

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058420.D
 Acq On : 30 Sep 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 01 01:28:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	769003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	345253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	327701	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.57	113	238513	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.08	98	938400	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	349248	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239527	47.230	ug/l	98
3) Chloromethane	2.03	50	267193	47.923	ug/l	99
4) Vinyl Chloride	2.17	62	260180	47.636	ug/l	98
5) Bromomethane	2.55	94	145470	50.143	ug/l	99
6) Chloroethane	2.69	64	153847	47.011	ug/l	96
7) Trichlorofluoromethane	3.00	101	318802	48.368	ug/l	97
8) Diethyl Ether	3.39	74	136942	48.154	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217823	48.662	ug/l	98
10) Methyl Iodide	3.93	142	242690	48.896	ug/l	99
11) Tert butyl alcohol	4.75	59	181420	241.615	ug/l	99
12) 1,1-Dichloroethene	3.72	96	208945	47.888	ug/l	99
13) Acrolein	3.58	56	53761	225.111	ug/l	99
14) Allyl chloride	4.30	41	392917	49.484	ug/l	99
15) Acrylonitrile	4.95	53	522936	238.963	ug/l	99
16) Acetone	3.79	43	631993	274.295	ug/l	99
17) Carbon Disulfide	4.03	76	600898	52.246	ug/l	99
18) Methyl Acetate	4.29	43	250737	43.268	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	731203	47.497	ug/l	98
20) Methylene Chloride	4.53	84	250105	47.037	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	236375	48.718	ug/l	99
22) Diisopropyl ether	5.92	45	831361	48.655	ug/l	96
23) Vinyl Acetate	5.87	43	3380859	262.414	ug/l	100
24) 1,1-Dichloroethane	5.82	63	474652	49.359	ug/l	100
25) 2-Butanone	6.81	43	780745	246.805	ug/l	100
26) 2,2-Dichloropropane	6.80	77	402241	50.880	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	275521	48.587	ug/l	99
28) Bromochloromethane	7.17	49	191080	49.710	ug/l	97
29) Tetrahydrofuran	7.19	42	461482	229.846	ug/l	99
30) Chloroform	7.35	83	476744	48.924	ug/l	100
31) Cyclohexane	7.63	56	435969	46.607	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	405622	50.689	ug/l	100
36) 1,1-Dichloropropene	7.77	75	367653	49.999	ug/l	100
37) Ethyl Acetate	6.91	43	308448	49.476	ug/l	100
38) Carbon Tetrachloride	7.75	117	341945	51.519	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	442442	51.525	ug/l	99
40) Benzene	8.02	78	1058658	50.087	ug/l	100
41) Methacrylonitrile	7.18	41	442682	154.349	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	404428	49.181	ug/l	99
43) Isopropyl Acetate	8.15	43	542087	46.240	ug/l	99
44) Trichloroethene	8.82	130	262096	50.220	ug/l	96
45) 1,2-Dichloropropane	9.11	63	287743	50.760	ug/l	100
46) Dibromomethane	9.20	93	179325	49.953	ug/l	99
47) Bromodichloromethane	9.39	83	370616	54.489	ug/l	99
48) Methyl methacrylate	9.19	41	254904	47.751	ug/l	98
49) 1,4-Dioxane	9.19	88	82893	1161.323	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1540623	255.839	ug/l	99
52) Toluene	10.15	92	668916	50.280	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	411074	55.527	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	448235	54.544	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248054	51.207	ug/l	99
56) Ethyl methacrylate	10.43	69	381303	51.874	ug/l	99
57) 1,3-Dichloropropane	10.70	76	443242	51.297	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	744374	253.964	ug/l	100
59) 2-Hexanone	10.75	43	1154036	263.190	ug/l	100
60) Dibromochloromethane	10.90	129	260950	52.042	ug/l	97
61) 1,2-Dibromoethane	11.00	107	252065	50.925	ug/l	99
64) Tetrachloroethene	10.63	164	218259	48.869	ug/l	98
65) Chlorobenzene	11.43	112	695689	49.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	249386	52.971	ug/l	99
67) Ethyl Benzene	11.51	91	1301613	51.427	ug/l	99
68) m/p-Xylenes	11.62	106	967180	101.566	ug/l	99
69) o-Xylene	11.95	106	455711	49.713	ug/l	96
70) Styrene	11.97	104	789690	53.027	ug/l	99
71) Bromoform	12.13	173	163894	50.369	ug/l #	99
73) Isopropylbenzene	12.25	105	1273019	49.893	ug/l	100
74) N-amyl acetate	12.07	43	488331	48.109	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	350678	46.479	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	449633	71.302	ug/l #	100
77) Bromobenzene	12.53	156	286353	47.863	ug/l	98
78) n-propylbenzene	12.59	91	1515118	52.708	ug/l	100
79) 2-Chlorotoluene	12.68	91	872733	49.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1093912	51.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	106688	51.383	ug/l	99
82) 4-Chlorotoluene	12.78	91	919559	50.791	ug/l	100
83) tert-Butylbenzene	13.00	119	904165	50.168	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1096734	51.251	ug/l	99
85) sec-Butylbenzene	13.18	105	1244982	52.483	ug/l	99
86) p-Isopropyltoluene	13.29	119	1124629	53.860	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	539694	49.749	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	538530	49.895	ug/l	99
89) n-Butylbenzene	13.62	91	1022446	54.056	ug/l	100
90) Hexachloroethane	13.88	117	179456	57.201	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	517569	49.655	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	66731	50.155	ug/l	97

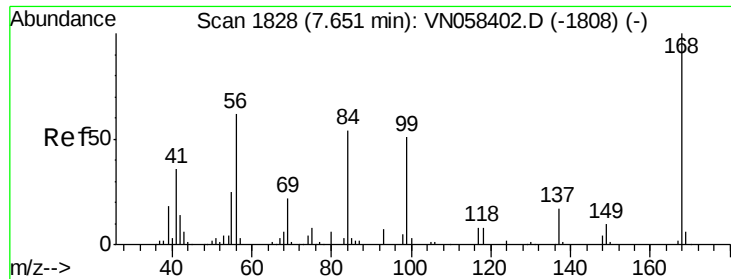
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	317268	55.082	ug/l	100
94) Hexachlorobutadiene	15.02	225	143718	48.545	ug/l	98
95) Naphthalene	15.13	128	815203	48.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	292094	50.582	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

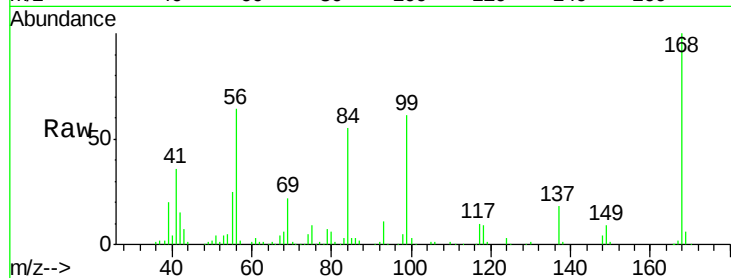
VSTDCCC050

Tot Ion:168 Resp: 462518

Ion Ratio Lower Upper

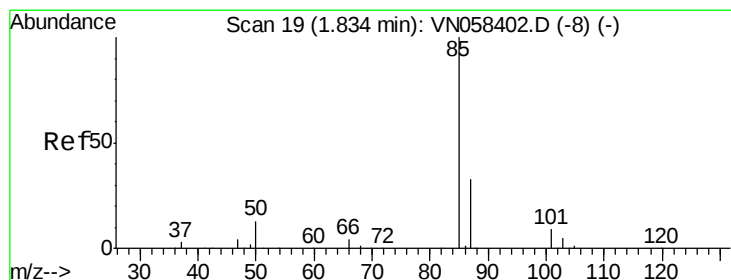
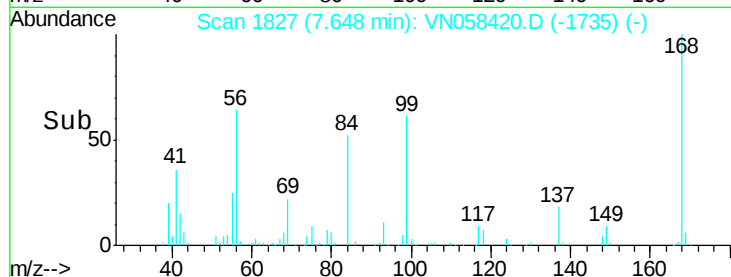
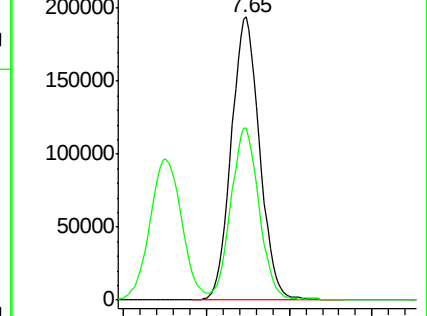
168 100

99 60.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.230 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058420.D

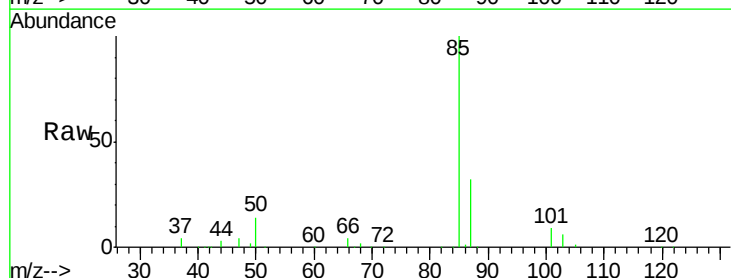
Acq: 30 Sep 2019 9:27

Tgt Ion: 85 Resp: 239527

Ion Ratio Lower Upper

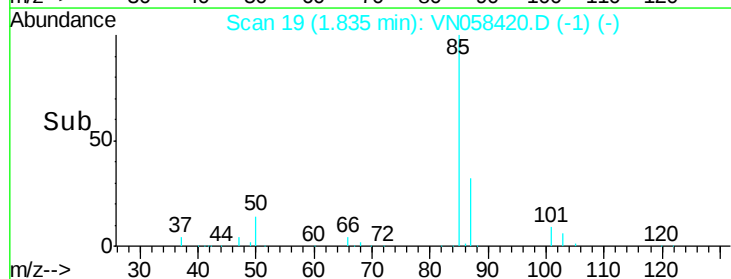
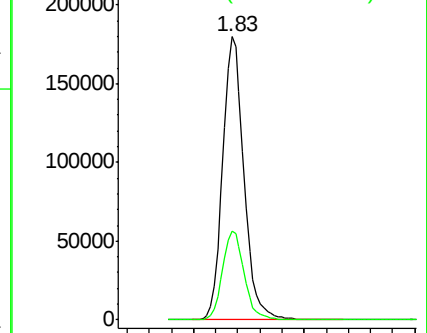
85 100

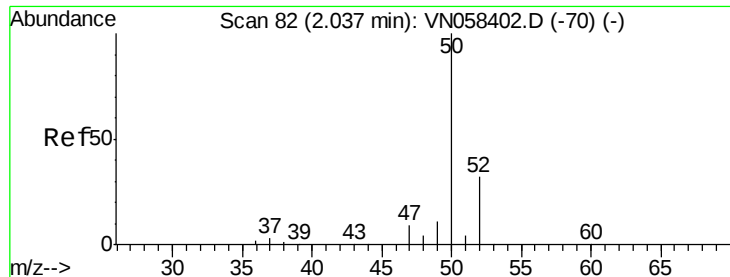
87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.923 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

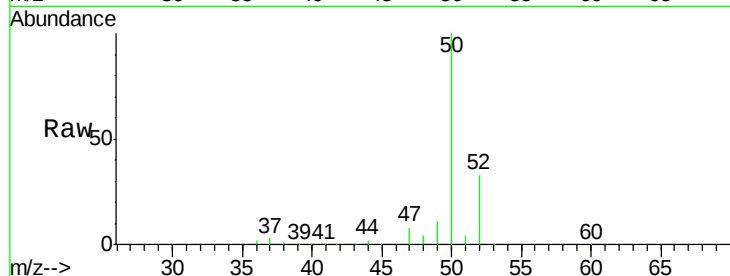
VSTDCCC050

Tot Ion: 50 Resp: 267193

Ion Ratio Lower Upper

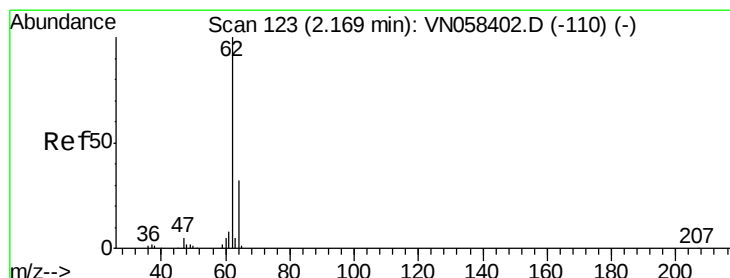
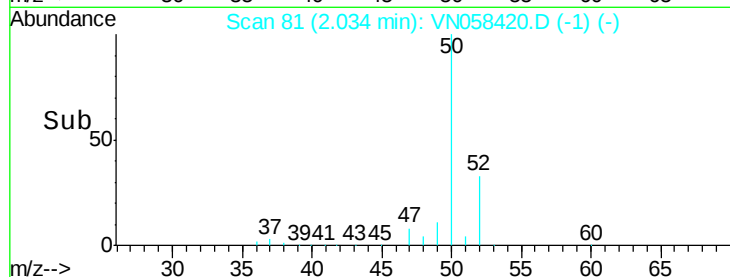
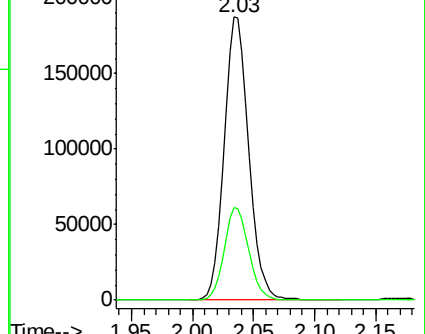
50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.636 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058420.D

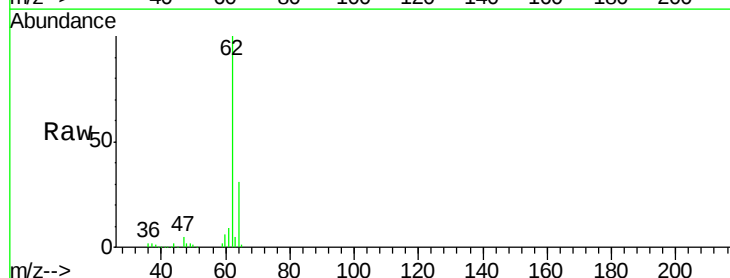
Acq: 30 Sep 2019 9:27

Tgt Ion: 62 Resp: 260180

Ion Ratio Lower Upper

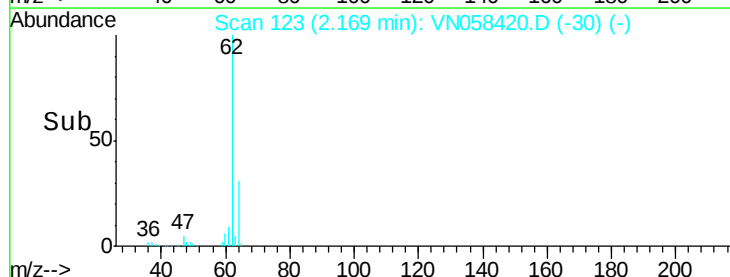
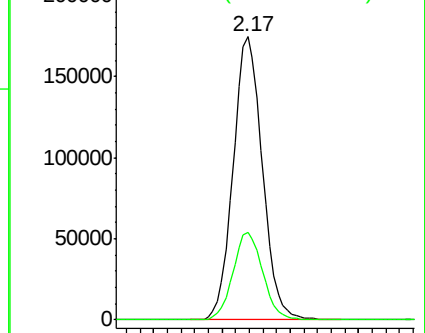
62 100

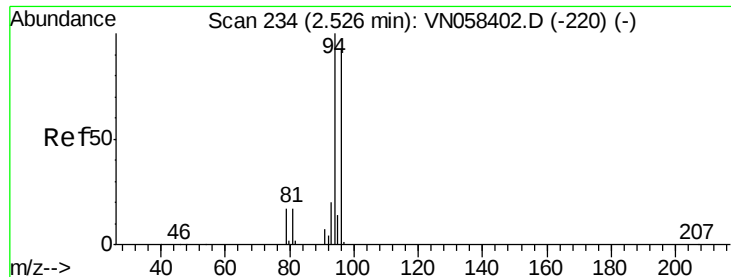
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.143 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

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ClientSampleId :

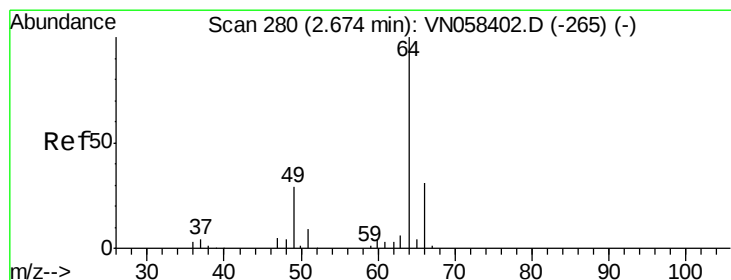
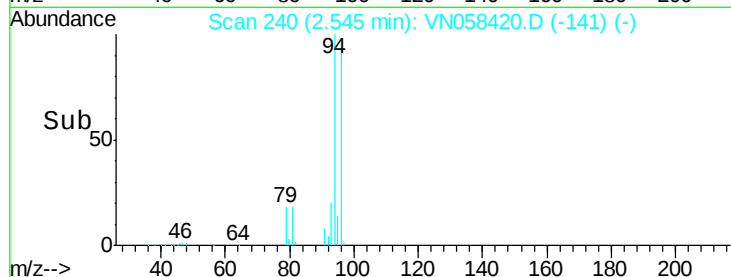
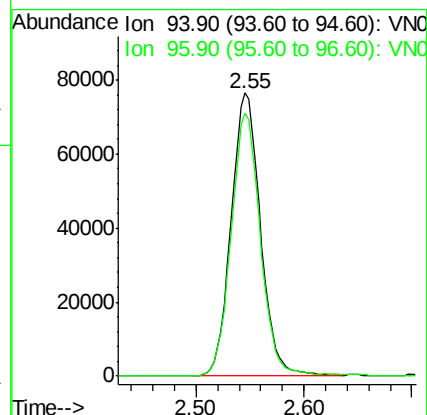
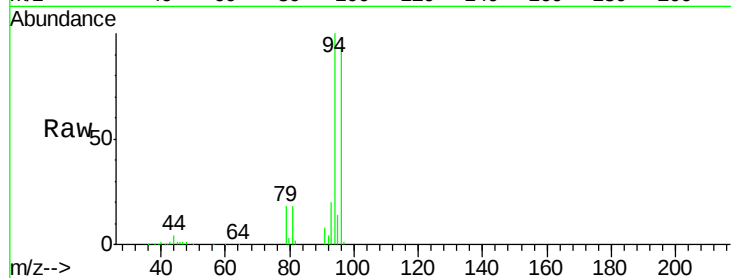
VSTDCCC050

Tot Ion: 94 Resp: 145470

Ion Ratio Lower Upper

94 100

96 92.9 74.8 112.2



#6

Chloroethane

Concen: 47.011 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058420.D

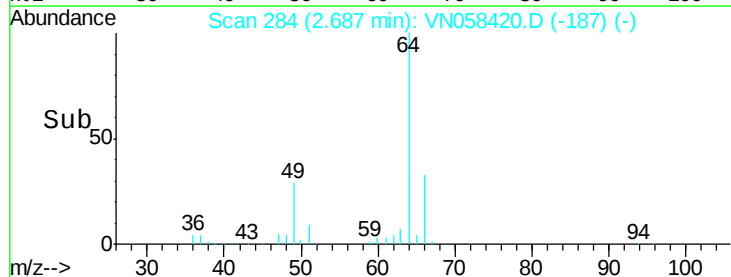
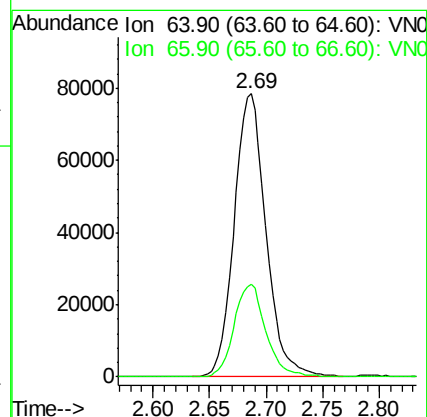
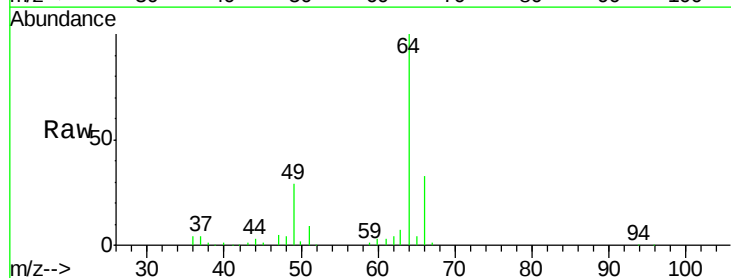
Acq: 30 Sep 2019 9:27

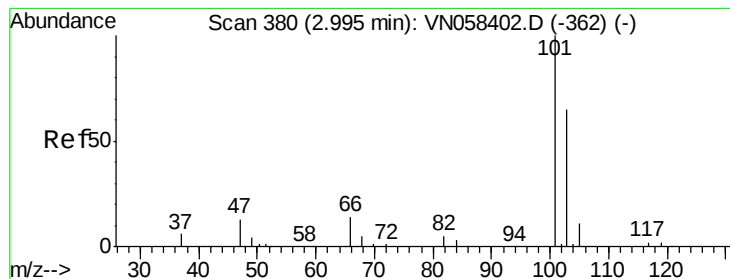
Tgt Ion: 64 Resp: 153847

Ion Ratio Lower Upper

64 100

66 32.9 24.4 36.6



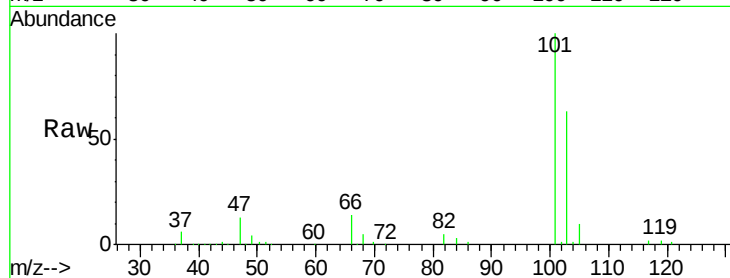


#7

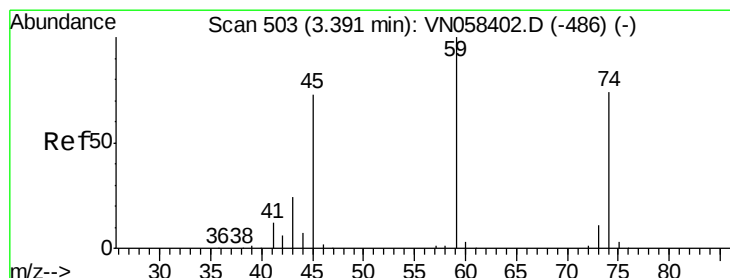
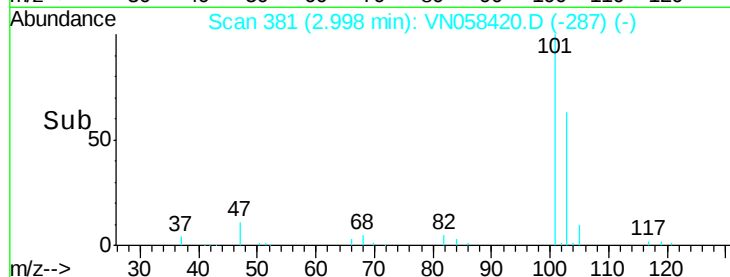
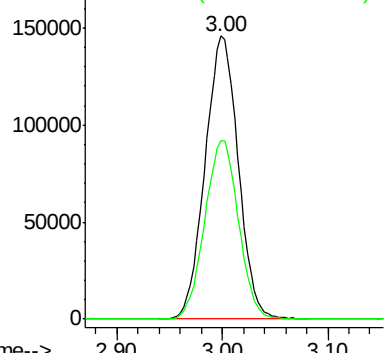
Trichlorofluoromethane
 Concen: 48.368 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 318802
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.3 78.5



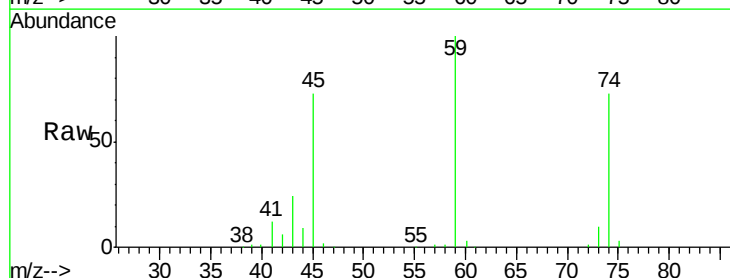
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



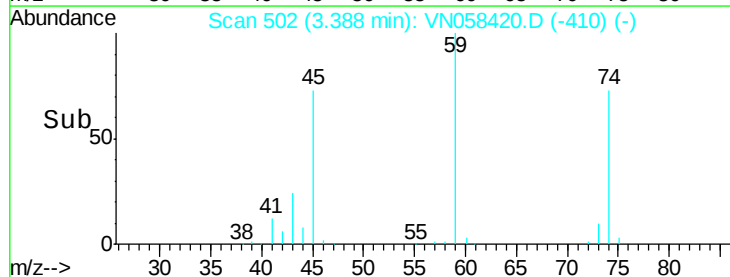
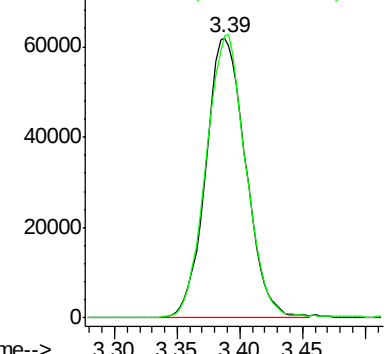
#8

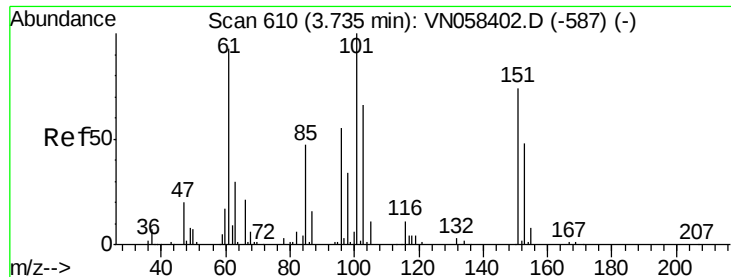
Diethyl Ether
 Concen: 48.154 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 74 Resp: 136942
 Ion Ratio Lower Upper
 74 100
 45 100.5 50.5 151.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.662 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

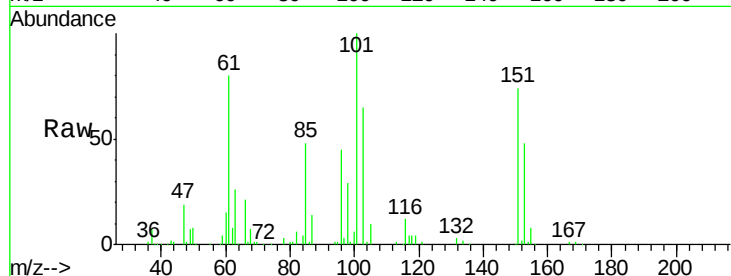
Tot Ion:101 Resp: 217823

Ion Ratio Lower Upper

101 100

85 47.9 36.7 55.1

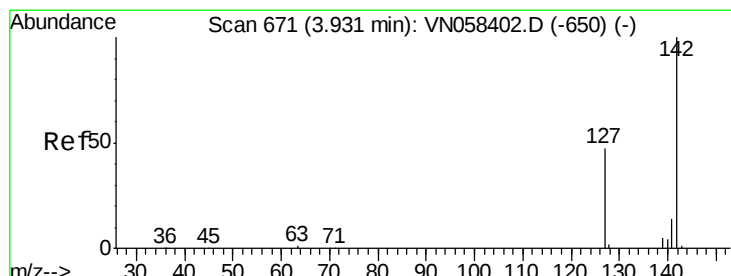
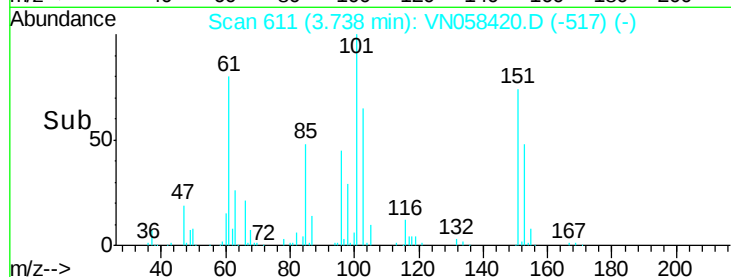
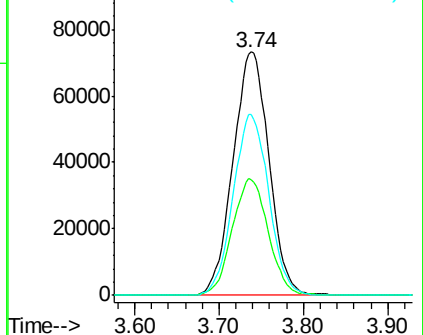
151 73.3 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.896 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

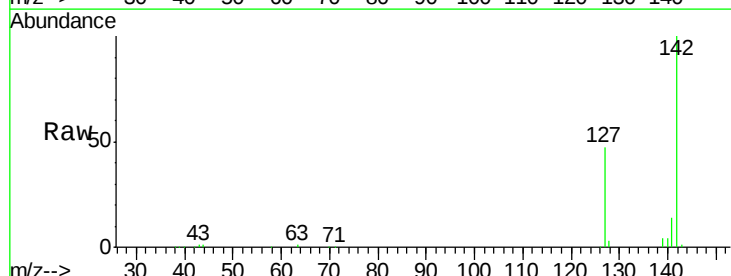
Tgt Ion:142 Resp: 242690

Ion Ratio Lower Upper

142 100

127 45.5 37.2 55.8

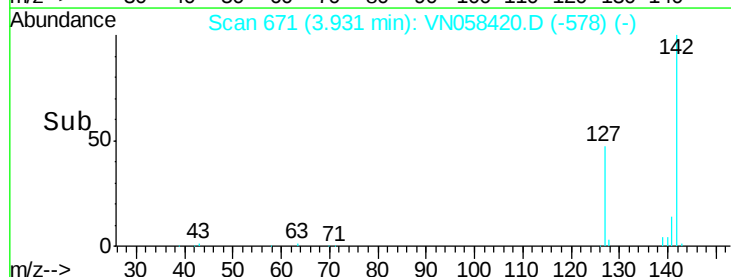
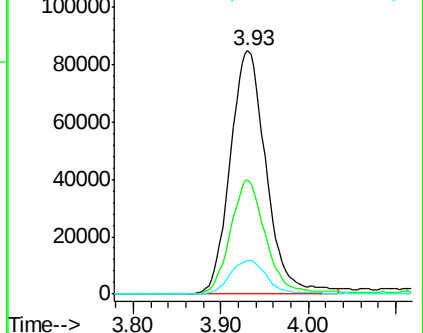
141 14.3 11.3 16.9

