

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049663.D
 Acq On : 2 Jul 2018 12:32
 Operator : MD\SY
 Sample : VN0702WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Quant Time: Jul 03 03:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1334136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1997940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1789240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	943582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	844849	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	7.59	113	734015	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	2826332	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	965293	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	290479	19.32	ug/l	98
3) Chloromethane	2.06	50	363145	19.34	ug/l	98
4) Vinyl Chloride	2.18	62	397375	19.70	ug/l	99
5) Bromomethane	2.57	94	205968	19.44	ug/l	97
6) Chloroethane	2.70	64	246661	19.32	ug/l	98
7) Trichlorofluoromethane	3.02	101	488666	21.21	ug/l	99
8) Diethyl Ether	3.41	74	184195	19.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	329869	19.90	ug/l	99
10) Methyl Iodide	3.95	142	457959	22.08	ug/l	100
11) Tert butyl alcohol	4.79	59	111970	110.75	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	305695	19.51	ug/l	100
13) Acrolein	3.61	56	74367	78.75	ug/l	99
14) Allyl chloride	4.32	41	465939	21.65	ug/l	99
15) Acrylonitrile	4.99	53	519323	99.45	ug/l	97
16) Acetone	3.82	43	395013	107.07	ug/l	100
17) Carbon Disulfide	4.05	76	891818	20.47	ug/l	100
18) Methyl Acetate	4.33	43	303951	15.74	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	812068	20.10	ug/l	100
20) Methylene Chloride	4.54	84	355020	19.57	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	316320	19.61	ug/l	99
22) Diisopropyl ether	5.95	45	971261	19.94	ug/l	98
23) Vinyl Acetate	5.90	43	3101569	98.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	606317	19.76	ug/l	100
25) 2-Butanone	6.84	43	604015	103.27	ug/l	98
26) 2,2-Dichloropropane	6.82	77	503420	19.76	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	355362	19.73	ug/l	100
28) Bromochloromethane	7.19	49	253302	19.45	ug/l	100
29) Tetrahydrofuran	7.21	42	389892	104.59	ug/l	99
30) Chloroform	7.37	83	602971	19.28	ug/l	97
31) Cyclohexane	7.65	56	545411	20.30	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	525656	19.85	ug/l	100
36) 1,1-Dichloropropene	7.79	75	450932	20.06	ug/l	100
37) Ethyl Acetate	6.93	43	284067	21.67	ug/l	98
38) Carbon Tetrachloride	7.77	117	442254	20.23	ug/l	99

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 VN0702WBS01

Quant Time: Jul 03 03:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	501271	20.34	ug/l	99
40) Benzene	8.04	78	1373421	20.01	ug/l	100
41) Methacrylonitrile	7.17	41	133170	18.02	ug/l	93
42) 1,2-Dichloroethane	8.13	62	426919	19.49	ug/l	99
43) Isopropyl Acetate	8.17	43	519917	19.62	ug/l #	88
44) Trichloroethene	8.83	130	393305	19.00	ug/l	97
45) 1,2-Dichloropropane	9.12	63	357404	20.15	ug/l	99
46) Dibromomethane	9.21	93	213615	19.91	ug/l	98
47) Bromodichloromethane	9.40	83	456275	19.98	ug/l	98
48) Methyl methacrylate	9.20	41	242226	20.79	ug/l	99
49) 1,4-Dioxane	9.20	88	65735	419.69	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1337042	104.02	ug/l	99
52) Toluene	10.16	92	850348	20.51	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	428970	19.62	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	507780	19.87	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	302204	19.57	ug/l	99
56) Ethyl methacrylate	10.43	69	369924	20.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	507717	20.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	761480	88.06	ug/l	100
59) 2-Hexanone	10.75	43	909576	107.01	ug/l	99
60) Dibromochloromethane	10.90	129	337074	20.20	ug/l	99
61) 1,2-Dibromoethane	11.01	107	296574	20.05	ug/l	99
64) Tetrachloroethene	10.63	164	462344	19.08	ug/l	99
65) Chlorobenzene	11.44	112	904289	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	334838	19.96	ug/l	100
67) Ethyl Benzene	11.51	91	1544772	20.02	ug/l	100
68) m/p-Xylenes	11.62	106	1223292	41.37	ug/l	99
69) o-Xylene	11.95	106	584126	20.63	ug/l	96
70) Styrene	11.97	104	937286	20.46	ug/l	99
71) Bromoform	12.13	173	225759	20.26	ug/l #	98
73) Isopropylbenzene	12.25	105	1519583	20.22	ug/l	99
74) N-amyl acetate	12.07	43	404195	19.69	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	345181	21.31	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	448045	29.61	ug/l #	100
77) Bromobenzene	12.53	156	386968	18.93	ug/l	100
78) n-propylbenzene	12.59	91	1775520	20.61	ug/l	100
79) 2-Chlorotoluene	12.68	91	1069570	19.62	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1301979	20.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87997	19.75	ug/l	99
82) 4-Chlorotoluene	12.78	91	1075077	19.61	ug/l	100
83) tert-Butylbenzene	12.99	119	1080612	20.14	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1329381	20.71	ug/l	99
85) sec-Butylbenzene	13.17	105	1474884	20.75	ug/l	99
86) p-Isopropyltoluene	13.29	119	1288023	20.92	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	699704	19.88	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	685249	19.89	ug/l	100
89) n-Butylbenzene	13.62	91	1034613	19.63	ug/l	99
90) Hexachloroethane	13.88	117	154794	23.93	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	690999	20.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56879	21.10	ug/l	98

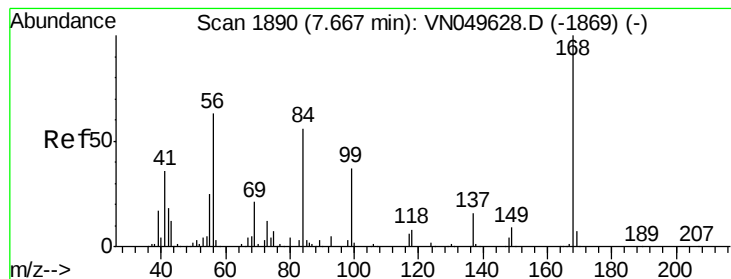
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
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Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293262	18.46	ug/l	99
94) Hexachlorobutadiene	15.01	225	228638	21.54	ug/l	100
95) Naphthalene	15.14	128	572073	17.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	299052	19.16	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: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

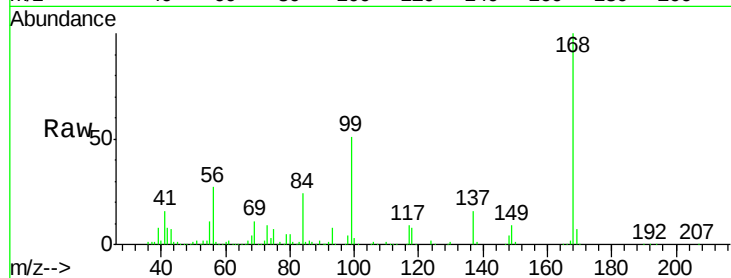
VN0702WBS01

Tot Ion:168 Resp: 1334136

Ion Ratio Lower Upper

168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

300000

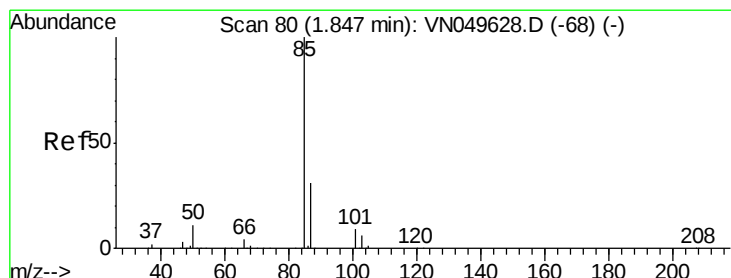
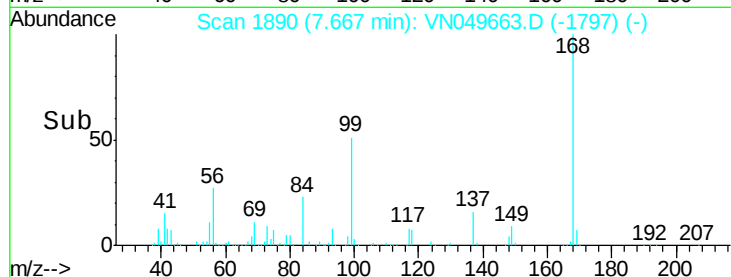
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.32 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049663.D

