

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049982.D
 Acq On : 21 Jul 2018 1:21
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 21 05:17:23 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	549104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	815100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	403222	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	7.59	113	351806	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.09	98	1273491	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	443800	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	220697	43.87	ug/l	98
3) Chloromethane	2.06	50	302840	40.41	ug/l	98
4) Vinyl Chloride	2.18	62	323893	40.52	ug/l	100
5) Bromomethane	2.56	94	285258	64.37	ug/l	99
6) Chloroethane	2.70	64	221047	42.34	ug/l	99
7) Trichlorofluoromethane	3.01	101	467093	42.50	ug/l	99
8) Diethyl Ether	3.41	74	186634	48.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	299471	44.20	ug/l	99
10) Methyl Iodide	3.95	142	392620	43.19	ug/l	98
11) Tert butyl alcohol	4.81	59	119076	221.47	ug/l	100
12) 1,1-Dichloroethene	3.73	96	255722	42.96	ug/l	98
13) Acrolein	3.61	56	56300	162.50	ug/l	99
14) Allyl chloride	4.32	41	429317	45.75	ug/l	99
15) Acrylonitrile	4.99	53	594211	251.29	ug/l	97
16) Acetone	3.82	43	429127	219.61	ug/l	97
17) Carbon Disulfide	4.05	76	659562	37.03	ug/l	100
18) Methyl Acetate	4.33	43	341610	55.73	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	878961	53.66	ug/l	99
20) Methylene Chloride	4.55	84	339415	45.68	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	289759	45.84	ug/l	96
22) Diisopropyl ether	5.96	45	1056376	55.17	ug/l	98
23) Vinyl Acetate	5.90	43	3576226	266.16	ug/l	100
24) 1,1-Dichloroethane	5.85	63	593924	48.31	ug/l	99
25) 2-Butanone	6.84	43	681373	243.99	ug/l	98
26) 2,2-Dichloropropane	6.83	77	354165	37.02	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	351163	50.63	ug/l	97
28) Bromochloromethane	7.19	49	310355	55.90	ug/l	99
29) Tetrahydrofuran	7.22	42	453168	257.59	ug/l	100
30) Chloroform	7.37	83	631696	50.05	ug/l	100
31) Cyclohexane	7.65	56	437964	43.77	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	502640	46.08	ug/l	99
36) 1,1-Dichloropropene	7.79	75	422290	46.59	ug/l	99
37) Ethyl Acetate	6.93	43	306562	49.26	ug/l	99
38) Carbon Tetrachloride	7.77	117	446548	46.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	422206	45.10	ug/l	98
40) Benzene	8.04	78	1331988	48.22	ug/l	100
41) Methacrylonitrile	7.18	41	155084	49.71	ug/l	89
42) 1,2-Dichloroethane	8.13	62	464301	50.75	ug/l	99
43) Isopropyl Acetate	8.17	43	584521	53.76	ug/l	99
44) Trichloroethene	8.84	130	343709	47.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	378372	50.78	ug/l	99
46) Dibromomethane	9.21	93	230666	49.91	ug/l	99
47) Bromodichloromethane	9.40	83	491311	51.41	ug/l	98
48) Methyl methacrylate	9.20	41	279367	51.22	ug/l	99
49) 1,4-Dioxane	9.20	88	75358	973.99	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1611164	265.08	ug/l	100
52) Toluene	10.16	92	836011	50.74	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	475459	50.31	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	532333	50.97	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	339107	49.82	ug/l	99
56) Ethyl methacrylate	10.43	69	431208	47.30	ug/l	99
57) 1,3-Dichloropropane	10.71	76	556135	51.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1053649	245.35	ug/l	99
59) 2-Hexanone	10.75	43	1070835	262.30	ug/l	99
60) Dibromochloromethane	10.90	129	384727	51.54	ug/l	99
61) 1,2-Dibromoethane	11.01	107	328059	51.58	ug/l	99
64) Tetrachloroethene	10.63	164	336197	49.36	ug/l	100
65) Chlorobenzene	11.44	112	932011	48.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	365816	49.60	ug/l	99
67) Ethyl Benzene	11.51	91	1561079	50.53	ug/l	99
68) m/p-Xylenes	11.62	106	1211818	103.63	ug/l	99
69) o-Xylene	11.95	106	585046	52.09	ug/l	97
70) Styrene	11.97	104	1000246	54.98	ug/l	100
71) Bromoform	12.13	173	272141	51.58	ug/l	98
73) Isopropylbenzene	12.25	105	1554514	49.79	ug/l	100
74) N-amyl acetate	12.07	43	488499	51.40	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432955	46.28	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	526461	68.28	ug/l #	100
77) Bromobenzene	12.53	156	420010	48.72	ug/l	98
78) n-propylbenzene	12.59	91	1808779	50.96	ug/l	100
79) 2-Chlorotoluene	12.68	91	1096325	50.30	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1297111	51.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113983	46.23	ug/l	100
82) 4-Chlorotoluene	12.78	91	1110142	50.77	ug/l	99
83) tert-Butylbenzene	12.99	119	1098122	49.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1349964	53.25	ug/l	99
85) sec-Butylbenzene	13.17	105	1500120	51.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1304070	52.67	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	732519	48.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	726106	48.21	ug/l	99
89) n-Butylbenzene	13.62	91	1063680	52.03	ug/l	100
90) Hexachloroethane	13.88	117	249211	44.85	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	730667	49.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67792	46.90	ug/l	99

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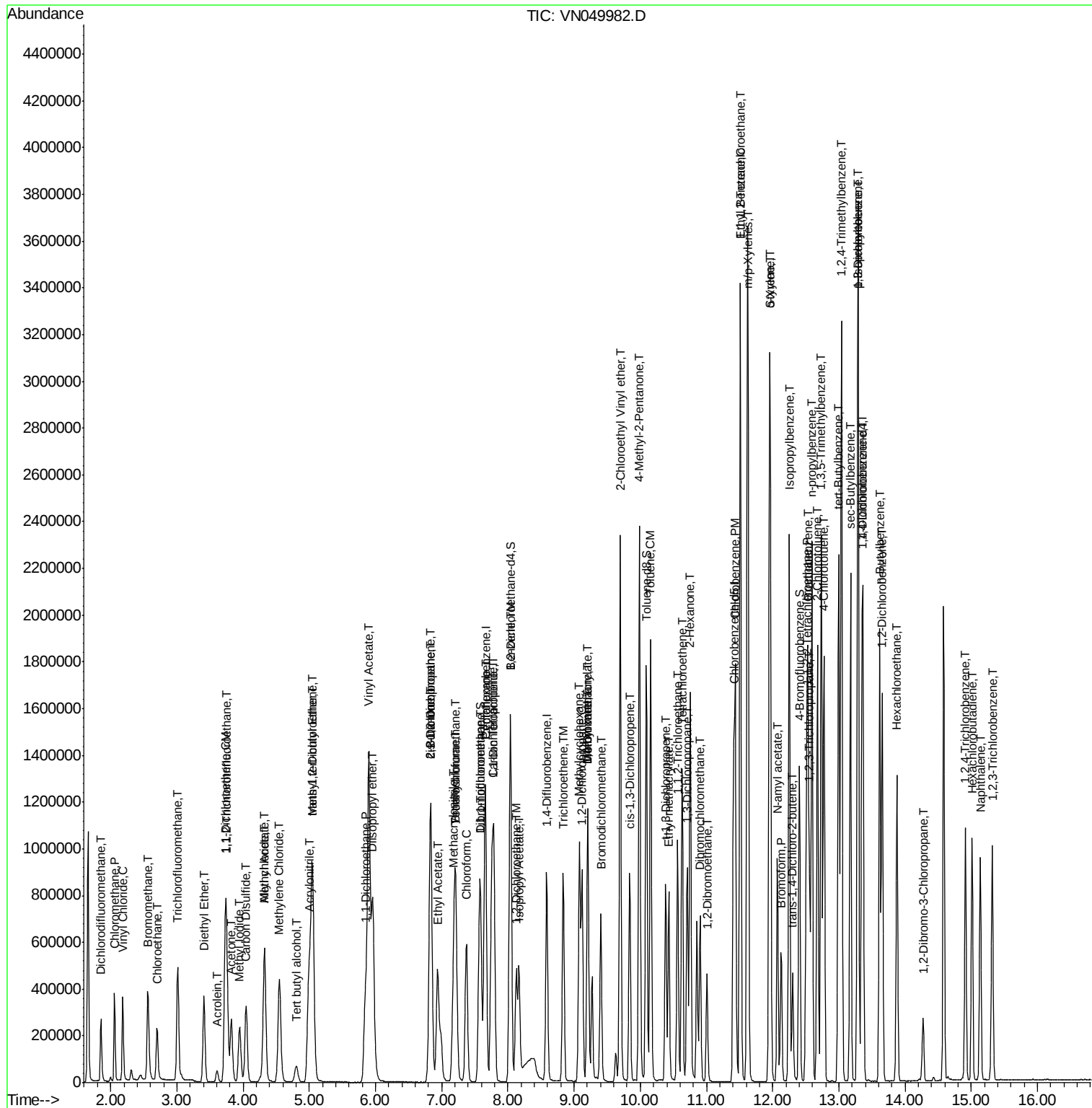
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	373586	46.16	ug/l	100
94) Hexachlorobutadiene	15.01	225	221005	45.66	ug/l	100
95) Naphthalene	15.14	128	820204	42.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	373174	52.67	ug/l	99

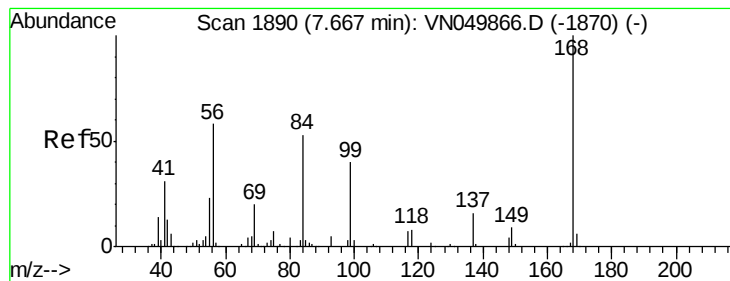
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

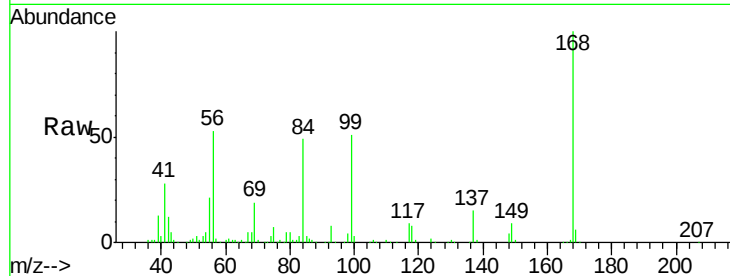
VSTDCCC050

Tot Ion:168 Resp: 549104

Ion Ratio Lower Upper

168 100

99 50.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

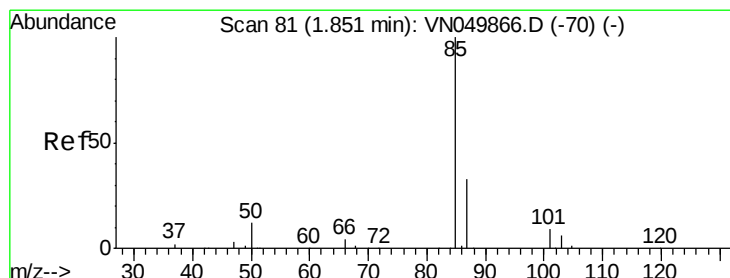
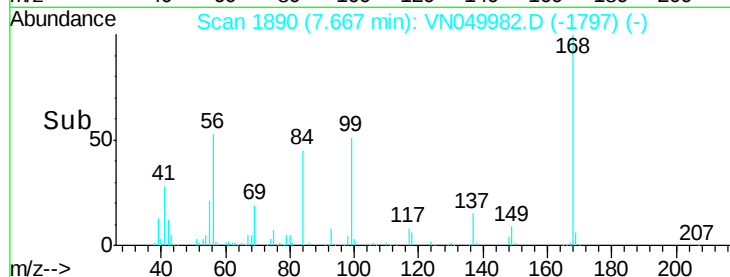
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.87 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049982.D

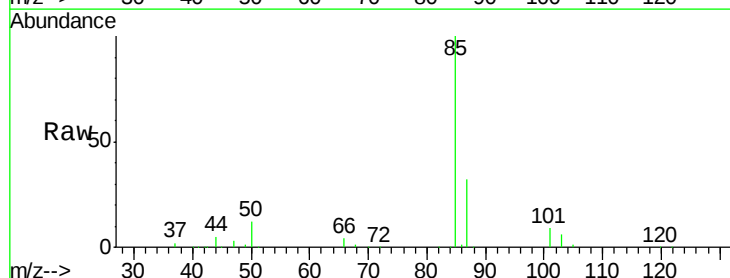
Acq: 21 Jul 2018 1:21

Tgt Ion: 85 Resp: 220697

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

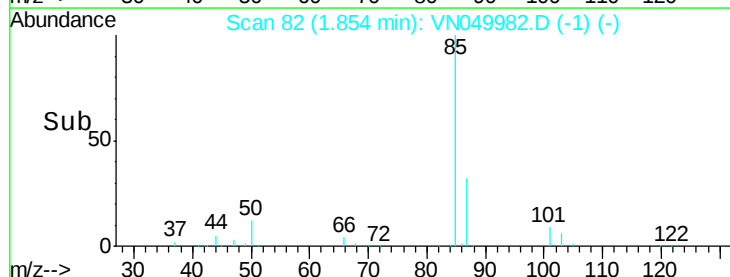
150000

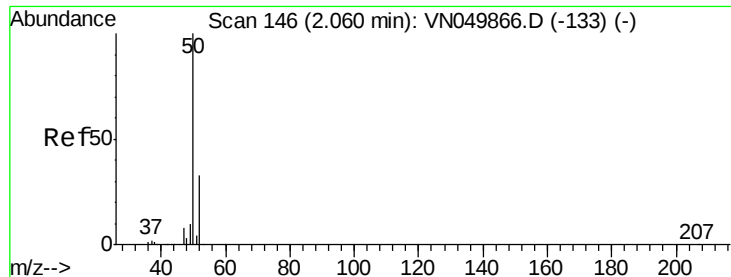
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.41 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

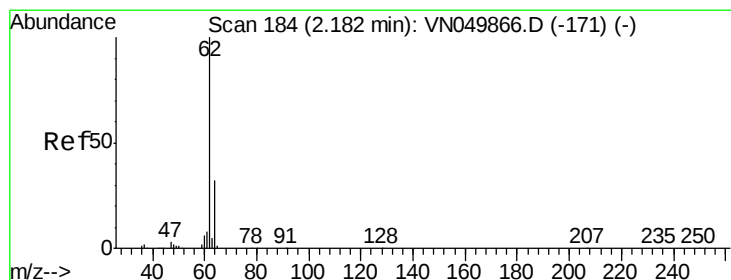
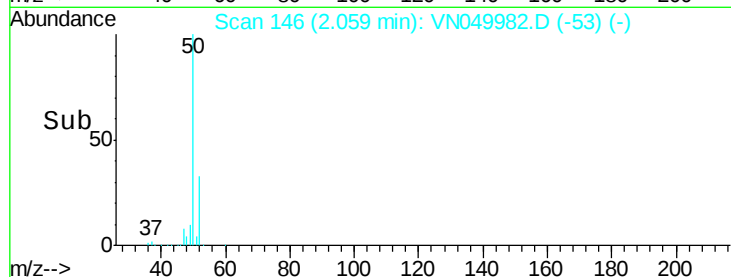
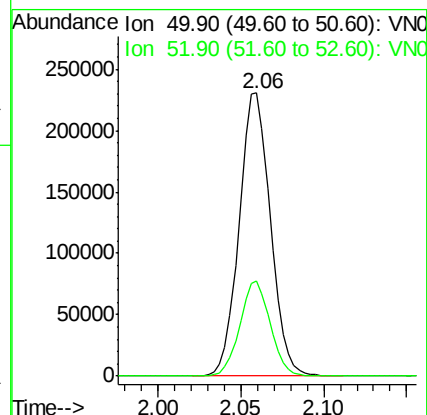
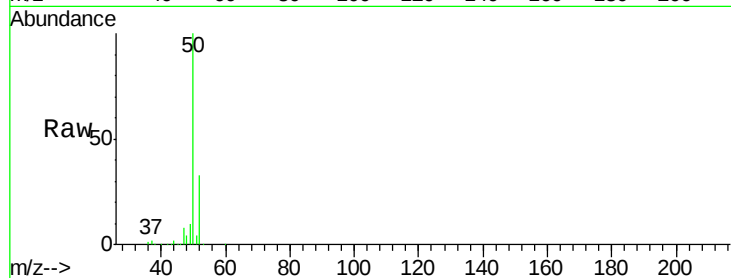
VSTDCCC050

Tot Ion: 50 Resp: 302840

Ion Ratio Lower Upper

50 100

52 33.5 26.1 39.1



#4

Vinyl Chloride

Concen: 40.52 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049982.D

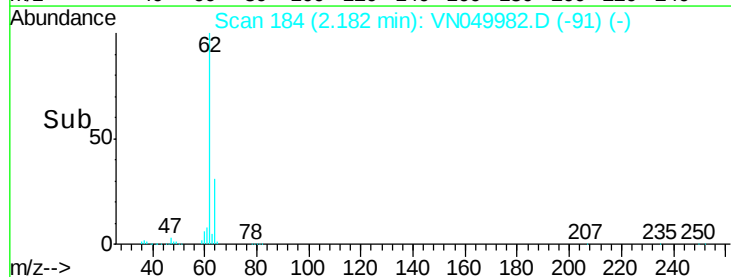
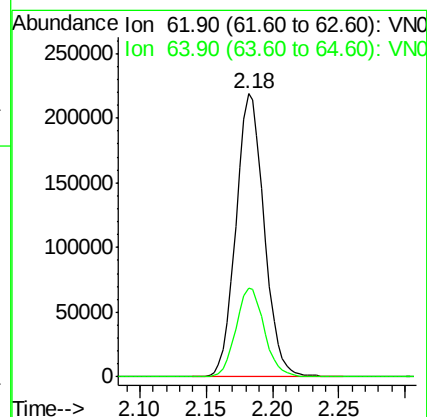
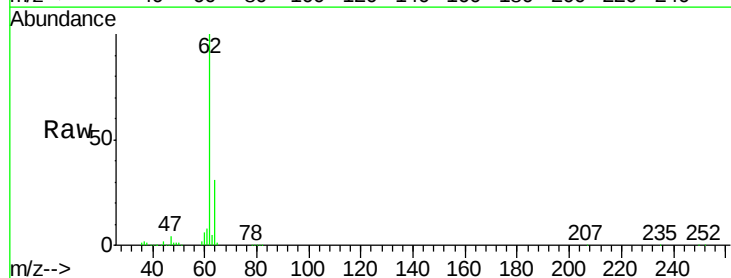
Acq: 21 Jul 2018 1:21

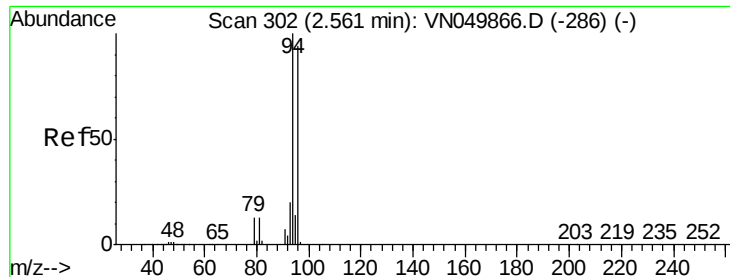
Tgt Ion: 62 Resp: 323893

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 64.37 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

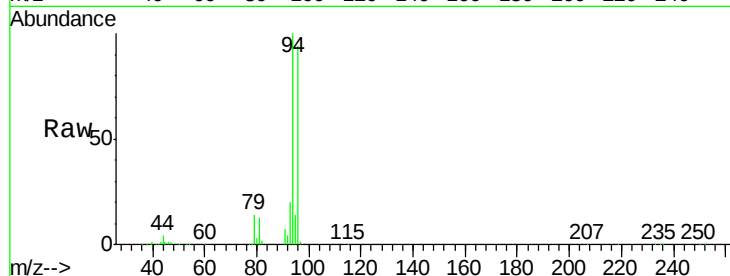
VSTDCCC050

Tot Ion: 94 Resp: 285258

Ion Ratio Lower Upper

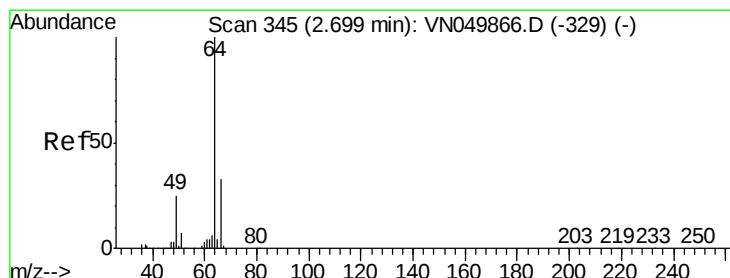
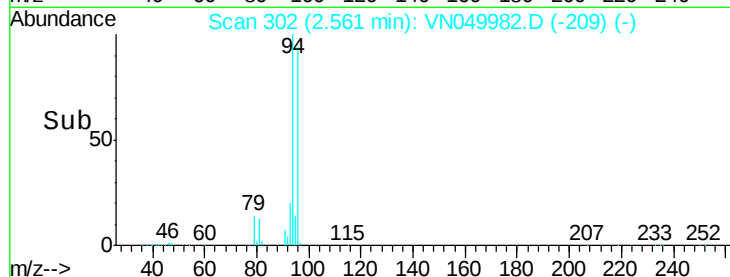
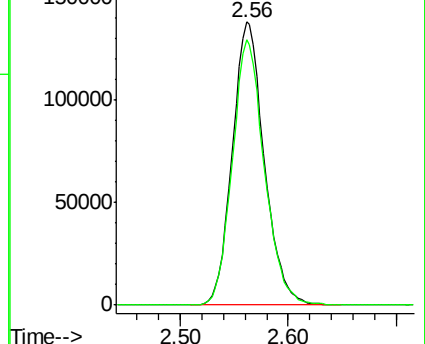
94 100

96 93.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049982.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049982.D (-209) (-)



#6

Chloroethane

Concen: 42.34 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049982.D

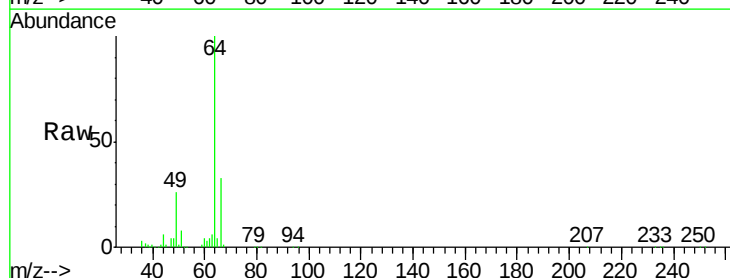
Acq: 21 Jul 2018 1:21

Tgt Ion: 64 Resp: 221047

Ion Ratio Lower Upper

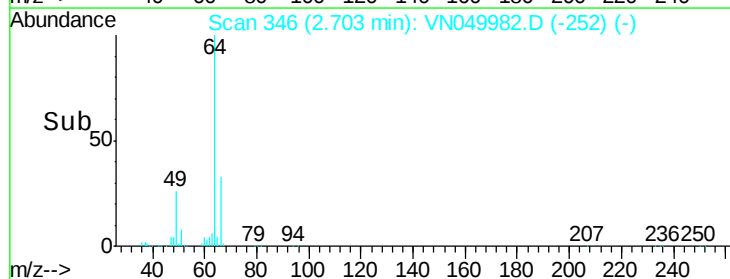
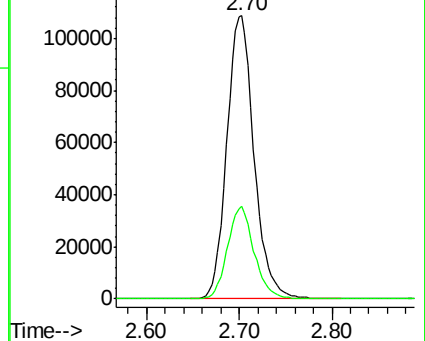
64 100

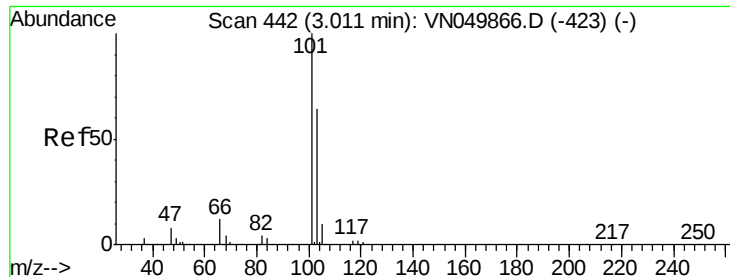
66 32.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049982.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049982.D (-252) (-)



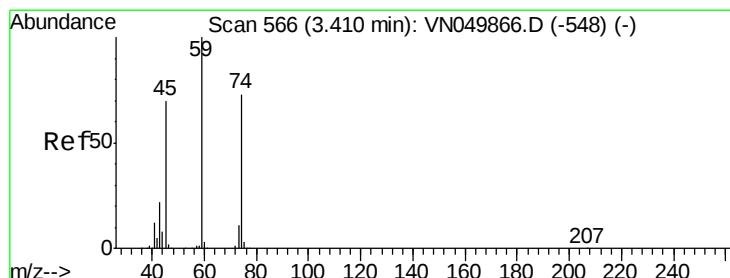
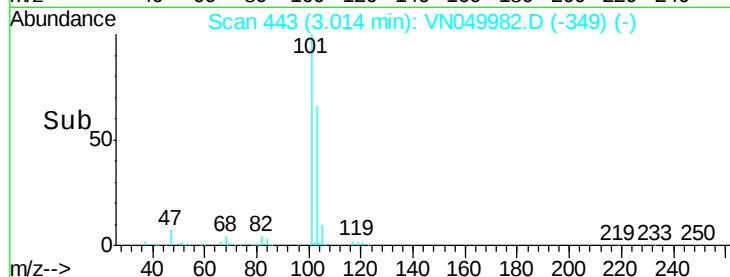
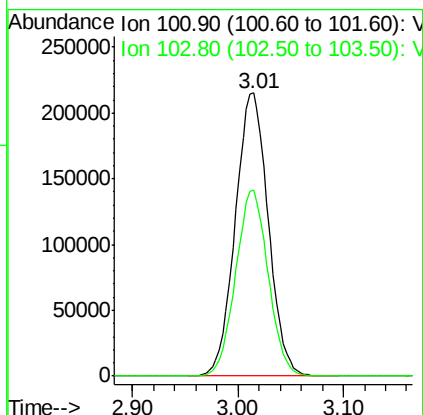
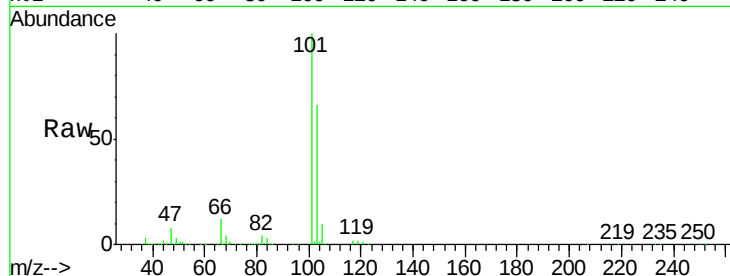


#7

Trichlorofluoromethane
 Concen: 42.50 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

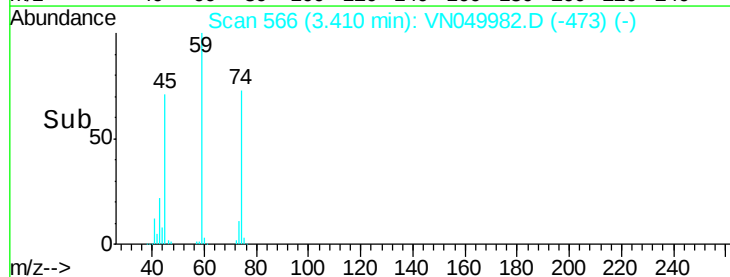
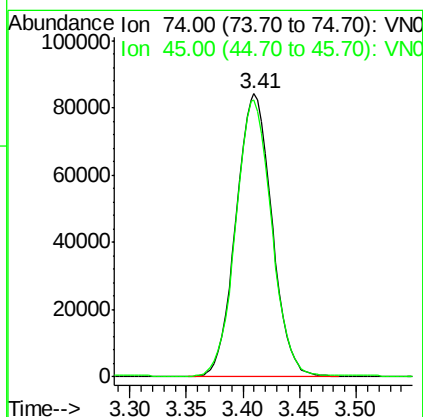
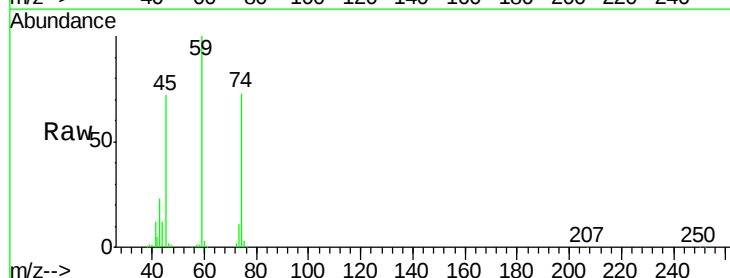
Tot Ion:101 Resp: 467093
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.8 79.2

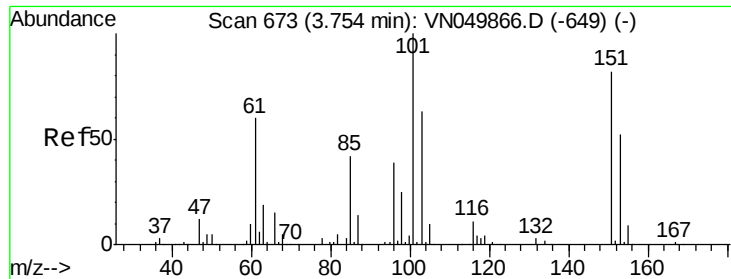


#8

Diethyl Ether
 Concen: 48.68 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 74 Resp: 186634
 Ion Ratio Lower Upper
 74 100
 45 97.2 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.20 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049982.D

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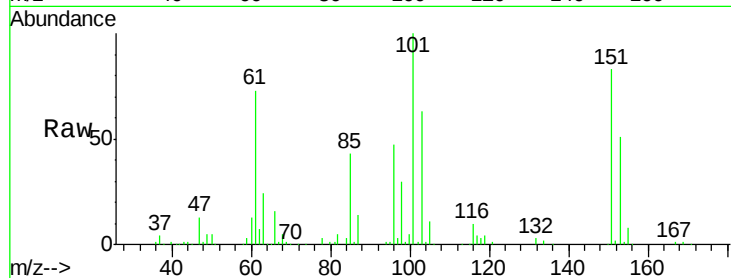
Tot Ion:101 Resp: 299471

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

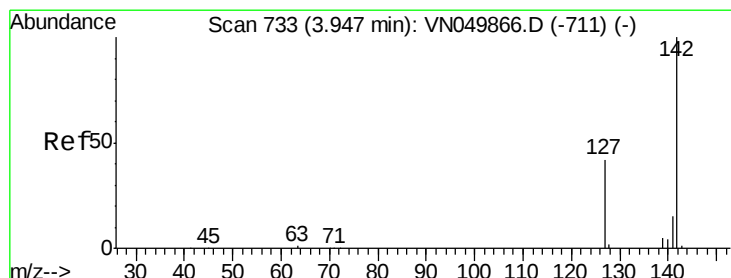
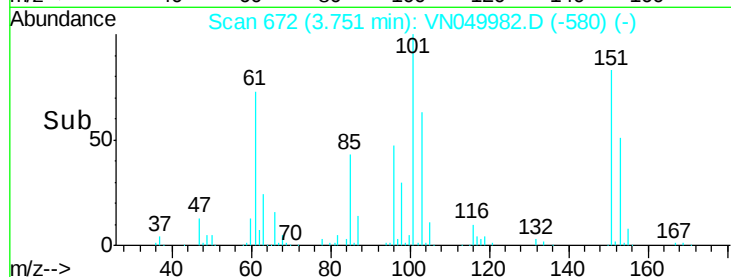
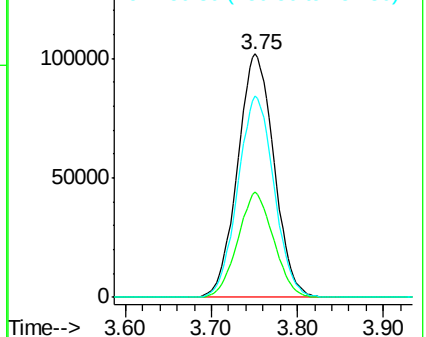
151 82.1 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.19 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

