

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049956.D
 Acq On : 20 Jul 2018 12:15
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 23:44:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	606947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	441263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396421	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.59	113	353912	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1320645	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	460489	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	251114	45.20	ug/l	98
3) Chloromethane	2.06	50	326903	39.46	ug/l	100
4) Vinyl Chloride	2.18	62	357788	40.49	ug/l	99
5) Bromomethane	2.56	94	265131	53.81	ug/l	99
6) Chloroethane	2.70	64	232931	40.36	ug/l	99
7) Trichlorofluoromethane	3.01	101	509556	41.95	ug/l	97
8) Diethyl Ether	3.41	74	184154	43.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	324046	43.26	ug/l	99
10) Methyl Iodide	3.95	142	396970	39.51	ug/l	99
11) Tert butyl alcohol	4.80	59	119611	201.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	277328	42.15	ug/l	99
13) Acrolein	3.61	56	57368	149.80	ug/l	99
14) Allyl chloride	4.32	41	459912	44.34	ug/l	99
15) Acrylonitrile	4.99	53	573823	219.54	ug/l	98
16) Acetone	3.82	43	475264	220.05	ug/l	99
17) Carbon Disulfide	4.04	76	730851	37.12	ug/l	100
18) Methyl Acetate	4.33	43	315048	46.36	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	845418	46.69	ug/l	99
20) Methylene Chloride	4.55	84	339884	41.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	308292	44.12	ug/l	99
22) Diisopropyl ether	5.96	45	1030781	48.70	ug/l	97
23) Vinyl Acetate	5.90	43	3496474	235.42	ug/l	100
24) 1,1-Dichloroethane	5.85	63	600973	44.23	ug/l	100
25) 2-Butanone	6.84	43	697556	225.98	ug/l	98
26) 2,2-Dichloropropane	6.82	77	512383	48.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	353247	46.07	ug/l	99
28) Bromochloromethane	7.19	49	304426	49.60	ug/l	99
29) Tetrahydrofuran	7.21	42	438038	225.26	ug/l	99
30) Chloroform	7.37	83	628005	45.02	ug/l	99
31) Cyclohexane	7.65	56	485180	43.87	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	532944	44.20	ug/l	99
36) 1,1-Dichloropropene	7.79	75	454531	47.23	ug/l	99
37) Ethyl Acetate	6.93	43	298269	45.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	472528	45.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	473684	47.65	ug/l	97
40) Benzene	8.04	78	1360623	46.39	ug/l	99
41) Methacrylonitrile	7.18	41	168936	50.99	ug/l	96
42) 1,2-Dichloroethane	8.13	62	448194	46.13	ug/l	100
43) Isopropyl Acetate	8.17	43	547556	47.43	ug/l	98
44) Trichloroethene	8.83	130	356488	46.35	ug/l	97
45) 1,2-Dichloropropane	9.12	63	370730	46.85	ug/l	99
46) Dibromomethane	9.21	93	219813	44.79	ug/l	100
47) Bromodichloromethane	9.40	83	485630	47.85	ug/l	99
48) Methyl methacrylate	9.20	41	271723	46.92	ug/l	99
49) 1,4-Dioxane	9.20	88	73268	891.80	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1542611	239.02	ug/l	100
52) Toluene	10.16	92	854564	48.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	490410	48.87	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	557071	50.23	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	325112	44.98	ug/l	99
56) Ethyl methacrylate	10.43	69	417763	43.34	ug/l	99
57) 1,3-Dichloropropane	10.71	76	543043	47.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	861301	191.13	ug/l	99
59) 2-Hexanone	10.75	43	1088855	251.18	ug/l	99
60) Dibromochloromethane	10.90	129	371938	46.92	ug/l	100
61) 1,2-Dibromoethane	11.01	107	316497	46.86	ug/l	99
64) Tetrachloroethene	10.63	164	339451	47.39	ug/l	99
65) Chlorobenzene	11.44	112	956486	47.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	367404	47.36	ug/l	99
67) Ethyl Benzene	11.51	91	1645362	50.65	ug/l	100
68) m/p-Xylenes	11.62	106	1269872	103.26	ug/l	100
69) o-Xylene	11.95	106	604325	51.16	ug/l	98
70) Styrene	11.97	104	1032076	53.94	ug/l	99
71) Bromoform	12.13	173	266621	48.05	ug/l #	98
73) Isopropylbenzene	12.25	105	1650854	49.25	ug/l	100
74) N-amyl acetate	12.07	43	474073	46.47	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	427912	42.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	528903	63.90	ug/l #	100
77) Bromobenzene	12.53	156	425879	46.01	ug/l	98
78) n-propylbenzene	12.59	91	1930271	50.65	ug/l	99
79) 2-Chlorotoluene	12.68	91	1136719	48.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1379723	51.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	123292	46.57	ug/l	99
82) 4-Chlorotoluene	12.77	91	1173395	49.99	ug/l	100
83) tert-Butylbenzene	12.99	119	1178989	49.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1421967	52.25	ug/l	99
85) sec-Butylbenzene	13.17	105	1609659	51.63	ug/l	100
86) p-Isopropyltoluene	13.29	119	1408742	53.00	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	772874	47.92	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	759847	47.00	ug/l	99
89) n-Butylbenzene	13.62	91	1184551	53.98	ug/l	100
90) Hexachloroethane	13.88	117	264415	44.32	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	752566	47.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65239	42.05	ug/l	98

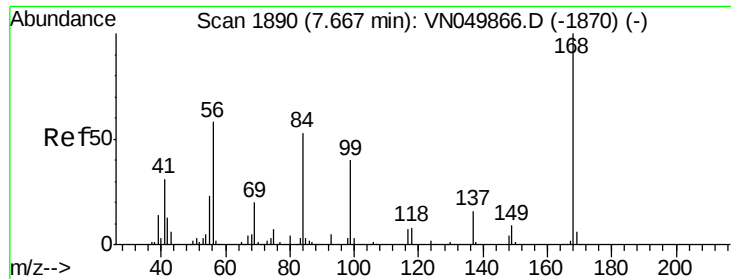
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399789	46.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	245173	47.18	ug/l	99
95) Naphthalene	15.14	128	858503	41.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	398710	52.41	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

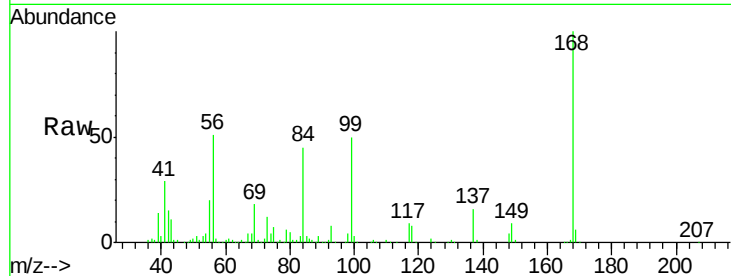
VSTDCCC050

Tot Ion:168 Resp: 606947

Ion Ratio Lower Upper

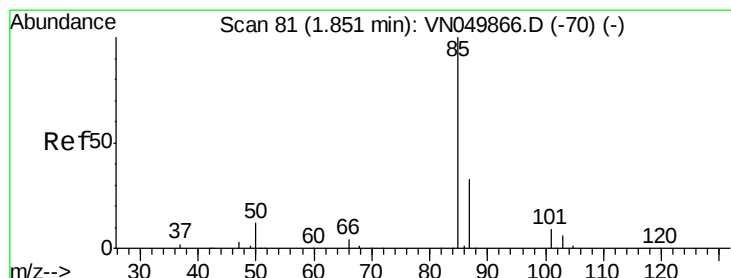
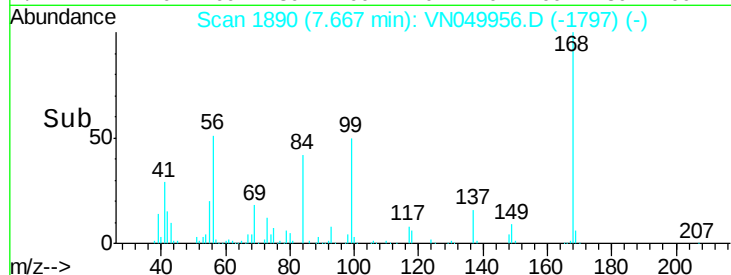
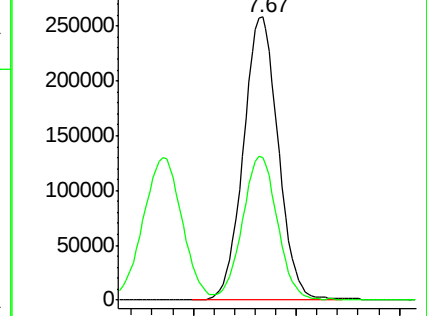
168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.20 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049956.D

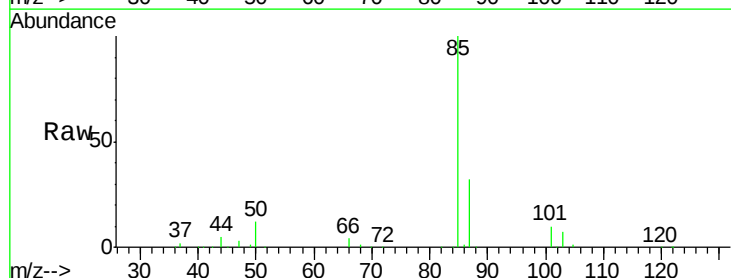
Acq: 20 Jul 2018 12:15

Tgt Ion: 85 Resp: 251114

Ion Ratio Lower Upper

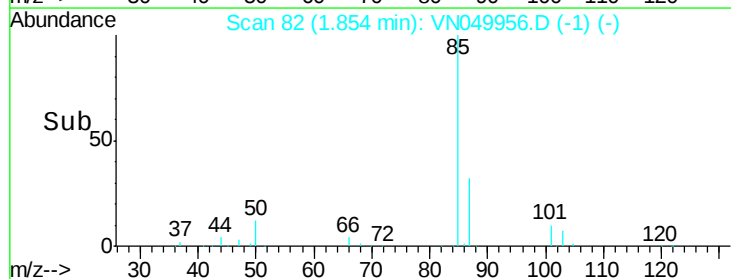
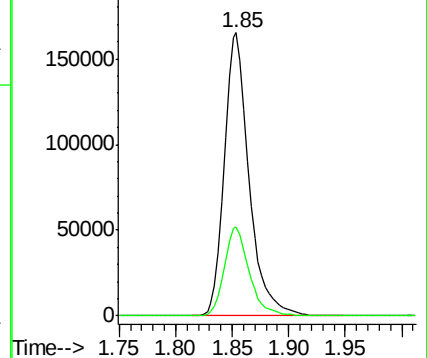
85 100

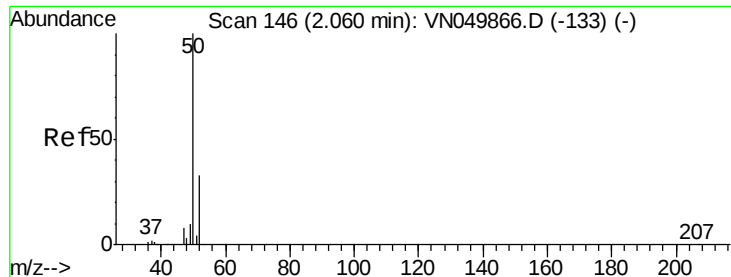
87 31.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.46 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

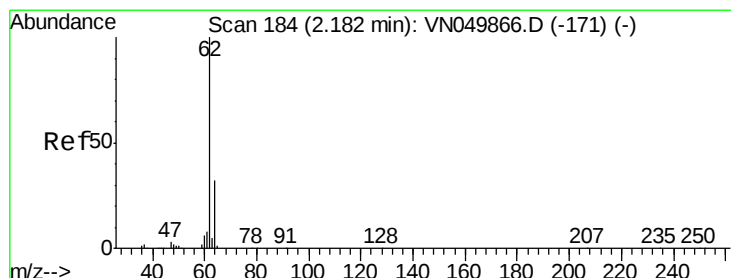
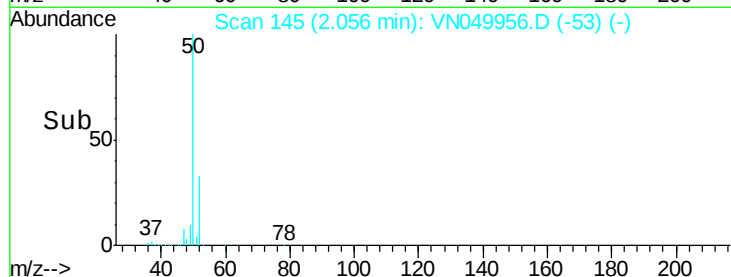
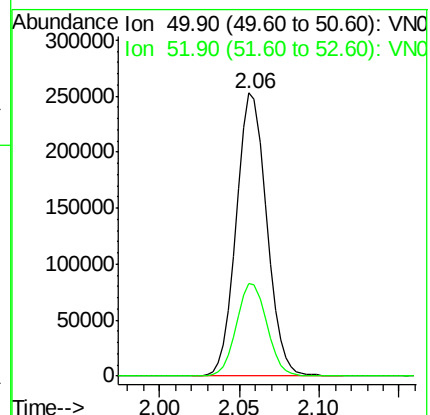
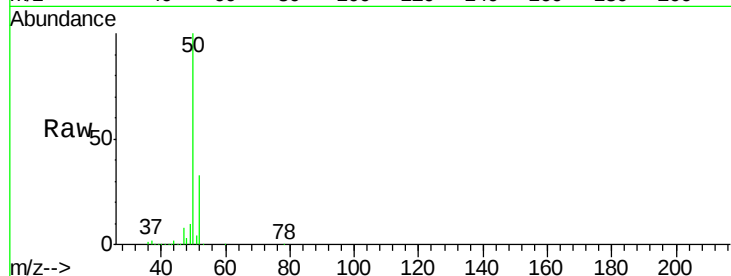
VSTDCCC050

Tot Ion: 50 Resp: 326903

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 40.49 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049956.D

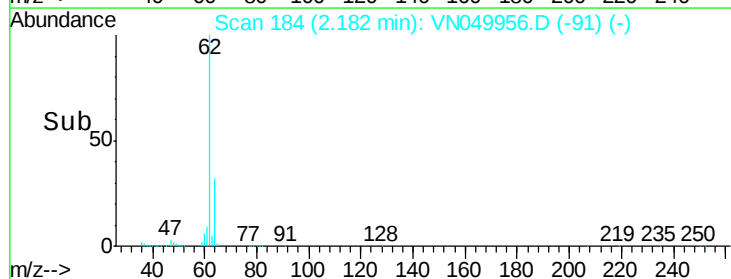
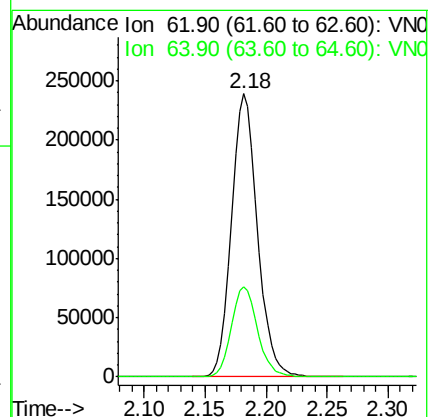
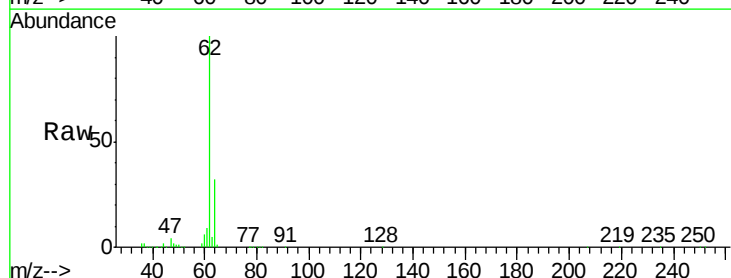
Acq: 20 Jul 2018 12:15

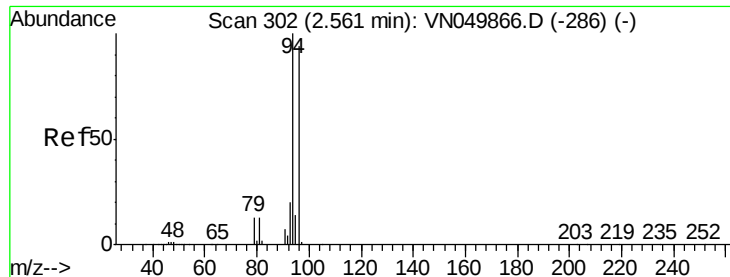
Tgt Ion: 62 Resp: 357788

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 53.81 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

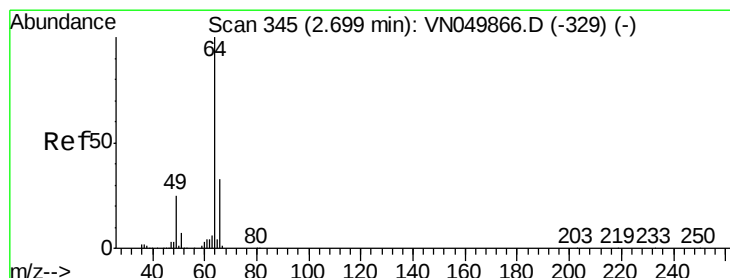
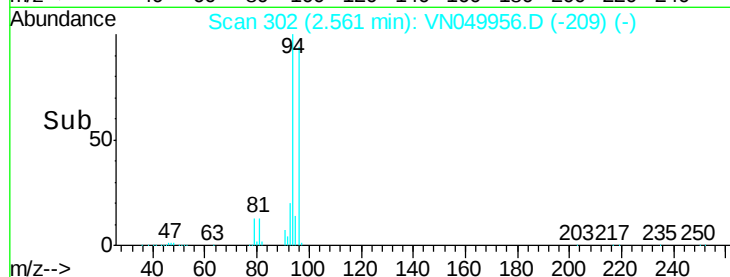
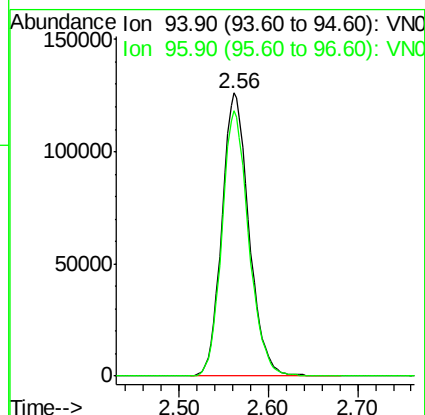
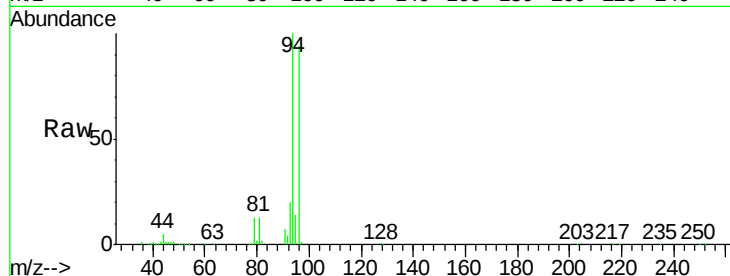
VSTDCCC050

Tot Ion: 94 Resp: 265131

Ion Ratio Lower Upper

94 100

96 93.7 75.7 113.5



#6

Chloroethane

Concen: 40.36 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049956.D

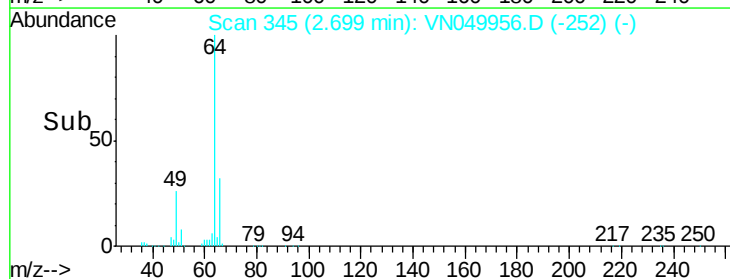
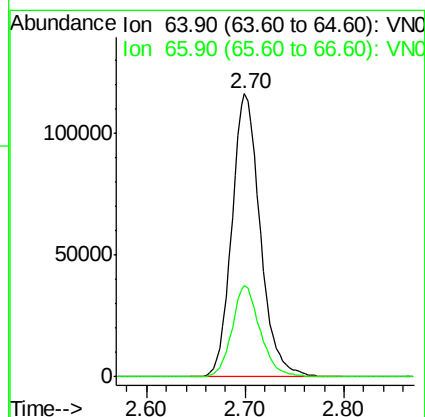
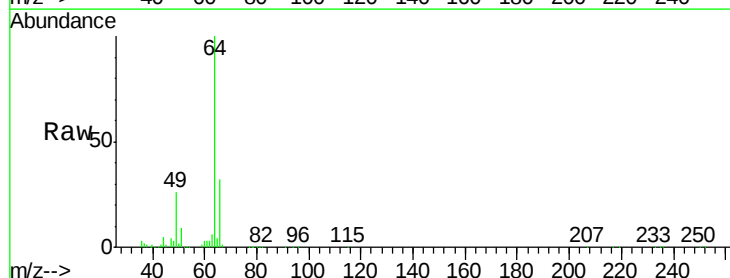
Acq: 20 Jul 2018 12:15

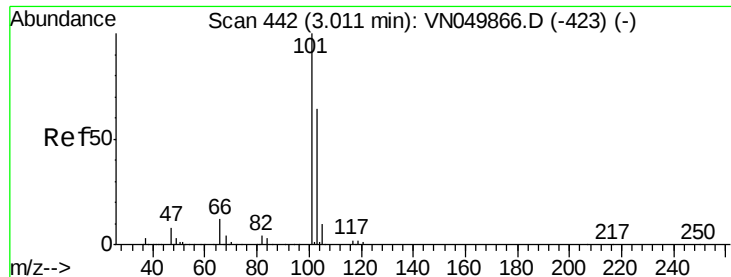
Tgt Ion: 64 Resp: 232931

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



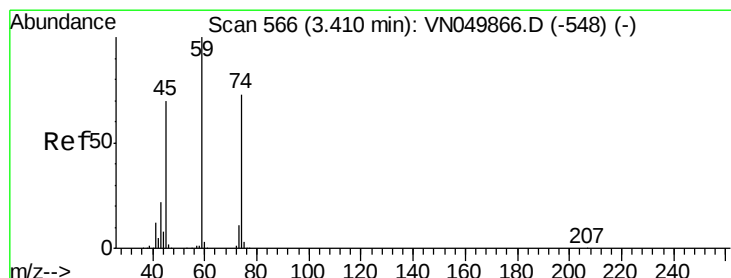
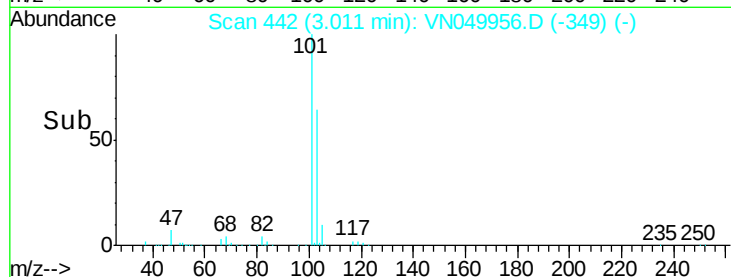
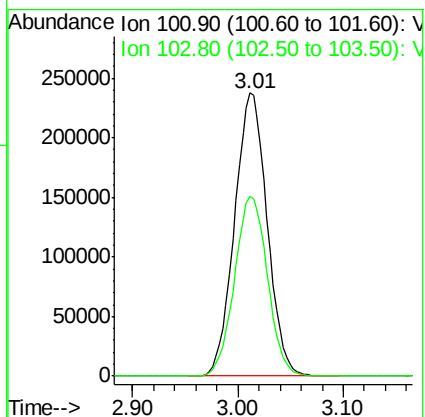
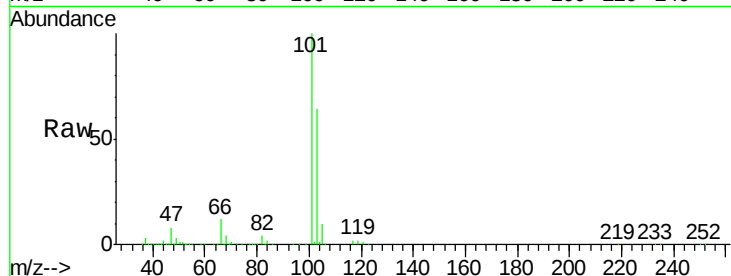


#7

Trichlorofluoromethane
 Concen: 41.95 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

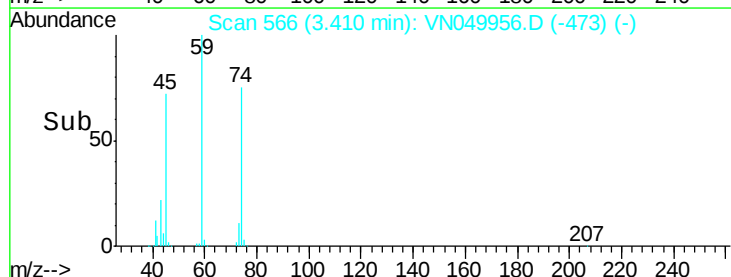
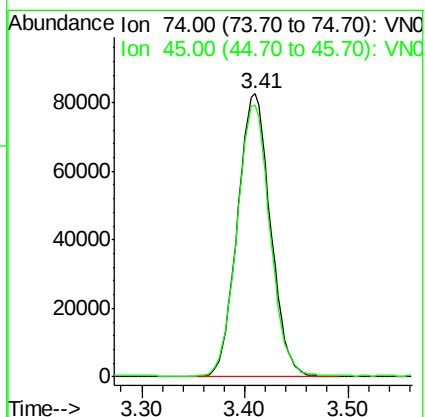
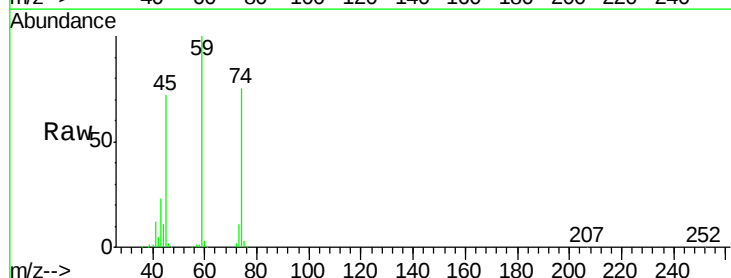
Tot Ion:101 Resp: 509556
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.8 79.2

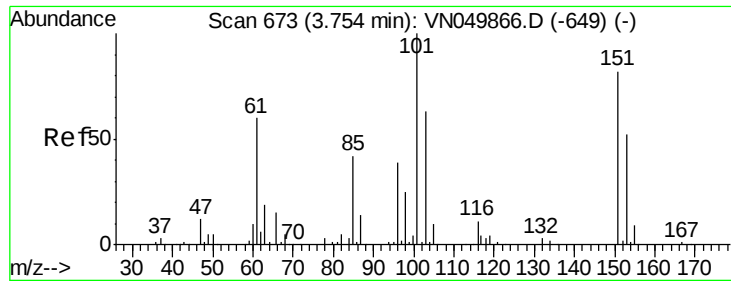


#8

Diethyl Ether
 Concen: 43.45 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 74 Resp: 184154
 Ion Ratio Lower Upper
 74 100
 45 95.9 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.26 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

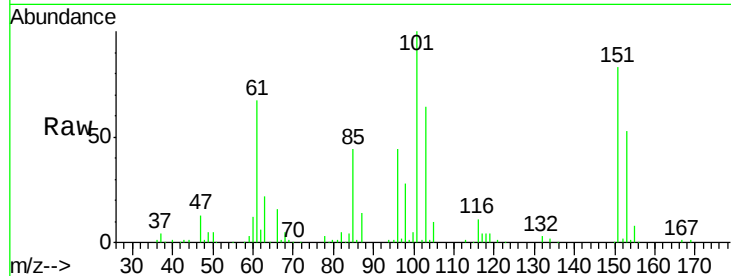
Tot Ion:101 Resp: 324046

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

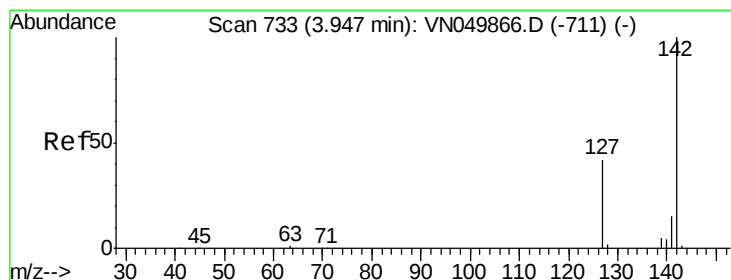
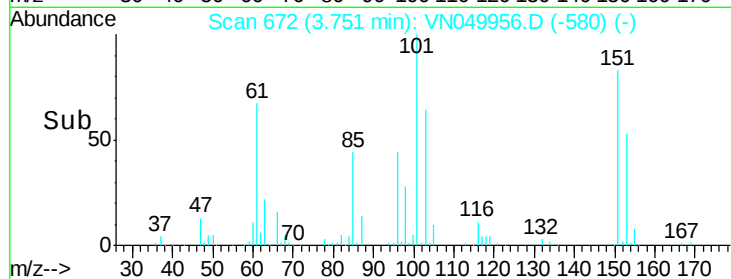
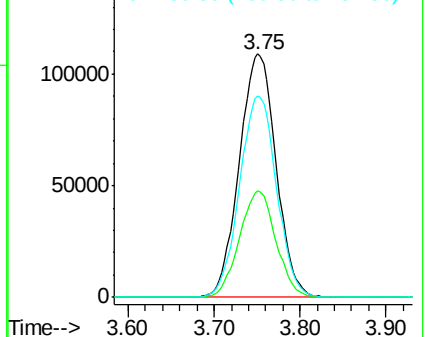
151 83.3 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.51 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

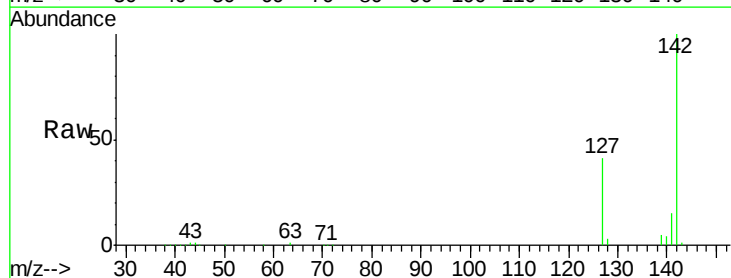
Tgt Ion:142 Resp: 396970

Ion Ratio Lower Upper

142 100

127 41.2 32.5 48.7

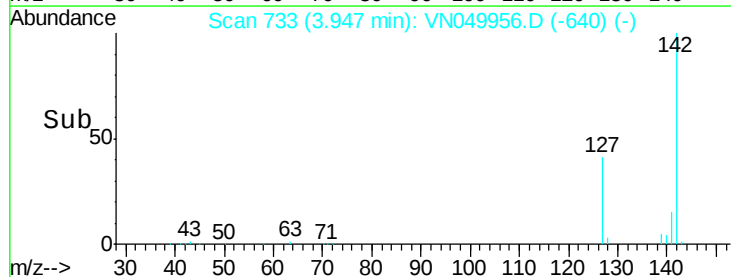
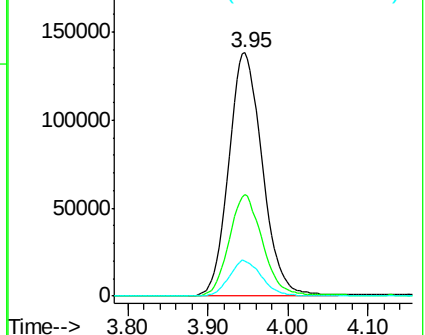
141 14.1 11.1 16.7

