

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
 Data File : VN049570.D
 Acq On : 27 Jun 2018 14:22
 Operator : MD\SY
 Sample : VN0627WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 17:22:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1505750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2275984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1995849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1014500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	909646	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	7.59	113	786406	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	
50) Toluene-d8	10.09	98	3087594	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	
62) 4-Bromofluorobenzene	12.40	95	1007372	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	316918	18.29	ug/l	99
3) Chloromethane	2.06	50	366047	16.36	ug/l	98
4) Vinyl Chloride	2.18	62	405809	17.06	ug/l	98
5) Bromomethane	2.57	94	195490	15.64	ug/l	97
6) Chloroethane	2.70	64	241896	17.06	ug/l	100
7) Trichlorofluoromethane	3.02	101	436121	14.70	ug/l	98
8) Diethyl Ether	3.41	74	175274	16.92	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	318187	16.91	ug/l	94
10) Methyl Iodide	3.95	142	403975	20.62	ug/l	92
11) Tert butyl alcohol	4.80	59	92964	79.31	ug/l	100
12) 1,1-Dichloroethene	3.73	96	294280	17.05	ug/l	90
13) Acrolein	3.60	56	125220	101.87	ug/l	98
14) Allyl chloride	4.32	41	392271	14.39	ug/l	88
15) Acrylonitrile	4.99	53	486990	83.09	ug/l	98
16) Acetone	3.82	43	376412	77.63	ug/l #	89
17) Carbon Disulfide	4.05	76	879388	16.25	ug/l	100
18) Methyl Acetate	4.33	43	434911	29.41	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	765885	17.40	ug/l	99
20) Methylene Chloride	4.55	84	331989	16.39	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	310253	16.97	ug/l	90
22) Diisopropyl ether	5.95	45	942815	17.32	ug/l	97
23) Vinyl Acetate	5.90	43	3009836	84.81	ug/l	96
24) 1,1-Dichloroethane	5.85	63	580351	16.66	ug/l	98
25) 2-Butanone	6.84	43	510505	78.40	ug/l	97
26) 2,2-Dichloropropane	6.82	77	478420	17.00	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	348922	17.17	ug/l	92
28) Bromochloromethane	7.19	49	241058	15.61	ug/l	87
29) Tetrahydrofuran	7.21	42	356248	85.00	ug/l	94
30) Chloroform	7.37	83	588040	16.96	ug/l	98
31) Cyclohexane	7.65	56	520134	17.49	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	503444	17.02	ug/l	97
36) 1,1-Dichloropropene	7.79	75	438129	16.80	ug/l	98
37) Ethyl Acetate	6.93	43	248630	17.53	ug/l	96
38) Carbon Tetrachloride	7.77	117	420168	15.56	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	466129	16.65	ug/l	98
40) Benzene	8.04	78	1334818	16.69	ug/l	100
41) Methacrylonitrile	7.17	41	139717	18.22	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	412812	16.71	ug/l	95
43) Isopropyl Acetate	8.17	43	800256	29.54	ug/l #	87
44) Trichloroethene	8.84	130	396617	18.78	ug/l	93
45) 1,2-Dichloropropane	9.12	63	344927	16.47	ug/l	100
46) Dibromomethane	9.21	93	201613	16.61	ug/l	91
47) Bromodichloromethane	9.40	83	436500	16.36	ug/l	98
48) Methyl methacrylate	9.20	41	216612	16.98	ug/l	88
49) 1,4-Dioxane	9.20	88	57313	325.46	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1182735	83.29	ug/l	94
52) Toluene	10.16	92	803339	17.12	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	403543	15.81	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	494901	16.42	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	287211	16.41	ug/l	97
56) Ethyl methacrylate	10.43	69	343357	17.01	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	479950	16.56	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	702617	106.11	ug/l	93
59) 2-Hexanone	10.75	43	780233	85.22	ug/l	93
60) Dibromochloromethane	10.90	129	311053	15.93	ug/l	99
61) 1,2-Dibromoethane	11.01	107	276428	17.00	ug/l	99
64) Tetrachloroethene	10.63	164	461337	22.56	ug/l	95
65) Chlorobenzene	11.44	112	862976	16.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	318992	16.49	ug/l	98
67) Ethyl Benzene	11.51	91	1449217	16.99	ug/l	98
68) m/p-Xylenes	11.62	106	1129281	35.28	ug/l	97
69) o-Xylene	11.95	106	542056	17.58	ug/l	96
70) Styrene	11.96	104	882577	18.15	ug/l	98
71) Bromoform	12.13	173	201403	16.08	ug/l #	98
73) Isopropylbenzene	12.25	105	1410878	15.84	ug/l	99
74) N-amyl acetate	12.07	43	382180	17.52	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	296365	14.59	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	401795	23.21	ug/l #	100
77) Bromobenzene	12.53	156	368687	15.67	ug/l	89
78) n-propylbenzene	12.59	91	1609737	16.46	ug/l	98
79) 2-Chlorotoluene	12.68	91	992492	16.02	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1189321	16.99	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	78924	14.41	ug/l	96
82) 4-Chlorotoluene	12.77	91	992192	16.60	ug/l	96
83) tert-Butylbenzene	12.99	119	975811	15.73	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1225958	17.63	ug/l	100
85) sec-Butylbenzene	13.17	105	1342091	16.26	ug/l	98
86) p-Isopropyltoluene	13.29	119	1173301	17.01	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	651927	16.84	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	630285	16.43	ug/l	99
89) n-Butylbenzene	13.62	91	952911	17.69	ug/l	98
90) Hexachloroethane	13.88	117	109700	6.94	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	634963	16.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48953	15.79	ug/l	86

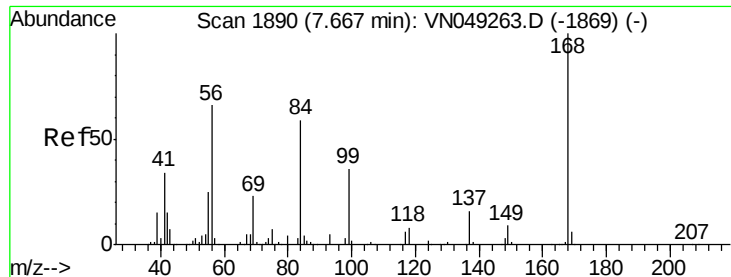
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	286623	19.65	ug/l	99
94) Hexachlorobutadiene	15.01	225	210487	17.17	ug/l	99
95) Naphthalene	15.14	128	569139	21.23	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	279768	18.77	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

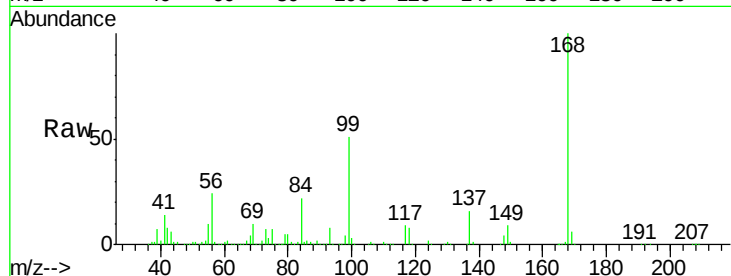
ClientSampleId :

Tot Ion:168 Resp: 1505750

Ion Ratio Lower Upper

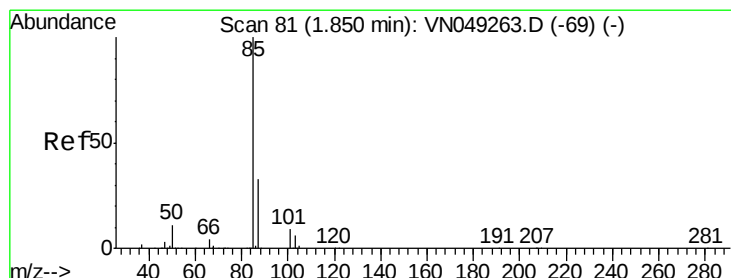
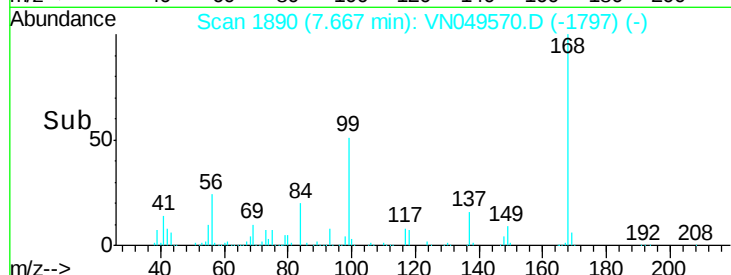
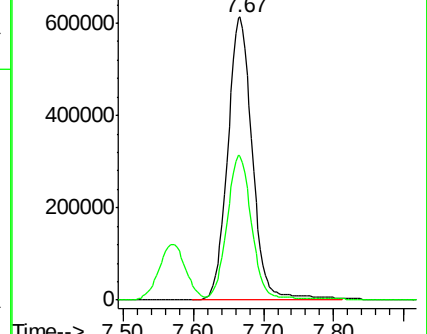
168 100

99 50.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.29 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049570.D

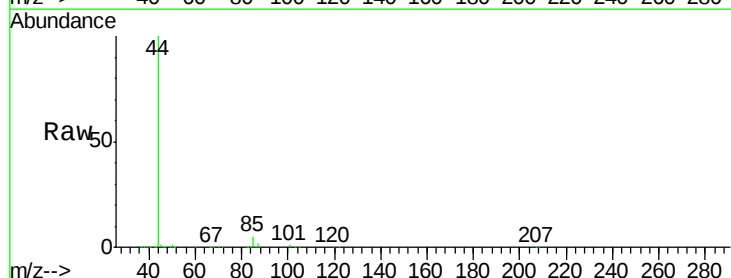
Acq: 27 Jun 2018 14:22

Tgt Ion: 85 Resp: 316918

Ion Ratio Lower Upper

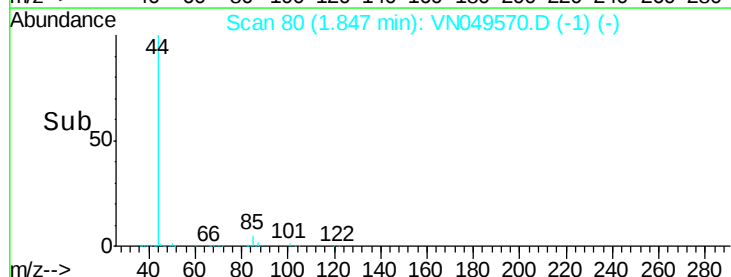
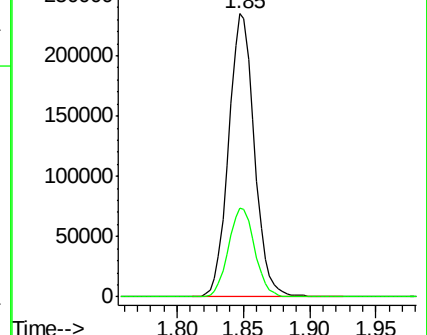
85 100

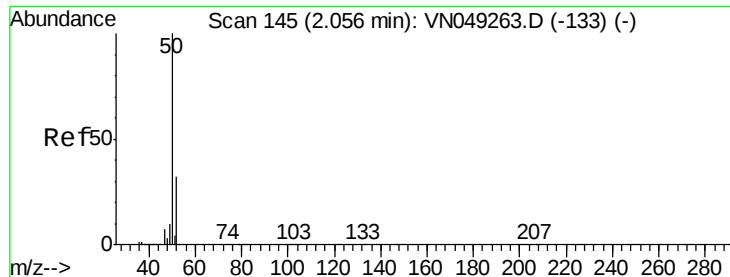
87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.36 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

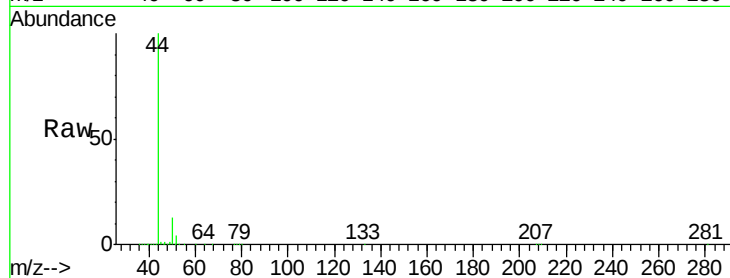
ClientSampleId :

Tot Ion: 50 Resp: 366047

Ion Ratio Lower Upper

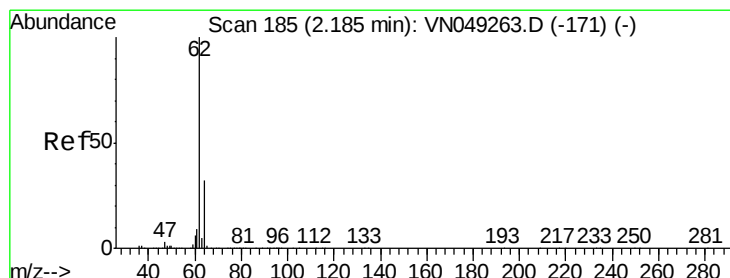
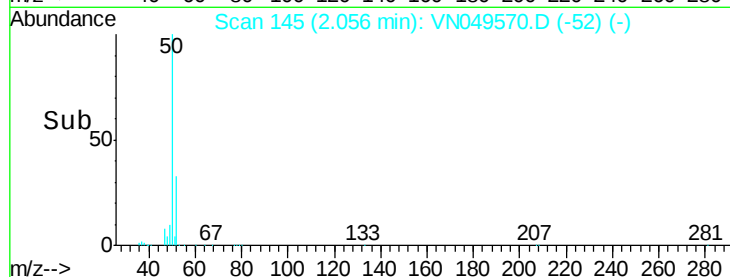
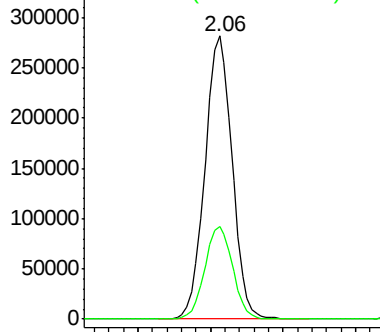
50 100

52 32.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.06 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049570.D

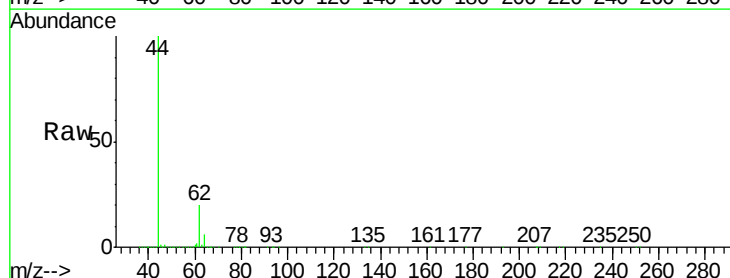
Acq: 27 Jun 2018 14:22

Tgt Ion: 62 Resp: 405809

Ion Ratio Lower Upper

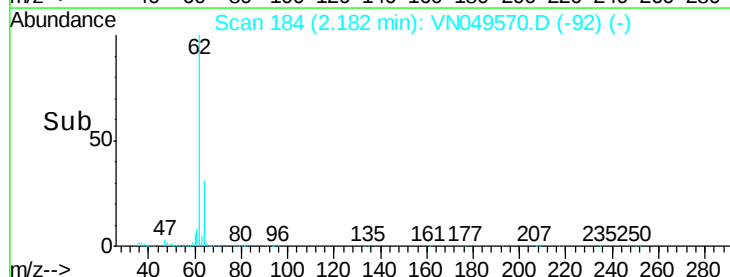
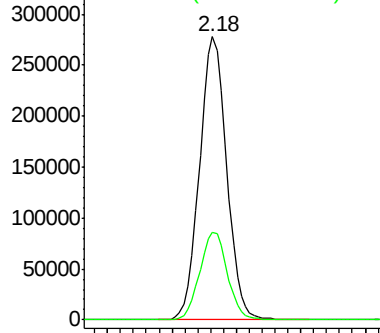
62 100

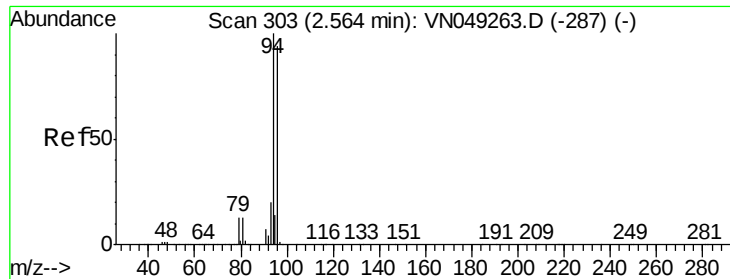
64 31.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 15.64 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

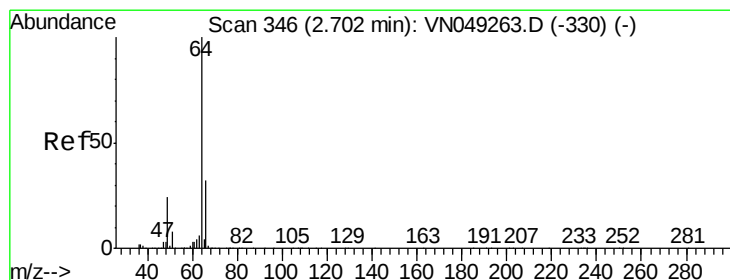
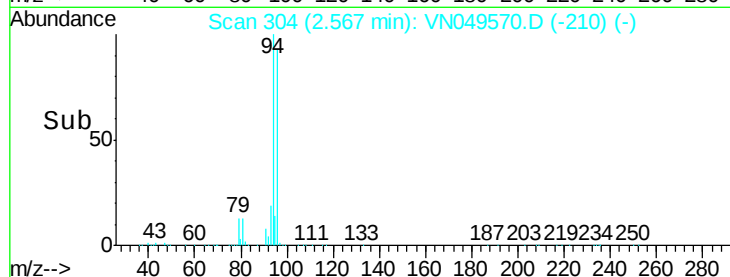
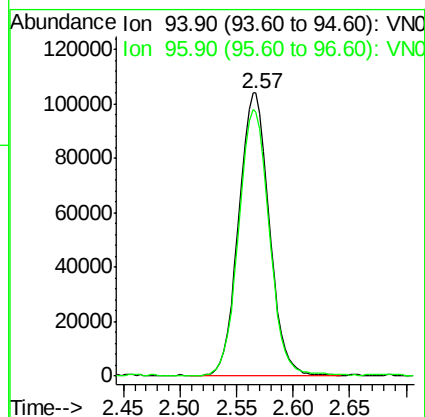
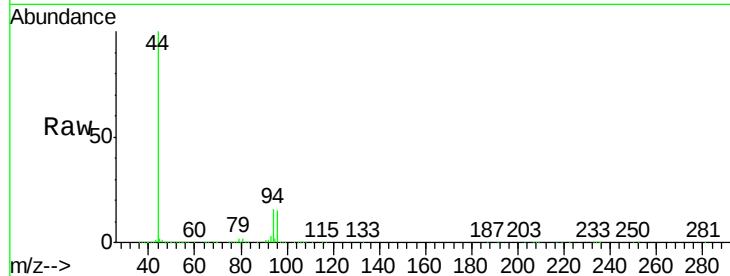
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 195490

Ion Ratio Lower Upper

94 100

96 93.7 72.8 109.2



#6

Chloroethane

Concen: 17.06 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049570.D

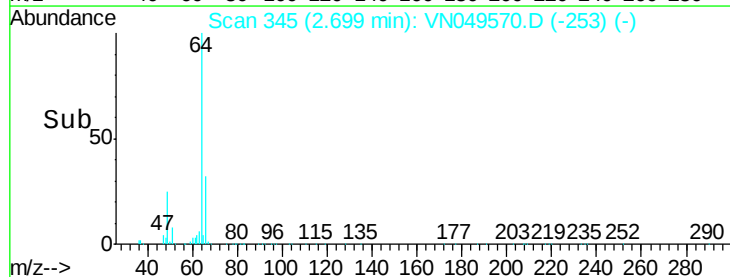
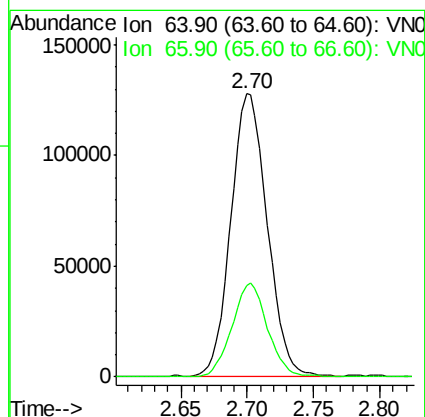
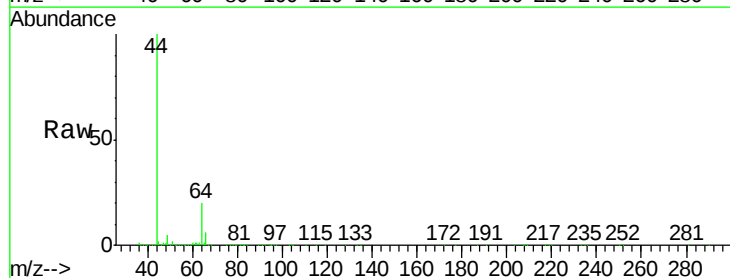
Acq: 27 Jun 2018 14:22

Tgt Ion: 64 Resp: 241896

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

Trichlorofluoromethane

Concen: 14.70 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

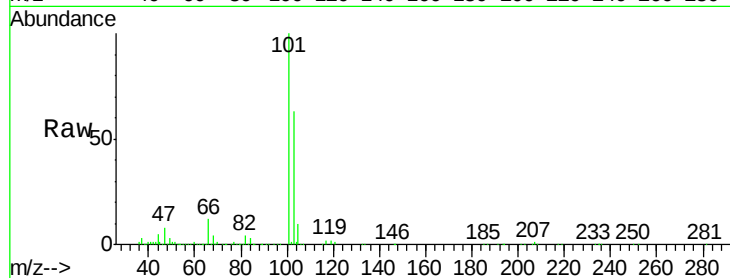
ClientSampled :

Tot Ion:101 Resp: 436121

Ion Ratio Lower Upper

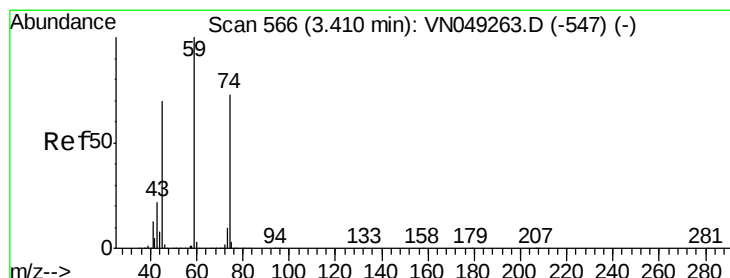
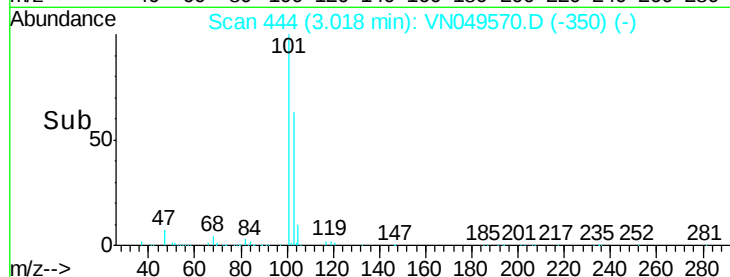
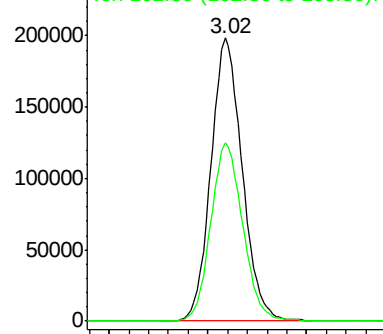
101 100

103 62.8 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 16.92 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049570.D

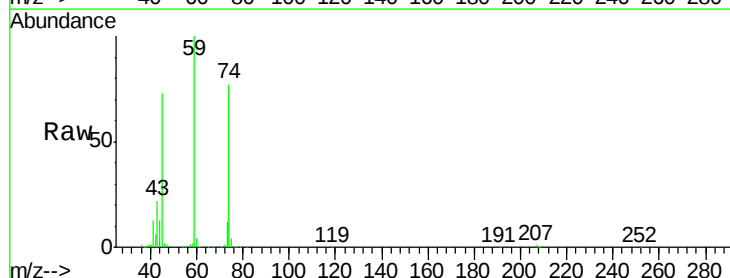
Acq: 27 Jun 2018 14:22

Tgt Ion: 74 Resp: 175274

Ion Ratio Lower Upper

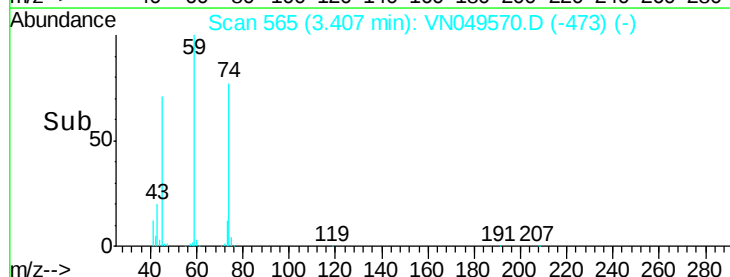
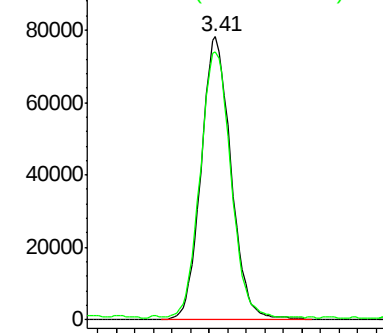
74 100

45 94.7 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.91 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

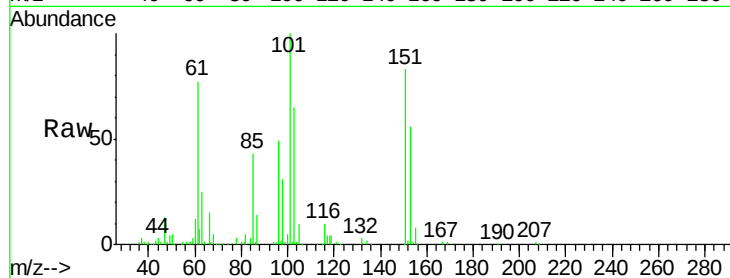
Tot Ion:101 Resp: 318187

Ion Ratio Lower Upper

101 100

85 43.0 37.6 56.4

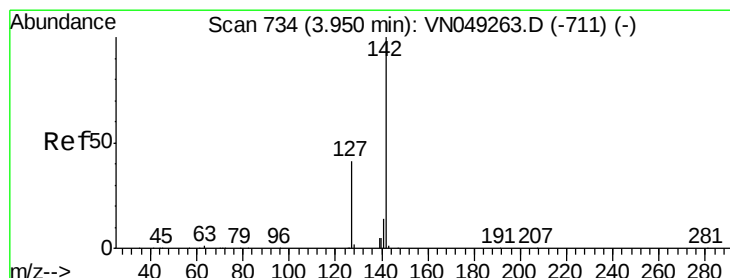
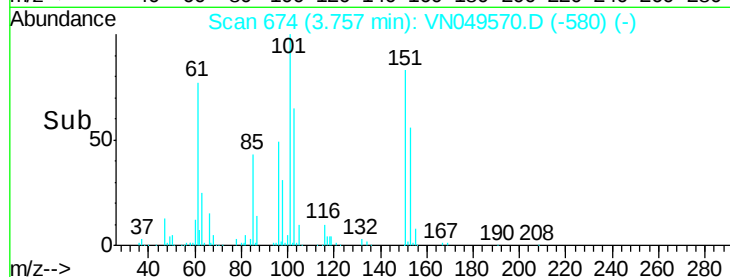
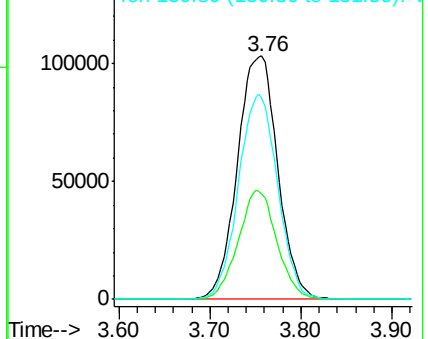
151 81.7 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.62 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

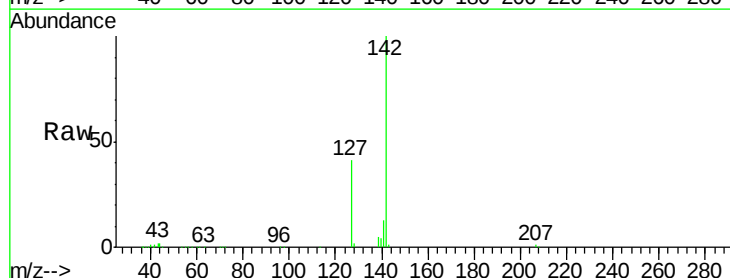
Tgt Ion:142 Resp: 403975

Ion Ratio Lower Upper

142 100

127 41.1 38.2 57.4

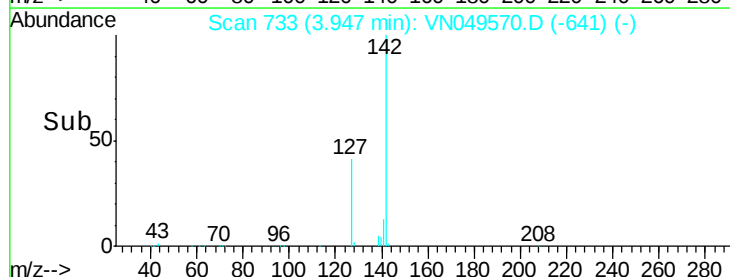
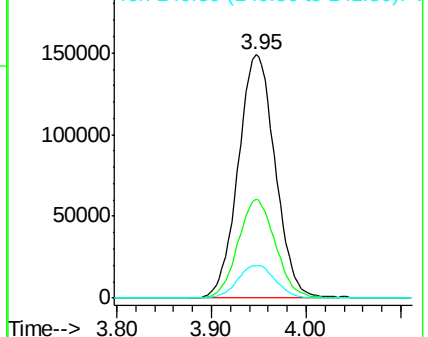
141 13.8 11.9 17.9