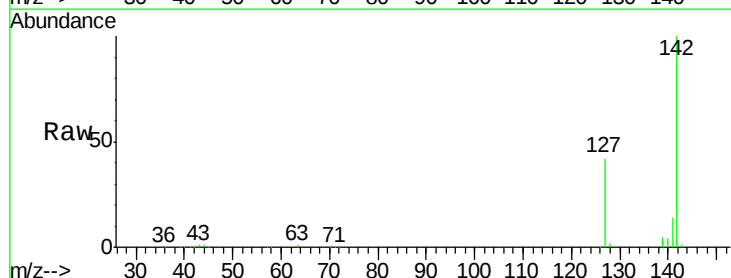
Tgt Ion:142 Resp: 392620

Ion Ratio Lower Upper

142 100

127 42.3 32.5 48.7

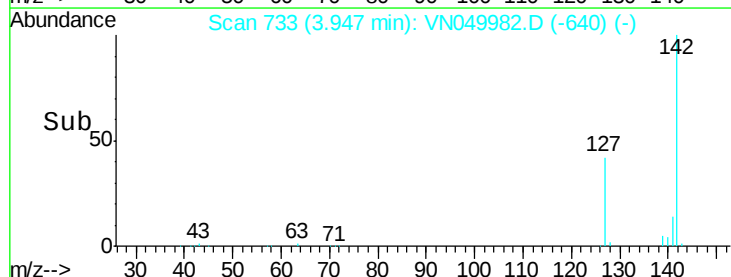
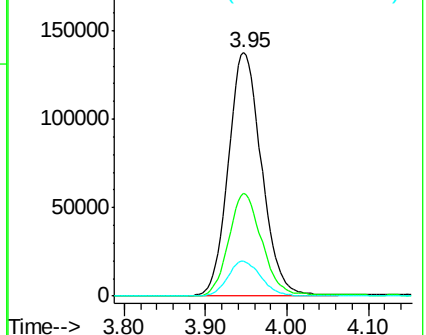
141 14.4 11.1 16.7

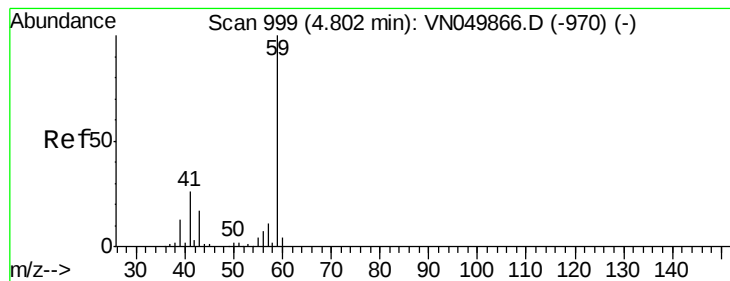


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



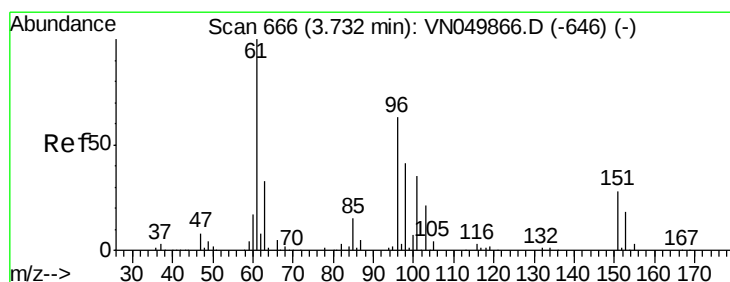
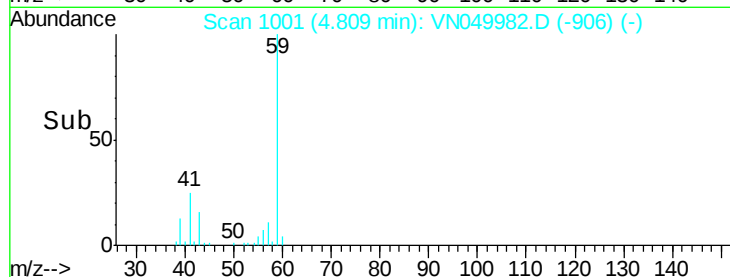
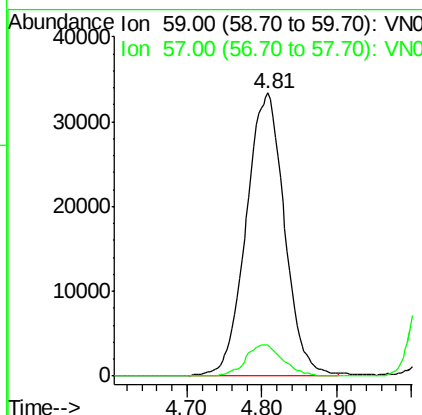
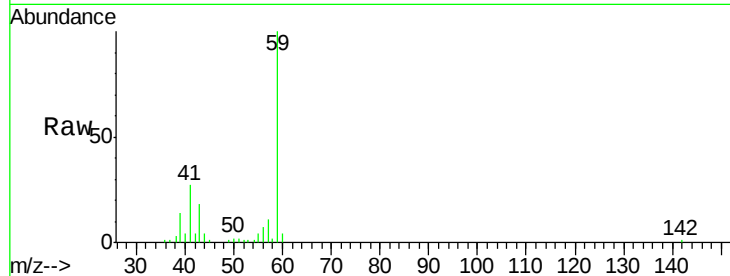


#11

Tert butyl alcohol
 Concen: 221.47 ug/l
 RT: 4.81 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

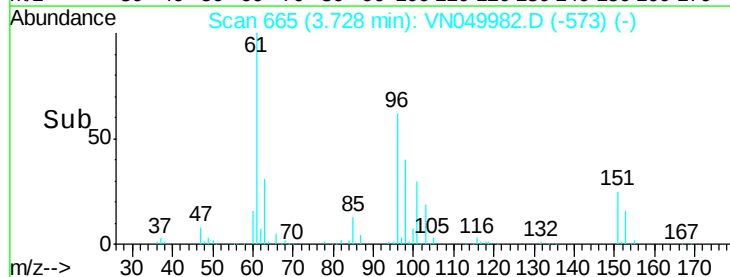
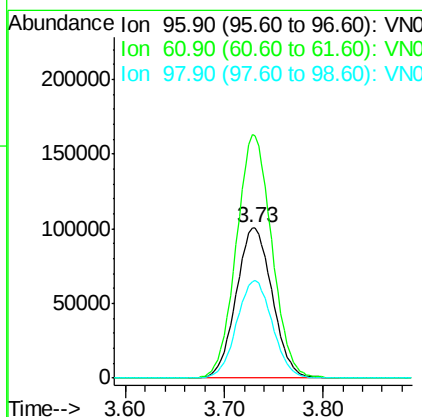
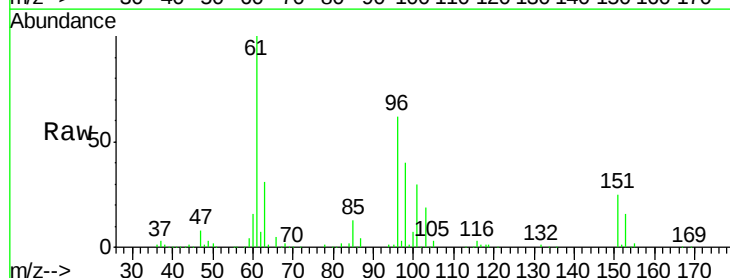
Tot Ion: 59 Resp: 119076
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.5 12.7

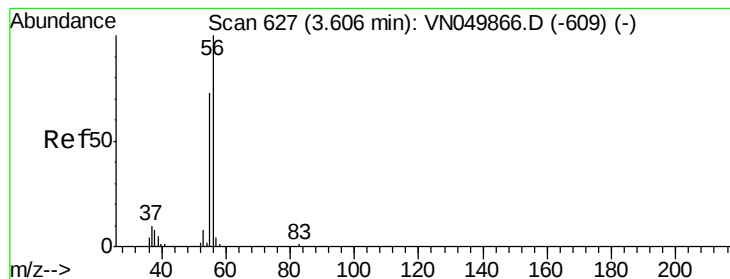


#12

1,1-Dichloroethene
 Concen: 42.96 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 96 Resp: 255722
 Ion Ratio Lower Upper
 96 100
 61 162.0 126.5 189.7
 98 64.6 51.0 76.6





#13

Acrolein

Concen: 162.50 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

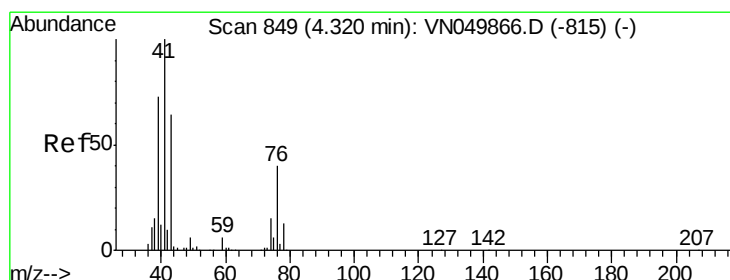
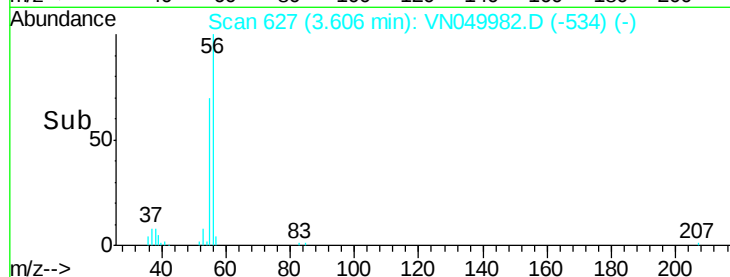
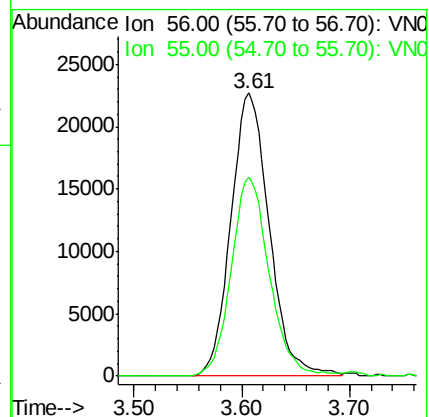
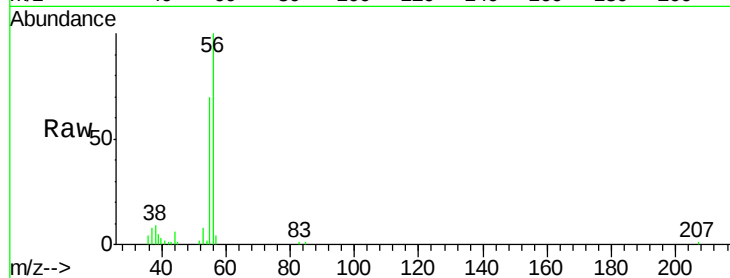
VSTDCCC050

Tot Ion: 56 Resp: 56300

Ion Ratio Lower Upper

56 100

55 69.1 55.8 83.8



#14

Allyl chloride

Concen: 45.75 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

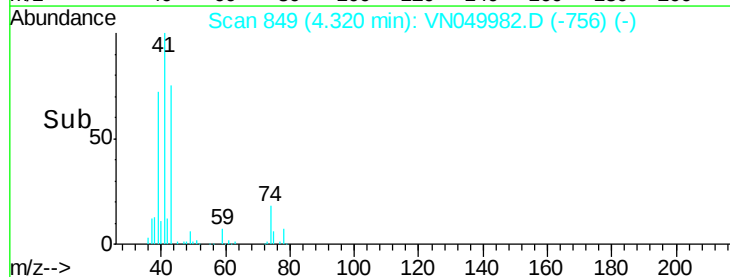
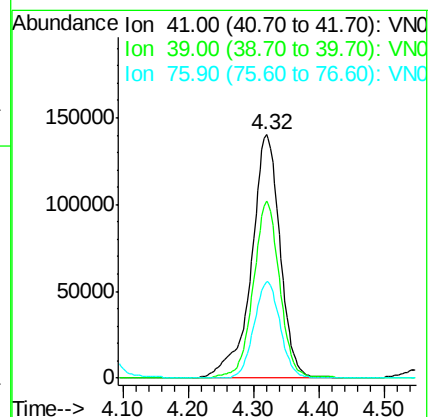
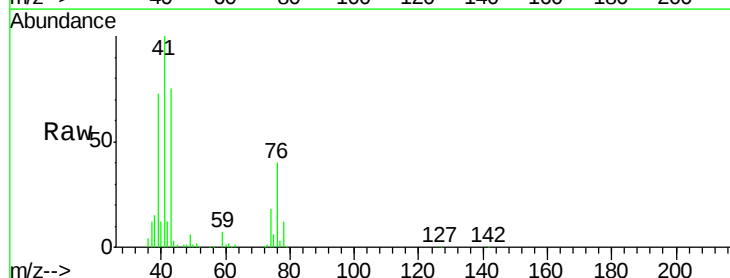
Tgt Ion: 41 Resp: 429317

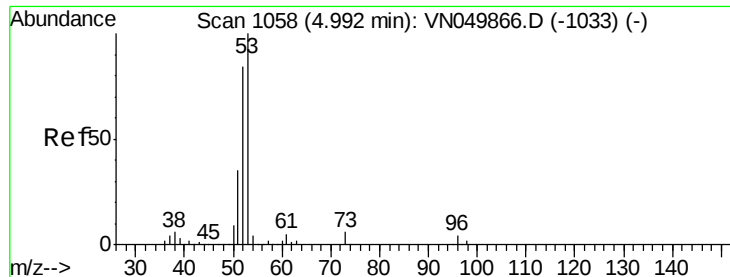
Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8

76 35.8 29.0 43.6





#15

Acrylonitrile

Concen: 251.29 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

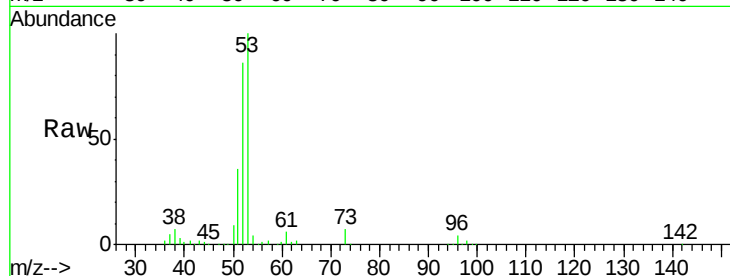
Tot Ion: 53 Resp: 594211

Ion Ratio Lower Upper

53 100

52 84.0 64.8 97.2

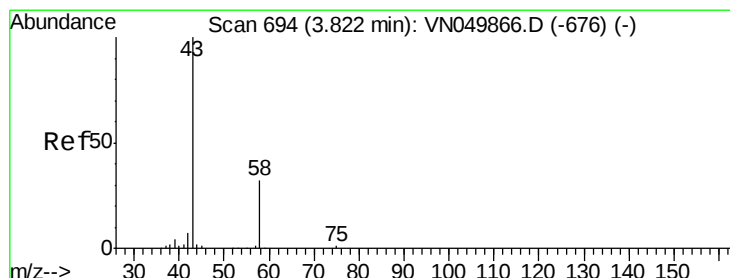
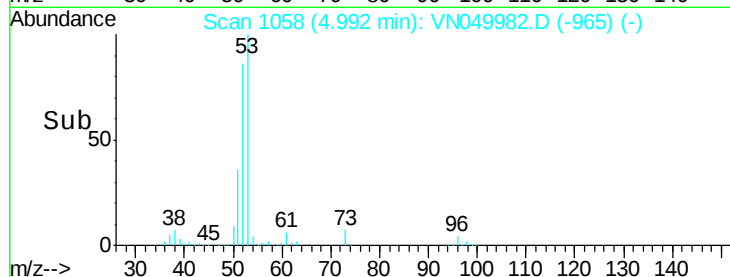
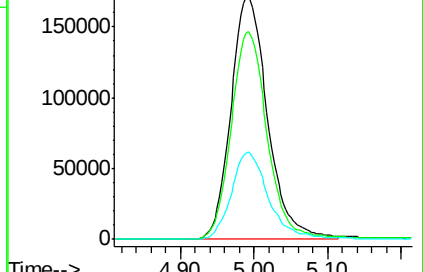
51 36.4 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049982.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049982.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049982.D (-965) (-)



#16

Acetone

Concen: 219.61 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN049982.D

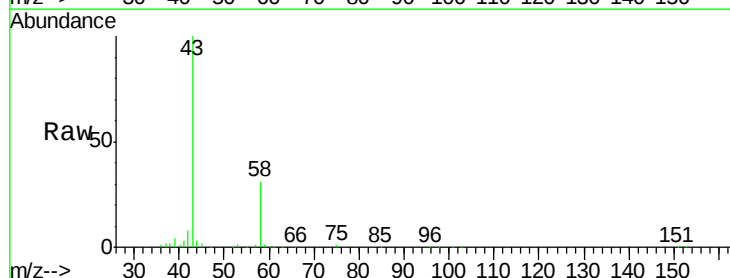
Acq: 21 Jul 2018 1:21

Tgt Ion: 43 Resp: 429127

Ion Ratio Lower Upper

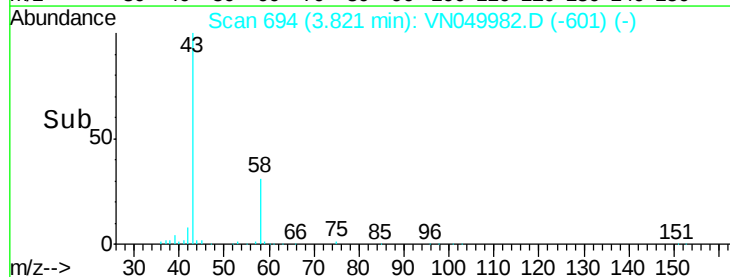
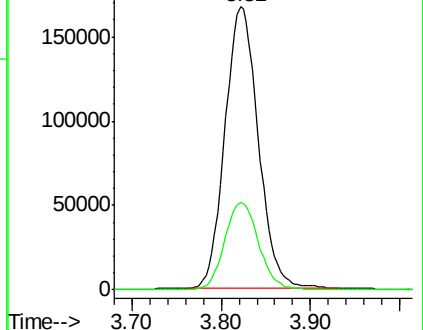
43 100

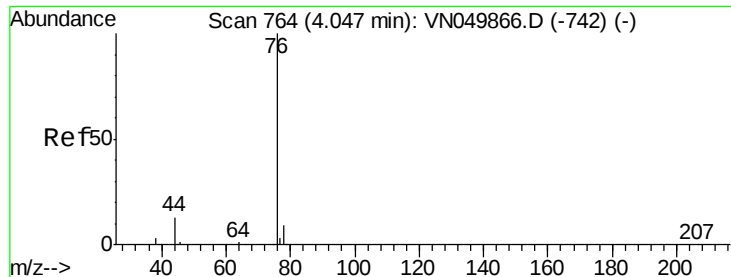
58 30.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049982.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049982.D (-601) (-)

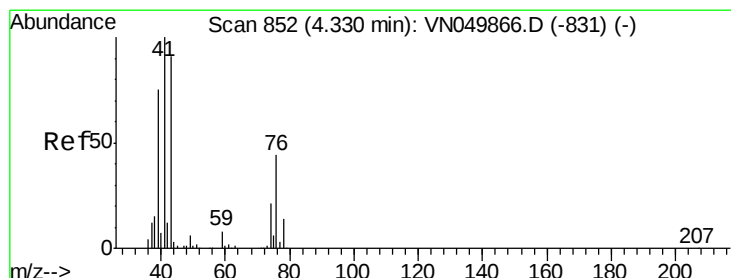
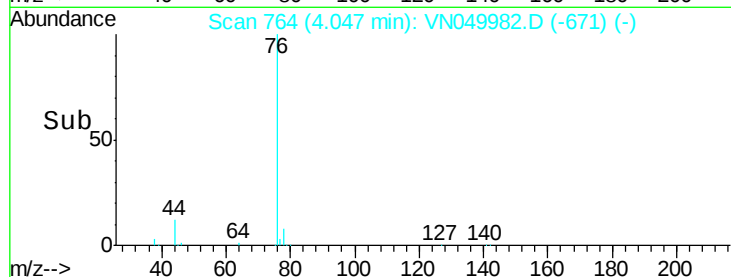
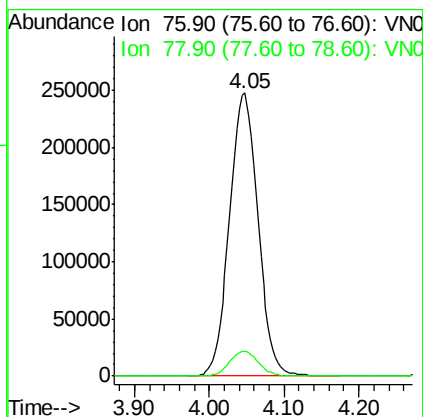
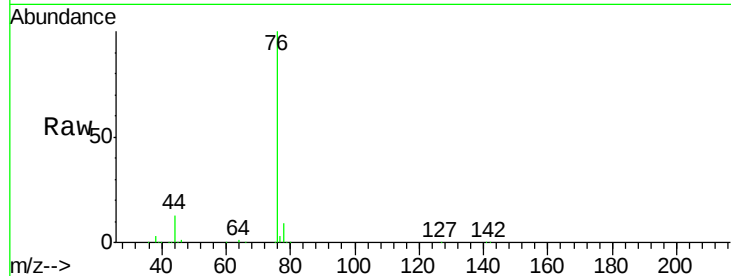




#17
Carbon Disulfide
Concen: 37.03 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

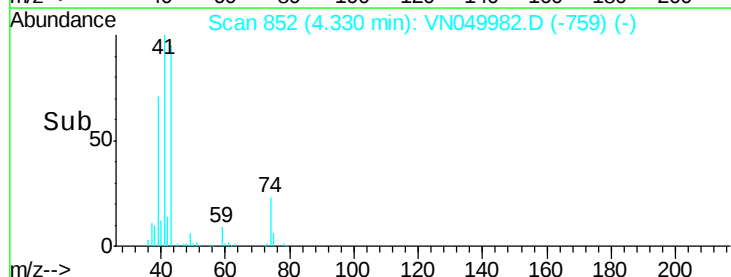
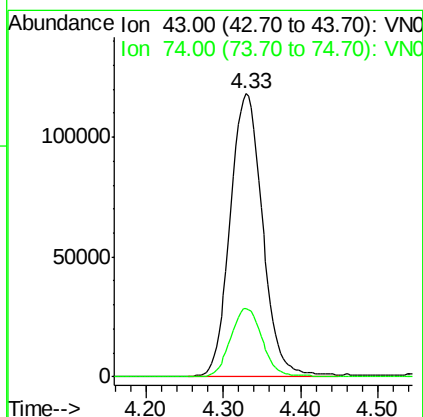
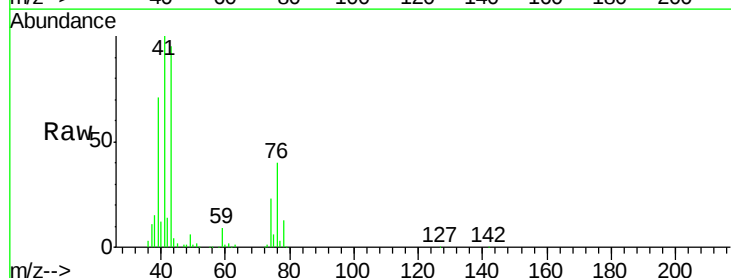
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

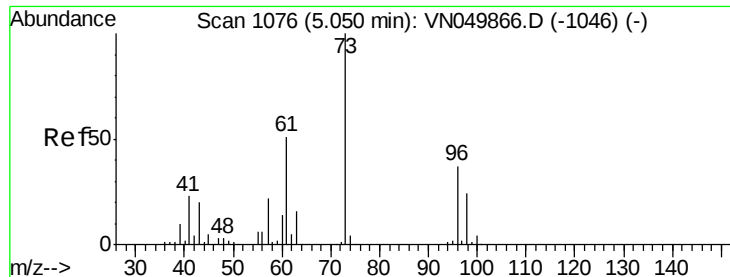
Tot Ion: 76 Resp: 659562
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 55.73 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 43 Resp: 341610
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.8

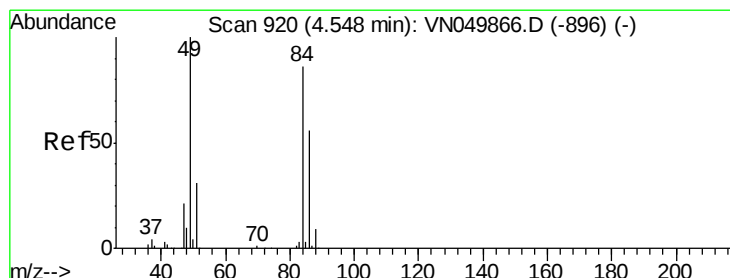
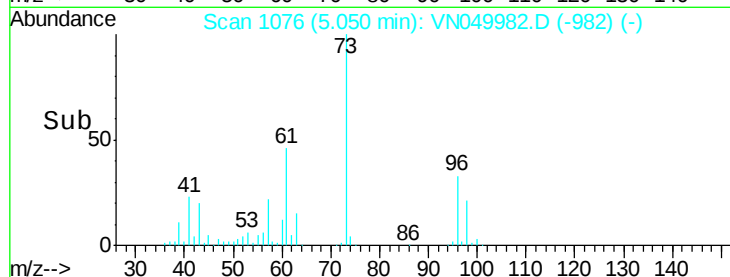
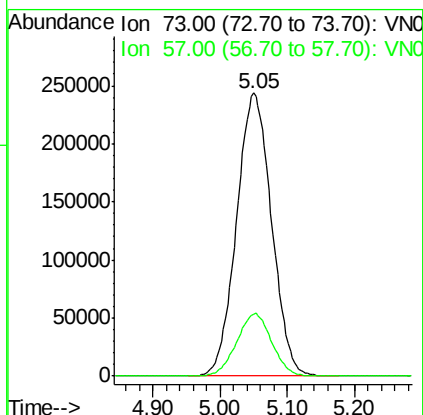
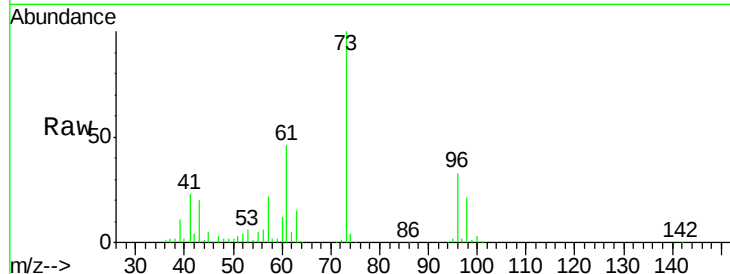




#19
Methyl tert-butyl Ether
Concen: 53.66 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

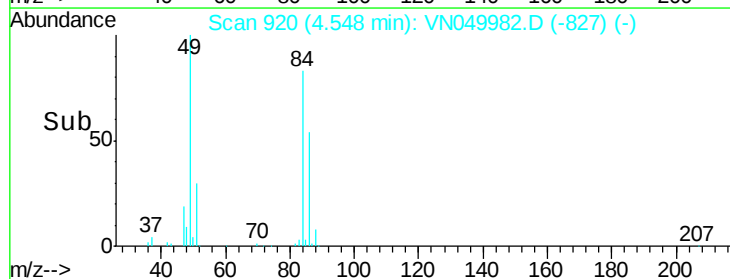
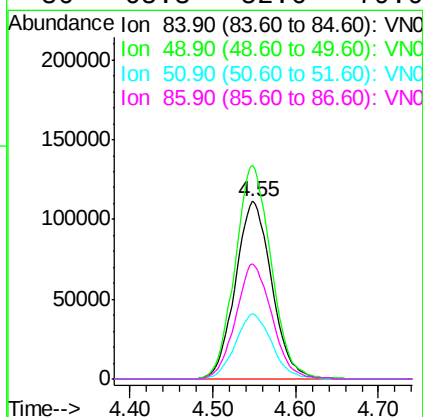
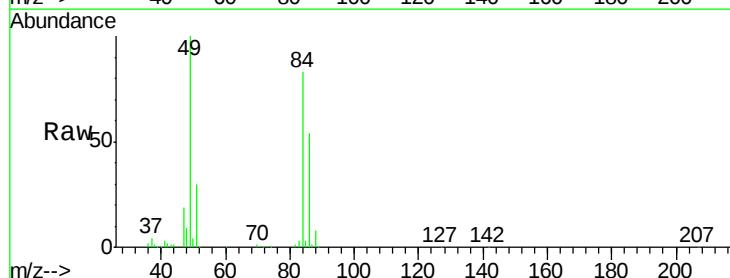
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

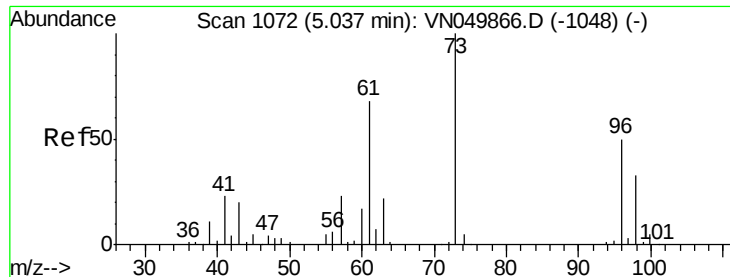
Tot Ion: 73 Resp: 878961
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 45.68 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 84 Resp: 339415
Ion Ratio Lower Upper
84 100
49 120.5 95.4 143.2
51 36.5 28.4 42.6
86 65.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.84 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

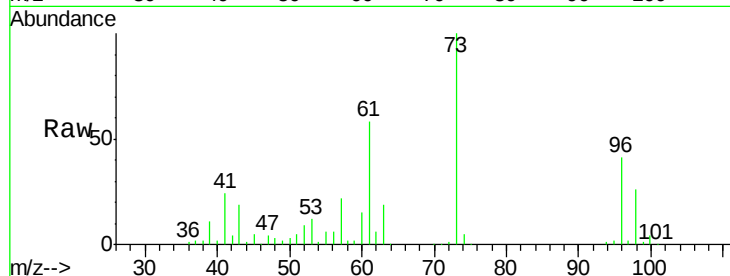
Tot Ion: 96 Resp: 289759

Ion Ratio Lower Upper

96 100

61 141.6 109.0 163.6

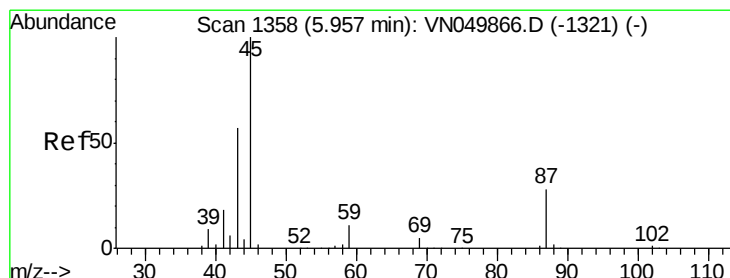
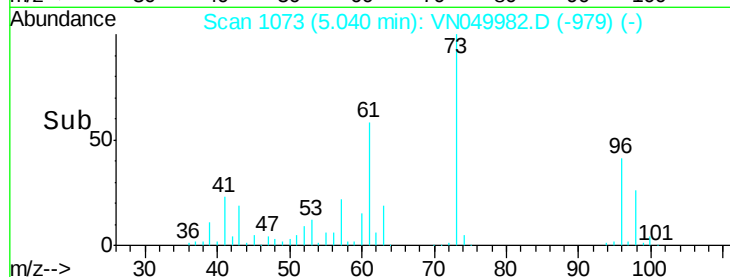
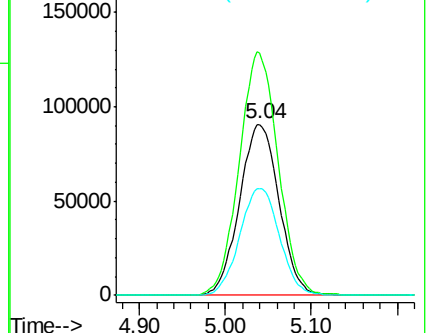
98 62.6 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049982.D (-979) (-)