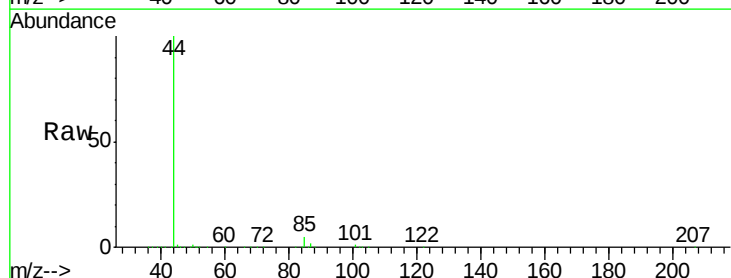
Acq: 2 Jul 2018 12:32

Tgt Ion: 85 Resp: 290479

Ion Ratio Lower Upper

85 100

87 31.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

150000

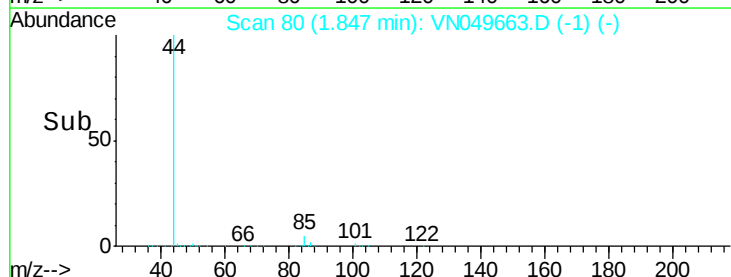
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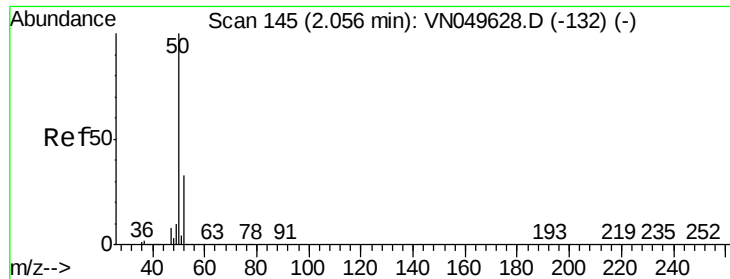
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.34 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

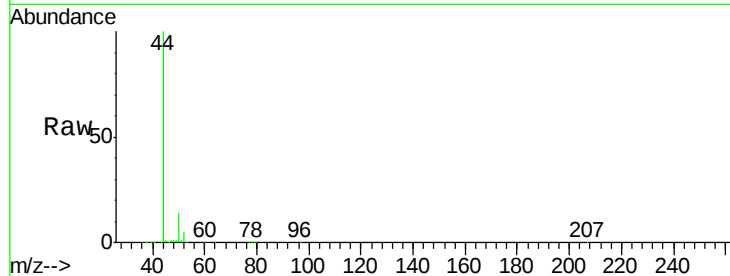
VN0702WBS01

Tot Ion: 50 Resp: 363145

Ion Ratio Lower Upper

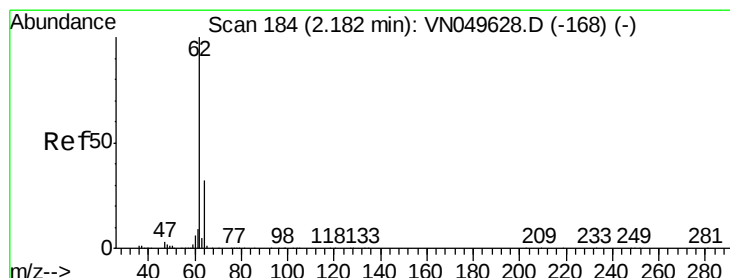
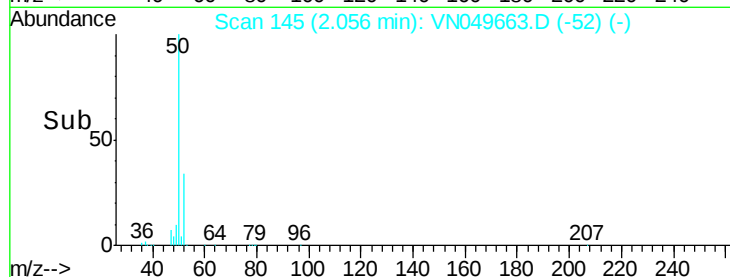
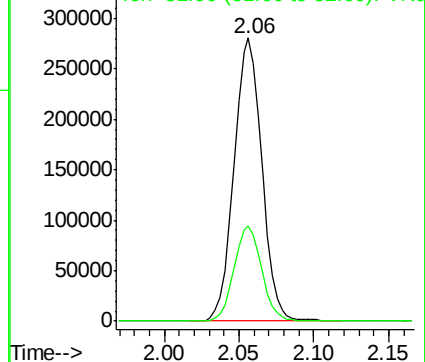
50 100

52 33.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049663.D

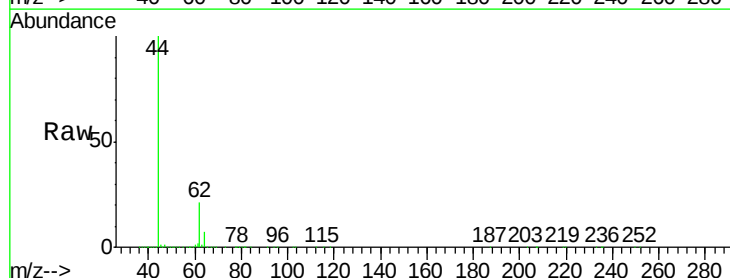
Acq: 2 Jul 2018 12:32

Tgt Ion: 62 Resp: 397375

Ion Ratio Lower Upper

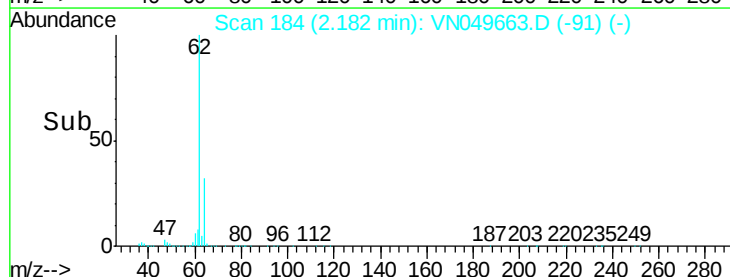
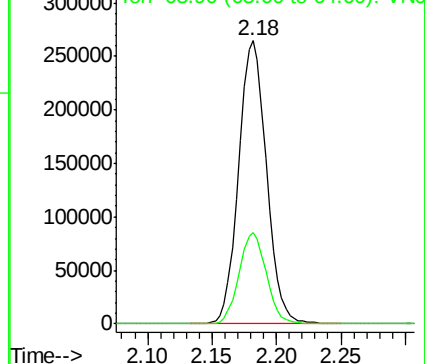
62 100

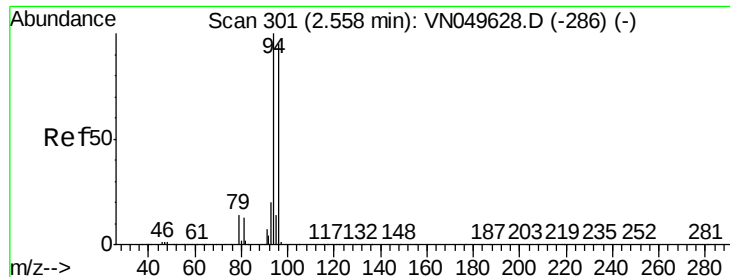
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.44 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

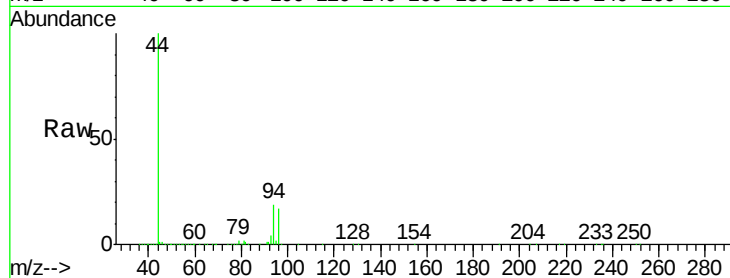
VN0702WBS01

Tot Ion: 94 Resp: 205968

Ion Ratio Lower Upper

94 100

96 91.8 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

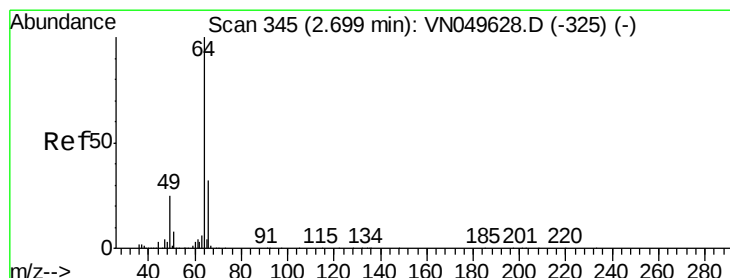
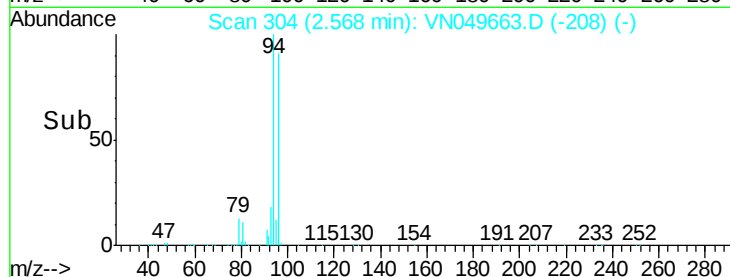
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.32 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049663.D

