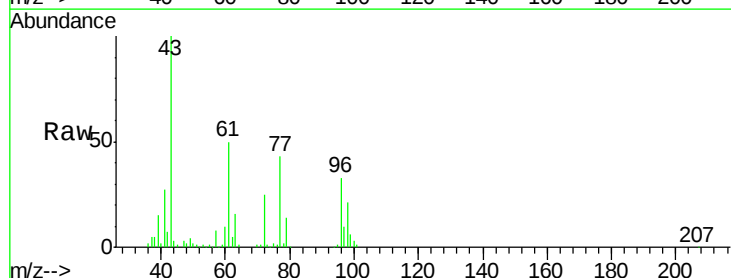
Acq: 26 Mar 2020 15:49

Tgt Ion: 77 Resp: 179451

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.542 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

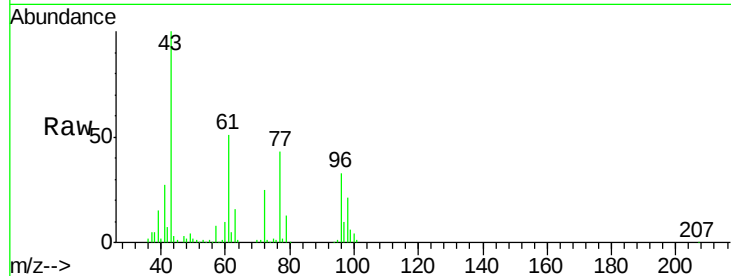
Tgt Ion: 96 Resp: 124022

Ion Ratio Lower Upper

96 100

61 157.4 0.0 305.6

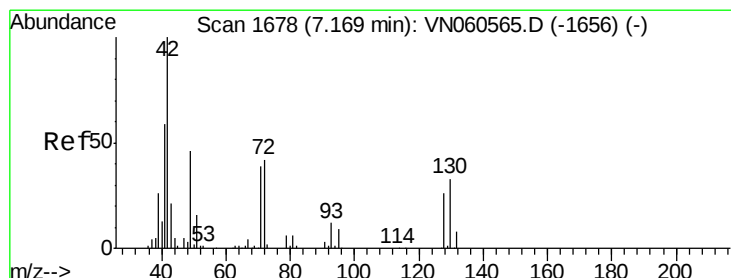
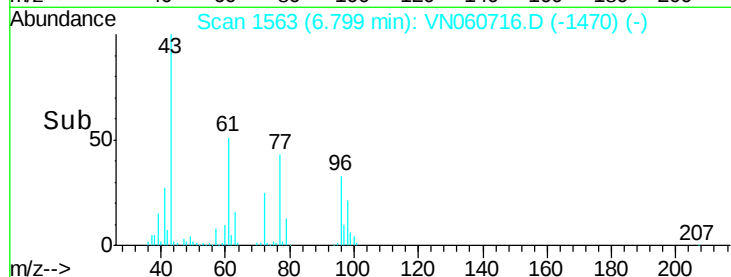
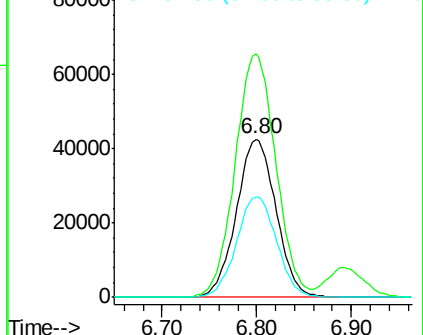
98 64.3 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060716.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060716.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060716.D (-1470) (-)



#28

Bromochloromethane

Concen: 51.868 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

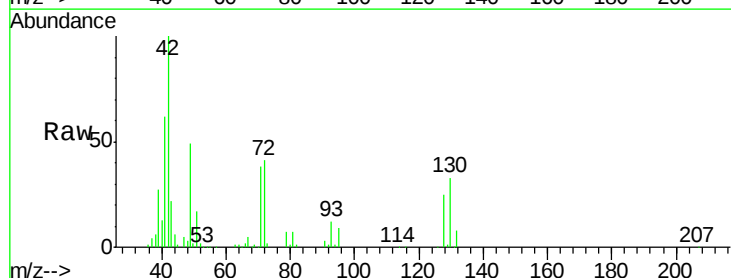
Tgt Ion: 49 Resp: 106044

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

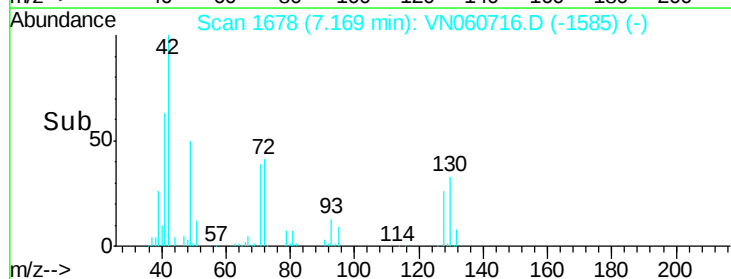
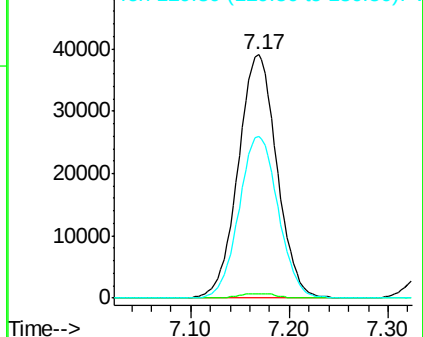
130 67.1 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN060716.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060716.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060716.D (-1585) (-)

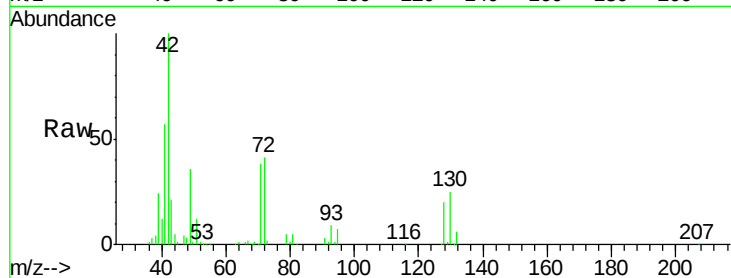




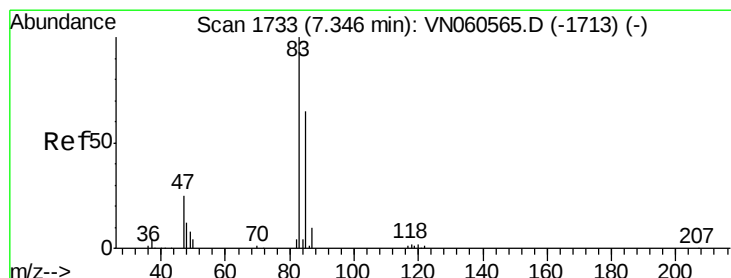
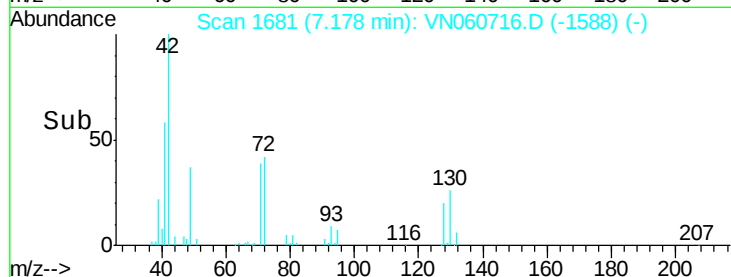
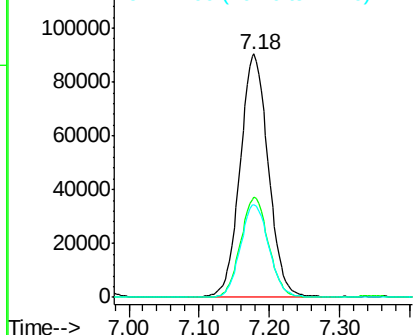
#29
Tetrahydrofuran
Concen: 233.213 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 252982
Ion Ratio Lower Upper
42 100
72 40.3 33.2 49.8
71 38.2 31.1 46.7

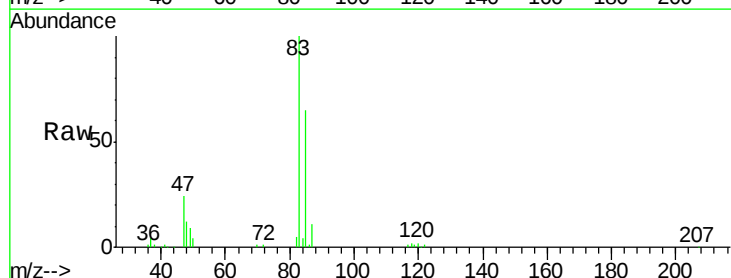


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

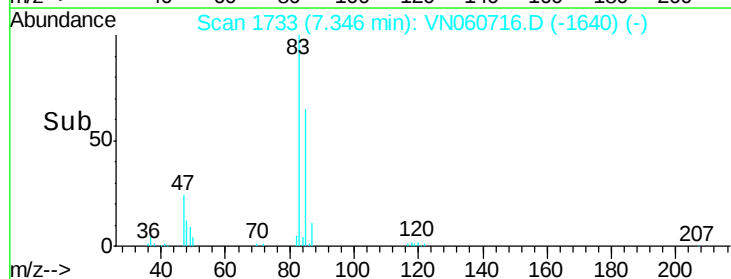
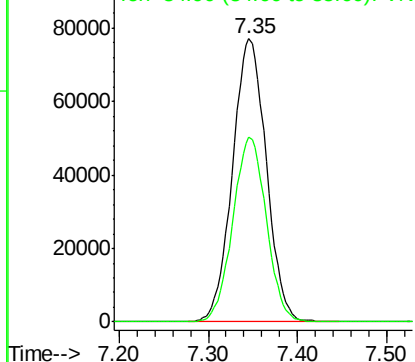


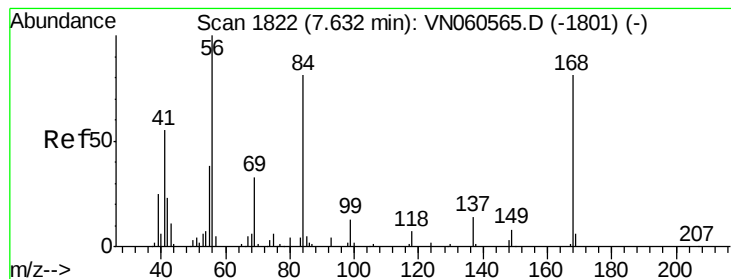
#30
Chloroform
Concen: 49.497 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 83 Resp: 202770
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.949 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

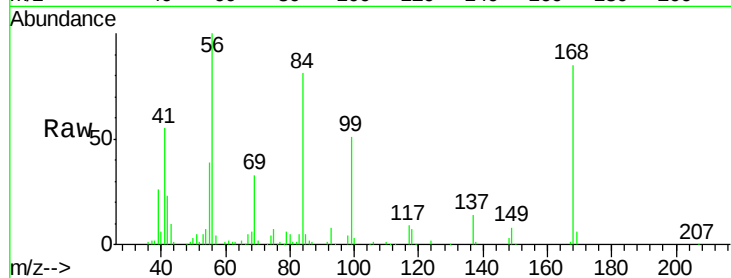
Tgt Ion: 56 Resp: 202258

Ion Ratio Lower Upper

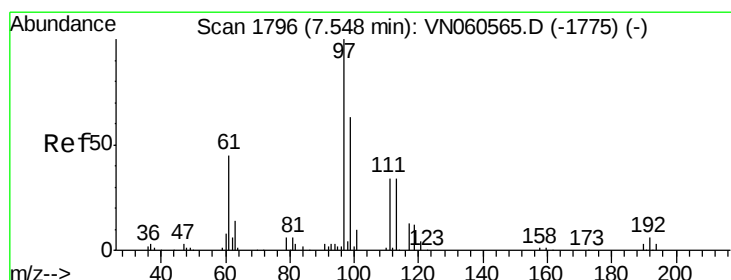
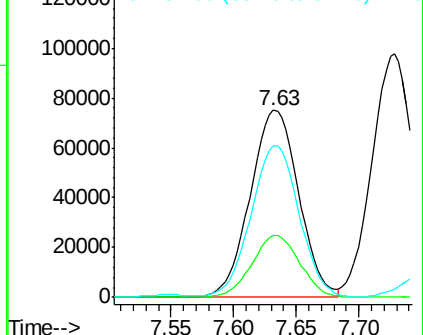
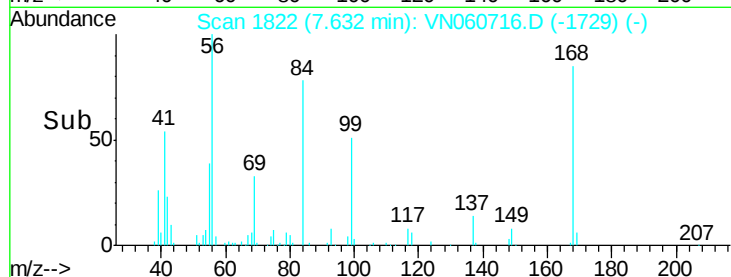
56 100

69 33.0 26.6 40.0

84 80.2 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060716.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.363 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

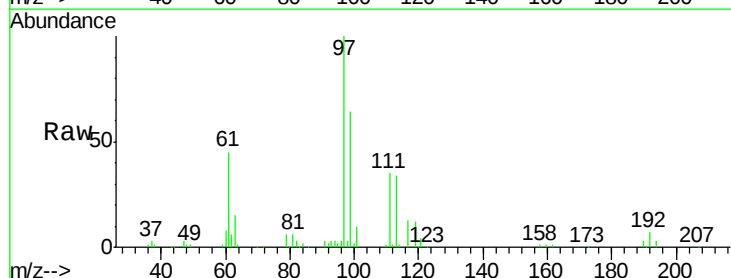
Tgt Ion: 97 Resp: 174328

Ion Ratio Lower Upper

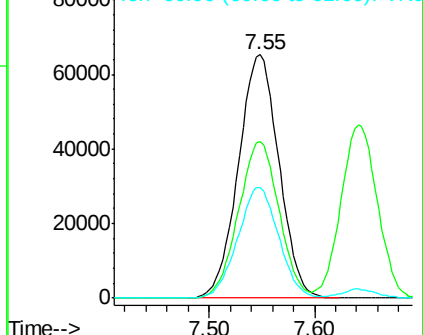
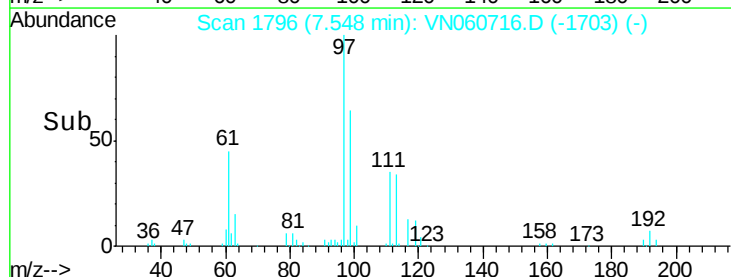
97 100

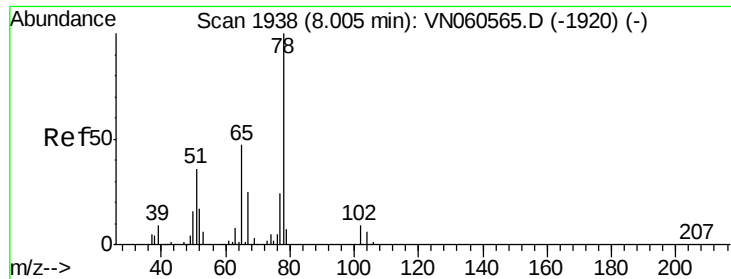
99 64.6 50.6 75.8

61 45.8 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN060716.D (-1703) (-)

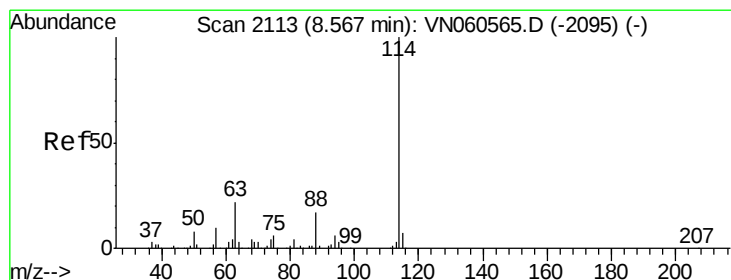
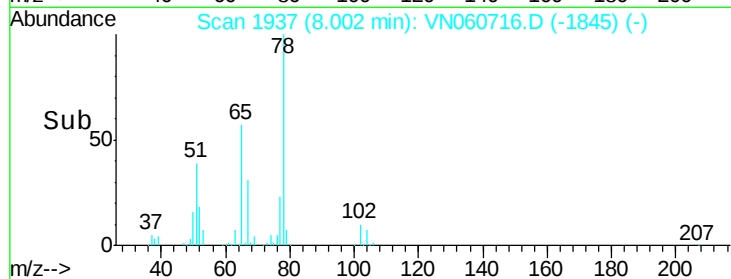
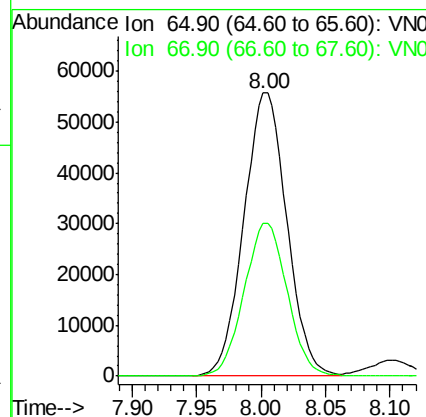
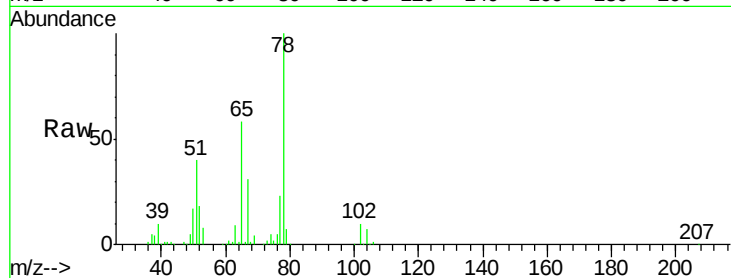




#33
 1,2-Dichloroethane-d4
 Concen: 48.354 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

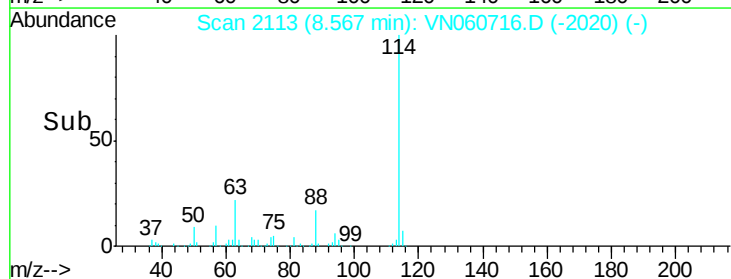
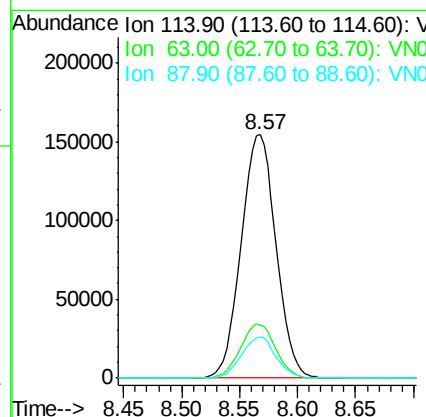
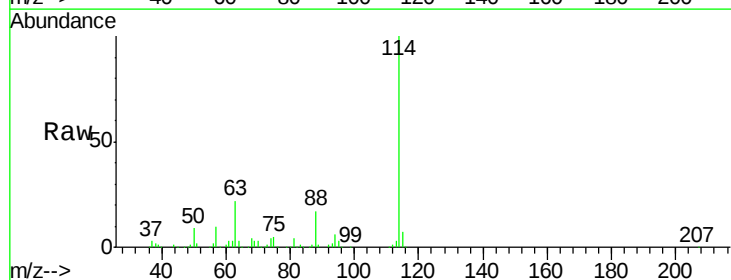
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

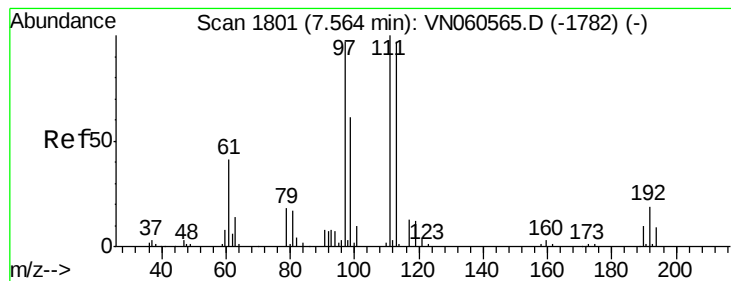
Tgt Ion: 65 Resp: 129337
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 114 Resp: 323320
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.707 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

