

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049438.D
 Acq On : 20 Jun 2018 16:01
 Operator : MD\SY
 Sample : VN0620WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:28:05 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	1405944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2142118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1950380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	949735	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	1022102	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
35) Dibromofluoromethane	7.59	113	900950	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.09	98	3247488	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	1107653	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	312539	19.31	ug/l	99
3) Chloromethane	2.06	50	397152	19.01	ug/l	98
4) Vinyl Chloride	2.18	62	423982	19.09	ug/l	99
5) Bromomethane	2.56	94	227252	19.47	ug/l	96
6) Chloroethane	2.70	64	271935	20.54	ug/l	100
7) Trichlorofluoromethane	3.01	101	553194	19.97	ug/l	99
8) Diethyl Ether	3.41	74	215000	22.23	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	343128	19.53	ug/l	92
10) Methyl Iodide	3.95	142	357450	19.54	ug/l	92
11) Tert butyl alcohol	4.80	59	133903	122.34	ug/l	98
12) 1,1-Dichloroethene	3.73	96	314190	19.49	ug/l	87
13) Acrolein	3.61	56	153769	133.97	ug/l	100
14) Allyl chloride	4.32	41	513011	20.15	ug/l	90
15) Acrylonitrile	4.99	53	626399	114.46	ug/l	98
16) Acetone	3.82	43	525897	116.15	ug/l	91
17) Carbon Disulfide	4.05	76	918688	18.18	ug/l	100
18) Methyl Acetate	4.33	43	340411	24.66	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	940115	22.87	ug/l	99
20) Methylene Chloride	4.55	84	385745	20.40	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	335631	19.67	ug/l	95
22) Diisopropyl ether	5.95	45	1132949	22.29	ug/l	97
23) Vinyl Acetate	5.90	43	3761138	113.51	ug/l	96
24) 1,1-Dichloroethane	5.85	63	667387	20.51	ug/l	99
25) 2-Butanone	6.84	43	715083	117.62	ug/l	96
26) 2,2-Dichloropropane	6.82	77	529334	20.15	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	393567	20.74	ug/l	93
28) Bromochloromethane	7.19	49	325376	22.56	ug/l	85
29) Tetrahydrofuran	7.21	42	457472	116.90	ug/l	93
30) Chloroform	7.37	83	679092	20.97	ug/l	100
31) Cyclohexane	7.65	56	547429	19.74	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	548968	19.87	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473866	19.30	ug/l	96
37) Ethyl Acetate	6.93	43	318212	23.84	ug/l	99
38) Carbon Tetrachloride	7.77	117	487507	19.18	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	492140	18.67	ug/l	98
40) Benzene	8.04	78	1505437	20.00	ug/l	100
41) Methacrylonitrile	7.18	41	171310	23.74	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	491980	21.16	ug/l	97
43) Isopropyl Acetate	8.17	43	614528	24.10	ug/l	99
44) Trichloroethene	8.83	130	401557	20.20	ug/l	97
45) 1,2-Dichloropropane	9.12	63	405254	20.56	ug/l	98
46) Dibromomethane	9.21	93	248089	21.71	ug/l	91
47) Bromodichloromethane	9.40	83	519212	20.68	ug/l	96
48) Methyl methacrylate	9.20	41	277945	23.15	ug/l	88
49) 1,4-Dioxane	9.20	88	76131	459.34	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1577035	117.99	ug/l	94
52) Toluene	10.16	92	926066	20.96	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	515281	21.45	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	593629	20.93	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	360954	21.92	ug/l	96
56) Ethyl methacrylate	10.43	69	427844	22.52	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	586635	21.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	632494	102.11	ug/l	95
59) 2-Hexanone	10.75	43	1032031	119.77	ug/l	94
60) Dibromochloromethane	10.90	129	394910	21.49	ug/l	98
61) 1,2-Dibromoethane	11.01	107	335219	21.90	ug/l	99
64) Tetrachloroethene	10.63	164	429604	21.50	ug/l	97
65) Chlorobenzene	11.44	112	1006698	20.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	379644	20.08	ug/l	100
67) Ethyl Benzene	11.51	91	1678299	20.14	ug/l	98
68) m/p-Xylenes	11.62	106	1300261	41.57	ug/l	97
69) o-Xylene	11.95	106	623579	20.70	ug/l	96
70) Styrene	11.97	104	1012997	21.32	ug/l	98
71) Bromoform	12.13	173	267243	21.84	ug/l	98
73) Isopropylbenzene	12.25	105	1642801	19.70	ug/l	98
74) N-amyl acetate	12.07	43	443184	21.70	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	405421	22.40	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	517193	31.92	ug/l #	100
77) Bromobenzene	12.53	156	431097	19.57	ug/l	92
78) n-propylbenzene	12.59	91	1844478	20.14	ug/l	99
79) 2-Chlorotoluene	12.68	91	1151173	19.84	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1342938	20.49	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	110123	21.48	ug/l	93
82) 4-Chlorotoluene	12.78	91	1151692	20.58	ug/l	98
83) tert-Butylbenzene	12.99	119	1114341	19.19	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1363844	20.95	ug/l	99
85) sec-Butylbenzene	13.17	105	1483480	19.19	ug/l	99
86) p-Isopropyltoluene	13.29	119	1276717	19.77	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	715310	19.74	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	705156	19.63	ug/l	99
89) n-Butylbenzene	13.62	91	956080	18.96	ug/l	98
90) Hexachloroethane	13.88	117	256485	19.97	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	722089	20.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60582	20.87	ug/l	87

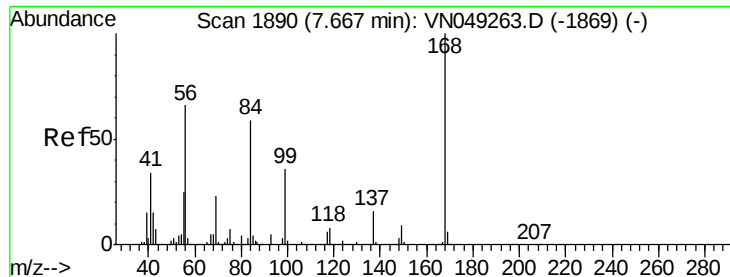
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245351	18.38	ug/l	99
94) Hexachlorobutadiene	15.01	225	218903	19.39	ug/l	99
95) Naphthalene	15.14	128	509647	20.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	274855	19.53	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: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

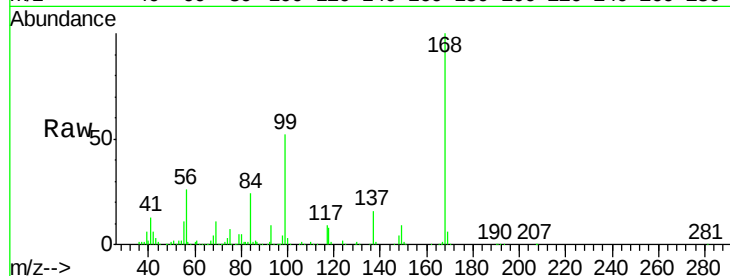
ClientSampleId :

Tot Ion:168 Resp: 1405944

Ion Ratio Lower Upper

168 100

99 51.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

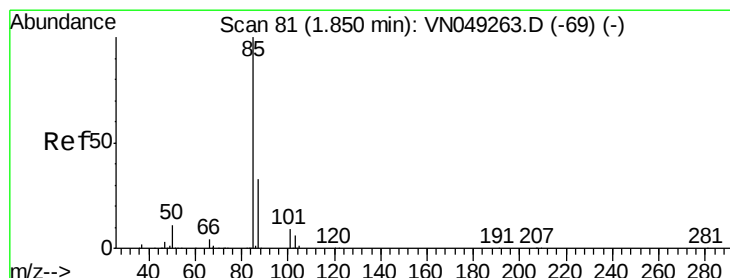
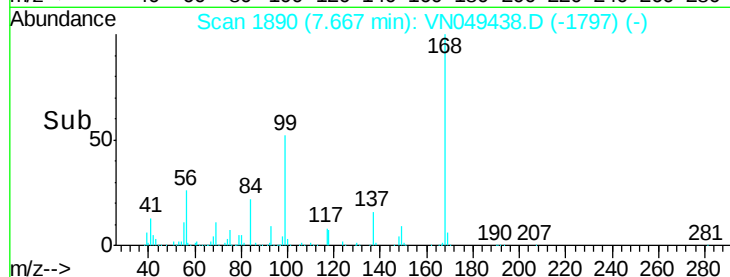
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.31 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049438.D

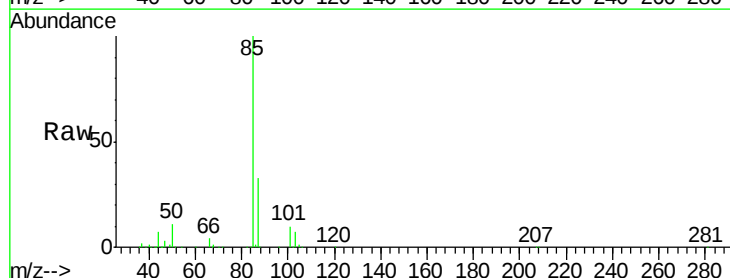
Acq: 20 Jun 2018 16:01

Tgt Ion: 85 Resp: 312539

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

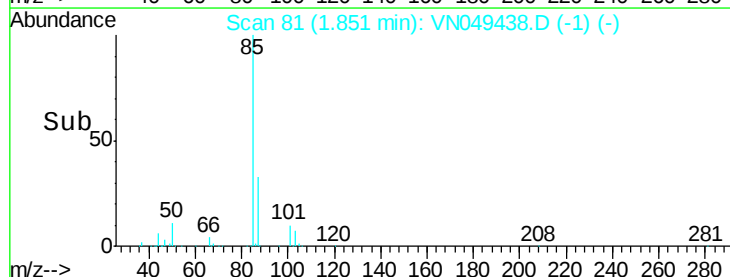
150000

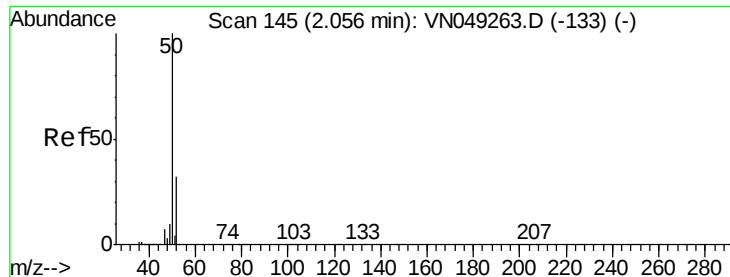
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.01 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

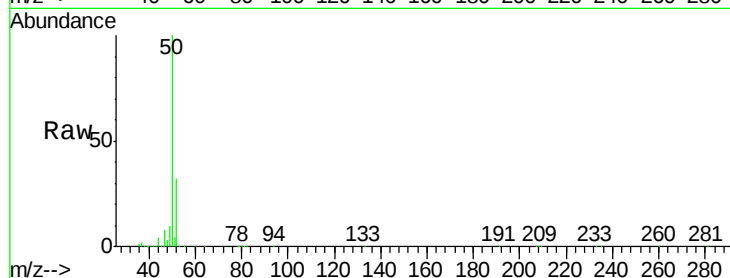
ClientSampleId :

Tot Ion: 50 Resp: 397152

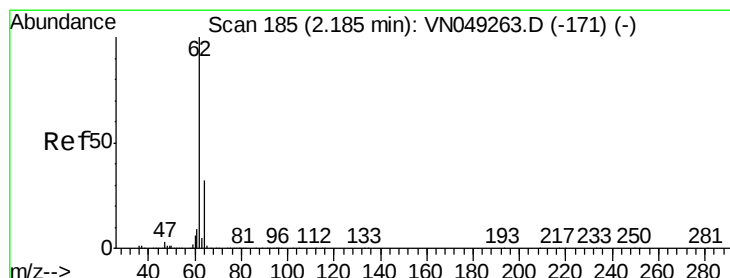
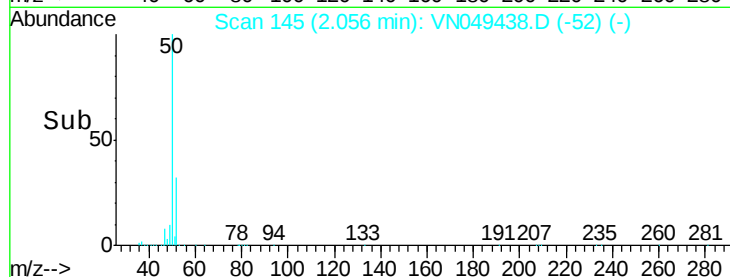
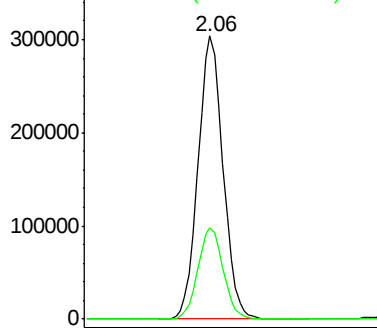
Ion Ratio Lower Upper

50 100

52 32.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.09 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049438.D

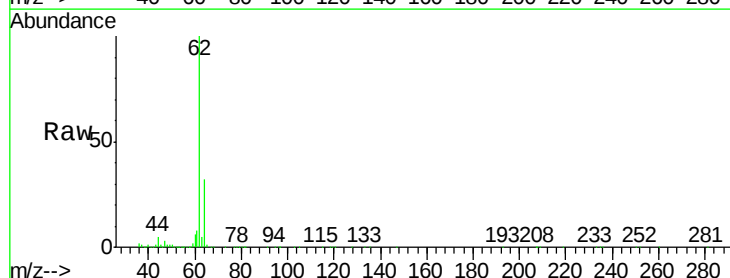
Acq: 20 Jun 2018 16:01

Tgt Ion: 62 Resp: 423982

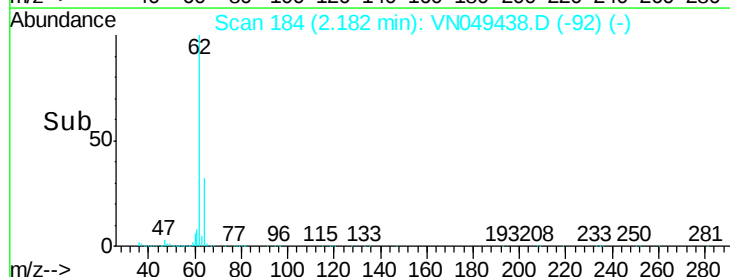
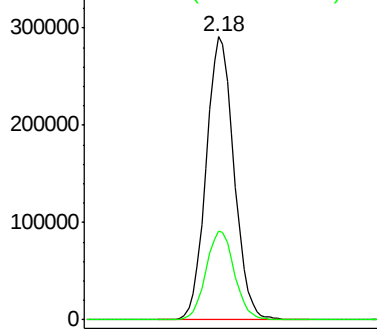
Ion Ratio Lower Upper

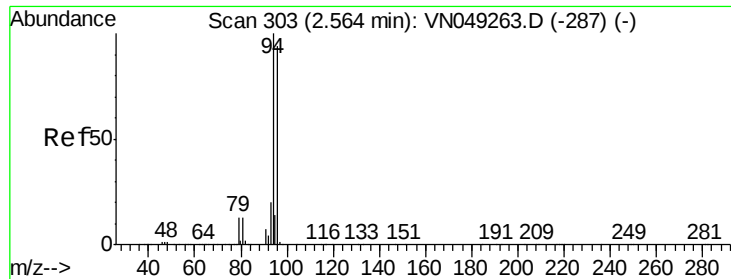
62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.47 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

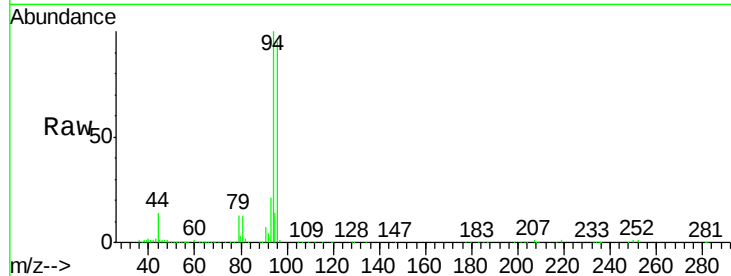
ClientSampled :

Tot Ion: 94 Resp: 227252

Ion Ratio Lower Upper

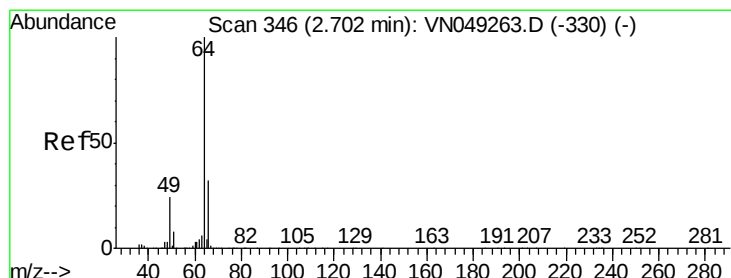
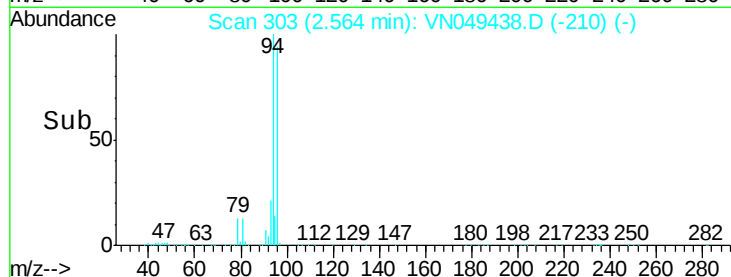
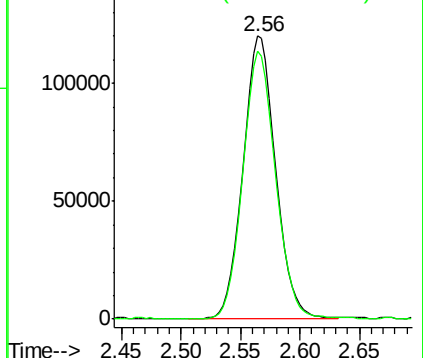
94 100

96 94.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.54 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049438.D

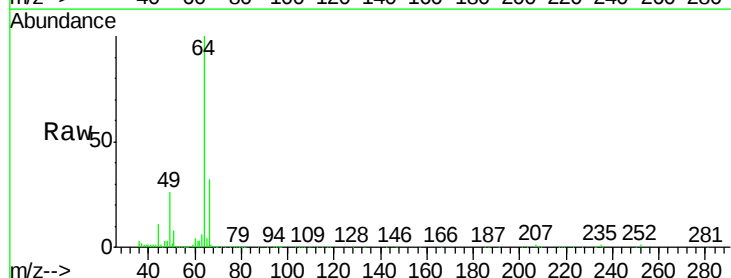
Acq: 20 Jun 2018 16:01

Tgt Ion: 64 Resp: 271935

Ion Ratio Lower Upper

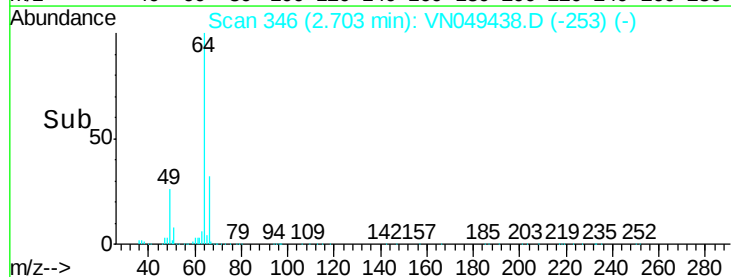
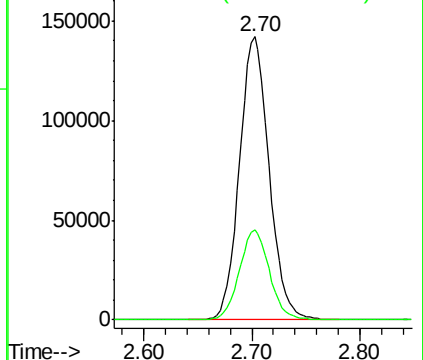
64 100

66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



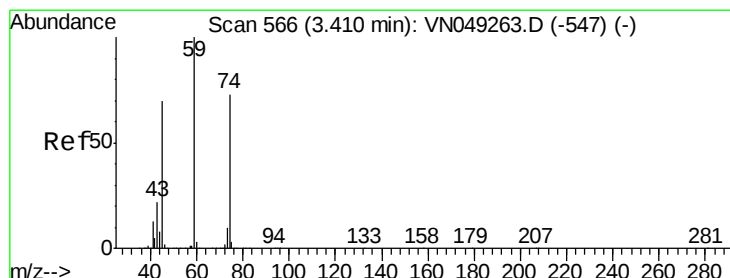
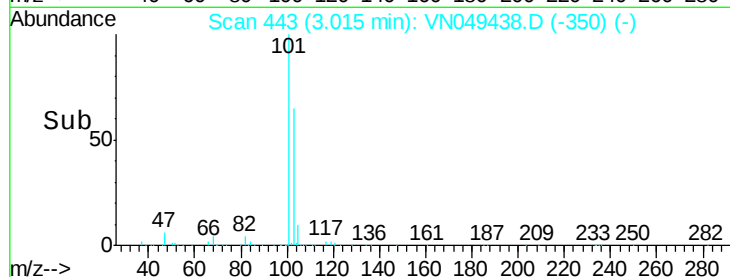
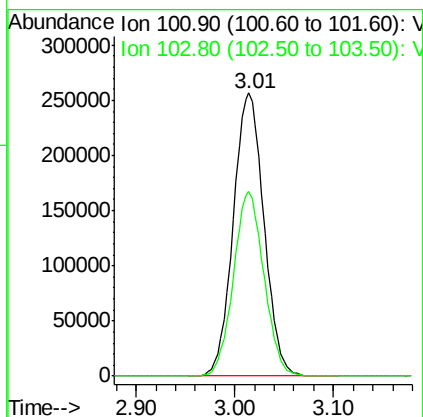
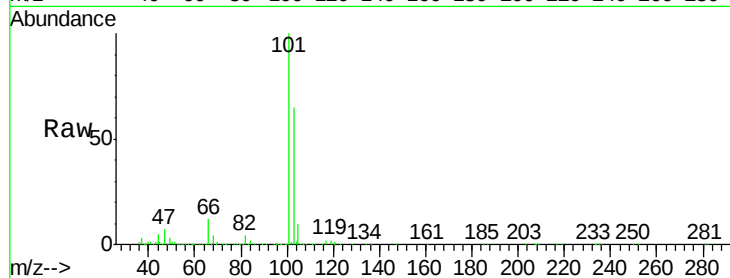


#7

Trichlorofluoromethane
Concen: 19.97 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampled :

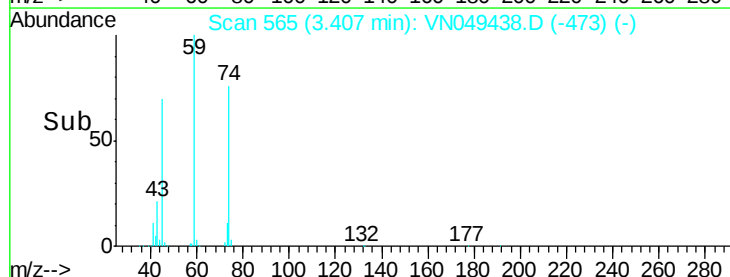
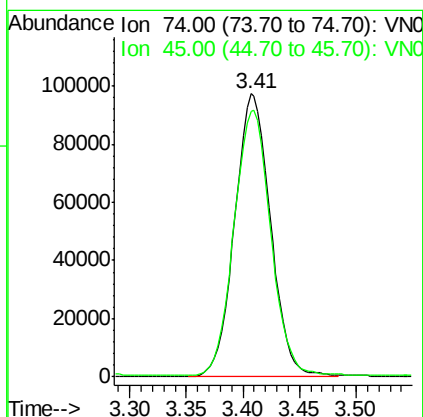
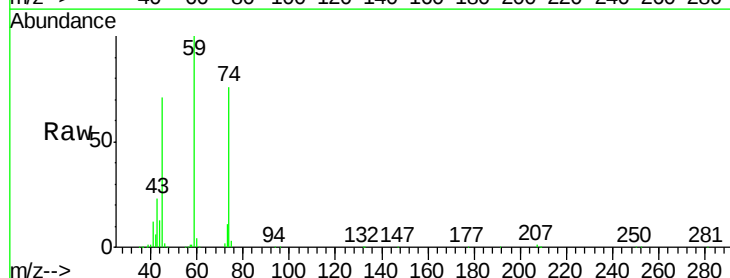
Tot Ion:101 Resp: 553194
Ion Ratio Lower Upper
101 100
103 65.1 51.7 77.5

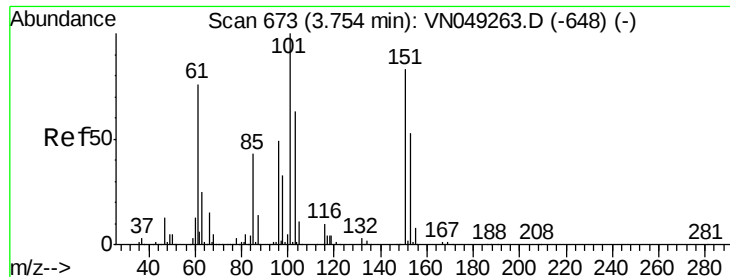


#8

Diethyl Ether
Concen: 22.23 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 74 Resp: 215000
Ion Ratio Lower Upper
74 100
45 96.1 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.53 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

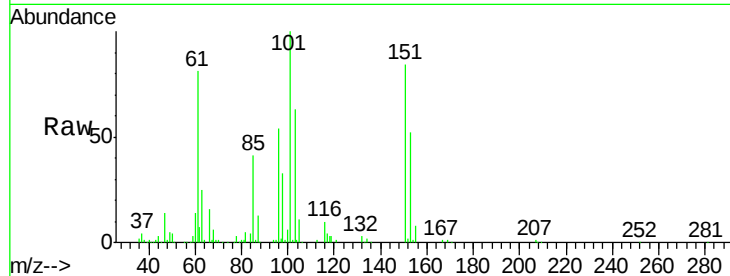
Tot Ion:101 Resp: 343128

Ion Ratio Lower Upper

101 100

85 42.5 37.6 56.4

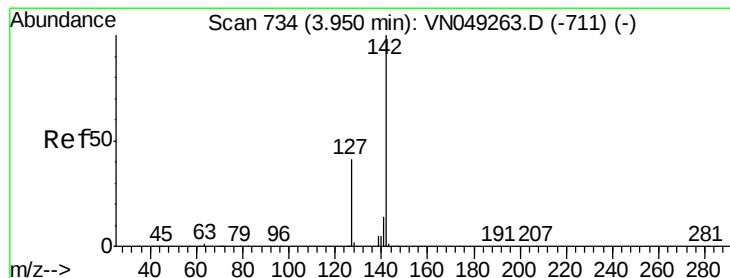
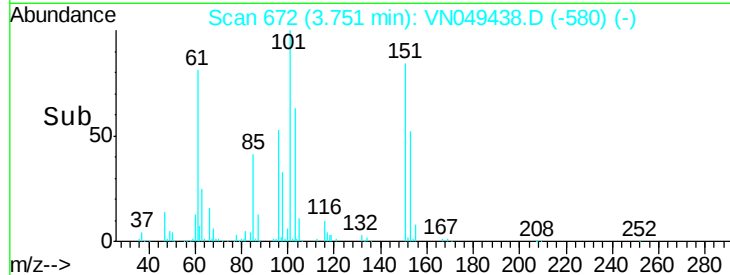
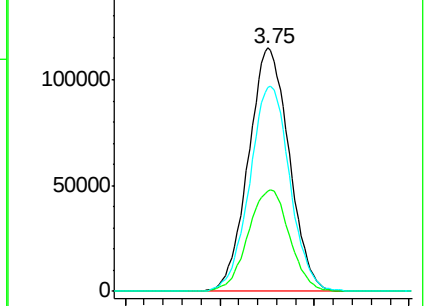
151 83.3 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.54 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

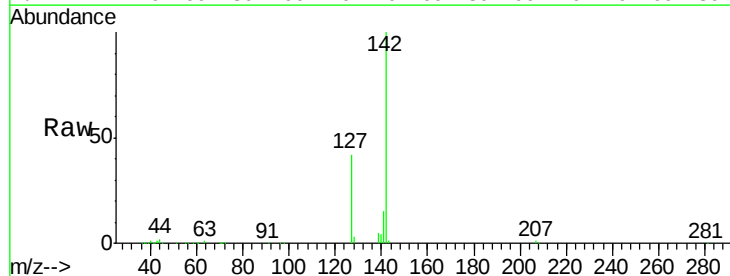
Tgt Ion:142 Resp: 357450

Ion Ratio Lower Upper

142 100

127 40.8 38.2 57.4

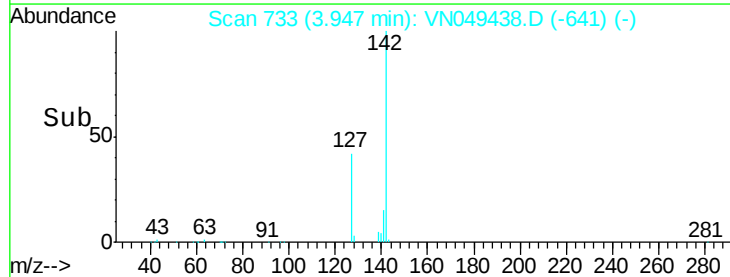
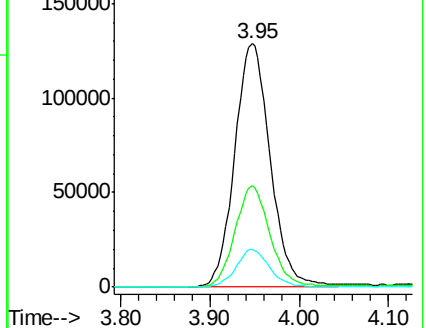
141 14.7 11.9 17.9