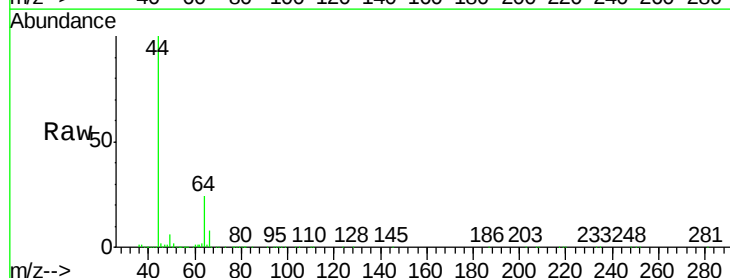
Acq: 2 Jul 2018 12:32

Tgt Ion: 64 Resp: 246661

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

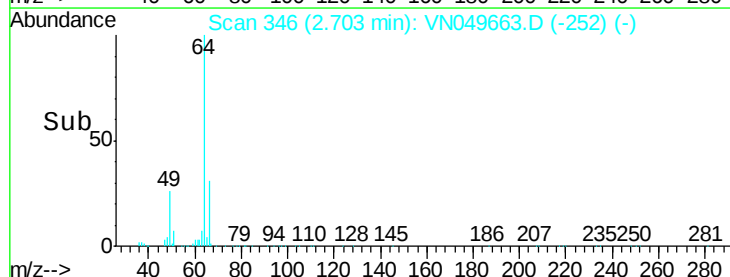
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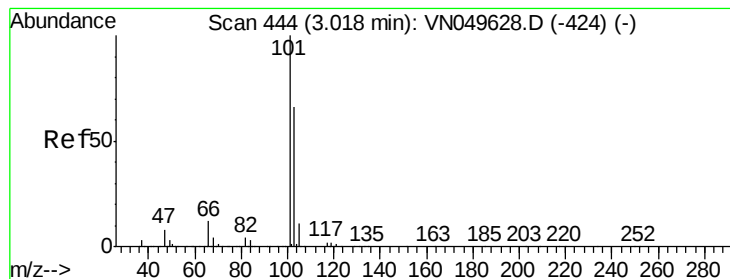
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 21.21 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

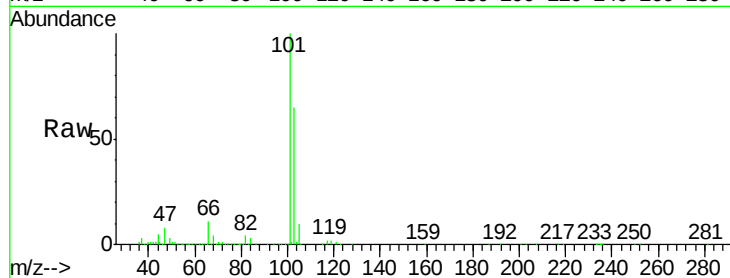
VN0702WBS01

Tot Ion:101 Resp: 488666

Ion Ratio Lower Upper

101 100

103 65.0 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

250000

200000

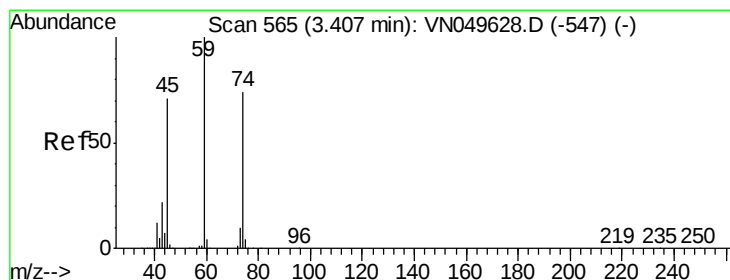
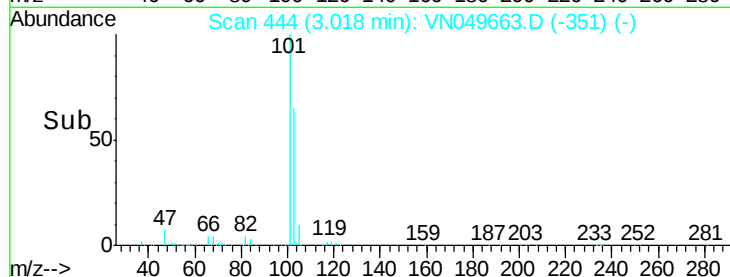
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 19.73 ug/l

RT: 3.41 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN049663.D

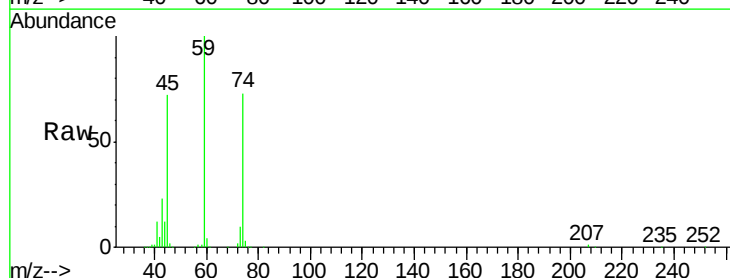
Acq: 2 Jul 2018 12:32

Tgt Ion: 74 Resp: 184195

Ion Ratio Lower Upper

74 100

45 96.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

80000

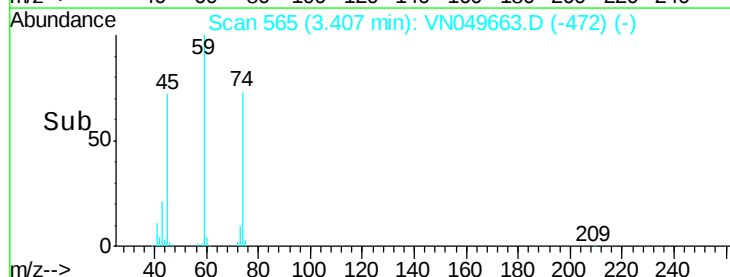
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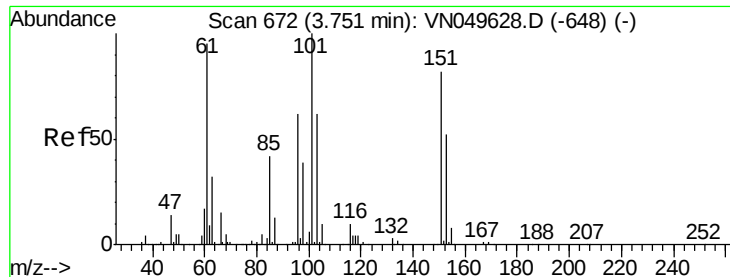
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.90 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