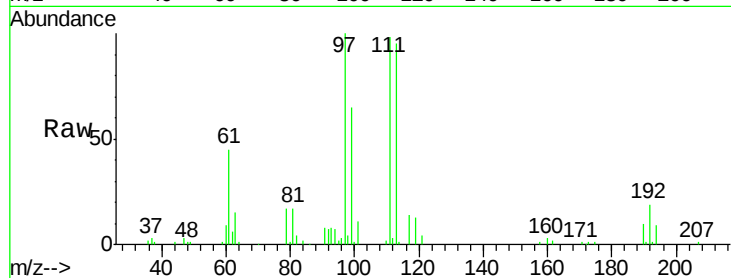
Tgt Ion:113 Resp: 97177

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

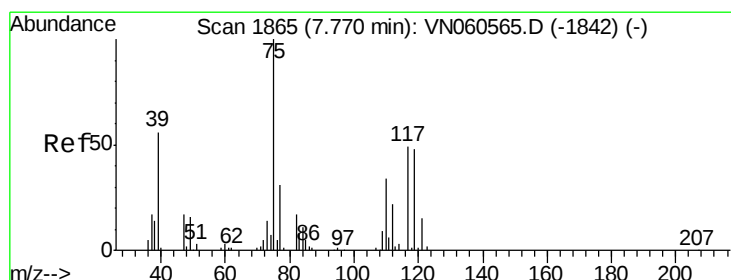
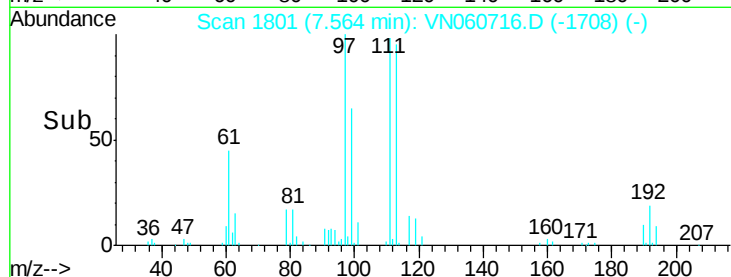
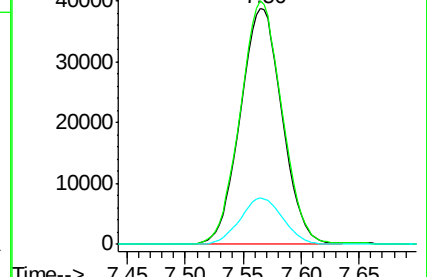
192 20.1 15.8 23.8



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: 50.126 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

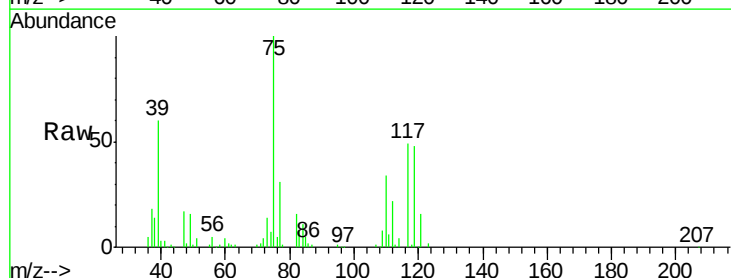
Tgt Ion: 75 Resp: 156930

Ion Ratio Lower Upper

75 100

110 34.2 16.9 50.6

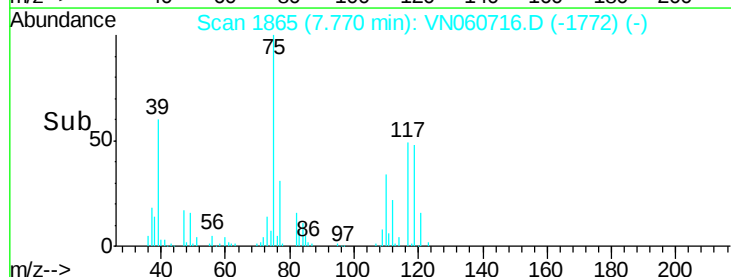
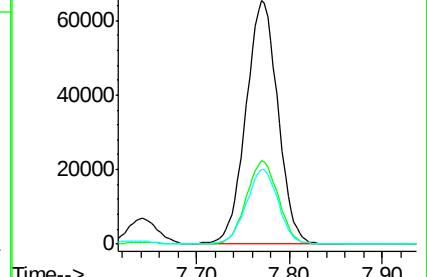
77 30.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

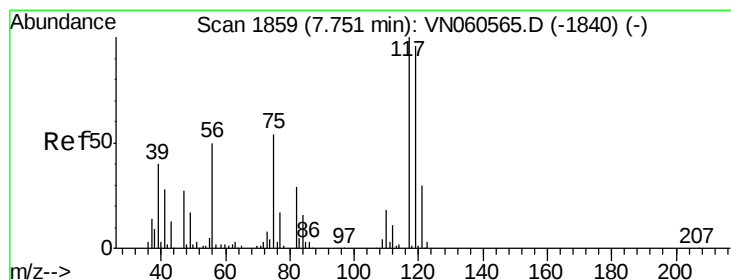
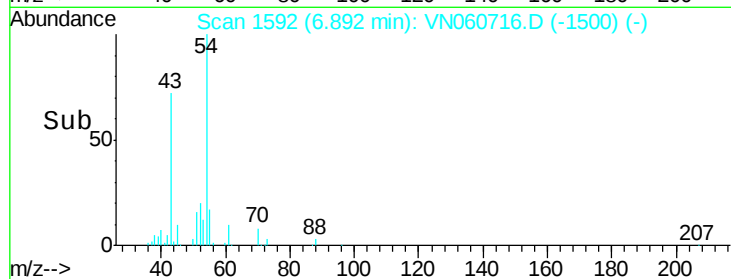
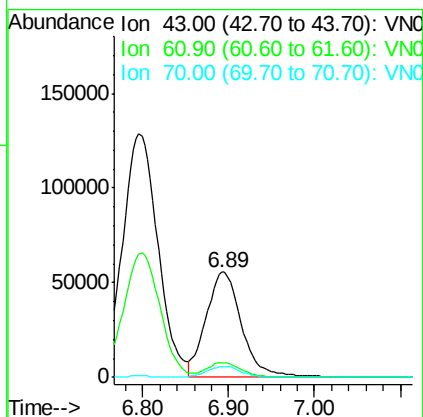
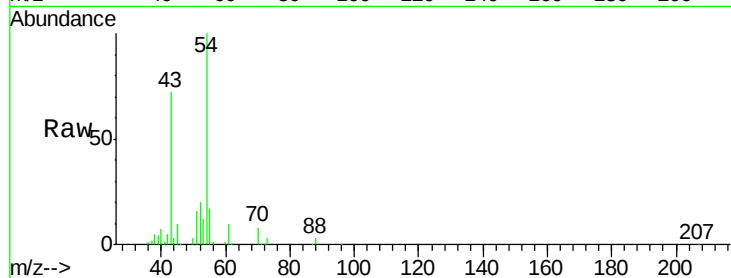




#37
 Ethyl Acetate
 Concen: 46.859 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

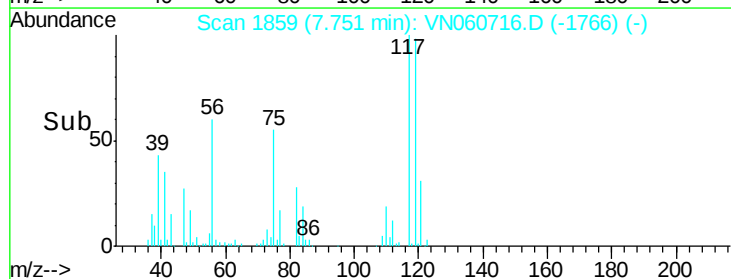
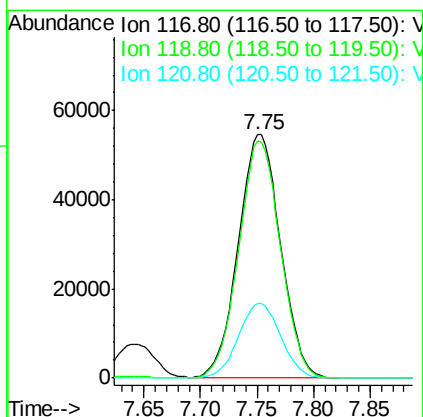
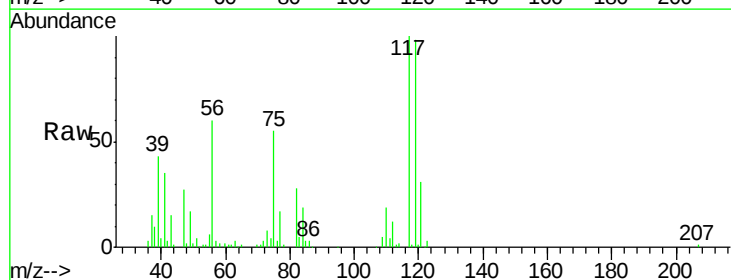
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

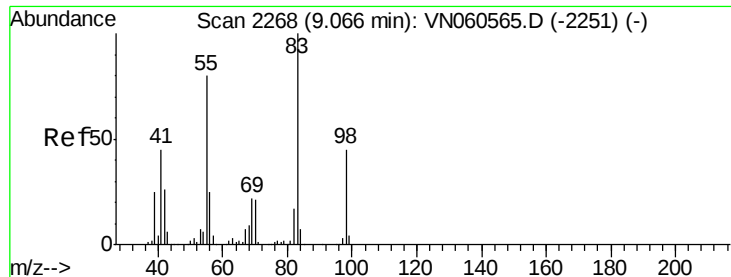
Tgt Ion: 43 Resp: 158515
 Ion Ratio Lower Upper
 43 100
 61 13.8 10.6 15.8
 70 10.0 7.9 11.9



#38
 Carbon Tetrachloride
 Concen: 50.582 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 117 Resp: 141931
 Ion Ratio Lower Upper
 117 100
 119 97.6 76.2 114.2
 121 30.8 23.7 35.5

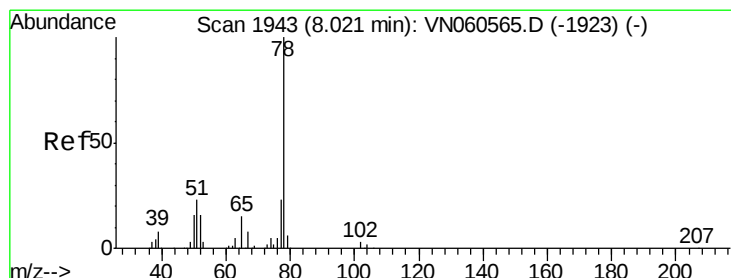
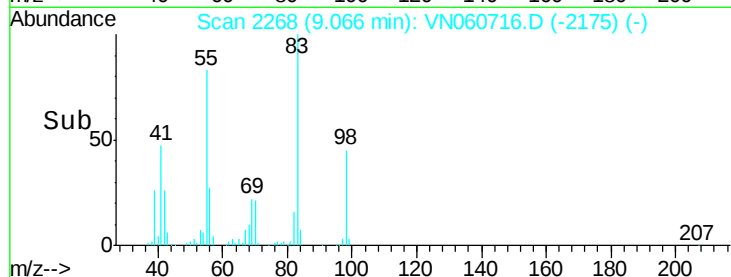
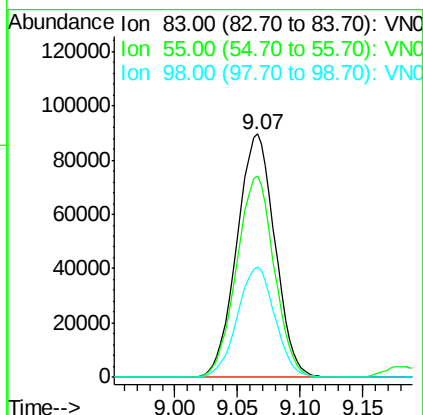
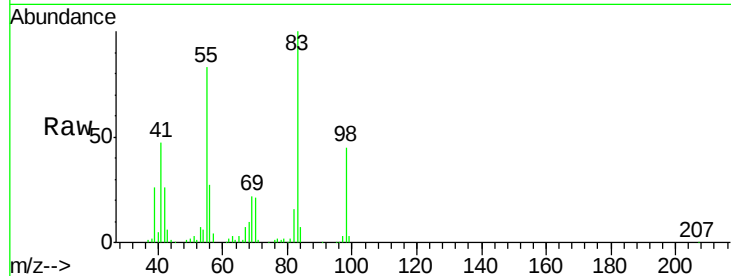




#39
Methylcyclohexane
Concen: 50.838 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

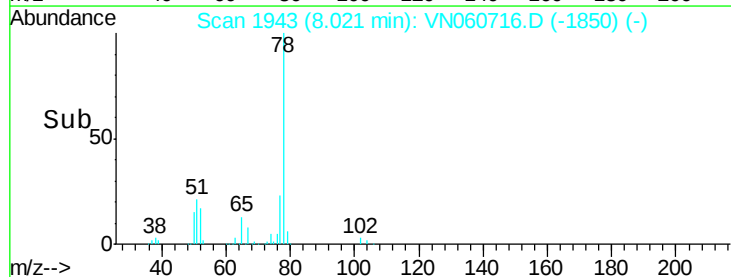
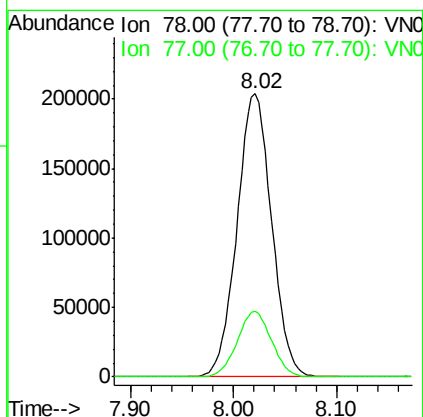
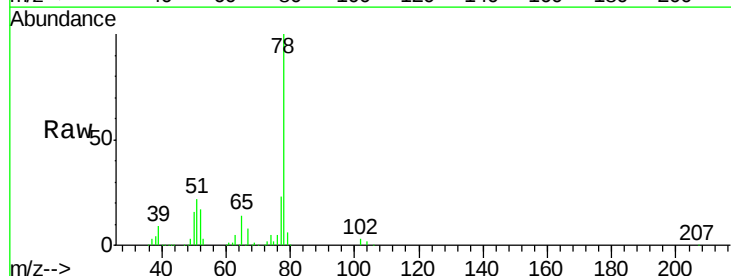
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

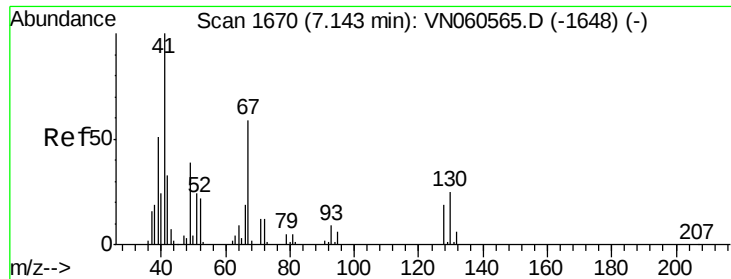
Tgt Ion: 83 Resp: 189142
Ion Ratio Lower Upper
83 100
55 82.9 63.6 95.4
98 45.4 36.0 54.0



#40
Benzene
Concen: 50.226 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 78 Resp: 474679
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0

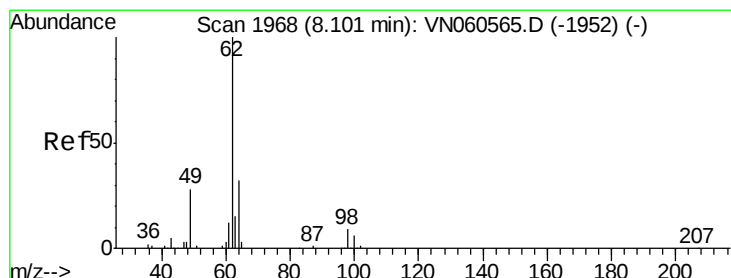
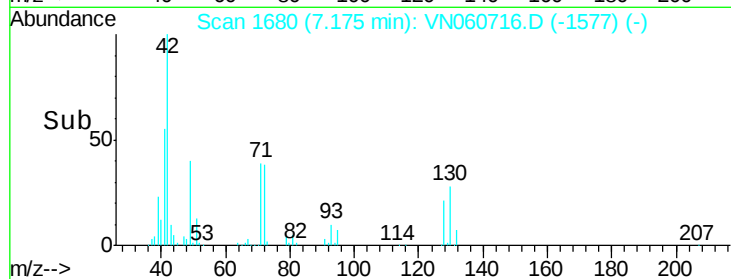
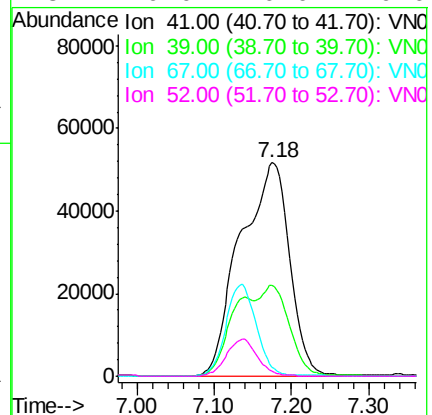
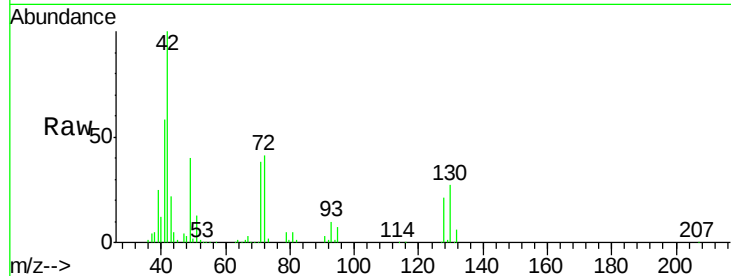




#41
Methacrylonitrile
Concen: 158.801 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

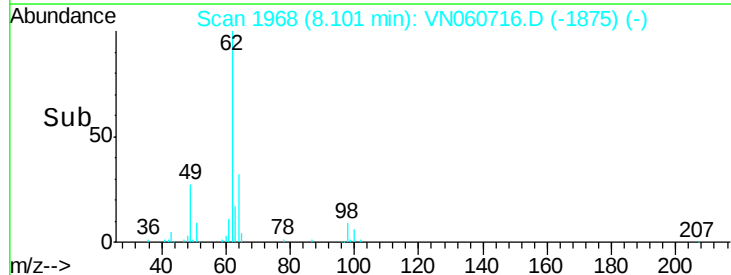
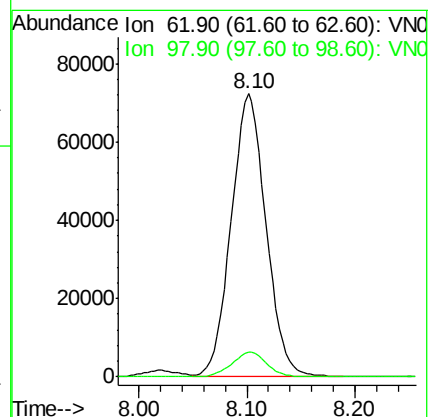
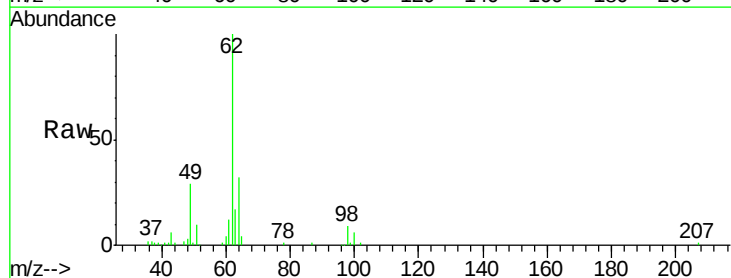
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

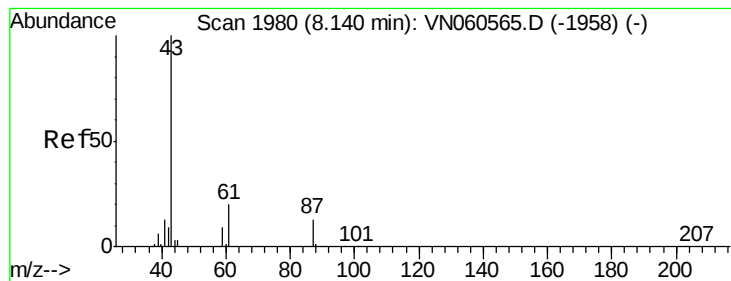
Tgt Ion:	41	Resp:	229261
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.416 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion:	62	Resp:	162837
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 49.127 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

