

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049608.D
 Acq On : 28 Jun 2018 23:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:18:48 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	1432409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2178913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1982896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1099271	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	908282	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	7.59	113	805608	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
50) Toluene-d8	10.09	98	3148379	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.40	95	1087793	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	811256	49.21	ug/l	100
3) Chloromethane	2.06	50	956839	44.94	ug/l	98
4) Vinyl Chloride	2.18	62	1040730	46.00	ug/l	100
5) Bromomethane	2.56	94	493562	41.50	ug/l	97
6) Chloroethane	2.70	64	647925	48.03	ug/l	99
7) Trichlorofluoromethane	3.02	101	1113593	39.45	ug/l	99
8) Diethyl Ether	3.41	74	460312	46.71	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	806835	45.07	ug/l	92
10) Methyl Iodide	3.95	142	1012439	54.32	ug/l	92
11) Tert butyl alcohol	4.79	59	240408	215.60	ug/l	99
12) 1,1-Dichloroethene	3.73	96	771567	46.98	ug/l	91
13) Acrolein	3.61	56	267276	228.57	ug/l	100
14) Allyl chloride	4.32	41	973076	37.52	ug/l	88
15) Acrylonitrile	4.99	53	1309414	234.84	ug/l	99
16) Acetone	3.82	43	954779	206.98	ug/l	93
17) Carbon Disulfide	4.05	76	2240536	43.52	ug/l	99
18) Methyl Acetate	4.33	43	881302	62.66	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2048480	48.92	ug/l	99
20) Methylene Chloride	4.55	84	877861	45.57	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	803872	46.23	ug/l	91
22) Diisopropyl ether	5.95	45	2550650	49.25	ug/l	97
23) Vinyl Acetate	5.90	43	8460291	250.60	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1531777	46.21	ug/l	99
25) 2-Butanone	6.84	43	1413575	228.22	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1049089	39.19	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	926091	47.91	ug/l	90
28) Bromochloromethane	7.19	49	693772	47.21	ug/l	# 83
29) Tetrahydrofuran	7.21	42	955340	239.60	ug/l	93
30) Chloroform	7.37	83	1552954	47.08	ug/l	98
31) Cyclohexane	7.65	56	1345459	47.88	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1338397	47.55	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1173725	47.00	ug/l	97
37) Ethyl Acetate	6.93	43	678690	49.99	ug/l	98
38) Carbon Tetrachloride	7.77	117	1112240	43.02	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1247361	46.53	ug/l	96
40) Benzene	8.04	78	3529588	46.10	ug/l	99
41) Methacrylonitrile	7.18	41	322192	43.90	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1106296	46.77	ug/l	96
43) Isopropyl Acetate	8.17	43	1323025	51.01	ug/l #	86
44) Trichloroethene	8.84	130	1041530	51.52	ug/l	93
45) 1,2-Dichloropropane	9.12	63	927973	46.29	ug/l	99
46) Dibromomethane	9.21	93	545918	46.97	ug/l	91
47) Bromodichloromethane	9.40	83	1172935	45.92	ug/l	96
48) Methyl methacrylate	9.20	41	596680	48.85	ug/l #	86
49) 1,4-Dioxane	9.20	88	158659	941.10	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	3307920	243.32	ug/l	94
52) Toluene	10.16	92	2204622	49.06	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1120124	45.84	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1323720	45.88	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	778603	46.48	ug/l	98
56) Ethyl methacrylate	10.43	69	991656	51.31	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1304605	47.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2310332	329.56	ug/l	94
59) 2-Hexanone	10.75	43	2171239	247.73	ug/l	92
60) Dibromochloromethane	10.90	129	870350	46.55	ug/l	98
61) 1,2-Dibromoethane	11.01	107	766034	49.20	ug/l	100
64) Tetrachloroethene	10.63	164	1234871	60.78	ug/l	97
65) Chlorobenzene	11.44	112	2389221	46.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	875113	45.52	ug/l	98
67) Ethyl Benzene	11.51	91	4151175	48.99	ug/l	98
68) m/p-Xylenes	11.62	106	3262406	102.60	ug/l	96
69) o-Xylene	11.95	106	1571471	51.31	ug/l	95
70) Styrene	11.97	104	2594576	53.70	ug/l	97
71) Bromoform	12.13	173	578873	46.52	ug/l #	100
73) Isopropylbenzene	12.25	105	4104418	42.52	ug/l	98
74) N-amyl acetate	12.07	43	1122494	47.48	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	873482	43.71	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1136723	60.60	ug/l #	100
77) Bromobenzene	12.53	156	1059013	41.54	ug/l	89
78) n-propylbenzene	12.59	91	4830080	45.58	ug/l	99
79) 2-Chlorotoluene	12.68	91	2883523	42.94	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3542732	46.70	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	223833	37.72	ug/l	93
82) 4-Chlorotoluene	12.77	91	2923285	45.13	ug/l	96
83) tert-Butylbenzene	12.99	119	2920116	43.45	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3666533	48.65	ug/l	99
85) sec-Butylbenzene	13.17	105	3977320	44.46	ug/l	98
86) p-Isopropyltoluene	13.29	119	3532869	47.27	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1938091	46.21	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1878554	45.19	ug/l	99
89) n-Butylbenzene	13.62	91	2895428	49.60	ug/l	97
90) Hexachloroethane	13.88	117	316612	21.41	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1865359	45.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134163	39.93	ug/l	83

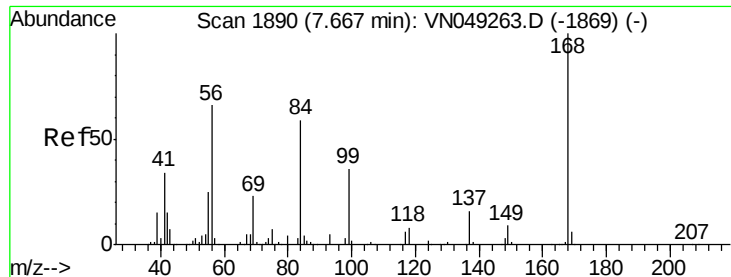
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	848985	45.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	538567	44.46	ug/l	98
95) Naphthalene	15.14	128	1786201	52.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	811548	44.45	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: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

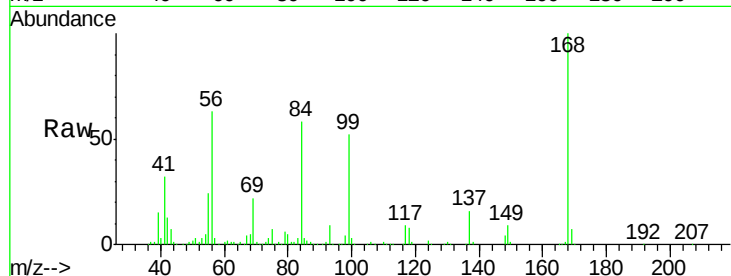
ClientSampled :

Tot Ion:168 Resp: 1432409

Ion Ratio Lower Upper

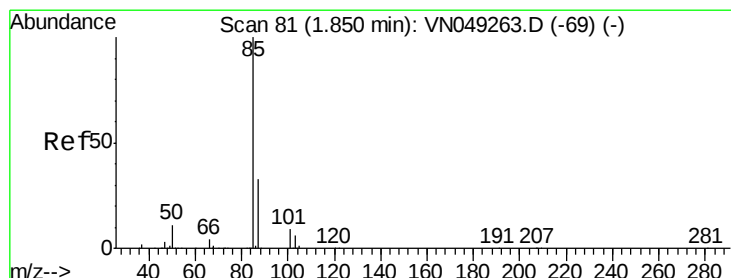
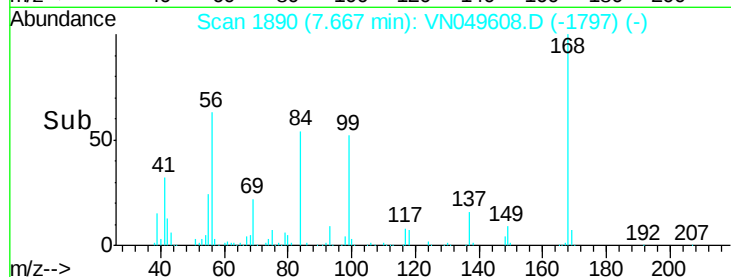
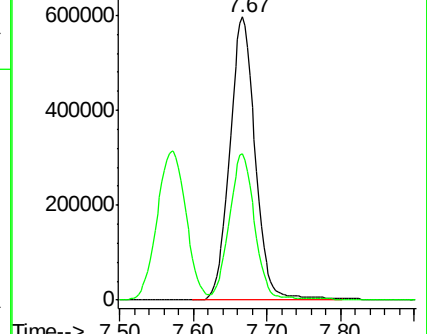
168 100

99 51.3 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: 49.21 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049608.D

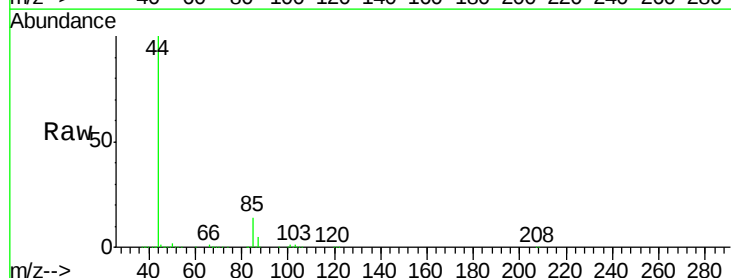
Acq: 28 Jun 2018 23:34

Tgt Ion: 85 Resp: 811256

Ion Ratio Lower Upper

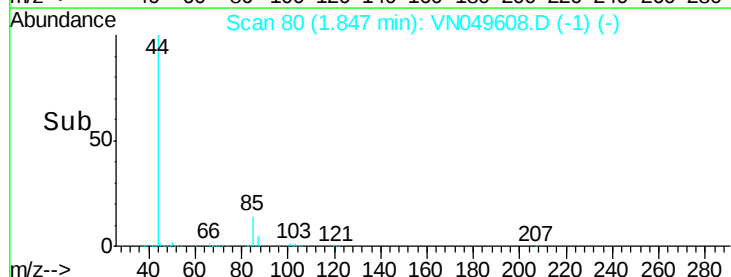
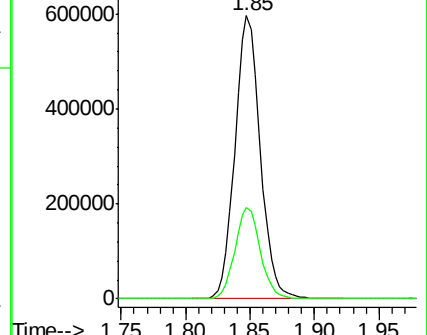
85 100

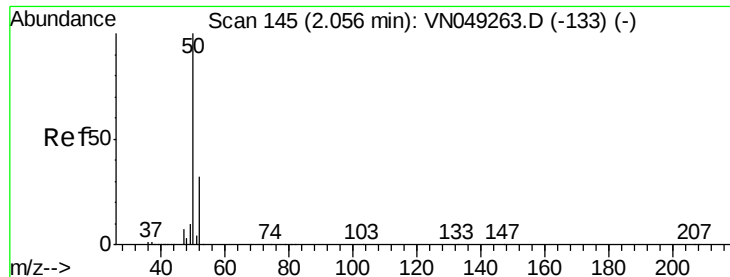
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.94 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

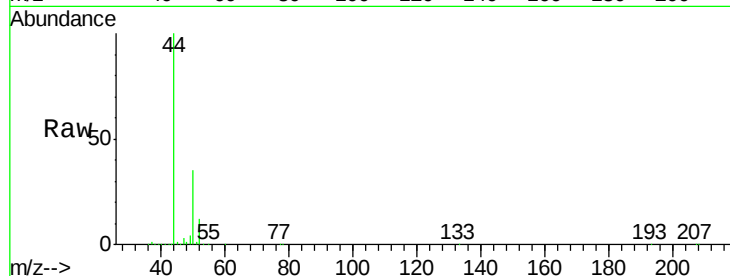
ClientSampled :

Tot Ion: 50 Resp: 956839

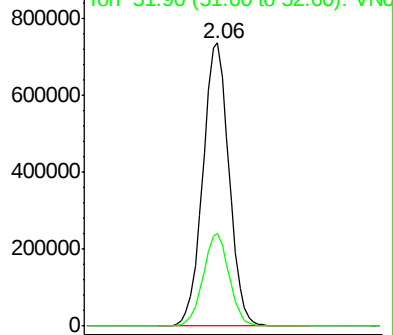
Ion Ratio Lower Upper

50 100

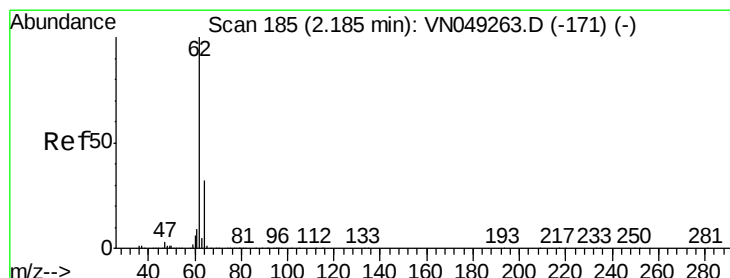
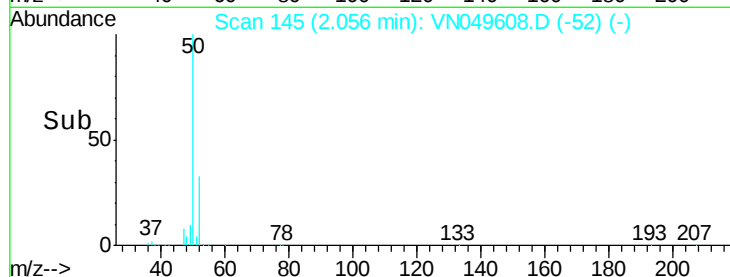
52 32.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049608.D (-52) (-)



Time-->



#4

Vinyl Chloride

Concen: 46.00 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049608.D

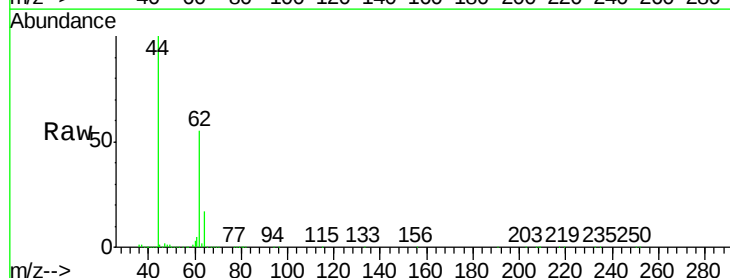
Acq: 28 Jun 2018 23:34

Tgt Ion: 62 Resp: 1040730

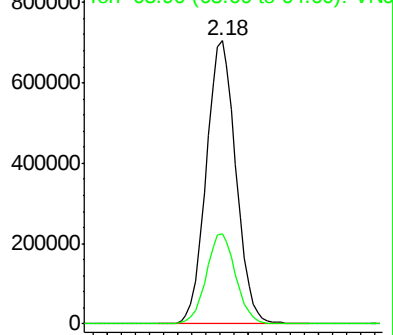
Ion Ratio Lower Upper

62 100

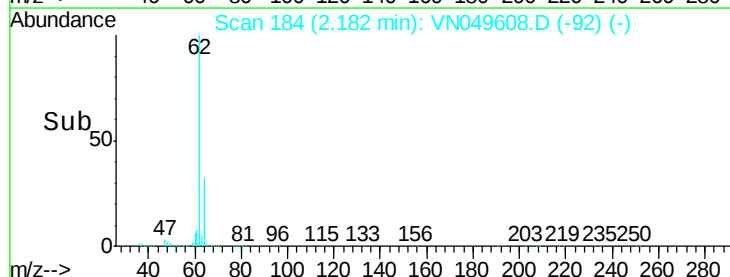
64 32.0 25.7 38.5

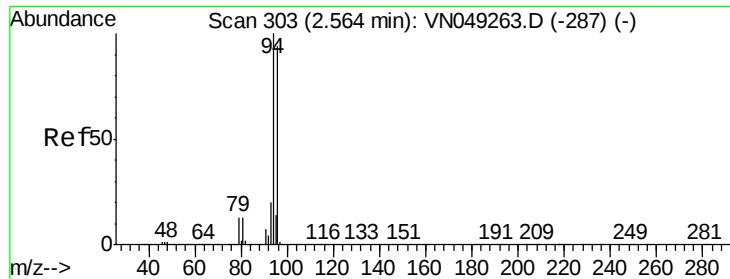


Abundance Ion 61.90 (61.60 to 62.60): VN049608.D (-92) (-)



Time-->





#5

Bromomethane

Concen: 41.50 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

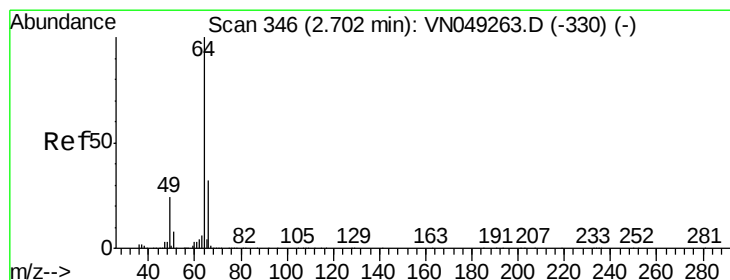
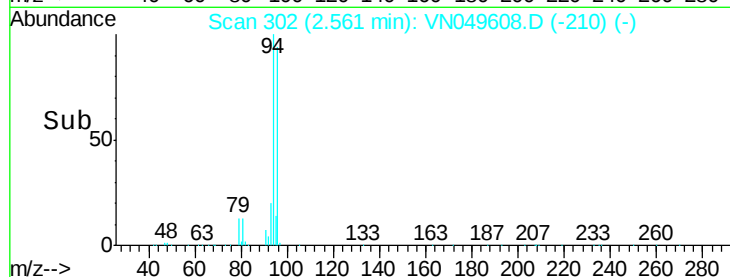
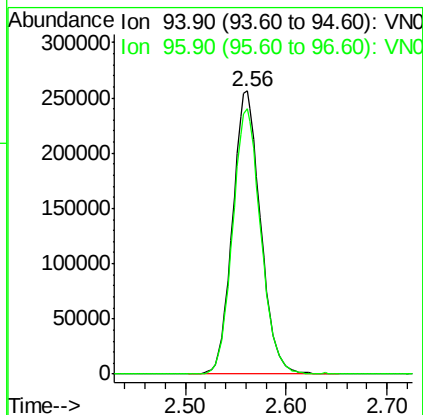
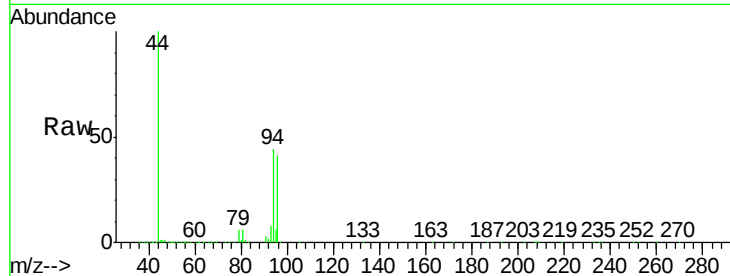
ClientSampleId :

Tot Ion: 94 Resp: 493562

Ion Ratio Lower Upper

94 100

96 93.8 72.8 109.2



#6

Chloroethane

Concen: 48.03 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049608.D

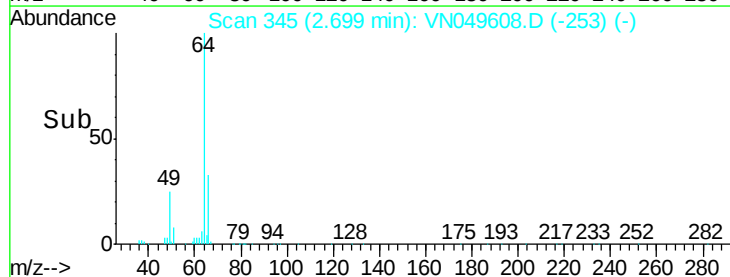
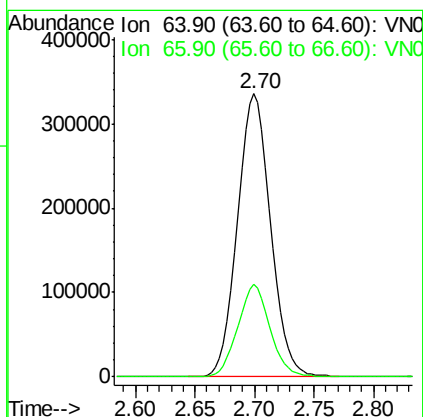
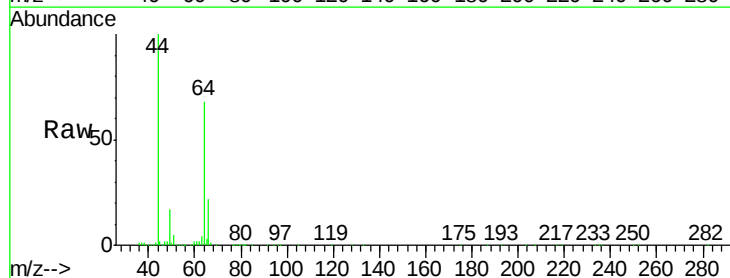
Acq: 28 Jun 2018 23:34

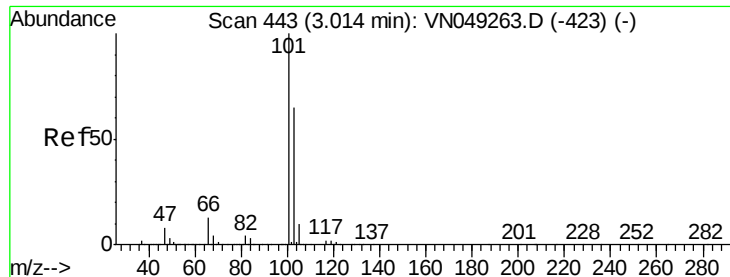
Tgt Ion: 64 Resp: 647925

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4



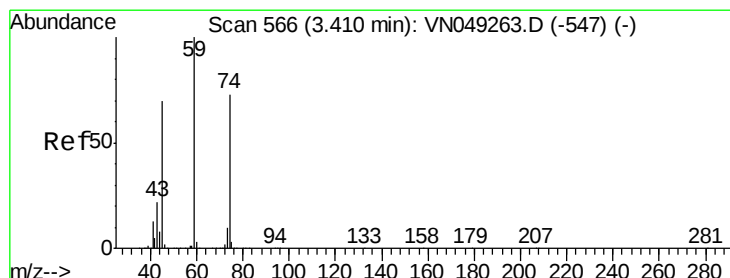
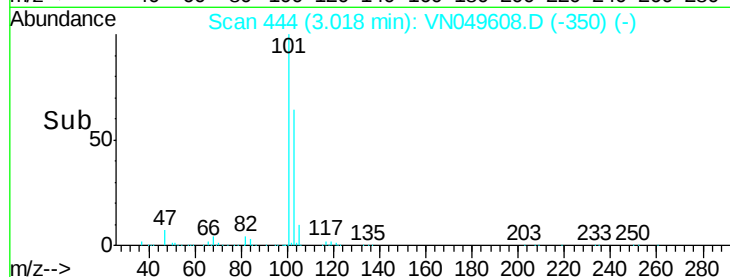
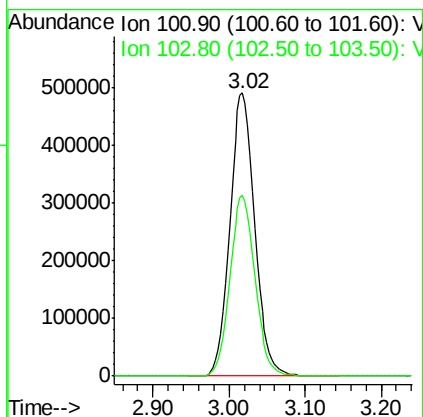
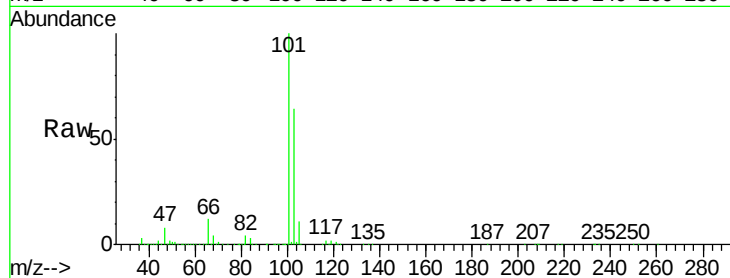


#7

Trichlorofluoromethane
Concen: 39.45 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampled :

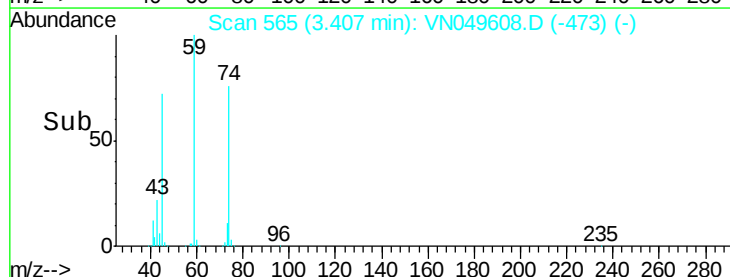
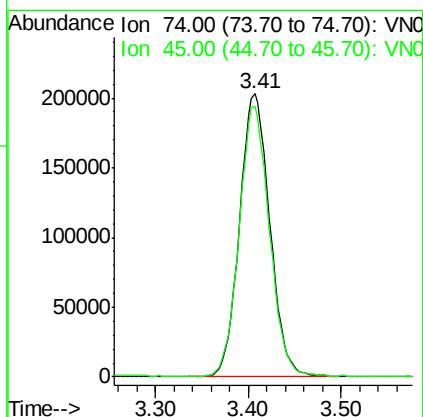
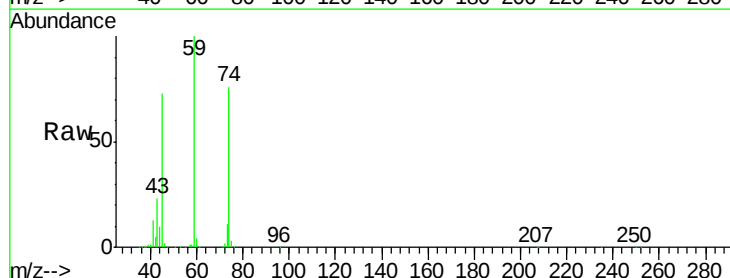
Tot Ion:101 Resp: 1113593
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5



#8

Diethyl Ether
Concen: 46.71 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 74 Resp: 460312
Ion Ratio Lower Upper
74 100
45 95.2 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.07 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

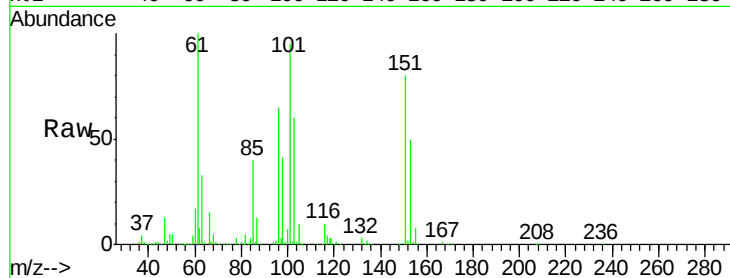
Tot Ion:101 Resp: 806835

Ion Ratio Lower Upper

101 100

85 42.5 37.6 56.4

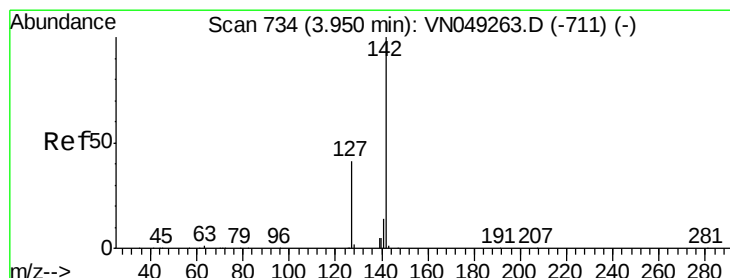
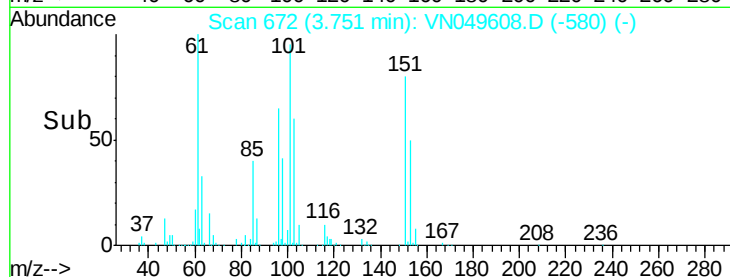
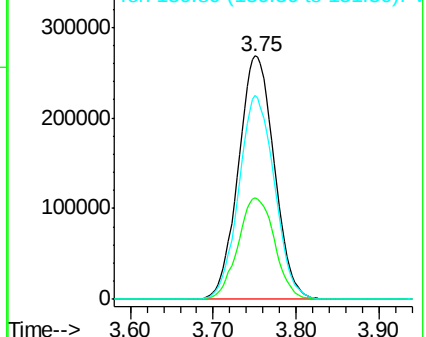
151 83.4 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.32 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

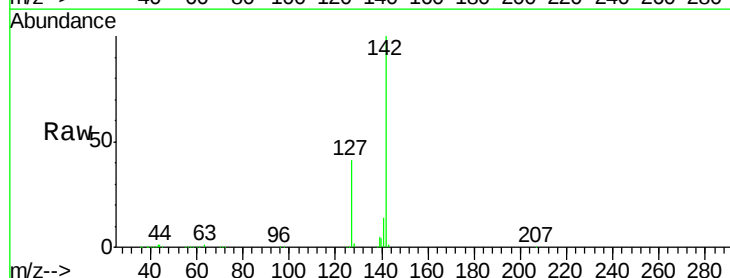
Tgt Ion:142 Resp: 1012439

Ion Ratio Lower Upper

142 100

127 40.9 38.2 57.4

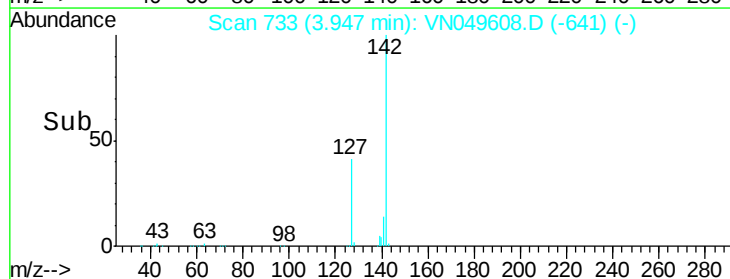
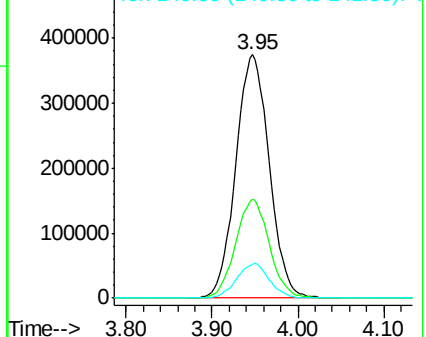
141 13.9 11.9 17.9