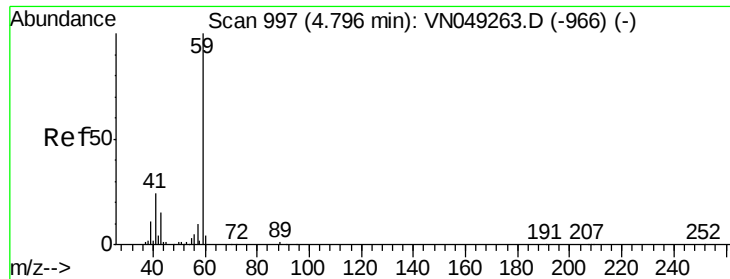


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

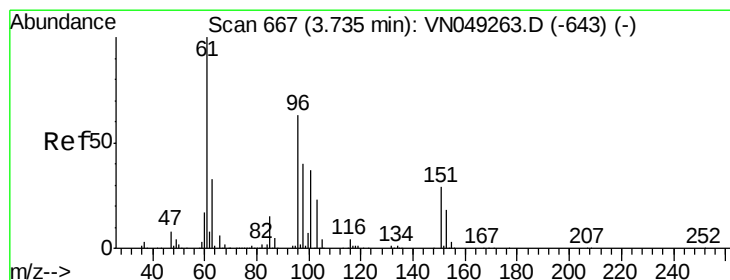
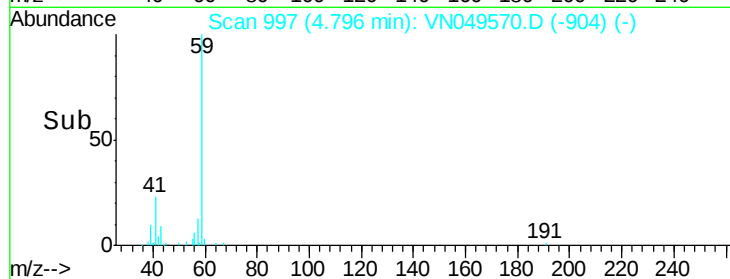
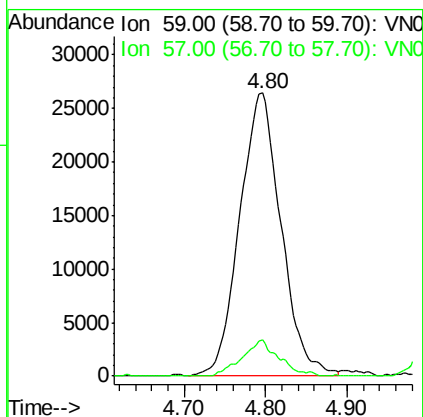
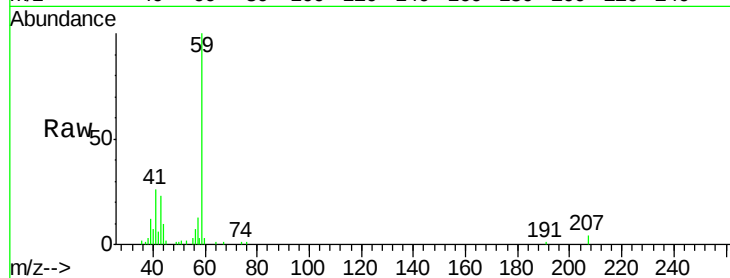




#11
Tert butyl alcohol
Concen: 79.31 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

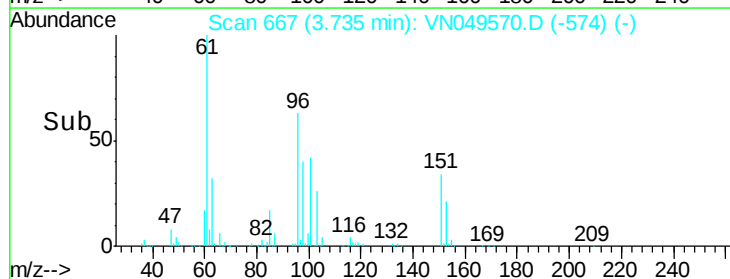
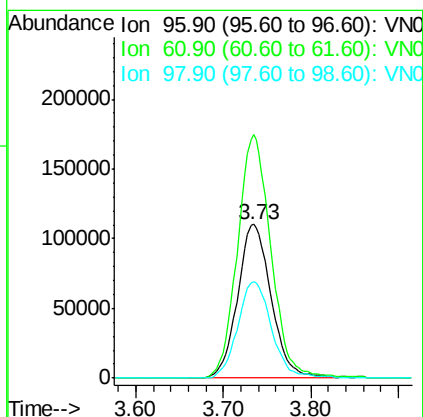
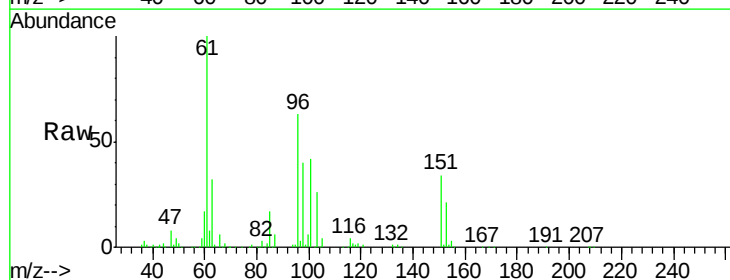
Instrument :
MSVOA_N
ClientSampled :

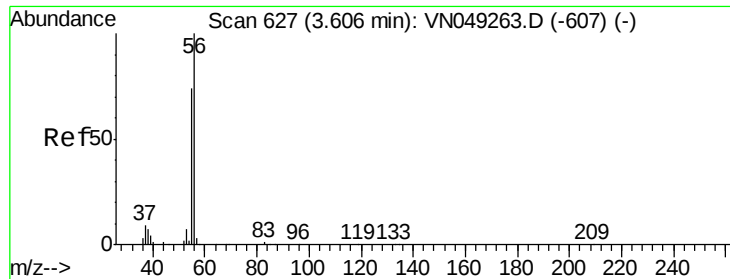
Tot Ion: 59 Resp: 92964
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.6



#12
1,1-Dichloroethene
Concen: 17.05 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 96 Resp: 294280
Ion Ratio Lower Upper
96 100
61 158.2 141.0 211.4
98 62.7 50.4 75.6





#13

Acrolein

Concen: 101.87 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

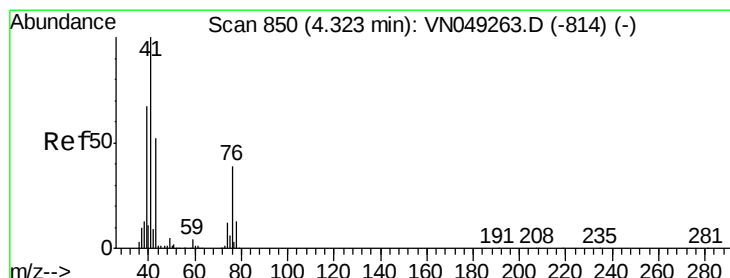
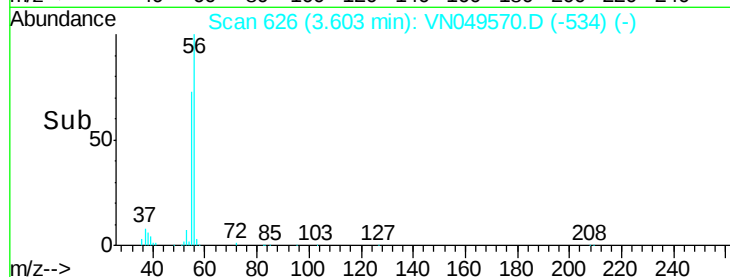
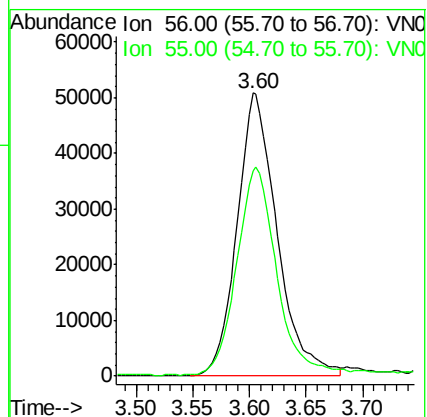
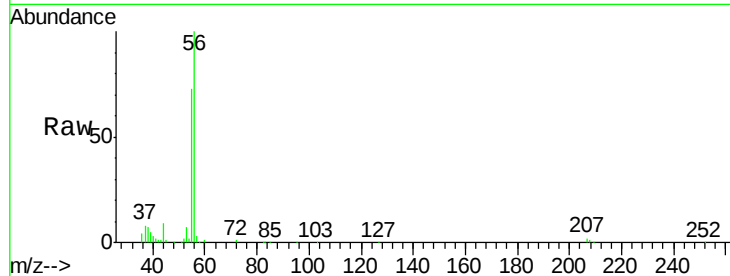
ClientSampled :

Tot Ion: 56 Resp: 125220

Ion Ratio Lower Upper

56 100

55 73.4 57.1 85.7



#14

Allyl chloride

Concen: 14.39 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

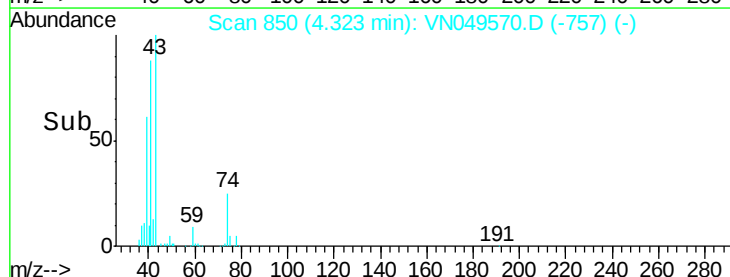
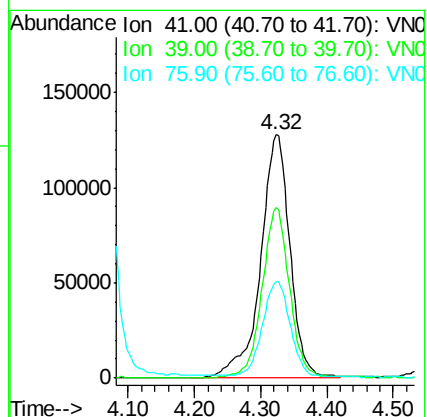
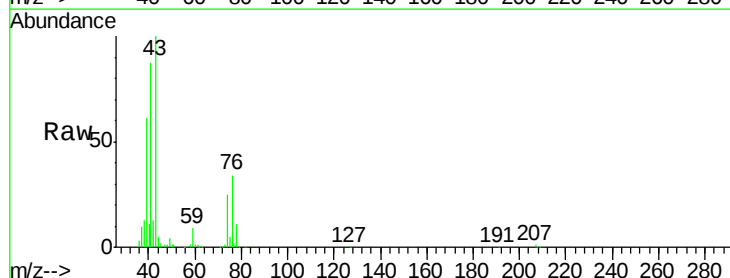
Tgt Ion: 41 Resp: 392271

Ion Ratio Lower Upper

41 100

39 65.3 62.5 93.7

76 37.1 27.1 40.7

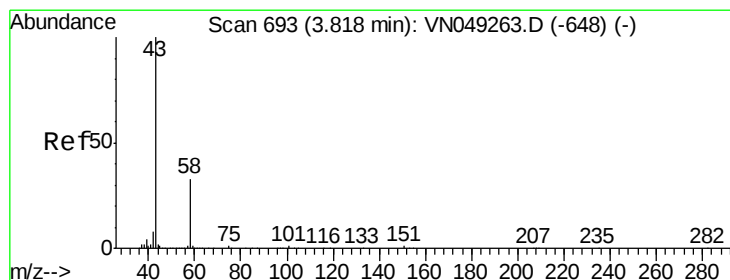
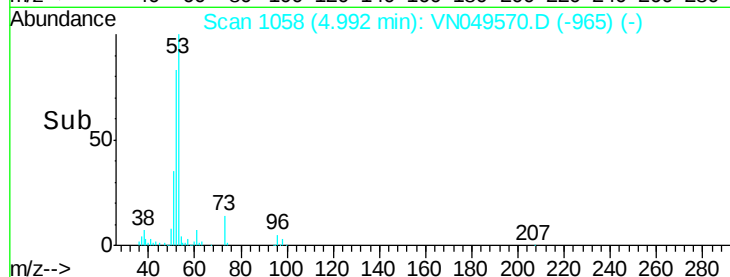
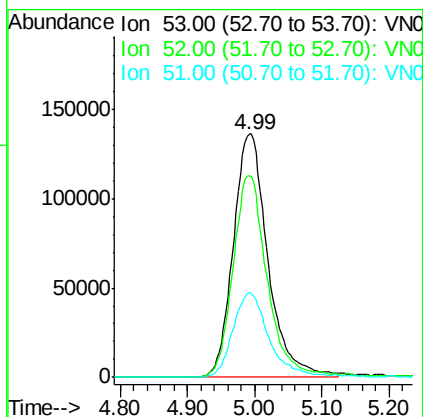
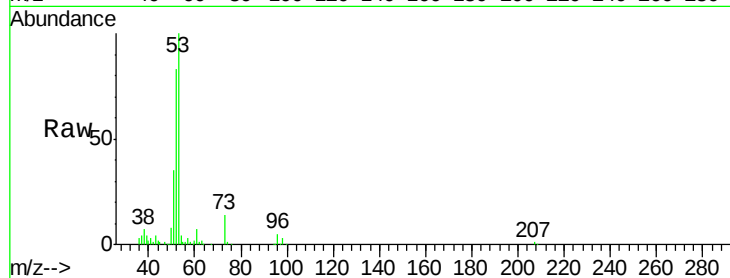




#15
 Acrylonitrile
 Concen: 83.09 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

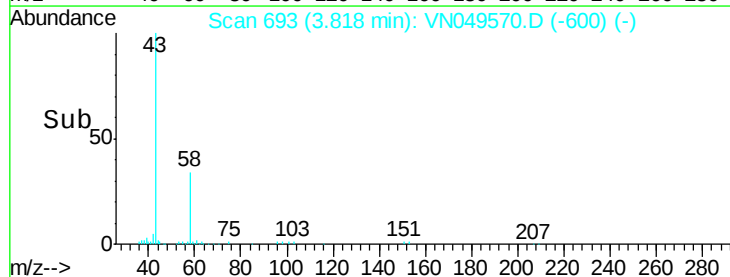
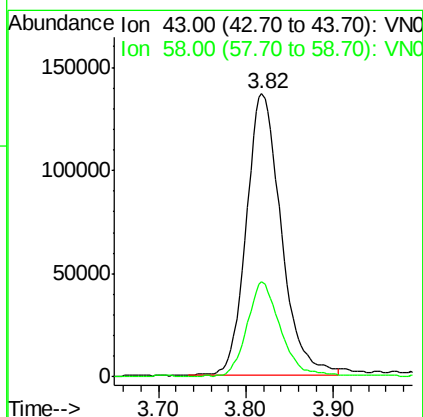
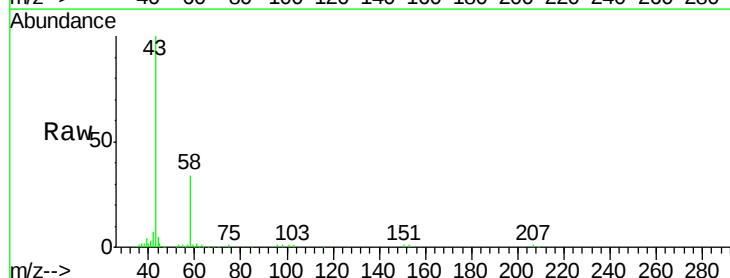
Instrument :
 MSVOA_N
 ClientSampleId :

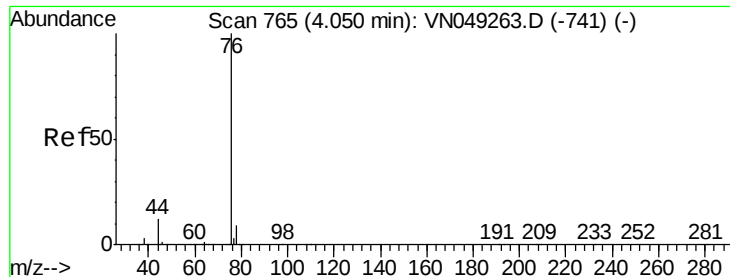
Tot Ion	53	Resp	486990
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.6	100.0
51	36.2	29.8	44.8



#16
 Acetone
 Concen: 77.63 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion	43	Resp	376412
Ion Ratio	Lower	Upper	
43	100		
58	33.8	22.4	33.6

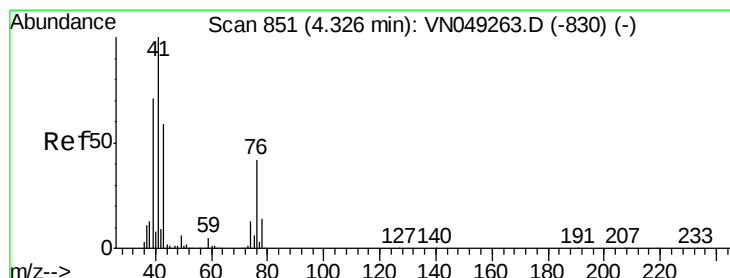
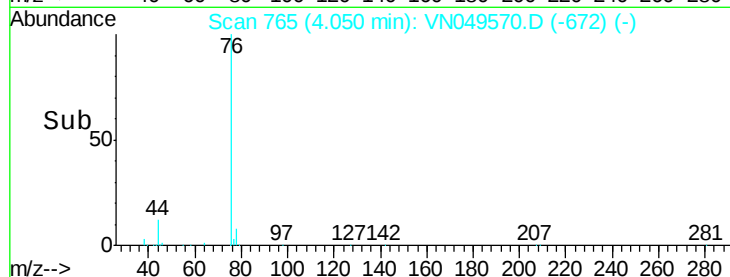
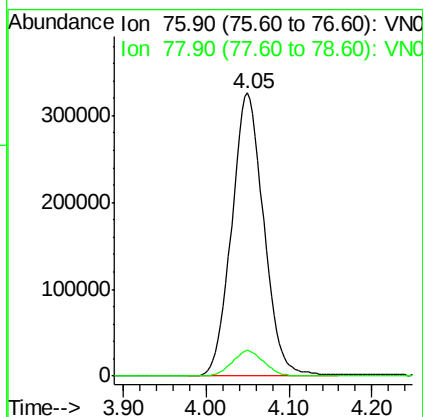
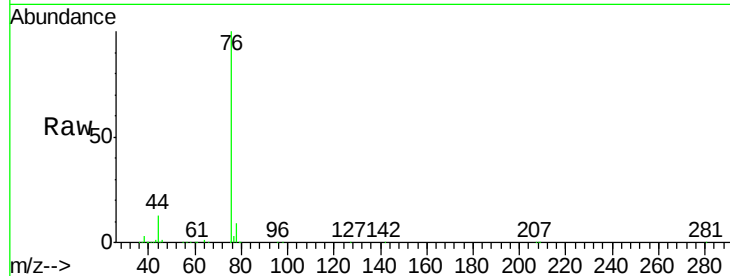




#17
Carbon Disulfide
Concen: 16.25 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

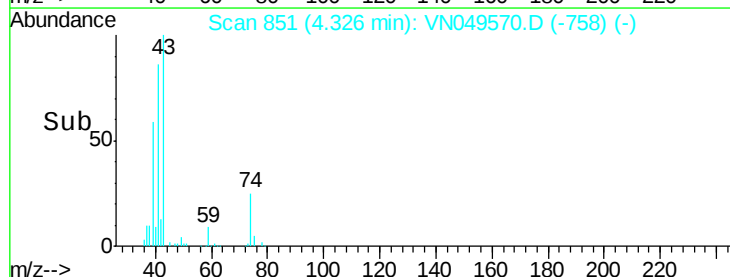
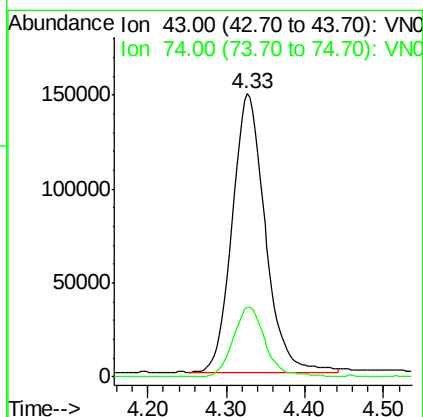
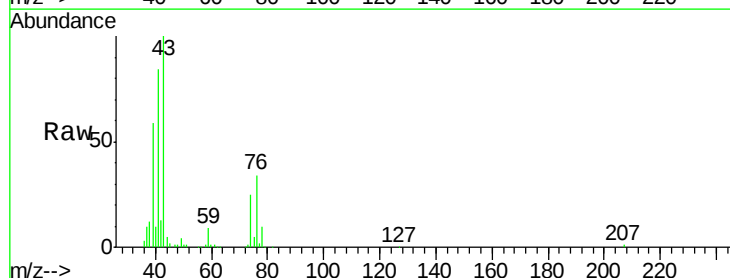
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 879388
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 29.41 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 43 Resp: 434911
Ion Ratio Lower Upper
43 100
74 24.5 17.4 26.0



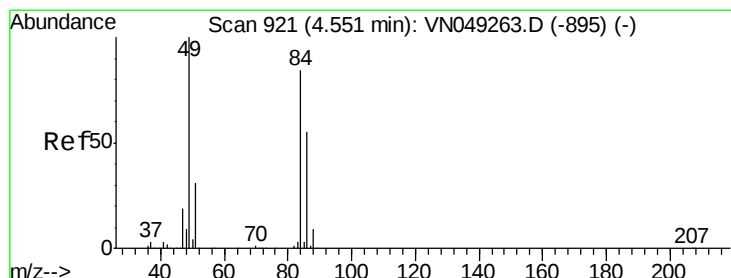
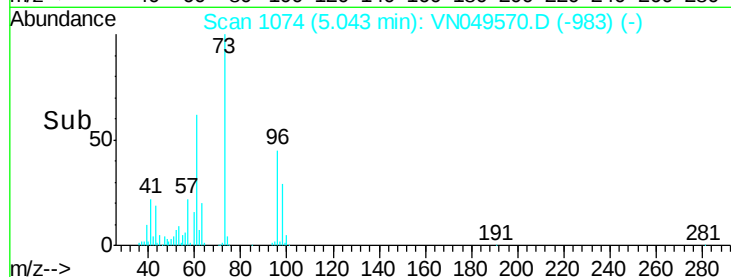
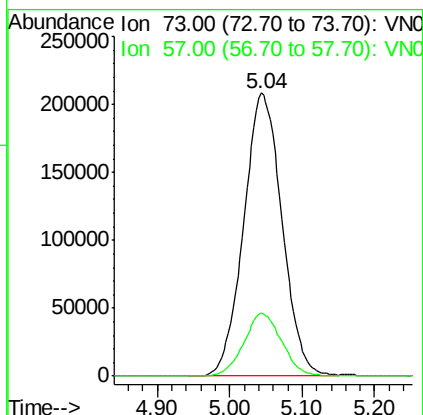
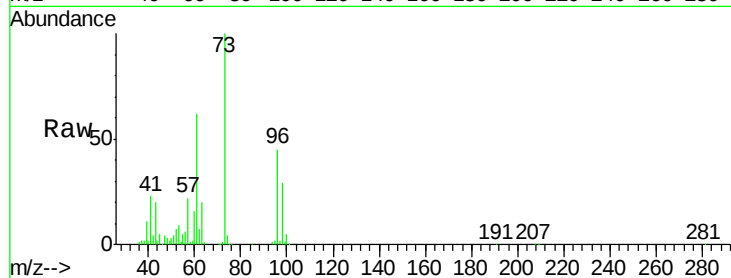


#19

Methyl tert-butyl Ether
 Concen: 17.40 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :

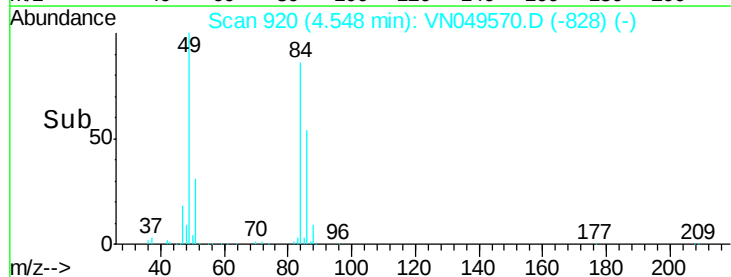
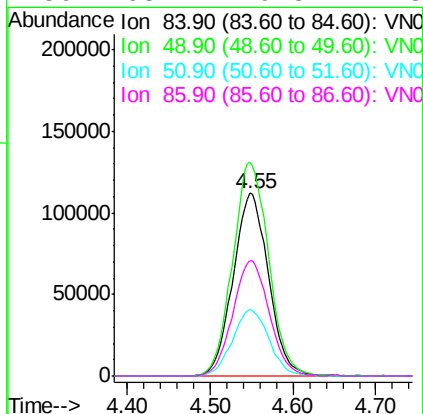
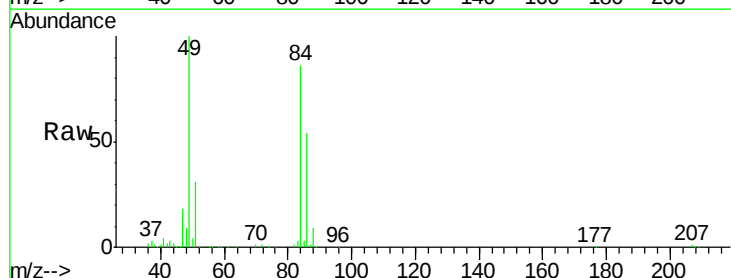
Tot Ion: 73 Resp: 765885
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.2 27.4



#20

Methylene Chloride
 Concen: 16.39 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion: 84 Resp: 331989
 Ion Ratio Lower Upper
 84 100
 49 116.7 106.9 160.3
 51 36.1 32.7 49.1
 86 63.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.97 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

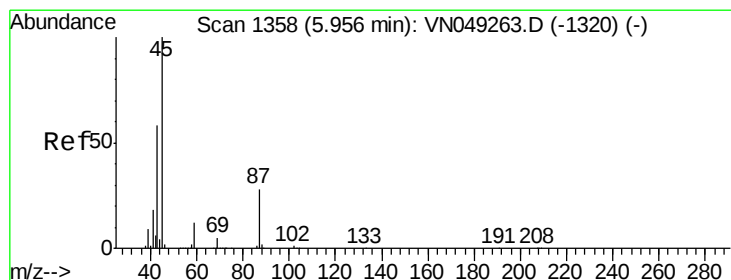
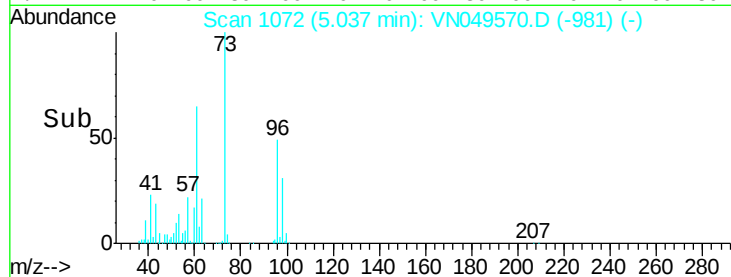
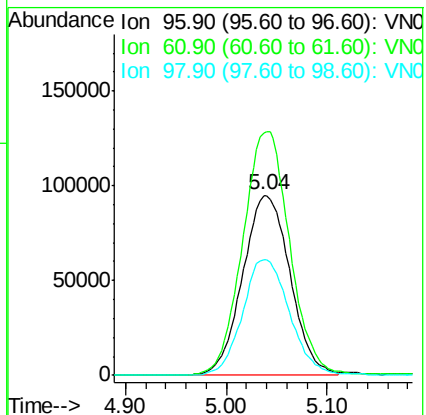
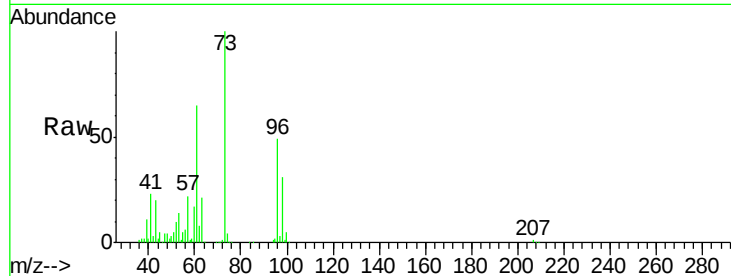
Tot Ion: 96 Resp: 310253

Ion Ratio Lower Upper

96 100

61 134.4 121.3 181.9

98 64.3 52.0 78.0



#22

Diisopropyl ether

Concen: 17.32 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Tgt Ion: 45 Resp: 942815

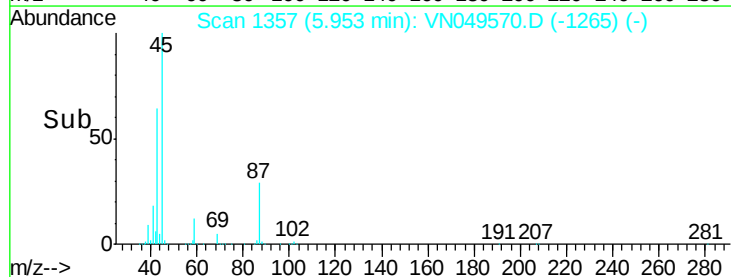
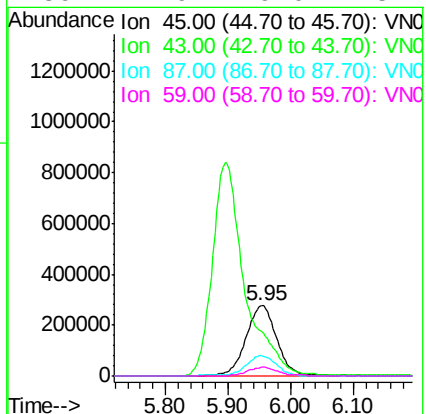
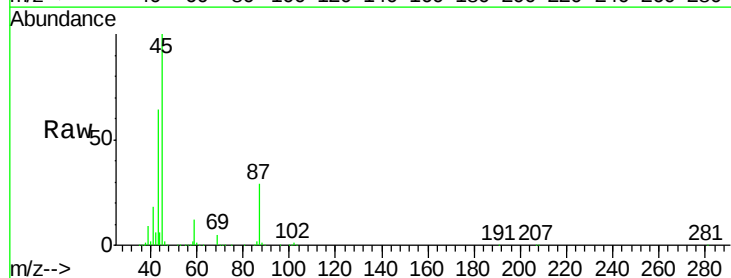
Ion Ratio Lower Upper

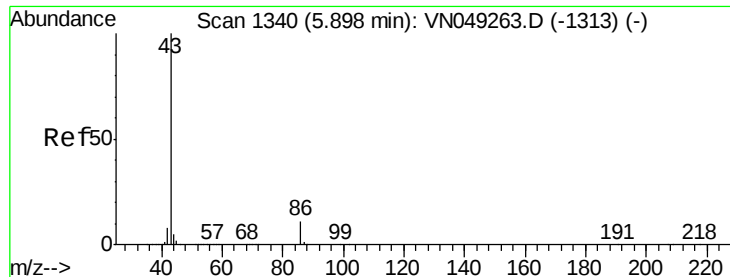
45 100

43 61.8 48.6 72.8

87 28.6 20.2 30.2

59 11.9 9.0 13.4

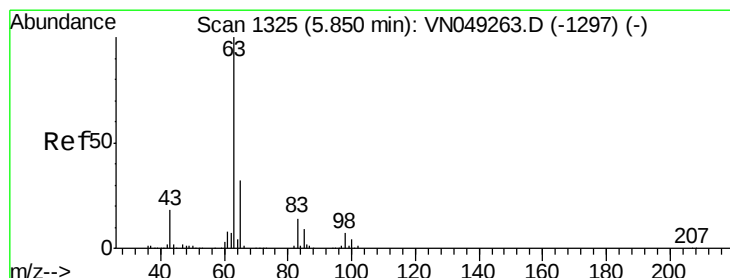
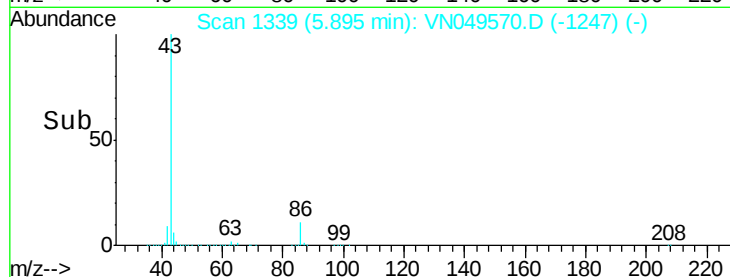
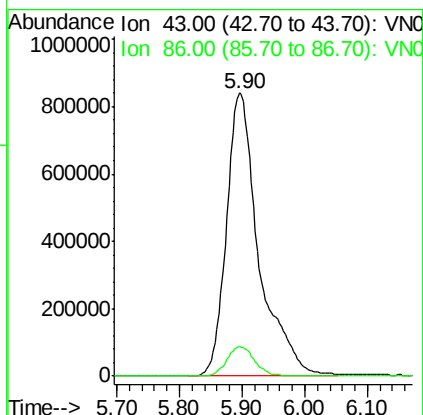
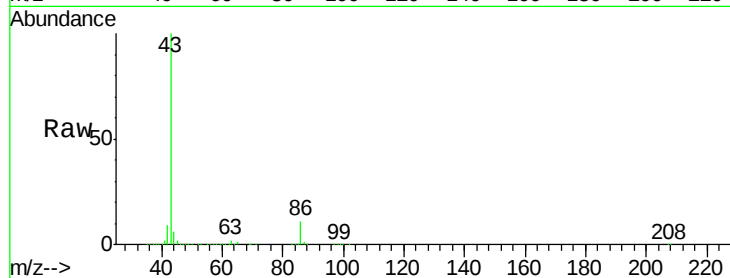