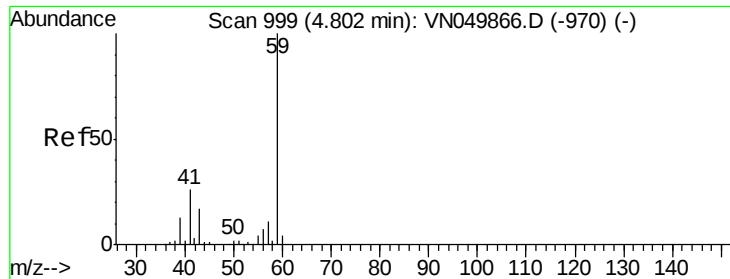


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



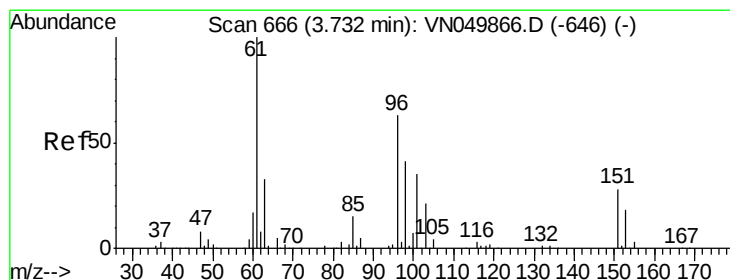
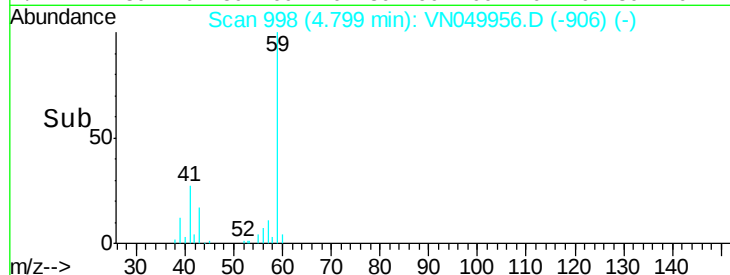
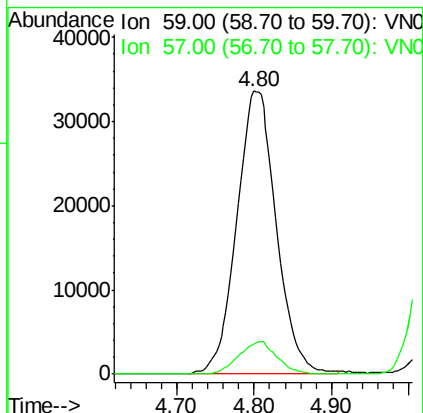
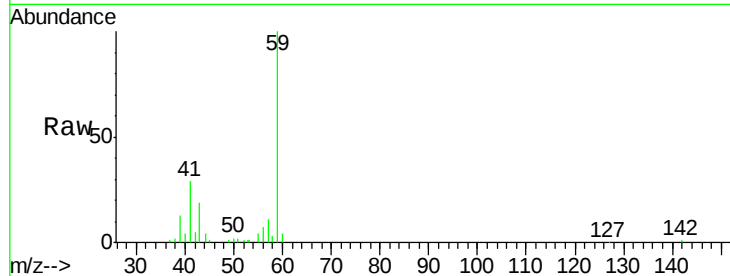


#11

Tert butyl alcohol
 Concen: 201.26 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

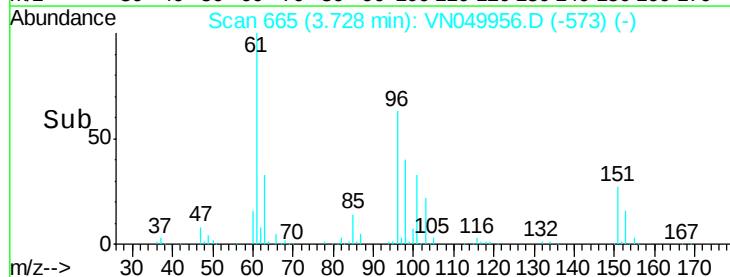
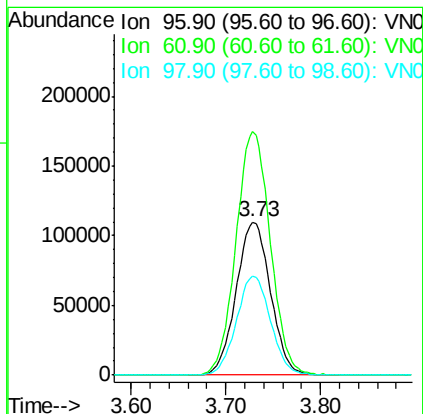
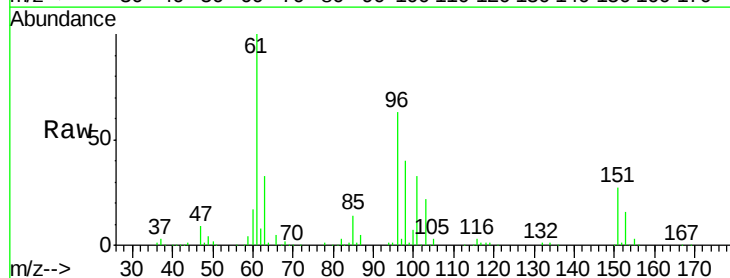
Tot Ion: 59 Resp: 119611
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.5 12.7

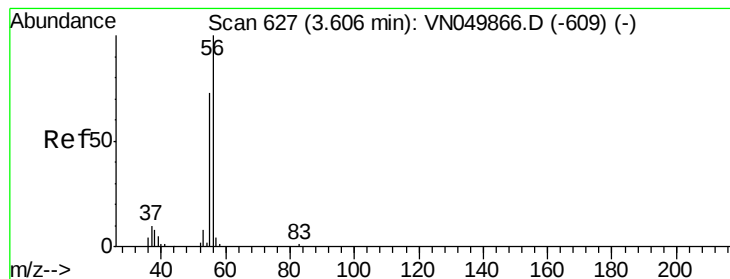


#12

1,1-Dichloroethene
 Concen: 42.15 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 96 Resp: 277328
 Ion Ratio Lower Upper
 96 100
 61 158.9 126.5 189.7
 98 64.2 51.0 76.6





#13

Acrolein

Concen: 149.80 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

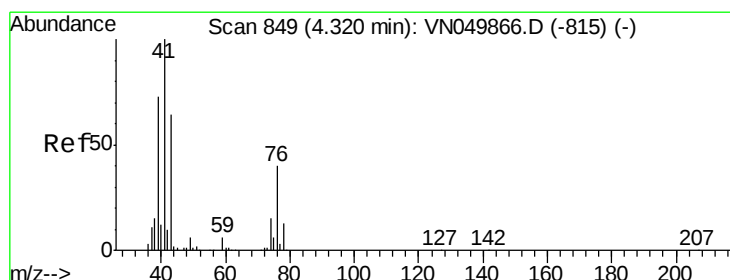
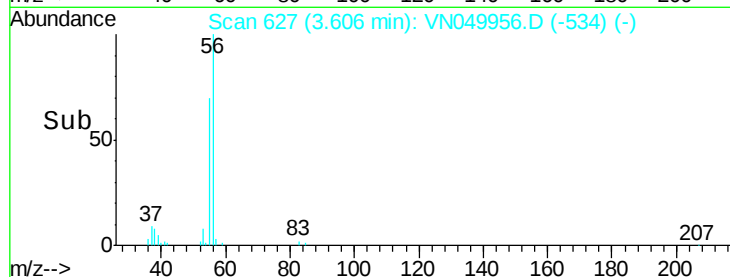
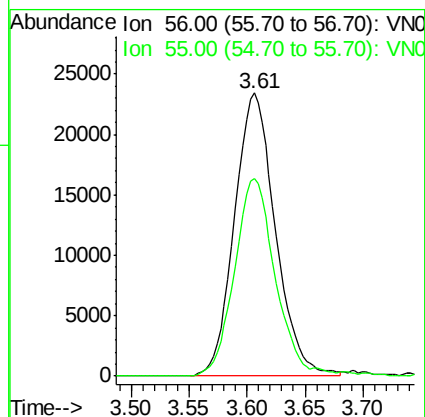
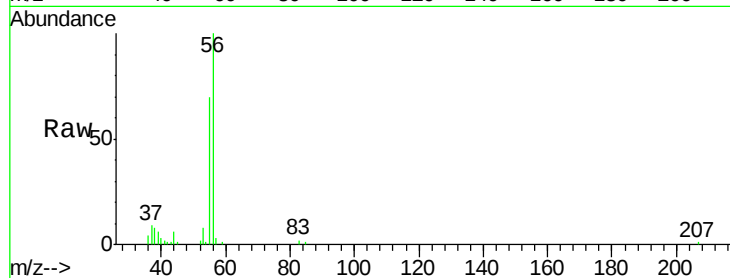
VSTDCCC050

Tot Ion: 56 Resp: 57368

Ion Ratio Lower Upper

56 100

55 69.3 55.8 83.8



#14

Allyl chloride

Concen: 44.34 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

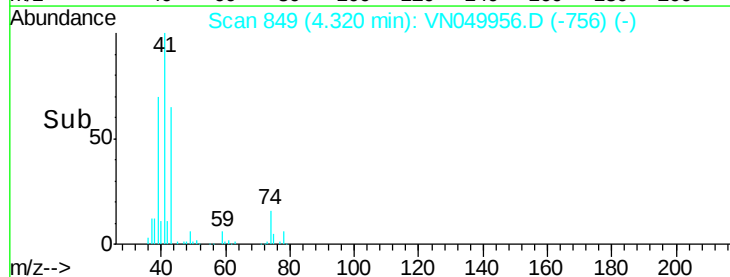
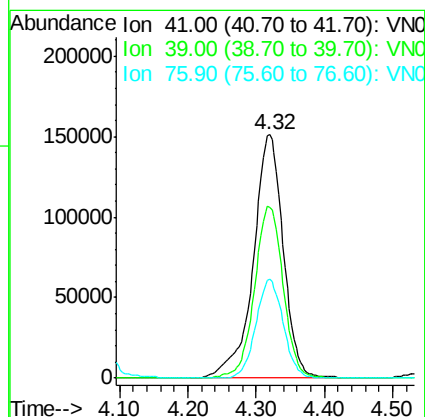
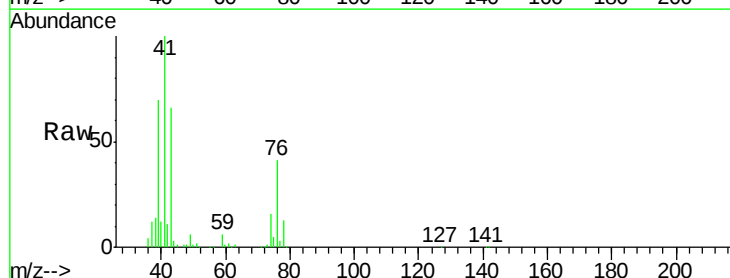
Tgt Ion: 41 Resp: 459912

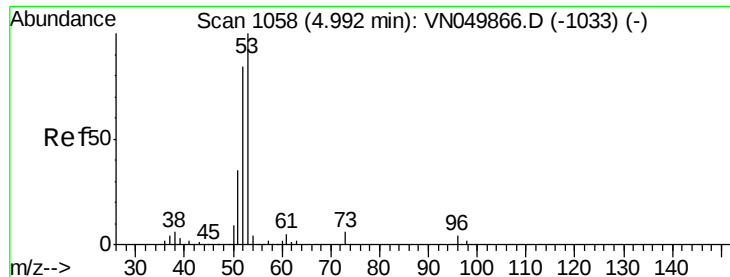
Ion Ratio Lower Upper

41 100

39 67.7 53.2 79.8

76 36.8 29.0 43.6





#15

Acrylonitrile

Concen: 219.54 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

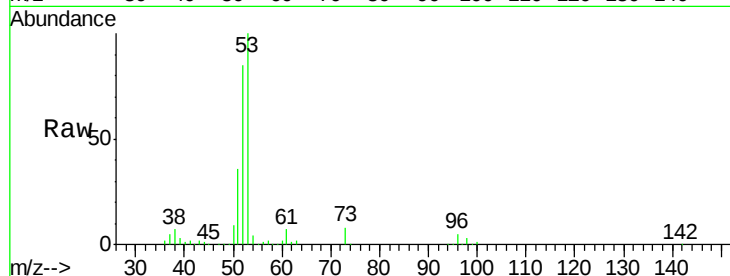
Tot Ion: 53 Resp: 573823

Ion Ratio Lower Upper

53 100

52 83.3 64.8 97.2

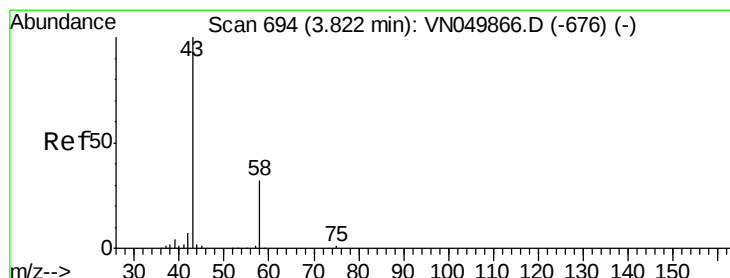
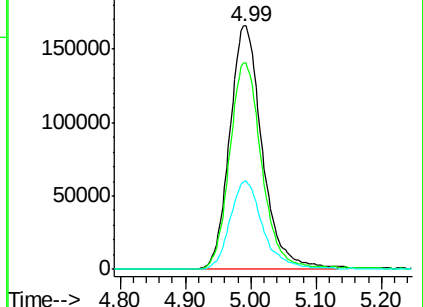
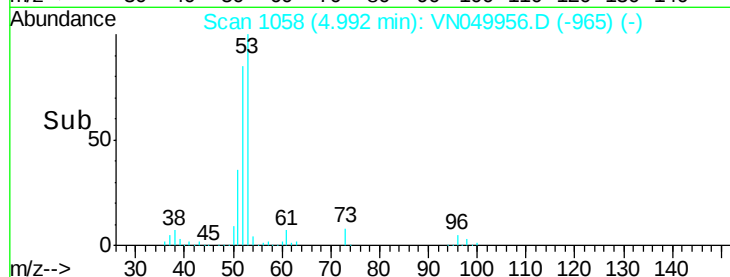
51 36.6 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049956.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049956.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049956.D (-965) (-)



#16

Acetone

Concen: 220.05 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049956.D

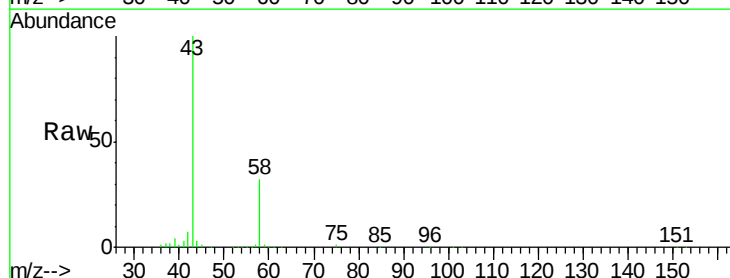
Acq: 20 Jul 2018 12:15

Tgt Ion: 43 Resp: 475264

Ion Ratio Lower Upper

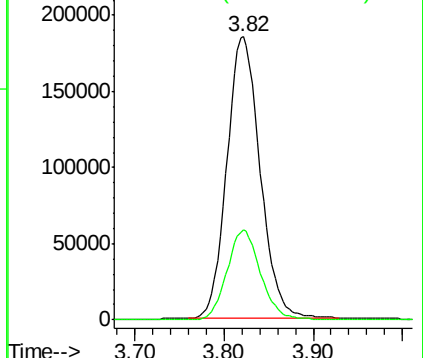
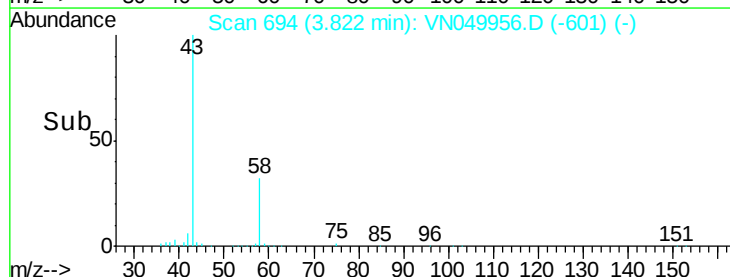
43 100

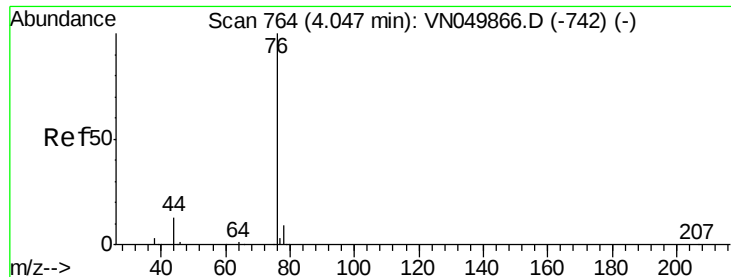
58 31.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049956.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049956.D (-601) (-)

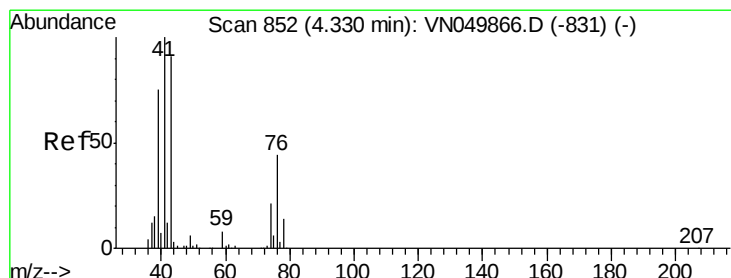
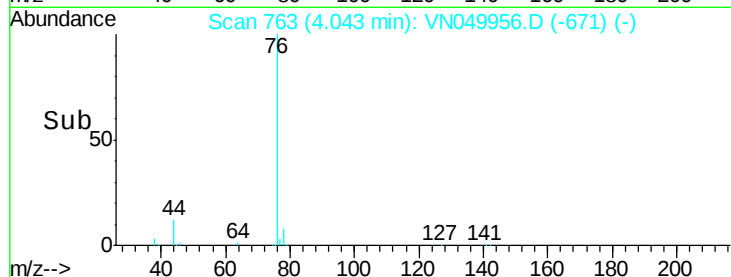
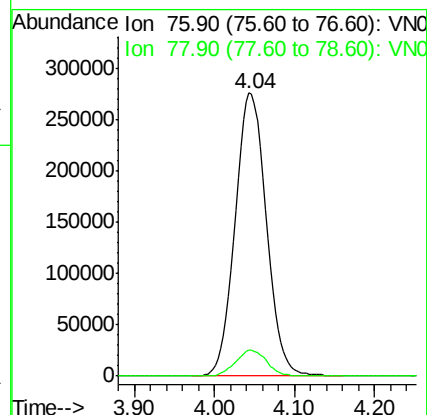
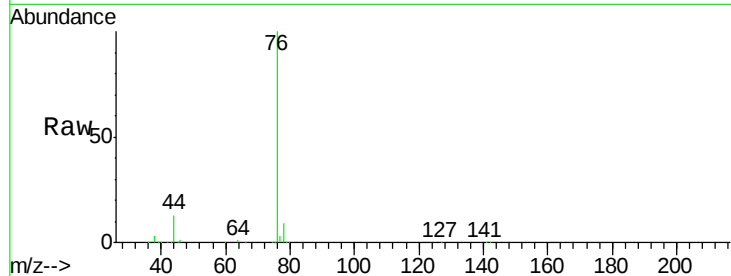




#17
Carbon Disulfide
Concen: 37.12 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

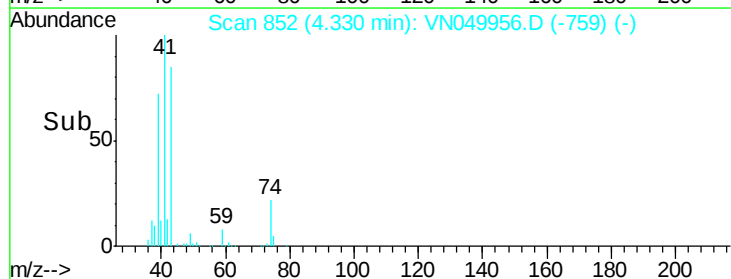
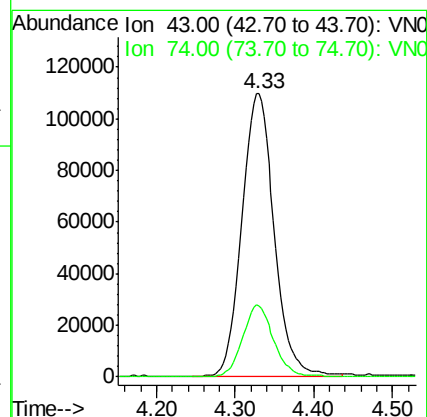
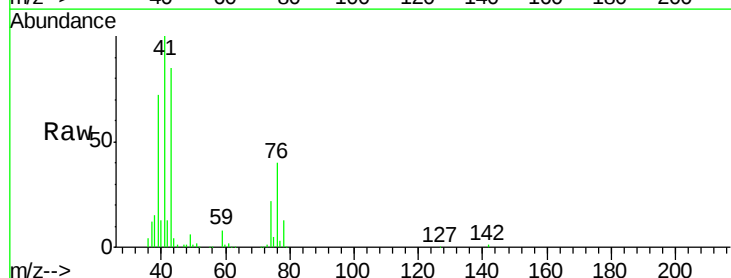
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

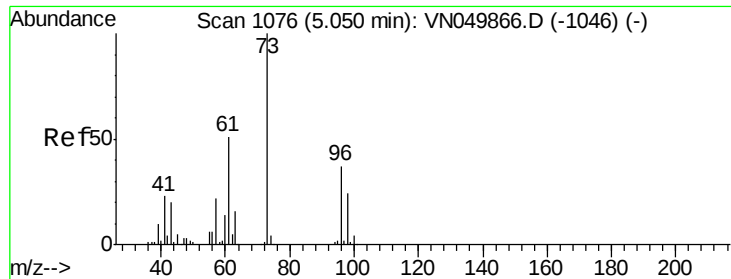
Tot Ion: 76 Resp: 730851
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 46.36 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 43 Resp: 315048
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8

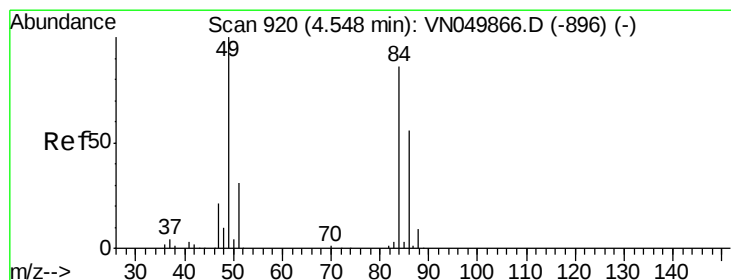
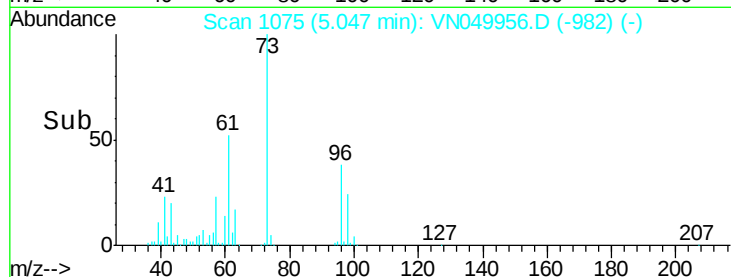
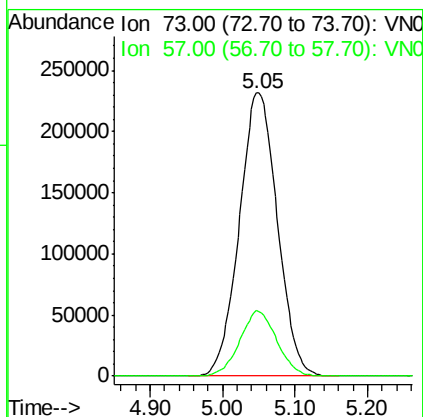
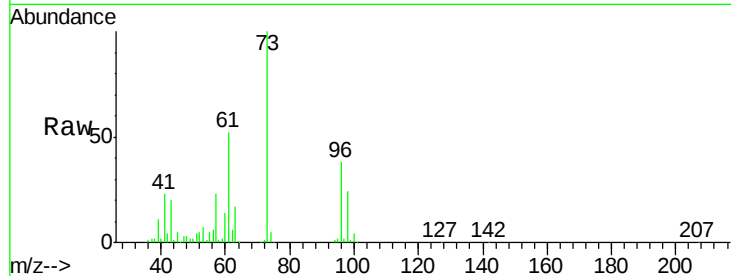




#19
Methyl tert-butyl Ether
Concen: 46.69 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

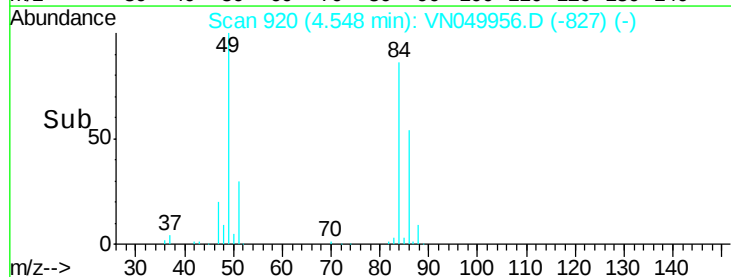
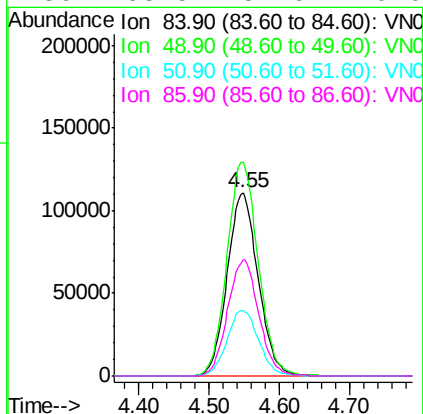
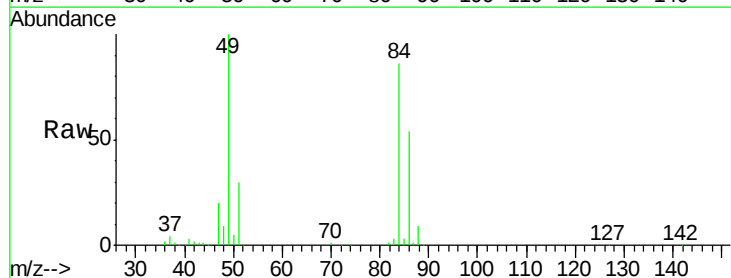
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

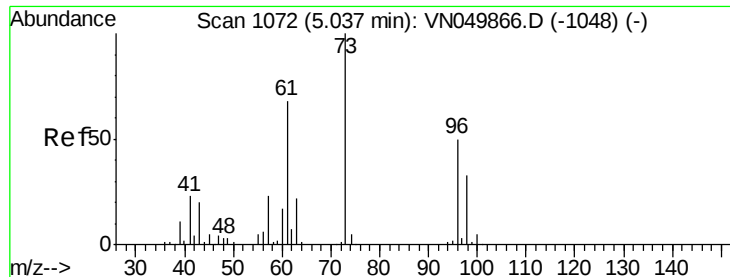
Tot Ion: 73 Resp: 845418
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#20
Methylene Chloride
Concen: 41.38 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 84 Resp: 339884
Ion Ratio Lower Upper
84 100
49 116.4 95.4 143.2
51 35.5 28.4 42.6
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 44.12 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

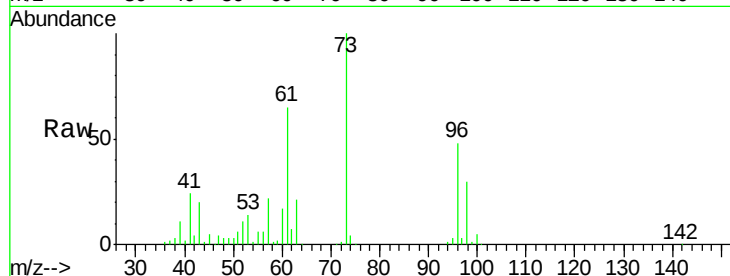
Tot Ion: 96 Resp: 308292

Ion Ratio Lower Upper

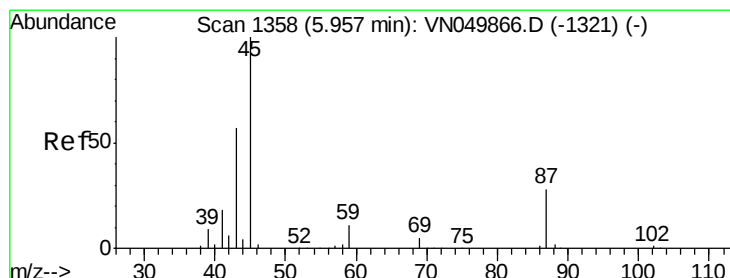
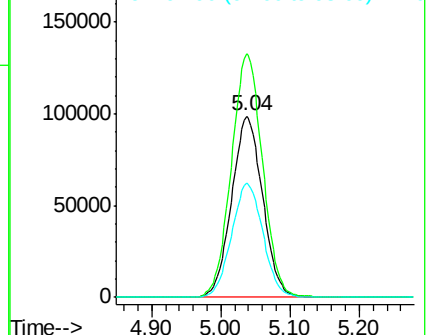
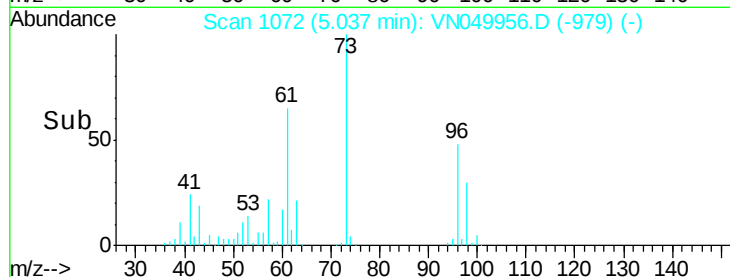
96 100

61 134.6 109.0 163.6

98 63.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049956.D (-979) (-)



#22

Diisopropyl ether

Concen: 48.70 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion: 45 Resp: 1030781

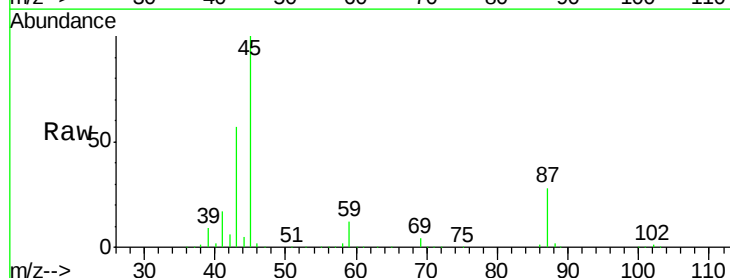
Ion Ratio Lower Upper

45 100

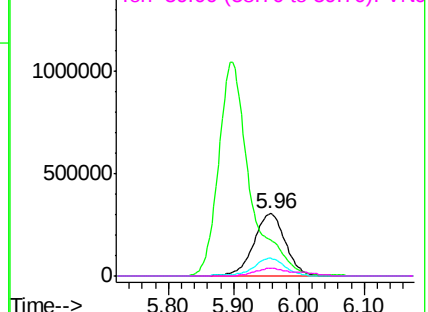
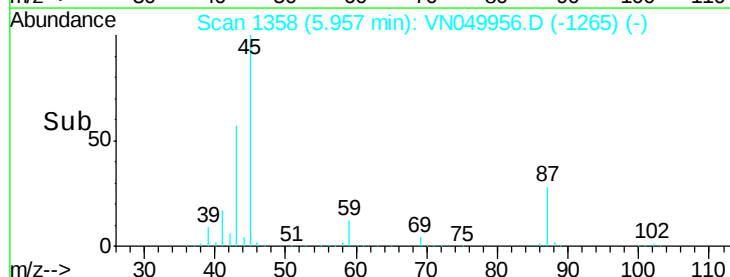
43 56.3 48.1 72.1

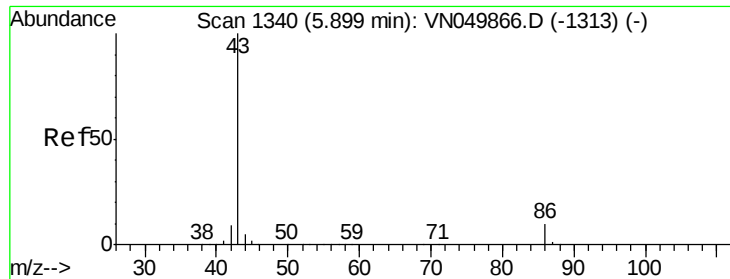
87 27.7 22.6 34.0

59 11.3 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN049956.D (-1265) (-)