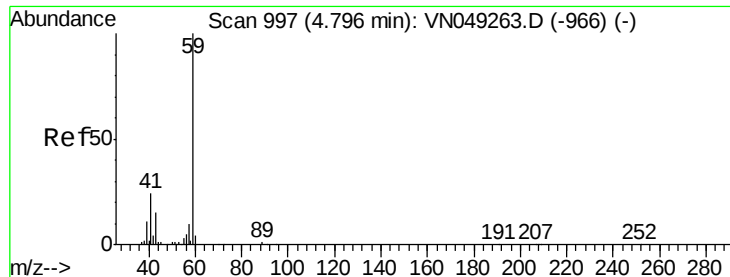


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

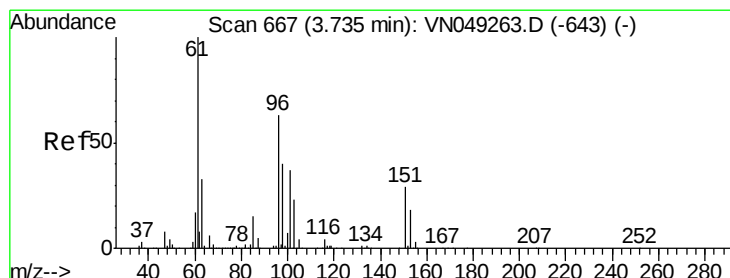
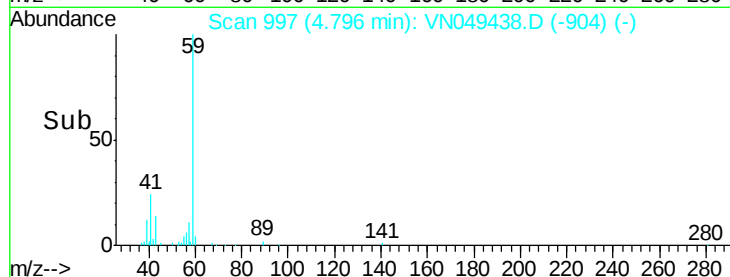
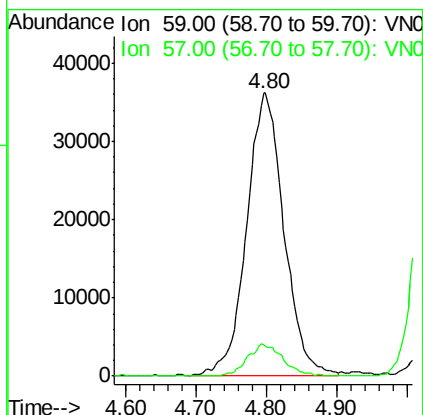
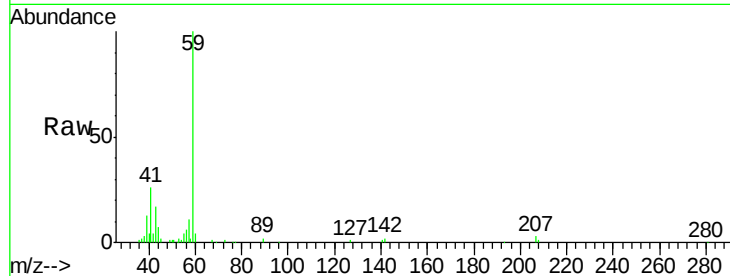




#11
Tert butyl alcohol
Concen: 122.34 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

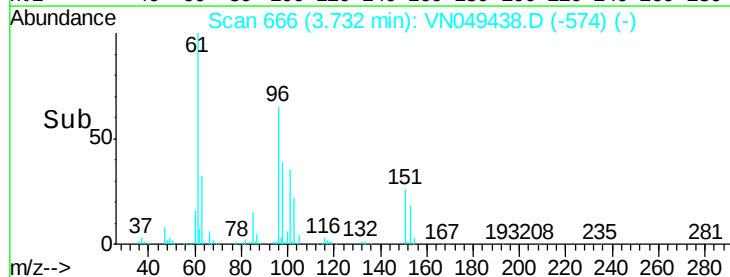
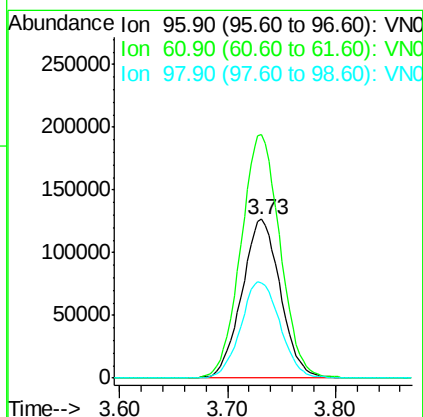
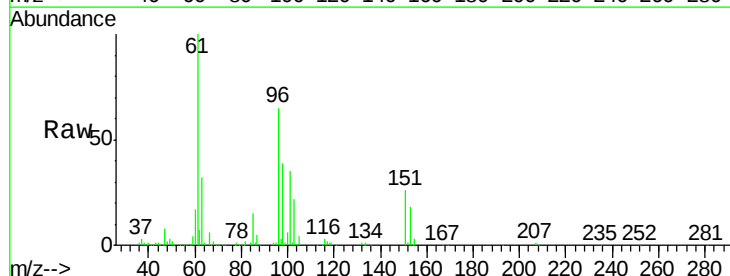
Instrument :
MSVOA_N
ClientSampled :

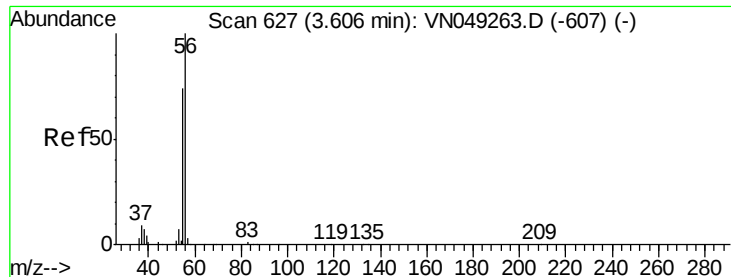
Tot Ion: 59 Resp: 133903
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6



#12
1,1-Dichloroethene
Concen: 19.49 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 96 Resp: 314190
Ion Ratio Lower Upper
96 100
61 153.4 141.0 211.4
98 60.1 50.4 75.6





#13

Acrolein

Concen: 133.97 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

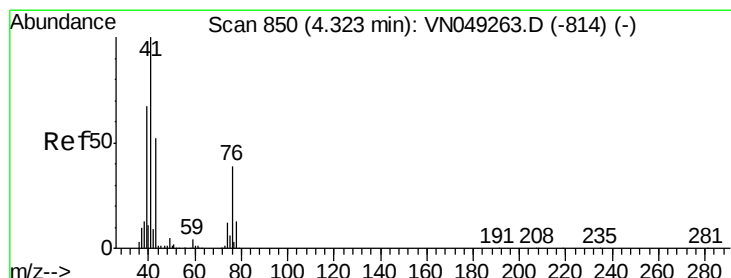
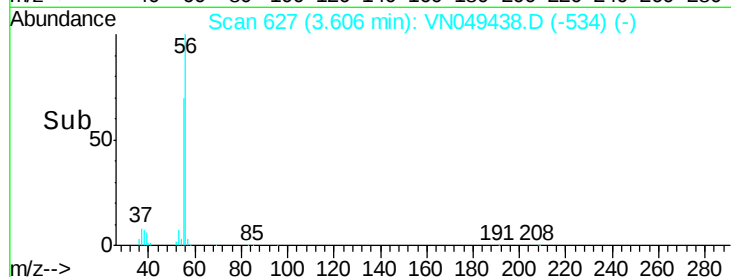
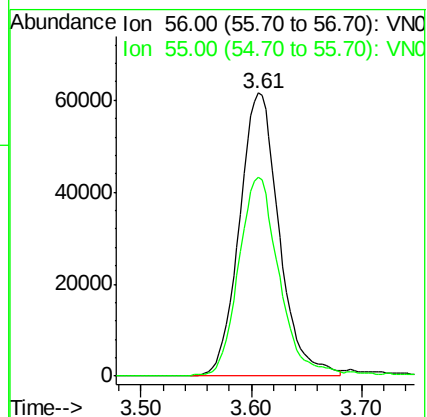
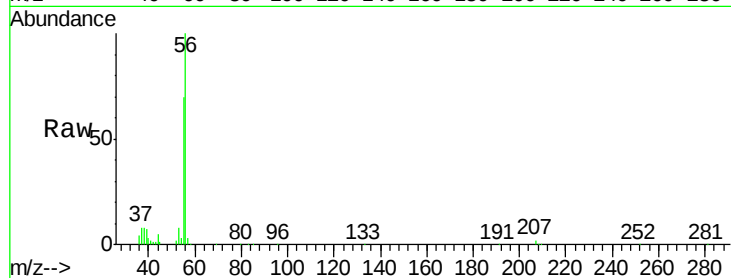
ClientSampleId :

Tot Ion: 56 Resp: 153769

Ion Ratio Lower Upper

56 100

55 71.4 57.1 85.7



#14

Allyl chloride

Concen: 20.15 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

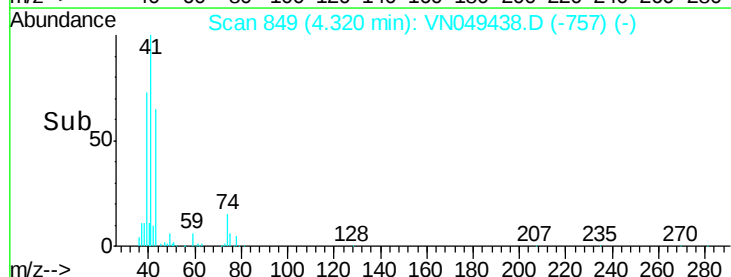
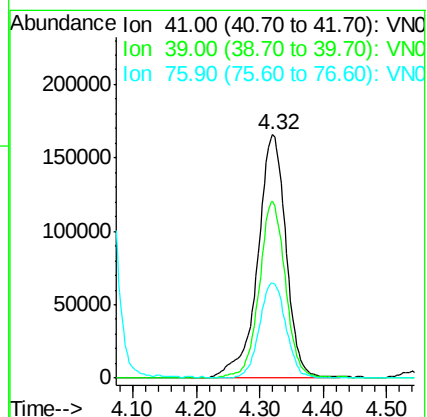
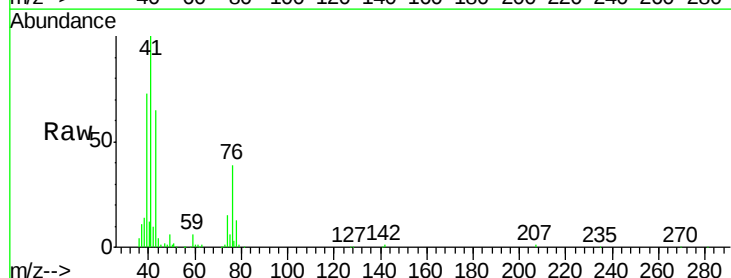
Tgt Ion: 41 Resp: 513011

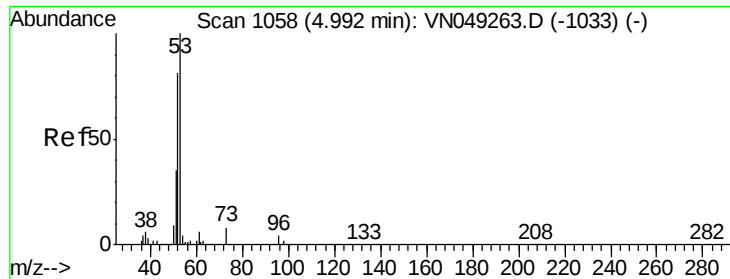
Ion Ratio Lower Upper

41 100

39 66.7 62.5 93.7

76 35.9 27.1 40.7





#15

Acrylonitrile

Concen: 114.46 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

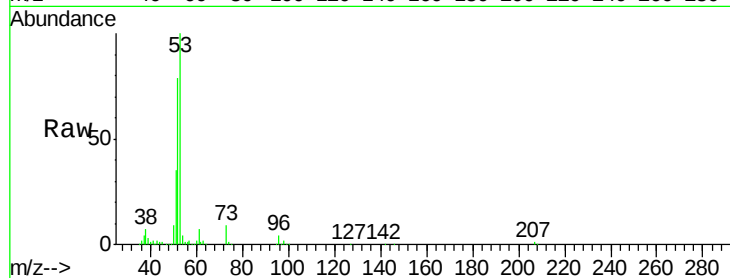
Tot Ion: 53 Resp: 626399

Ion Ratio Lower Upper

53 100

52 81.5 66.6 100.0

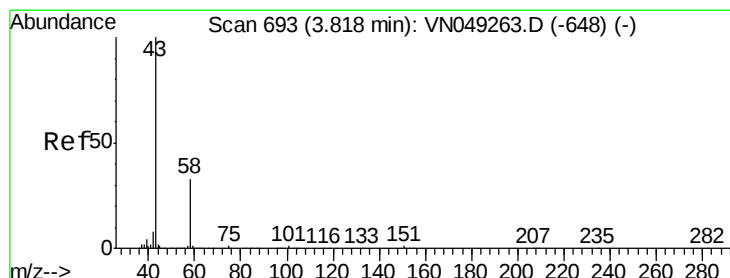
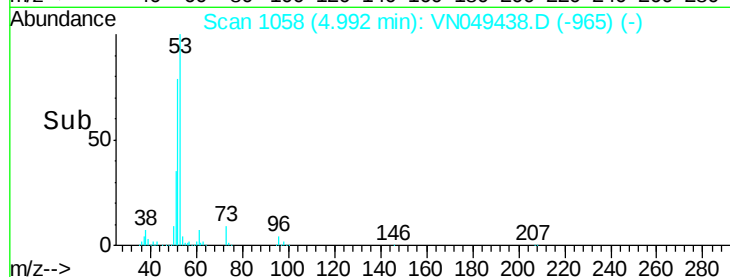
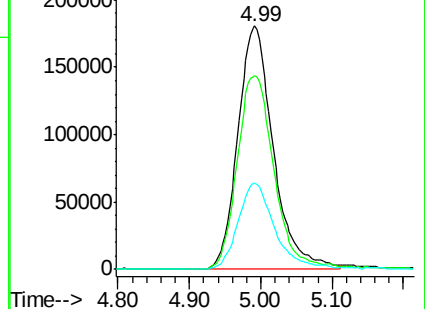
51 36.0 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN049438.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049438.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049438.D (-965) (-)



#16

Acetone

Concen: 116.15 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN049438.D

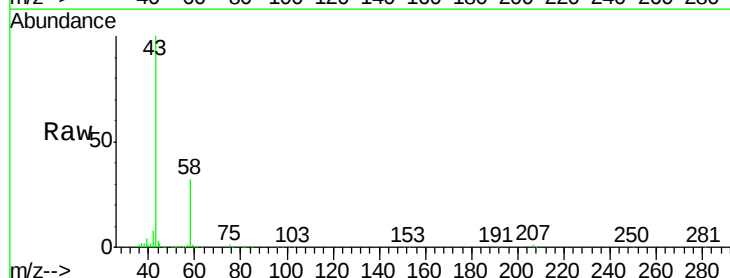
Acq: 20 Jun 2018 16:01

Tgt Ion: 43 Resp: 525897

Ion Ratio Lower Upper

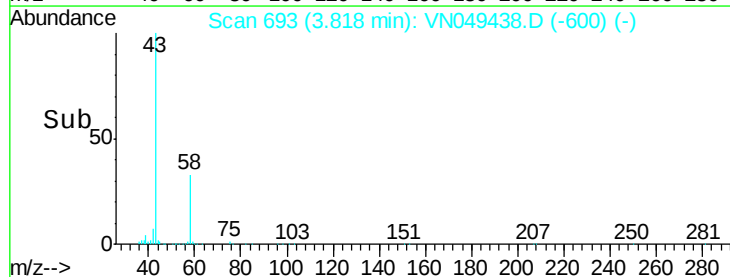
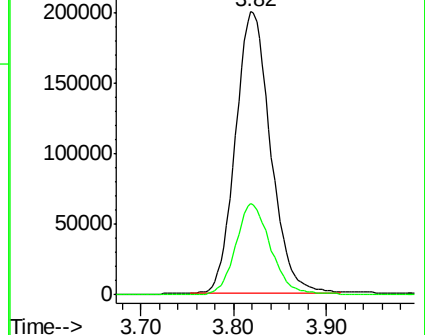
43 100

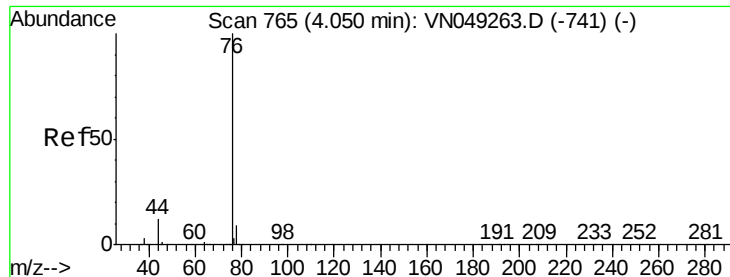
58 32.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049438.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049438.D (-600) (-)

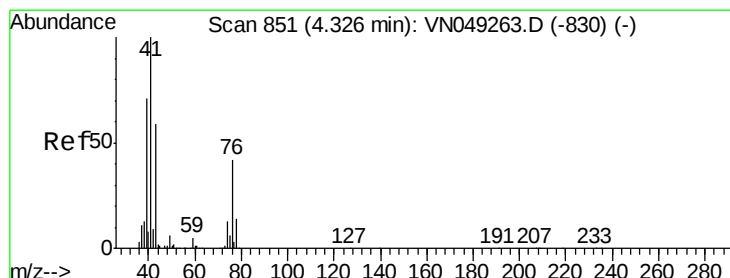
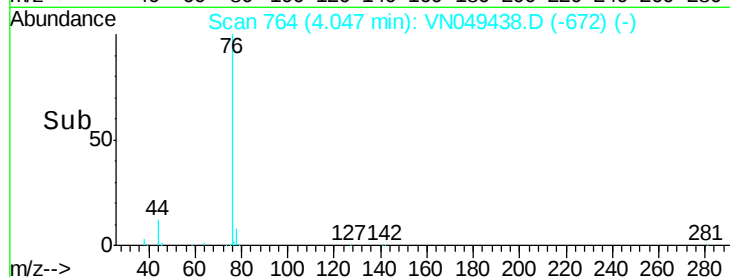
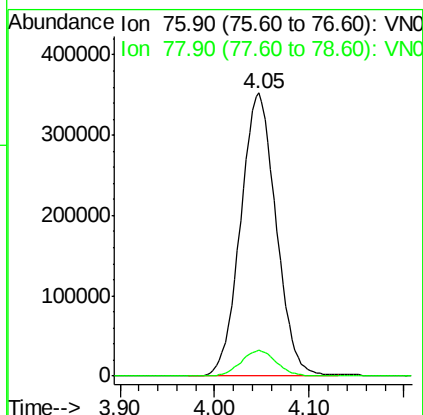
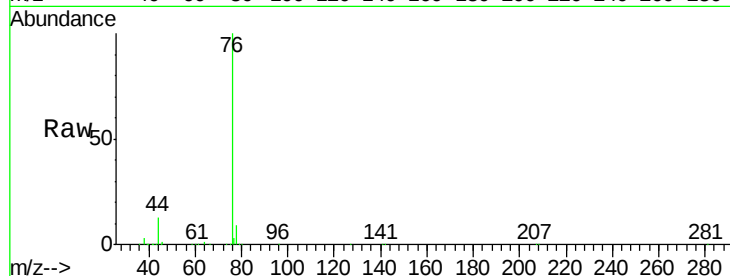




#17
Carbon Disulfide
Concen: 18.18 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

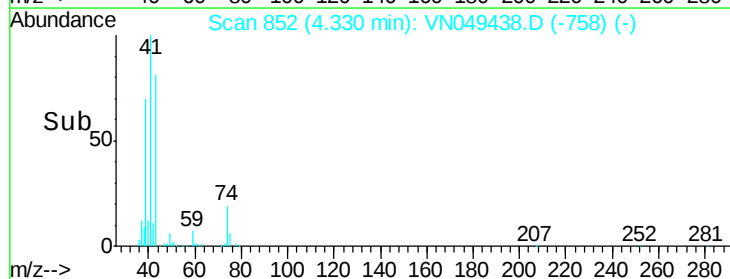
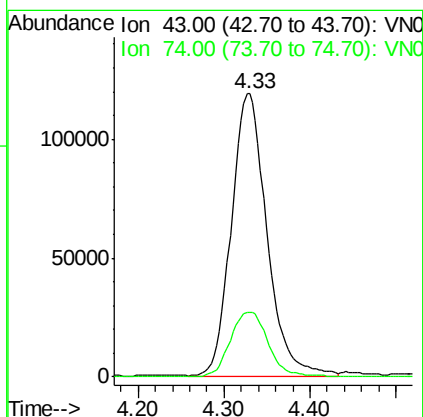
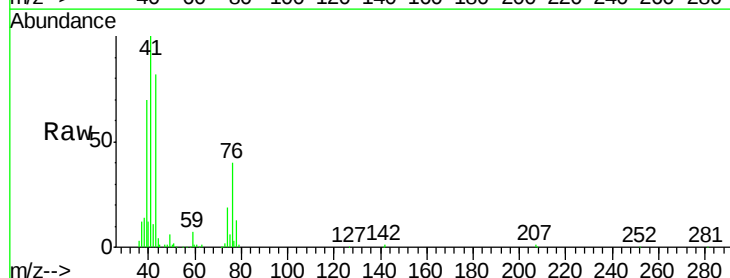
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 918688
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 24.66 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 43 Resp: 340411
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0

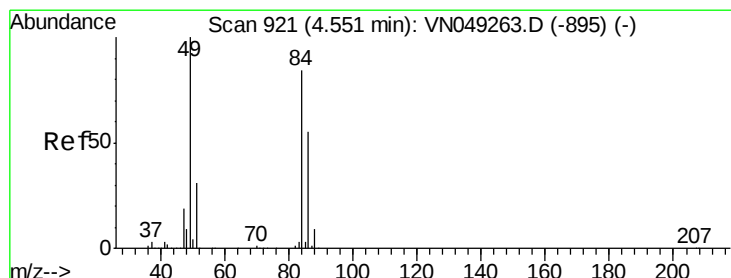
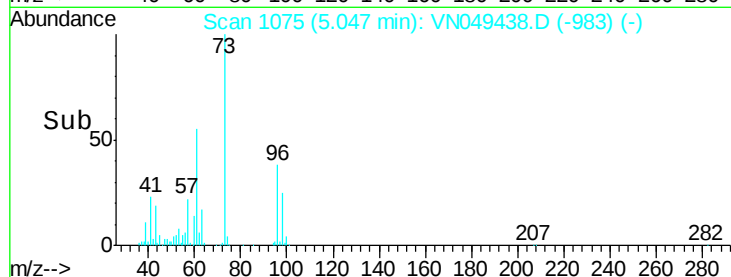
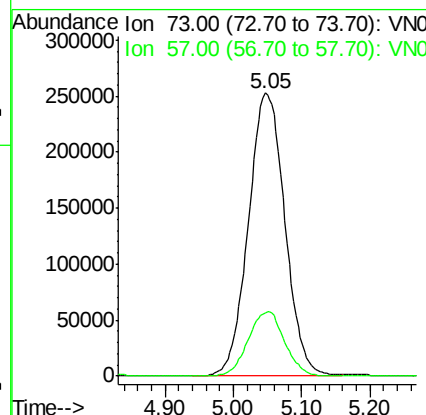
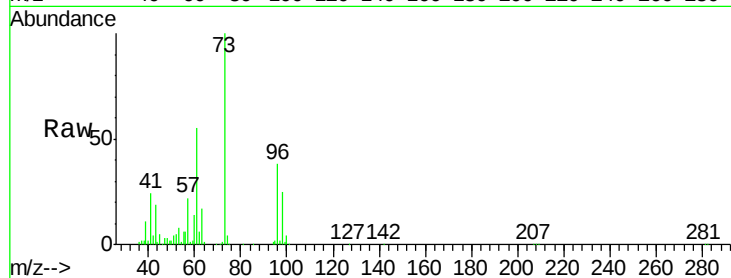




#19
Methvl tert-butvl Ether
Concen: 22.87 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

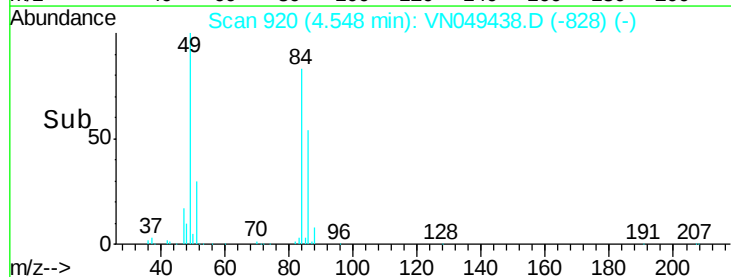
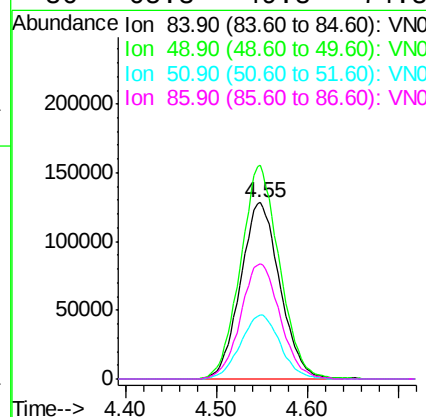
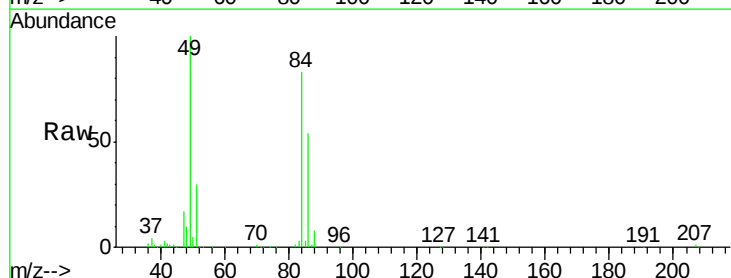
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 940115
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 20.40 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 84 Resp: 385745
Ion Ratio Lower Upper
84 100
49 121.1 106.9 160.3
51 36.6 32.7 49.1
86 65.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.67 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

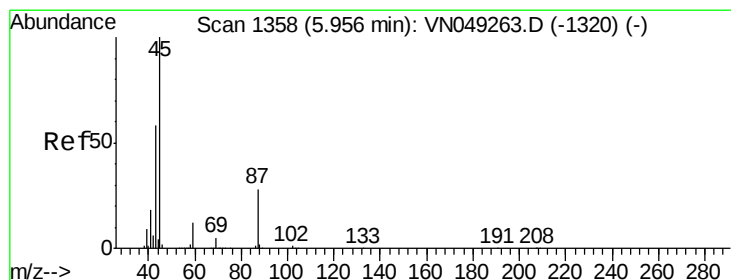
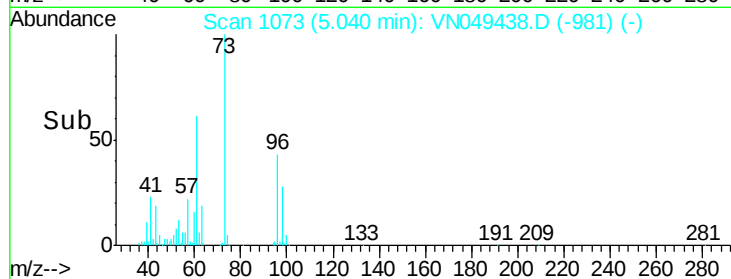
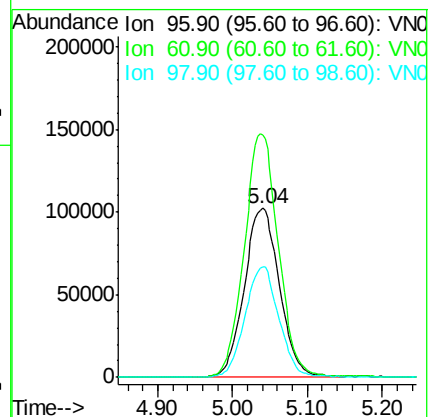
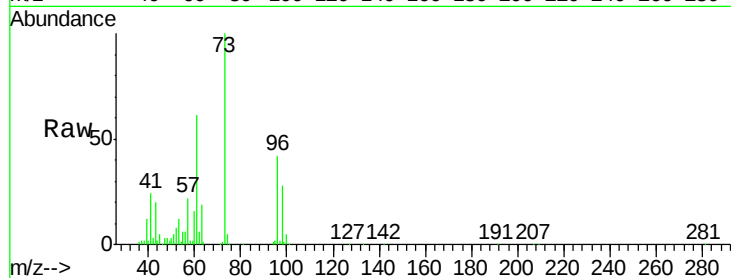
Tot Ion: 96 Resp: 335631

Ion Ratio Lower Upper

96 100

61 143.1 121.3 181.9

98 65.4 52.0 78.0



#22

Diisopropyl ether

Concen: 22.29 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion: 45 Resp: 1132949

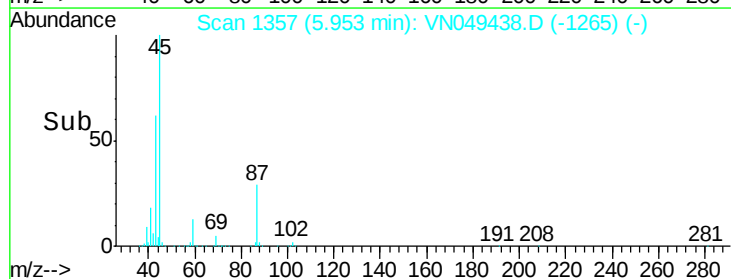
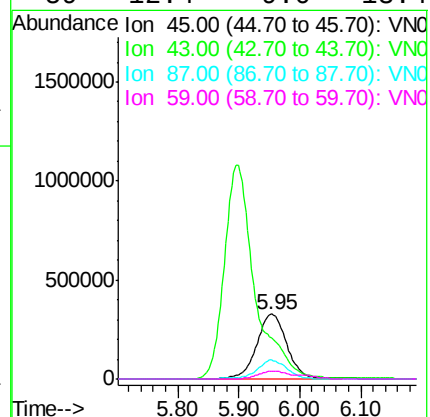
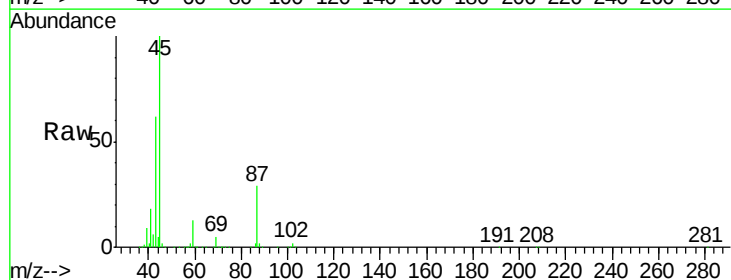
Ion Ratio Lower Upper

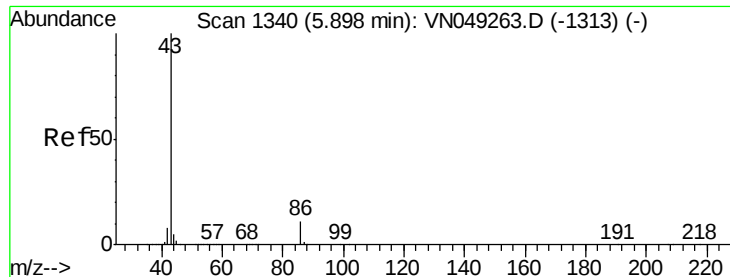
45 100

43 62.0 48.6 72.8

87 28.6 20.2 30.2

59 12.4 9.0 13.4





#23

Vinyl Acetate

Concen: 113.51 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

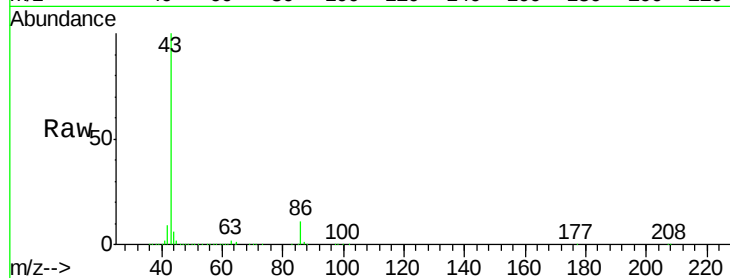
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3761138