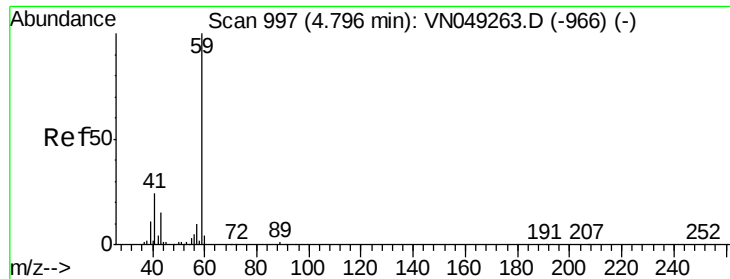


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

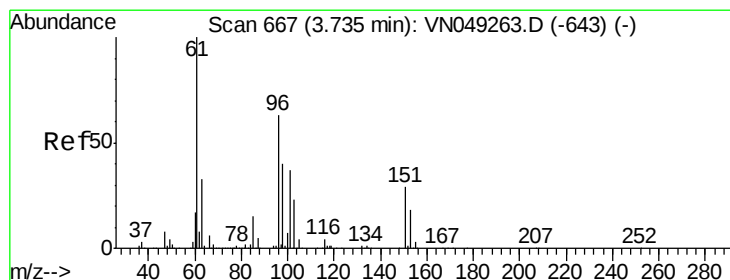
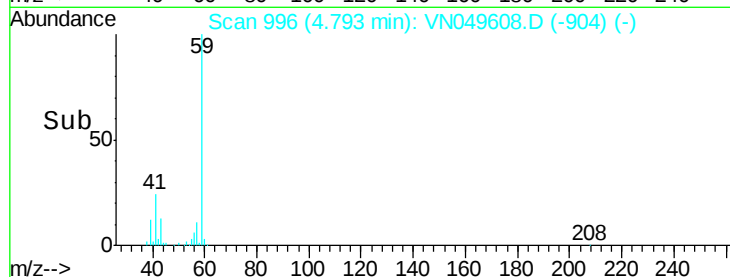
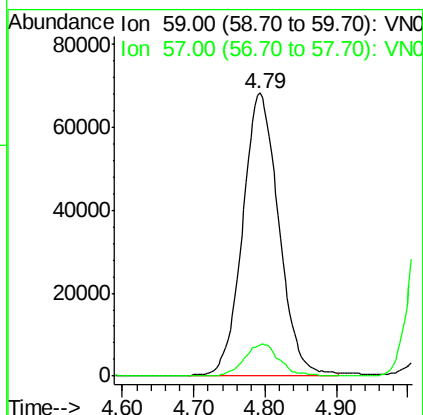
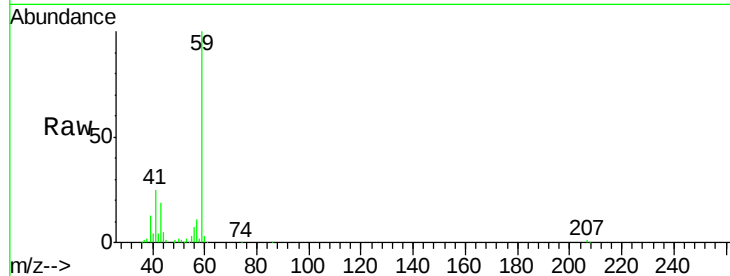




#11
Tert butyl alcohol
Concen: 215.60 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

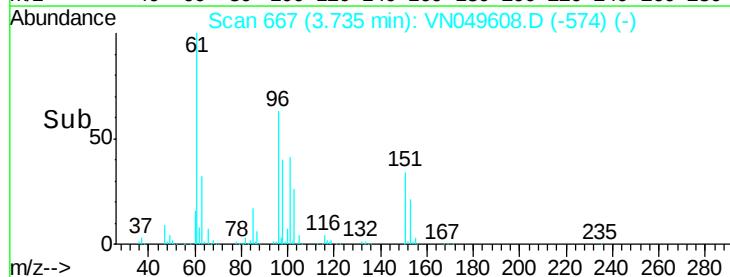
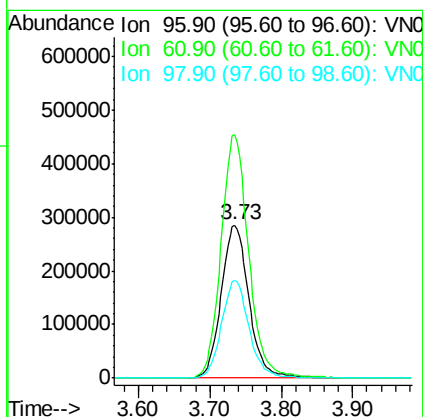
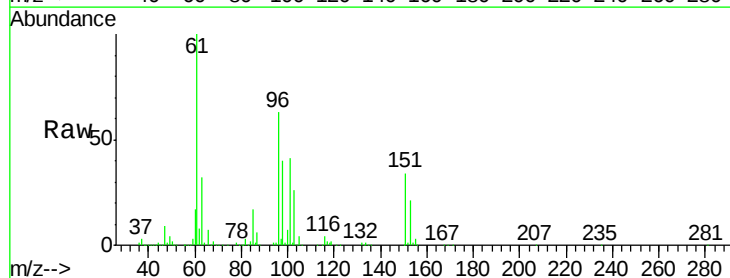
Instrument :
MSVOA_N
ClientSampleId :

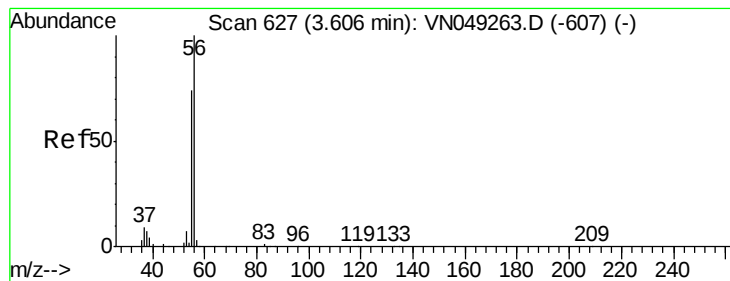
Tot Ion: 59 Resp: 240408
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.6



#12
1,1-Dichloroethene
Concen: 46.98 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 96 Resp: 771567
Ion Ratio Lower Upper
96 100
61 159.3 141.0 211.4
98 64.1 50.4 75.6





#13

Acrolein

Concen: 228.57 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

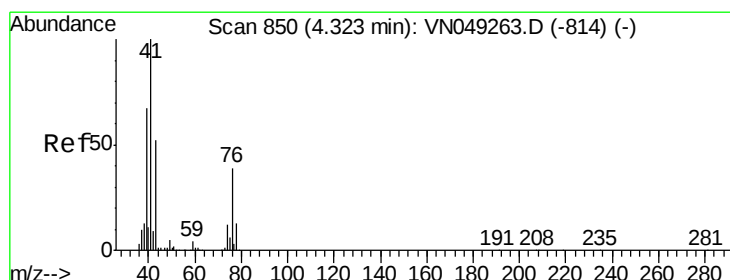
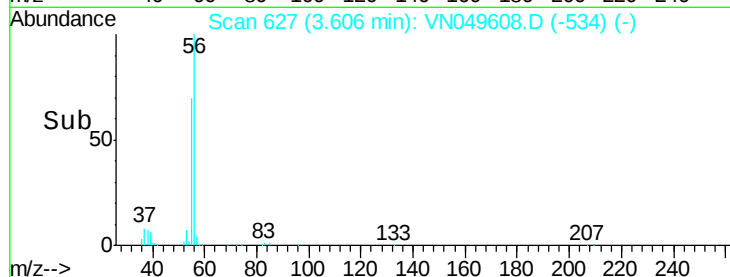
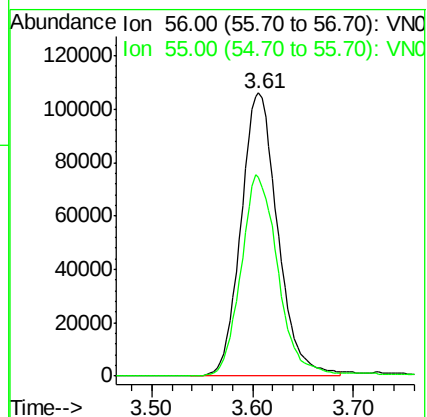
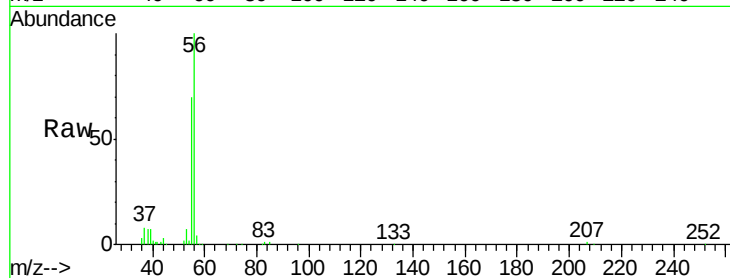
ClientSampleId :

Tot Ion: 56 Resp: 267276

Ion Ratio Lower Upper

56 100

55 71.3 57.1 85.7



#14

Allyl chloride

Concen: 37.52 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

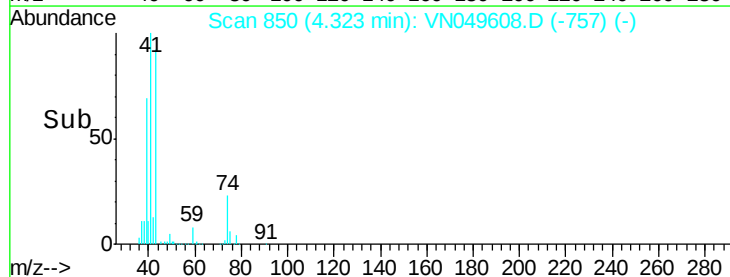
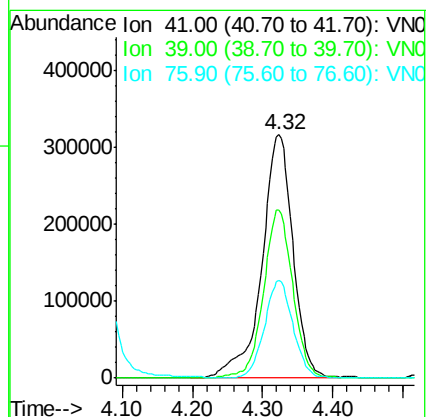
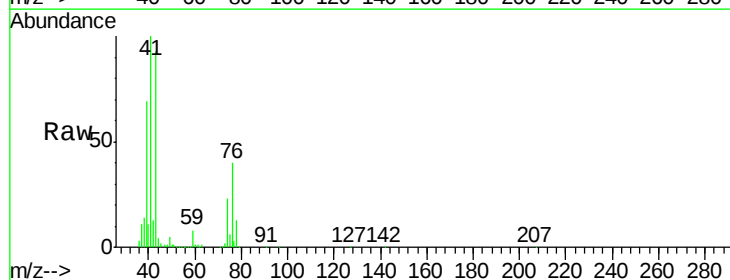
Tgt Ion: 41 Resp: 973076

Ion Ratio Lower Upper

41 100

39 65.1 62.5 93.7

76 36.3 27.1 40.7



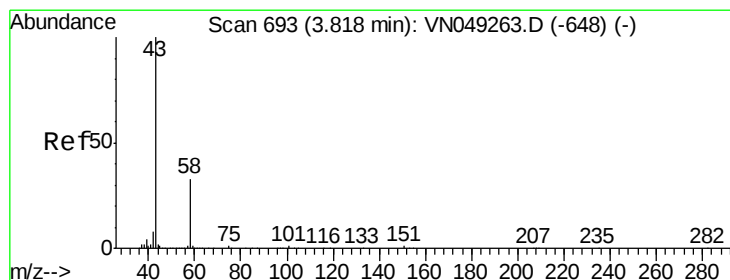
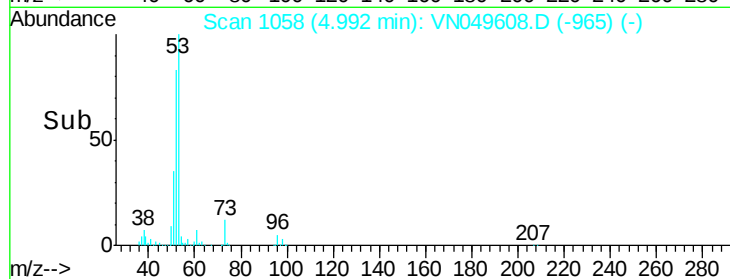
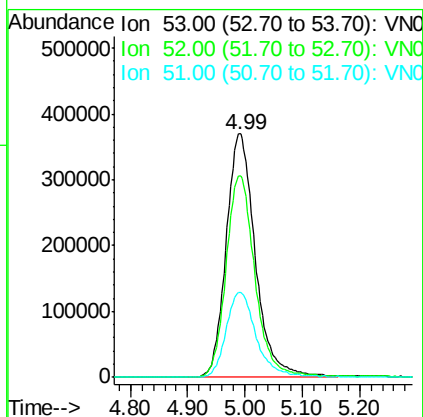
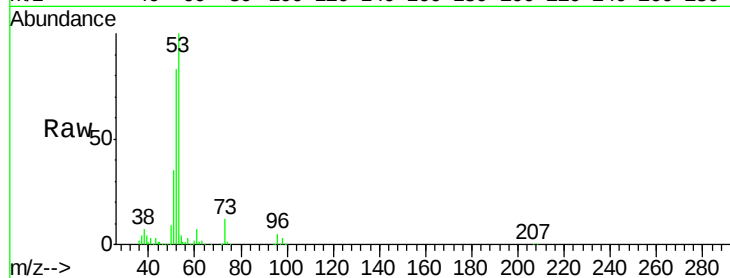


#15
 Acrylonitrile
 Concen: 234.84 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 53 Resp: 1309414

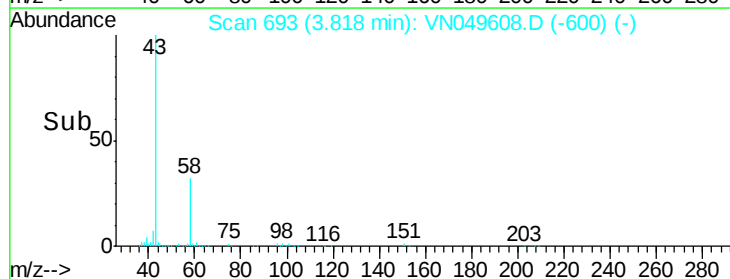
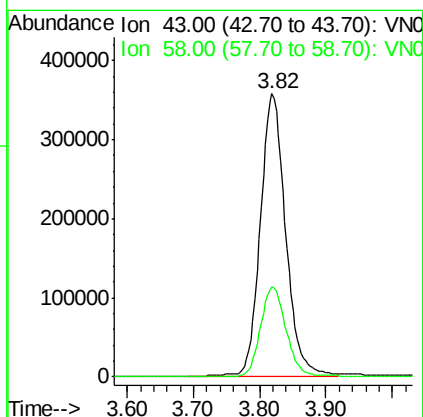
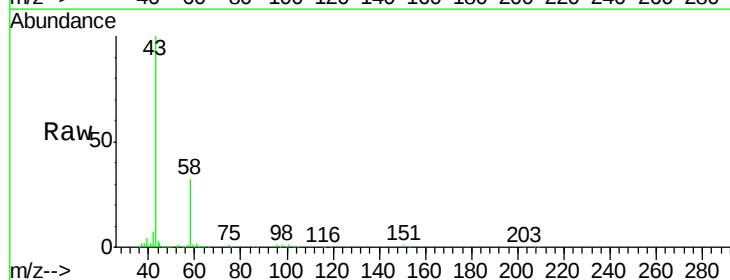
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	100.0
51	36.1	29.8	44.8

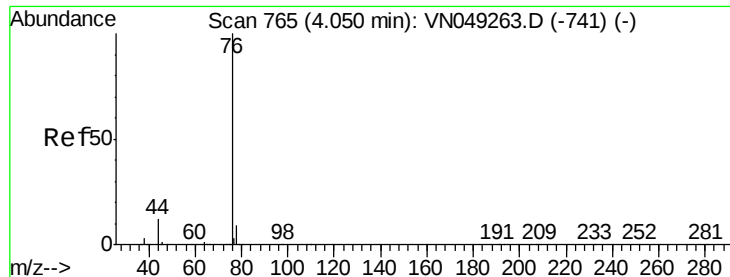


#16
 Acetone
 Concen: 206.98 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 954779

Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.4	33.6

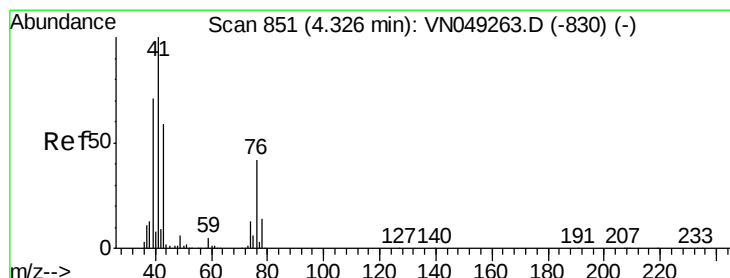
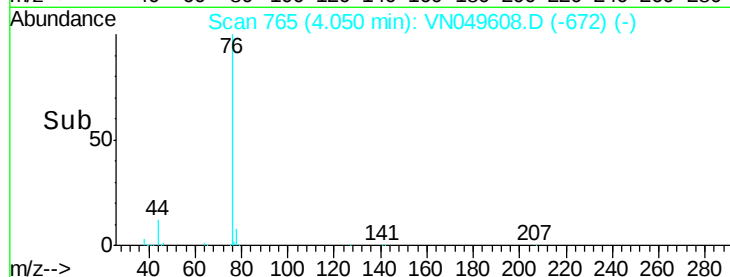
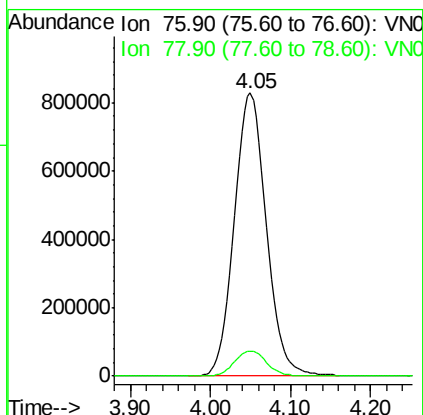
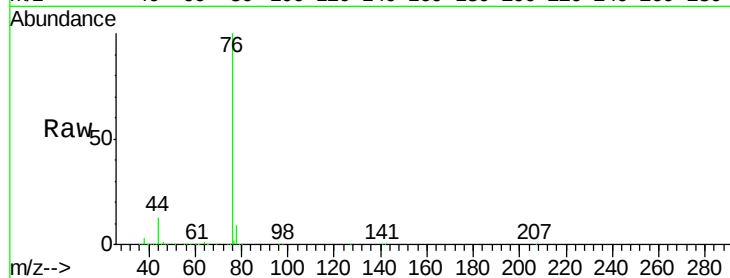




#17
Carbon Disulfide
Concen: 43.52 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

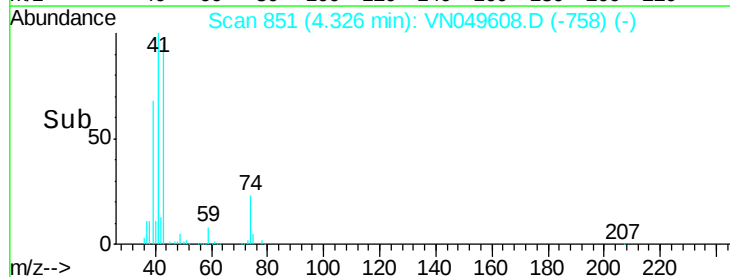
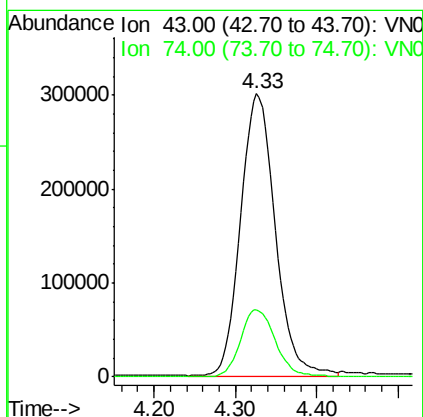
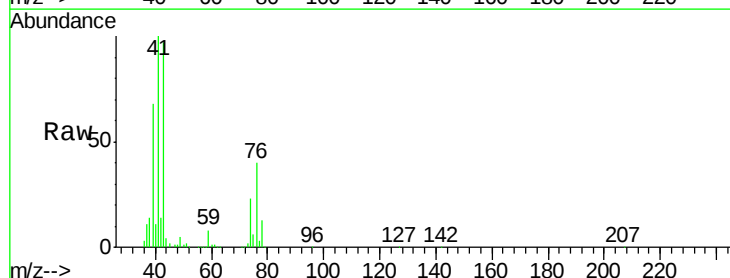
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 2240536
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 62.66 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 881302
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0

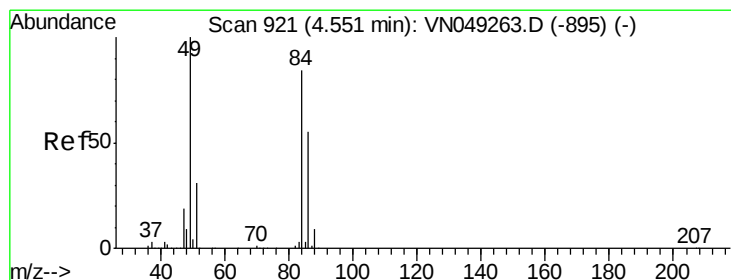
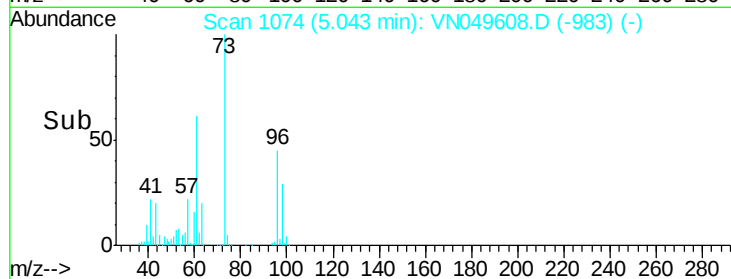
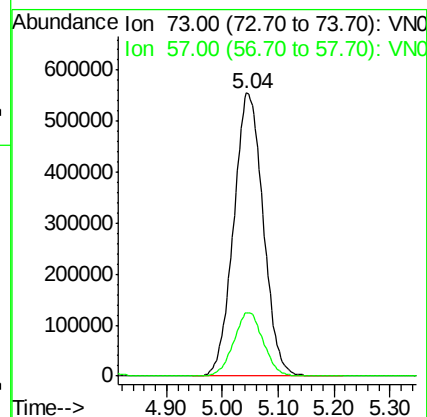
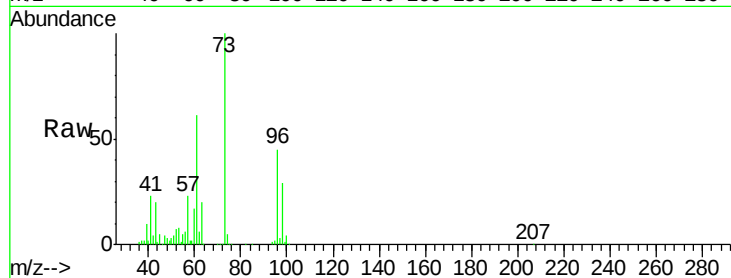




#19
Methvl tert-butvl Ether
Concen: 48.92 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

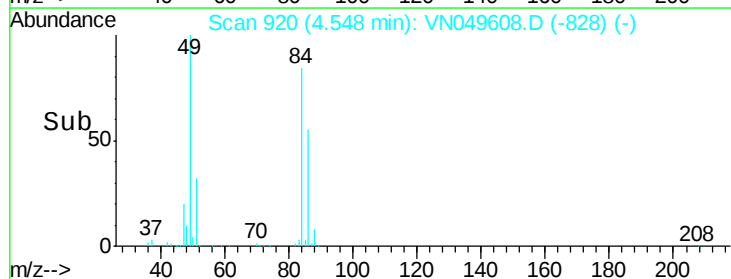
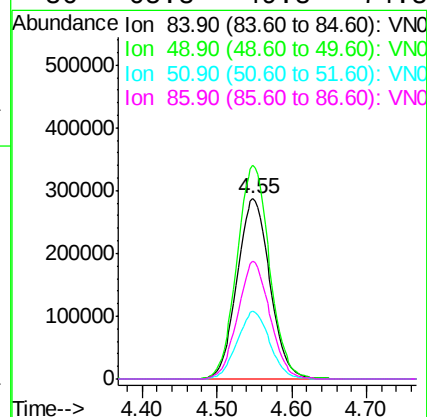
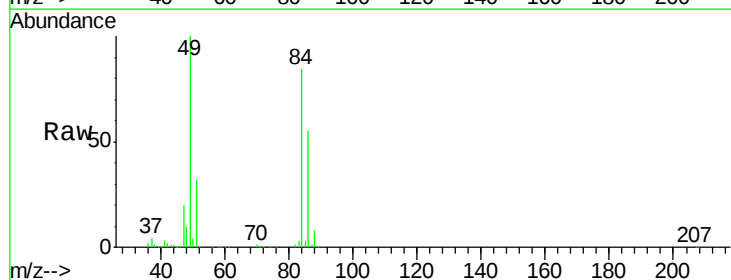
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 2048480
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 45.57 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 84 Resp: 877861
Ion Ratio Lower Upper
84 100
49 118.6 106.9 160.3
51 37.4 32.7 49.1
86 65.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.23 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

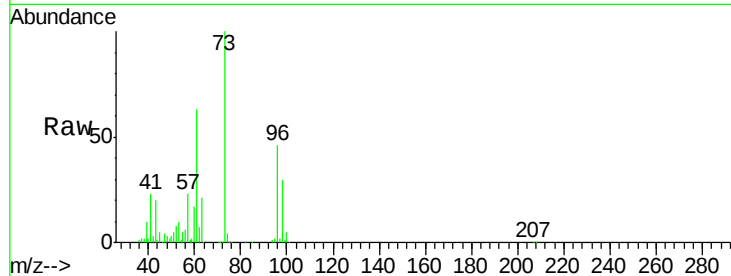
Tot Ion: 96 Resp: 803872

Ion Ratio Lower Upper

96 100

61 136.2 121.3 181.9

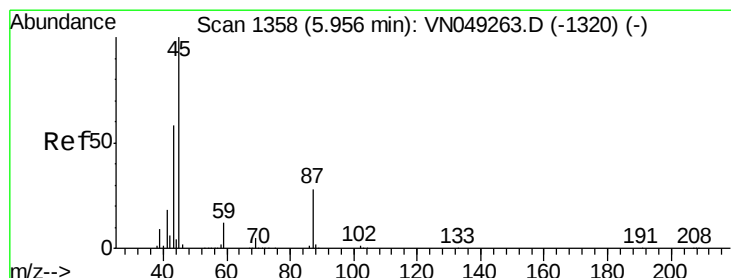
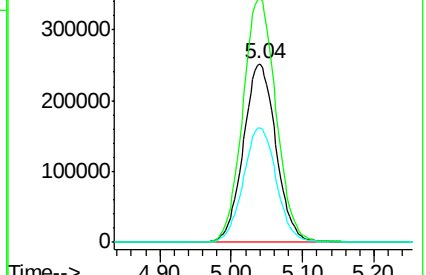
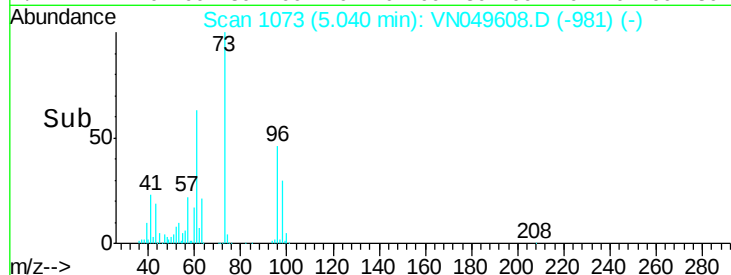
98 64.2 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN049608.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049608.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049608.D (-981) (-)



#22

Diisopropyl ether

Concen: 49.25 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 45 Resp: 2550650

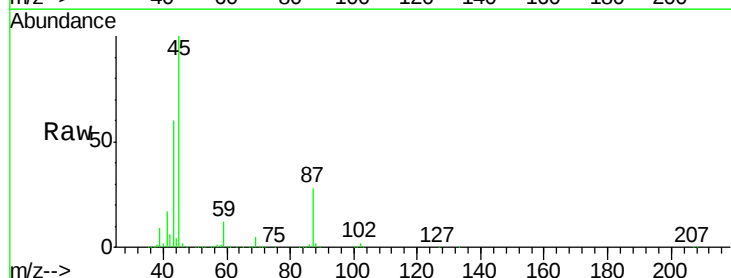
Ion Ratio Lower Upper

45 100

43 59.7 48.6 72.8

87 28.2 20.2 30.2

59 11.8 9.0 13.4

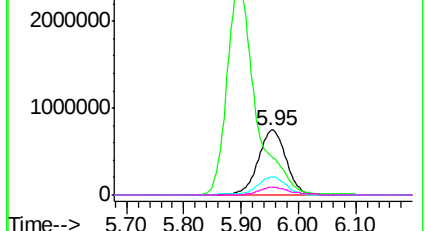
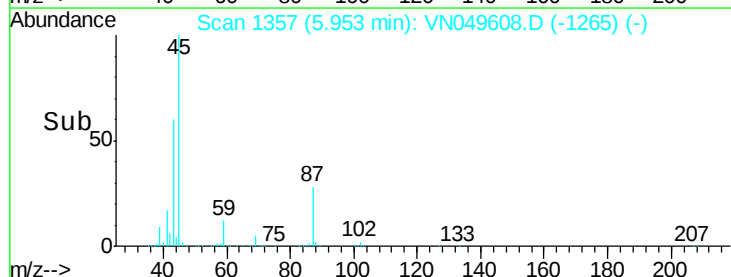


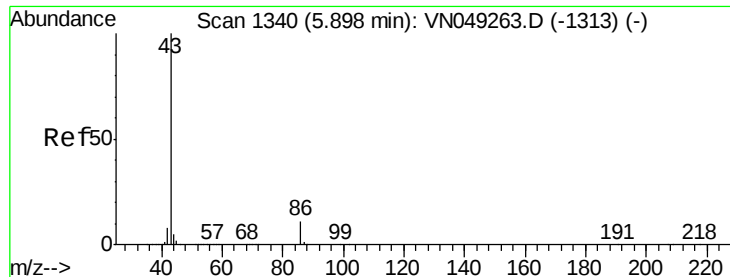
Abundance Ion 45.00 (44.70 to 45.70): VN049608.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049608.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049608.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049608.D (-1265) (-)