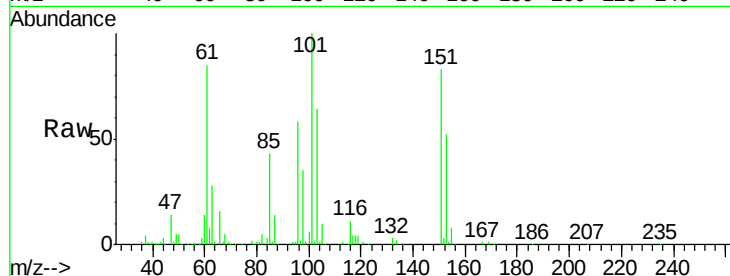
Tot Ion:101 Resp: 329869

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

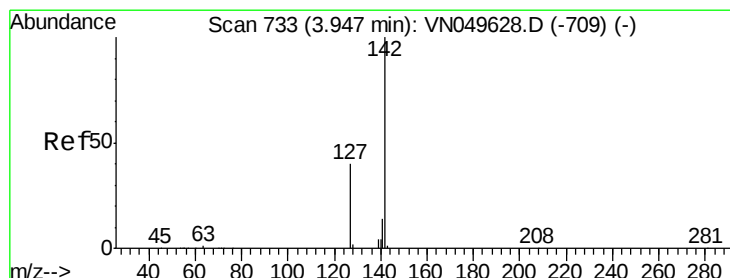
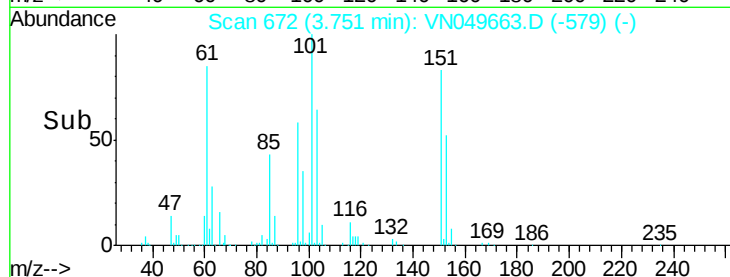
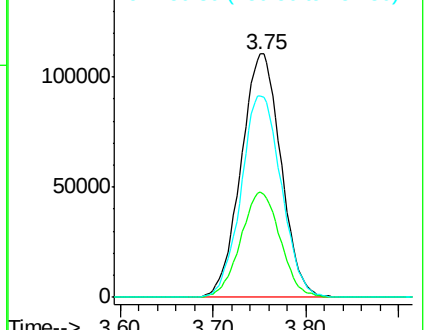
151 83.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.08 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

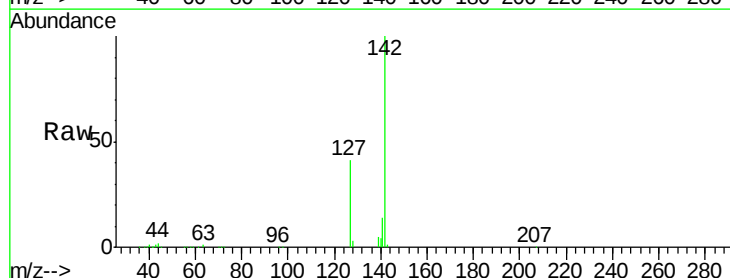
Tgt Ion:142 Resp: 457959

Ion Ratio Lower Upper

142 100

127 40.5 32.5 48.7

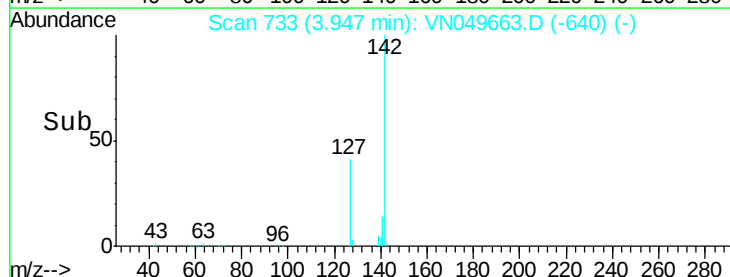
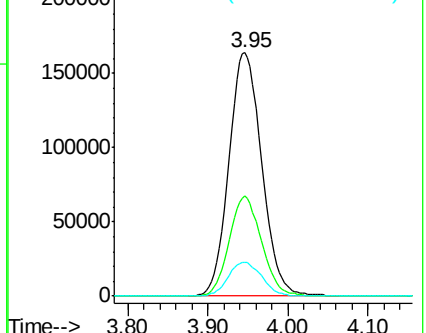
141 14.3 11.1 16.7

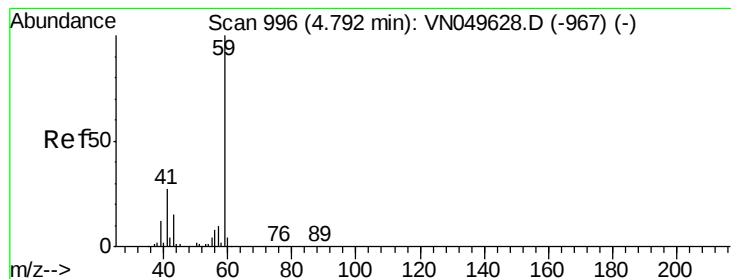


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.75 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

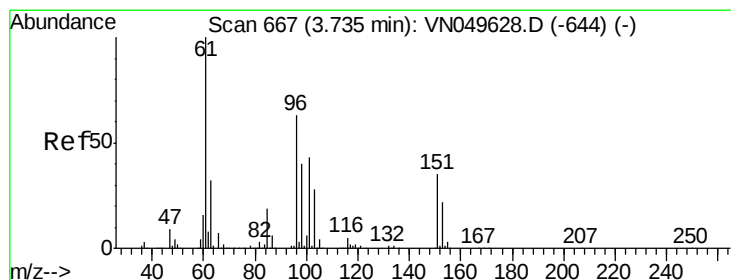
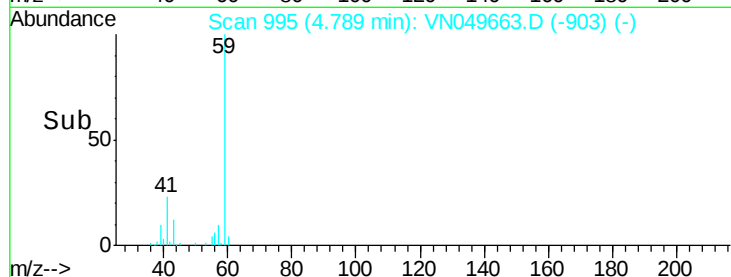
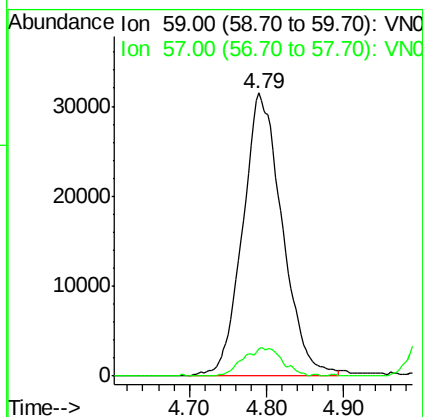
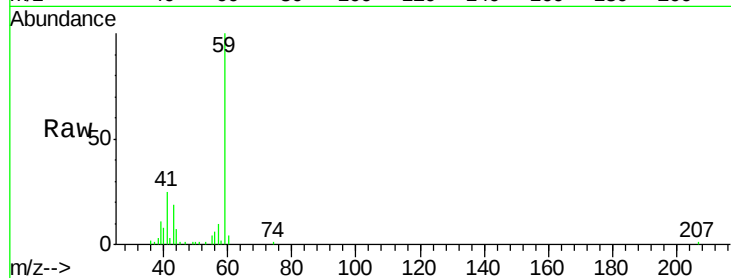
VN0702WBS01

Tot Ion: 59 Resp: 111970

Ion Ratio Lower Upper

59 100

57 5.9 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 19.51 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

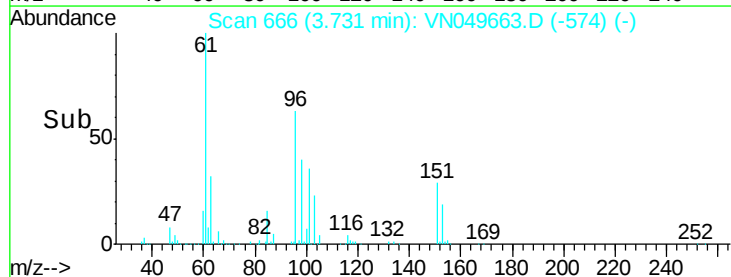
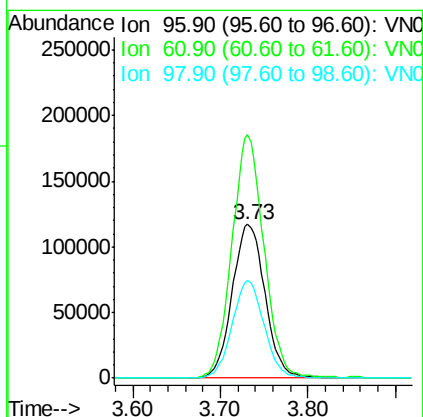
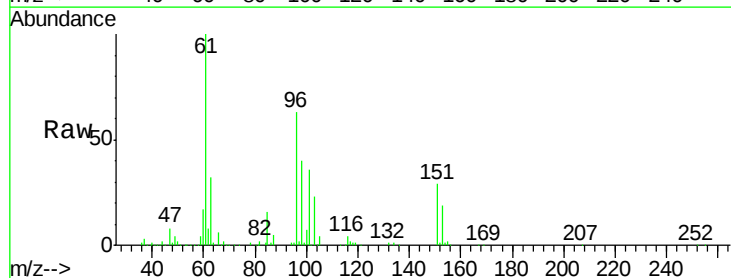
Tgt Ion: 96 Resp: 305695