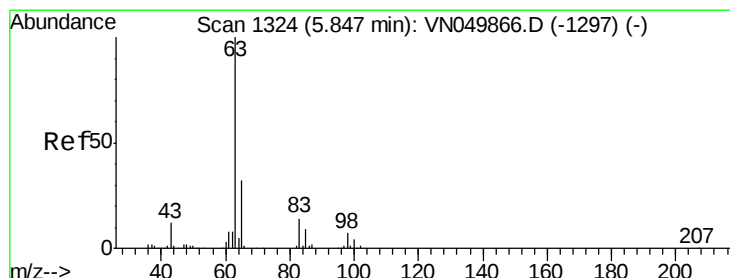
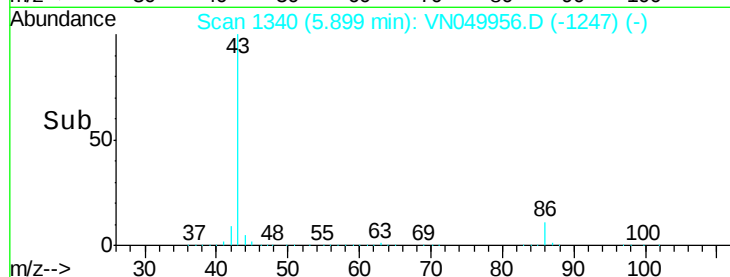
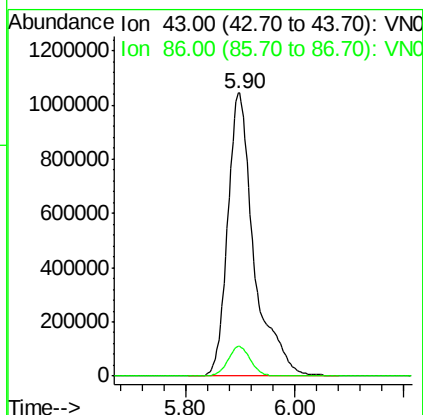
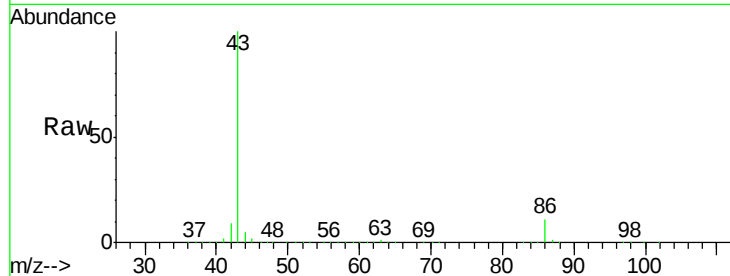




#23
 Vinyl Acetate
 Concen: 235.42 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

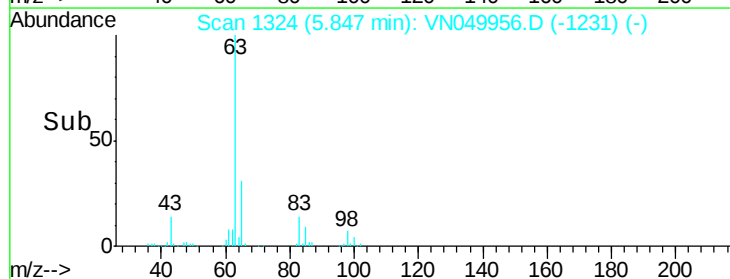
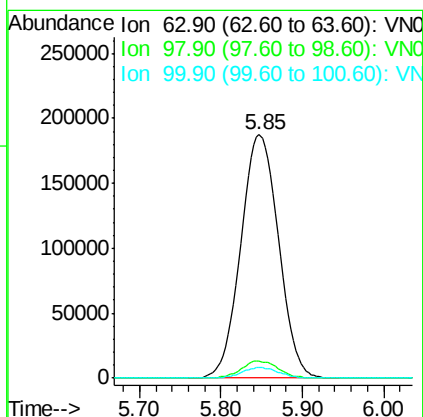
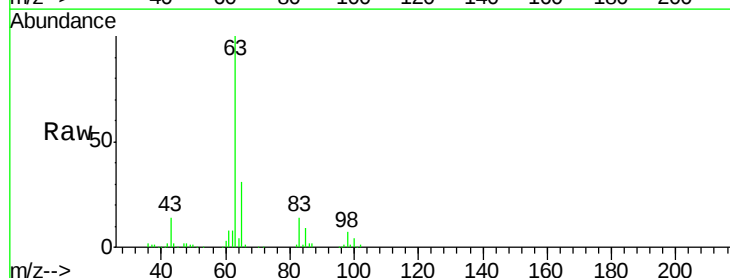
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

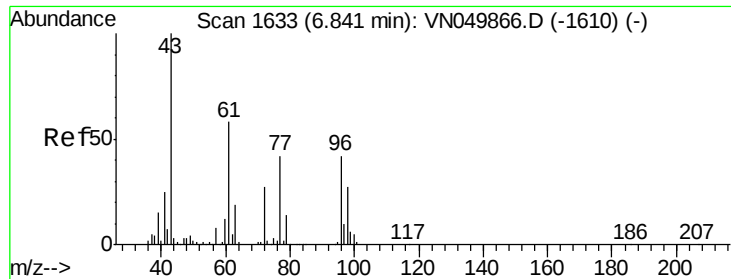
Tot Ion: 43 Resp: 3496474
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 44.23 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 63 Resp: 600973
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.2 2.2 6.6

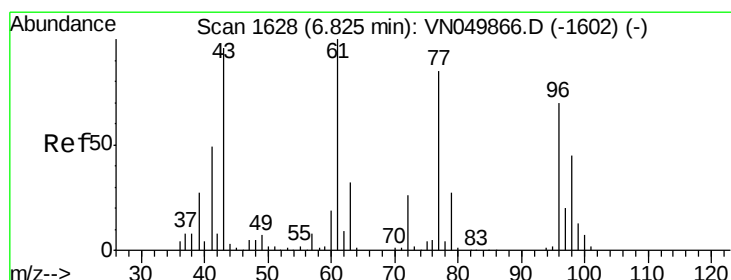
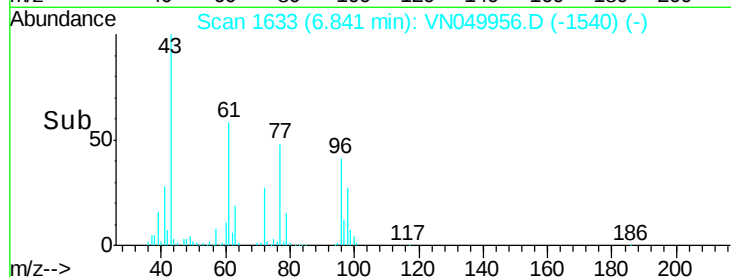
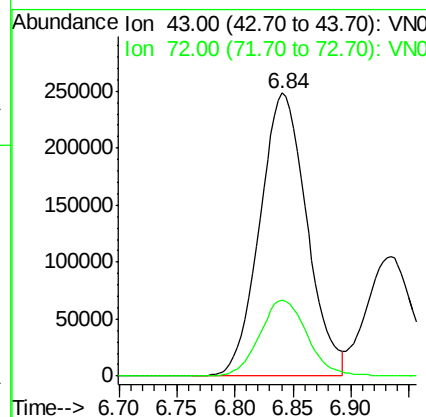
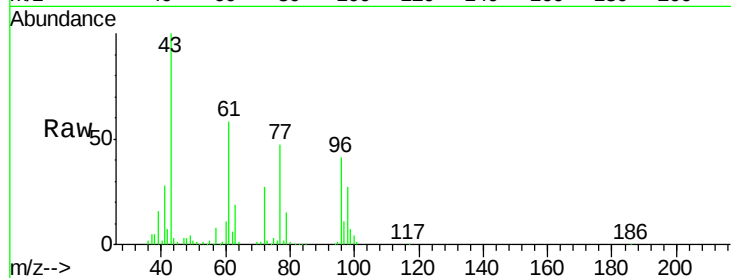




#25
2-Butanone
Concen: 225.98 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

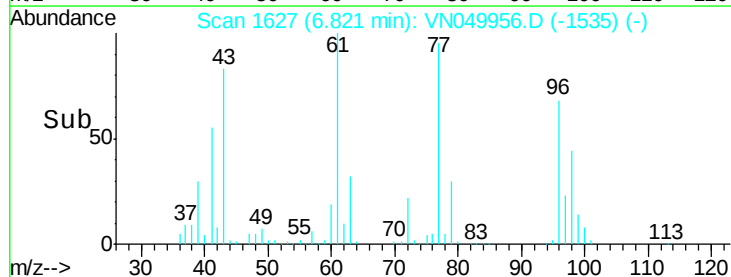
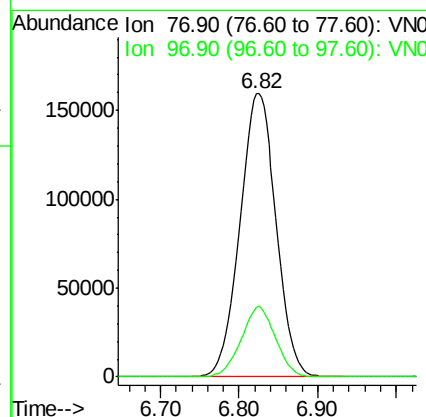
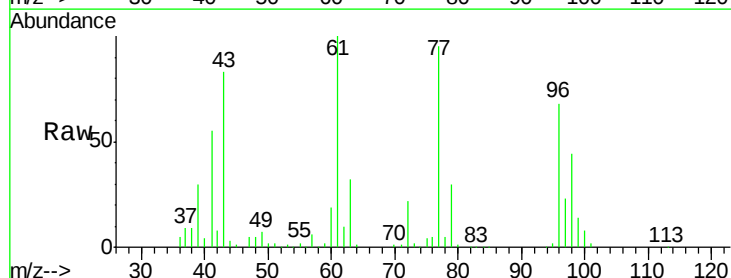
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

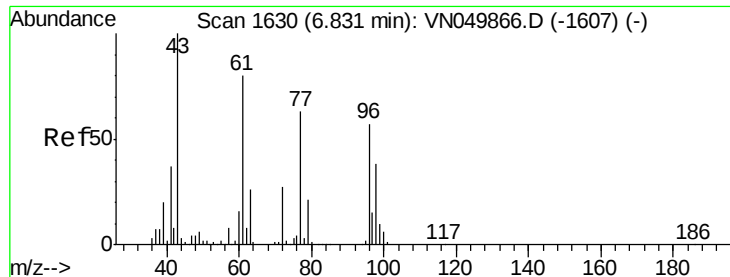
Tot Ion: 43 Resp: 697556
Ion Ratio Lower Upper
43 100
72 26.7 22.1 33.1



#26
2,2-Dichloropropane
Concen: 48.46 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 77 Resp: 512383
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.5

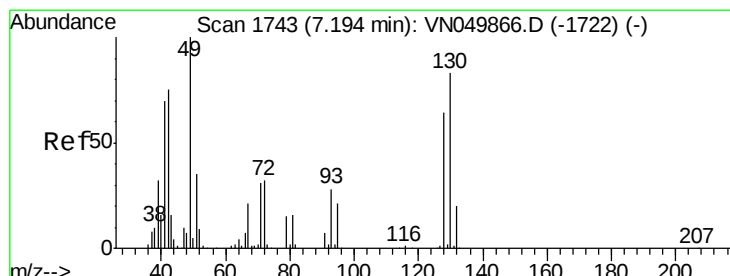
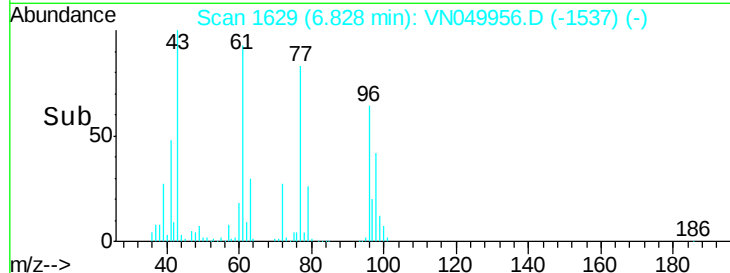
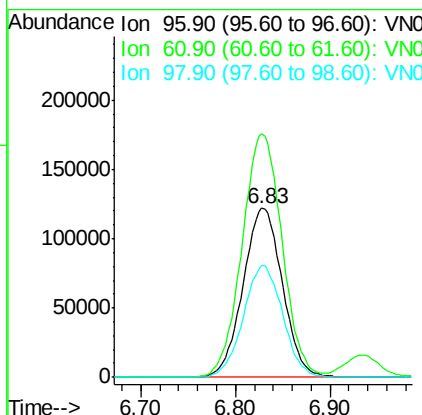
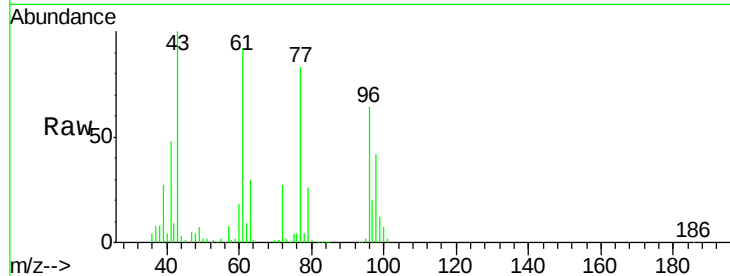




#27
 cis-1,2-Dichloroethene
 Concen: 46.07 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

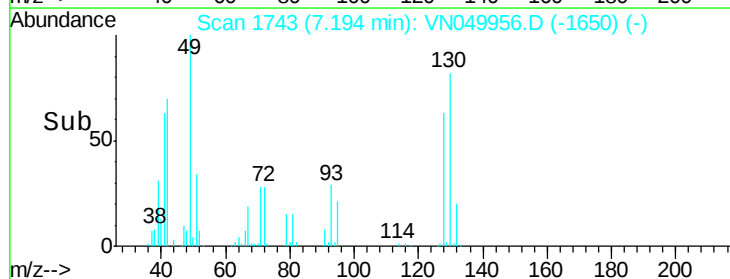
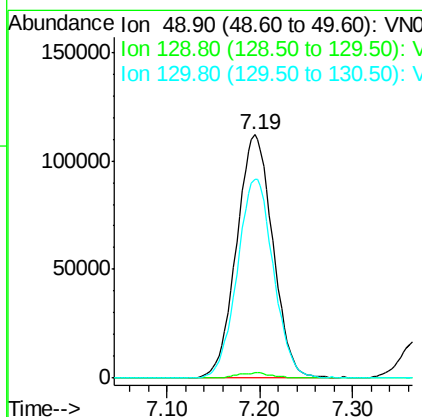
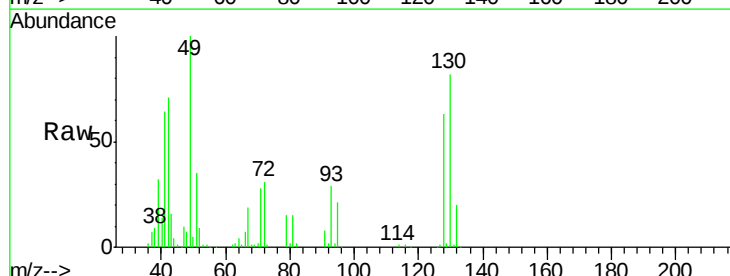
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

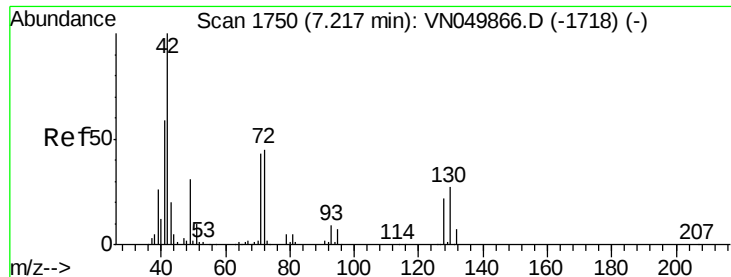
Tot Ion: 96 Resp: 353247
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 289.0
 98 65.8 0.0 130.2



#28
 Bromochloromethane
 Concen: 49.60 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 49 Resp: 304426
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 81.4 65.5 98.3





#29

Tetrahydrofuran

Concen: 225.26 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

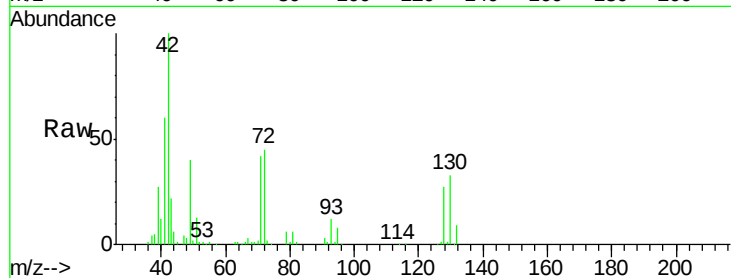
Tot Ion: 42 Resp: 438038

Ion Ratio Lower Upper

42 100

72 44.7 35.6 53.4

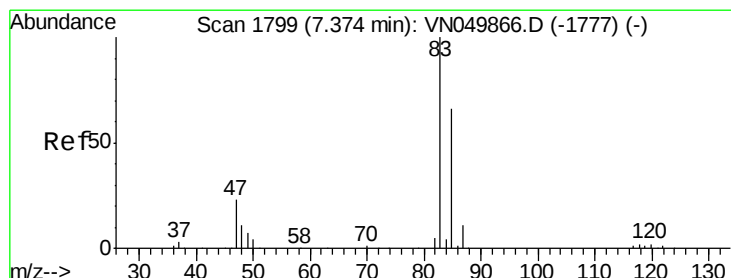
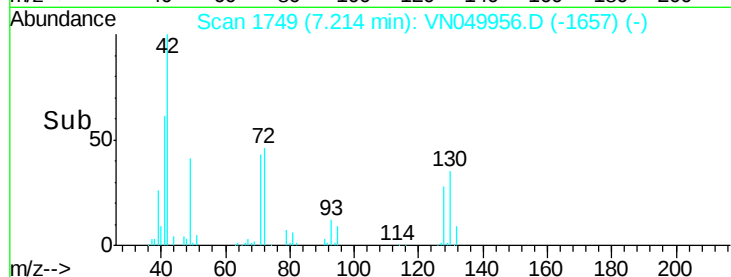
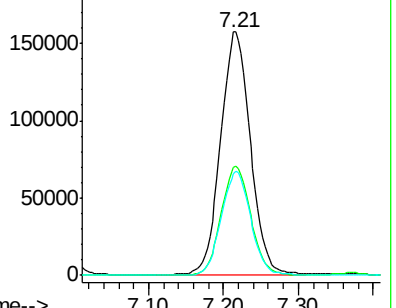
71 42.0 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN049866.D (-1718) (-)

Ion 72.00 (71.70 to 72.70): VN049866.D (-1718) (-)

Ion 71.00 (70.70 to 71.70): VN049866.D (-1718) (-)



#30

Chloroform

Concen: 45.02 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049956.D

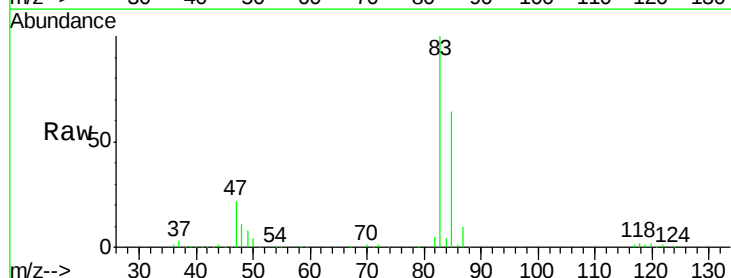
Acq: 20 Jul 2018 12:15

Tgt Ion: 83 Resp: 628005

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-1777) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-1777) (-)

Ion 83.90 (83.60 to 84.60): VN049866.D (-1777) (-)

Ion 82.90 (82.60 to 83.60): VN049866.D (-1777) (-)

Ion 81.90 (81.60 to 82.60): VN049866.D (-1777) (-)

Ion 80.90 (80.60 to 81.60): VN049866.D (-1777) (-)

Ion 79.90 (79.60 to 80.60): VN049866.D (-1777) (-)

Ion 78.90 (78.60 to 79.60): VN049866.D (-1777) (-)

Ion 77.90 (77.60 to 78.60): VN049866.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN049866.D (-1777) (-)

Ion 75.90 (75.60 to 76.60): VN049866.D (-1777) (-)

Ion 74.90 (74.60 to 75.60): VN049866.D (-1777) (-)

Ion 73.90 (73.60 to 74.60): VN049866.D (-1777) (-)

Ion 72.90 (72.60 to 73.60): VN049866.D (-1777) (-)

Ion 71.90 (71.60 to 72.60): VN049866.D (-1777) (-)

Ion 70.90 (70.60 to 71.60): VN049866.D (-1777) (-)

Ion 69.90 (69.60 to 70.60): VN049866.D (-1777) (-)

Ion 68.90 (68.60 to 69.60): VN049866.D (-1777) (-)

Ion 67.90 (67.60 to 68.60): VN049866.D (-1777) (-)

Ion 66.90 (66.60 to 67.60): VN049866.D (-1777) (-)

Ion 65.90 (65.60 to 66.60): VN049866.D (-1777) (-)

Ion 64.90 (64.60 to 65.60): VN049866.D (-1777) (-)

Ion 63.90 (63.60 to 64.60): VN049866.D (-1777) (-)

Ion 62.90 (62.60 to 63.60): VN049866.D (-1777) (-)

Ion 61.90 (61.60 to 62.60): VN049866.D (-1777) (-)

Ion 60.90 (60.60 to 61.60): VN049866.D (-1777) (-)

Ion 59.90 (59.60 to 60.60): VN049866.D (-1777) (-)

Ion 58.90 (58.60 to 59.60): VN049866.D (-1777) (-)

Ion 57.90 (57.60 to 58.60): VN049866.D (-1777) (-)

Ion 56.90 (56.60 to 57.60): VN049866.D (-1777) (-)

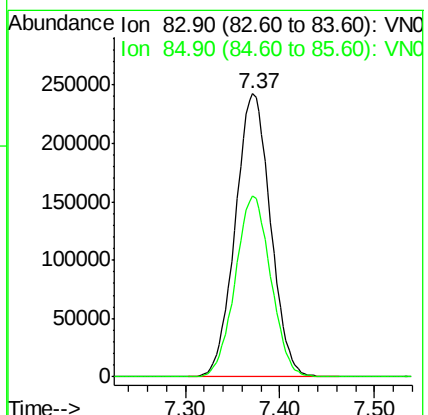
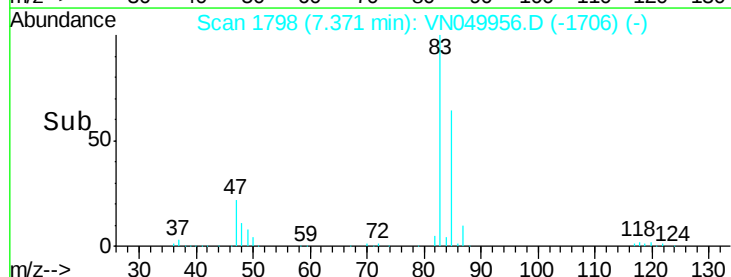
Ion 55.90 (55.60 to 56.60): VN049866.D (-1777) (-)

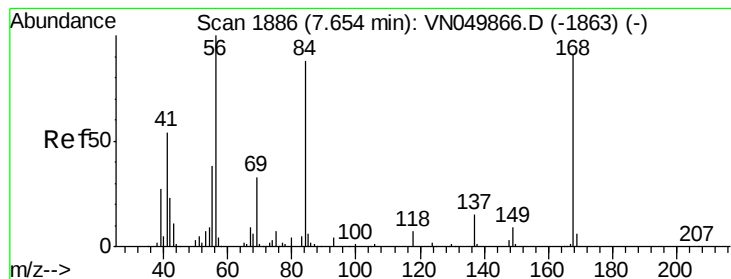
Ion 54.90 (54.60 to 55.60): VN049866.D (-1777) (-)

Ion 53.90 (53.60 to 54.60): VN049866.D (-1777) (-)

Ion 52.90 (52.60 to 53.60): VN049866.D (-1777) (-)

Ion 51.90 (51.60 to 52.60): VN049866.D (-1777) (-)





#31

Cyclohexane

Concen: 43.87 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

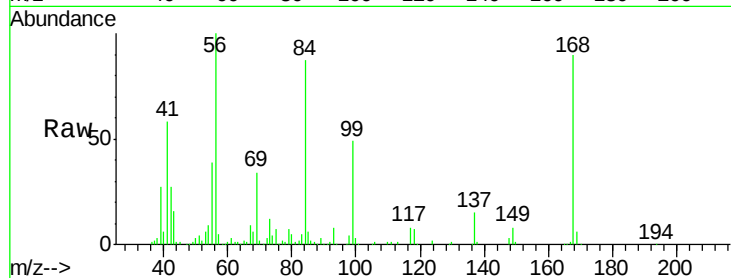
Tot Ion: 56 Resp: 485180

Ion Ratio Lower Upper

56 100

69 34.4 26.6 40.0

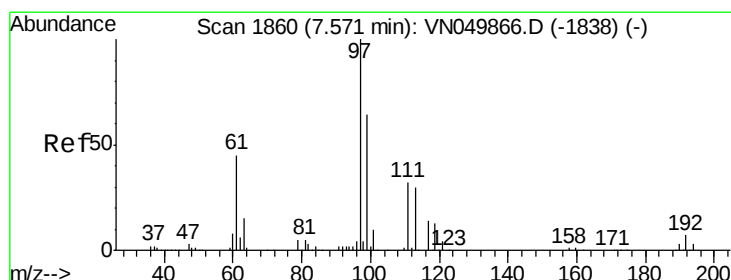
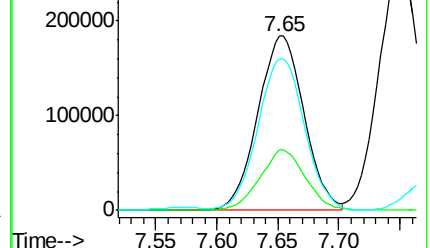
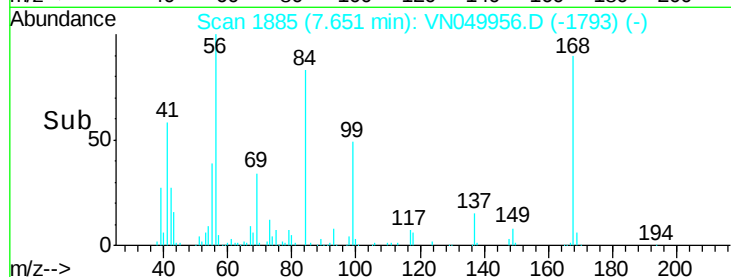
84 85.3 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049956.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049956.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049956.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 44.20 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

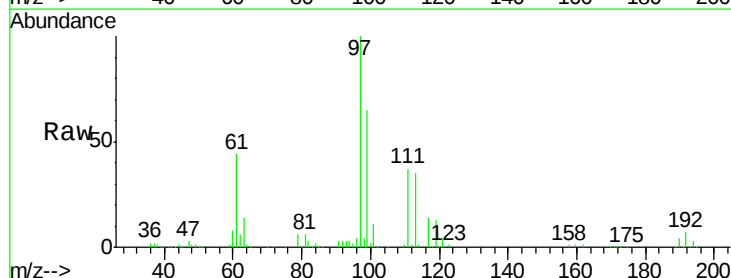
Tgt Ion: 97 Resp: 532944

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

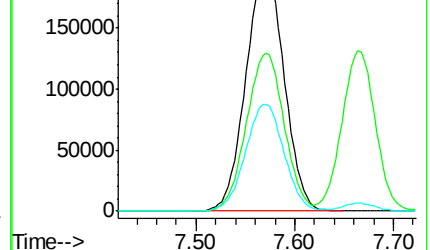
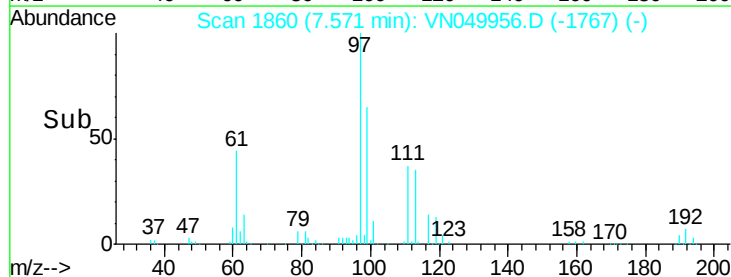
61 44.3 35.5 53.3

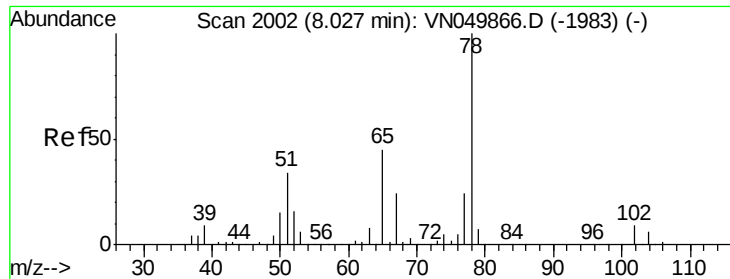


Abundance Ion 96.90 (96.60 to 97.60): VN049956.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049956.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049956.D (-1767) (-)

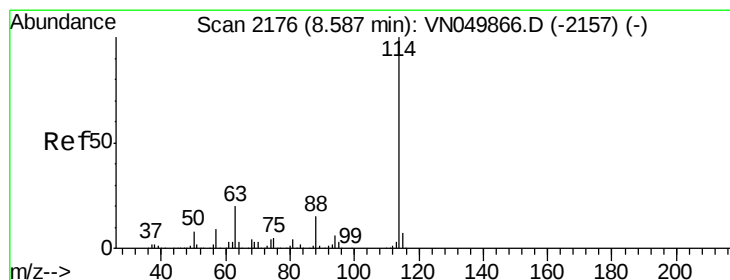
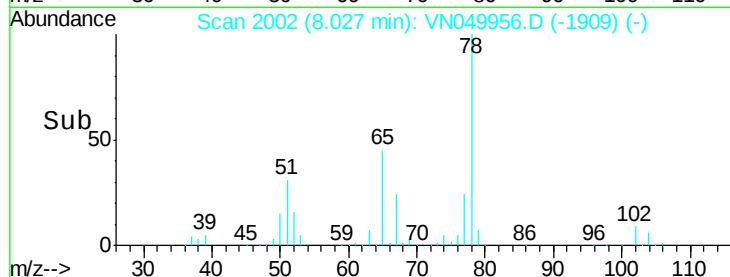
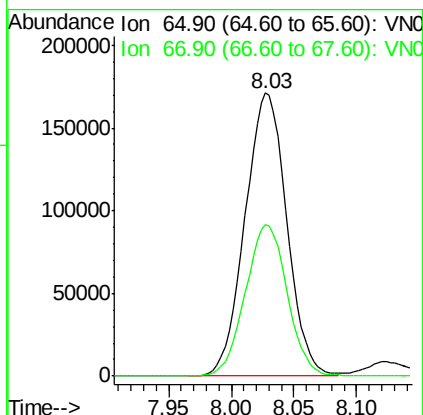
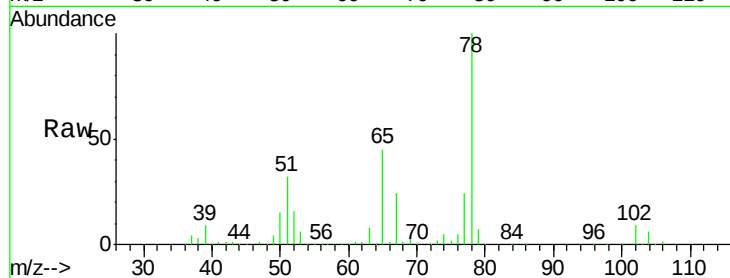




#33
 1,2-Dichloroethane-d4
 Concen: 47.52 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

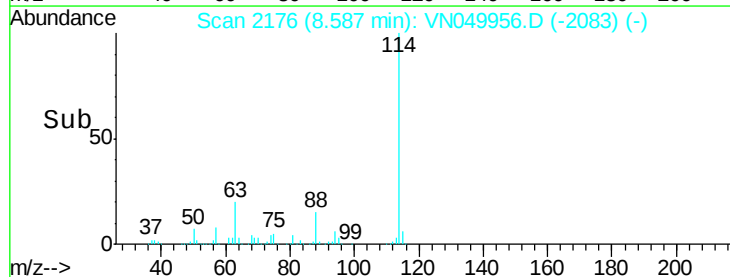
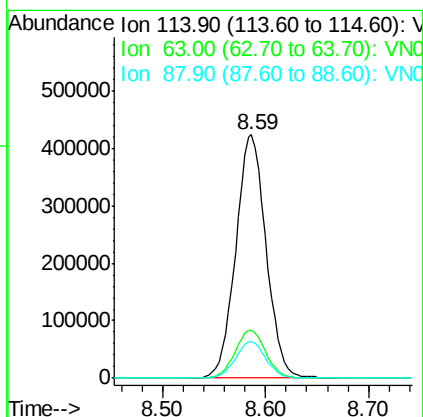
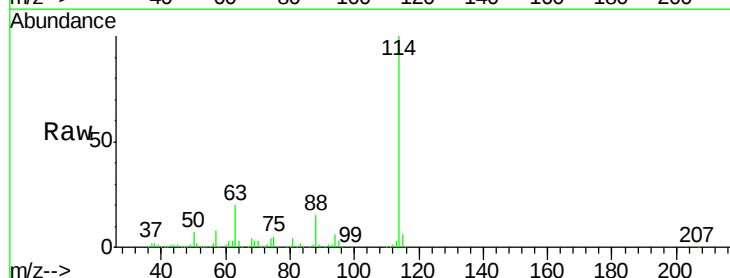
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