#23
 Vinyl Acetate
 Concen: 84.81 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

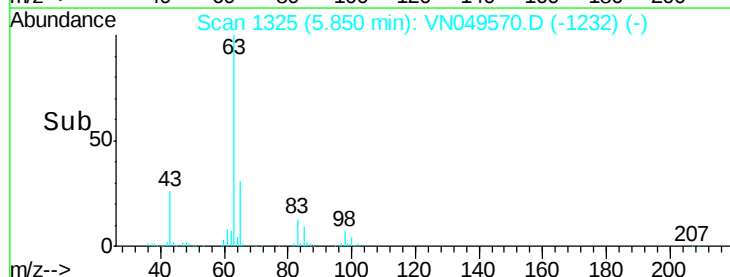
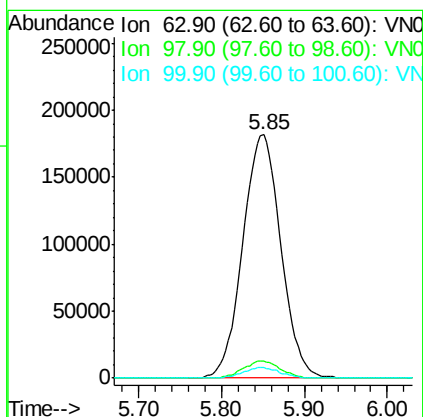
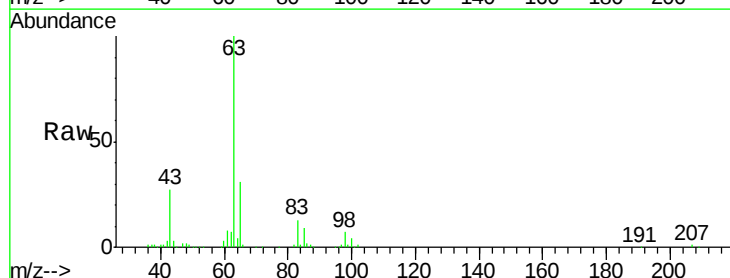
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 3009836
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 16.66 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion: 63 Resp: 580351
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 78.40 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

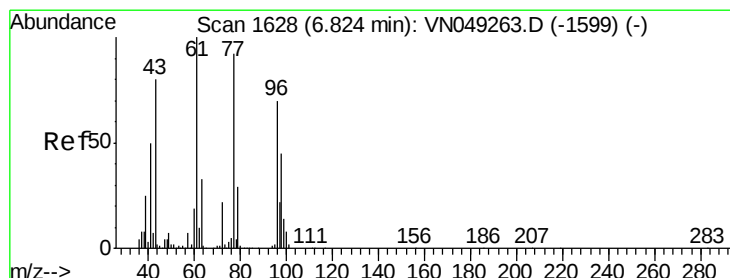
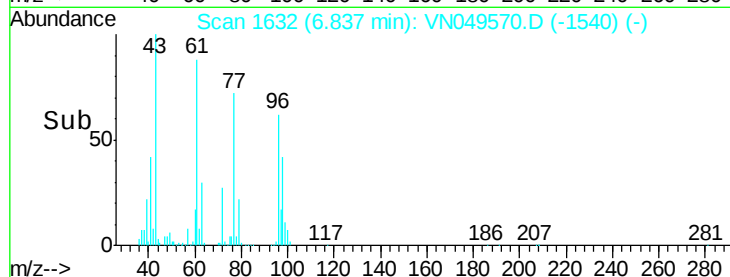
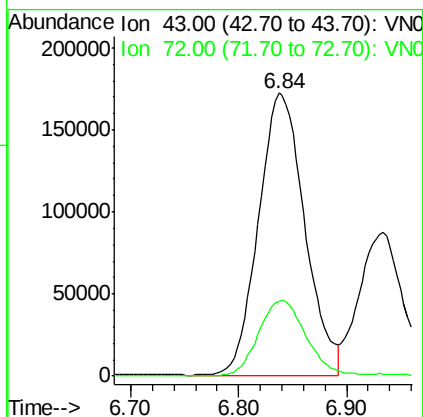
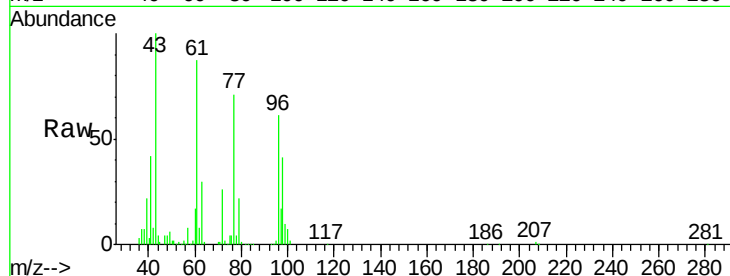
ClientSampleId :

Tot Ion: 43 Resp: 510505

Ion Ratio Lower Upper

43 100

72 26.6 20.2 30.2



#26

2,2-Dichloropropane

Concen: 17.00 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049570.D

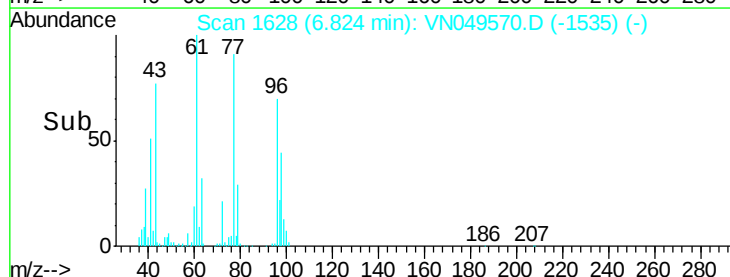
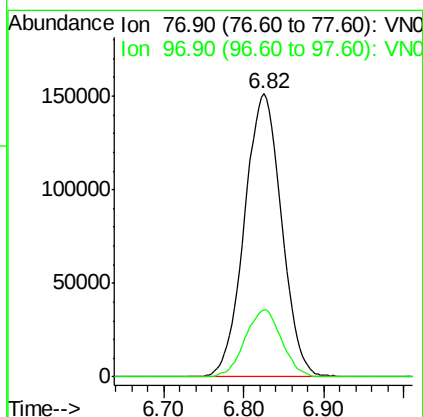
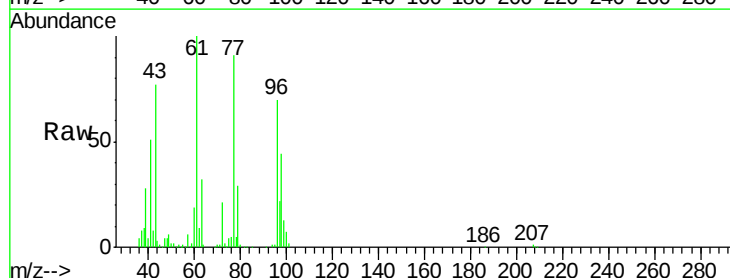
Acq: 27 Jun 2018 14:22

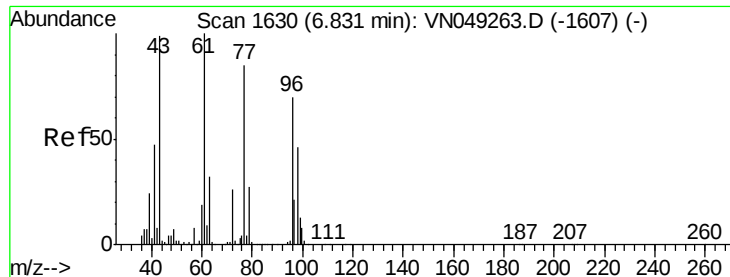
Tgt Ion: 77 Resp: 478420

Ion Ratio Lower Upper

77 100

97 23.4 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 17.17 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

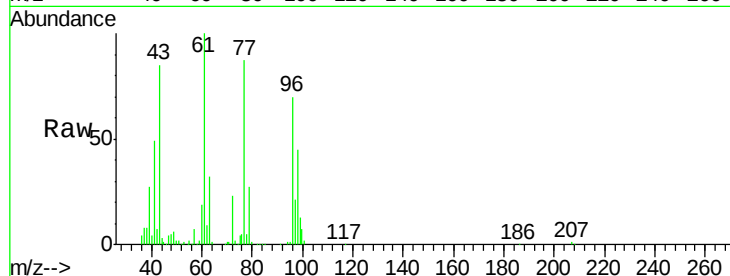
Tot Ion: 96 Resp: 348922

Ion Ratio Lower Upper

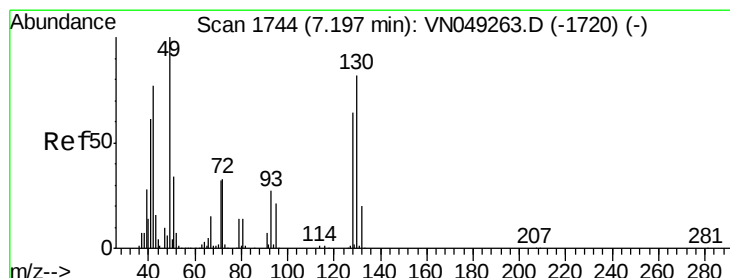
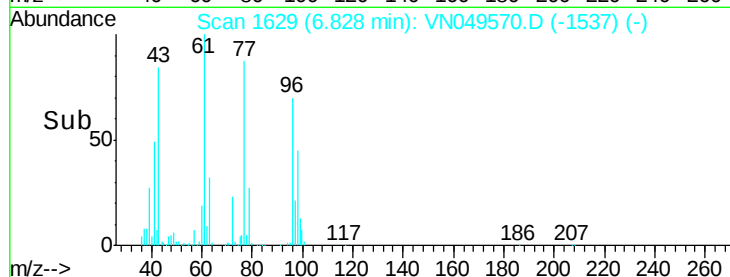
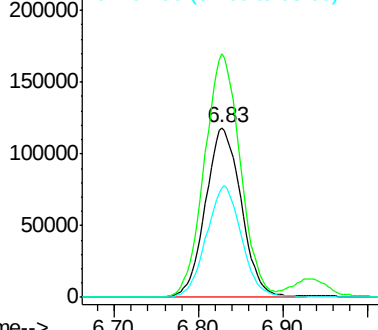
96 100

61 143.7 0.0 316.4

98 64.4 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 15.61 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

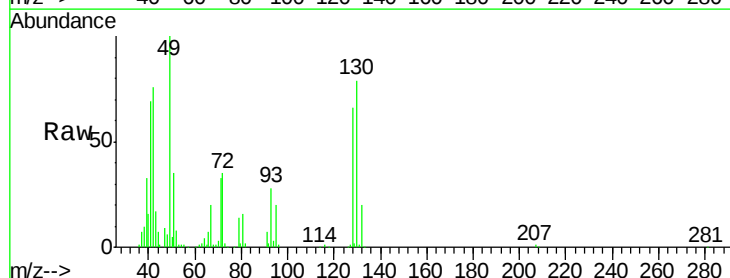
Tgt Ion: 49 Resp: 241058

Ion Ratio Lower Upper

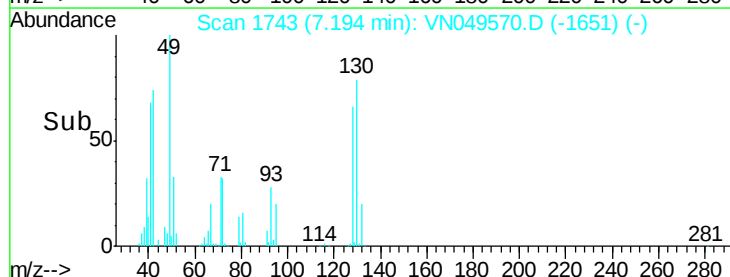
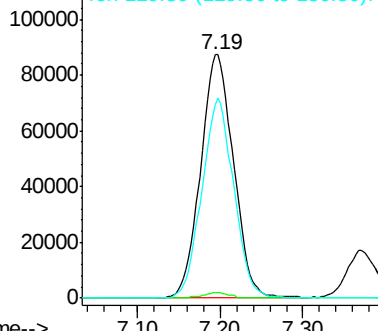
49 100

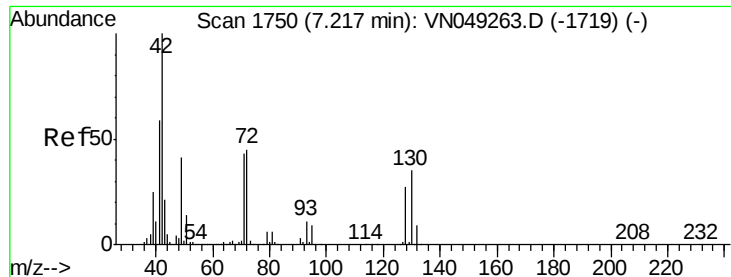
129 1.9 0.0 3.8

130 79.4 54.9 82.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 85.00 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

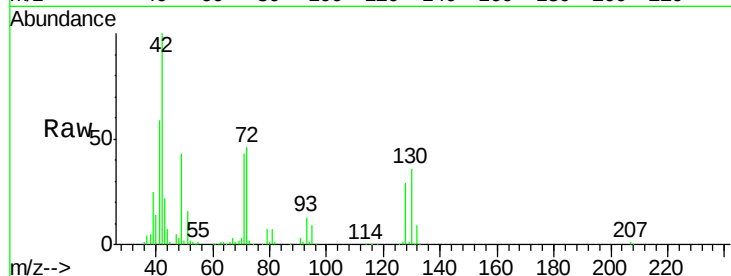
Tot Ion: 42 Resp: 356248

Ion Ratio Lower Upper

42 100

72 44.2 32.2 48.4

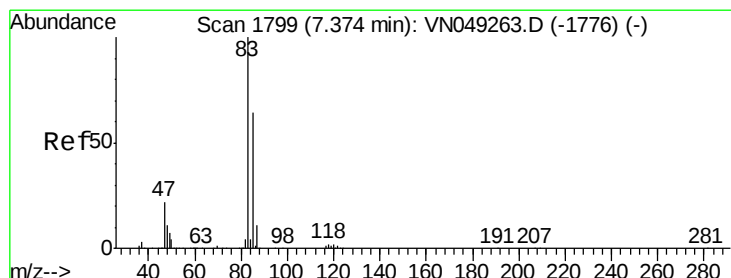
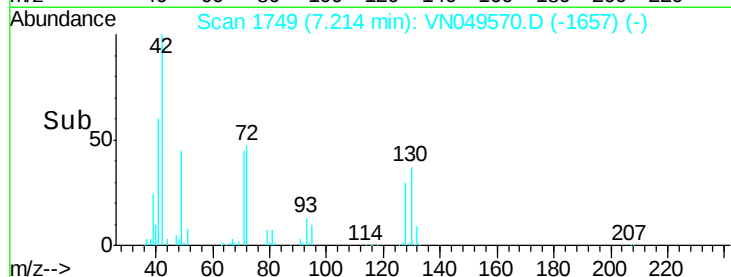
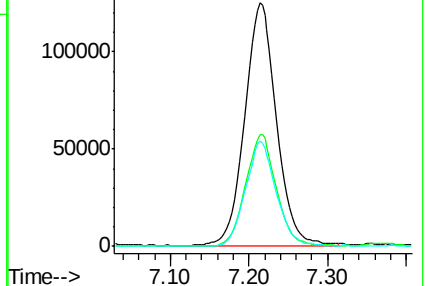
71 41.9 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049570.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049570.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049570.D (-1657) (-)



#30

Chloroform

Concen: 16.96 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049570.D

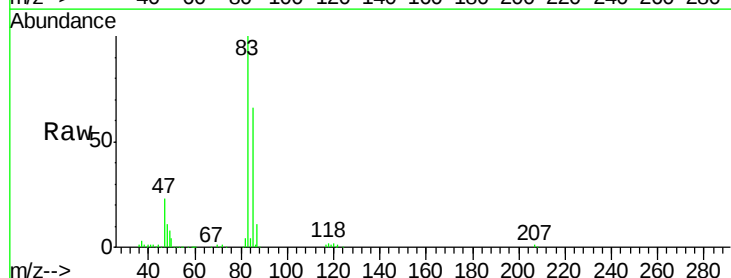
Acq: 27 Jun 2018 14:22

Tgt Ion: 83 Resp: 588040

Ion Ratio Lower Upper

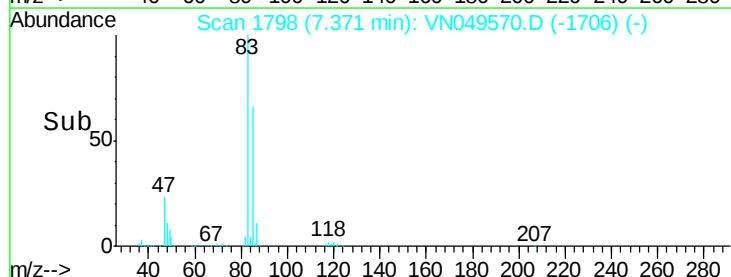
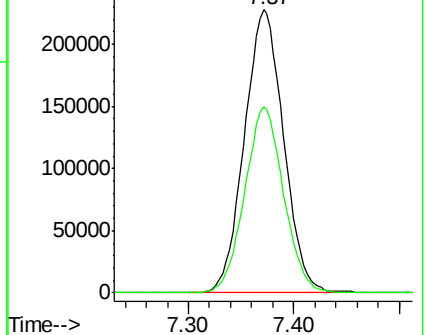
83 100

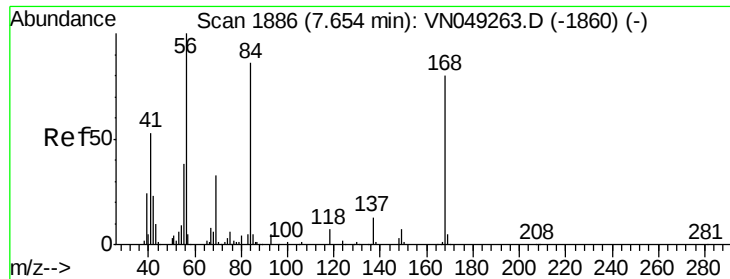
85 65.8 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049570.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049570.D (-1706) (-)

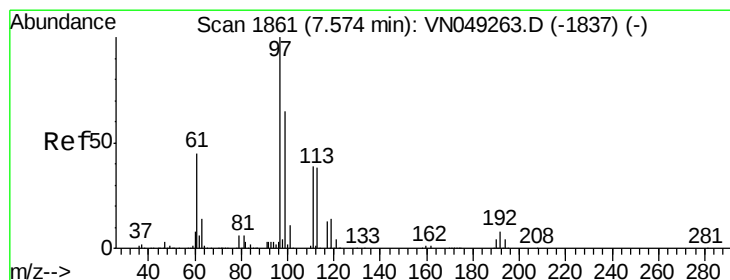
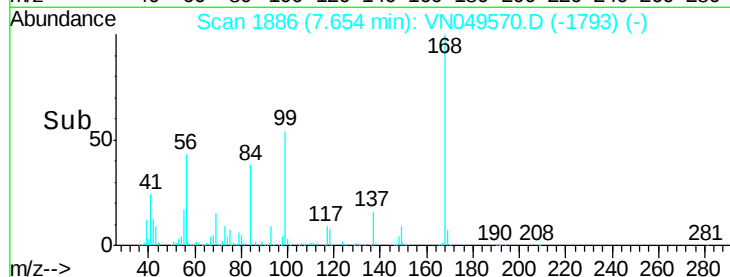
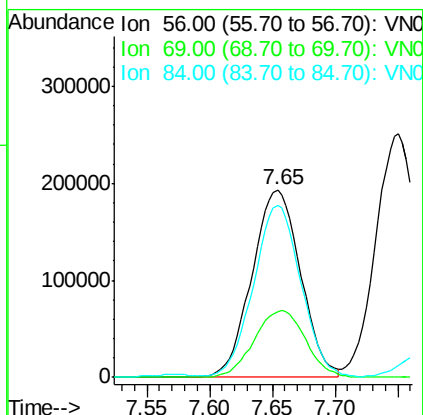
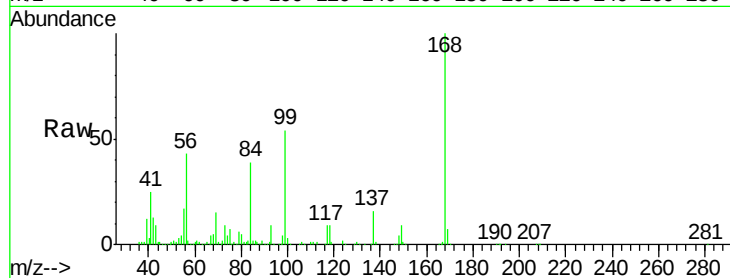




#31
Cyclohexane
Concen: 17.49 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

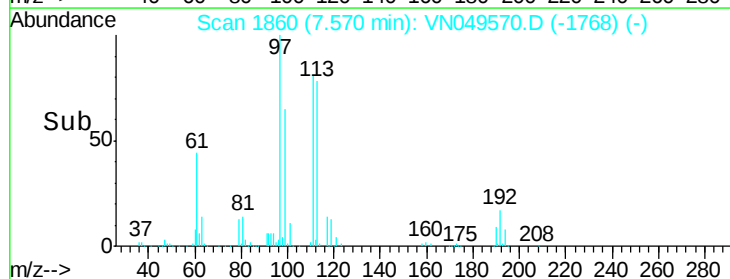
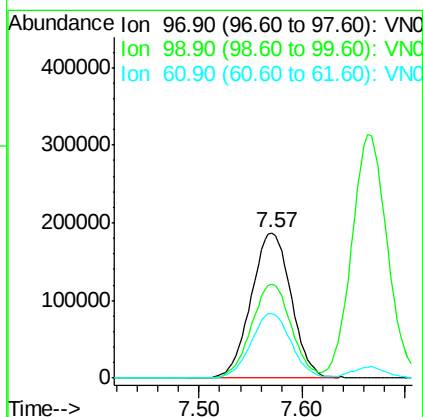
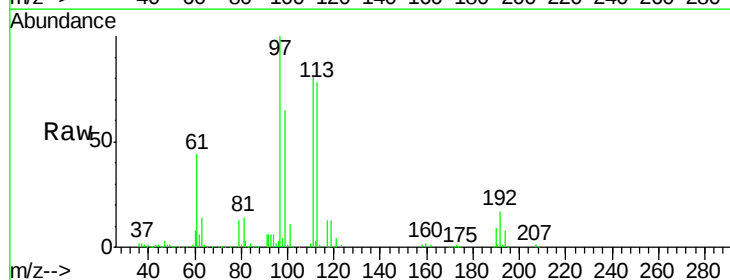
Instrument :
MSVOA_N
ClientSampleId :

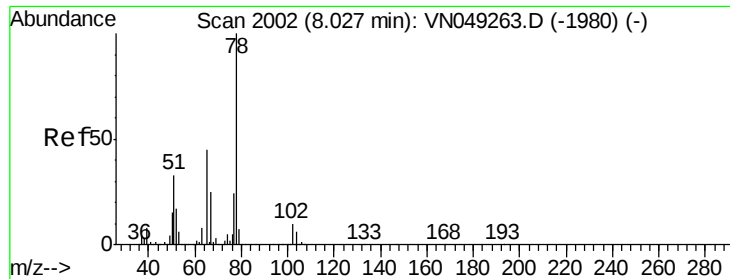
Tot Ion: 56 Resp: 520134
Ion Ratio Lower Upper
56 100
69 35.0 25.0 37.4
84 90.9 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 17.02 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 97 Resp: 503444
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 44.5 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 45.55 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

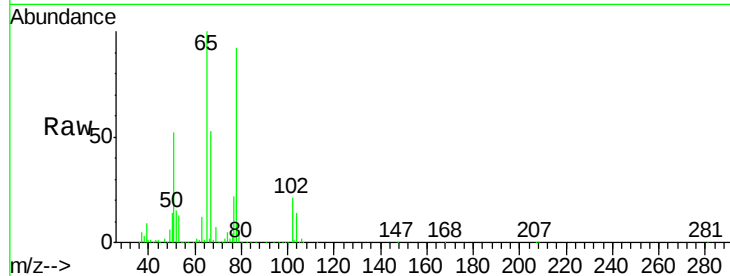
ClientSampleId :

Tot Ion: 65 Resp: 909646

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049570.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049570.D (-1909) (-)

8.03

400000

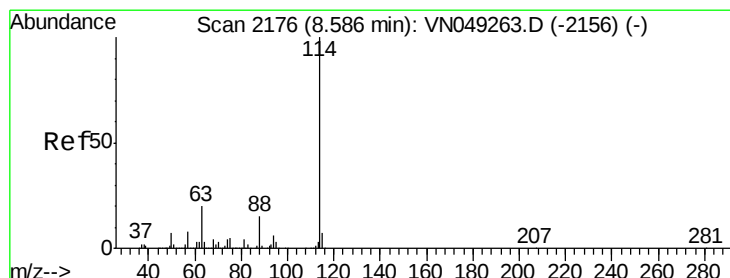
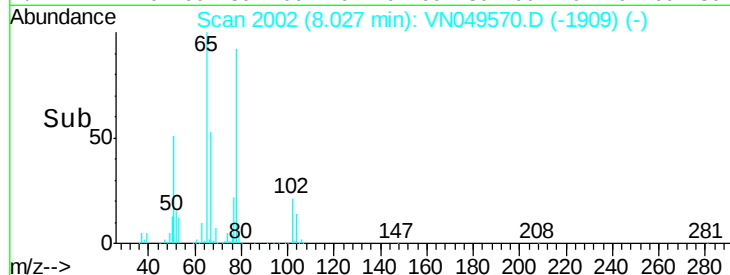
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

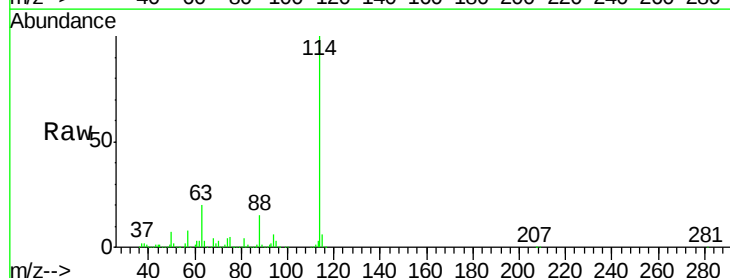
Tgt Ion: 114 Resp: 2275984

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

88 14.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049570.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049570.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049570.D (-2083) (-)

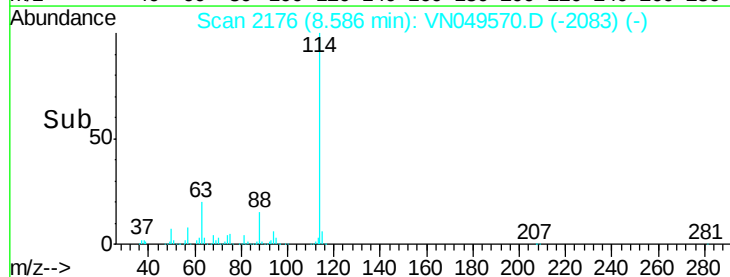
8.59

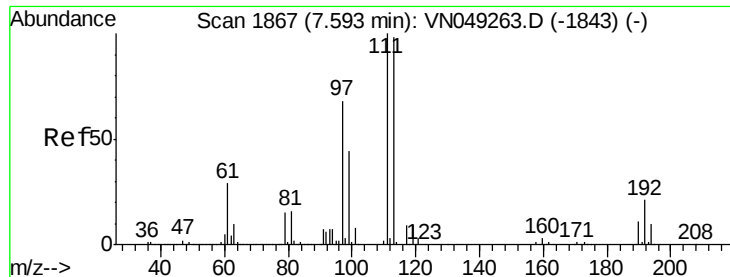
1000000

500000

0

Time-->

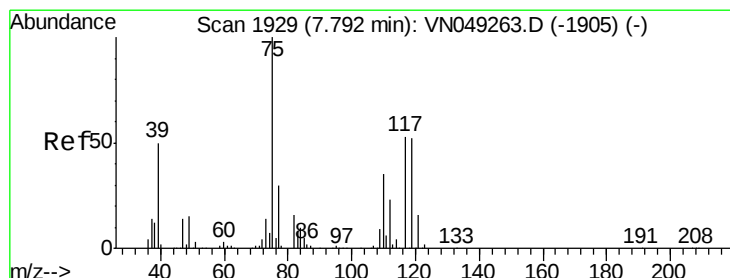
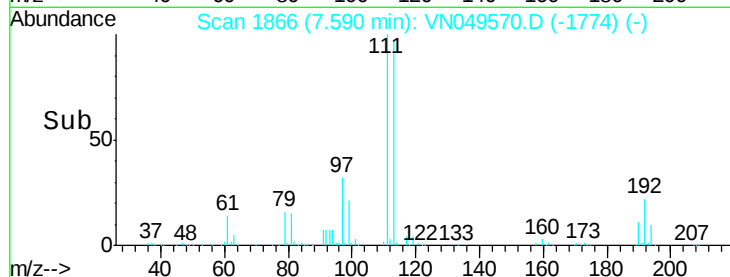
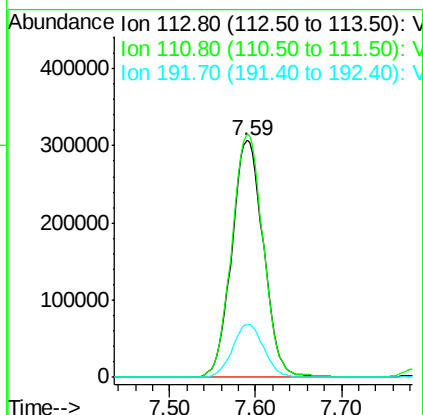
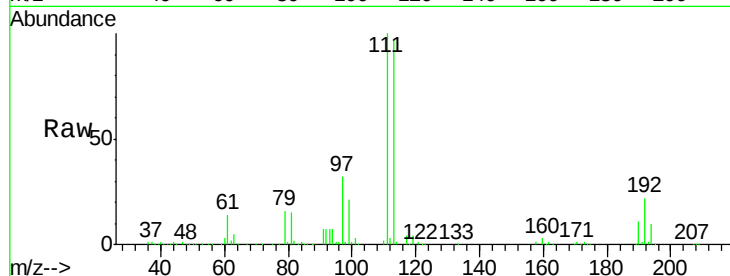