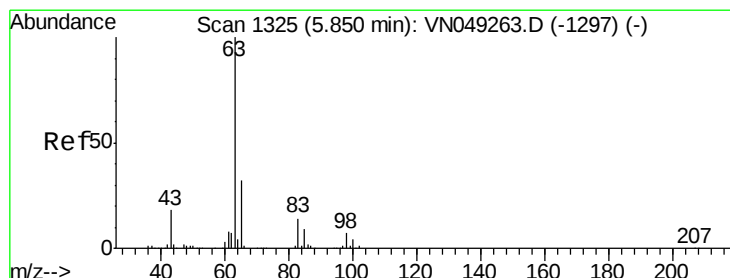
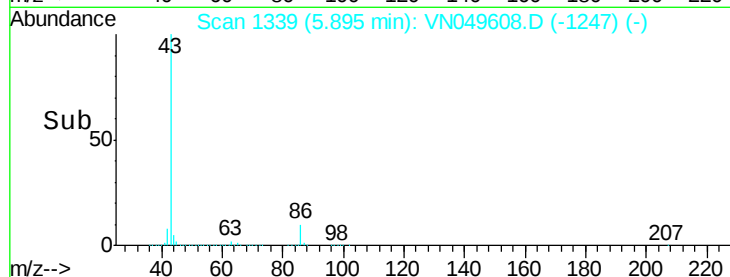
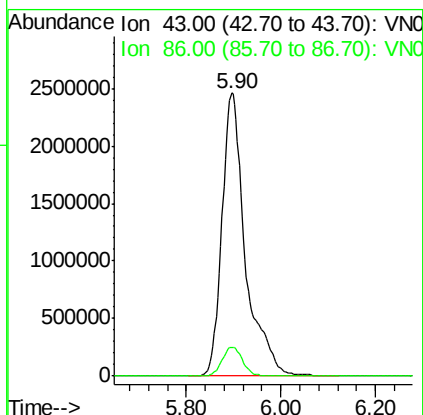
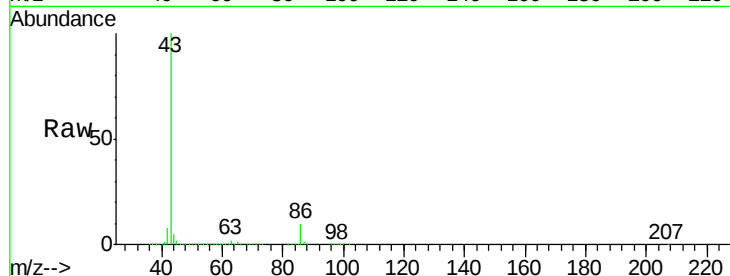




#23
 Vinyl Acetate
 Concen: 250.60 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

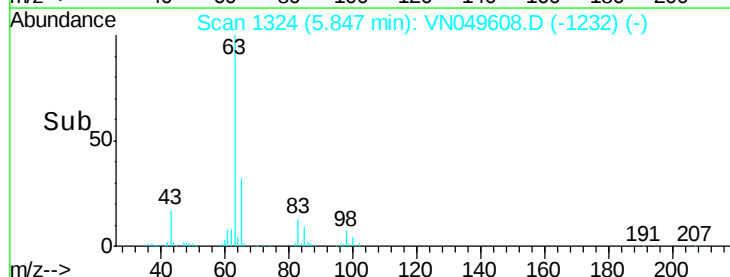
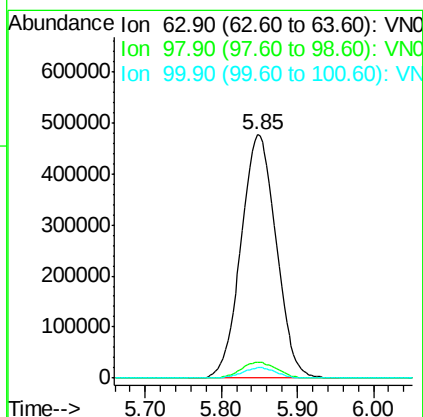
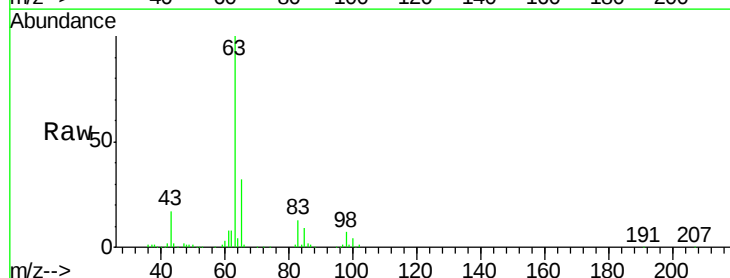
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 8460291
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 46.21 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 63 Resp: 1531777
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 228.22 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

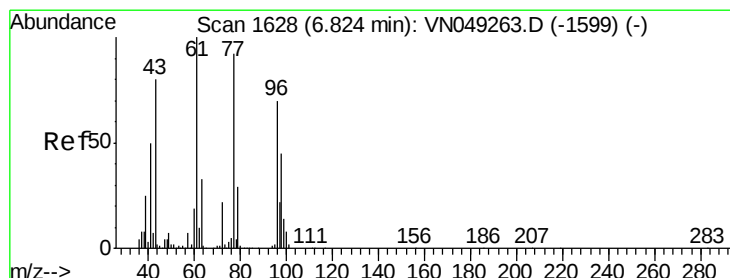
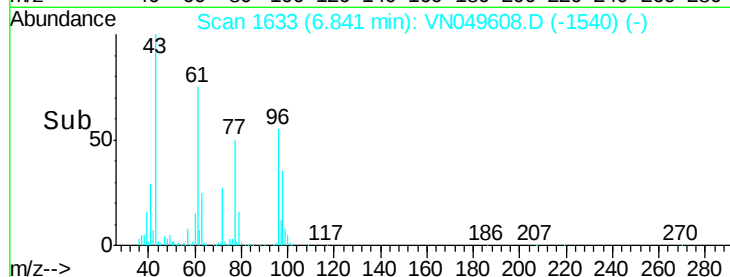
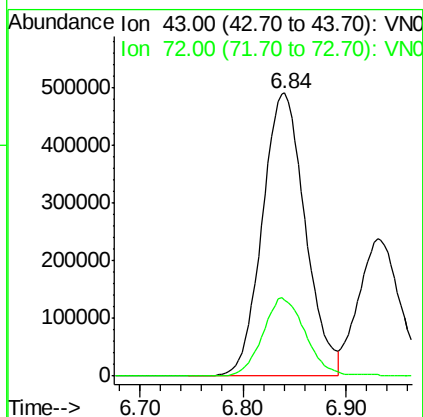
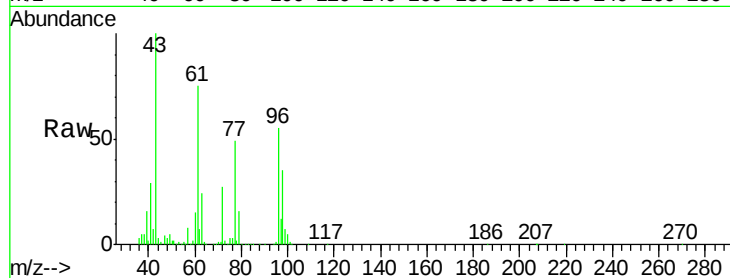
ClientSampled :

Tot Ion: 43 Resp: 1413575

Ion Ratio Lower Upper

43 100

72 26.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 39.19 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049608.D

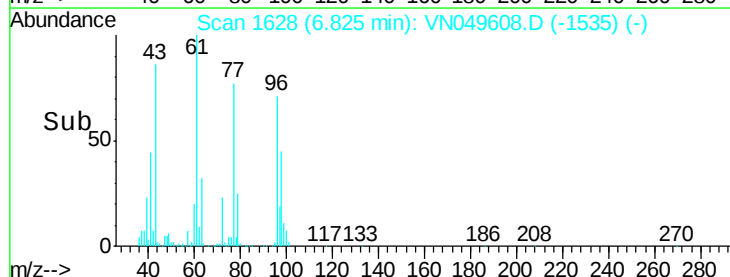
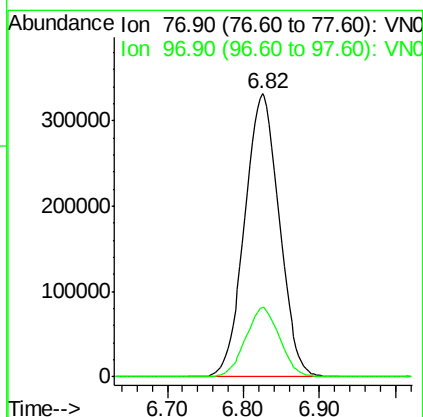
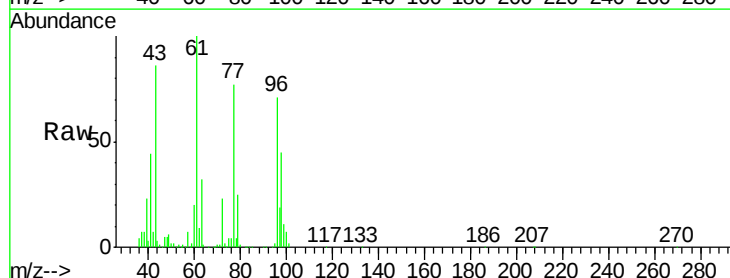
Acq: 28 Jun 2018 23:34

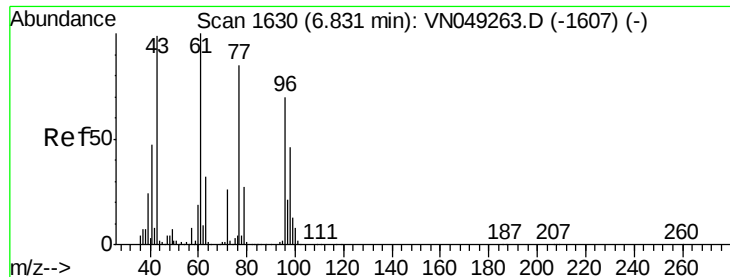
Tgt Ion: 77 Resp: 1049089

Ion Ratio Lower Upper

77 100

97 24.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.91 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

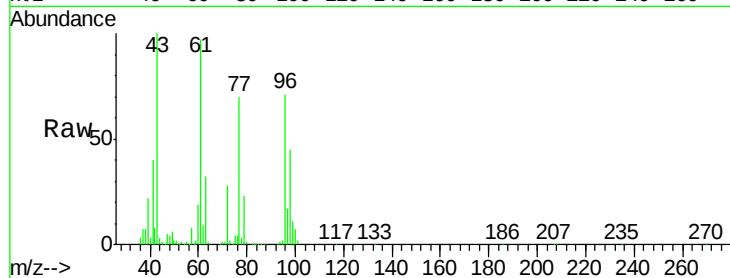
Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 926091

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	316.4
98	63.7	0.0	128.4

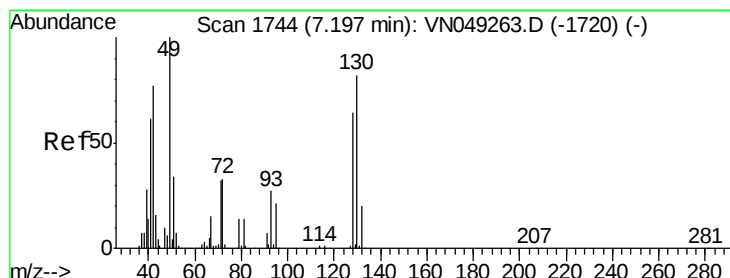
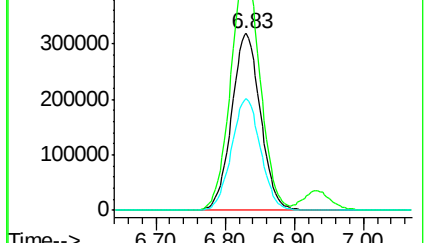
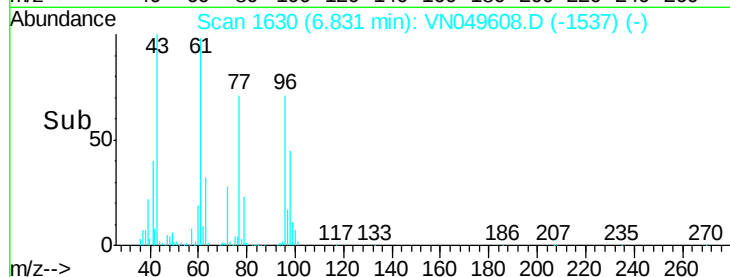


Abundance

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: 47.21 ug/l

RT: 7.19 min Scan# 1743

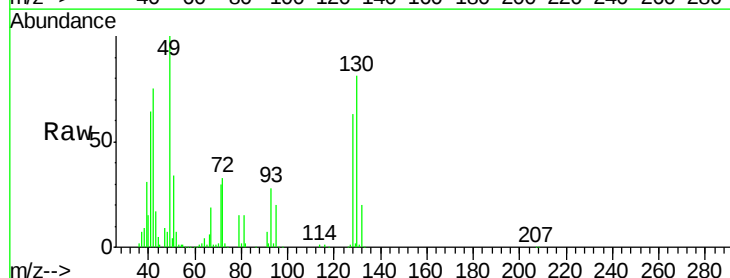
Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 49 Resp: 693772

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.5	54.9	82.3#

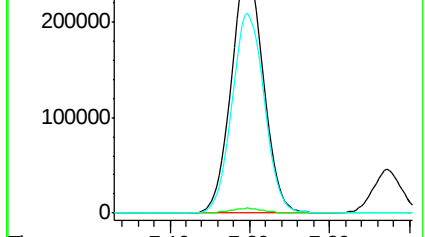
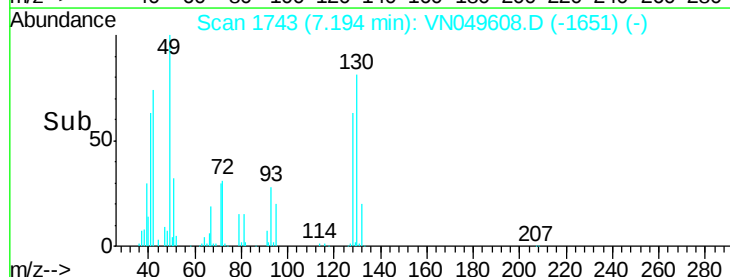


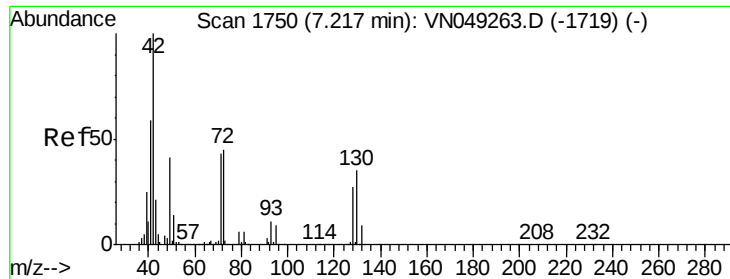
Abundance

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

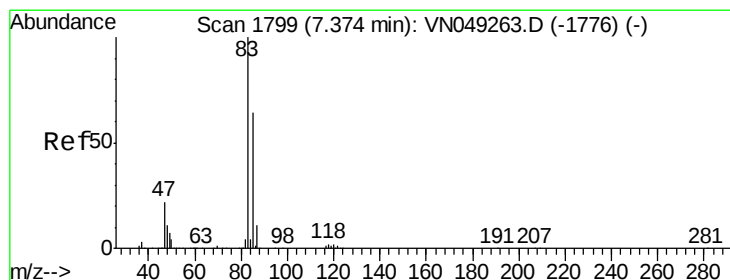
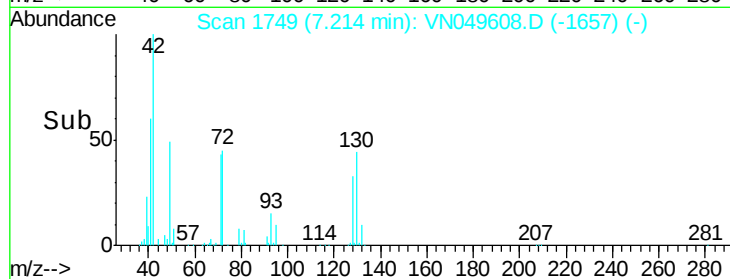
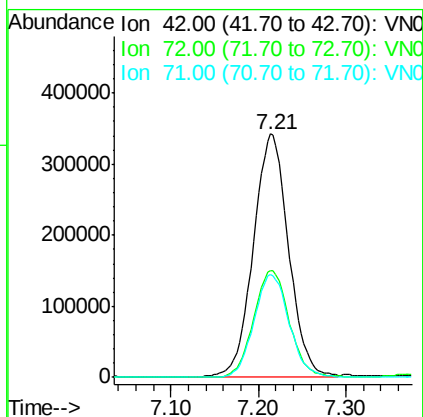
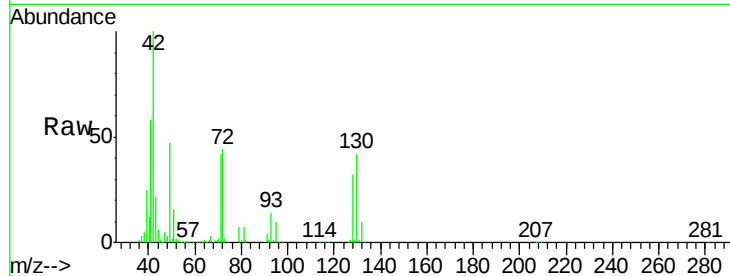




#29
Tetrahydrofuran
Concen: 239.60 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

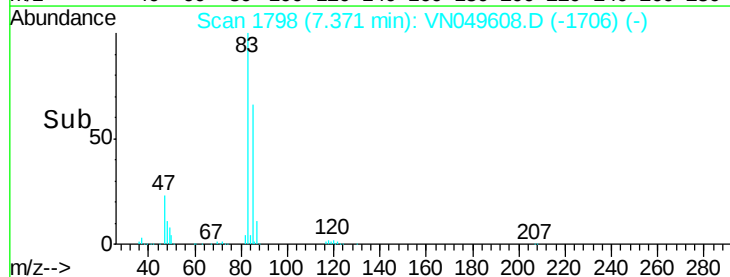
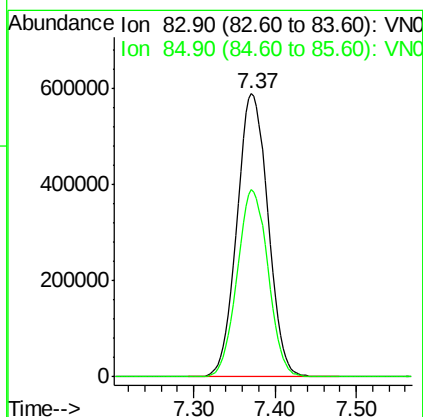
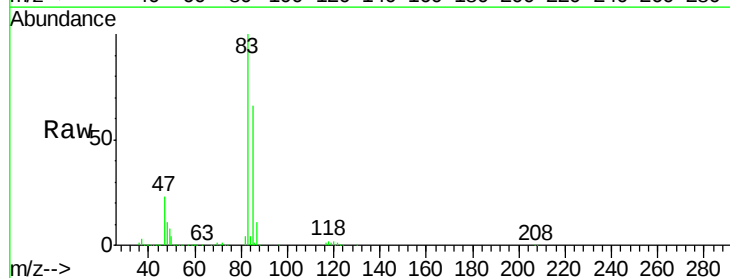
Instrument :
MSVOA_N
ClientSampleId :

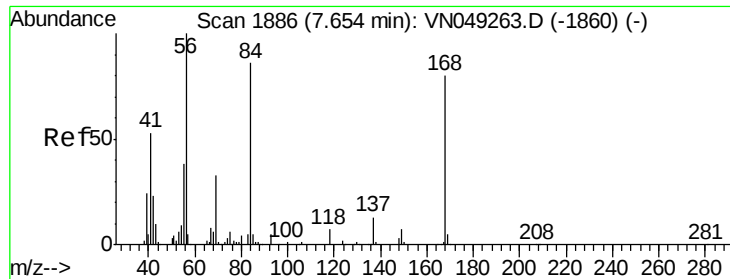
Tot Ion: 42 Resp: 955340
Ion Ratio Lower Upper
42 100
72 44.4 32.2 48.4
71 42.2 30.5 45.7



#30
Chloroform
Concen: 47.08 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 83 Resp: 1552954
Ion Ratio Lower Upper
83 100
85 66.0 51.7 77.5

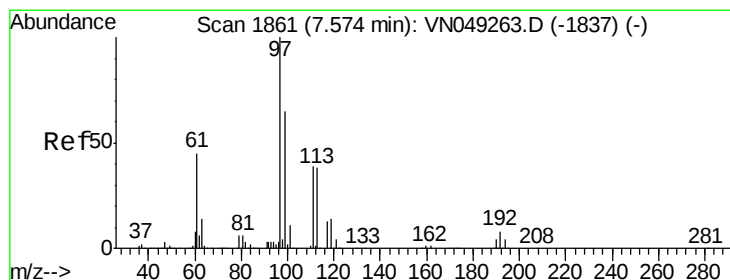
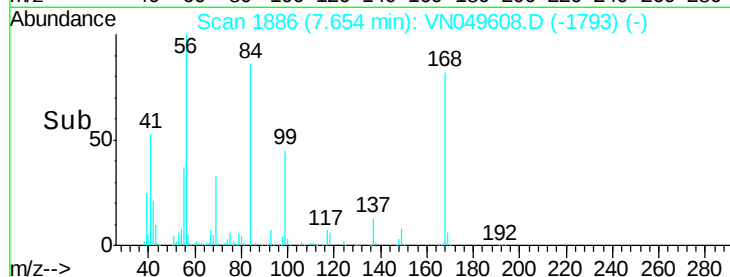
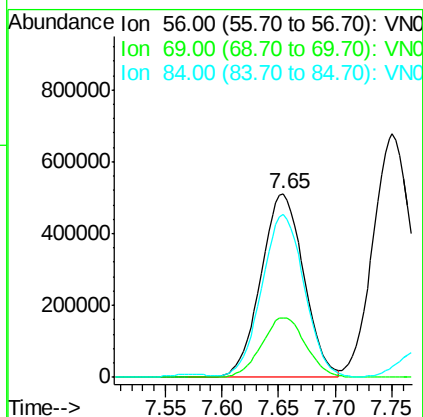
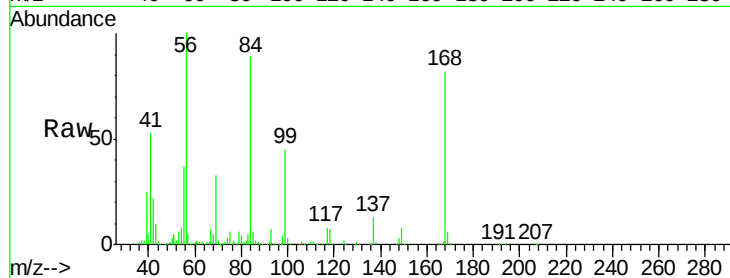




#31
Cyclohexane
Concen: 47.88 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

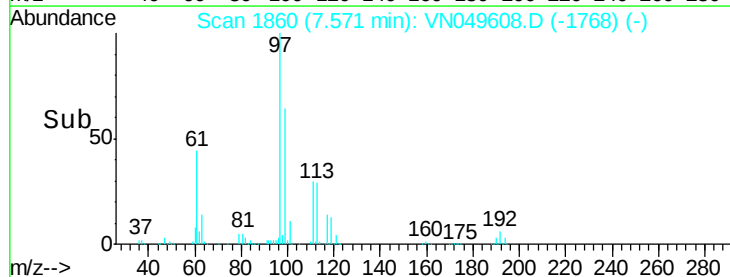
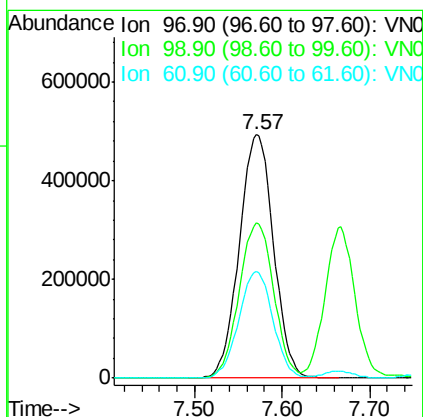
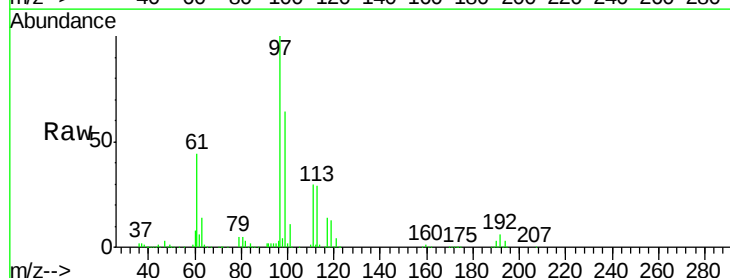
Instrument :
MSVOA_N
ClientSampled :

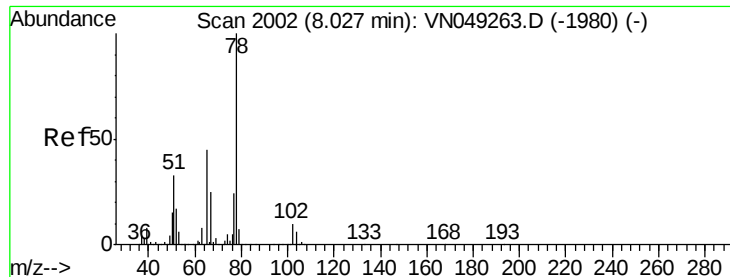
Tot Ion: 56 Resp: 1345459
Ion Ratio Lower Upper
56 100
69 32.6 25.0 37.4
84 86.9 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 47.55 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 97 Resp: 1338397
Ion Ratio Lower Upper
97 100
99 64.5 50.5 75.7
61 43.7 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 47.81 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

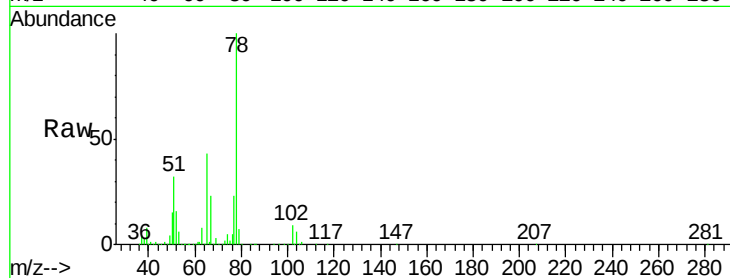
ClientSampleId :

Tot Ion: 65 Resp: 908282

Ion Ratio Lower Upper

65 100

67 54.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049608.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049608.D (-1909) (-)

8.03

400000

300000

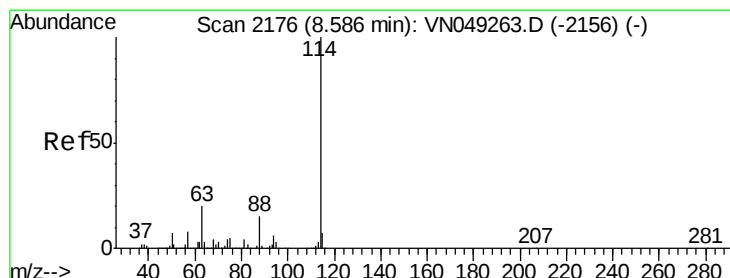
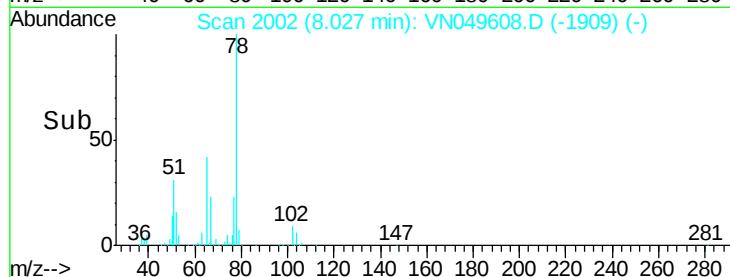
200000

100000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

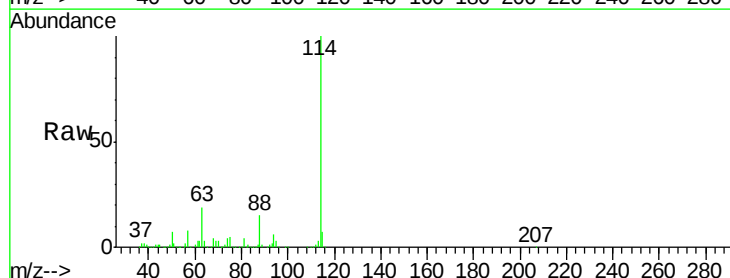
Tgt Ion: 114 Resp: 2178913

Ion Ratio Lower Upper

114 100

63 19.4 0.0 44.4

88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049608.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049608.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049608.D (-2083) (-)

8.59

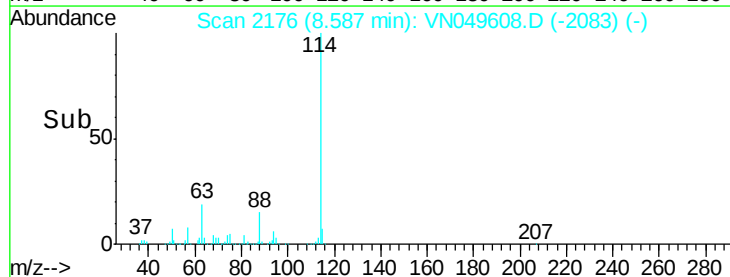
1000000

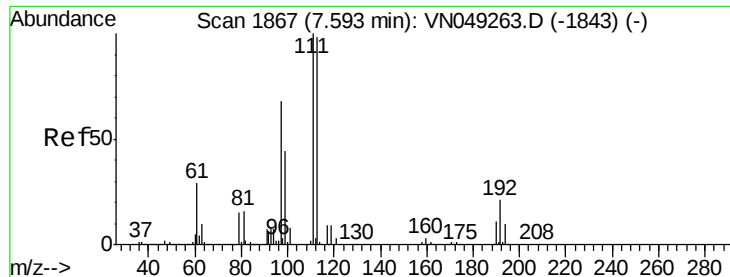
500000

0

8.50 8.60 8.70 8.80

Time-->

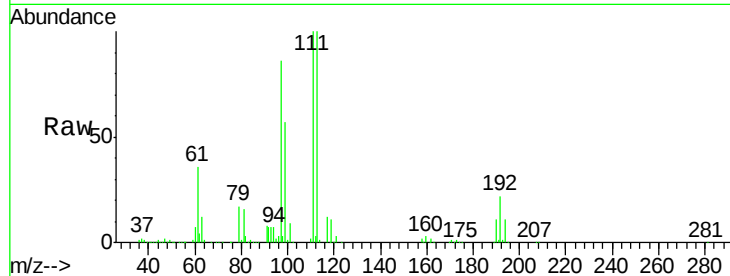




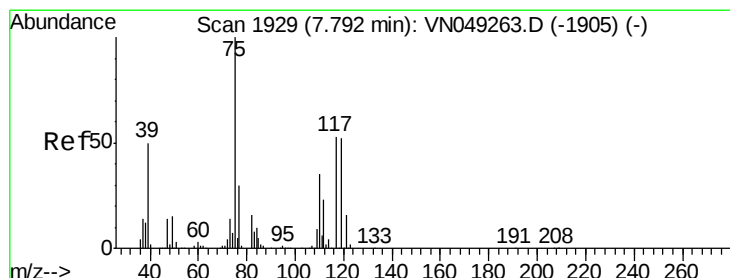
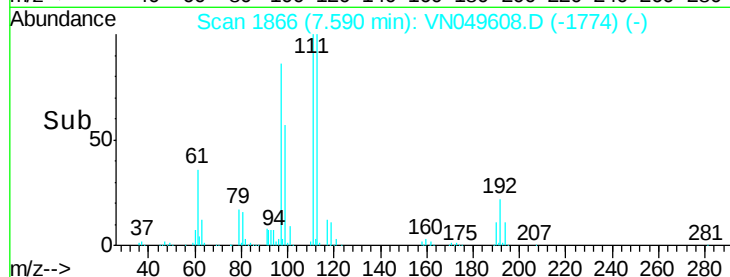
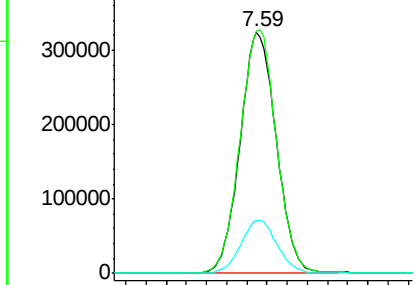
#35
 Dibromofluoromethane
 Concen: 45.70 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 805608
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.4 123.6
 192 22.0 15.0 22.6