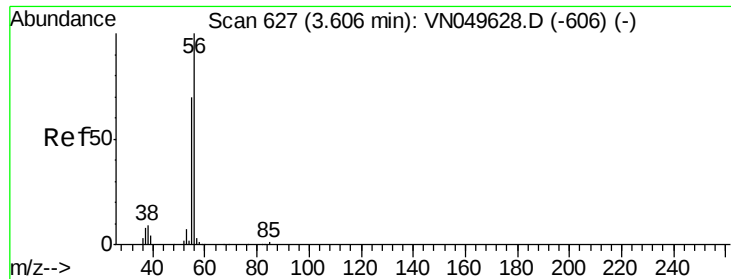
Ion Ratio Lower Upper

96 100

61 158.6 126.5 189.7

98 63.3 51.0 76.6





#13

Acrolein

Concen: 78.75 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

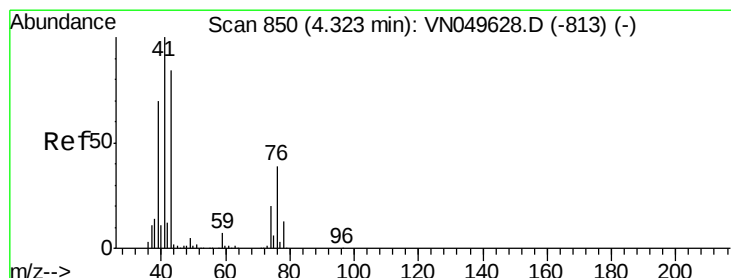
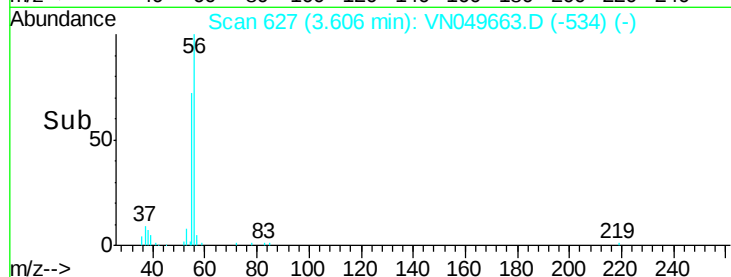
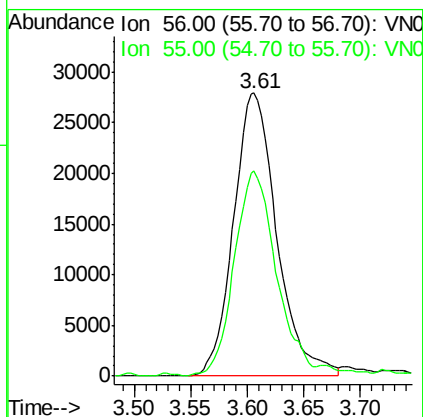
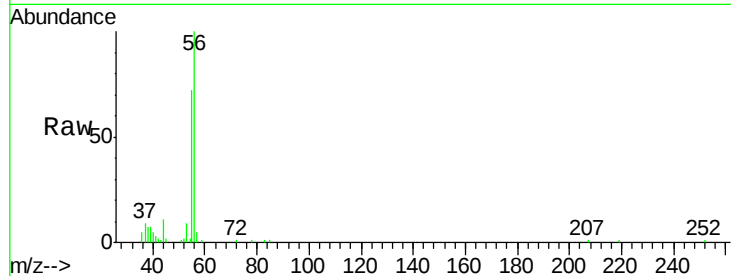
VN0702WBS01

Tot Ion: 56 Resp: 74367

Ion Ratio Lower Upper

56 100

55 70.2 55.8 83.8



#14

Allyl chloride

Concen: 21.65 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

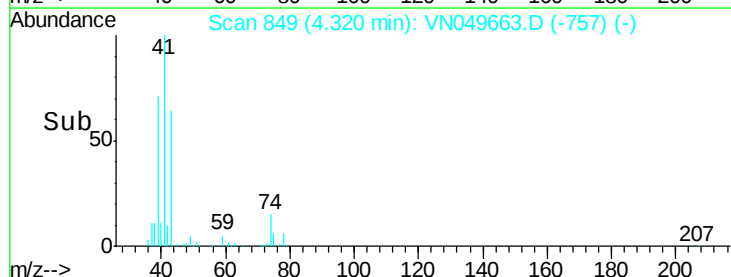
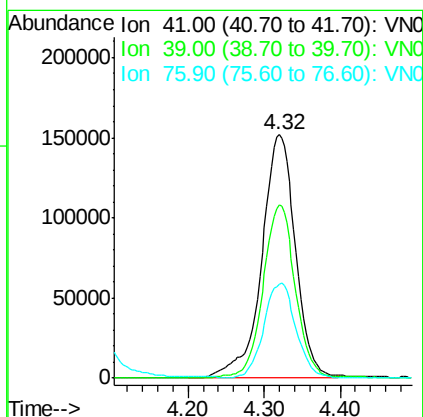
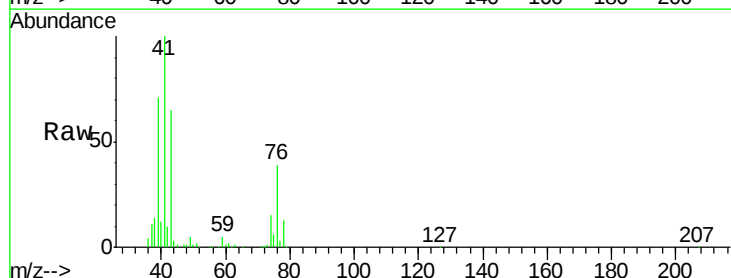
Tgt Ion: 41 Resp: 465939

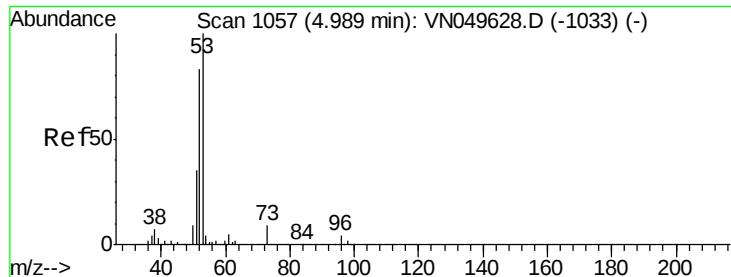
Ion Ratio Lower Upper

41 100

39 67.6 53.2 79.8

76 36.5 29.0 43.6





#15

Acrylonitrile

Concen: 99.45 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

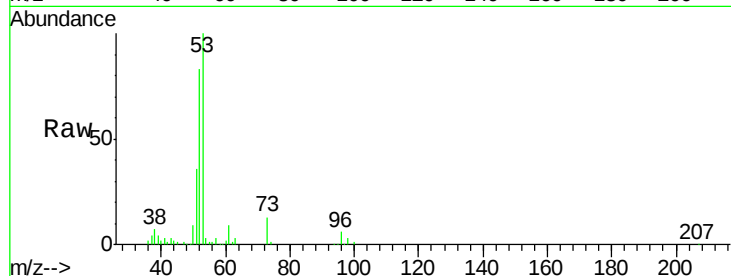
Tot Ion: 53 Resp: 519323

Ion Ratio Lower Upper

53 100

52 83.7 64.8 97.2

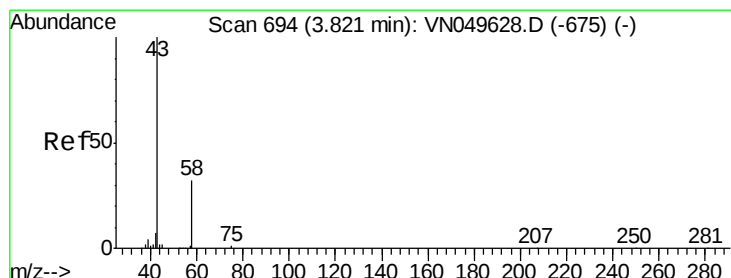
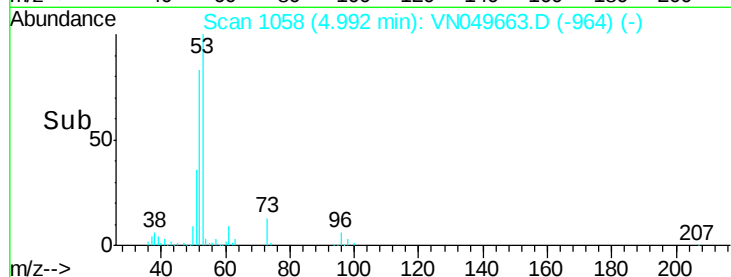
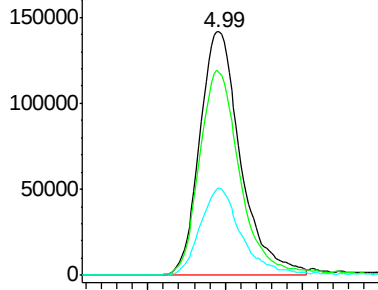
51 35.3 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049663.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN049663.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN049663.D (-964) (-)