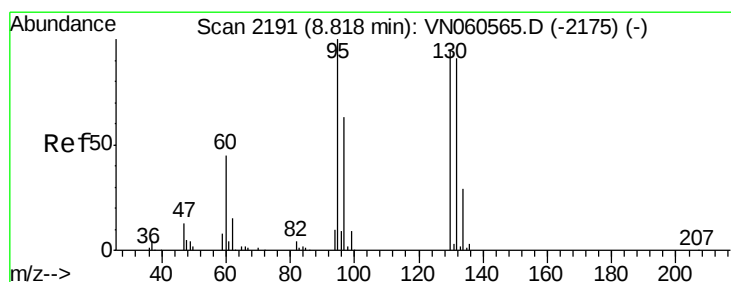
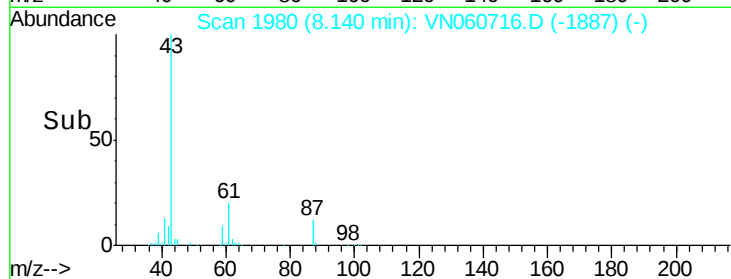
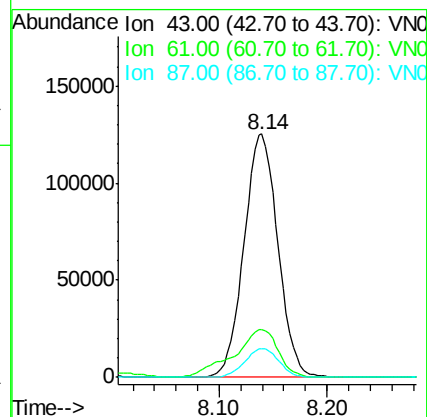
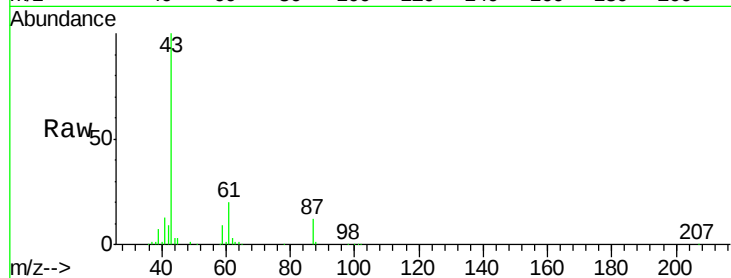
Tgt Ion: 43 Resp: 274079

Ion Ratio Lower Upper

43 100

61 26.0 20.7 31.1

87 11.9 9.8 14.8



#44

Trichloroethene

Concen: 50.166 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060716.D

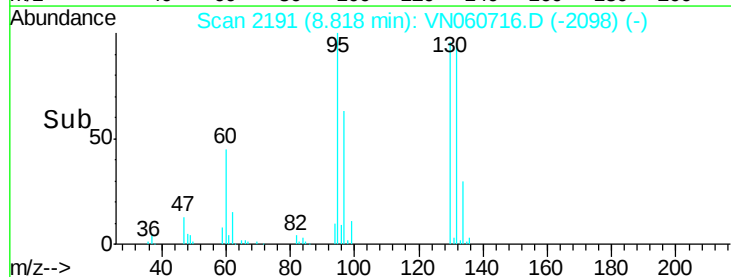
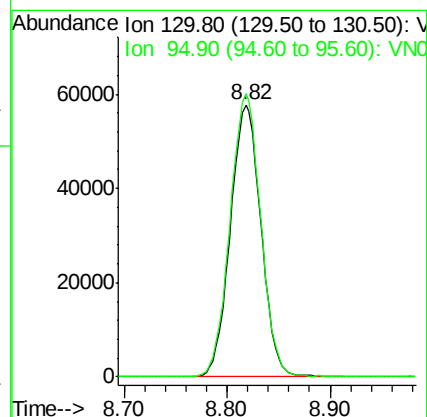
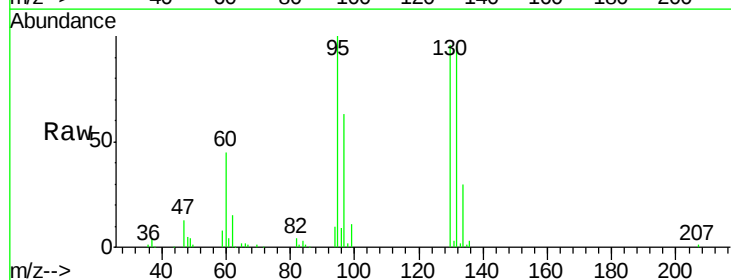
Acq: 26 Mar 2020 15:49

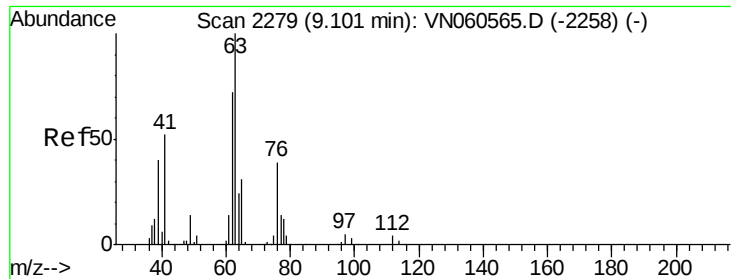
Tgt Ion: 130 Resp: 119519

Ion Ratio Lower Upper

130 100

95 104.0 0.0 211.2

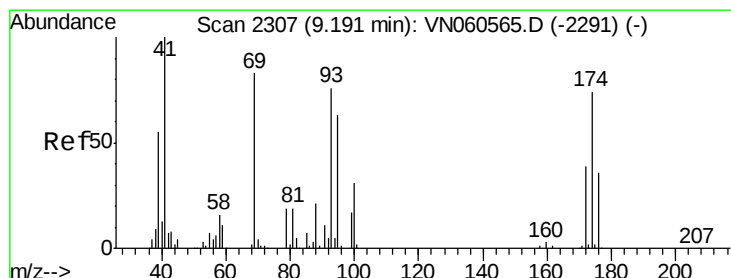
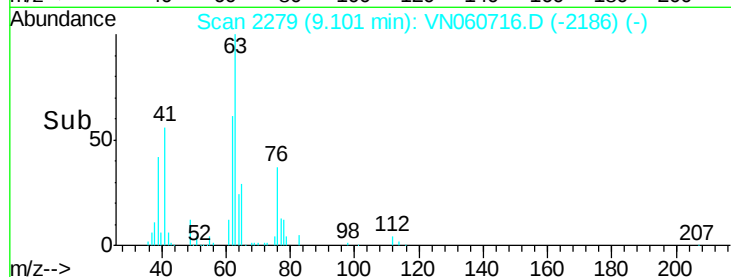
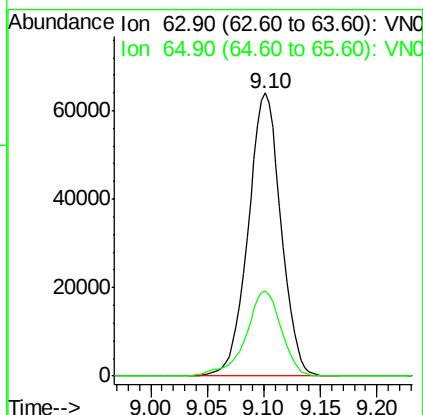
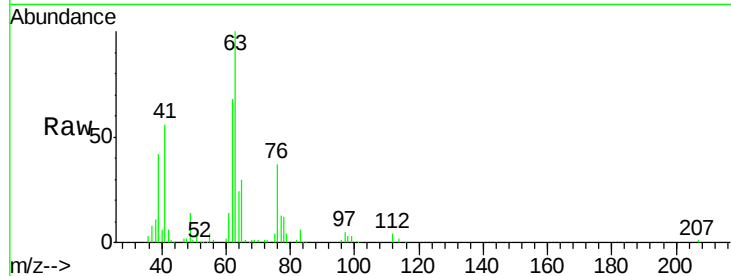




#45
 1,2-Dichloropropane
 Concen: 51.722 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

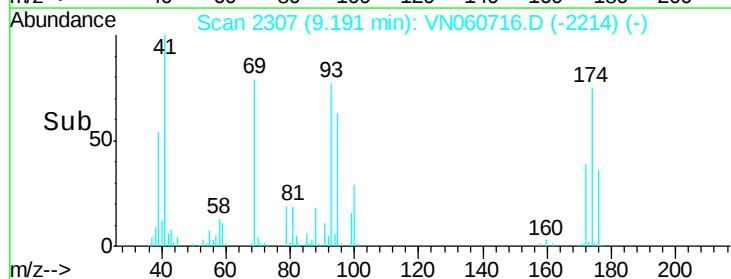
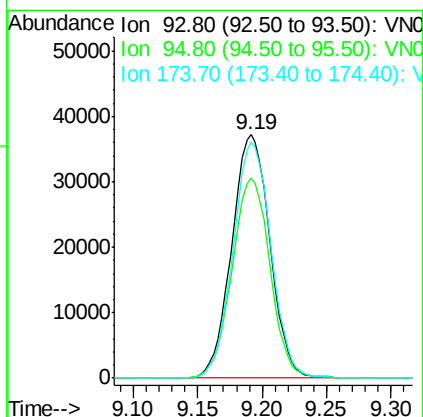
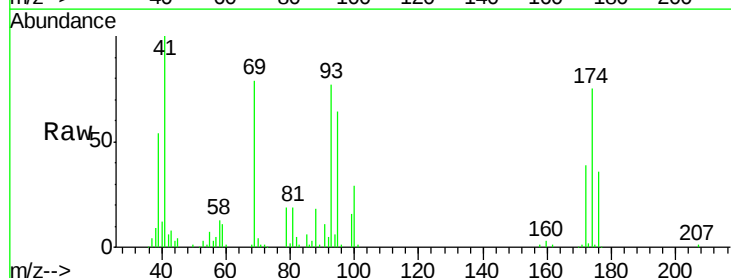
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 128985
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.4 38.0



#46
 Dibromomethane
 Concen: 50.812 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 93 Resp: 76606
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.4
 174 96.5 77.9 116.9





#47

Bromodichloromethane

Concen: 51.436 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

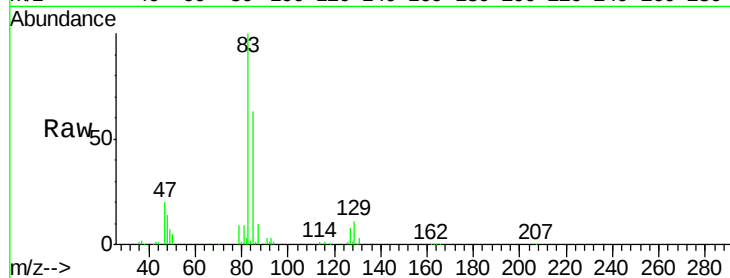
Tgt Ion: 83 Resp: 161145

Ion Ratio Lower Upper

83 100

85 62.9 51.8 77.6

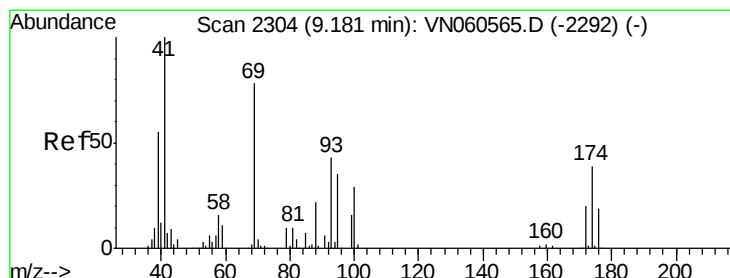
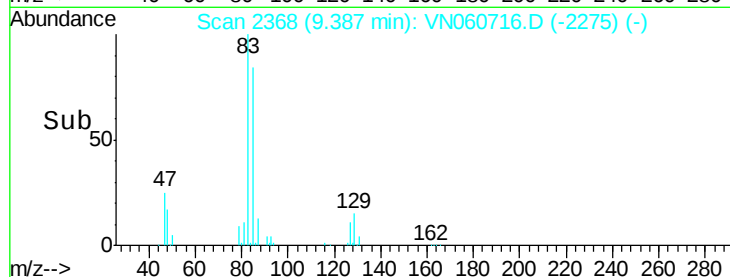
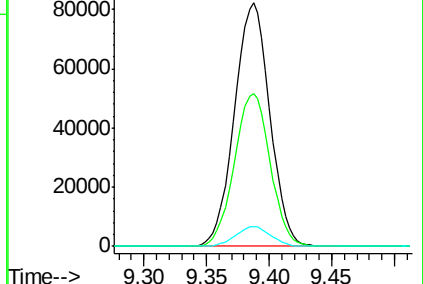
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060716.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060716.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060716.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.290 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

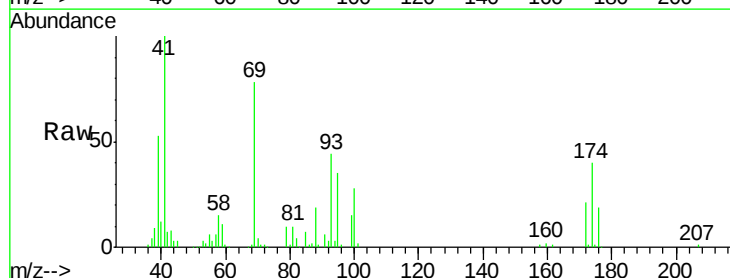
Tgt Ion: 41 Resp: 122431

Ion Ratio Lower Upper

41 100

69 81.7 65.4 98.0

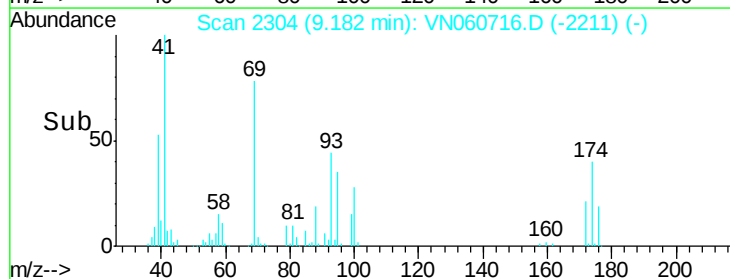
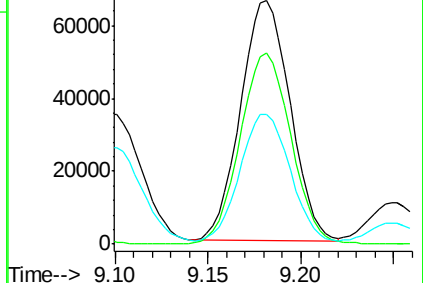
39 53.4 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060716.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060716.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060716.D (-2211) (-)

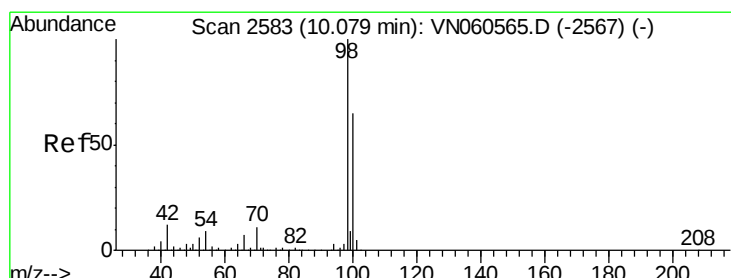
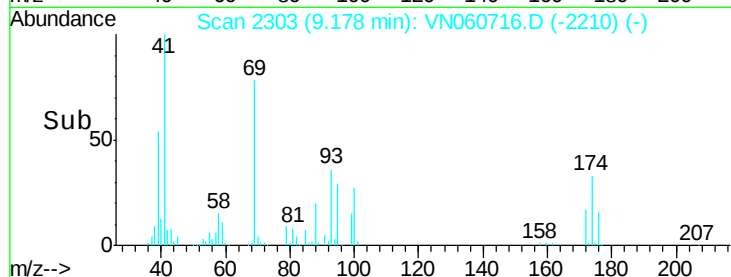
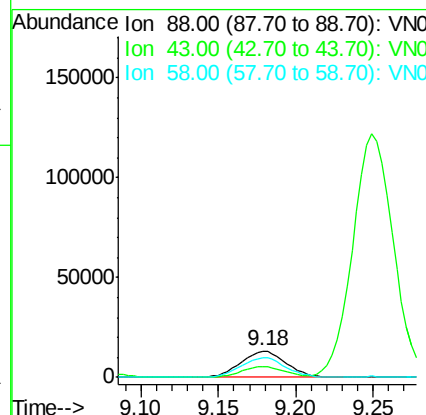
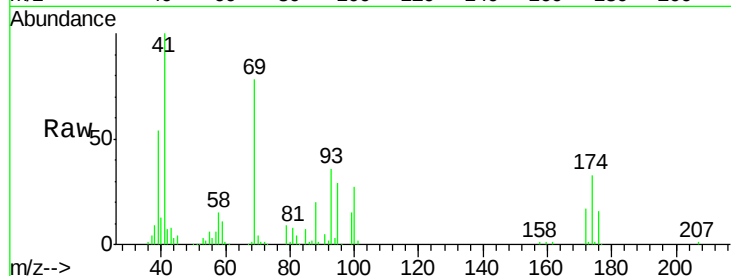




#49
1,4-Dioxane
Concen: 908.376 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

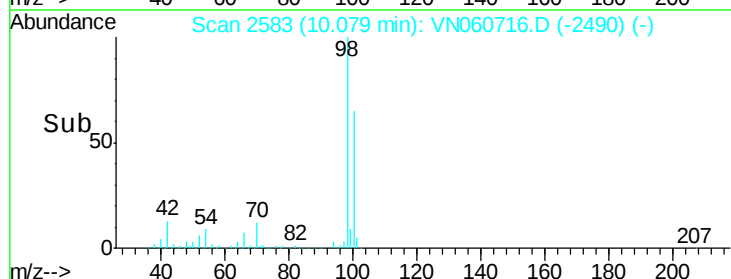
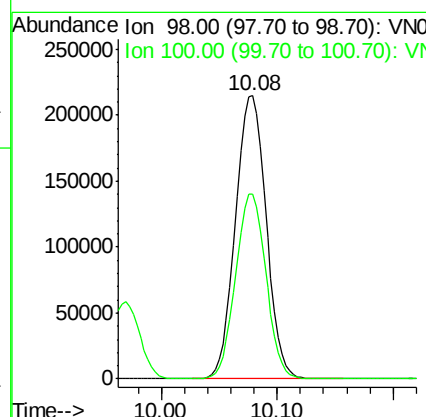
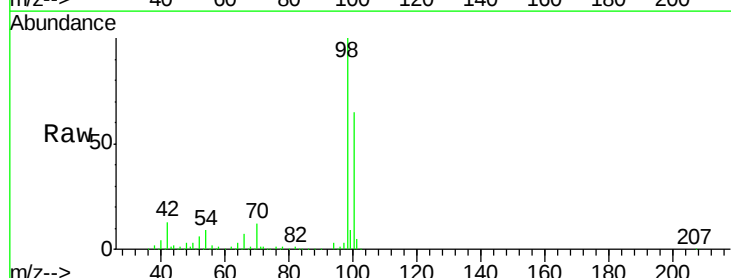
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 26819
Ion Ratio Lower Upper
88 100
43 39.8 30.8 46.2
58 73.4 59.8 89.8



#50
Toluene-d8
Concen: 49.265 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 98 Resp: 393401
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

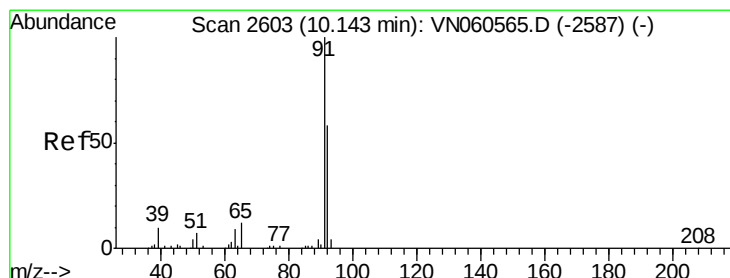
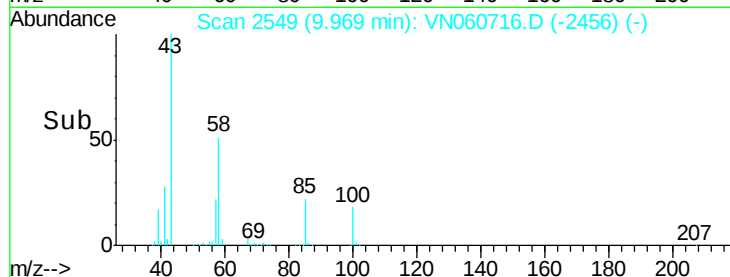
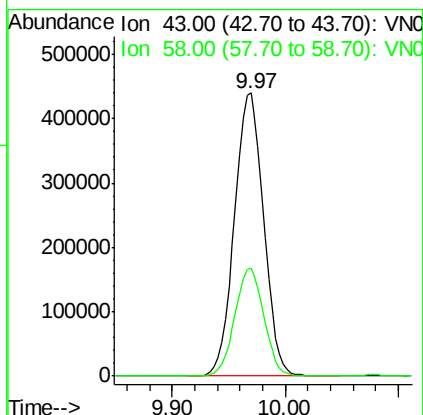
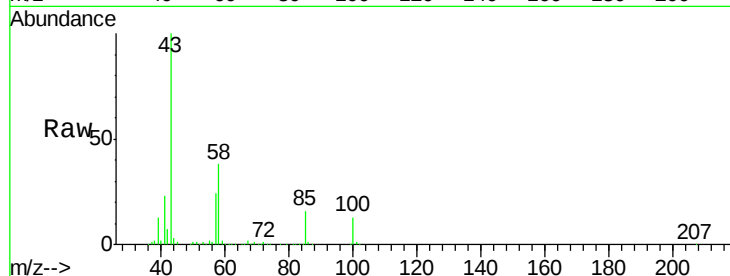