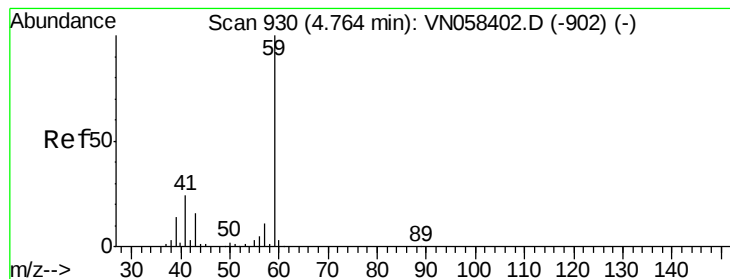


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



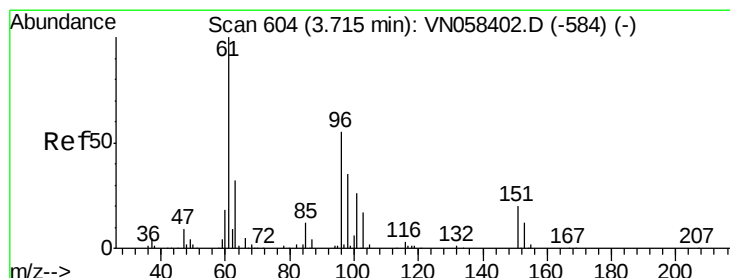
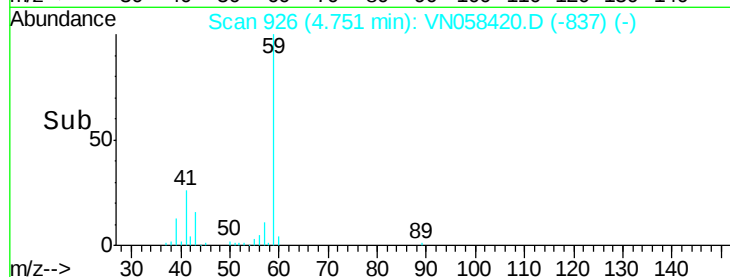
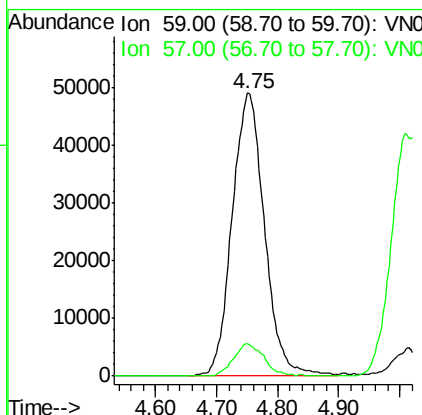
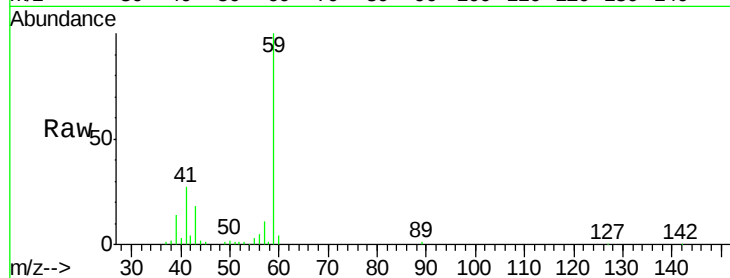


#11

Tert butyl alcohol
 Concen: 241.615 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

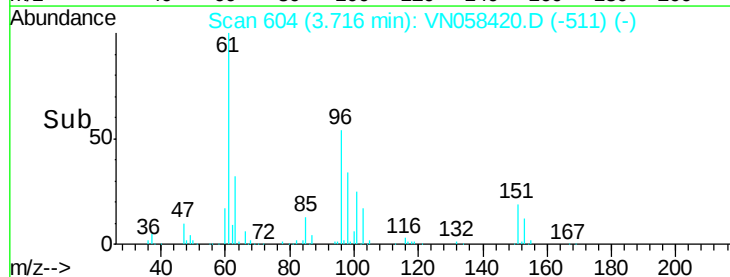
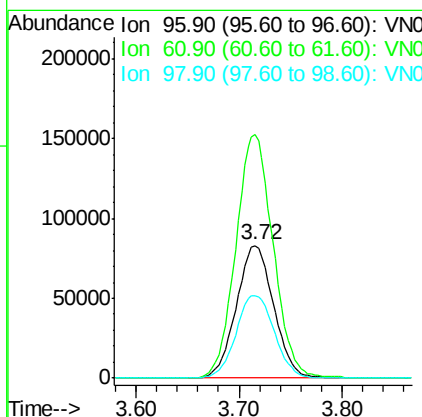
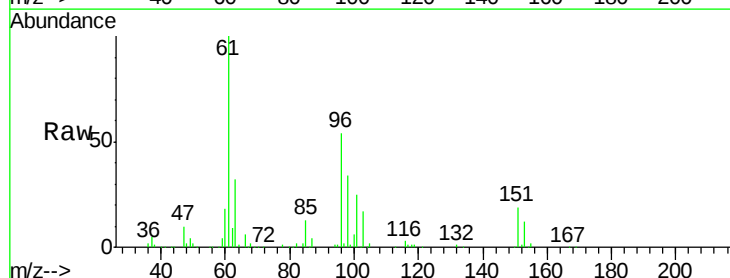
Tot Ion: 59 Resp: 181420
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.4

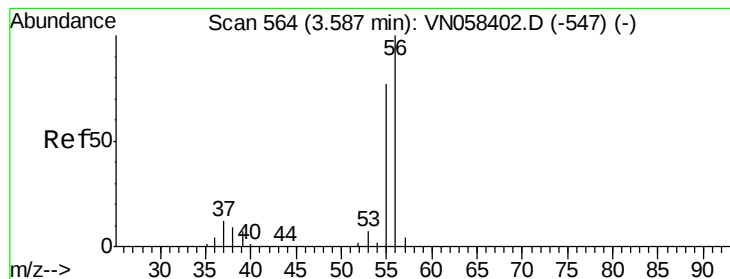


#12

1,1-Dichloroethene
 Concen: 47.888 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 96 Resp: 208945
 Ion Ratio Lower Upper
 96 100
 61 183.5 146.7 220.1
 98 62.0 51.3 76.9





#13

Acrolein

Concen: 225.111 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

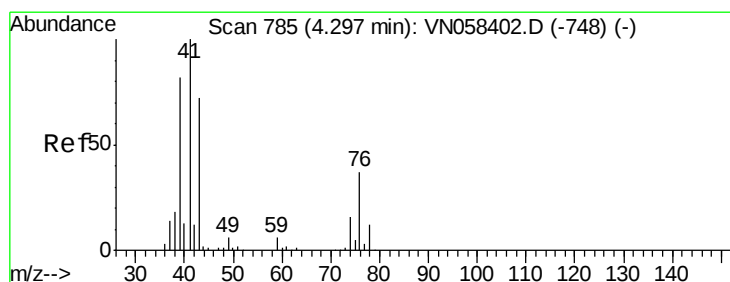
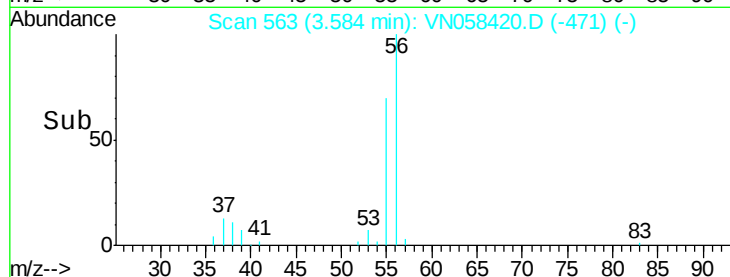
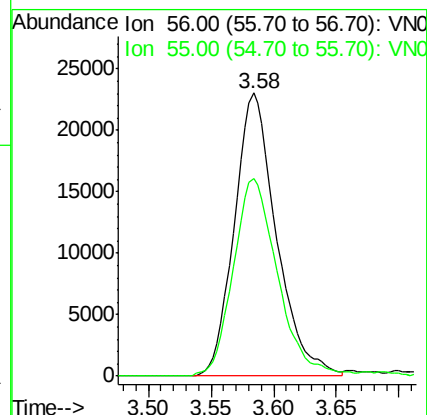
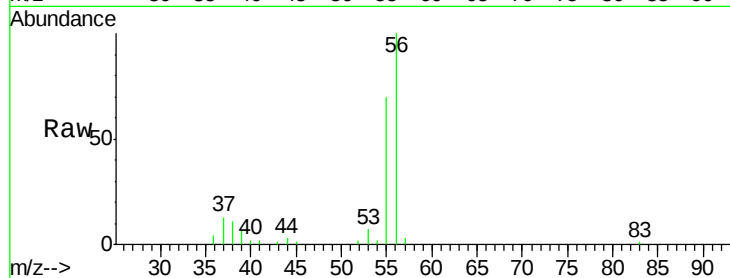
VSTDCCC050

Tot Ion: 56 Resp: 53761

Ion Ratio Lower Upper

56 100

55 73.5 58.3 87.5



#14

Allyl chloride

Concen: 49.484 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

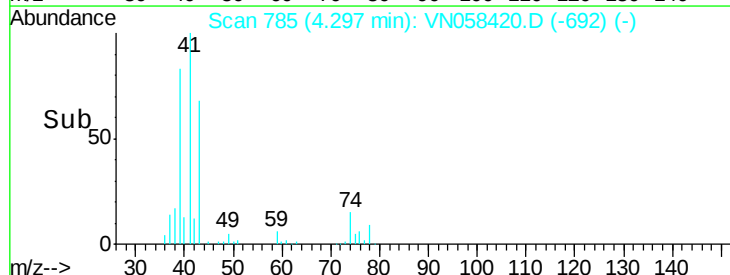
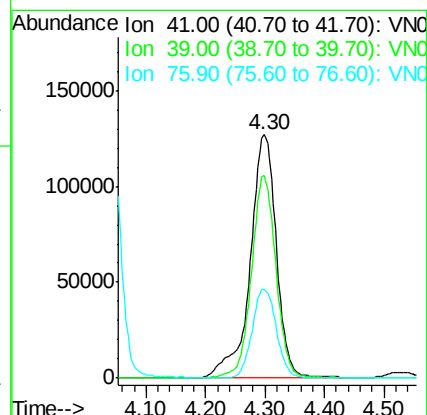
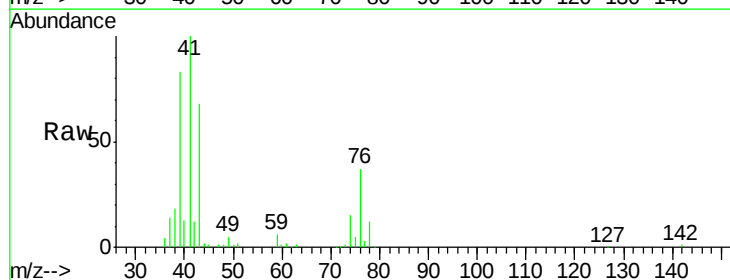
Tgt Ion: 41 Resp: 392917

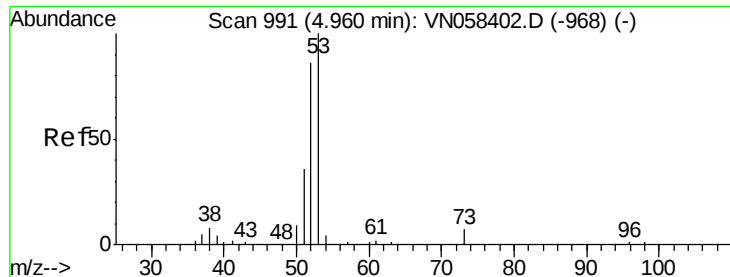
Ion Ratio Lower Upper

41 100

39 77.5 62.3 93.5

76 33.2 26.9 40.3





#15

Acrylonitrile

Concen: 238.963 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

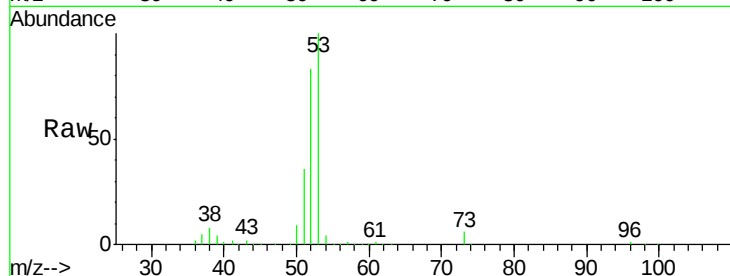
Tot Ion: 53 Resp: 522936

Ion Ratio Lower Upper

53 100

52 82.5 66.6 100.0

51 37.4 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058420.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058420.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058420.D (-968) (-)

4.95

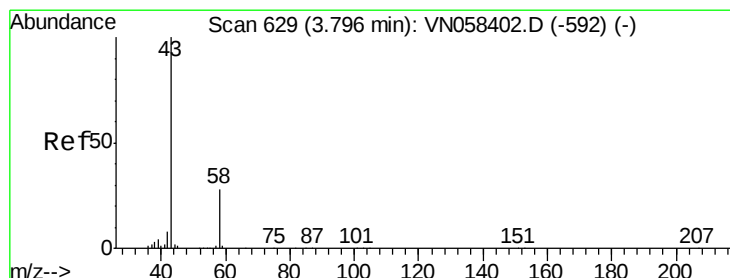
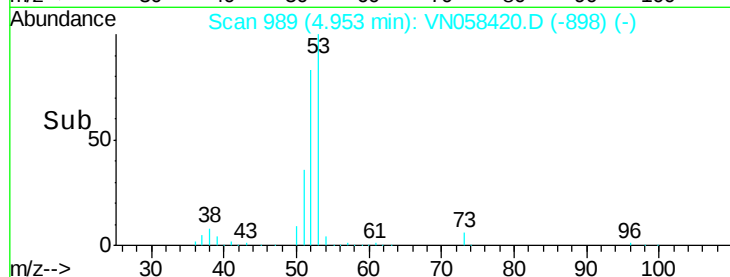
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 274.295 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN058420.D

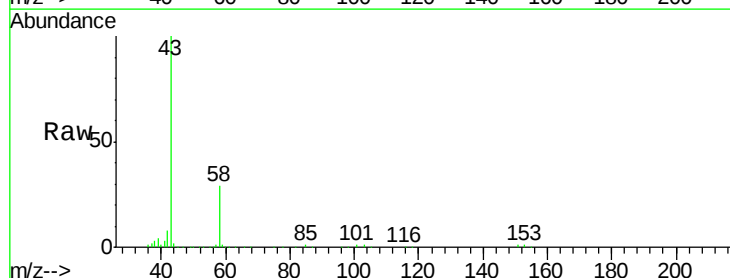
Acq: 30 Sep 2019 9:27

Tgt Ion: 43 Resp: 631993

Ion Ratio Lower Upper

43 100

58 28.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058420.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058420.D (-536) (-)

3.79

250000

200000

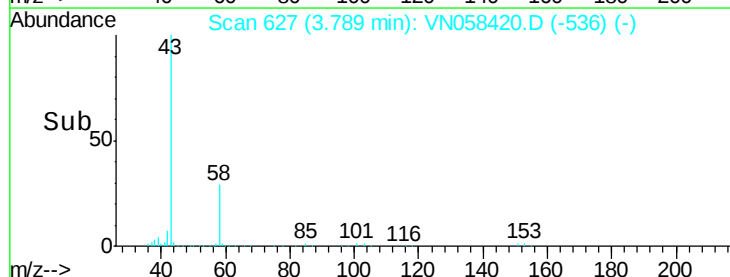
150000

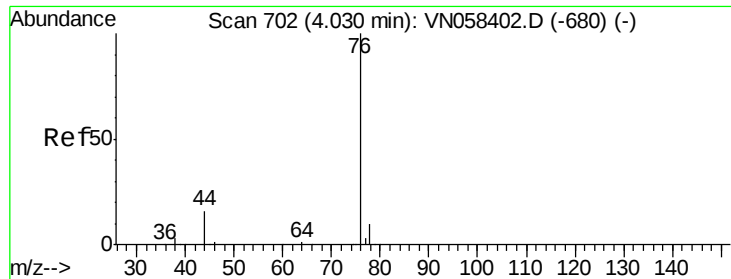
100000

50000

0

Time-->

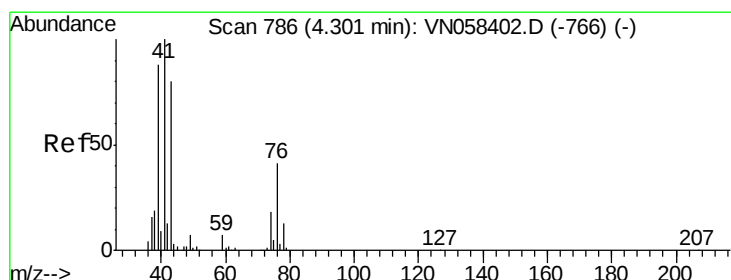
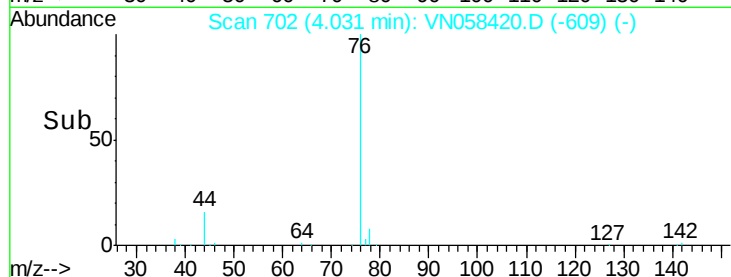
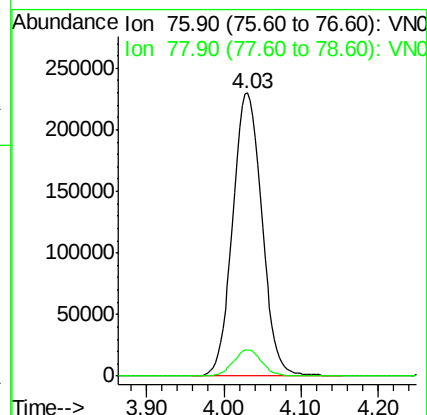
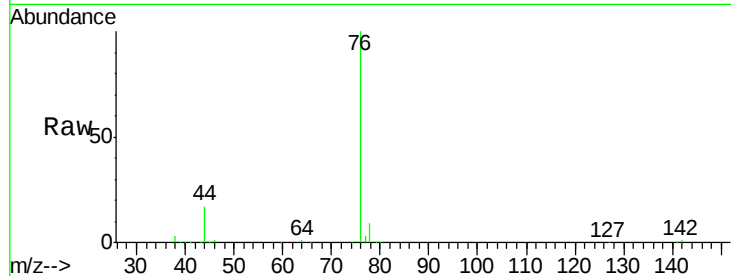




#17
Carbon Disulfide
Concen: 52.246 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

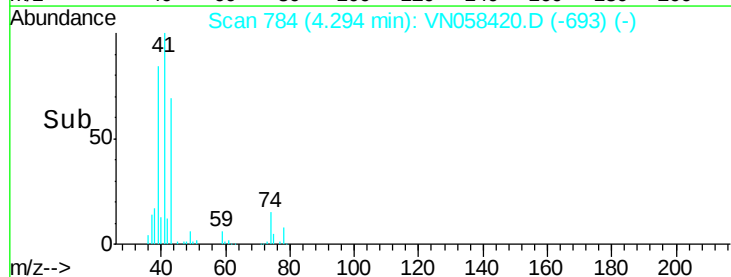
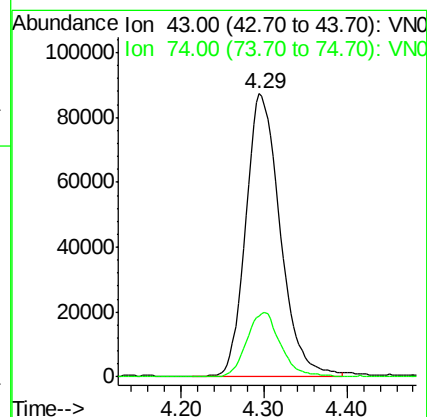
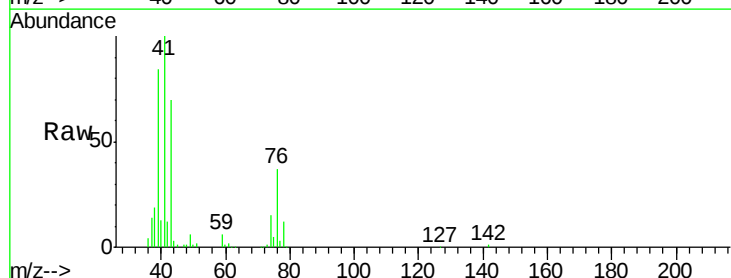
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

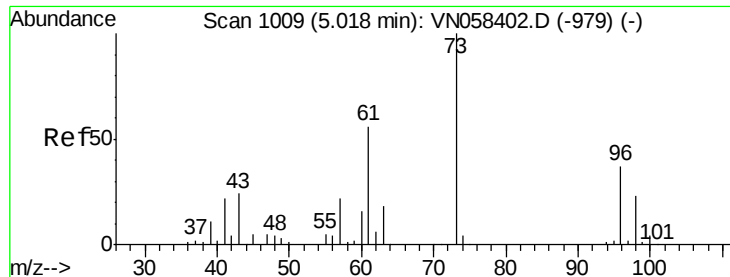
Tot Ion: 76 Resp: 600898
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5



#18
Methyl Acetate
Concen: 43.268 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.01 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 43 Resp: 250737
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0

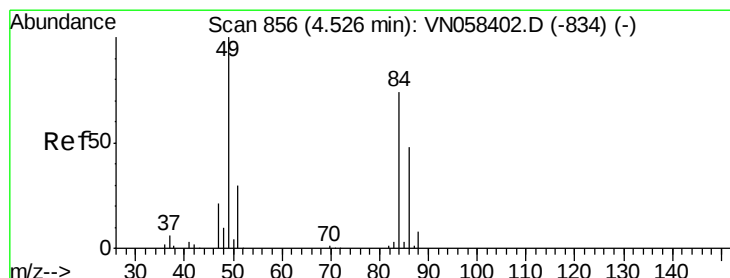
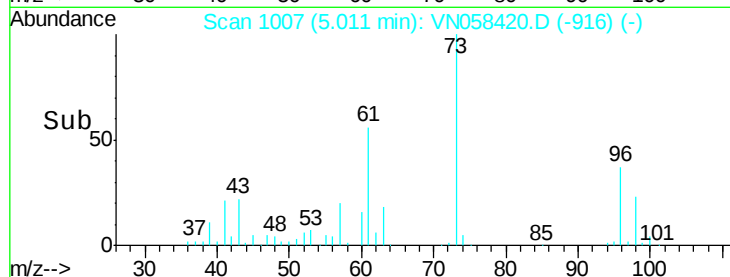
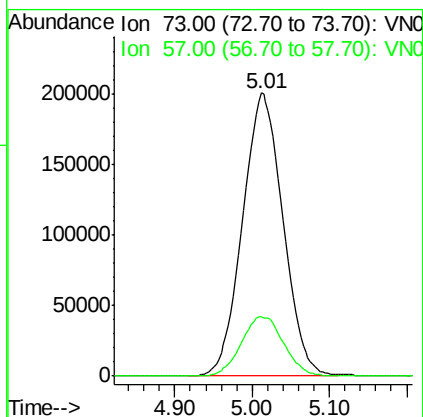
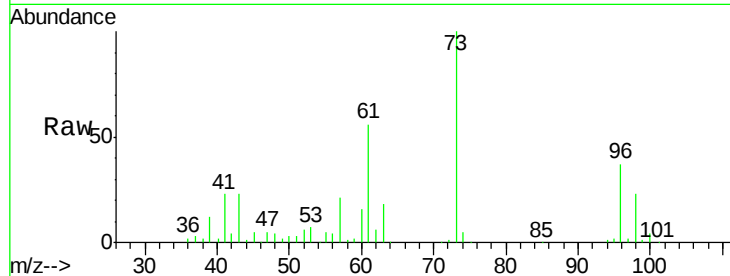




#19
Methvl tert-butvl Ether
Concen: 47.497 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

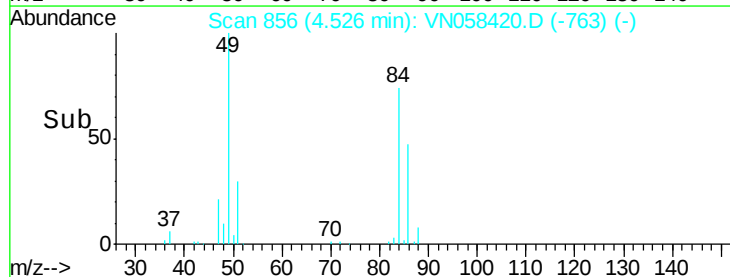
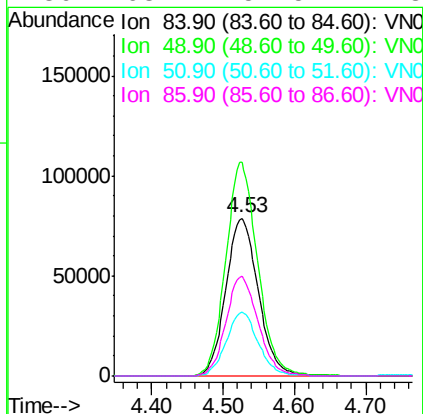
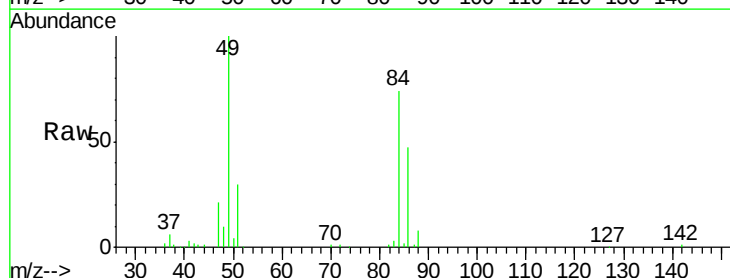
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

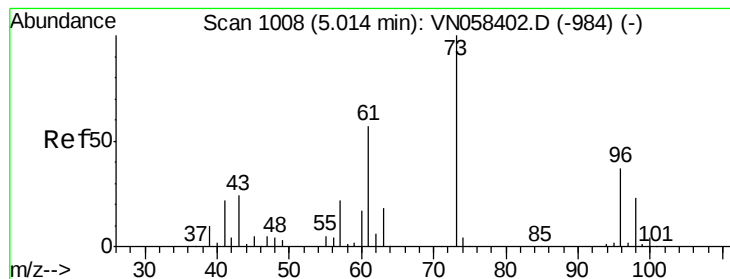
Tot Ion: 73 Resp: 731203
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4



#20
Methylene Chloride
Concen: 47.037 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 84 Resp: 250105
Ion Ratio Lower Upper
84 100
49 135.4 107.9 161.9
51 40.6 32.8 49.2
86 63.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.718 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

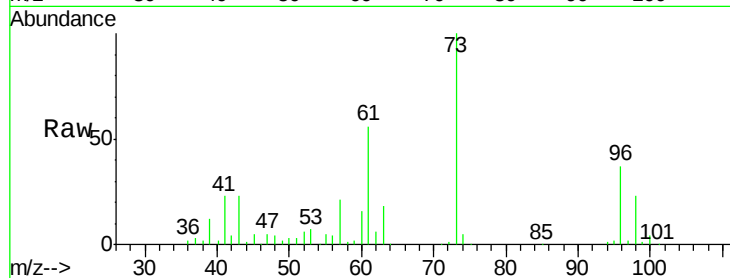
Tot Ion: 96 Resp: 236375

Ion Ratio Lower Upper

96 100

61 150.3 121.9 182.9

98 62.0 49.3 73.9

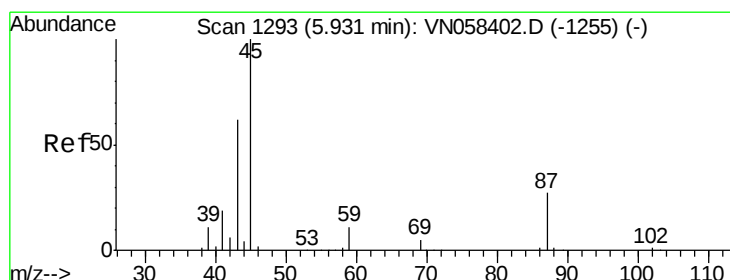
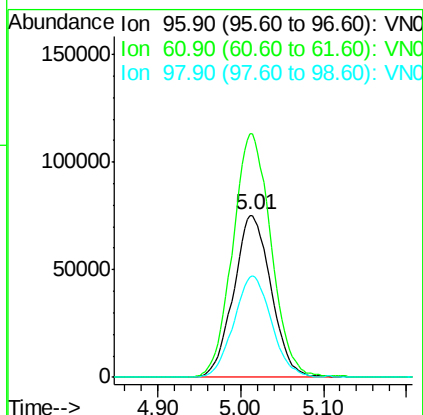
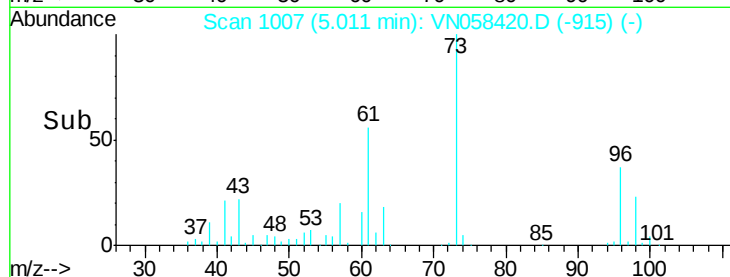


Abundance Ion 95.90 (95.60 to 96.60): VN058420.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VN058420.D (-984) (-)

Ion 97.90 (97.60 to 98.60): VN058420.D (-984) (-)

Time-->



#22

Diisopropyl ether

Concen: 48.655 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion: 45 Resp: 831361

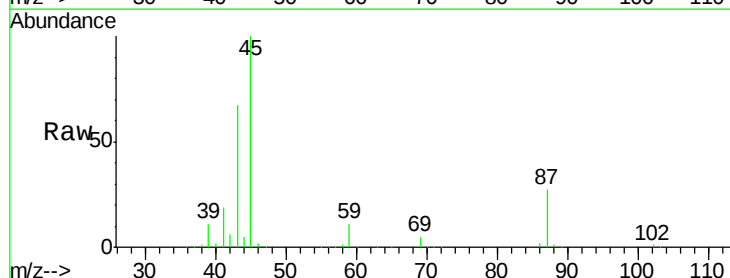
Ion Ratio Lower Upper

45 100

43 66.2 49.7 74.5

87 26.4 21.5 32.3

59 10.8 8.9 13.3



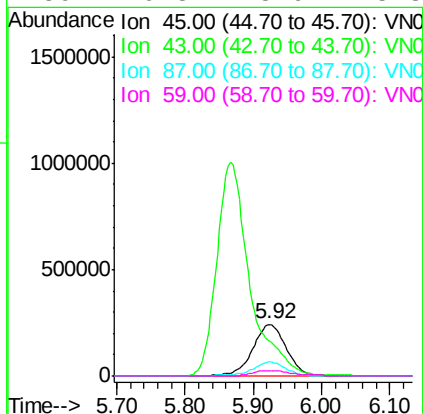
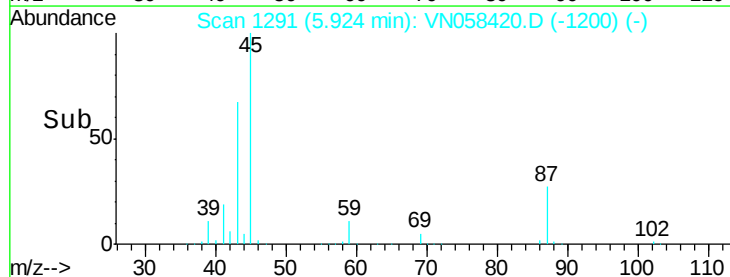
Abundance Ion 45.00 (44.70 to 45.70): VN058420.D (-1255) (-)

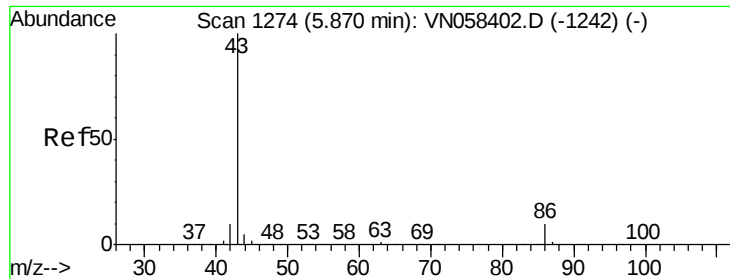
Ion 43.00 (42.70 to 43.70): VN058420.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN058420.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN058420.D (-1255) (-)