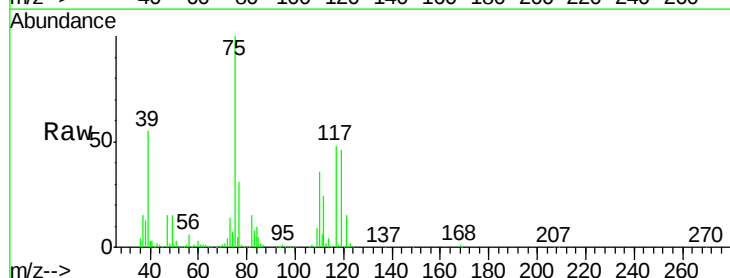


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

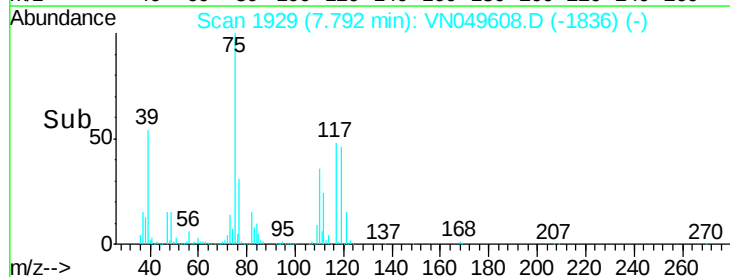
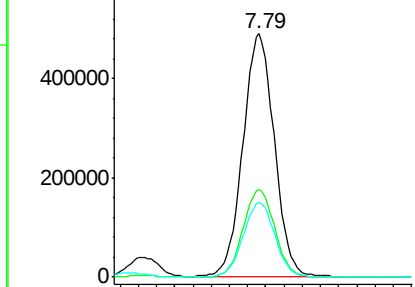


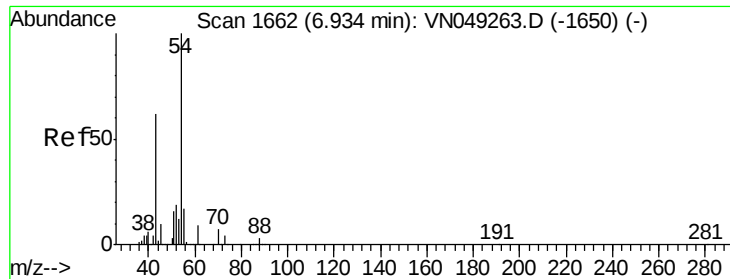
#36
 1,1-Dichloropropene
 Concen: 47.00 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 75 Resp: 1173725
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.0 50.9
 77 31.3 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

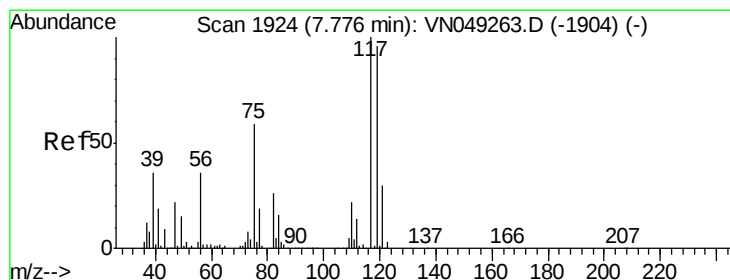
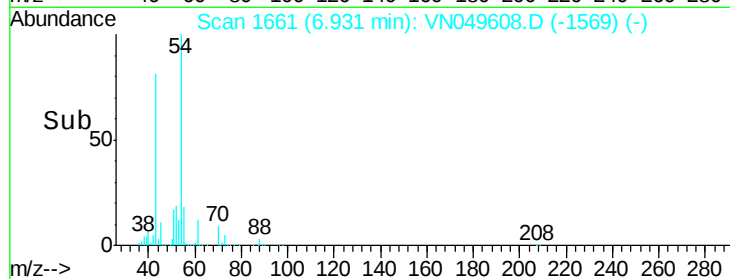
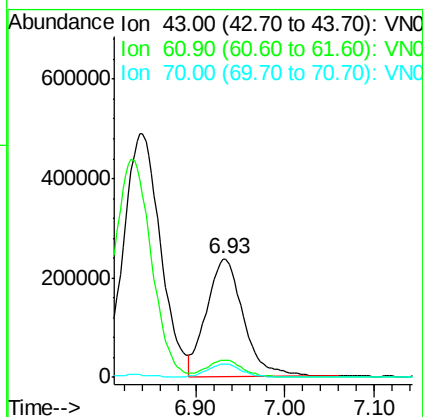
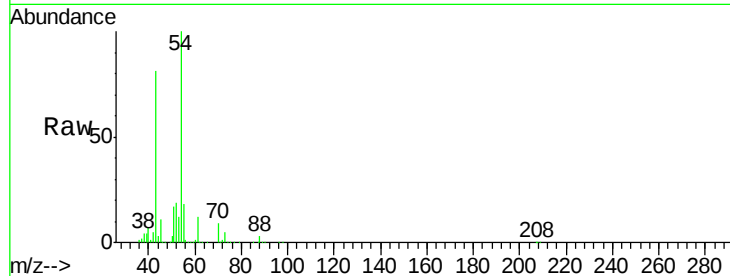




#37
Ethyl Acetate
Concen: 49.99 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

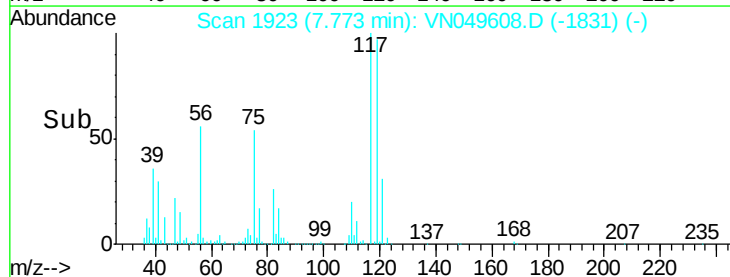
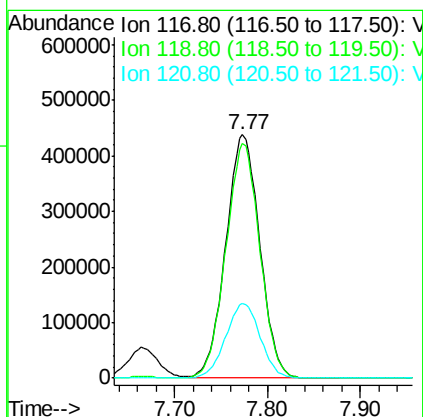
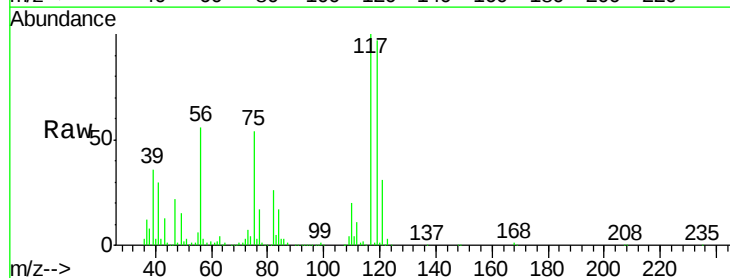
Instrument :
MSVOA_N
ClientSampled :

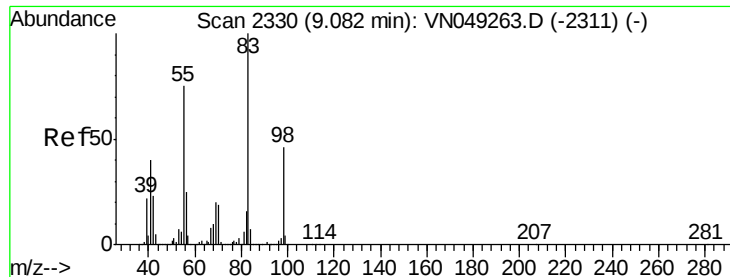
Tot Ion: 43 Resp: 678690
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.4
70 10.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 43.02 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 117 Resp: 1112240
Ion Ratio Lower Upper
117 100
119 96.6 75.6 113.4
121 30.8 24.7 37.1

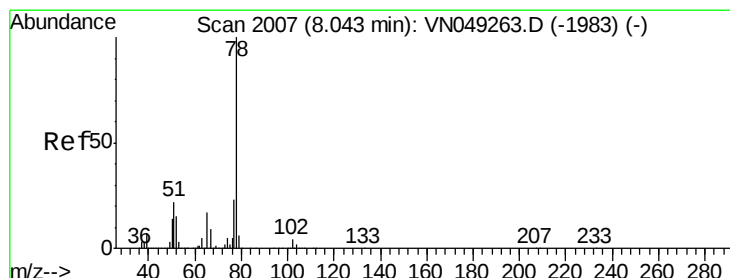
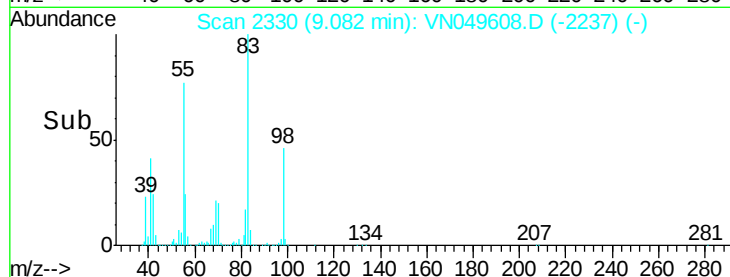
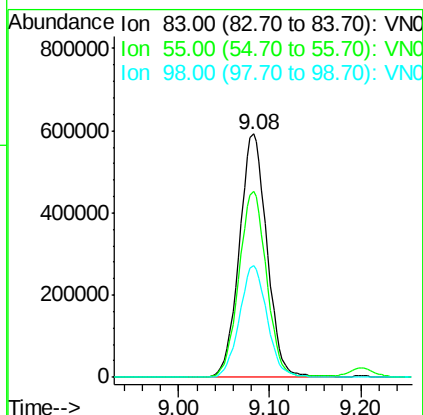
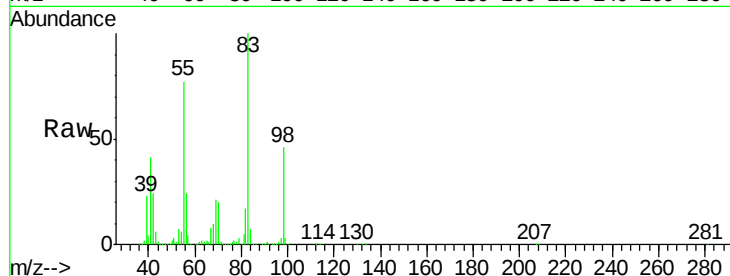




#39
Methvlcvclohexane
Concen: 46.53 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

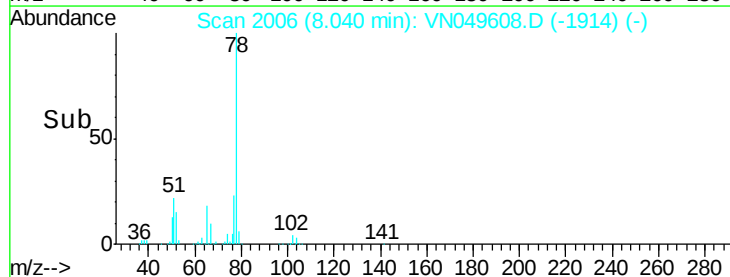
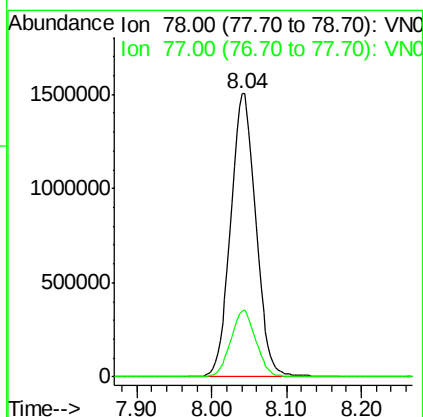
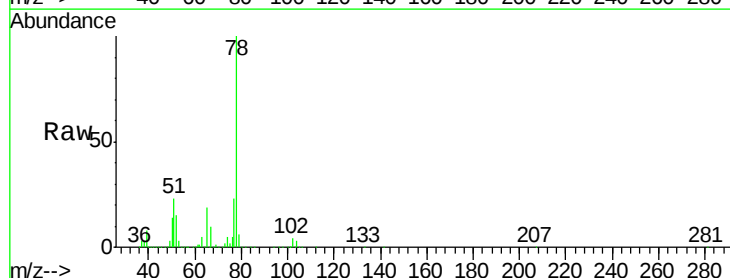
Instrument :
MSVOA_N
ClientSampleId :

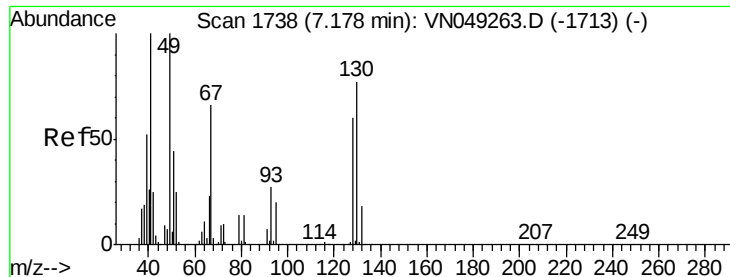
Tot Ion: 83 Resp: 1247361
Ion Ratio Lower Upper
83 100
55 76.5 65.1 97.7
98 45.9 36.5 54.7



#40
Benzene
Concen: 46.10 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 78 Resp: 3529588
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0

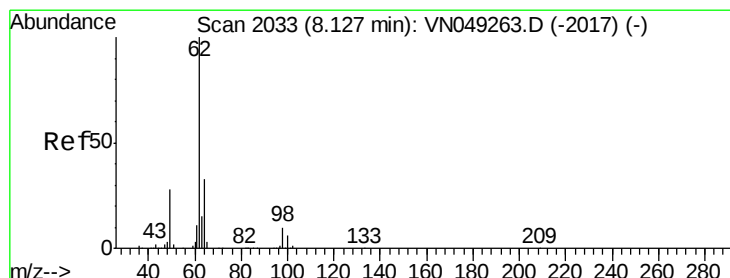
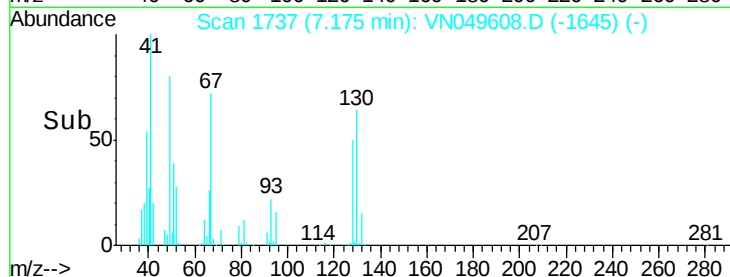
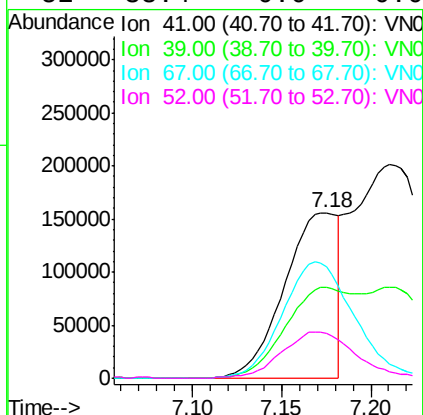
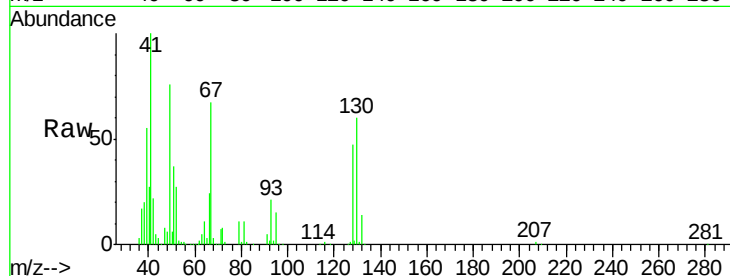




#41
Methacrylonitrile
Concen: 43.90 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

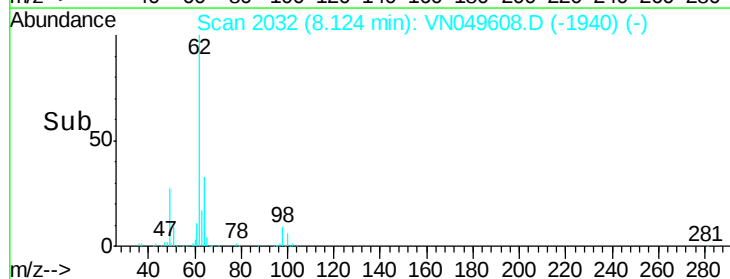
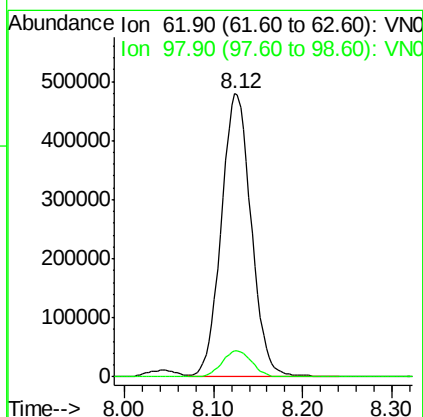
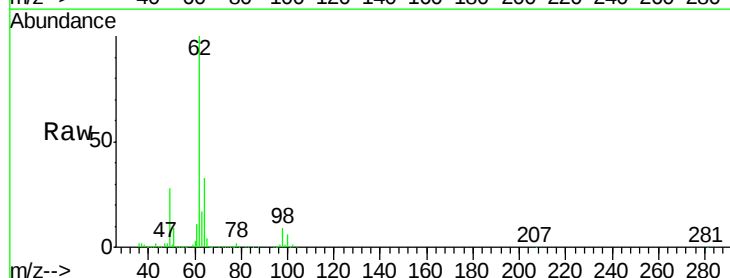
Instrument :
MSVOA_N
ClientSampleId :

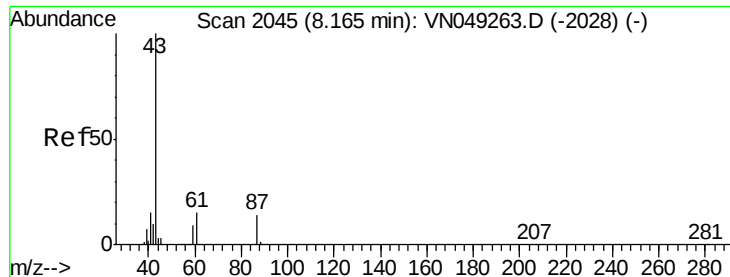
Tot Ion:	41	Resp:	322192
Ion	Ratio	Lower	Upper
41	100		
39	68.0	0.0	0.0#
67	95.9	0.0	0.0#
52	38.4	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 46.77 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion:	62	Resp:	1106296
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 51.01 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

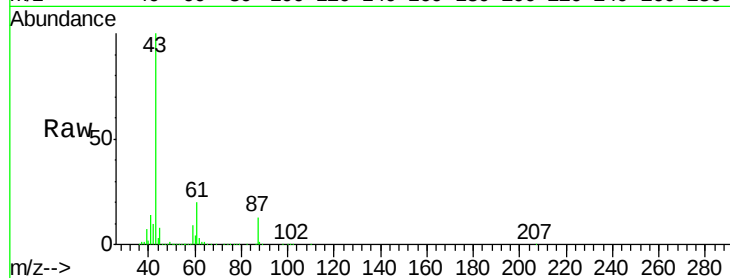
Instrument :

MSVOA_N

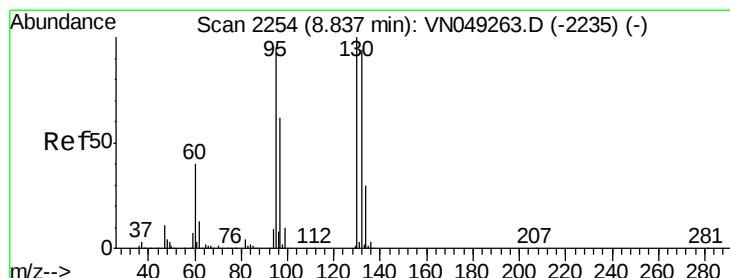
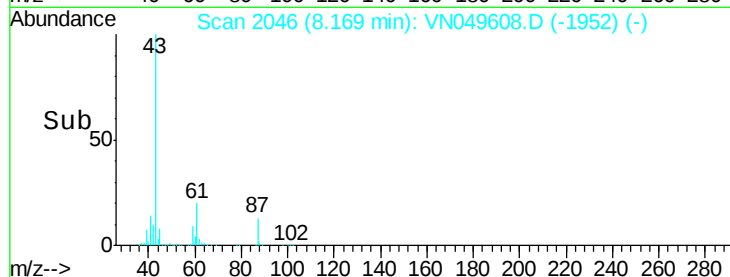
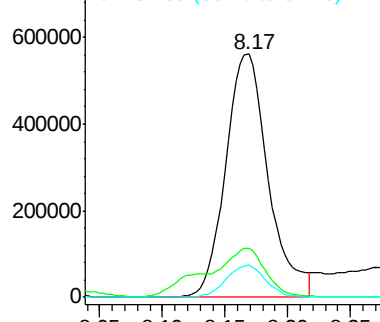
ClientSampleId :

Tot Ion: 43 Resp: 1323025

Ion	Ratio	Lower	Upper
43	100		
61	27.5	14.2	21.4#
87	12.5	9.4	14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)



#44

Trichloroethene

Concen: 51.52 ug/l

RT: 8.84 min Scan# 2254

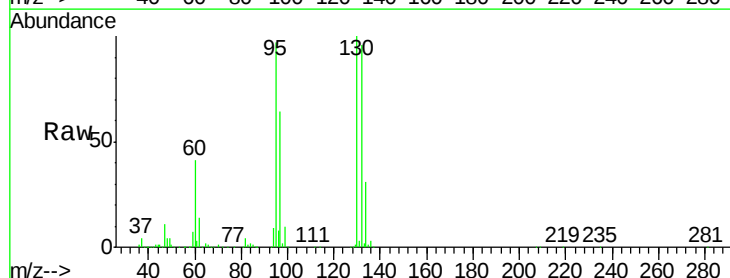
Delta R.T. 0.00 min

Lab File: VN049608.D

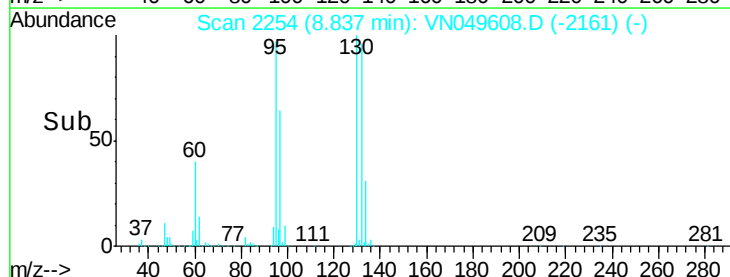
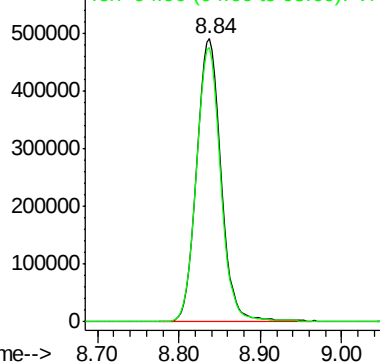
Acq: 28 Jun 2018 23:34

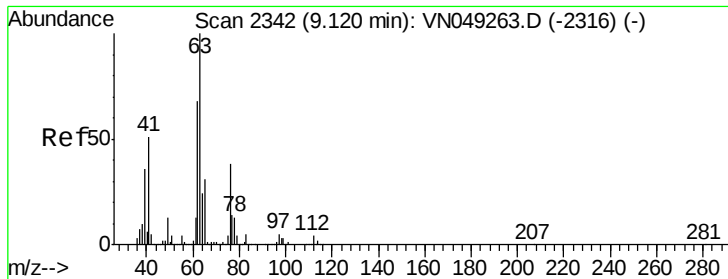
Tgt Ion:130 Resp: 1041530

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

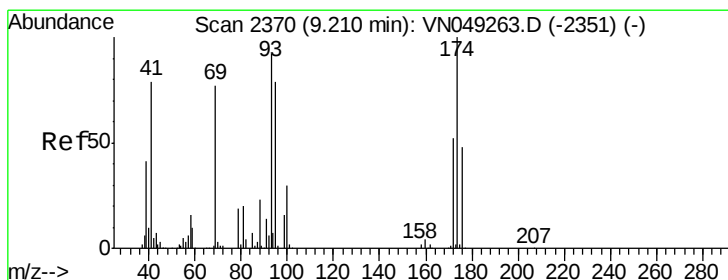
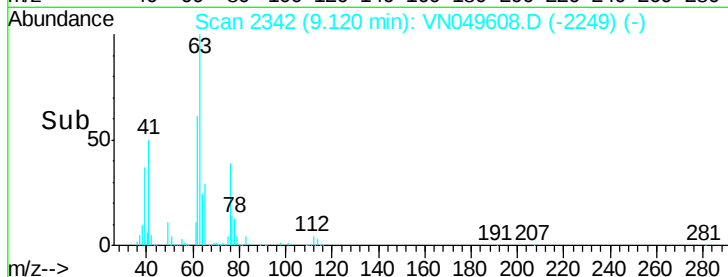
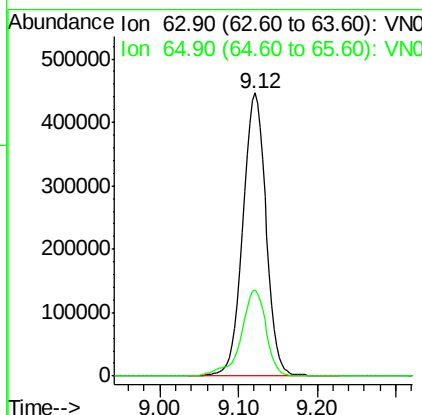
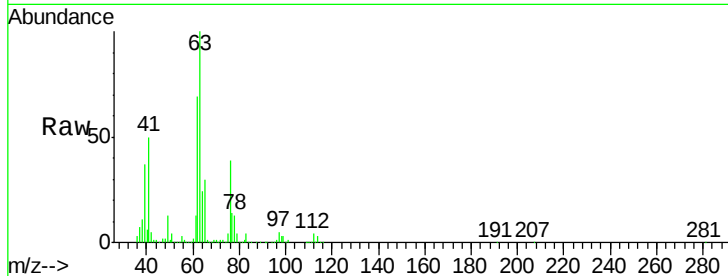




#45
 1,2-Dichloropropane
 Concen: 46.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

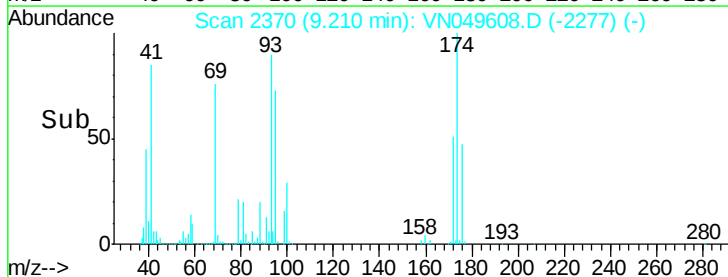
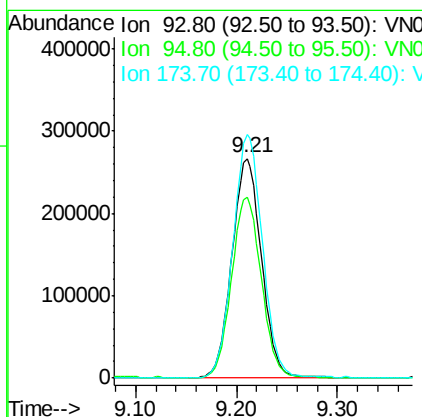
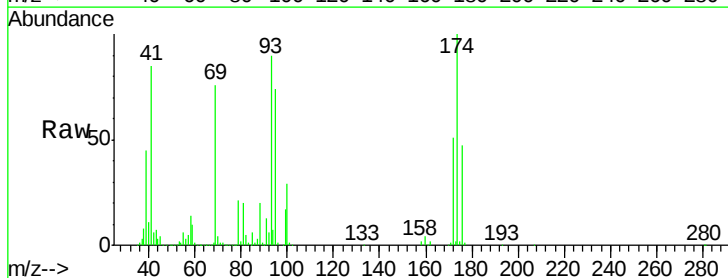
Instrument :
 MSVOA_N
 ClientSampled :

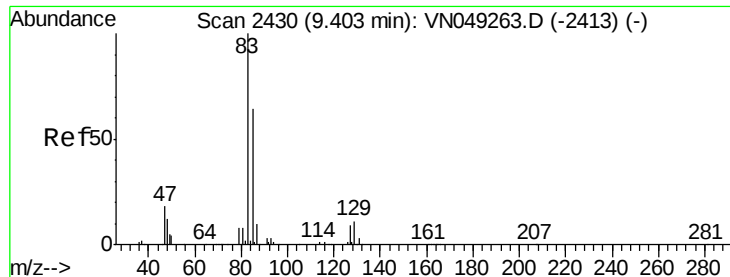
Tot Ion: 63 Resp: 927973
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2



#46
 Dibromomethane
 Concen: 46.97 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 93 Resp: 545918
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 110.7 75.6 113.4





#47

Bromodichloromethane

Concen: 45.92 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

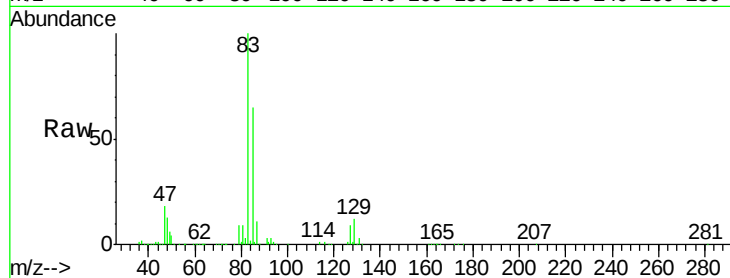
Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 1172935