#35
 Dibromofluoromethane
 Concen: 42.71 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

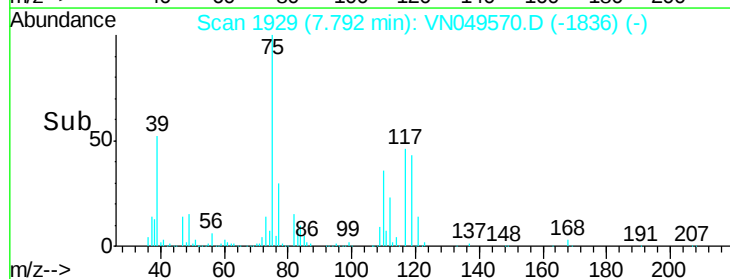
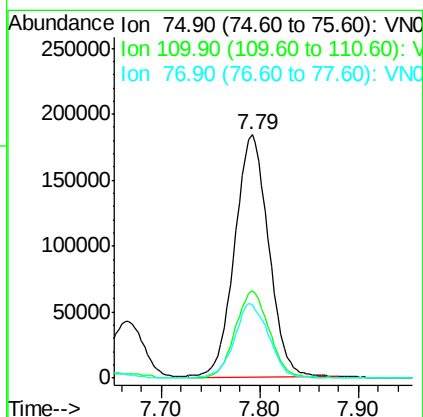
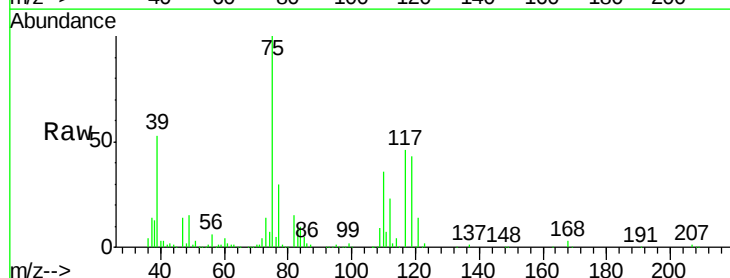
Instrument :
 MSVOA_N
 ClientSampled :

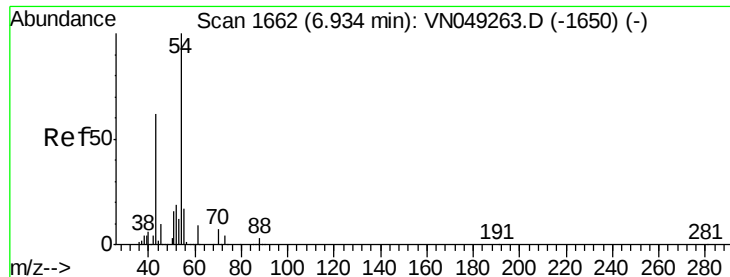
Tot Ion:113 Resp: 786406
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 22.2 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 16.80 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion: 75 Resp: 438129
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.0 50.9
 77 30.7 24.4 36.6

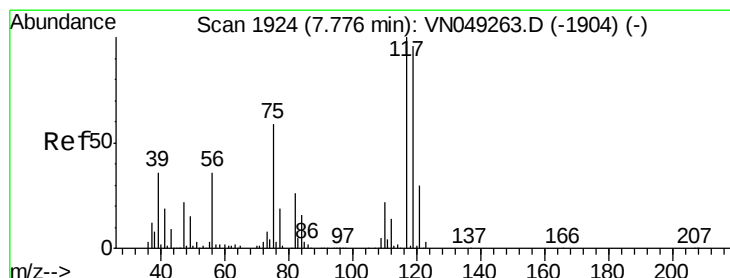
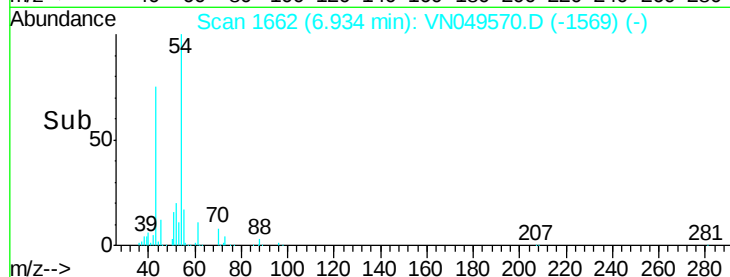
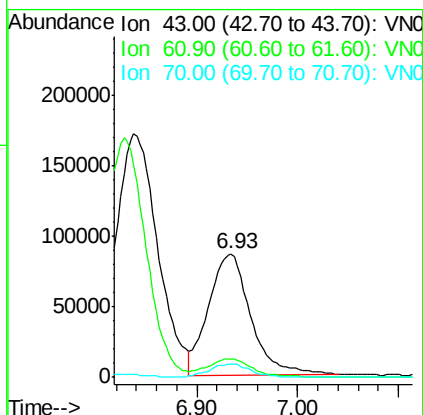
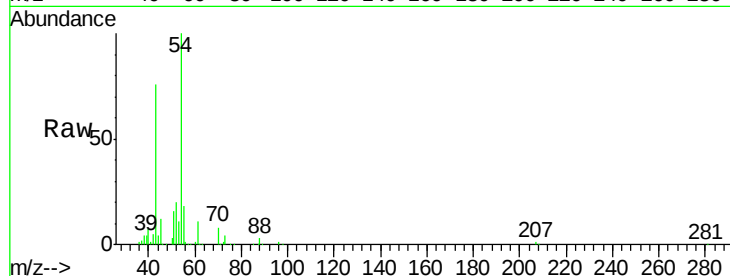




#37
Ethyl Acetate
Concen: 17.53 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

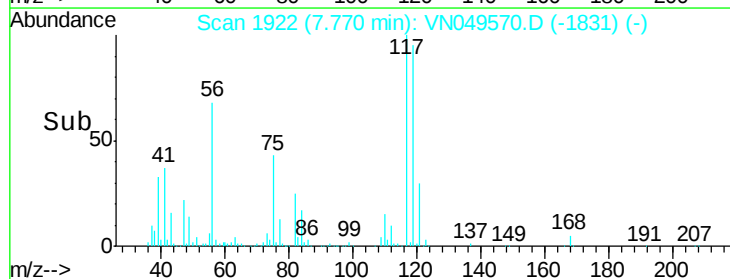
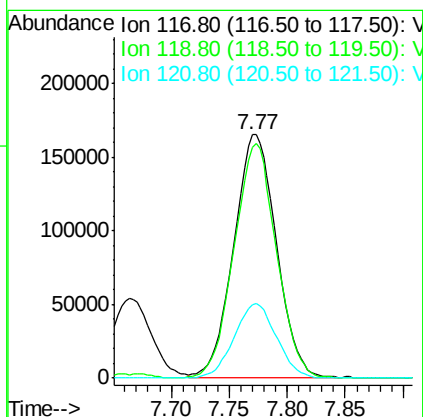
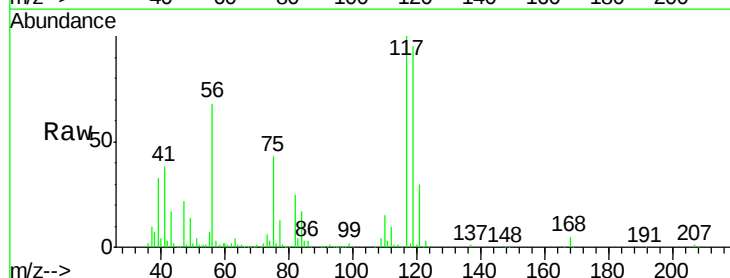
Instrument :
MSVOA_N
ClientSampleId :

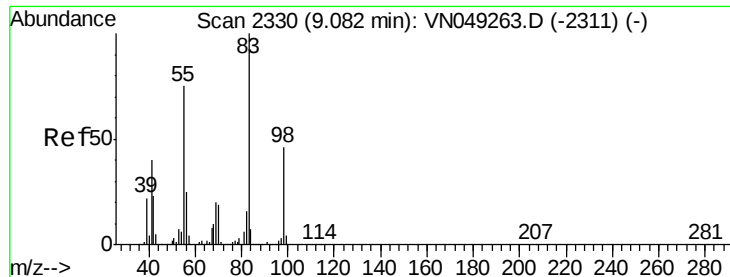
Tot Ion: 43 Resp: 248630
Ion Ratio Lower Upper
43 100
61 15.4 11.0 16.4
70 10.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 15.56 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 117 Resp: 420168
Ion Ratio Lower Upper
117 100
119 94.7 75.6 113.4
121 30.0 24.7 37.1

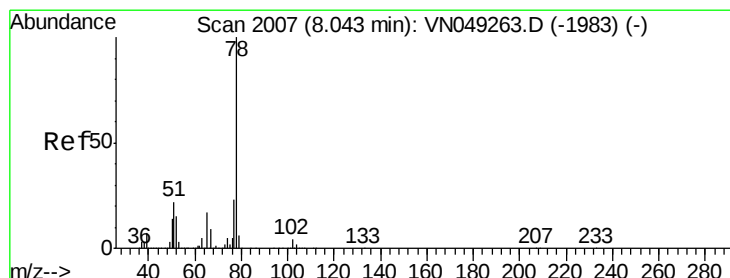
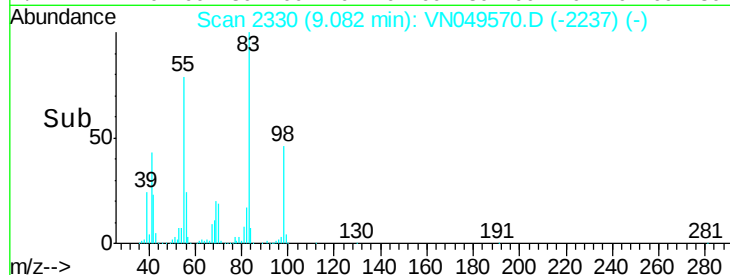
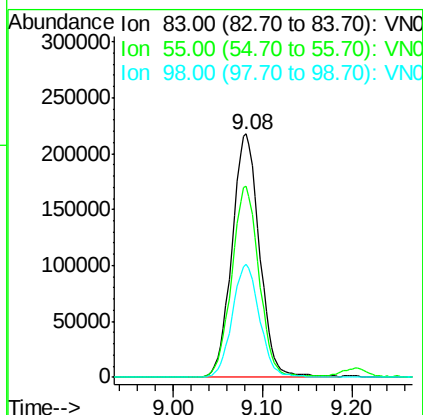
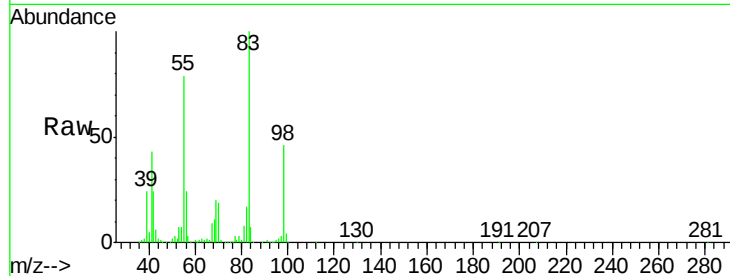




#39
Methvlcvclohexane
Concen: 16.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

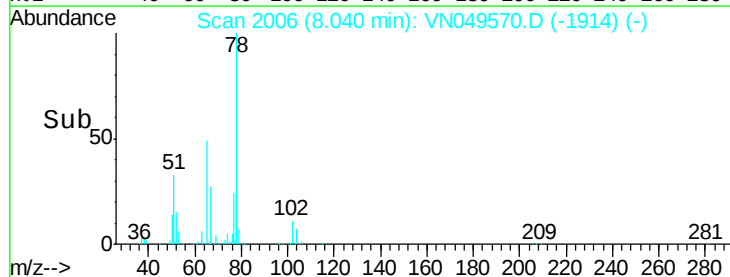
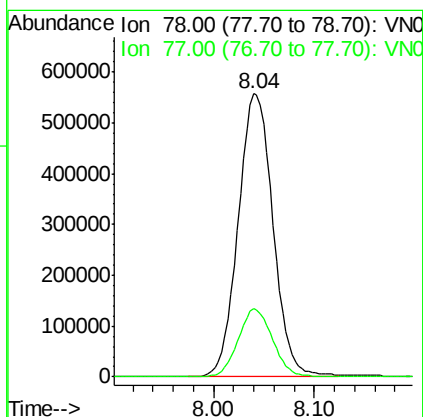
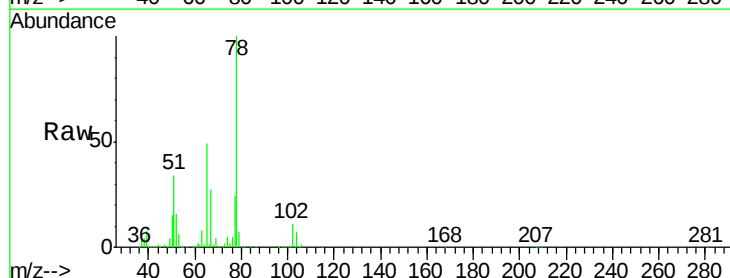
Instrument :
MSVOA_N
ClientSampleId :

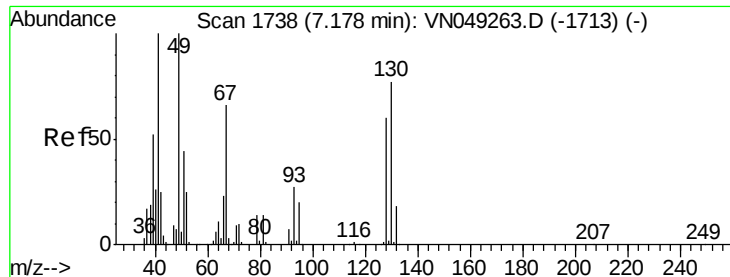
Tot Ion: 83 Resp: 466129
Ion Ratio Lower Upper
83 100
55 78.6 65.1 97.7
98 46.4 36.5 54.7



#40
Benzene
Concen: 16.69 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 78 Resp: 1334818
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0

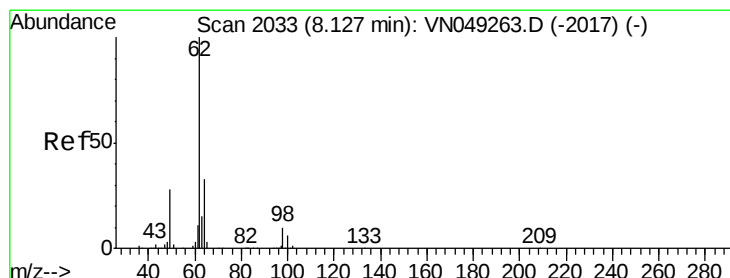
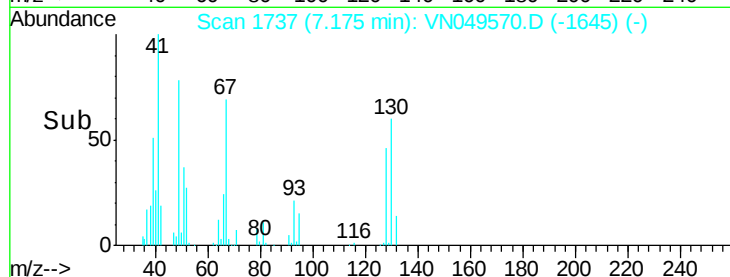
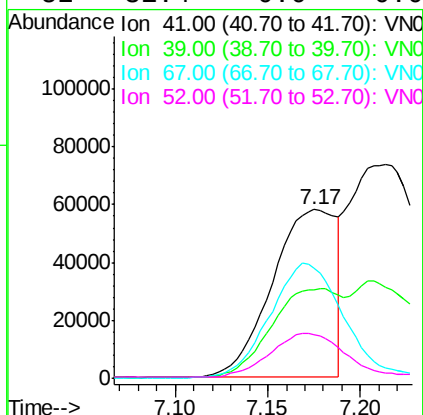
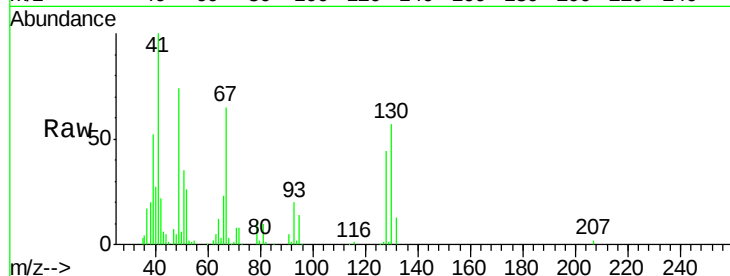




#41
Methacrylonitrile
Concen: 18.22 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

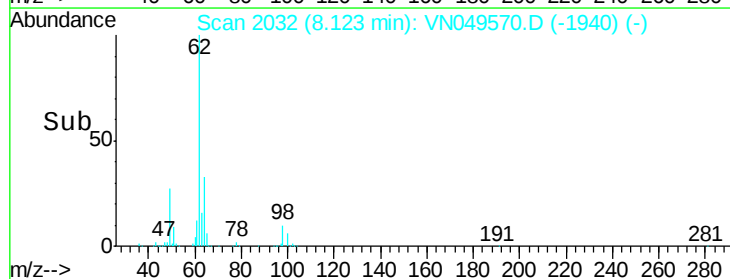
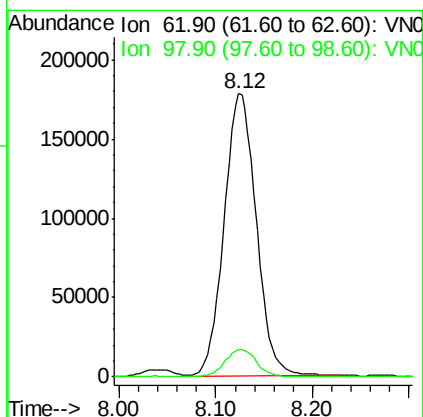
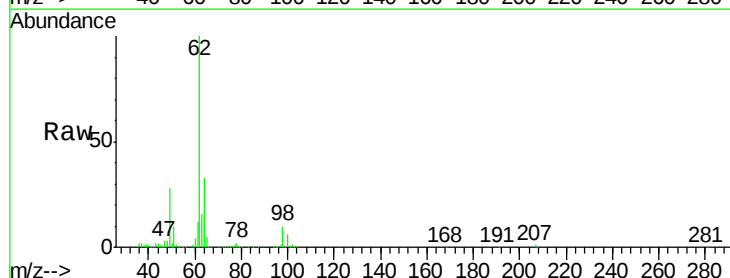
Instrument :
MSVOA_N
ClientSampled :

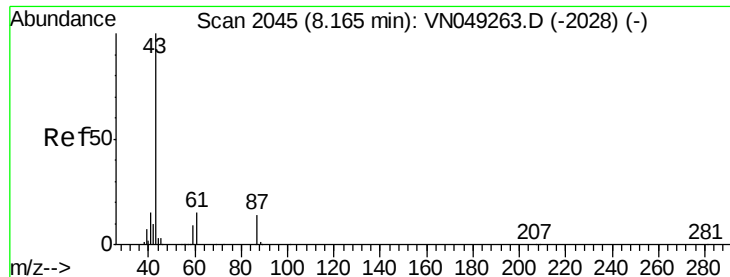
Tot Ion: 41 Resp: 139717
Ion Ratio Lower Upper
41 100
39 57.5 0.0 0.0#
67 79.0 0.0 0.0#
52 31.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 16.71 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 62 Resp: 412812
Ion Ratio Lower Upper
62 100
98 9.7 0.0 16.2





#43

Isopropyl Acetate

Concen: 29.54 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

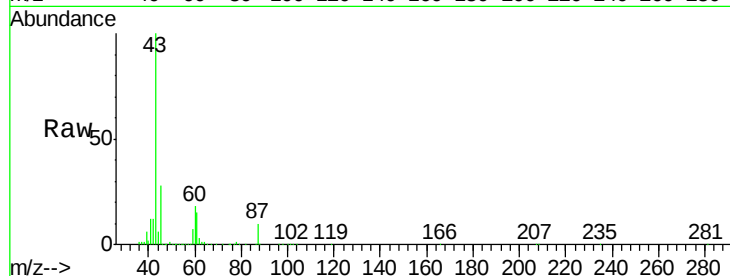
Tot Ion: 43 Resp: 800256

Ion Ratio Lower Upper

43 100

61 11.4 14.2 21.4#

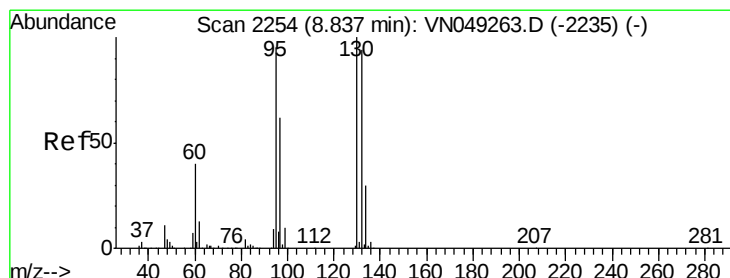
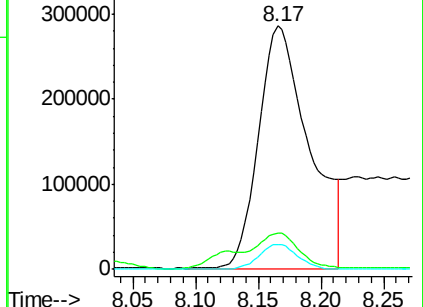
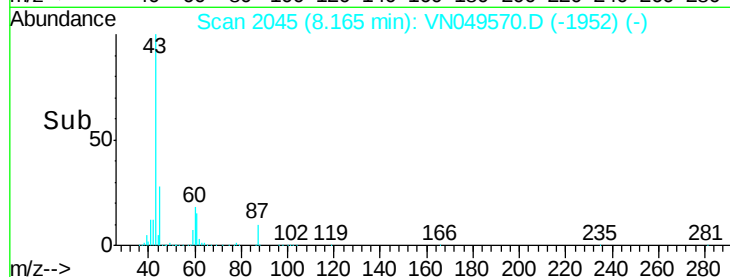
87 7.9 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049570.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049570.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049570.D (-1952) (-)



#44

Trichloroethene

Concen: 18.78 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049570.D

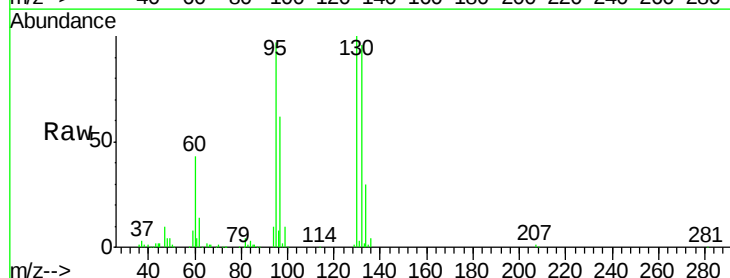
Acq: 27 Jun 2018 14:22

Tgt Ion:130 Resp: 396617

Ion Ratio Lower Upper

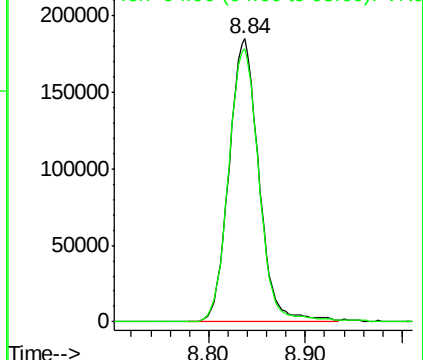
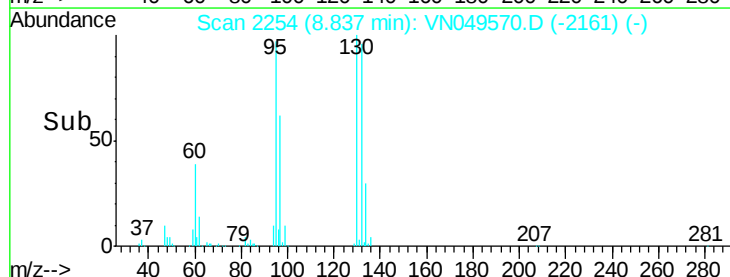
130 100

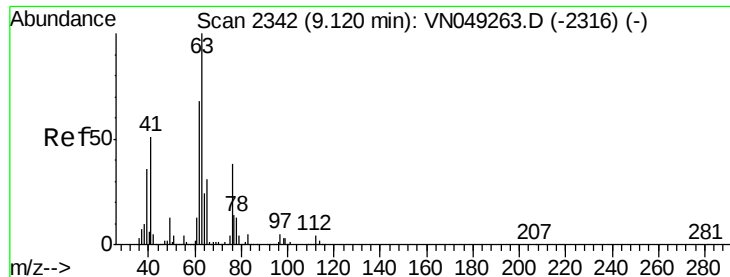
95 96.6 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049570.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049570.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 16.47 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

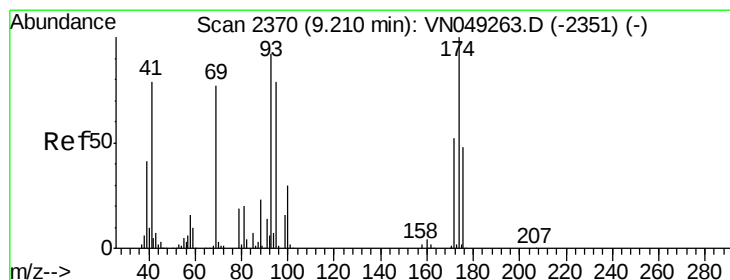
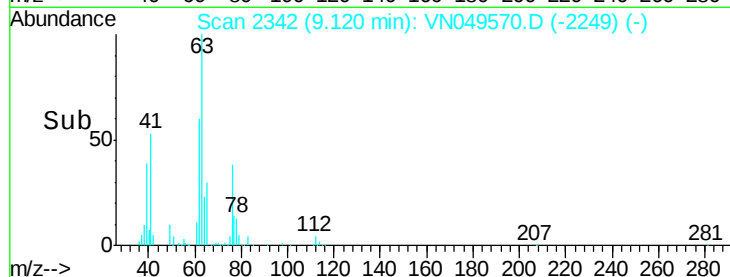
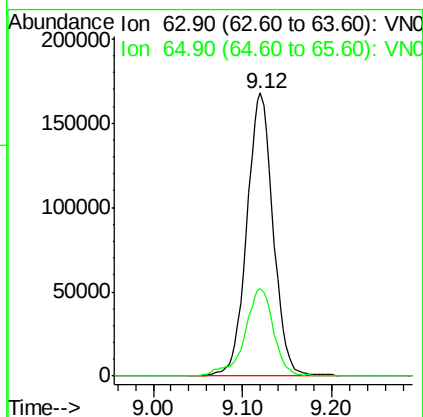
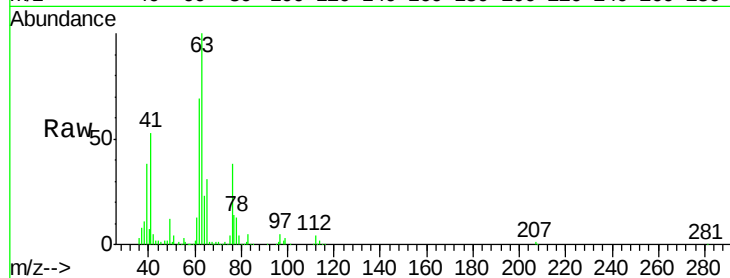
ClientSampleId :

Tot Ion: 63 Resp: 344927

Ion Ratio Lower Upper

63 100

65 30.8 24.8 37.2



#46

Dibromomethane

Concen: 16.61 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

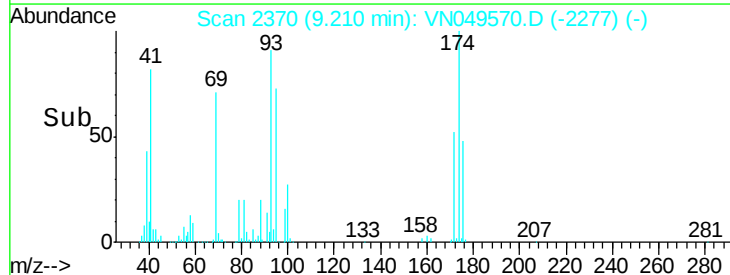
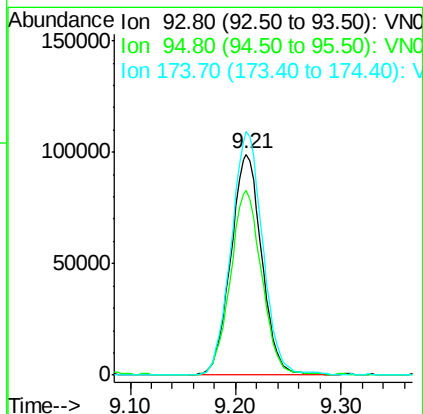
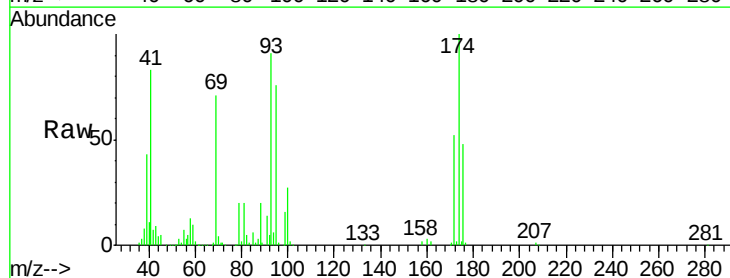
Tgt Ion: 93 Resp: 201613

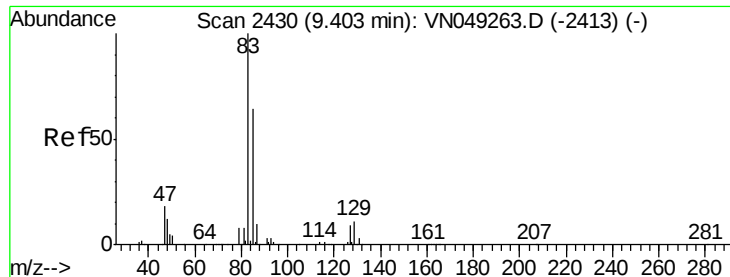
Ion Ratio Lower Upper

93 100

95 84.3 67.2 100.8

174 111.5 75.6 113.4





#47

Bromodichloromethane

Concen: 16.36 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :
MSVOA_N
ClientSampled :