#51
 4-Methyl-2-Pentanone
 Concen: 248.739 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

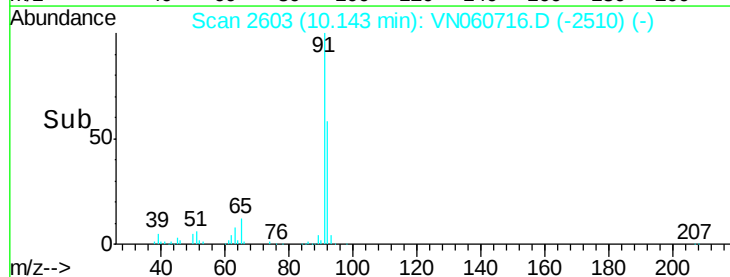
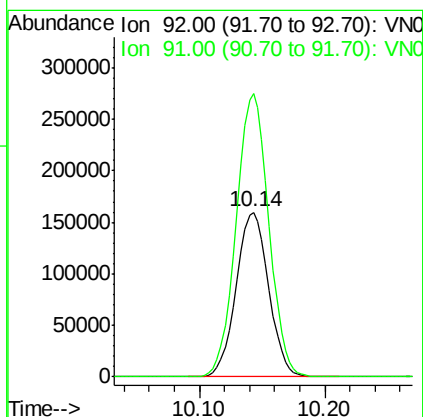
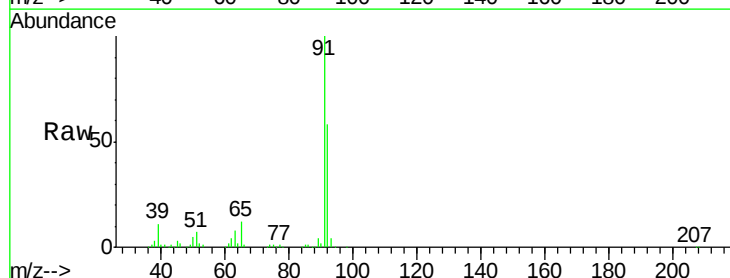
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

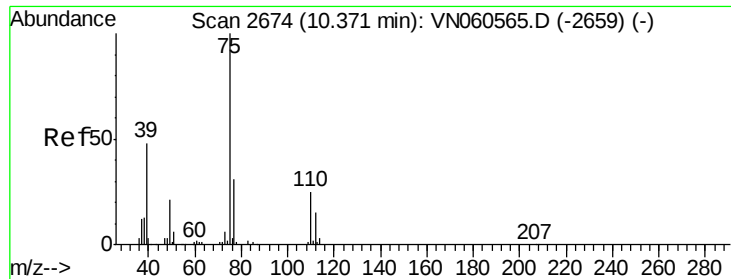
Tgt Ion: 43 Resp: 789663
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2



#52
 Toluene
 Concen: 50.270 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 92 Resp: 286925
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 51.626 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

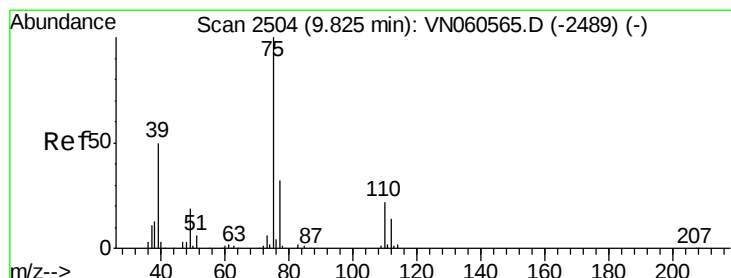
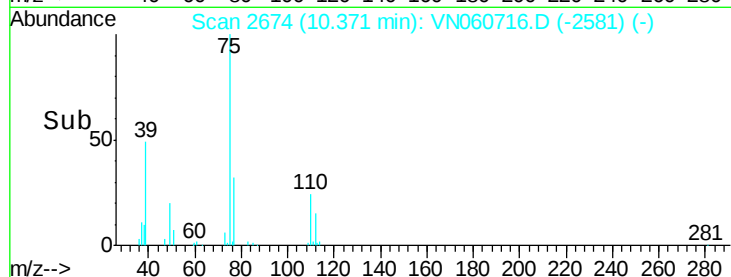
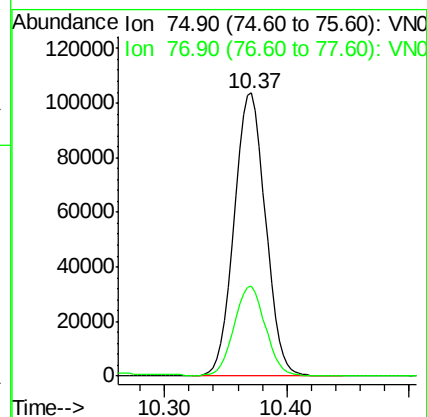
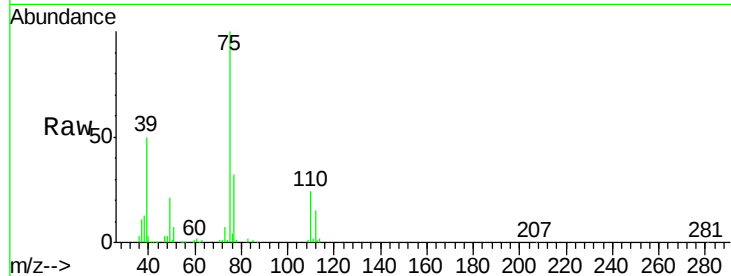
VSTDCCC050

Tgt Ion: 75 Resp: 185785

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.049 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

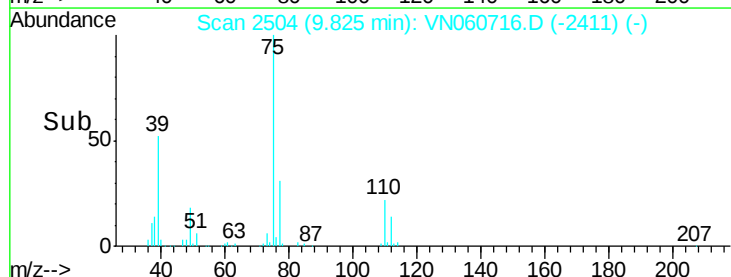
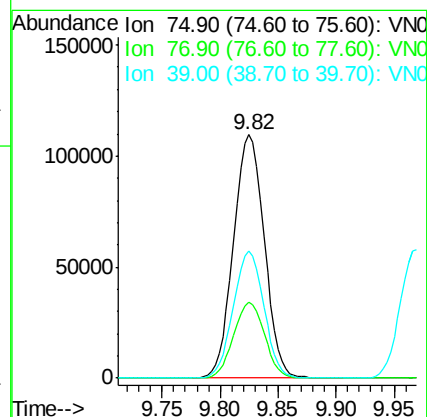
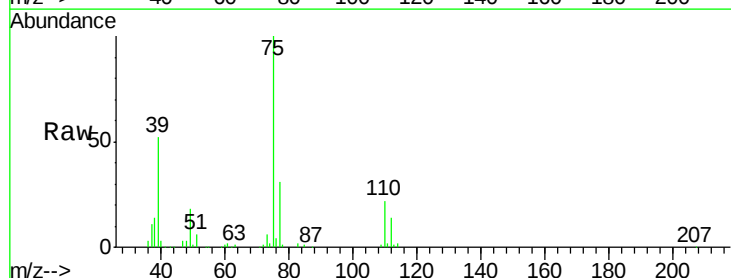
Tgt Ion: 75 Resp: 201539

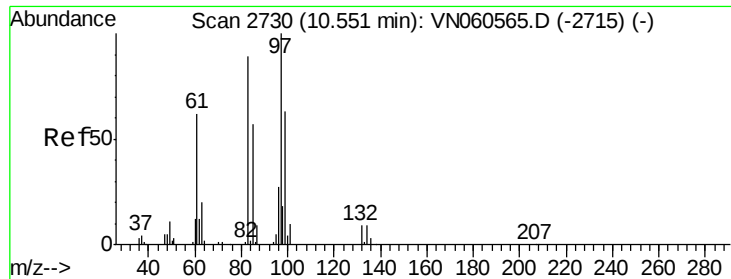
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 52.2 40.2 60.4

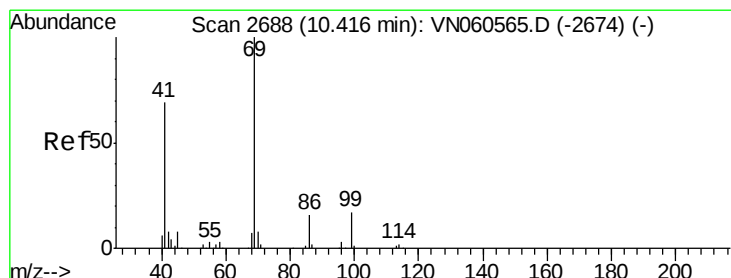
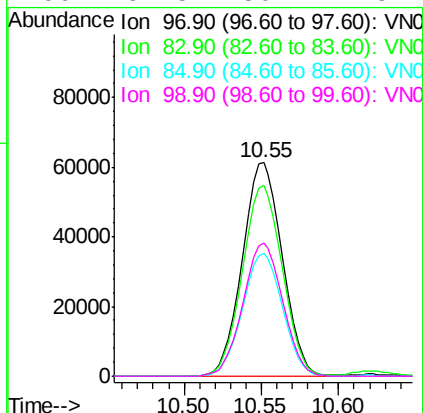
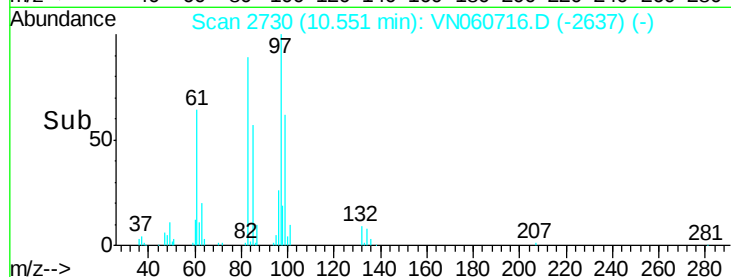
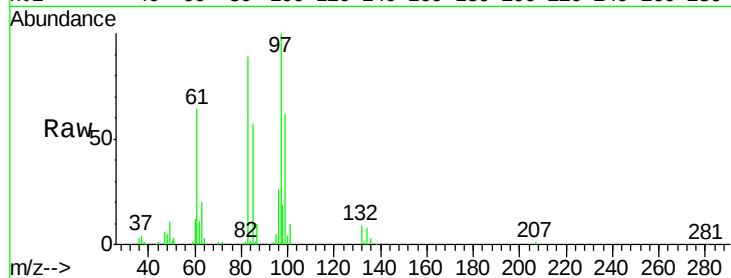




#55
 1,1,2-Trichloroethane
 Concen: 50.262 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

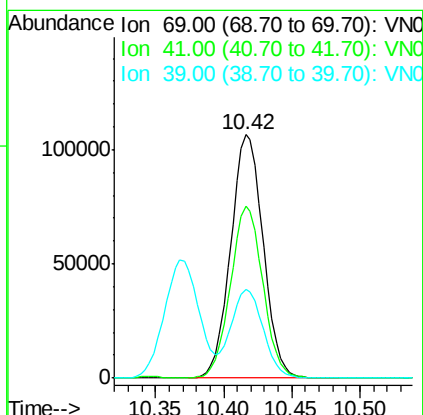
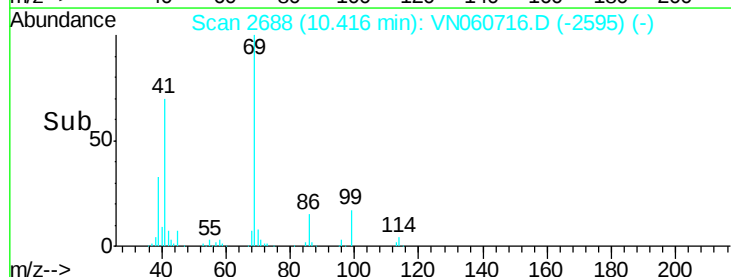
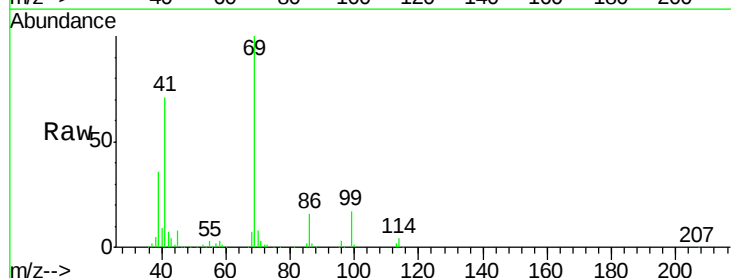
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 110368
 Ion Ratio Lower Upper
 97 100
 83 89.1 71.3 106.9
 85 57.4 45.2 67.8
 99 62.5 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 51.472 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 69 Resp: 176232
 Ion Ratio Lower Upper
 69 100
 41 70.0 55.4 83.2
 39 36.9 29.4 44.0





#57

1,3-Dichloropropane

Concen: 50.568 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

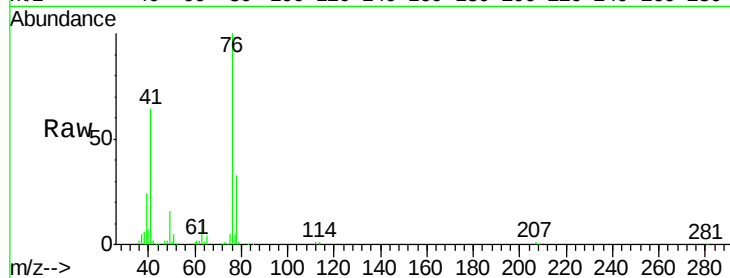
VSTDCCC050

Tgt Ion: 76 Resp: 192689

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

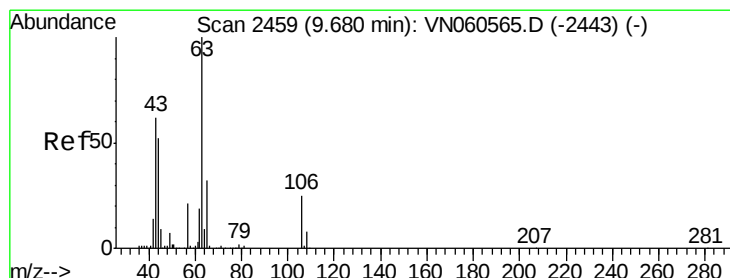
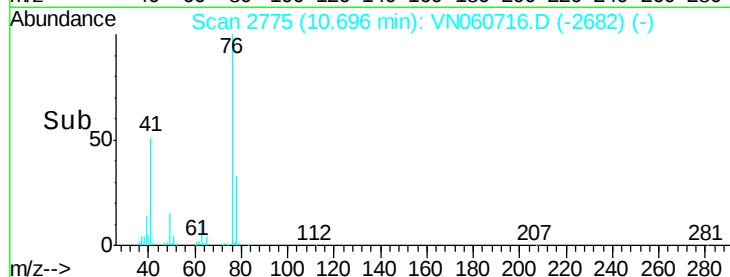
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 234.733 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060716.D

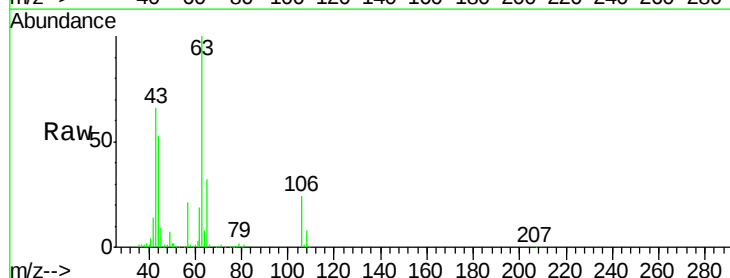
Acq: 26 Mar 2020 15:49

Tgt Ion: 63 Resp: 399441

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

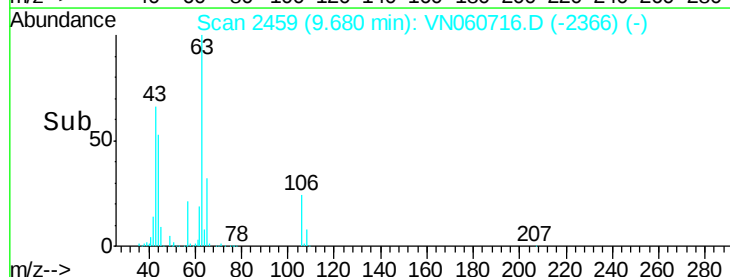
150000

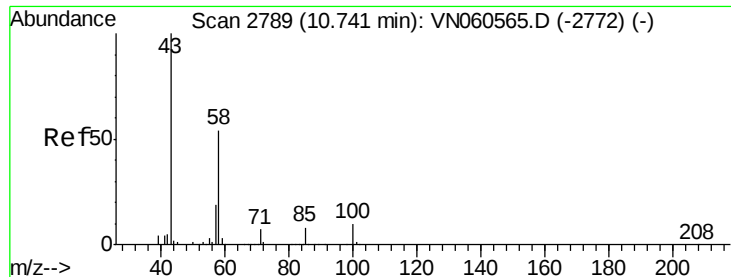
100000

50000

0

Time--> 9.60 9.70 9.80

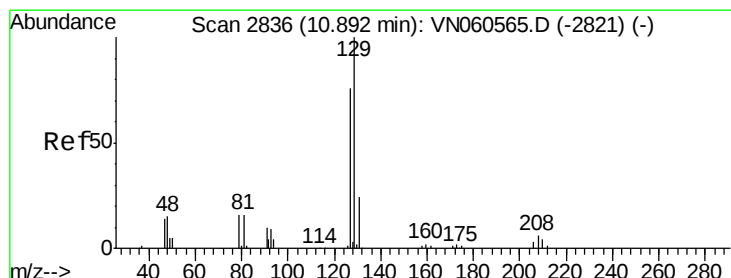
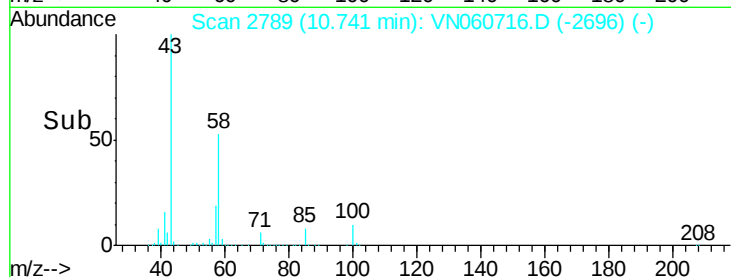
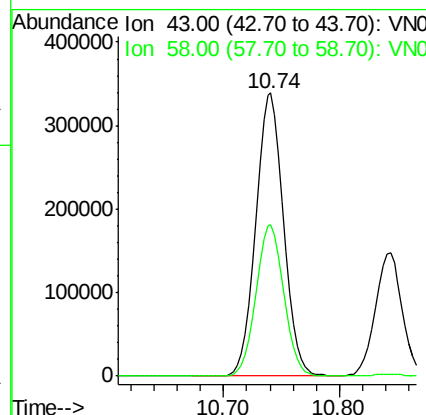
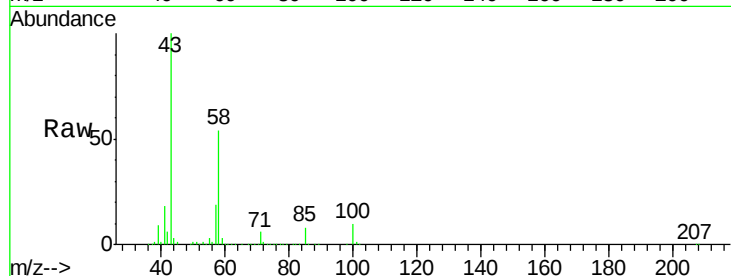




#59
2-Hexanone
Concen: 248.081 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

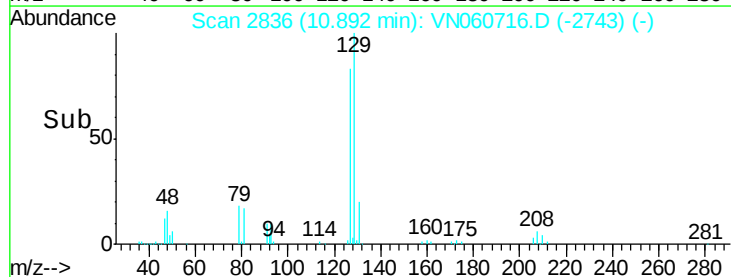
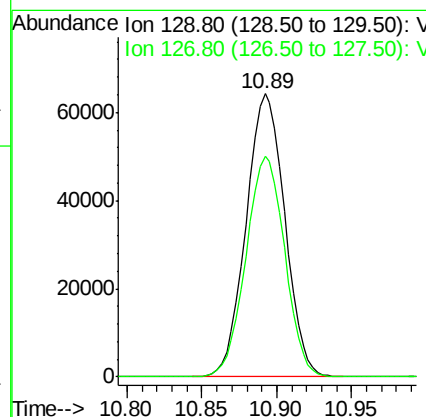
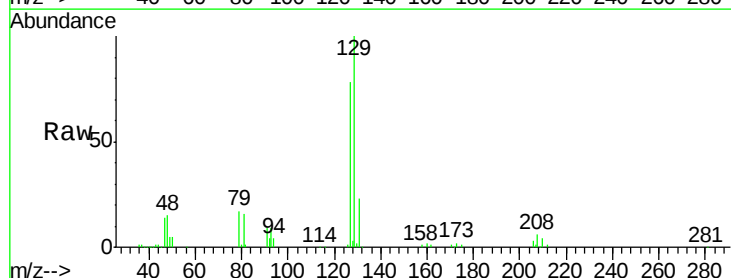
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