Ion 60.90 (60.60 to 61.60): VN049982.D (-979) (-)

Ion 97.90 (97.60 to 98.60): VN049982.D (-979) (-)



#22

Diisopropyl ether

Concen: 55.17 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Tgt Ion: 45 Resp: 1056376

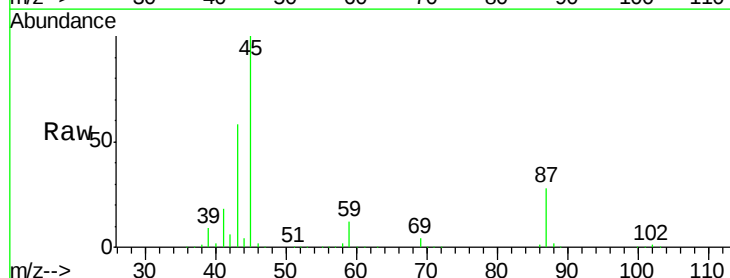
Ion Ratio Lower Upper

45 100

43 57.9 48.1 72.1

87 27.6 22.6 34.0

59 12.4 9.2 13.8

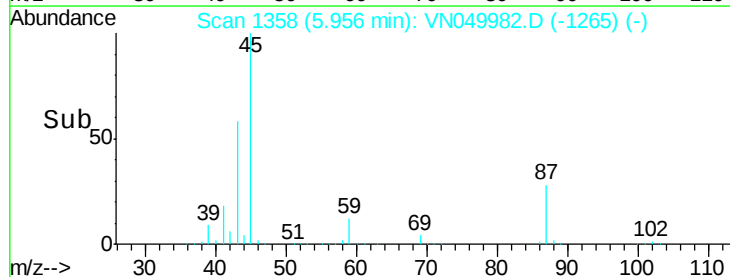
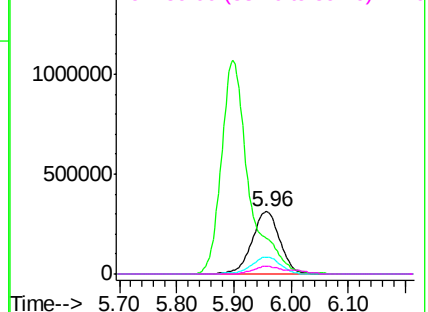


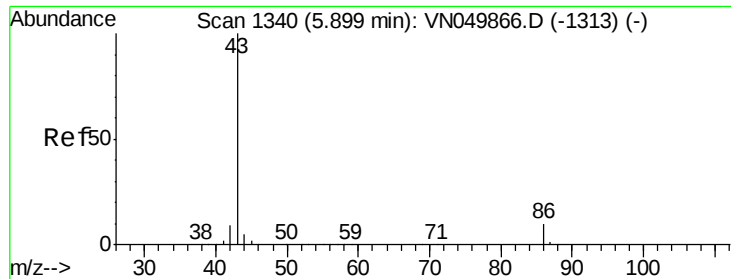
Abundance Ion 45.00 (44.70 to 45.70): VN049982.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049982.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049982.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049982.D (-1265) (-)

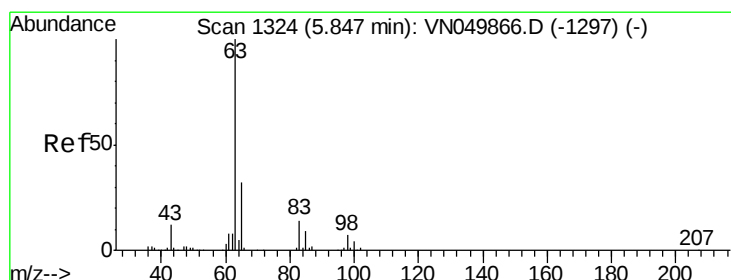
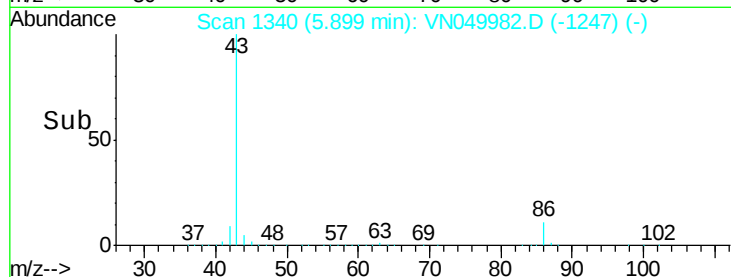
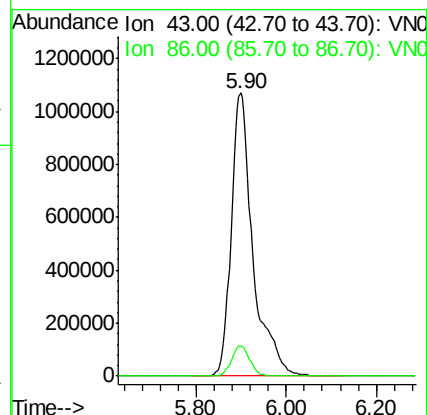
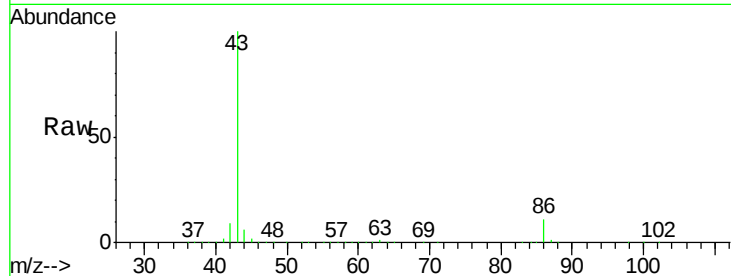




#23
 Vinyl Acetate
 Concen: 266.16 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

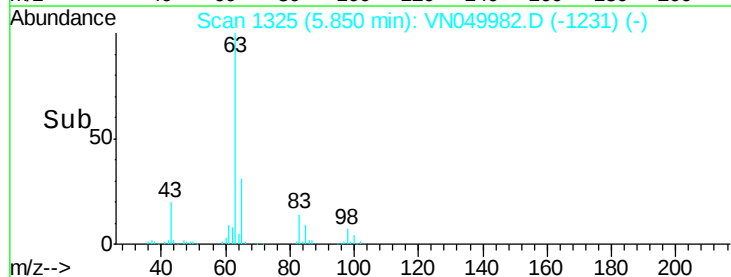
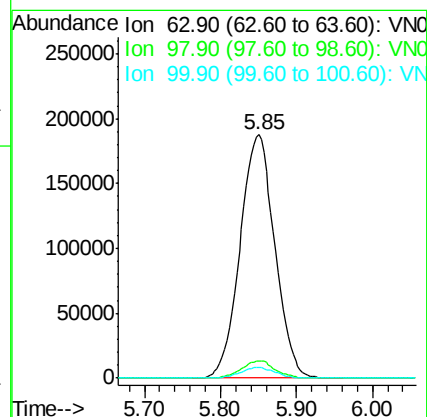
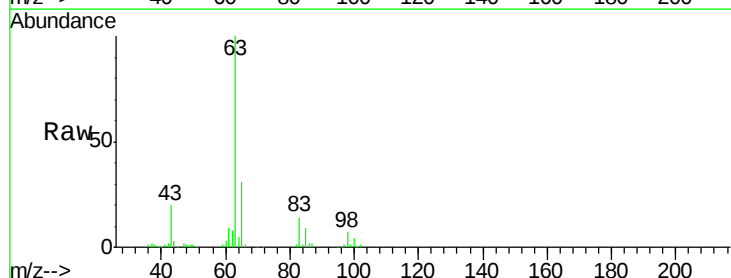
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

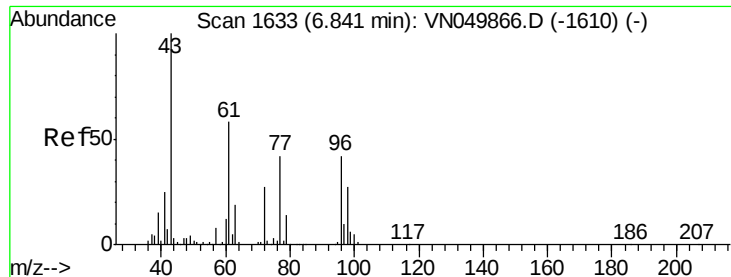
Tot Ion: 43 Resp: 3576226
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 48.31 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 63 Resp: 593924
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.2
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 243.99 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

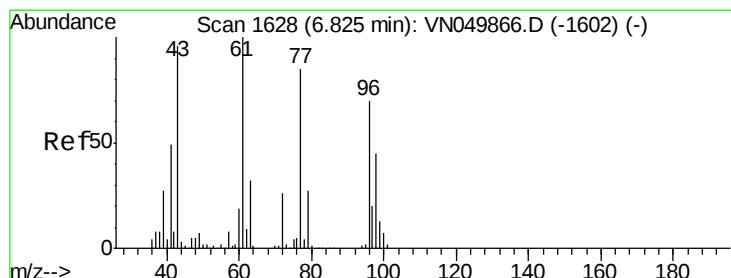
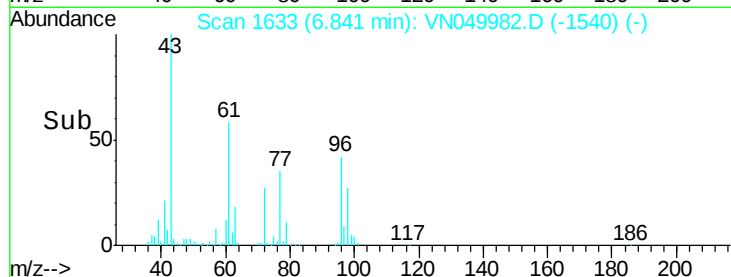
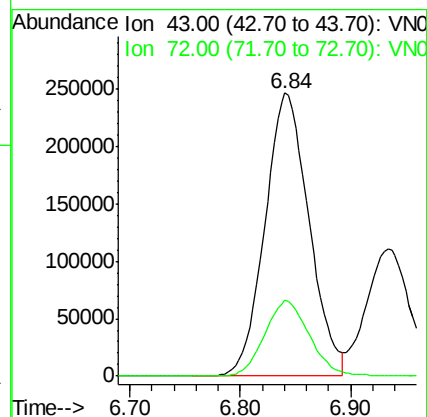
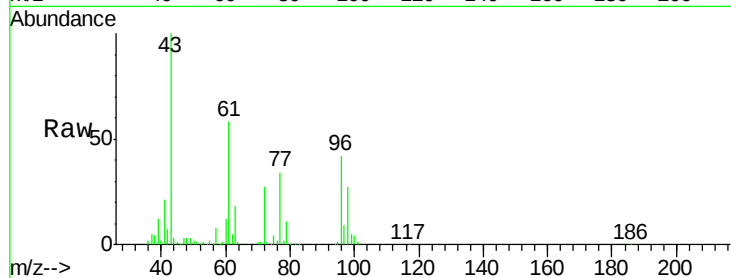
VSTDCCC050

Tot Ion: 43 Resp: 681373

Ion Ratio Lower Upper

43 100

72 26.8 22.1 33.1



#26

2,2-Dichloropropane

Concen: 37.02 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049982.D

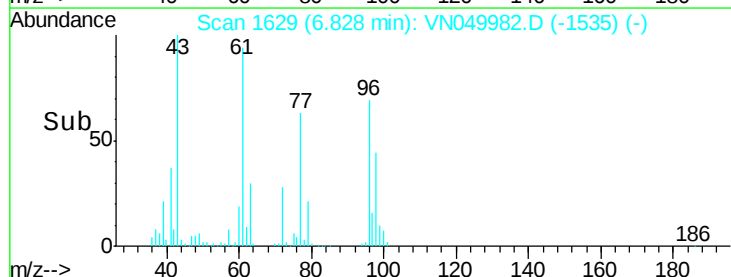
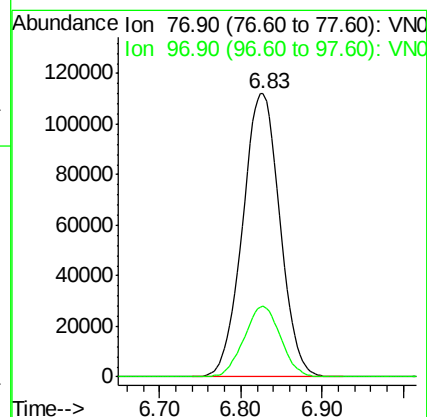
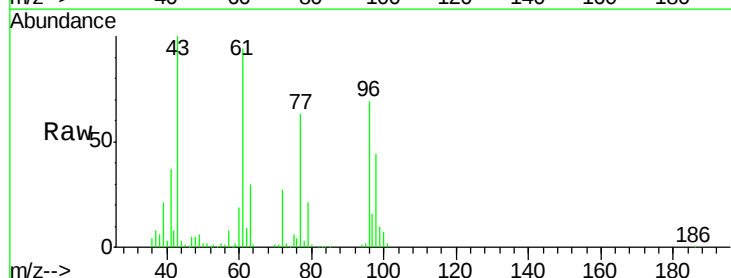
Acq: 21 Jul 2018 1:21

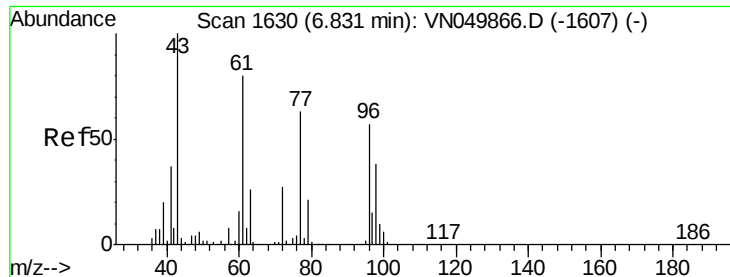
Tgt Ion: 77 Resp: 354165

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.5

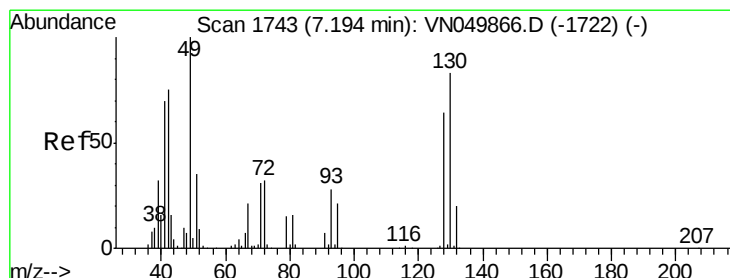
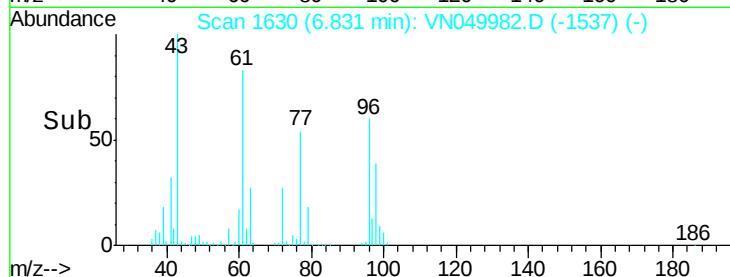
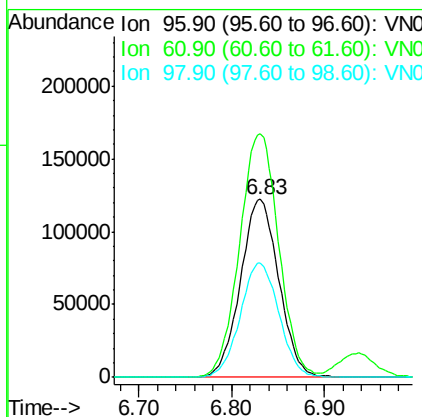
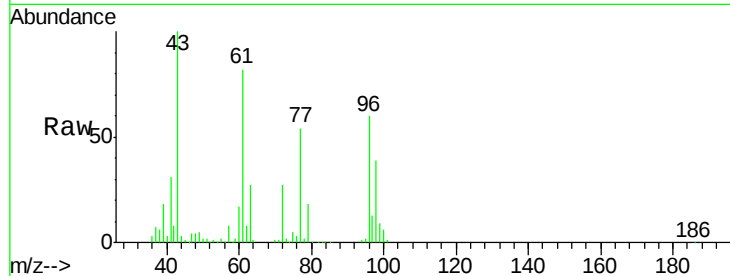




#27
 cis-1,2-Dichloroethene
 Concen: 50.63 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

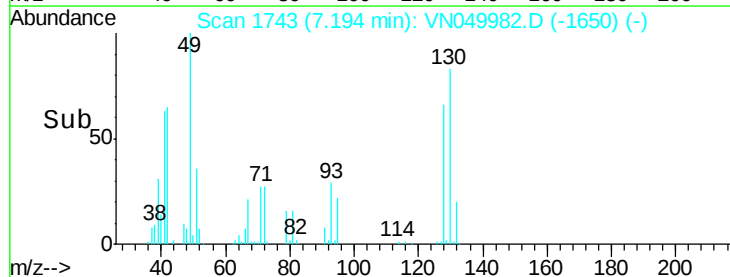
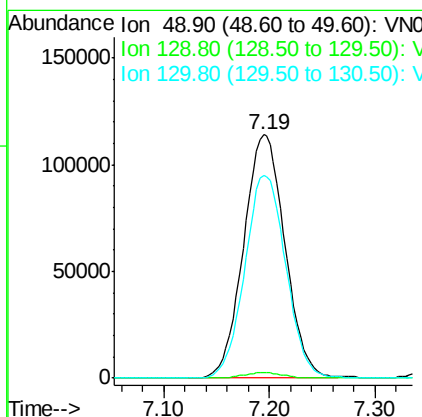
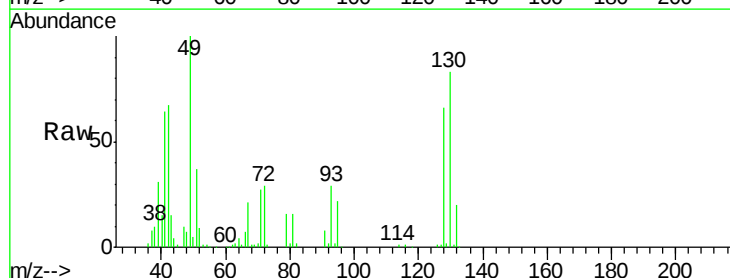
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

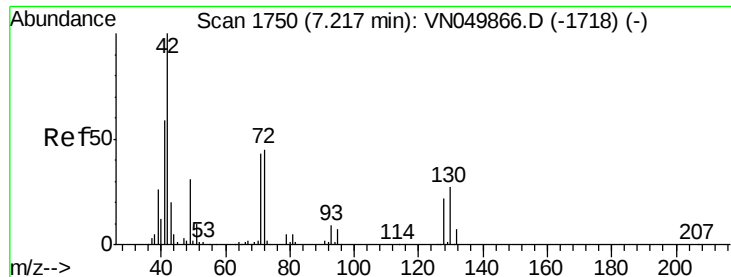
Tot Ion: 96 Resp: 351163
 Ion Ratio Lower Upper
 96 100
 61 139.6 0.0 289.0
 98 64.9 0.0 130.2



#28
 Bromochloromethane
 Concen: 55.90 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 49 Resp: 310355
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.0 65.5 98.3

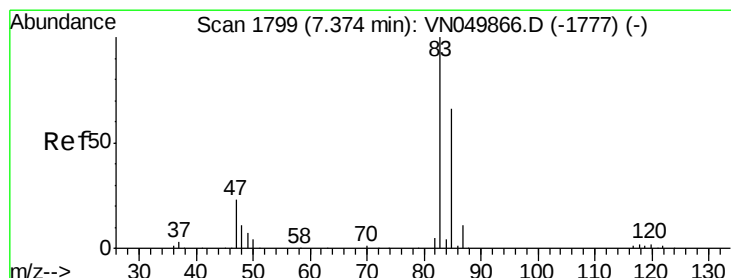
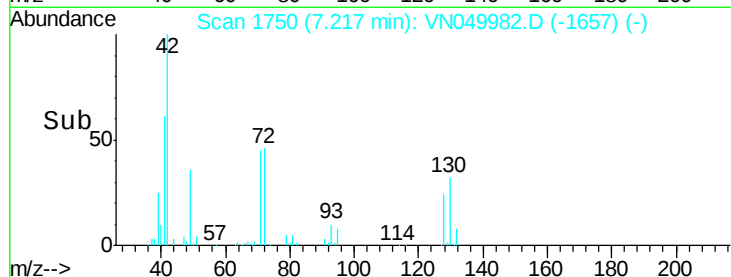
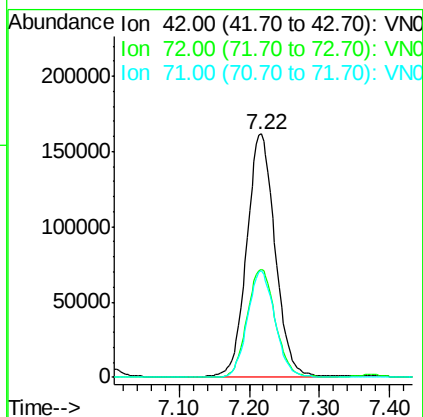
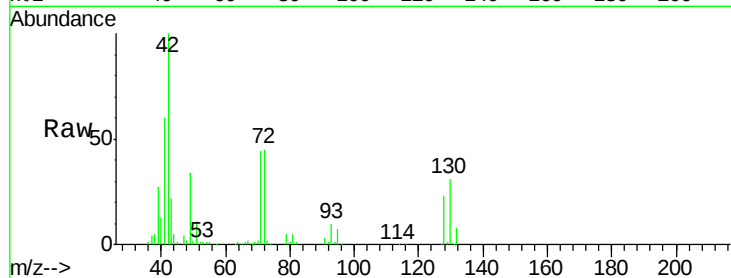




#29
Tetrahydrofuran
Concen: 257.59 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

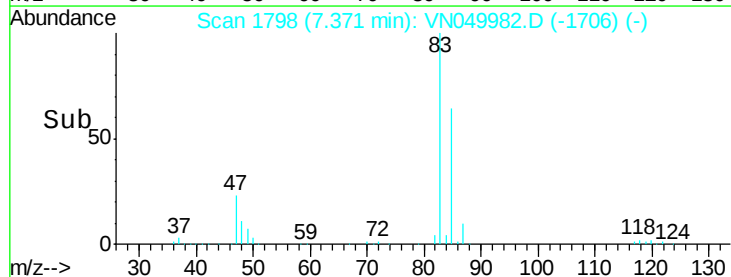
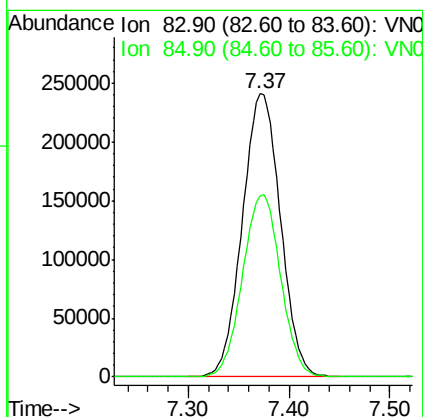
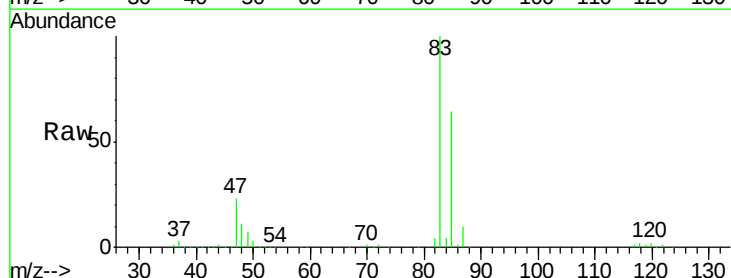
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

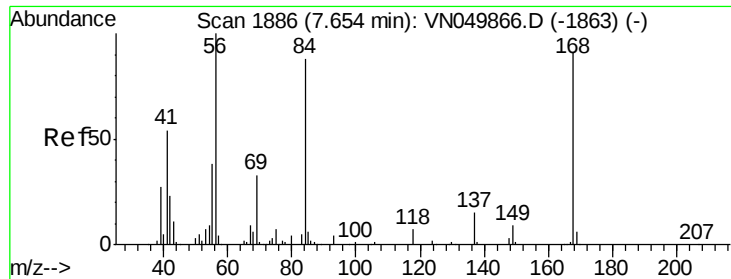
Tot Ion: 42 Resp: 453168
Ion Ratio Lower Upper
42 100
72 44.4 35.6 53.4
71 42.3 34.0 51.0



#30
Chloroform
Concen: 50.05 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 83 Resp: 631696
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.2

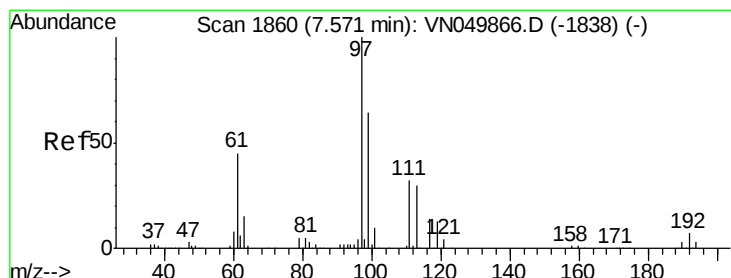
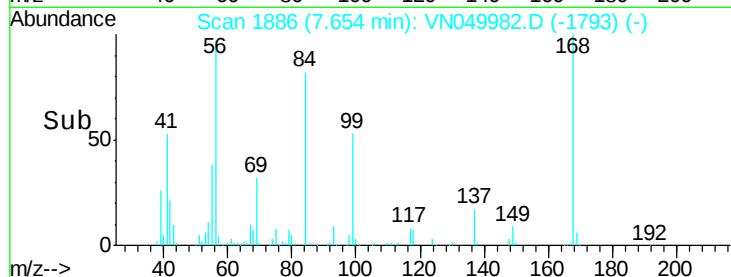
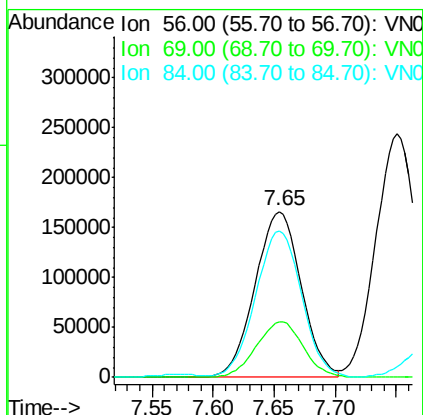
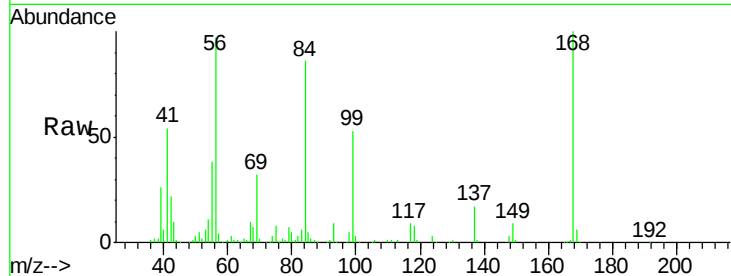




#31
Cyclohexane
Concen: 43.77 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

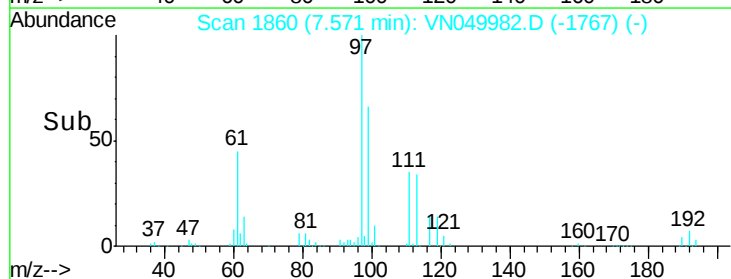
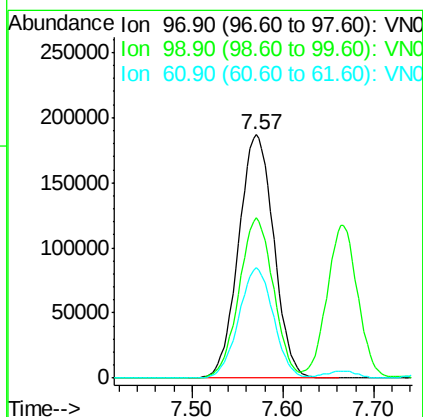
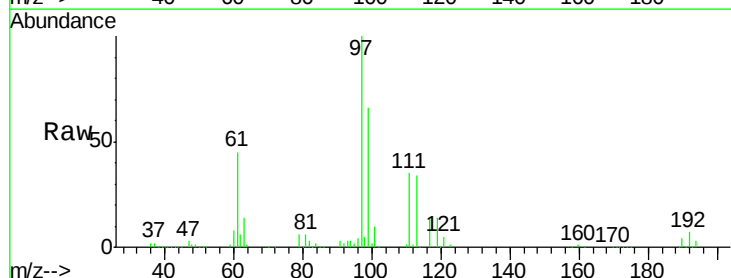
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

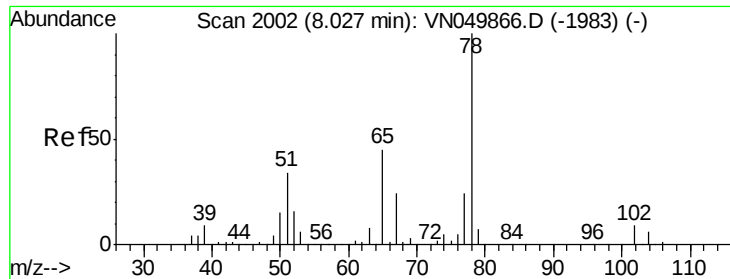
Tot Ion: 56 Resp: 437964
Ion Ratio Lower Upper
56 100
69 33.2 26.6 40.0
84 86.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 46.08 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 97 Resp: 502640
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 44.7 35.5 53.3

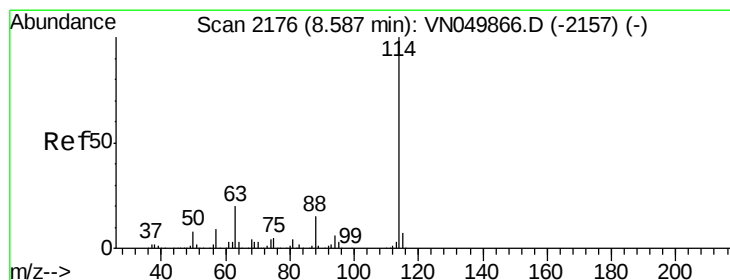
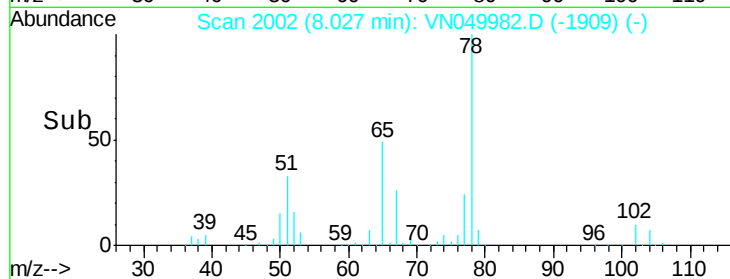
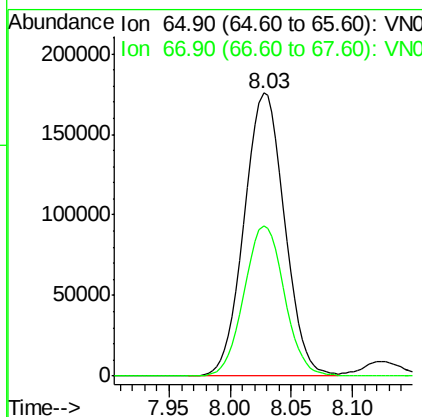
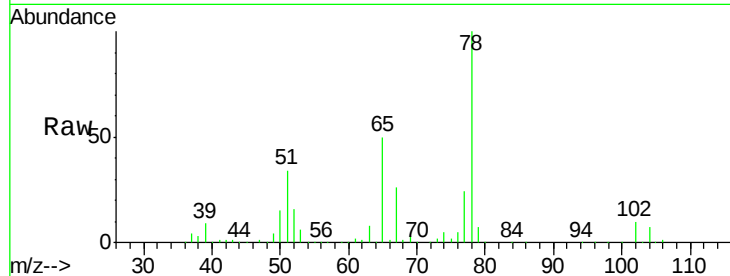