#16

Acetone

Concen: 107.07 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049663.D

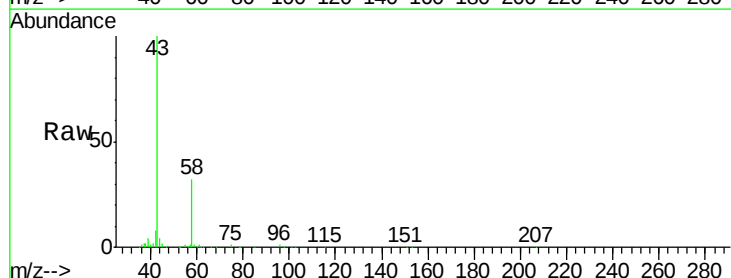
Acq: 2 Jul 2018 12:32

Tgt Ion: 43 Resp: 395013

Ion Ratio Lower Upper

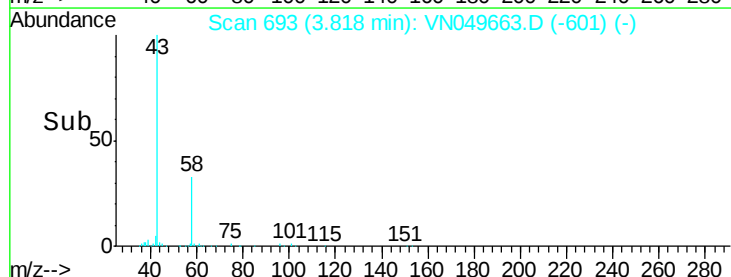
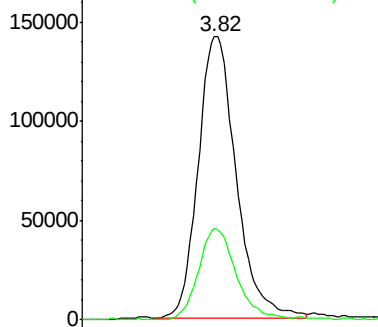
43 100

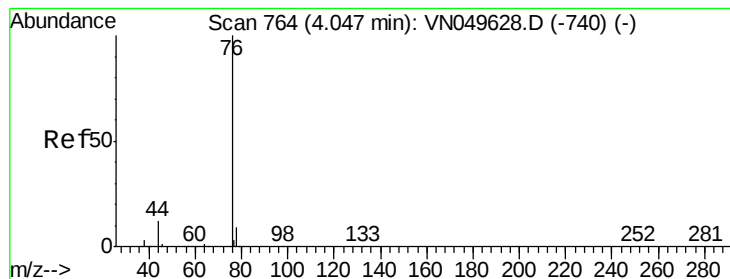
58 32.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049663.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049663.D (-601) (-)





#17

Carbon Disulfide

Concen: 20.47 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

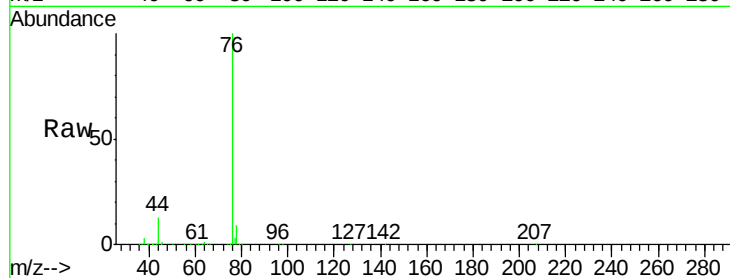
VN0702WBS01

Tot Ion: 76 Resp: 891818

Ion Ratio Lower Upper

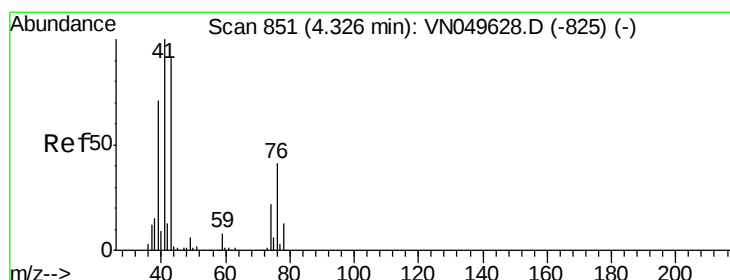
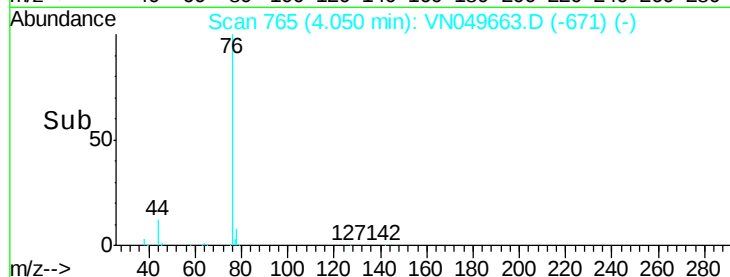
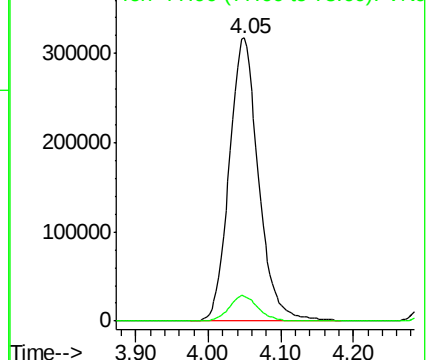
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 15.74 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049663.D

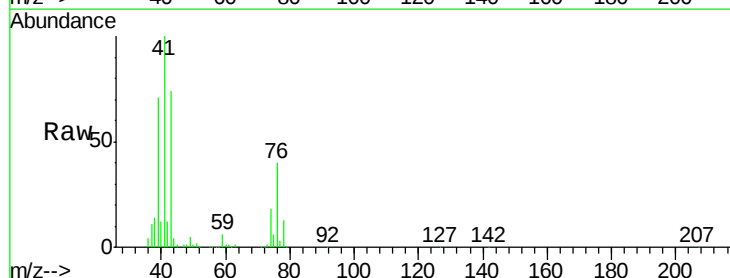
Acq: 2 Jul 2018 12:32

Tgt Ion: 43 Resp: 303951

Ion Ratio Lower Upper

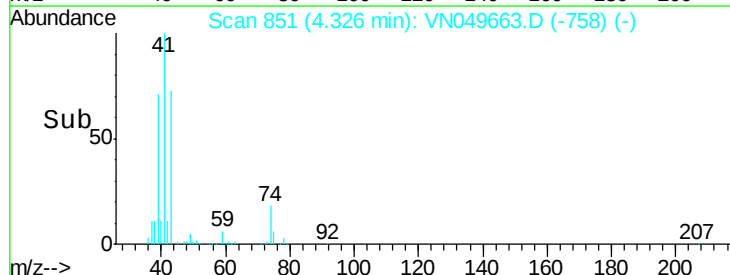
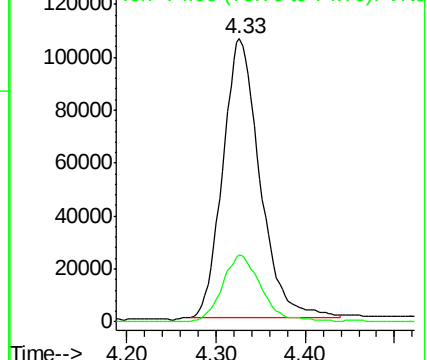
43 100

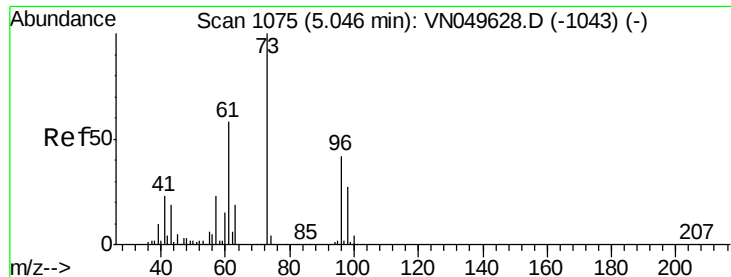
74 25.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 20.10 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