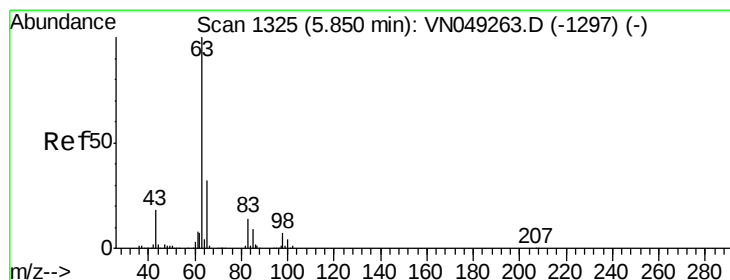
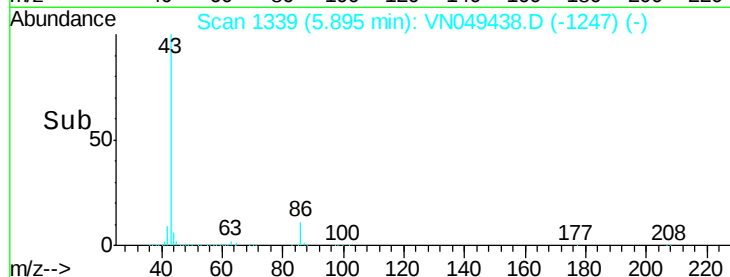
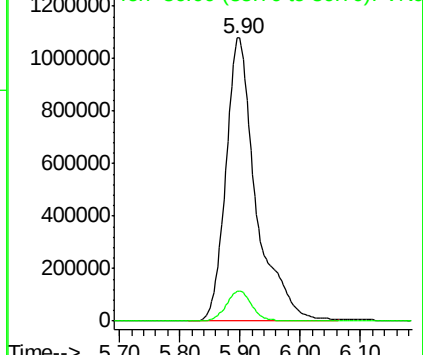
Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049438.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 20.51 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

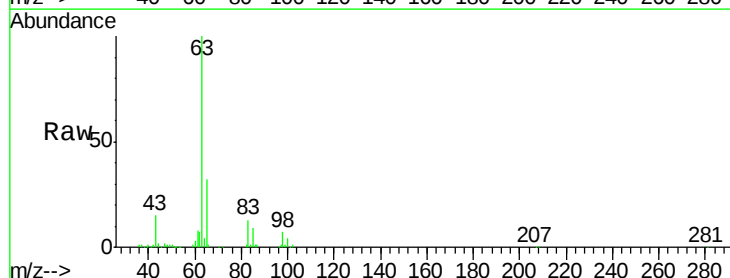
Tgt Ion: 63 Resp: 667387

Ion Ratio Lower Upper

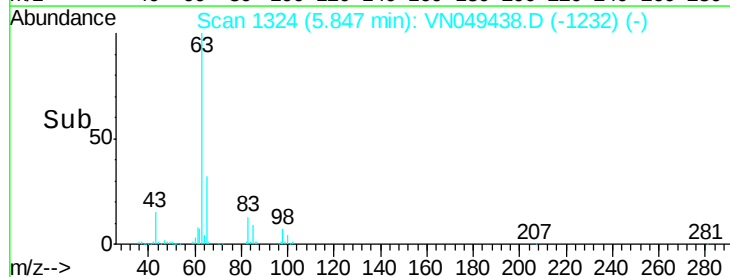
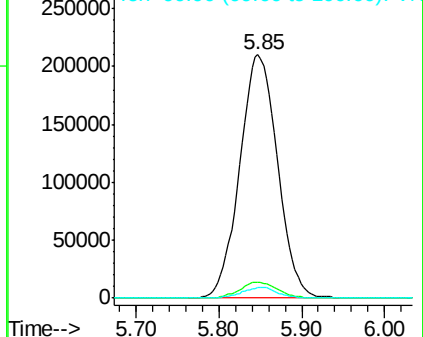
63 100

98 6.5 2.9 8.8

100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049438.D (-1232) (-)





#25

2-Butanone

Concen: 117.62 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

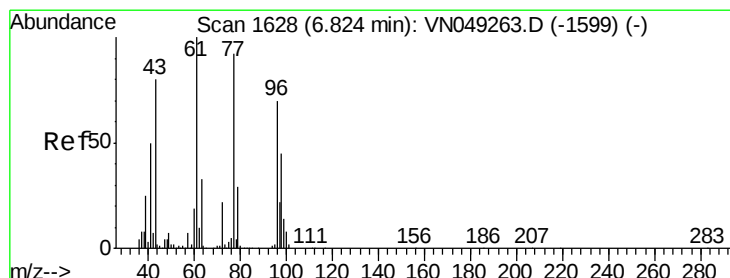
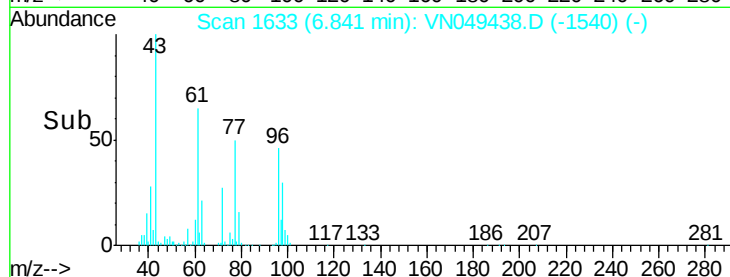
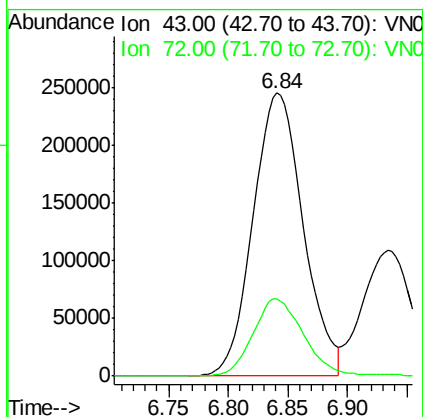
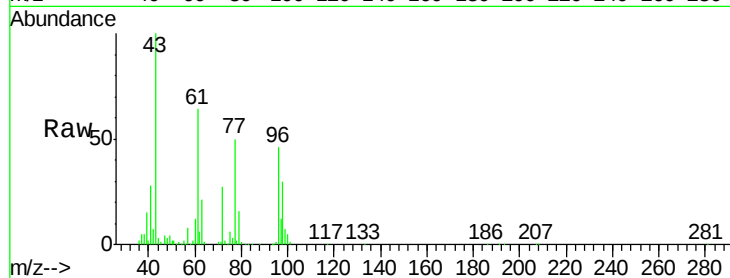
ClientSampleId :

Tot Ion: 43 Resp: 715083

Ion Ratio Lower Upper

43 100

72 27.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.15 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049438.D

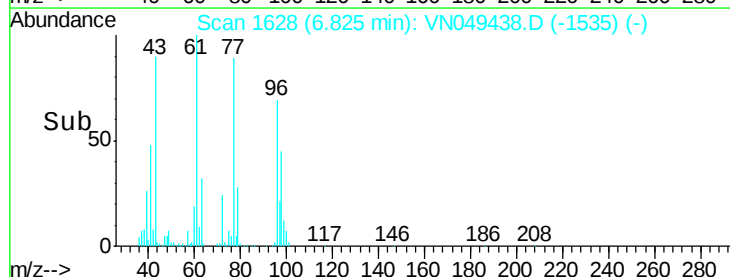
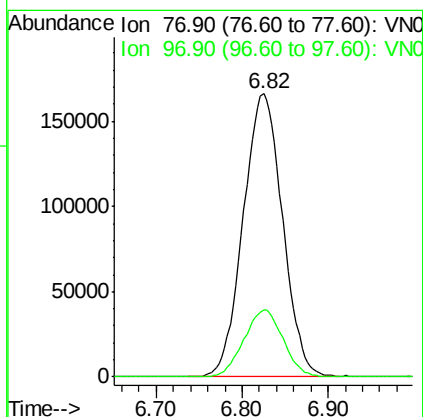
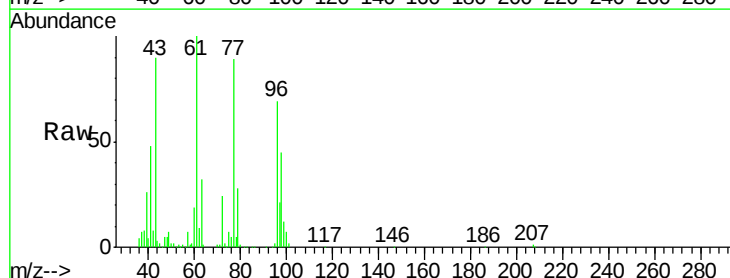
Acq: 20 Jun 2018 16:01

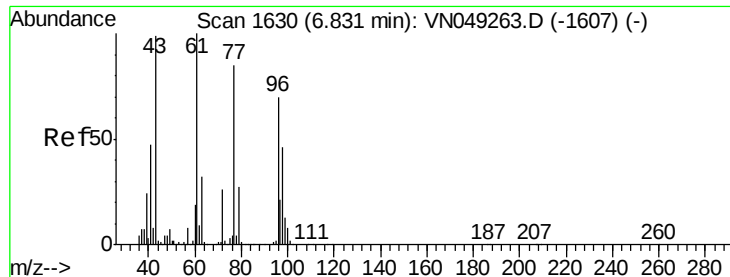
Tgt Ion: 77 Resp: 529334

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 20.74 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampled :

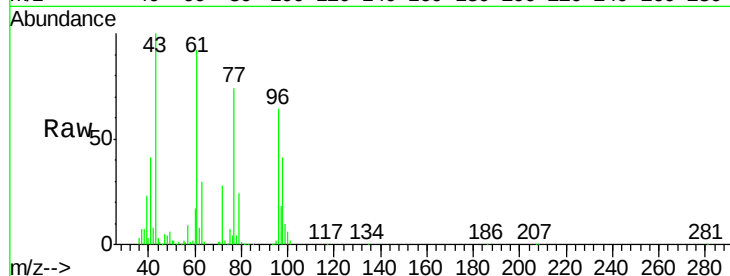
Tot Ion: 96 Resp: 393567

Ion Ratio Lower Upper

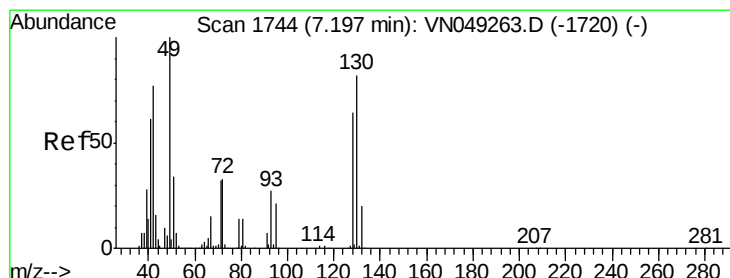
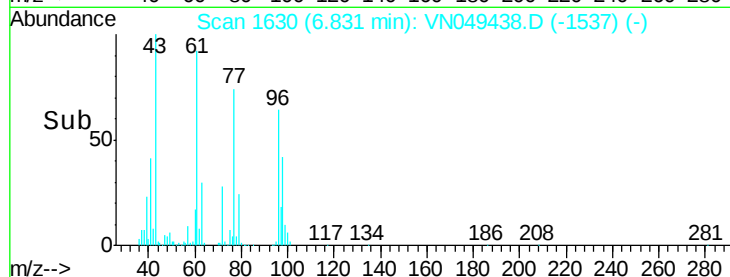
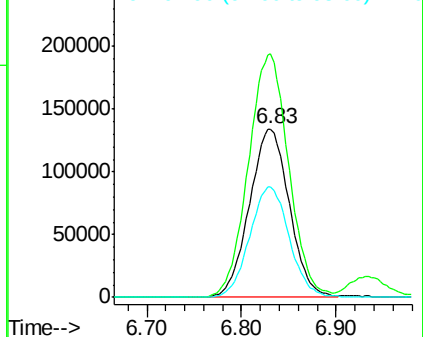
96 100

61 145.8 0.0 316.4

98 65.0 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: 22.56 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

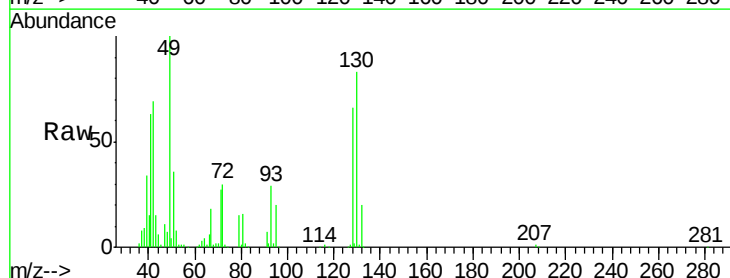
Tgt Ion: 49 Resp: 325376

Ion Ratio Lower Upper

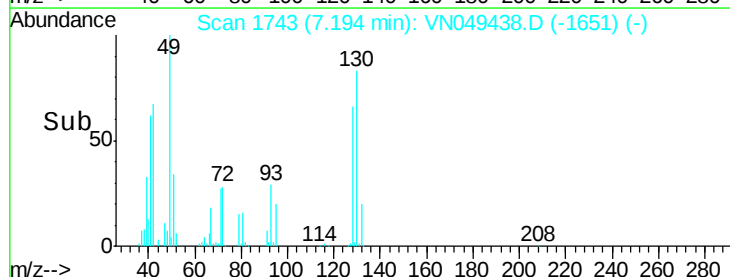
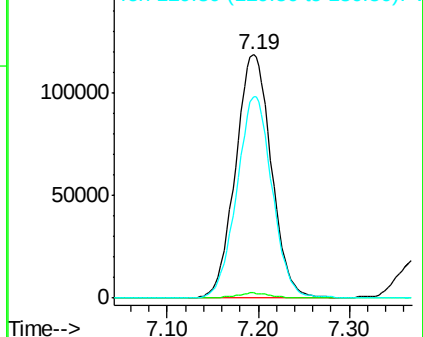
49 100

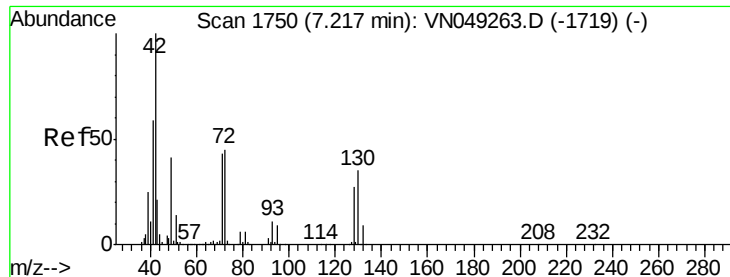
129 2.0 0.0 3.8

130 81.4 54.9 82.3



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





#29

Tetrahydrofuran

Concen: 116.90 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

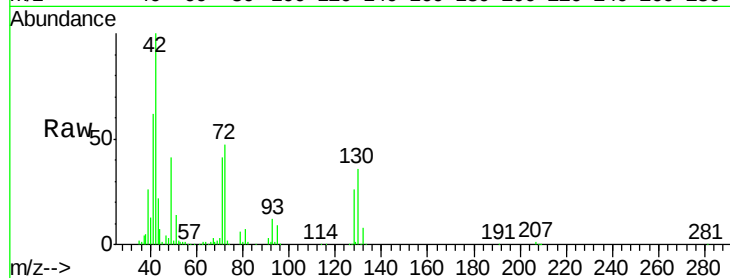
Tot Ion: 42 Resp: 457472

Ion Ratio Lower Upper

42 100

72 45.2 32.2 48.4

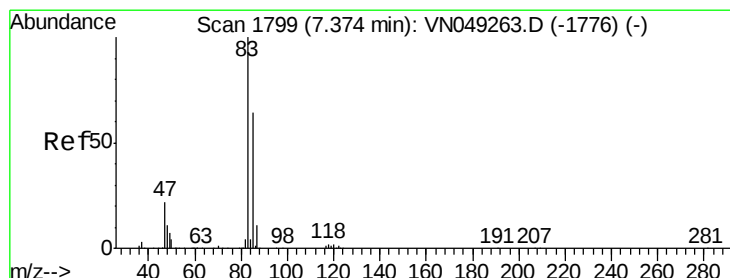
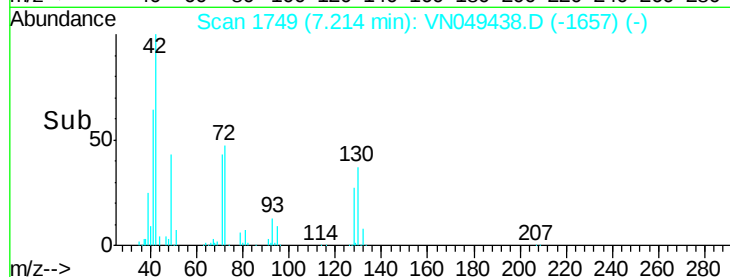
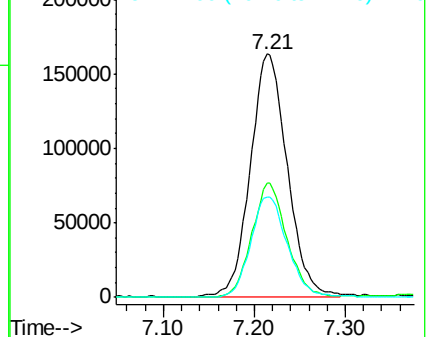
71 41.3 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.97 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049438.D

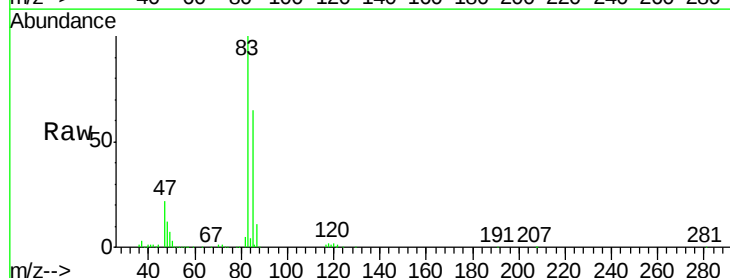
Acq: 20 Jun 2018 16:01

Tgt Ion: 83 Resp: 679092

Ion Ratio Lower Upper

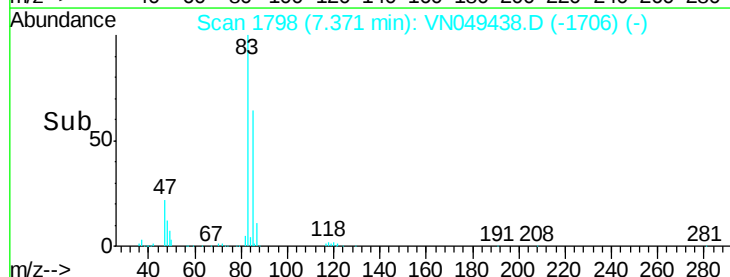
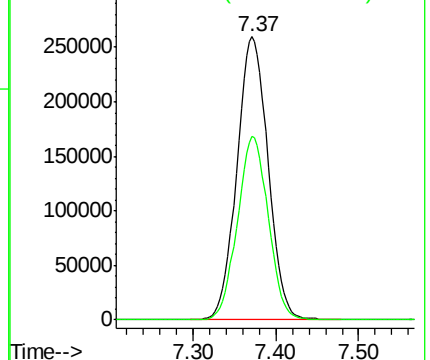
83 100

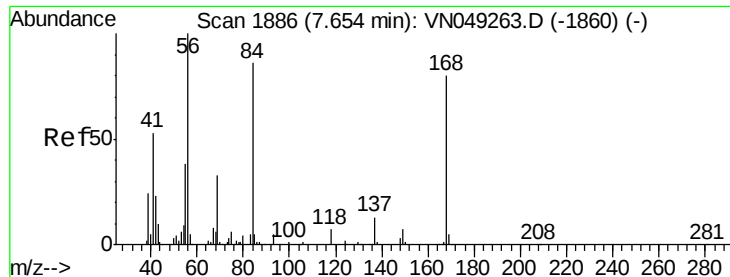
85 64.7 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

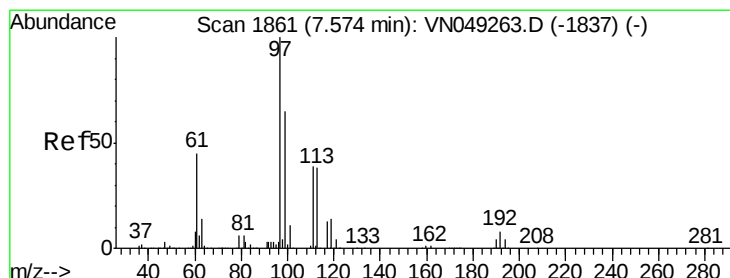
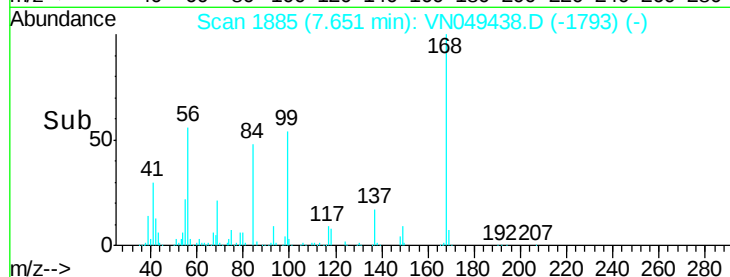
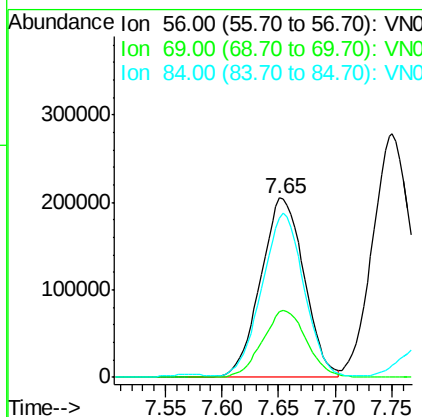
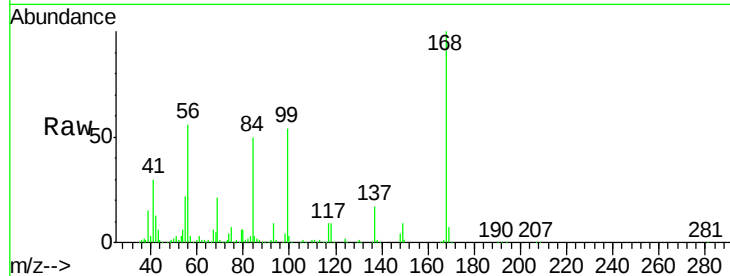




#31
Cyclohexane
Concen: 19.74 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

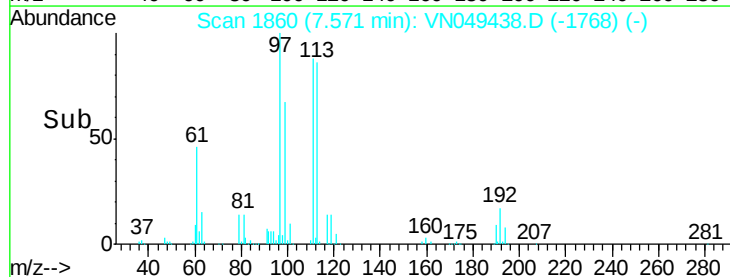
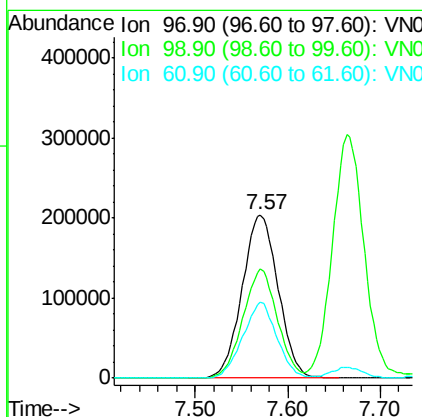
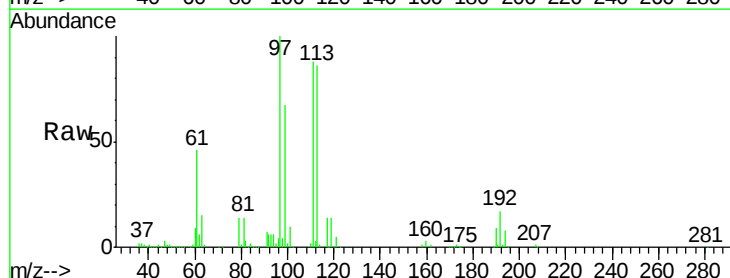
Instrument :
MSVOA_N
ClientSampled :

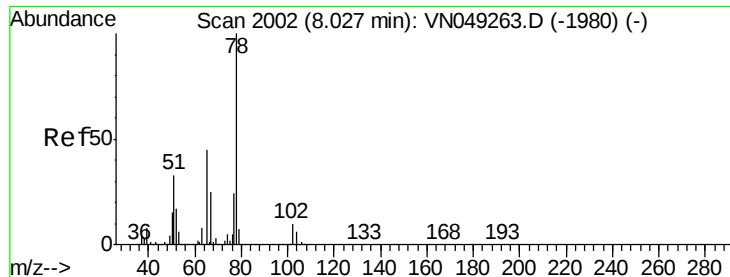
Tot Ion	56	Resp	547429
Ion Ratio	Lower	Upper	
56	100		
69	36.8	25.0	37.4
84	87.4	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.87 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	97	Resp	548968
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.5	75.7
61	44.0	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 54.81 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

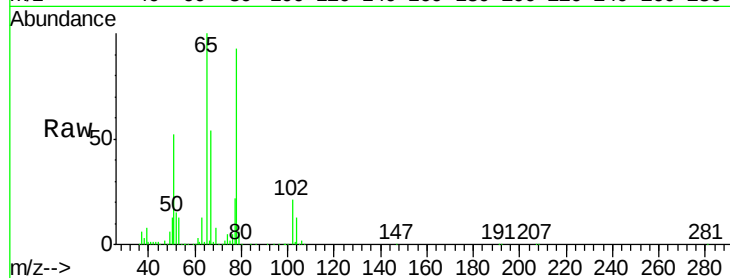
Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 1022102

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

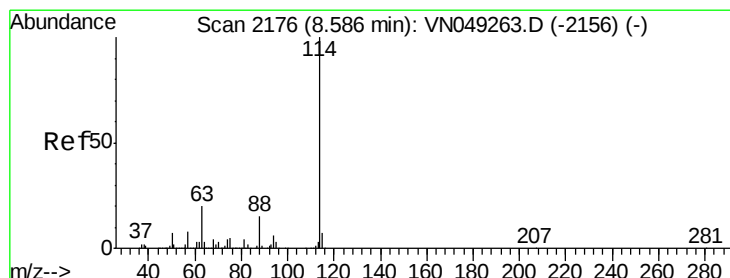
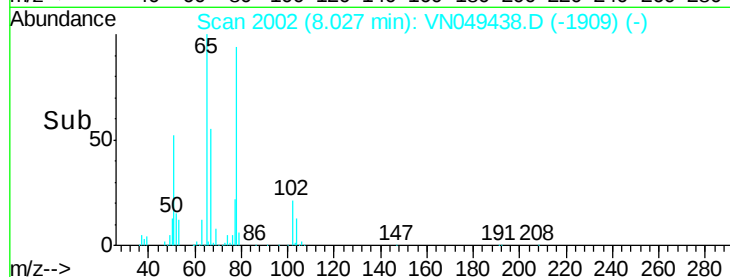
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

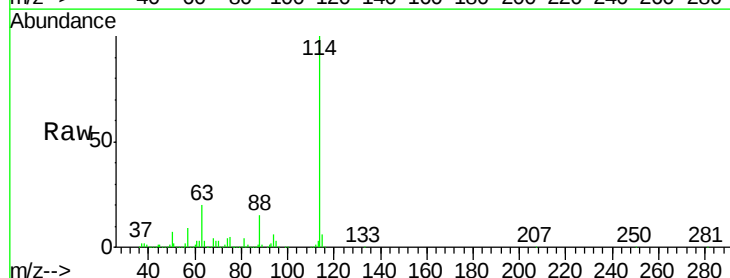
Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion: 114 Resp: 2142118

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.4
88	15.4	0.0	31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

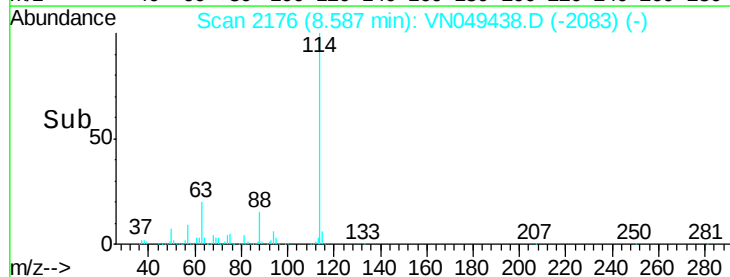
8.59

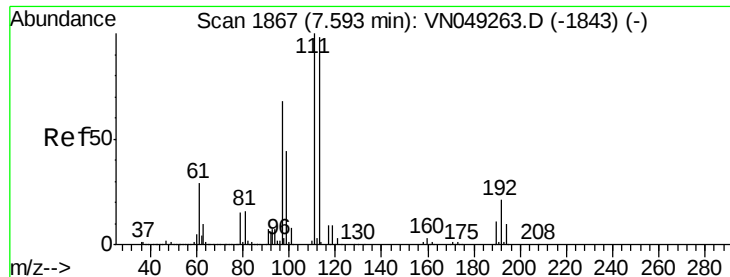
1000000

500000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 51.99 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :

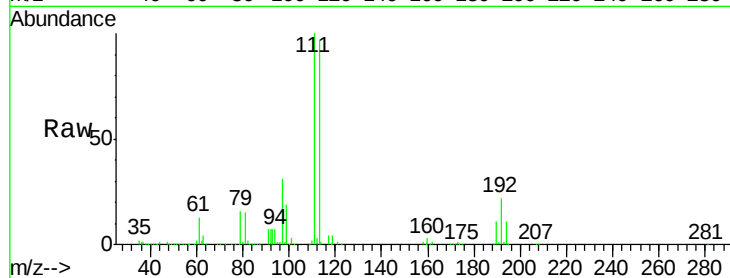
Tot Ion:113 Resp: 900950

Ion Ratio Lower Upper

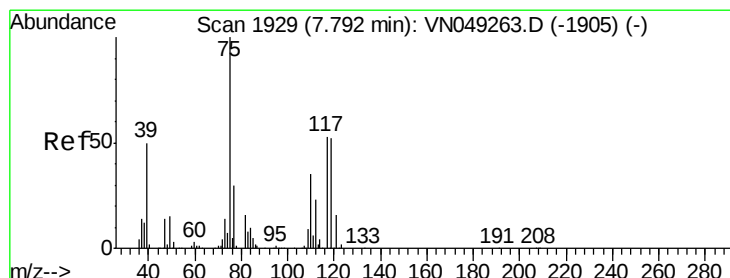
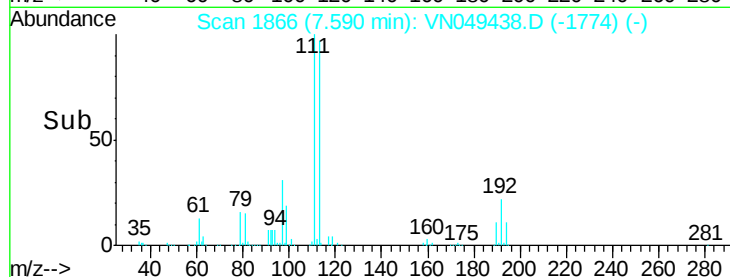
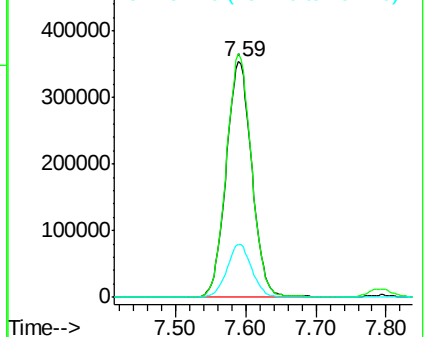
113 100