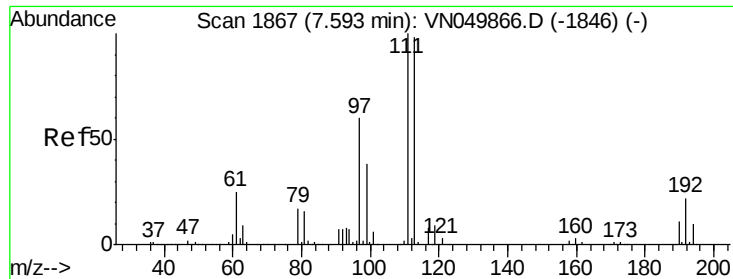
Tot Ion: 65 Resp: 396421
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 114 Resp: 865535
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.2 0.0 30.6

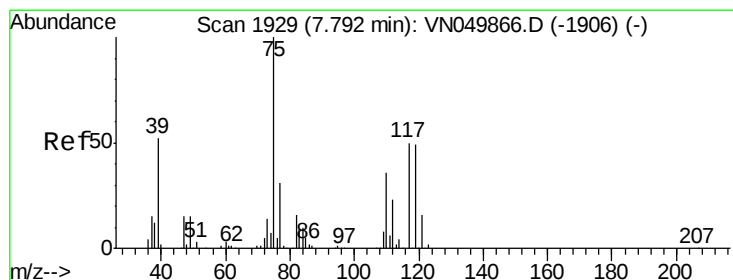
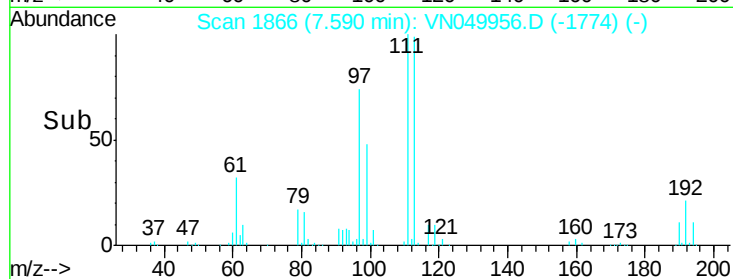
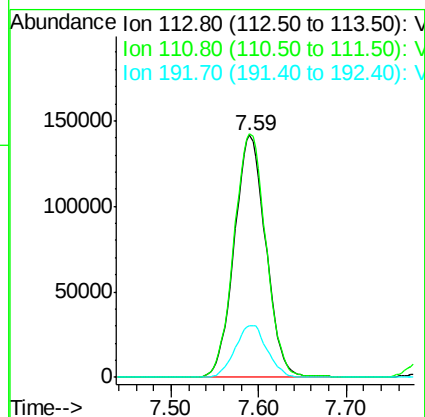
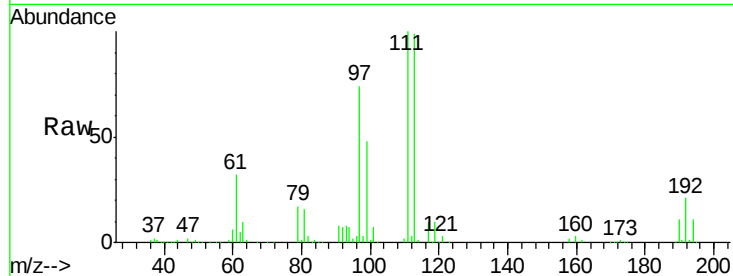




#35
 Dibromofluoromethane
 Concen: 48.71 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

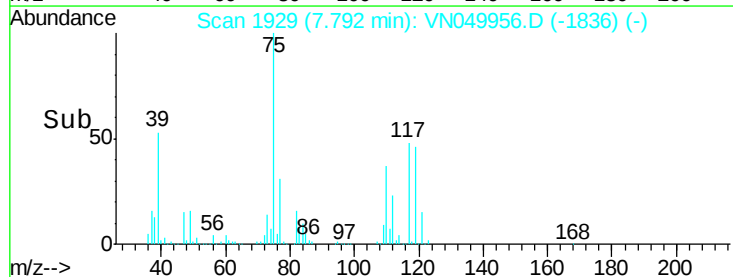
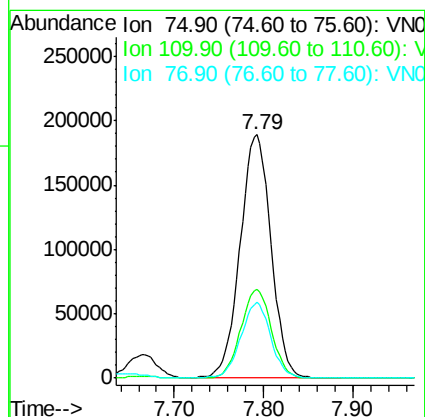
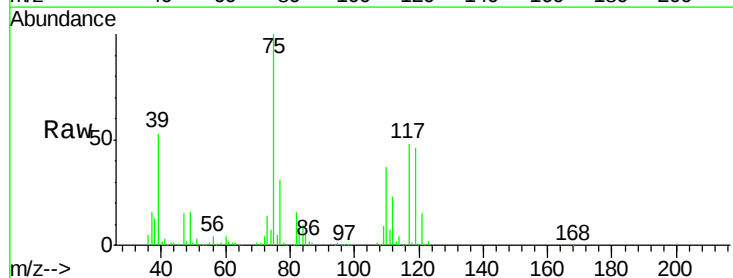
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

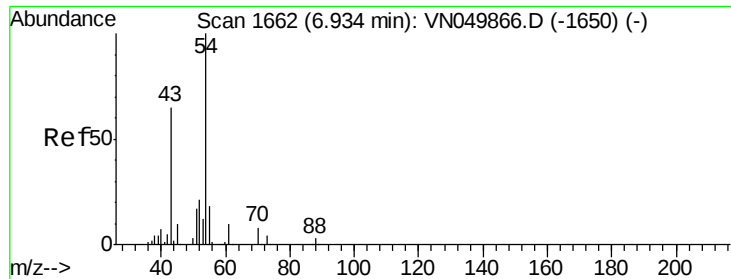
Tot Ion:113 Resp: 353912
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.8
 192 21.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 47.23 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 75 Resp: 454531
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.4
 77 30.3 24.9 37.3

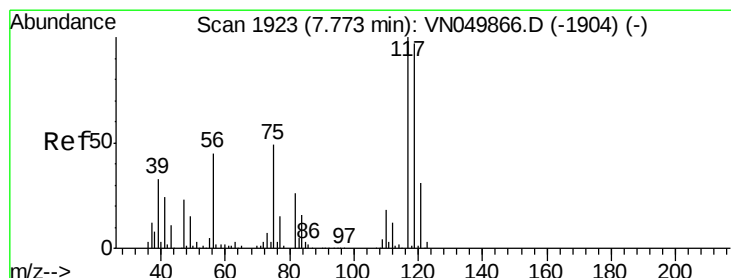
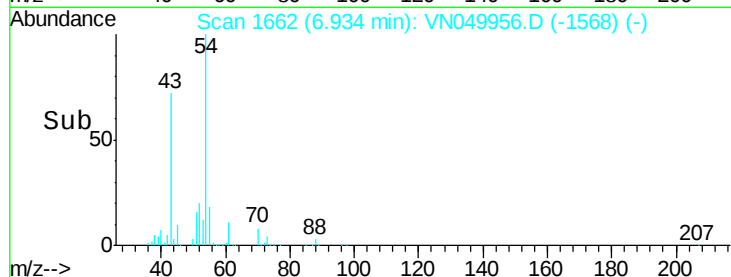
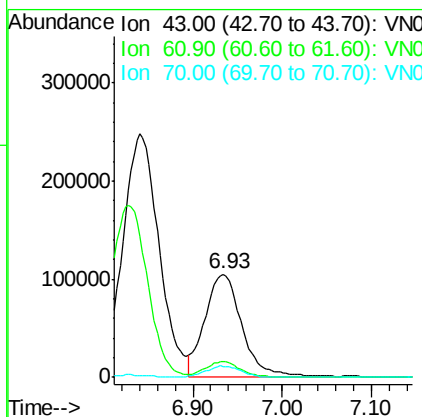
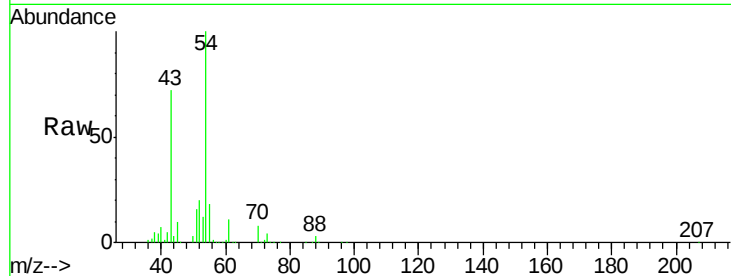




#37
Ethyl Acetate
Concen: 45.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

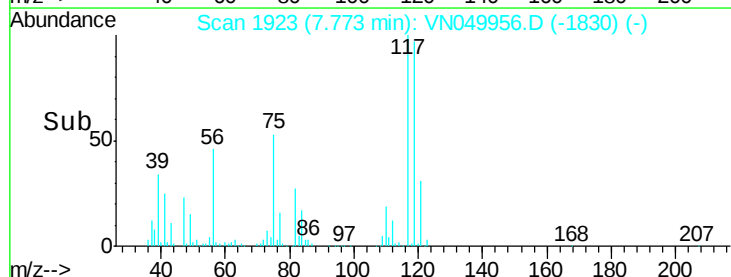
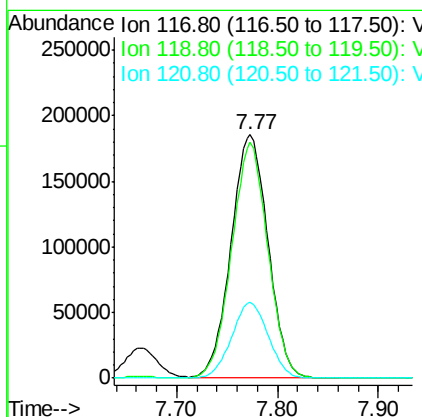
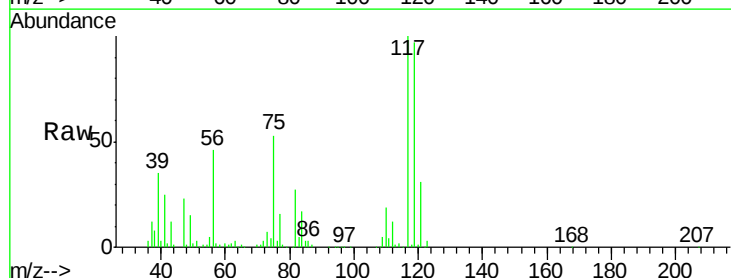
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

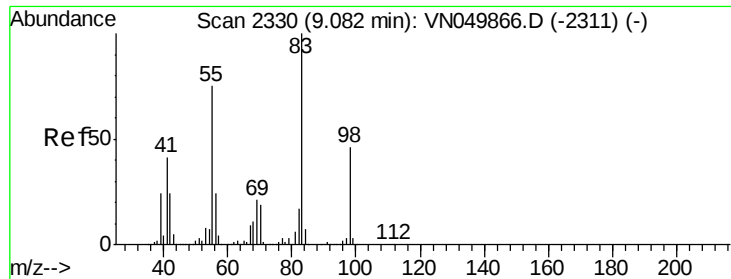
Tot Ion: 43 Resp: 298269
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 45.84 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 117 Resp: 472528
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
121 31.0 25.0 37.6

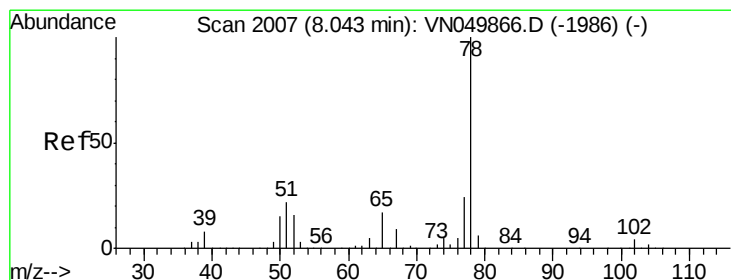
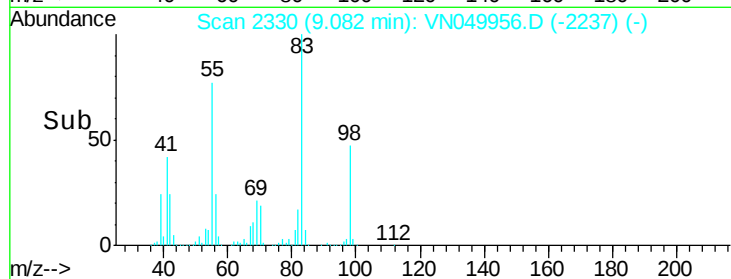
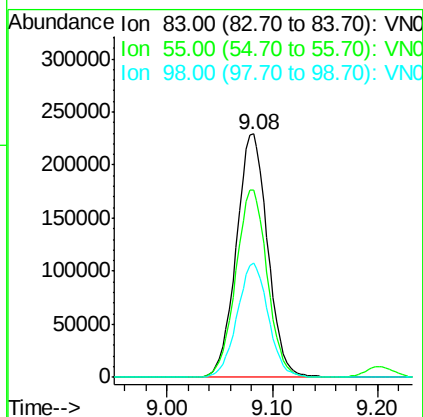
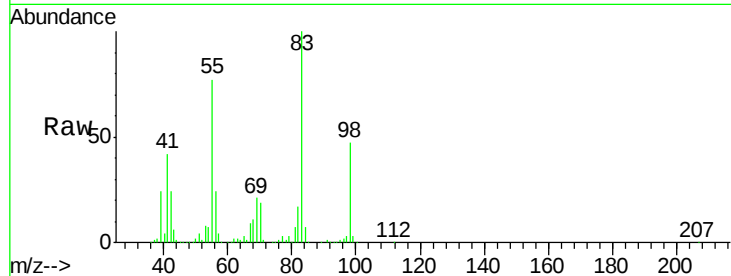




#39
Methvlcvclohexane
Concen: 47.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

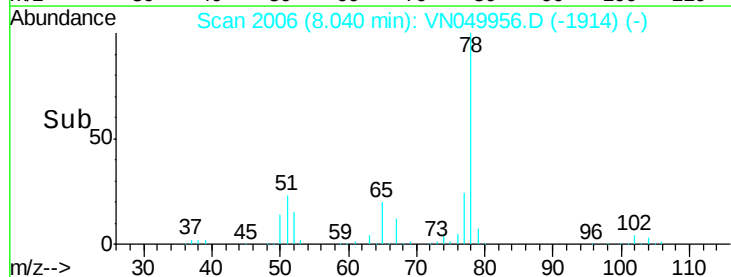
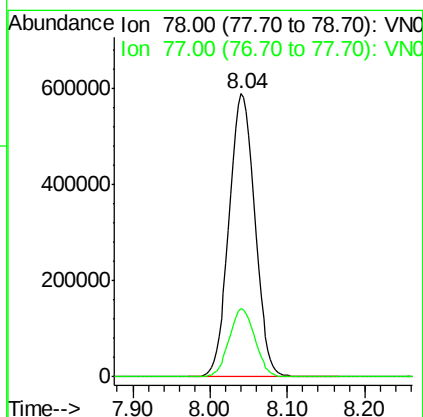
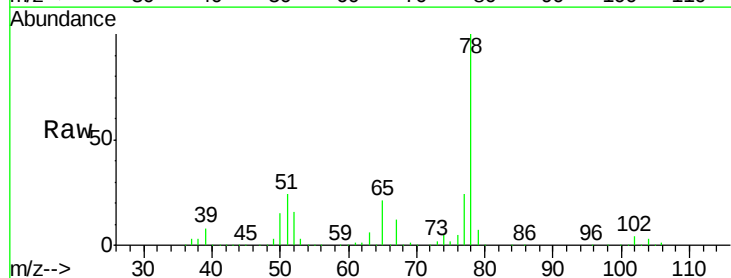
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

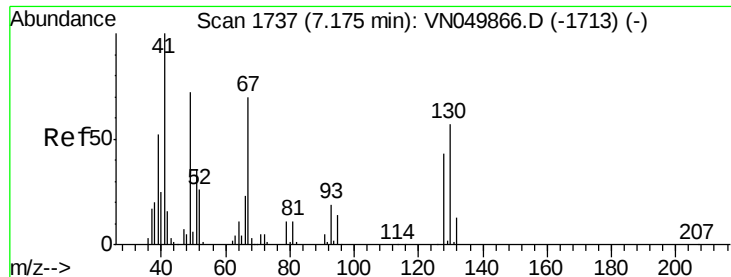
Tot Ion: 83 Resp: 473684
Ion Ratio Lower Upper
83 100
55 77.0 59.7 89.5
98 46.9 36.5 54.7



#40
Benzene
Concen: 46.39 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 78 Resp: 1360623
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

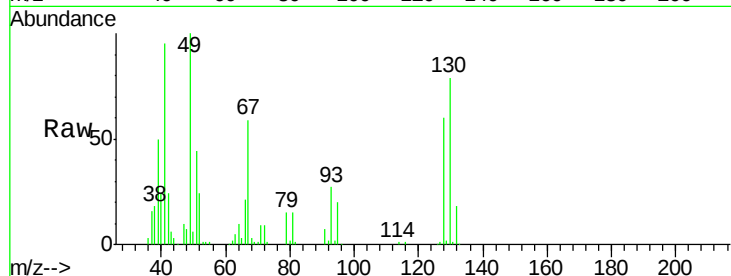




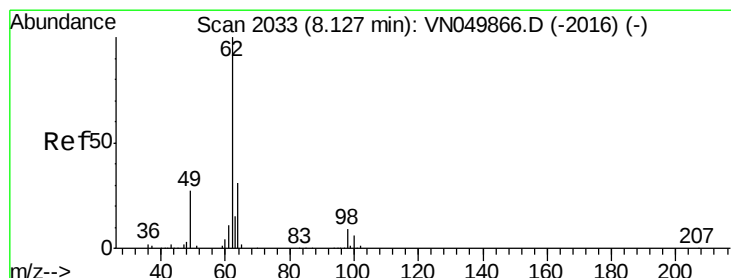
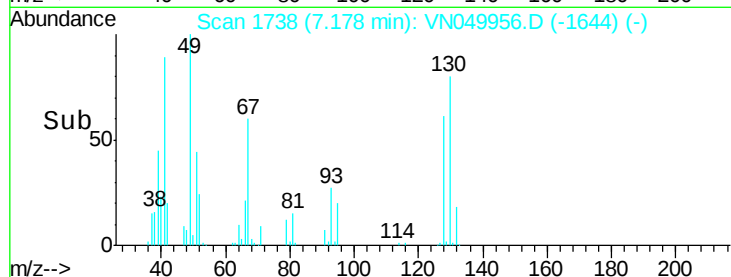
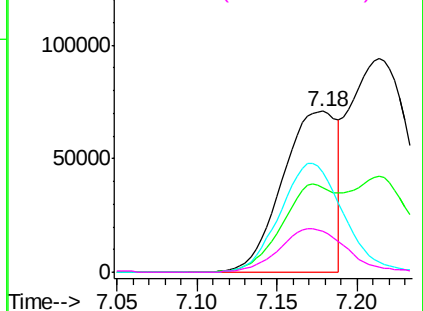
#41
Methacrylonitrile
Concen: 50.99 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	168936
Ion	Ratio	Lower	Upper
41	100		
39	53.1	45.4	68.2
67	78.6	65.4	98.0
52	32.6	24.7	37.1

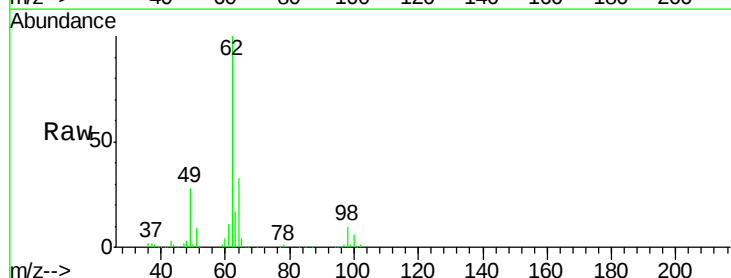


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

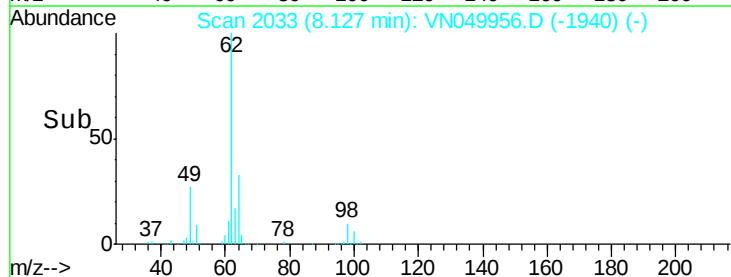
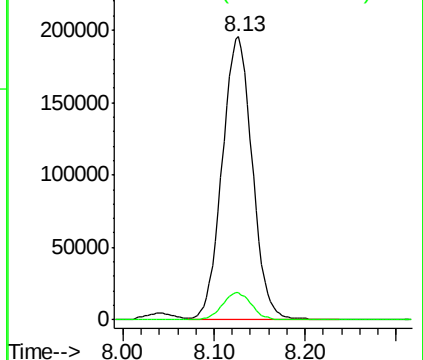


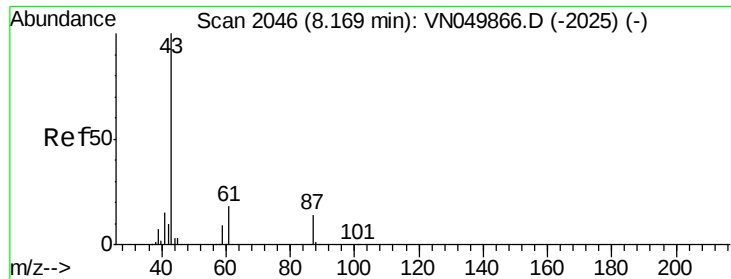
#42
1,2-Dichloroethane
Concen: 46.13 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion:	62	Resp:	448194
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0



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



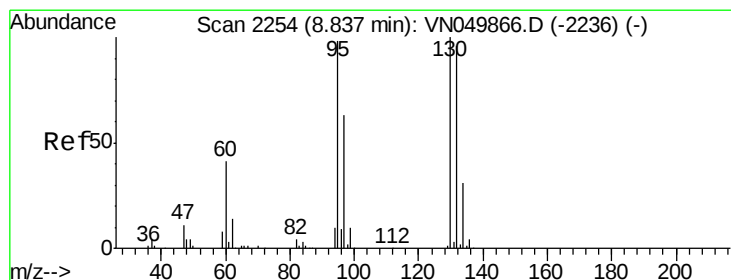
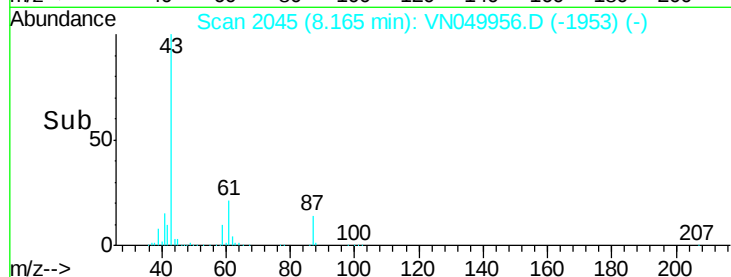
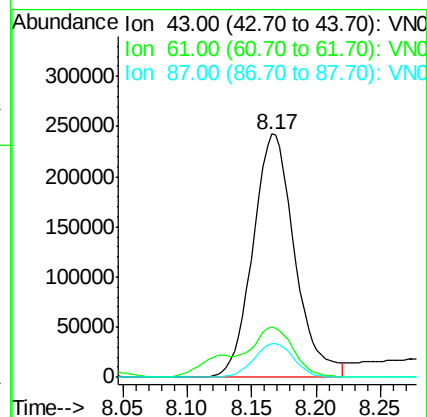
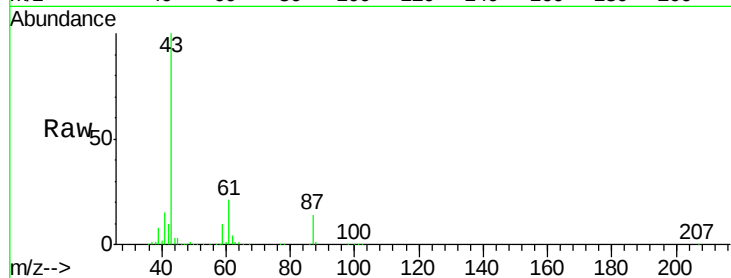


#43

Isopropyl Acetate
 Concen: 47.43 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

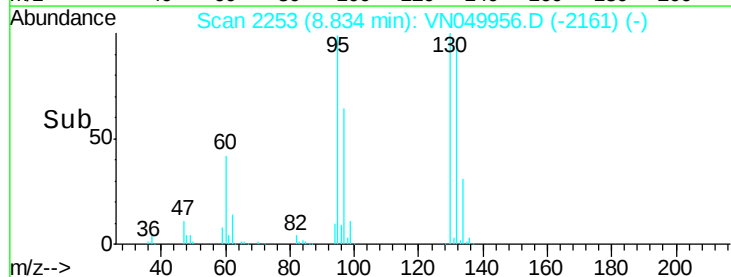
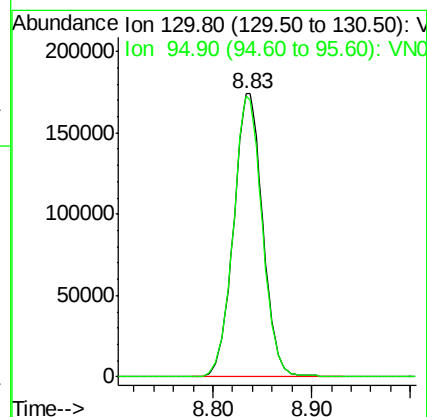
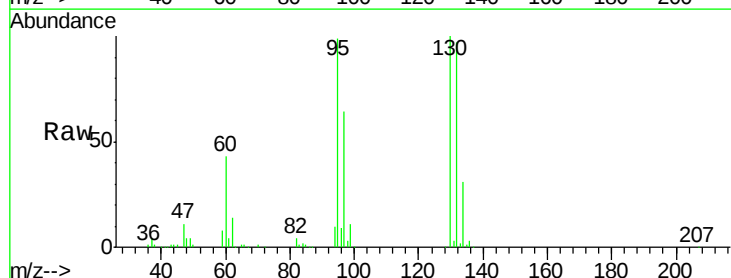
Tot Ion: 43 Resp: 547556
 Ion Ratio Lower Upper
 43 100
 61 19.1 14.9 22.3
 87 13.4 10.0 15.0

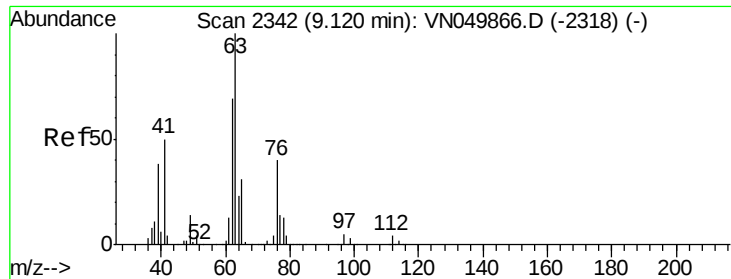


#44

Trichloroethene
 Concen: 46.35 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 130 Resp: 356488
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 192.8

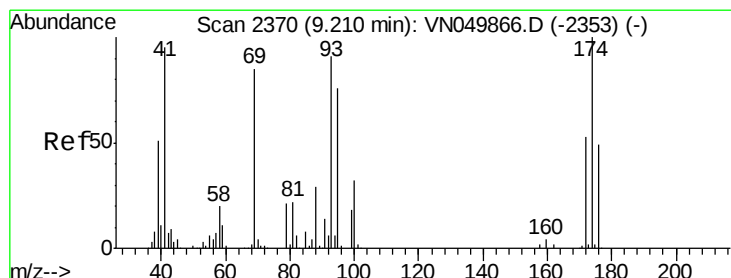
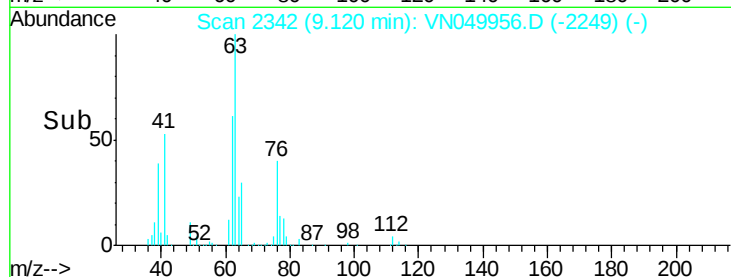
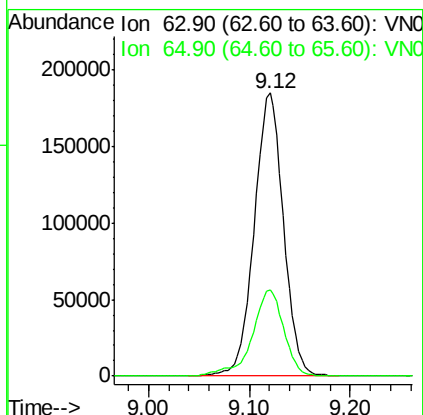
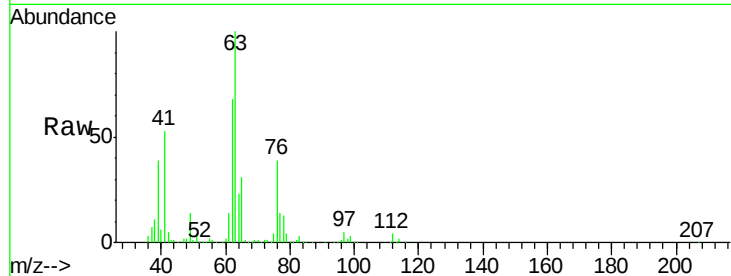




#45
 1,2-Dichloropropane
 Concen: 46.85 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

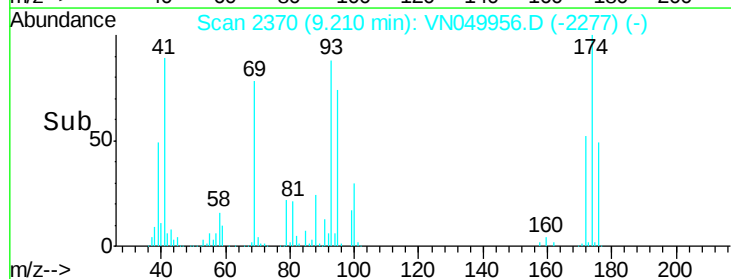
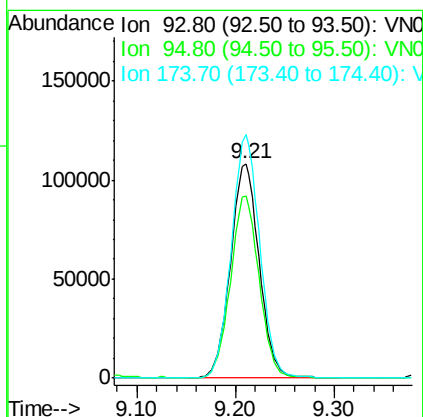
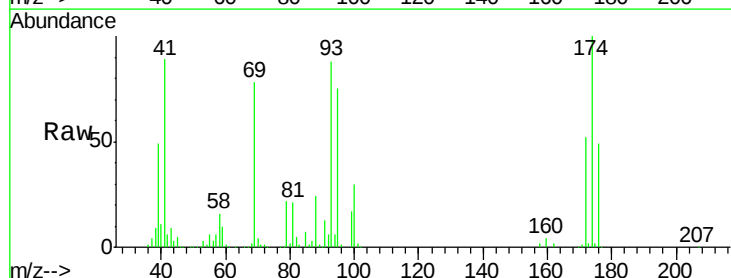
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