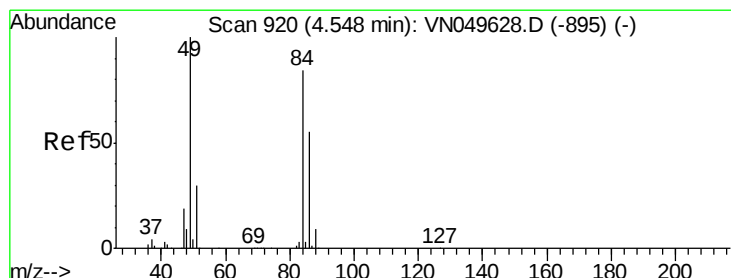
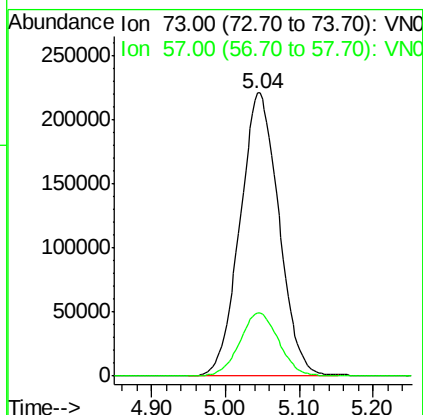
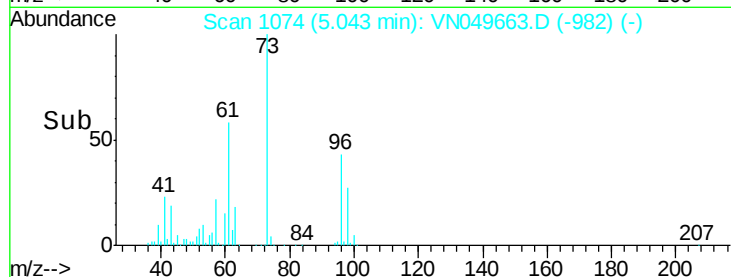
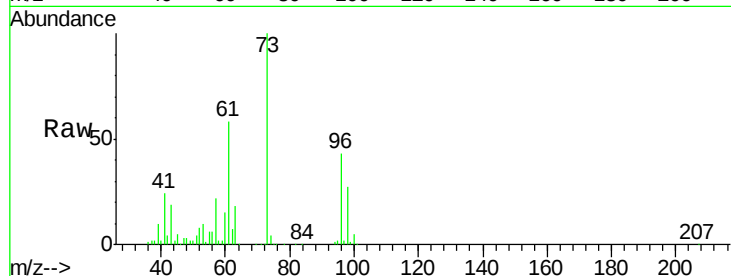
VN0702WBS01

Tot Ion: 73 Resp: 812068

Ion Ratio Lower Upper

73 100

57 22.4 18.1 27.1



#20

Methylene Chloride

Concen: 19.57 ug/l

RT: 4.54 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion: 84 Resp: 355020

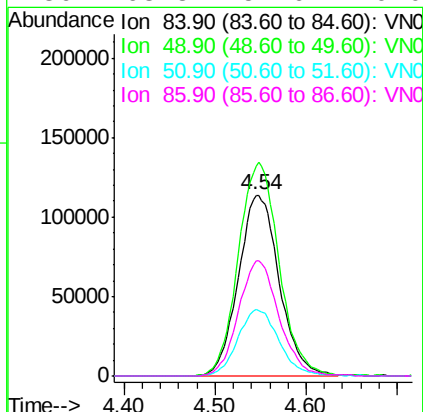
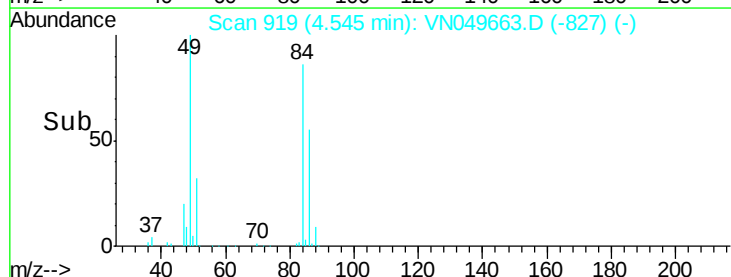
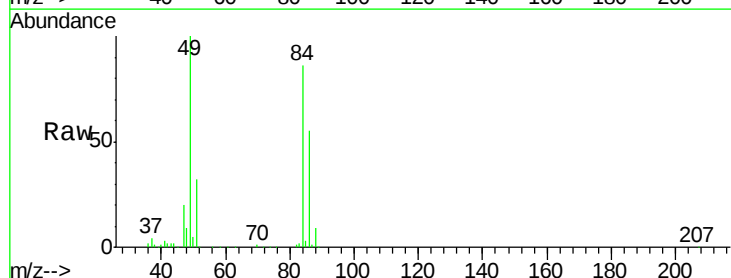
Ion Ratio Lower Upper

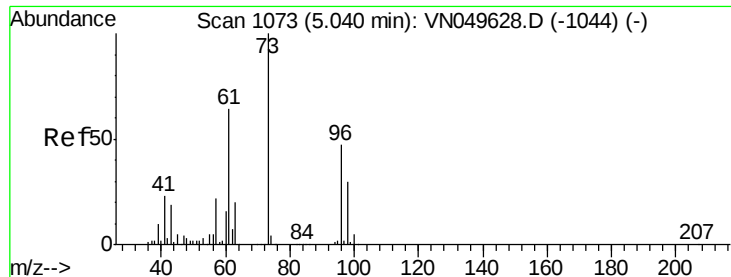
84 100

49 116.2 95.4 143.2

51 37.0 28.4 42.6

86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

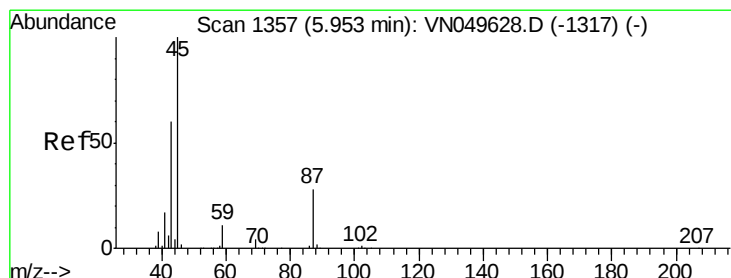
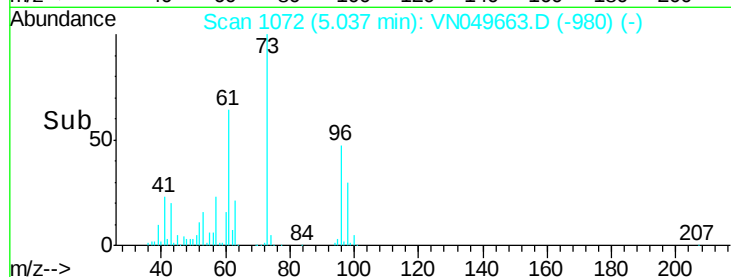
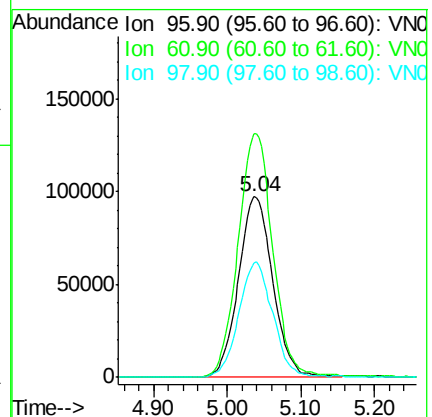
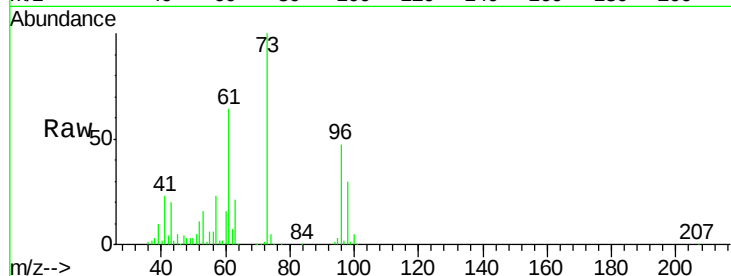
Tot Ion: 96 Resp: 316320

Ion Ratio Lower Upper

96 100

61 134.8 109.0 163.6

98 63.4 51.1 76.7



#22

Diisopropyl ether

Concen: 19.94 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion: 45 Resp: 971261