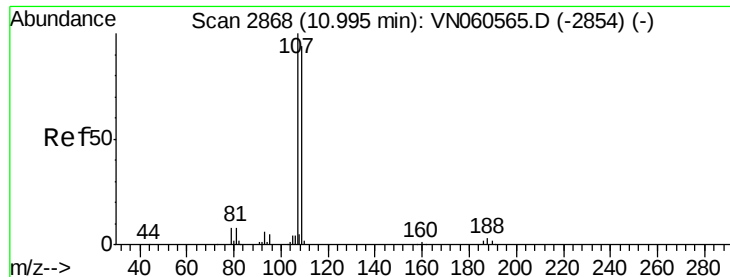
Tgt Ion: 43 Resp: 567331
Ion Ratio Lower Upper
43 100
58 53.7 26.7 80.1



#60
Dibromochloromethane
Concen: 51.078 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 129 Resp: 115854
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

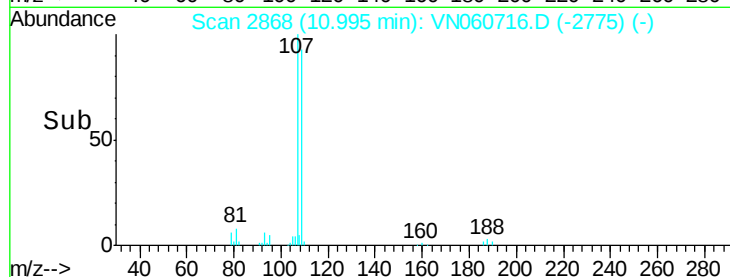
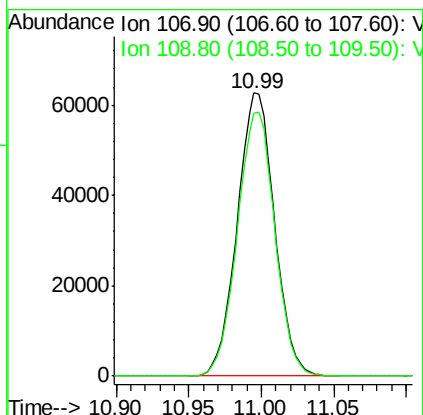
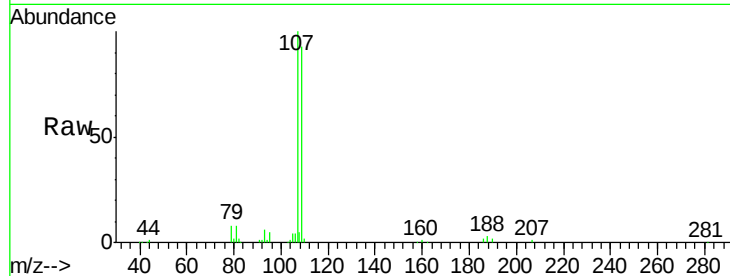




#61
1,2-Dibromoethane
Concen: 50.629 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

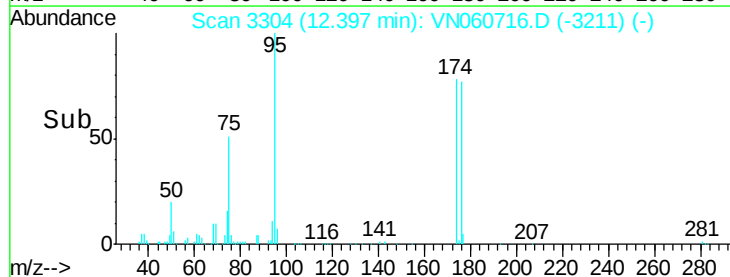
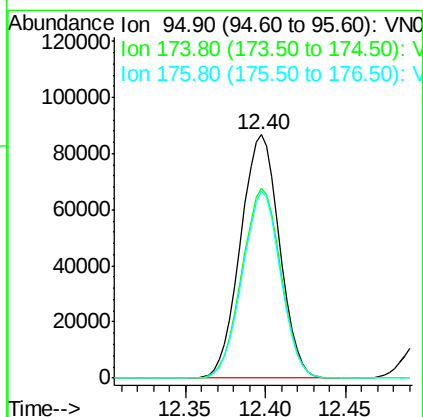
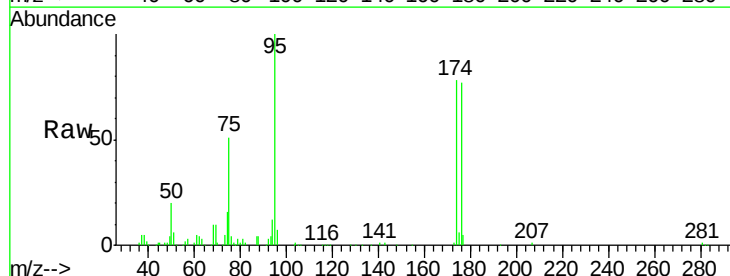
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 111791
Ion Ratio Lower Upper
107 100
109 94.1 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 49.289 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 95 Resp: 144247
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.6
176 75.5 0.0 150.6

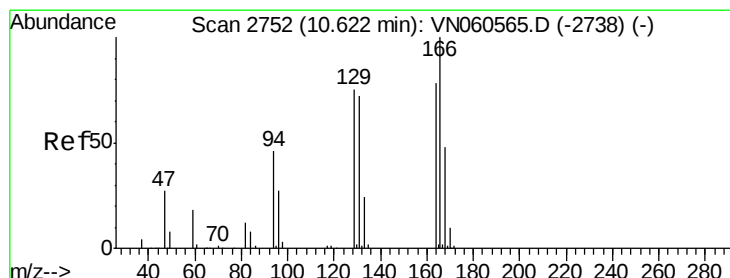
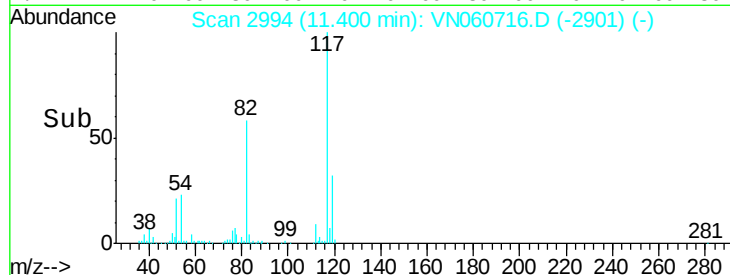
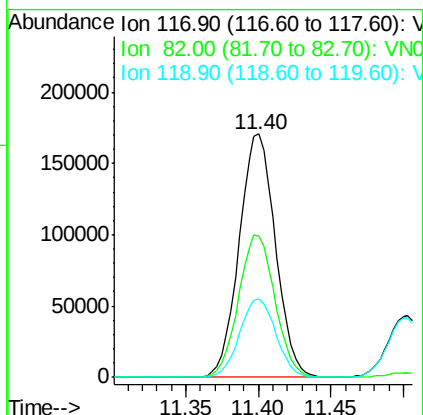
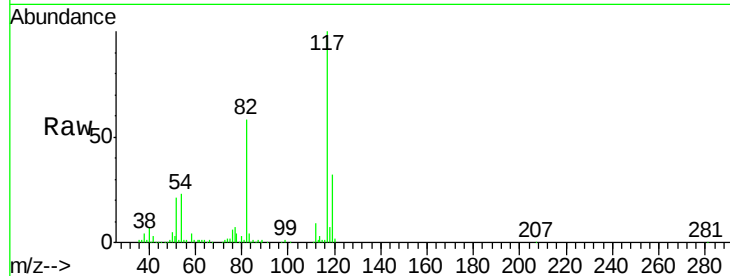




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

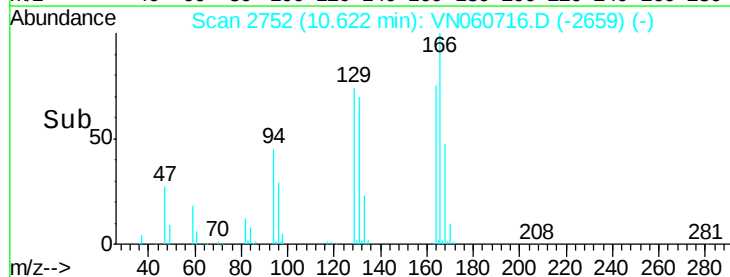
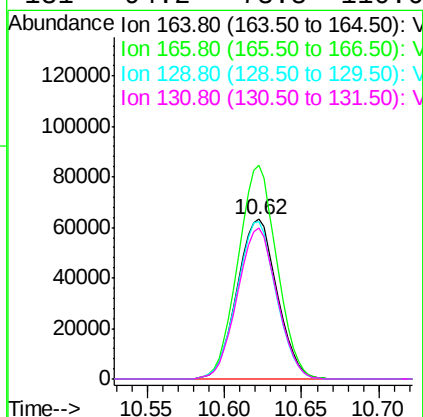
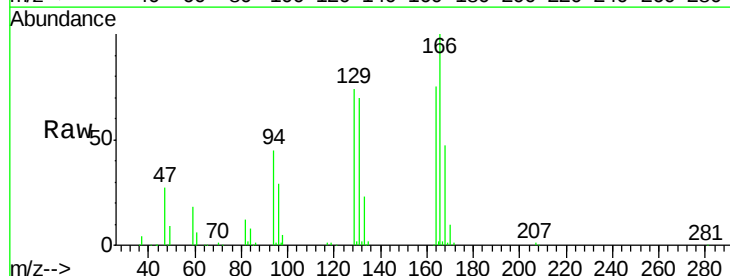
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 296596
Ion Ratio Lower Upper
117 100
82 58.2 46.7 70.1
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 48.653 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion:164 Resp: 113555
Ion Ratio Lower Upper
164 100
166 133.6 102.7 154.1
129 98.7 77.2 115.8
131 94.2 73.8 110.6

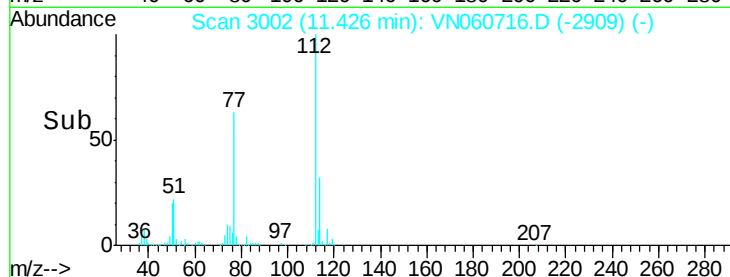
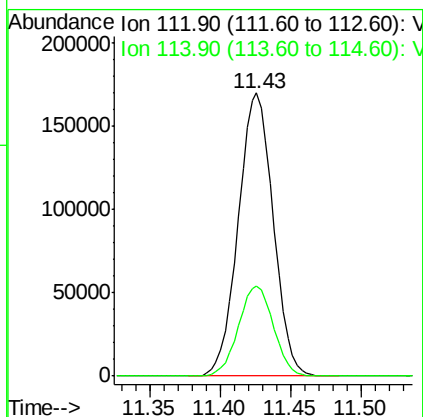
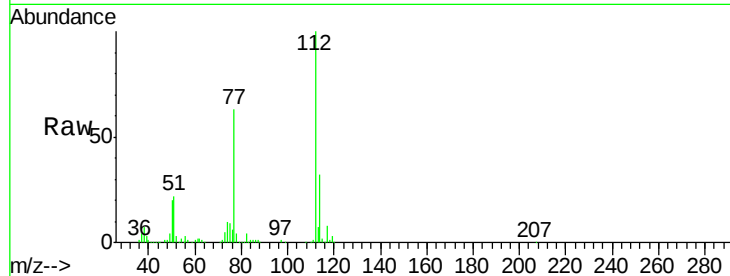




#65
Chlorobenzene
Concen: 50.001 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

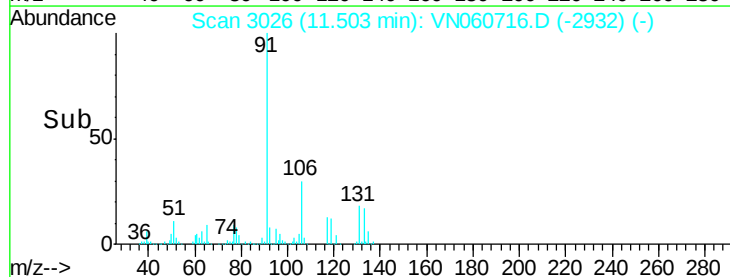
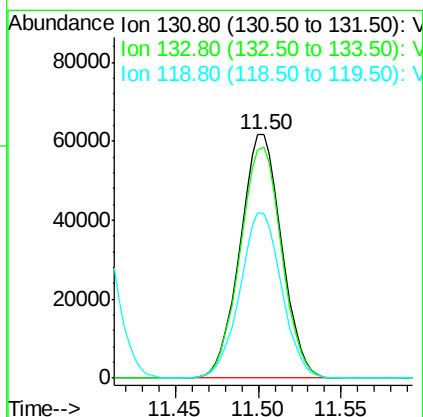
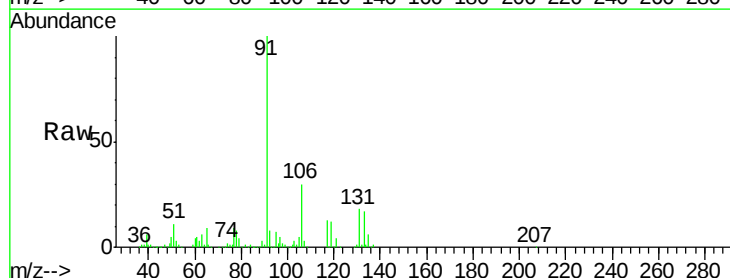
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 293993
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.521 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion:131 Resp: 107551
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.8
119 67.6 33.9 101.7





#67

Ethyl Benzene

Concen: 50.717 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

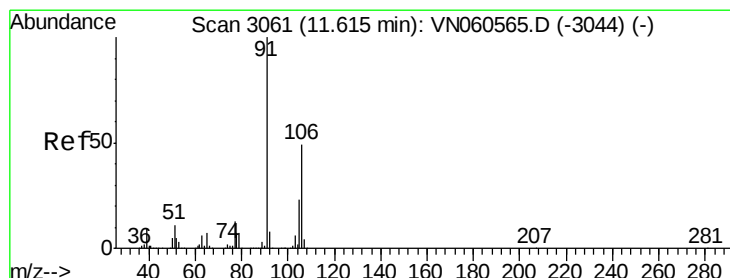
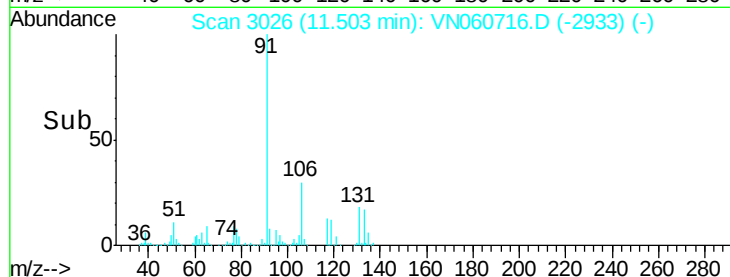
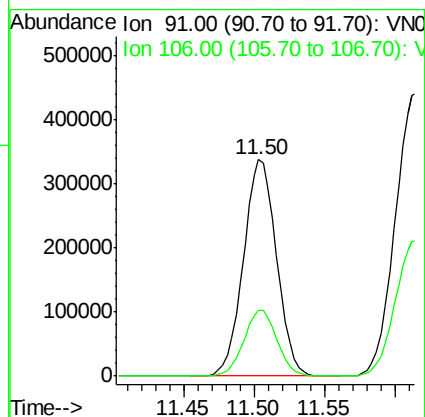
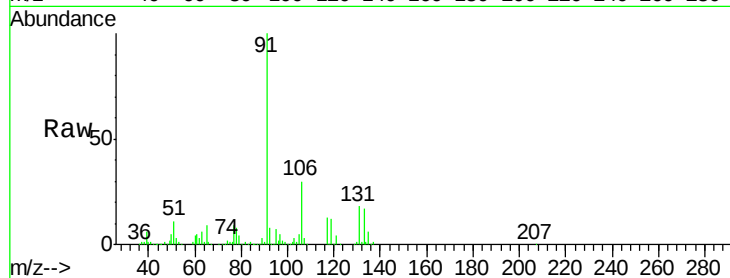
VSTDCCC050

Tgt Ion: 91 Resp: 554555

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



#68

m/p-Xylenes

Concen: 100.029 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060716.D

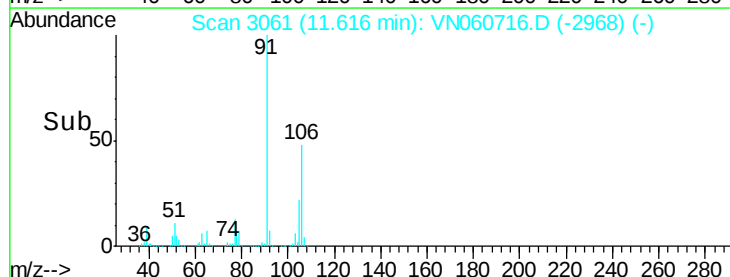
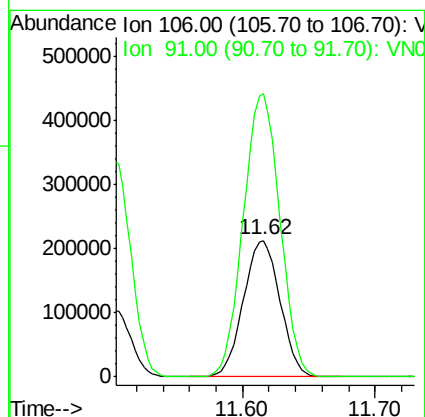
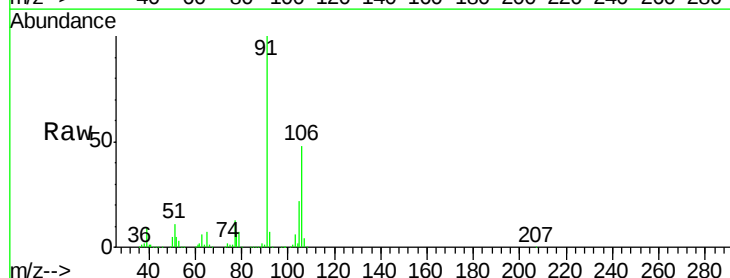
Acq: 26 Mar 2020 15:49

Tgt Ion: 106 Resp: 406442

Ion Ratio Lower Upper

106 100

91 208.1 165.0 247.4

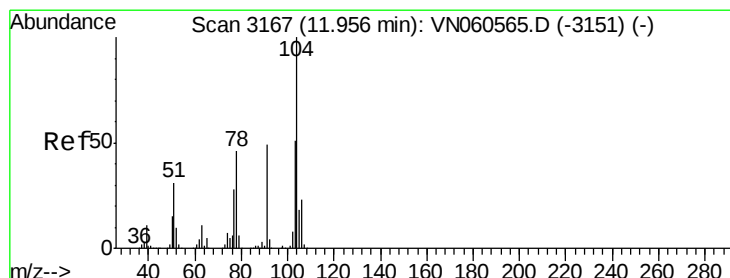
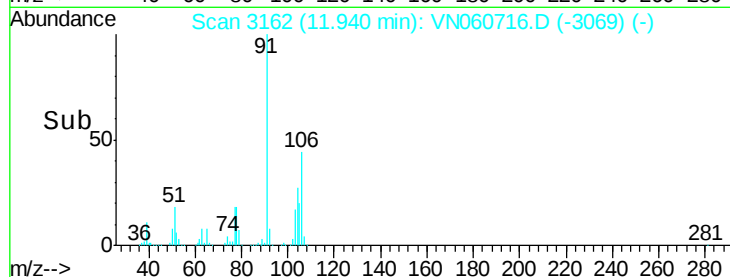
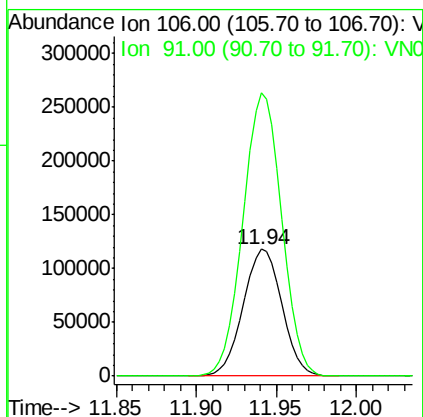
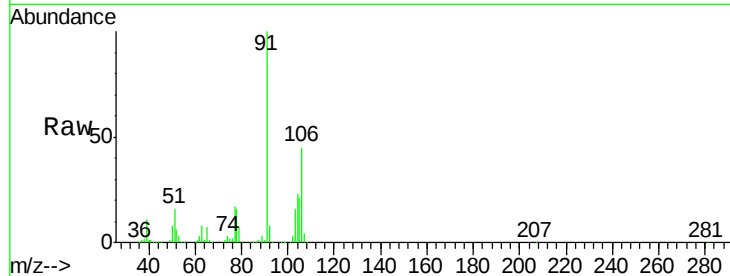