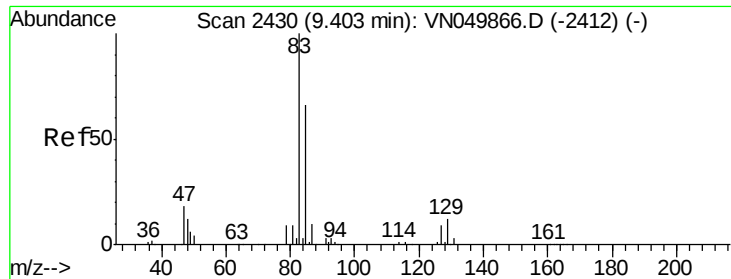
Tot Ion: 63 Resp: 370730
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 44.79 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 93 Resp: 219813
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.9 101.9
 174 112.4 89.4 134.0

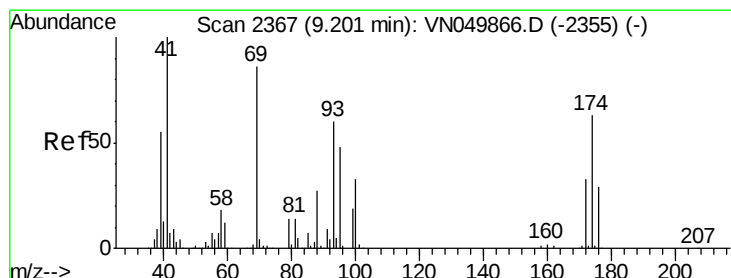
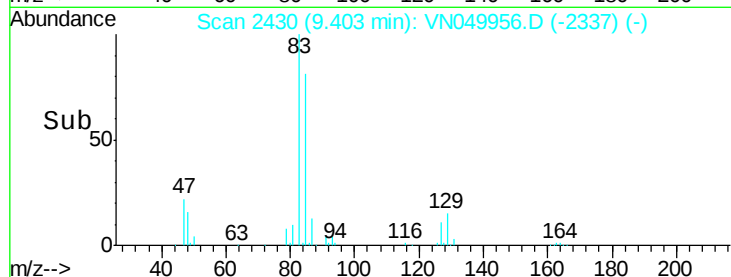
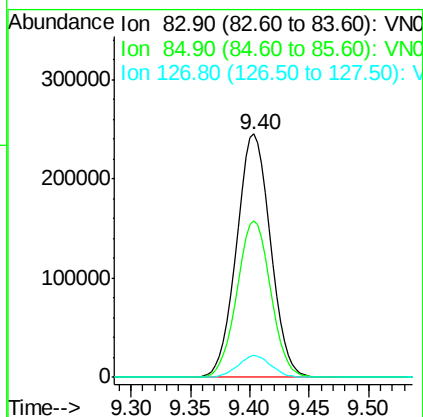
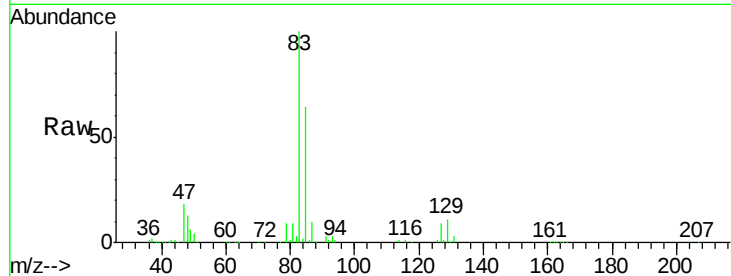




#47
Bromodichloromethane
Concen: 47.85 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

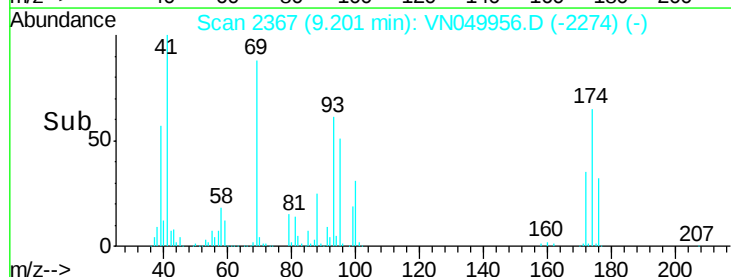
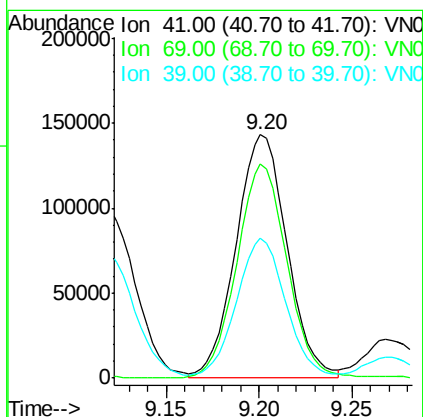
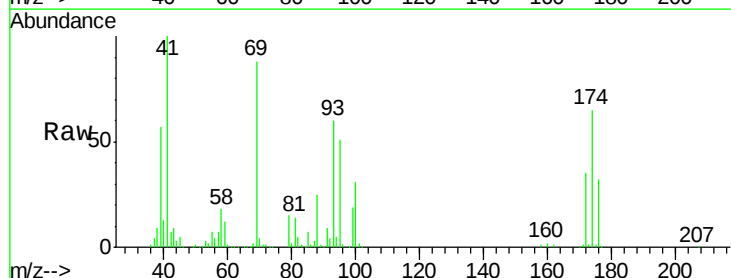
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

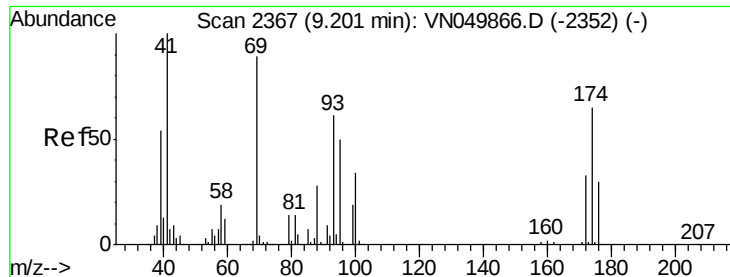
Tot Ion: 83 Resp: 485630
Ion Ratio Lower Upper
83 100
85 64.3 50.5 75.7
127 9.0 6.8 10.2



#48
Methyl methacrylate
Concen: 46.92 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 41 Resp: 271723
Ion Ratio Lower Upper
41 100
69 87.8 71.5 107.3
39 56.1 44.7 67.1

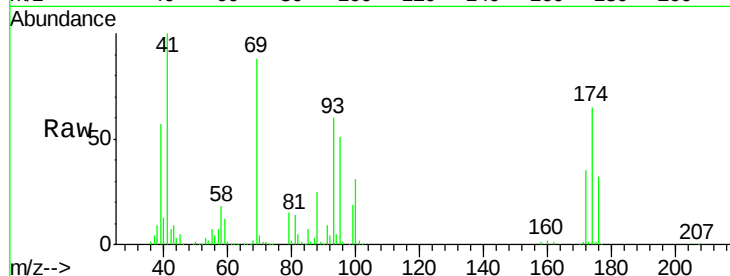




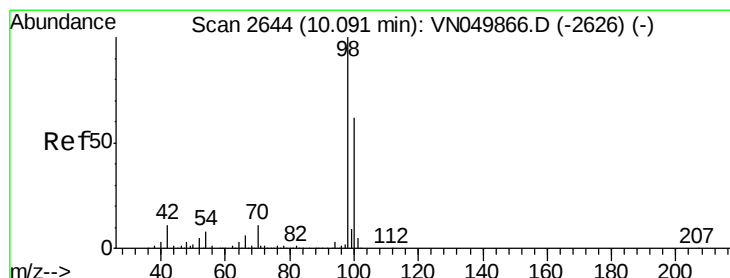
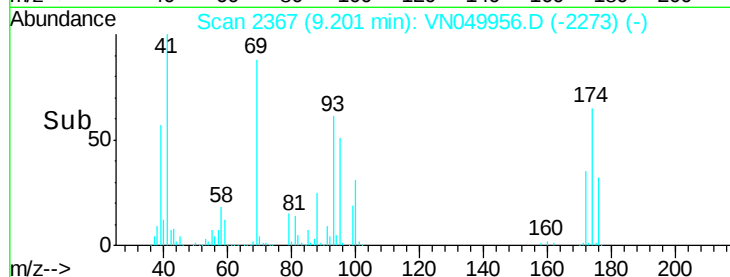
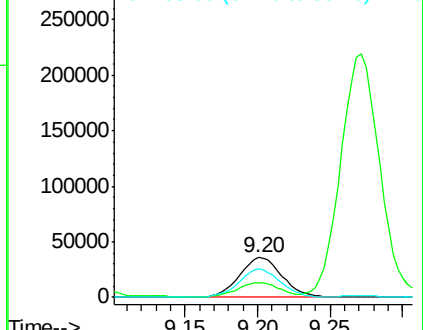
#49
1,4-Dioxane
Concen: 891.80 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 73268
Ion Ratio Lower Upper
88 100
43 33.8 25.1 37.7
58 70.2 52.5 78.7

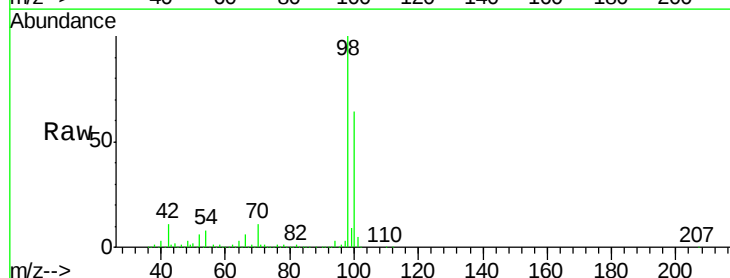


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

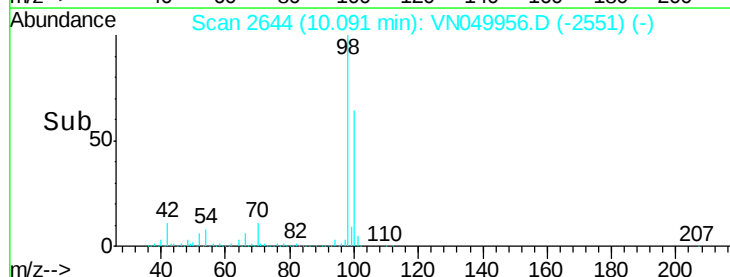
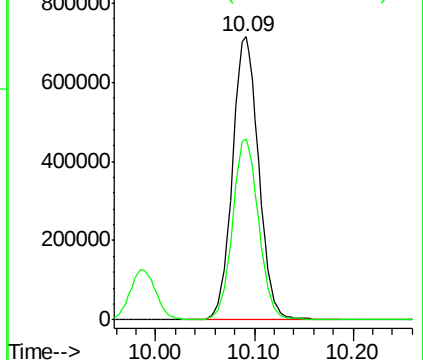


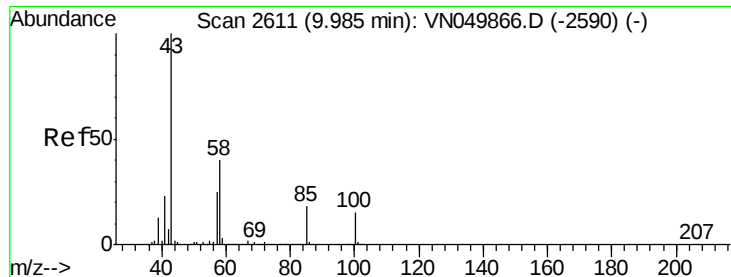
#50
Toluene-d8
Concen: 49.88 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 98 Resp: 1320645
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

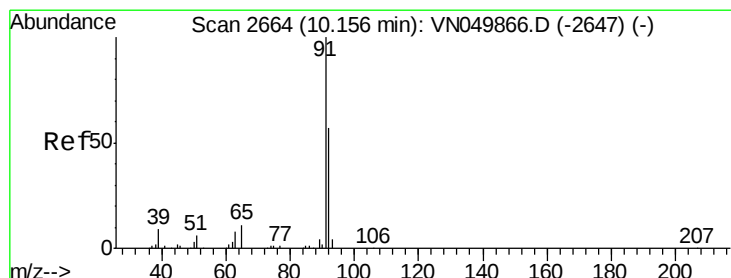
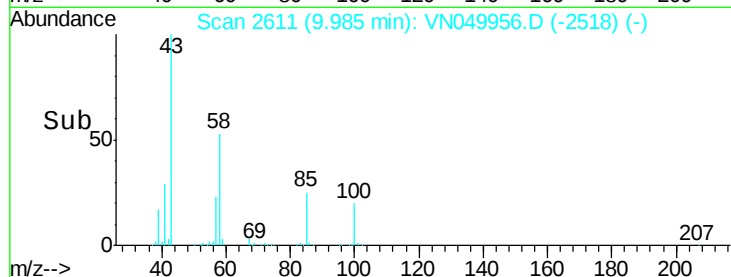
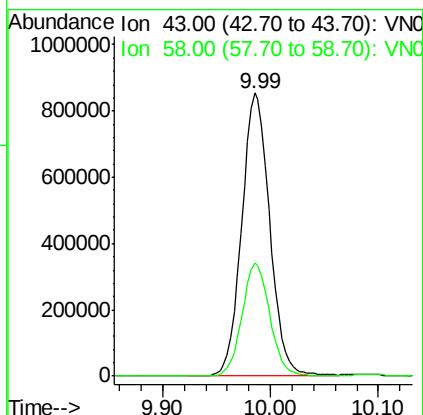
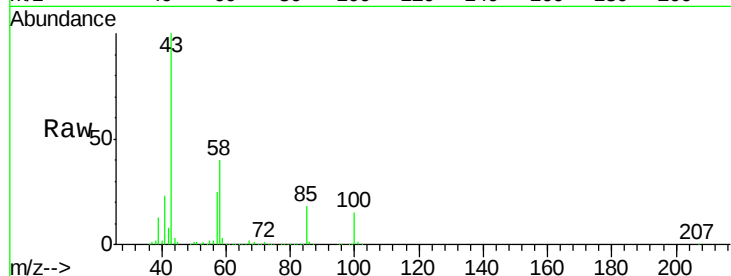




#51
 4-Methyl-2-Pentanone
 Concen: 239.02 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

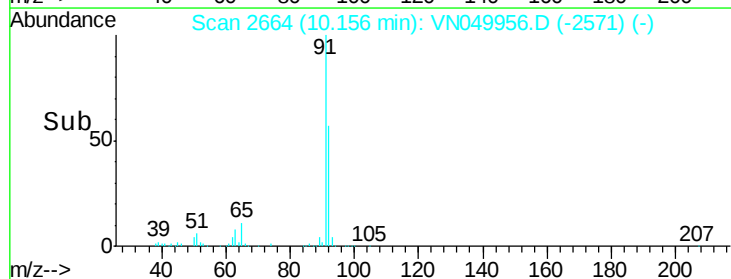
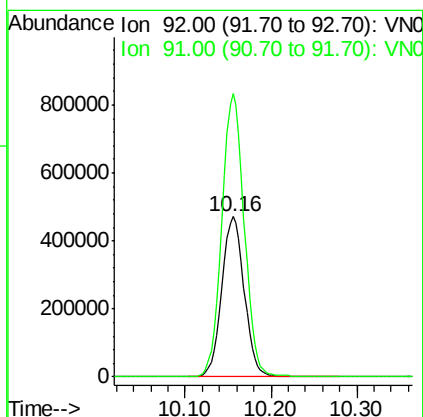
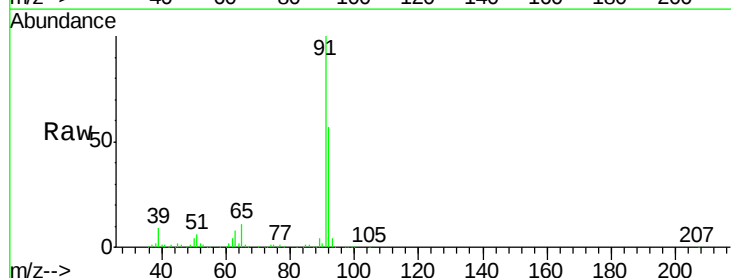
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

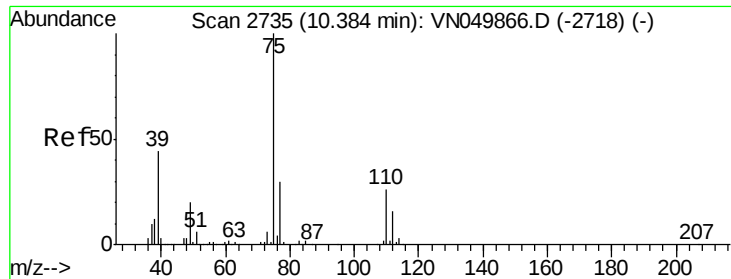
Tot Ion: 43 Resp: 1542611
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.8



#52
 Toluene
 Concen: 48.84 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 92 Resp: 854564
 Ion Ratio Lower Upper
 92 100
 91 176.3 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 48.87 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

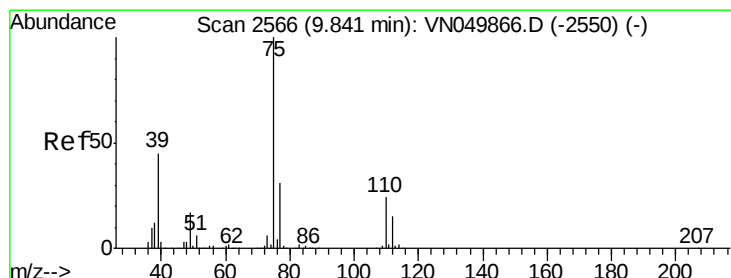
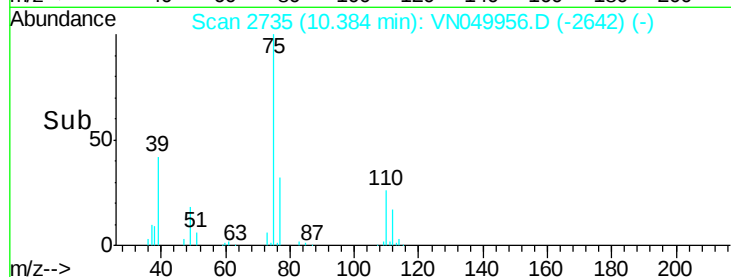
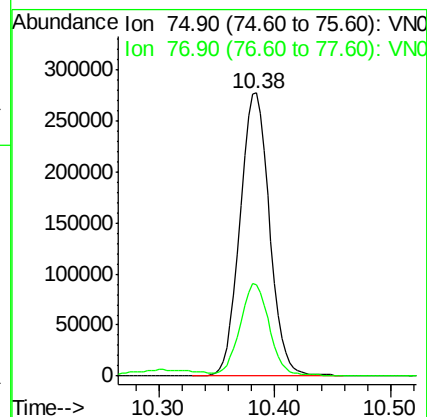
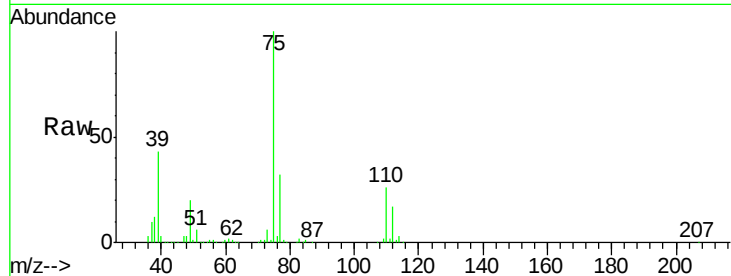
VSTDCCC050

Tot Ion: 75 Resp: 490410

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 50.23 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

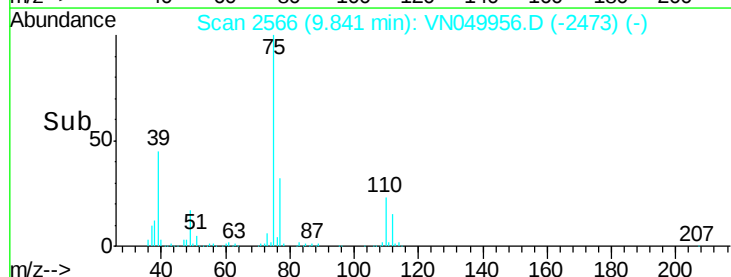
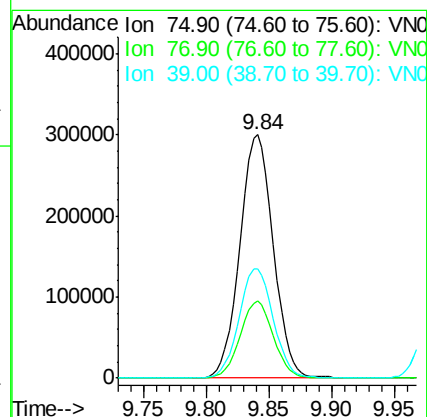
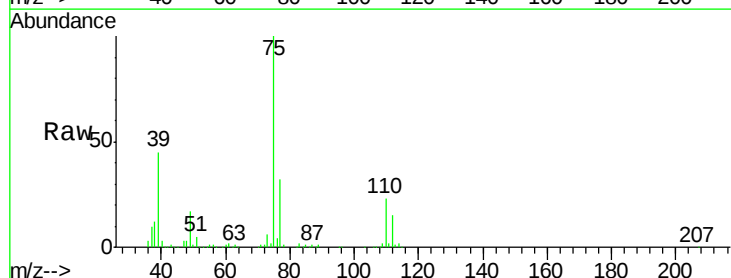
Tgt Ion: 75 Resp: 557071

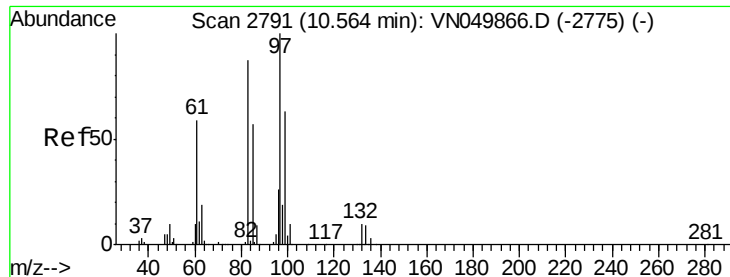
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 44.8 35.5 53.3

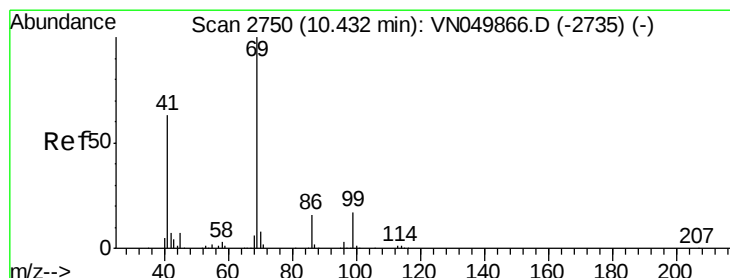
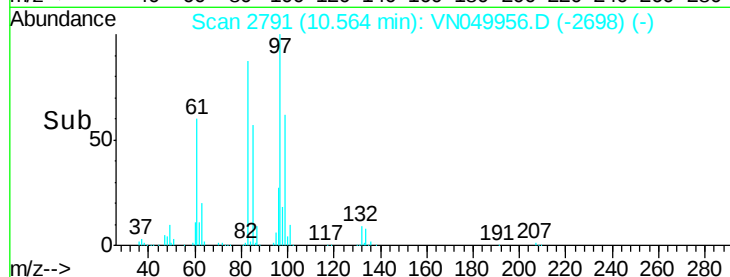
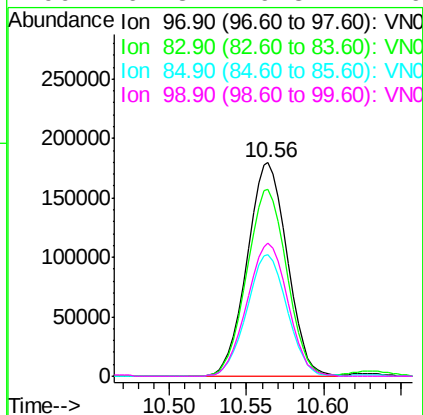
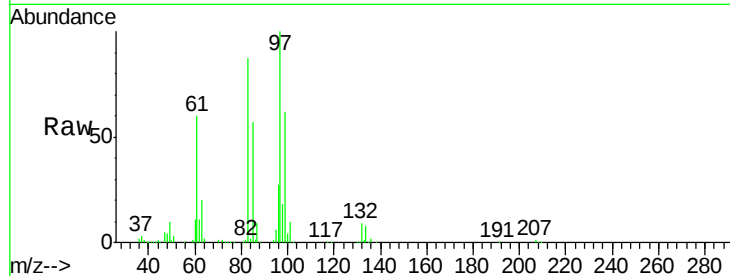




#55
 1,1,2-Trichloroethane
 Concen: 44.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

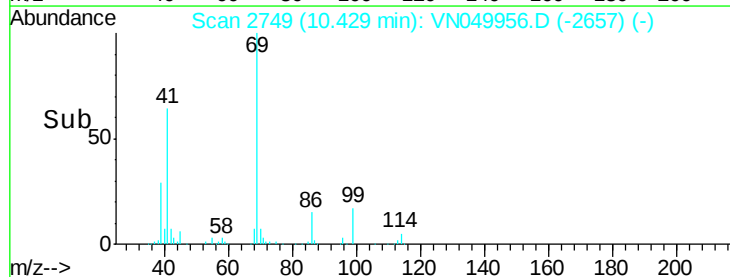
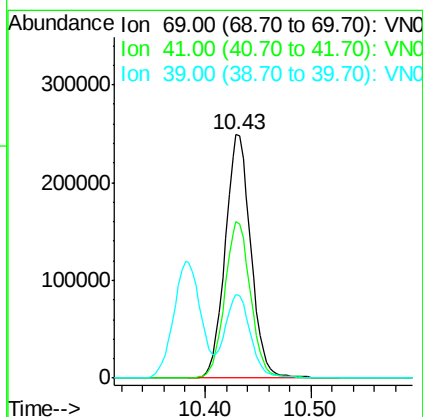
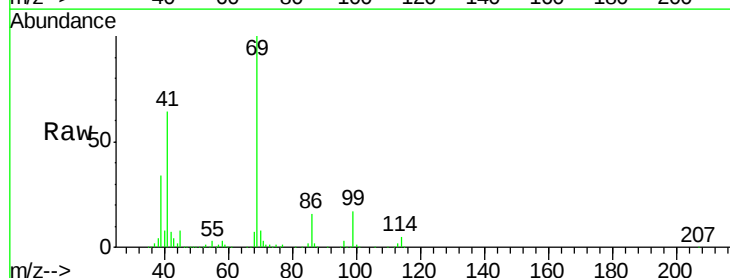
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

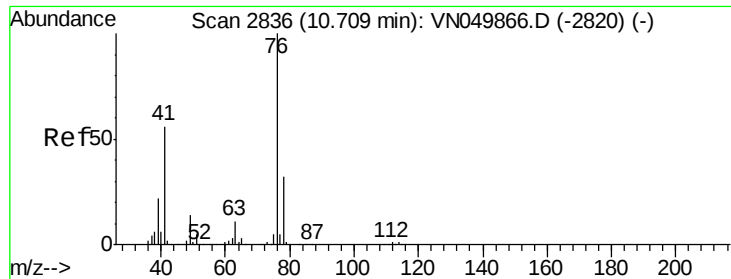
Tot Ion: 97 Resp: 325112
 Ion Ratio Lower Upper
 97 100
 83 87.4 69.0 103.6
 85 57.1 44.9 67.3
 99 62.3 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 43.34 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 69 Resp: 417763
 Ion Ratio Lower Upper
 69 100
 41 63.6 51.6 77.4
 39 33.3 25.8 38.8

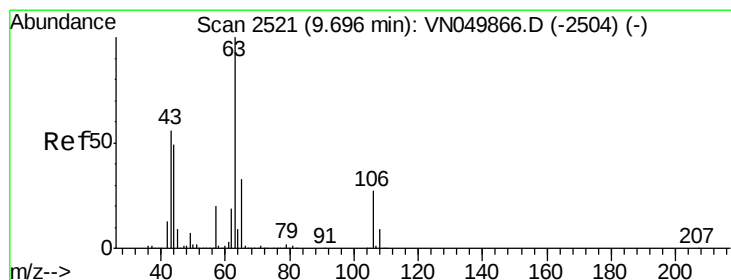
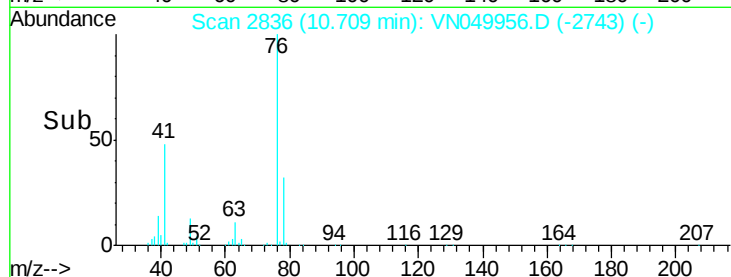
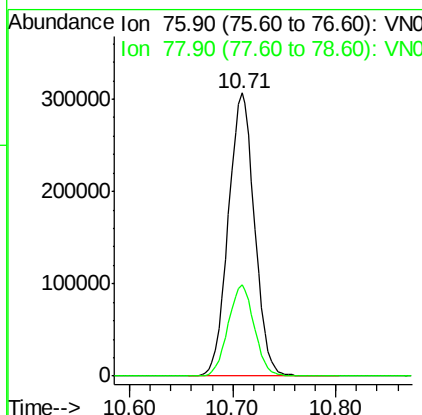
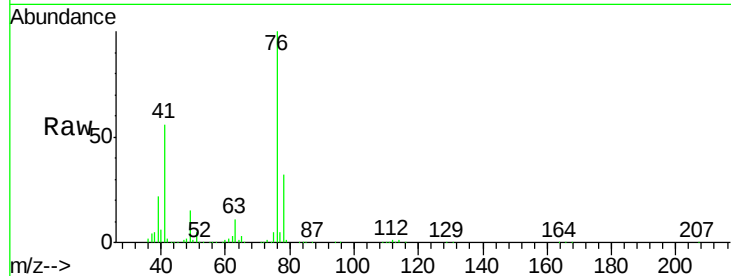




#57
 1,3-Dichloropropane
 Concen: 47.71 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

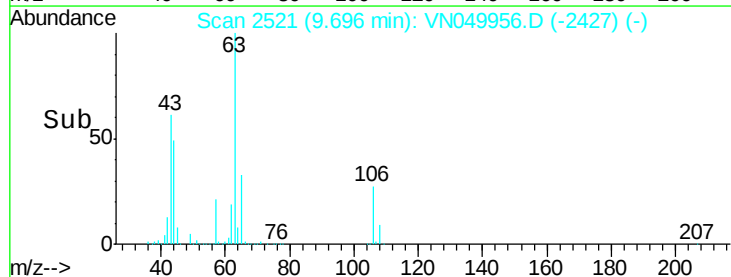
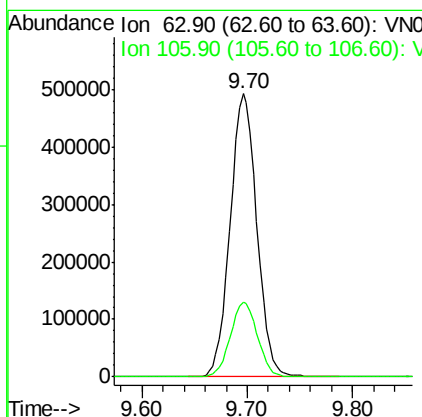
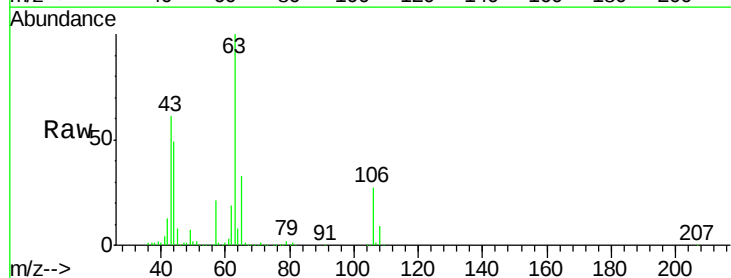
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

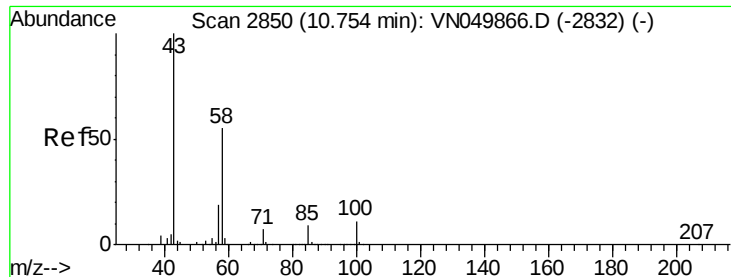
Tot Ion: 76 Resp: 543043
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 191.13 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 63 Resp: 861301
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.8 32.8