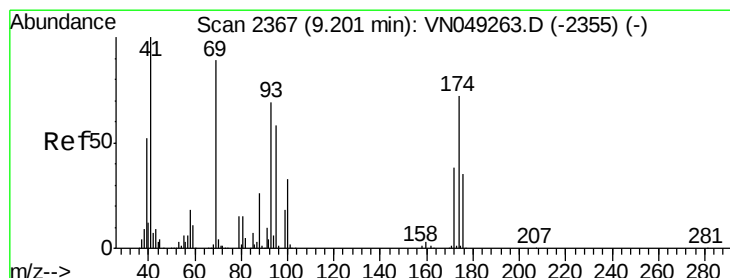
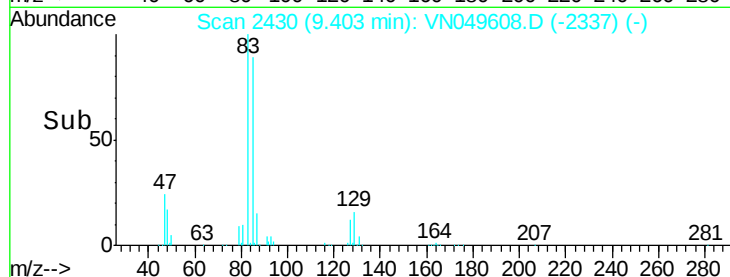
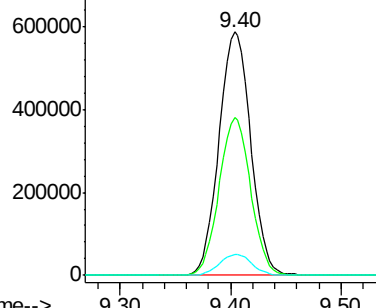
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0
127	8.7	6.3	9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049608.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049608.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049608.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.85 ug/l

RT: 9.20 min Scan# 2367

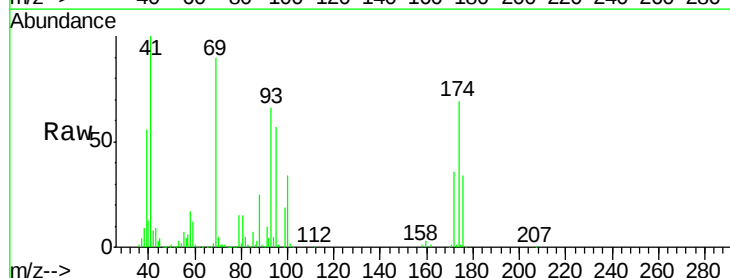
Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 41 Resp: 596680

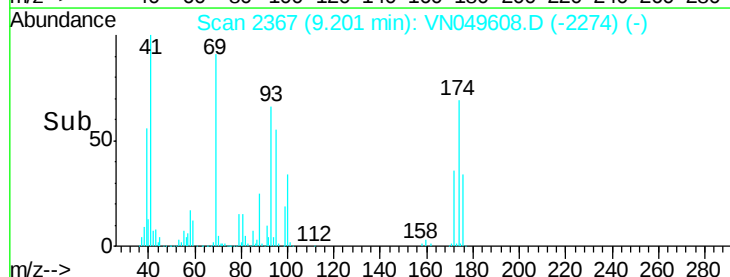
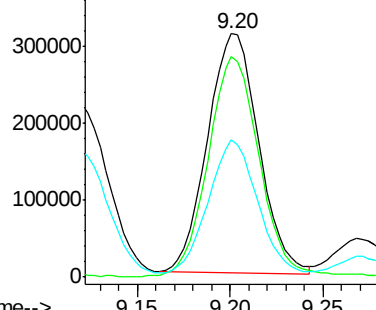
Ion	Ratio	Lower	Upper
41	100		
69	93.1	62.0	93.0#
39	56.2	50.6	75.8

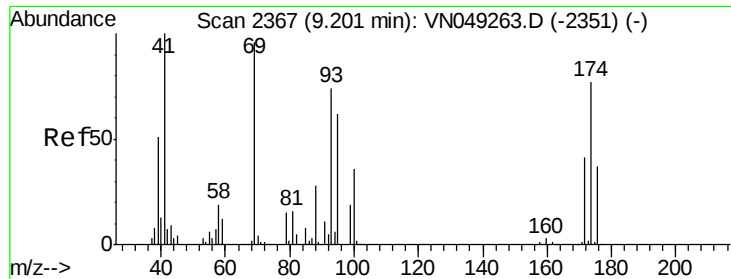


Abundance Ion 41.00 (40.70 to 41.70): VN049608.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049608.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049608.D (-2274) (-)

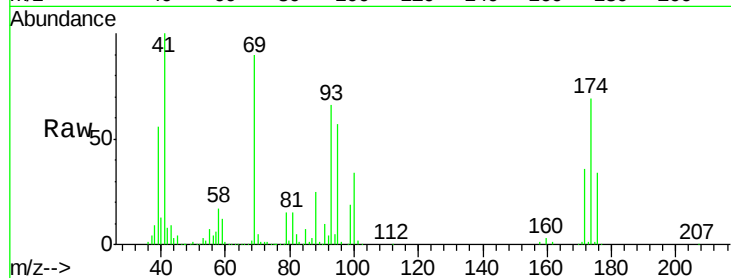




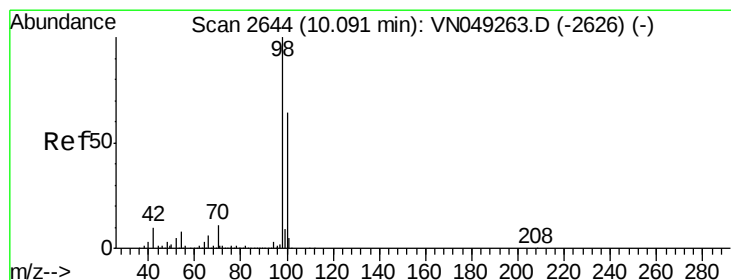
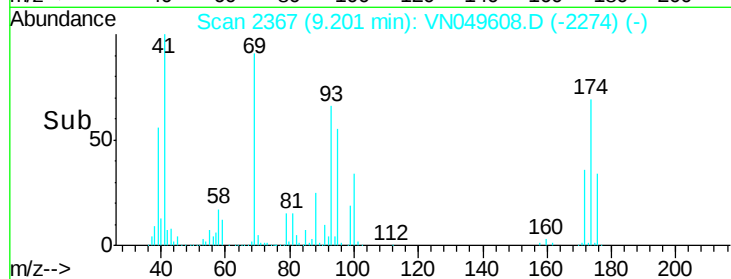
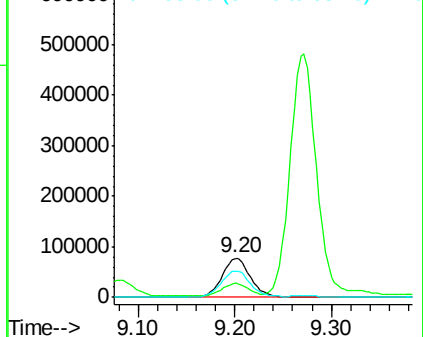
#49
1,4-Dioxane
Concen: 941.10 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 158659
Ion Ratio Lower Upper
88 100
43 30.6 30.9 46.3#
58 69.5 58.9 88.3

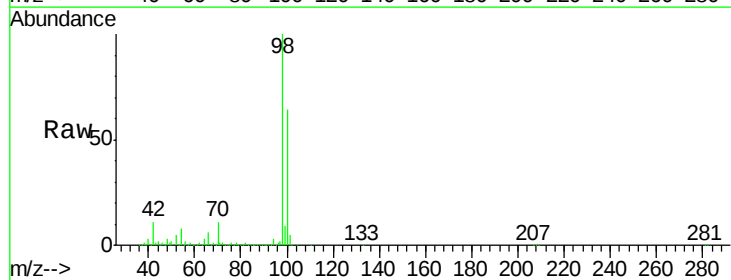


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

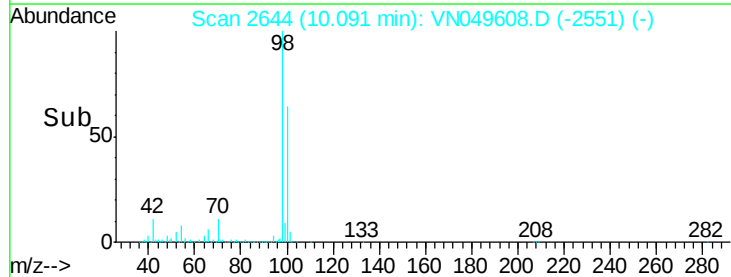
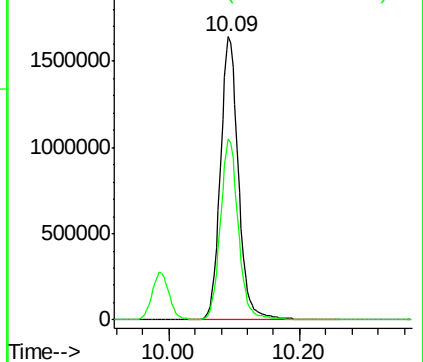


#50
Toluene-d8
Concen: 46.90 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 98 Resp: 3148379
Ion Ratio Lower Upper
98 100
100 64.0 49.8 74.8



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

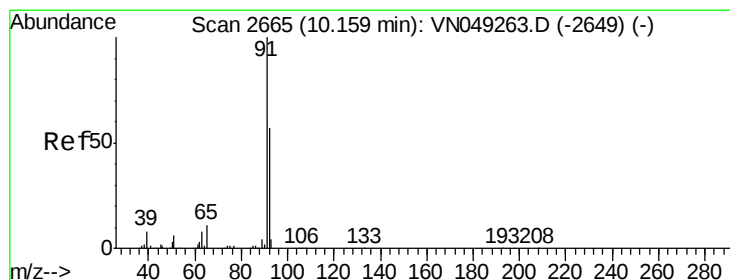
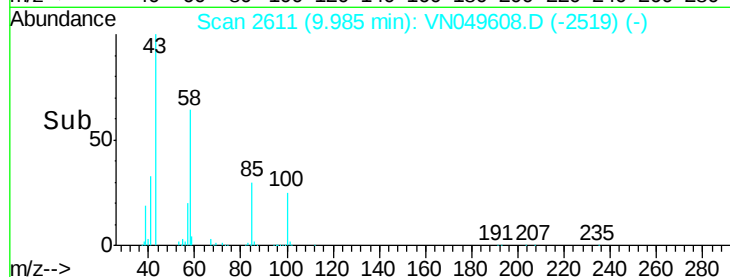
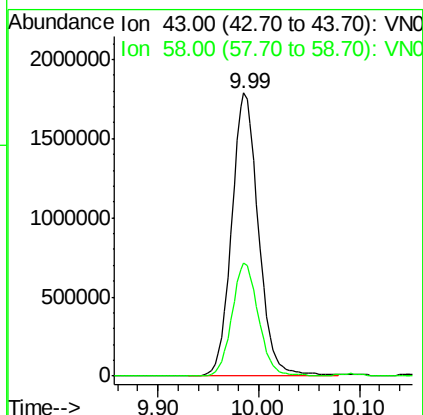
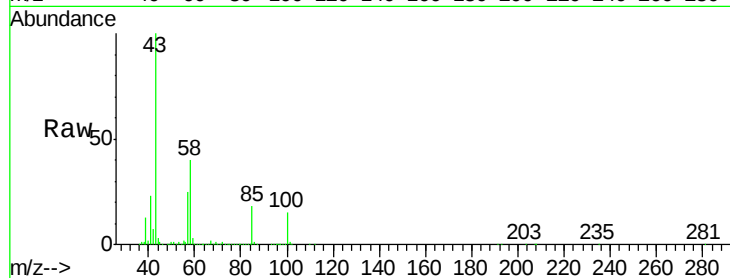




#51
 4-Methyl-2-Pentanone
 Concen: 243.32 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

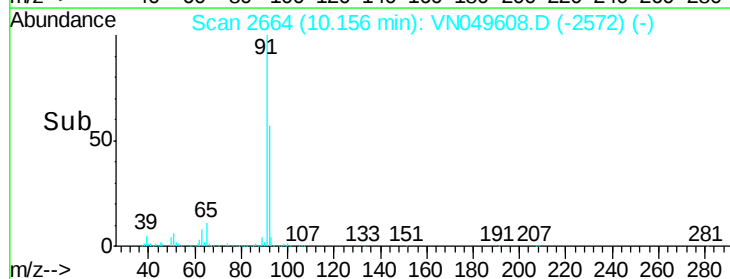
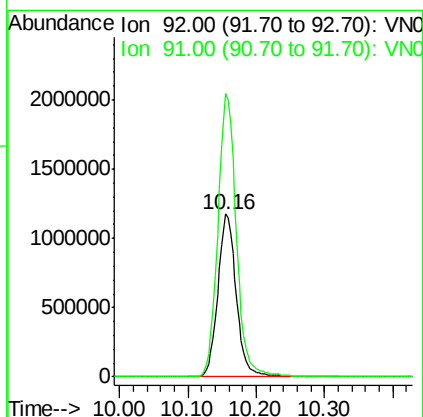
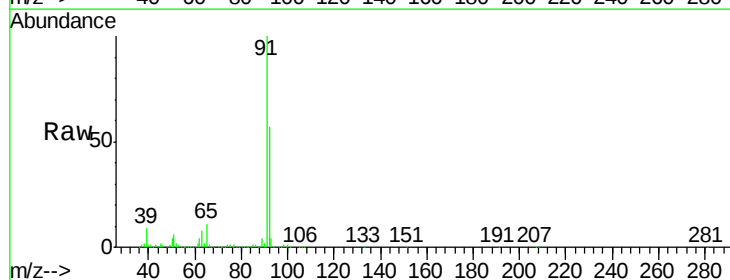
Instrument :
 MSVOA_N
 ClientSampleId :

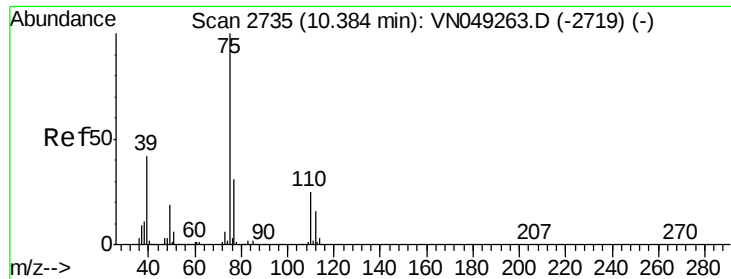
Tot Ion: 43 Resp: 3307920
 Ion Ratio Lower Upper
 43 100
 58 39.7 29.0 43.6



#52
 Toluene
 Concen: 49.06 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 92 Resp: 2204622
 Ion Ratio Lower Upper
 92 100
 91 174.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 45.84 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

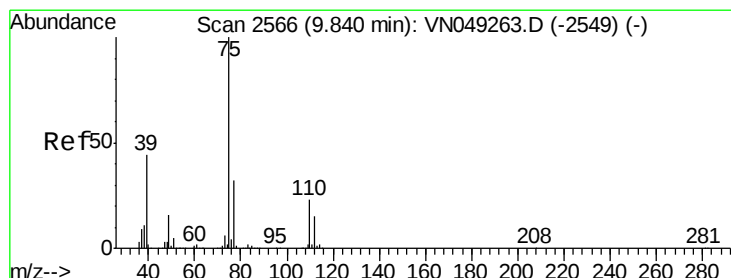
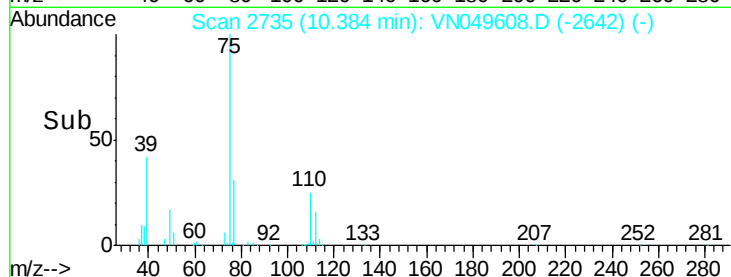
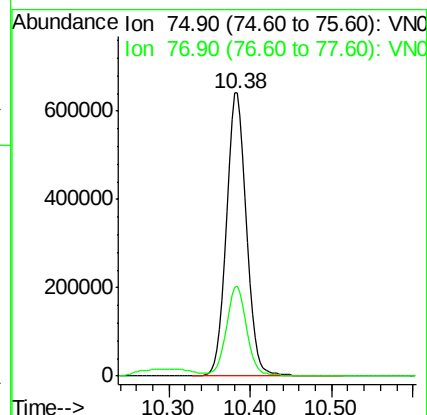
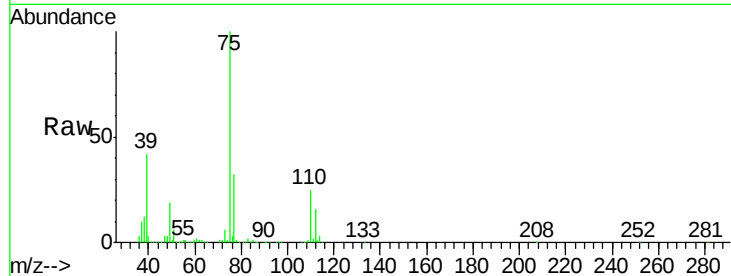
ClientSampleId :

Tot Ion: 75 Resp: 1120124

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 45.88 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

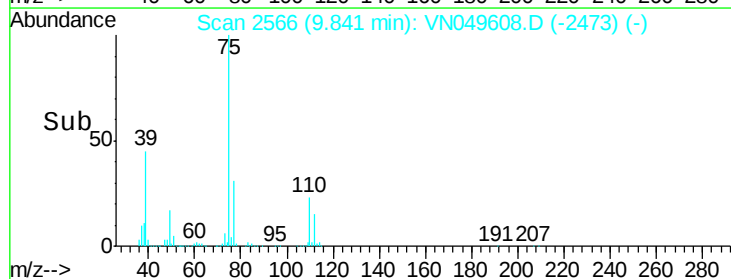
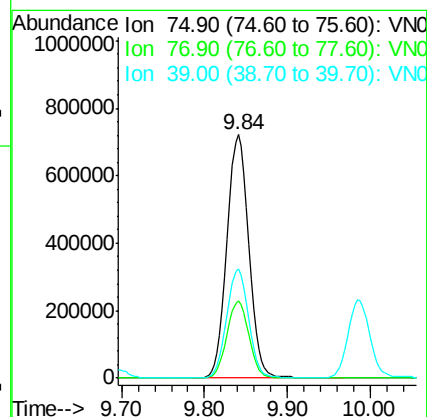
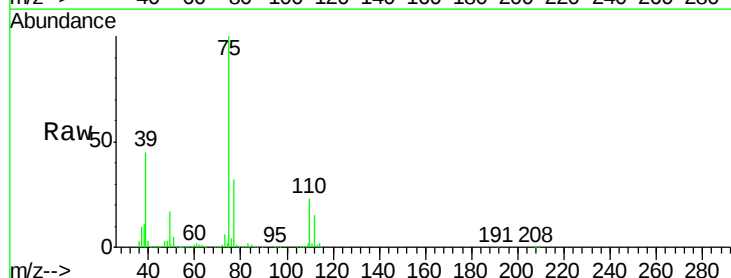
Tgt Ion: 75 Resp: 1323720

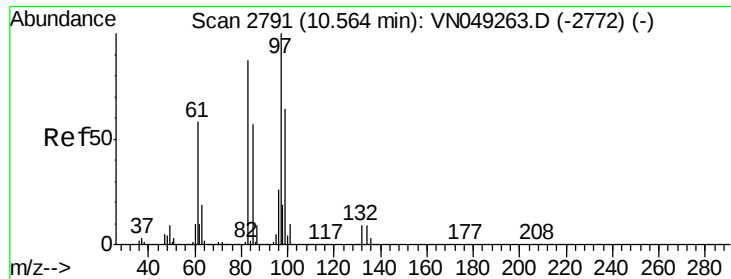
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 44.7 45.1 67.7#

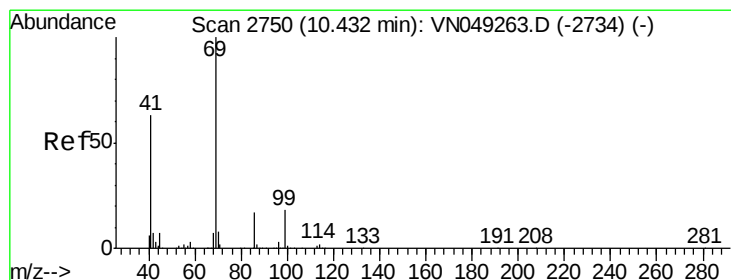
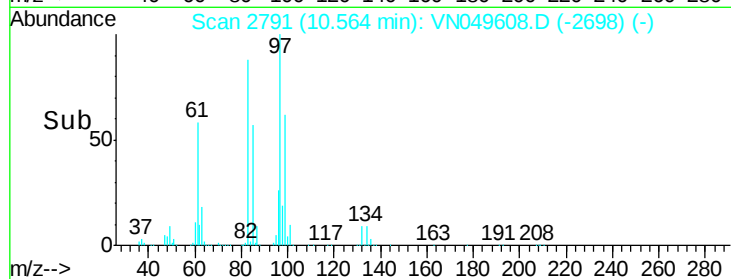
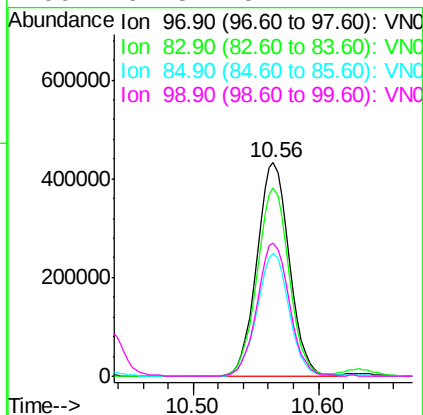
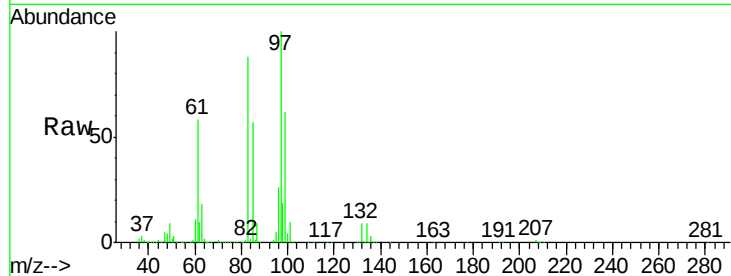




#55
 1,1,2-Trichloroethane
 Concen: 46.48 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

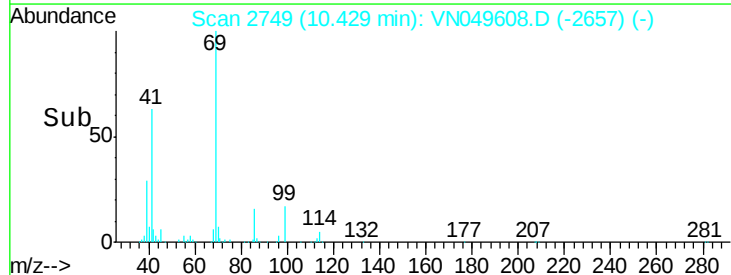
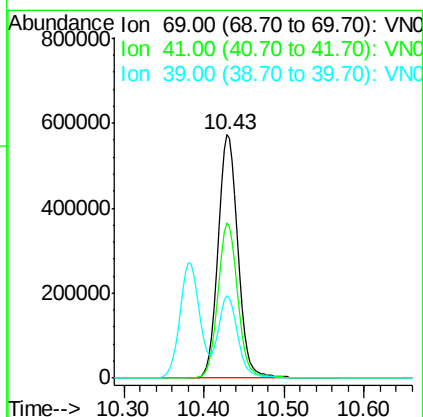
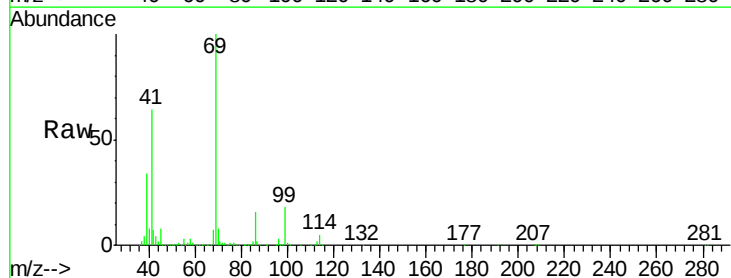
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	778603
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.5	107.3
85	57.3	47.0	70.4
99	62.3	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 51.31 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion:	69	Resp:	991656
Ion	Ratio	Lower	Upper
69	100		
41	62.7	58.4	87.6
39	33.5	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 47.01 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

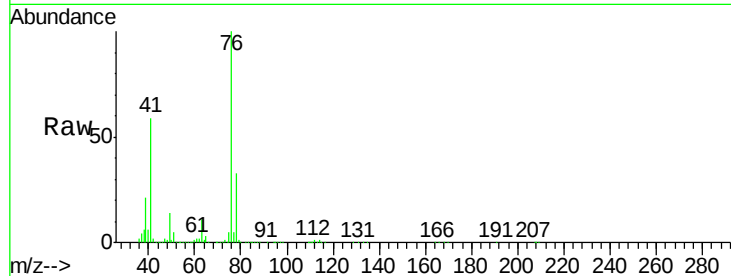
ClientSampleId :

Tot Ion: 76 Resp: 1304605

Ion Ratio Lower Upper

76 100

78 32.4 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN049263.D (-2820) (-)

Ion 77.90 (77.60 to 78.60): VN049263.D (-2820) (-)

10.71

800000

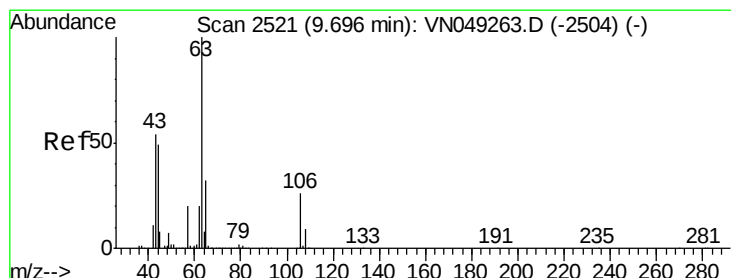
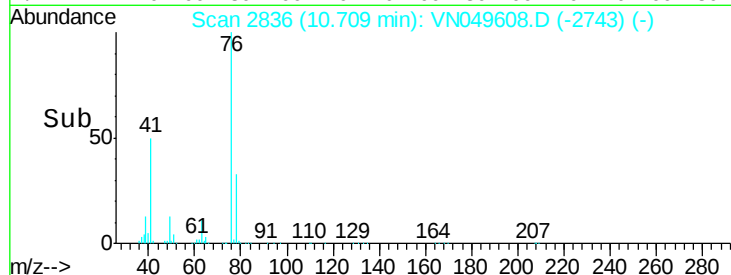
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 329.56 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049608.D

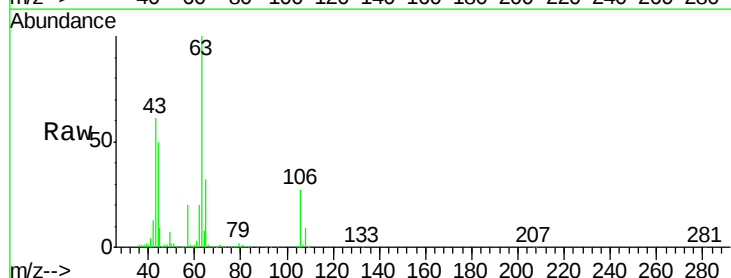
Acq: 28 Jun 2018 23:34

Tgt Ion: 63 Resp: 2310332

Ion Ratio Lower Upper

63 100

106 27.1 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-2504) (-)

Ion 105.90 (105.60 to 106.60): VN049263.D (-2504) (-)

9.70

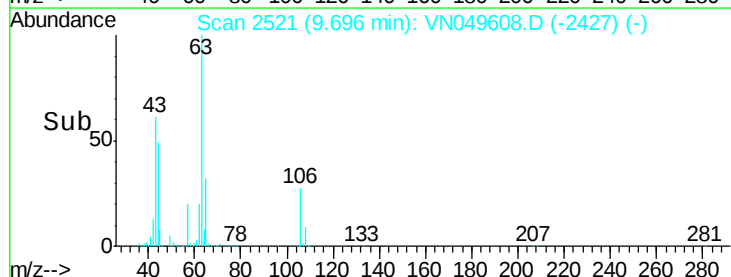
1500000

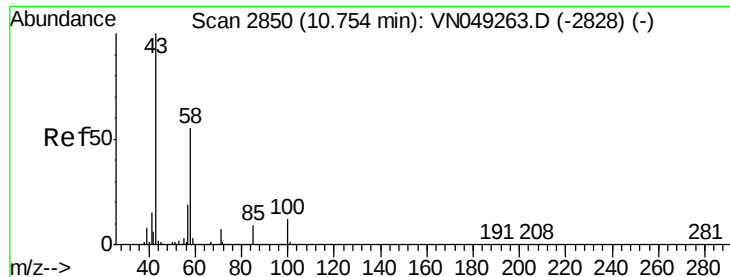
1000000

500000

0

Time-->

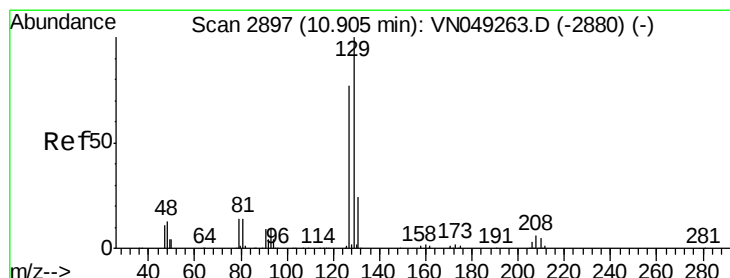
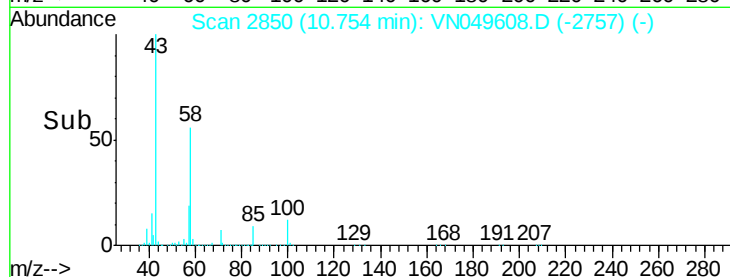
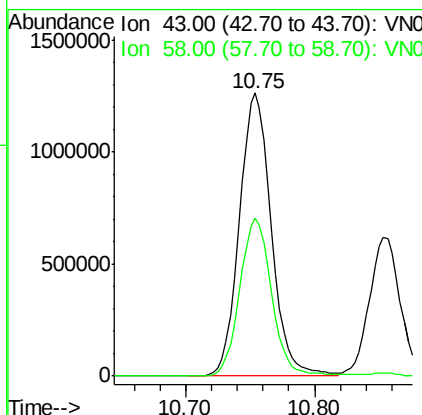
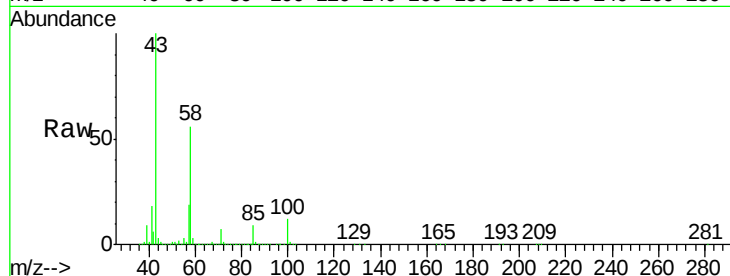