#33
 1,2-Dichloroethane-d4
 Concen: 53.43 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

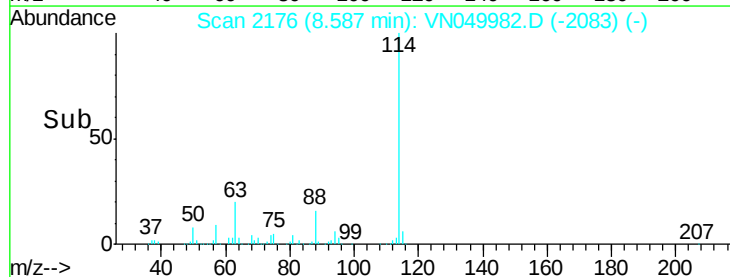
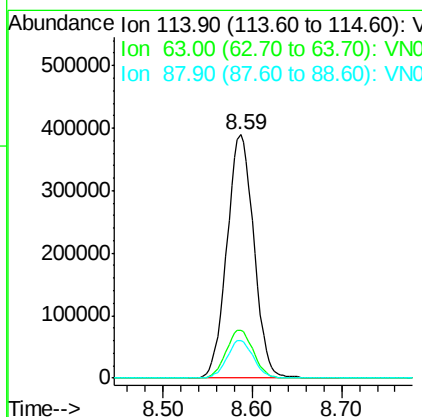
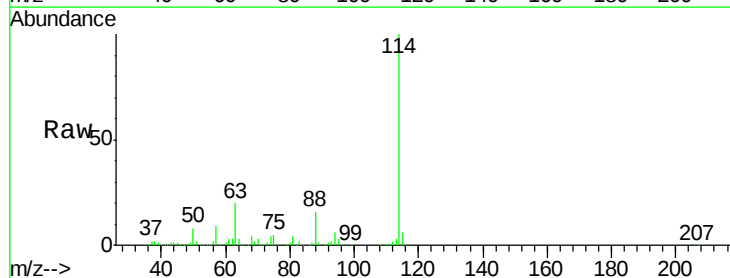
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

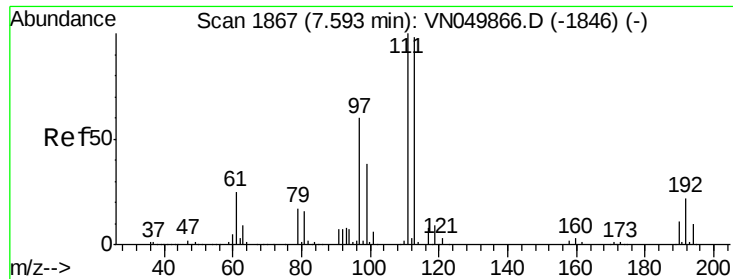
Tot Ion: 65 Resp: 403222
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 114 Resp: 815100
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.6 0.0 30.6

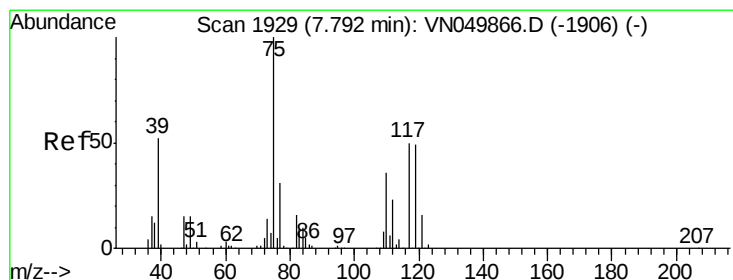
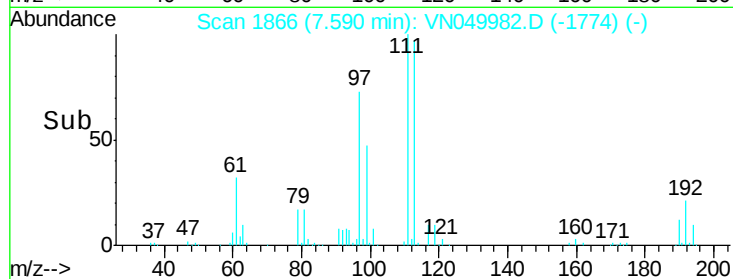
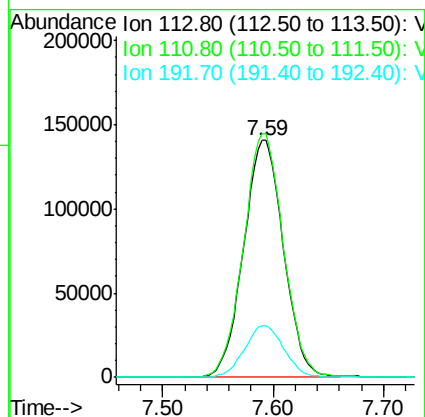
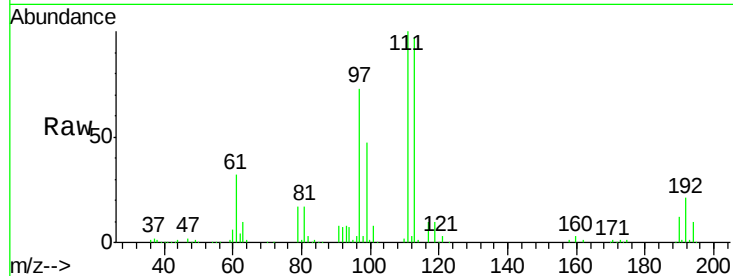




#35
 Dibromofluoromethane
 Concen: 51.41 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

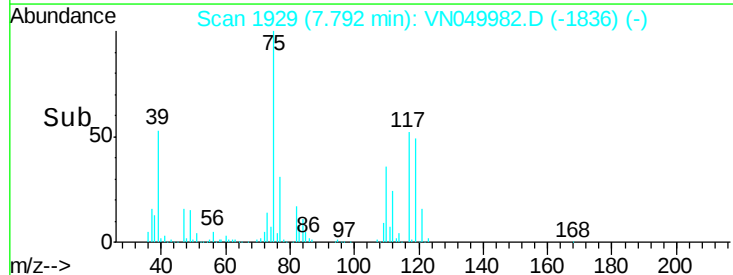
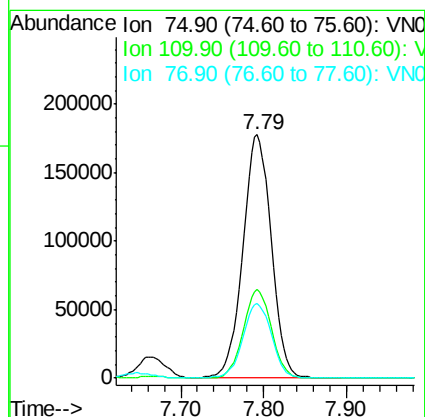
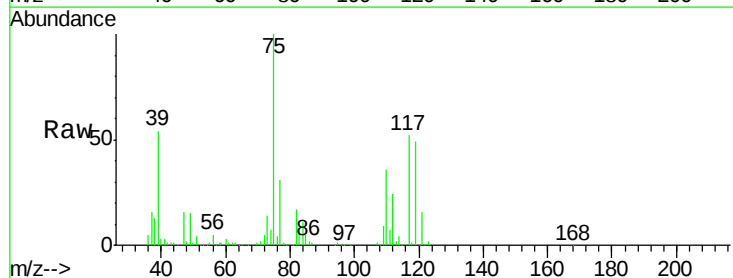
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

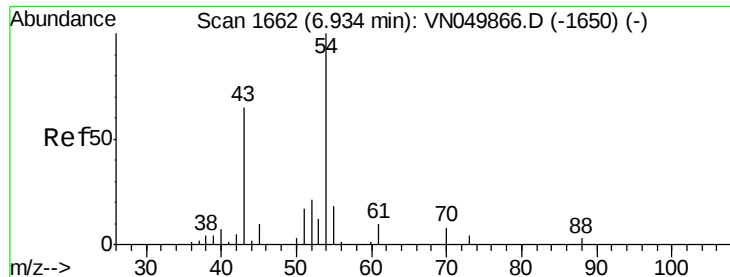
Tot Ion:113 Resp: 351806
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 21.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 46.59 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 75 Resp: 422290
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.1 54.4
 77 31.2 24.9 37.3

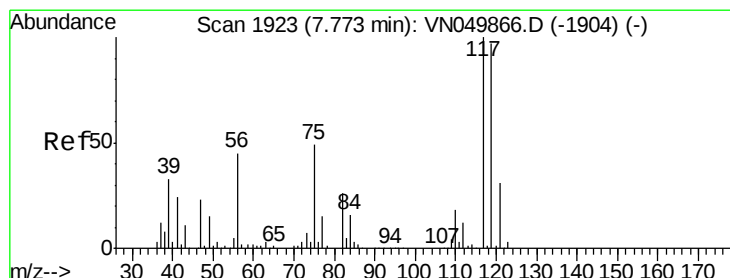
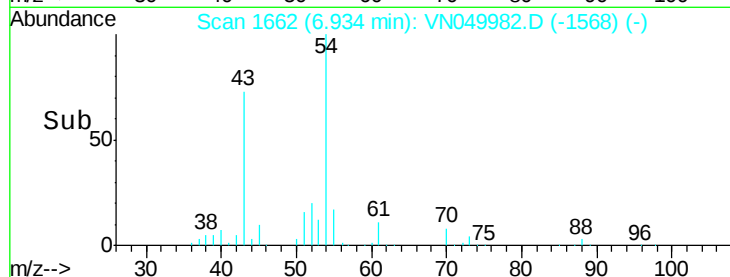
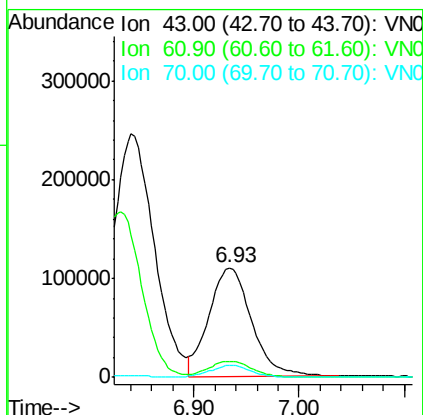
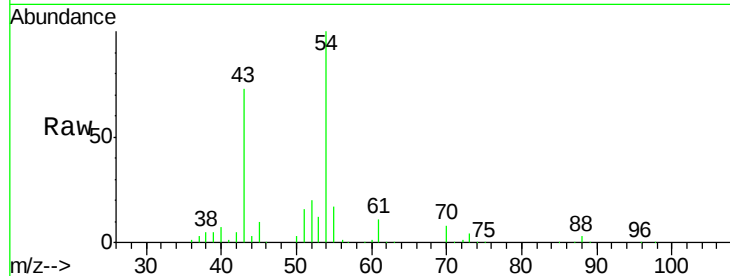




#37
Ethyl Acetate
Concen: 49.26 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

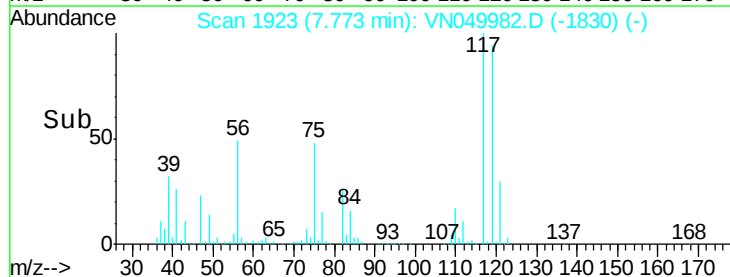
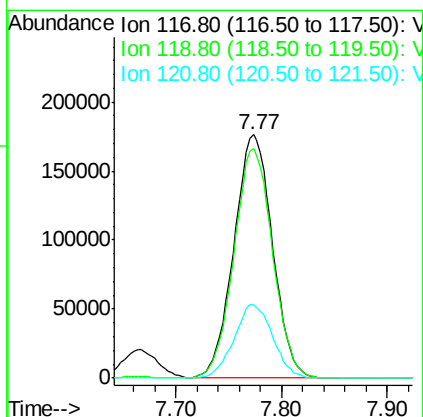
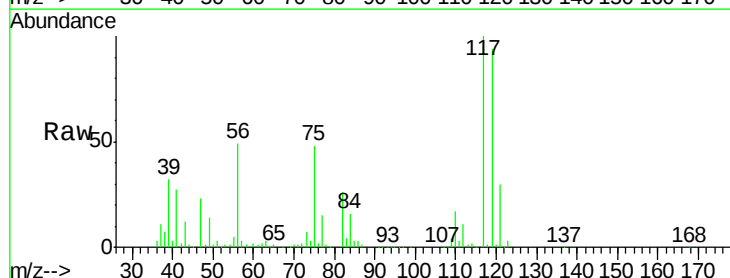
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

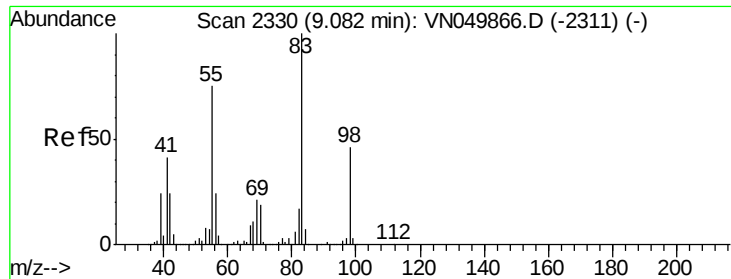
Tot Ion: 43 Resp: 306562
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.00 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 117 Resp: 446548
Ion Ratio Lower Upper
117 100
119 94.2 77.2 115.8
121 30.4 25.0 37.6

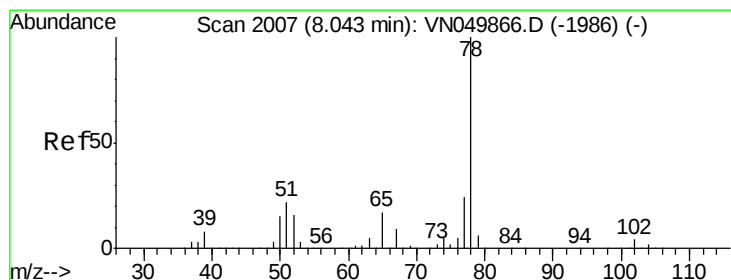
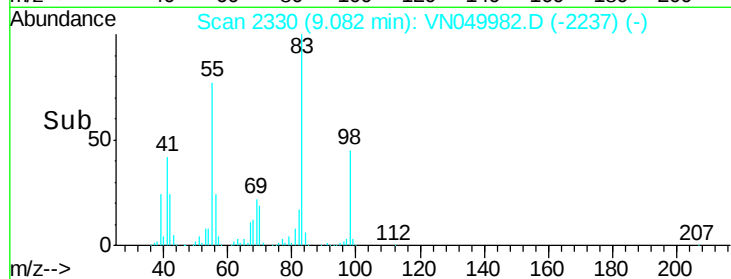
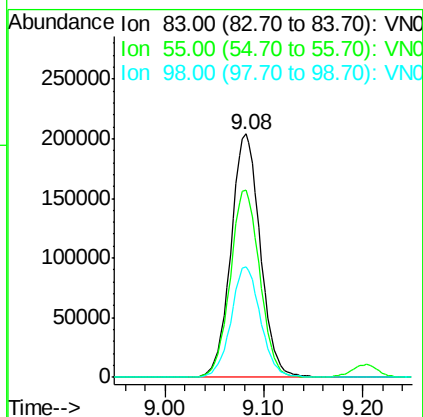
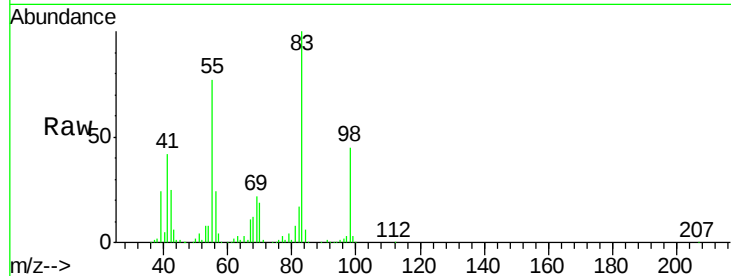




#39
Methvlcvclohexane
Concen: 45.10 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

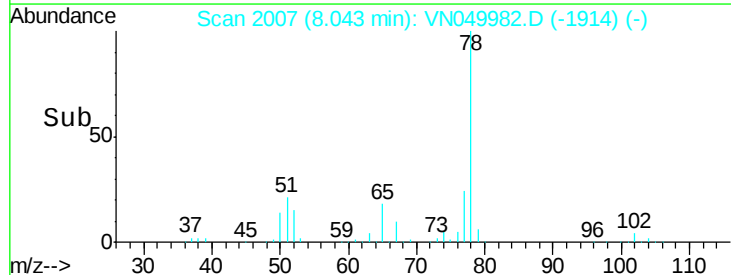
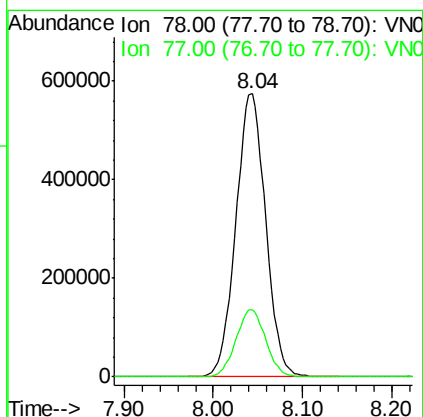
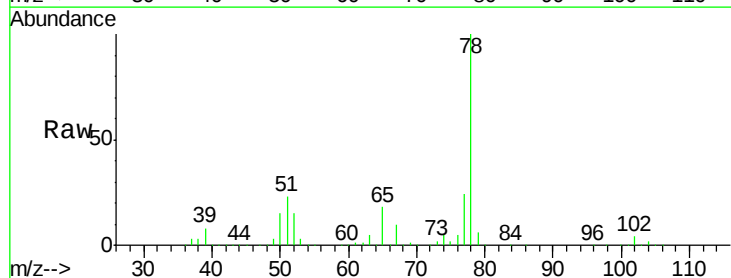
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

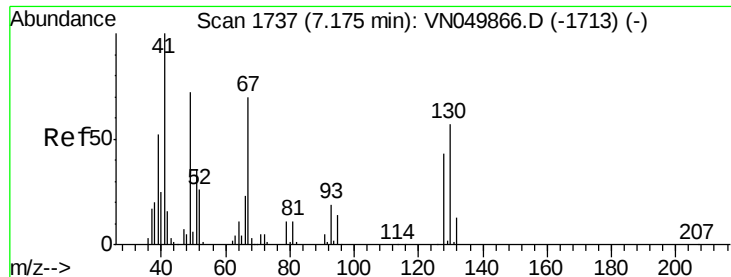
Tot Ion: 83 Resp: 422206
Ion Ratio Lower Upper
83 100
55 76.9 59.7 89.5
98 45.4 36.5 54.7



#40
Benzene
Concen: 48.22 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 78 Resp: 1331988
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

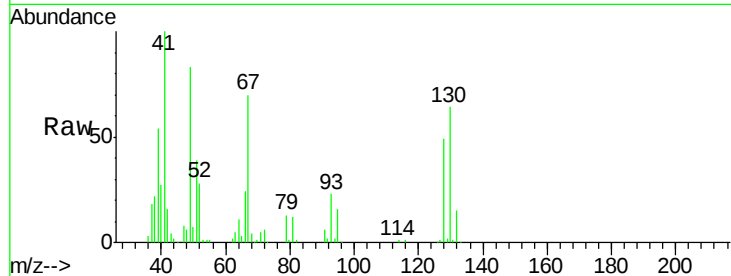




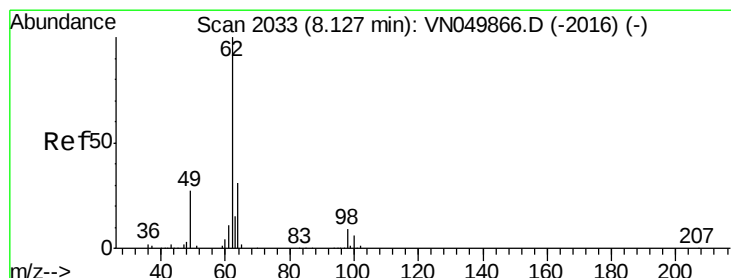
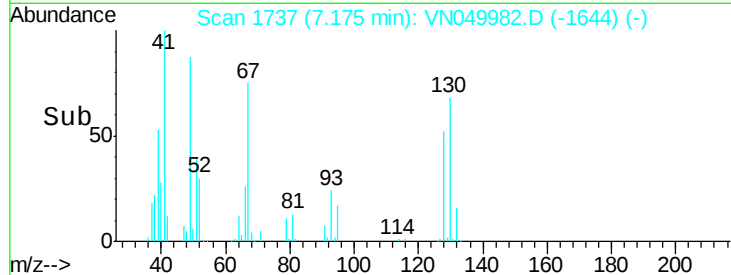
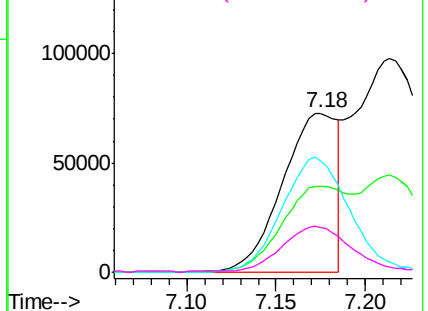
#41
Methacrylonitrile
Concen: 49.71 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 41 Resp: 155084
Ion Ratio Lower Upper
41 100
39 67.9 45.4 68.2
67 90.0 65.4 98.0
52 36.0 24.7 37.1

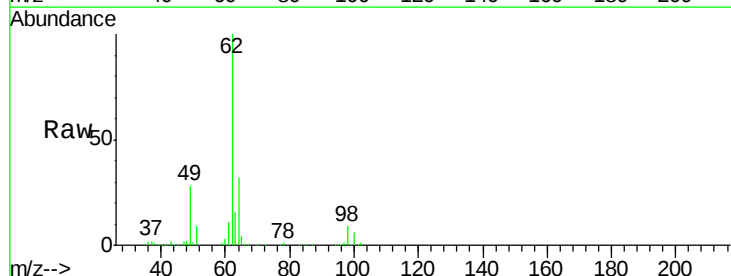


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

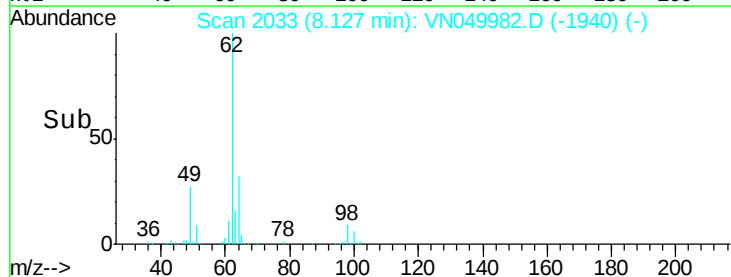
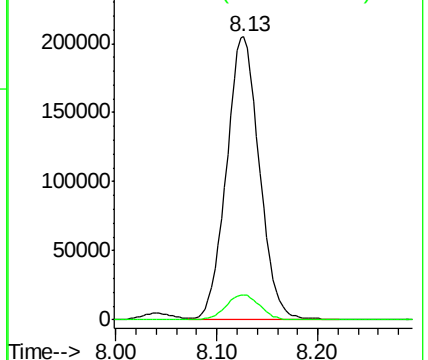


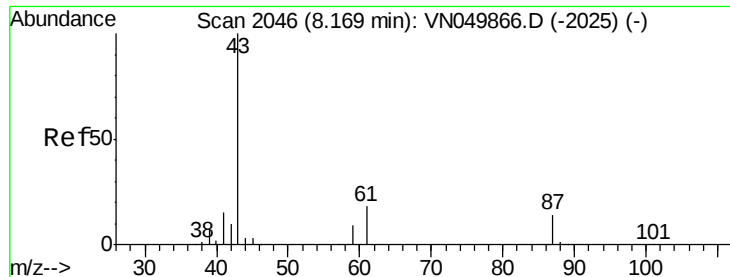
#42
1,2-Dichloroethane
Concen: 50.75 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 62 Resp: 464301
Ion Ratio Lower Upper
62 100
98 9.2 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: 53.76 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

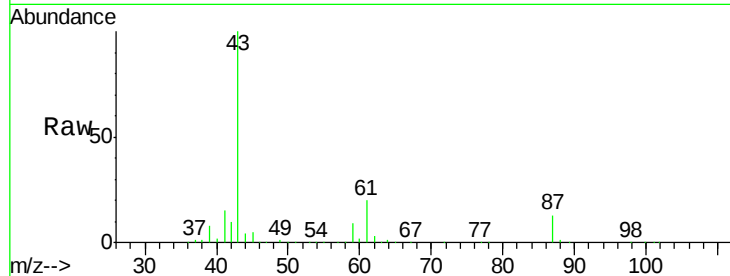
Tot Ion: 43 Resp: 584521

Ion Ratio Lower Upper

43 100

61 19.5 14.9 22.3

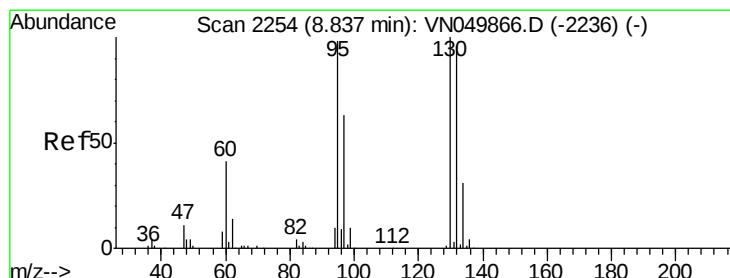
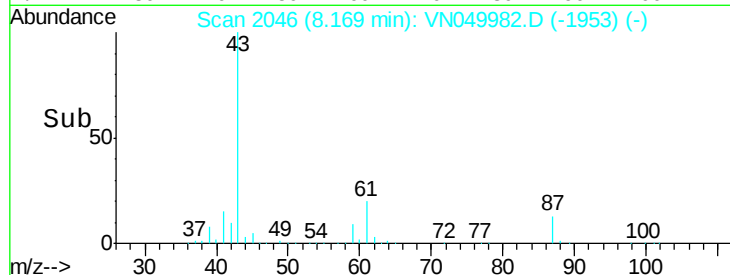
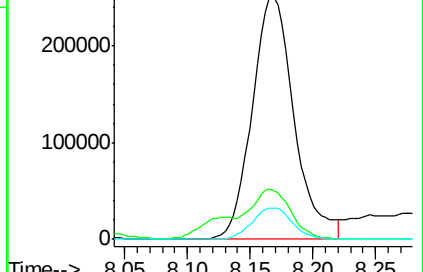
87 12.4 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049982.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049982.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049982.D (-1953) (-)



#44

Trichloroethene

Concen: 47.45 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049982.D

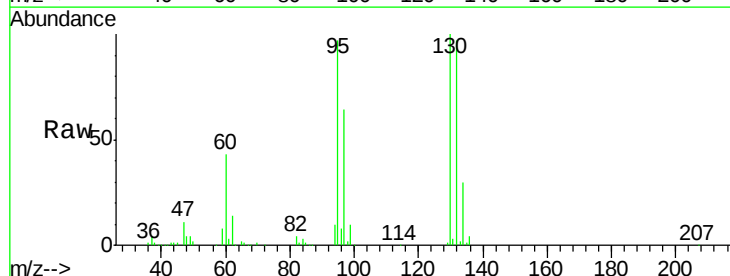
Acq: 21 Jul 2018 1:21

Tgt Ion: 130 Resp: 343709

Ion Ratio Lower Upper

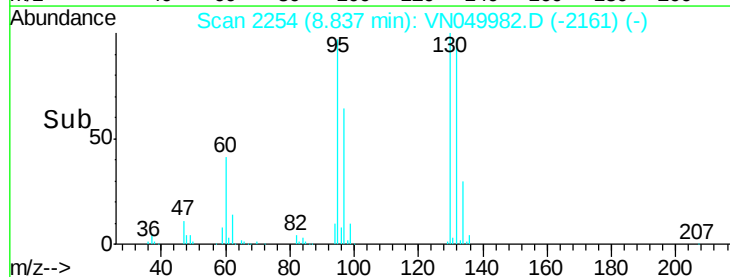
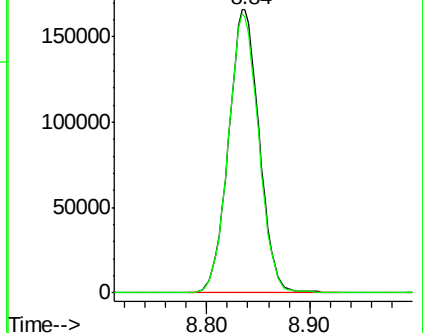
130 100

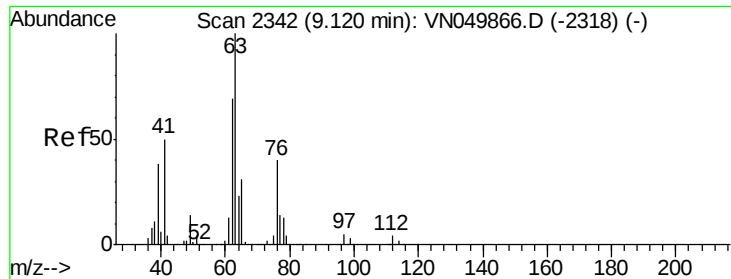
95 97.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049982.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049982.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 50.78 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

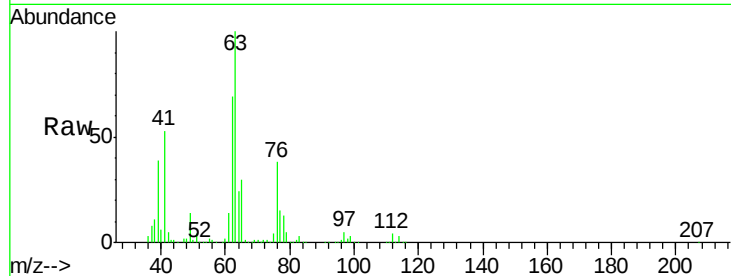
VSTDCCC050

Tot Ion: 63 Resp: 378372

Ion Ratio Lower Upper

63 100

65 30.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN049982.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049982.D (-2249) (-)

9.12

200000

150000

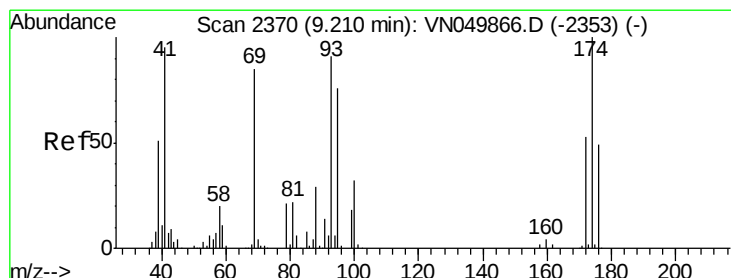
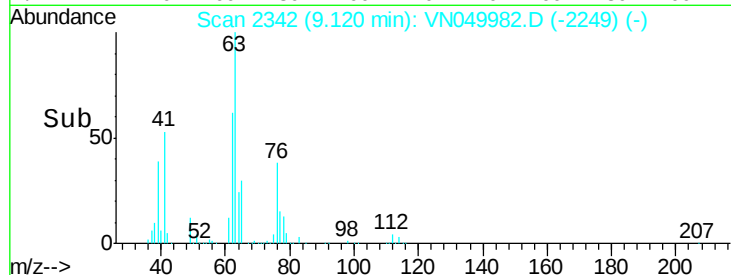
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 49.91 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

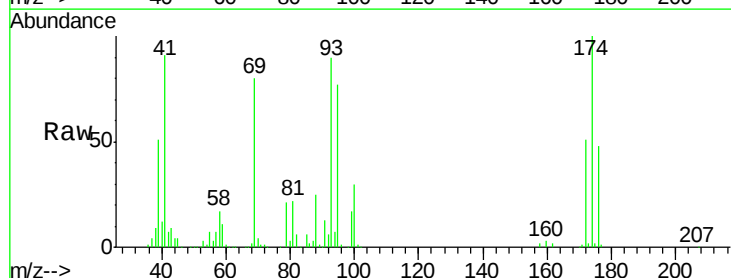
Tgt Ion: 93 Resp: 230666

Ion Ratio Lower Upper

93 100

95 85.1 67.9 101.9

174 109.4 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049982.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049982.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049982.D (-2277) (-)