111 101.4 82.4 123.6

192 21.8 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: 19.30 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

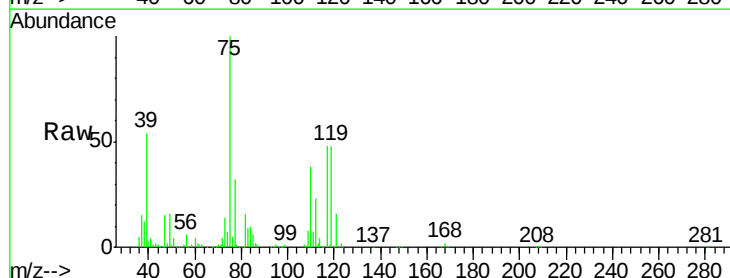
Tgt Ion: 75 Resp: 473866

Ion Ratio Lower Upper

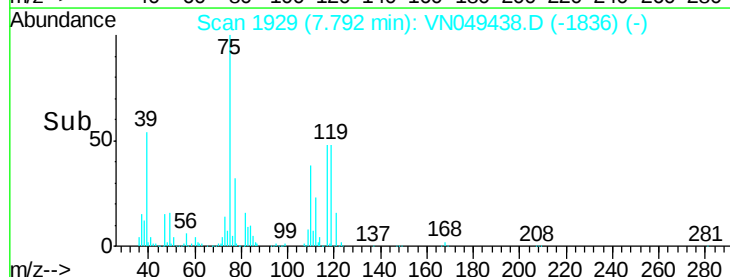
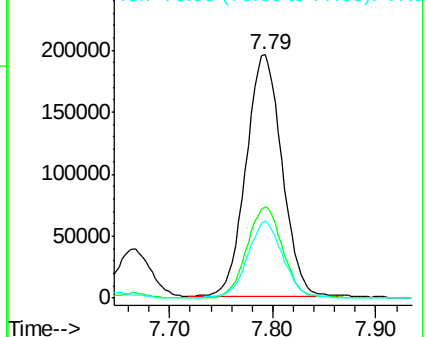
75 100

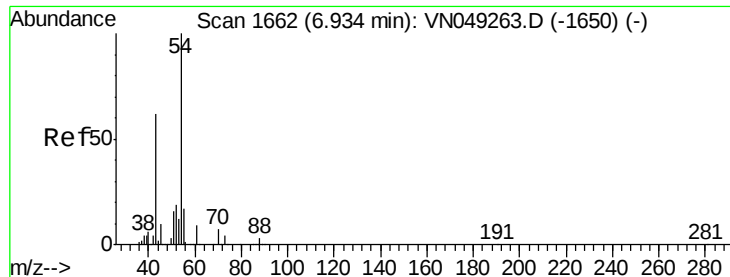
110 37.7 17.0 50.9

77 31.6 24.4 36.6



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

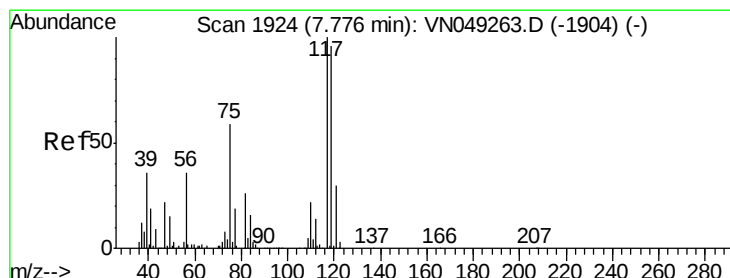
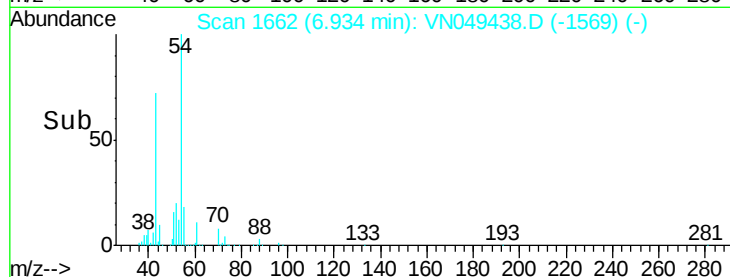
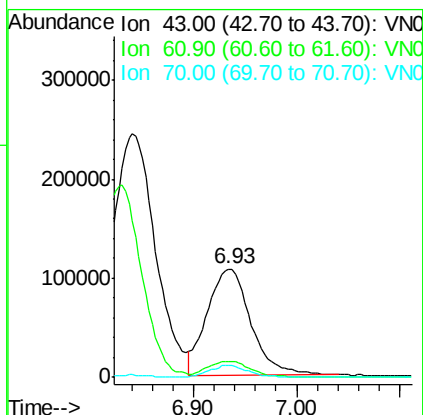
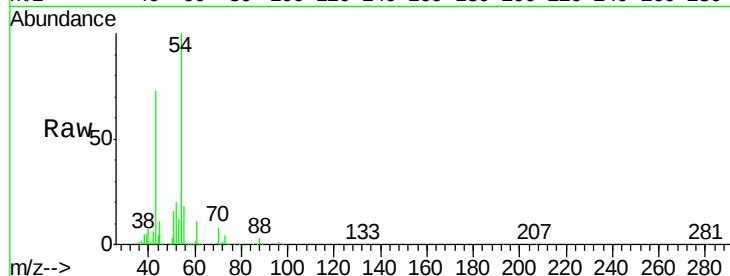




#37
Ethyl Acetate
Concen: 23.84 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

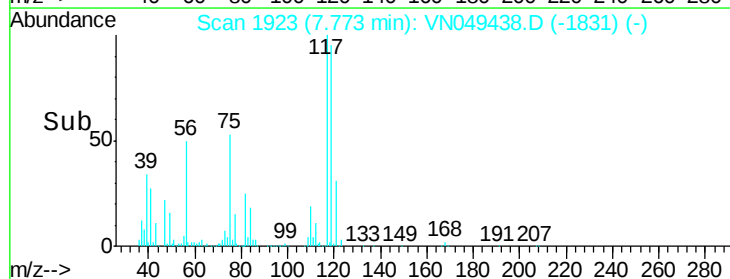
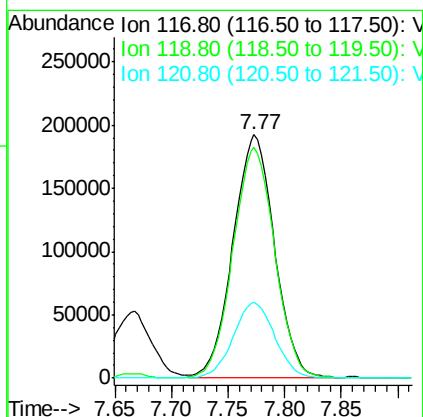
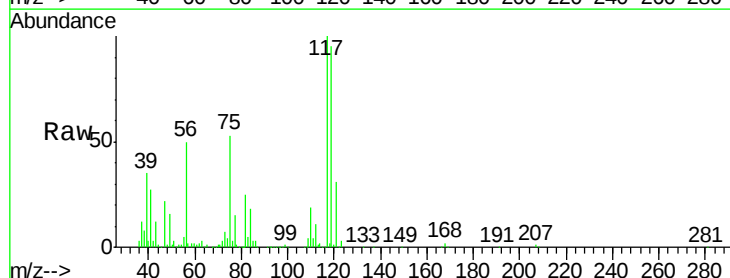
Instrument :
MSVOA_N
ClientSampled :

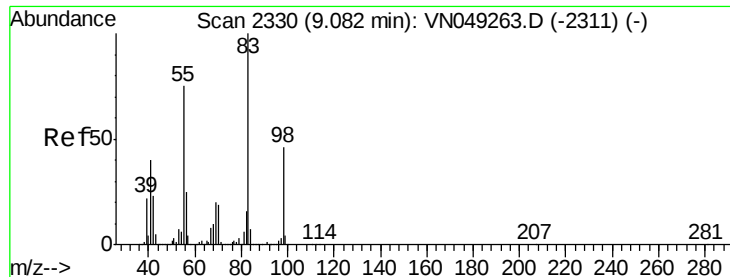
Tot Ion: 43 Resp: 318212
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.18 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 117 Resp: 487507
Ion Ratio Lower Upper
117 100
119 94.6 75.6 113.4
121 31.3 24.7 37.1

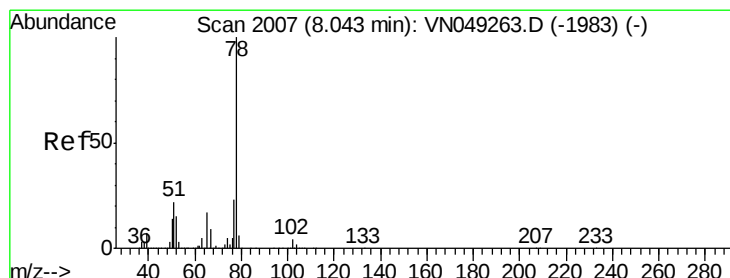
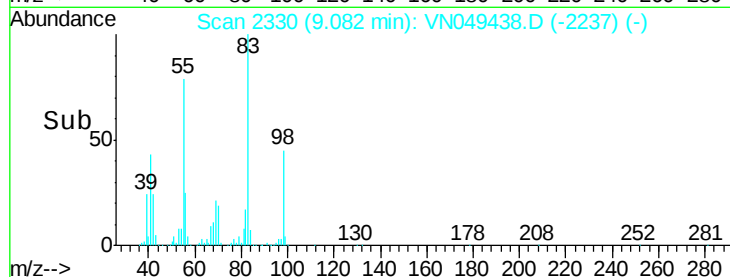
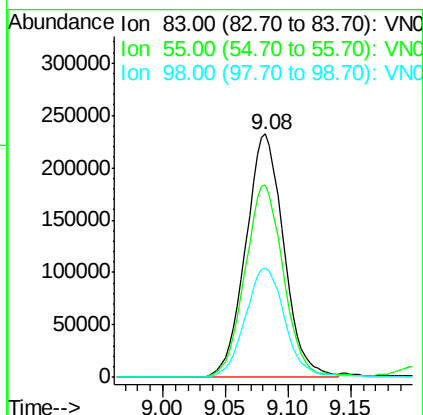
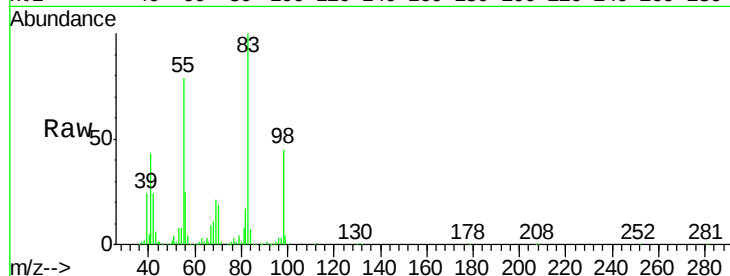




#39
Methvlcvclohexane
Concen: 18.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

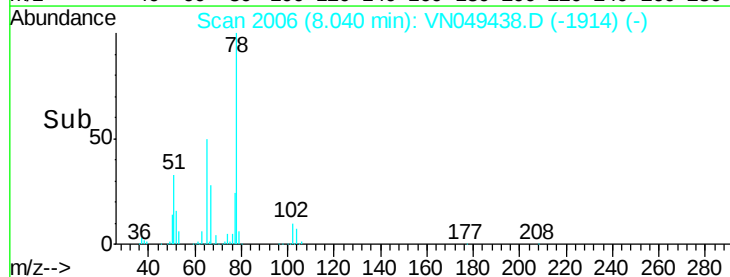
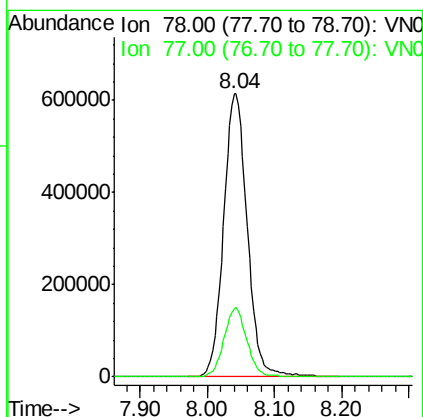
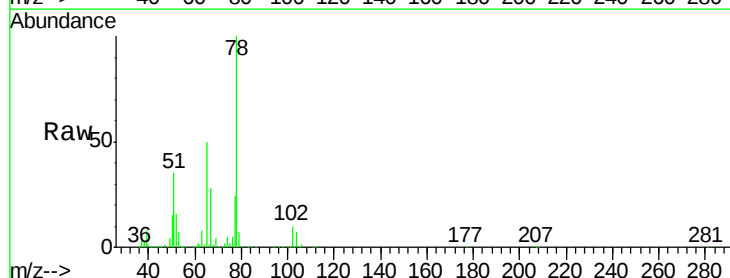
Instrument :
MSVOA_N
ClientSampled :

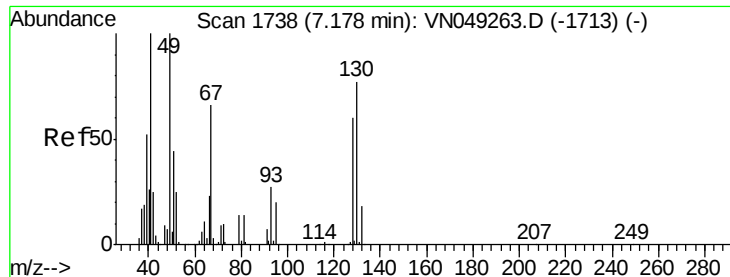
Tot Ion: 83 Resp: 492140
Ion Ratio Lower Upper
83 100
55 79.0 65.1 97.7
98 44.9 36.5 54.7



#40
Benzene
Concen: 20.00 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 78 Resp: 1505437
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

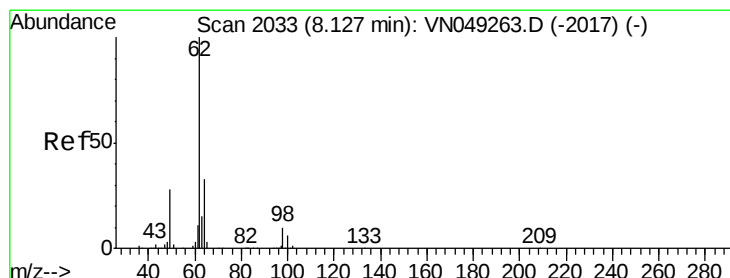
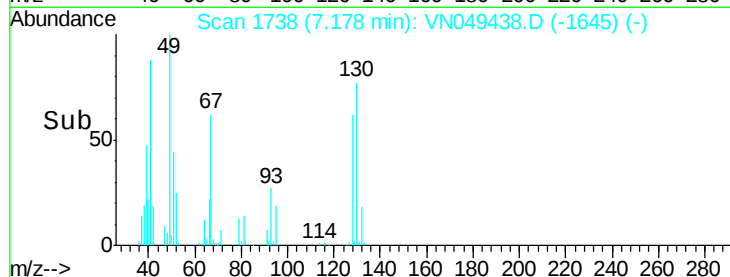
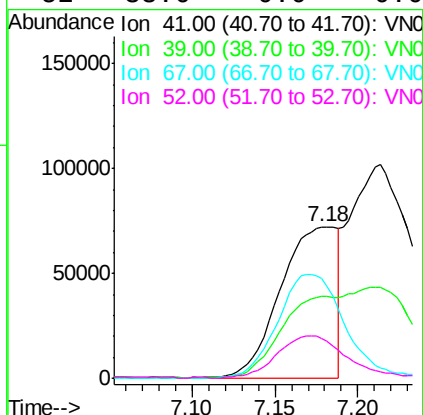
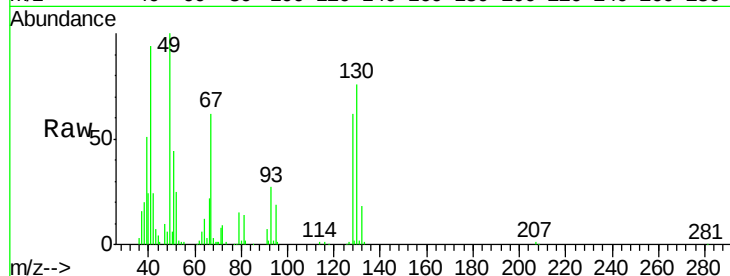




#41
Methacrylonitrile
Concen: 23.74 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

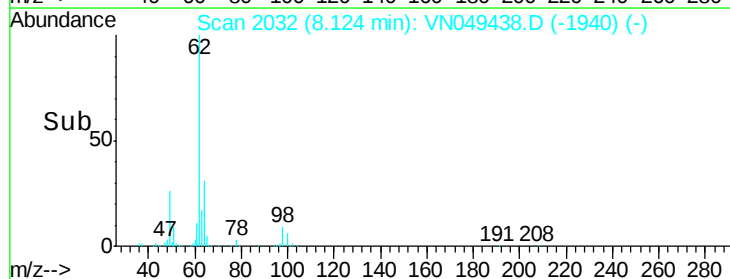
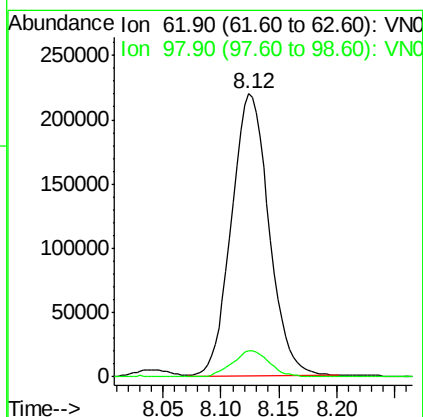
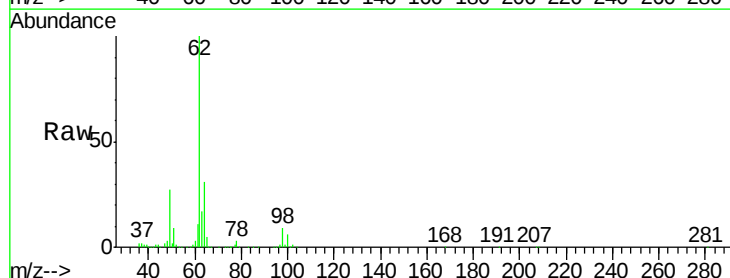
Instrument :
MSVOA_N
ClientSampled :

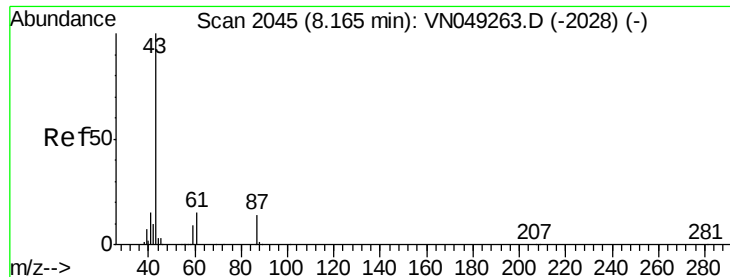
Tot Ion:	41	Resp:	171310
Ion	Ratio	Lower	Upper
41	100		
39	54.2	0.0	0.0#
67	82.0	0.0	0.0#
52	33.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 21.16 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:	62	Resp:	491980
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2



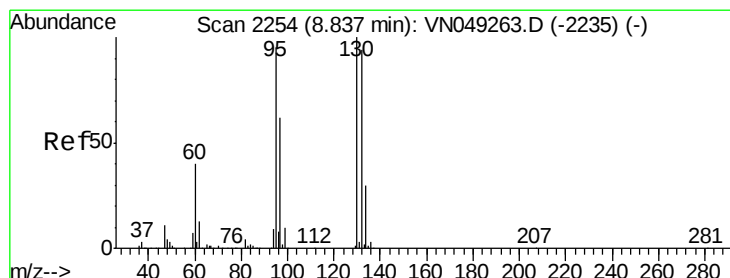
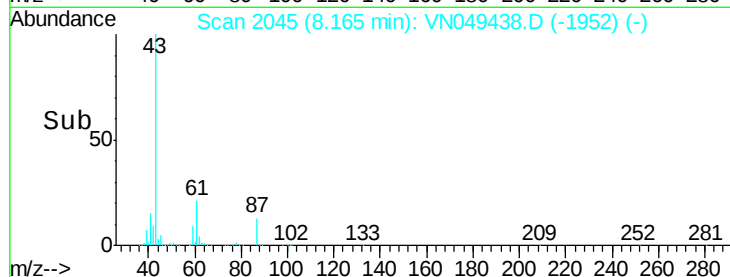
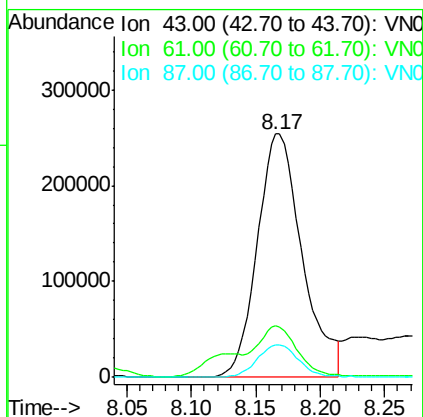
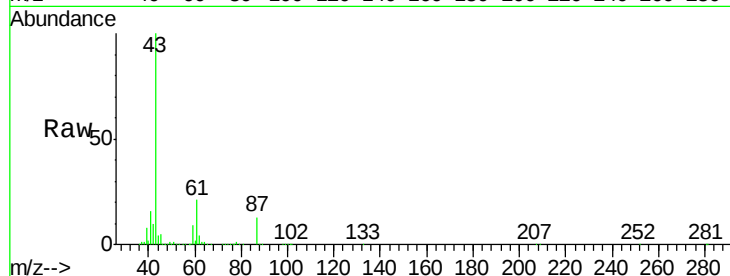


#43

Isopropyl Acetate
 Concen: 24.10 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :

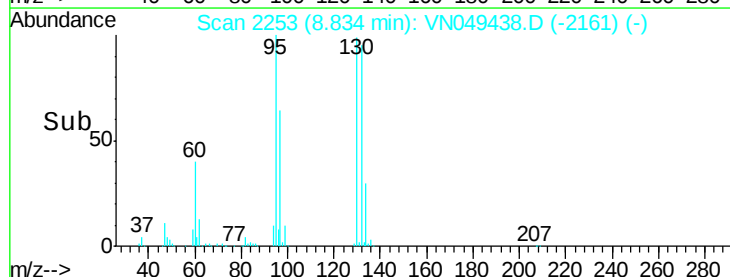
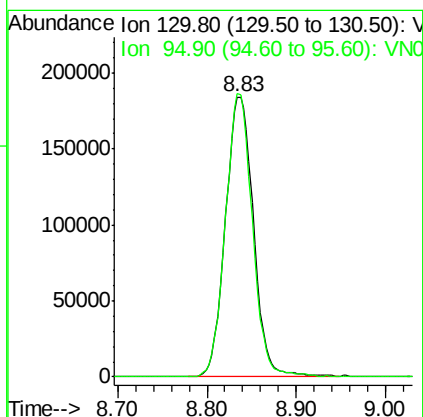
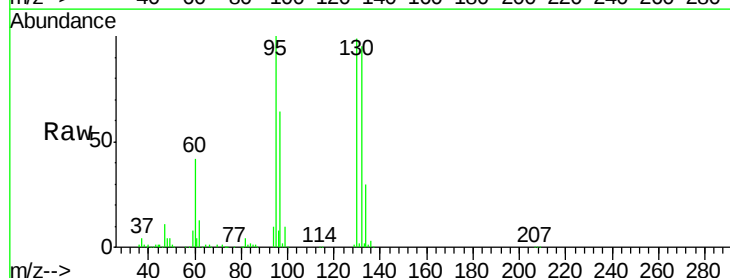
Tot Ion	43	Resp	614528
Ion Ratio	Lower	Upper	
43	100		
61	17.9	14.2	21.4
87	12.6	9.4	14.0

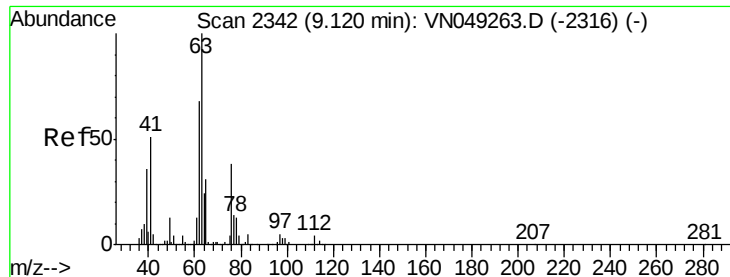


#44

Trichloroethene
 Concen: 20.20 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	130	Resp	401557
Ion Ratio	Lower	Upper	
130	100		
95	101.2	0.0	208.6

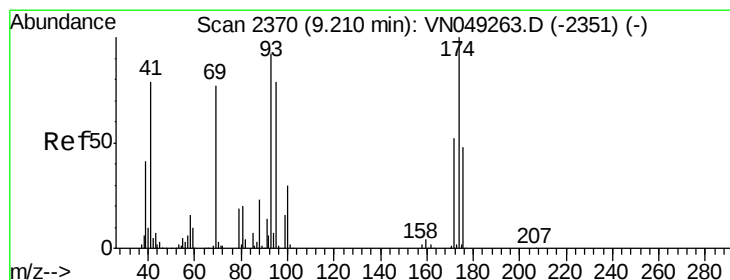
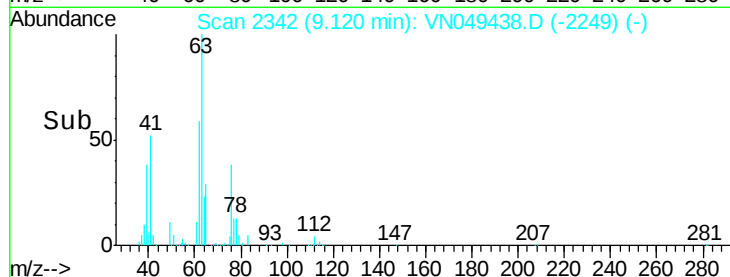
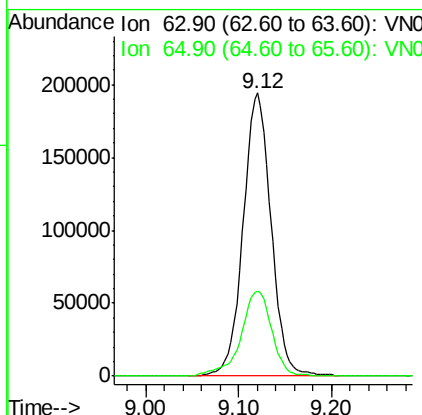
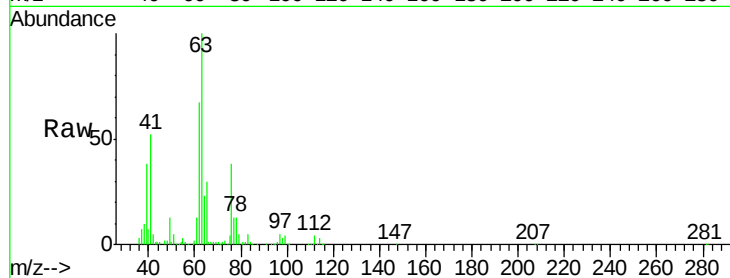




#45
 1,2-Dichloropropane
 Concen: 20.56 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

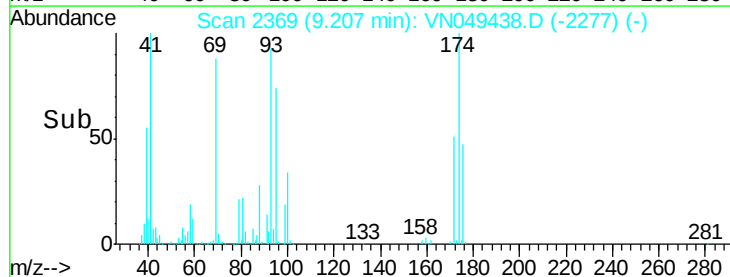
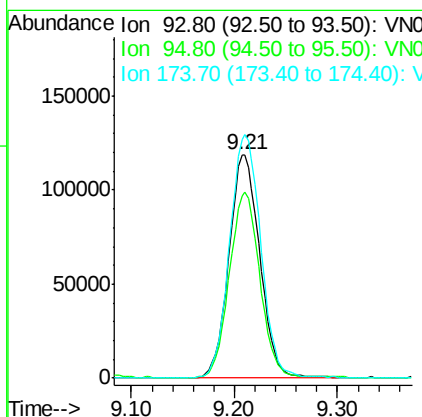
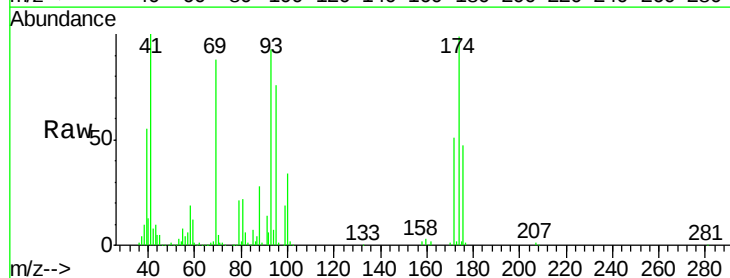
Instrument :
 MSVOA_N
 ClientSampleId :

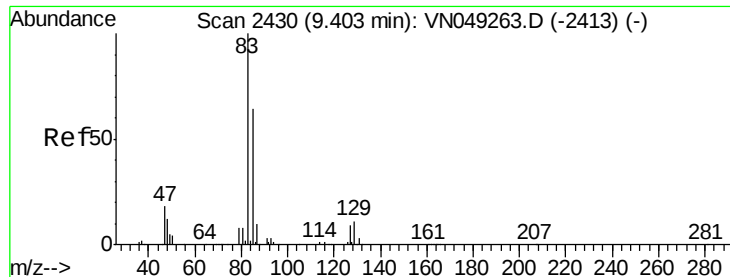
Tot Ion: 63 Resp: 405254
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2



#46
 Dibromomethane
 Concen: 21.71 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion: 93 Resp: 248089
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.2 100.8
 174 109.3 75.6 113.4