#59
2-Hexanone
Concen: 247.73 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

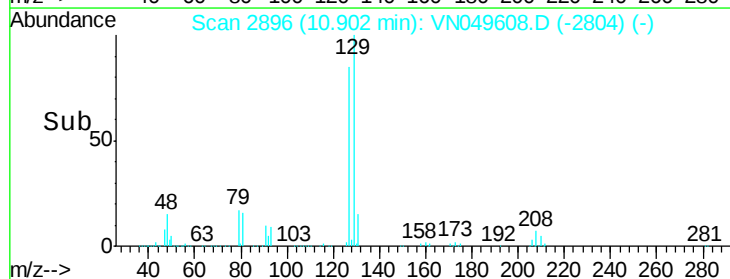
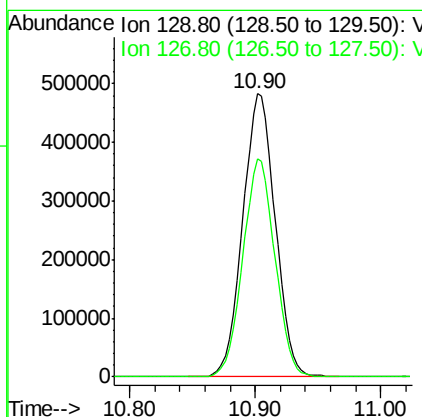
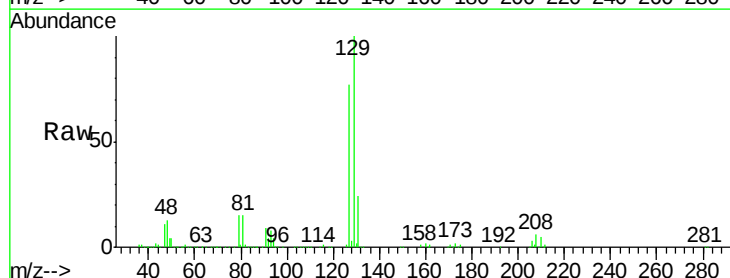
Instrument :
MSVOA_N
ClientSampled :

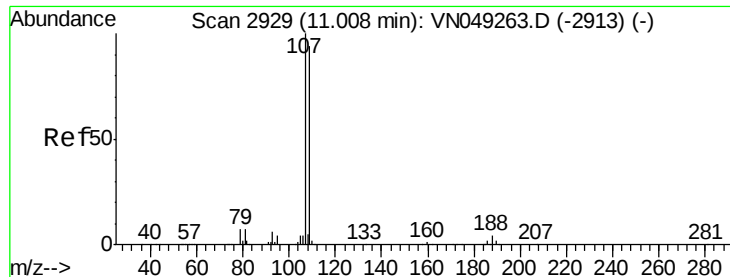
Tot Ion: 43 Resp: 2171239
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6



#60
Dibromochloromethane
Concen: 46.55 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 129 Resp: 870350
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2

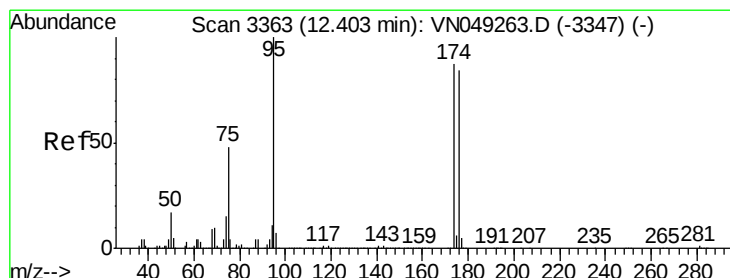
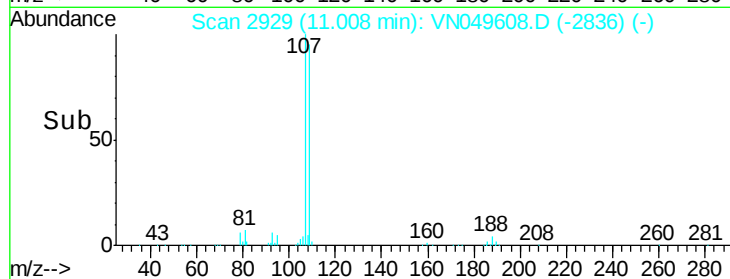
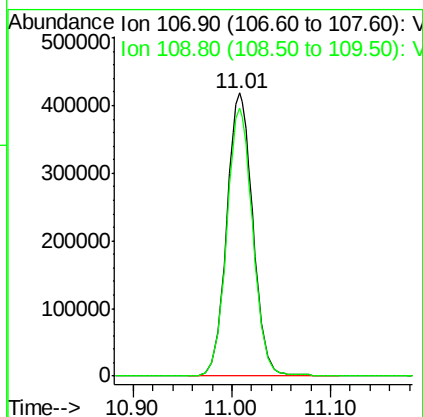
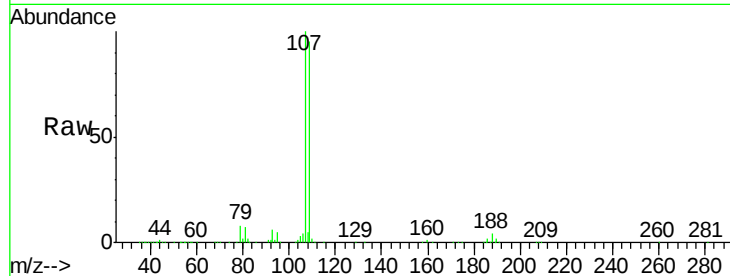




#61
 1,2-Dibromoethane
 Concen: 49.20 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

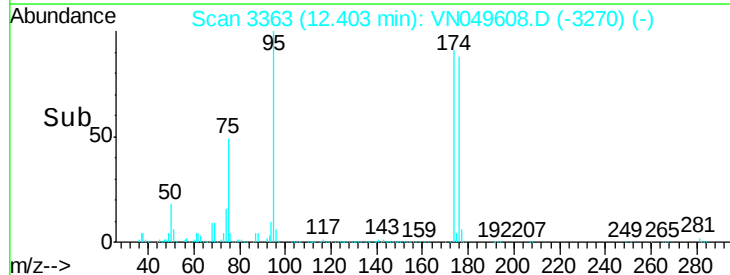
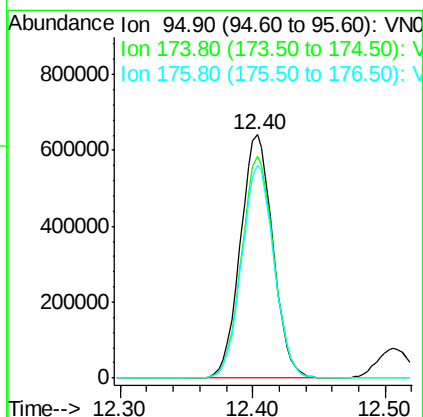
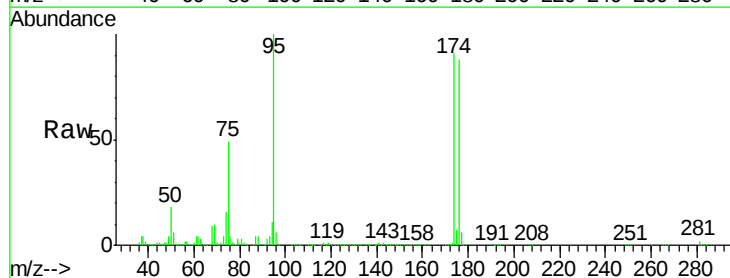
Instrument :
 MSVOA_N
 ClientSampled :

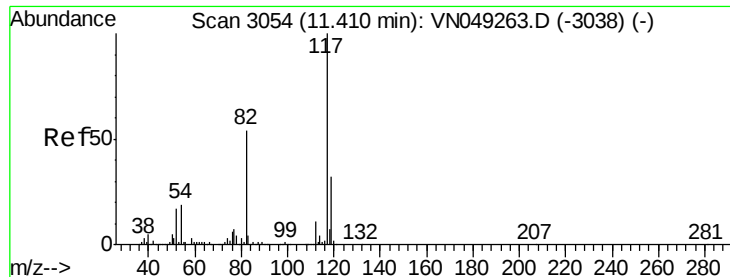
Tot Ion:107 Resp: 766034
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.01 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 95 Resp: 1087793
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 165.6
 176 87.6 0.0 157.4

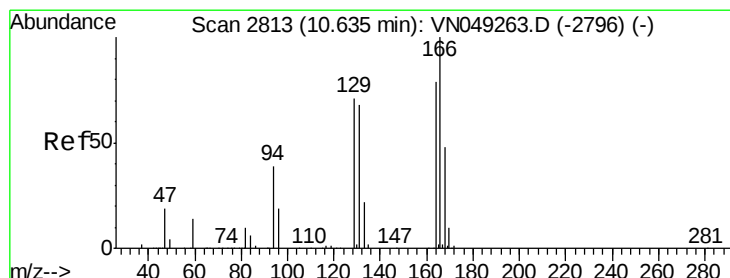
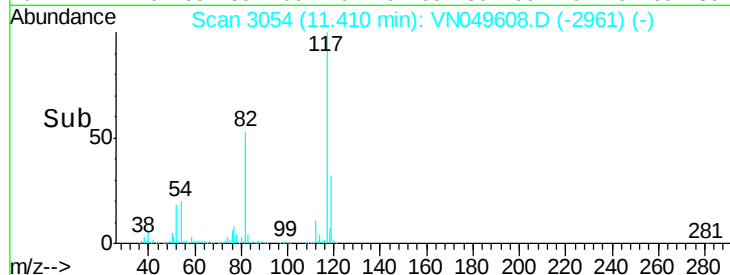
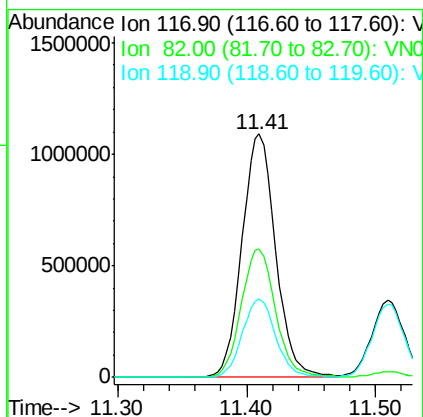
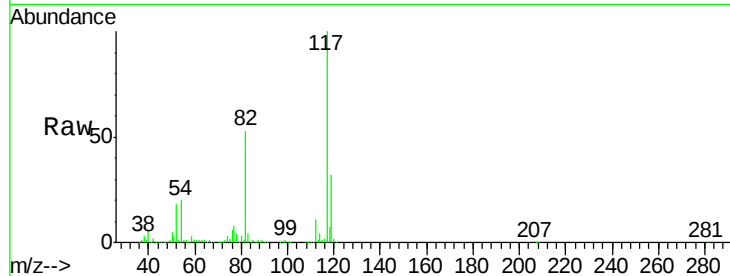




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

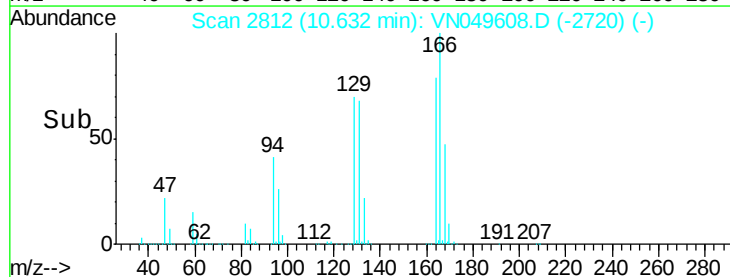
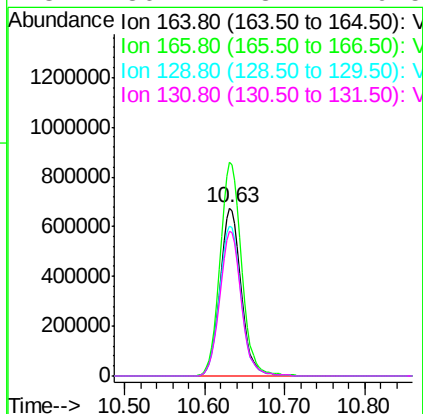
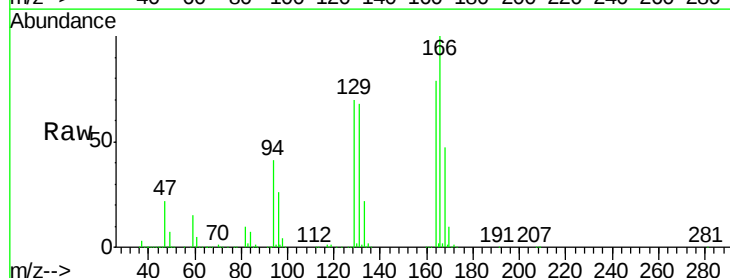
Instrument :
MSVOA_N
ClientSampled :

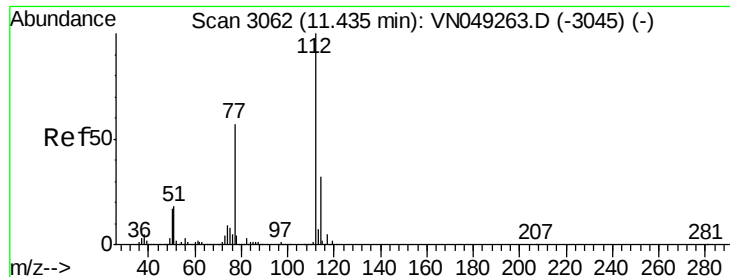
Tot Ion:117 Resp: 1982896
Ion Ratio Lower Upper
117 100
82 52.7 45.9 68.9
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 60.78 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion:164 Resp: 1234871
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.2
129 89.3 74.1 111.1
131 86.4 73.7 110.5

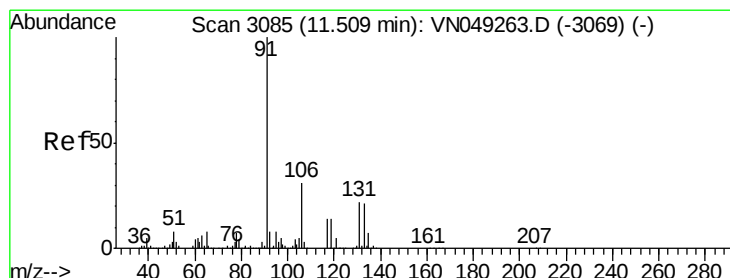
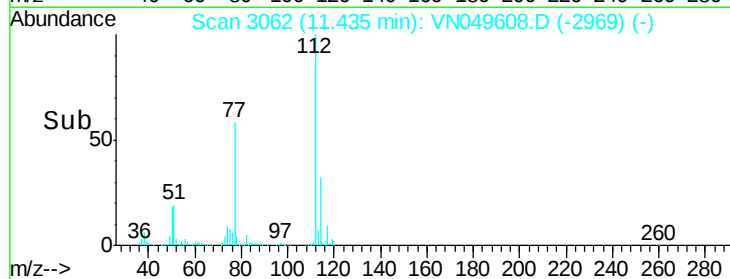
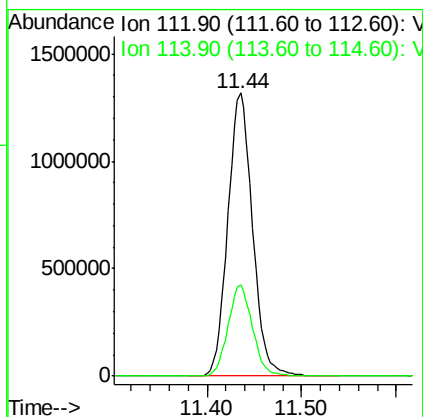
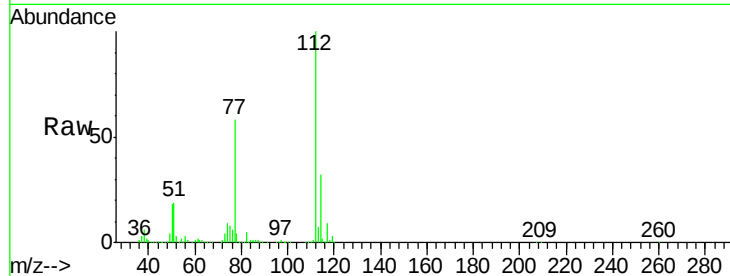




#65
Chlorobenzene
Concen: 46.77 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

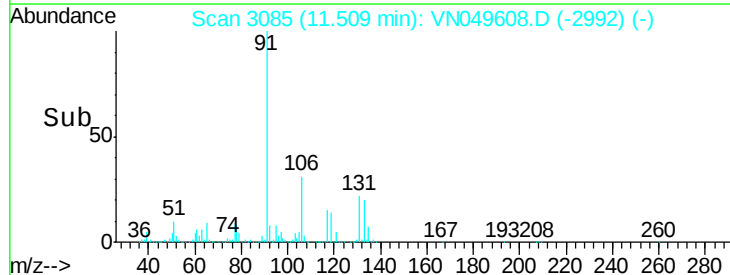
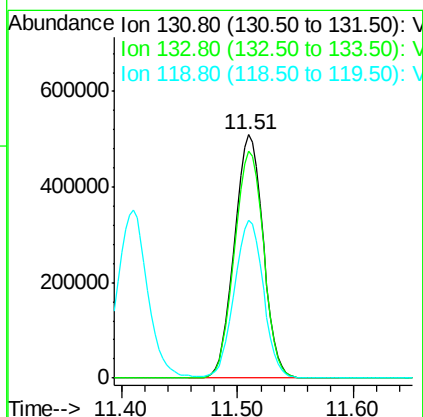
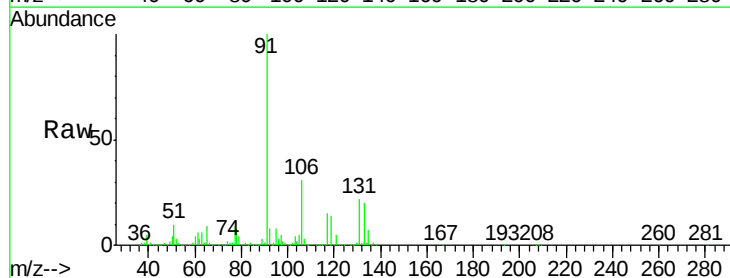
Instrument :
MSVOA_N
ClientSampled :

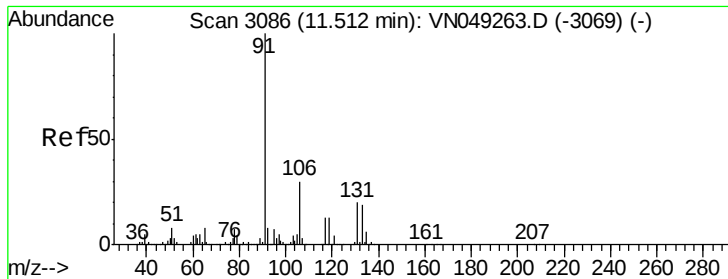
Tot Ion:112 Resp: 2389221
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 45.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion:131 Resp: 875113
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 65.5 33.6 100.8

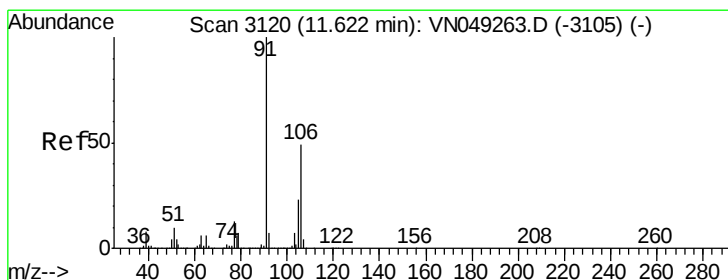
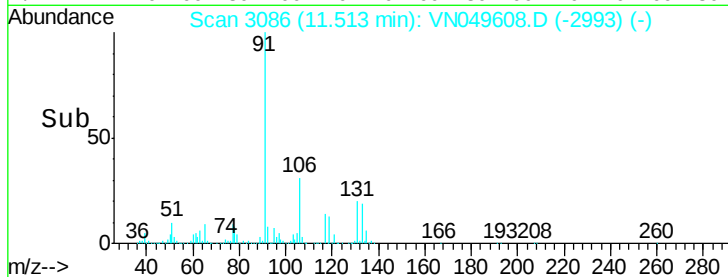
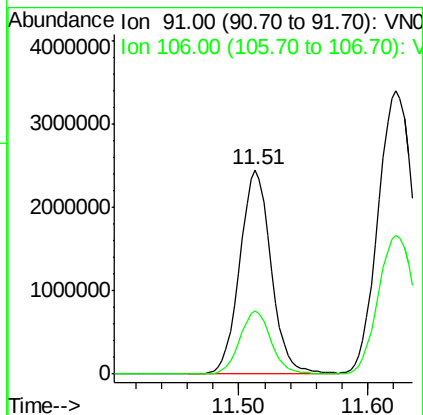
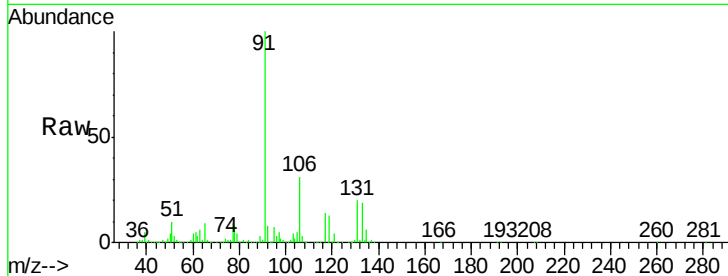




#67
Ethyl Benzene
Concen: 48.99 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

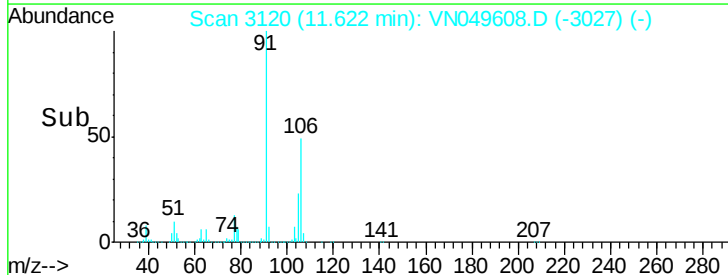
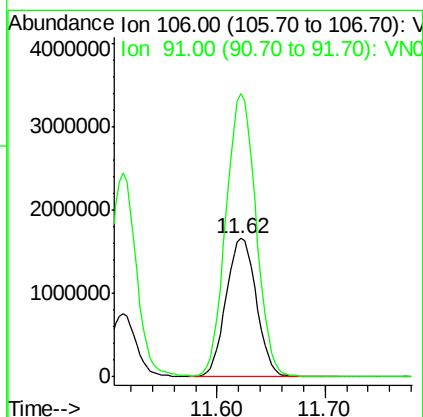
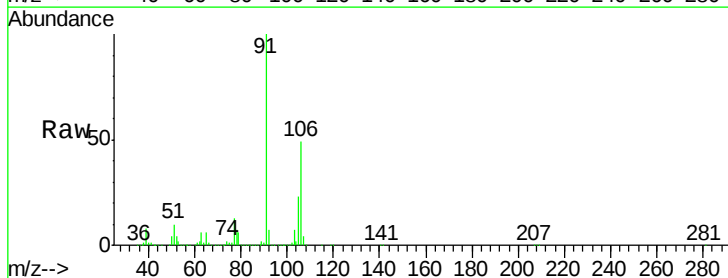
Instrument :
MSVOA_N
ClientSampled :

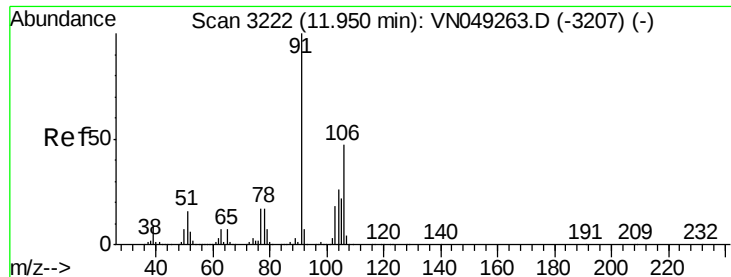
Tot Ion: 91 Resp: 4151175
Ion Ratio Lower Upper
91 100
106 31.2 23.9 35.9



#68
m/p-Xylenes
Concen: 102.60 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 106 Resp: 3262406
Ion Ratio Lower Upper
106 100
91 203.0 167.3 250.9





#69

o-Xylene

Concen: 51.31 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

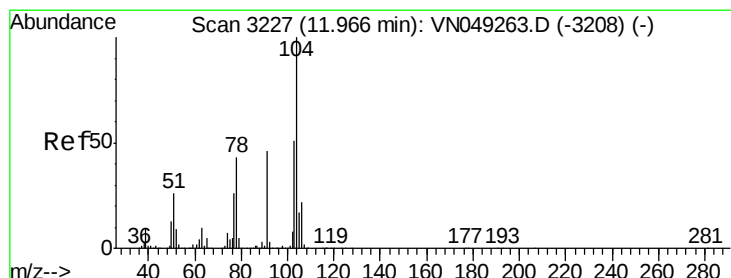
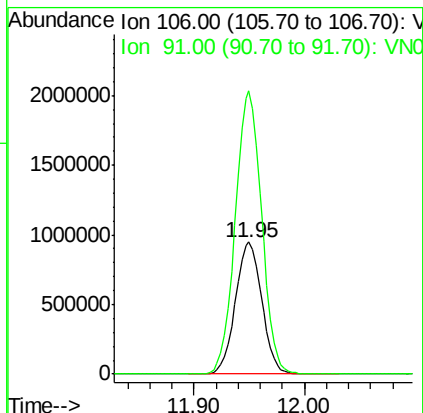
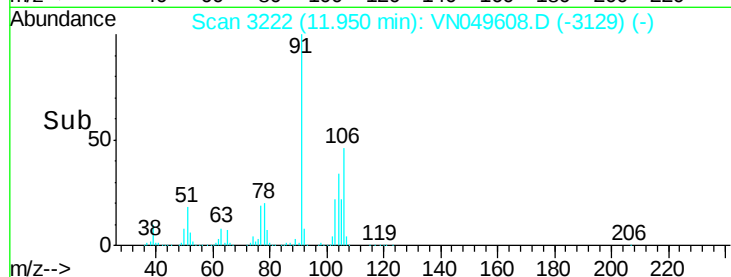
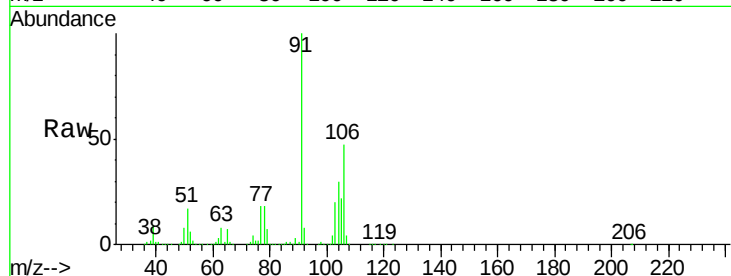
ClientSampled :

Tot Ion:106 Resp: 1571471

Ion Ratio Lower Upper

106 100

91 213.7 111.0 333.0



#70

Styrene

Concen: 53.70 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

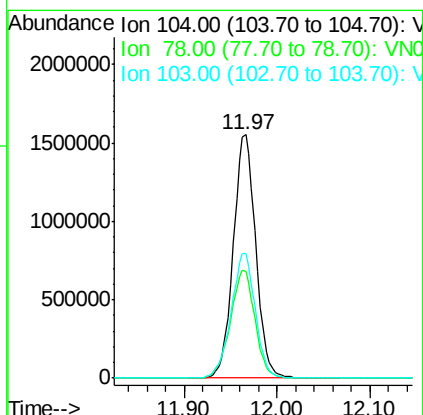
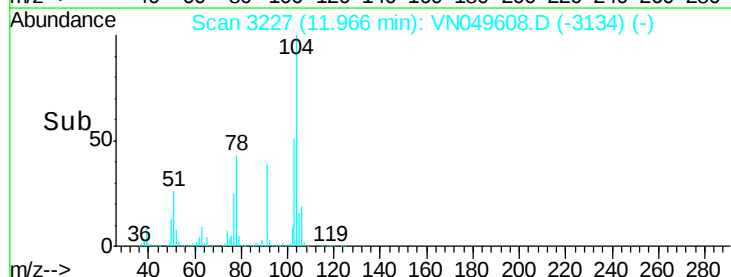
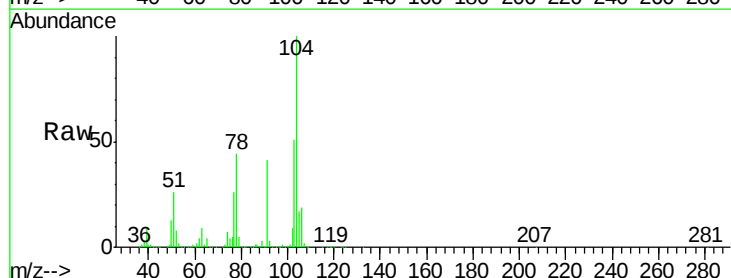
Tgt Ion:104 Resp: 2594576