9.21

150000

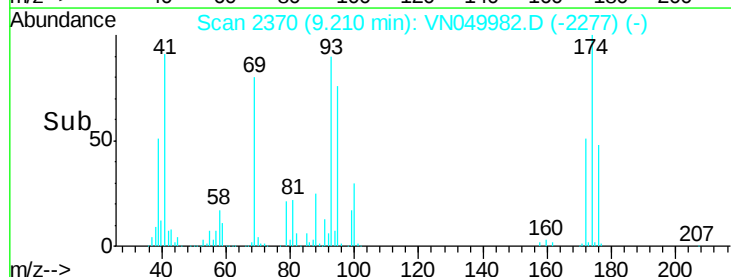
100000

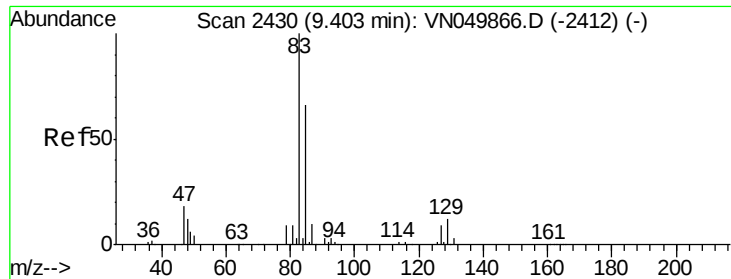
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->

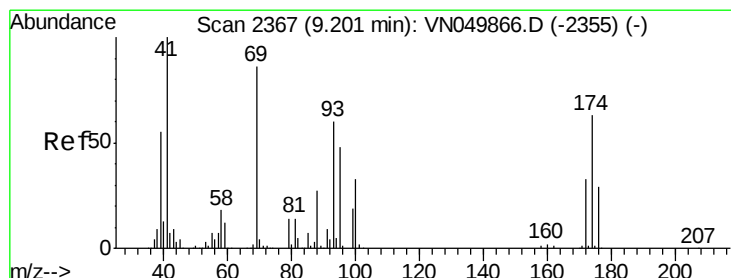
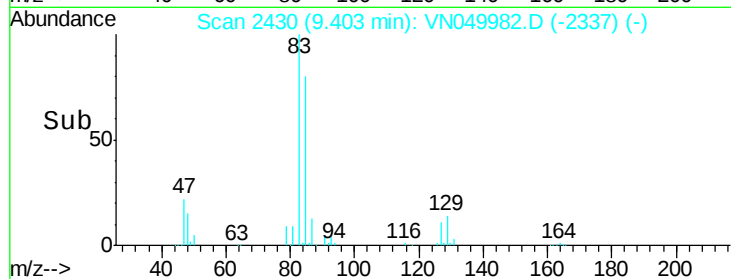
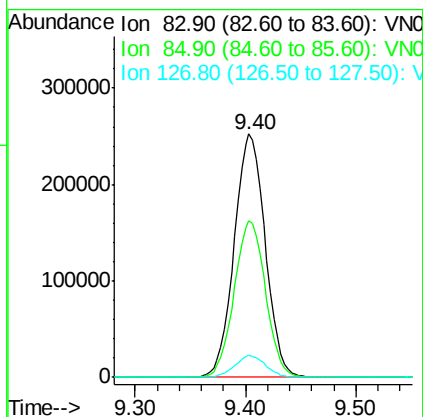
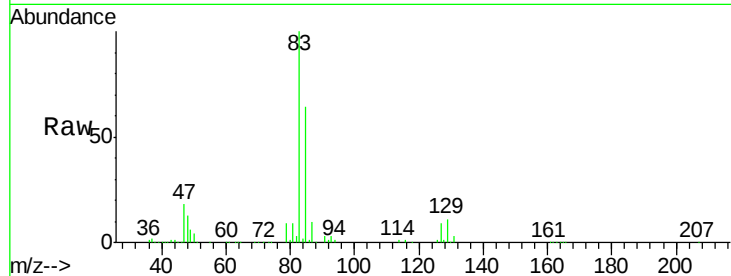




#47
Bromodichloromethane
Concen: 51.41 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

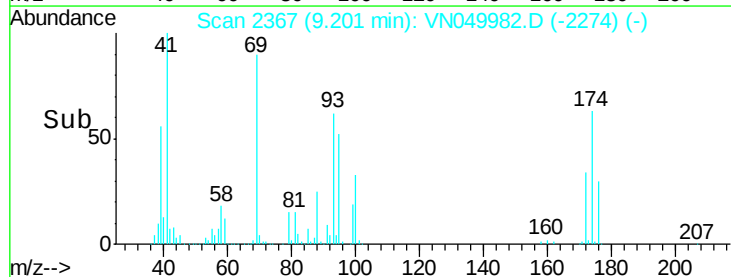
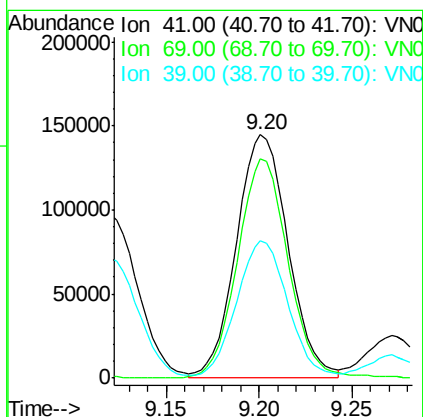
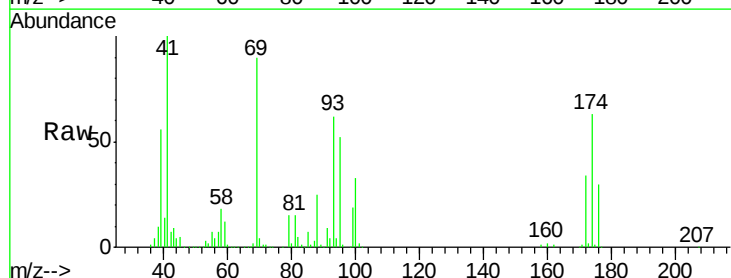
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

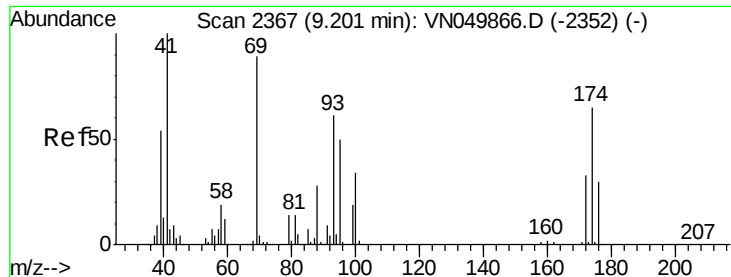
Tot Ion: 83 Resp: 491311
Ion Ratio Lower Upper
83 100
85 64.4 50.5 75.7
127 8.9 6.8 10.2



#48
Methyl methacrylate
Concen: 51.22 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 41 Resp: 279367
Ion Ratio Lower Upper
41 100
69 88.5 71.5 107.3
39 56.0 44.7 67.1

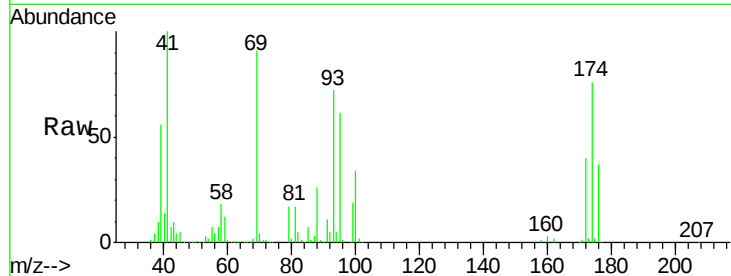




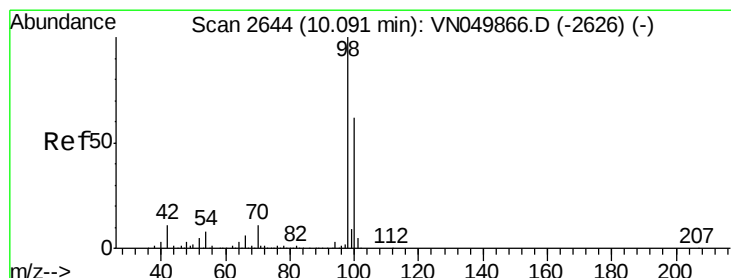
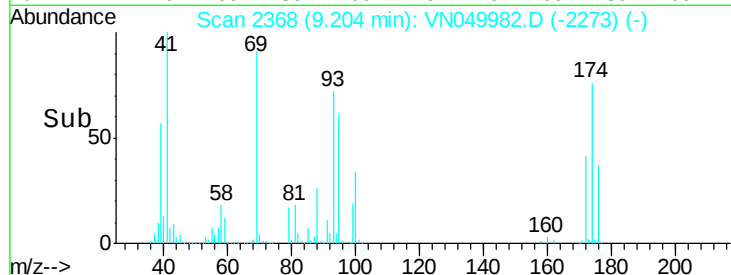
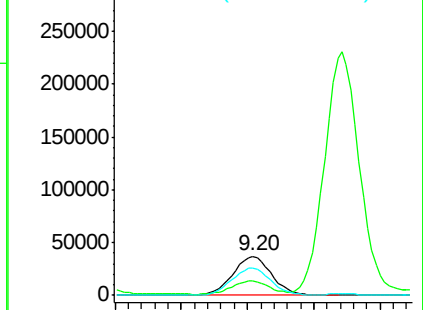
#49
1,4-Dioxane
Concen: 973.99 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 75358
Ion Ratio Lower Upper
88 100
43 32.5 25.1 37.7
58 70.1 52.5 78.7

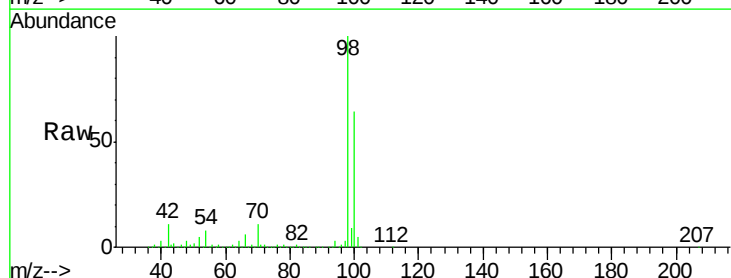


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

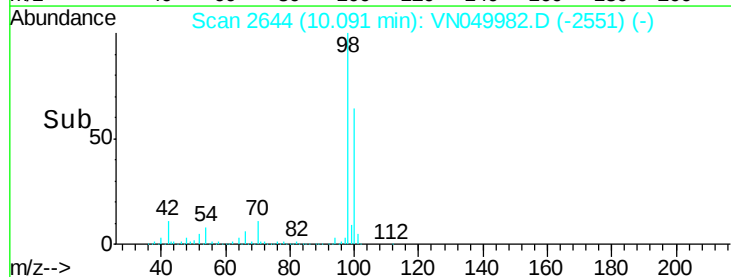
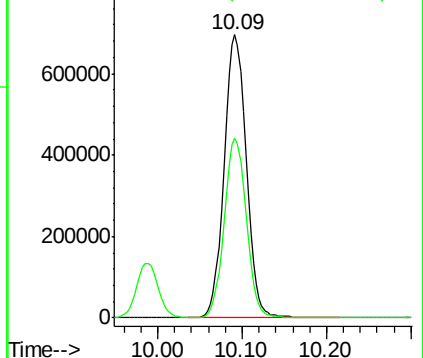


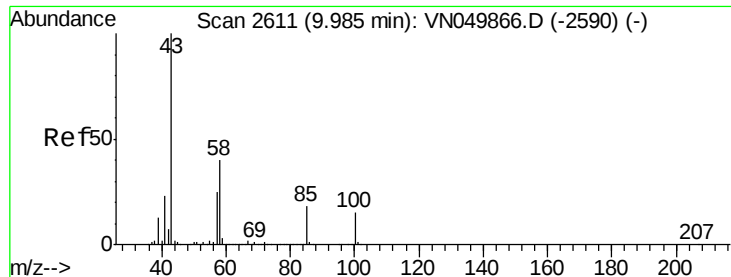
#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 98 Resp: 1273491
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



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

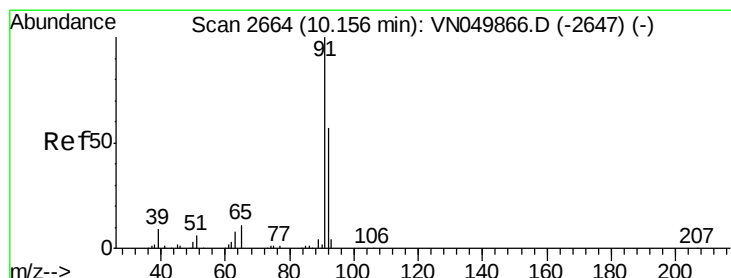
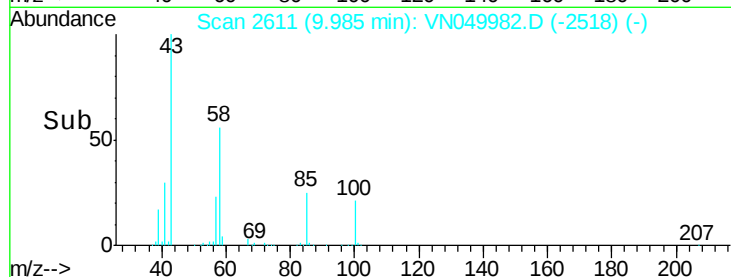
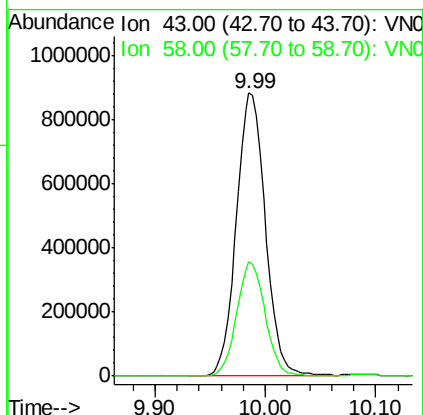
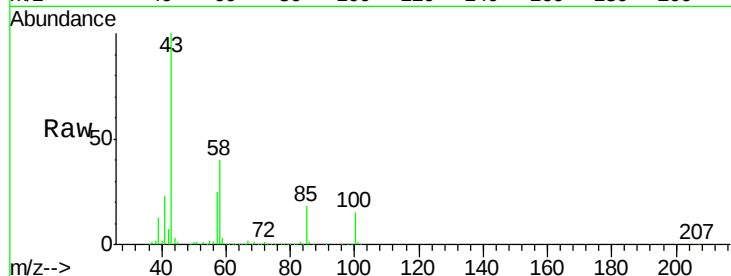




#51
 4-Methyl-2-Pentanone
 Concen: 265.08 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

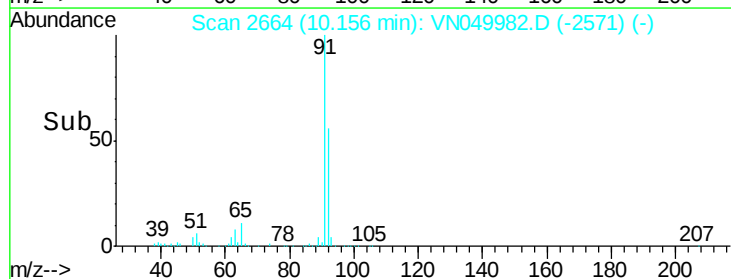
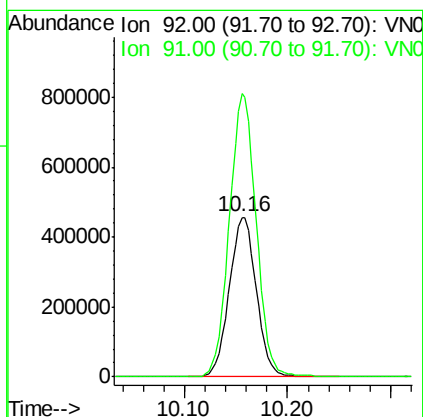
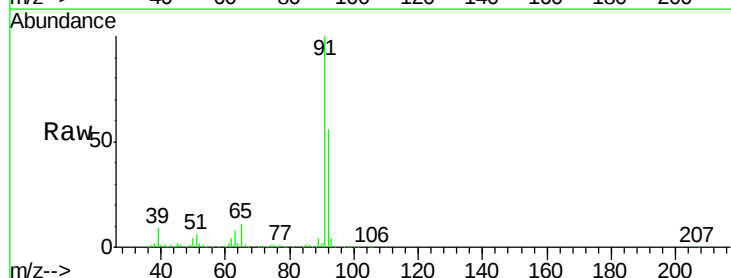
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

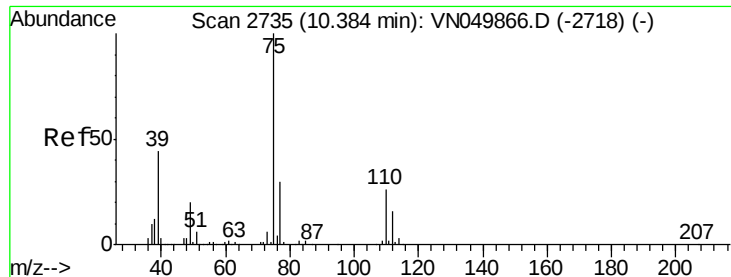
Tot Ion: 43 Resp: 1611164
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.8



#52
 Toluene
 Concen: 50.74 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 92 Resp: 836011
 Ion Ratio Lower Upper
 92 100
 91 175.8 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 50.31 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

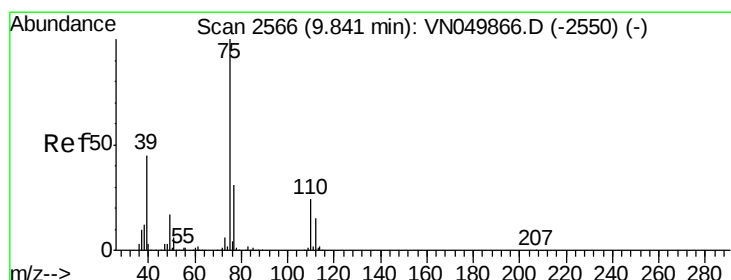
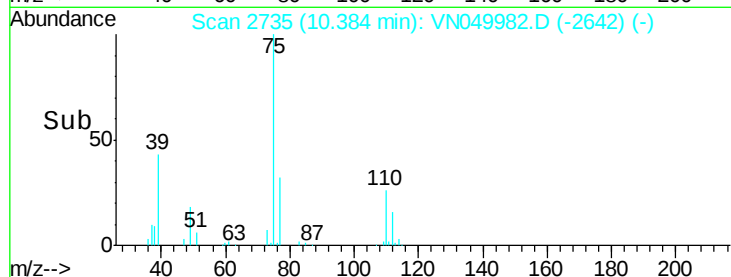
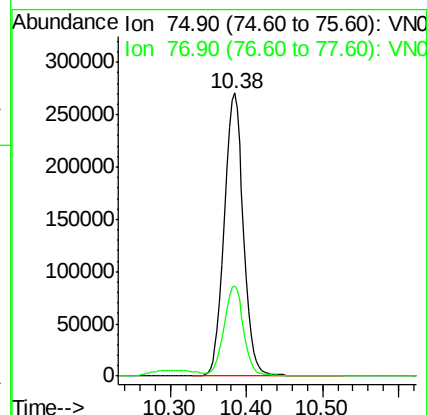
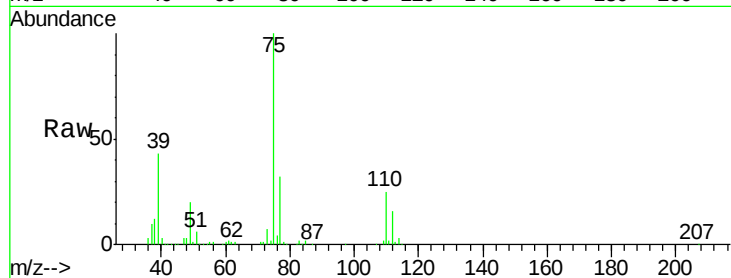
VSTDCCC050

Tot Ion: 75 Resp: 475459

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 50.97 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

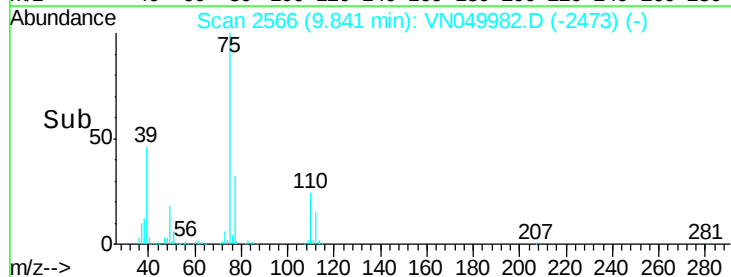
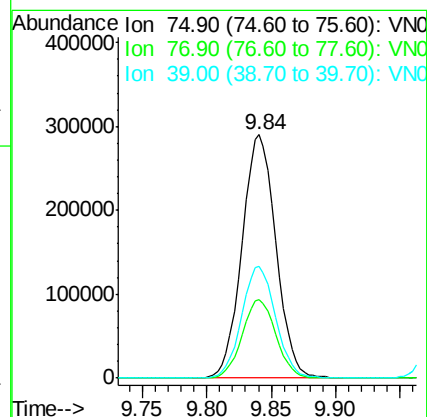
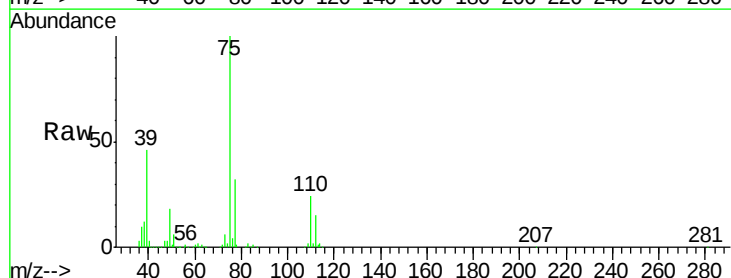
Tgt Ion: 75 Resp: 532333

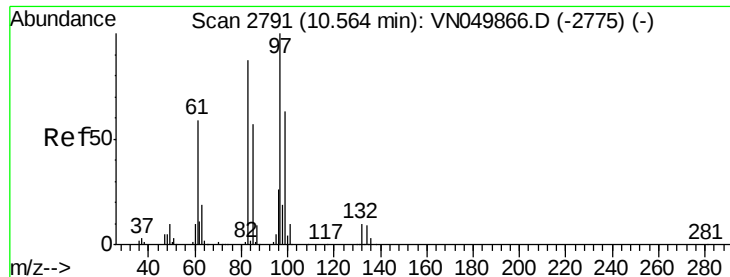
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 45.8 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 49.82 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

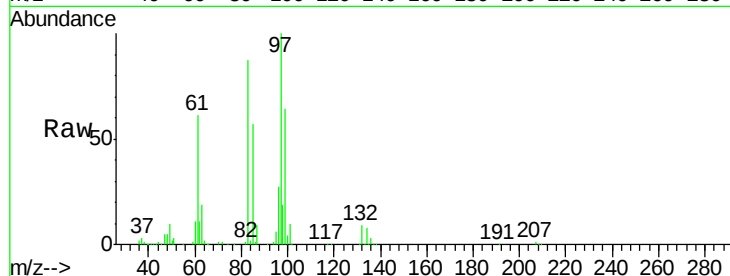
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 339107

Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.0	103.6
85	56.7	44.9	67.3
99	63.6	49.8	74.6

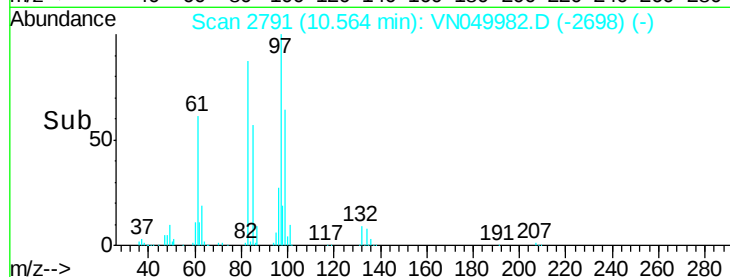


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->

10.56

150000

100000

50000

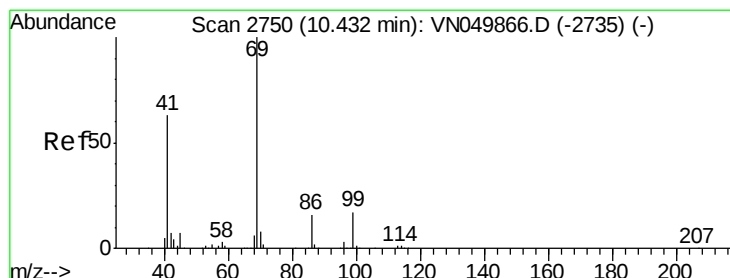
0

10.50 10.55 10.60

0

0

0



#56

Ethyl methacrylate

Concen: 47.30 ug/l

RT: 10.43 min Scan# 2750

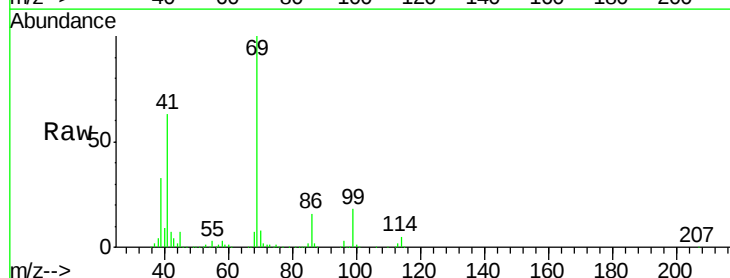
Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Tgt Ion: 69 Resp: 431208

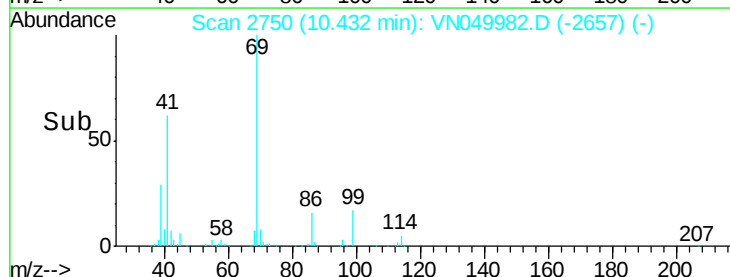
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.6	77.4
39	32.9	25.8	38.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

10.43

300000

200000

100000

0

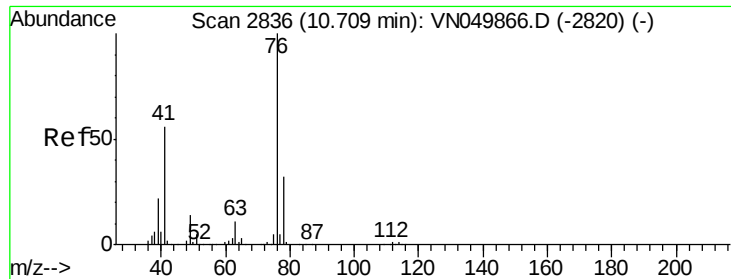
0

0

0

0

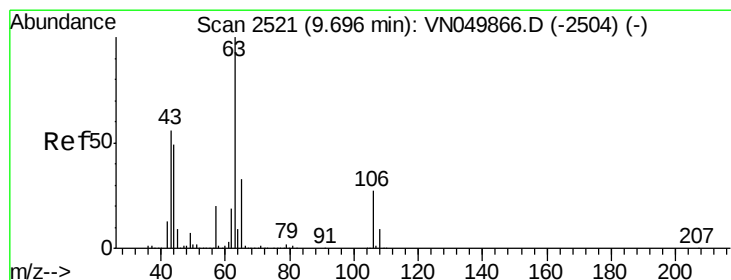
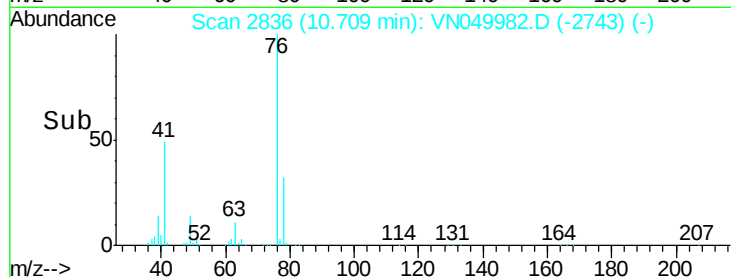
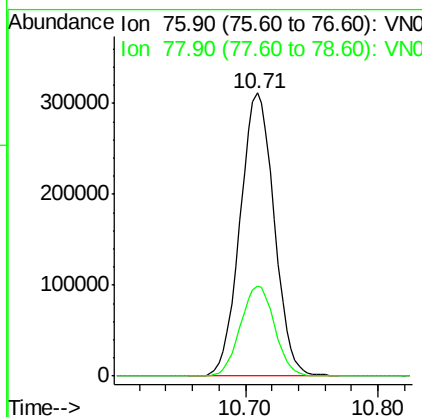
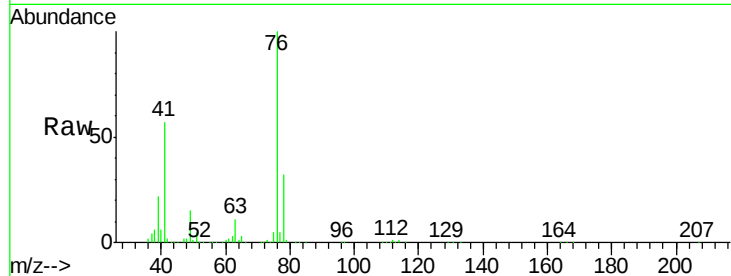
0



#57
 1,3-Dichloropropane
 Concen: 51.88 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

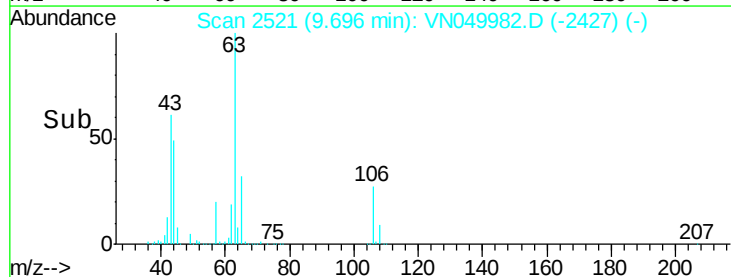
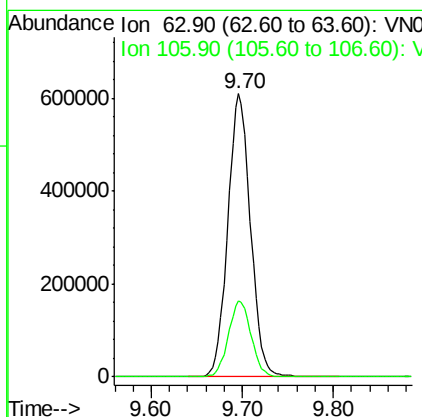
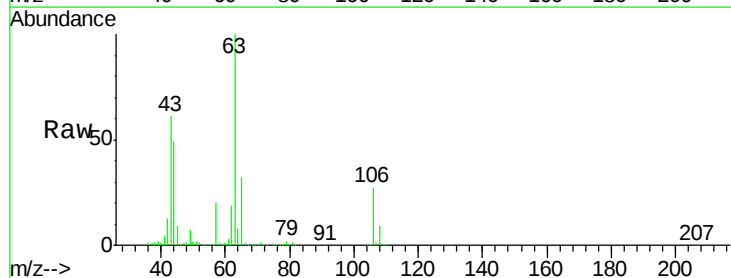
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

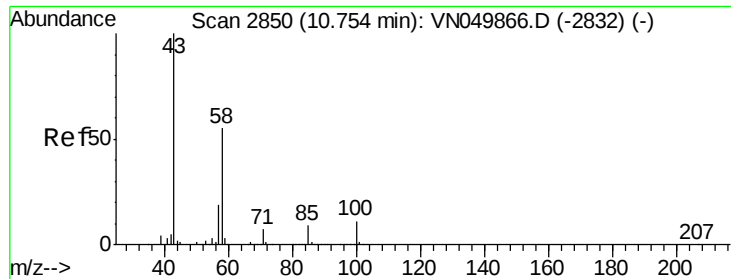
Tot Ion: 76 Resp: 556135
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.35 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 63 Resp: 1053649
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.8