#47

Bromodichloromethane

Concen: 20.68 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :

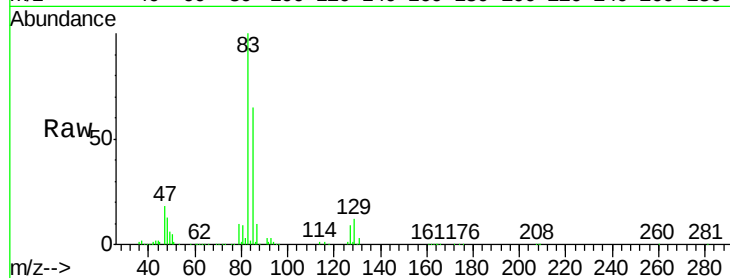
Tot Ion: 83 Resp: 519212

Ion Ratio Lower Upper

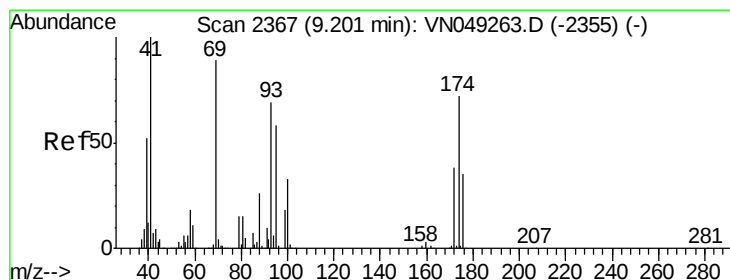
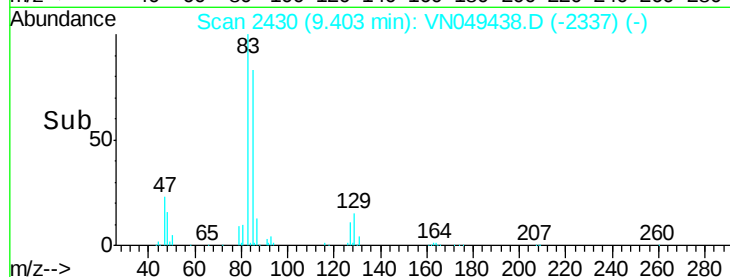
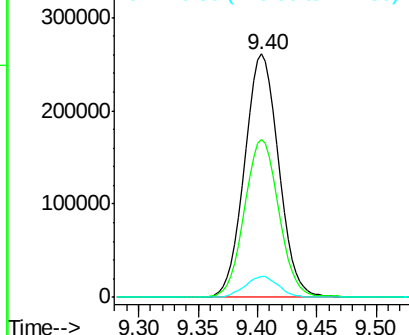
83 100

85 65.0 49.4 74.0

127 8.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.15 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

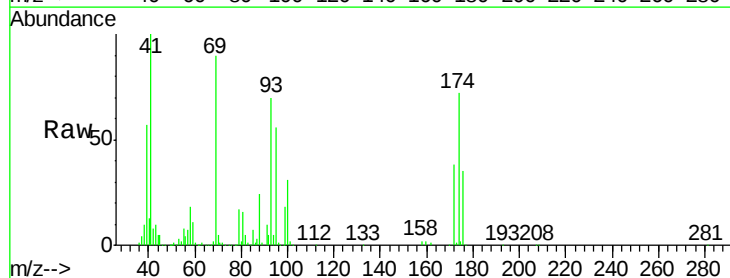
Tgt Ion: 41 Resp: 277945

Ion Ratio Lower Upper

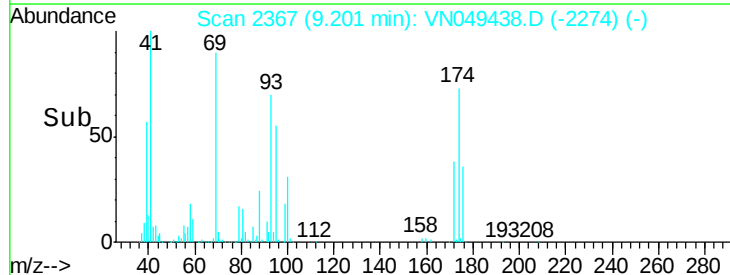
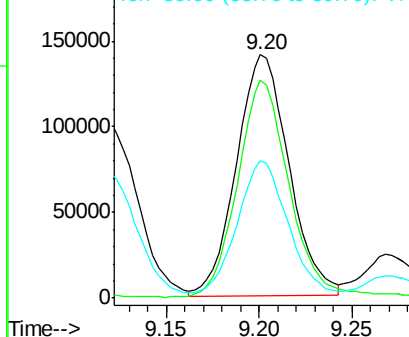
41 100

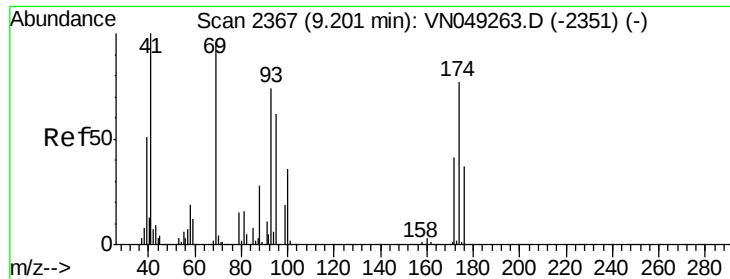
69 88.9 62.0 93.0

39 54.6 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

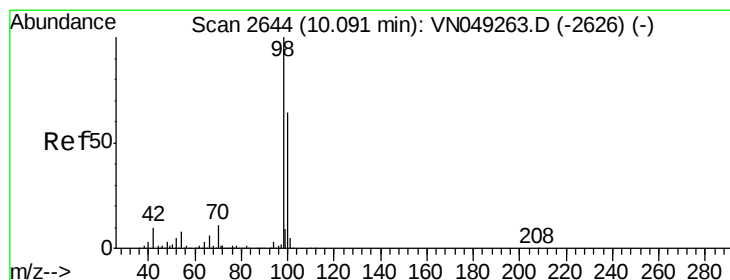
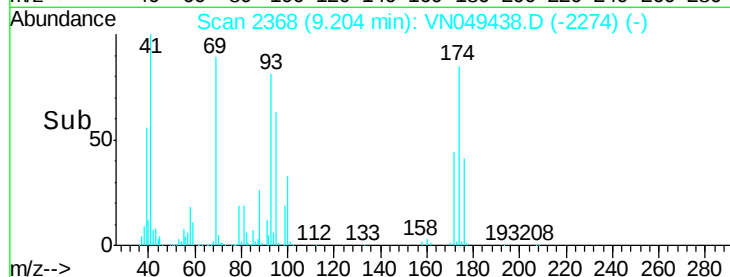
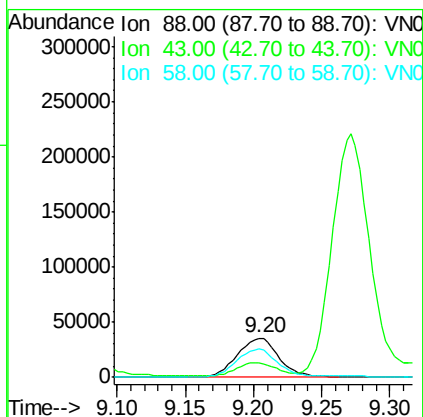
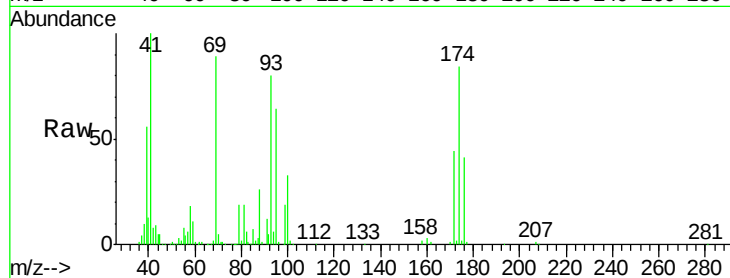




#49
1,4-Dioxane
Concen: 459.34 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

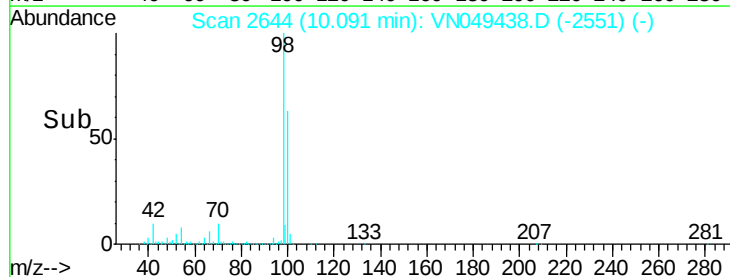
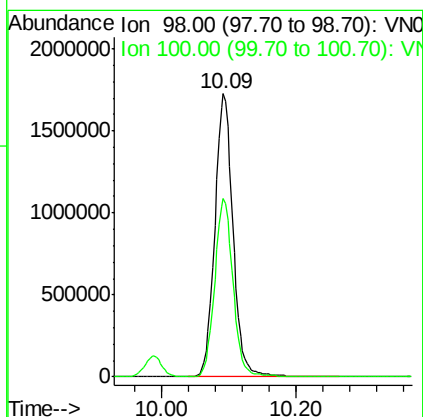
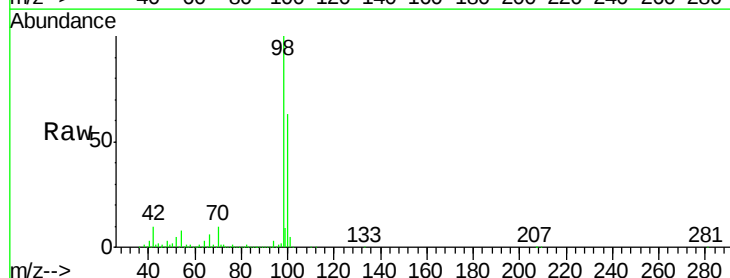
Instrument :
MSVOA_N
ClientSampleId :

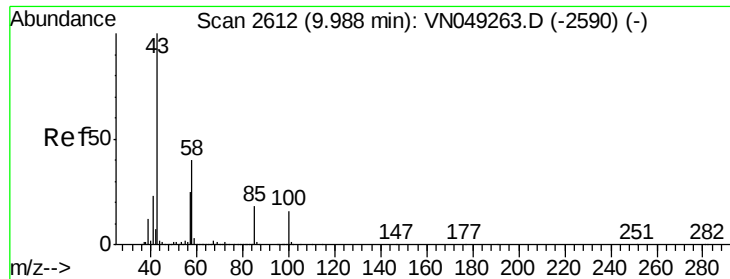
Tot Ion: 88 Resp: 76131
Ion Ratio Lower Upper
88 100
43 31.8 30.9 46.3
58 72.1 58.9 88.3



#50
Toluene-d8
Concen: 49.21 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 98 Resp: 3247488
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 117.99 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

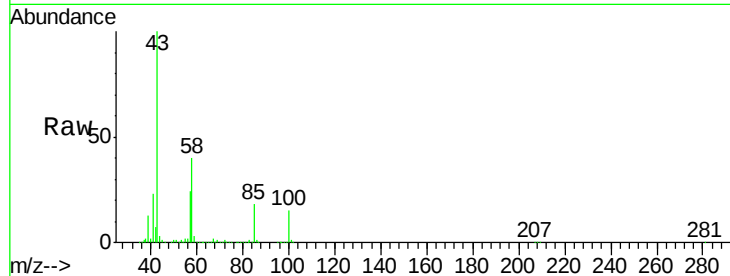
ClientSampleId :

Tot Ion: 43 Resp: 1577035

Ion Ratio Lower Upper

43 100

58 39.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

800000

600000

400000

200000

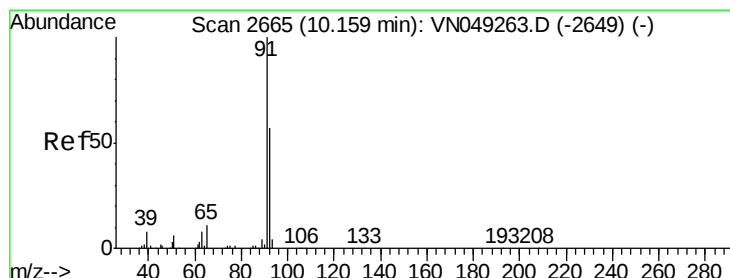
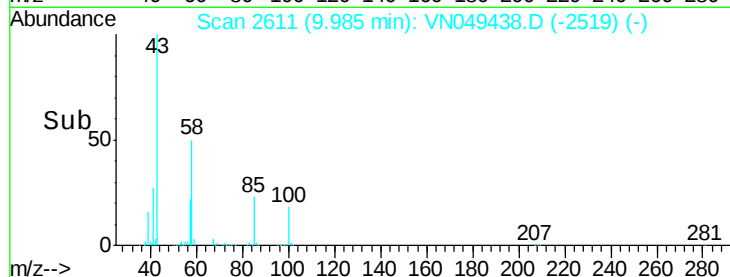
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 20.96 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049438.D

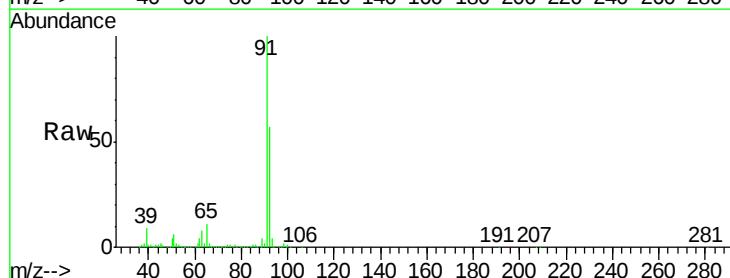
Acq: 20 Jun 2018 16:01

Tgt Ion: 92 Resp: 926066

Ion Ratio Lower Upper

92 100

91 177.3 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)

10.16

800000

600000

400000

200000

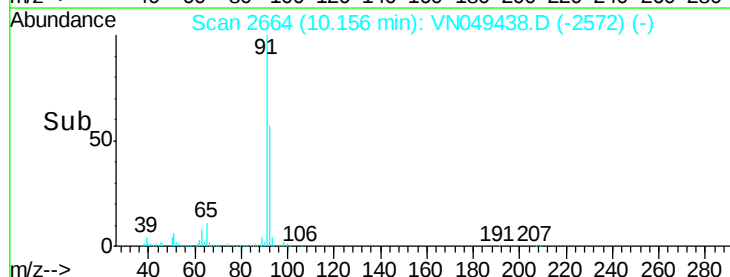
0

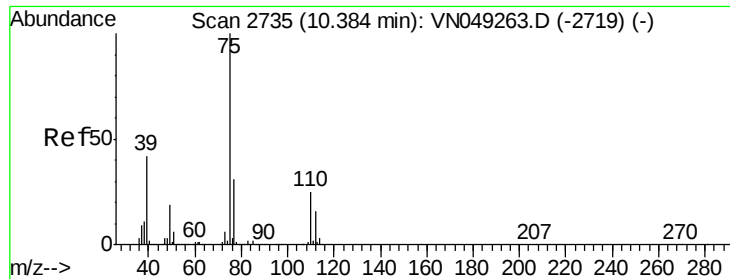
Time-->

10.10

10.20

10.30





#53

t-1,3-Dichloropropene

Concen: 21.45 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

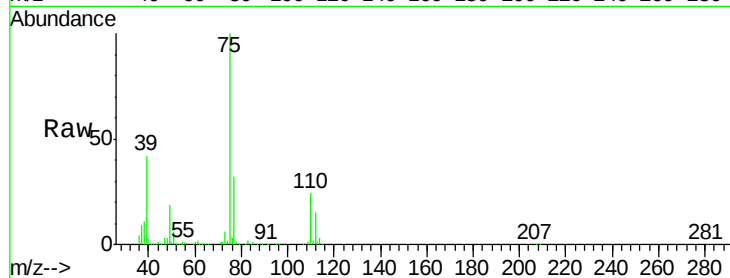
ClientSampleId :

Tot Ion: 75 Resp: 515281

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

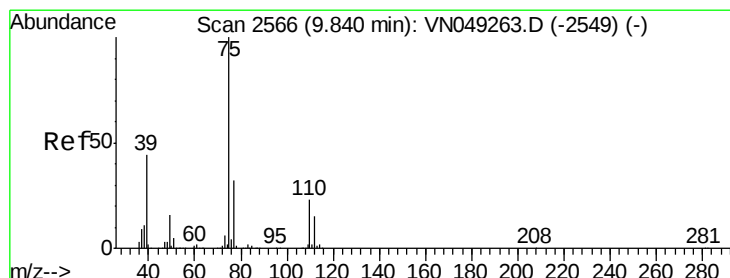
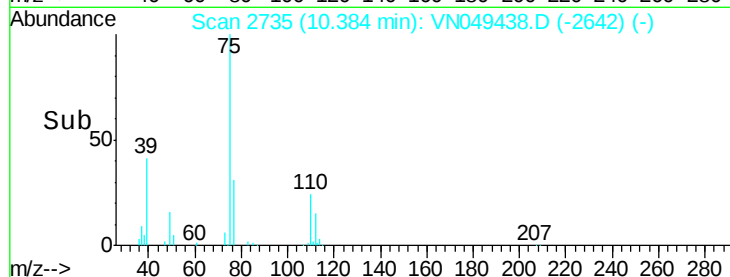
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.93 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

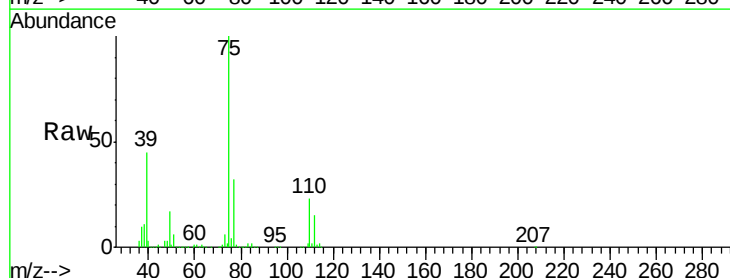
Tgt Ion: 75 Resp: 593629

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 44.6 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

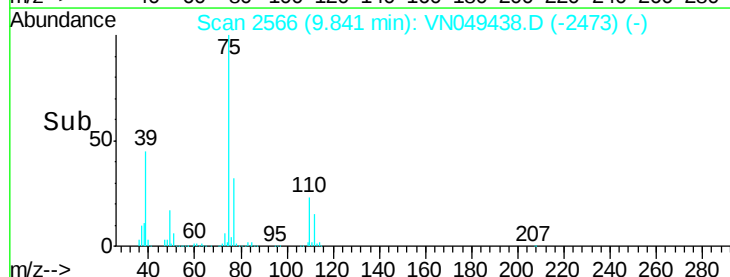
300000

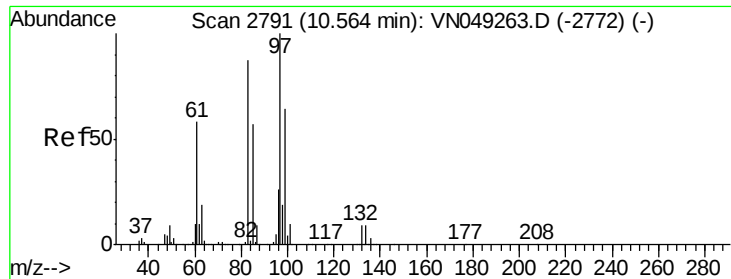
200000

100000

0

Time-->

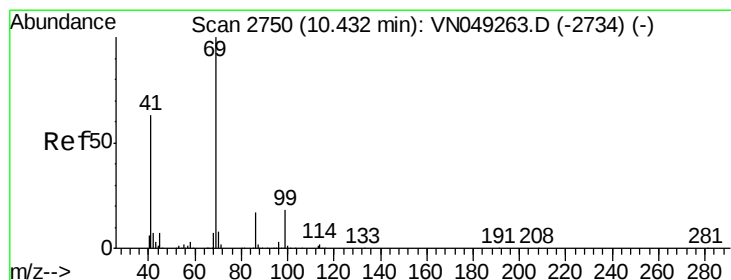
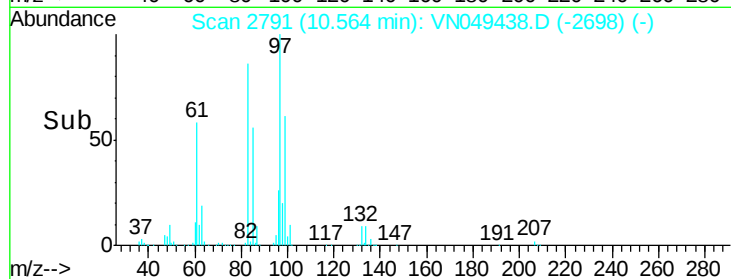
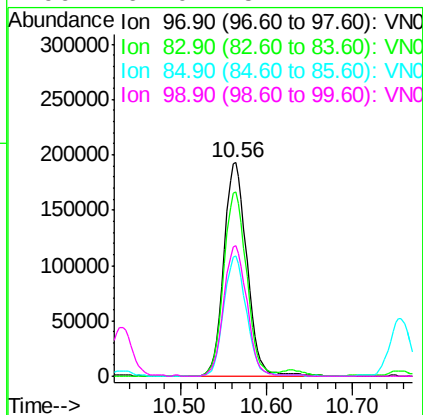
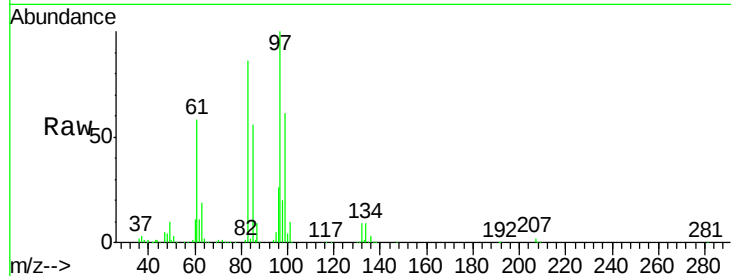




#55
 1,1,2-Trichloroethane
 Concen: 21.92 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

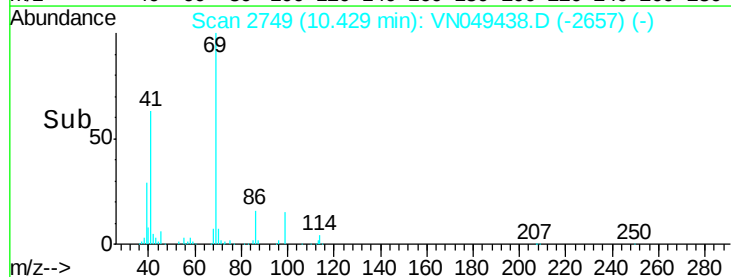
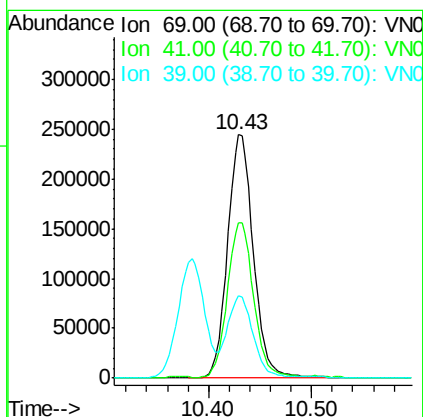
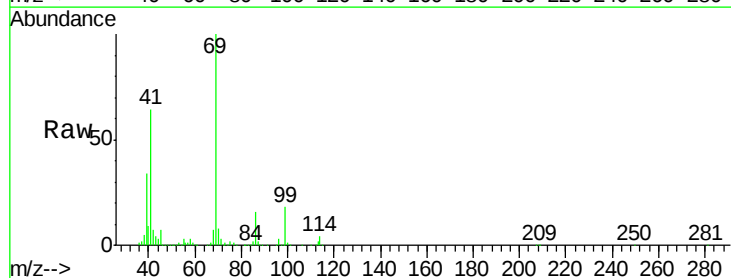
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.5	107.3
85	56.2	47.0	70.4
99	61.0	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 22.52 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	58.4	87.6
39	32.0	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 21.50 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

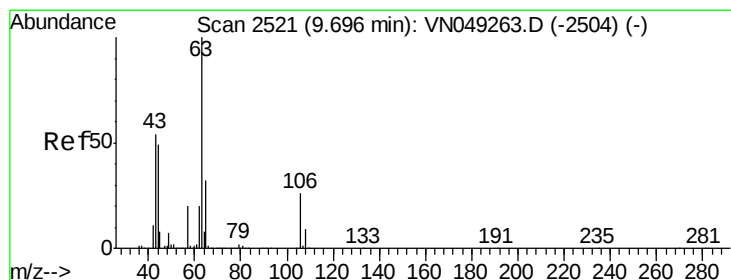
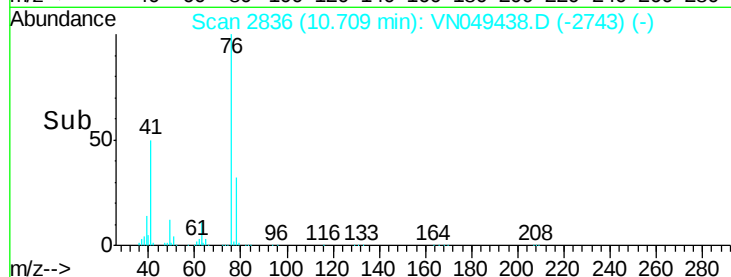
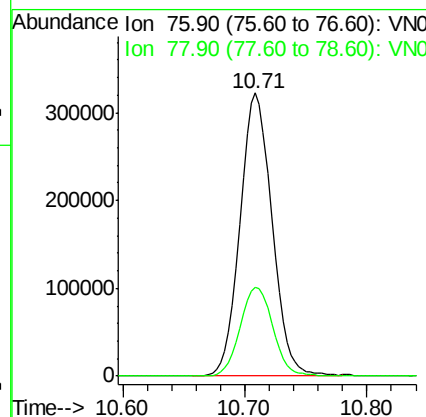
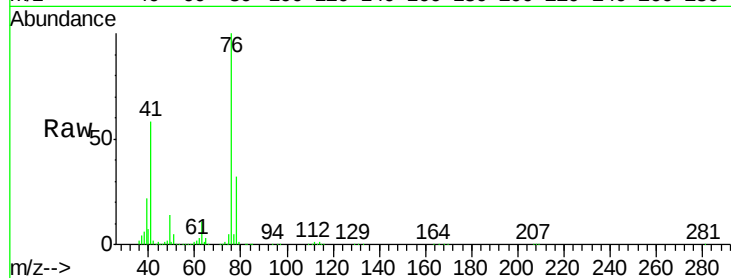
ClientSampled :

Tot Ion: 76 Resp: 586635

Ion Ratio Lower Upper

76 100

78 32.2 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 102.11 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049438.D

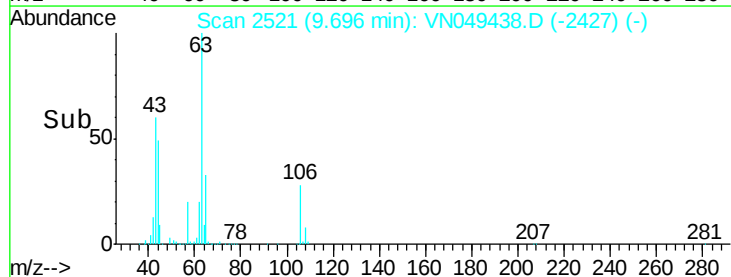
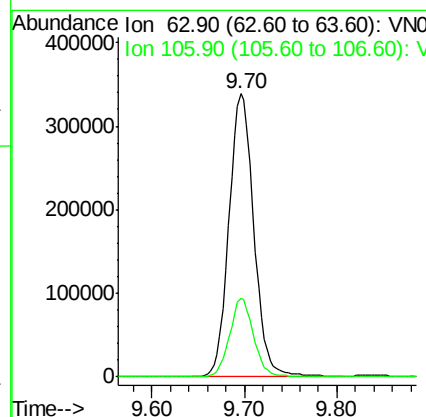
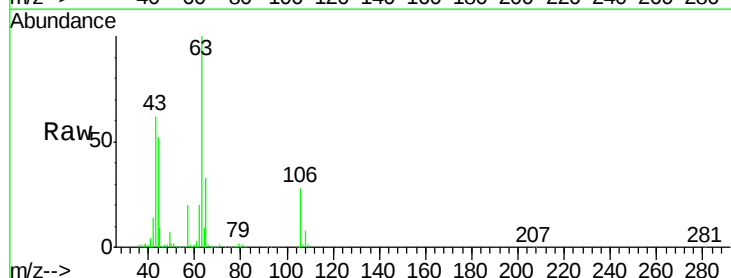
Acq: 20 Jun 2018 16:01

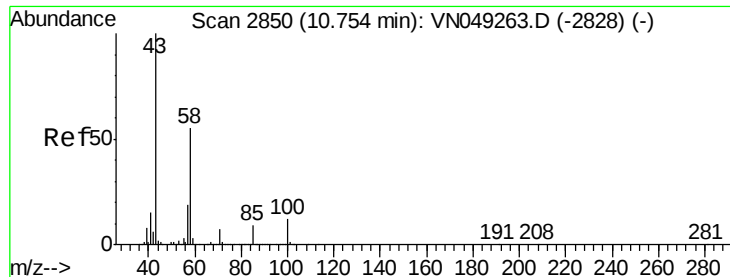
Tgt Ion: 63 Resp: 632494

Ion Ratio Lower Upper

63 100

106 26.6 19.4 29.2

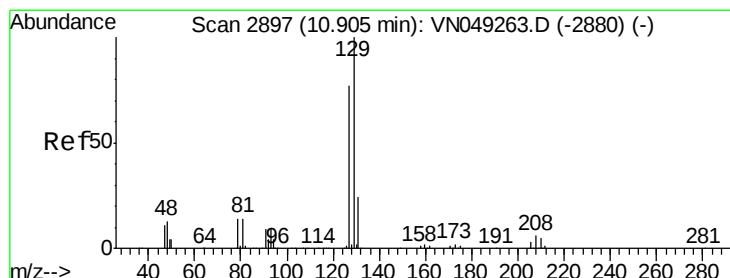
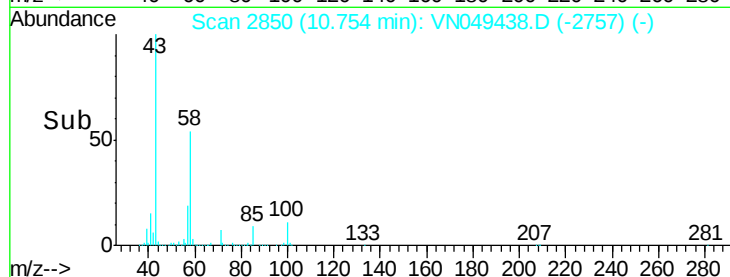
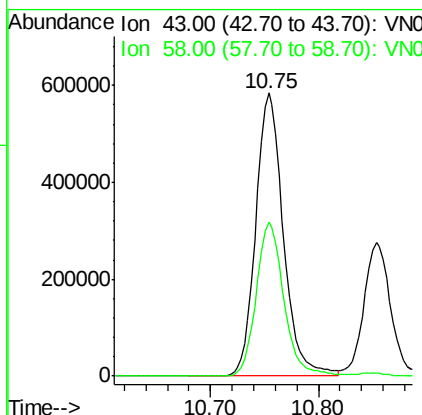
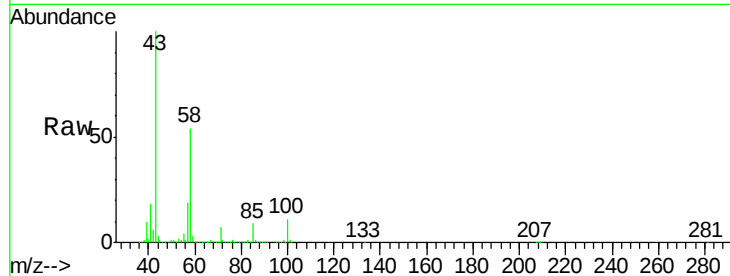