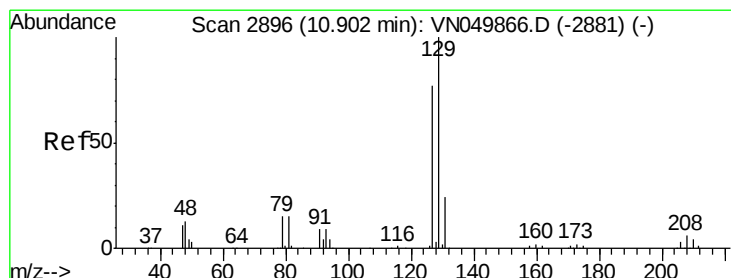
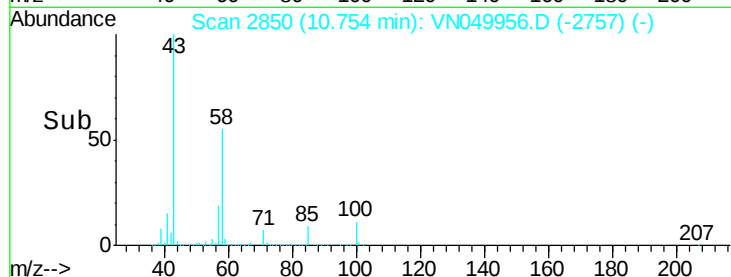
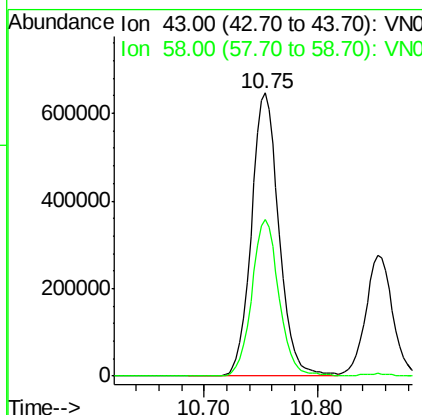
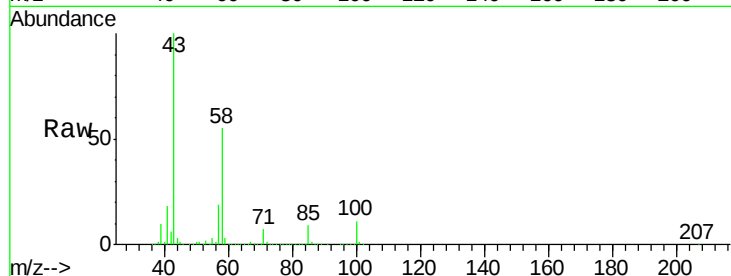




#59
2-Hexanone
Concen: 251.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

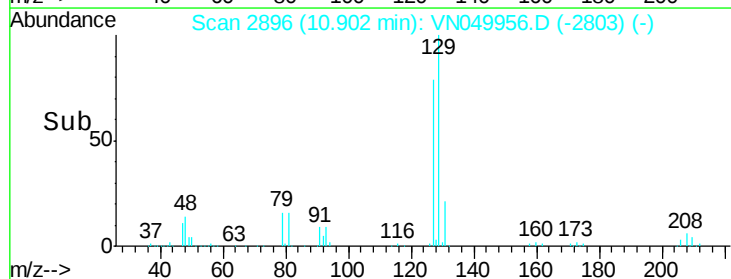
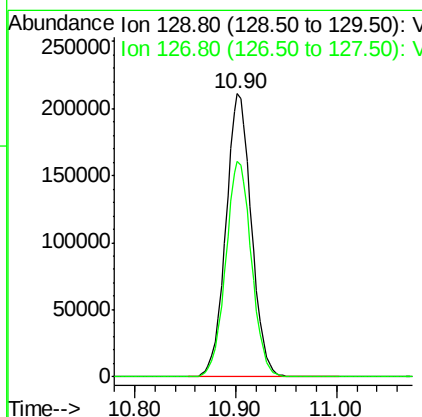
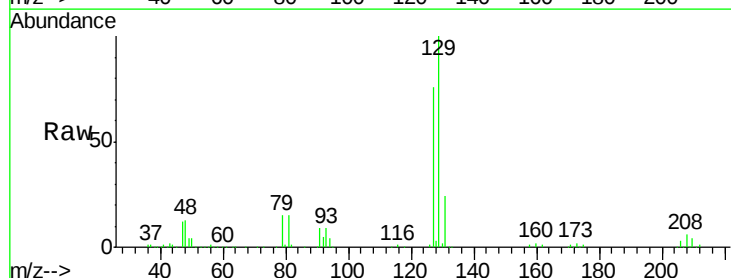
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

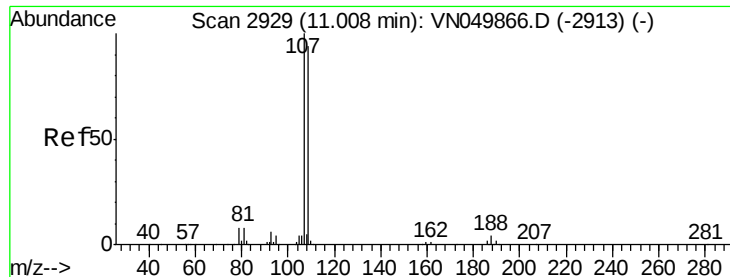
Tot Ion: 43 Resp: 1088855
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4



#60
Dibromochloromethane
Concen: 46.92 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 129 Resp: 371938
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9

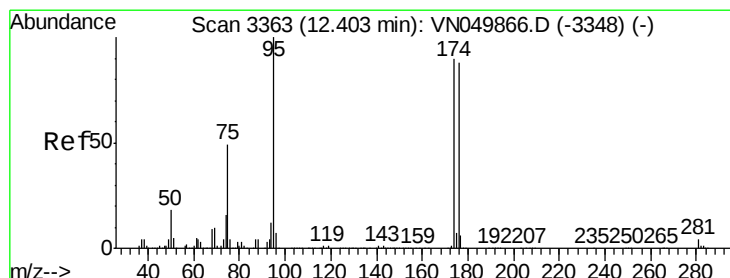
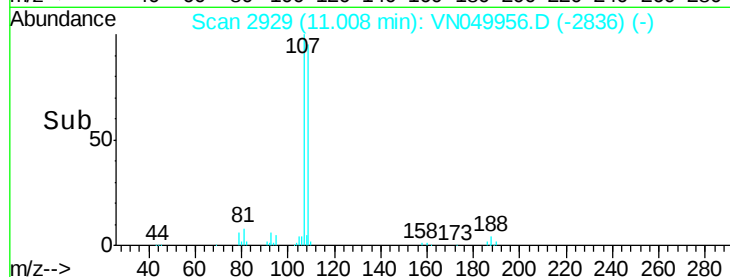
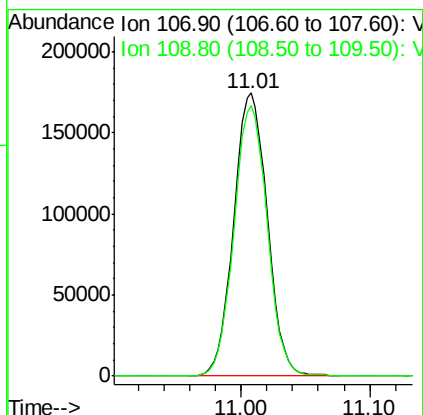
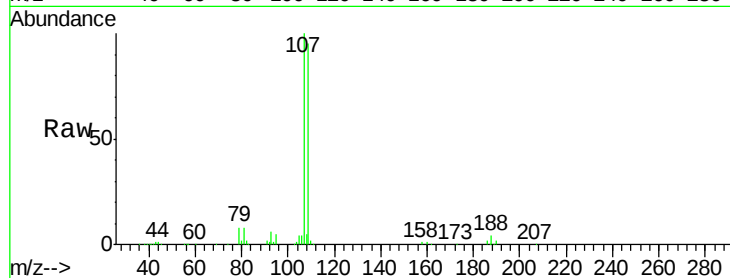




#61
 1,2-Dibromoethane
 Concen: 46.86 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

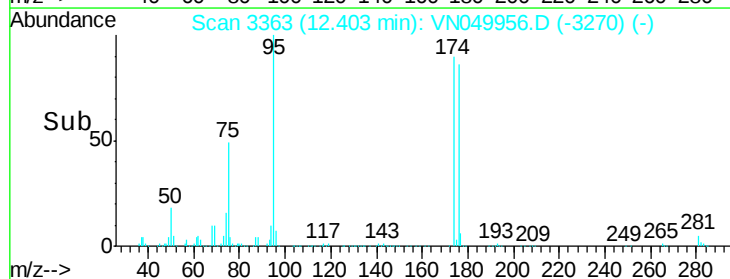
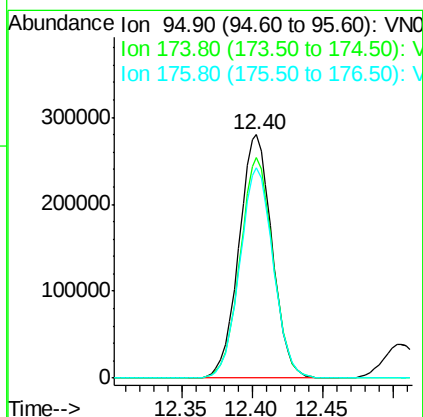
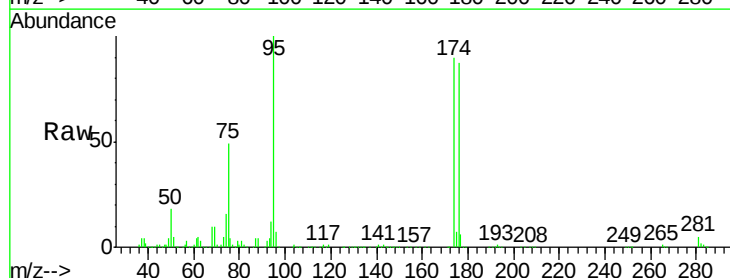
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

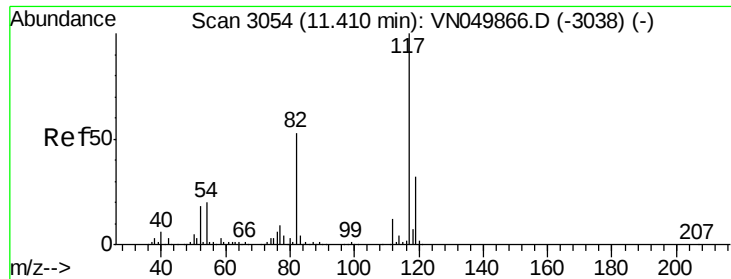
Tot Ion: 107 Resp: 316497
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.50 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 95 Resp: 460489
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 179.6
 176 86.9 0.0 174.0

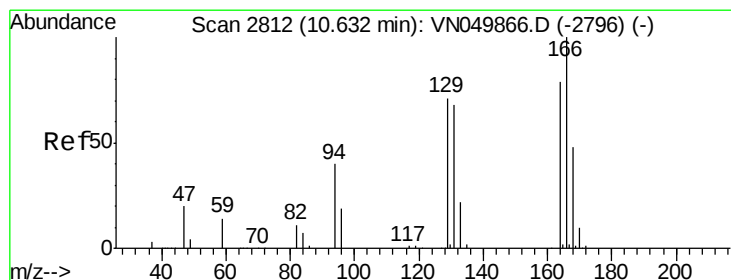
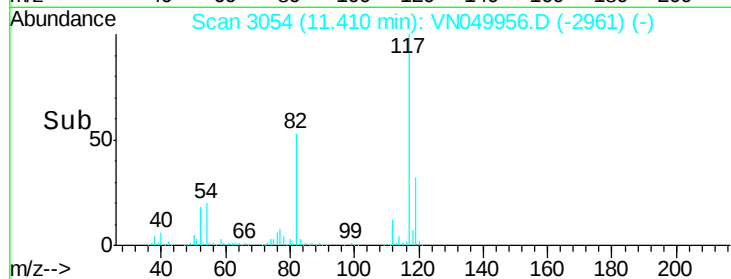
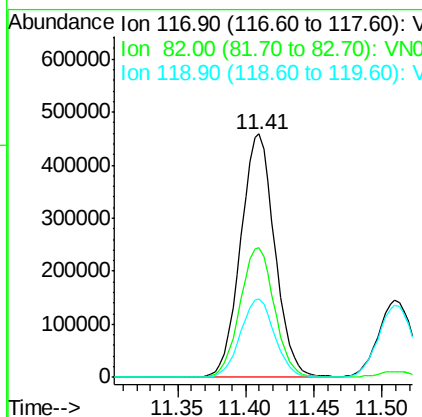
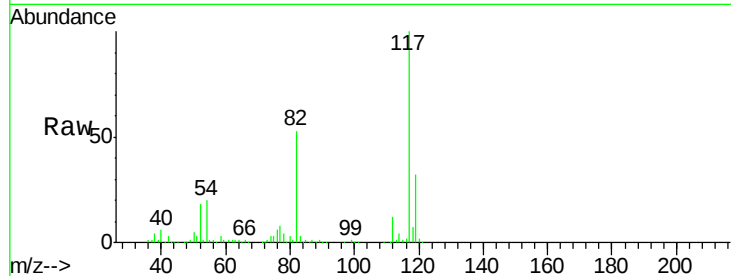




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

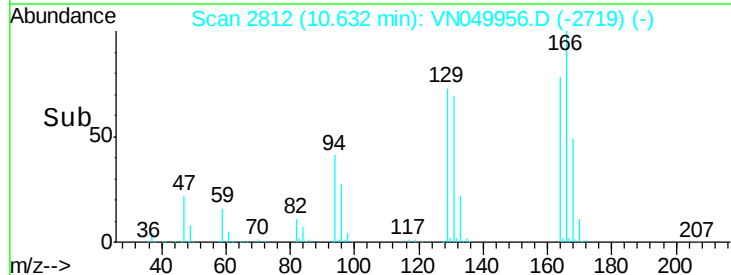
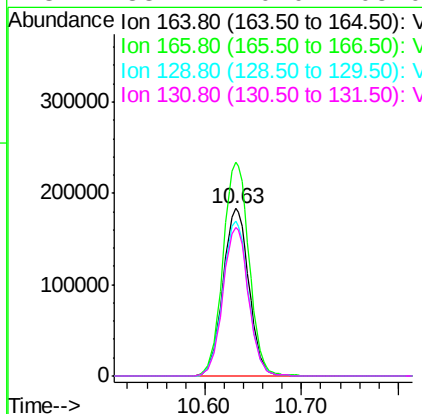
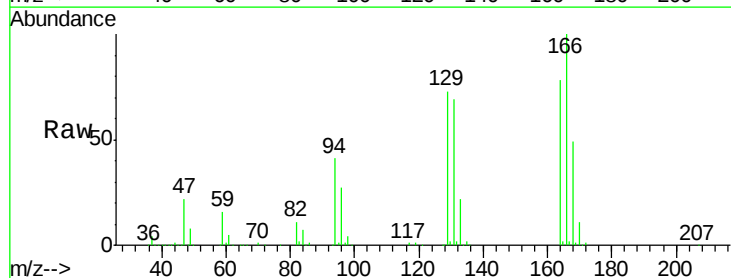
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

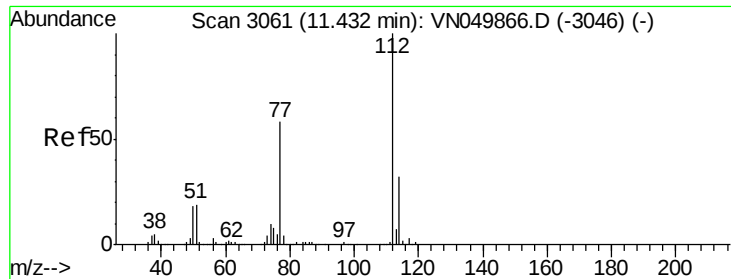
Tot Ion:117 Resp: 797068
Ion Ratio Lower Upper
117 100
82 53.3 41.9 62.9
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 47.39 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion:164 Resp: 339451
Ion Ratio Lower Upper
164 100
166 127.7 101.8 152.6
129 93.0 72.8 109.2
131 88.7 70.0 105.0





#65

Chlorobenzene

Concen: 47.76 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

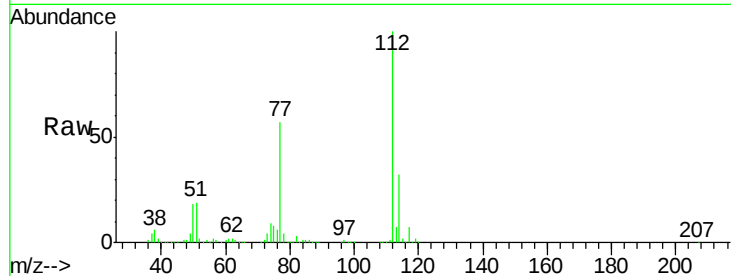
VSTDCCC050

Tot Ion:112 Resp: 956486

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

600000

500000

400000

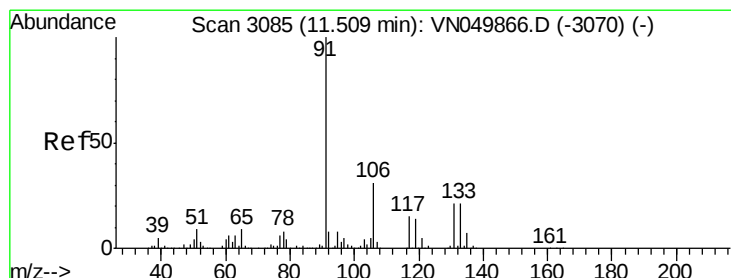
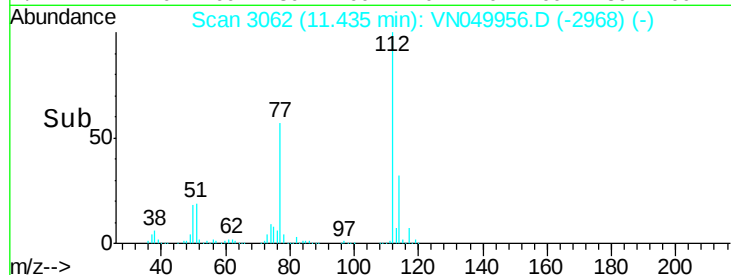
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.36 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

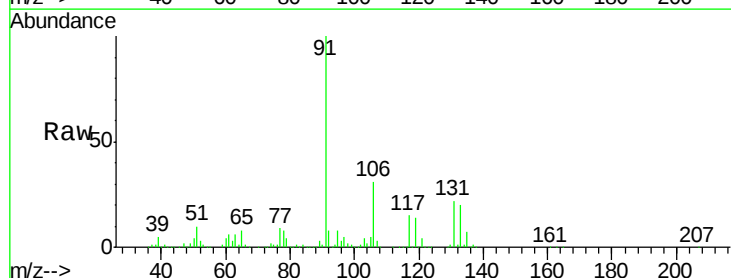
Tgt Ion:131 Resp: 367404

Ion Ratio Lower Upper

131 100

133 94.3 47.5 142.6

119 65.2 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

300000

250000

200000

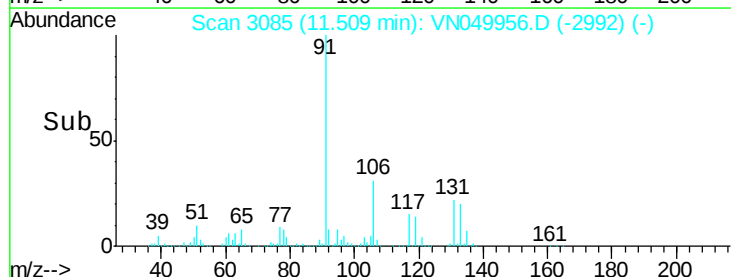
150000

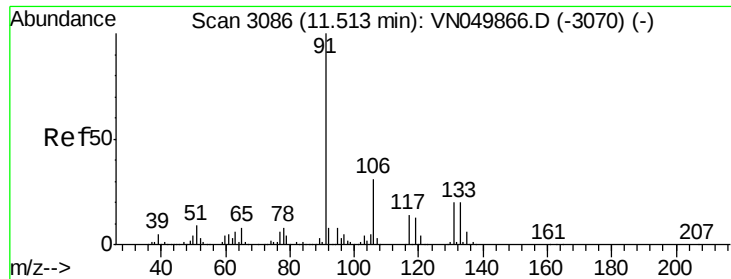
100000

50000

0

Time-->

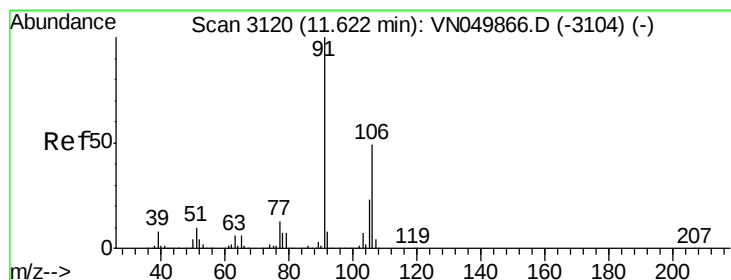
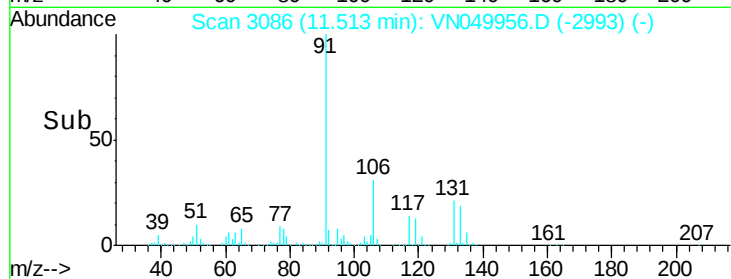
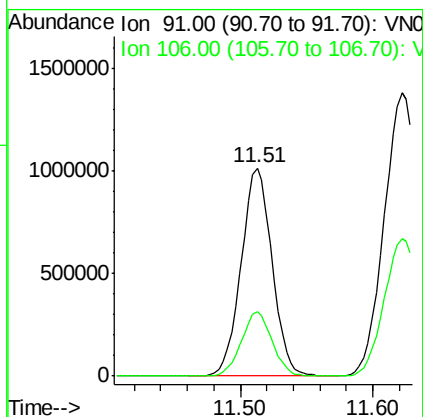
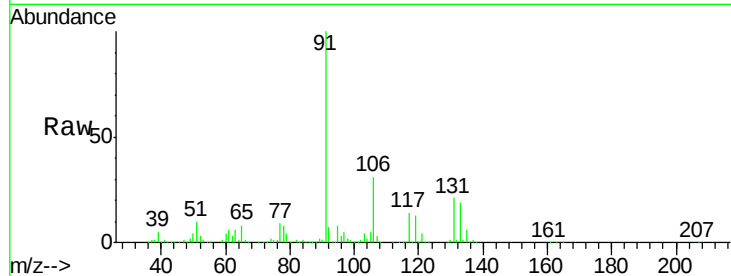




#67
Ethyl Benzene
Concen: 50.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

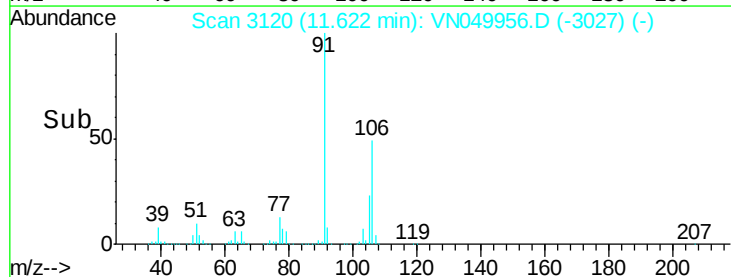
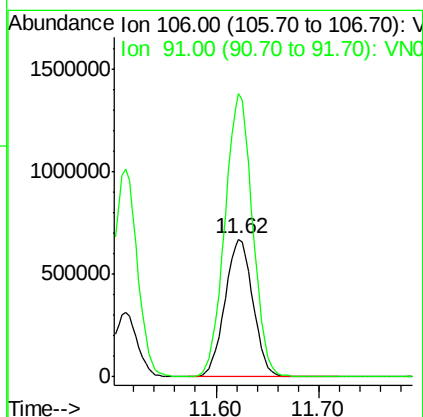
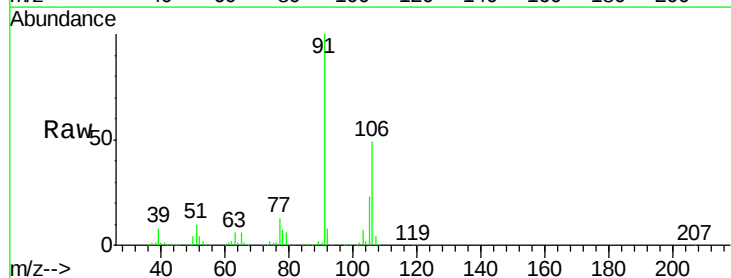
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

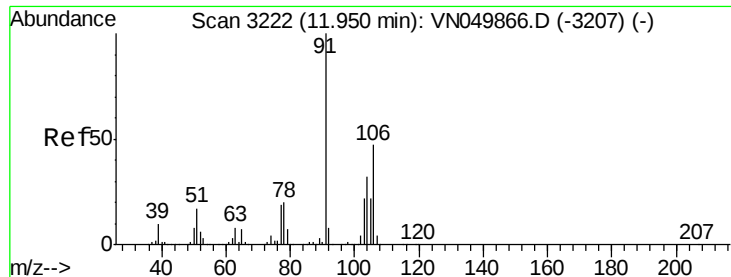
Tot Ion: 91 Resp: 1645362
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 103.26 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 106 Resp: 1269872
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2

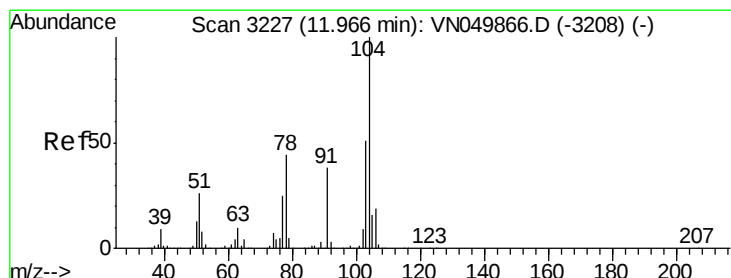
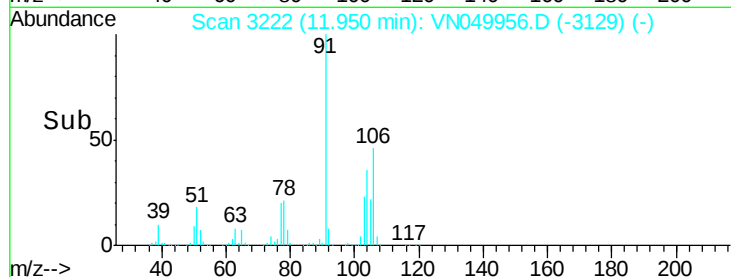
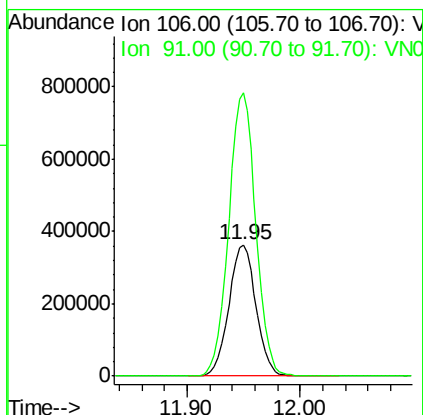
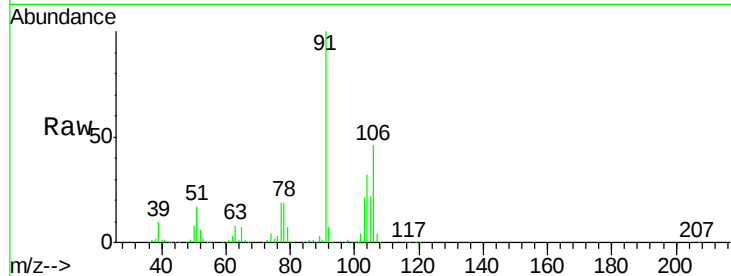




#69
o-Xylene
Concen: 51.16 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

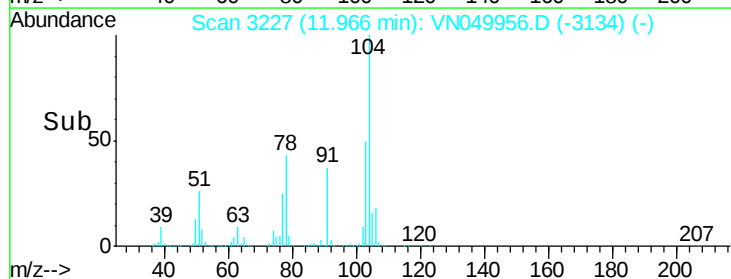
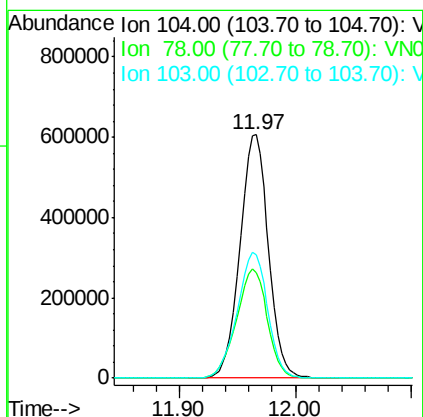
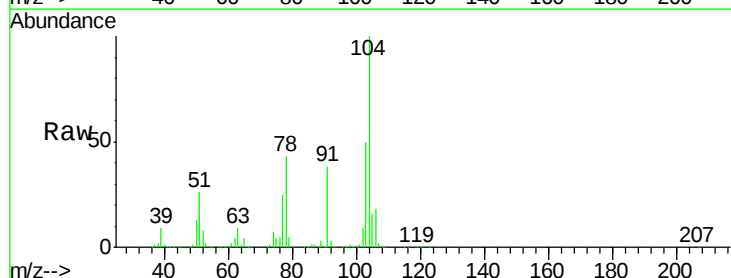
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

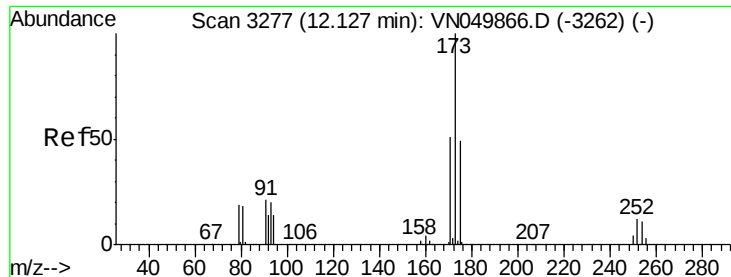
Tot Ion:106 Resp: 604325
Ion Ratio Lower Upper
106 100
91 214.9 108.7 326.1



#70
Styrene
Concen: 53.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion:104 Resp: 1032076
Ion Ratio Lower Upper
104 100
78 48.6 39.2 58.8
103 55.5 44.6 67.0

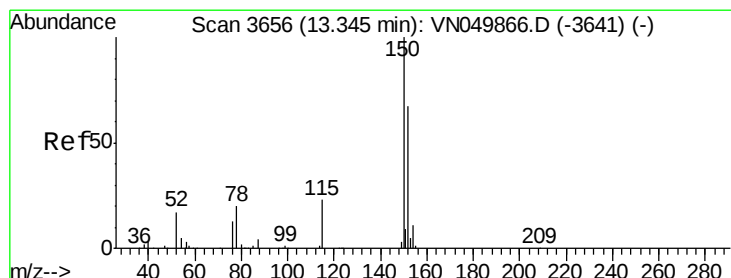
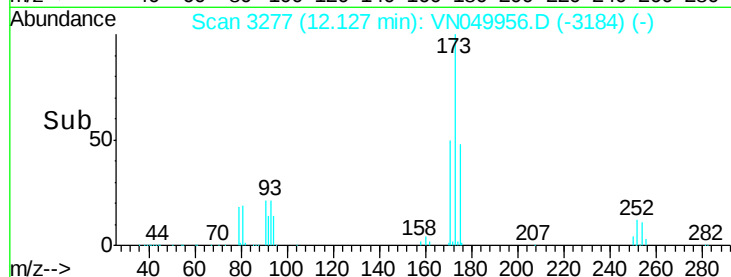
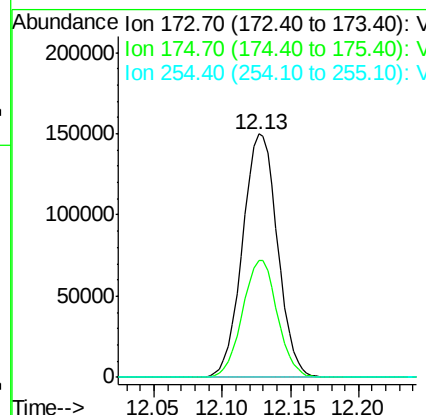
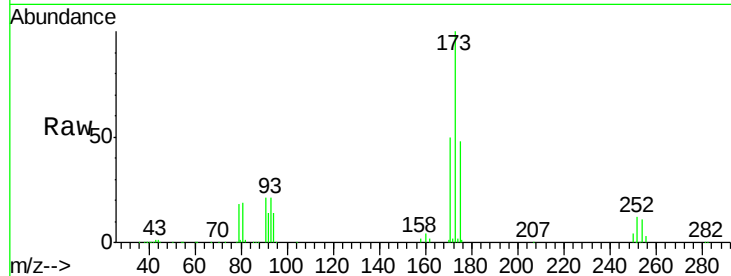