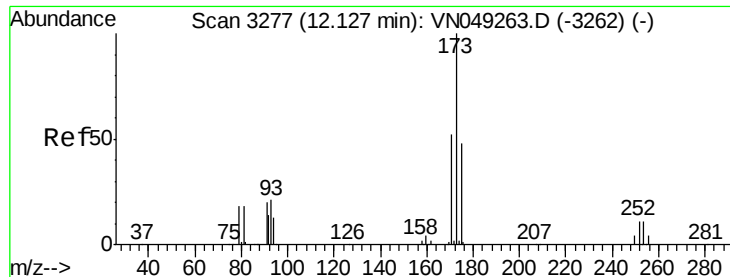
Ion Ratio Lower Upper

104 100

78 48.8 41.6 62.4

103 55.3 45.4 68.2





#71

Bromoform

Concen: 46.52 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

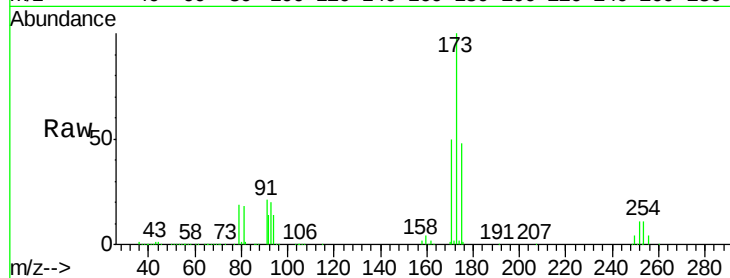
Tot Ion:173 Resp: 578873

Ion Ratio Lower Upper

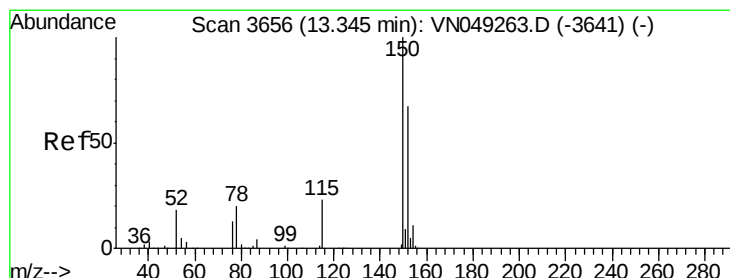
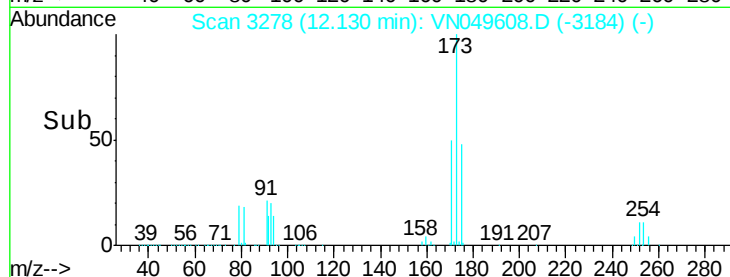
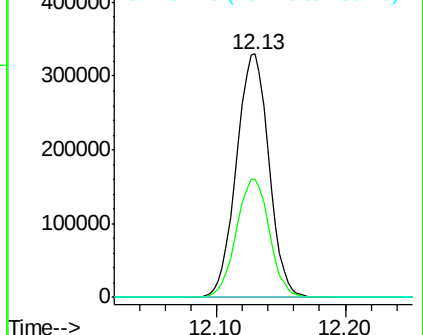
173 100

175 49.3 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: VN049608.D

Acq: 28 Jun 2018 23:34

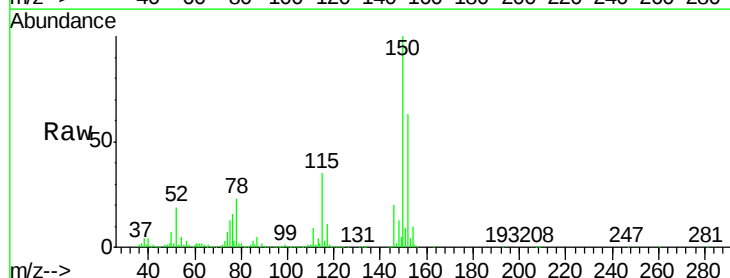
Tgt Ion:152 Resp: 1099271

Ion Ratio Lower Upper

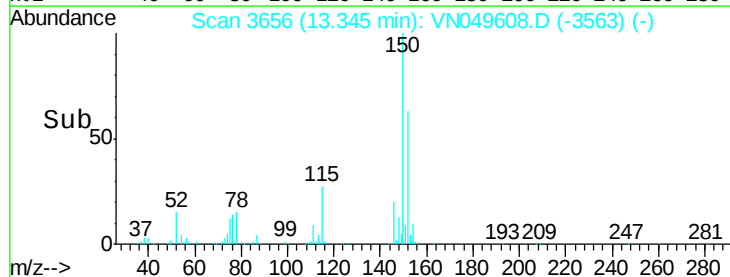
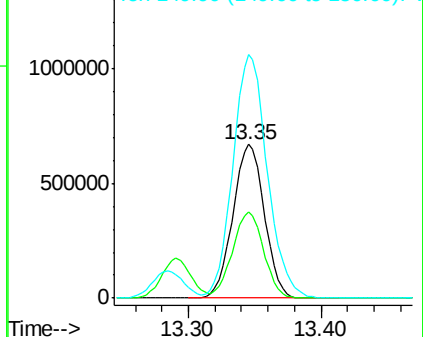
152 100

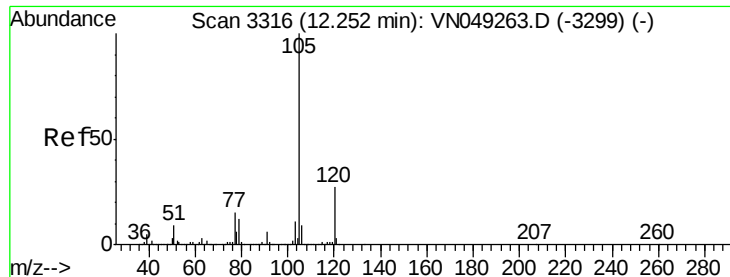
115 55.4 28.7 86.1

150 173.8 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: 42.52 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

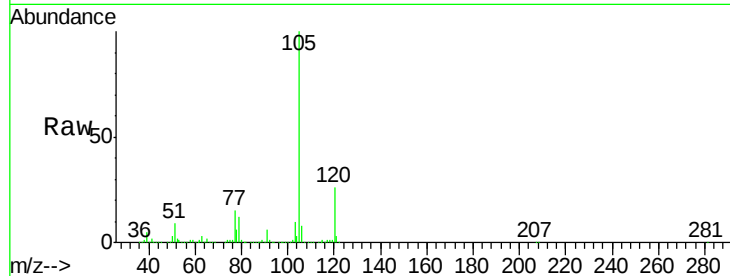
ClientSampled :

Tot Ion:105 Resp: 4104418

Ion Ratio Lower Upper

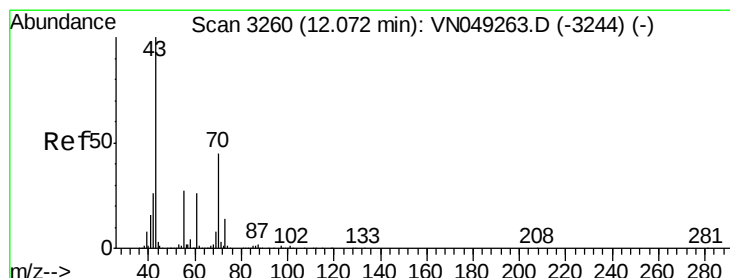
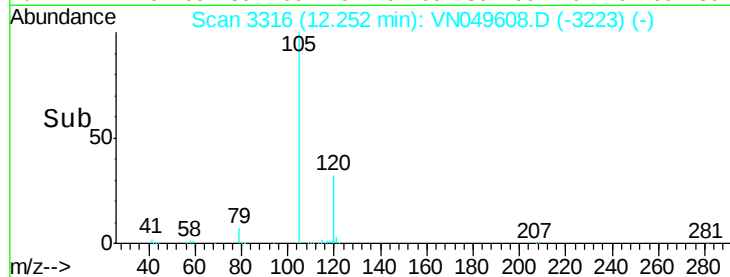
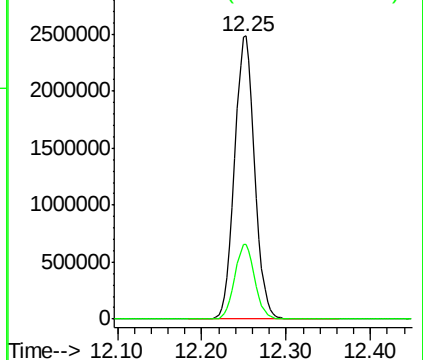
105 100

120 26.4 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: 47.48 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 1122494

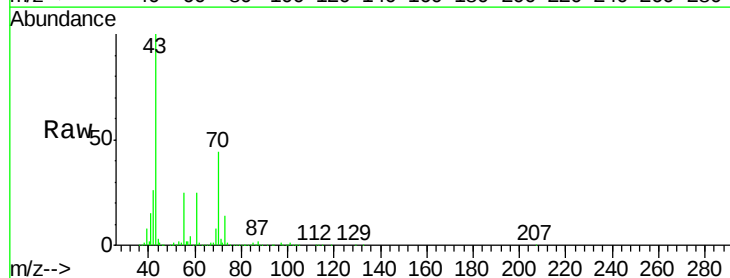
Ion Ratio Lower Upper

43 100

70 43.2 30.3 45.5

55 25.6 19.4 29.2

61 24.8 17.8 26.6

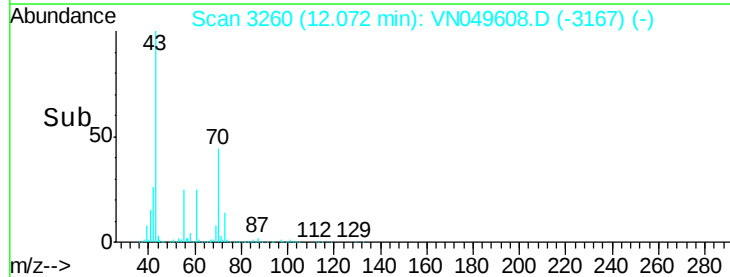
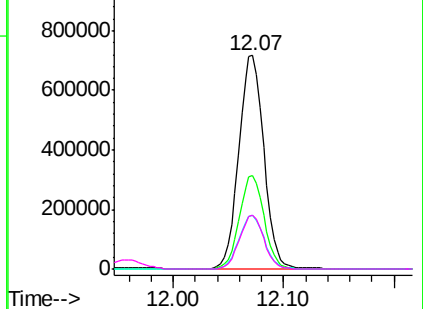


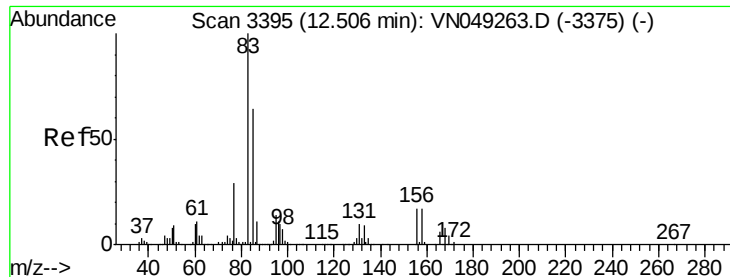
Abundance Ion 43.00 (42.70 to 43.70): V

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: 43.71 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

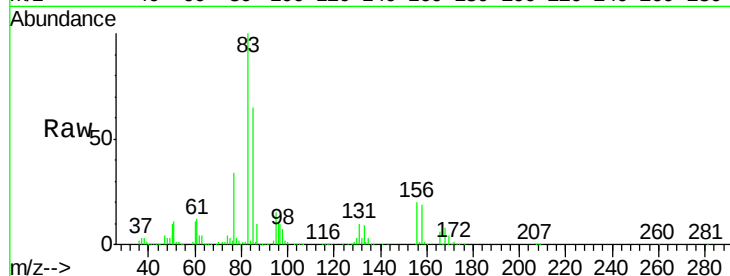
Tot Ion: 83 Resp: 873482

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

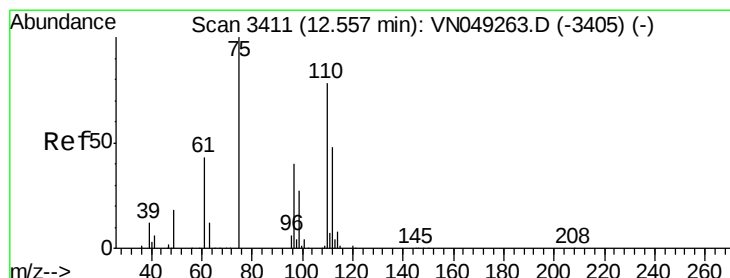
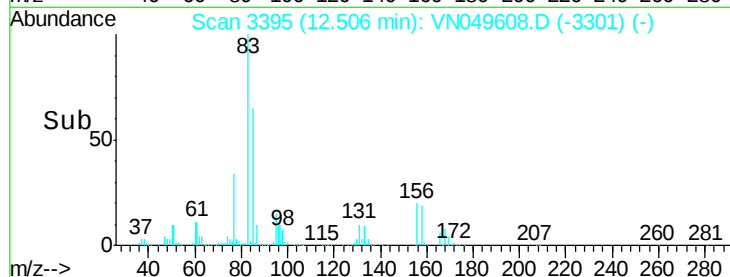
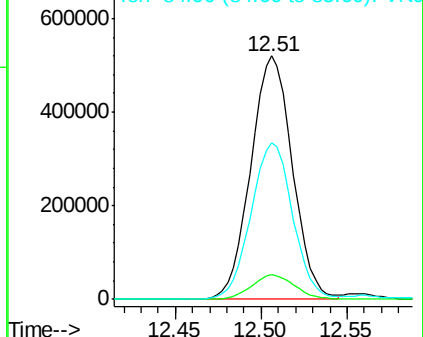
85 64.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 60.60 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049608.D

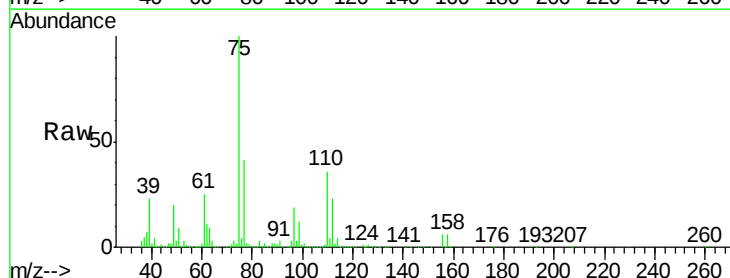
Acq: 28 Jun 2018 23:34

Tgt Ion: 75 Resp: 1136723

Ion Ratio Lower Upper

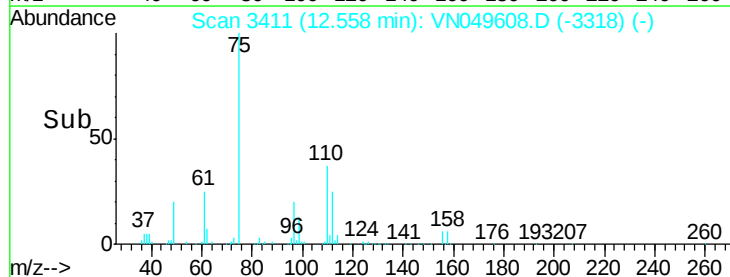
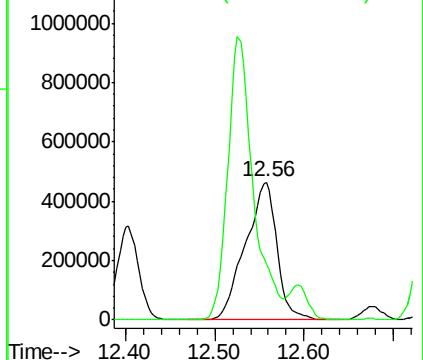
75 100

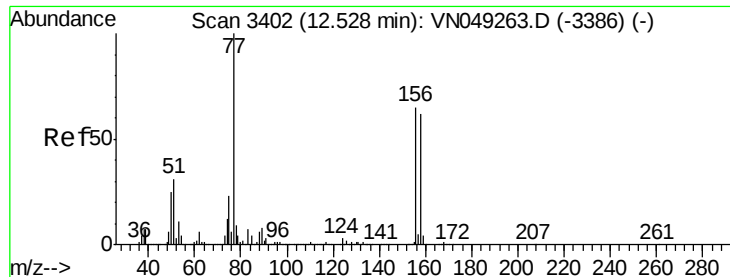
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 41.54 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampled :

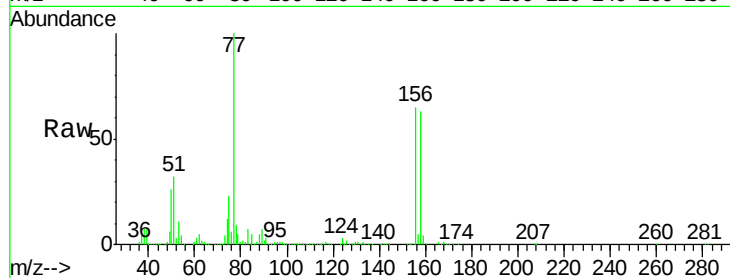
Tot Ion:156 Resp: 1059013

Ion Ratio Lower Upper

156 100

77 178.6 100.8 302.4

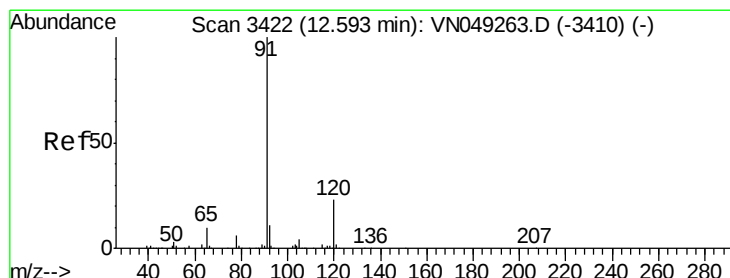
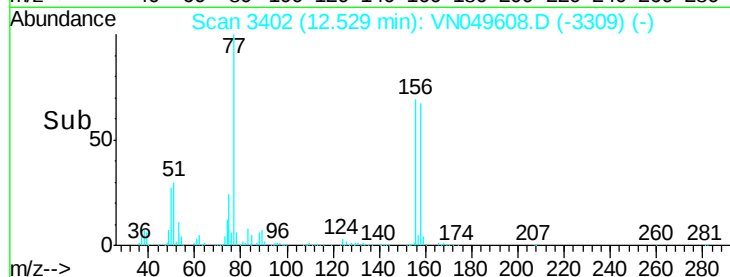
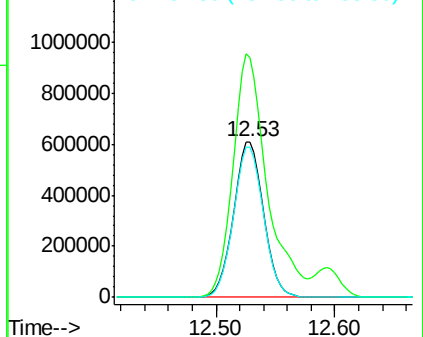
158 97.1 49.3 147.9



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: 45.58 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049608.D

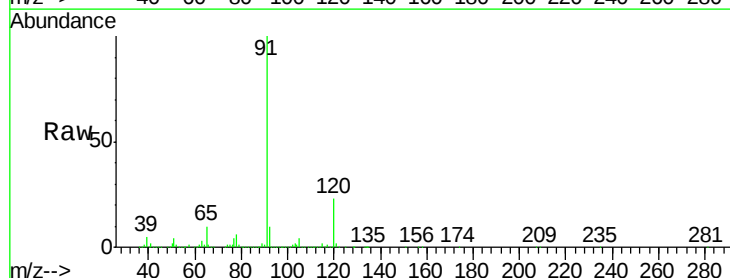
Acq: 28 Jun 2018 23:34

Tgt Ion: 91 Resp: 4830080

Ion Ratio Lower Upper

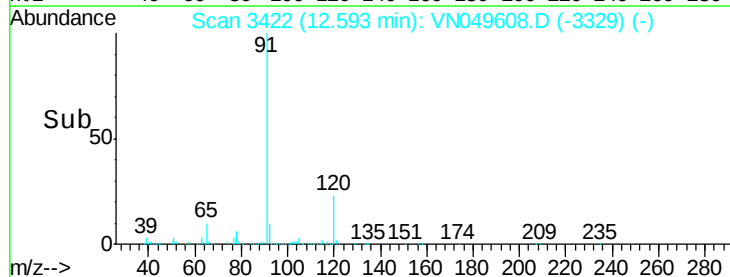
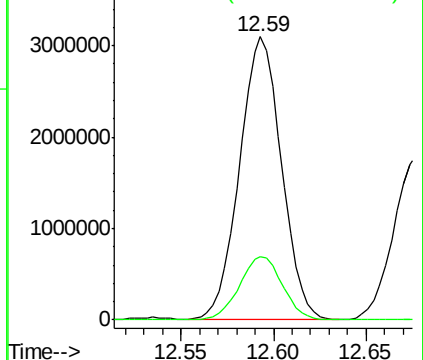
91 100

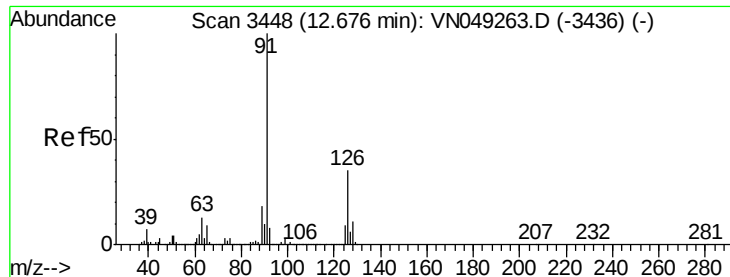
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.94 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

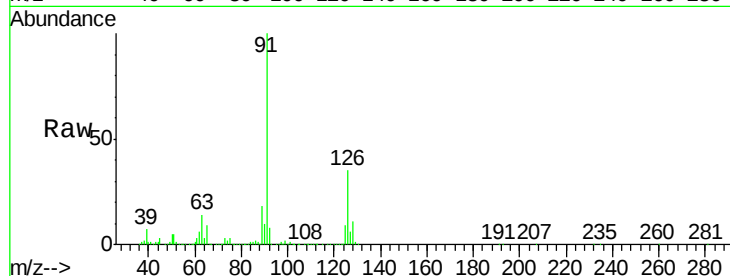
ClientSampled :

Tot Ion: 91 Resp: 2883523

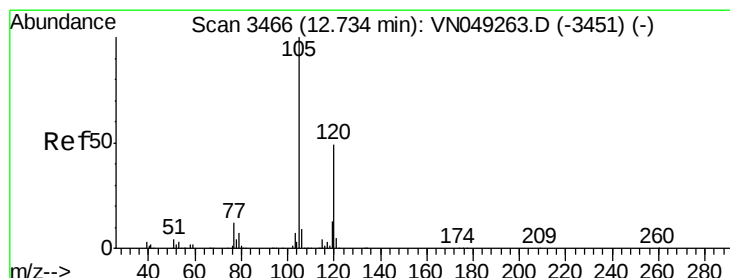
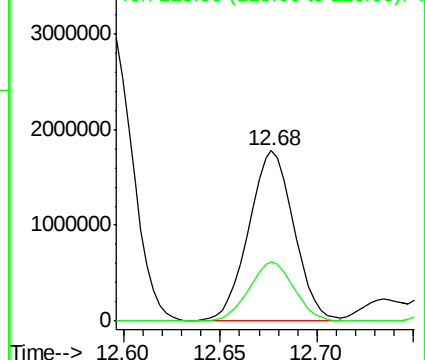
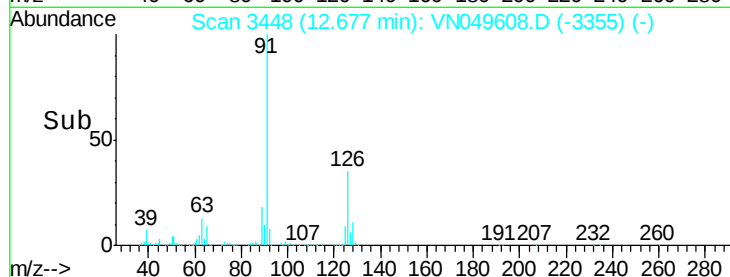
Ion Ratio Lower Upper

91 100

126 34.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049608.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.70 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049608.D

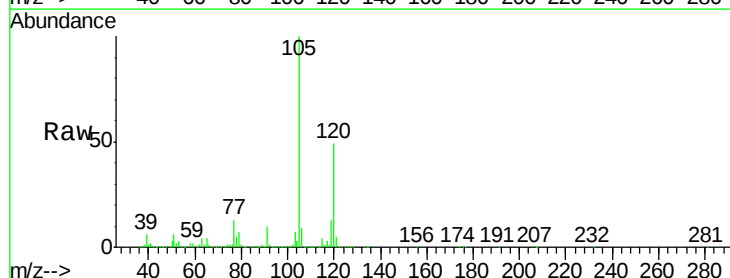
Acq: 28 Jun 2018 23:34

Tgt Ion:105 Resp: 3542732

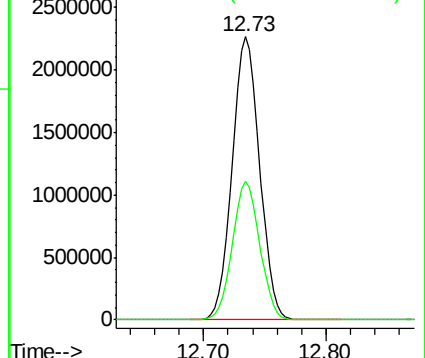
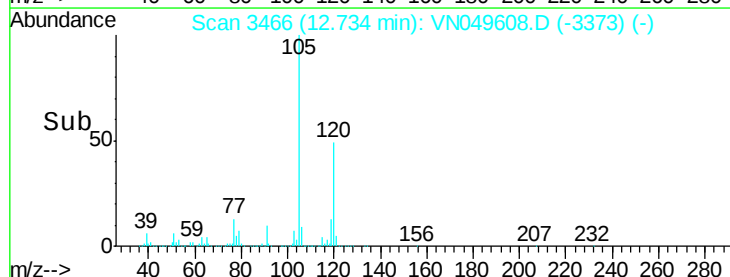
Ion Ratio Lower Upper

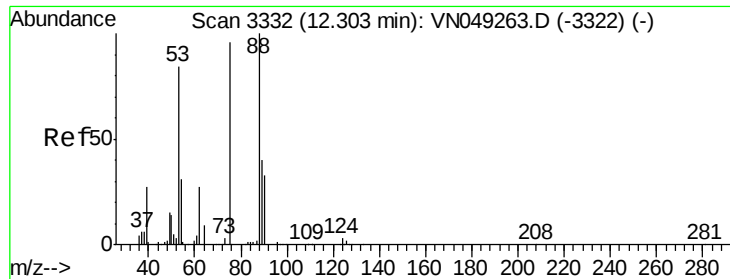
105 100

120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049608.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 37.72 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampled :

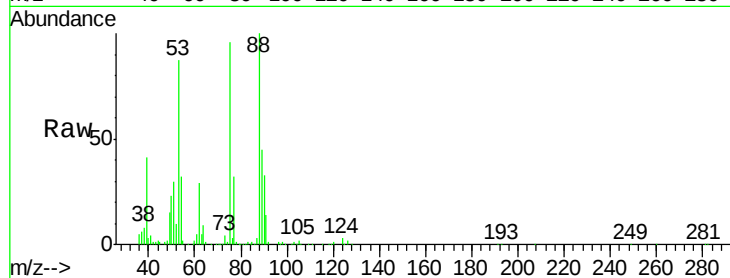
Tot Ion: 75 Resp: 223833

Ion Ratio Lower Upper

75 100

53 93.2 82.7 124.1

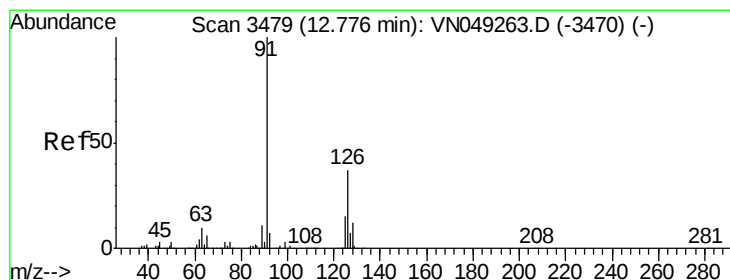
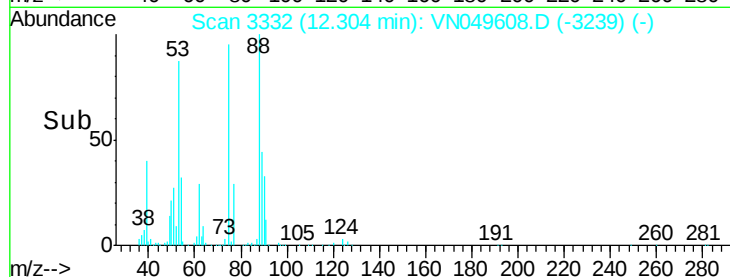
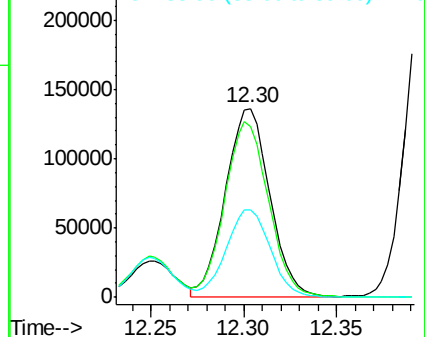
89 46.7 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 45.13 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049608.D

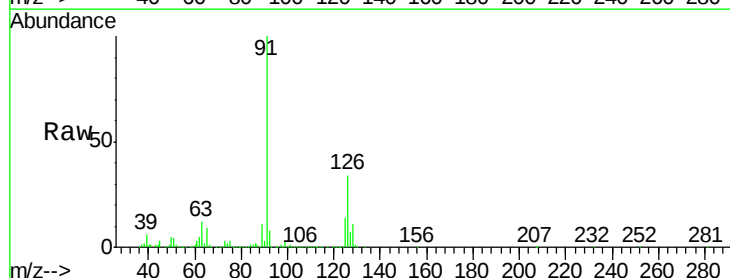
Acq: 28 Jun 2018 23:34

Tgt Ion: 91 Resp: 2923285

Ion Ratio Lower Upper

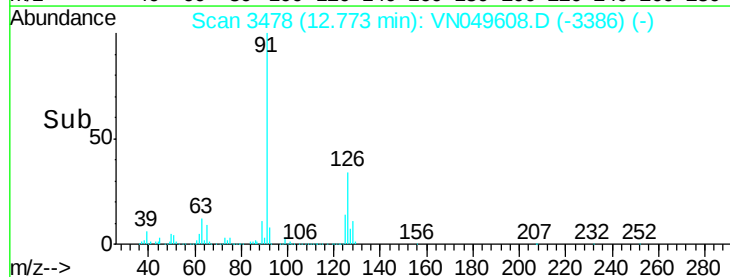
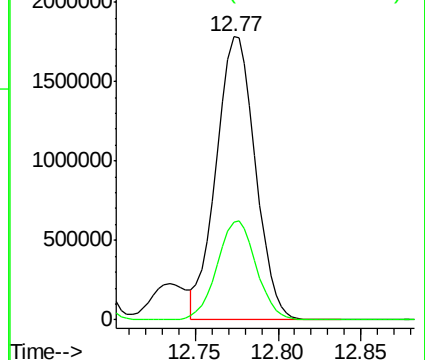
91 100

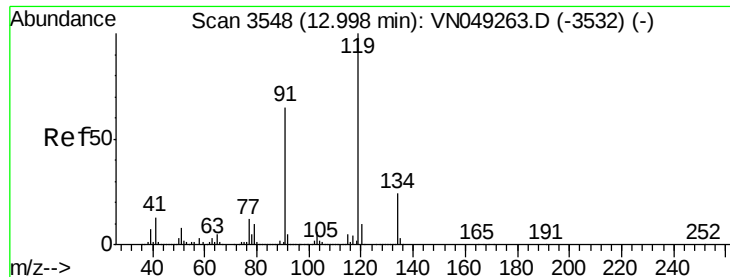
126 34.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 43.45 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