#59
2-Hexanone
Concen: 119.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

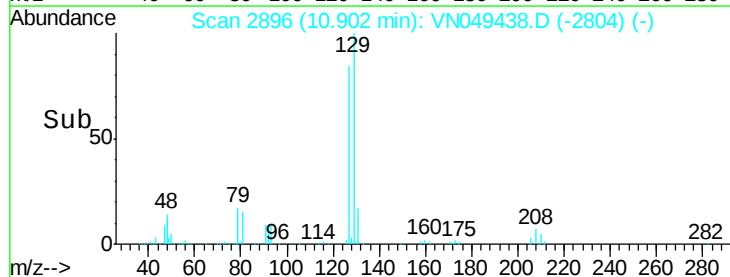
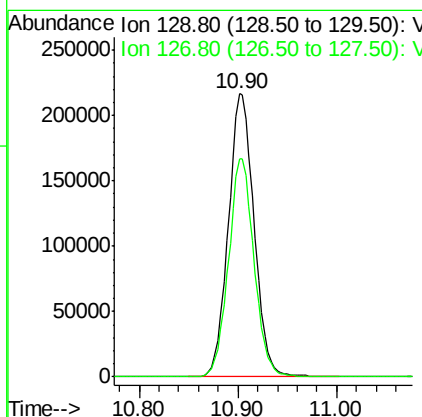
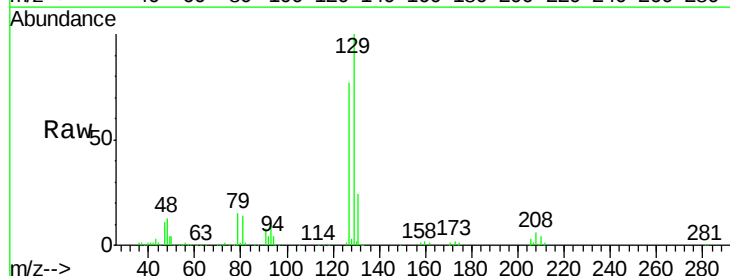
Instrument :
MSVOA_N
ClientSampled :

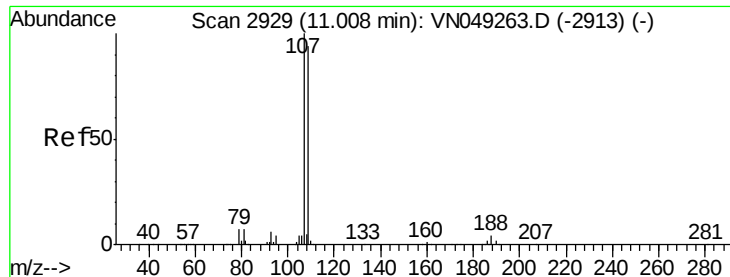
Tot Ion: 43 Resp: 1032031
Ion Ratio Lower Upper
43 100
58 54.6 25.2 75.6



#60
Dibromochloromethane
Concen: 21.49 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion: 129 Resp: 394910
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2

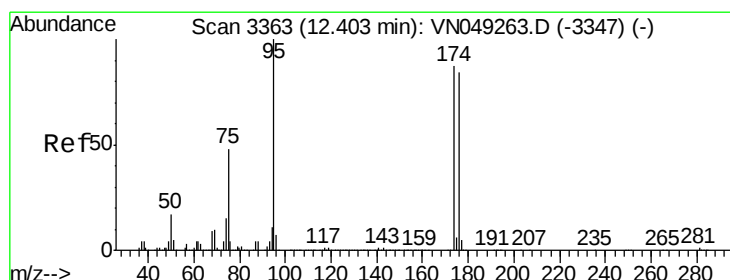
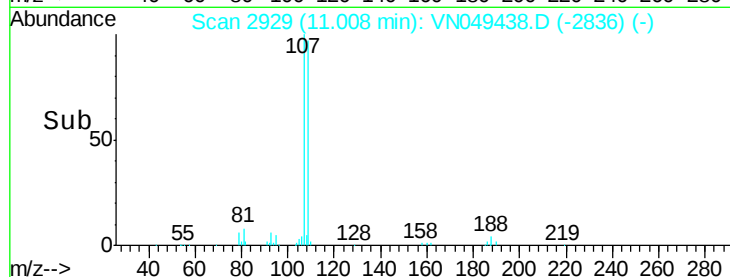
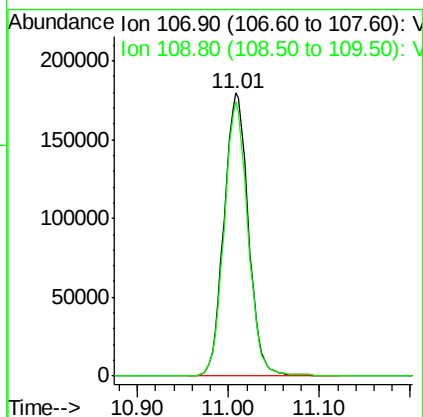
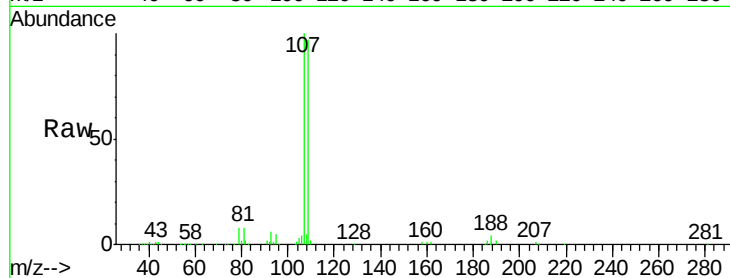




#61
 1,2-Dibromoethane
 Concen: 21.90 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

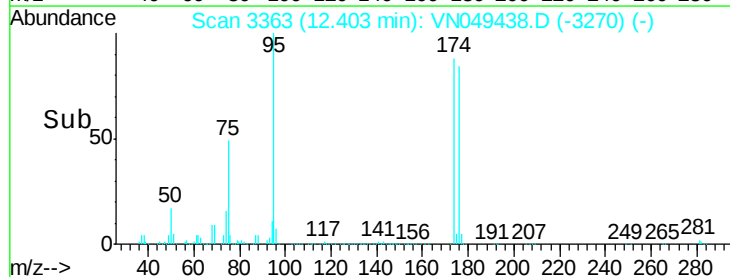
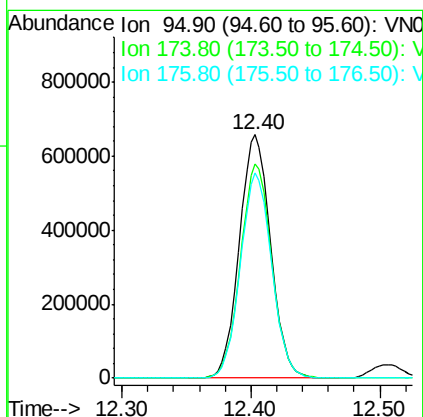
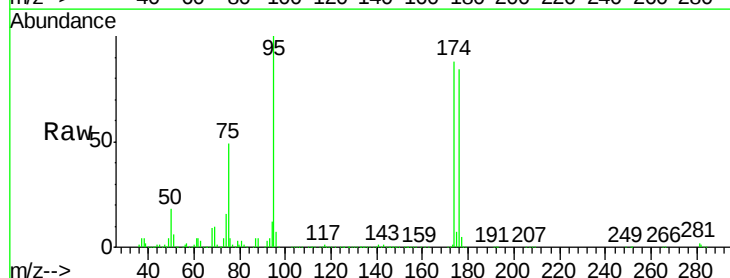
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 335219
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.76 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion: 95 Resp: 1107653
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 165.6
 176 84.5 0.0 157.4

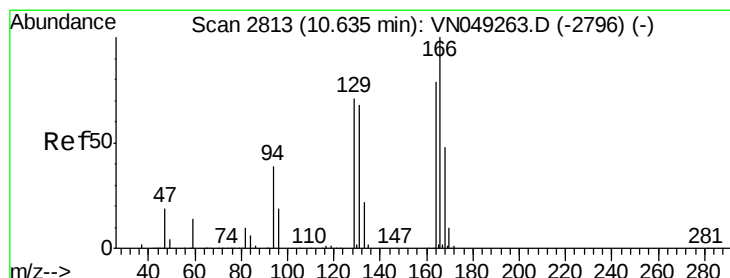
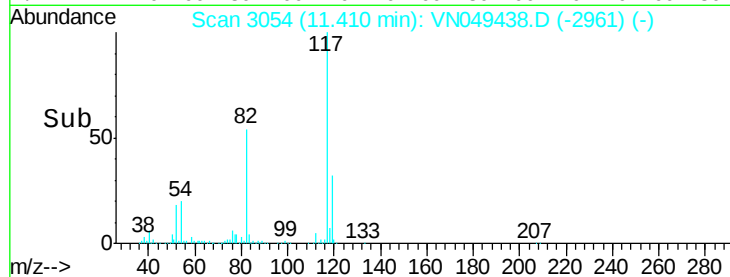
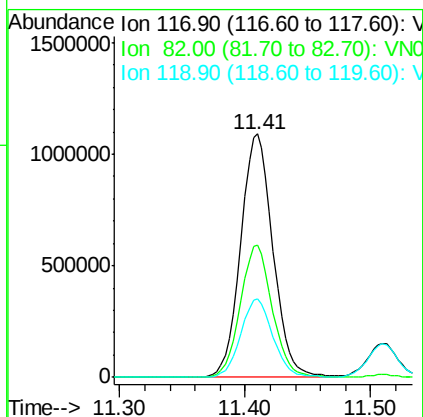
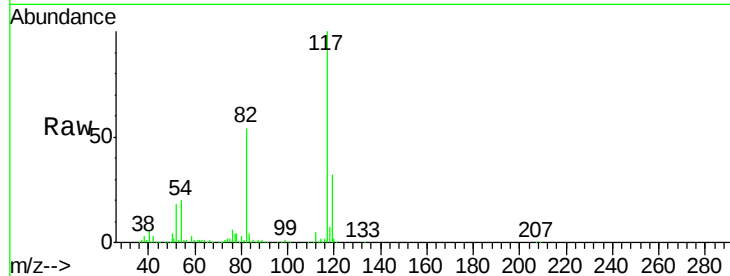




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

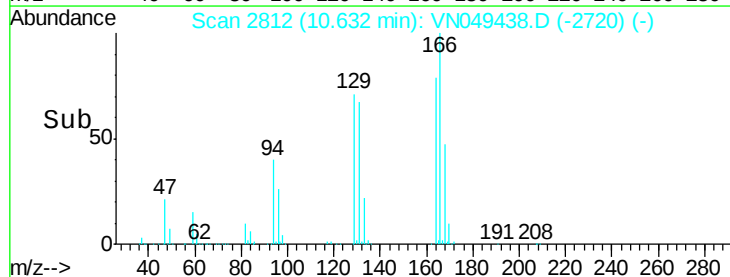
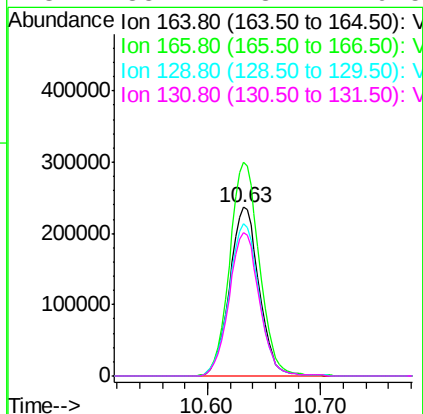
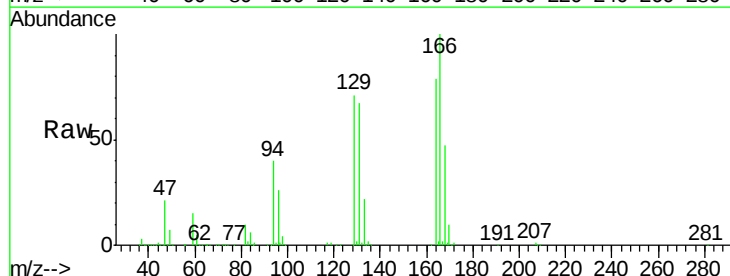
Instrument :
MSVOA_N
ClientSampled :

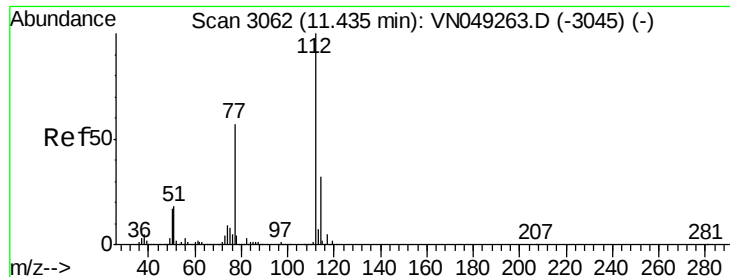
Tot Ion:117 Resp: 1950380
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 21.50 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:164 Resp: 429604
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 90.1 74.1 111.1
131 85.1 73.7 110.5





#65

Chlorobenzene

Concen: 20.04 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

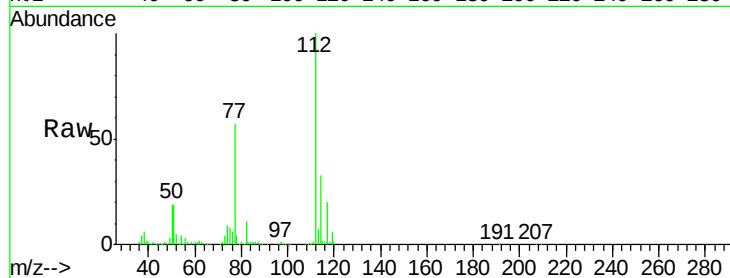
ClientSampleId :

Tot Ion:112 Resp: 1006698

Ion Ratio Lower Upper

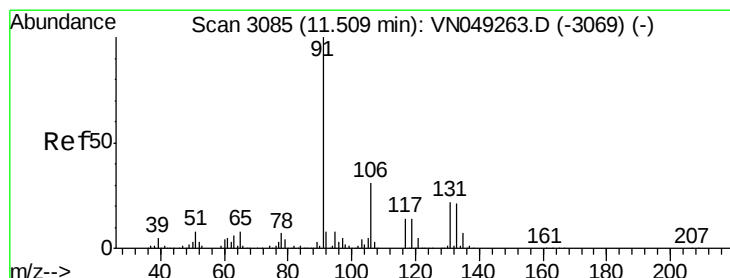
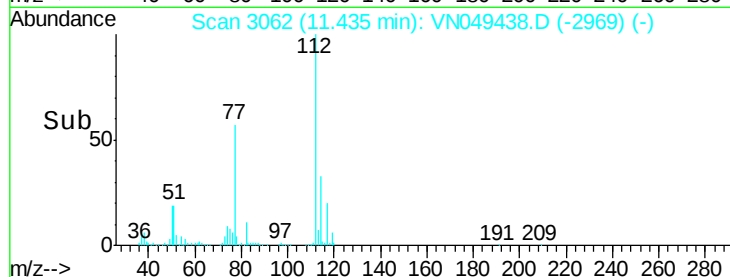
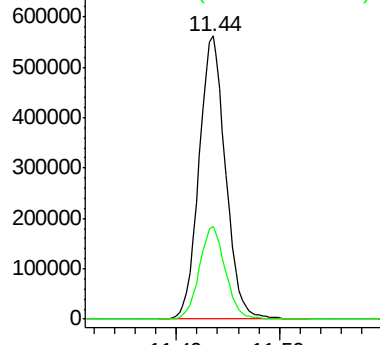
112 100

114 32.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.08 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

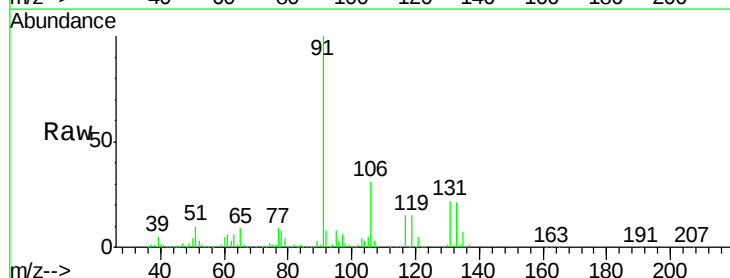
Tgt Ion:131 Resp: 379644

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

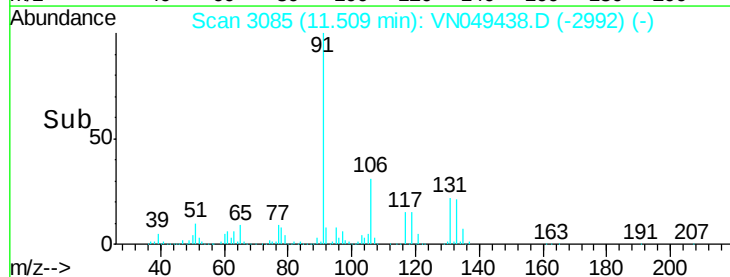
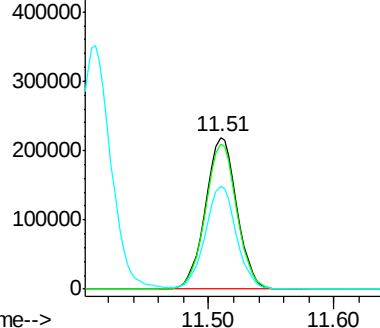
119 67.4 33.6 100.8

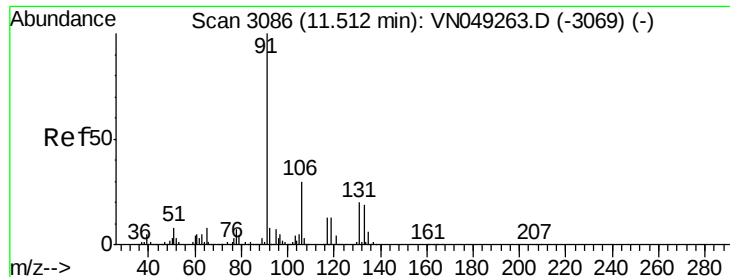


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.14 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

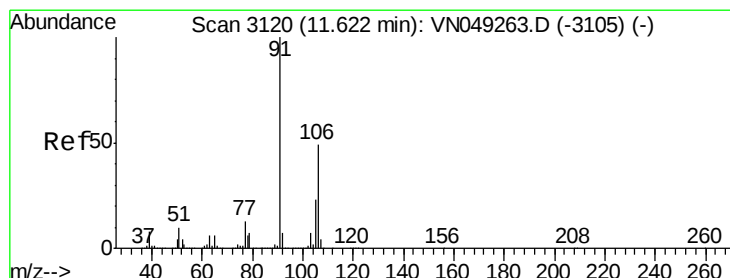
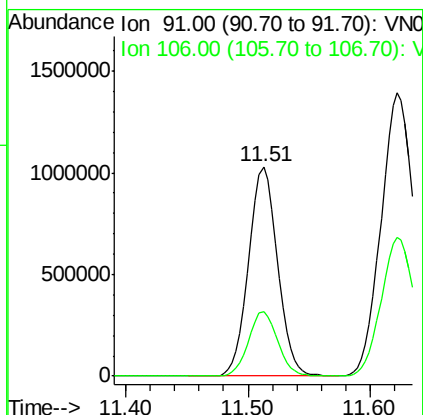
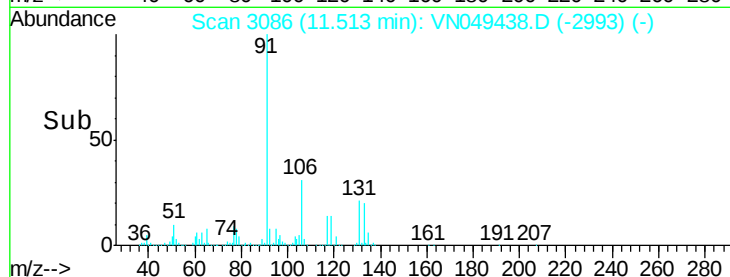
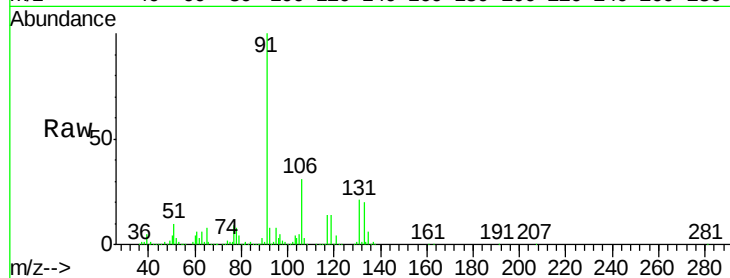
ClientSampled :

Tot Ion: 91 Resp: 1678299

Ion Ratio Lower Upper

91 100

106 30.8 23.9 35.9



#68

m/p-Xylenes

Concen: 41.57 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049438.D

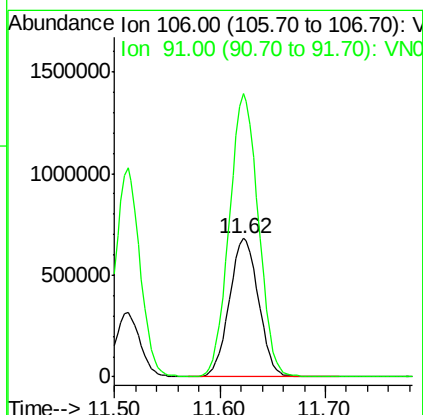
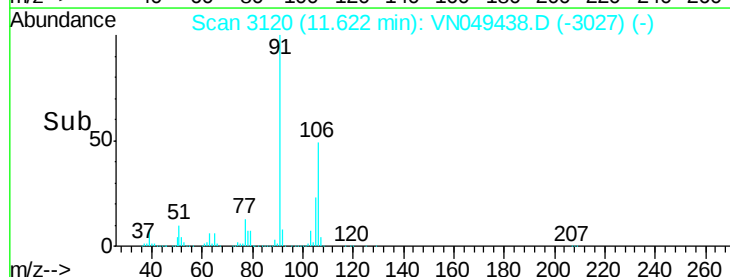
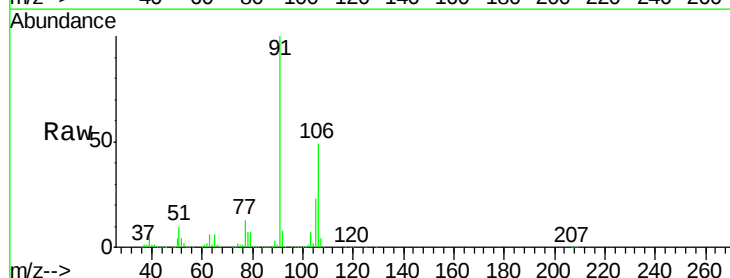
Acq: 20 Jun 2018 16:01

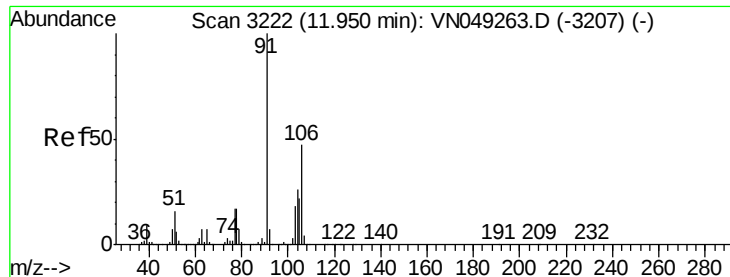
Tgt Ion: 106 Resp: 1300261

Ion Ratio Lower Upper

106 100

91 204.3 167.3 250.9

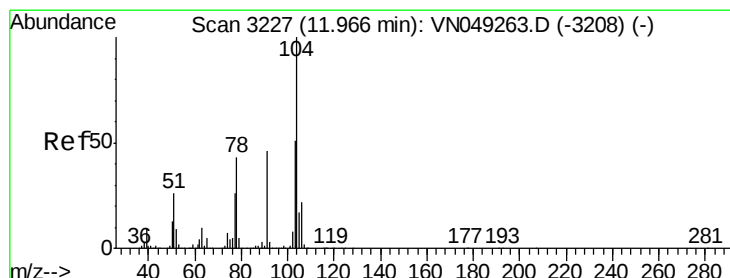
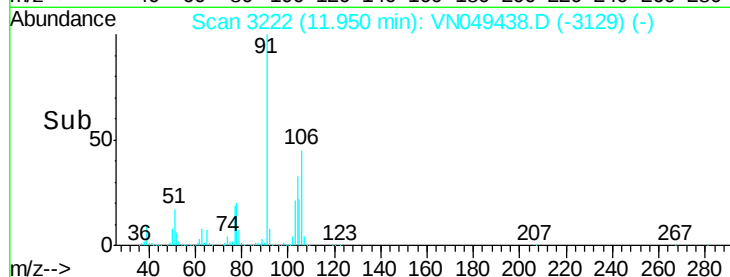
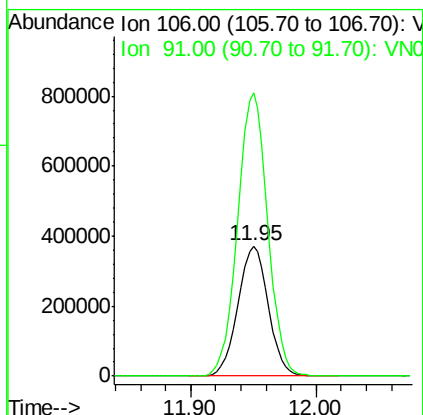
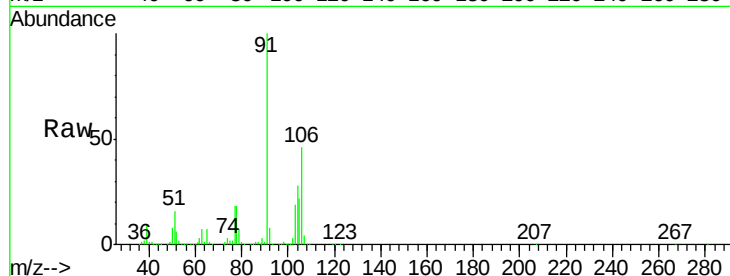




#69
o-Xylene
Concen: 20.70 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

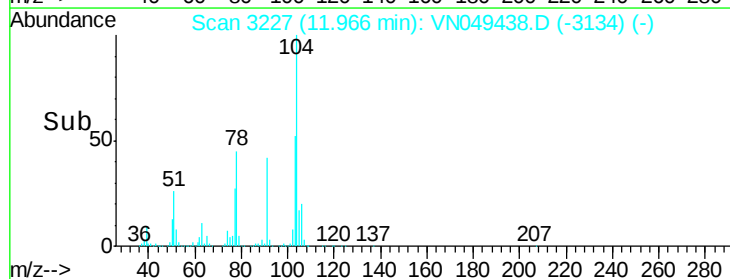
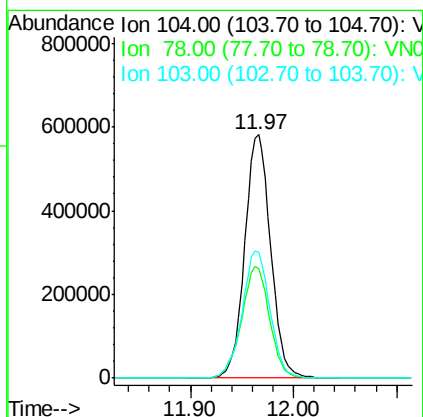
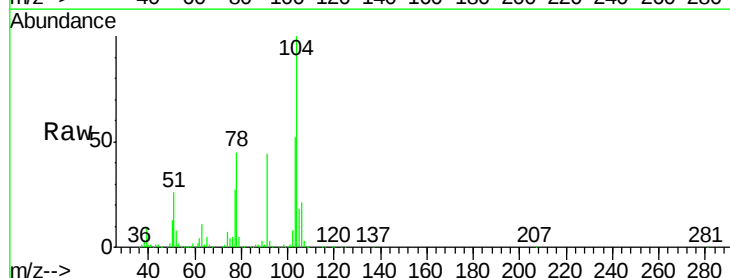
Instrument :
MSVOA_N
ClientSampled :

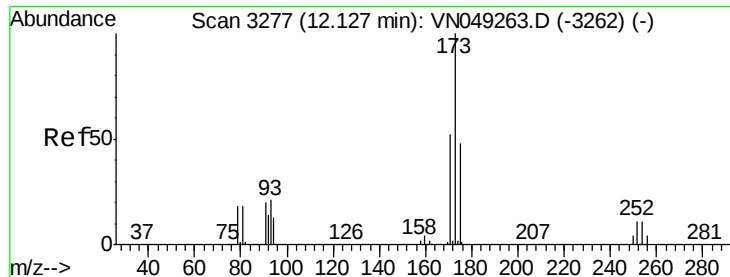
Tot Ion:106 Resp: 623579
Ion Ratio Lower Upper
106 100
91 215.5 111.0 333.0



#70
Styrene
Concen: 21.32 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:104 Resp: 1012997
Ion Ratio Lower Upper
104 100
78 49.5 41.6 62.4
103 56.3 45.4 68.2

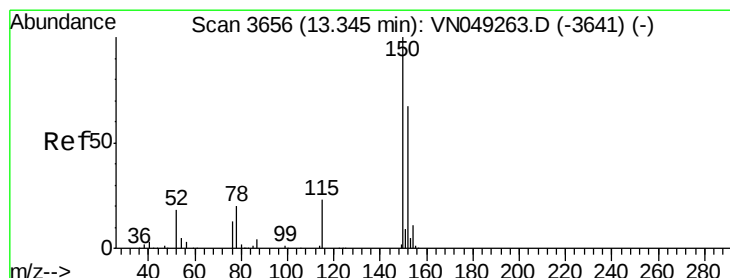
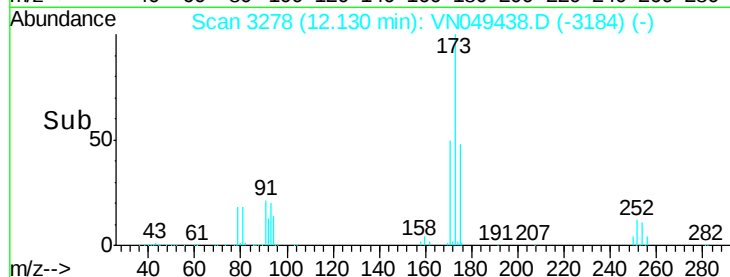
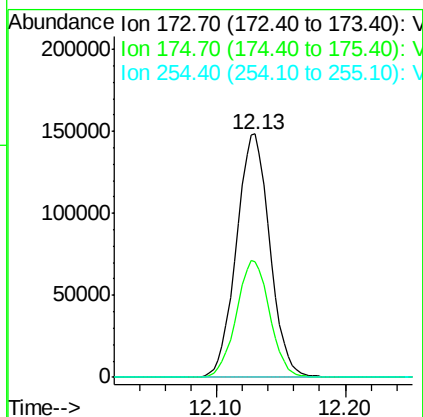
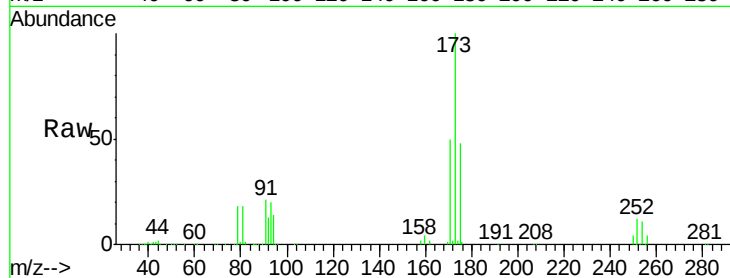