#71
Bromoform
Concen: 48.05 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

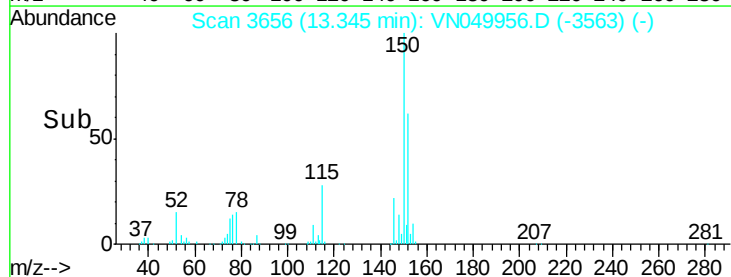
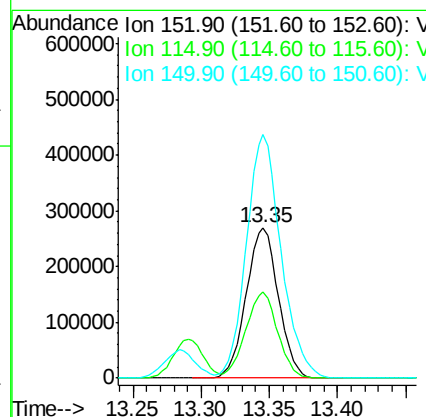
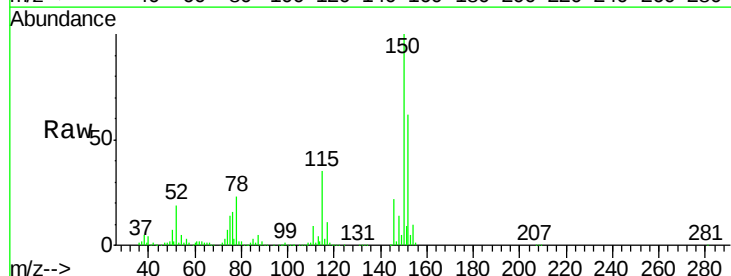
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

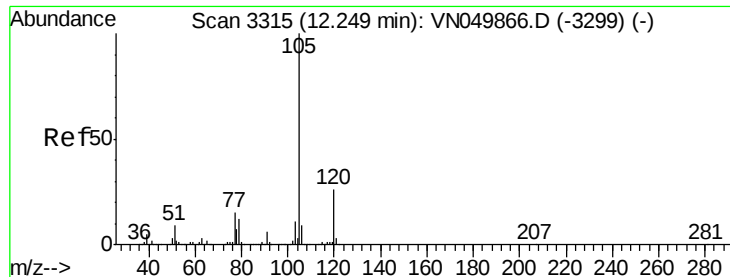
Tot Ion:173 Resp: 266621
Ion Ratio Lower Upper
173 100
175 48.0 24.6 73.8
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion:152 Resp: 441263
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.2
150 174.5 0.0 347.6





#73

Isopropylbenzene

Concen: 49.25 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

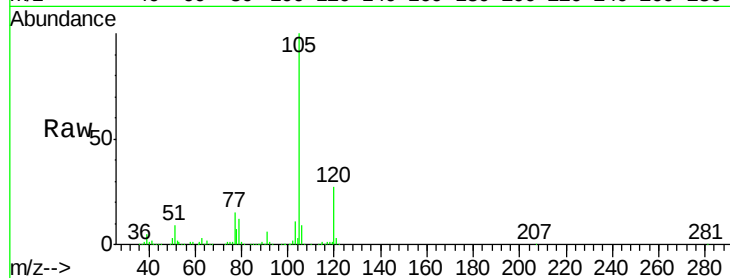
VSTDCCC050

Tot Ion:105 Resp: 1650854

Ion Ratio Lower Upper

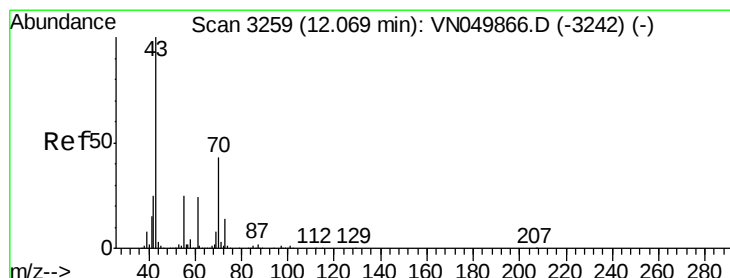
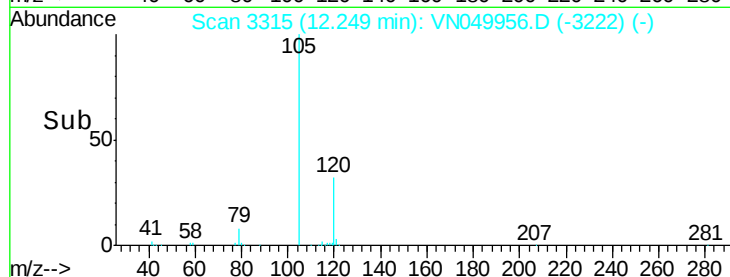
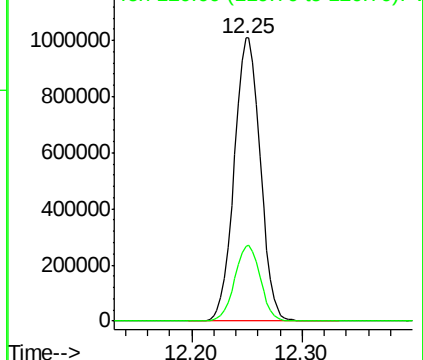
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.47 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion: 43 Resp: 474073

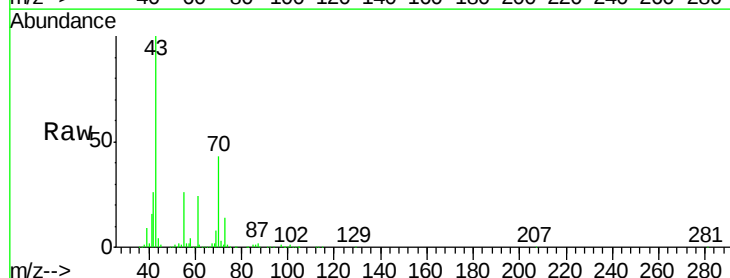
Ion Ratio Lower Upper

43 100

70 43.5 34.8 52.2

55 26.5 20.9 31.3

61 24.5 19.9 29.9

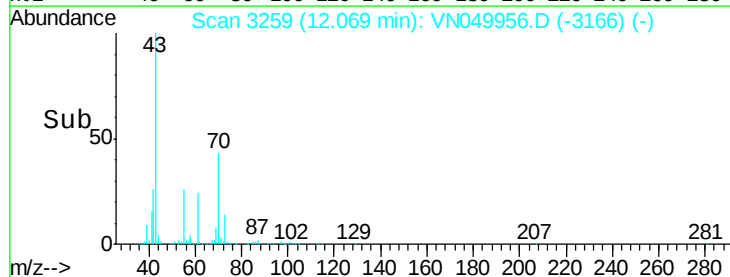
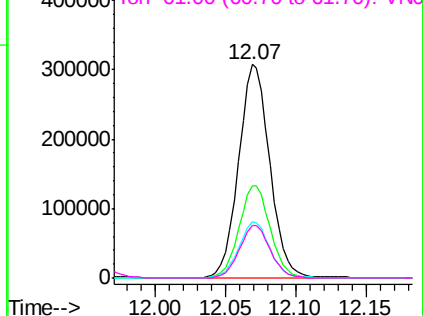


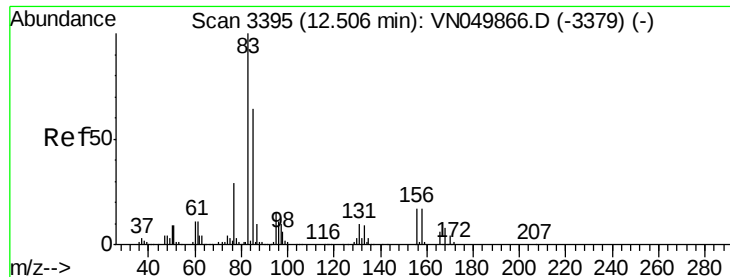
Abundance Ion 43.00 (42.70 to 43.70): V

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: 42.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

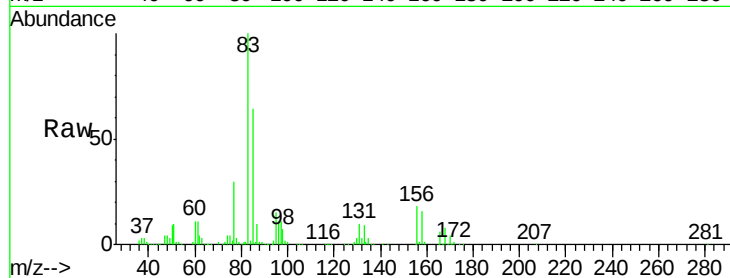
Tot Ion: 83 Resp: 427912

Ion Ratio Lower Upper

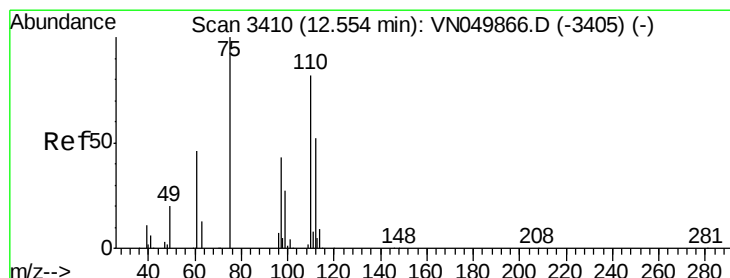
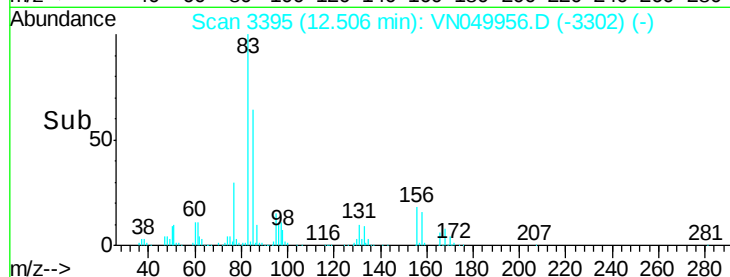
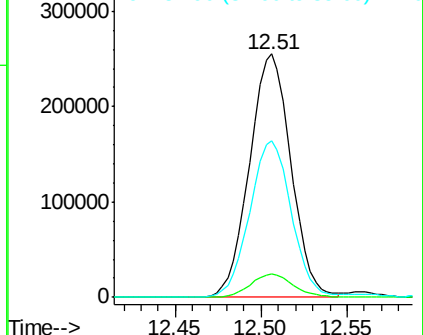
83 100

131 10.1 5.2 15.6

85 64.3 32.5 97.4



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: 63.90 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049956.D

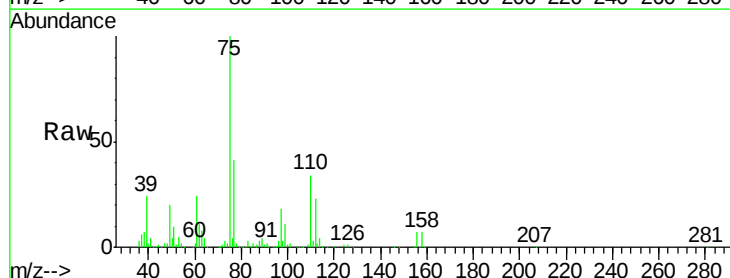
Acq: 20 Jul 2018 12:15

Tgt Ion: 75 Resp: 528903

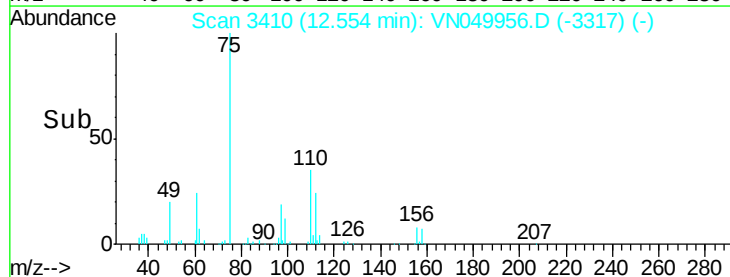
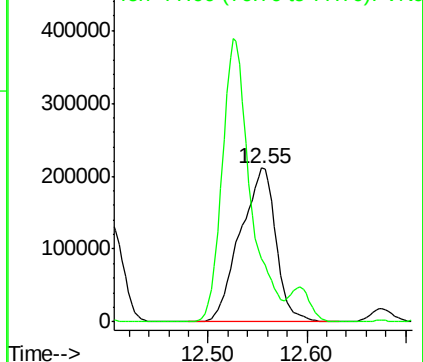
Ion Ratio Lower Upper

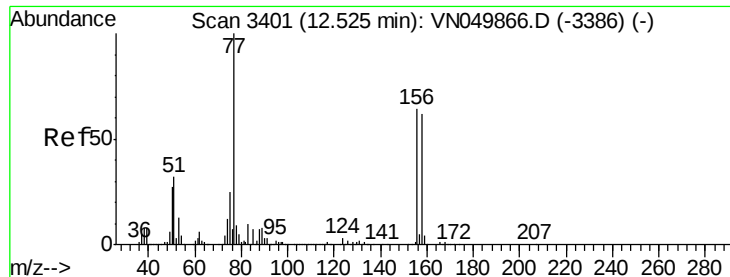
75 100

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: 46.01 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

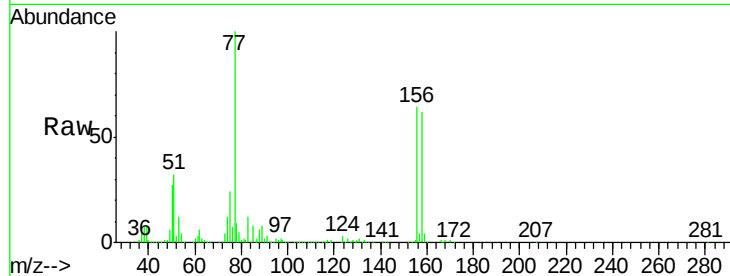
Tot Ion:156 Resp: 425879

Ion Ratio Lower Upper

156 100

77 183.7 90.2 270.6

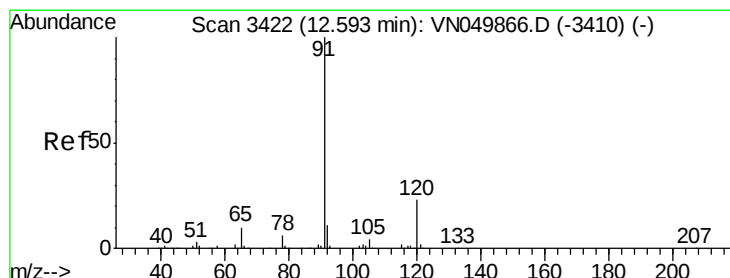
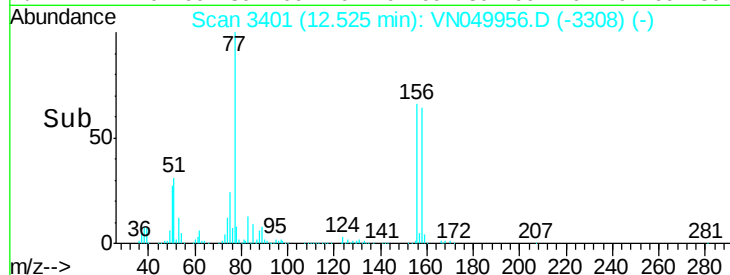
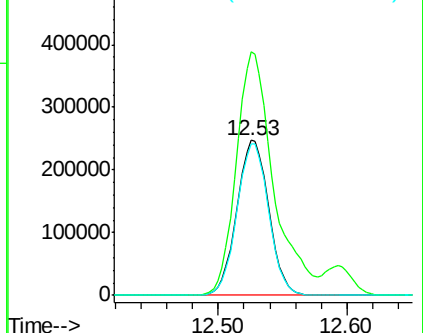
158 97.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.65 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049956.D

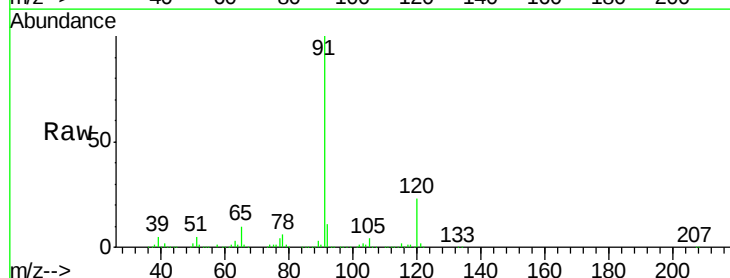
Acq: 20 Jul 2018 12:15

Tgt Ion: 91 Resp: 1930271

Ion Ratio Lower Upper

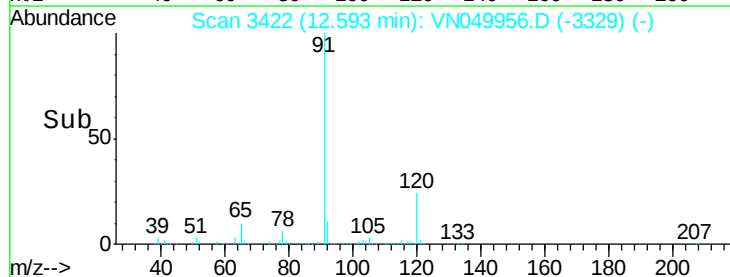
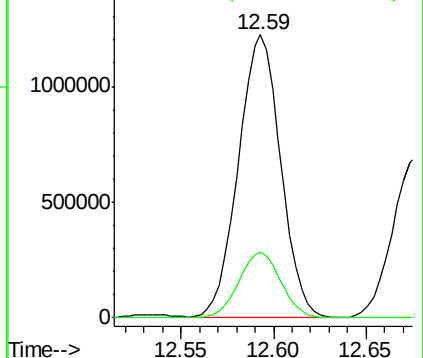
91 100

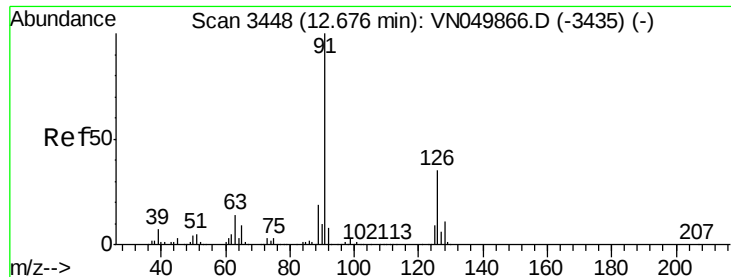
120 23.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.58 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampled :

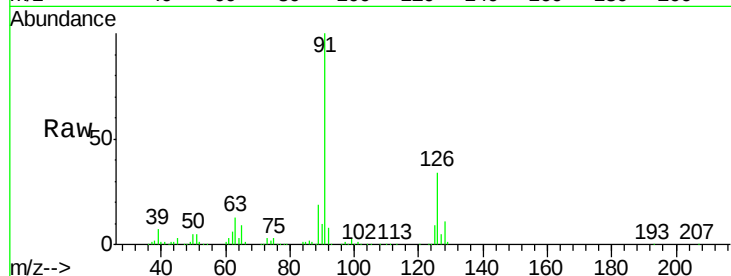
VSTDCCC050

Tot Ion: 91 Resp: 1136719

Ion Ratio Lower Upper

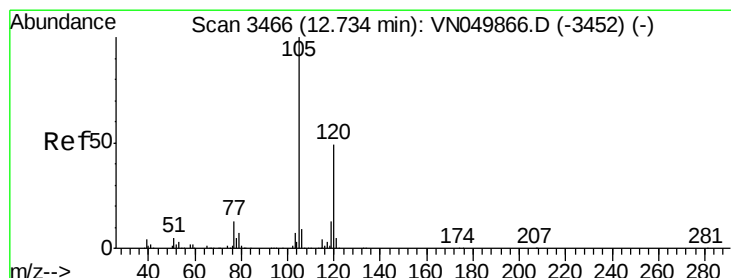
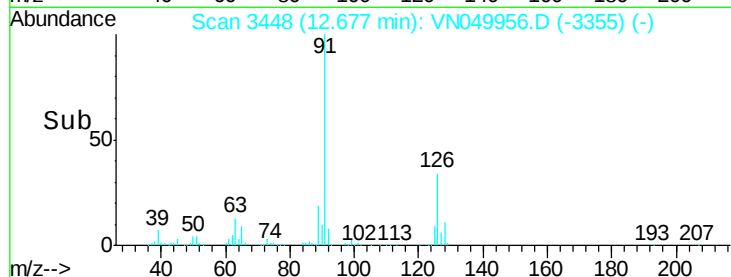
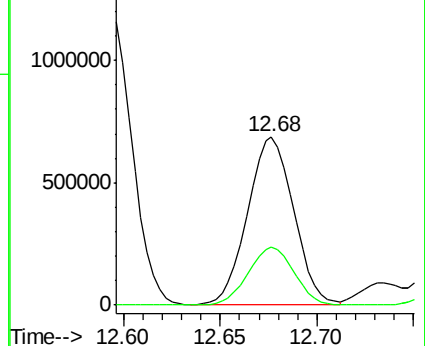
91 100

126 34.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.36 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049956.D

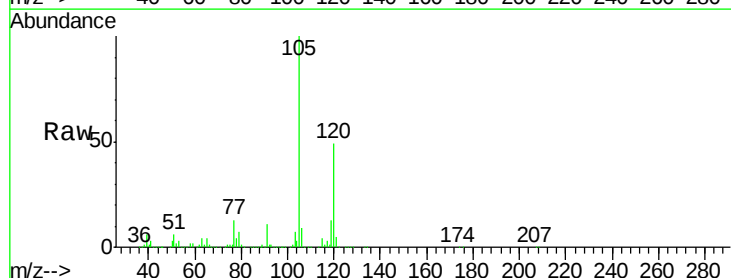
Acq: 20 Jul 2018 12:15

Tgt Ion: 105 Resp: 1379723

Ion Ratio Lower Upper

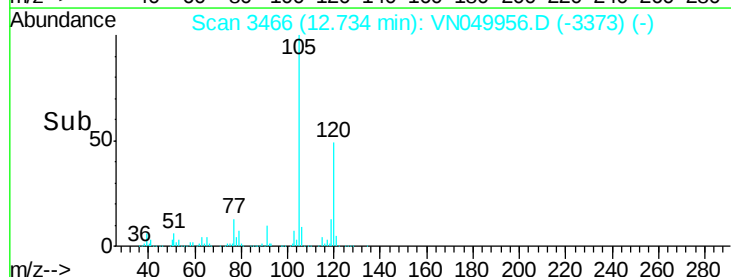
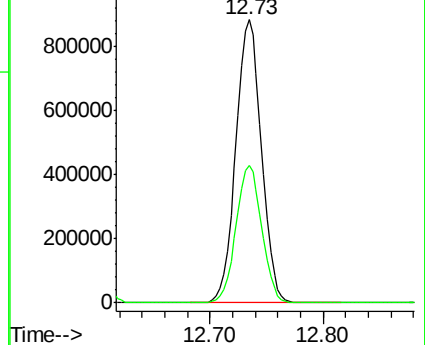
105 100

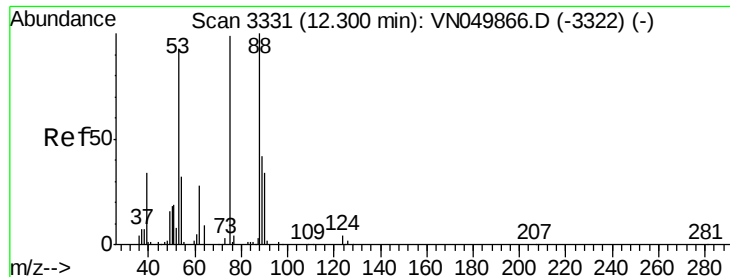
120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

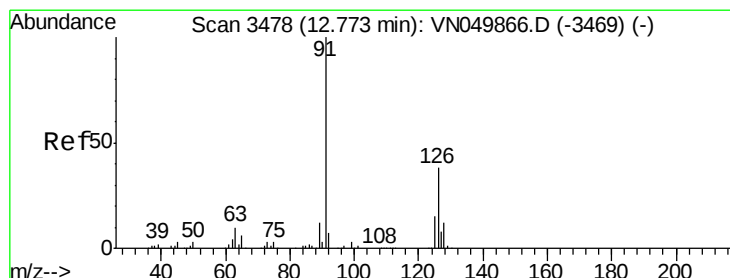
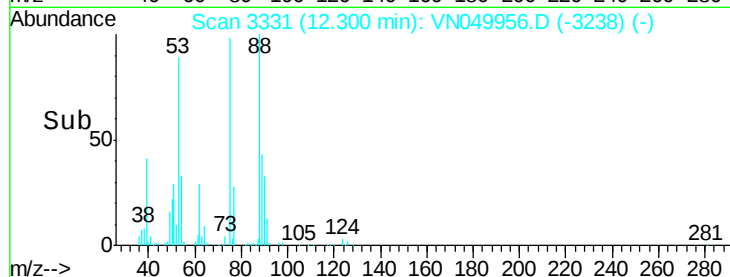
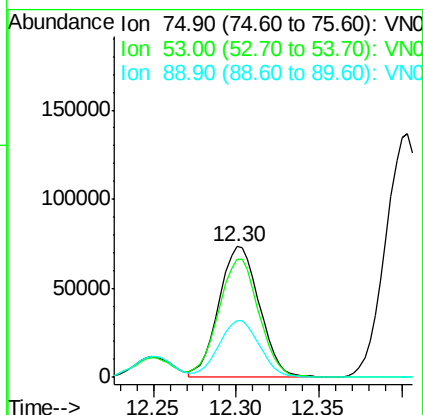
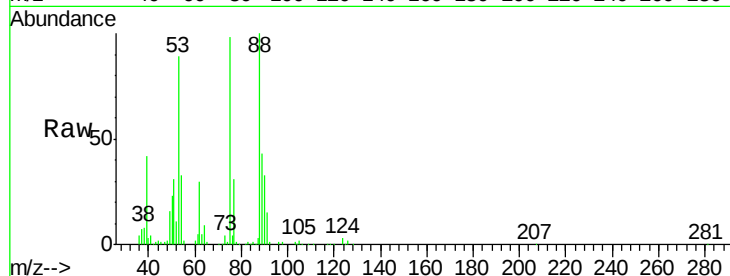
Tot Ion: 75 Resp: 123292

Ion Ratio Lower Upper

75 100

53 91.3 73.9 110.9

89 44.6 35.9 53.9



#82

4-Chlorotoluene

Concen: 49.99 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049956.D

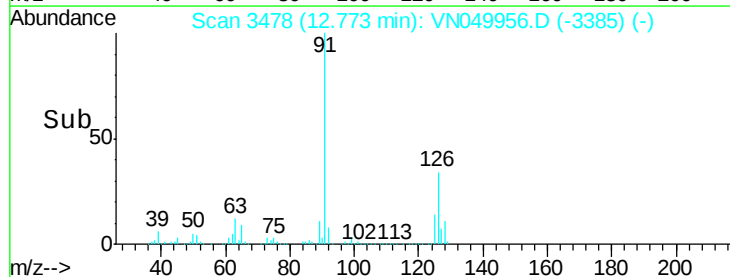
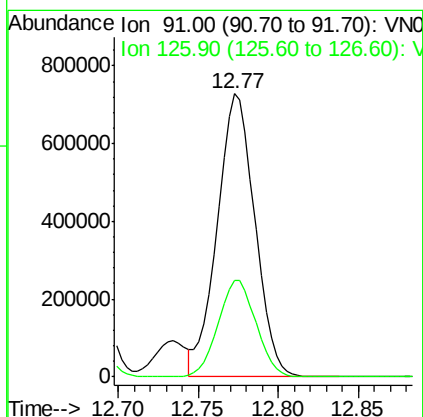
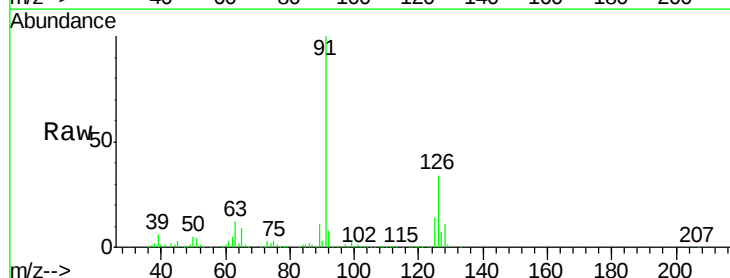
Acq: 20 Jul 2018 12:15

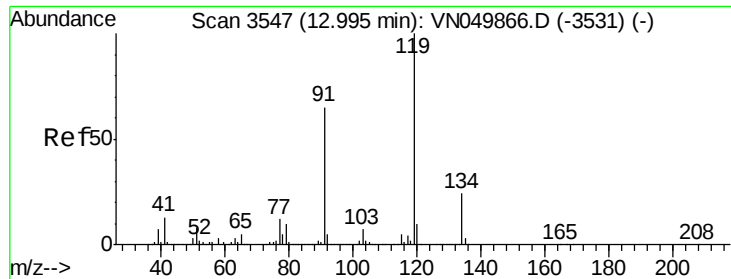
Tgt Ion: 91 Resp: 1173395

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6

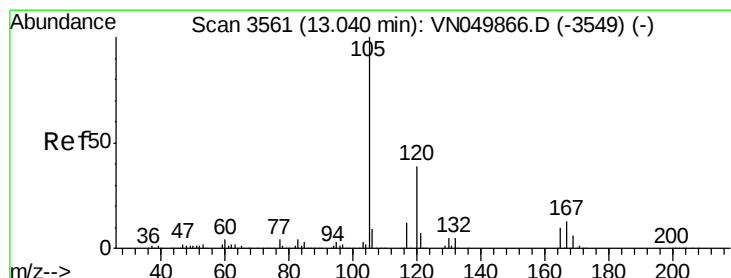
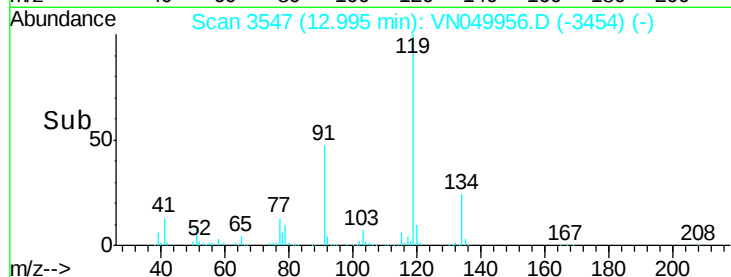
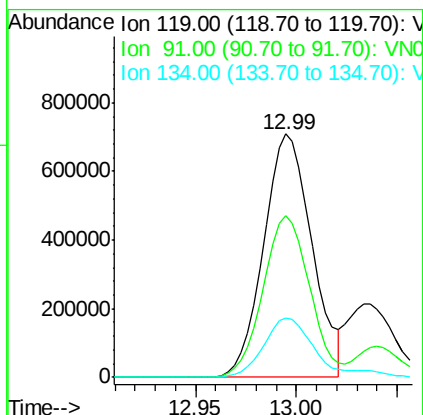
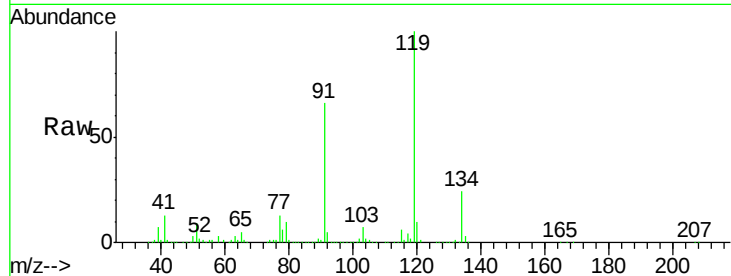