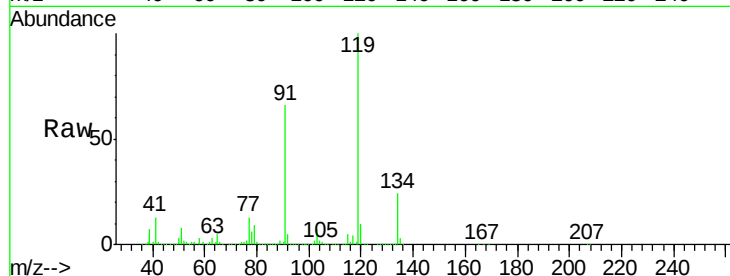
Tot Ion:119 Resp: 2920116

Ion Ratio Lower Upper

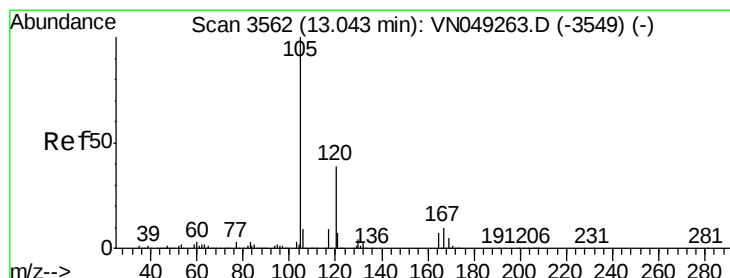
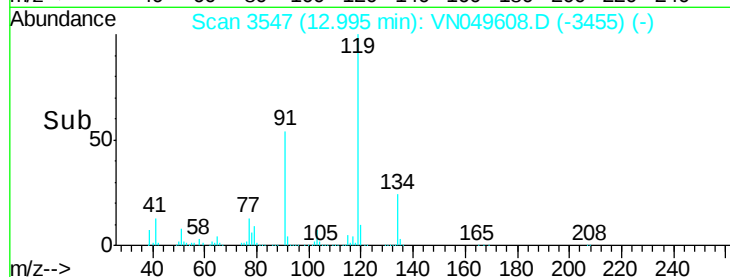
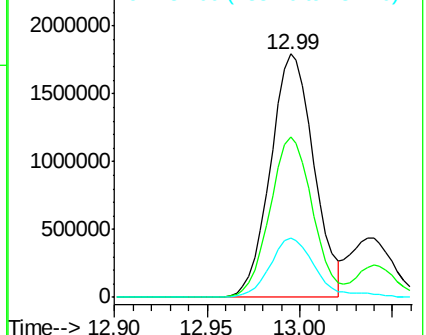
119 100

91 65.1 33.7 101.0

134 25.7 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: 48.65 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049608.D

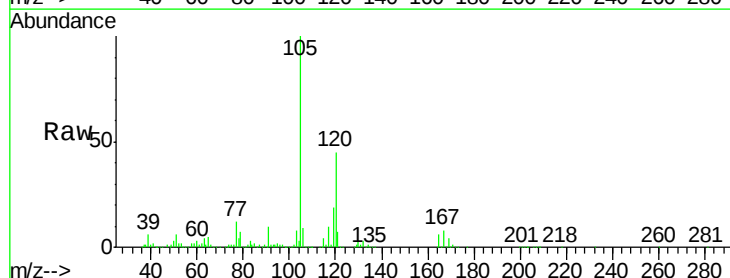
Acq: 28 Jun 2018 23:34

Tgt Ion:105 Resp: 3666533

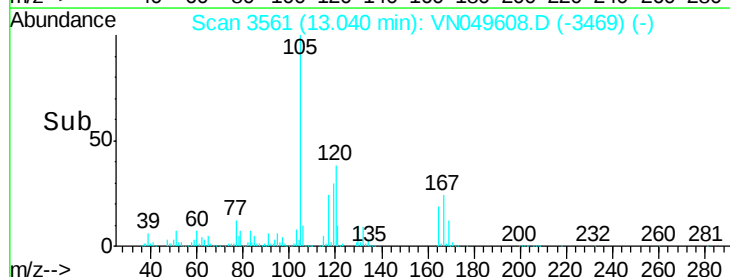
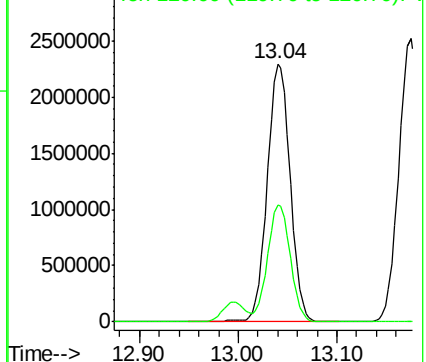
Ion Ratio Lower Upper

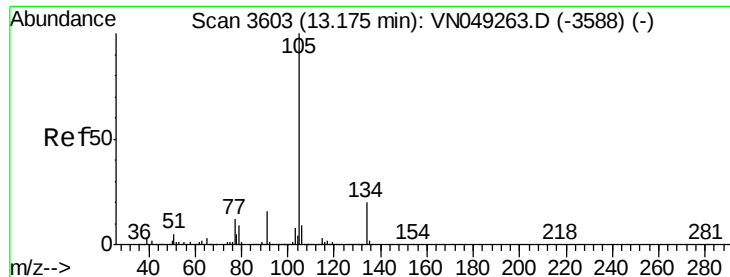
105 100

120 44.9 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: 44.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

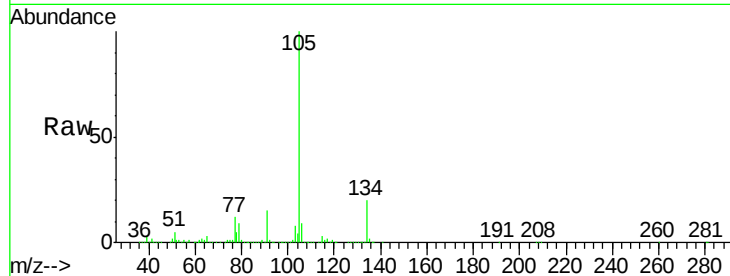
ClientSampleId :

Tot Ion:105 Resp: 3977320

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

3000000

2500000

2000000

1500000

1000000

500000

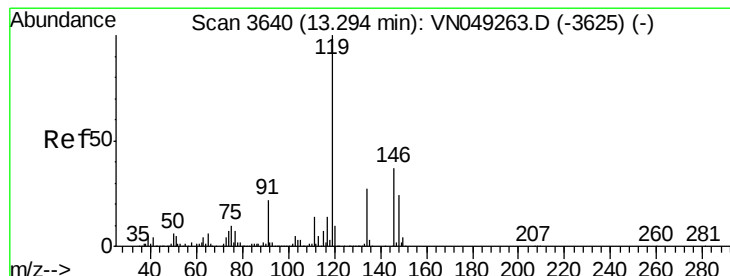
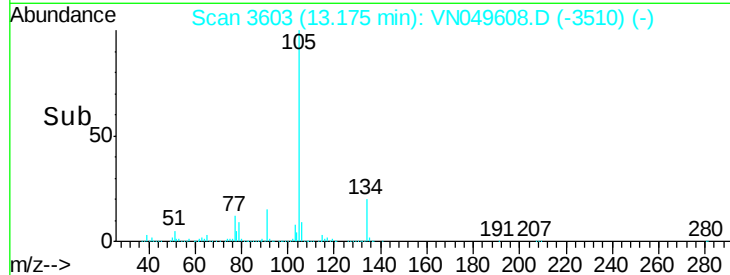
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 47.27 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

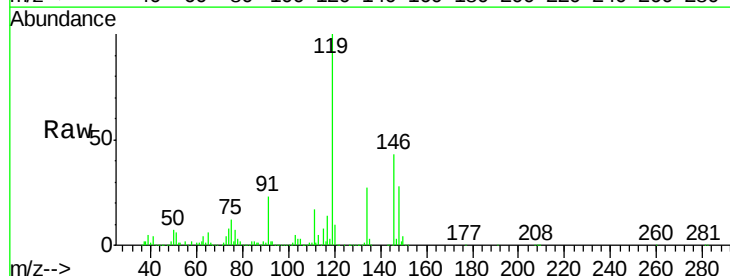
Tgt Ion:119 Resp: 3532869

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

91 22.6 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

3000000

2500000

2000000

1500000

1000000

500000

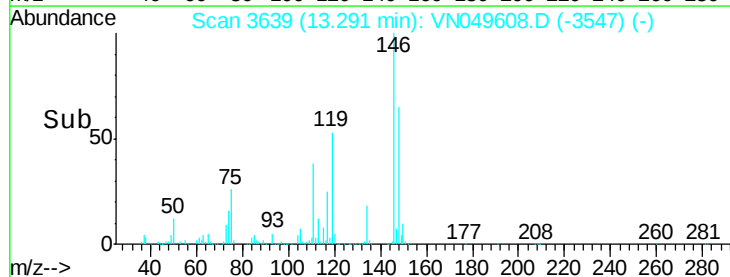
0

13.25

13.29

13.35

Time-->

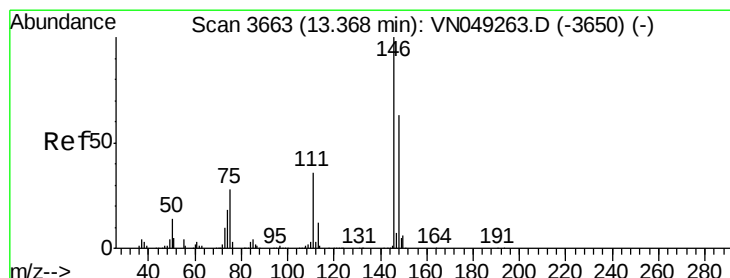
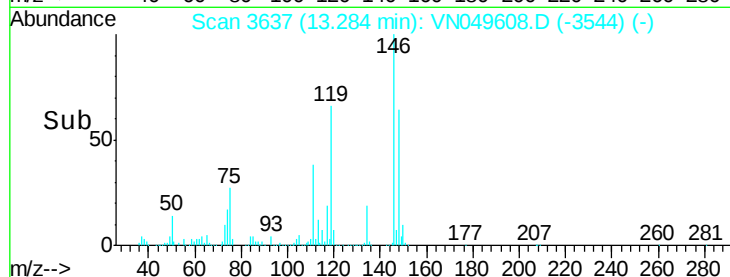
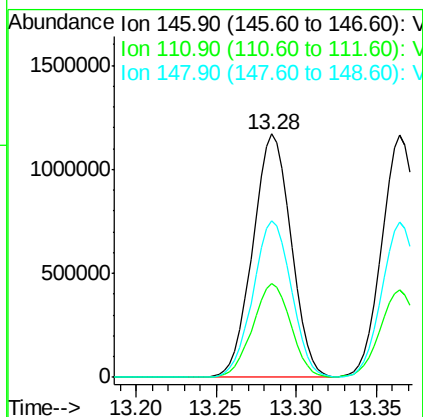
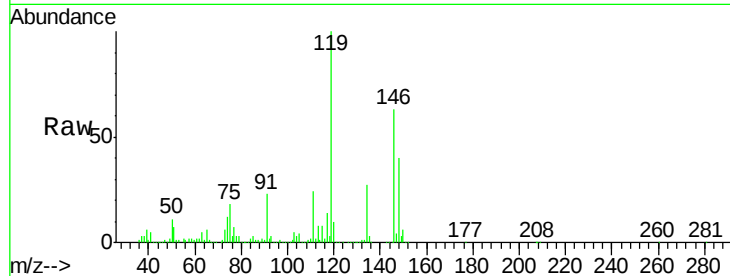




#87
 1,3-Dichlorobenzene
 Concen: 46.21 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

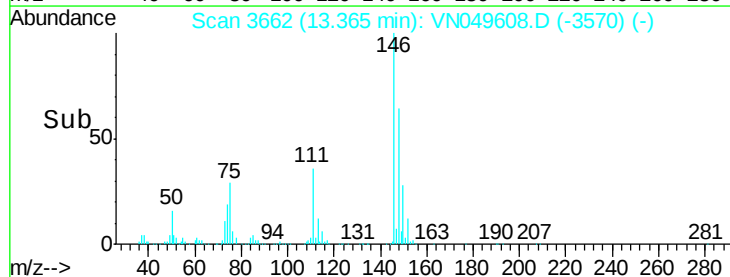
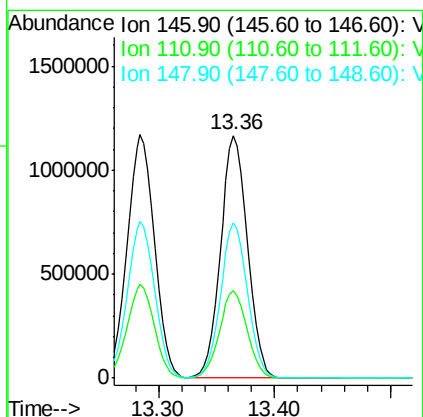
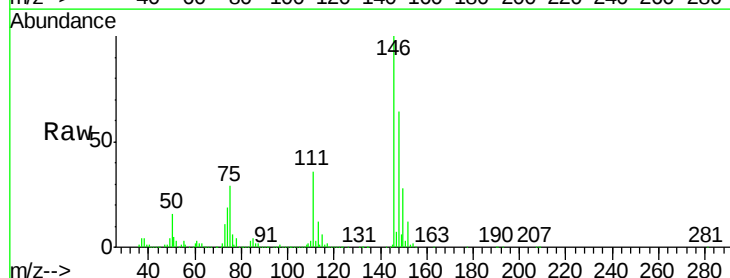
Instrument :
 MSVOA_N
 ClientSampleId :

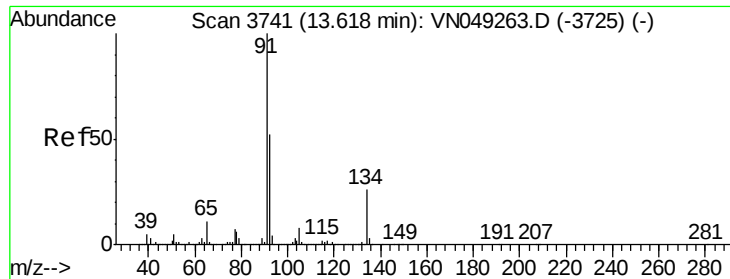
Tot Ion:146 Resp: 1938091
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.9 59.6
 148 64.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 45.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion:146 Resp: 1878554
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.1 57.1
 148 63.9 32.0 96.2

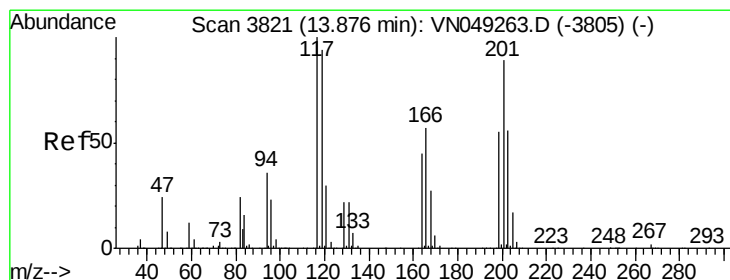
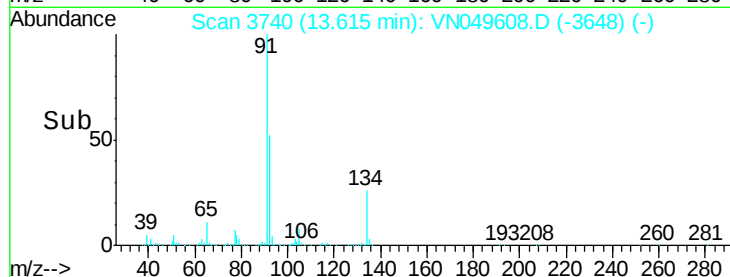
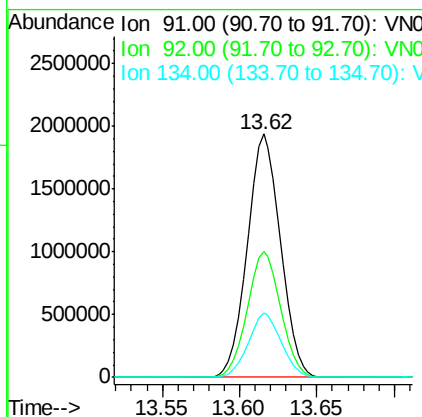
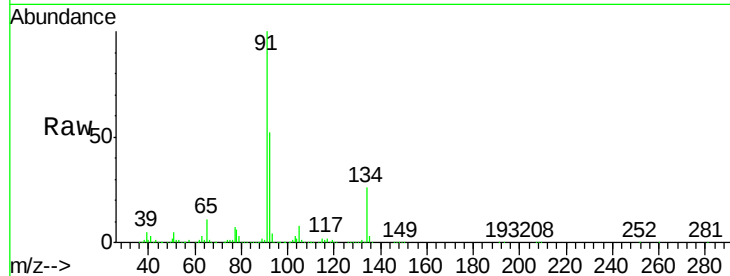




#89
n-Butylbenzene
Concen: 49.60 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

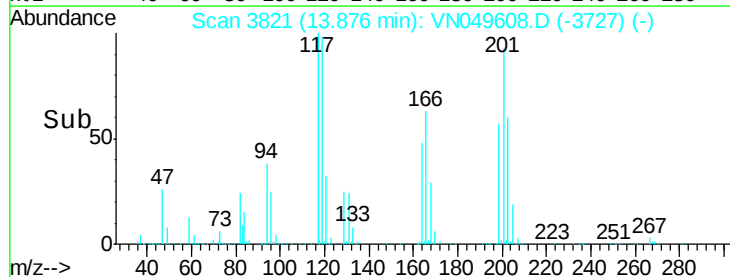
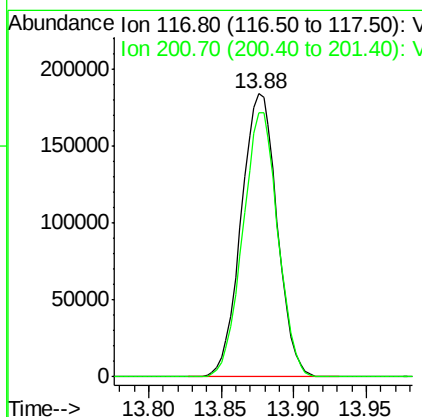
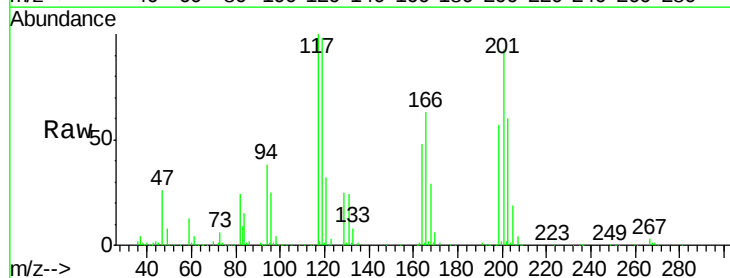
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 2895428
Ion Ratio Lower Upper
91 100
92 51.9 25.1 75.4
134 26.1 12.0 36.0



#90
Hexachloroethane
Concen: 21.41 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 117 Resp: 316612
Ion Ratio Lower Upper
117 100
201 91.5 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 45.35 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampled :

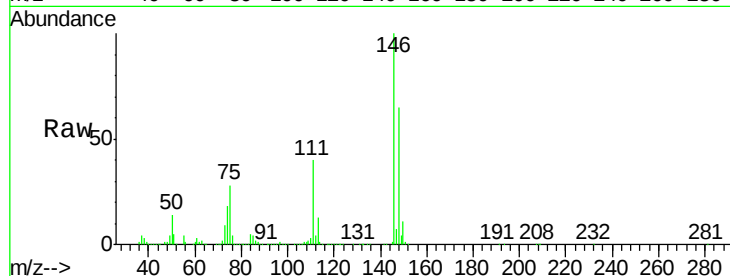
Tot Ion:146 Resp: 1865359

Ion Ratio Lower Upper

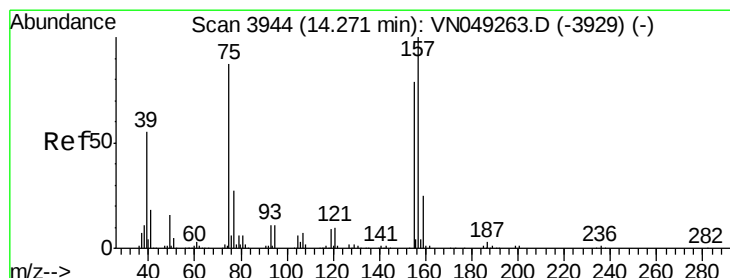
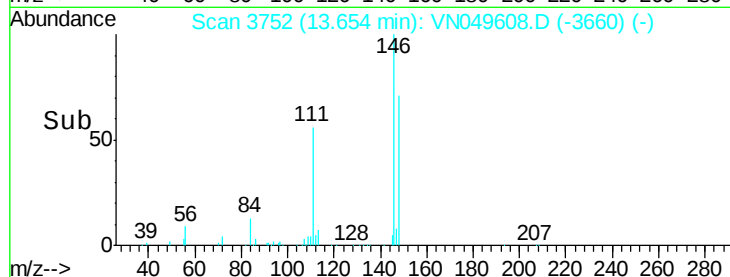
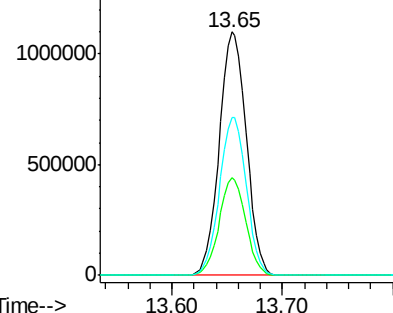
146 100

111 39.2 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: 39.93 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

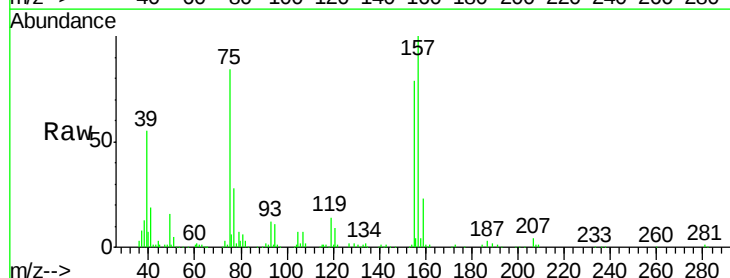
Tgt Ion: 75 Resp: 134163

Ion Ratio Lower Upper

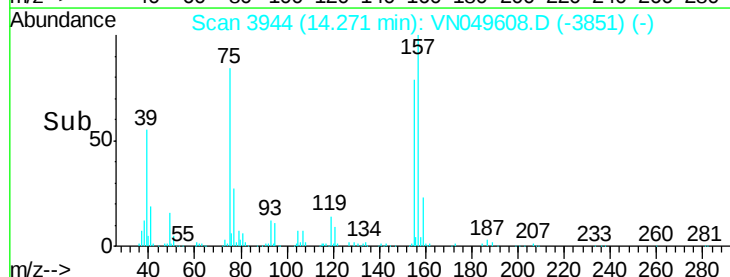
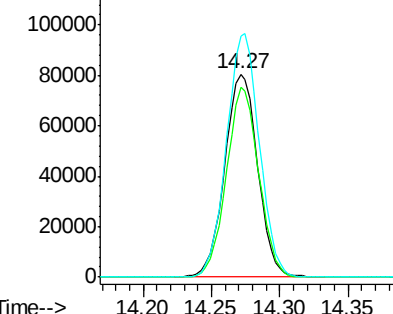
75 100

155 91.9 38.8 116.3

157 120.1 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

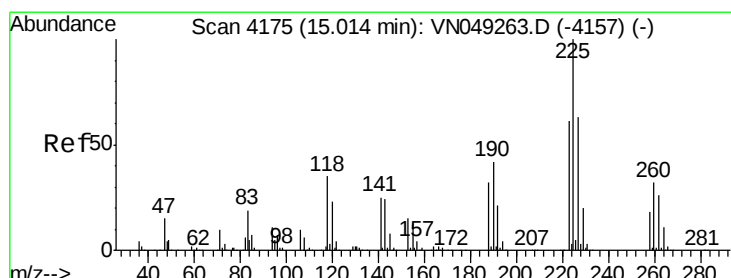
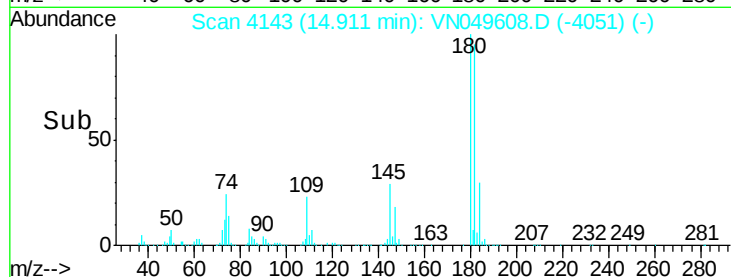
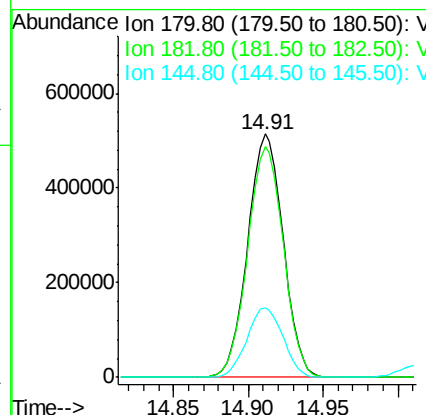
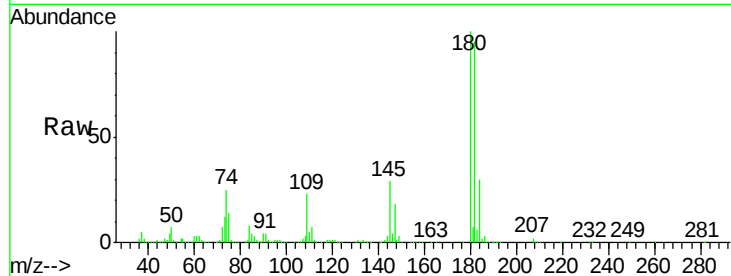




#93
 1,2,4-Trichlorobenzene
 Concen: 45.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

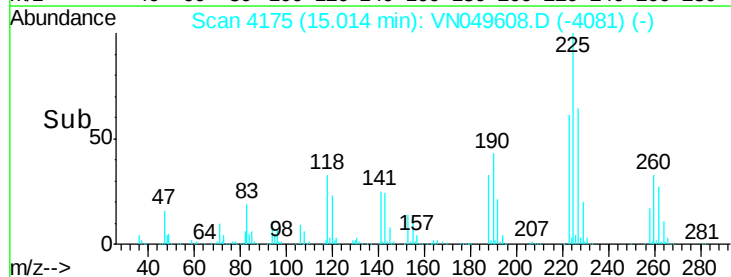
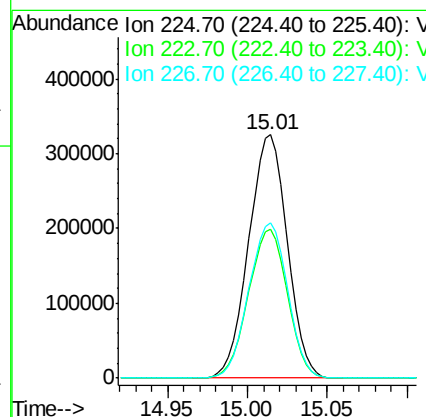
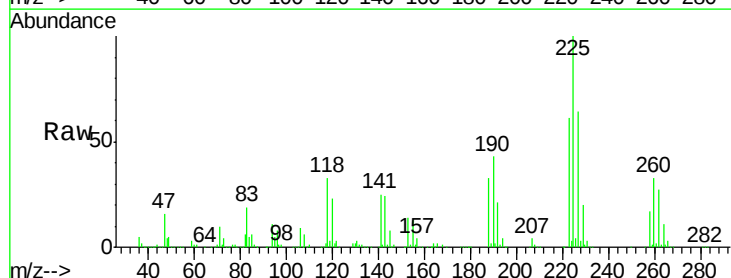
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.8
145	29.1	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 44.46 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.1	96.3
227	64.0	31.8	95.3





#95

Naphthalene

Concen: 52.88 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

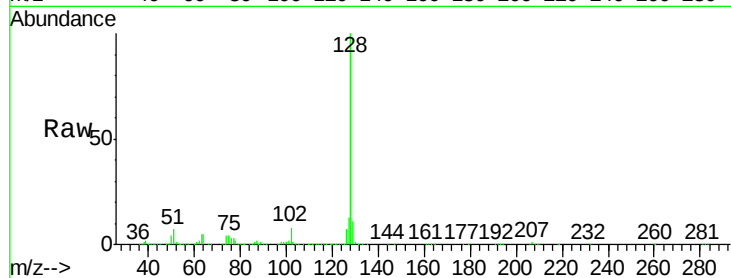
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1786201

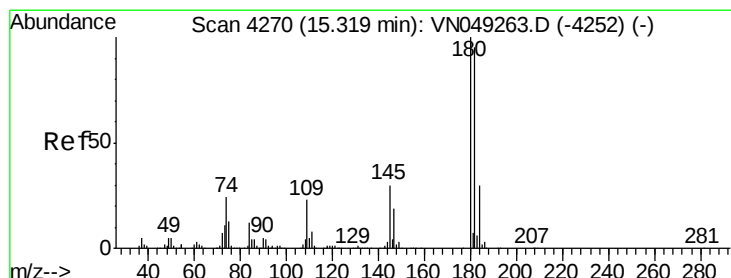
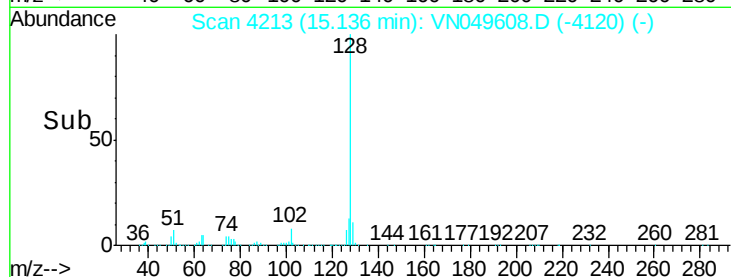
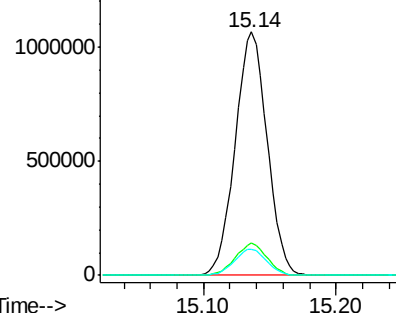
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.8	8.5	12.7



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: 44.45 ug/l

RT: 15.32 min Scan# 4269

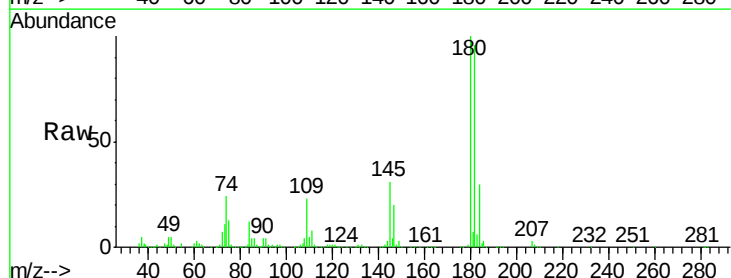
Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion:180 Resp: 811548

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.8
145	30.4	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