#71
Bromoform
Concen: 21.84 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

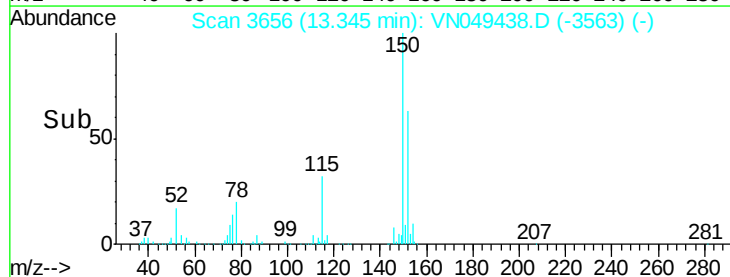
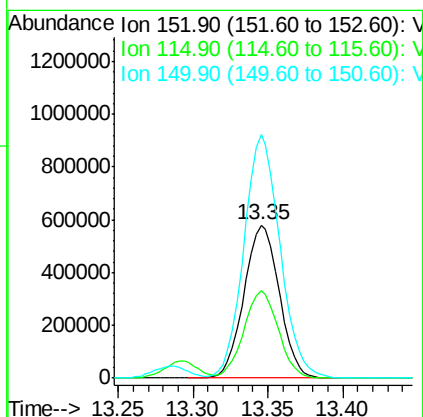
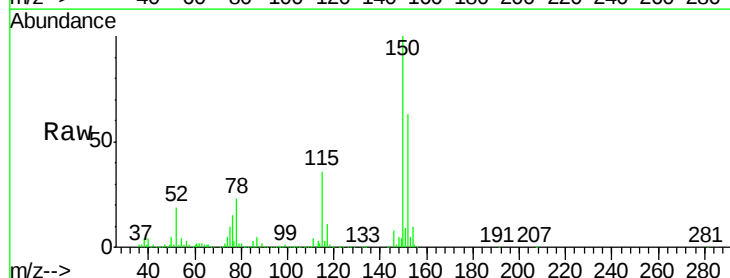
Instrument :
MSVOA_N
ClientSampled :

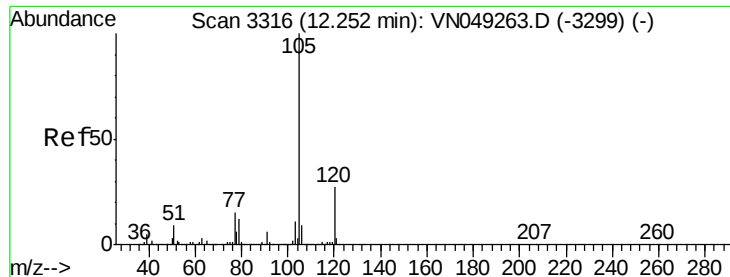
Tot Ion:173 Resp: 267243
Ion Ratio Lower Upper
173 100
175 47.8 24.5 73.5
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:152 Resp: 949735
Ion Ratio Lower Upper
152 100
115 55.9 28.7 86.1
150 163.4 0.0 351.0





#73

Isopropylbenzene

Concen: 19.70 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

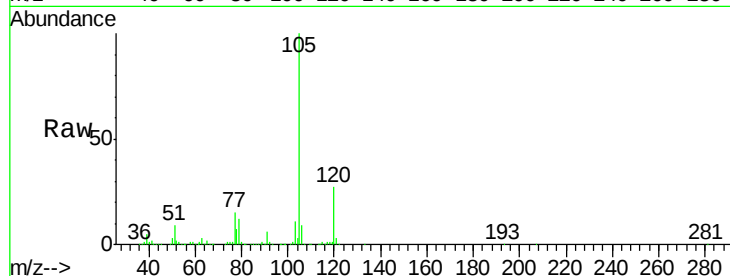
ClientSampled :

Tot Ion:105 Resp: 1642801

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

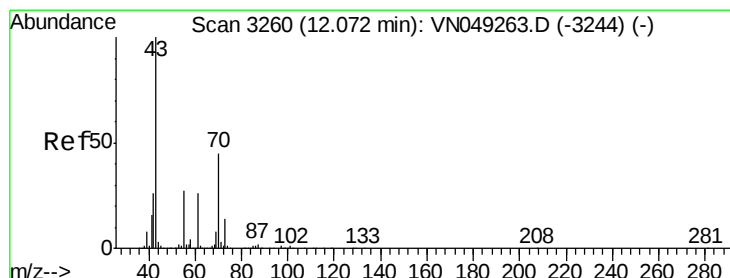
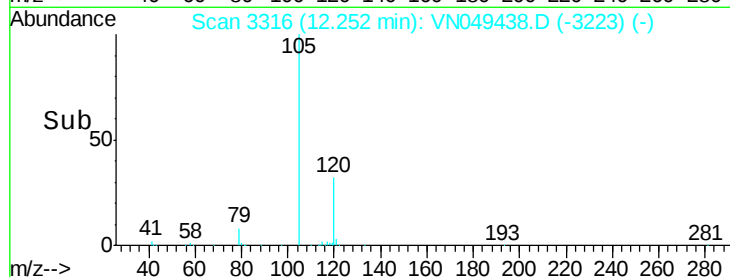
400000

200000

0

12.25

Time-->



#74

N-ethyl acetate

Concen: 21.70 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion: 43 Resp: 443184

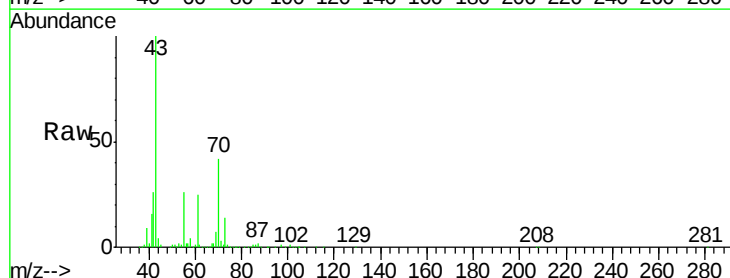
Ion Ratio Lower Upper

43 100

70 43.1 30.3 45.5

55 27.1 19.4 29.2

61 25.1 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

400000

300000

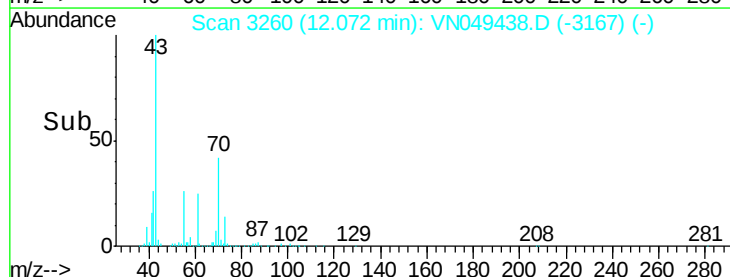
200000

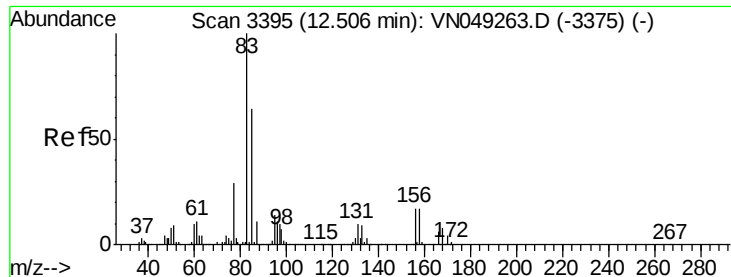
100000

0

12.07

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.40 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

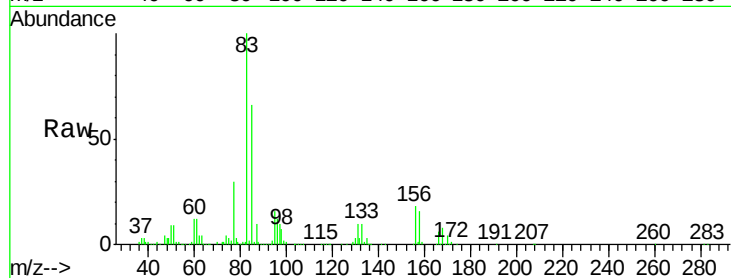
Tot Ion: 83 Resp: 405421

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

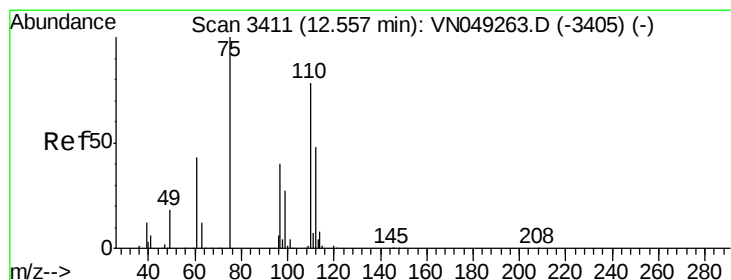
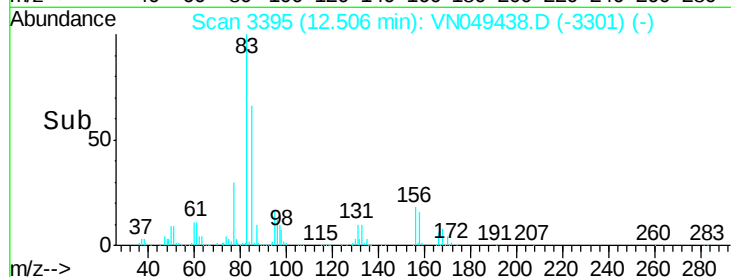
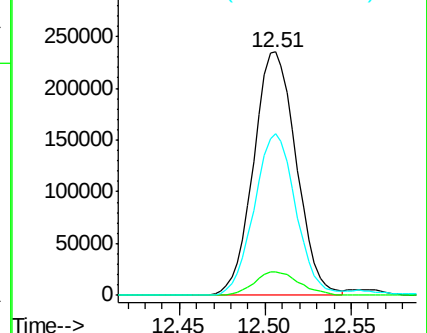
85 64.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049438.D (-3391) (-)

Ion 130.80 (130.50 to 131.50): VN049438.D (-3391) (-)

Ion 84.90 (84.60 to 85.60): VN049438.D (-3391) (-)



#76

1,2,3-Trichloropropane

Concen: 31.92 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049438.D

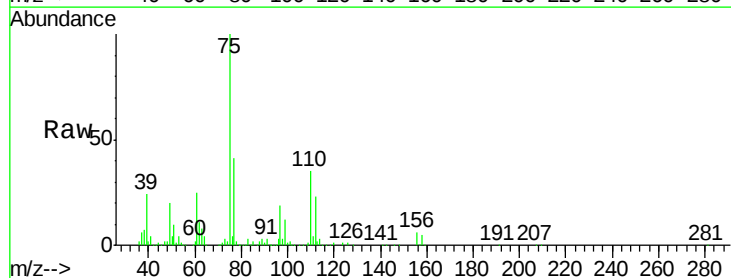
Acq: 20 Jun 2018 16:01

Tgt Ion: 75 Resp: 517193

Ion Ratio Lower Upper

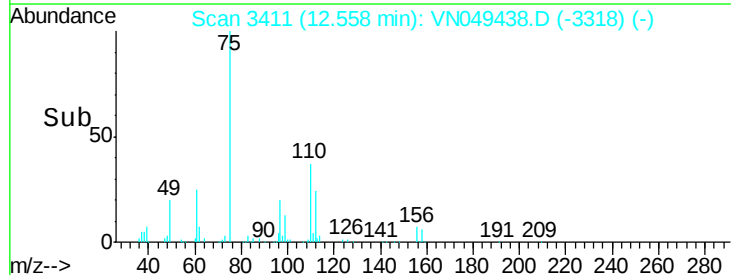
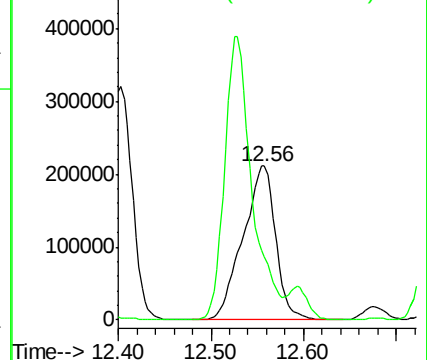
75 100

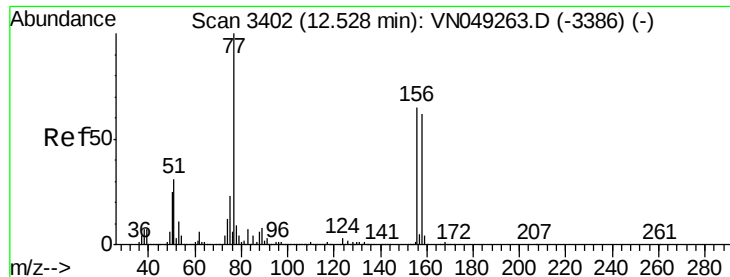
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049438.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049438.D (-3405) (-)





#77

Bromobenzene

Concen: 19.57 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

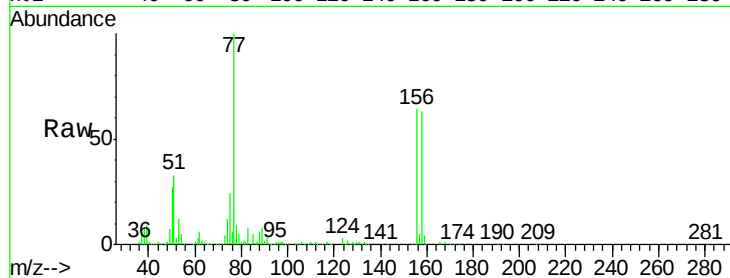
Tot Ion:156 Resp: 431097

Ion Ratio Lower Upper

156 100

77 184.1 100.8 302.4

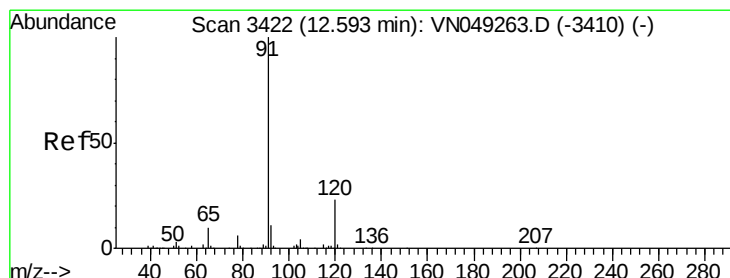
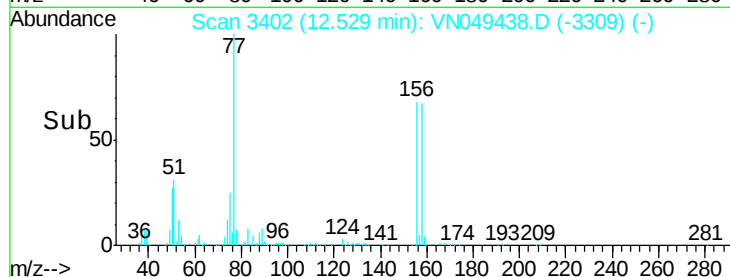
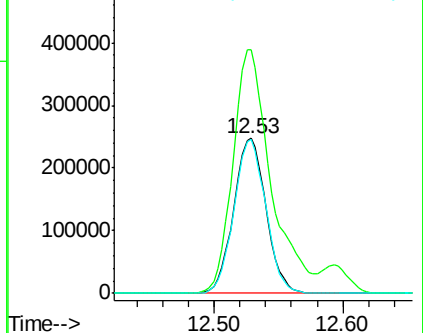
158 97.5 49.3 147.9



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: 20.14 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049438.D

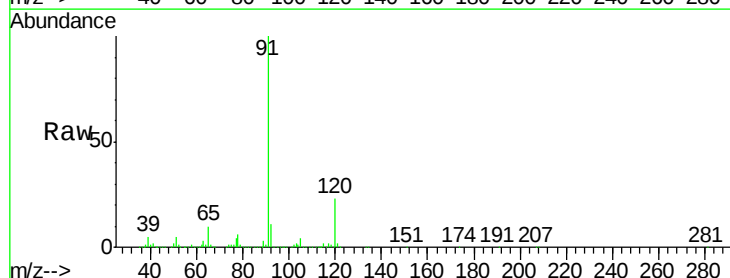
Acq: 20 Jun 2018 16:01

Tgt Ion: 91 Resp: 1844478

Ion Ratio Lower Upper

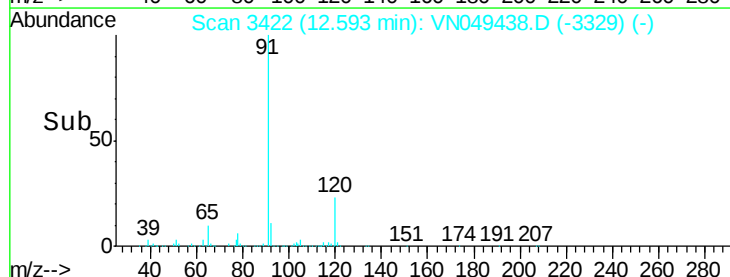
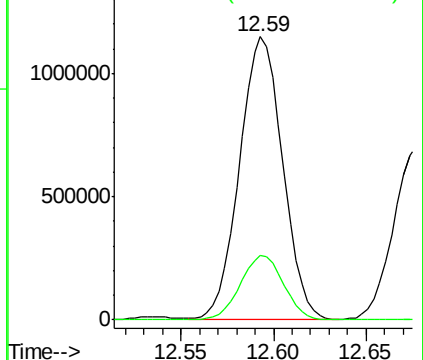
91 100

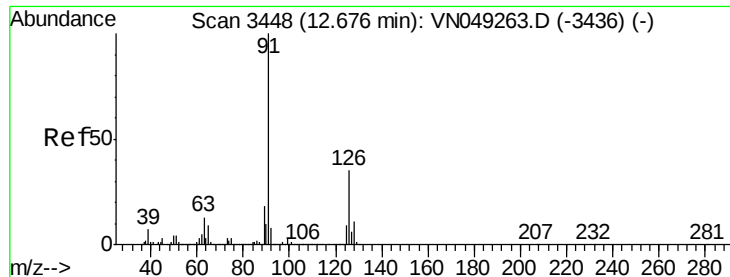
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

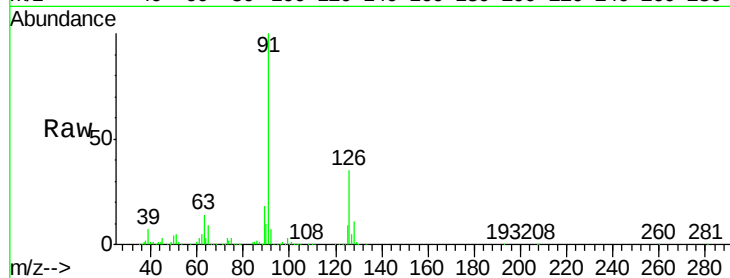
ClientSampleId :

Tot Ion: 91 Resp: 1151173

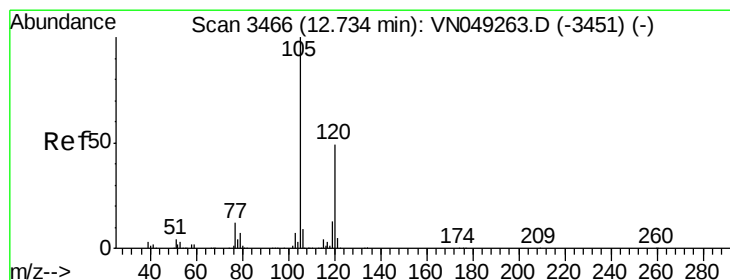
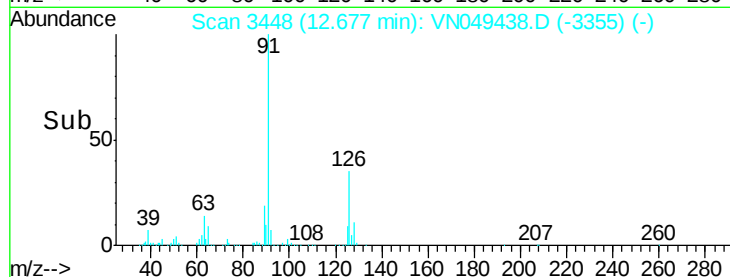
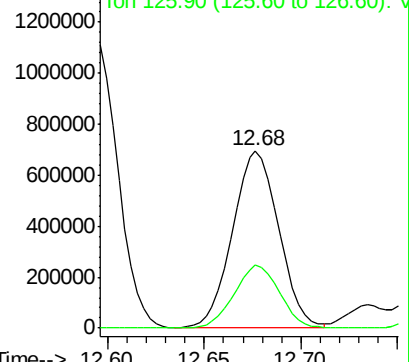
Ion Ratio Lower Upper

91 100

126 35.1 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049438.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.49 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049438.D

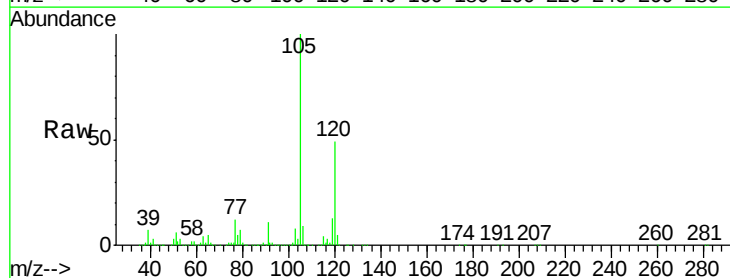
Acq: 20 Jun 2018 16:01

Tgt Ion: 105 Resp: 1342938

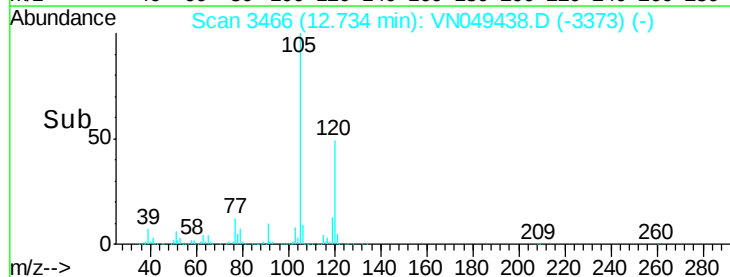
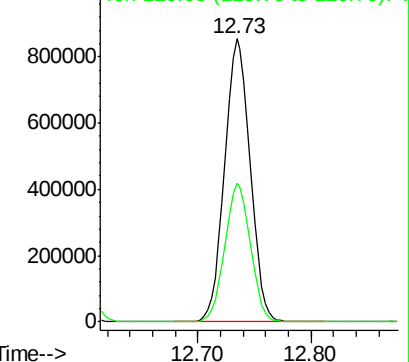
Ion Ratio Lower Upper

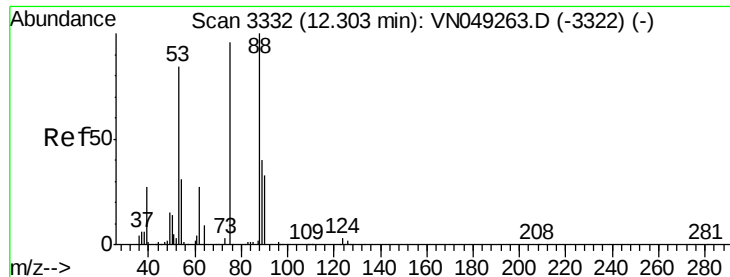
105 100

120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049438.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.48 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

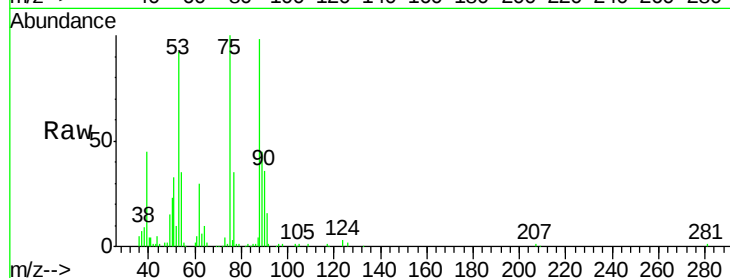
Tot Ion: 75 Resp: 110123

Ion Ratio Lower Upper

75 100

53 93.1 82.7 124.1

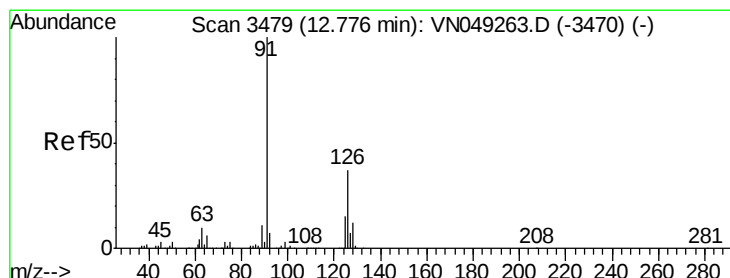
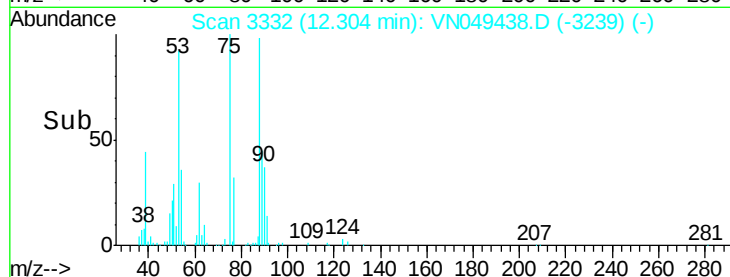
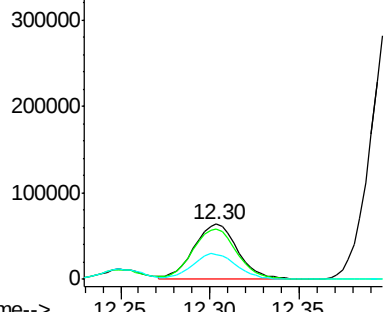
89 46.1 36.5 54.7



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: 20.58 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049438.D

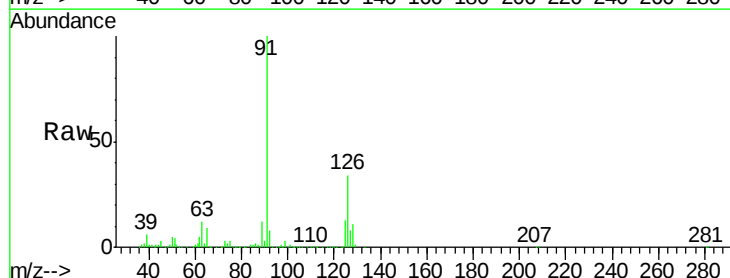
Acq: 20 Jun 2018 16:01

Tgt Ion: 91 Resp: 1151692

Ion Ratio Lower Upper

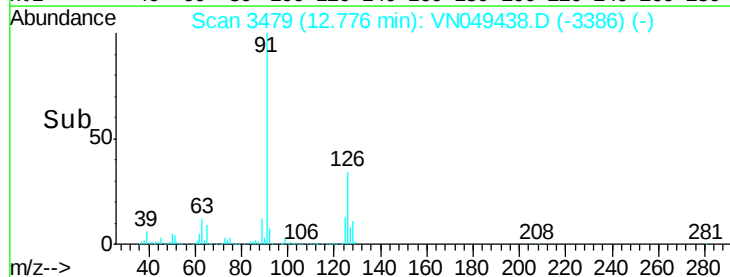
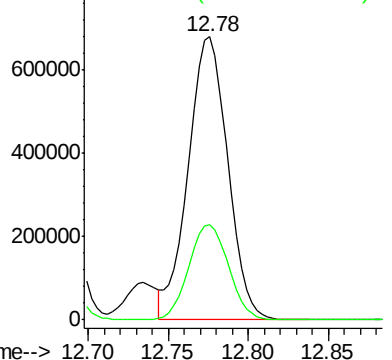
91 100

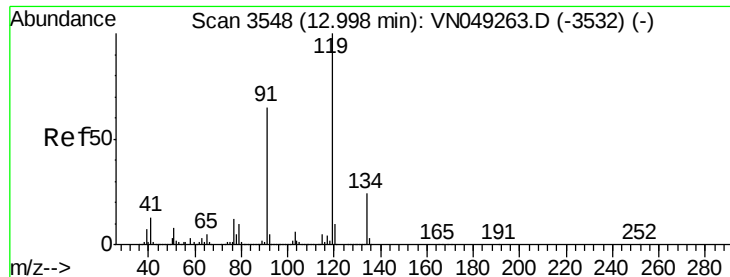
126 33.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.19 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampleId :

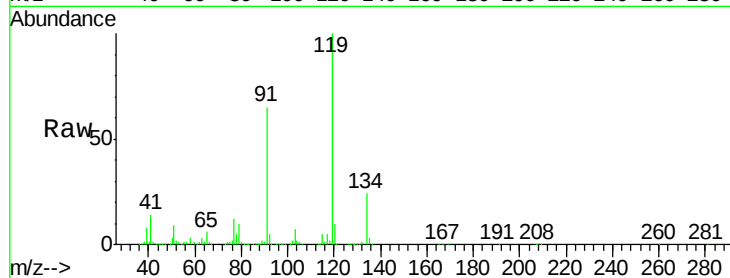
Tot Ion:119 Resp: 1114341

Ion Ratio Lower Upper

119 100

91 64.5 33.7 101.0

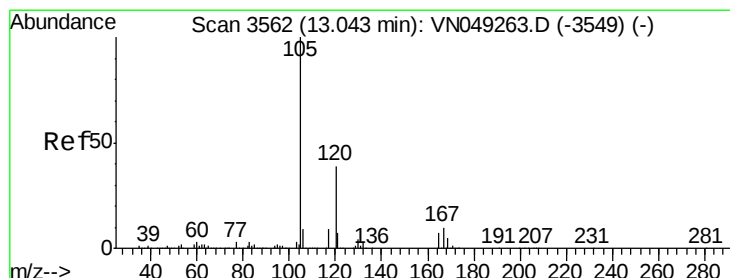
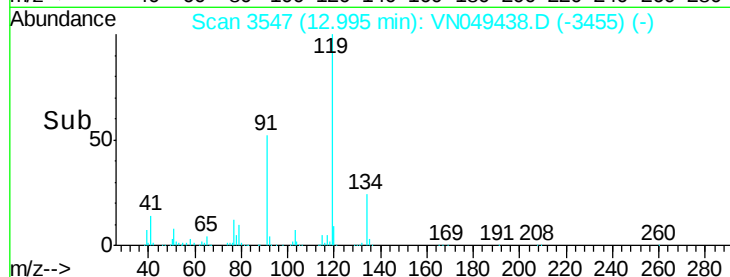
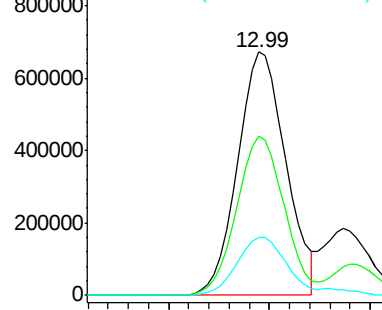
134 26.1 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.95 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049438.D