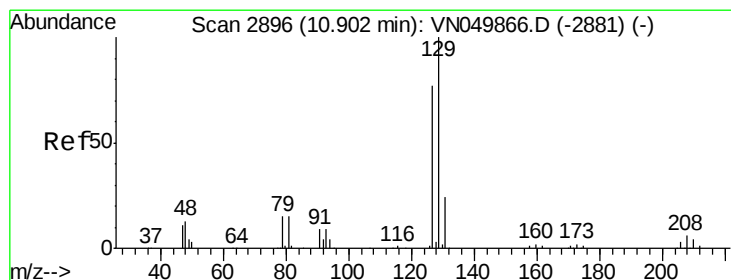
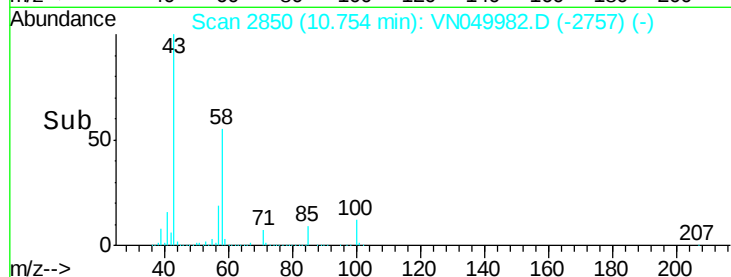
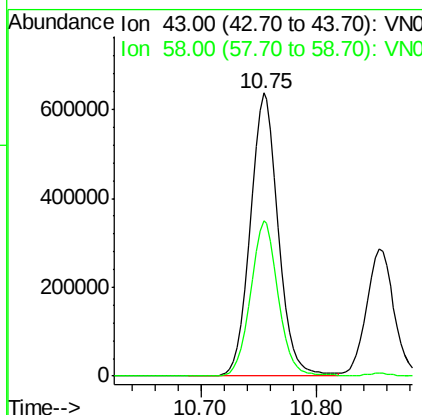
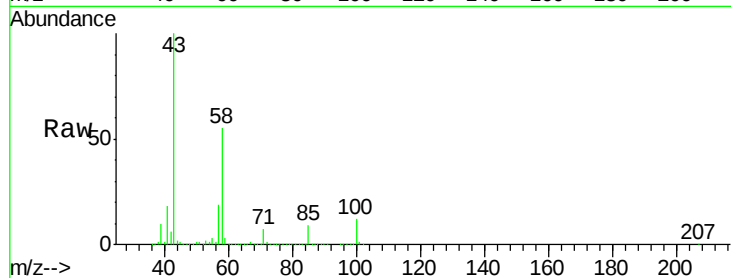




#59
2-Hexanone
Concen: 262.30 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

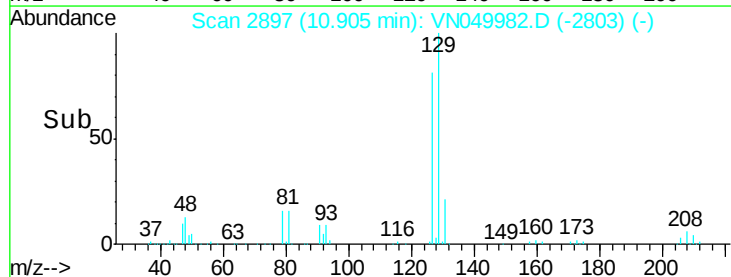
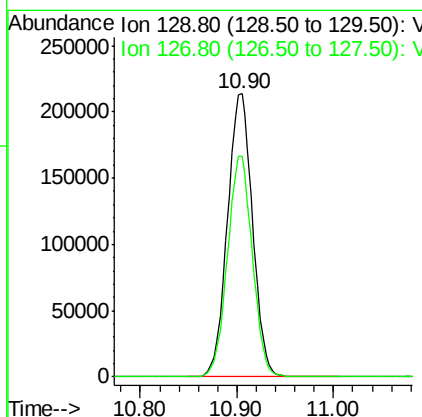
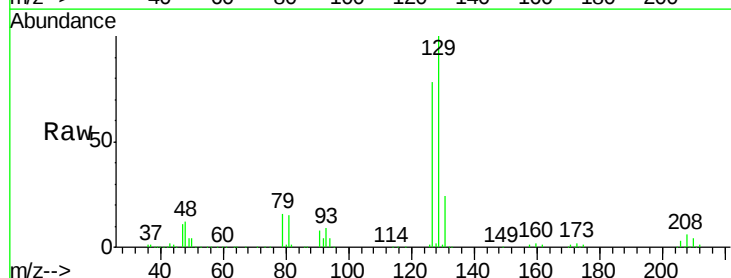
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

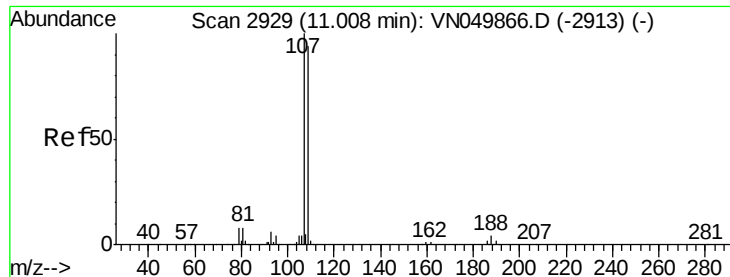
Tot Ion: 43 Resp: 1070835
Ion Ratio Lower Upper
43 100
58 54.6 27.8 83.4



#60
Dibromochloromethane
Concen: 51.54 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 129 Resp: 384727
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

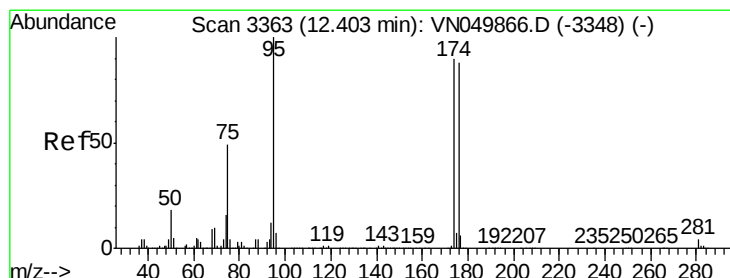
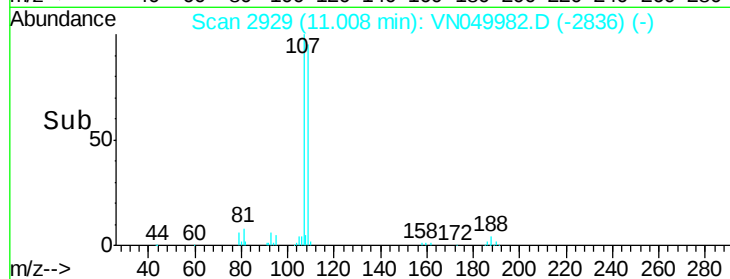
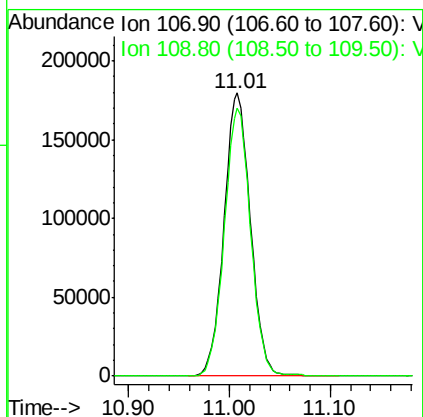
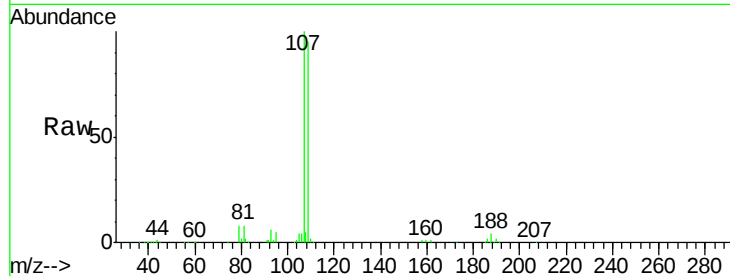




#61
 1,2-Dibromoethane
 Concen: 51.58 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

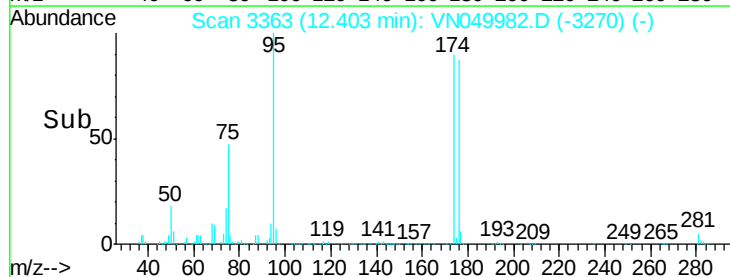
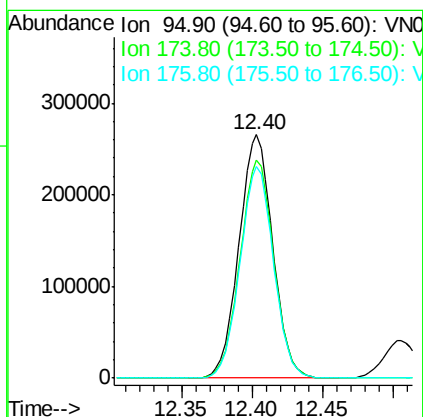
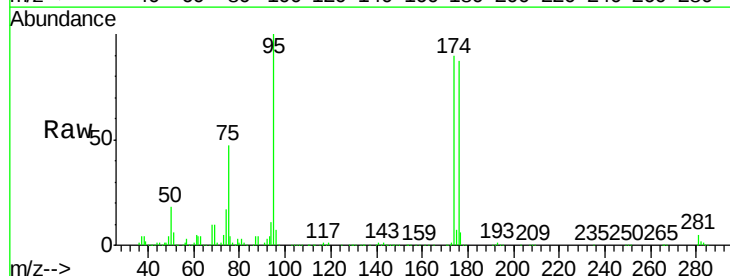
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

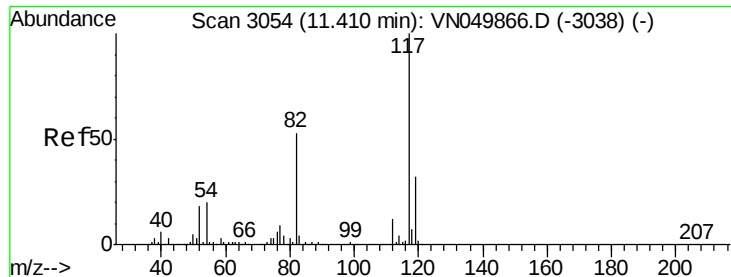
Tot Ion: 107 Resp: 328059
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.69 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion: 95 Resp: 443800
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 179.6
 176 86.6 0.0 174.0

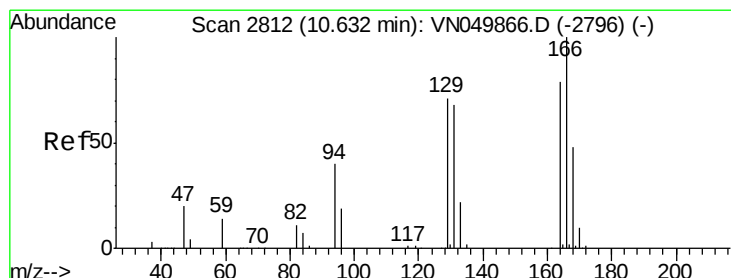
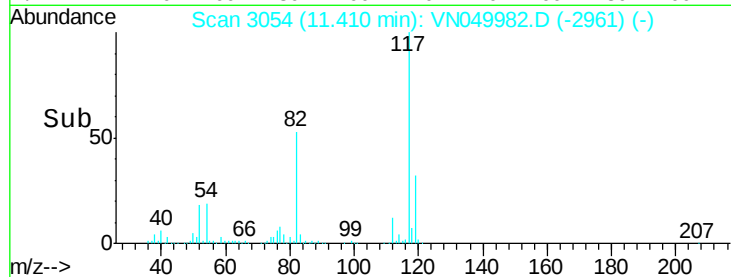
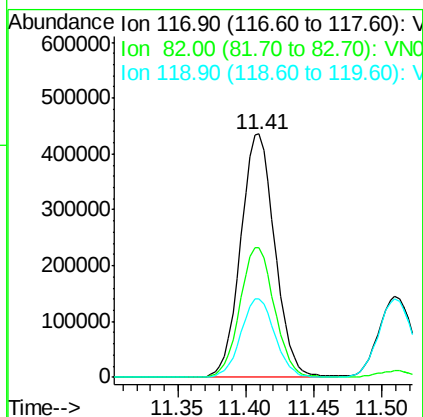
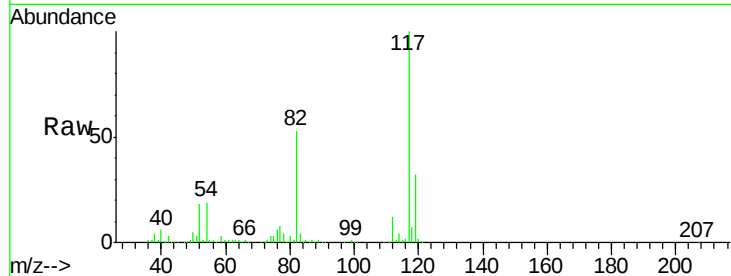




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

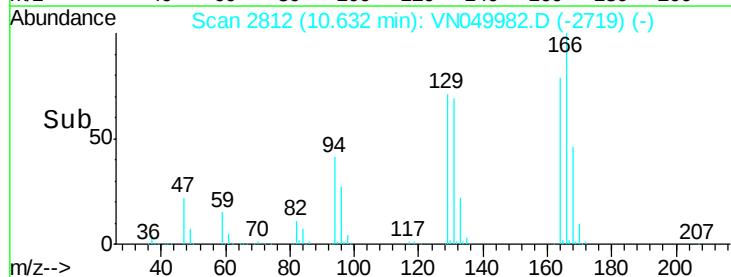
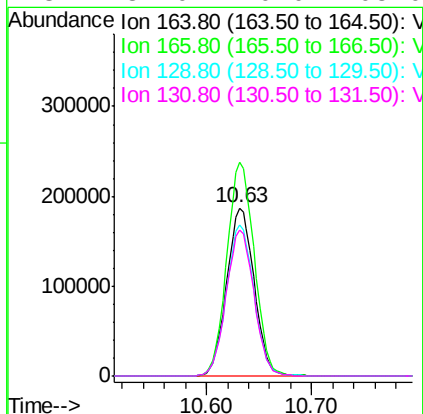
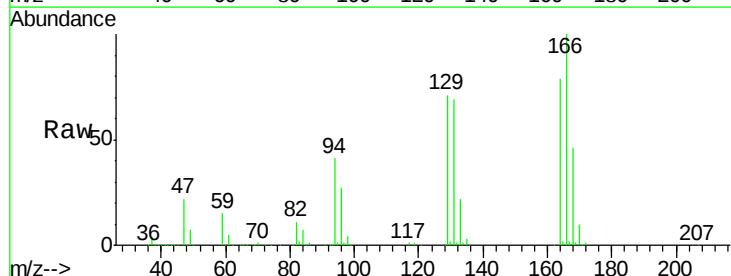
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

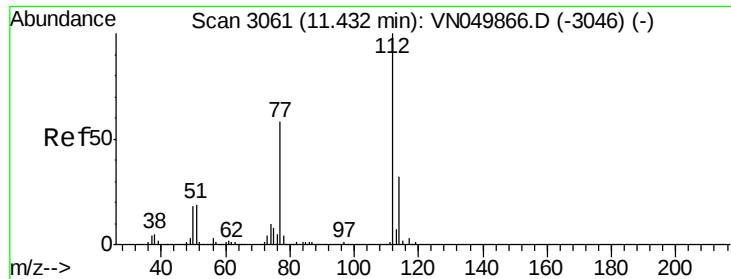
Tot Ion:117 Resp: 757907
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 49.36 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion:164 Resp: 336197
Ion Ratio Lower Upper
164 100
166 127.2 101.8 152.6
129 90.1 72.8 109.2
131 87.0 70.0 105.0

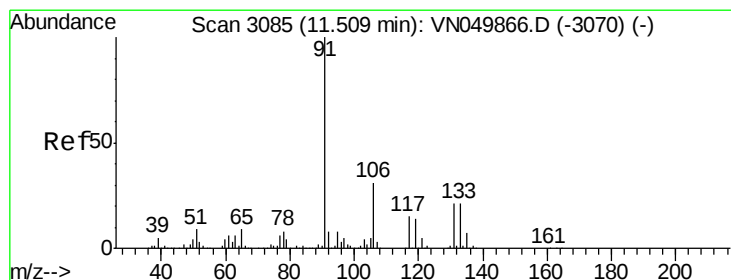
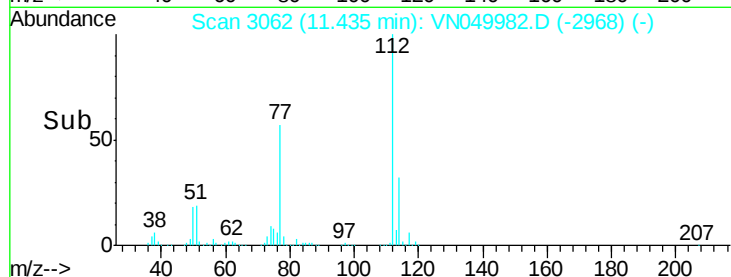
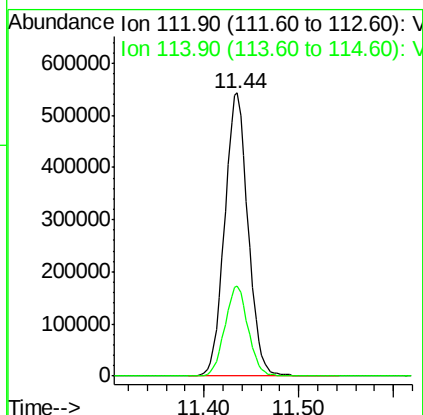
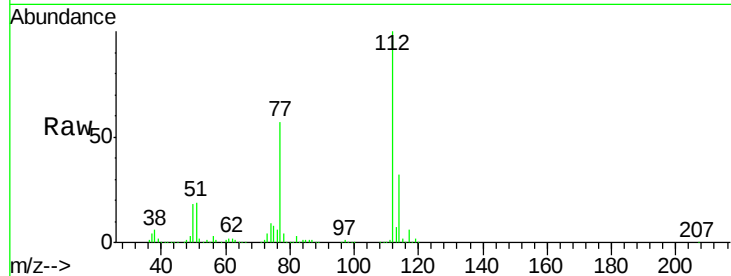




#65
Chlorobenzene
Concen: 48.94 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

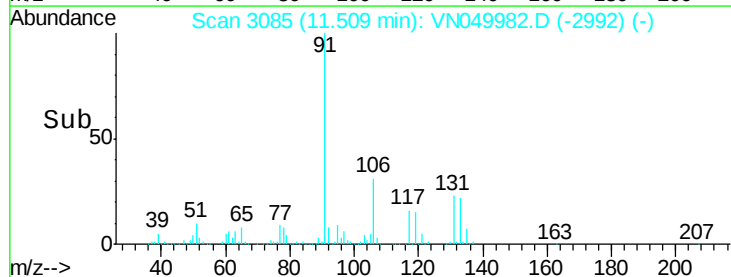
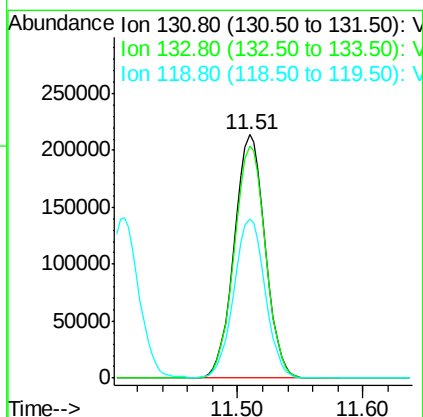
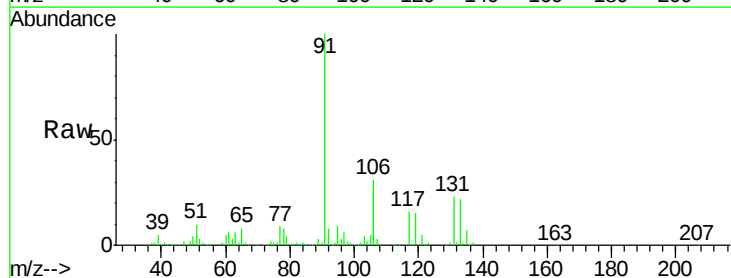
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

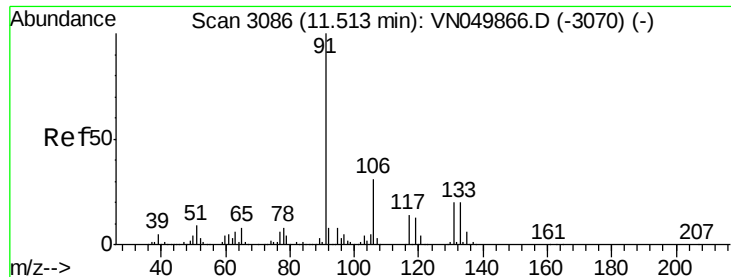
Tot Ion:112 Resp: 932011
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.60 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion:131 Resp: 365816
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 50.53 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

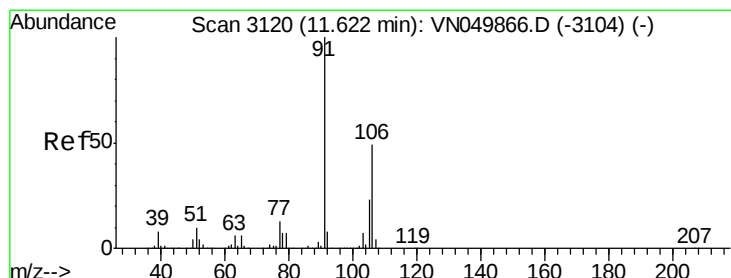
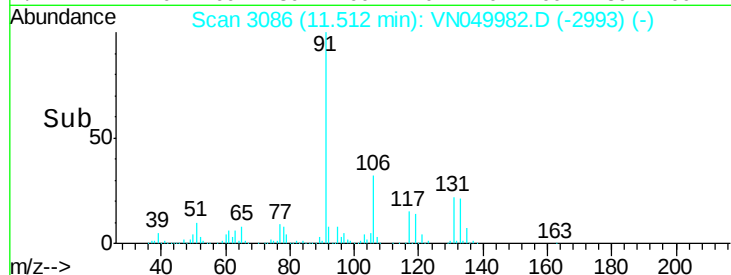
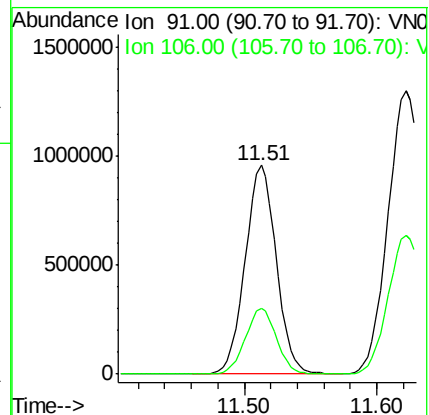
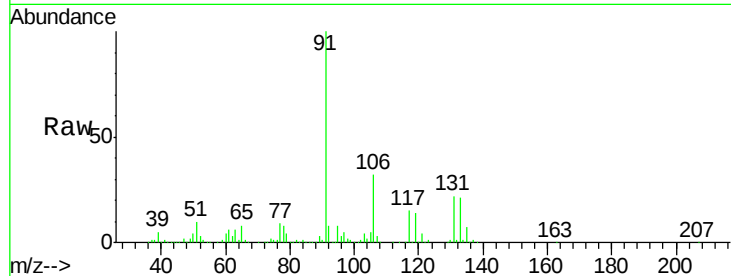
VSTDCCC050

Tot Ion: 91 Resp: 1561079

Ion Ratio Lower Upper

91 100

106 31.5 24.8 37.2



#68

m/p-Xylenes

Concen: 103.63 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049982.D

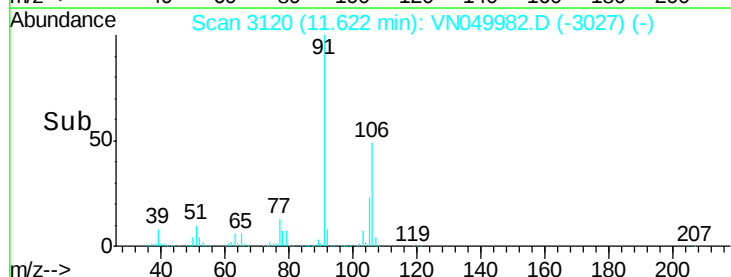
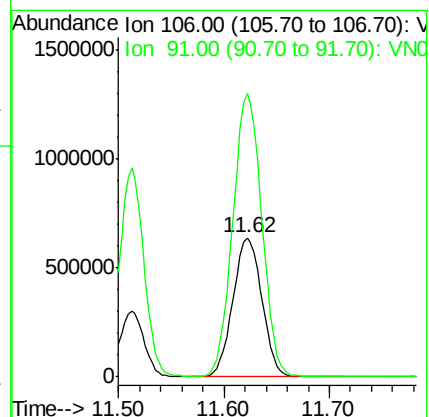
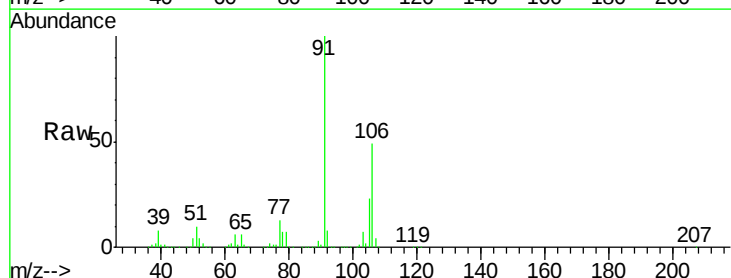
Acq: 21 Jul 2018 1:21

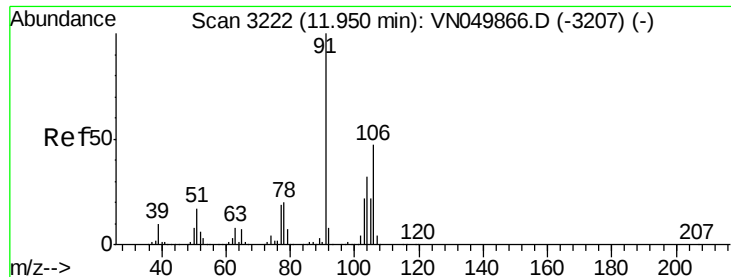
Tgt Ion: 106 Resp: 1211818

Ion Ratio Lower Upper

106 100

91 203.5 163.4 245.2

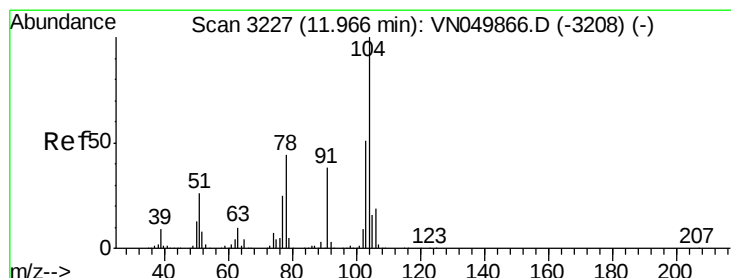
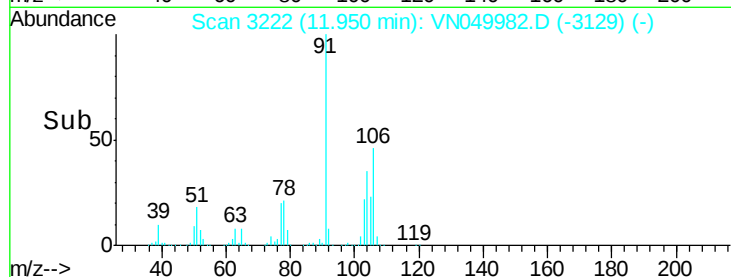
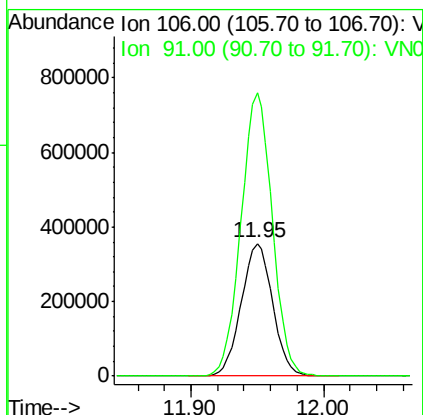
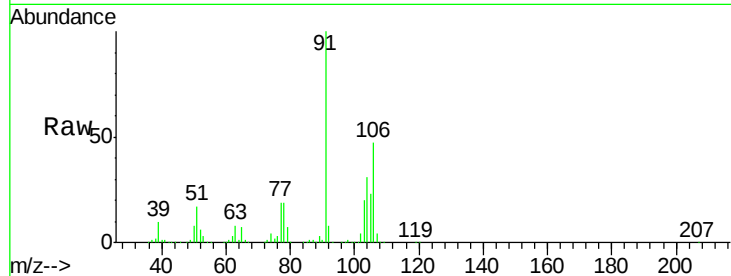




#69
o-Xylene
Concen: 52.09 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

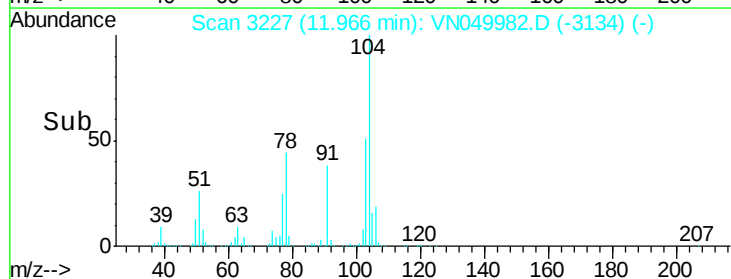
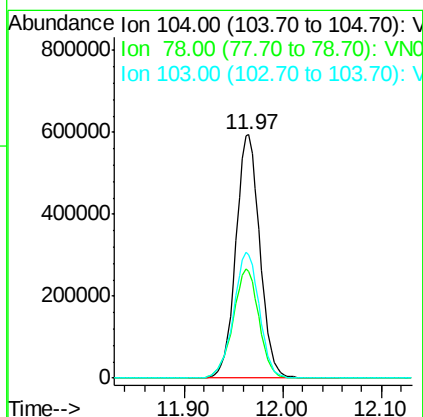
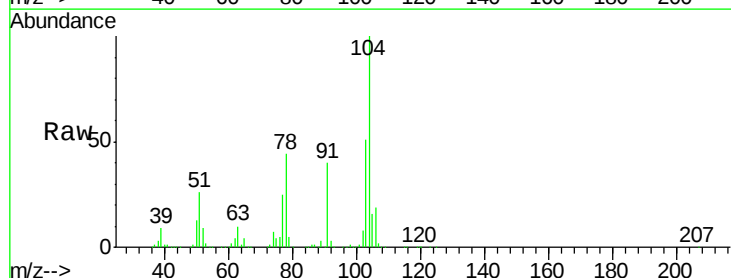
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

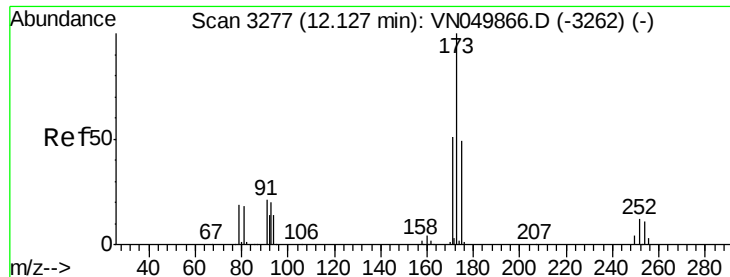
Tot Ion:106 Resp: 585046
Ion Ratio Lower Upper
106 100
91 212.4 108.7 326.1



#70
Styrene
Concen: 54.98 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion:104 Resp: 1000246
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 55.9 44.6 67.0