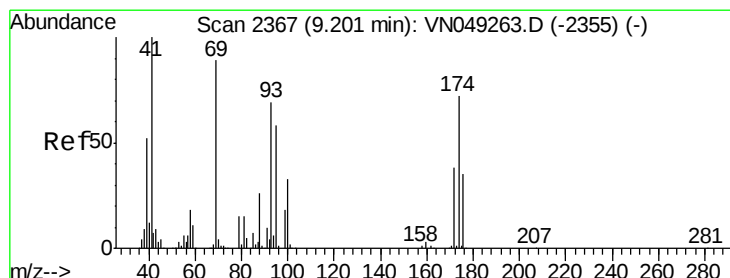
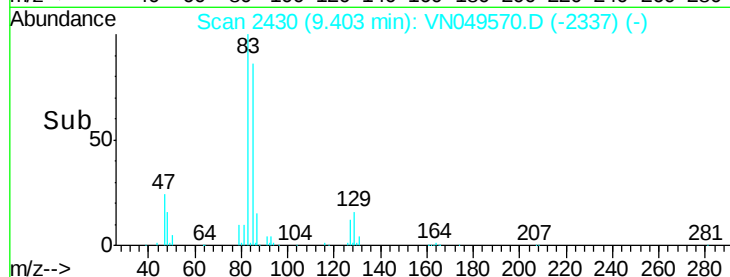
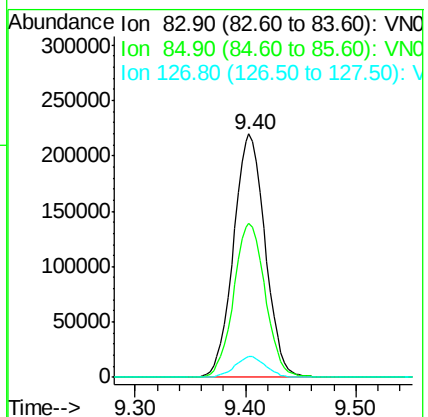
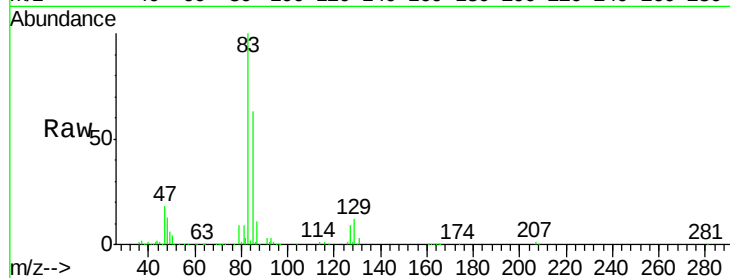
Tot Ion: 83 Resp: 436500

Ion Ratio Lower Upper

83 100

85 63.3 49.4 74.0

127 8.7 6.3 9.5



#48

Methyl methacrylate

Concen: 16.98 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

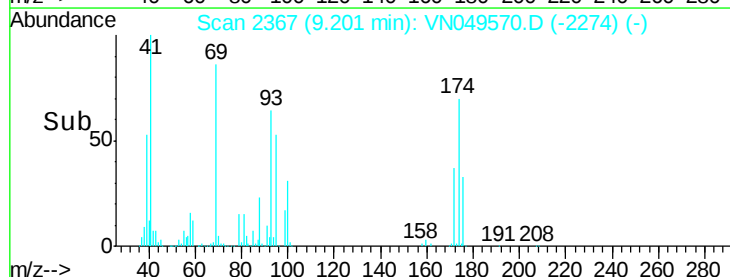
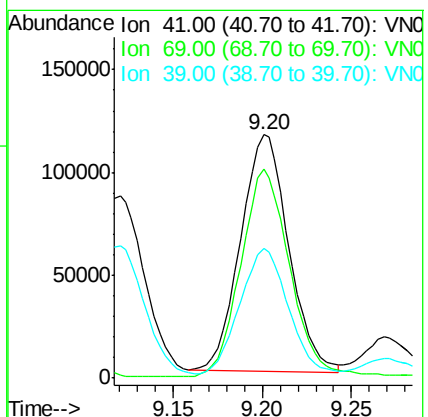
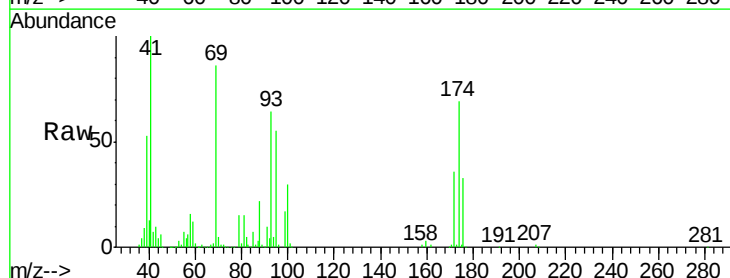
Tgt Ion: 41 Resp: 216612

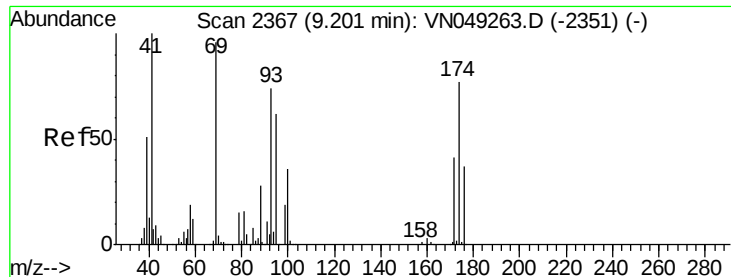
Ion Ratio Lower Upper

41 100

69 90.7 62.0 93.0

39 56.3 50.6 75.8

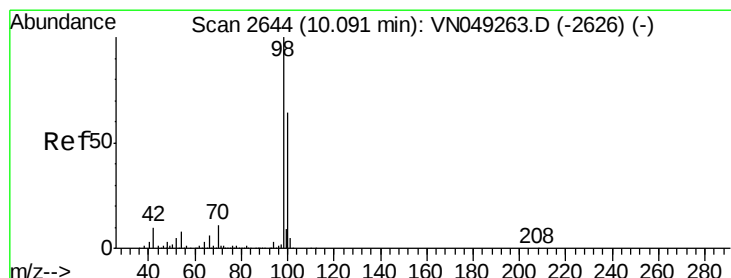
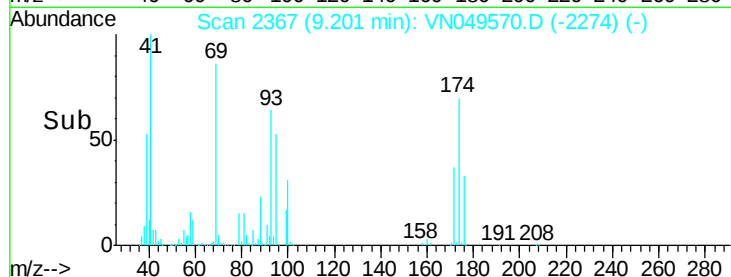
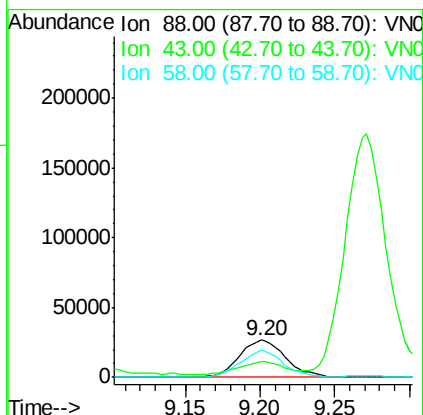
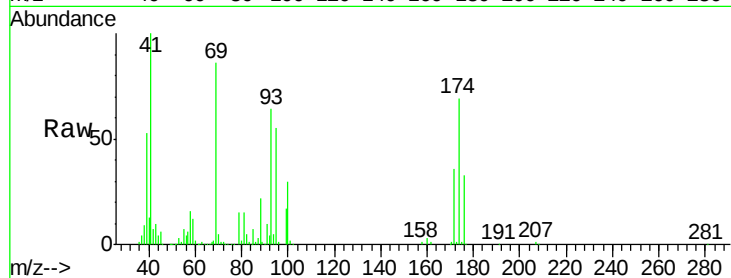




#49
1,4-Dioxane
Concen: 325.46 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

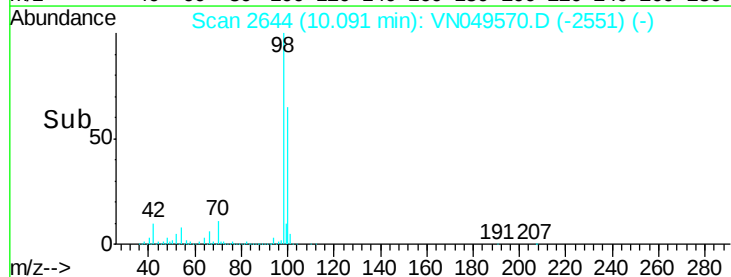
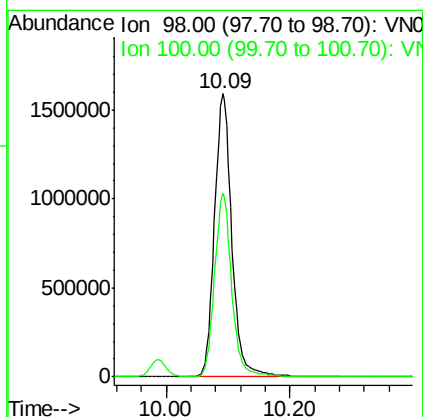
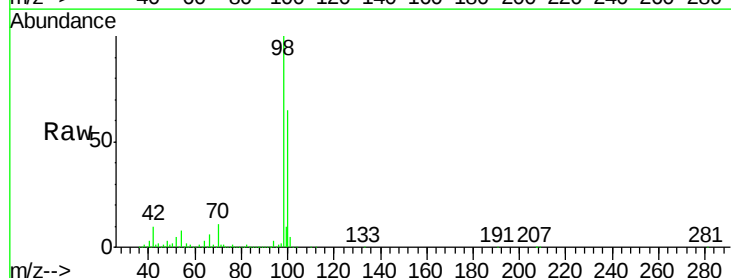
Instrument :
MSVOA_N
ClientSampled :

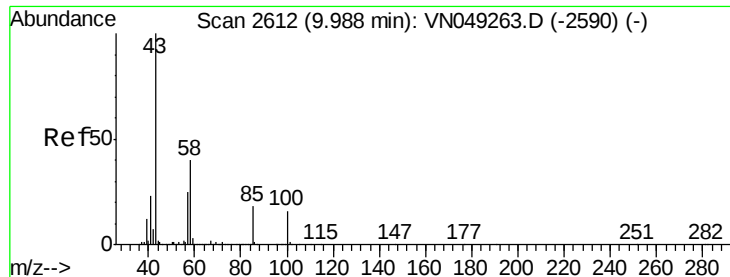
Tot Ion: 88 Resp: 57313
Ion Ratio Lower Upper
88 100
43 34.6 30.9 46.3
58 68.2 58.9 88.3



#50
Toluene-d8
Concen: 44.04 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 98 Resp: 3087594
Ion Ratio Lower Upper
98 100
100 64.4 49.8 74.8

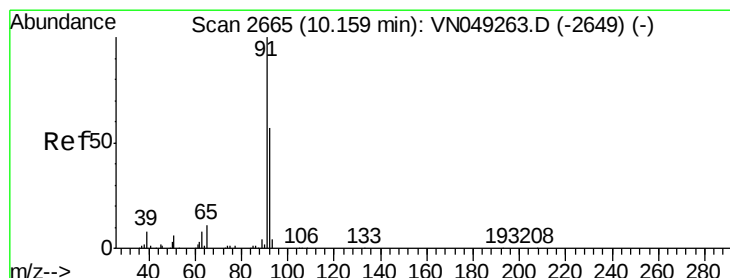
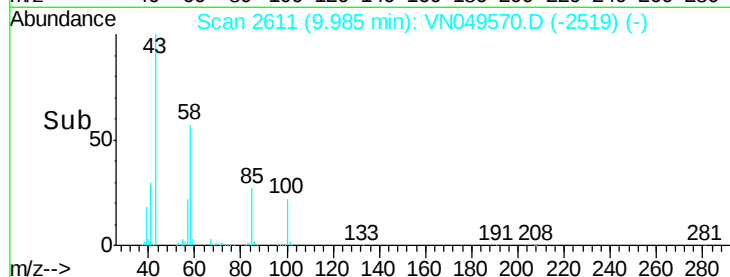
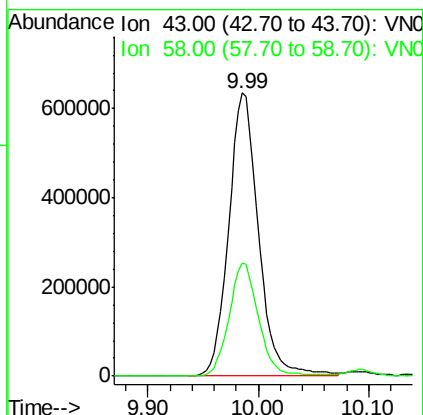
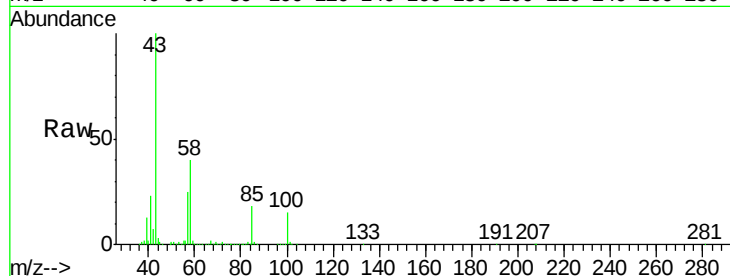




#51
4-Methyl-2-Pentanone
Concen: 83.29 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

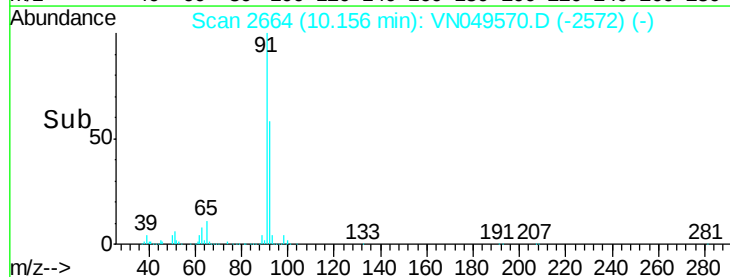
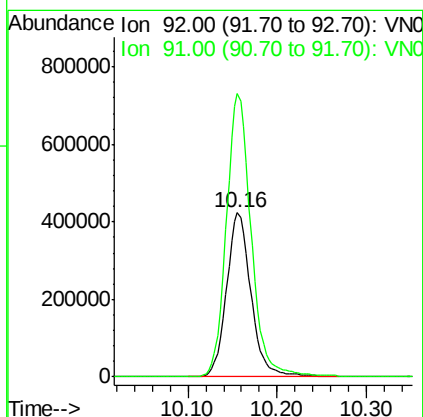
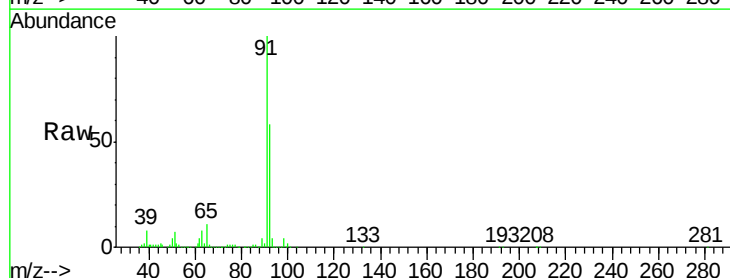
Instrument :
MSVOA_N
ClientSampleId :

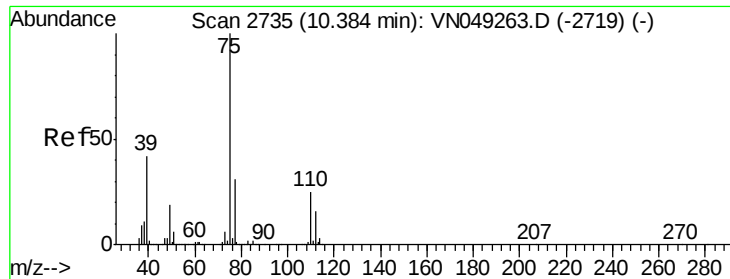
Tot Ion: 43 Resp: 1182735
Ion Ratio Lower Upper
43 100
58 39.9 29.0 43.6



#52
Toluene
Concen: 17.12 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion: 92 Resp: 803339
Ion Ratio Lower Upper
92 100
91 175.3 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 15.81 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

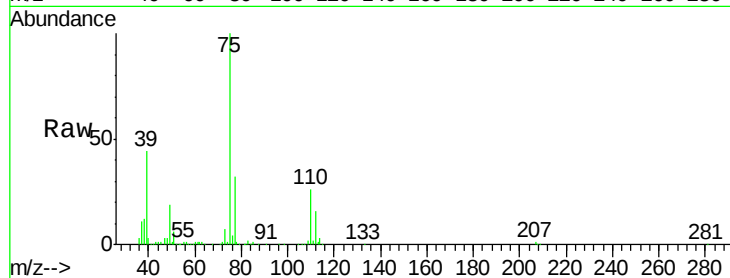
ClientSampled :

Tot Ion: 75 Resp: 403543

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

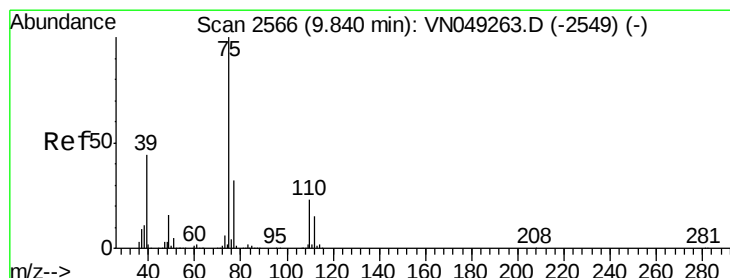
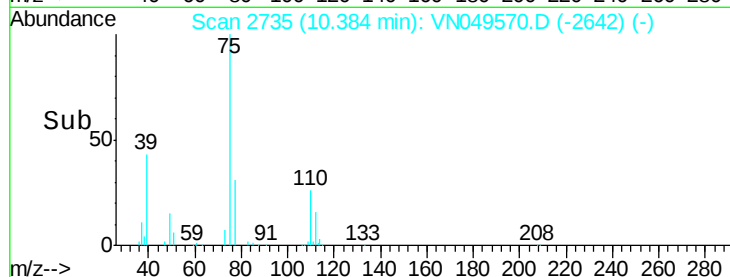
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 16.42 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

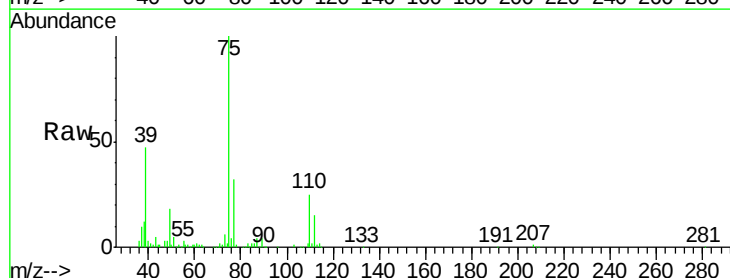
Tgt Ion: 75 Resp: 494901

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 46.5 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

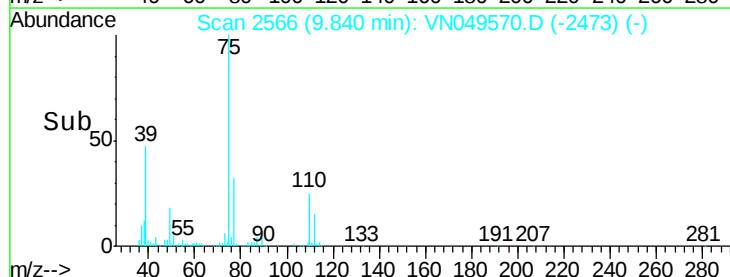
300000

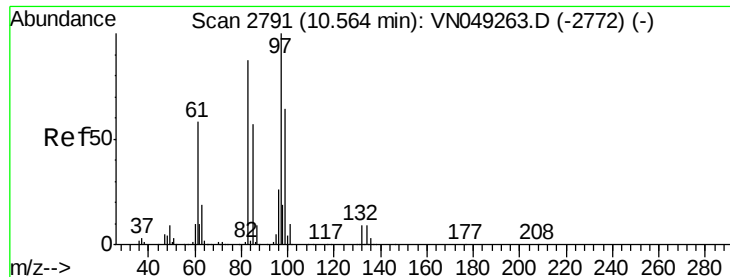
200000

100000

0

Time-->

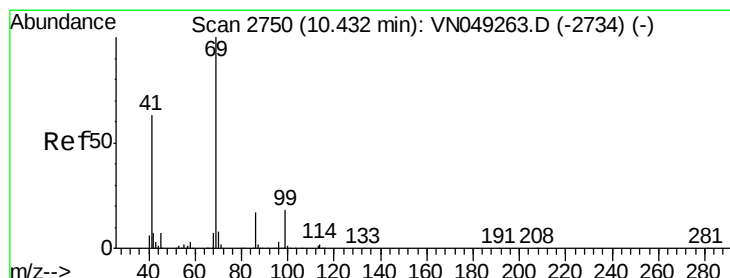
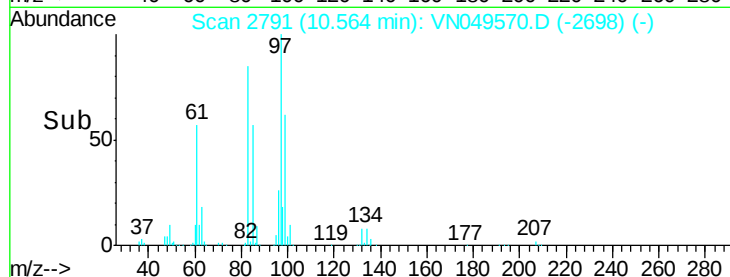
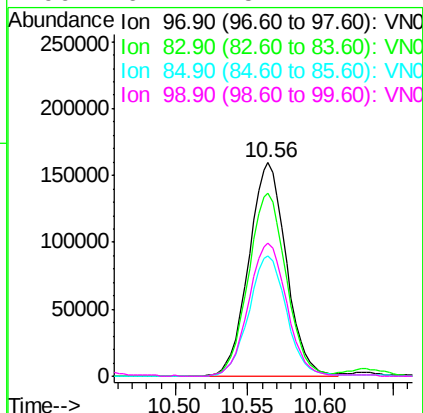
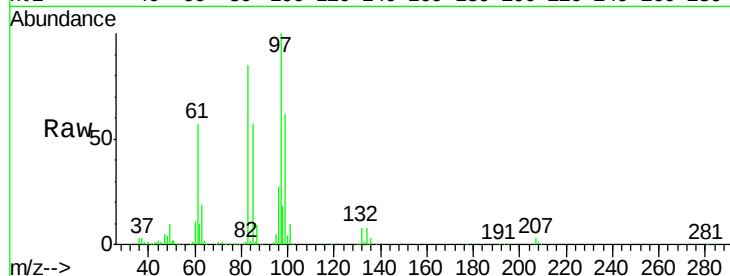




#55
 1,1,2-Trichloroethane
 Concen: 16.41 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

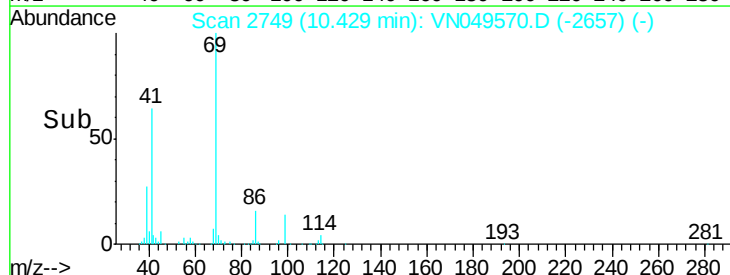
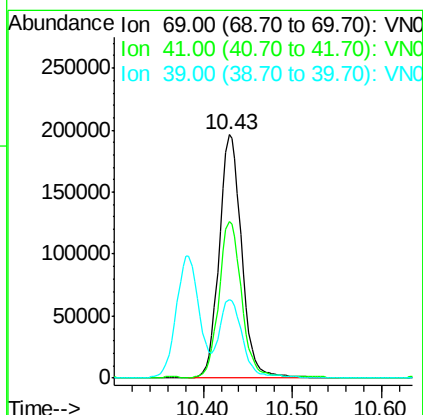
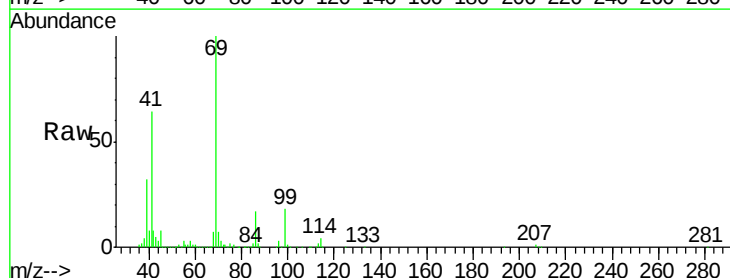
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	287211
Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.5	107.3
85	56.6	47.0	70.4
99	62.4	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 17.01 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion:	69	Resp:	343357
Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	32.7	35.5	53.3#

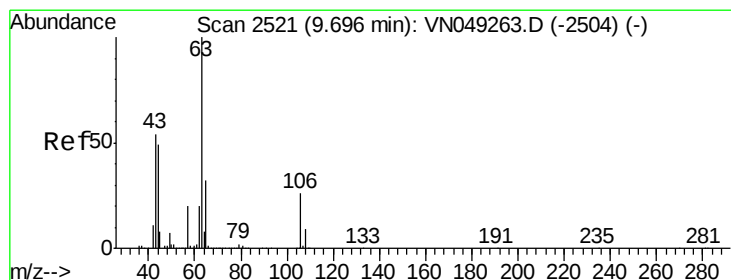
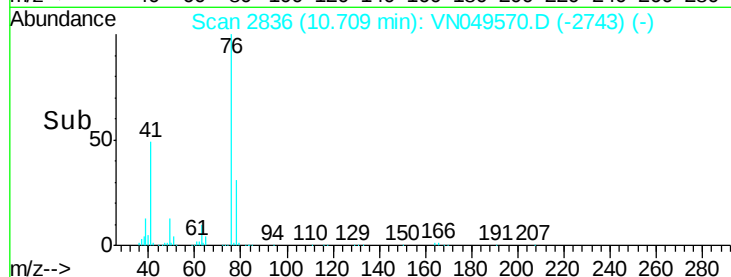
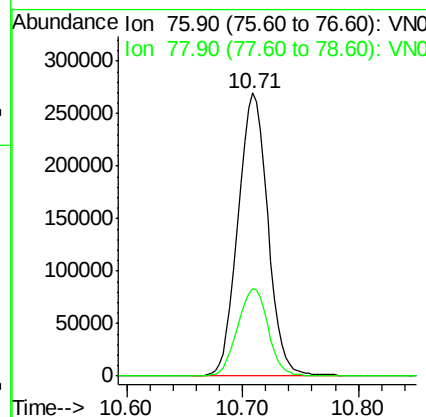
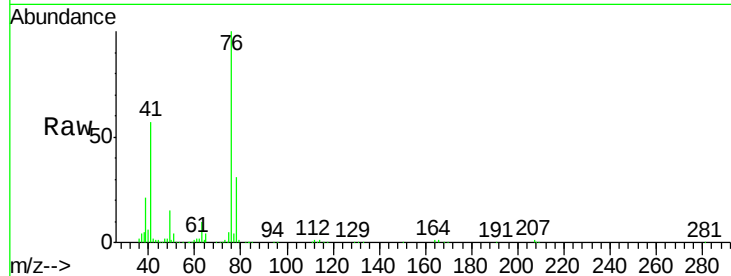




#57
 1,3-Dichloropropane
 Concen: 16.56 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

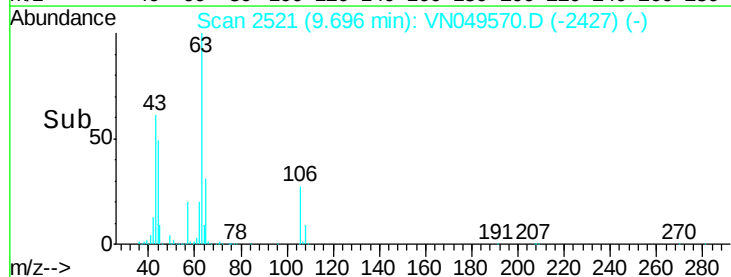
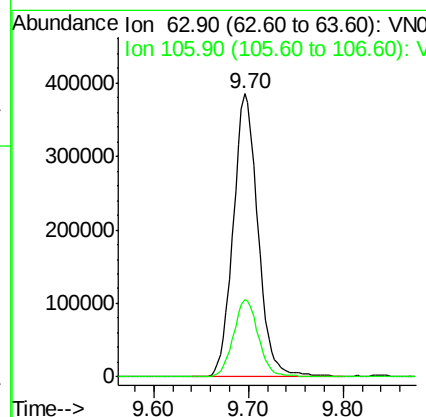
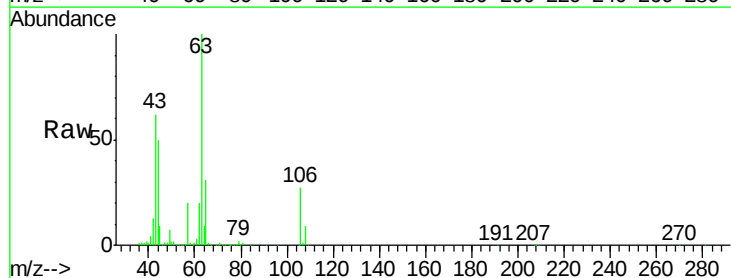
Instrument :
 MSVOA_N
 ClientSampleId :

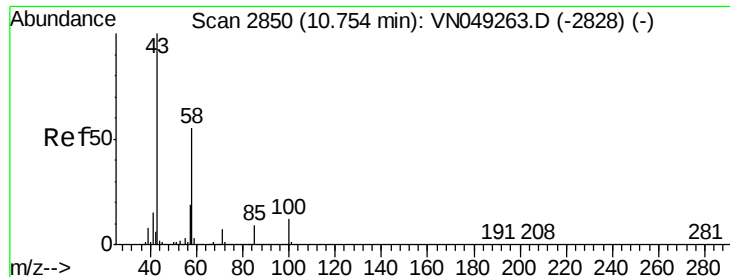
Tot Ion: 76 Resp: 479950
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.11 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion: 63 Resp: 702617
 Ion Ratio Lower Upper
 63 100
 106 27.6 19.4 29.2





#59

2-Hexanone

Concen: 85.22 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

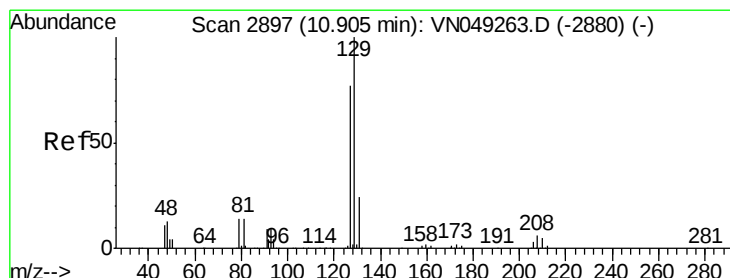
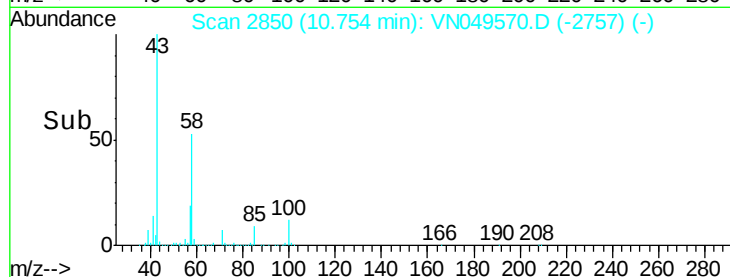
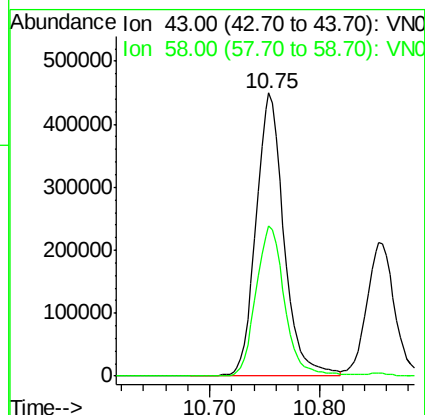
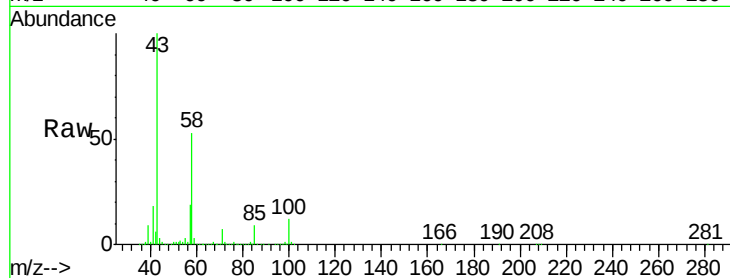
ClientSampled :