Time-->

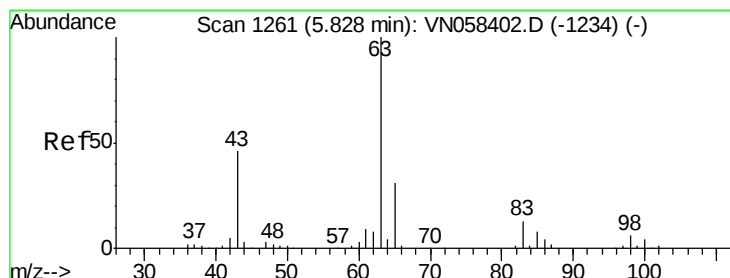
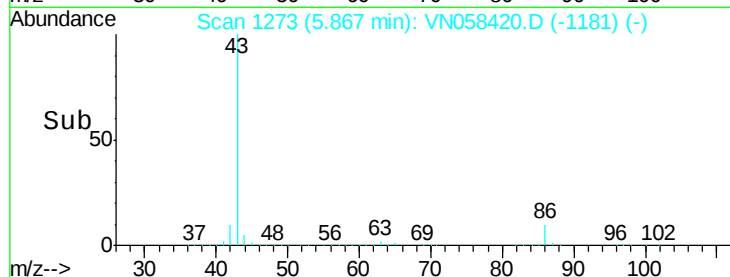
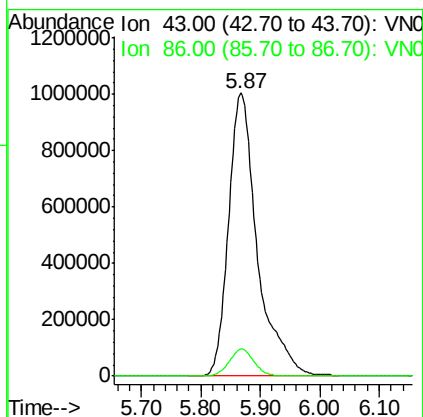
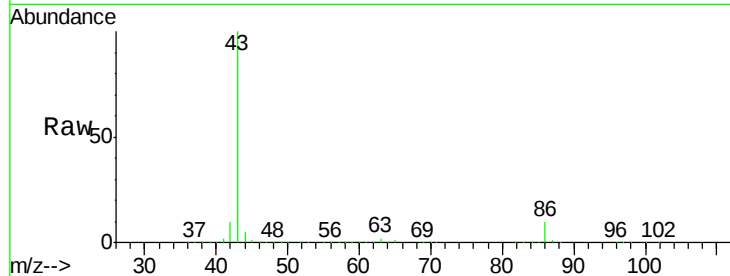




#23
 Vinyl Acetate
 Concen: 262.414 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

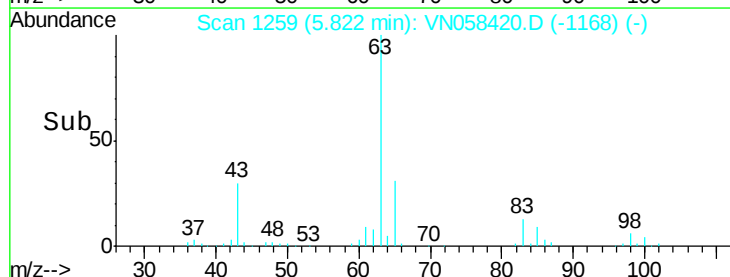
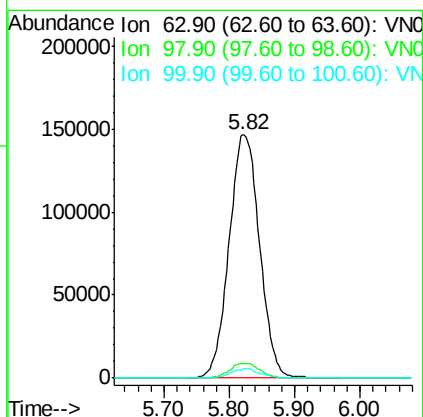
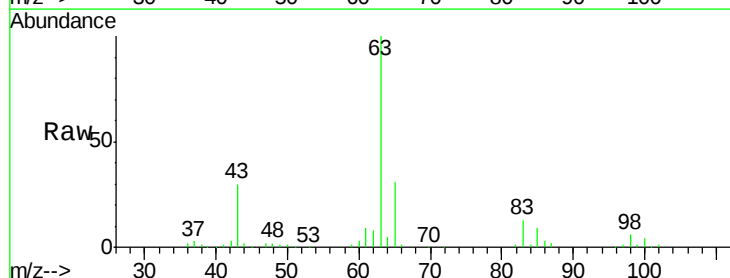
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

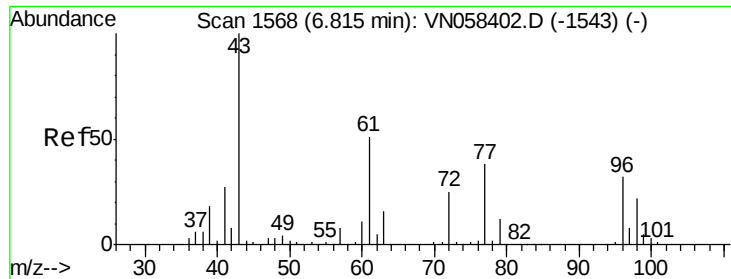
Tot Ion: 43 Resp: 3380859
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 49.359 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 63 Resp: 474652
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 246.805 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

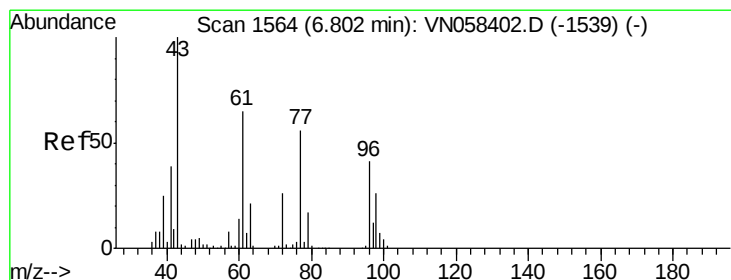
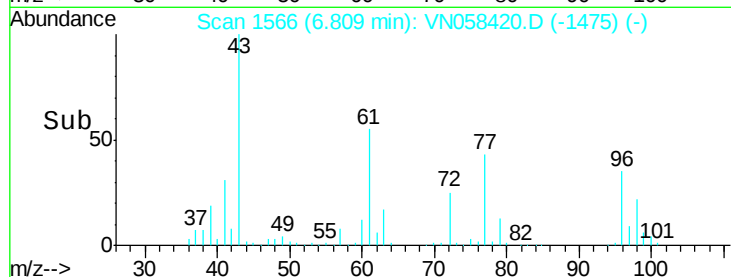
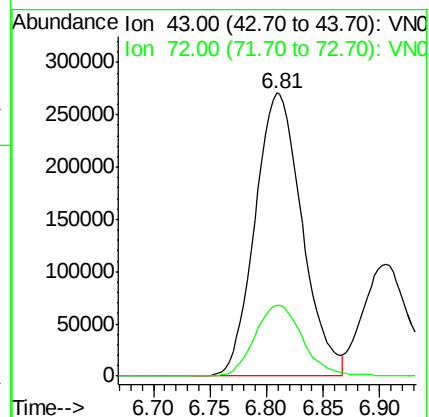
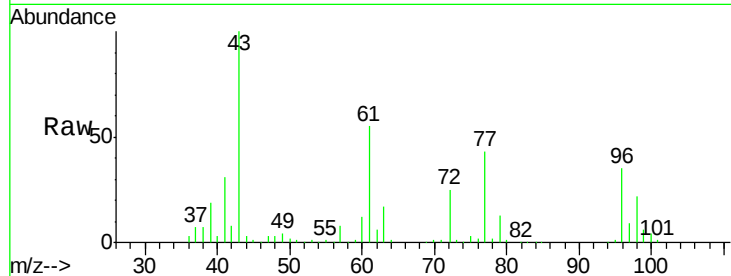
VSTDCCC050

Tot Ion: 43 Resp: 780745

Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.4



#26

2,2-Dichloropropane

Concen: 50.880 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058420.D

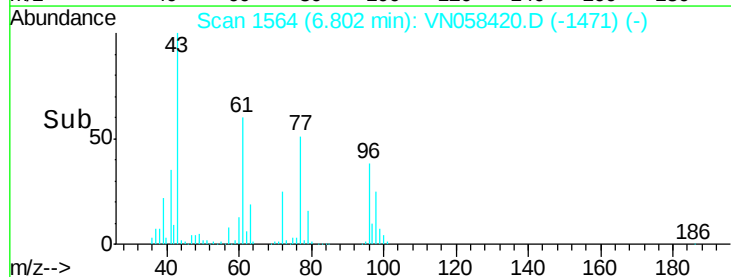
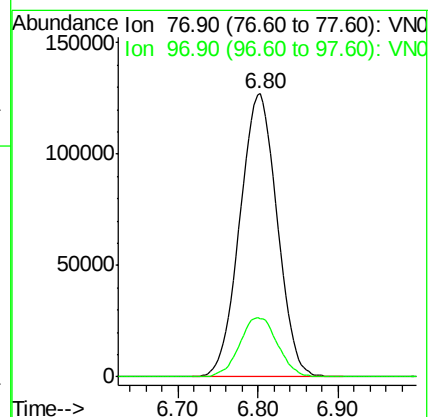
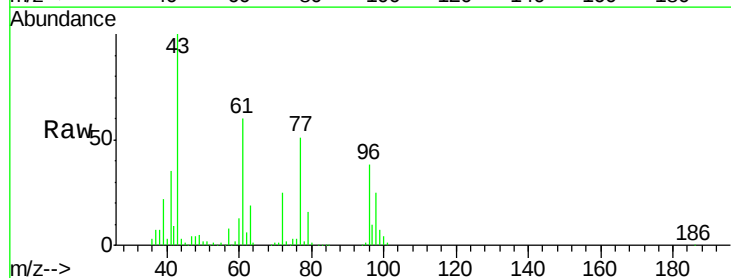
Acq: 30 Sep 2019 9:27

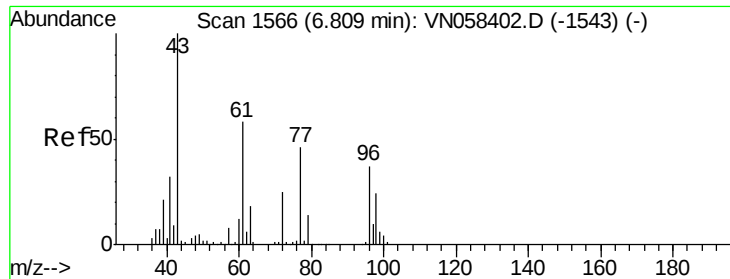
Tgt Ion: 77 Resp: 402241

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6

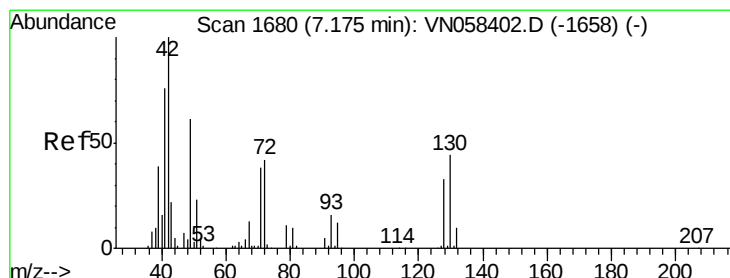
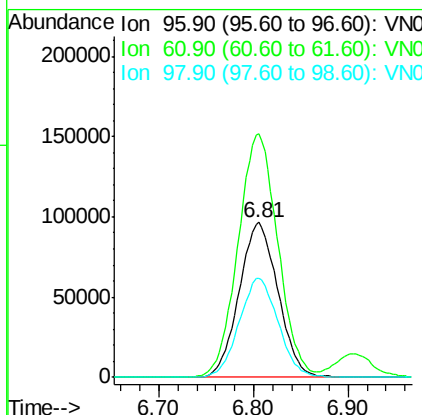
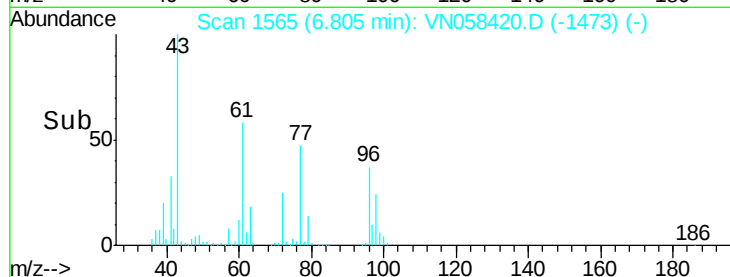
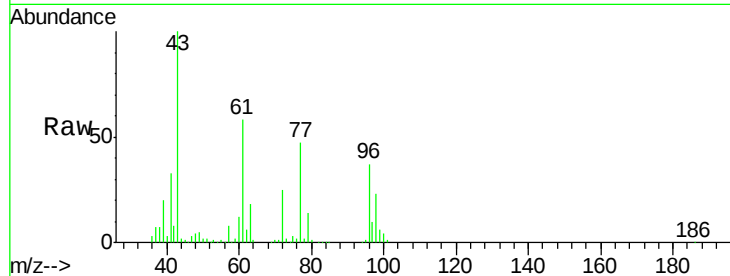




#27
 cis-1,2-Dichloroethene
 Concen: 48.587 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

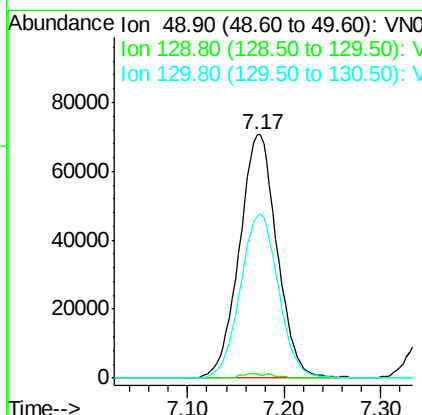
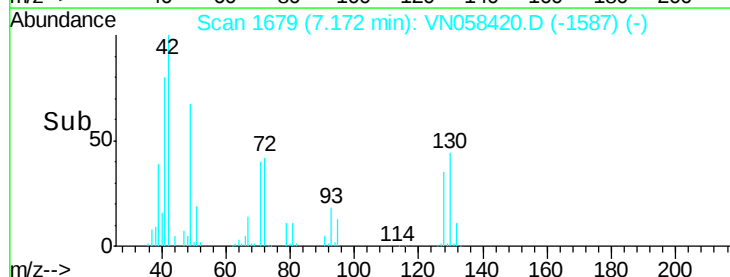
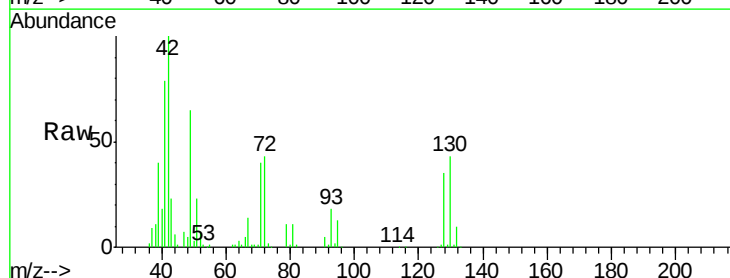
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

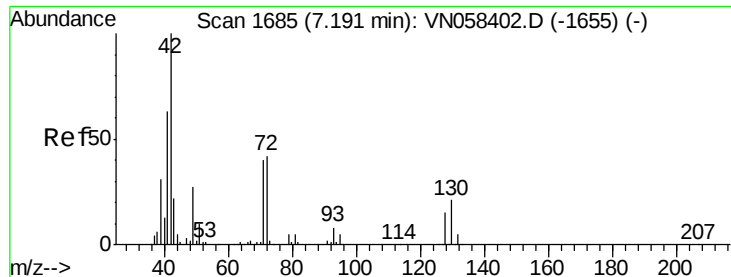
Tot Ion: 96 Resp: 275521
 Ion Ratio Lower Upper
 96 100
 61 160.6 0.0 318.8
 98 64.2 0.0 129.8



#28
 Bromochloromethane
 Concen: 49.710 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 49 Resp: 191080
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.4
 130 67.8 56.3 84.5





#29

Tetrahydrofuran

Concen: 229.846 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

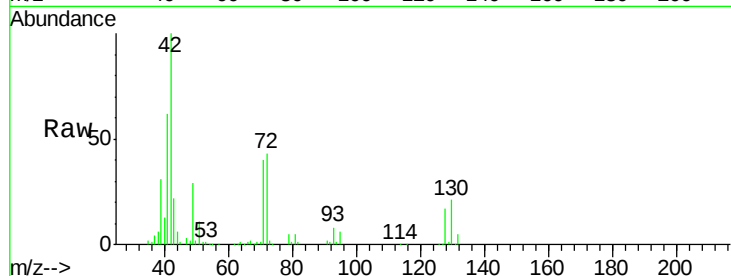
Tot Ion: 42 Resp: 461482

Ion Ratio Lower Upper

42 100

72 42.4 33.7 50.5

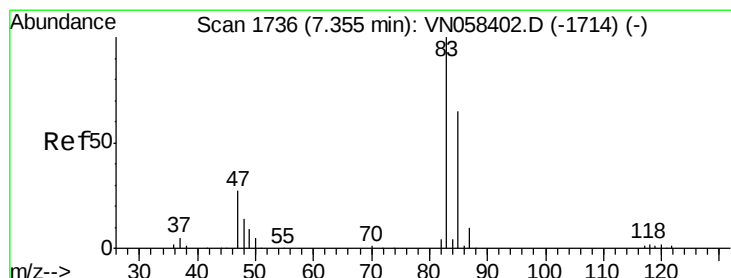
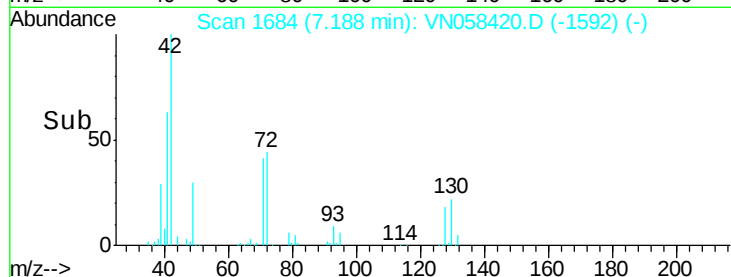
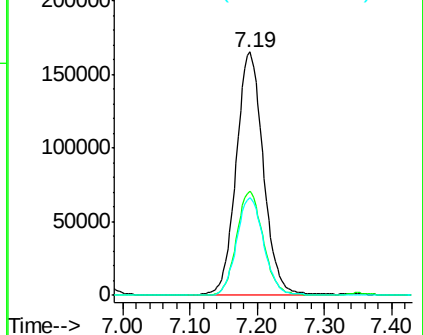
71 40.3 31.8 47.6



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: 48.924 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058420.D

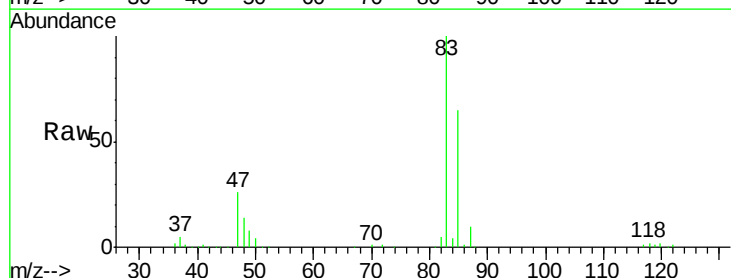
Acq: 30 Sep 2019 9:27

Tgt Ion: 83 Resp: 476744

Ion Ratio Lower Upper

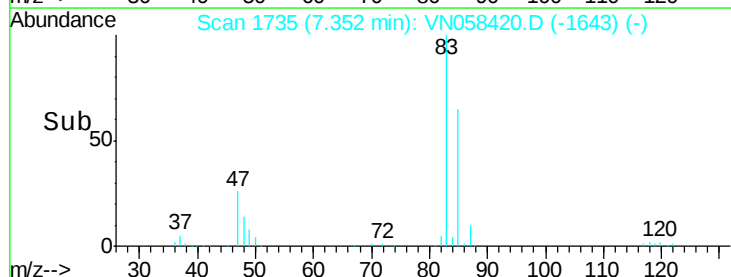
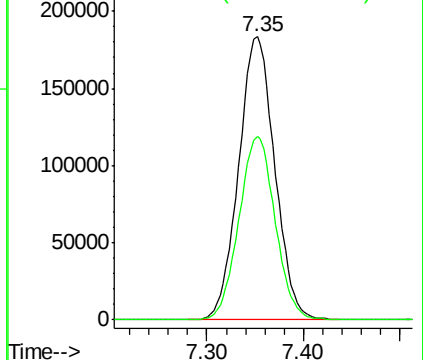
83 100

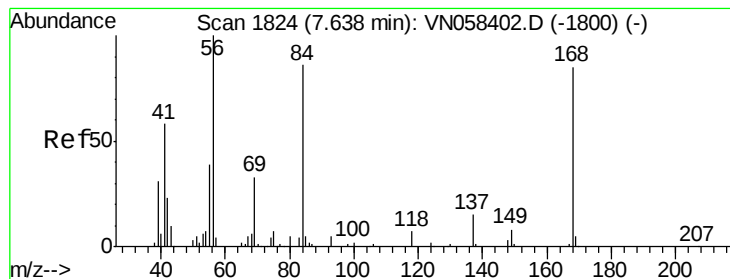
85 65.0 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 46.607 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

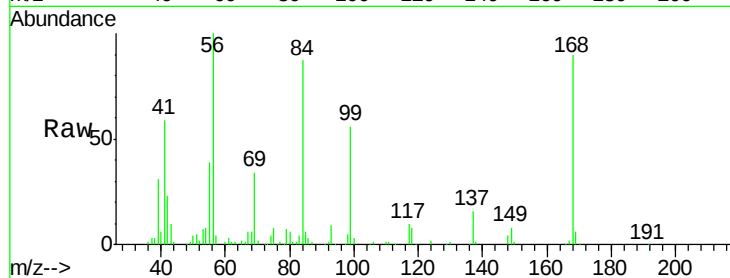
Tot Ion: 56 Resp: 435969

Ion Ratio Lower Upper

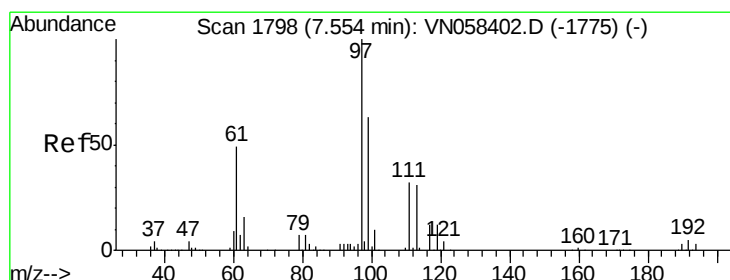
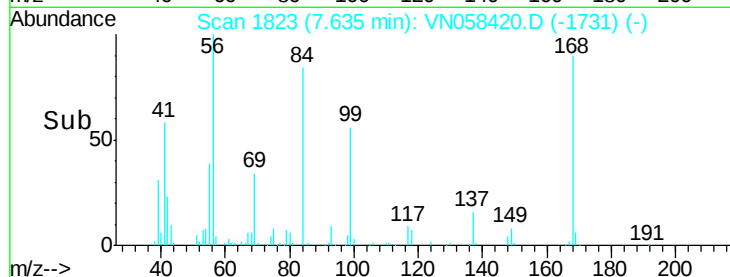
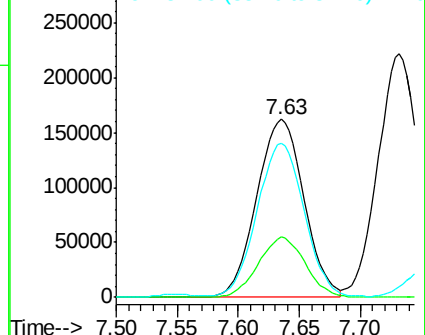
56 100

69 33.8 26.2 39.4

84 85.7 67.6 101.4



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



#32

1,1,1-Trichloroethane

Concen: 50.689 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

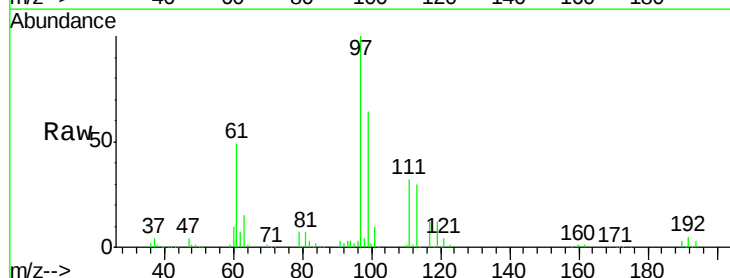
Tgt Ion: 97 Resp: 405622

Ion Ratio Lower Upper

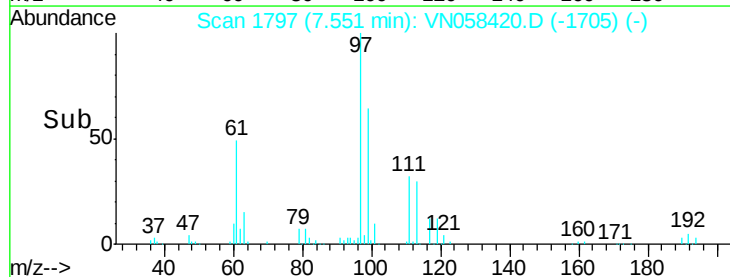
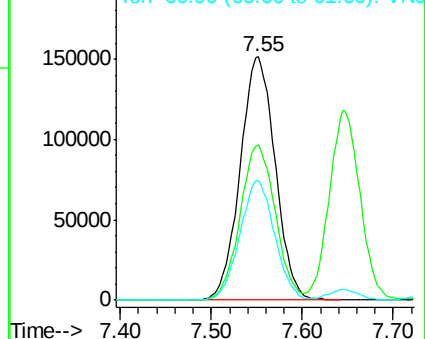
97 100

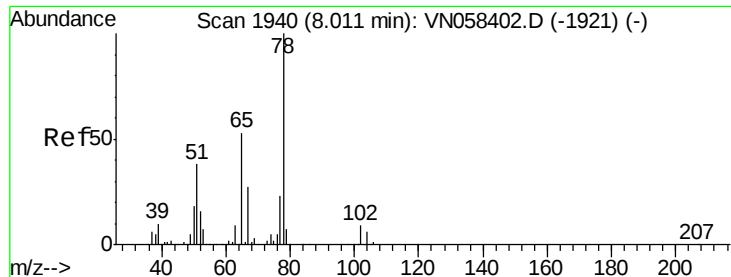
99 64.1 51.1 76.7

61 48.8 39.2 58.8



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

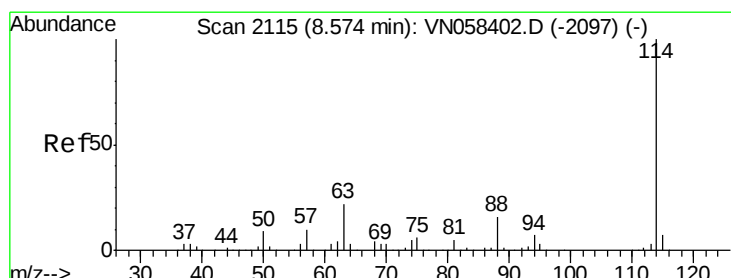
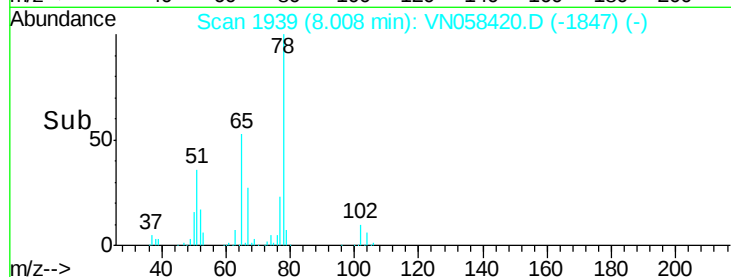
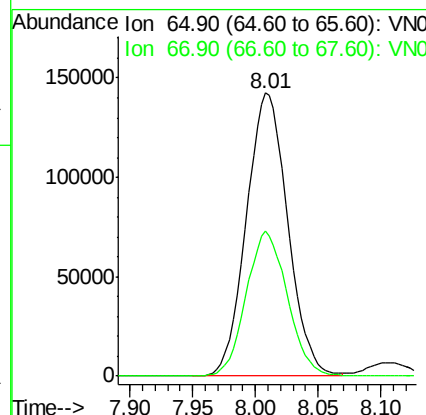
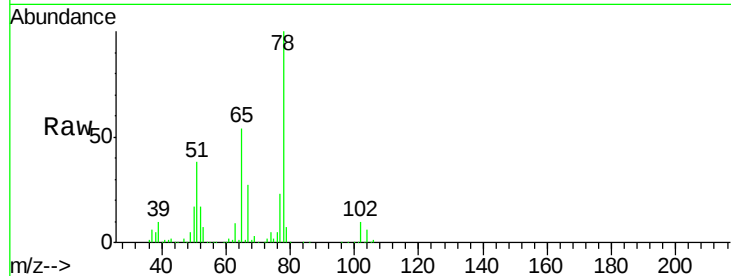




#33
 1,2-Dichloroethane-d4
 Concen: 48.484 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

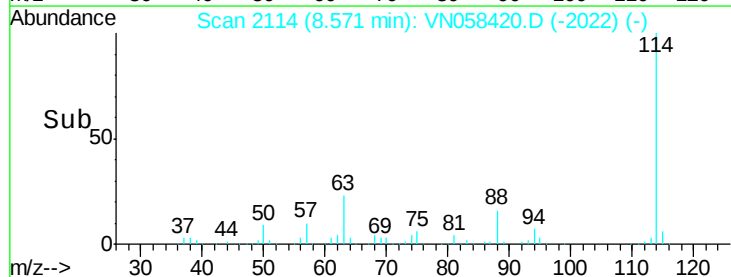
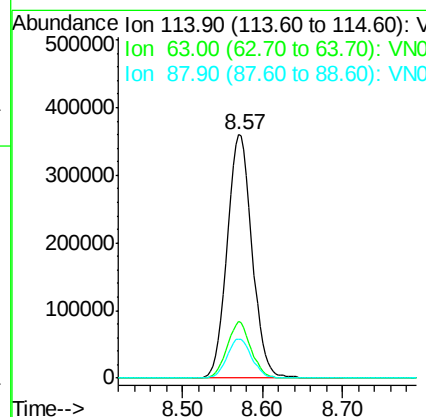
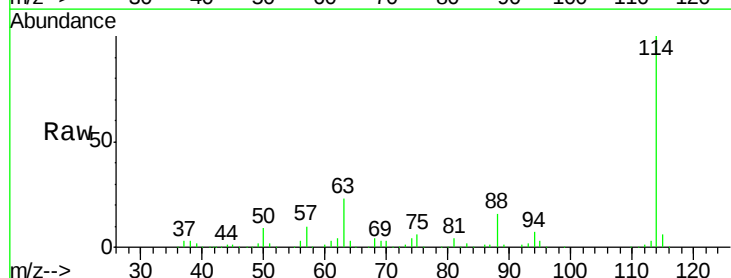
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

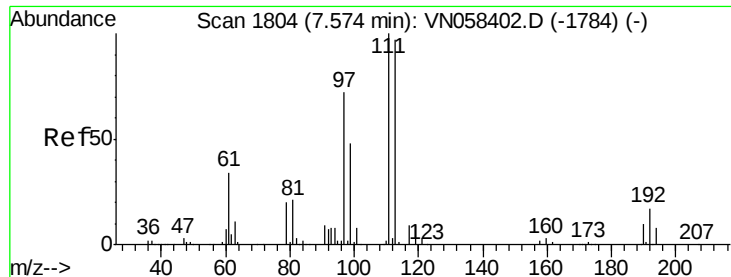
Tot Ion: 65 Resp: 327701
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 114 Resp: 769003
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.606 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