#69
o-Xylene
Concen: 50.239 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

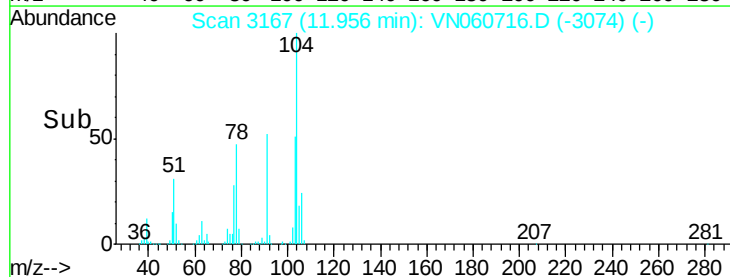
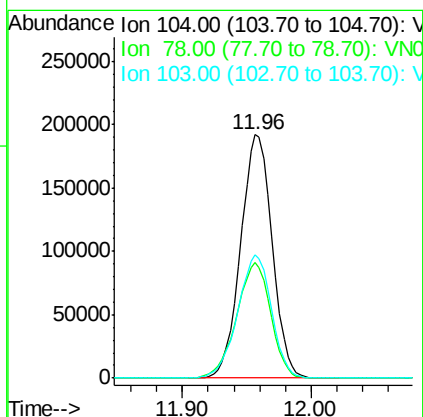
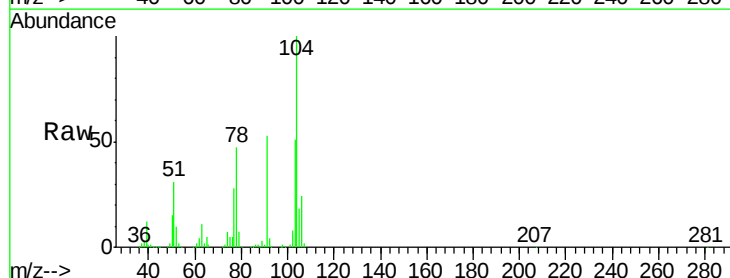
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

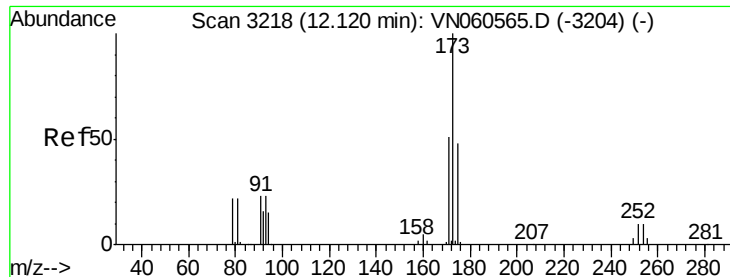
Tgt Ion:106 Resp: 194868
Ion Ratio Lower Upper
106 100
91 222.6 109.5 328.4



#70
Styrene
Concen: 51.579 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion:104 Resp: 327206
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 54.2 44.0 66.0

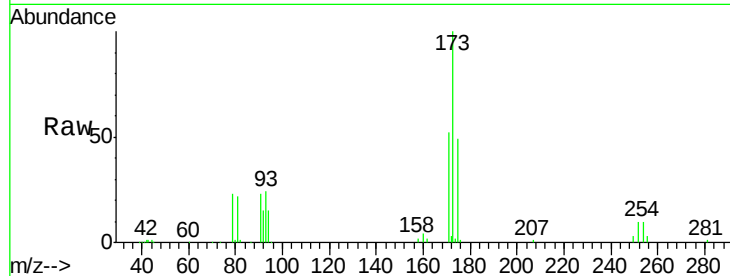




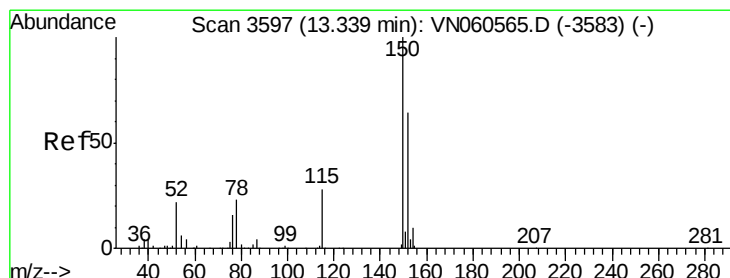
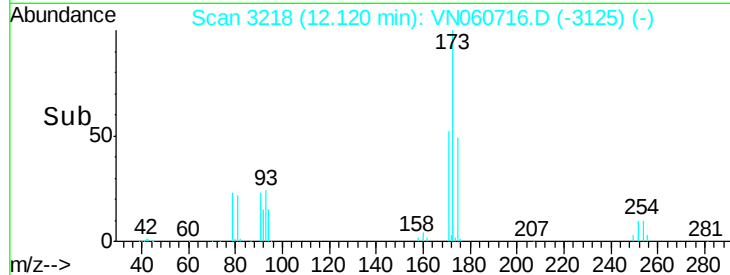
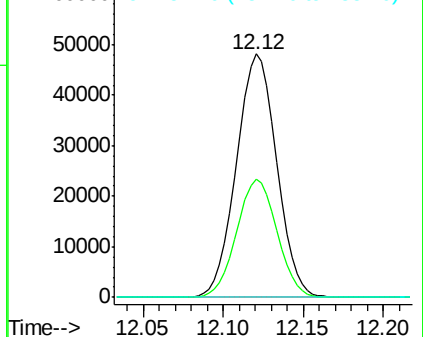
#71
Bromoform
Concen: 46.790 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 82590
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 0.0 0.0 0.0

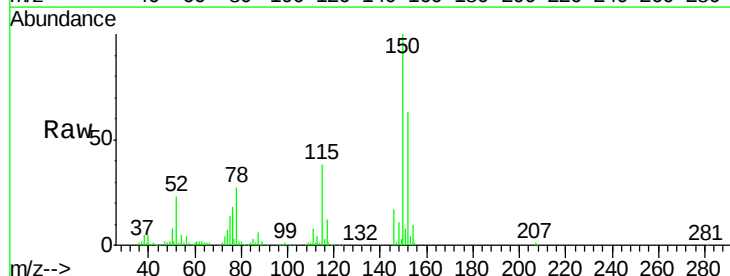


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

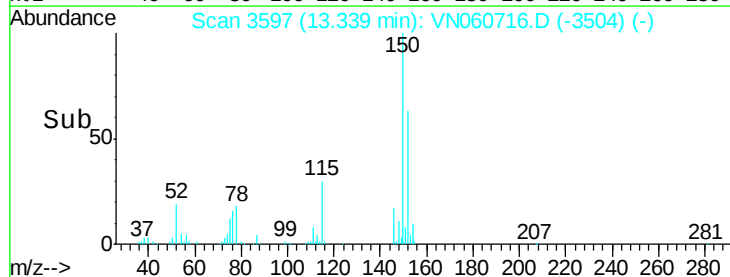
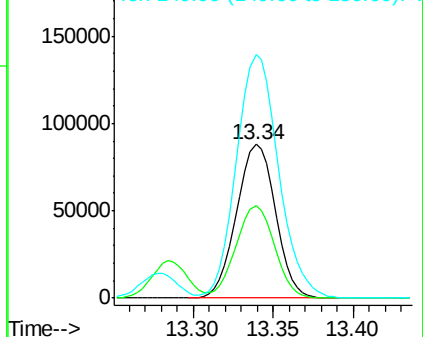


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion:152 Resp: 145786
Ion Ratio Lower Upper
152 100
115 59.7 30.2 90.6
150 172.0 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.311 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

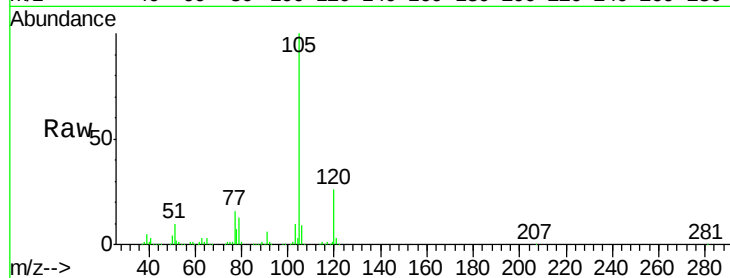
VSTDCCC050

Tgt Ion: 105 Resp: 528558

Ion Ratio Lower Upper

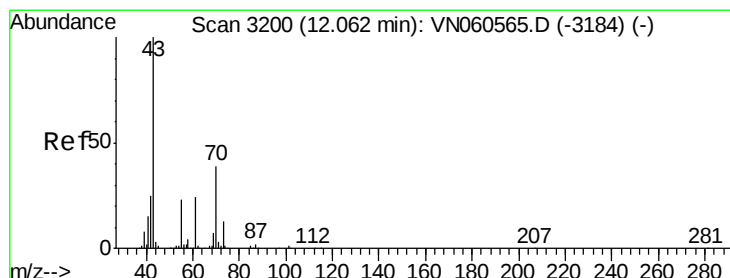
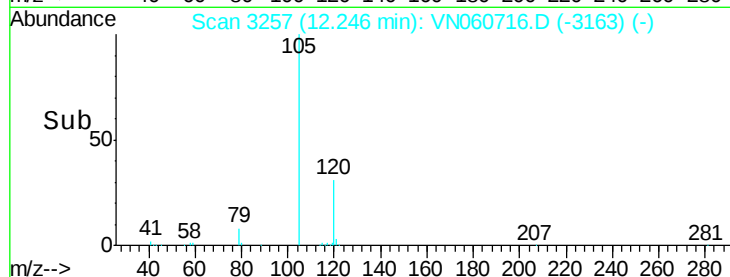
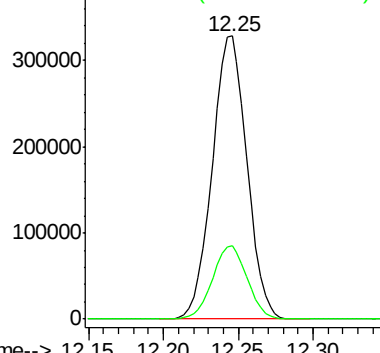
105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.864 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion: 43 Resp: 241978

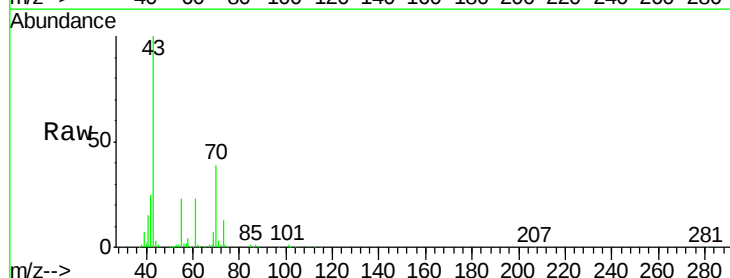
Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.5 18.6 27.8

61 23.0 18.9 28.3

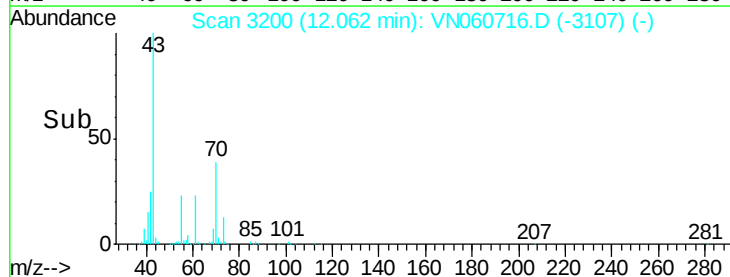
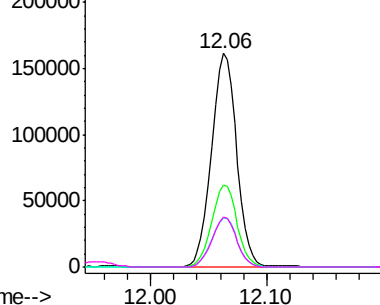


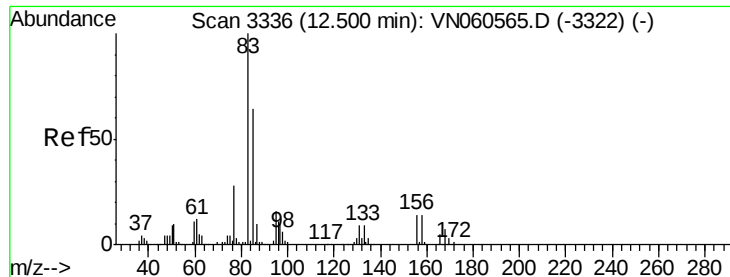
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.727 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

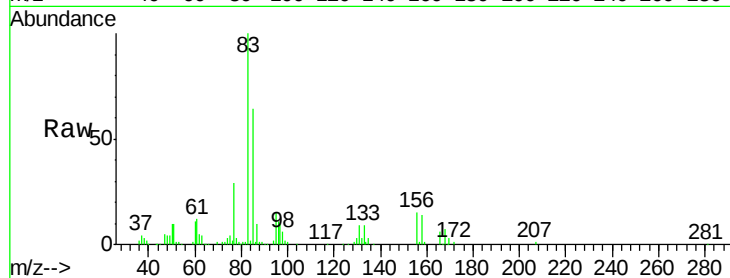
Tgt Ion: 83 Resp: 157908

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

85 64.6 32.5 97.4

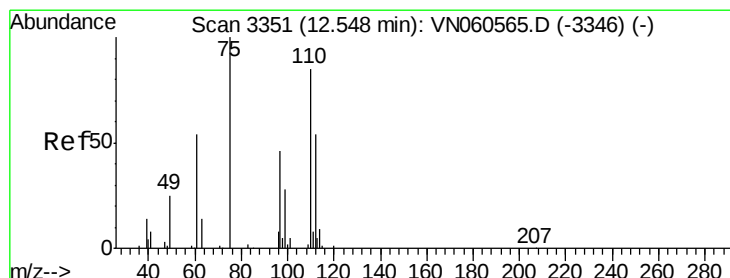
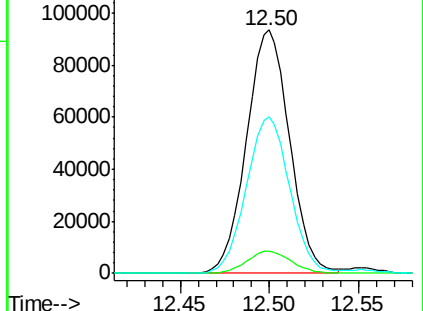
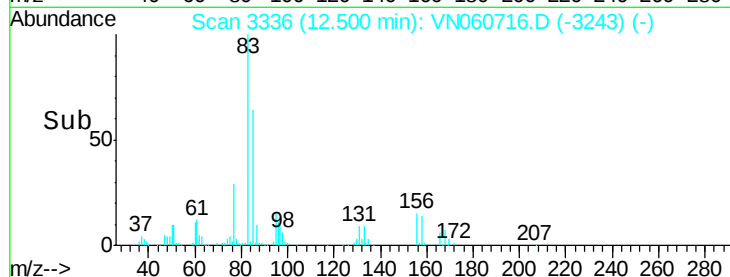


Abundance Ion 82.90 (82.60 to 83.60): VN060716.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060716.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060716.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.940 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060716.D

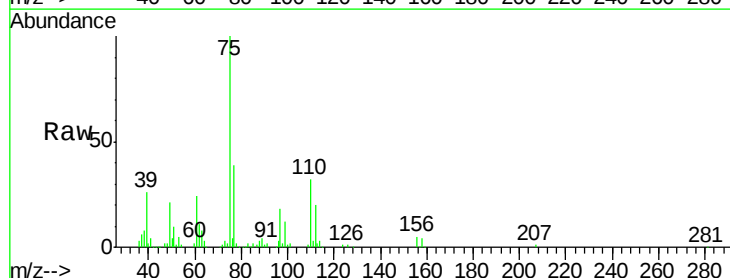
Acq: 26 Mar 2020 15:49

Tgt Ion: 75 Resp: 213722

Ion Ratio Lower Upper

75 100

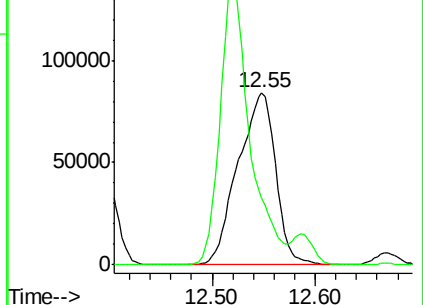
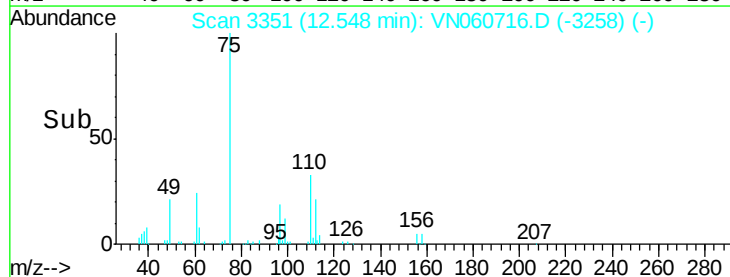
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060716.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060716.D (-3258) (-)

Time-->





#77

Bromobenzene

Concen: 47.410 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

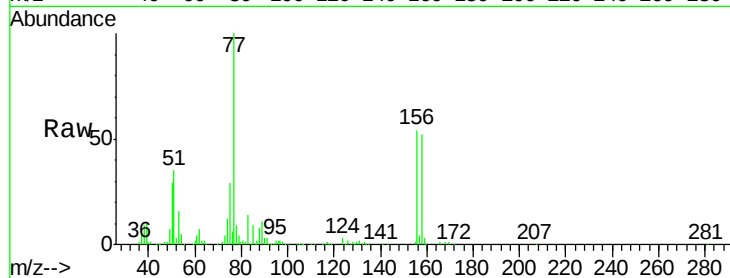
Tgt Ion:156 Resp: 124989

Ion Ratio Lower Upper

156 100

77 221.4 112.3 337.0

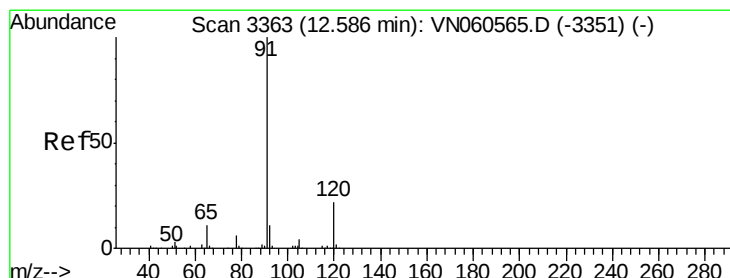
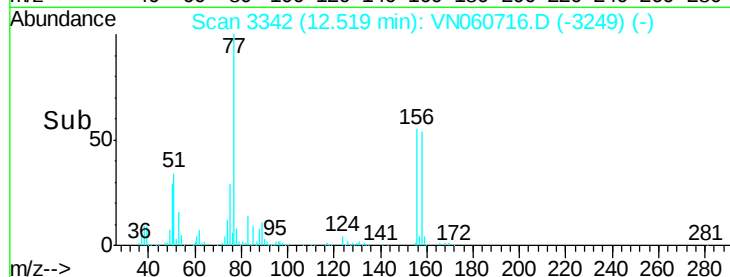
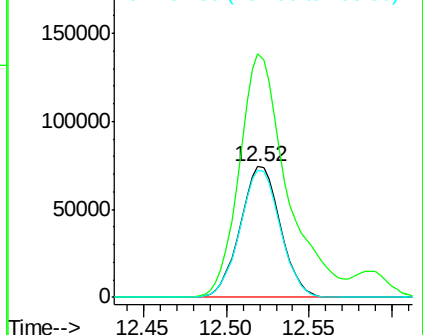
158 97.5 48.6 145.8



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: 48.295 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060716.D

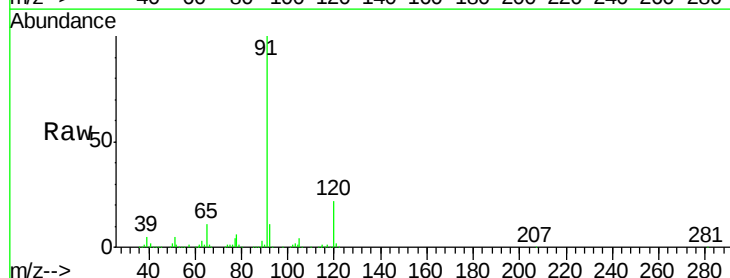
Acq: 26 Mar 2020 15:49

Tgt Ion: 91 Resp: 624253

Ion Ratio Lower Upper

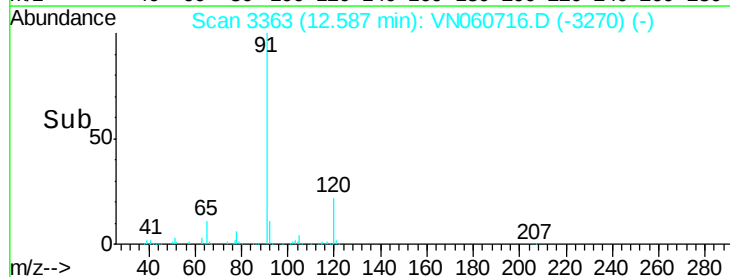
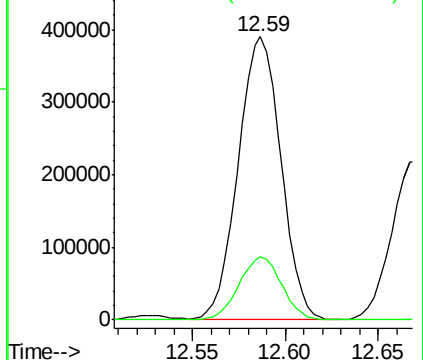
91 100