Tot Ion: 43 Resp: 780233

Ion Ratio Lower Upper

43 100

58 55.1 25.2 75.6



#60

Dibromochloromethane

Concen: 15.93 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN049570.D

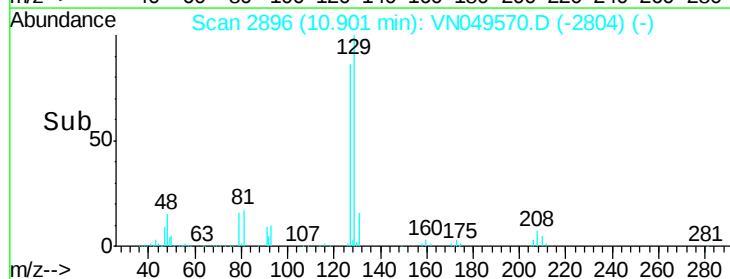
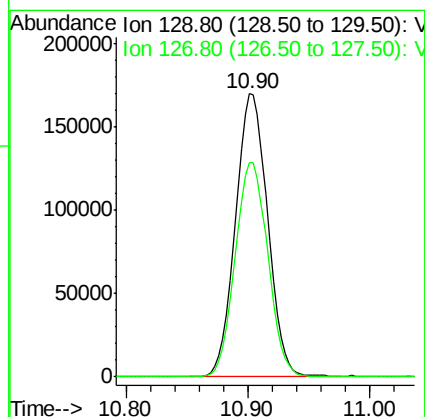
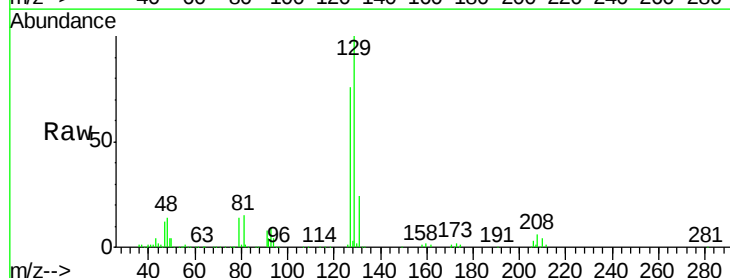
Acq: 27 Jun 2018 14:22

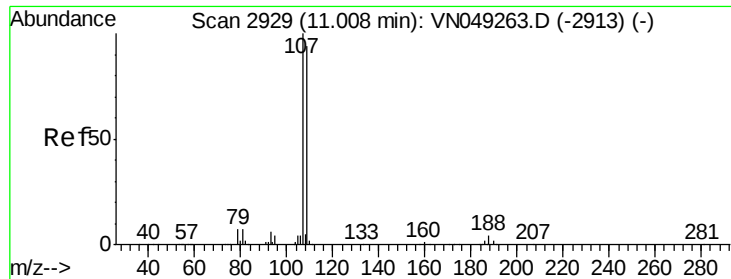
Tgt Ion: 129 Resp: 311053

Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.2

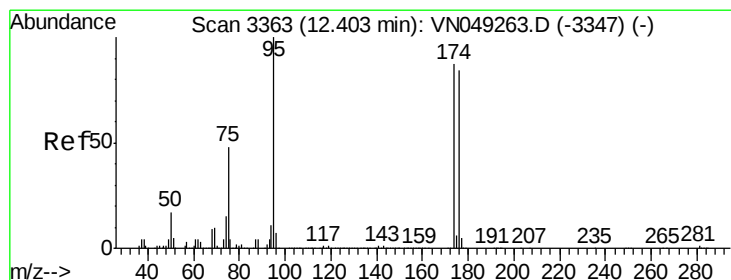
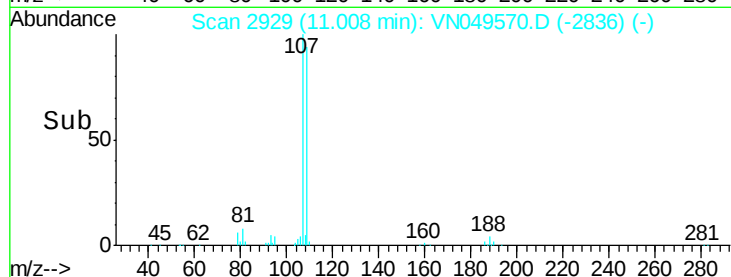
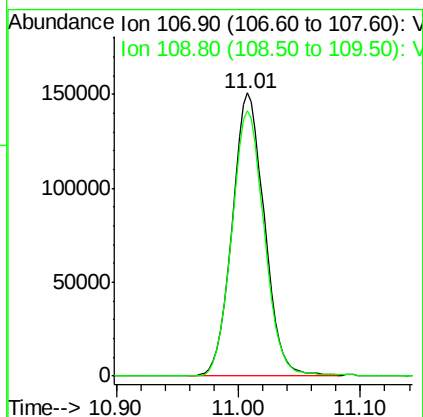
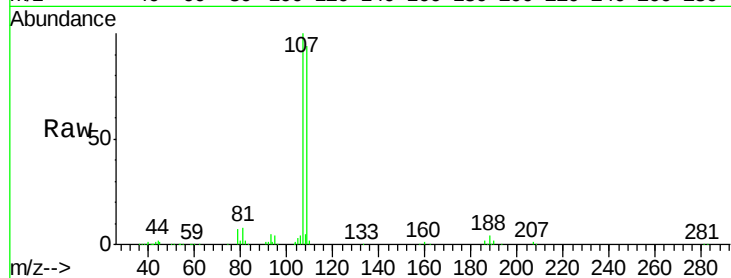




#61
 1,2-Dibromoethane
 Concen: 17.00 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

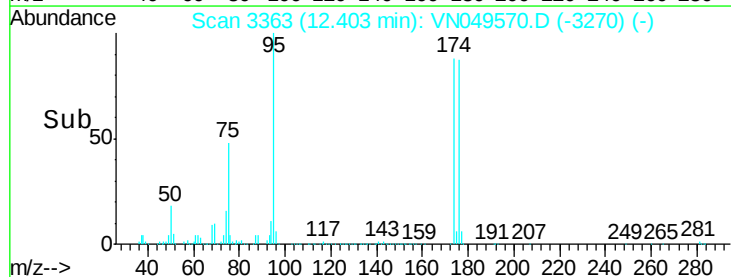
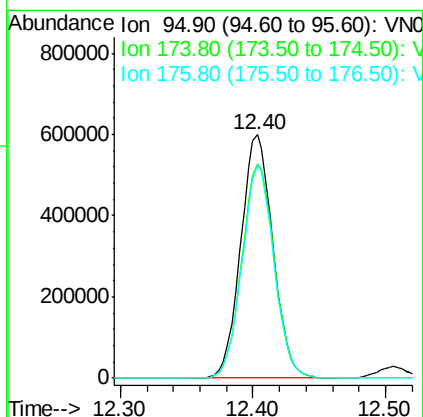
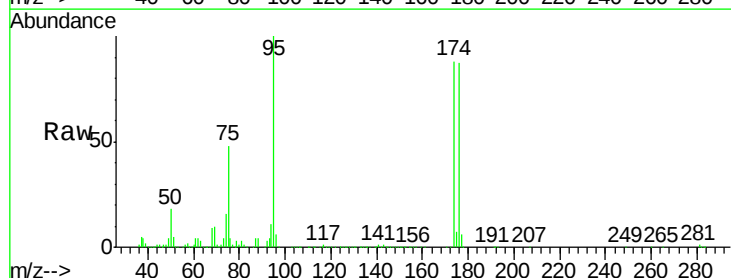
Instrument :
 MSVOA_N
 ClientSampleId :

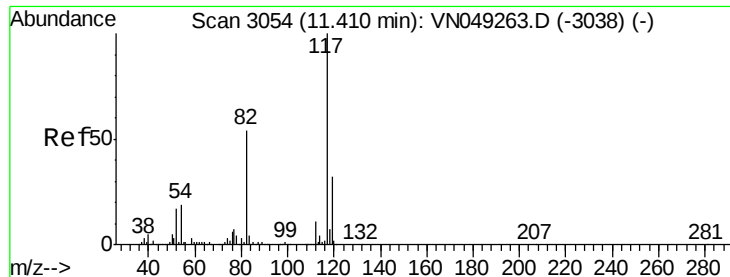
Tot Ion:107 Resp: 276428
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 43.45 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion: 95 Resp: 1007372
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 165.6
 176 86.8 0.0 157.4

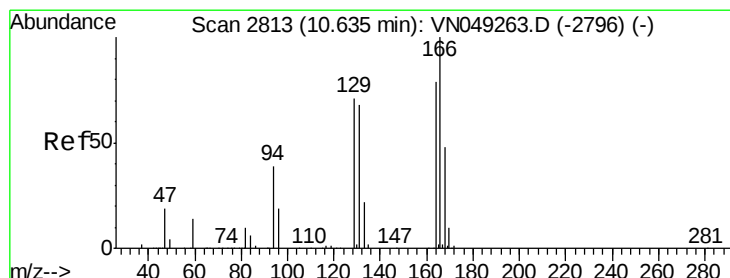
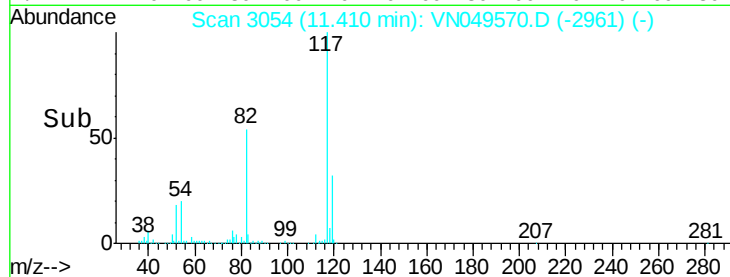
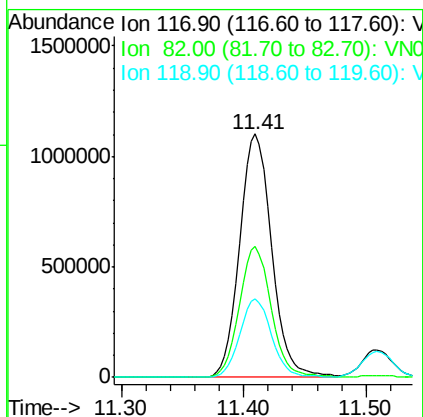
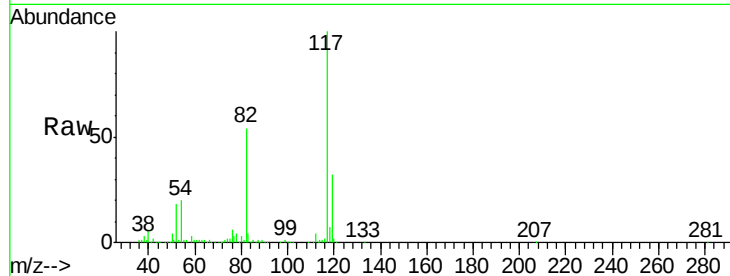




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

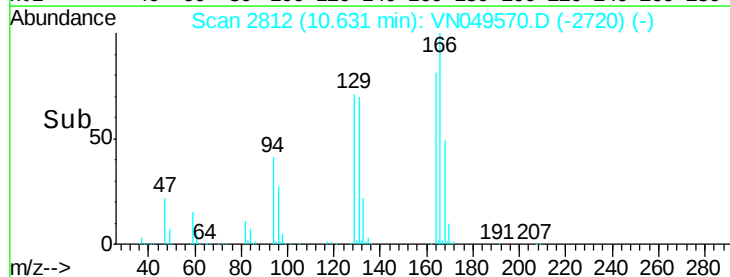
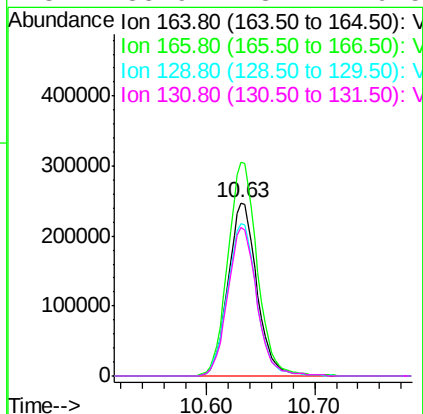
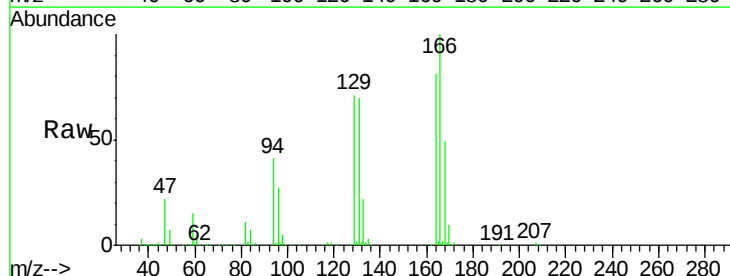
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1995849
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 22.56 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion:164 Resp: 461337
Ion Ratio Lower Upper
164 100
166 123.3 101.4 152.2
129 87.6 74.1 111.1
131 85.9 73.7 110.5

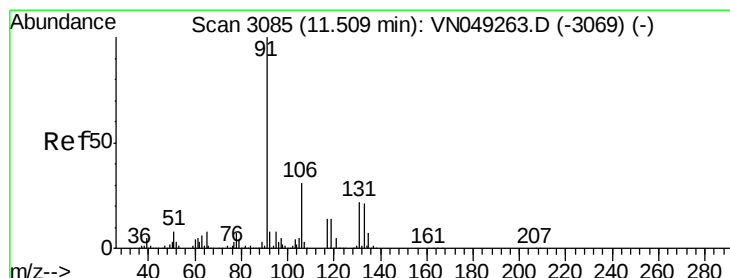
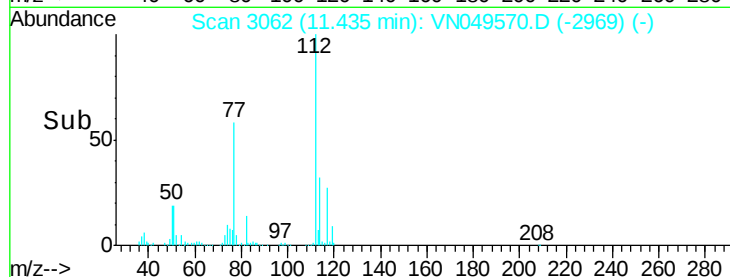
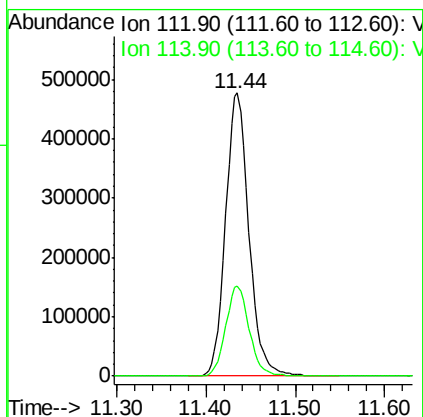
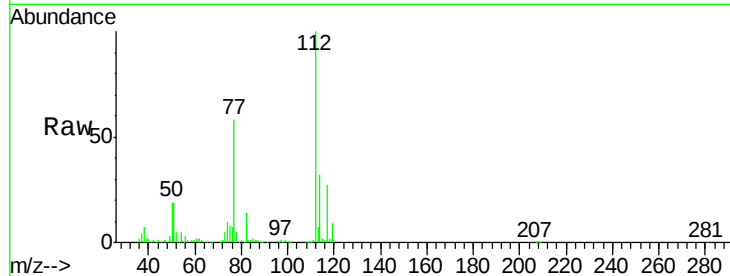




#65
Chlorobenzene
Concen: 16.78 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

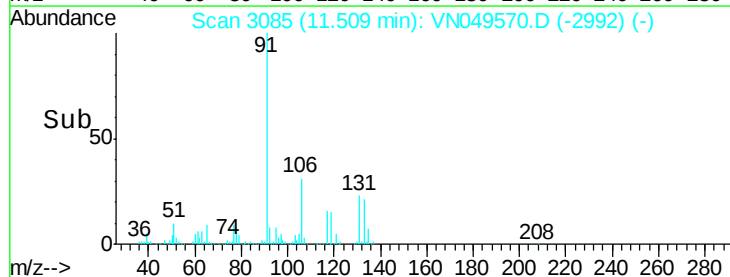
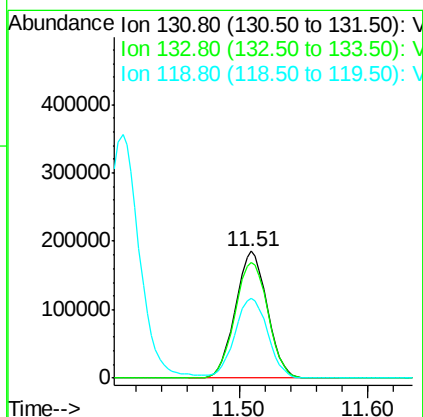
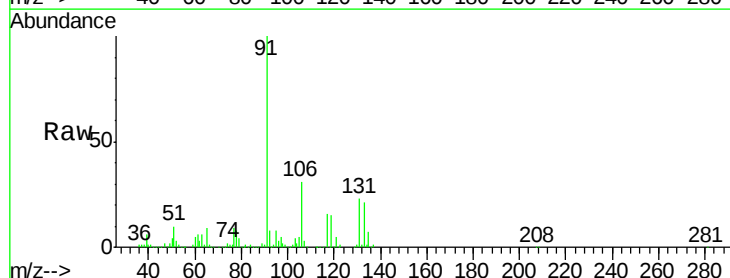
Instrument :
MSVOA_N
ClientSampled :

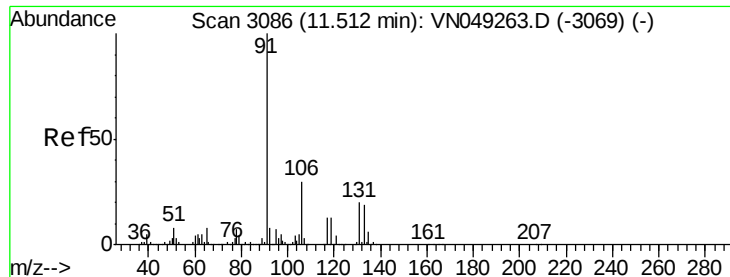
Tot Ion:112 Resp: 862976
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 16.49 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion:131 Resp: 318992
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.2
119 65.4 33.6 100.8

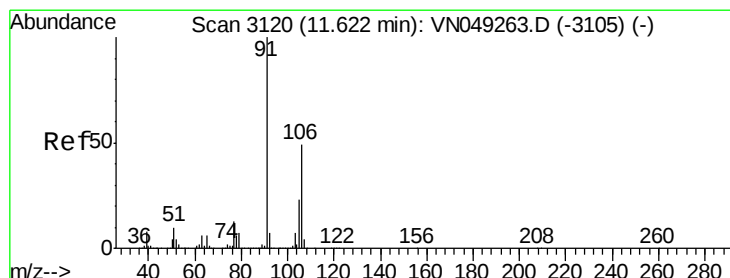
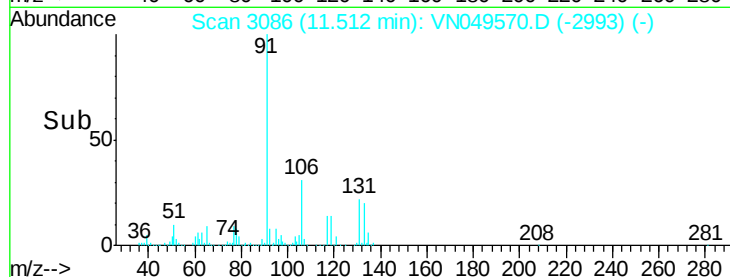
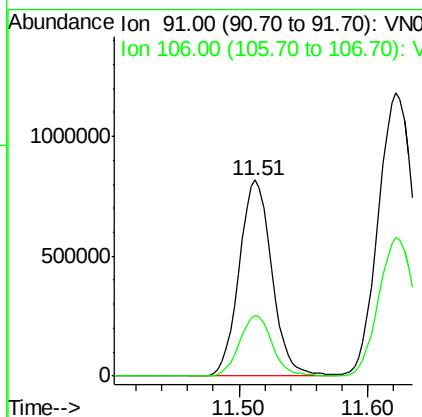
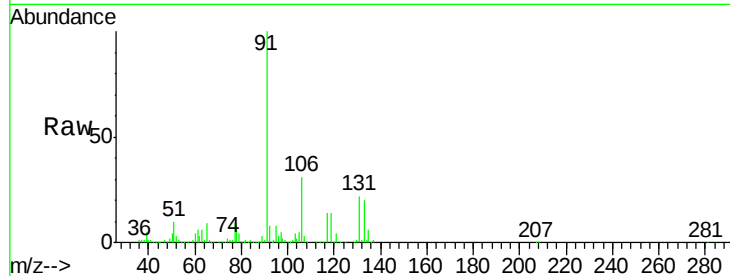




#67
Ethyl Benzene
Concen: 16.99 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

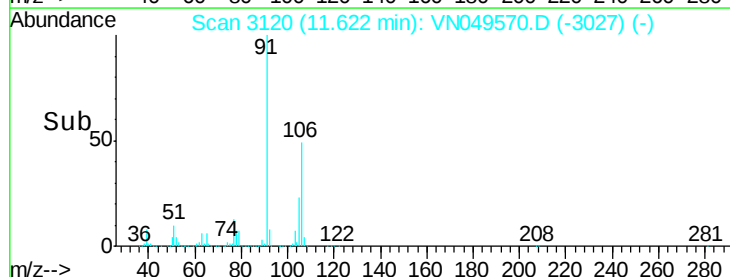
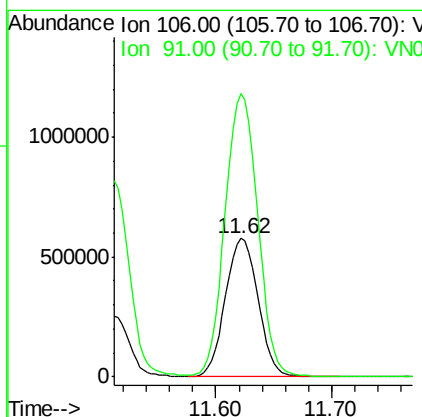
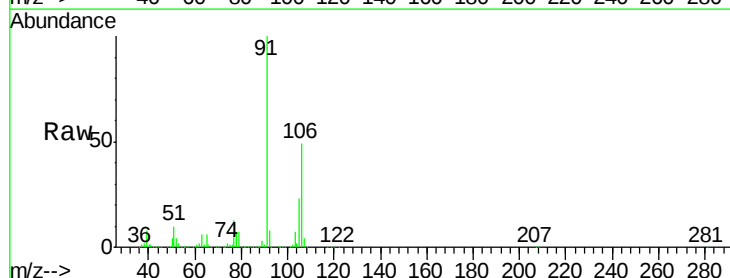
Instrument :
MSVOA_N
ClientSampled :

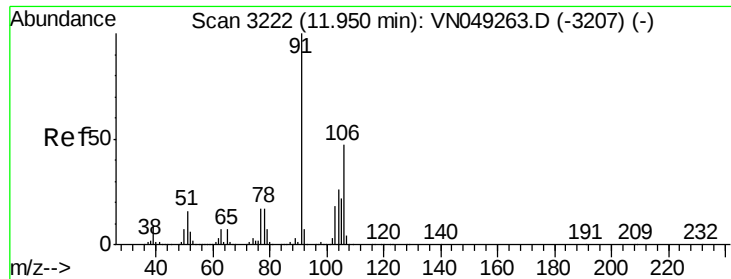
Tot Ion: 91 Resp: 1449217
Ion Ratio Lower Upper
91 100
106 31.2 23.9 35.9



#68
m/p-Xylenes
Concen: 35.28 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion:106 Resp: 1129281
Ion Ratio Lower Upper
106 100
91 204.9 167.3 250.9

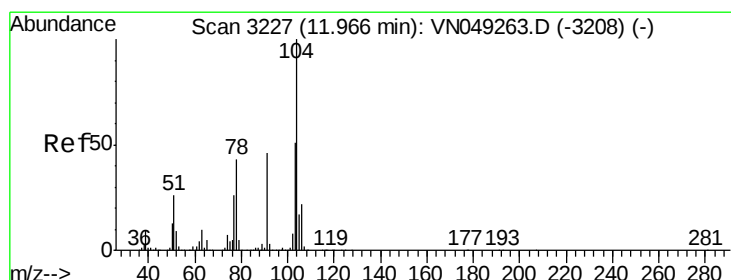
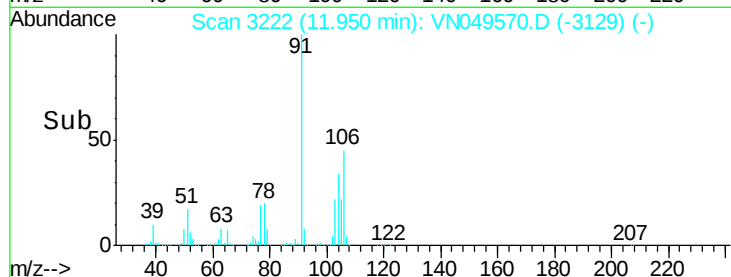
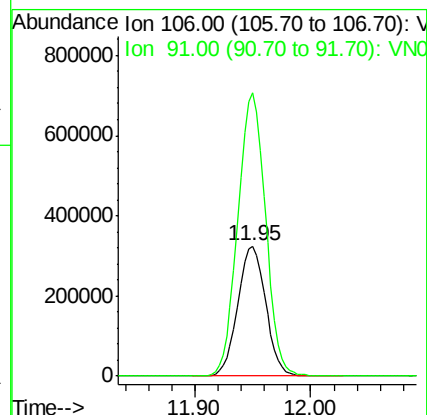
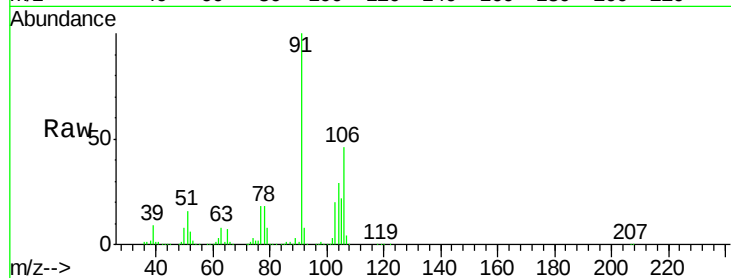




#69
o-Xylene
Concen: 17.58 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

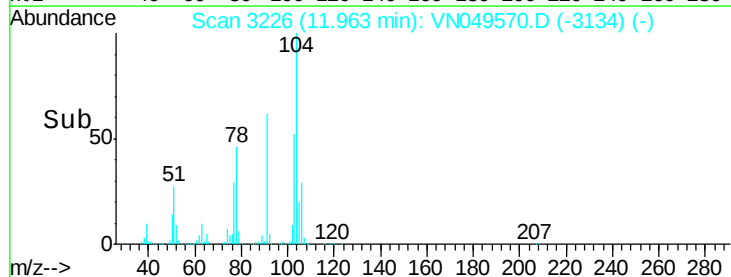
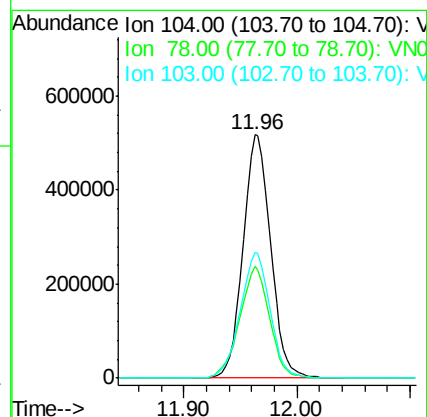
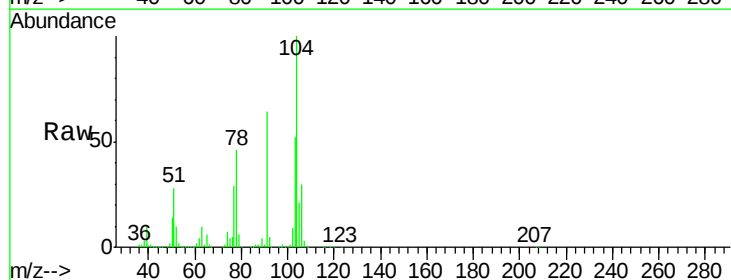
Instrument :
MSVOA_N
ClientSampleId :

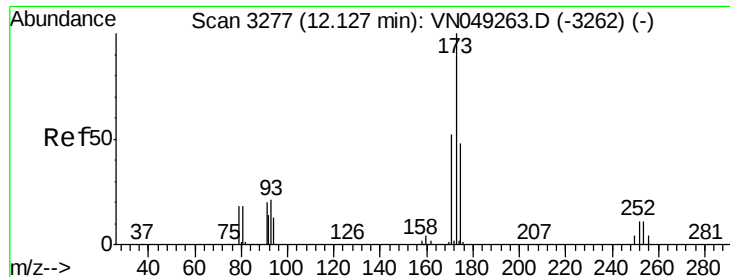
Tot Ion:106 Resp: 542056
Ion Ratio Lower Upper
106 100
91 215.8 111.0 333.0



#70
Styrene
Concen: 18.15 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion:104 Resp: 882577
Ion Ratio Lower Upper
104 100
78 49.5 41.6 62.4
103 55.7 45.4 68.2

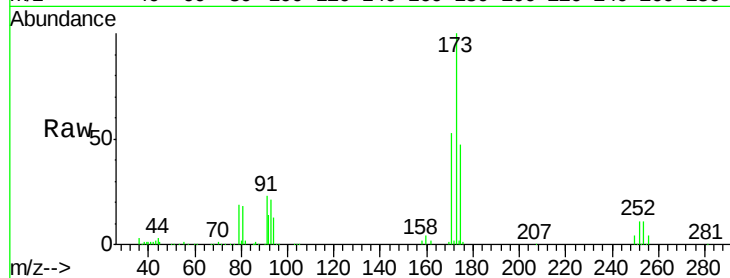




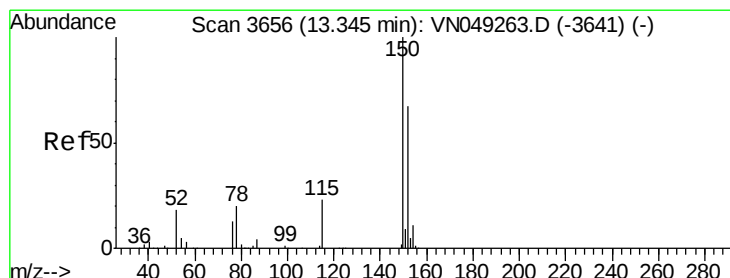
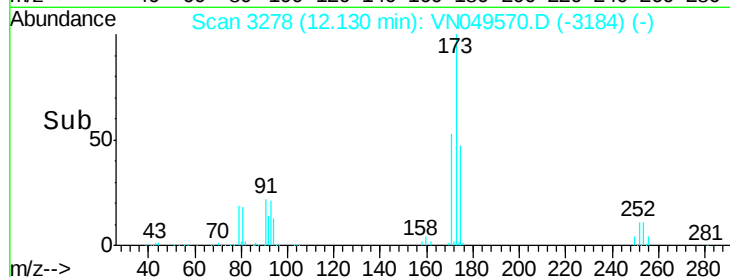
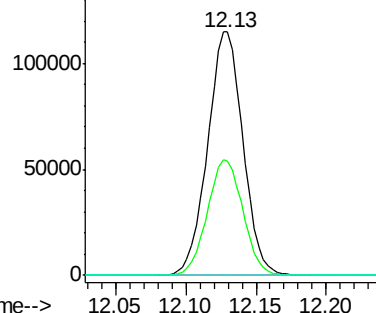
#71
Bromoform
Concen: 16.08 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 201403
Ion Ratio Lower Upper
173 100
175 47.7 24.5 73.5
254 0.1 0.1 0.1#