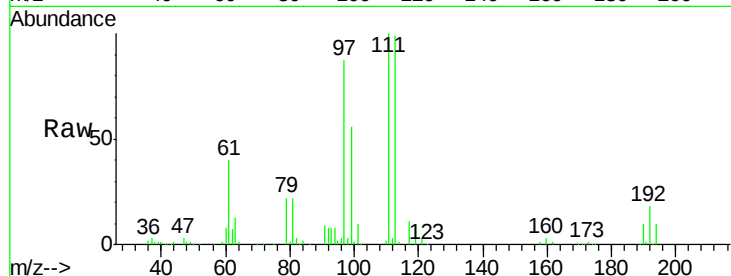
Tot Ion:113 Resp: 238513

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

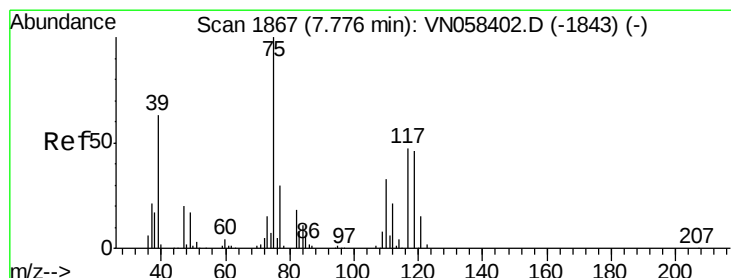
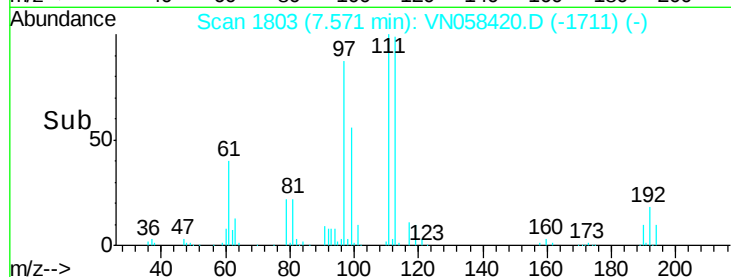
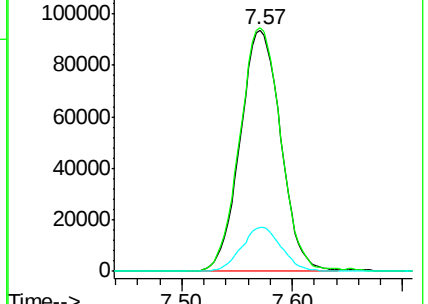
192 18.0 14.9 22.3



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: 49.999 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

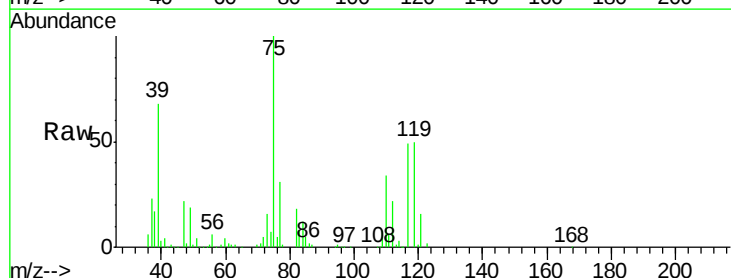
Tgt Ion: 75 Resp: 367653

Ion Ratio Lower Upper

75 100

110 33.0 16.4 49.2

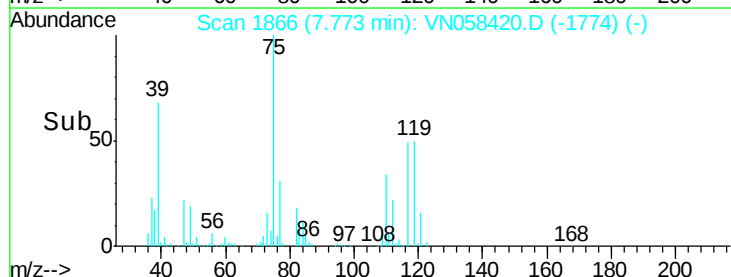
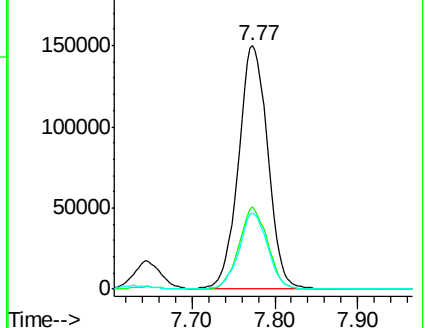
77 30.8 24.3 36.5

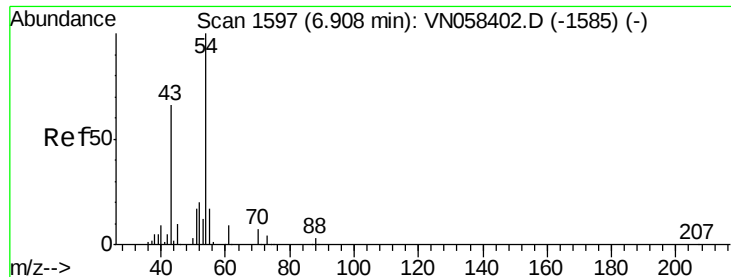


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

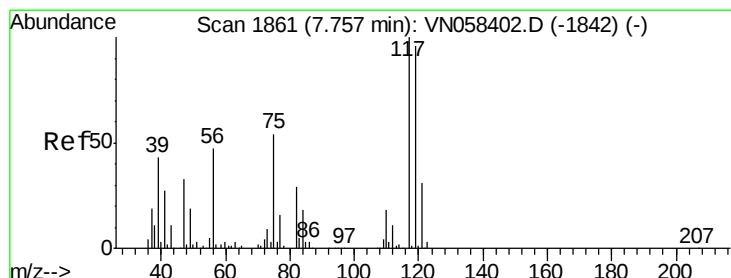
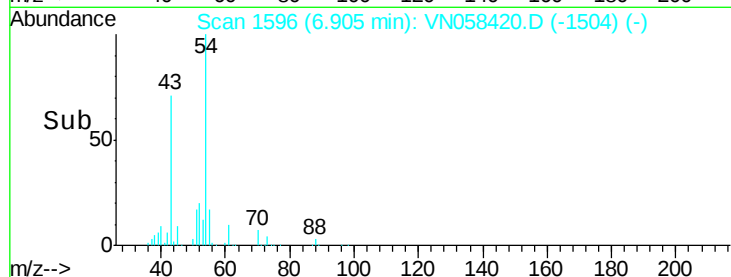
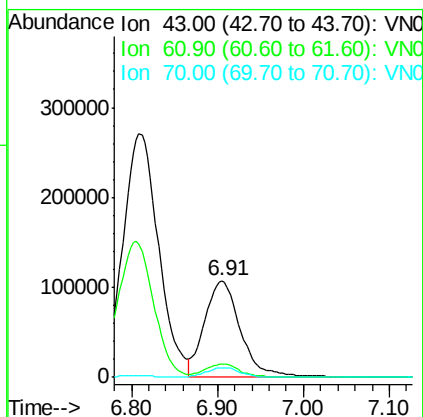
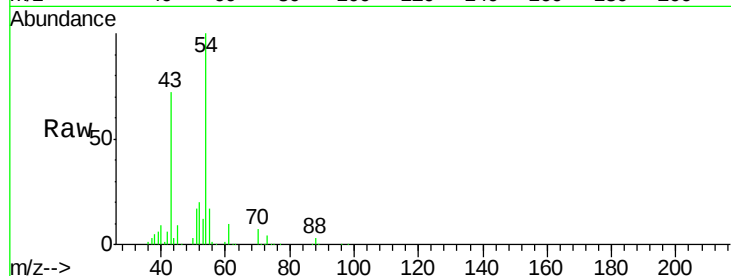




#37
Ethyl Acetate
Concen: 49.476 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

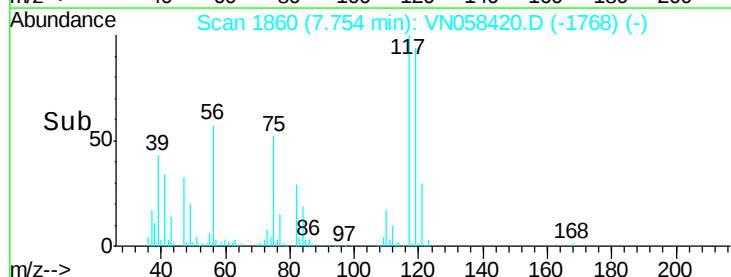
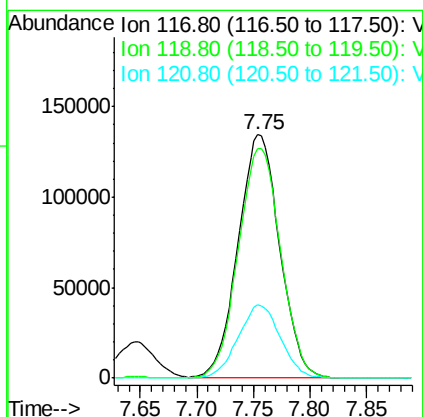
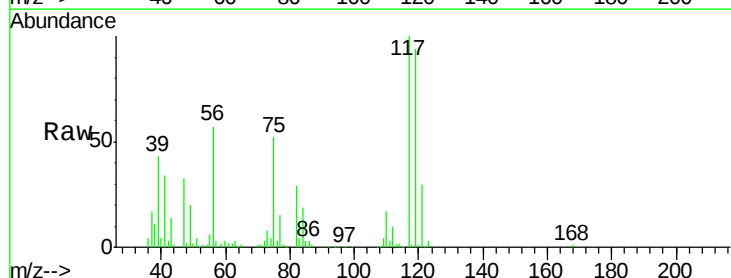
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

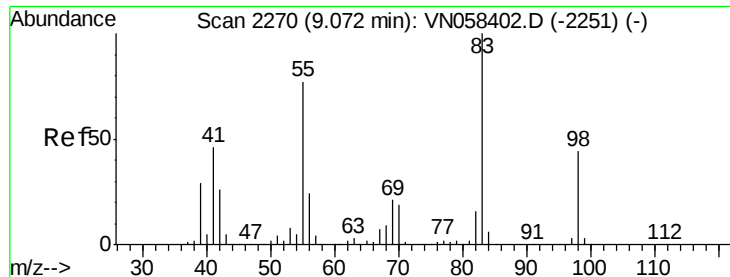
Tot Ion: 43 Resp: 308448
Ion Ratio Lower Upper
43 100
61 13.0 10.5 15.7
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 51.519 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 117 Resp: 341945
Ion Ratio Lower Upper
117 100
119 94.3 76.6 115.0
121 30.4 24.7 37.1

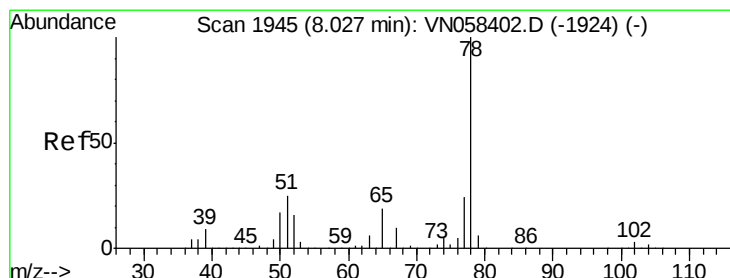
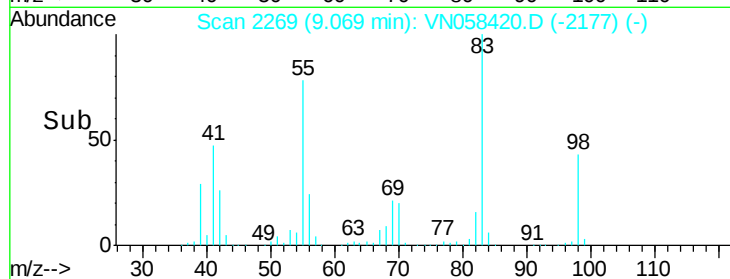
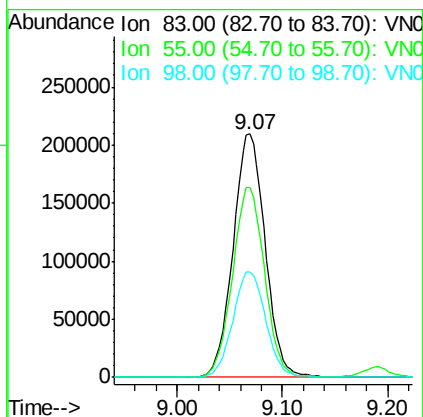
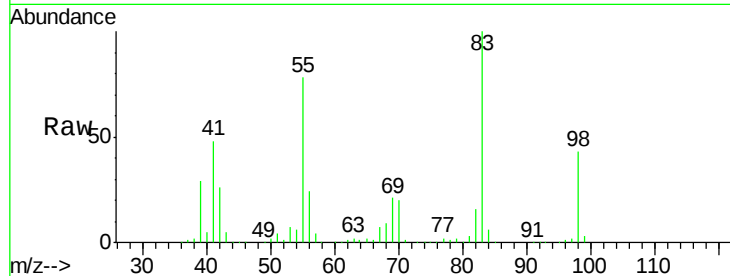




#39
Methvlcvclohexane
Concen: 51.525 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

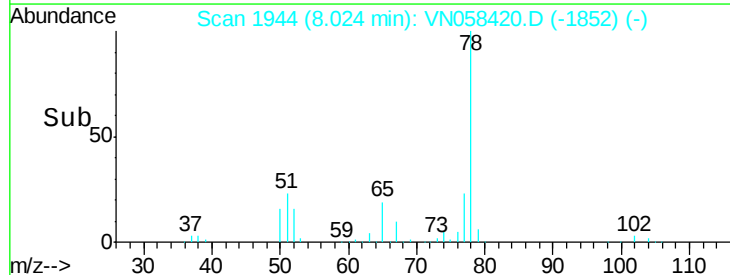
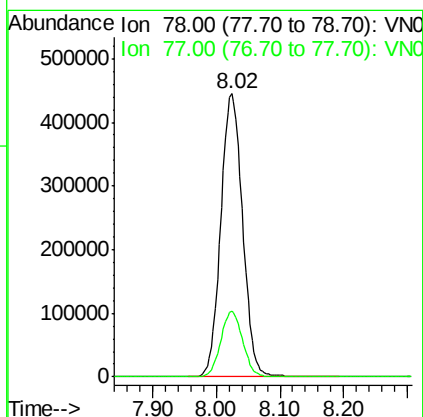
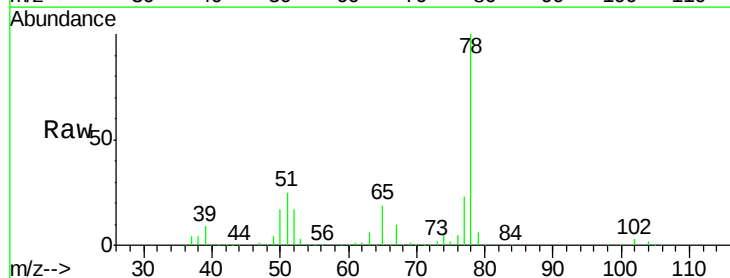
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

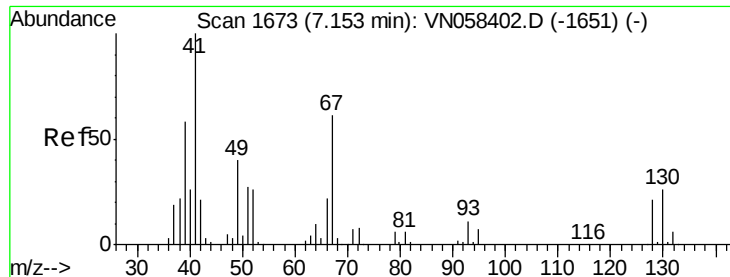
Tot Ion: 83 Resp: 442442
Ion Ratio Lower Upper
83 100
55 77.8 61.8 92.6
98 43.2 35.4 53.0



#40
Benzene
Concen: 50.087 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 78 Resp: 1058658
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

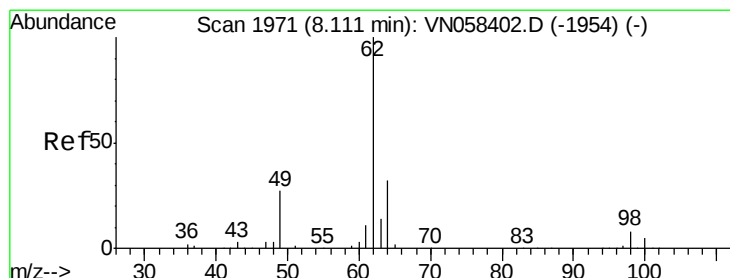
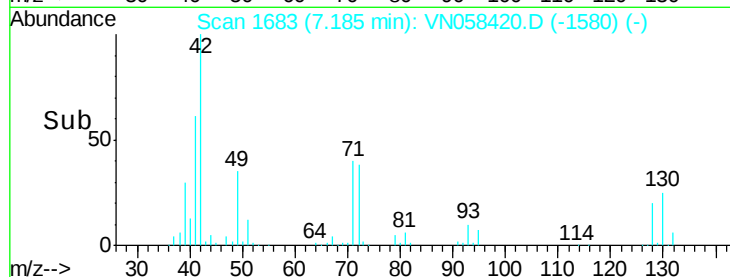
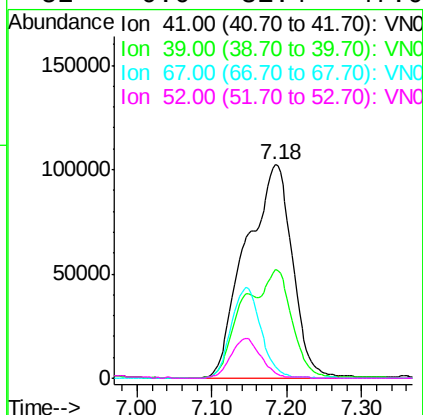
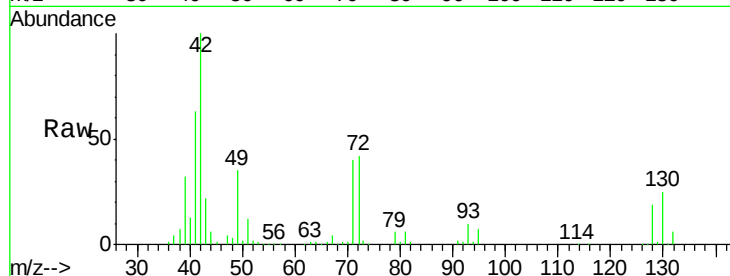




#41
Methacrylonitrile
Concen: 154.349 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

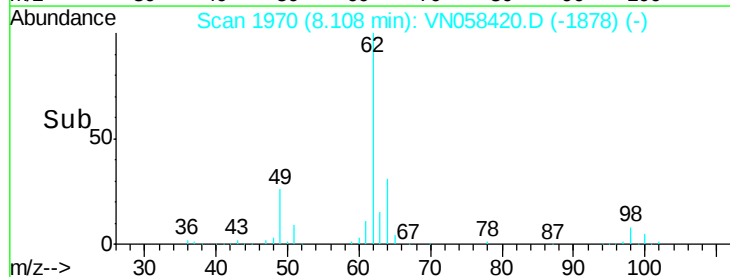
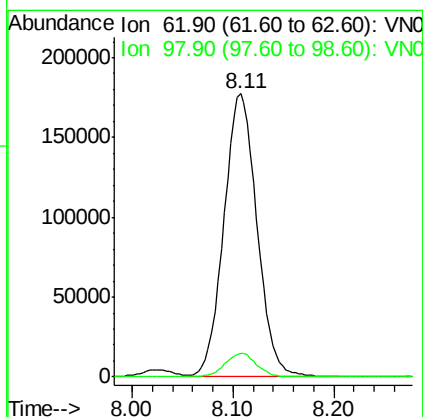
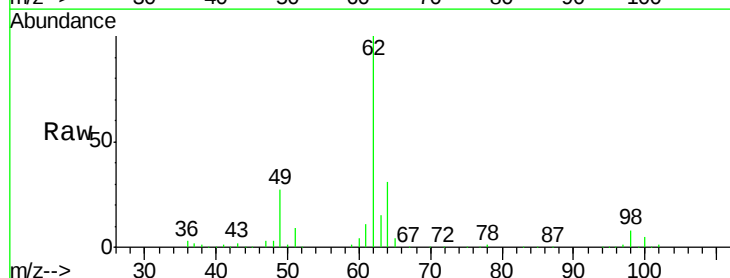
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

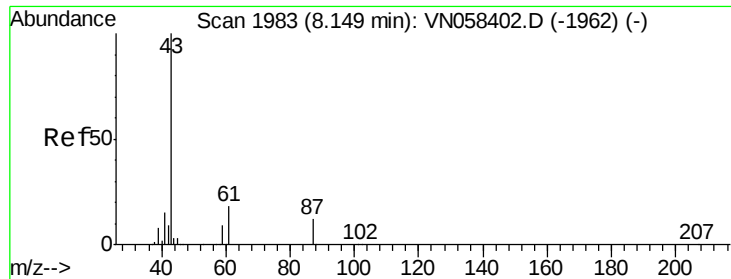
Tot Ion: 41 Resp: 442682
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 49.181 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 62 Resp: 404428
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.6



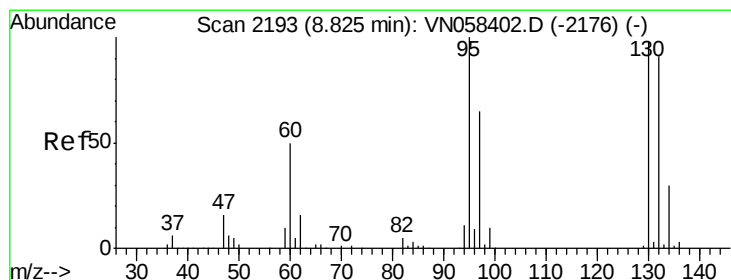
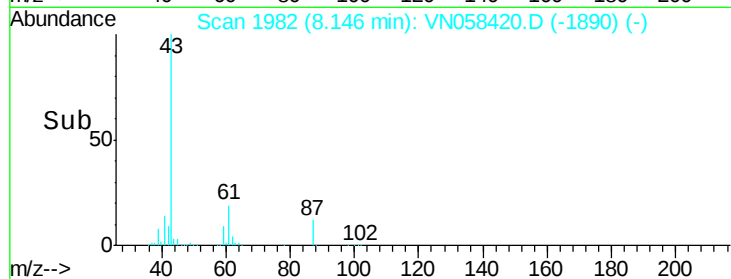
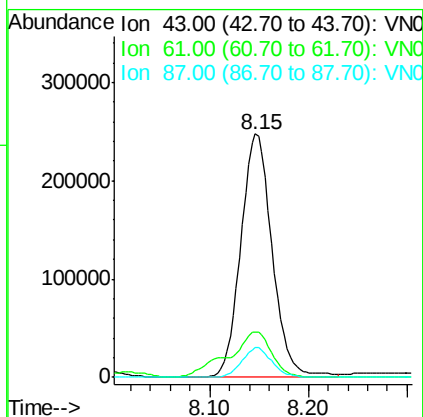
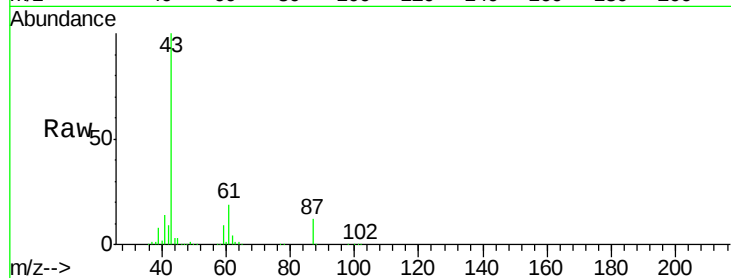


#43

Isopropyl Acetate
 Concen: 46.240 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

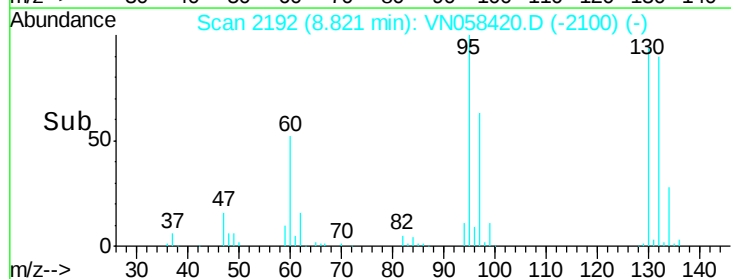
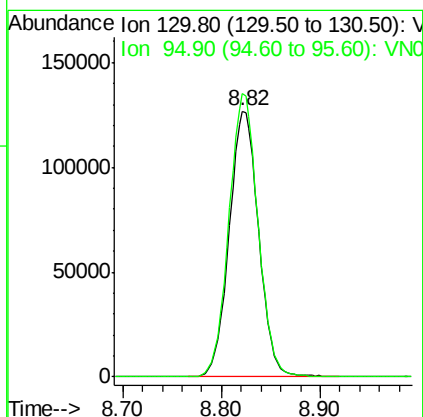
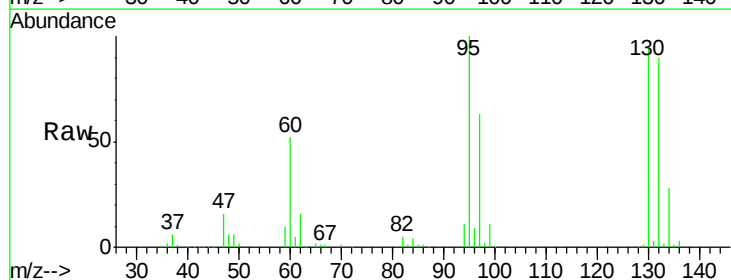
Tot Ion	43	Resp	542087
Ion Ratio	Lower	Upper	
43	100		
61	18.7	14.8	22.2
87	11.7	9.7	14.5

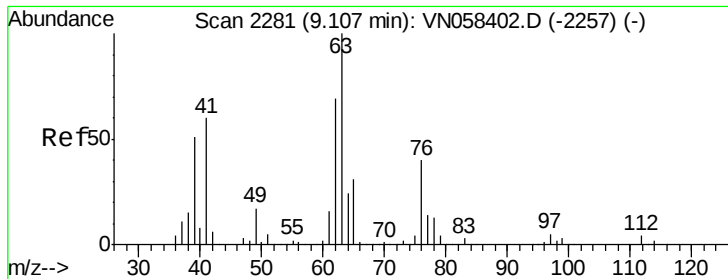


#44

Trichloroethene
 Concen: 50.220 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	130	Resp	262096
Ion Ratio	Lower	Upper	
130	100		
95	106.4	0.0	204.2





#45

1,2-Dichloropropane

Concen: 50.760 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

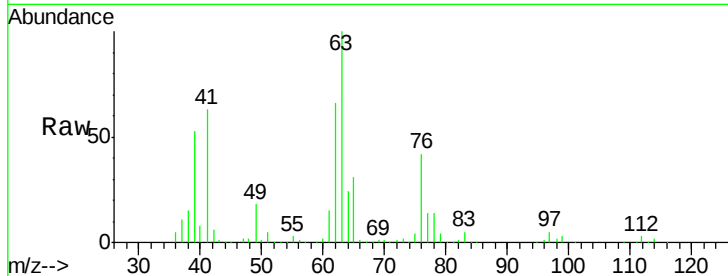
VSTDCCC050

Tot Ion: 63 Resp: 287743

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

150000

100000

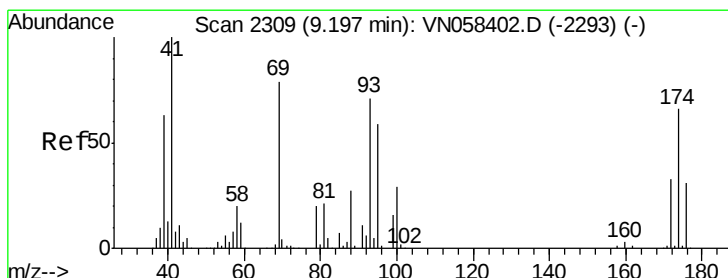
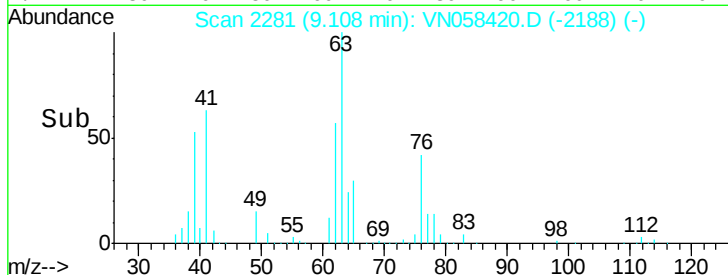
50000

0

9.11

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 49.953 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

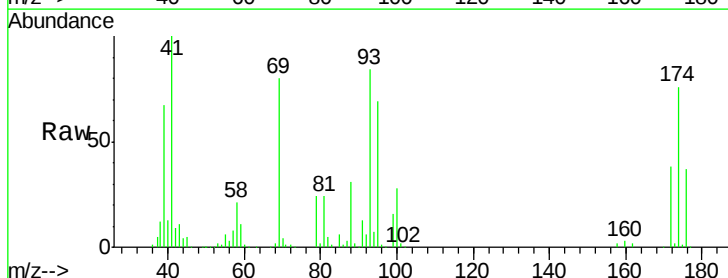
Tgt Ion: 93 Resp: 179325

Ion Ratio Lower Upper

93 100

95 82.4 67.0 100.4

174 92.2 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

120000

100000

80000

60000

40000

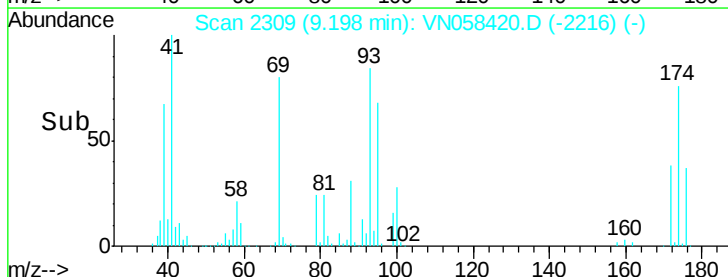
20000

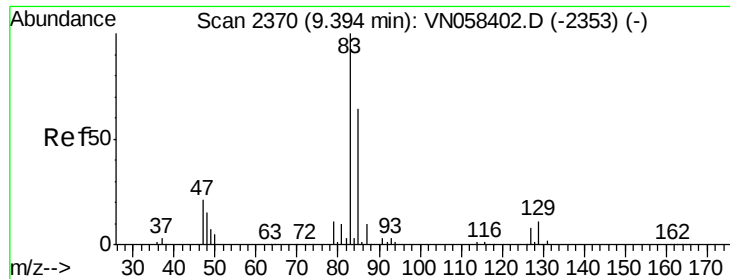
0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 54.489 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