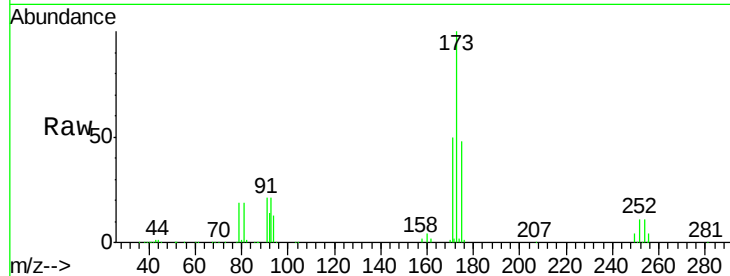




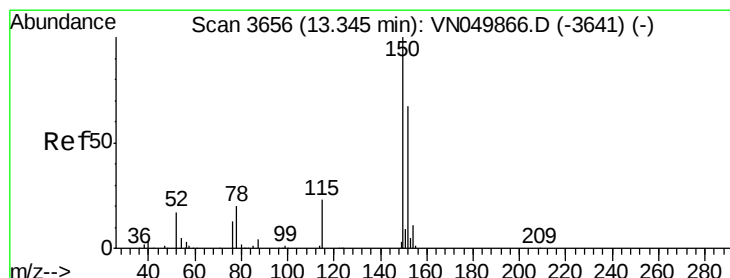
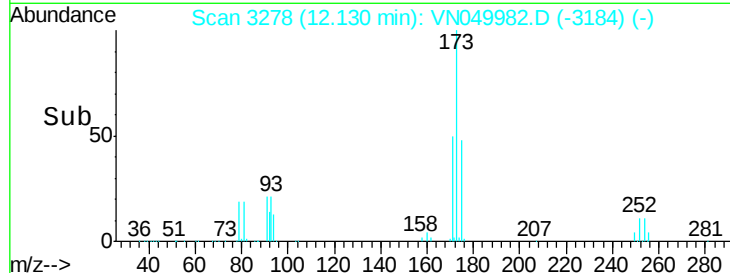
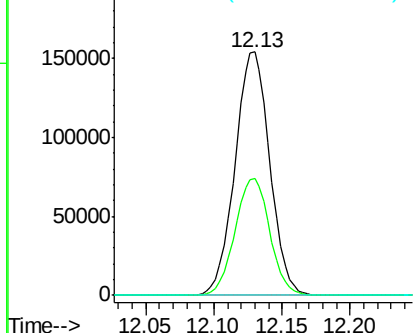
#71
Bromoform
Concen: 51.58 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 272141
Ion Ratio Lower Upper
173 100
175 48.0 24.6 73.8
254 0.2 0.2 0.2

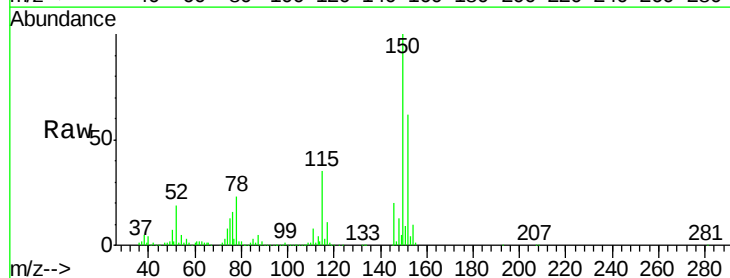


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

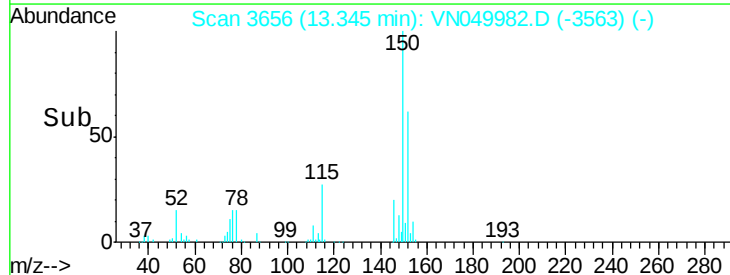
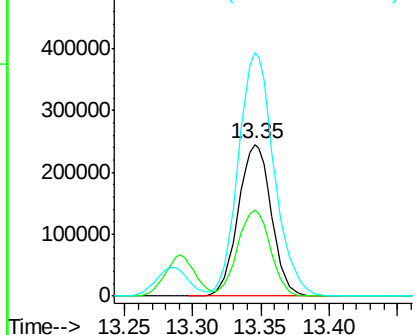


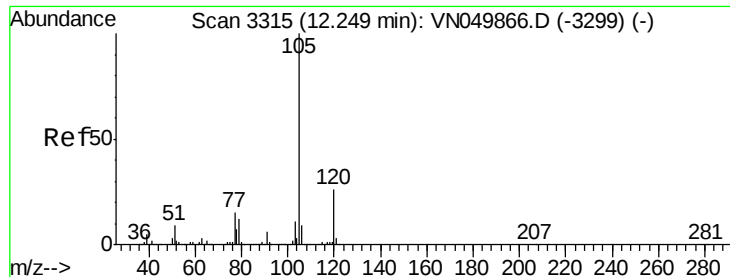
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion:152 Resp: 411033
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 174.3 0.0 347.6



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





#73

Isopropylbenzene

Concen: 49.79 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

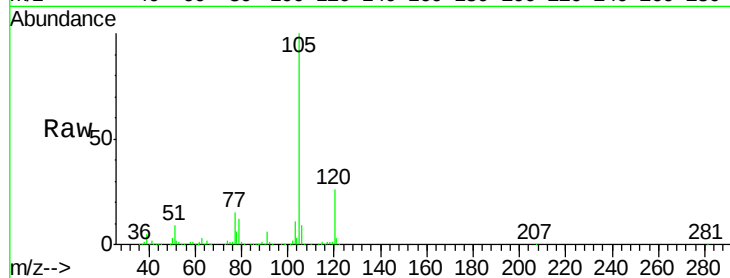
VSTDCCC050

Tot Ion:105 Resp: 1554514

Ion Ratio Lower Upper

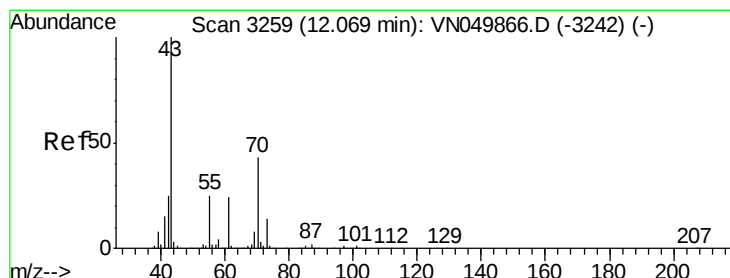
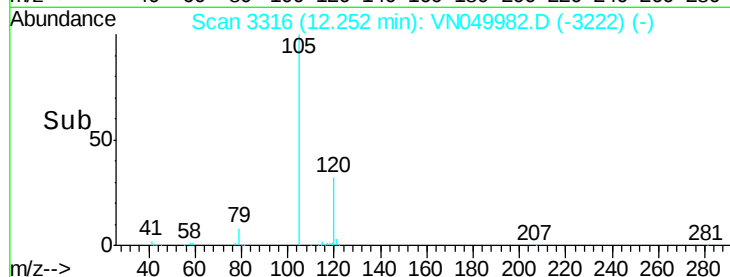
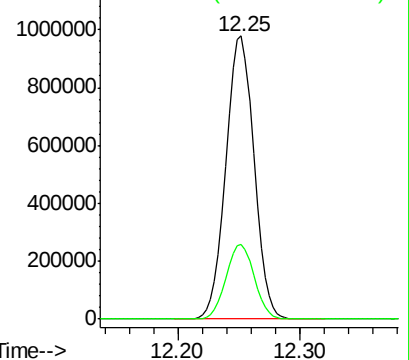
105 100

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: 51.40 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Tgt Ion: 43 Resp: 488499

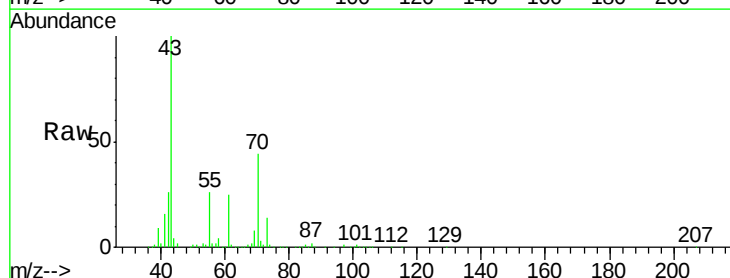
Ion Ratio Lower Upper

43 100

70 43.1 34.8 52.2

55 27.0 20.9 31.3

61 24.5 19.9 29.9

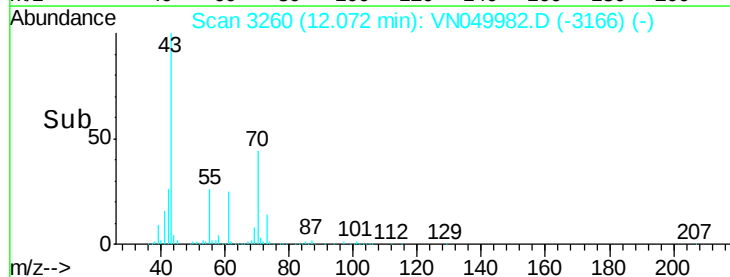
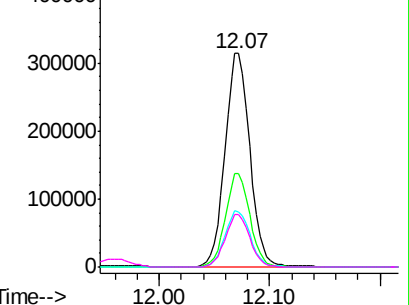


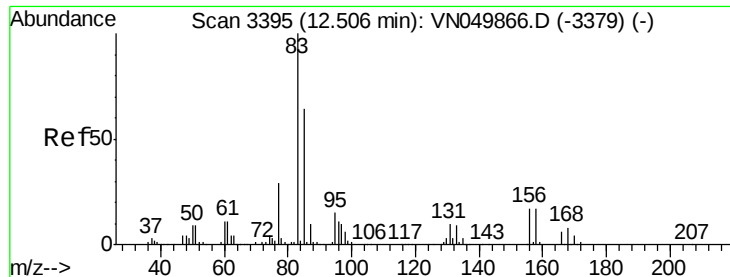
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.28 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

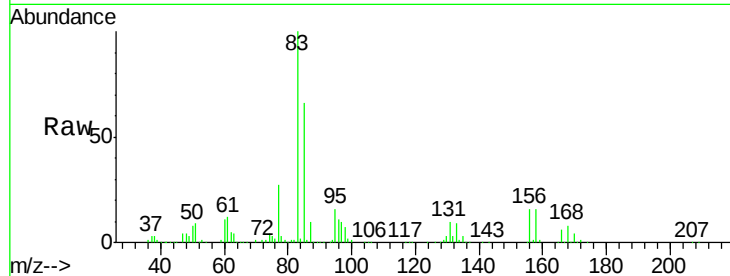
Tot Ion: 83 Resp: 432955

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 65.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049982.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049982.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049982.D (-3302) (-)

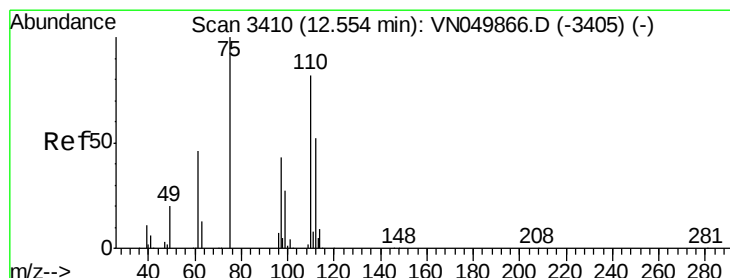
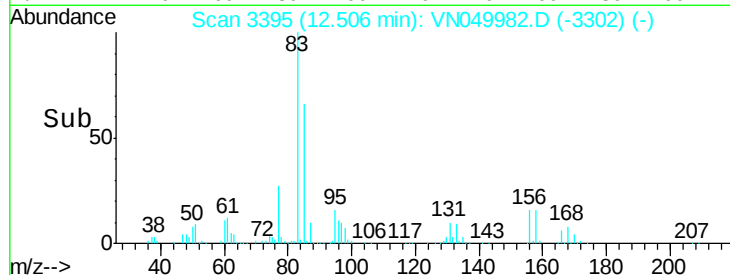
12.51

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.28 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049982.D

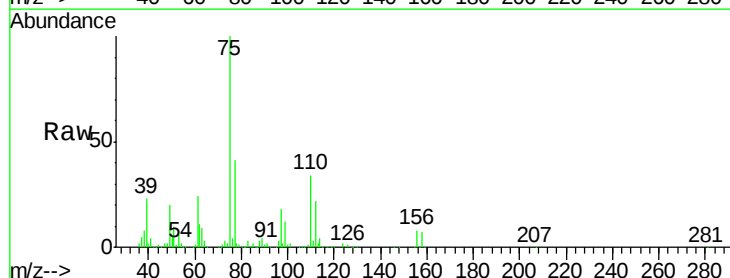
Acq: 21 Jul 2018 1:21

Tgt Ion: 75 Resp: 526461

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049982.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049982.D (-3317) (-)

12.55

400000

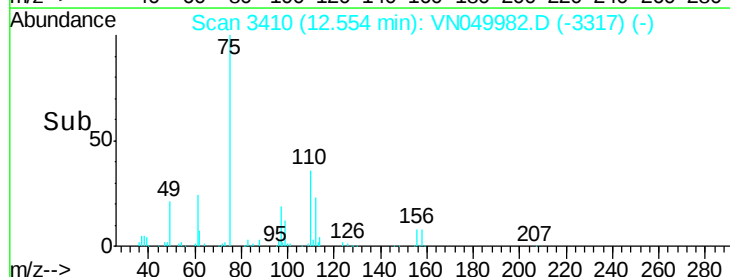
300000

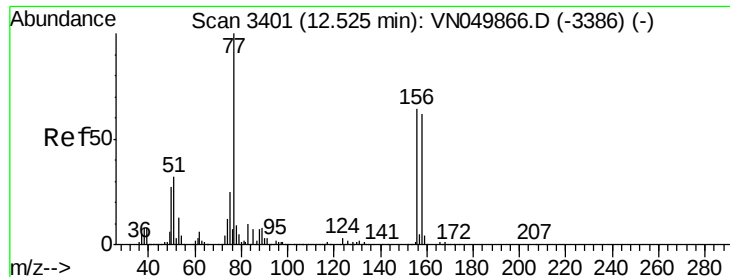
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 48.72 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

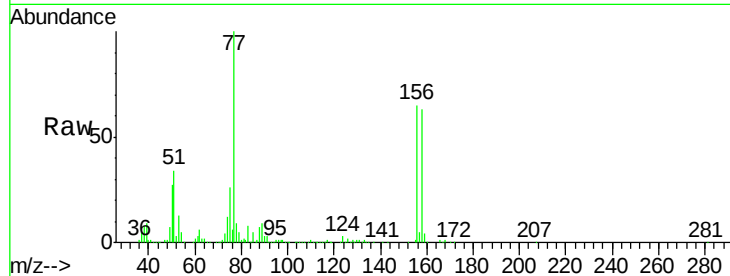
Tot Ion:156 Resp: 420010

Ion Ratio Lower Upper

156 100

77 183.5 90.2 270.6

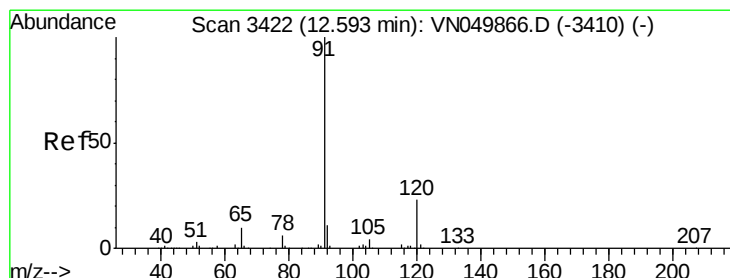
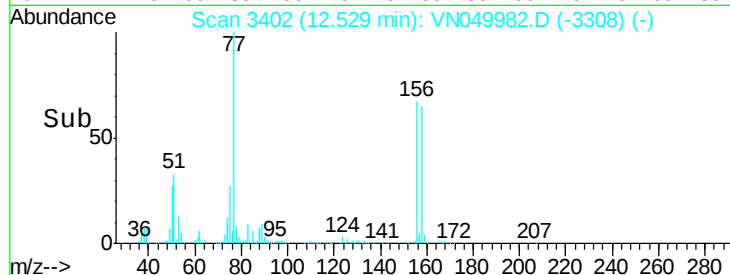
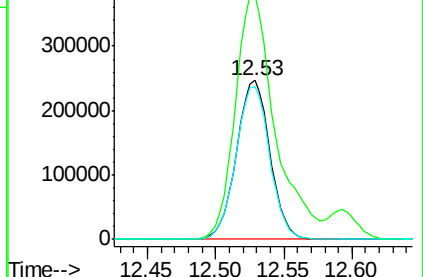
158 97.1 49.1 147.3



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: 50.96 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049982.D

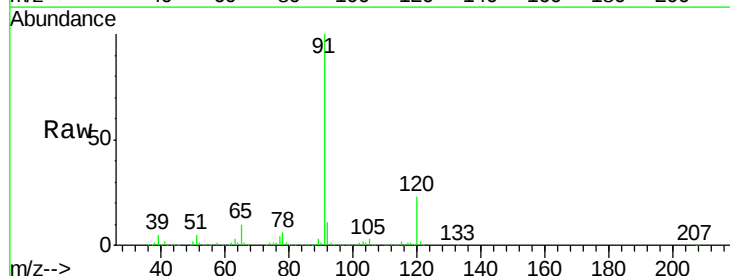
Acq: 21 Jul 2018 1:21

Tgt Ion: 91 Resp: 1808779

Ion Ratio Lower Upper

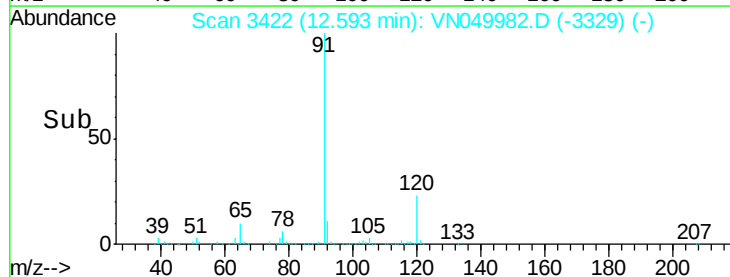
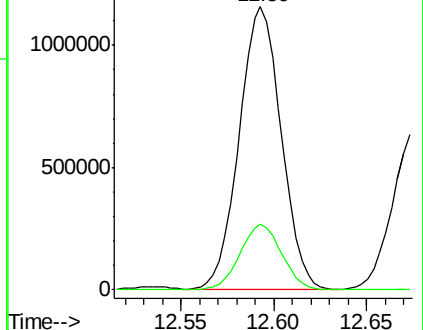
91 100

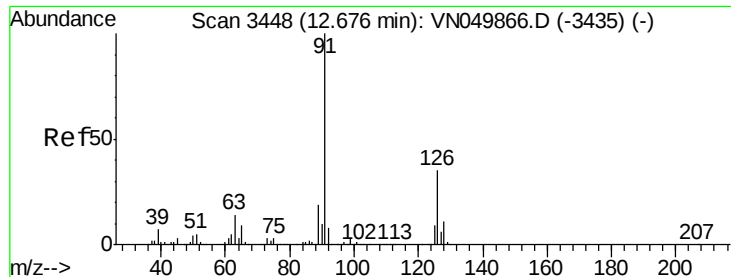
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

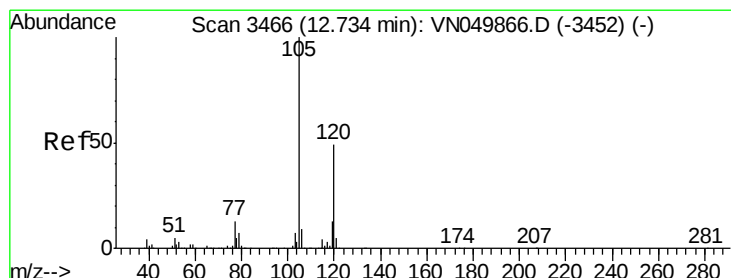
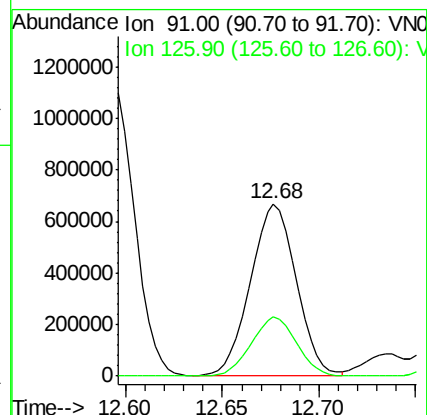
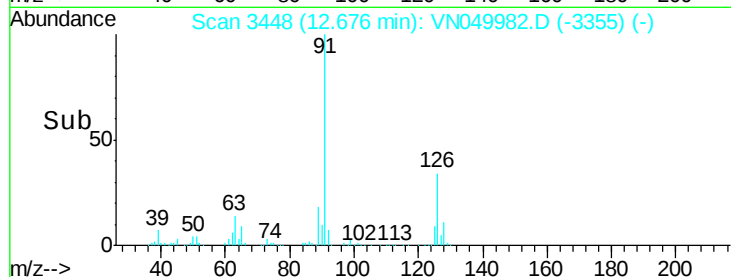
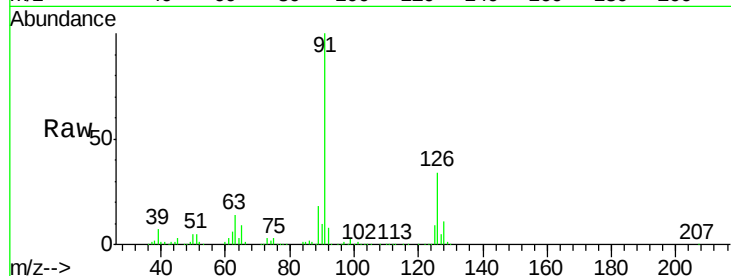
VSTDCCC050

Tot Ion: 91 Resp: 1096325

Ion Ratio Lower Upper

91 100

126 34.3 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 51.83 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049982.D

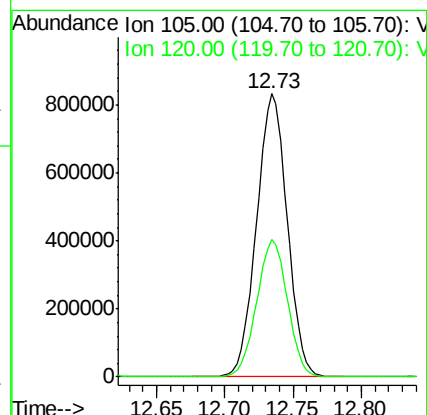
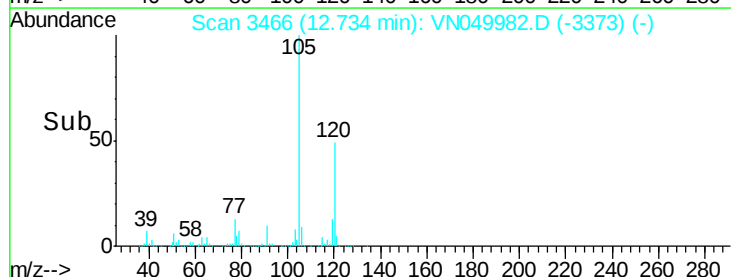
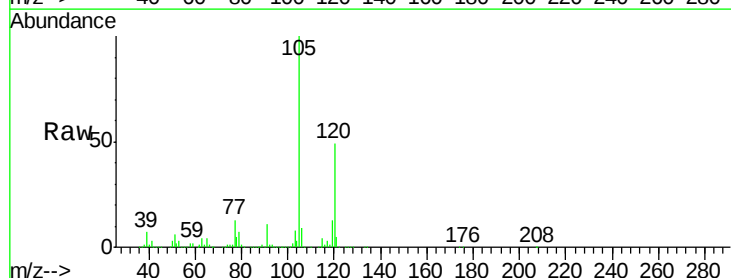
Acq: 21 Jul 2018 1:21

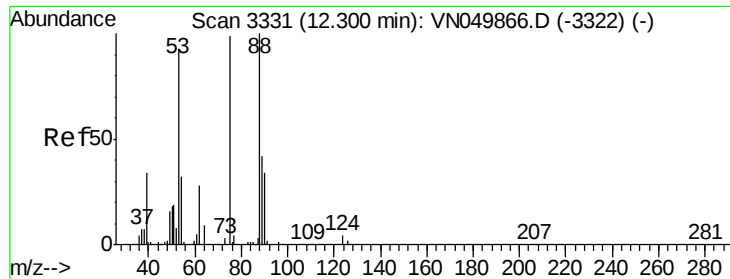
Tgt Ion: 105 Resp: 1297111

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8

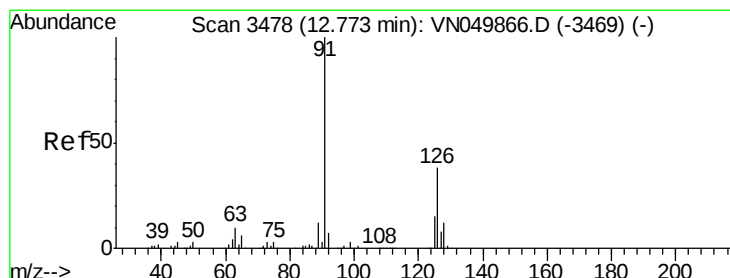
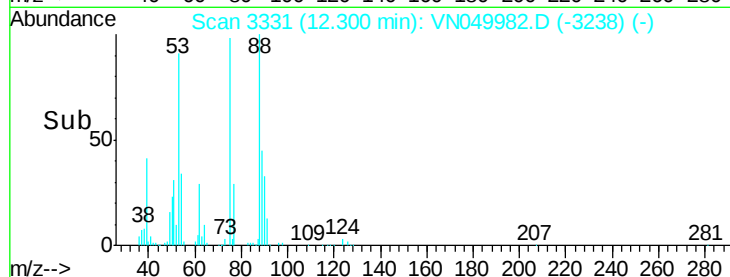
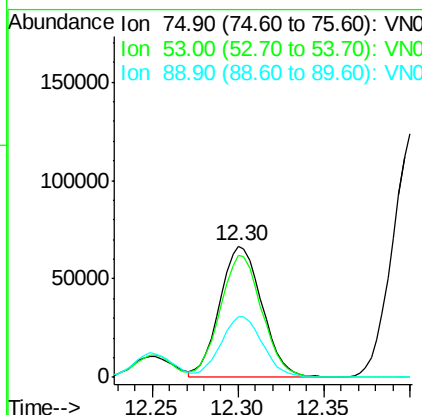
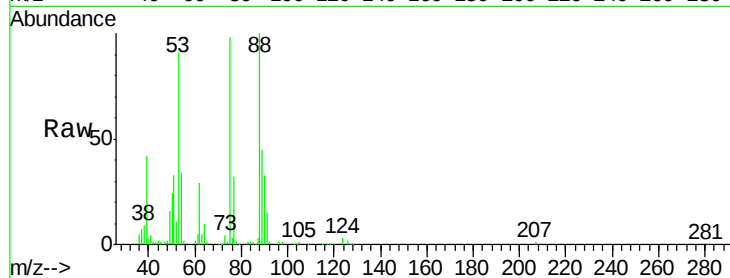




#81
trans-1,4-Dichloro-2-butene
Concen: 46.23 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

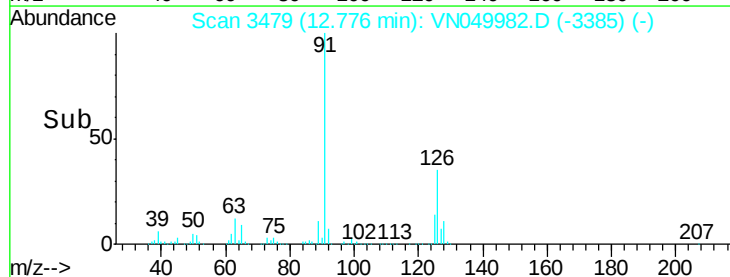
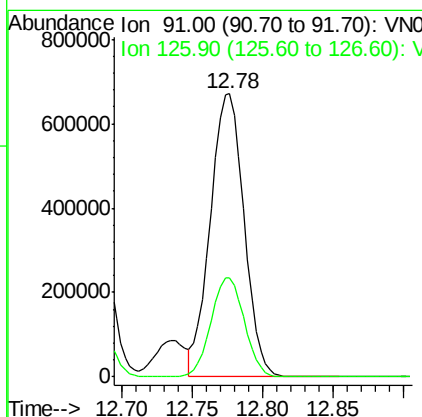
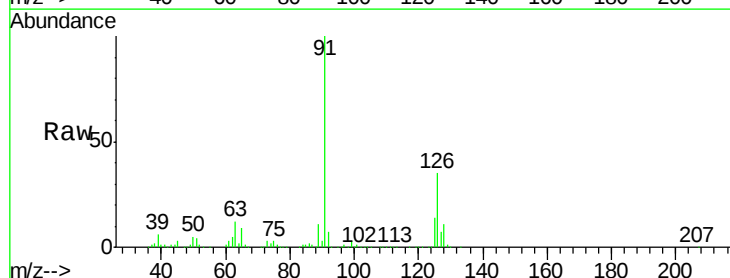
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

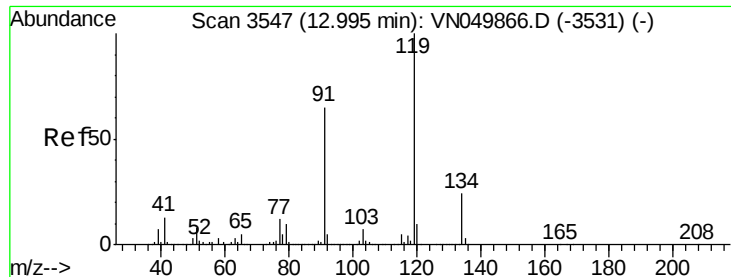
Tot Ion: 75 Resp: 113983
Ion Ratio Lower Upper
75 100
53 92.3 73.9 110.9
89 45.7 35.9 53.9



#82
4-Chlorotoluene
Concen: 50.77 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 91 Resp: 1110142
Ion Ratio Lower Upper
91 100
126 34.8 17.2 51.6

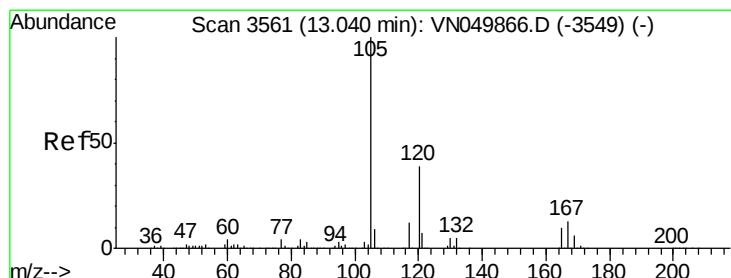
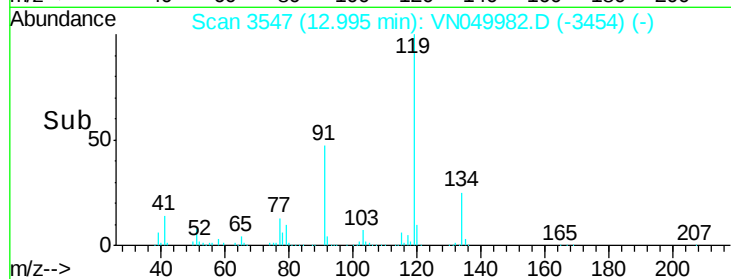
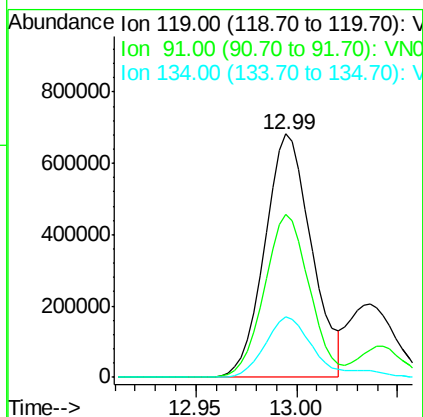
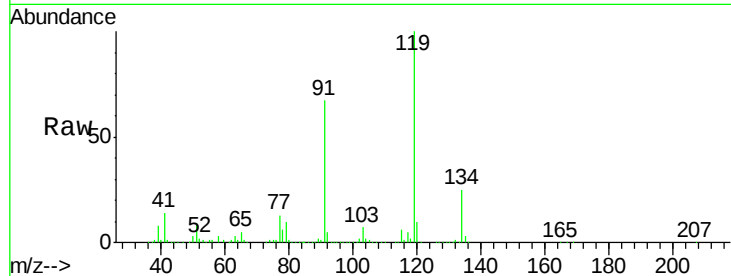




#83
 tert-Butylbenzene
 Concen: 49.97 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