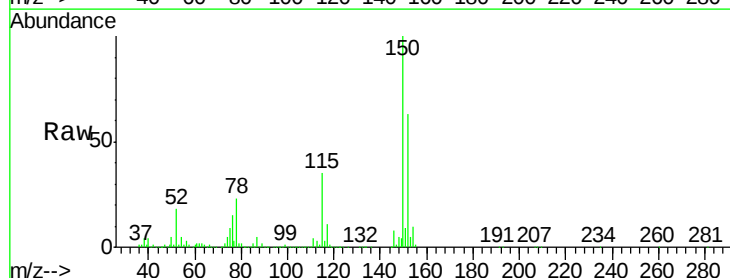


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

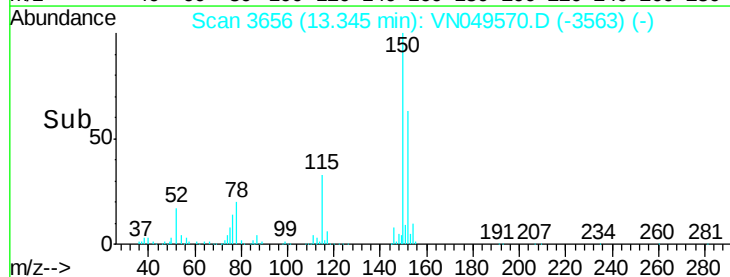
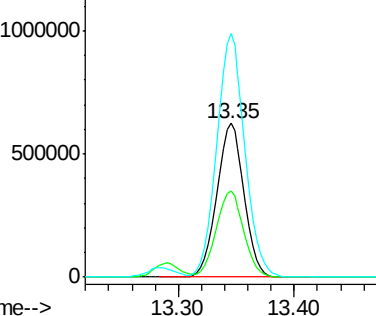


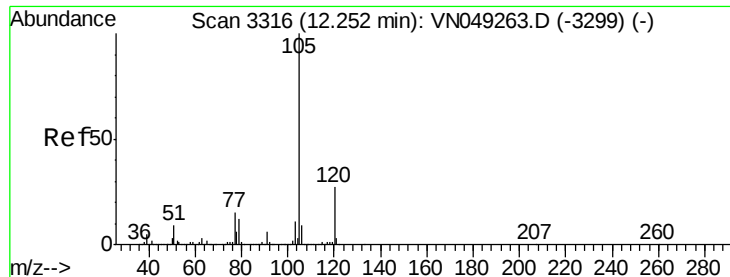
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049570.D
Acq: 27 Jun 2018 14:22

Tgt Ion:152 Resp: 1014500
Ion Ratio Lower Upper
152 100
115 56.6 28.7 86.1
150 163.8 0.0 351.0



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: 15.84 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

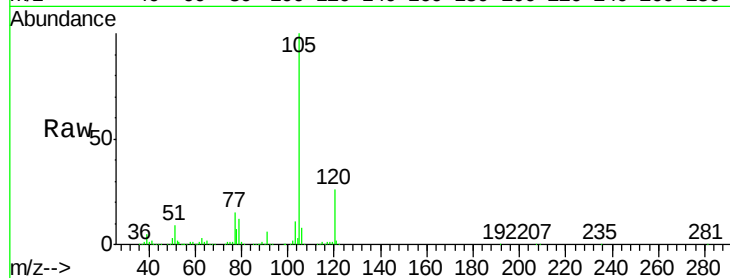
ClientSampleId :

Tot Ion:105 Resp: 1410878

Ion Ratio Lower Upper

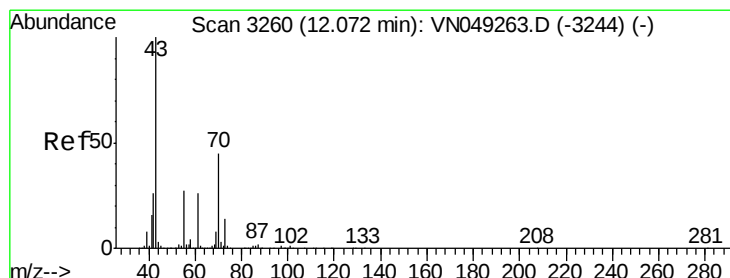
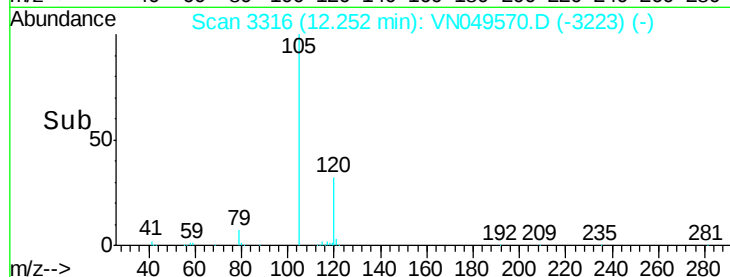
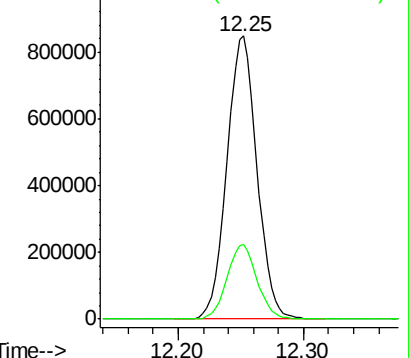
105 100

120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.52 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Tgt Ion: 43 Resp: 382180

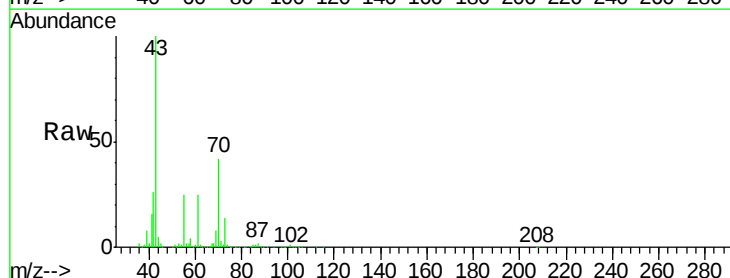
Ion Ratio Lower Upper

43 100

70 42.5 30.3 45.5

55 25.8 19.4 29.2

61 24.7 17.8 26.6

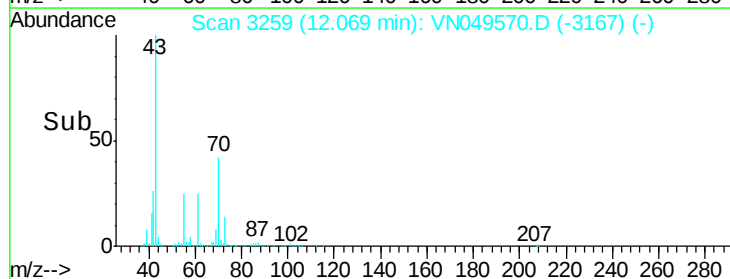
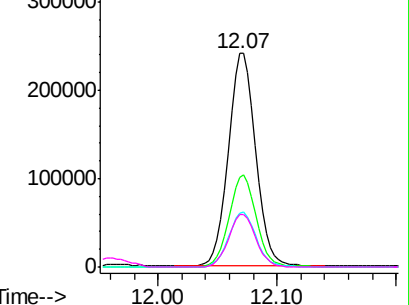


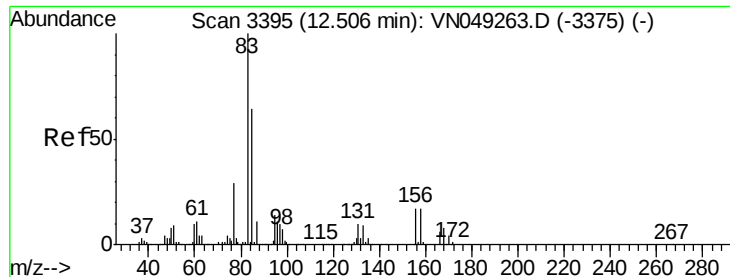
Abundance Ion 43.00 (42.70 to 43.70): V

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: 14.59 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

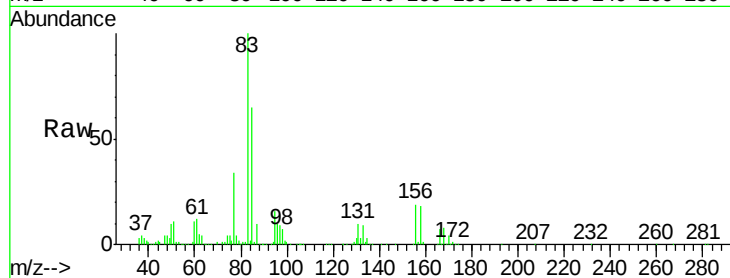
Tot Ion: 83 Resp: 296365

Ion Ratio Lower Upper

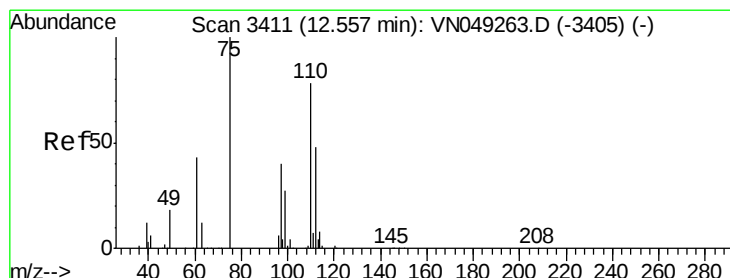
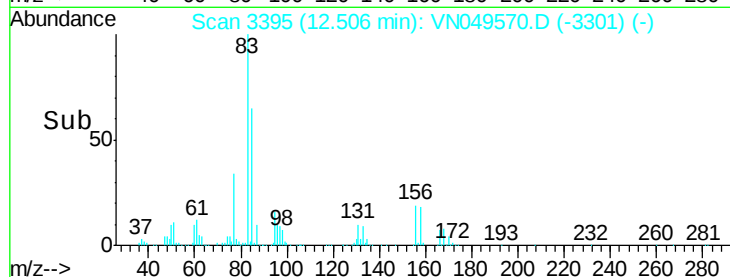
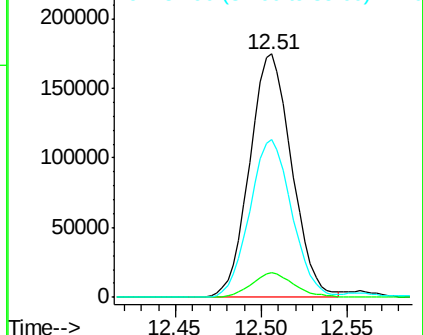
83 100

131 10.2 5.0 15.0

85 65.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 23.21 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049570.D

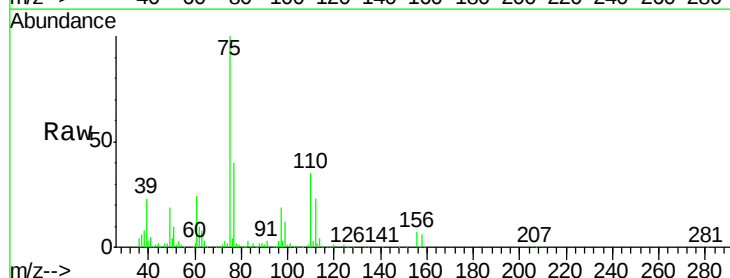
Acq: 27 Jun 2018 14:22

Tgt Ion: 75 Resp: 401795

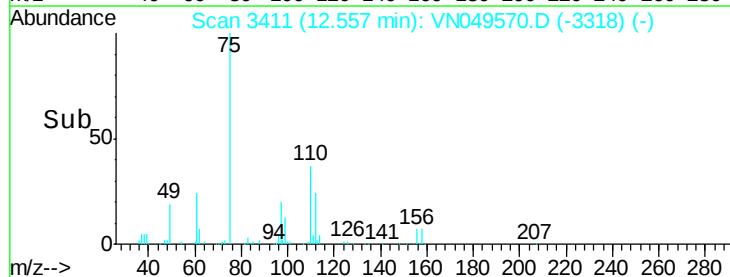
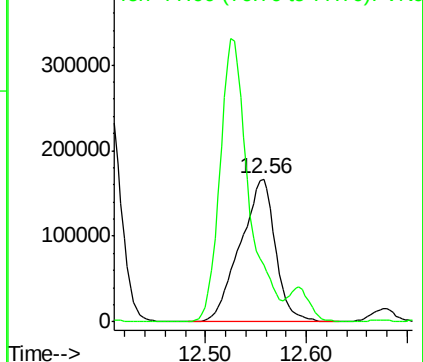
Ion Ratio Lower Upper

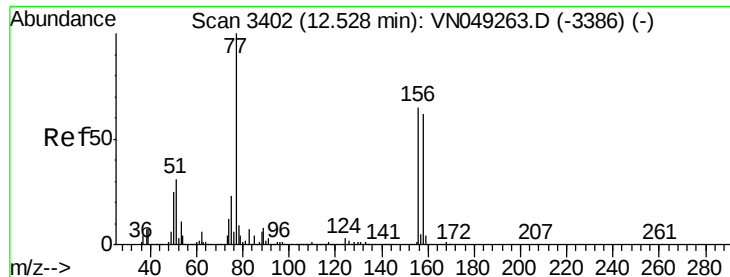
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 15.67 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

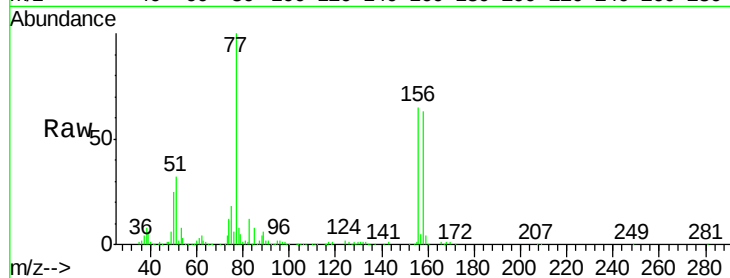
Tot Ion:156 Resp: 368687

Ion Ratio Lower Upper

156 100

77 178.4 100.8 302.4

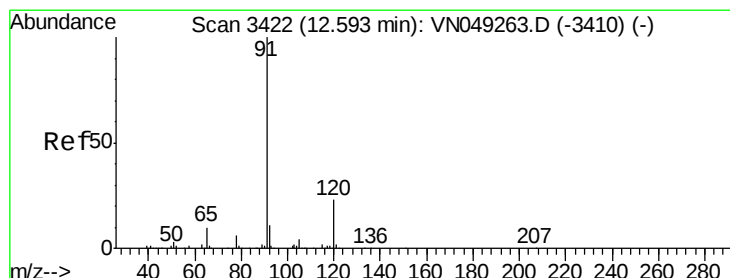
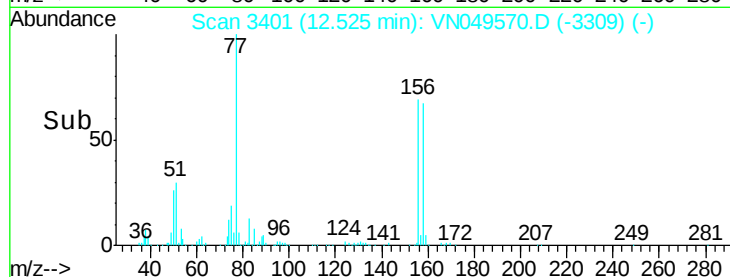
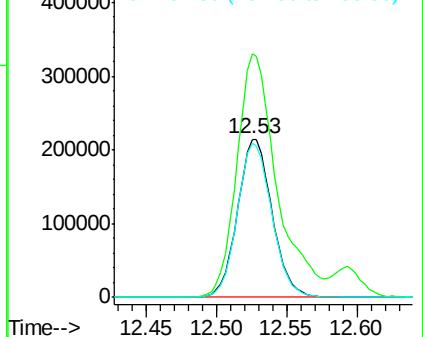
158 97.2 49.3 147.9



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: 16.46 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049570.D

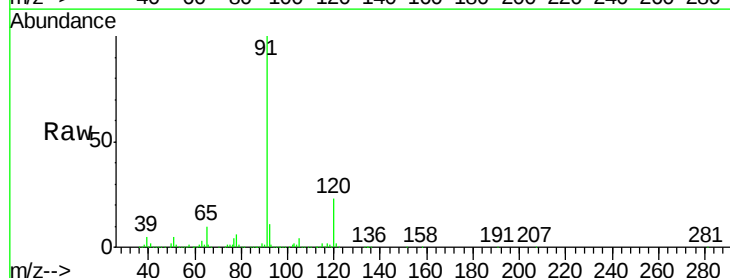
Acq: 27 Jun 2018 14:22

Tgt Ion: 91 Resp: 1609737

Ion Ratio Lower Upper

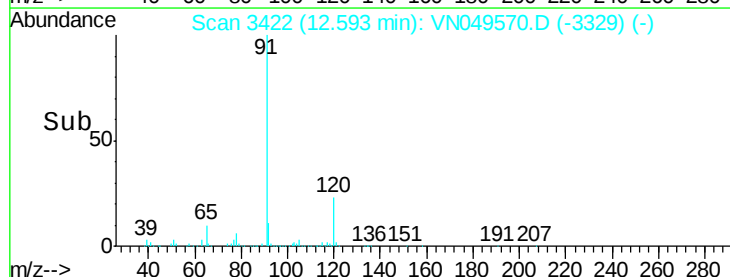
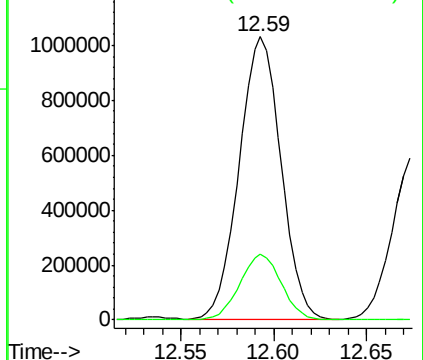
91 100

120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.02 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

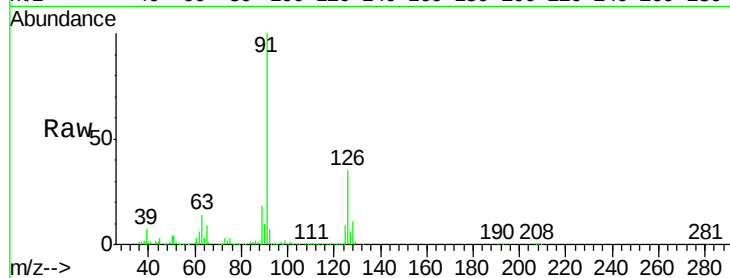
ClientSampleId :

Tot Ion: 91 Resp: 992492

Ion Ratio Lower Upper

91 100

126 35.2 16.6 49.8

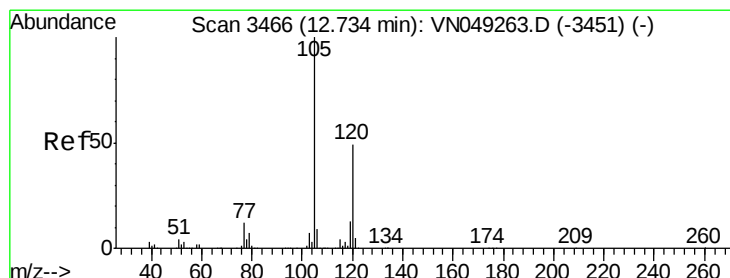
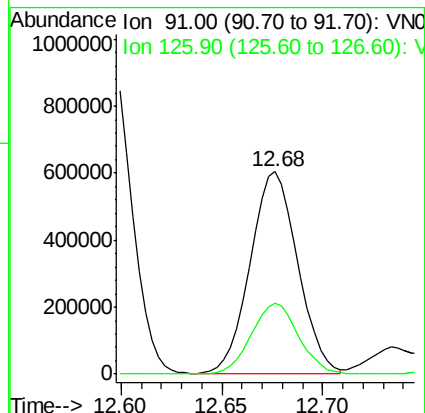
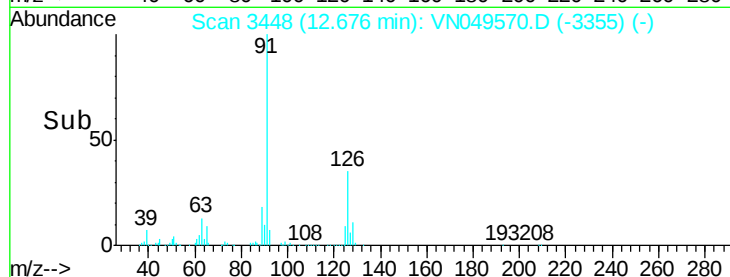


Abundance Ion 91.00 (90.70 to 91.70): VN049570.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049570.D (-3355) (-)

Time--> 12.60 12.65 12.70

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 16.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049570.D

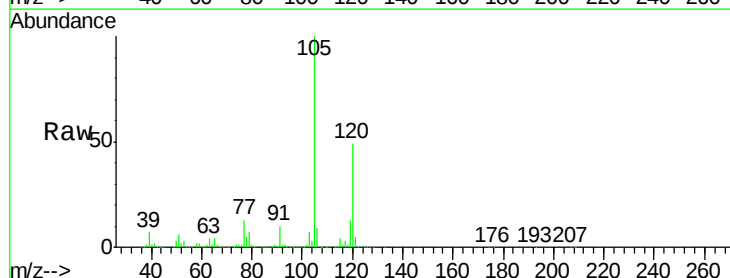
Acq: 27 Jun 2018 14:22

Tgt Ion:105 Resp: 1189321

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5

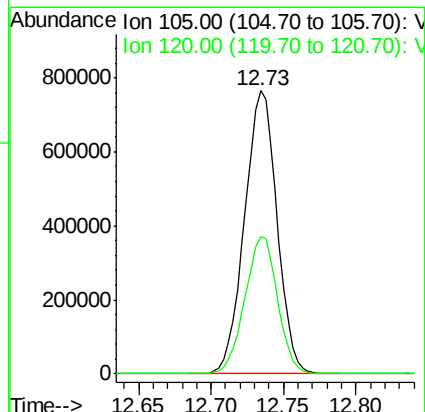
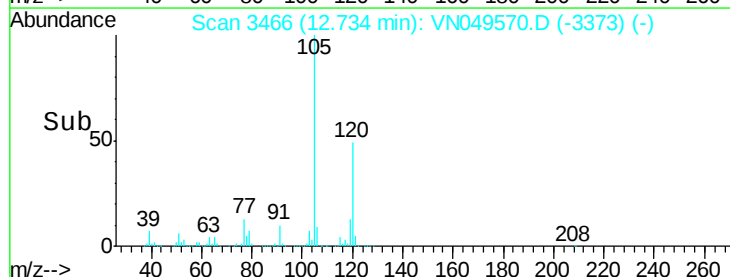


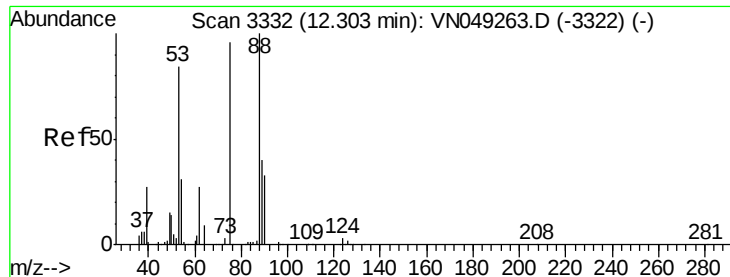
Abundance Ion 105.00 (104.70 to 105.70): VN049570.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049570.D (-3373) (-)

Time--> 12.65 12.70 12.75 12.80

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 14.41 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

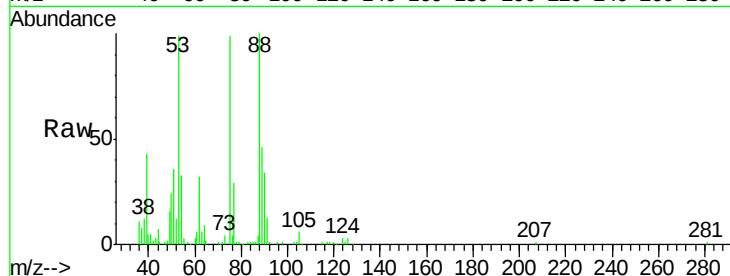
Tot Ion: 75 Resp: 78924

Ion Ratio Lower Upper

75 100

53 98.6 82.7 124.1

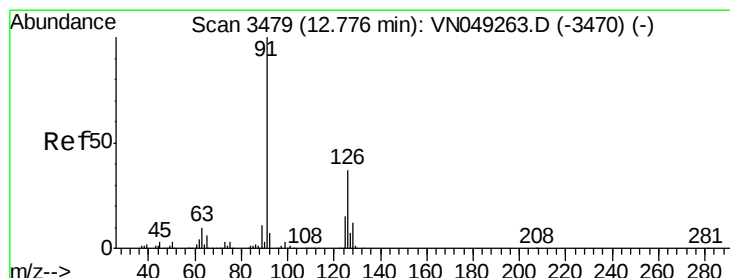
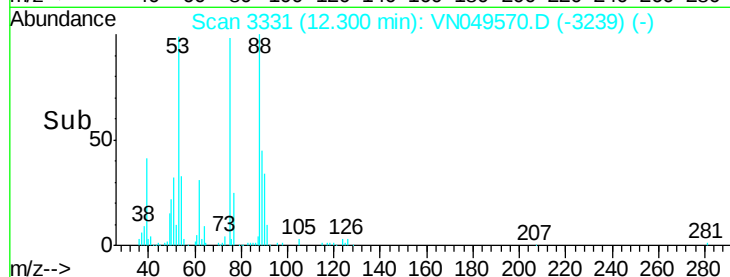
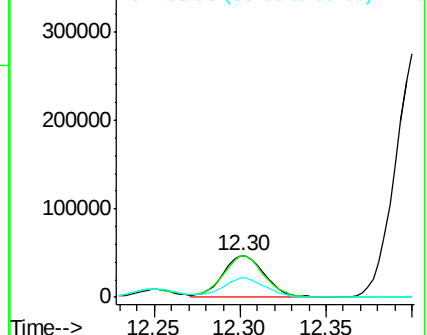
89 46.3 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN049263.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN049263.D (-3322) (-)



#82

4-Chlorotoluene

Concen: 16.60 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049570.D

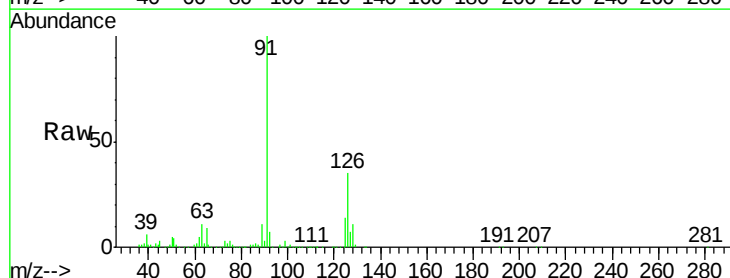
Acq: 27 Jun 2018 14:22

Tgt Ion: 91 Resp: 992192

Ion Ratio Lower Upper

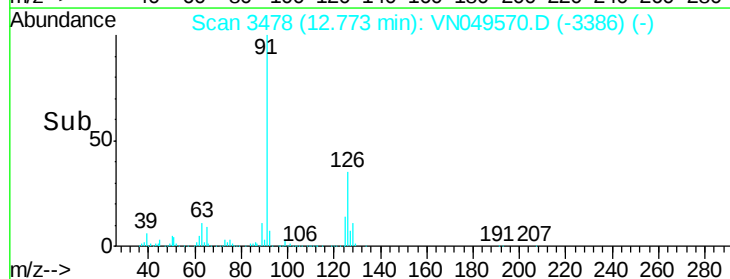
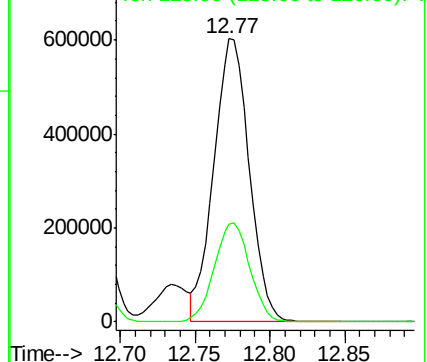
91 100

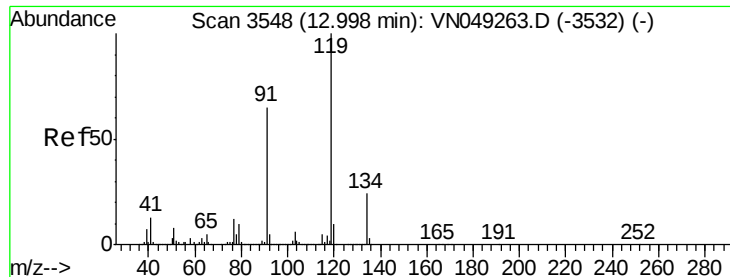
126 35.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3470) (-)





#83

tert-Butylbenzene

Concen: 15.73 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

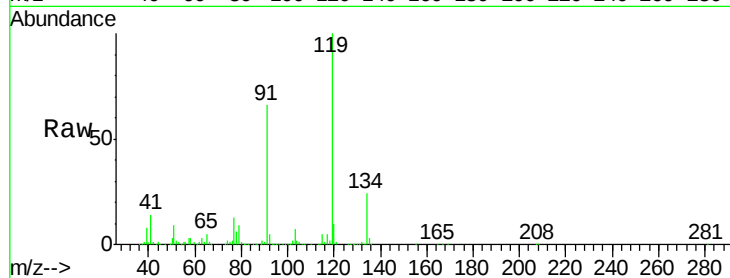
Tot Ion:119 Resp: 975811

Ion Ratio Lower Upper

119 100

91 64.8 33.7 101.0

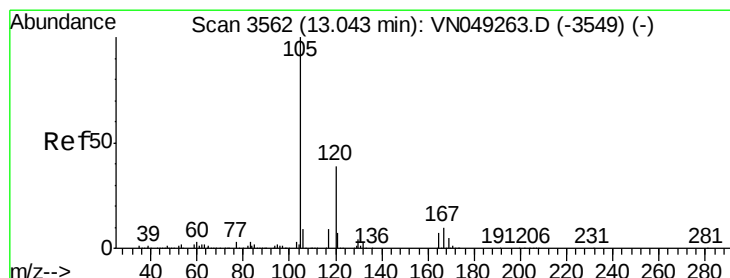
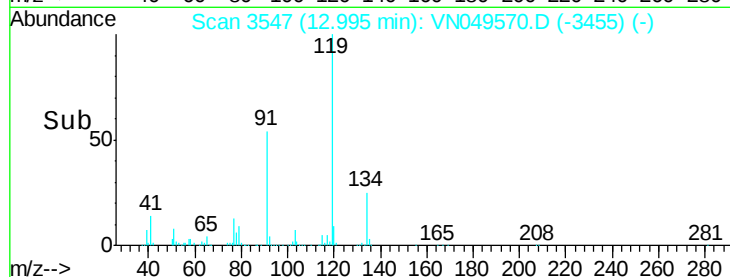
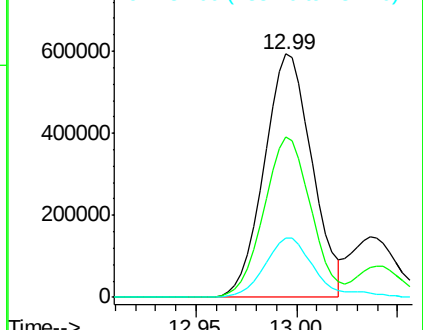
134 25.5 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.63 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049570.D