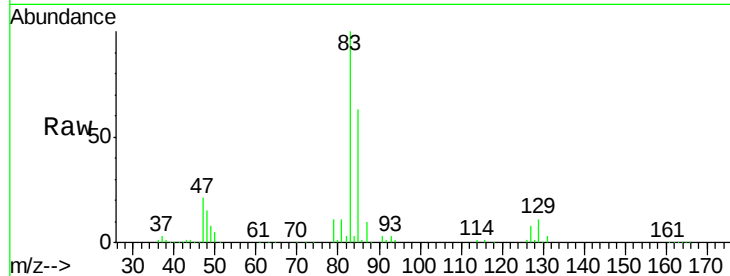
Tot Ion: 83 Resp: 370616

Ion Ratio Lower Upper

83 100

85 63.0 51.2 76.8

127 7.9 6.3 9.5

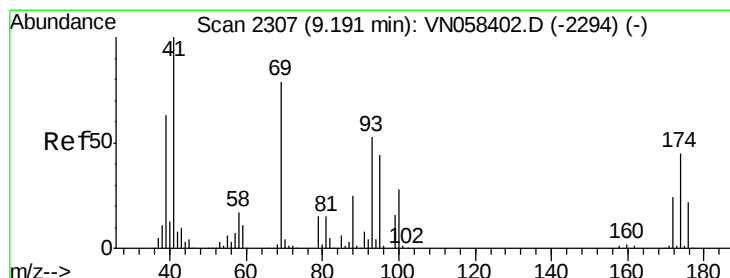
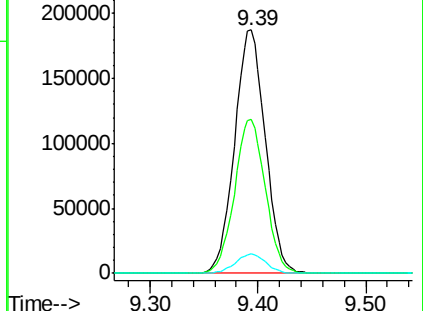
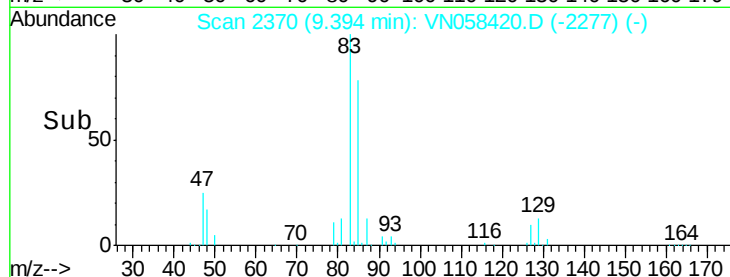


Abundance Ion 82.90 (82.60 to 83.60): VN058420.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058420.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058420.D (-2277) (-)

Time-->



#48

Methyl methacrylate

Concen: 47.751 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

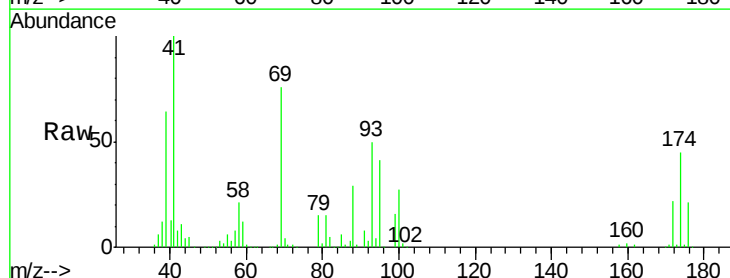
Tgt Ion: 41 Resp: 254904

Ion Ratio Lower Upper

41 100

69 81.3 64.7 97.1

39 68.3 52.9 79.3

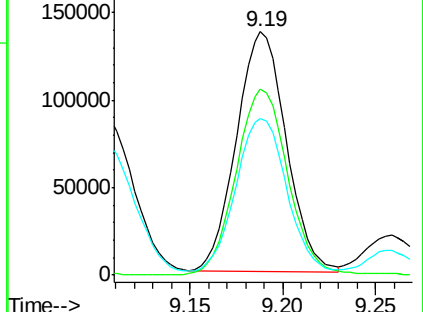
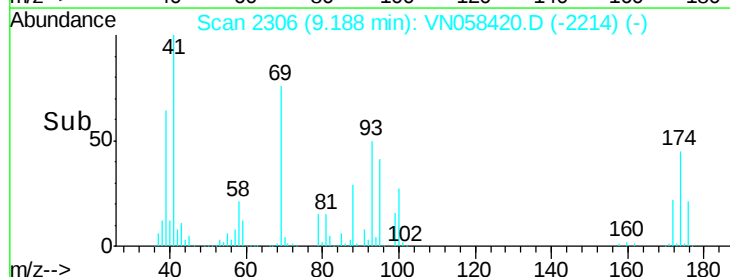


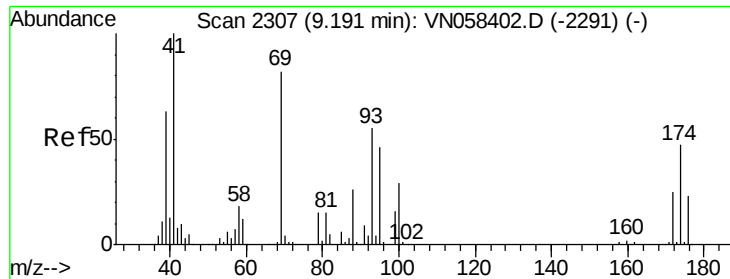
Abundance Ion 41.00 (40.70 to 41.70): VN058420.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058420.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058420.D (-2214) (-)

Time-->





#49

1,4-Dioxane

Concen: 1161.323 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

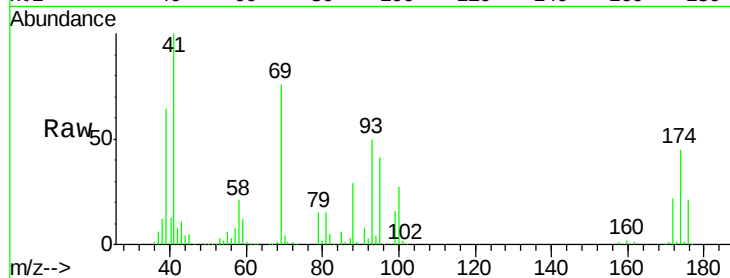
Tot Ion: 88 Resp: 82893

Ion Ratio Lower Upper

88 100

43 36.4 31.1 46.7

58 70.2 58.1 87.1

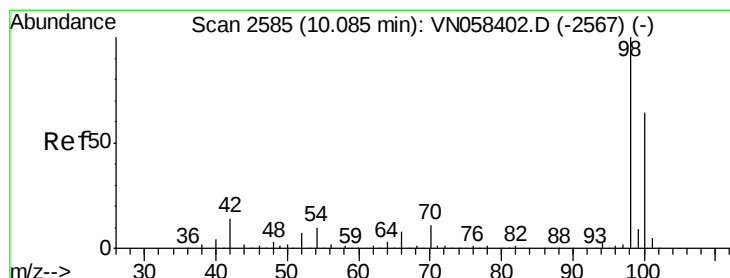
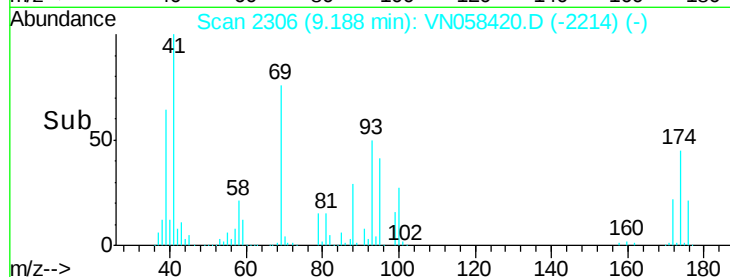


Abundance Ion 88.00 (87.70 to 88.70): VN058402.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN058402.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2291) (-)

Time-->



#50

Toluene-d8

Concen: 50.825 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058420.D

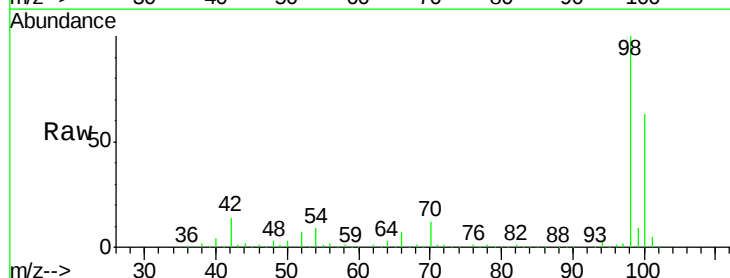
Acq: 30 Sep 2019 9:27

Tgt Ion: 98 Resp: 938400

Ion Ratio Lower Upper

98 100

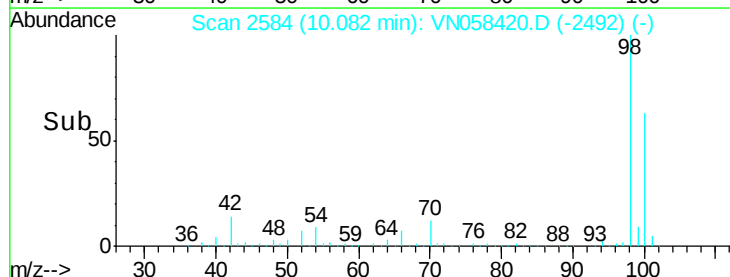
100 63.6 51.0 76.6

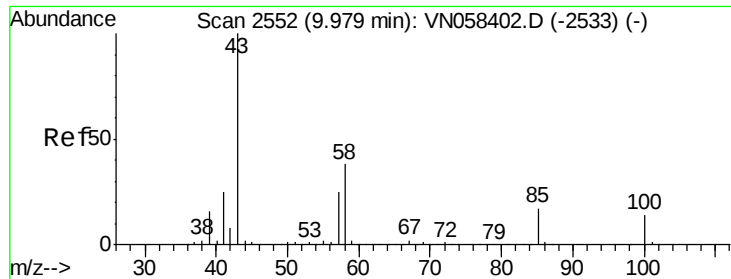


Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 255.839 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

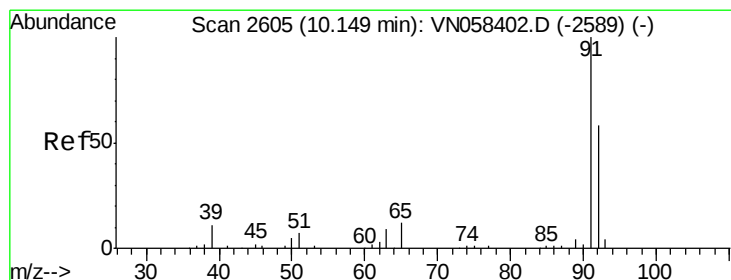
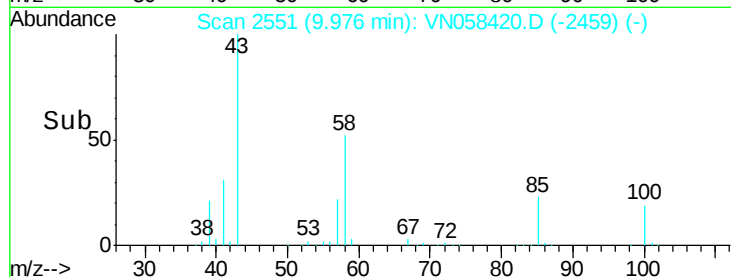
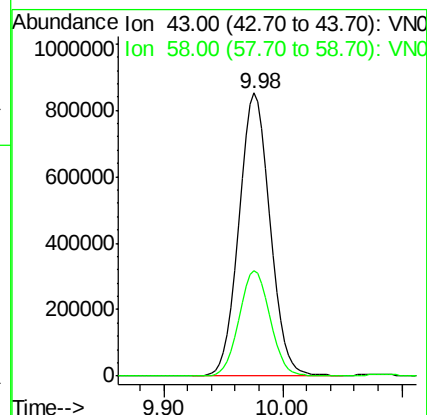
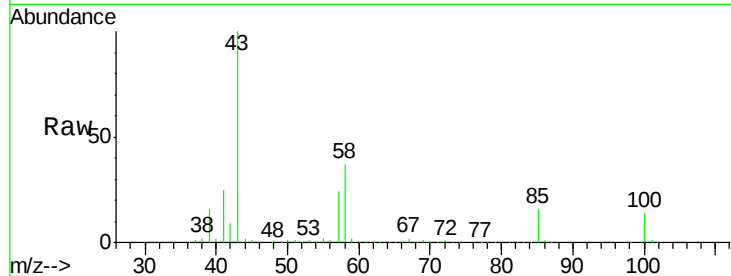
VSTDCCC050

Tot Ion: 43 Resp: 1540623

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.2



#52

Toluene

Concen: 50.280 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058420.D

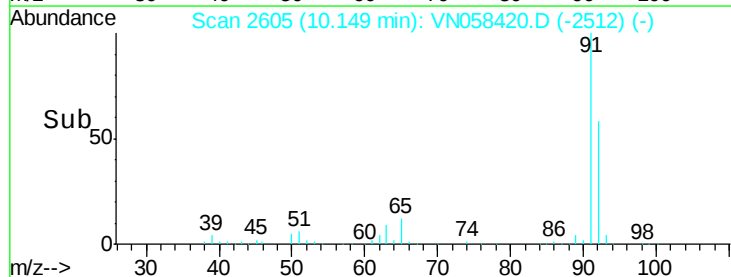
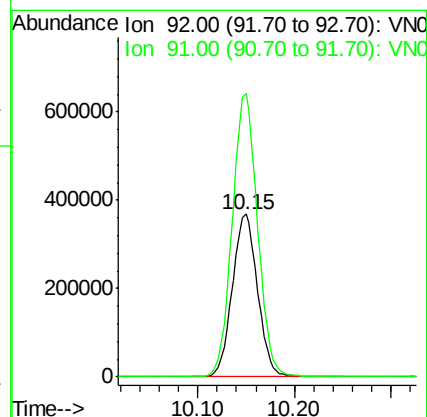
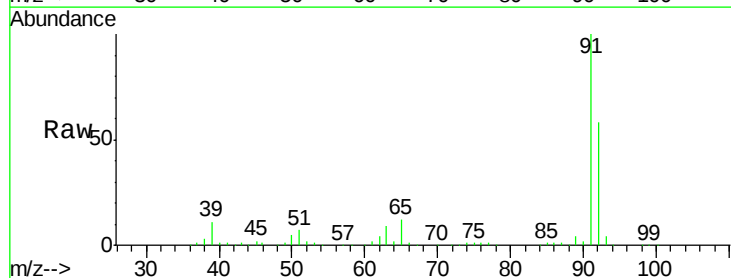
Acq: 30 Sep 2019 9:27

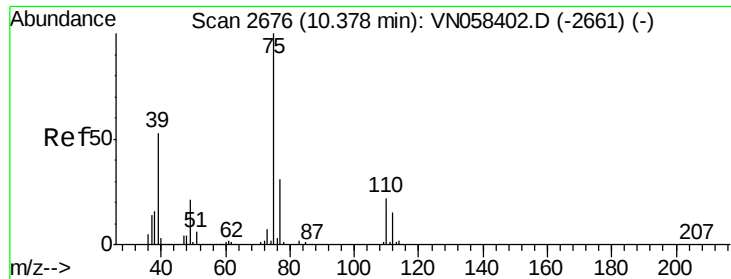
Tgt Ion: 92 Resp: 668916

Ion Ratio Lower Upper

92 100

91 173.9 140.2 210.4

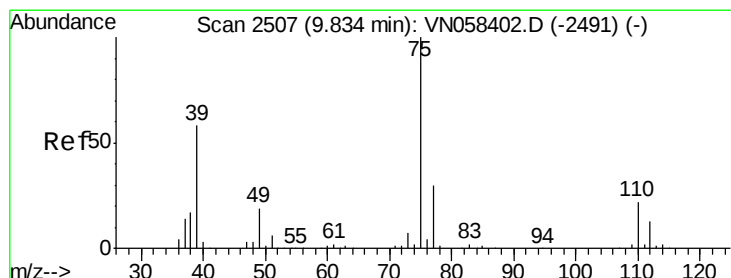
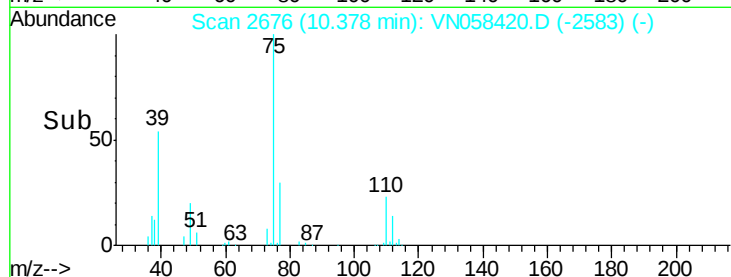
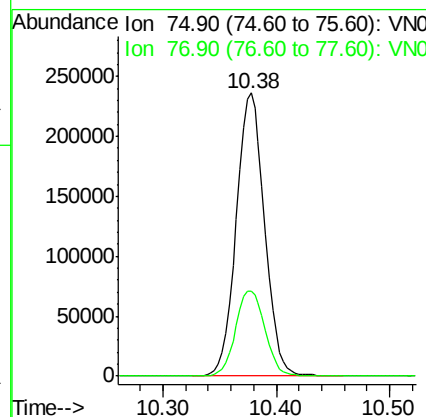
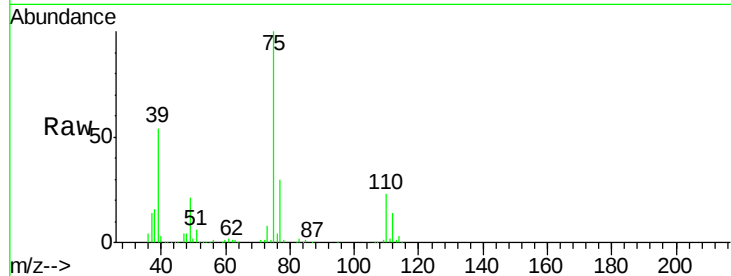




#53
t-1,3-Dichloropropene
Concen: 55.527 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

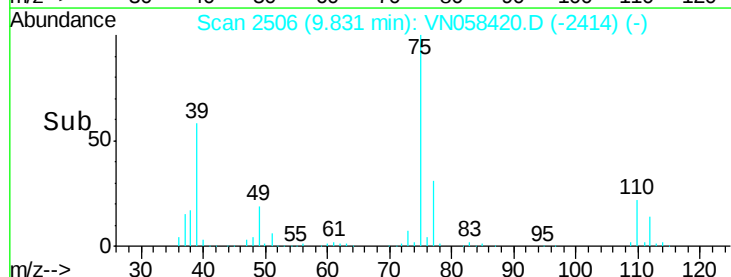
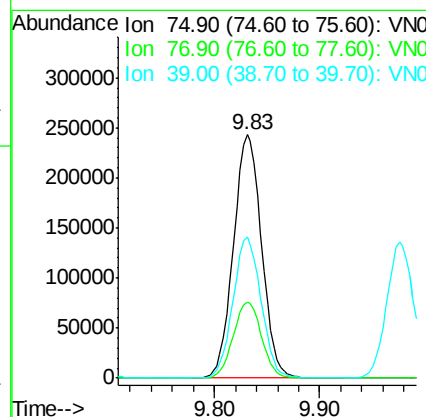
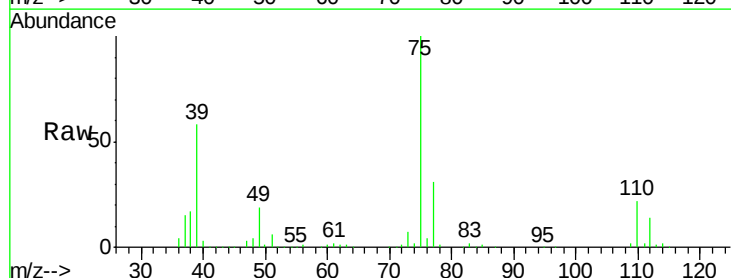
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

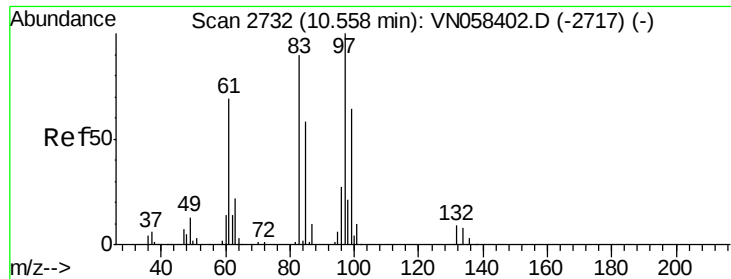
Tot Ion: 75 Resp: 411074
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 54.544 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 75 Resp: 448235
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.4
39 57.7 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 51.207 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 248054

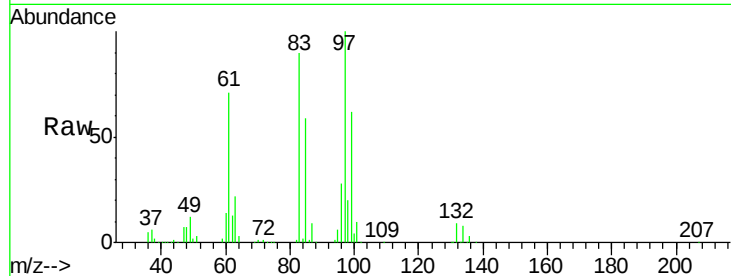
Ion Ratio Lower Upper

97 100

83 89.9 71.8 107.6

85 58.9 46.6 69.8

99 62.0 51.5 77.3



Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

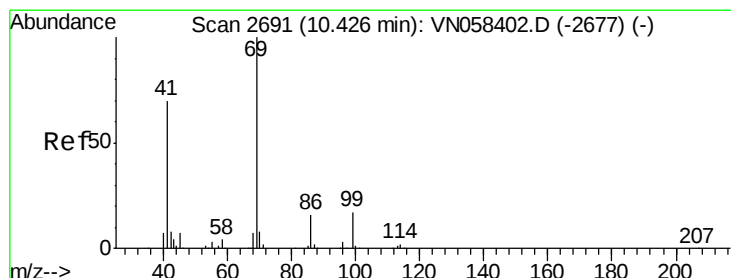
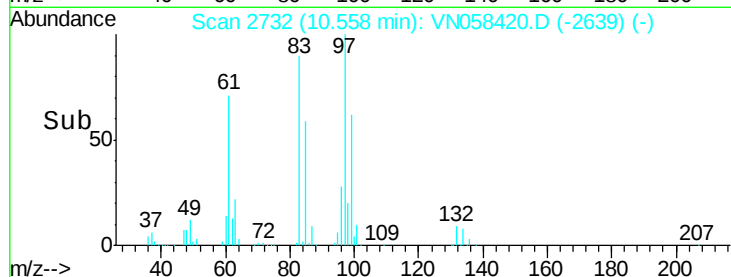
100000

50000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 51.874 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

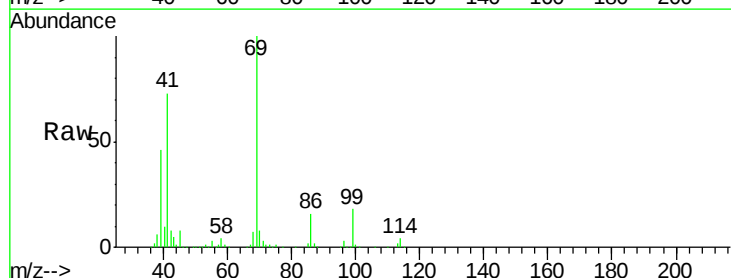
Tgt Ion: 69 Resp: 381303

Ion Ratio Lower Upper

69 100

41 71.5 56.3 84.5

39 45.6 35.8 53.6



Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

300000

250000

200000

150000

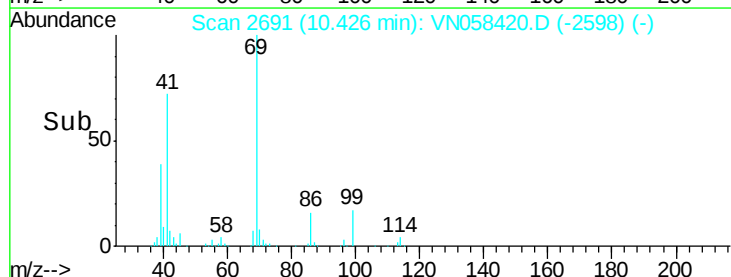
100000

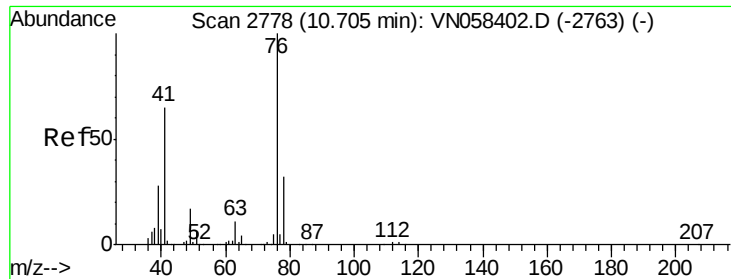
50000

0

10.35 10.40 10.45 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 51.297 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

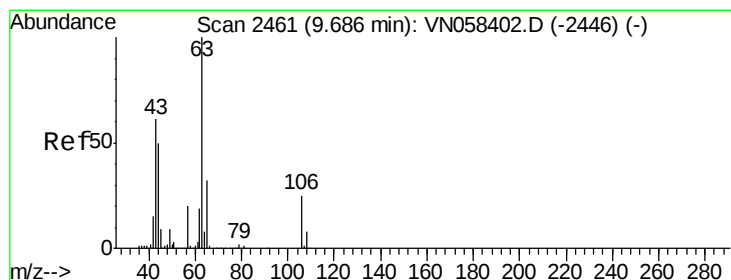
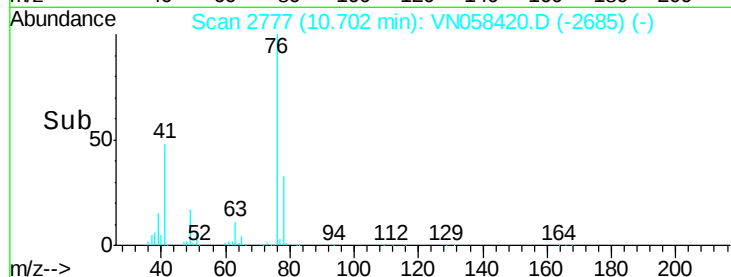
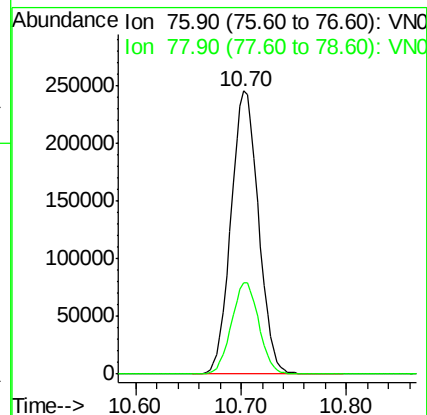
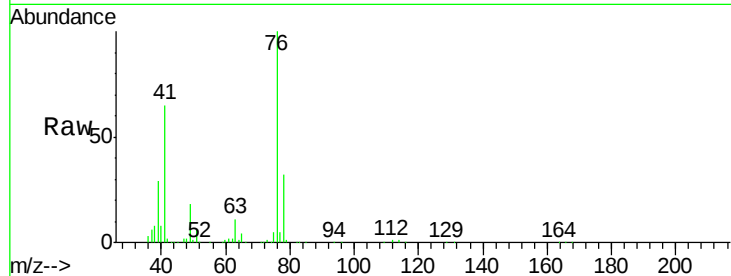
VSTDCCC050

Tot Ion: 76 Resp: 443242

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 253.964 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058420.D

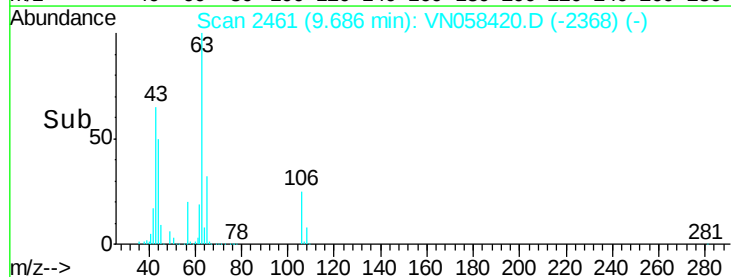
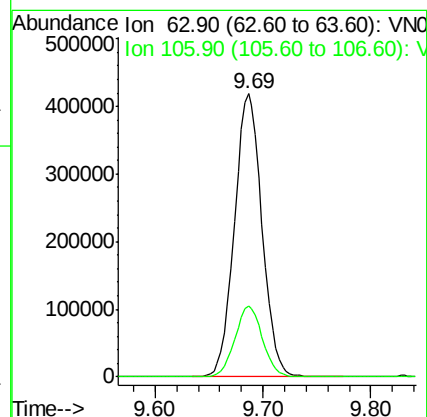
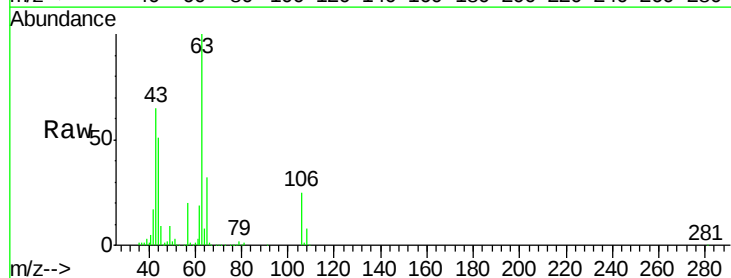
Acq: 30 Sep 2019 9:27

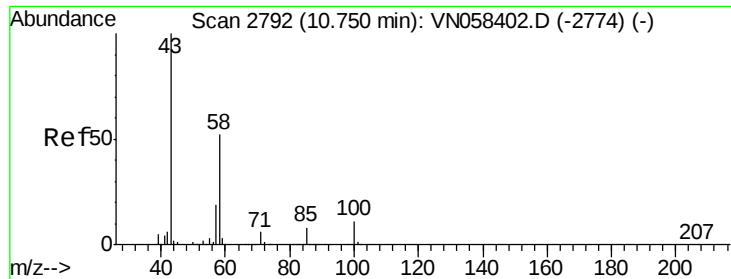
Tgt Ion: 63 Resp: 744374

Ion Ratio Lower Upper

63 100

106 25.1 20.3 30.5

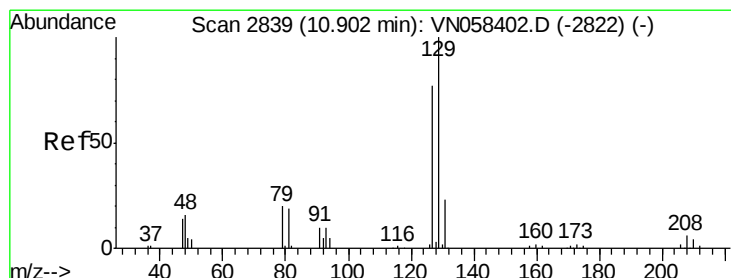
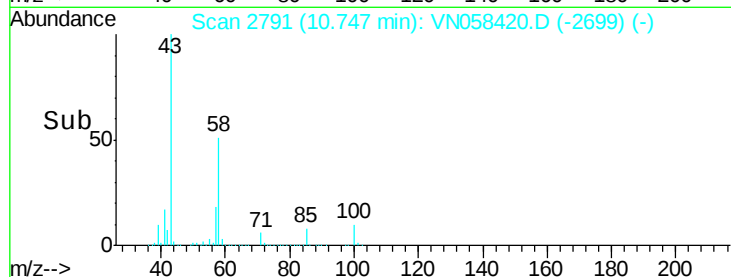
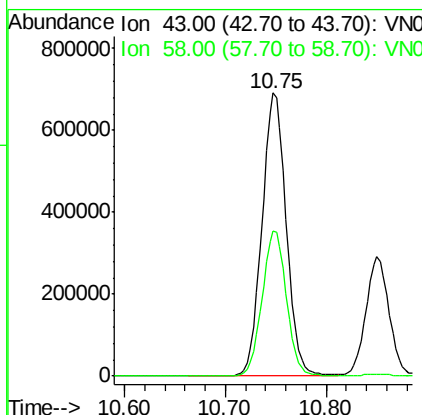
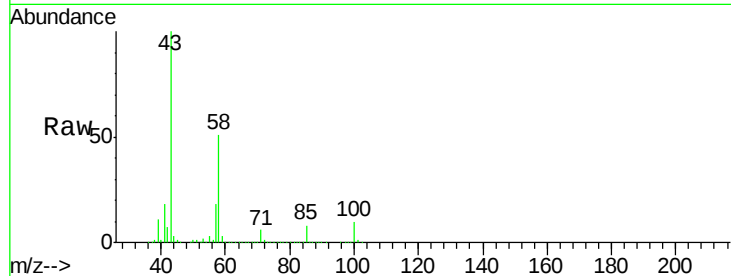