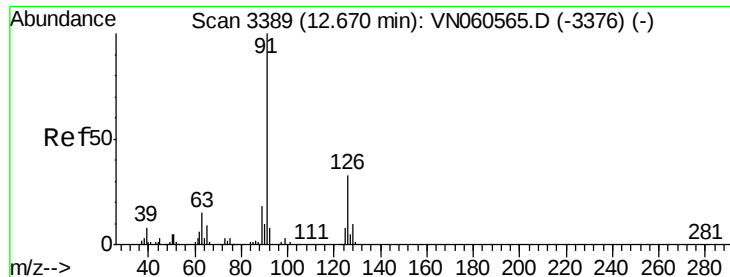
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

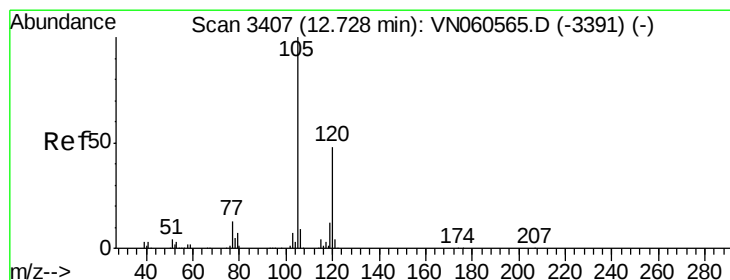
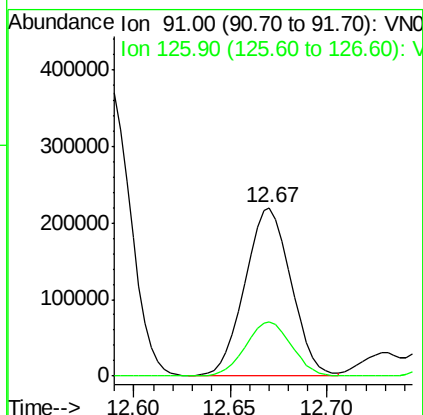
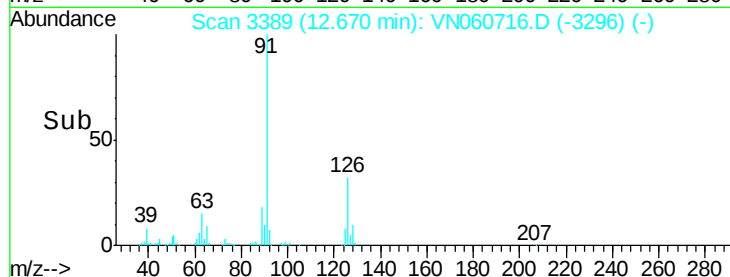
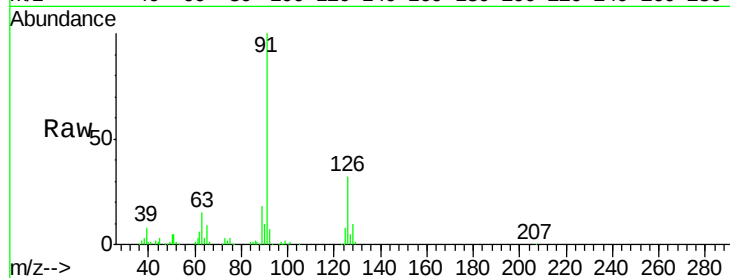




#79
 2-Chlorotoluene
 Concen: 47.260 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

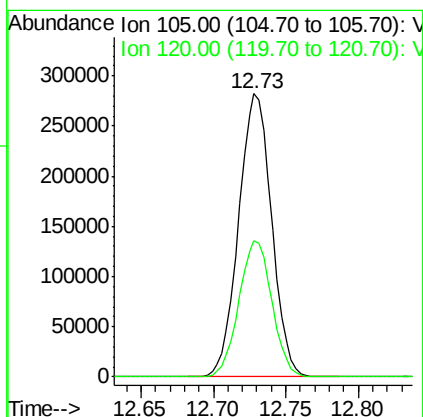
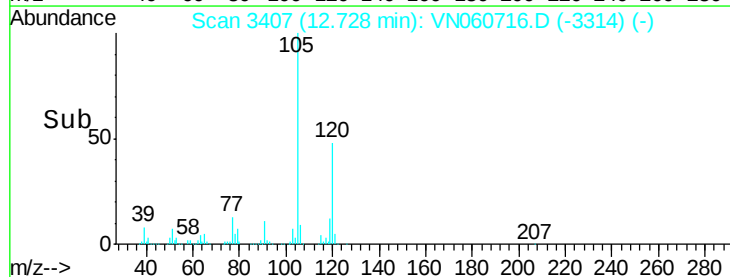
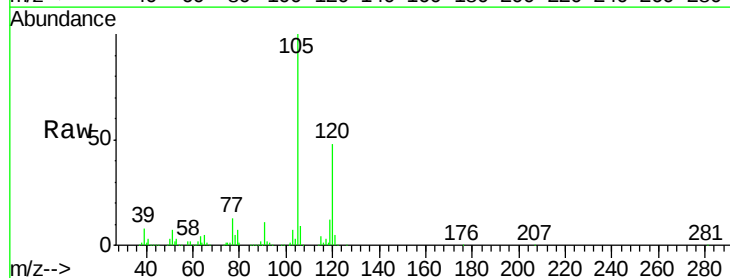
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 364994
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.027 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion: 105 Resp: 445903
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.554 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

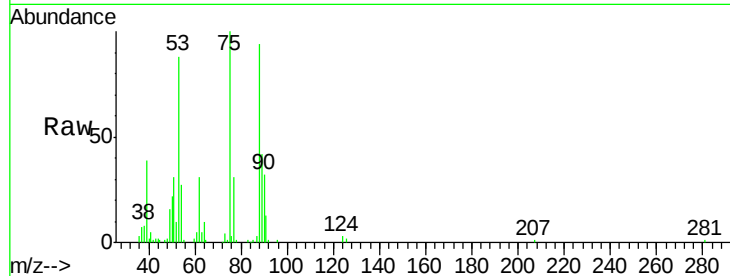
Tgt Ion: 75 Resp: 58246

Ion Ratio Lower Upper

75 100

53 89.9 73.0 109.4

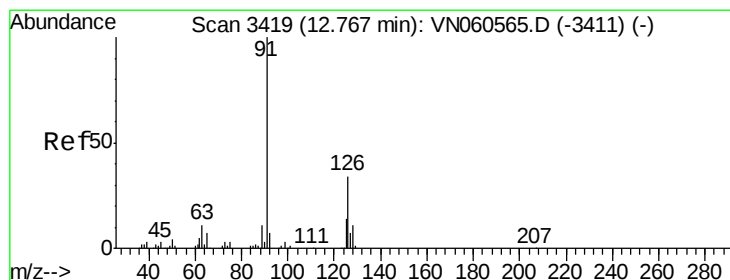
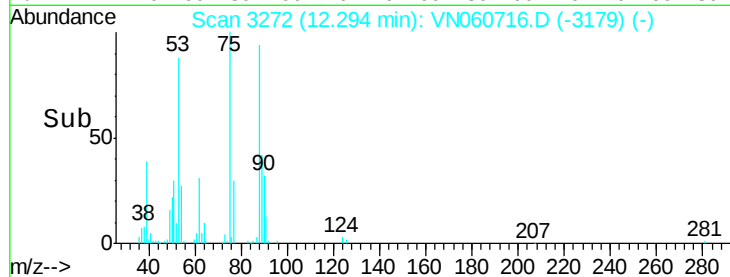
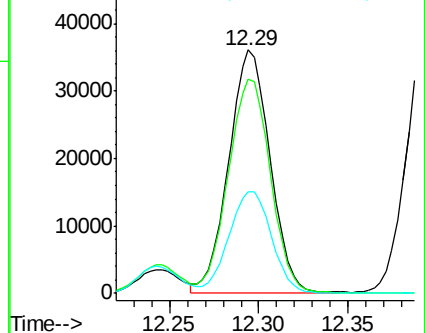
89 43.2 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN060716.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060716.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060716.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 48.204 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060716.D

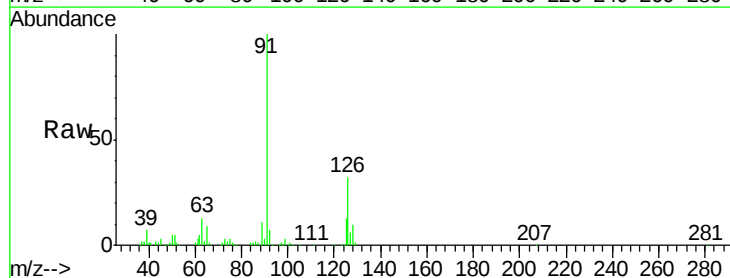
Acq: 26 Mar 2020 15:49

Tgt Ion: 91 Resp: 379163

Ion Ratio Lower Upper

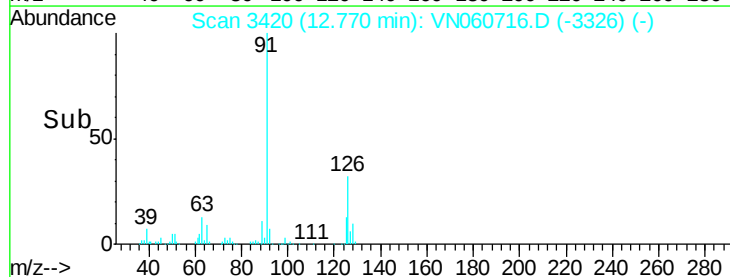
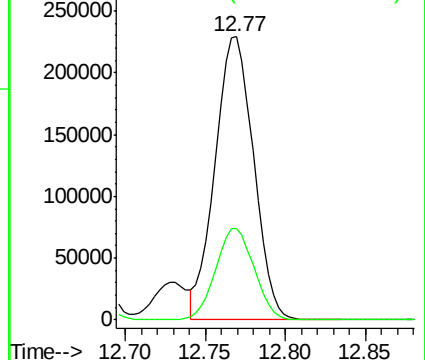
91 100

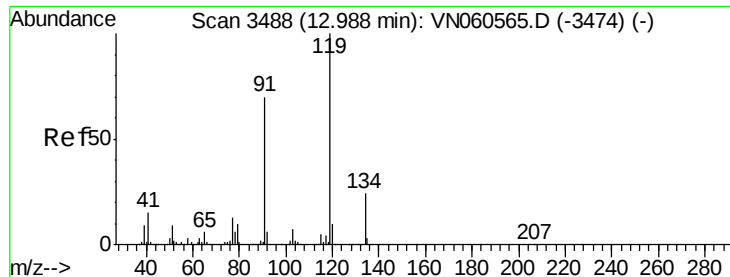
126 32.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN060716.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN060716.D (-3326) (-)

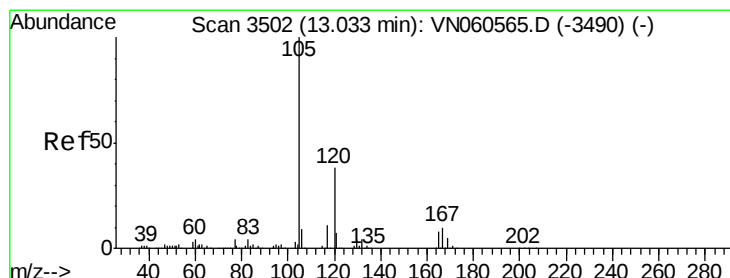
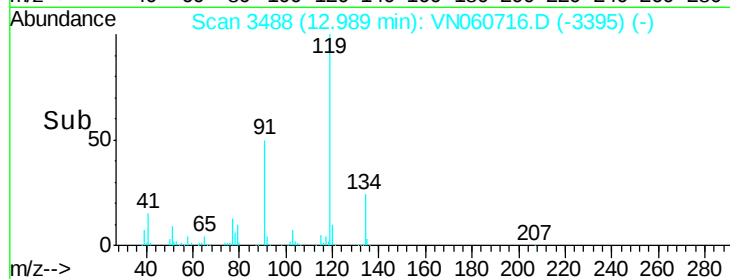
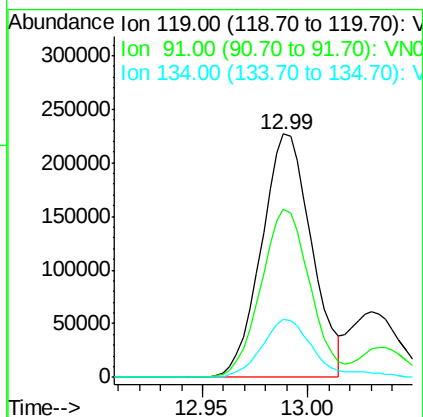
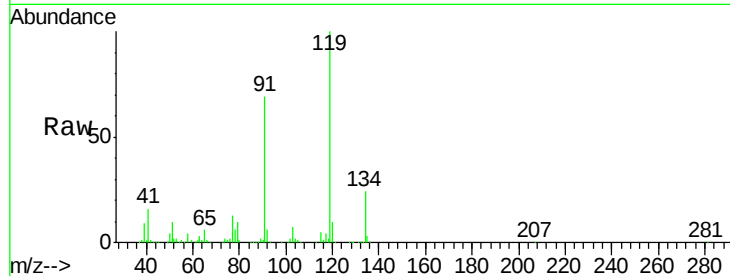




#83
 tert-Butylbenzene
 Concen: 48.617 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

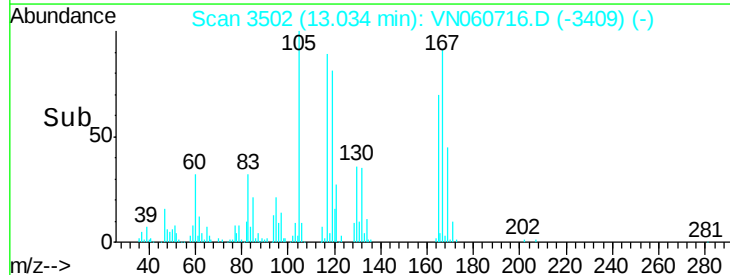
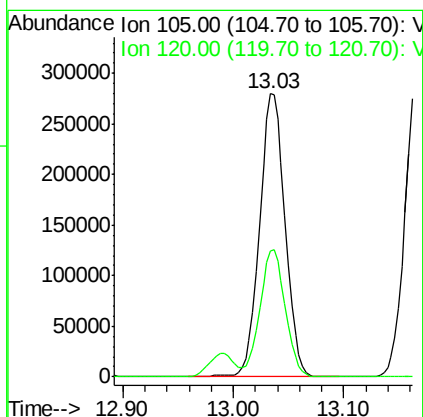
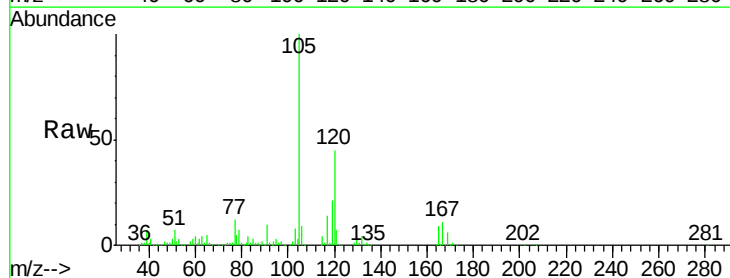
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 374186
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.0 101.8
 134 25.0 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 48.700 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion:105 Resp: 447323
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5

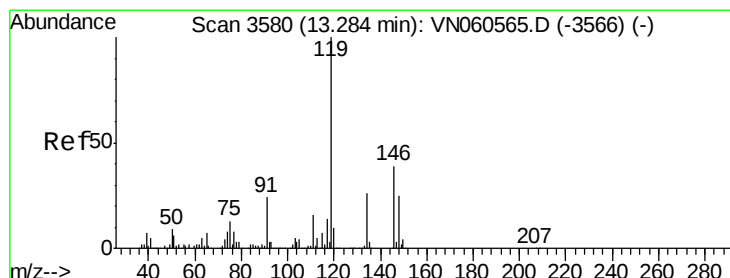
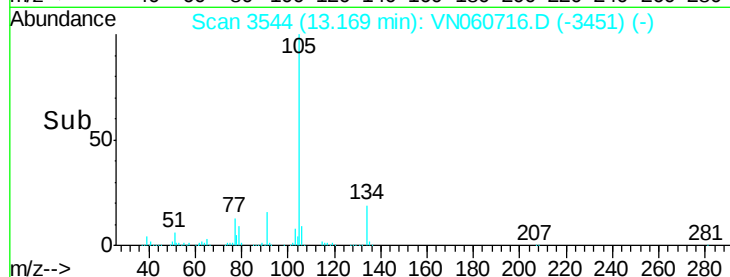
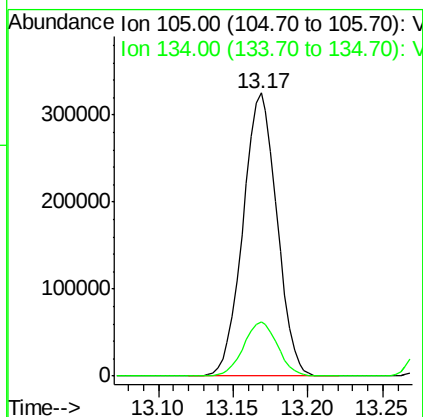
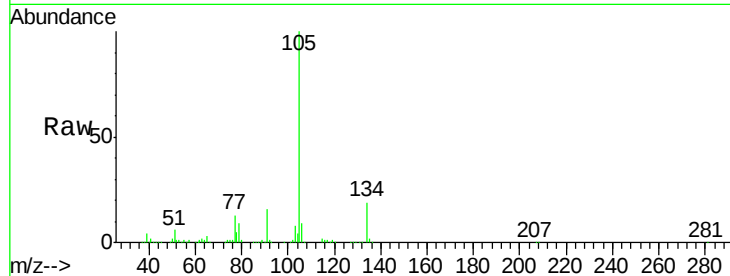




#85
 sec-Butylbenzene
 Concen: 49.585 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

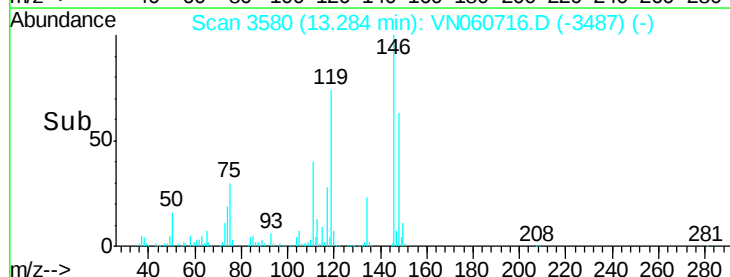
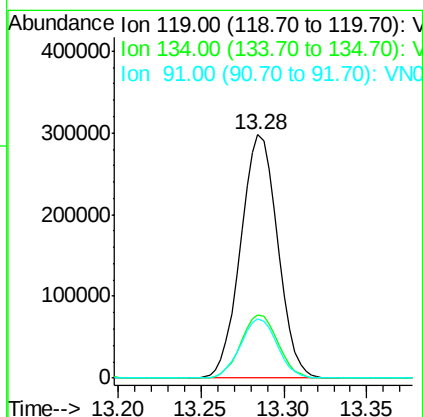
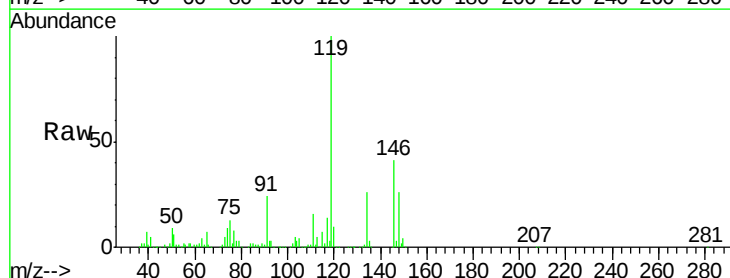
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 513186
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 49.678 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion:119 Resp: 462341
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 24.4 12.0 36.0