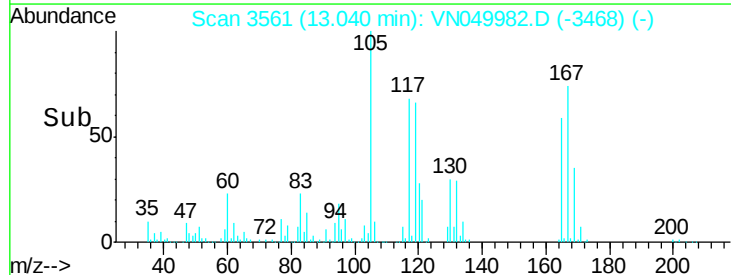
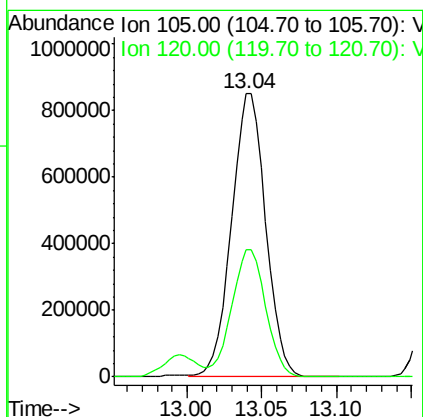
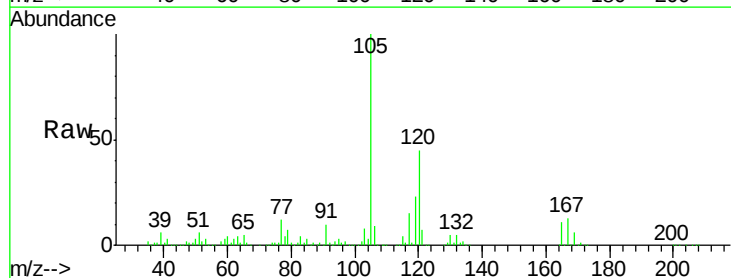
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

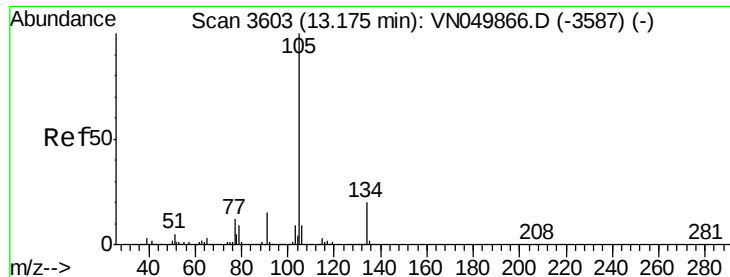
Tot Ion:119 Resp: 1098122
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.0 96.2
 134 26.7 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.25 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion:105 Resp: 1349964
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 51.65 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

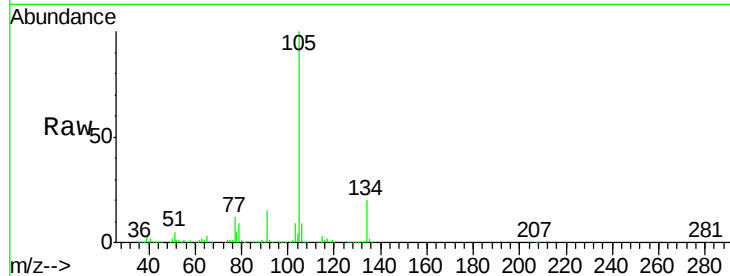
VSTDCCC050

Tot Ion:105 Resp: 1500120

Ion Ratio Lower Upper

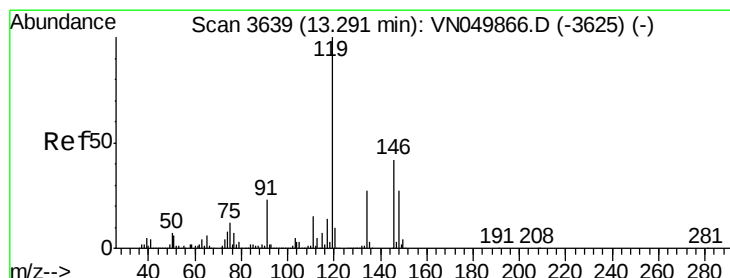
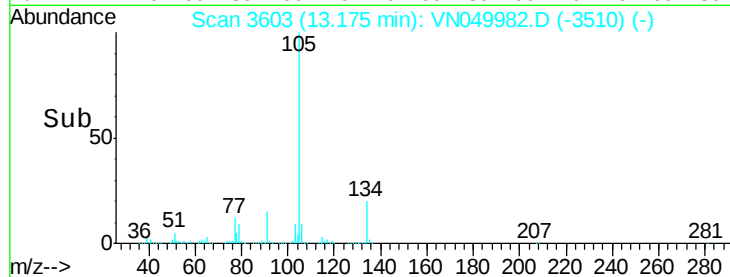
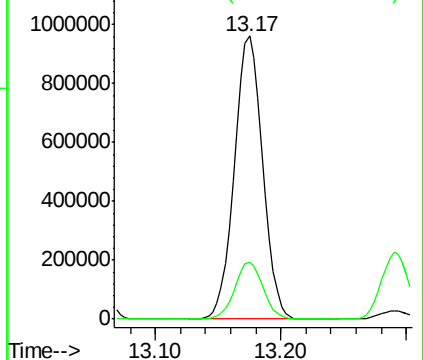
105 100

134 20.1 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: 52.67 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

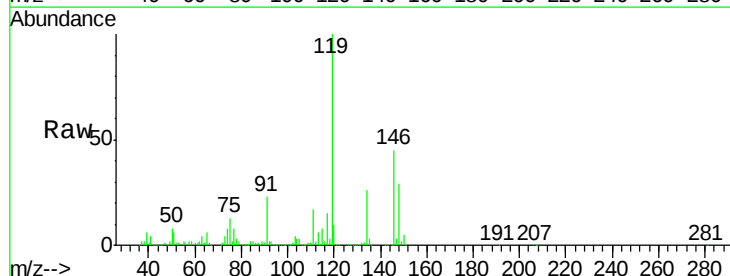
Tgt Ion:119 Resp: 1304070

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

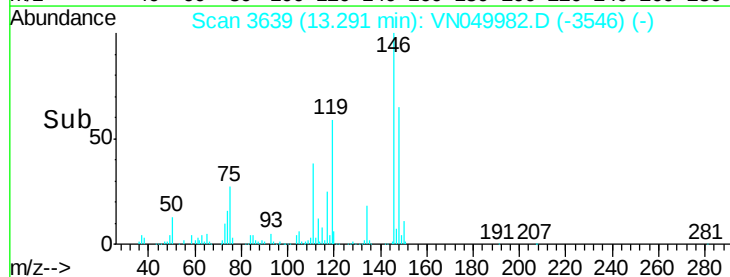
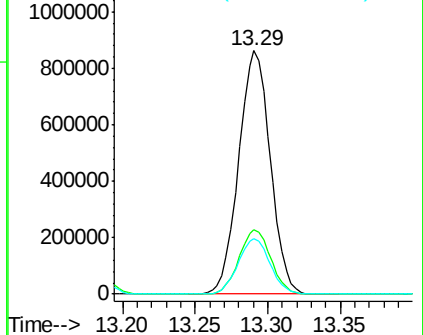
91 23.0 11.4 34.1

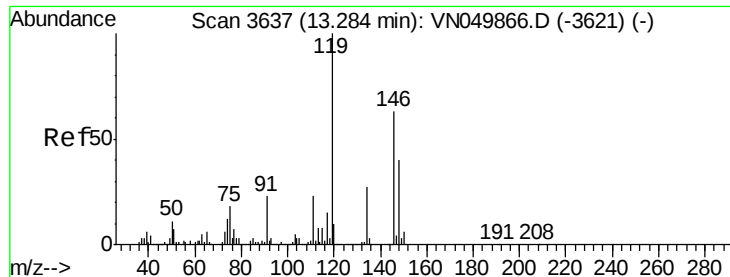


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

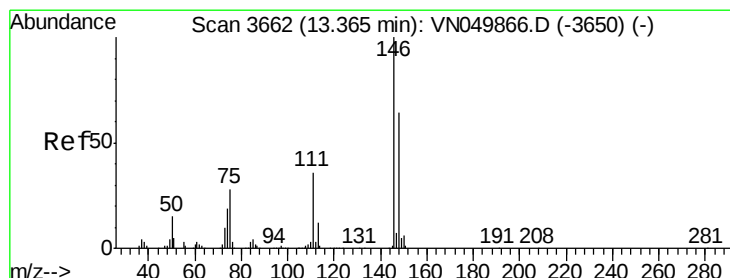
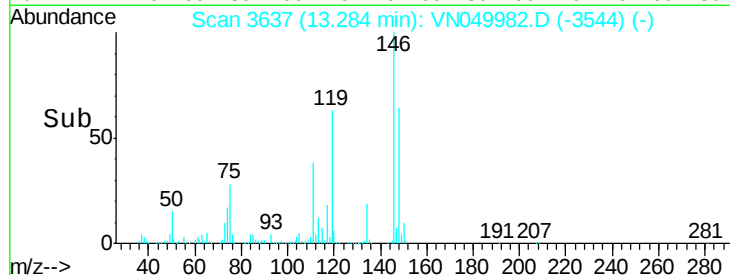
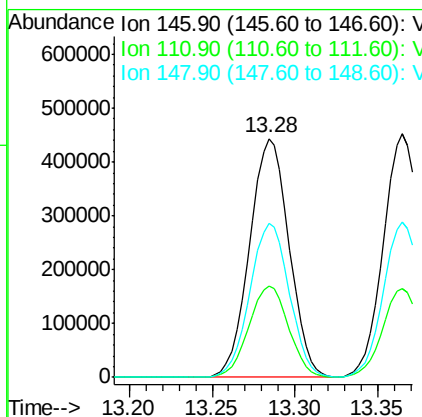
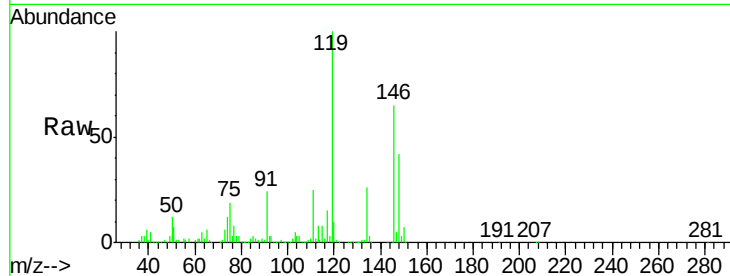




#87
 1,3-Dichlorobenzene
 Concen: 48.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

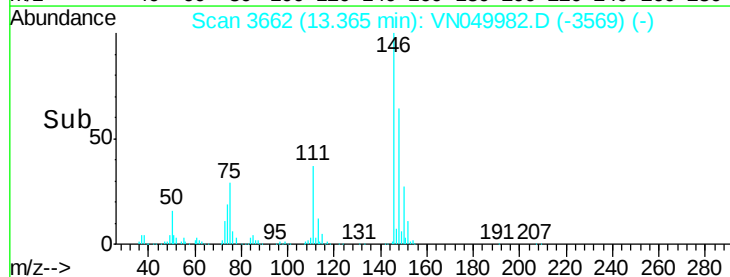
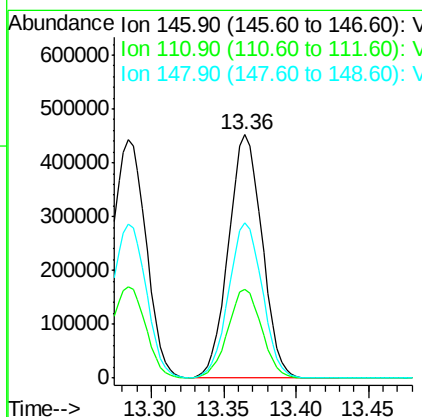
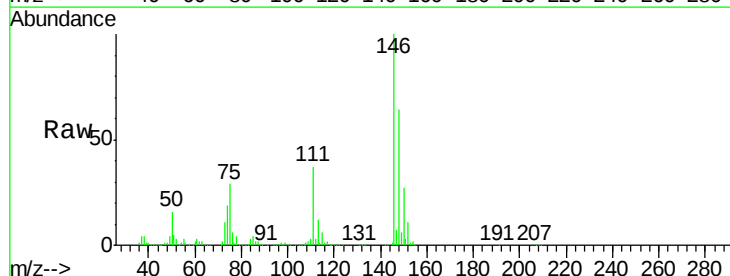
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

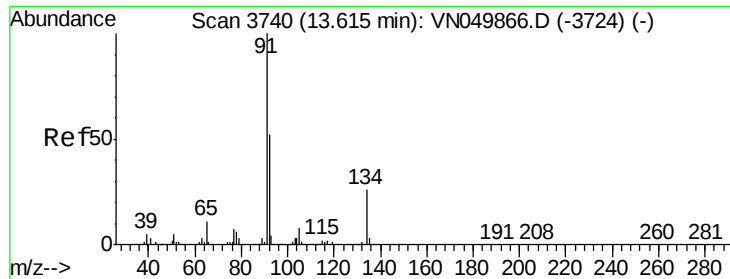
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	64.6	32.5	97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.21 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.5
148	64.2	32.1	96.3

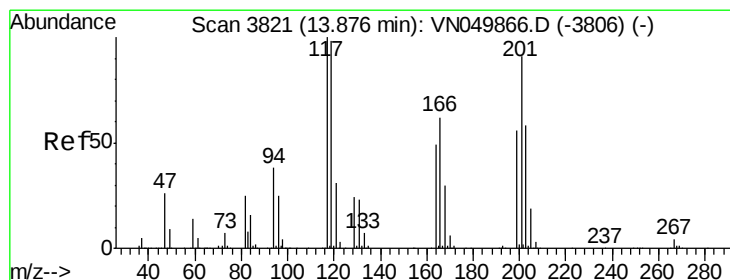
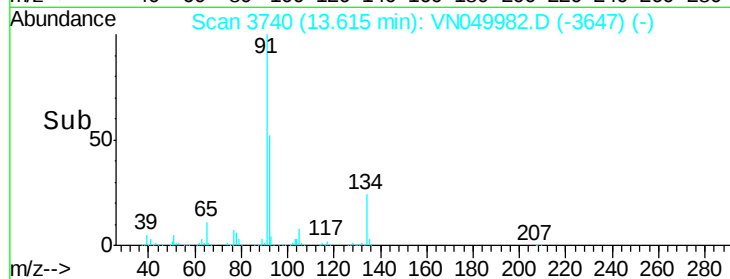
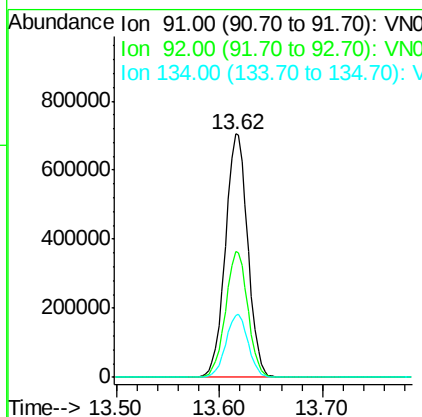
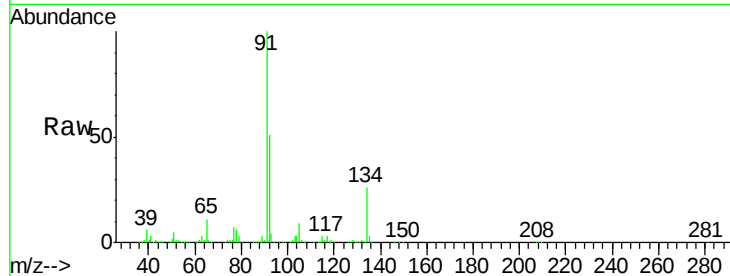




#89
n-Butylbenzene
Concen: 52.03 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

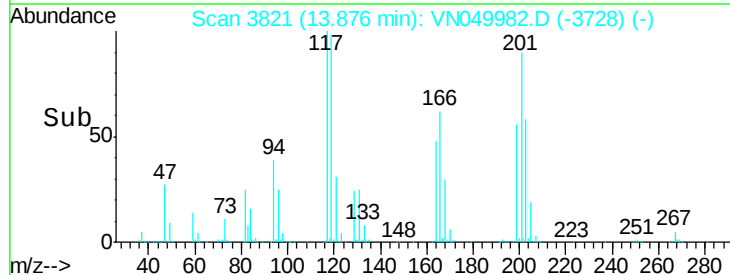
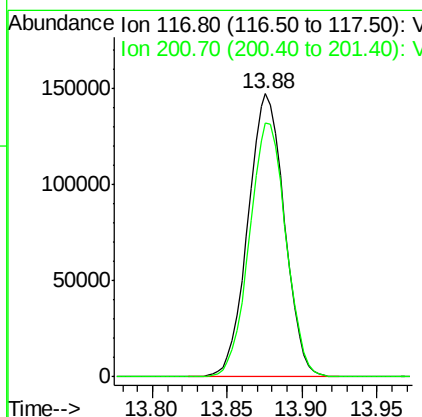
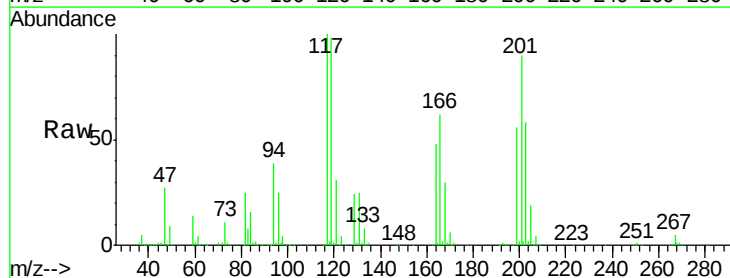
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

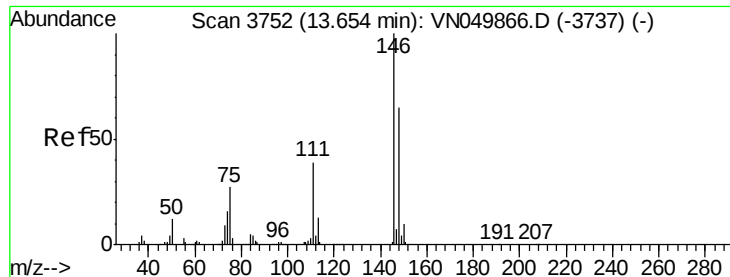
Tot Ion: 91 Resp: 1063680
Ion Ratio Lower Upper
91 100
92 51.4 25.8 77.3
134 25.7 13.0 38.9



#90
Hexachloroethane
Concen: 44.85 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049982.D
Acq: 21 Jul 2018 1:21

Tgt Ion: 117 Resp: 249211
Ion Ratio Lower Upper
117 100
201 89.9 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 49.47 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

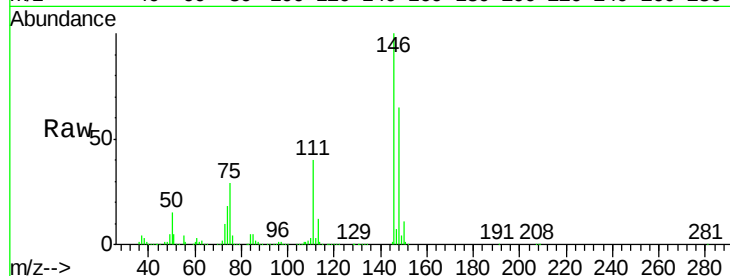
Tot Ion:146 Resp: 730667

Ion Ratio Lower Upper

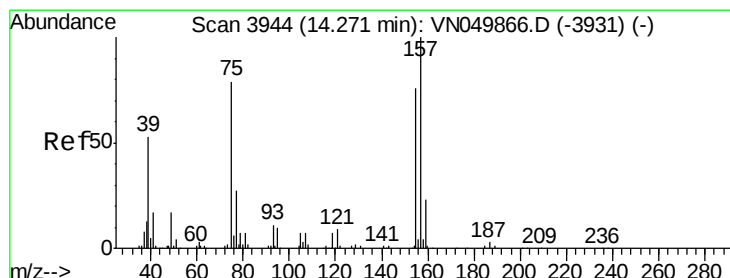
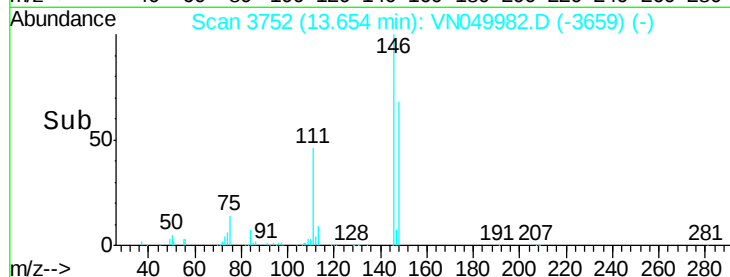
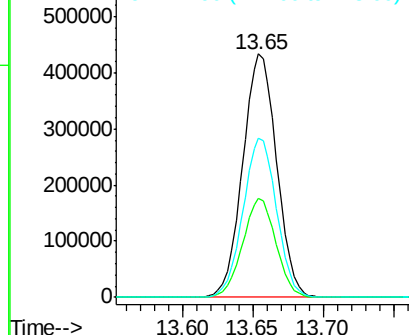
146 100

111 39.8 19.7 59.1

148 64.7 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: 46.90 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

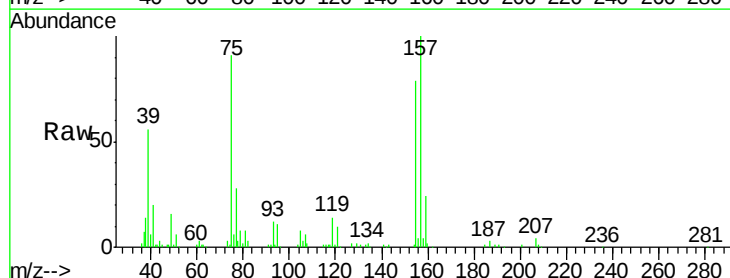
Tgt Ion: 75 Resp: 67792

Ion Ratio Lower Upper

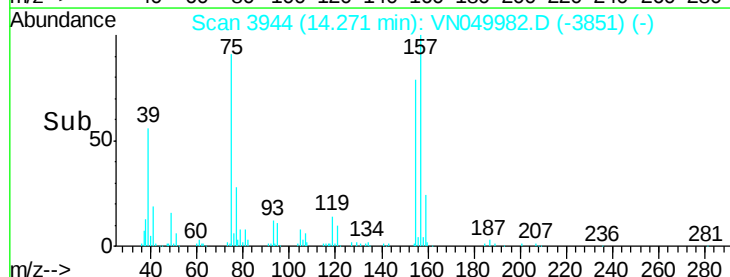
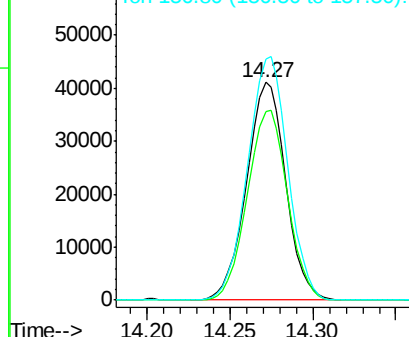
75 100

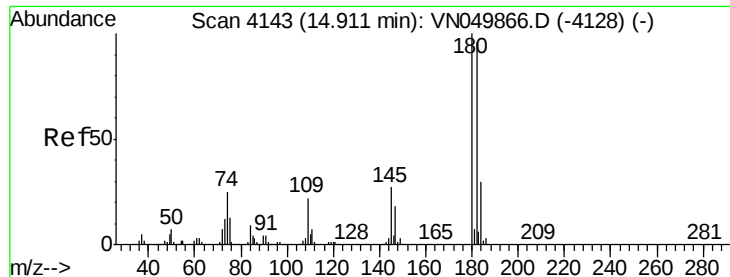
155 89.3 45.7 137.1

157 114.4 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

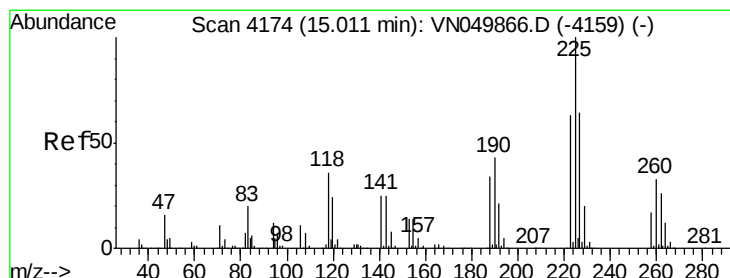
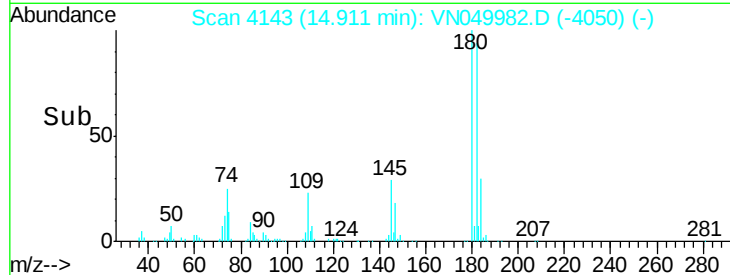
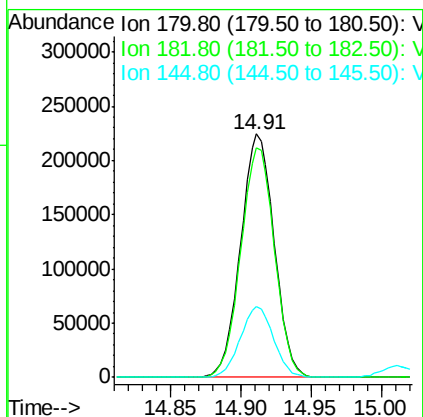
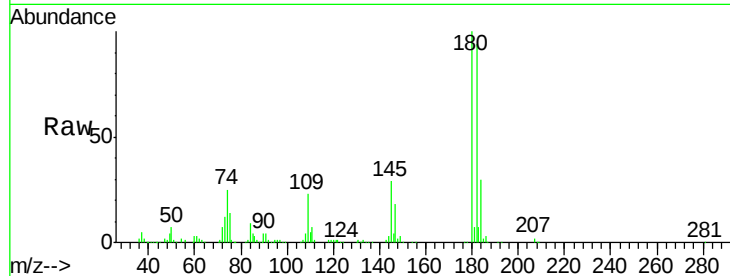




#93
 1,2,4-Trichlorobenzene
 Concen: 46.16 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

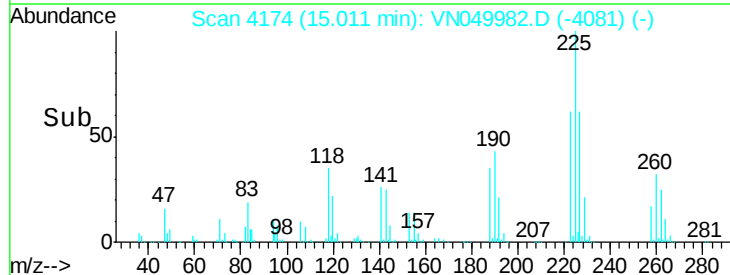
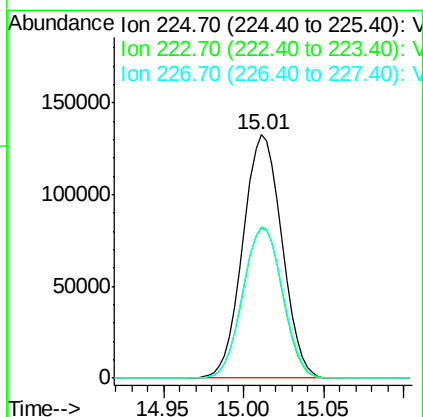
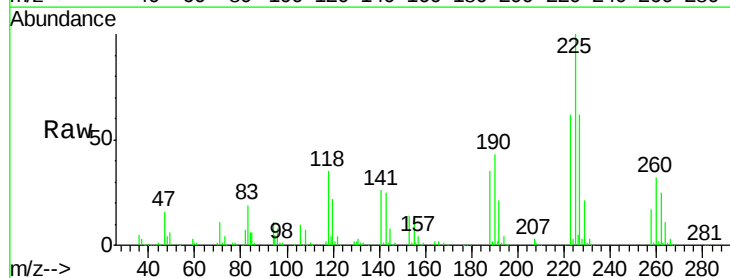
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

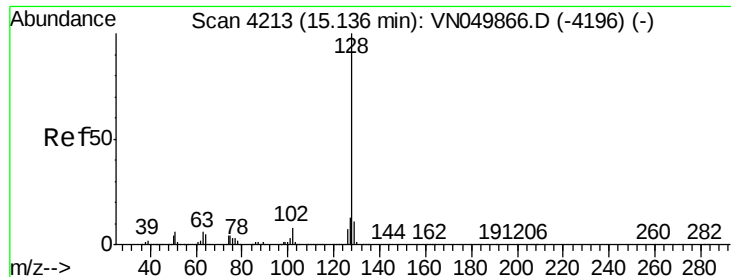
Tot Ion:180 Resp: 373586
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 141.9
 145 28.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 45.66 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049982.D
 Acq: 21 Jul 2018 1:21

Tgt Ion:225 Resp: 221005
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.7
 227 63.5 31.8 95.4





#95

Naphthalene

Concen: 42.84 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

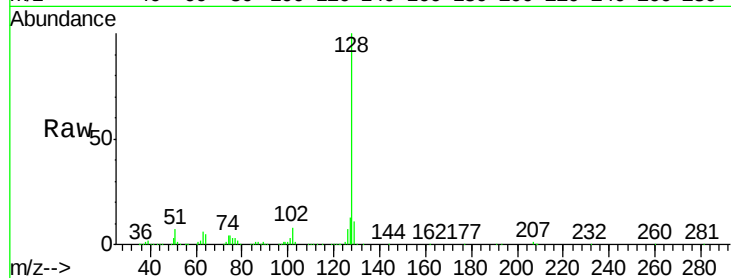
Tot Ion:128 Resp: 820204

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

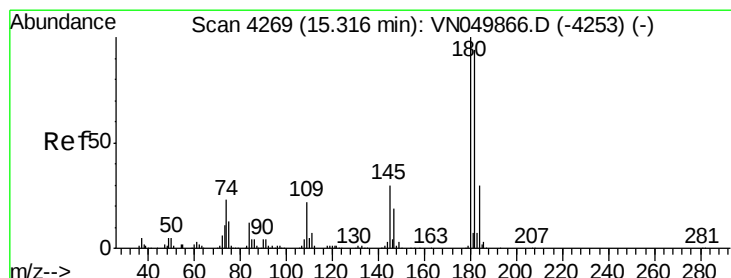
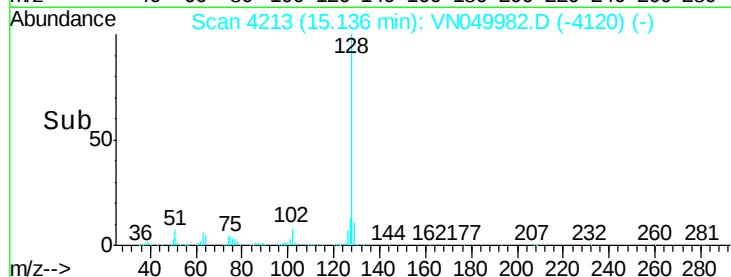
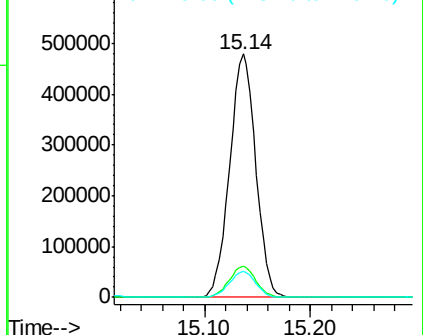
129 10.7 8.6 13.0



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: 52.67 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049982.D

Acq: 21 Jul 2018 1:21

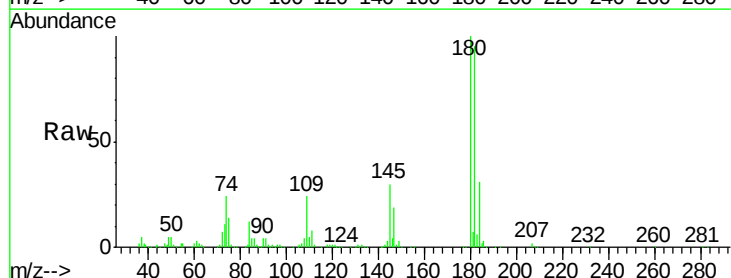
Tgt Ion:180 Resp: 373174

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.2

145 30.4 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