#59
2-Hexanone
Concen: 263.190 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

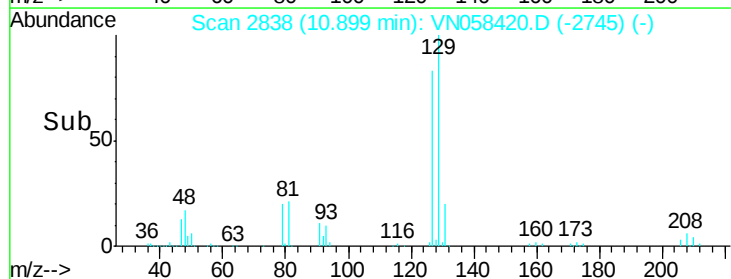
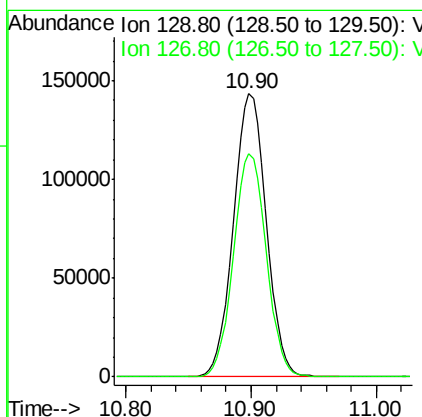
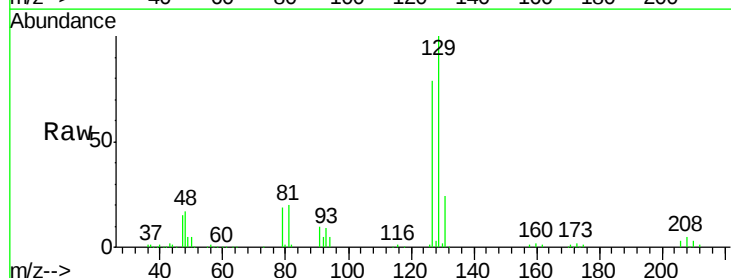
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

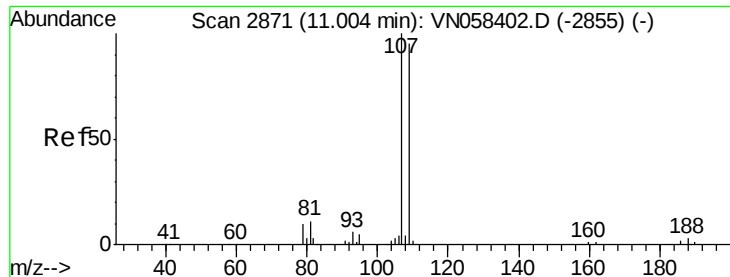
Tot Ion: 43 Resp: 1154036
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3



#60
Dibromochloromethane
Concen: 52.042 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion:129 Resp: 260950
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.925 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

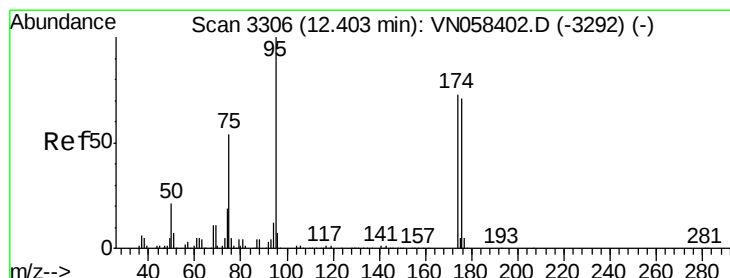
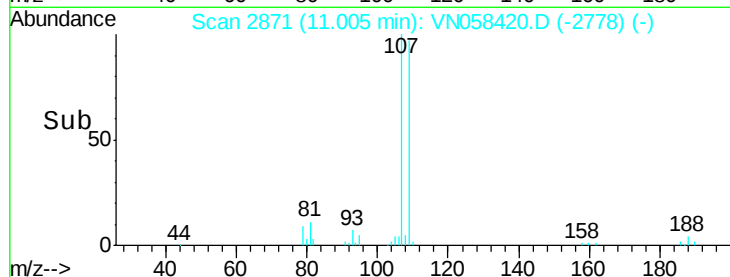
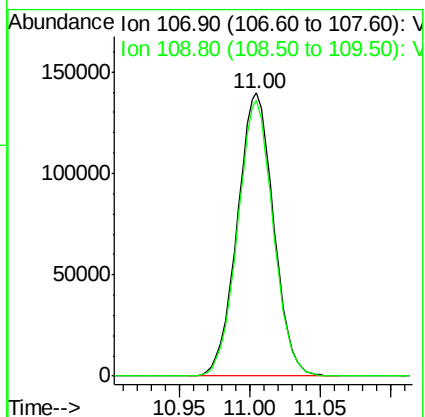
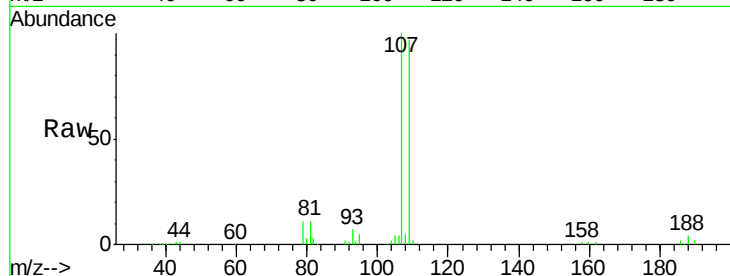
VSTDCCC050

Tot Ion: 107 Resp: 252065

Ion Ratio Lower Upper

107 100

109 95.3 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 52.314 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

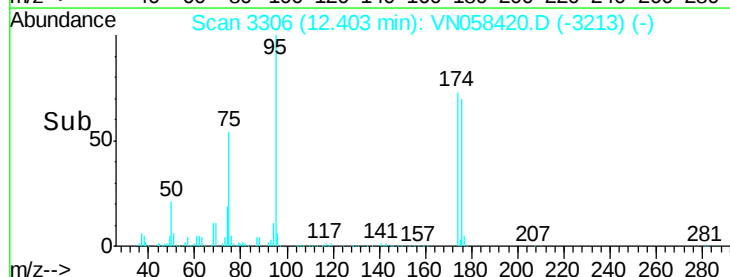
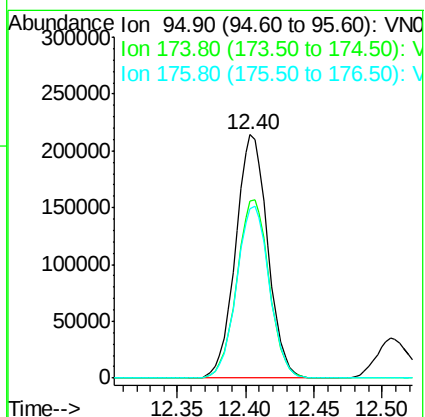
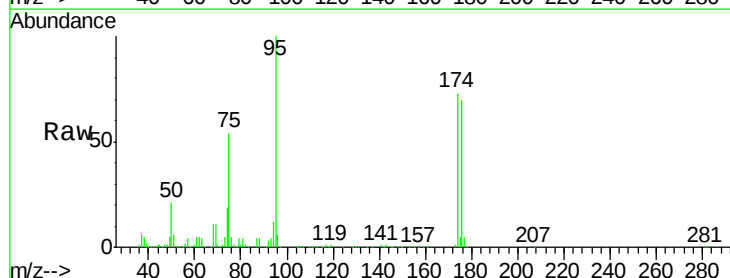
Tgt Ion: 95 Resp: 349248

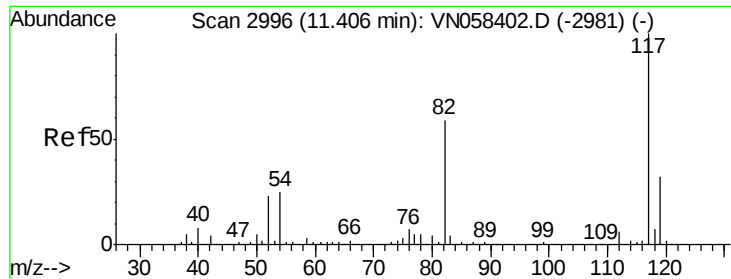
Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.6

176 71.9 0.0 146.2

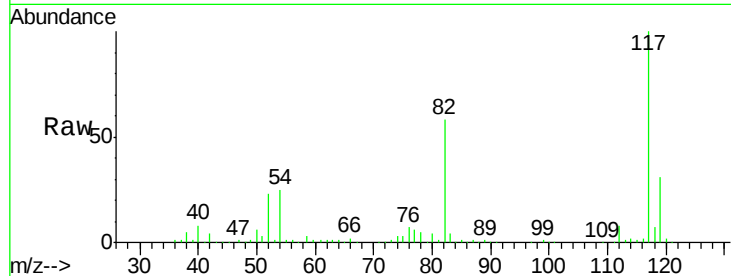




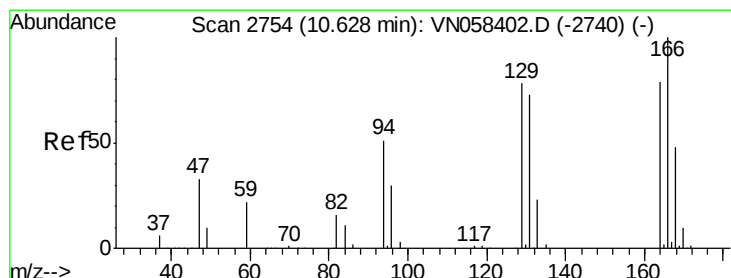
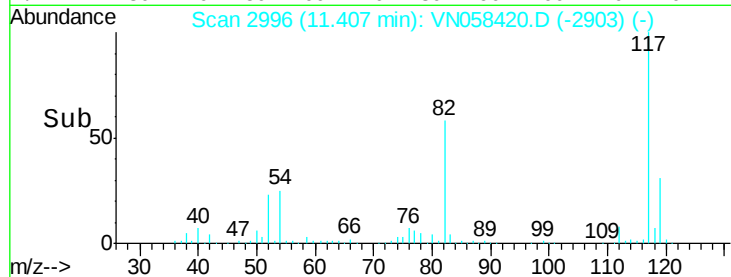
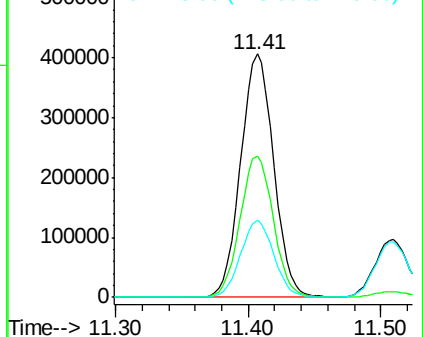
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:117 Resp: 702974
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.0
119 31.5 25.5 38.3



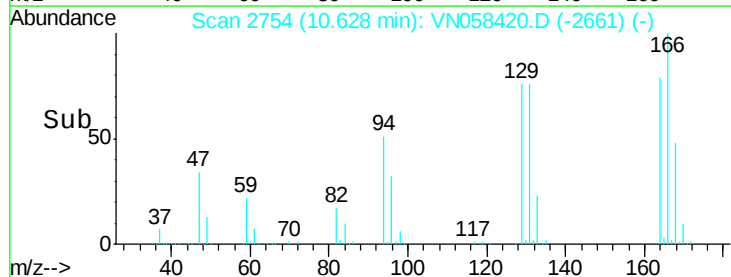
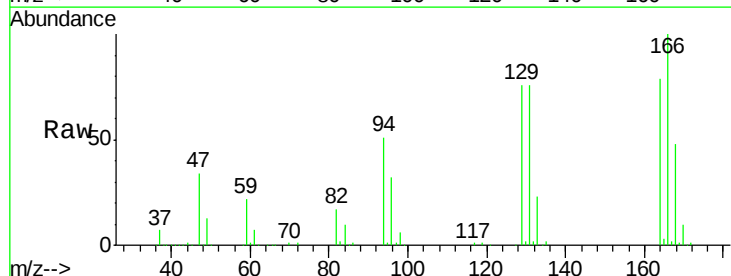
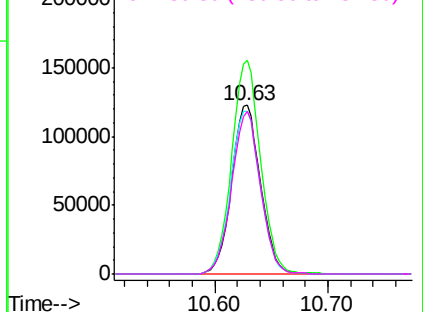
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

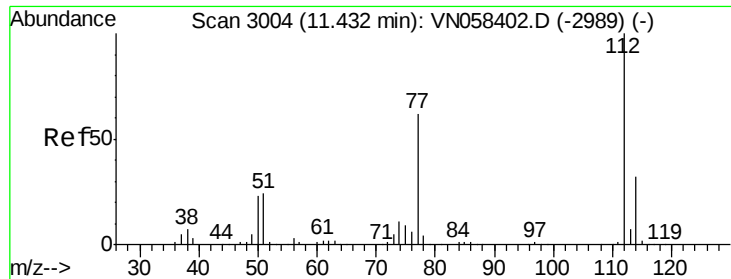


#64
Tetrachloroethene
Concen: 48.869 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion:164 Resp: 218259
Ion Ratio Lower Upper
164 100
166 126.7 101.1 151.7
129 96.8 79.2 118.8
131 96.3 74.1 111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

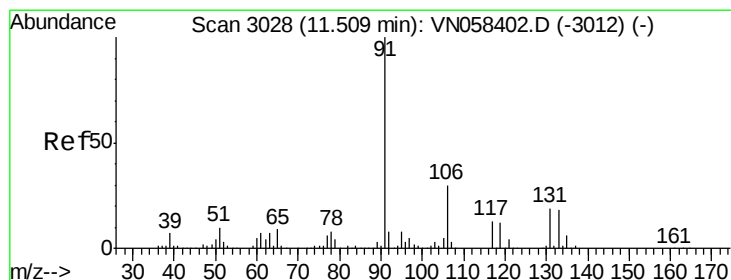
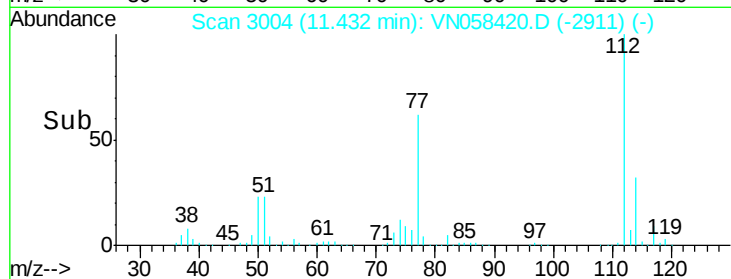
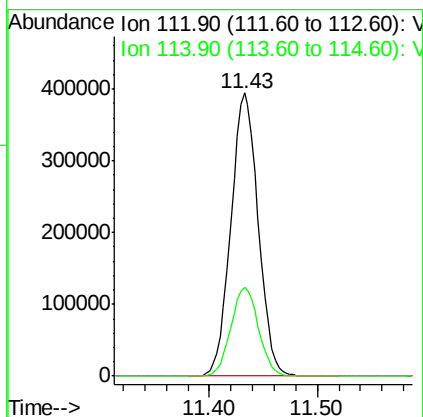
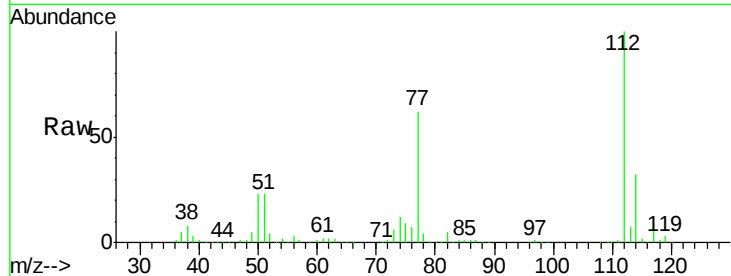




#65
Chlorobenzene
Concen: 49.786 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

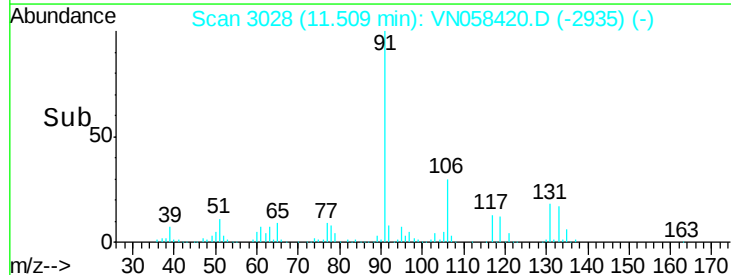
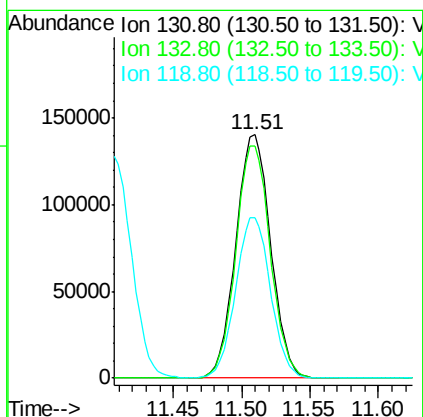
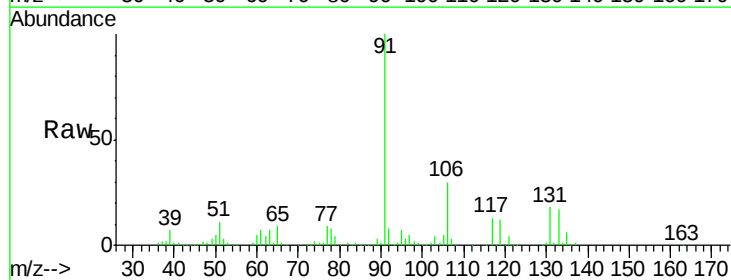
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

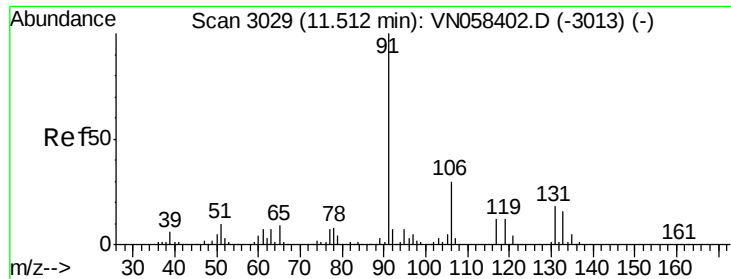
Tot Ion:112 Resp: 695689
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.971 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion:131 Resp: 249386
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 66.1 33.0 99.0

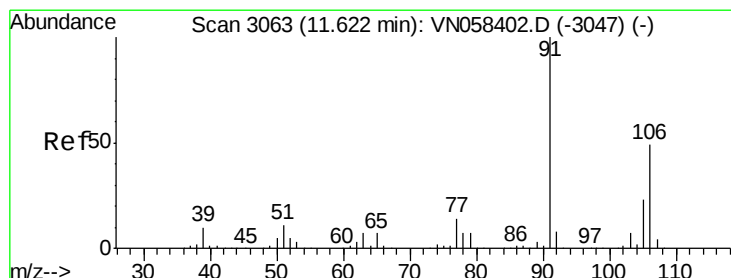
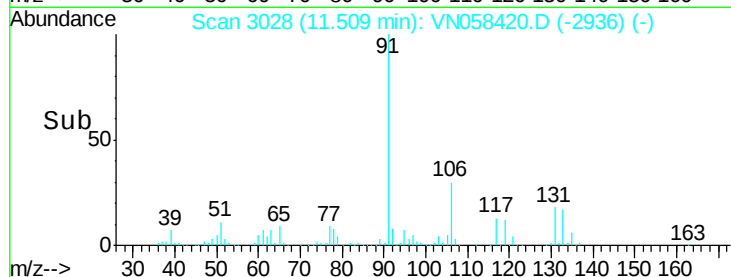
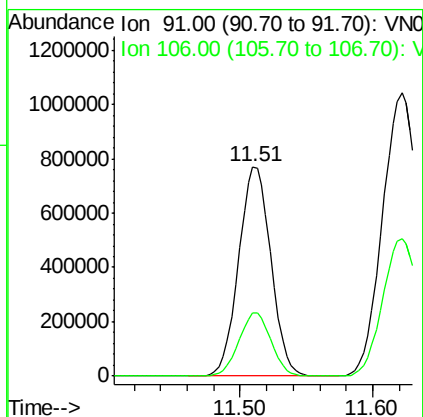
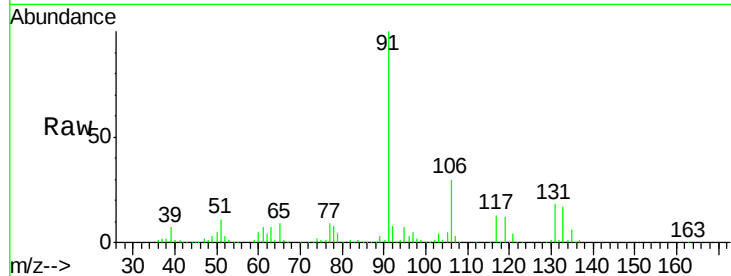




#67
Ethyl Benzene
Concen: 51.427 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

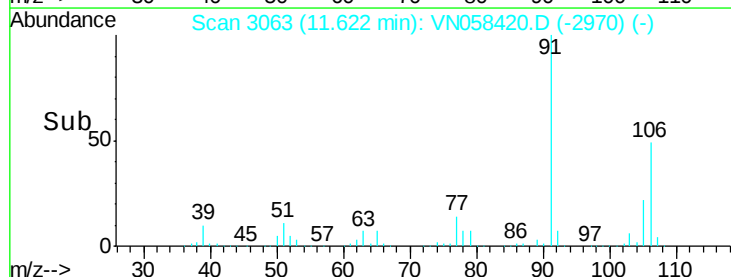
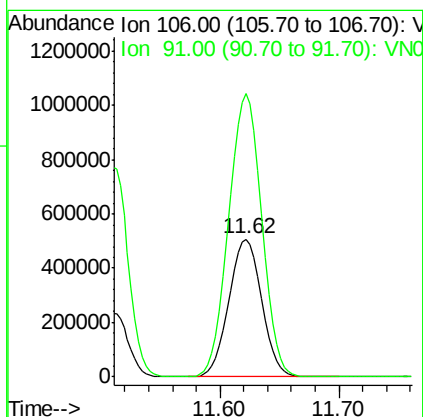
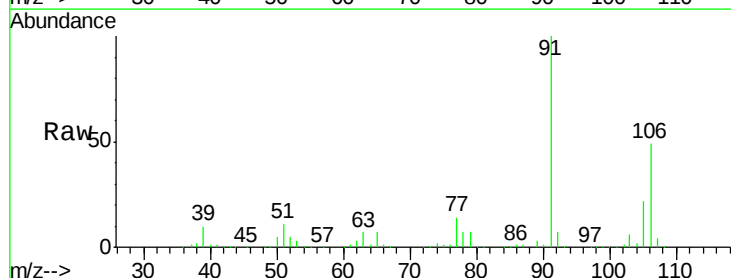
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

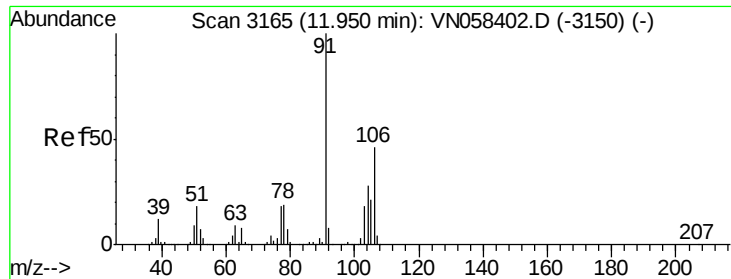
Tot Ion: 91 Resp: 1301613
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 101.566 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 106 Resp: 967180
Ion Ratio Lower Upper
106 100
91 207.3 165.0 247.4

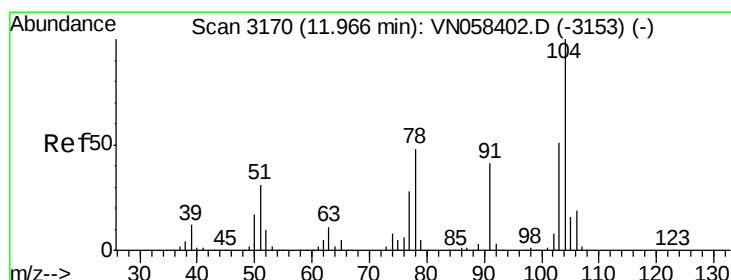
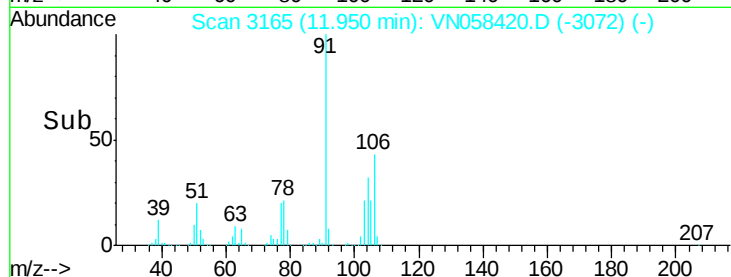
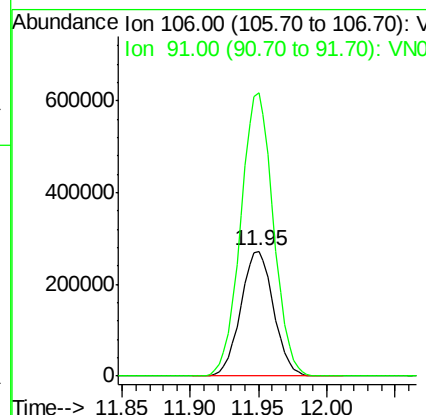
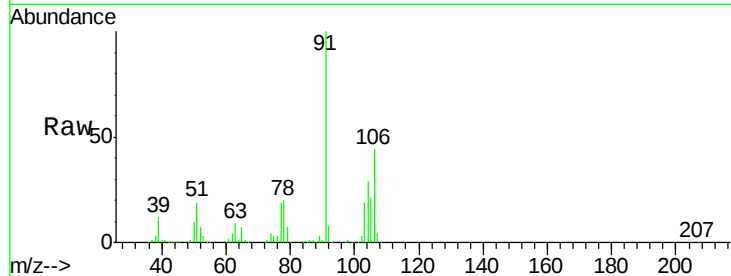




#69
o-Xylene
Concen: 49.713 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

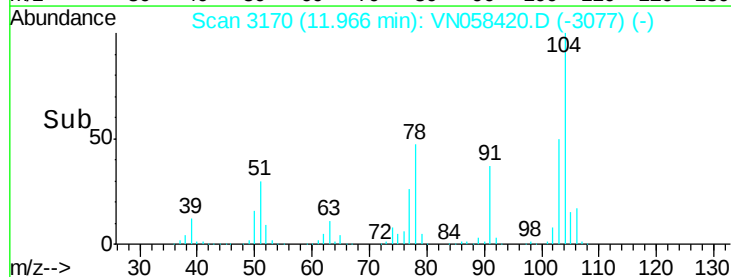
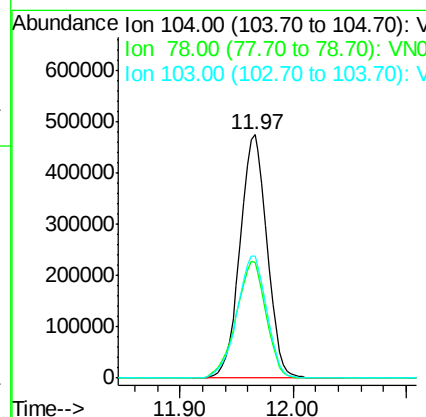
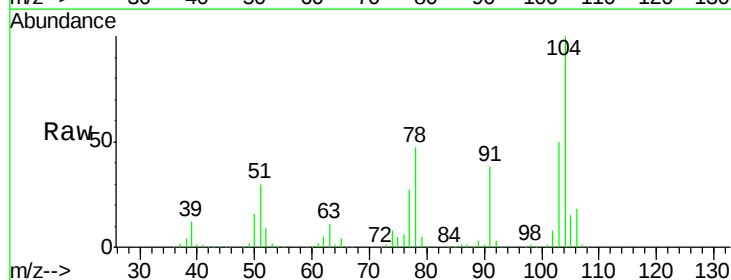
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

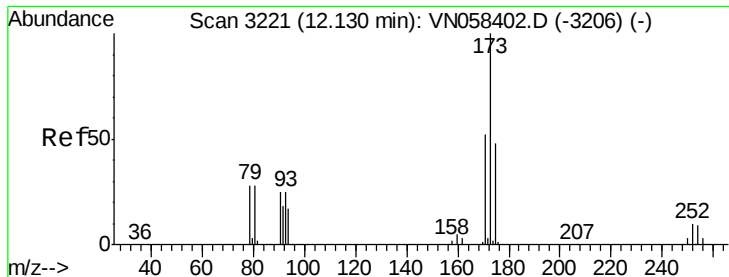
Tot Ion:106 Resp: 455711
Ion Ratio Lower Upper
106 100
91 225.1 109.1 327.4



#70
Styrene
Concen: 53.027 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion:104 Resp: 789690
Ion Ratio Lower Upper
104 100
78 52.8 42.8 64.2
103 55.2 43.7 65.5





#71

Bromoform

Concen: 50.369 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

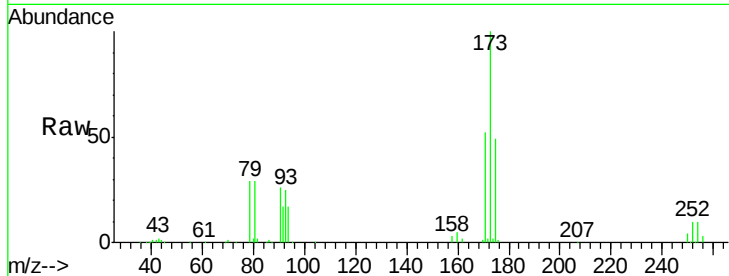
Tot Ion:173 Resp: 163894

Ion Ratio Lower Upper

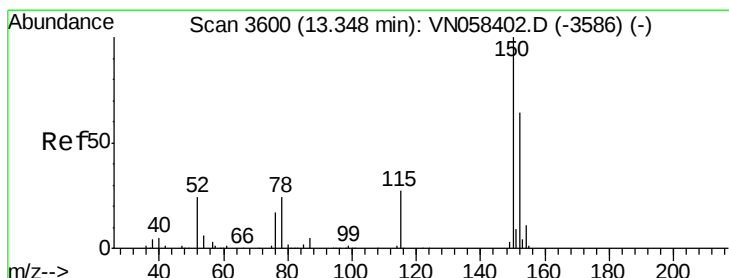
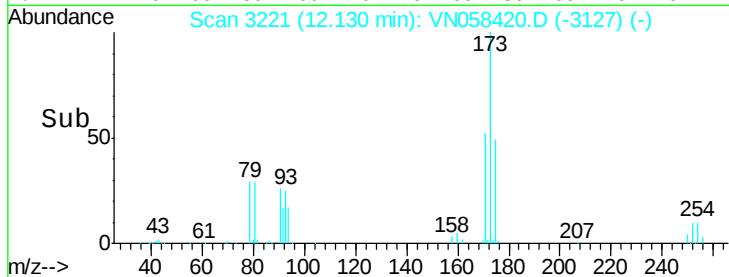
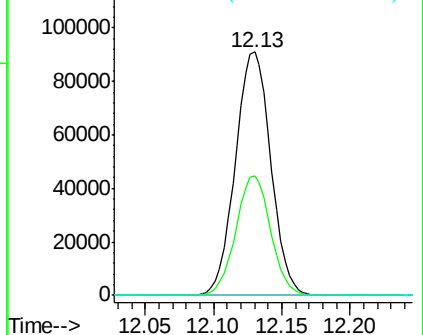
173 100