#83
 tert-Butylbenzene
 Concen: 49.97 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

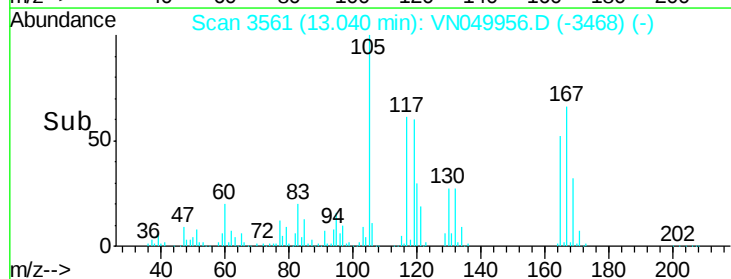
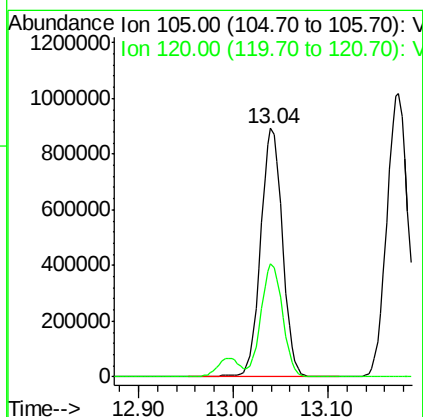
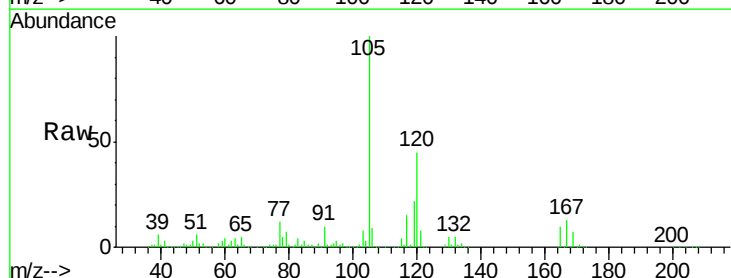
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

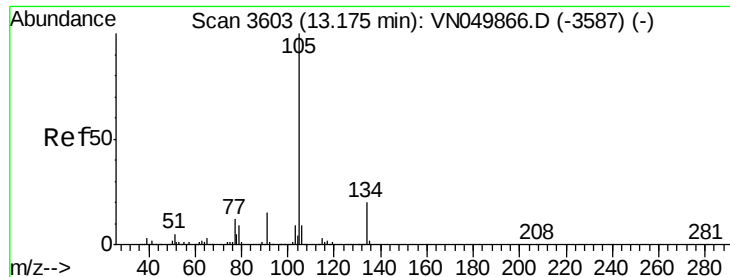
Tot Ion:119 Resp: 1178989
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.0 96.2
 134 26.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.25 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion:105 Resp: 1421967
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 51.63 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

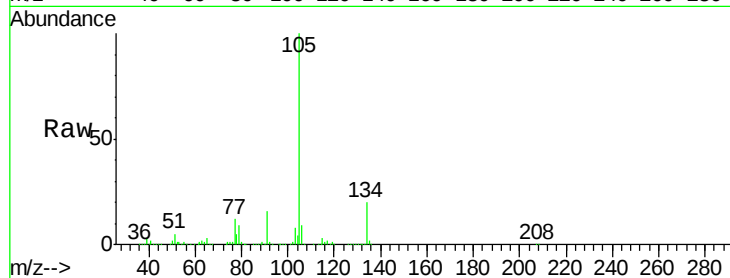
VSTDCCC050

Tot Ion:105 Resp: 1609659

Ion Ratio Lower Upper

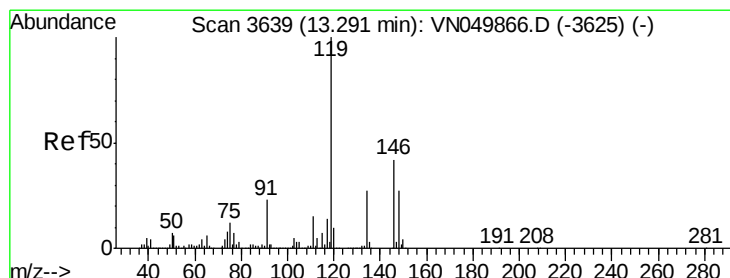
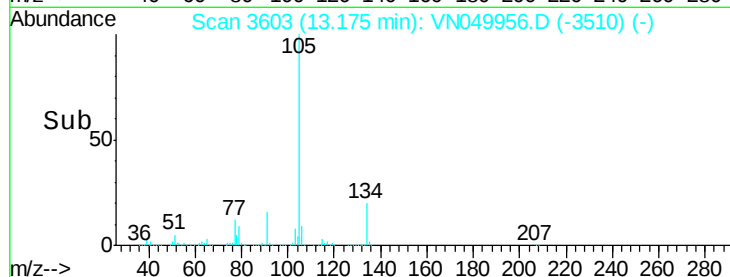
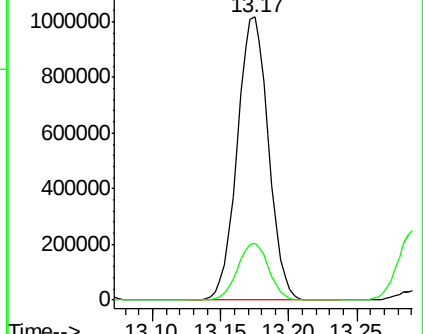
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.00 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

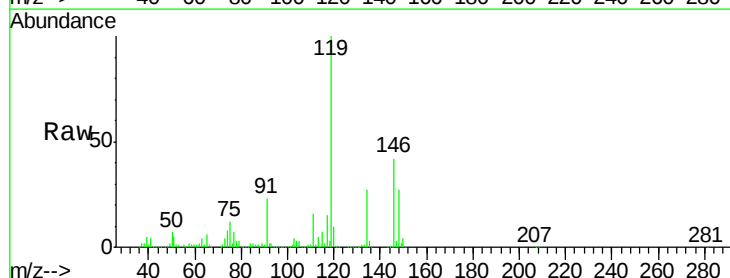
Tgt Ion:119 Resp: 1408742

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

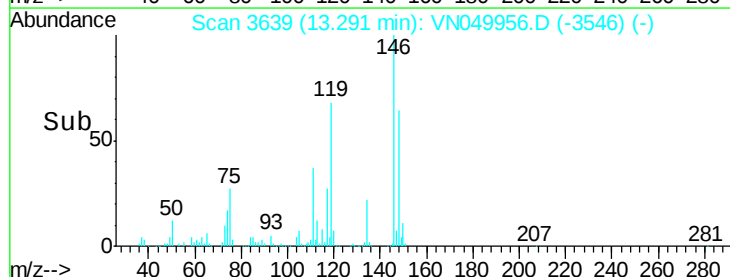
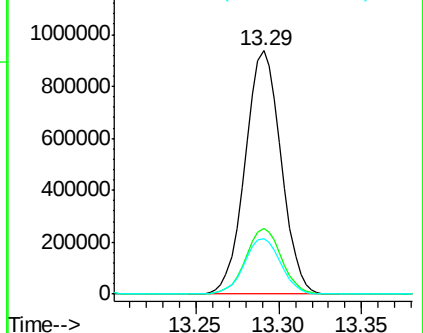
91 23.1 11.4 34.1

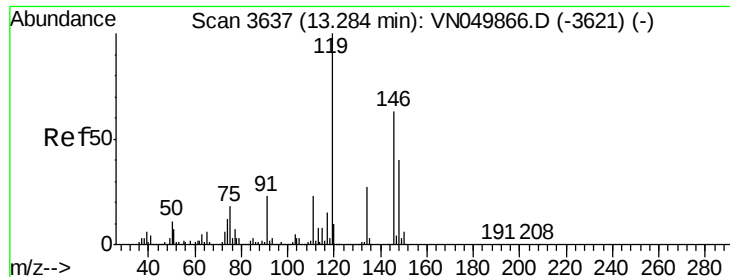


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

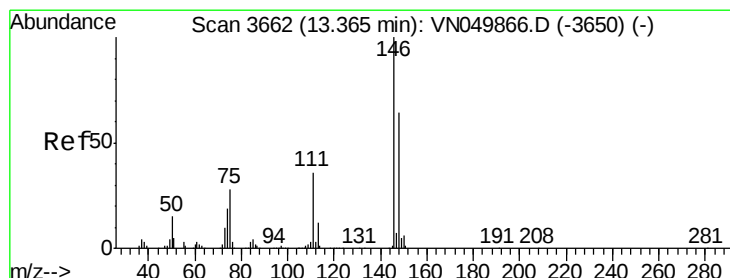
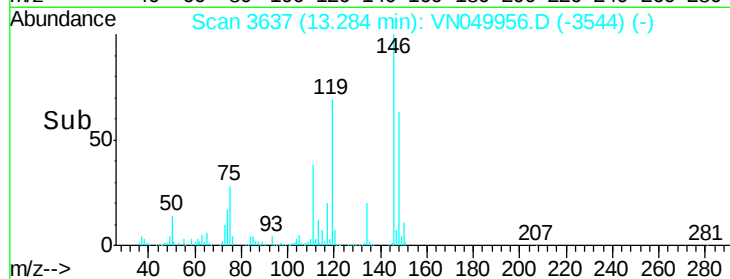
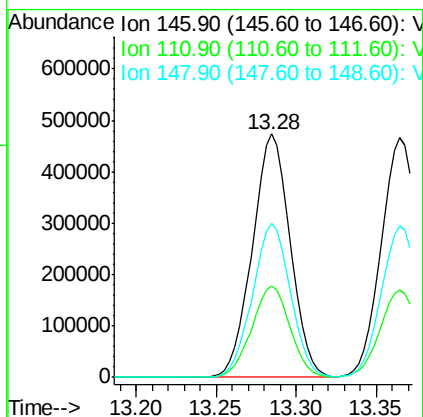
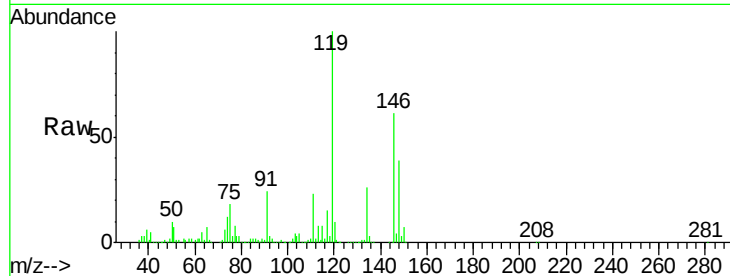




#87
 1,3-Dichlorobenzene
 Concen: 47.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

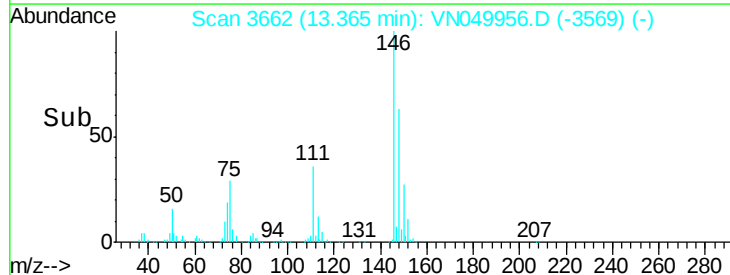
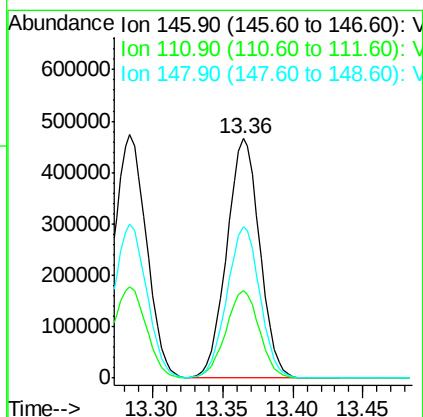
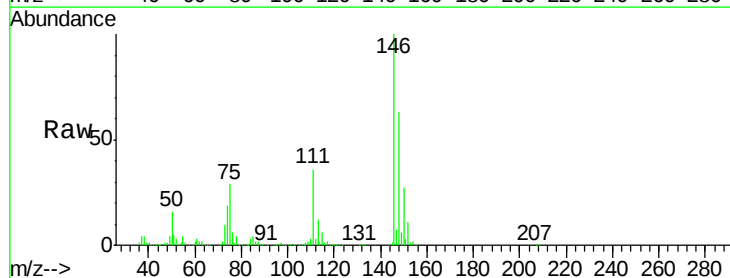
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

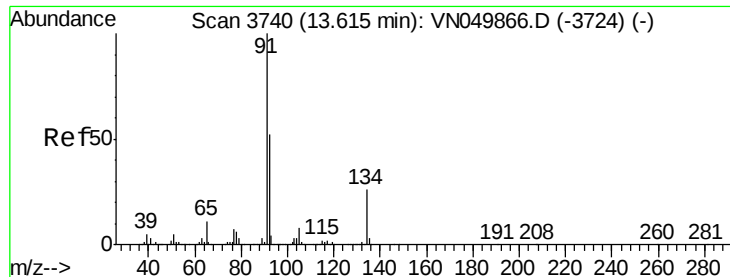
Tot Ion:146 Resp: 772874
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.0 57.0
 148 63.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 47.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion:146 Resp: 759847
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.5
 148 63.6 32.1 96.3

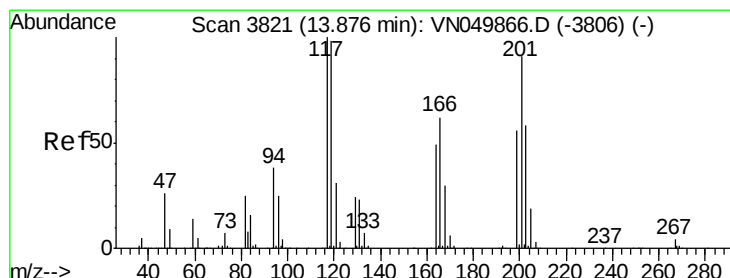
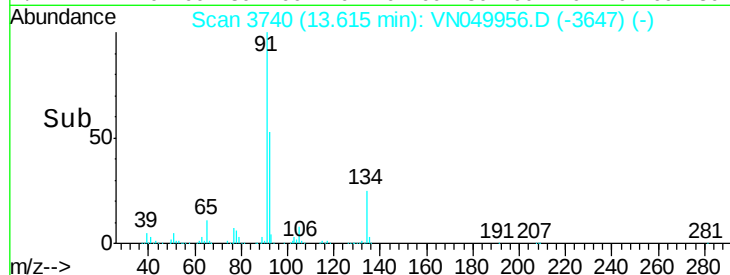
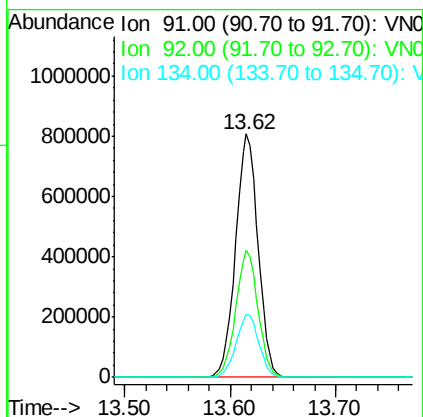
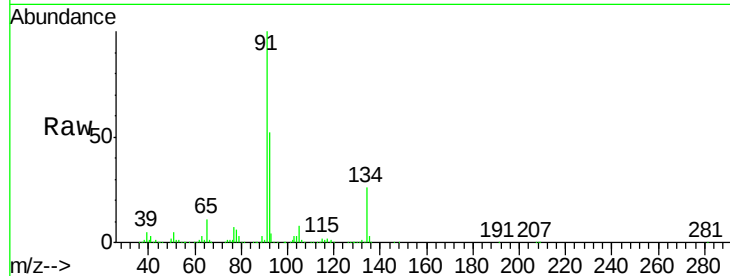




#89
n-Butylbenzene
Concen: 53.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

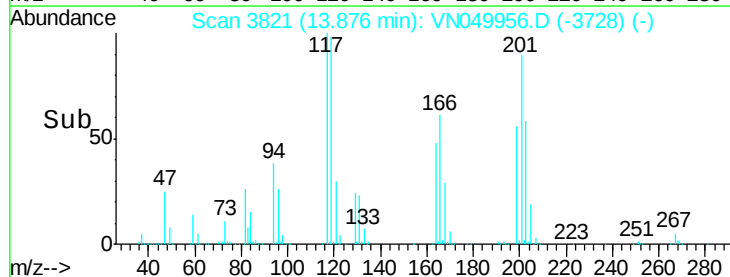
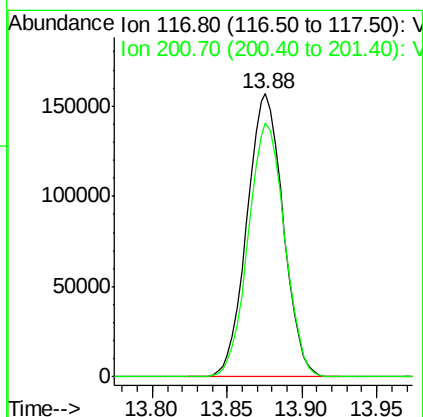
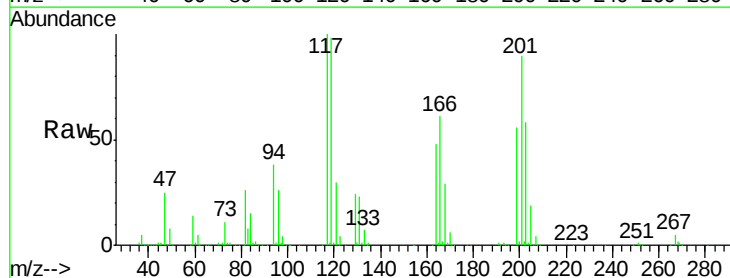
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

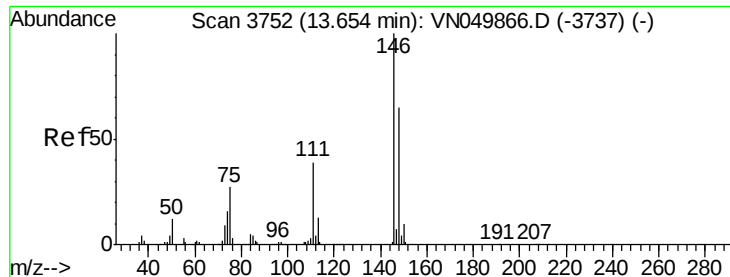
Tot Ion: 91 Resp: 1184551
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.3
134 26.1 13.0 38.9



#90
Hexachloroethane
Concen: 44.32 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 117 Resp: 264415
Ion Ratio Lower Upper
117 100
201 89.8 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 47.46 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

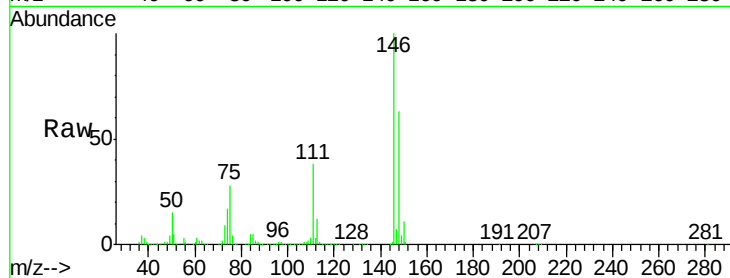
Tot Ion:146 Resp: 752566

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.1

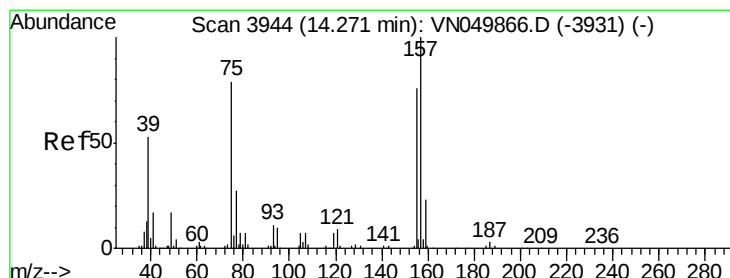
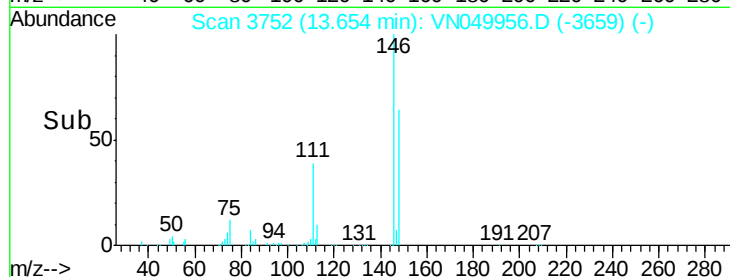
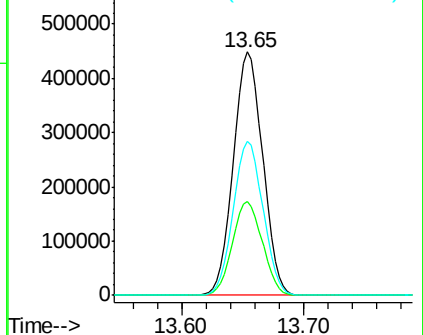
148 64.1 32.0 96.2



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: 42.05 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

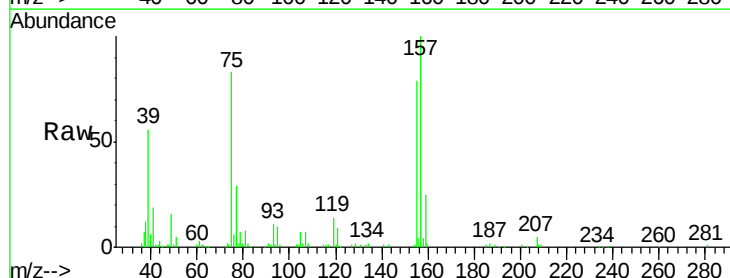
Tgt Ion: 75 Resp: 65239

Ion Ratio Lower Upper

75 100

155 90.7 45.7 137.1

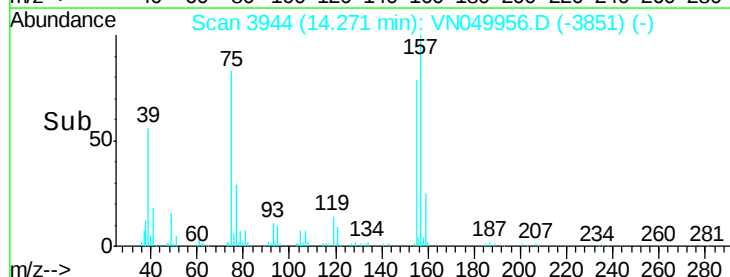
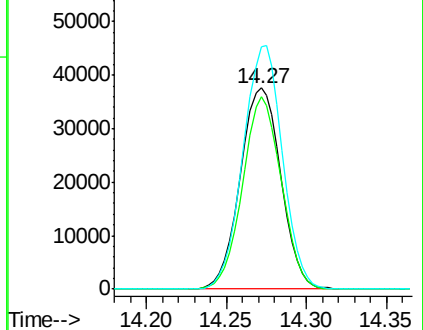
157 117.3 56.9 170.7

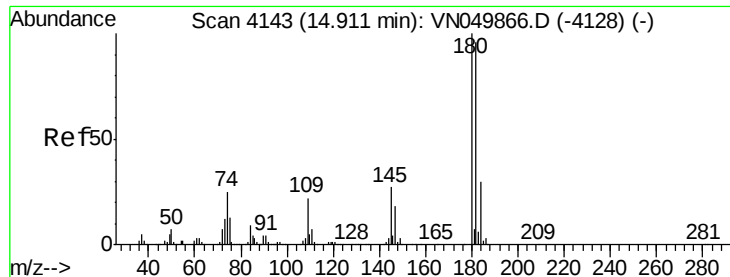


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

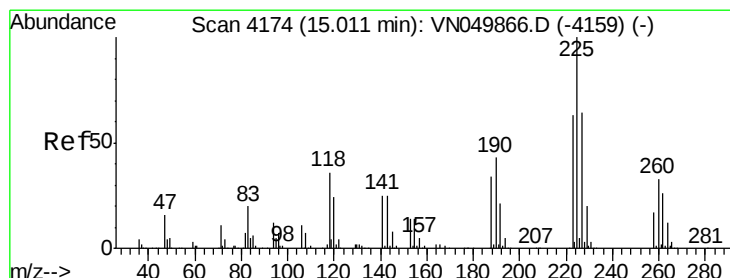
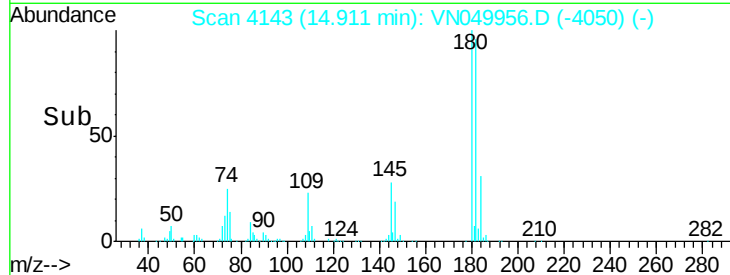
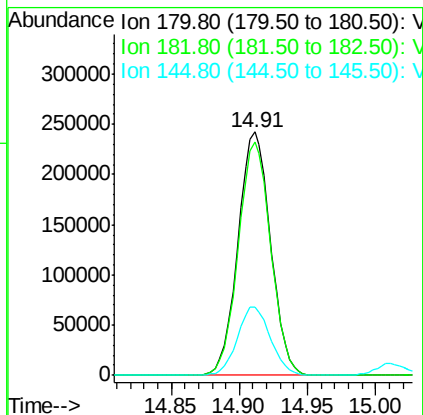
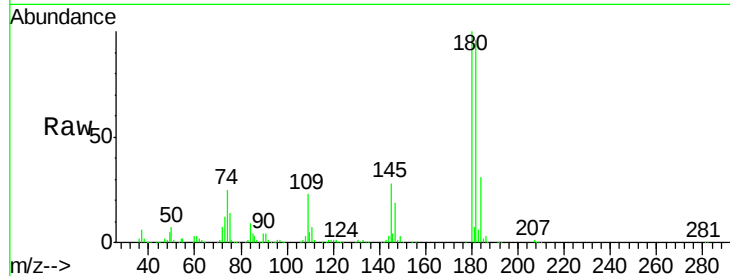




#93
 1,2,4-Trichlorobenzene
 Concen: 46.02 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

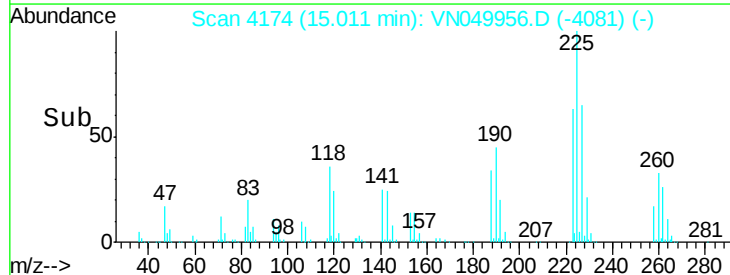
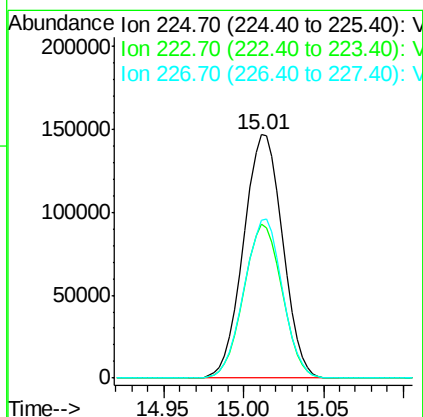
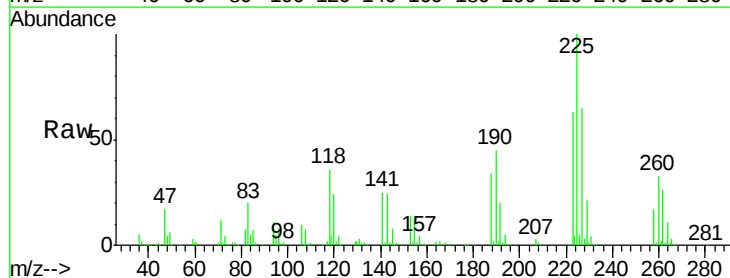
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

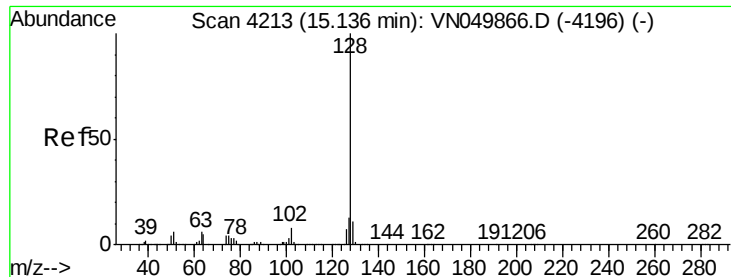
Tot Ion:180 Resp: 399789
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.3 141.9
 145 28.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 47.18 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion:225 Resp: 245173
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.9 92.7
 227 64.1 31.8 95.4





#95

Naphthalene

Concen: 41.88 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

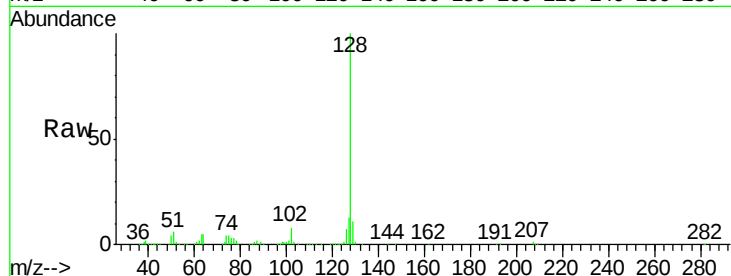
Tot Ion:128 Resp: 858503

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

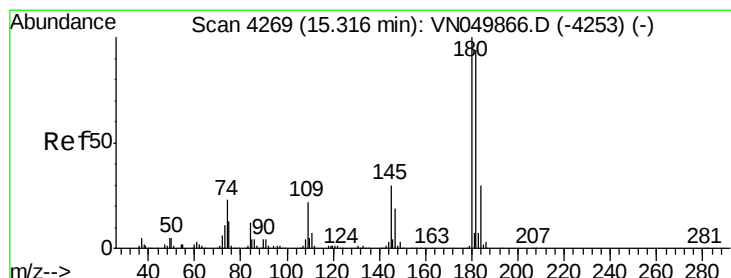
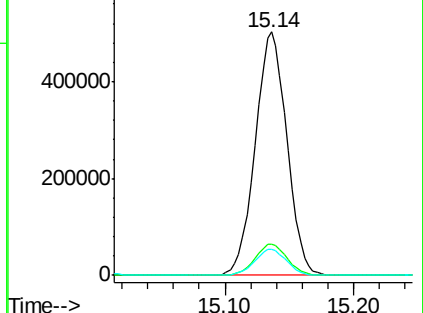
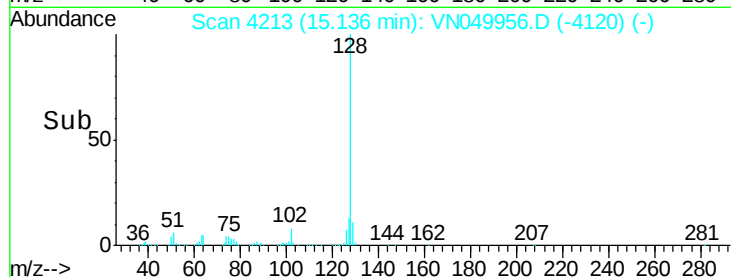
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

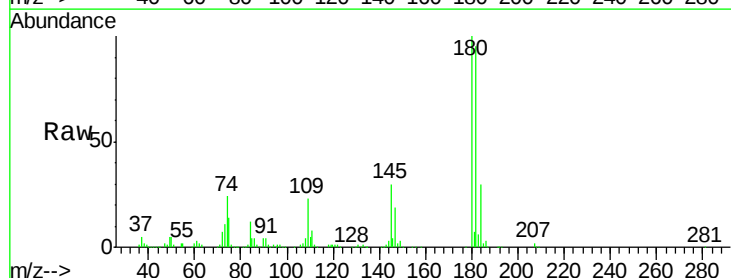
Tgt Ion:180 Resp: 398710

Ion Ratio Lower Upper

180 100

182 94.7 47.4 142.2

145 29.8 15.2 45.6



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