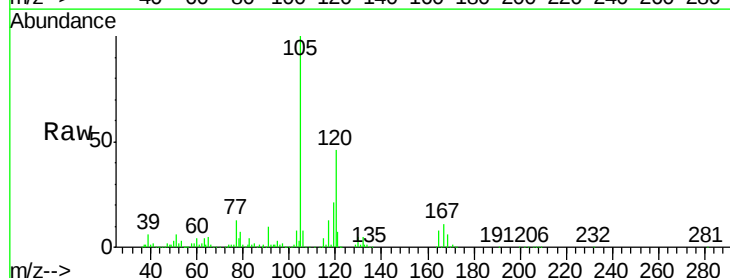
Acq: 20 Jun 2018 16:01

Tgt Ion:105 Resp: 1363844

Ion Ratio Lower Upper

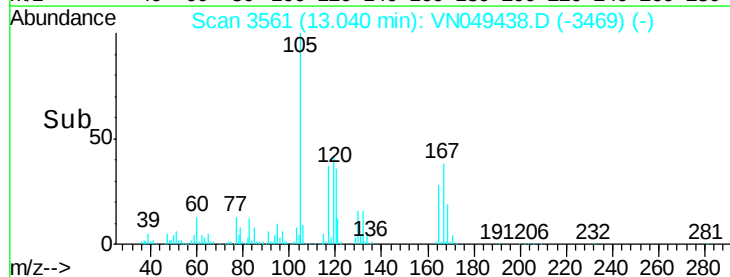
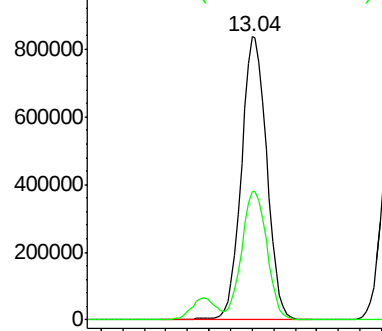
105 100

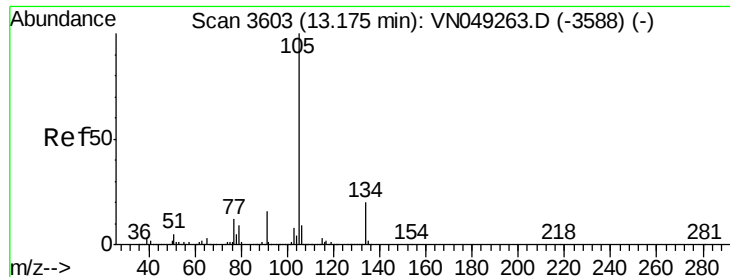
120 45.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.19 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

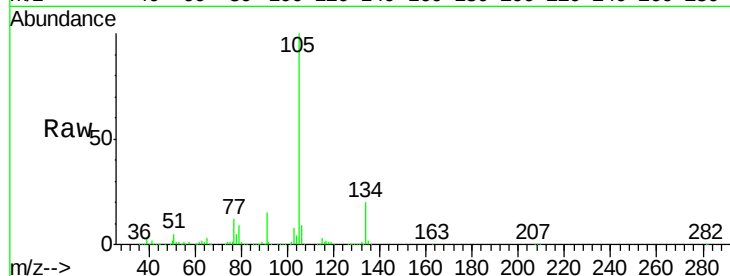
ClientSampleId :

Tot Ion:105 Resp: 1483480

Ion Ratio Lower Upper

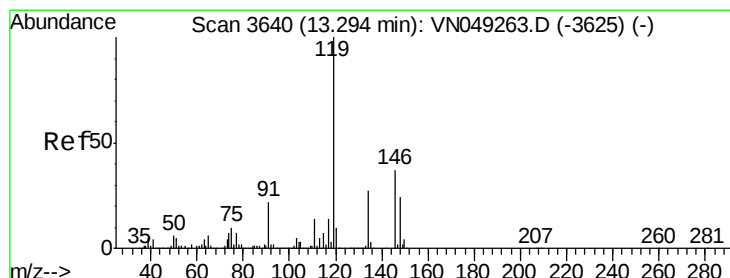
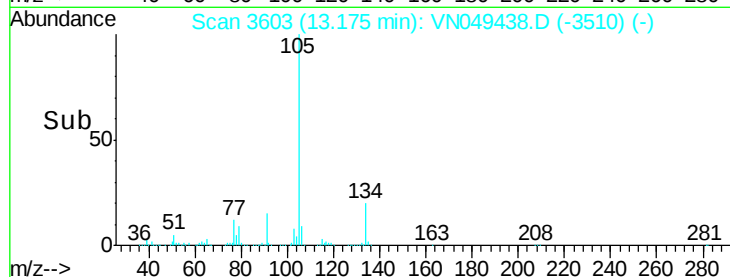
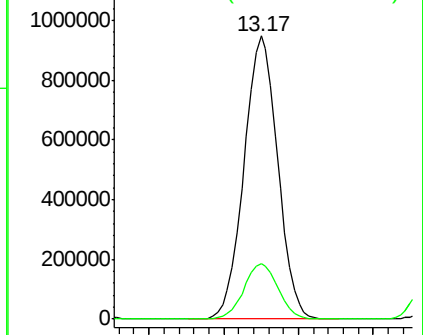
105 100

134 19.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.77 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

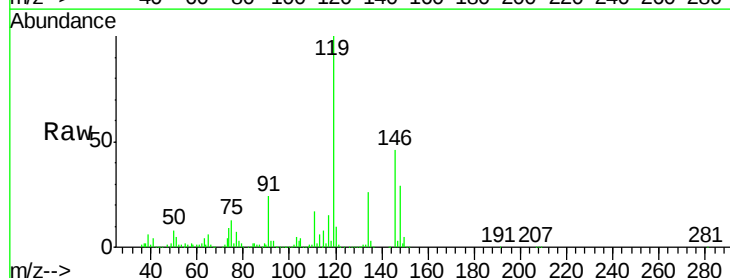
Tgt Ion:119 Resp: 1276717

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

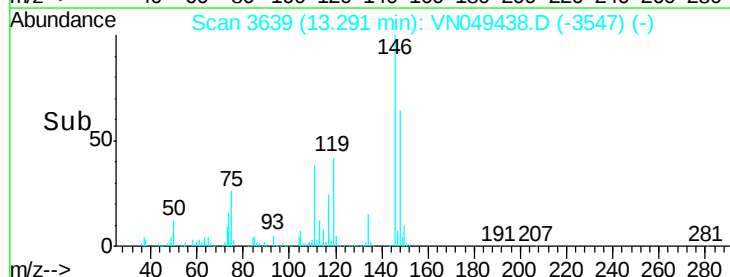
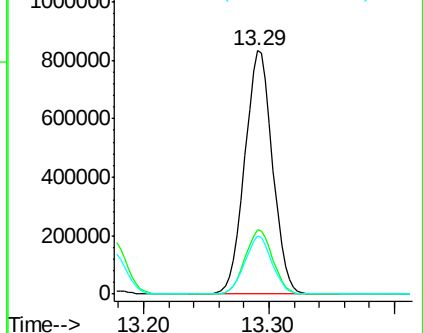
91 23.3 12.1 36.3



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





#87

1,3-Dichlorobenzene

Concen: 19.74 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

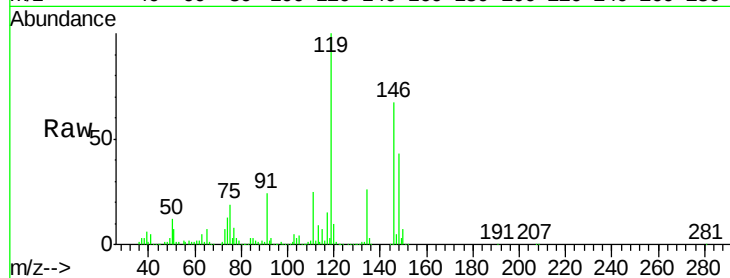
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 715310

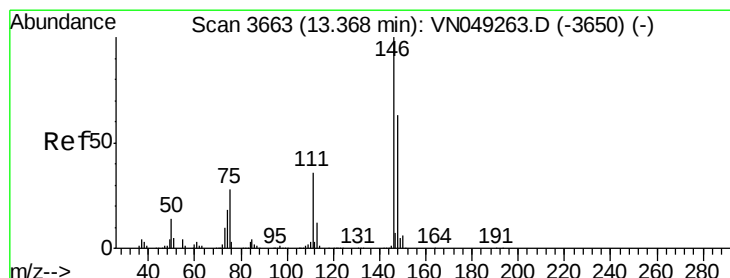
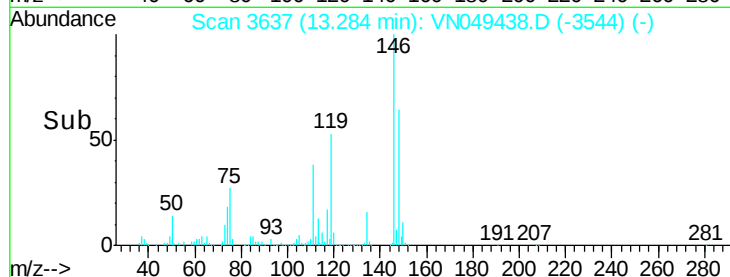
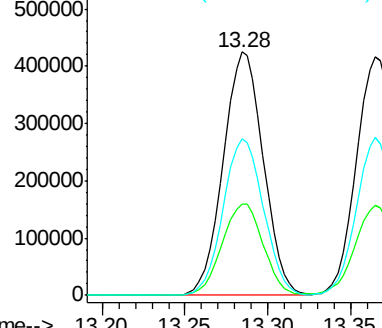
Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.5	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.63 ug/l

RT: 13.36 min Scan# 3662

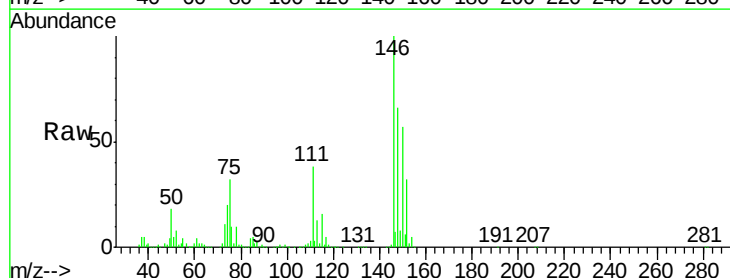
Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Tgt Ion:146 Resp: 705156

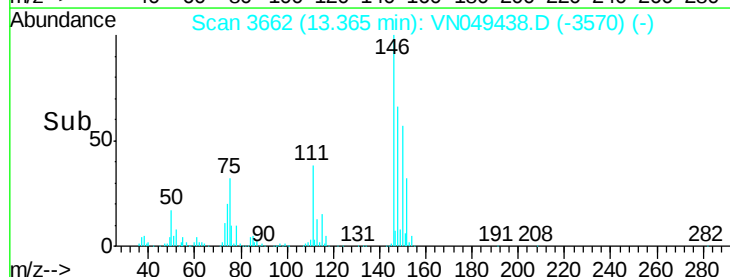
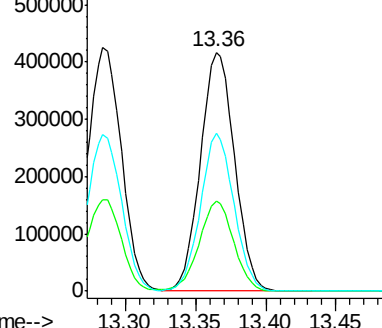
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.9	32.0	96.2

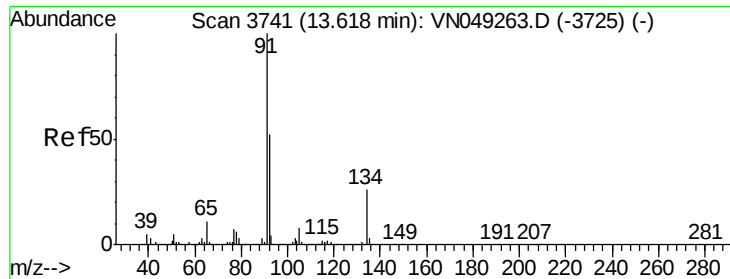


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

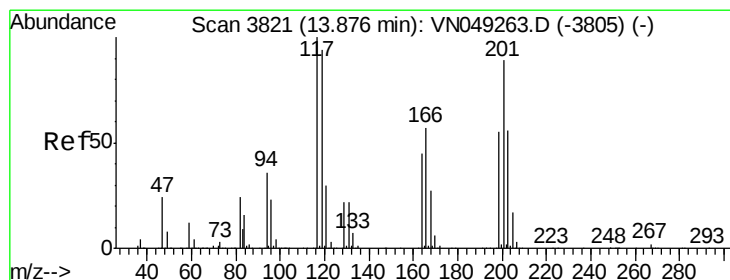
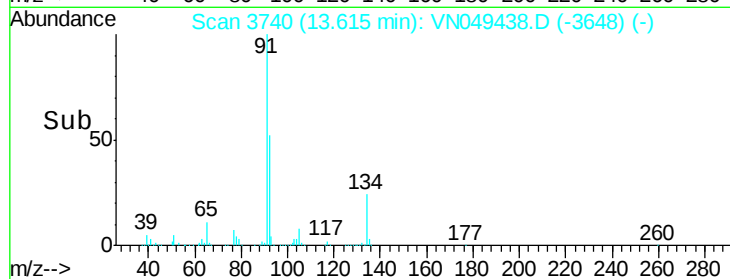
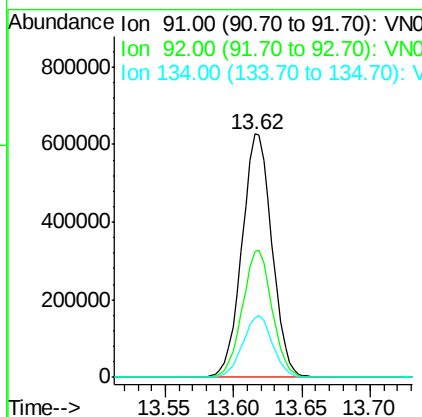
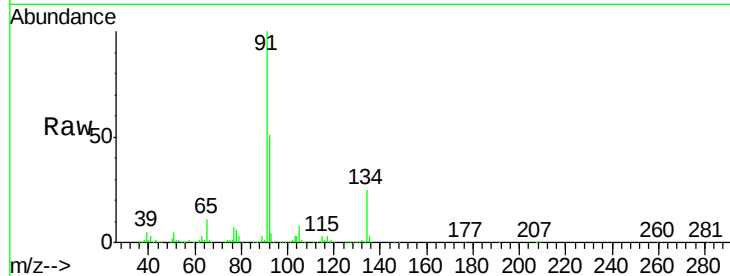




#89
n-Butylbenzene
Concen: 18.96 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

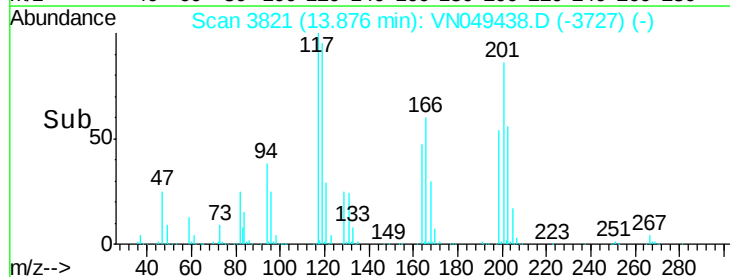
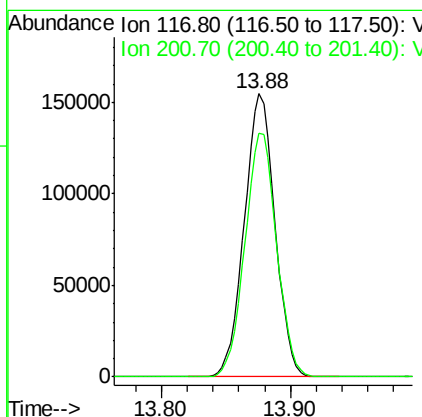
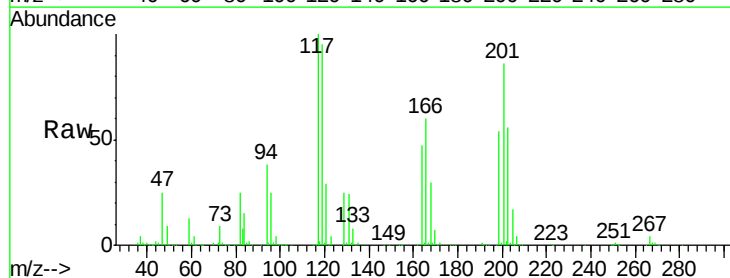
Instrument :
MSVOA_N
ClientSampleId :

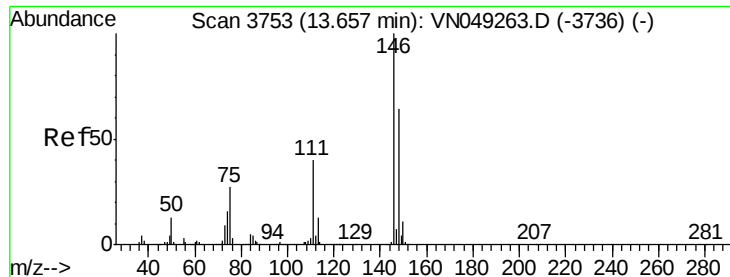
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.1	75.4
134	25.2	12.0	36.0



#90
Hexachloroethane
Concen: 19.97 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 20.32 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

Instrument :

MSVOA_N

ClientSampled :

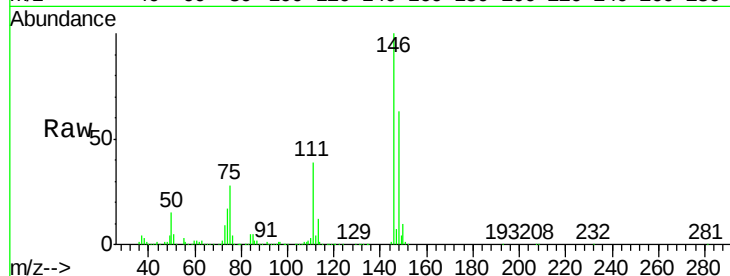
Tot Ion:146 Resp: 722089

Ion Ratio Lower Upper

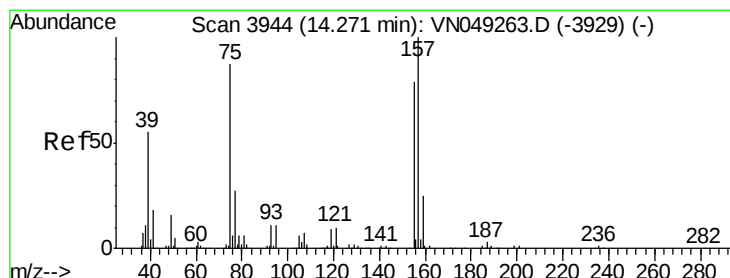
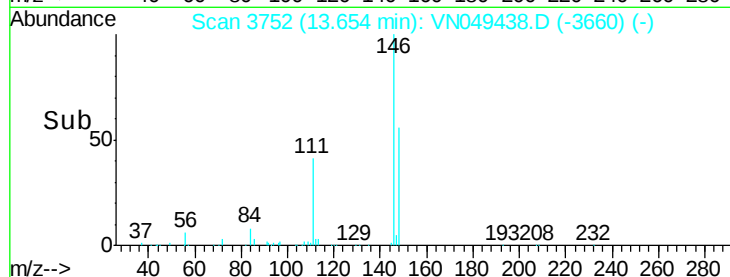
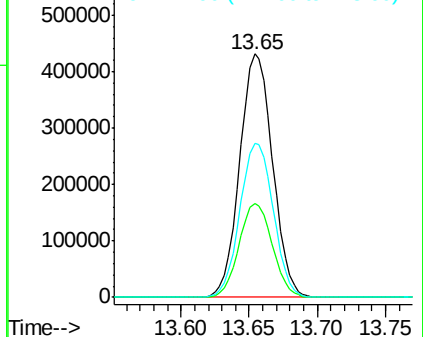
146 100

111 39.1 20.8 62.2

148 64.5 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: 20.87 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049438.D

Acq: 20 Jun 2018 16:01

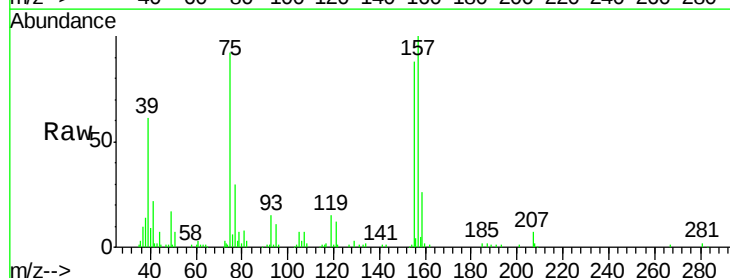
Tgt Ion: 75 Resp: 60582

Ion Ratio Lower Upper

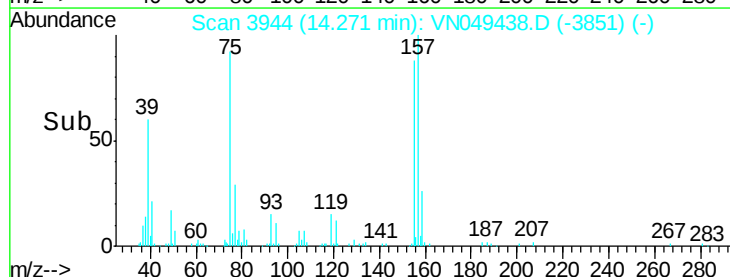
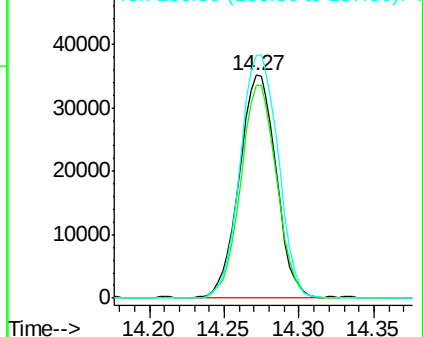
75 100

155 92.7 38.8 116.3

157 111.5 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

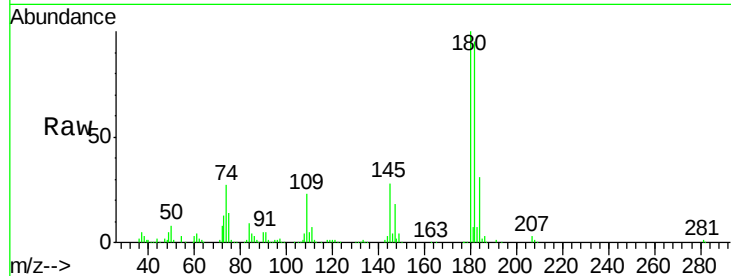




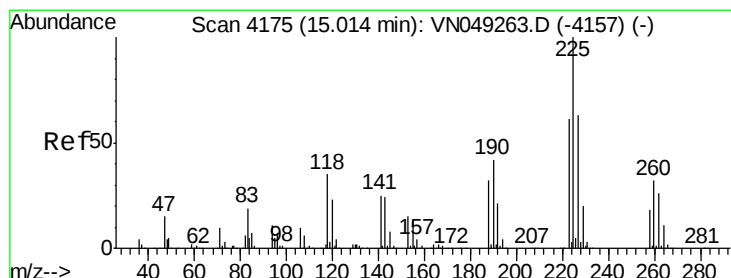
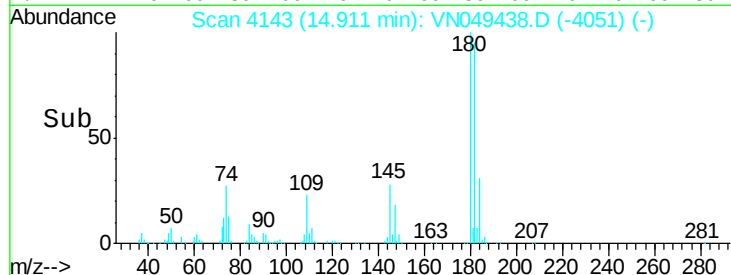
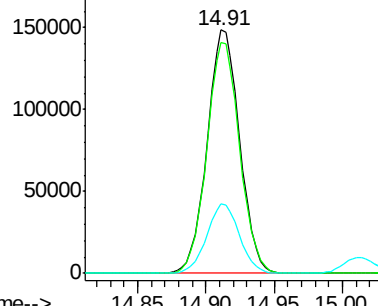
#93
 1,2,4-Trichlorobenzene
 Concen: 18.38 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 245351
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.9 140.8
 145 28.9 14.7 44.1

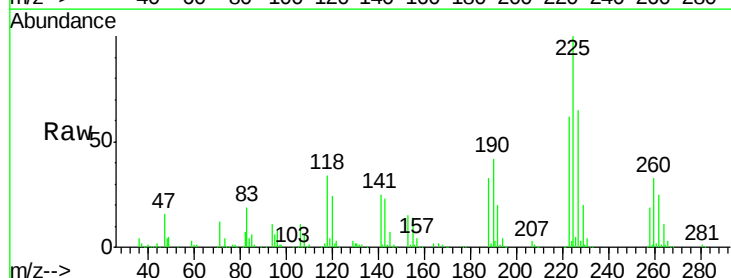


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

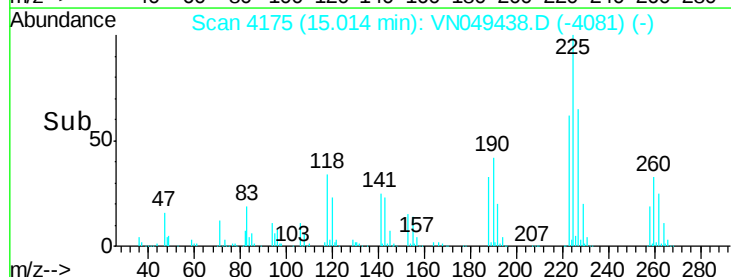
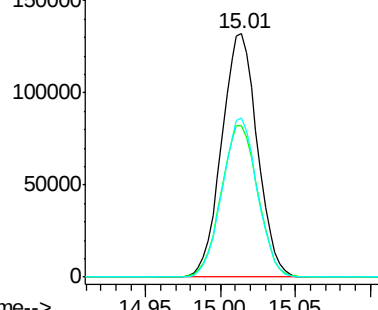


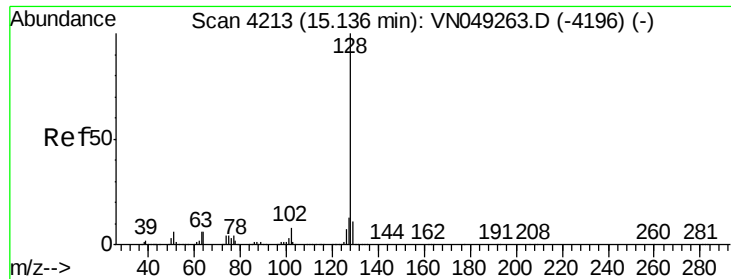
#94
 Hexachlorobutadiene
 Concen: 19.39 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049438.D
 Acq: 20 Jun 2018 16:01

Tgt Ion:225 Resp: 218903
 Ion Ratio Lower Upper
 225 100
 223 63.9 32.1 96.3
 227 64.4 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

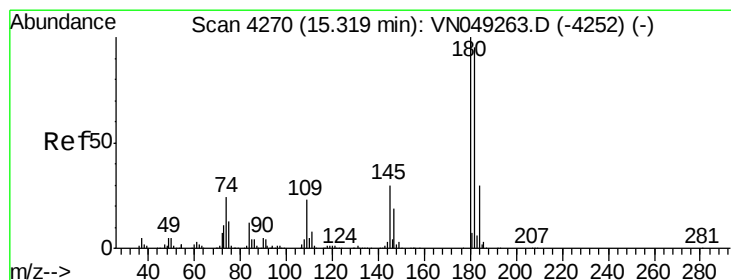
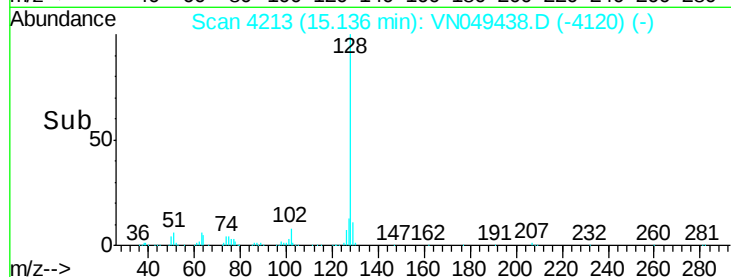
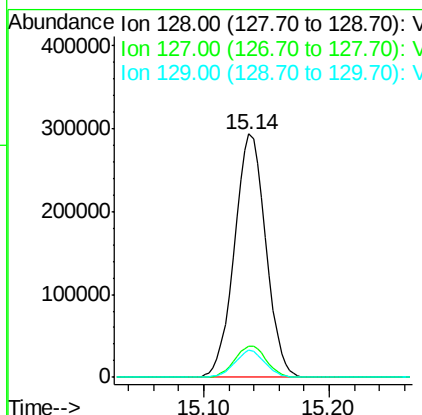
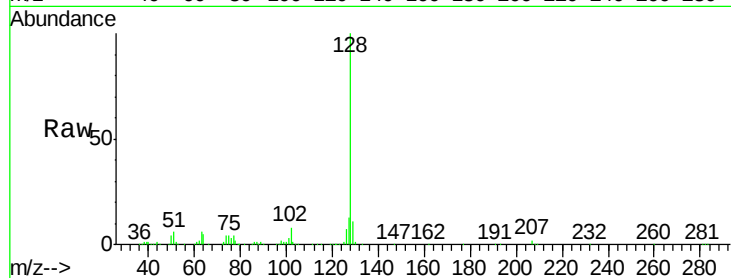




#95
Naphthalene
Concen: 20.44 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 509647
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.53 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049438.D
Acq: 20 Jun 2018 16:01

Tgt Ion:180 Resp: 274855
Ion Ratio Lower Upper
180 100
182 94.2 47.3 141.8
145 30.4 15.6 46.7