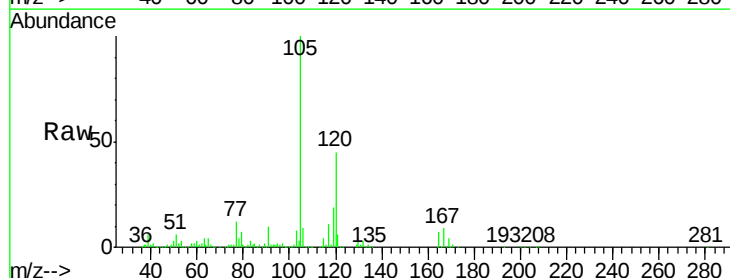
Acq: 27 Jun 2018 14:22

Tgt Ion:105 Resp: 1225958

Ion Ratio Lower Upper

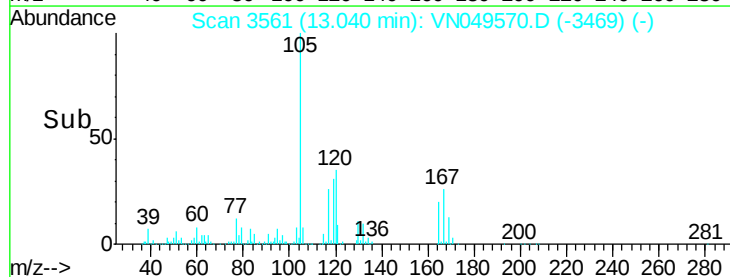
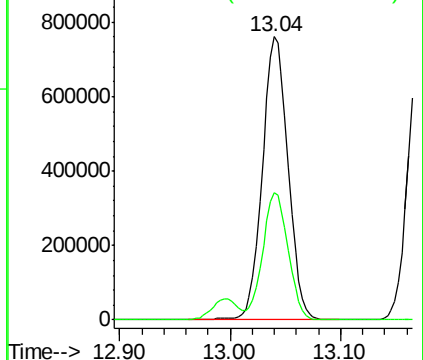
105 100

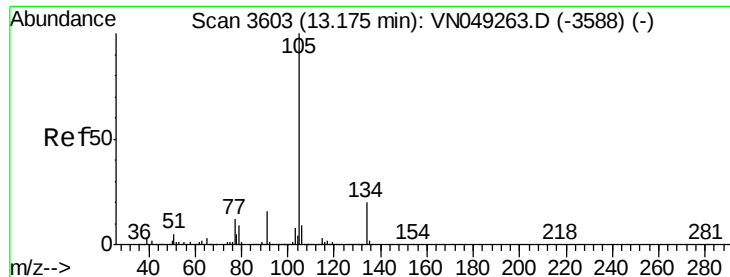
120 44.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.26 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

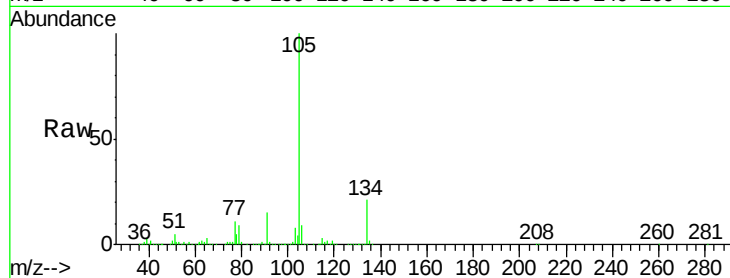
ClientSampleId :

Tot Ion:105 Resp: 1342091

Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

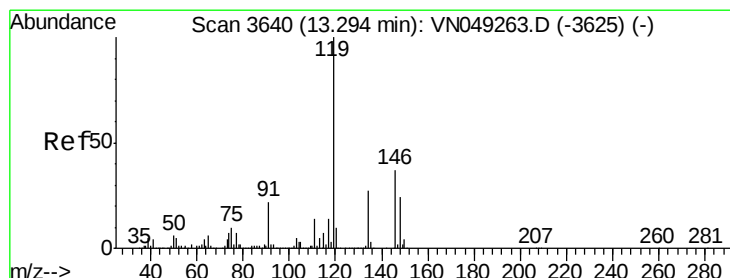
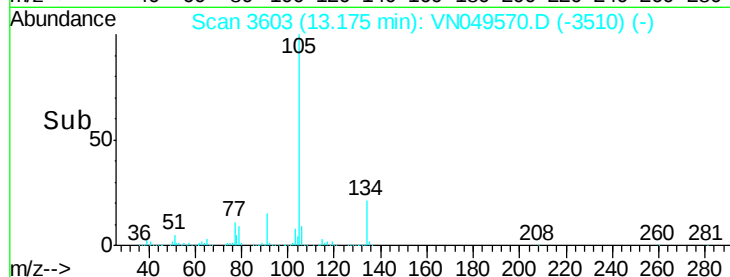
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 17.01 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

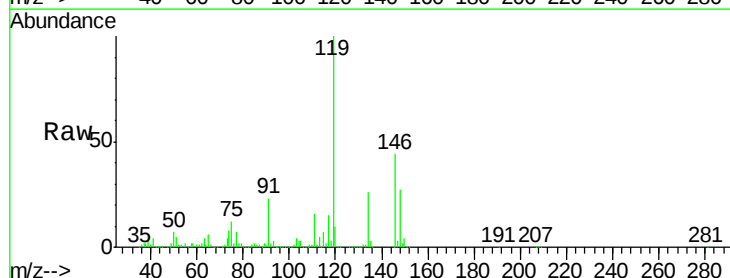
Tgt Ion:119 Resp: 1173301

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

91 23.0 12.1 36.3



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

1000000

800000

600000

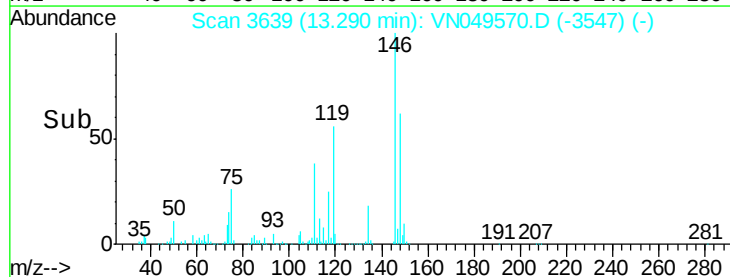
400000

200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 16.84 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

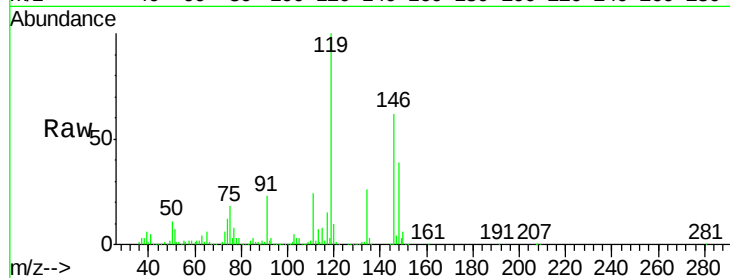
Tot Ion:146 Resp: 651927

Ion Ratio Lower Upper

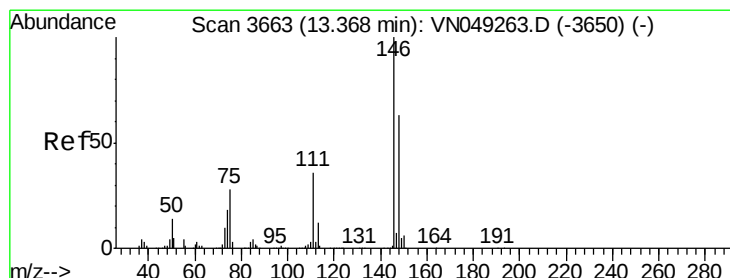
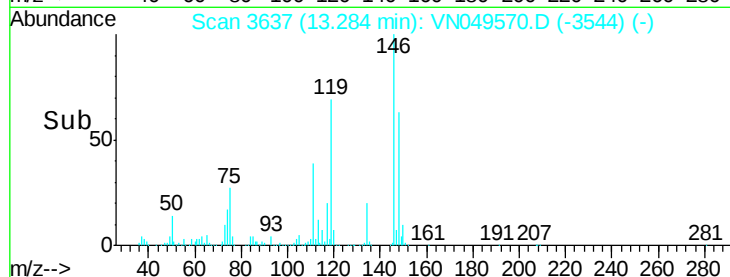
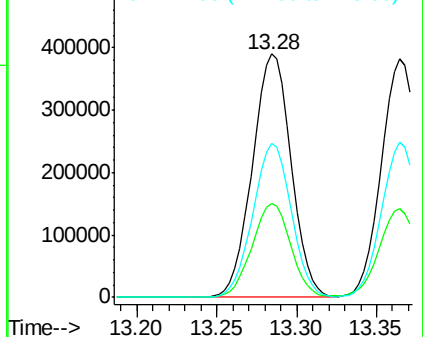
146 100

111 38.4 19.9 59.6

148 63.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 16.43 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

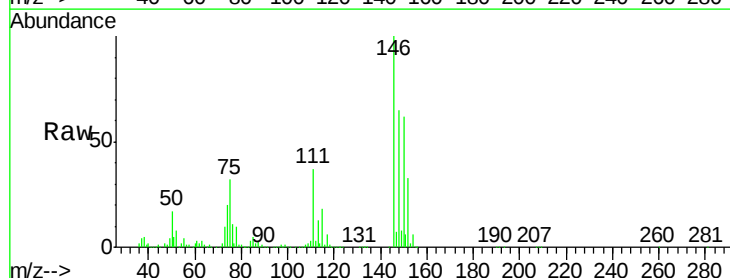
Tgt Ion:146 Resp: 630285

Ion Ratio Lower Upper

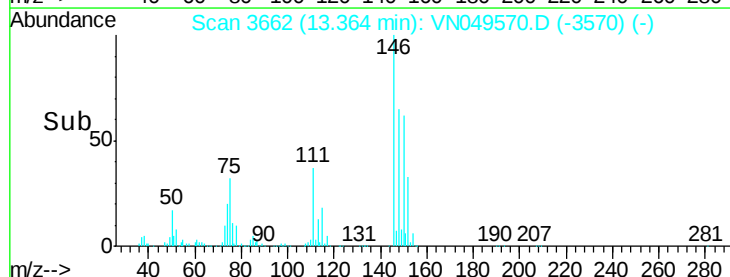
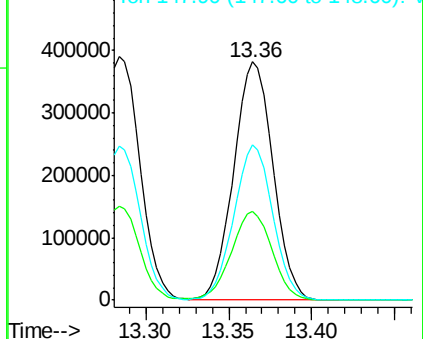
146 100

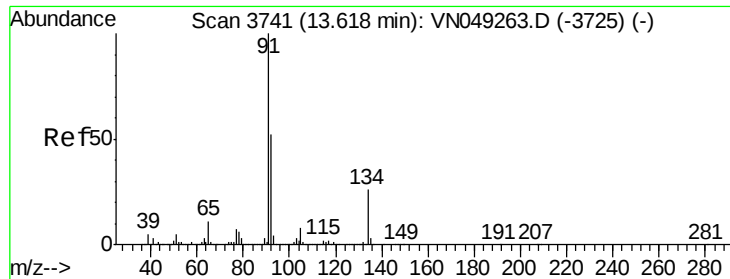
111 38.7 19.1 57.1

148 64.4 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





#89

n-Butylbenzene

Concen: 17.69 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

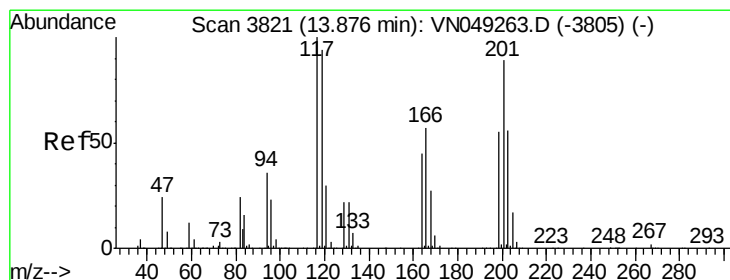
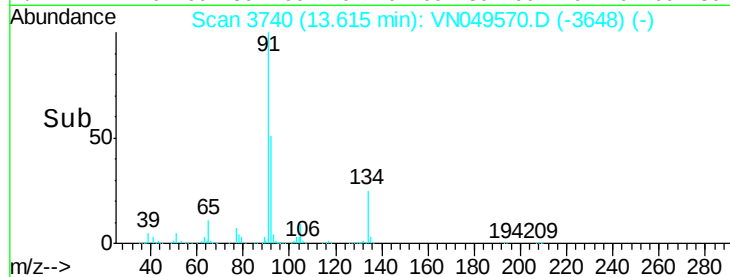
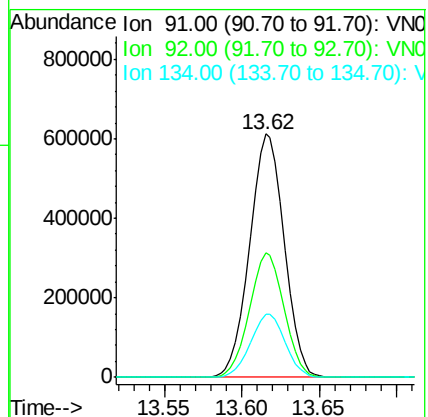
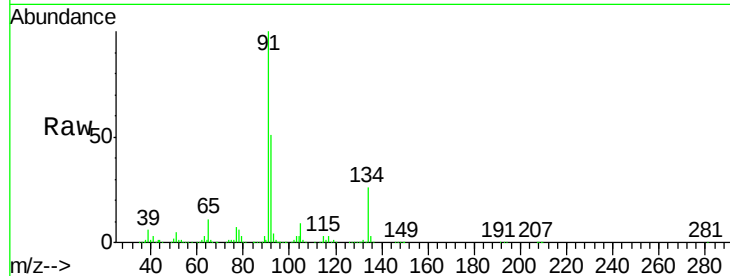
Tot Ion: 91 Resp: 952911

Ion Ratio Lower Upper

91 100

92 51.0 25.1 75.4

134 26.1 12.0 36.0



#90

Hexachloroethane

Concen: 6.94 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049570.D

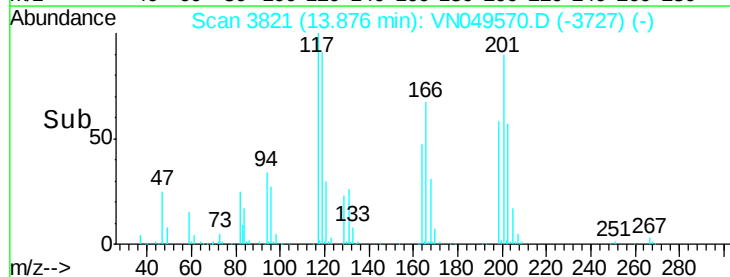
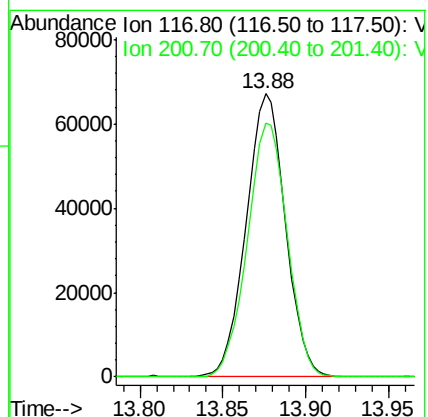
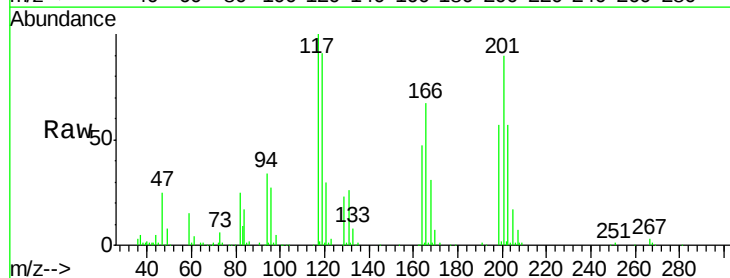
Acq: 27 Jun 2018 14:22

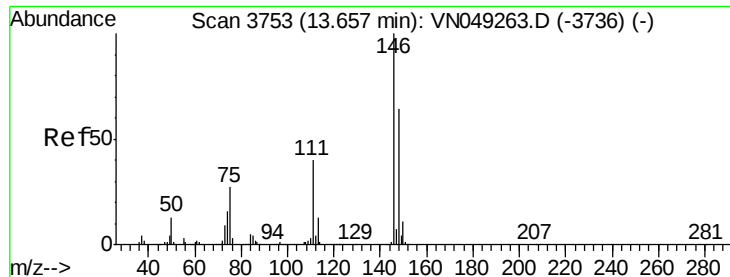
Tgt Ion: 117 Resp: 109700

Ion Ratio Lower Upper

117 100

201 91.6 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 16.73 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

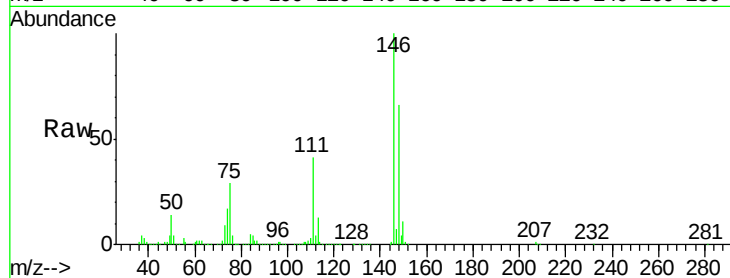
Tot Ion:146 Resp: 634963

Ion Ratio Lower Upper

146 100

111 40.0 20.8 62.2

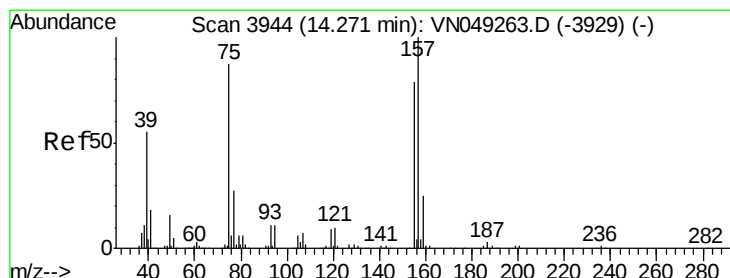
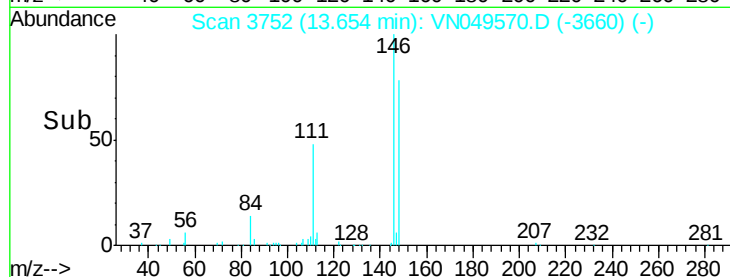
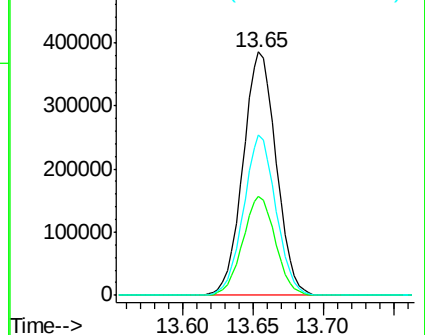
148 64.4 32.0 96.2



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: 15.79 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

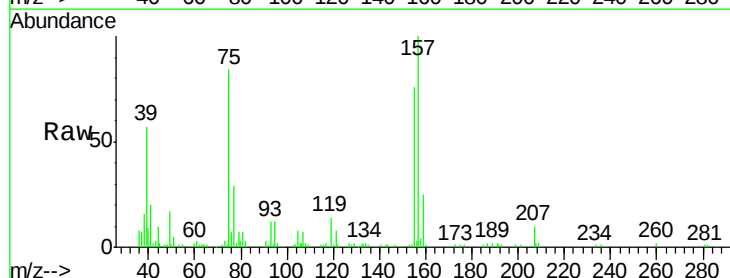
Tgt Ion: 75 Resp: 48953

Ion Ratio Lower Upper

75 100

155 88.6 38.8 116.3

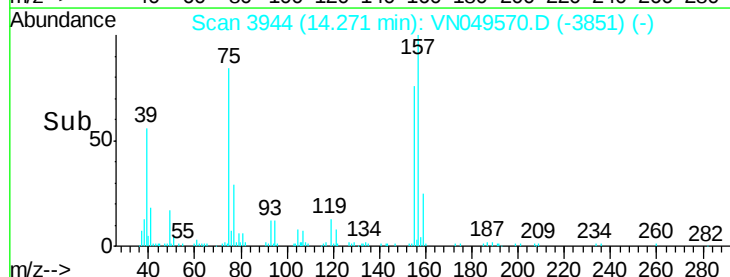
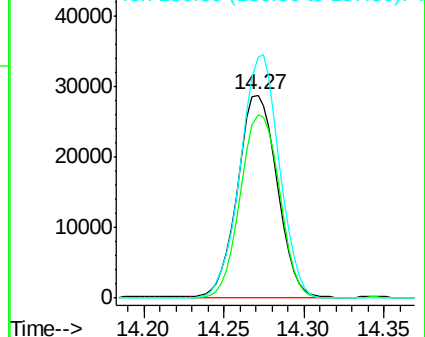
157 117.3 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

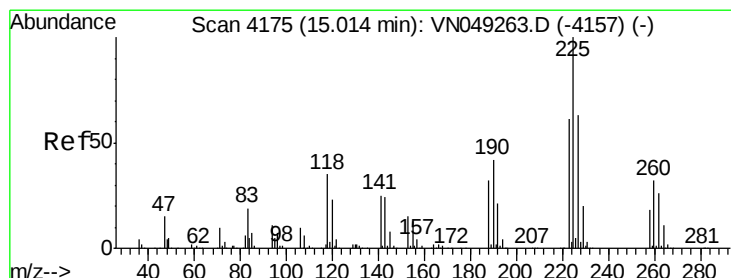
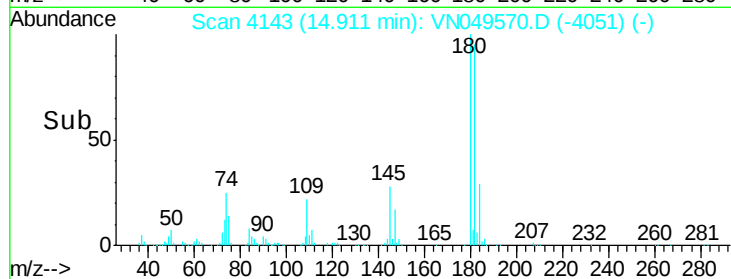
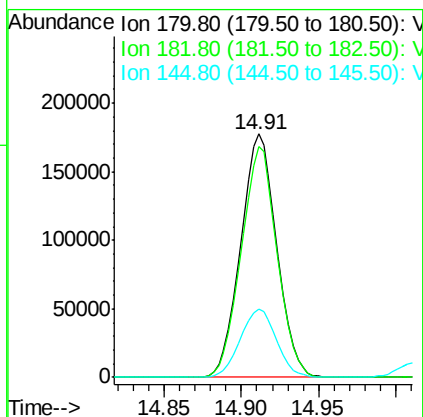
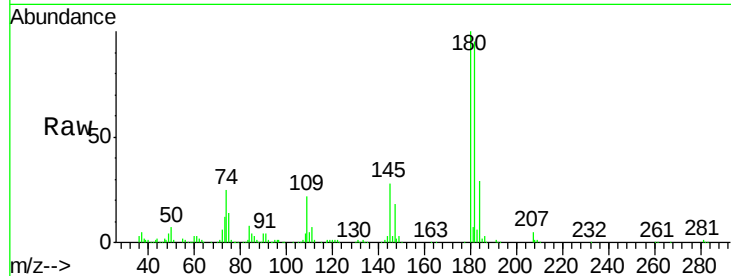




#93
 1,2,4-Trichlorobenzene
 Concen: 19.65 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

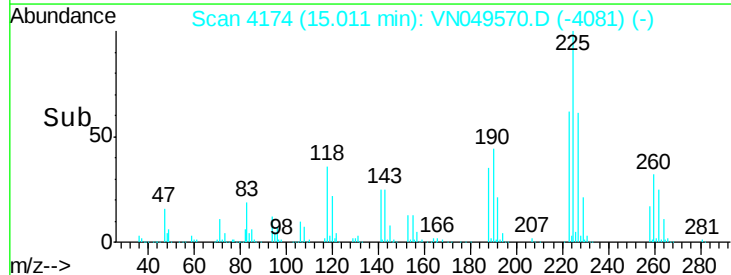
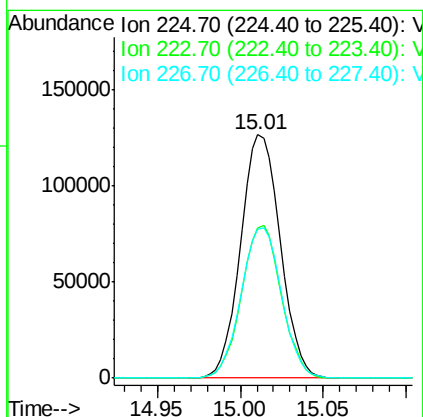
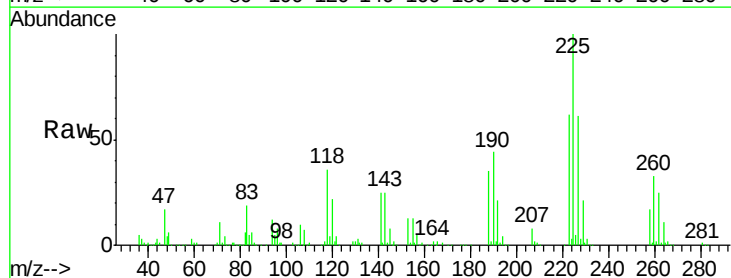
Instrument :
 MSVOA_N
 ClientSampleId :

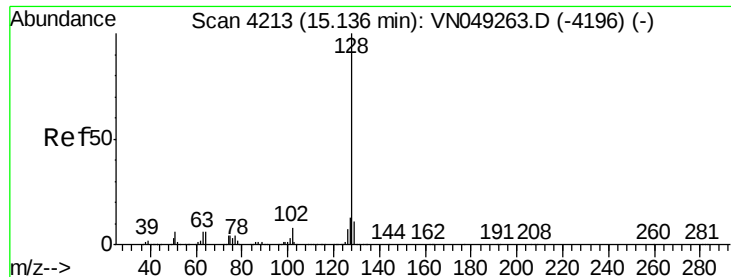
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.8
145	28.3	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 17.17 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049570.D
 Acq: 27 Jun 2018 14:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	63.2	31.8	95.3





#95

Naphthalene

Concen: 21.23 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

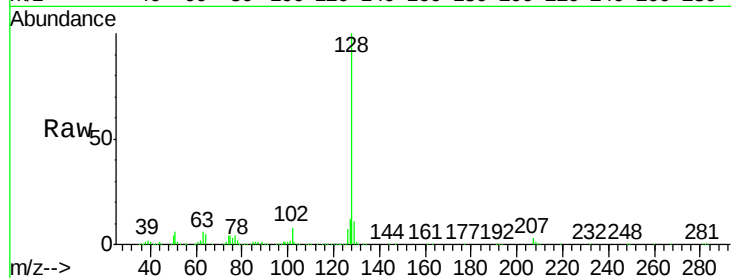
Tot Ion:128 Resp: 569139

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

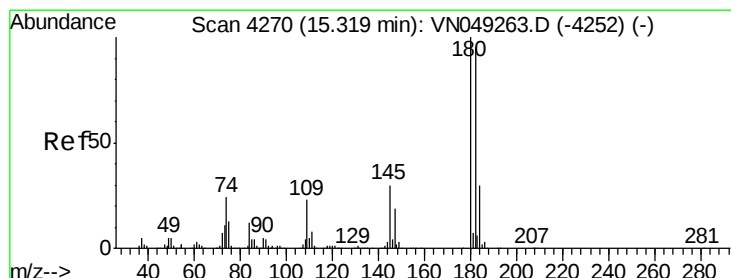
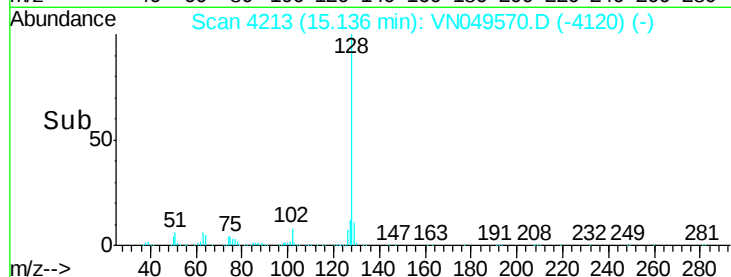
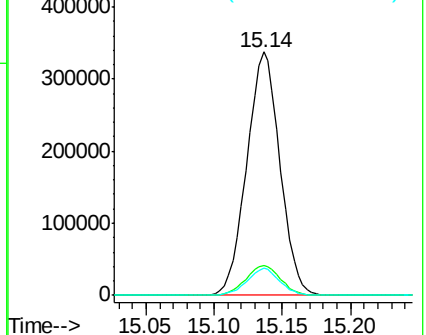
129 10.7 8.5 12.7



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: 18.77 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049570.D

Acq: 27 Jun 2018 14:22

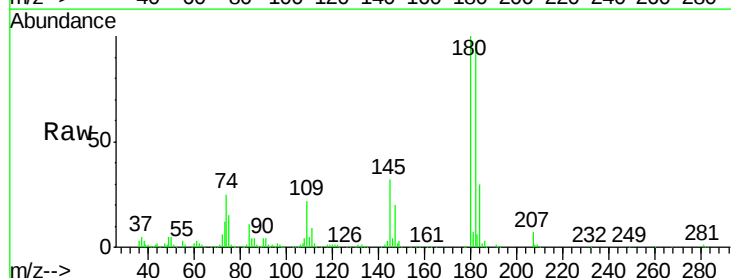
Tgt Ion:180 Resp: 279768

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 31.1 15.6 46.7



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