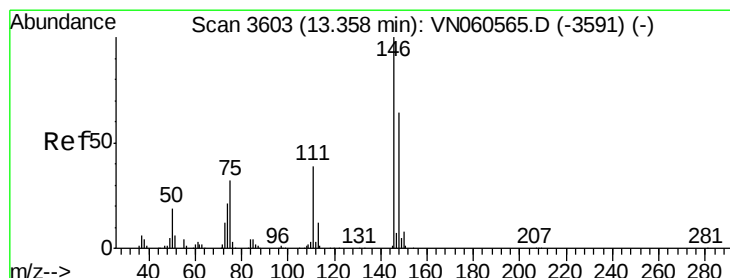
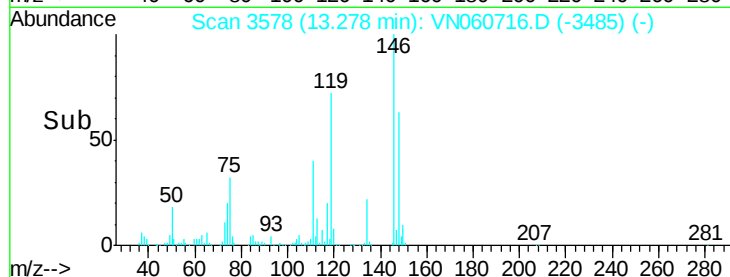
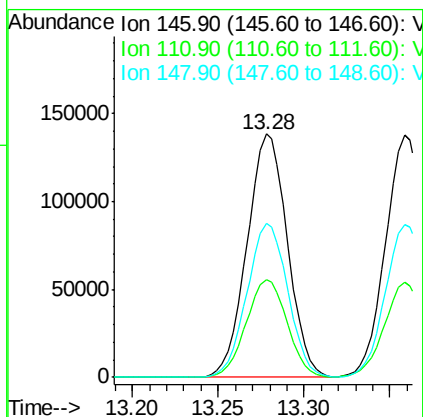
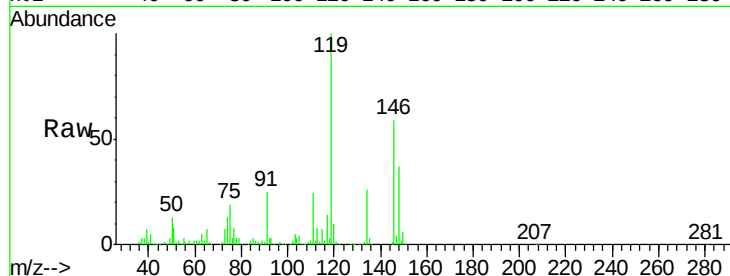




#87
 1,3-Dichlorobenzene
 Concen: 48.504 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

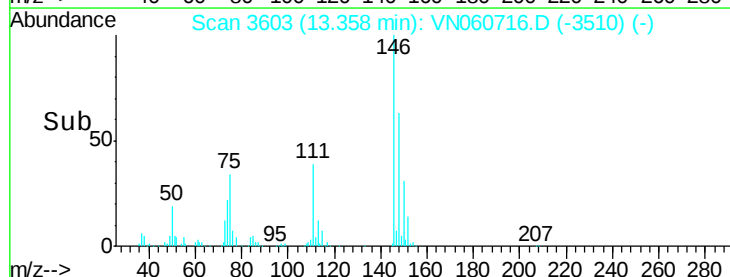
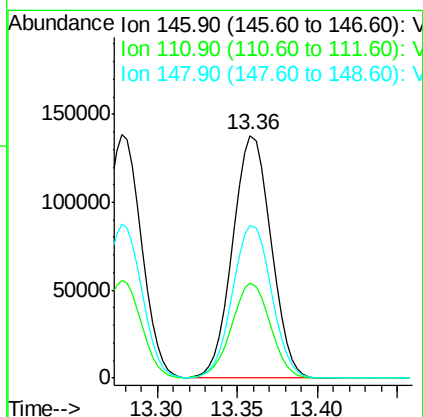
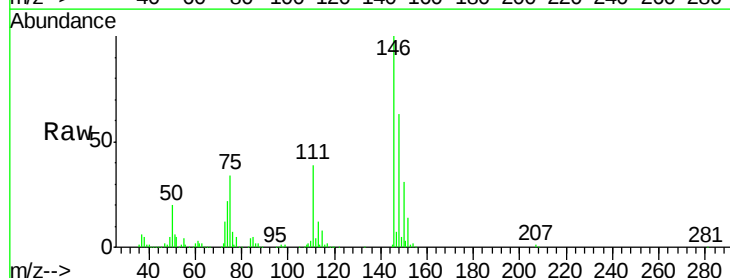
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

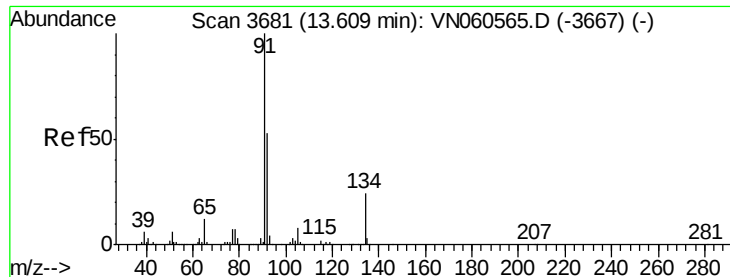
Tgt Ion:146 Resp: 225527
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.8
 148 63.9 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 48.394 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion:146 Resp: 226072
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.6 58.7
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 50.903 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

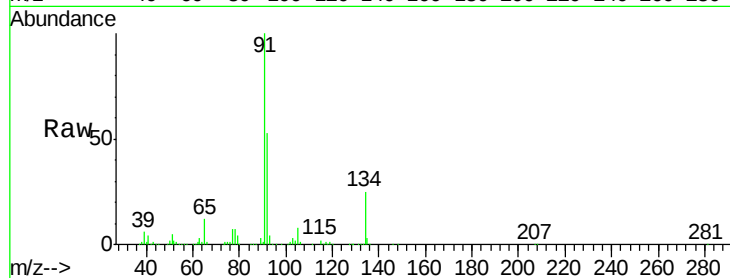
Tgt Ion: 91 Resp: 427719

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.5

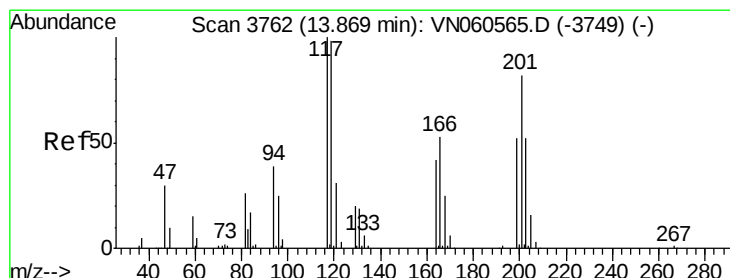
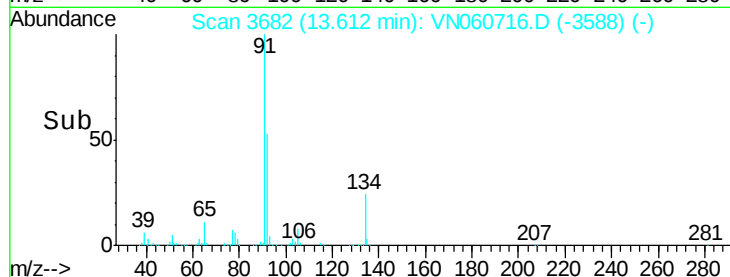
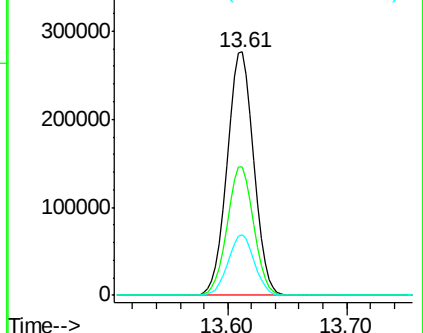
134 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN060716.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060716.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060716.D (-3667) (-)



#90

Hexachloroethane

Concen: 48.837 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060716.D

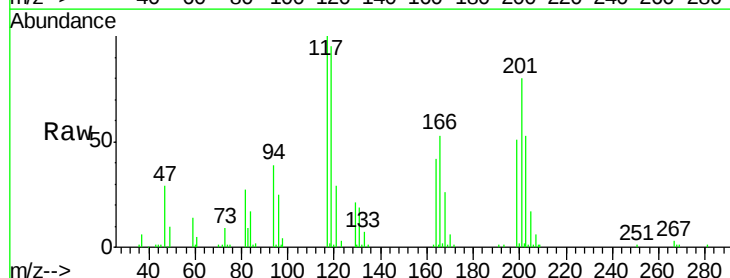
Acq: 26 Mar 2020 15:49

Tgt Ion: 117 Resp: 66067

Ion Ratio Lower Upper

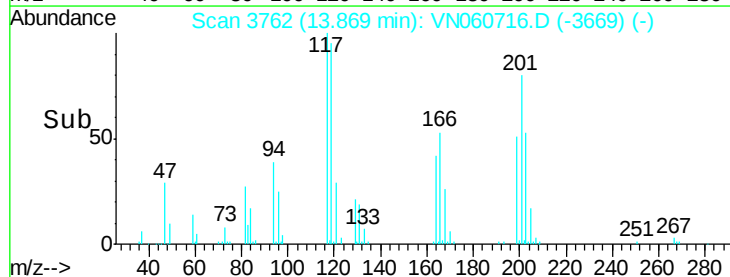
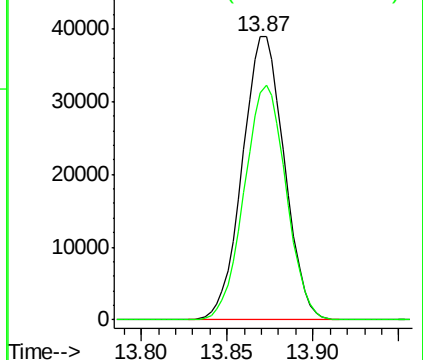
117 100

201 82.6 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060716.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060716.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 49.198 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

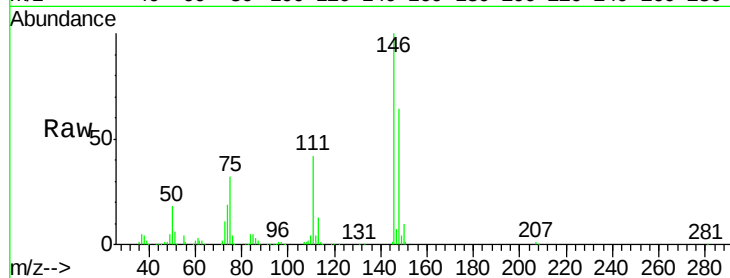
Tgt Ion:146 Resp: 218735

Ion Ratio Lower Upper

146 100

111 42.1 21.0 63.0

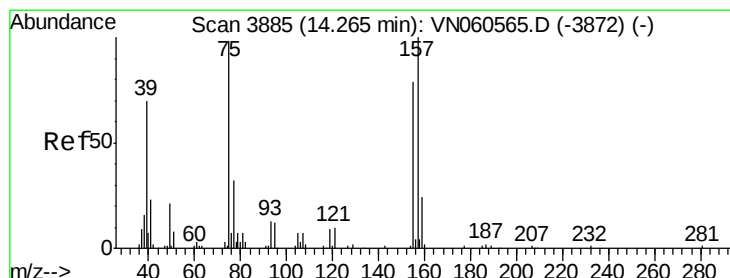
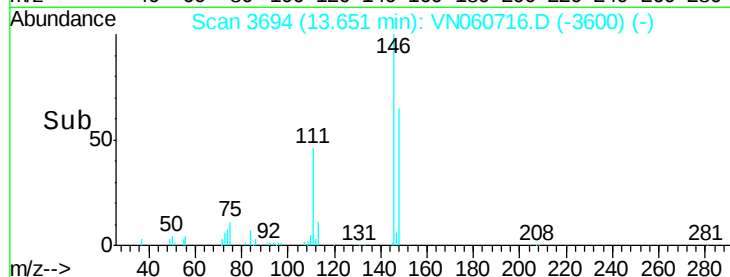
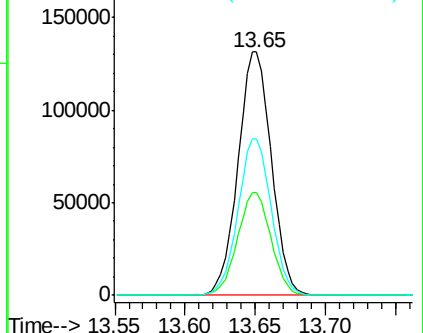
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.099 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

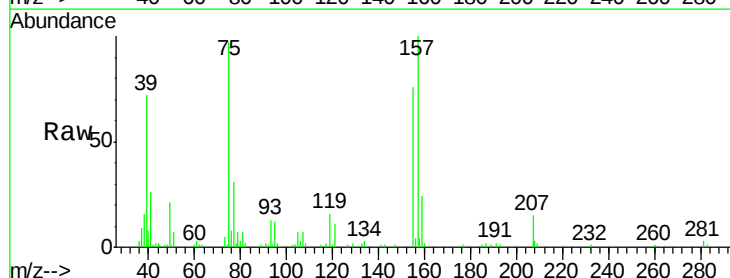
Tgt Ion: 75 Resp: 31271

Ion Ratio Lower Upper

75 100

155 77.6 40.7 122.1

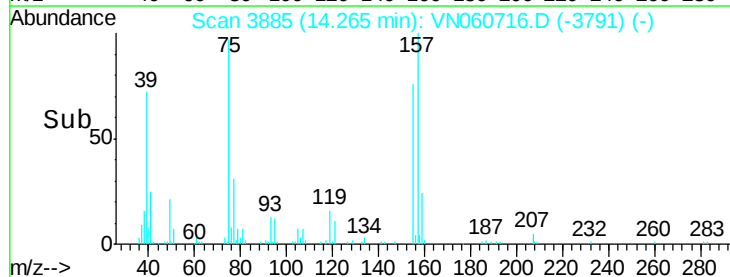
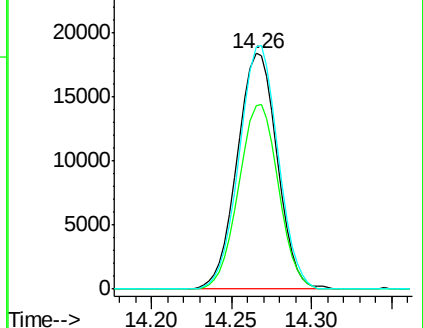
157 100.5 51.5 154.7



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

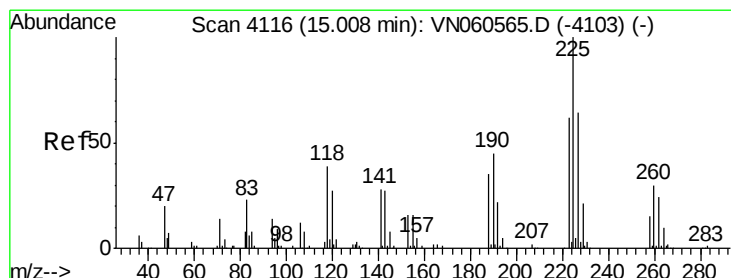
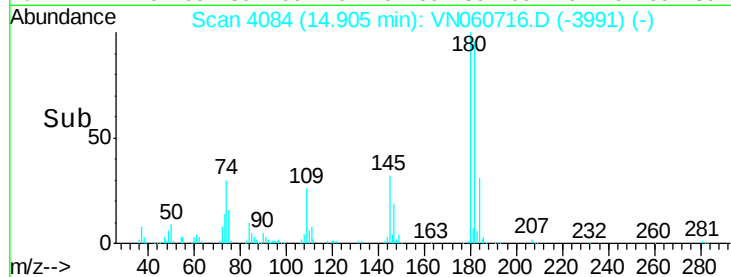
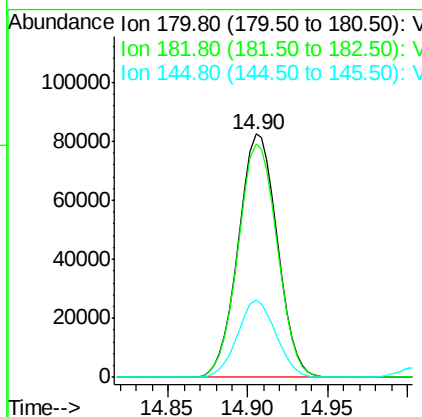
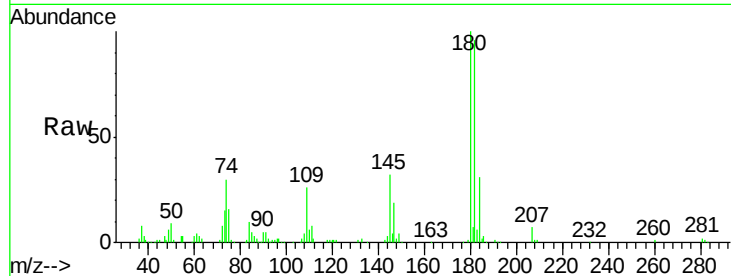




#93
 1,2,4-Trichlorobenzene
 Concen: 50.099 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

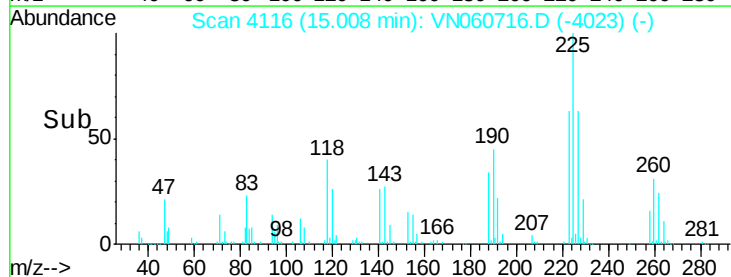
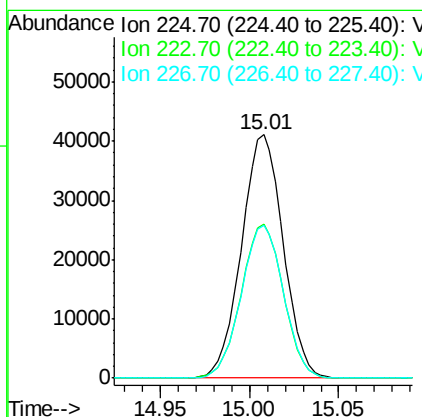
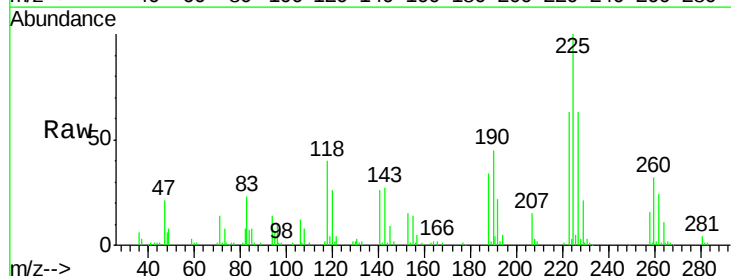
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 136785
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.9 143.8
 145 31.3 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 50.057 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion:225 Resp: 66998
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.6 95.0
 227 63.5 32.3 96.8

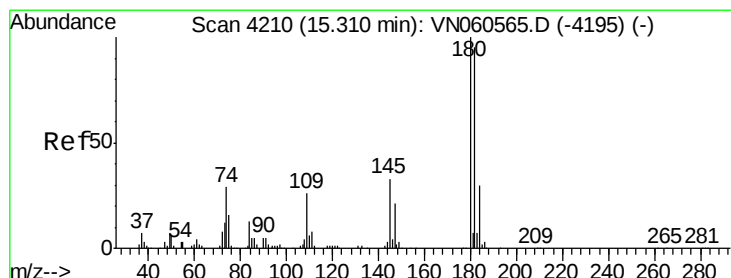
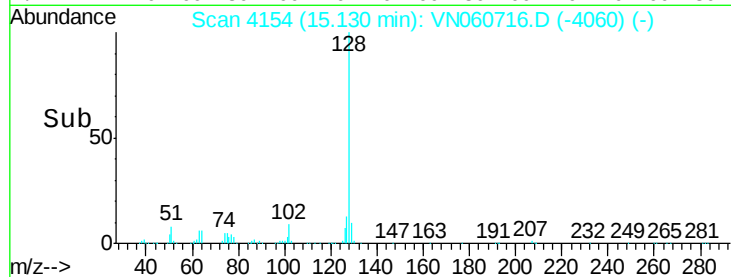
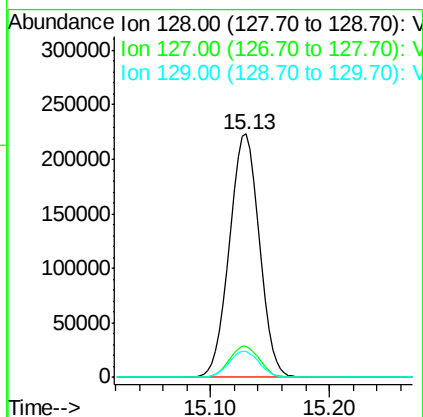
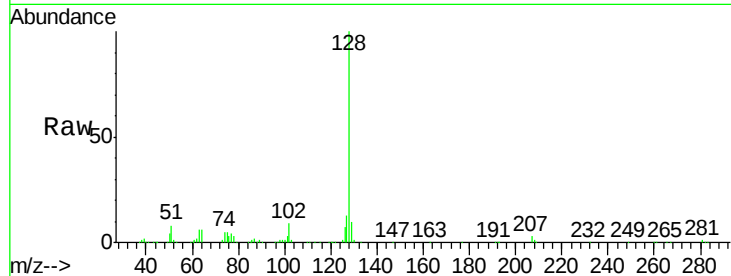




#95
Naphthalene
Concen: 47.497 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 390052
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.561 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion:180 Resp: 130594
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.6
145 32.4 16.3 48.8