175 48.3 24.3 73.0

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

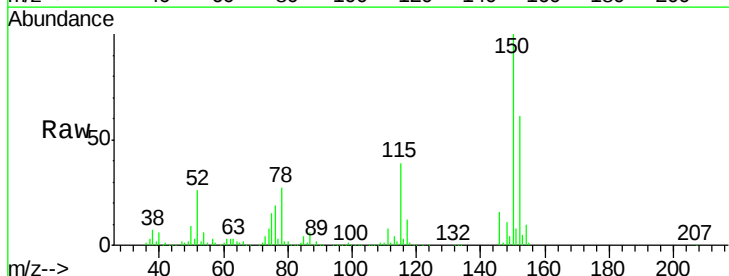
Tgt Ion:152 Resp: 345253

Ion Ratio Lower Upper

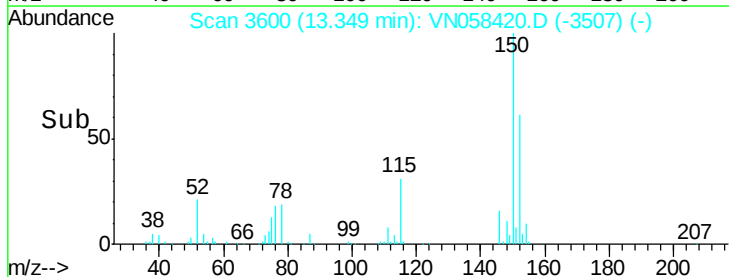
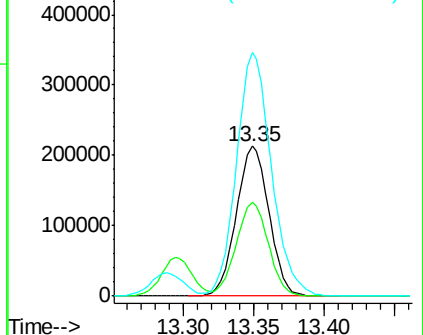
152 100

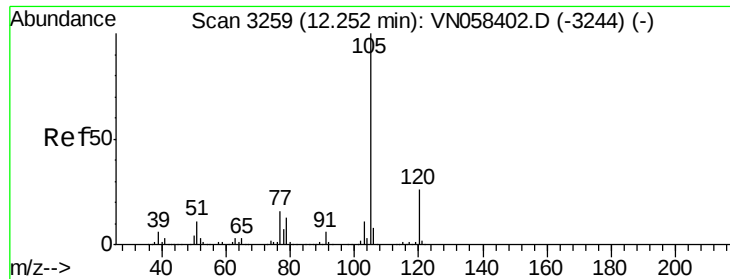
115 61.7 30.0 90.0

150 174.0 0.0 348.2



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: 49.893 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

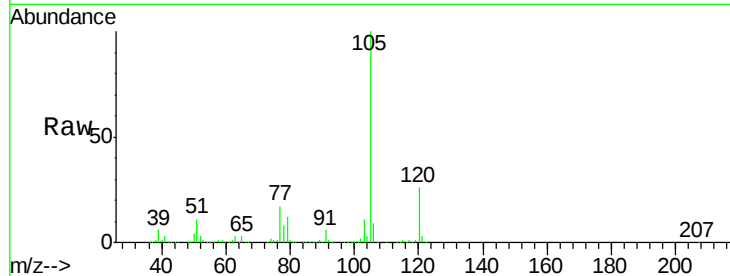
VSTDCCC050

Tot Ion:105 Resp: 1273019

Ion Ratio Lower Upper

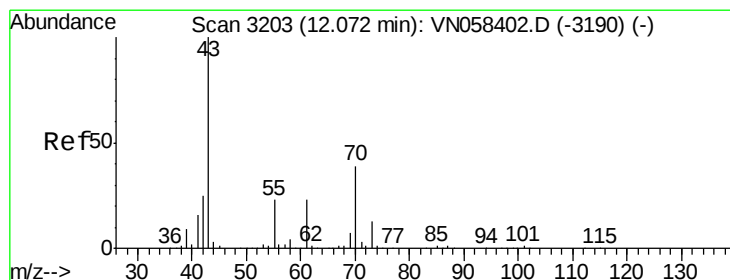
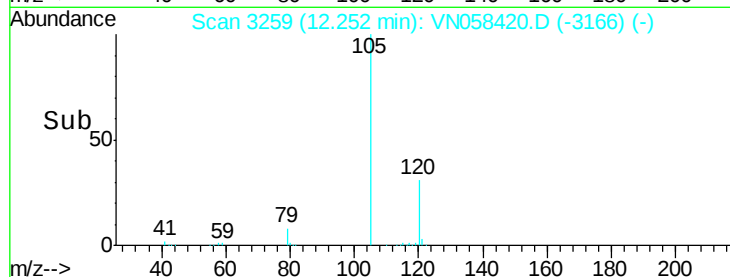
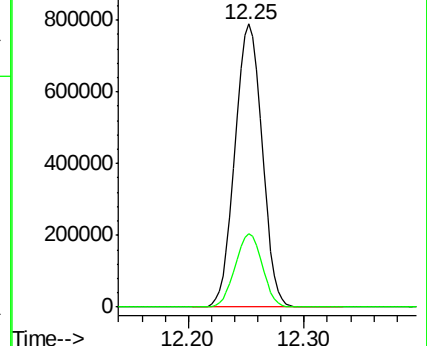
105 100

120 25.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.109 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion: 43 Resp: 488331

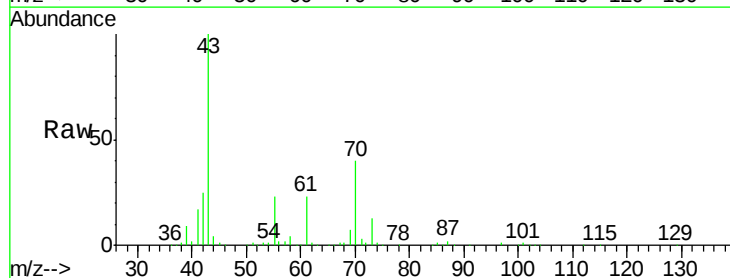
Ion Ratio Lower Upper

43 100

70 39.5 31.4 47.2

55 23.3 18.2 27.4

61 22.3 18.3 27.5

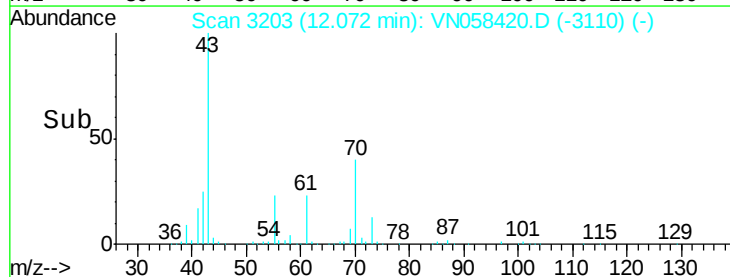
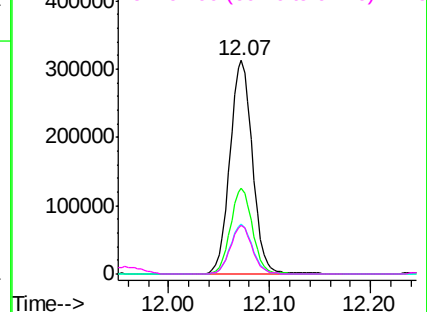


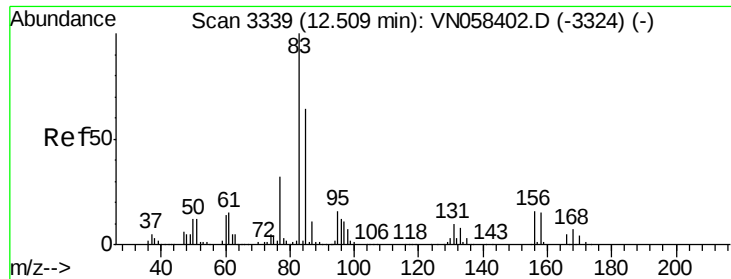
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.479 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

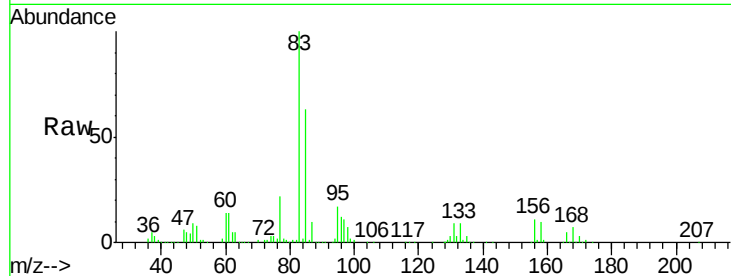
Tot Ion: 83 Resp: 350678

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

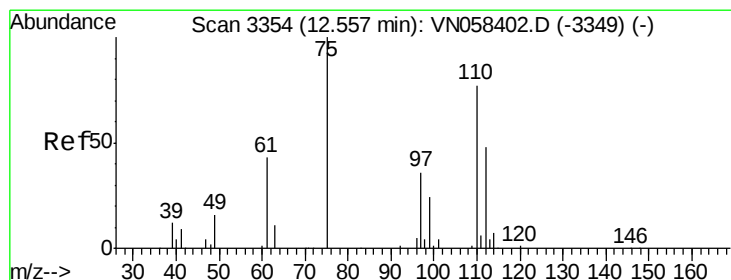
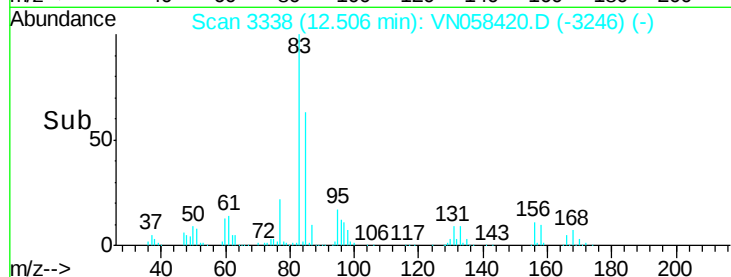
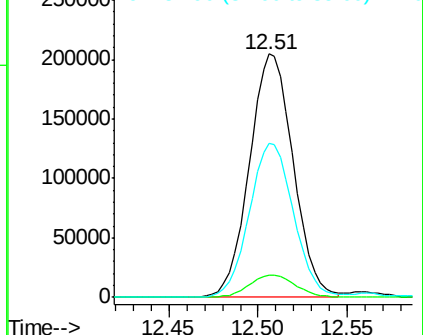
85 64.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 71.302 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058420.D

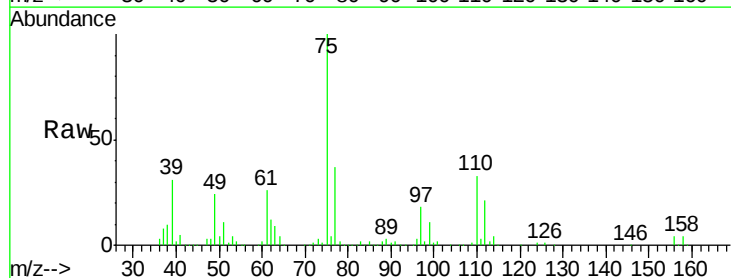
Acq: 30 Sep 2019 9:27

Tgt Ion: 75 Resp: 449633

Ion Ratio Lower Upper

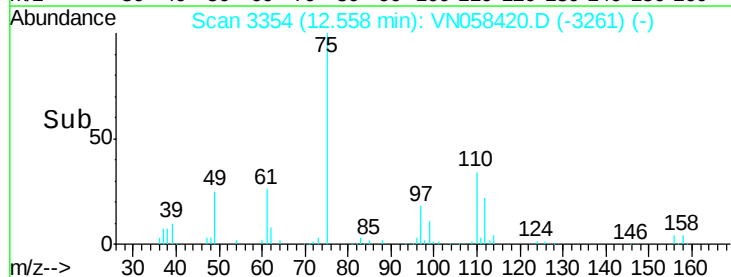
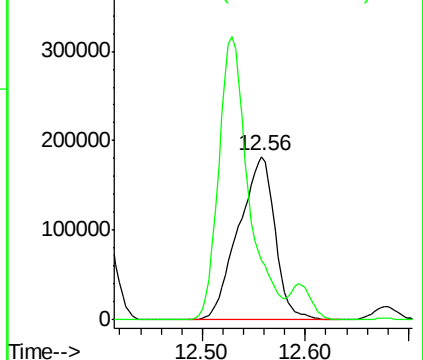
75 100

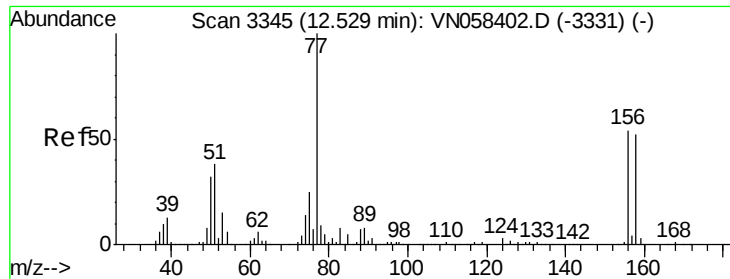
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

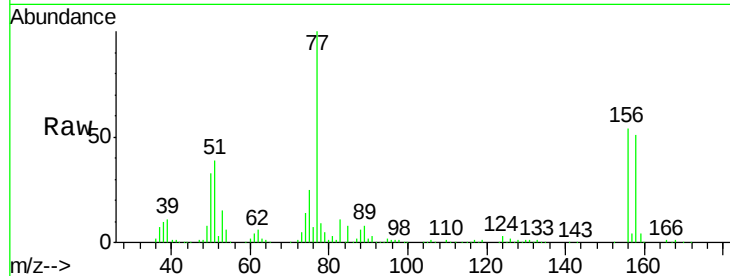




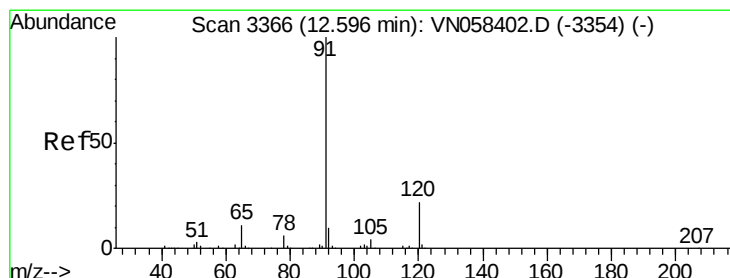
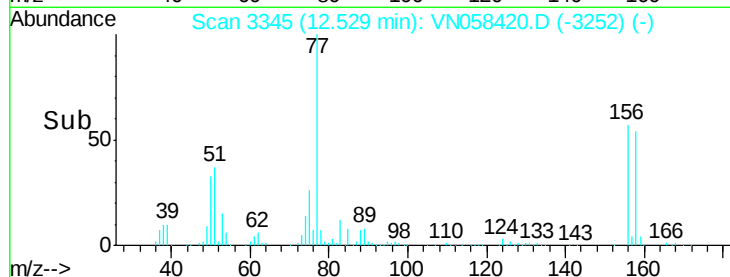
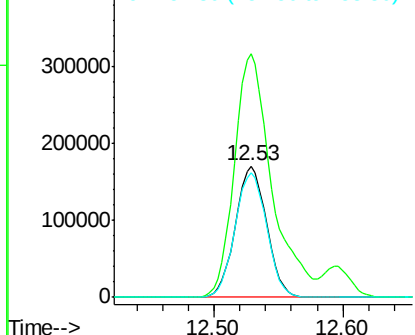
#77
Bromobenzene
Concen: 47.863 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 286353
Ion Ratio Lower Upper
156 100
77 223.5 110.0 330.0
158 96.5 47.9 143.8

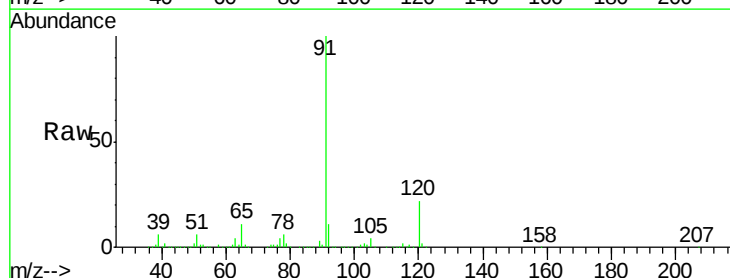


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

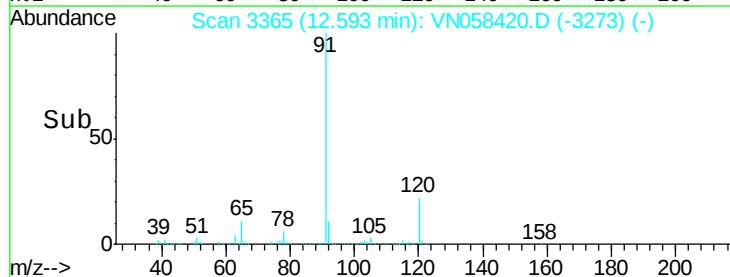
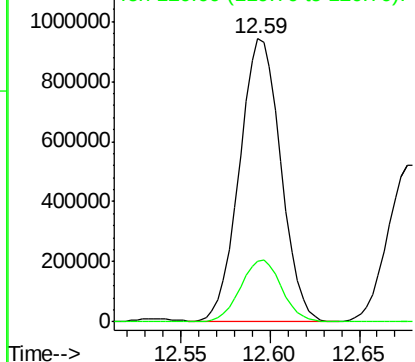


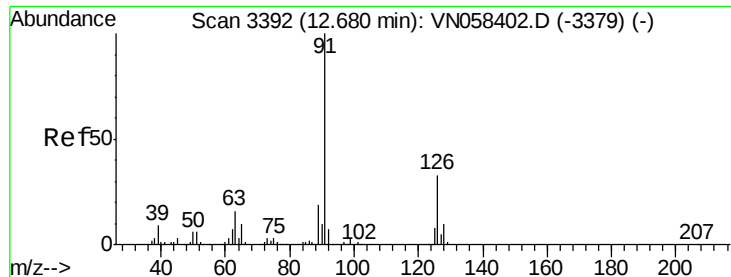
#78
n-propylbenzene
Concen: 52.708 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 91 Resp: 1515118
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.188 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

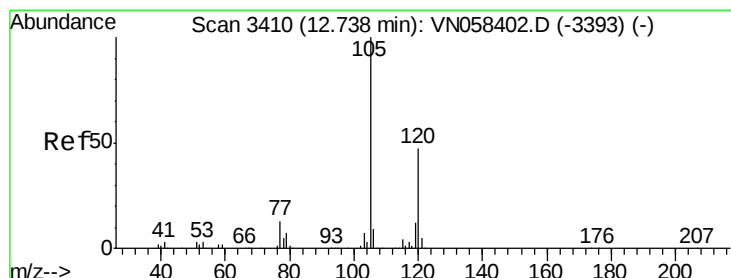
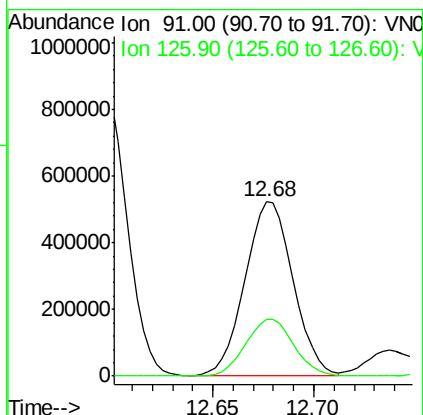
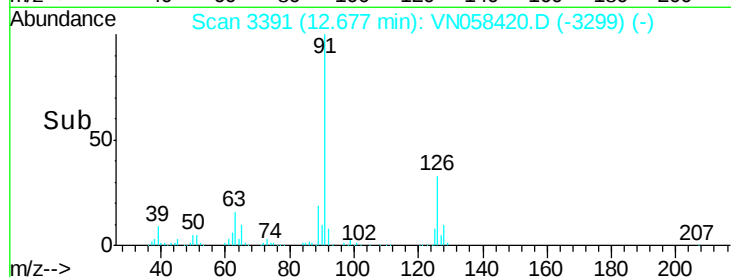
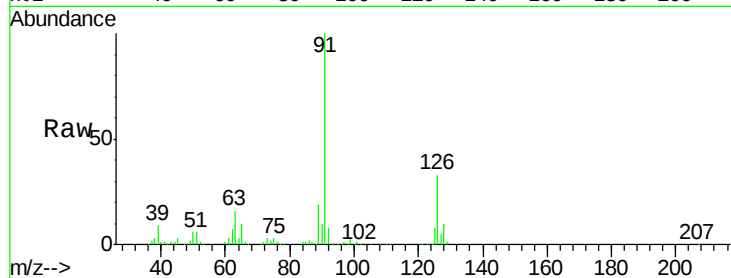
VSTDCCC050

Tot Ion: 91 Resp: 872733

Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 51.216 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058420.D

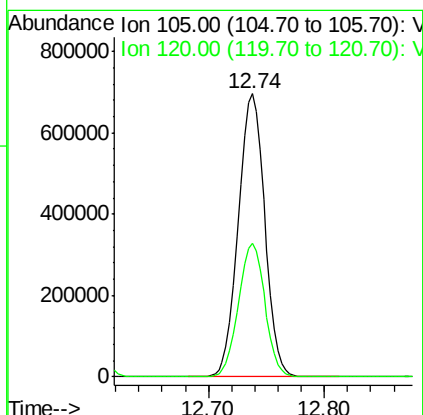
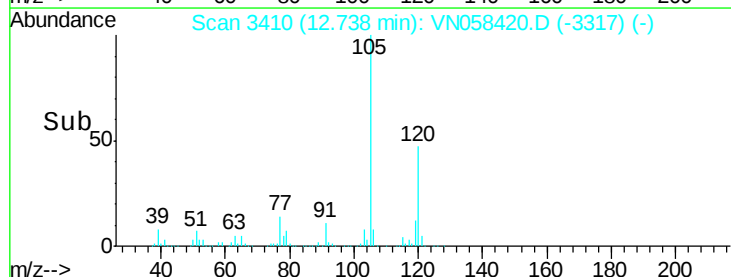
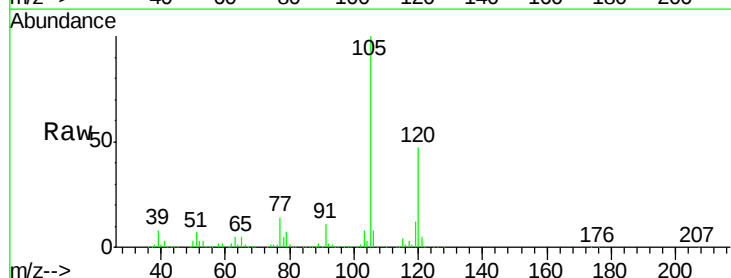
Acq: 30 Sep 2019 9:27

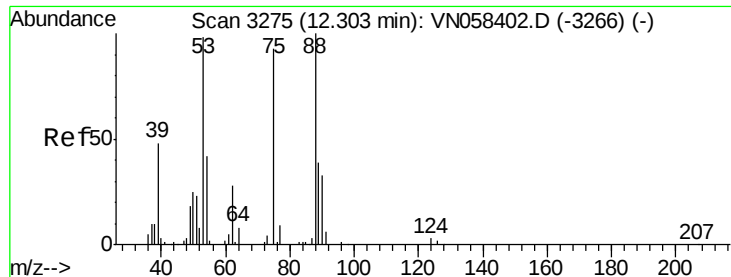
Tgt Ion:105 Resp: 1093912

Ion Ratio Lower Upper

105 100

120 47.2 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.383 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

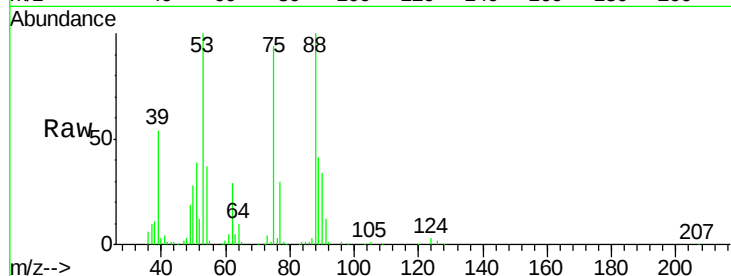
Tot Ion: 75 Resp: 106688

Ion Ratio Lower Upper

75 100

53 107.6 85.4 128.0

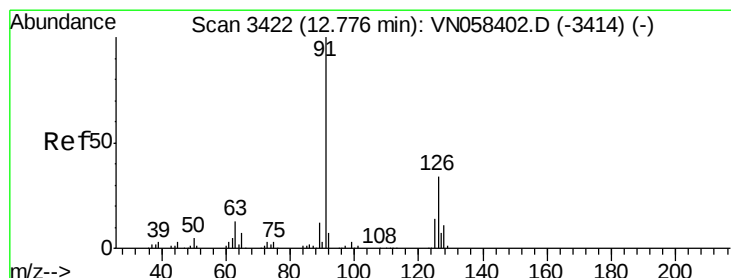
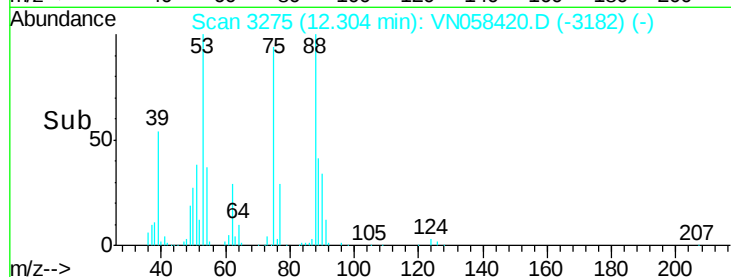
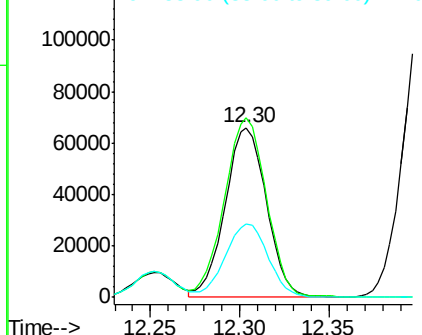
89 44.3 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.791 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058420.D

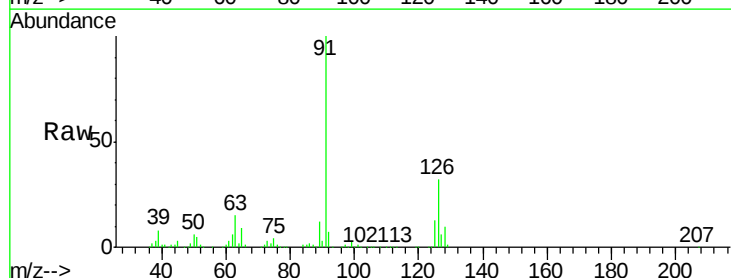
Acq: 30 Sep 2019 9:27

Tgt Ion: 91 Resp: 919559

Ion Ratio Lower Upper

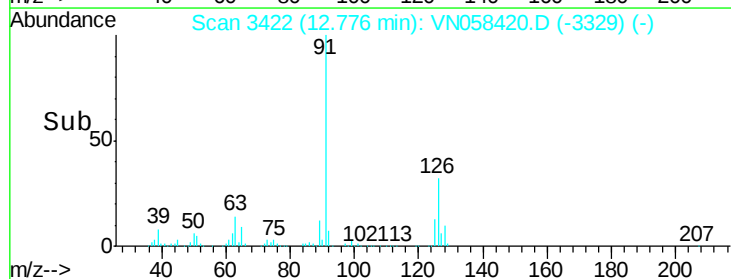
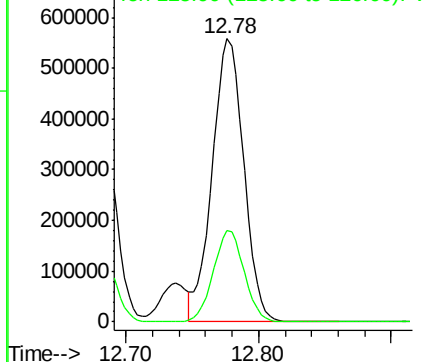
91 100

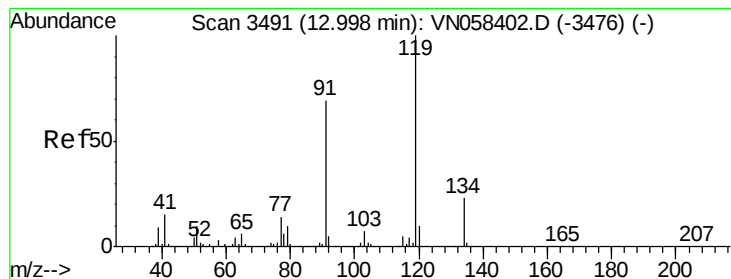
126 31.6 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.168 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

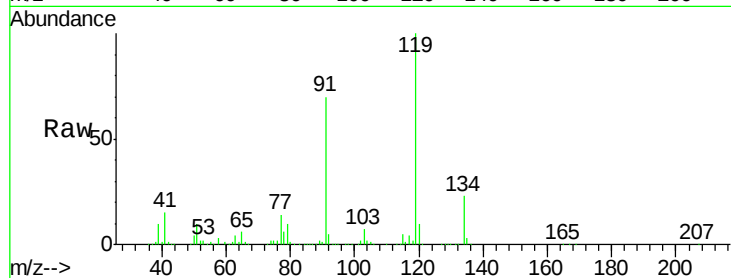
Tot Ion:119 Resp: 904165

Ion Ratio Lower Upper

119 100

91 68.3 34.2 102.6

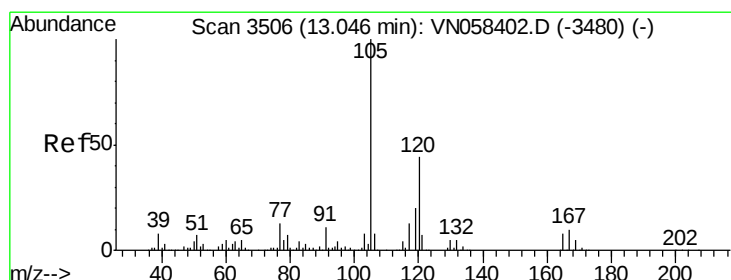
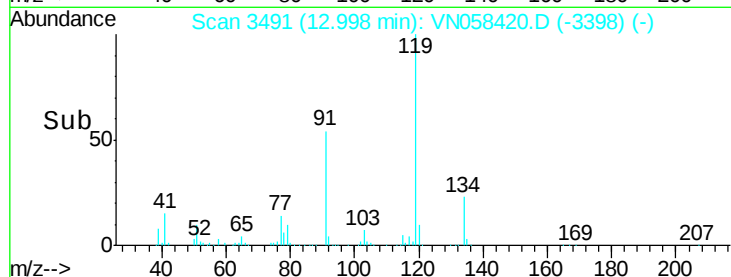
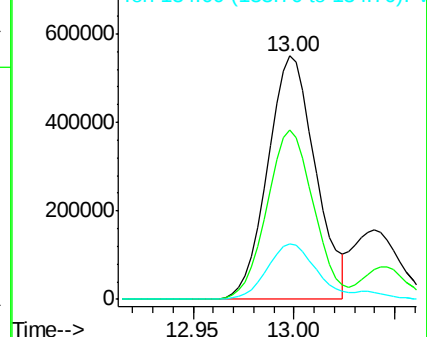
134 23.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.251 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058420.D

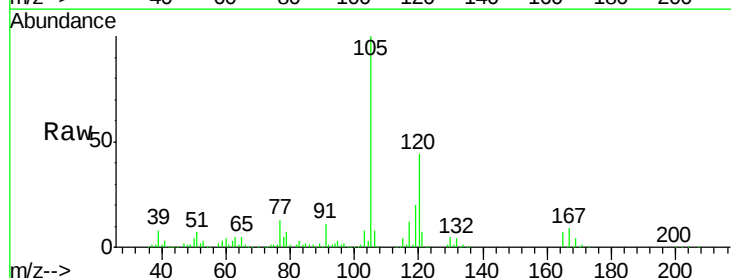
Acq: 30 Sep 2019 9:27

Tgt Ion:105 Resp: 1096734

Ion Ratio Lower Upper

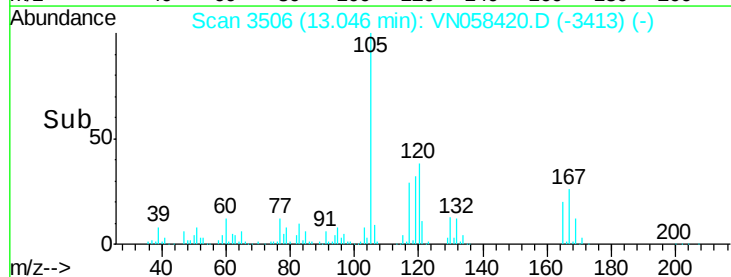
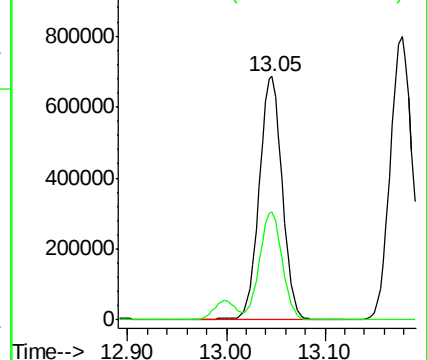
105 100

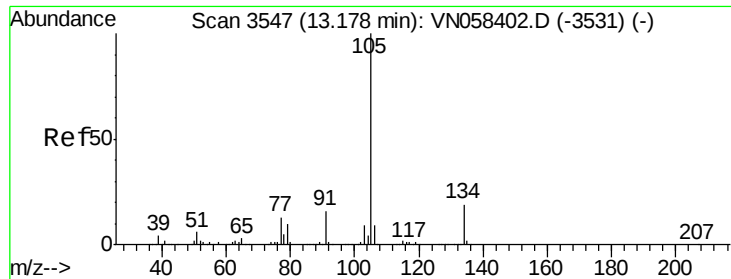
120 43.9 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

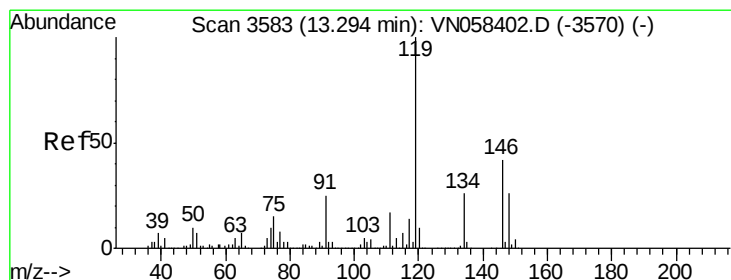
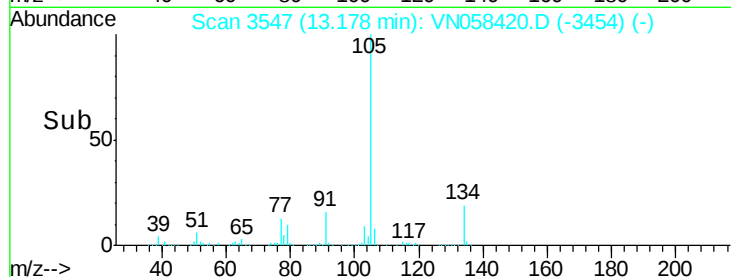
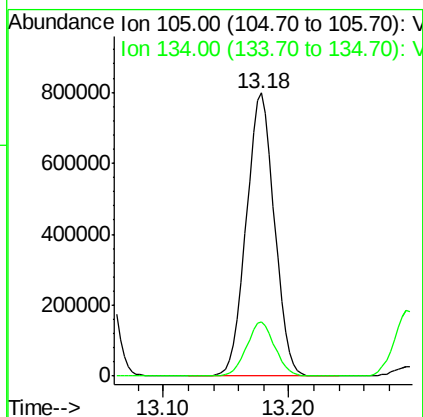
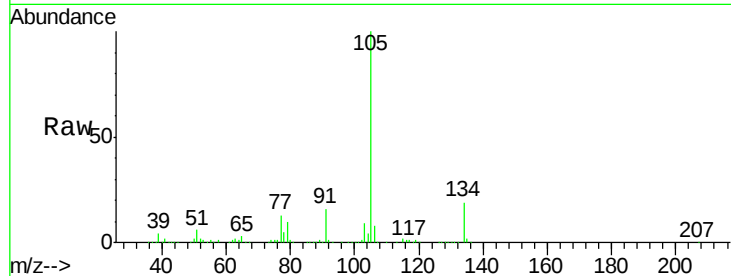




#85
 sec-Butylbenzene
 Concen: 52.483 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

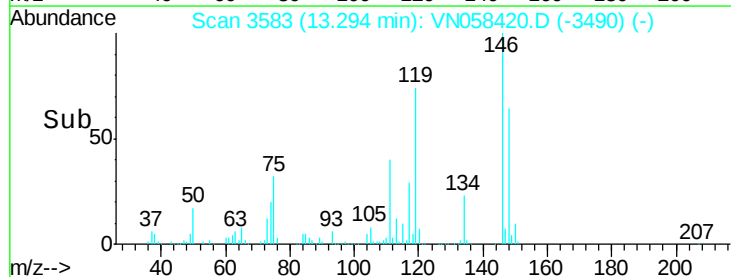
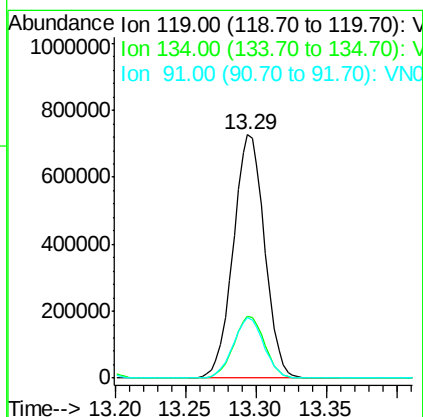
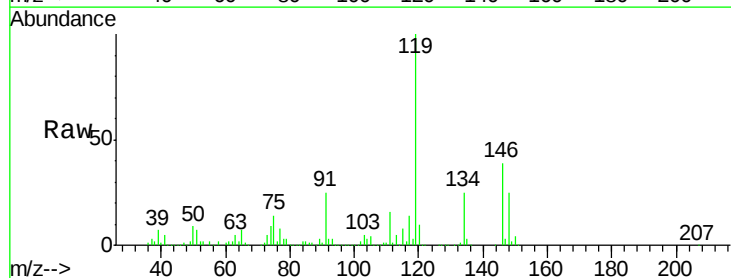
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

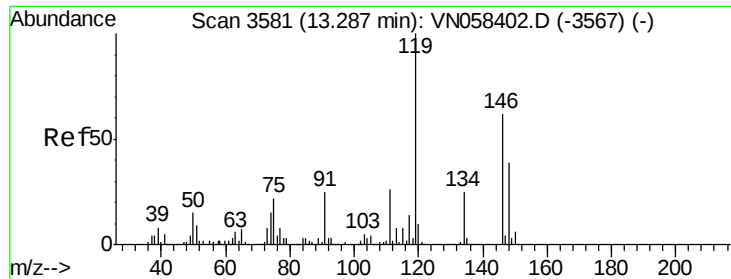
Tot Ion:105 Resp: 1244982
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 53.860 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion:119 Resp: 1124629
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 24.4 12.4 37.0

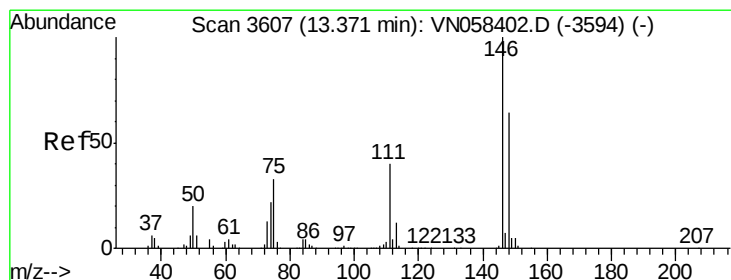
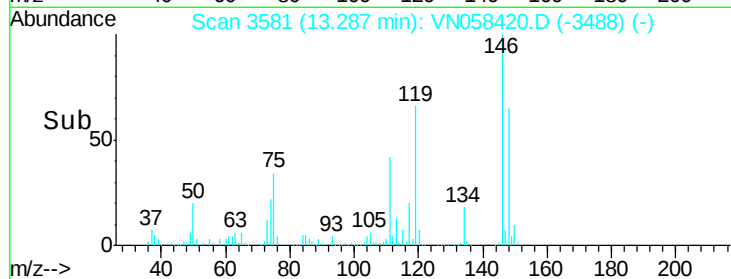
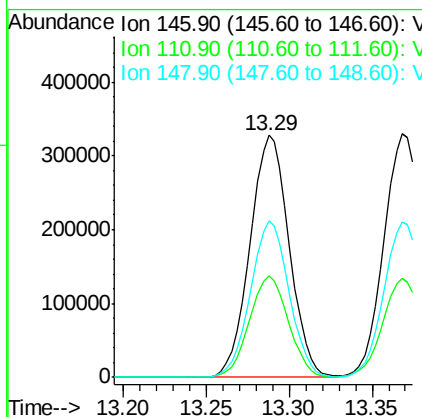
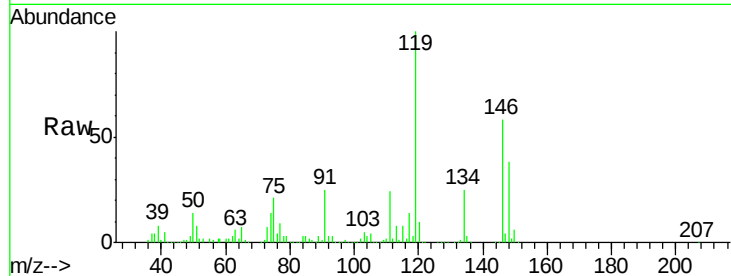




#87
 1,3-Dichlorobenzene
 Concen: 49.749 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

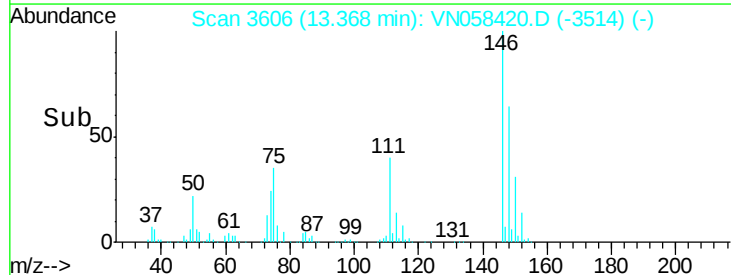
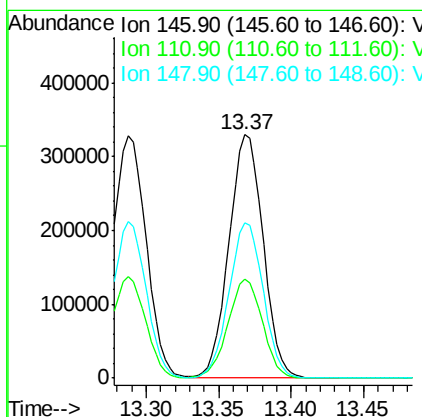
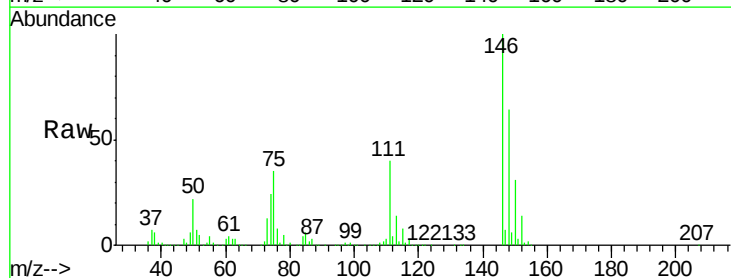
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

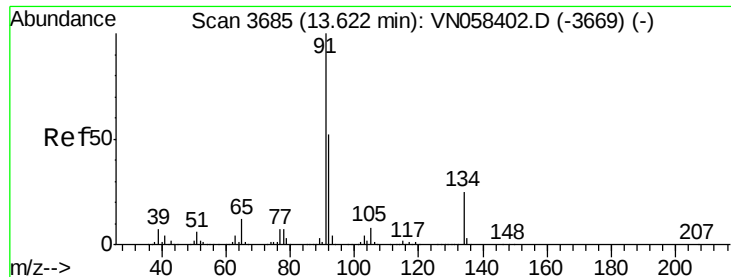
Tot Ion:146 Resp: 539694
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.4
 148 63.7 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.895 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion:146 Resp: 538530
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.5 61.6
 148 64.0 31.5 94.5





#89

n-Butylbenzene

Concen: 54.056 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

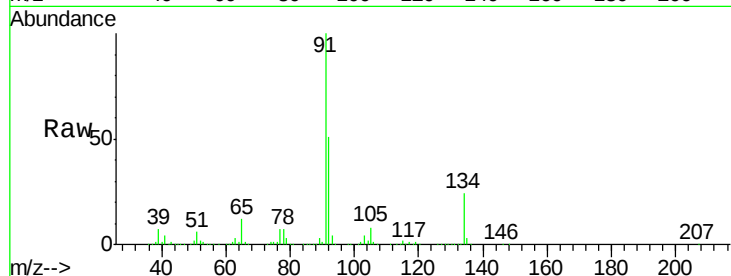
Tot Ion: 91 Resp: 1022446

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.1

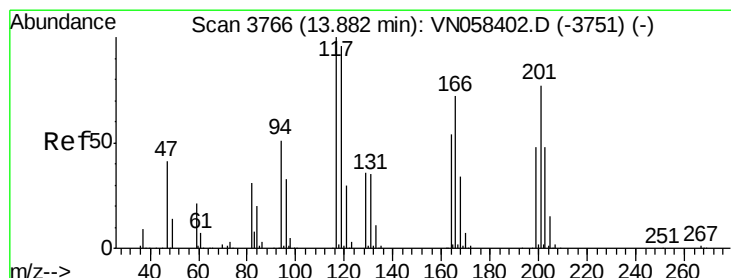
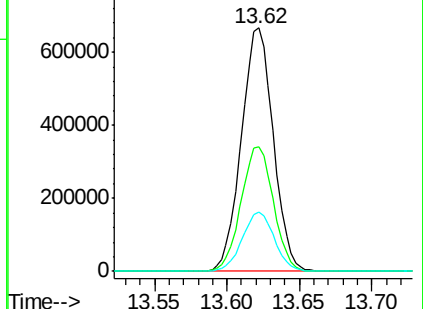
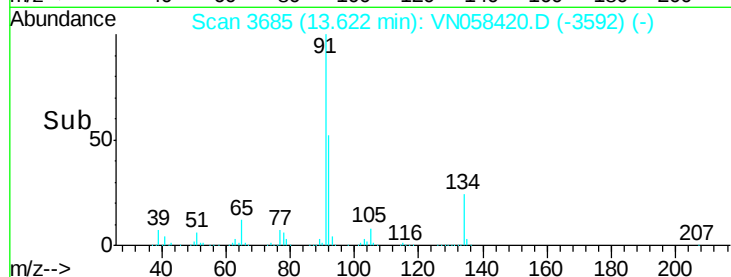
134 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058420.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058420.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058420.D (-3669) (-)



#90

Hexachloroethane

Concen: 57.201 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058420.D

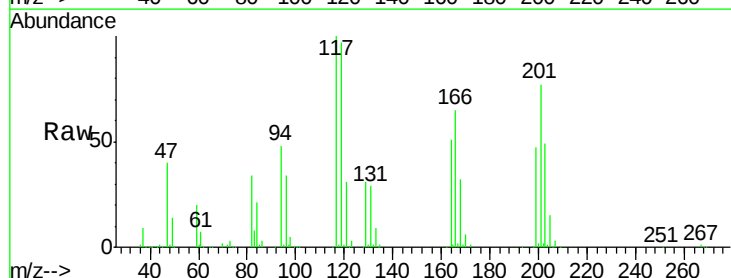
Acq: 30 Sep 2019 9:27

Tgt Ion: 117 Resp: 179456

Ion Ratio Lower Upper

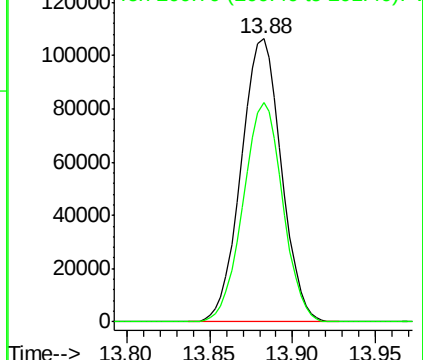
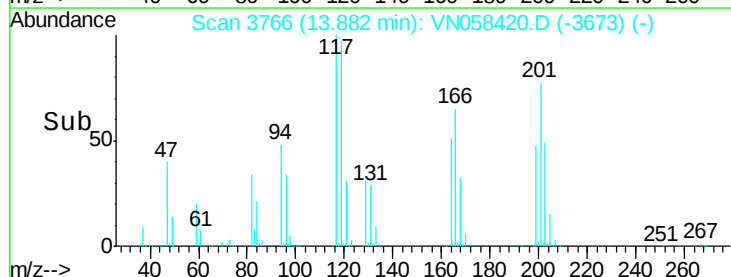
117 100

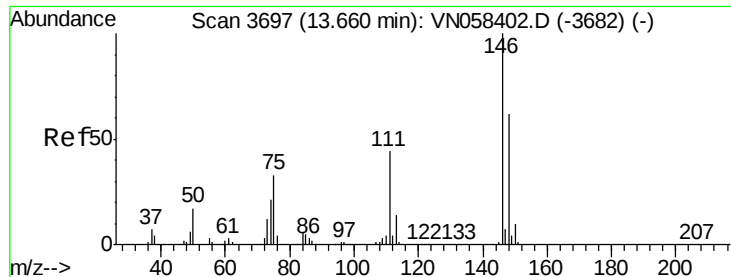
201 76.2 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058420.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058420.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 49.655 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

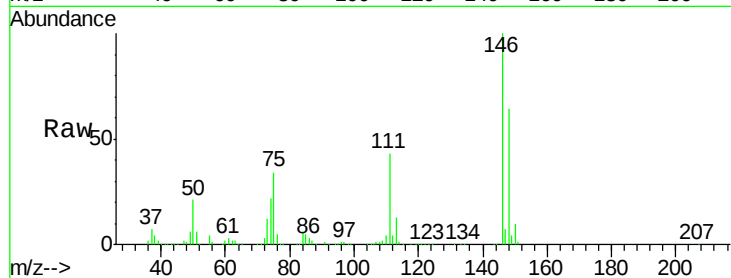
Tot Ion:146 Resp: 517569

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.3

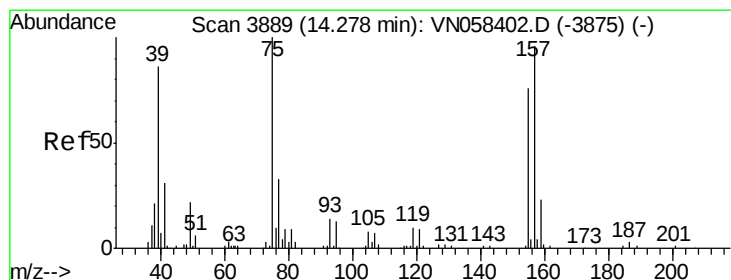
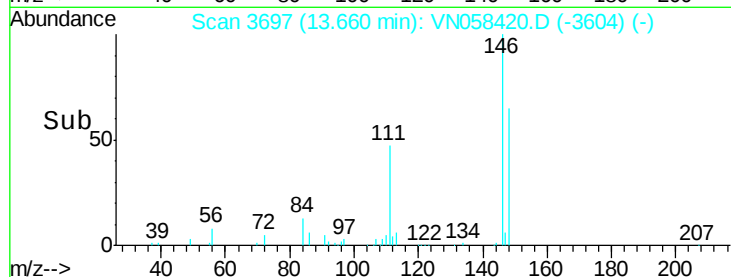
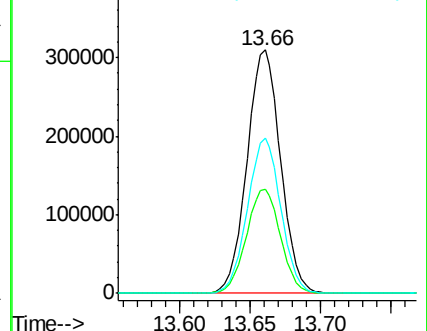
148 63.3 31.5 94.5



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: 50.155 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

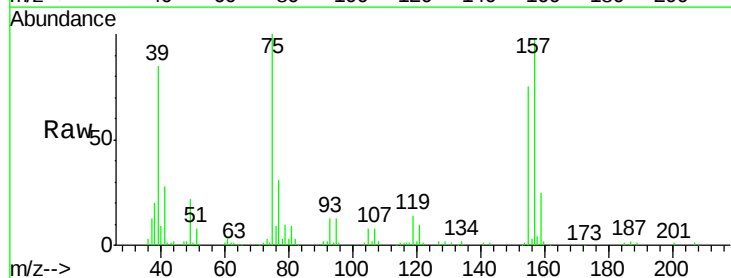
Tgt Ion: 75 Resp: 66731

Ion Ratio Lower Upper

75 100

155 74.3 39.2 117.6

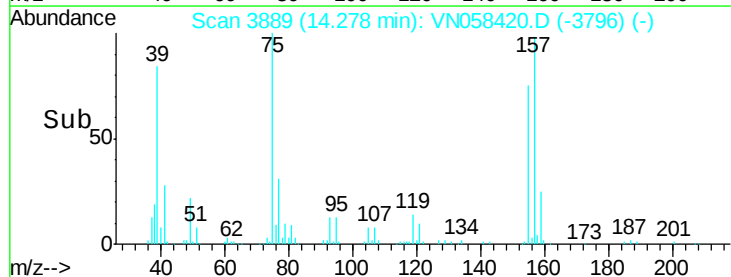
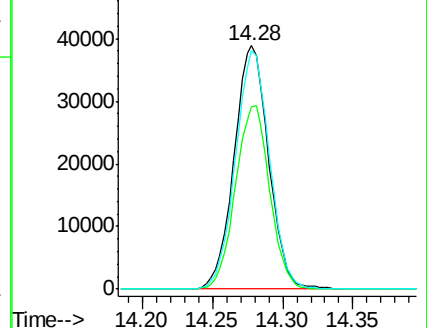
157 96.6 48.7 146.1

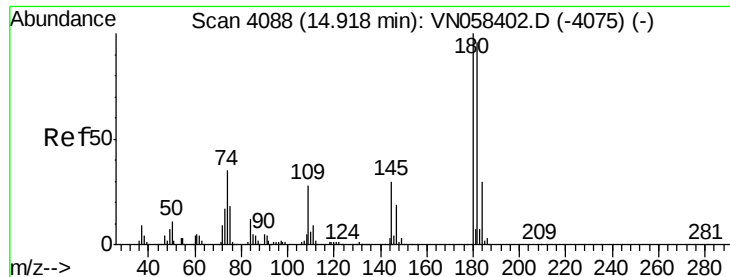


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

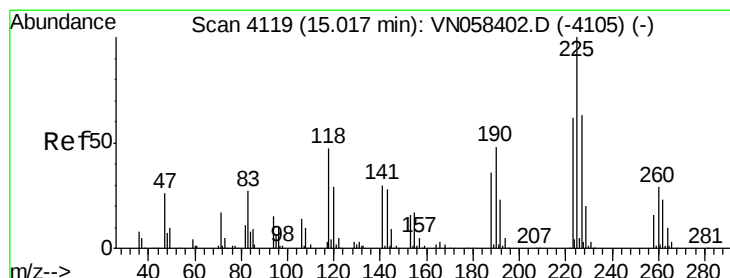
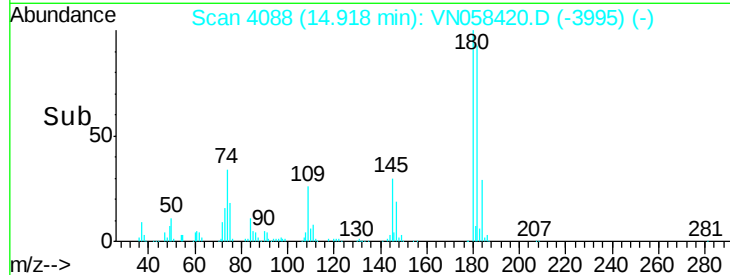
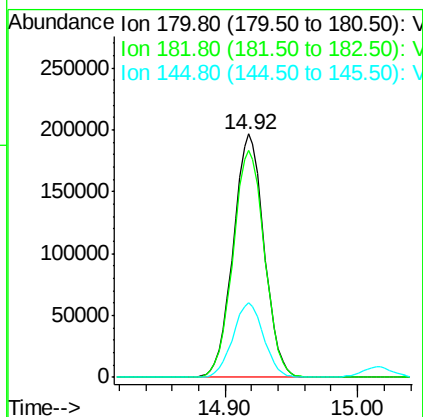
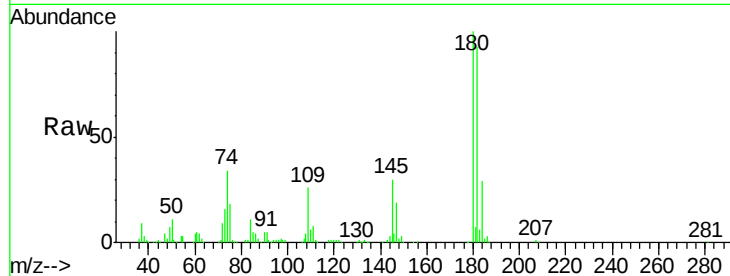




#93
 1,2,4-Trichlorobenzene
 Concen: 55.082 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

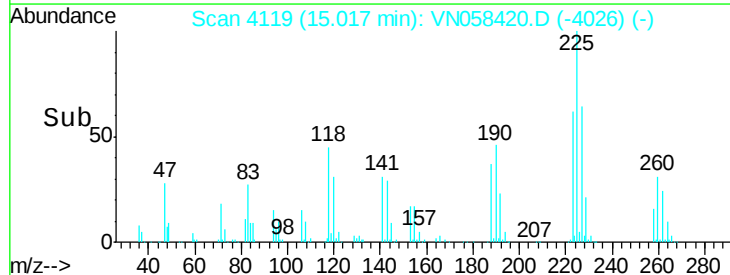
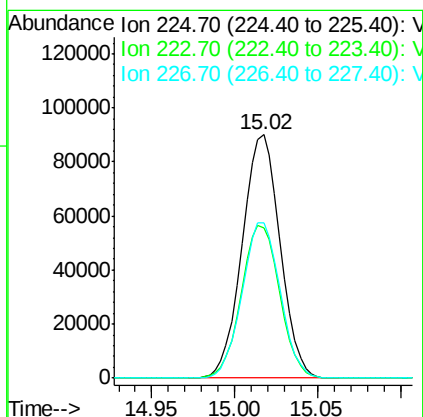
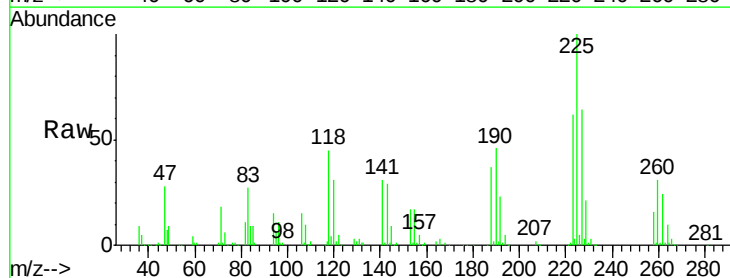
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

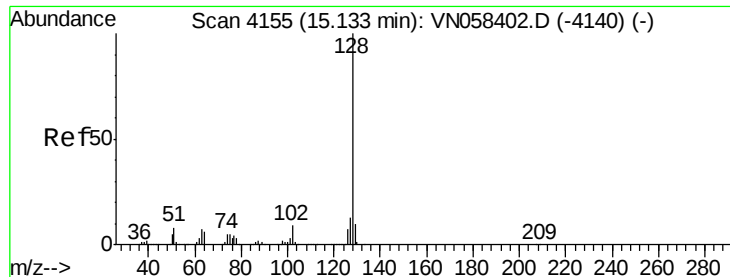
Tot Ion:180 Resp: 317268
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.3
 145 30.6 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 48.545 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion:225 Resp: 143718
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.5
 227 64.1 31.4 94.2





#95

Naphthalene

Concen: 48.327 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

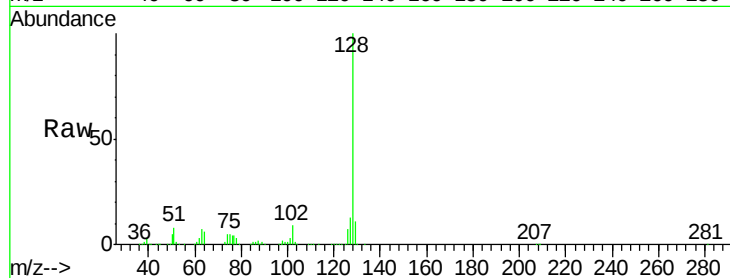
Tot Ion:128 Resp: 815203

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

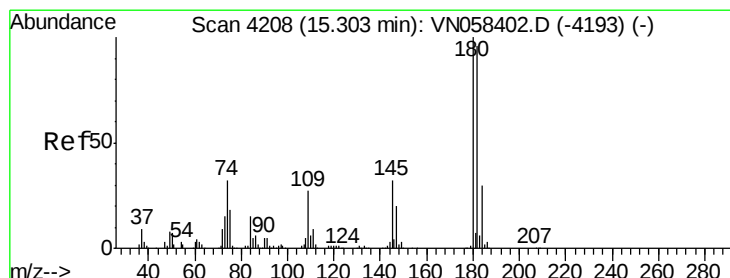
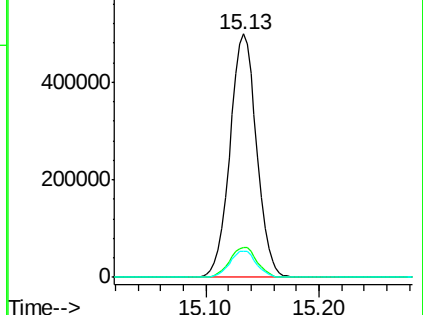
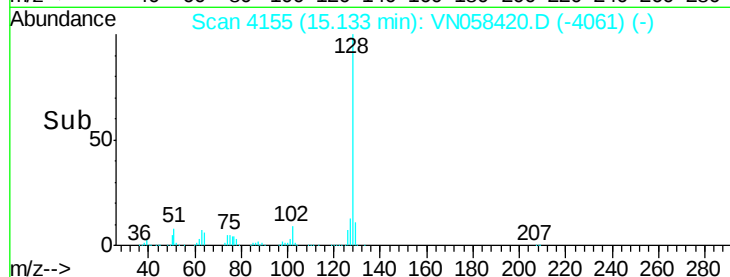
129 10.8 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.582 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

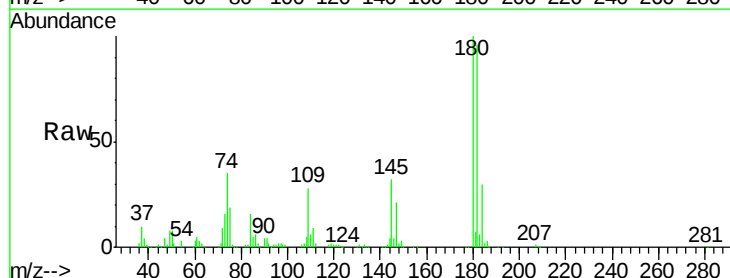
Tgt Ion:180 Resp: 292094

Ion Ratio Lower Upper

180 100

182 96.2 48.3 144.9

145 32.3 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