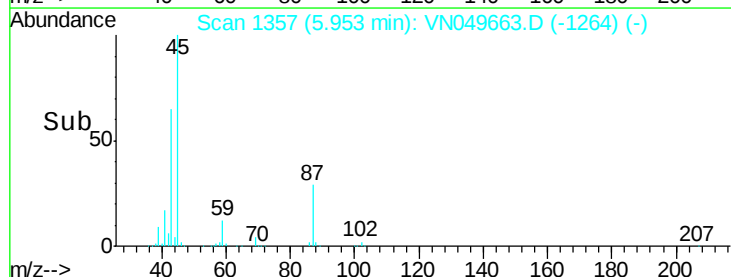
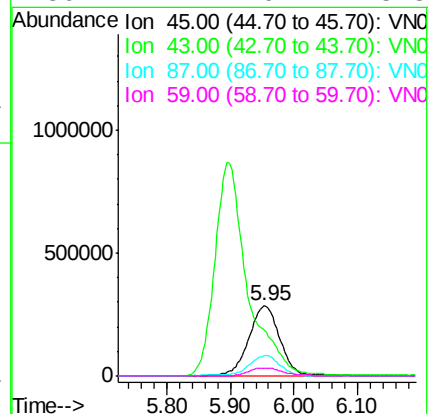
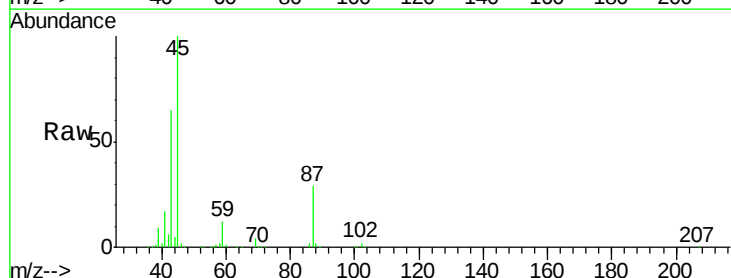
Ion Ratio Lower Upper

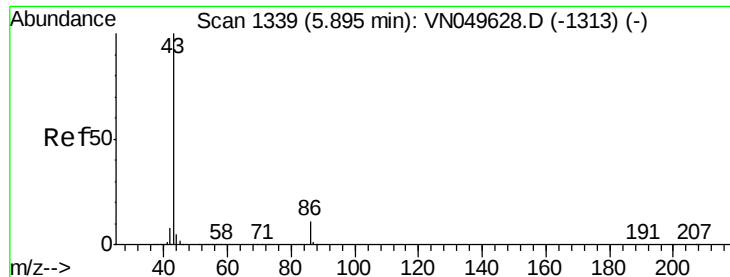
45 100

43 63.0 48.1 72.1

87 28.3 22.6 34.0

59 11.4 9.2 13.8





#23

Vinyl Acetate

Concen: 98.21 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

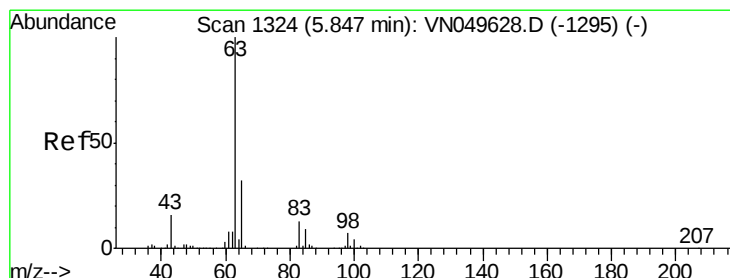
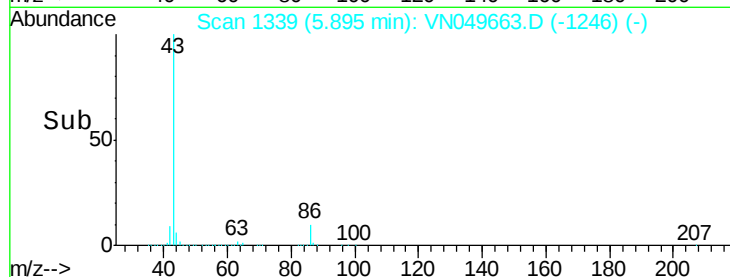
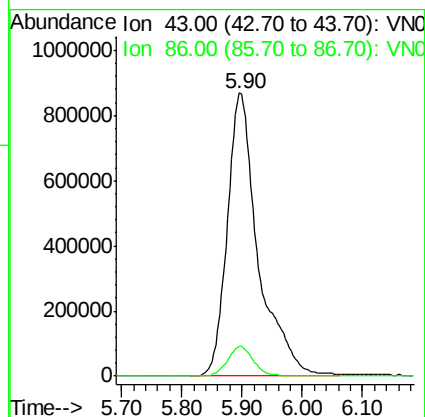
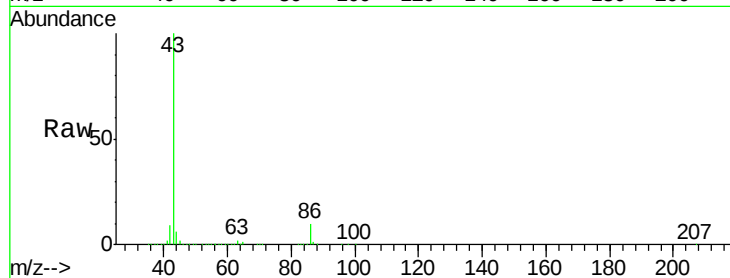
VN0702WBS01

Tot Ion: 43 Resp: 3101569

Ion Ratio Lower Upper

43 100

86 10.4 8.4 12.6



#24

1,1-Dichloroethane

Concen: 19.76 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

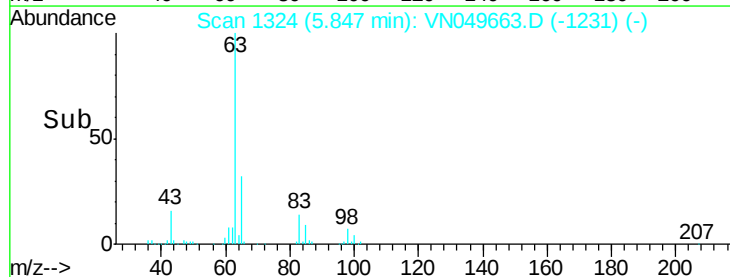
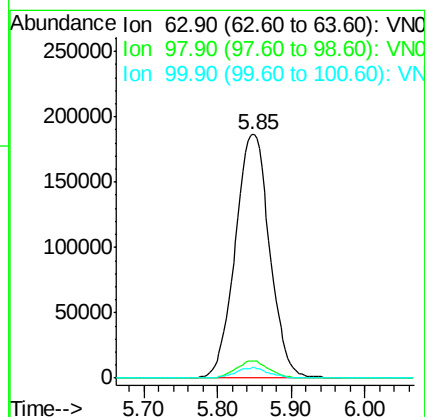
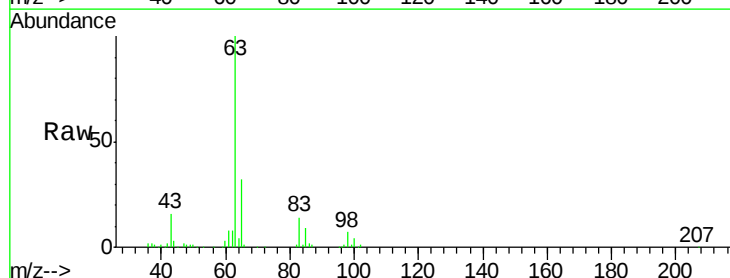
Tgt Ion: 63 Resp: 606317

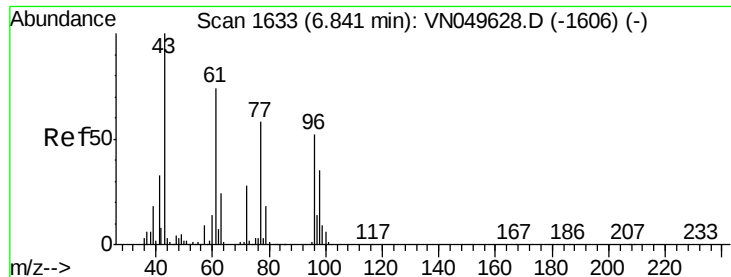
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 103.27 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

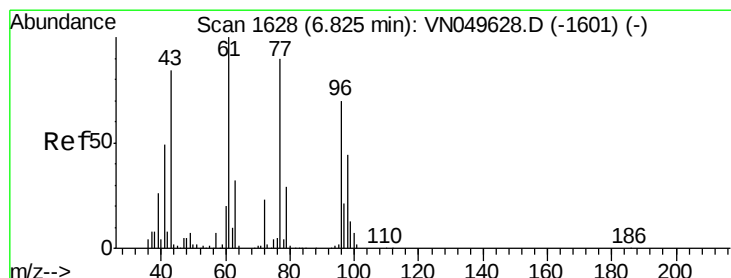
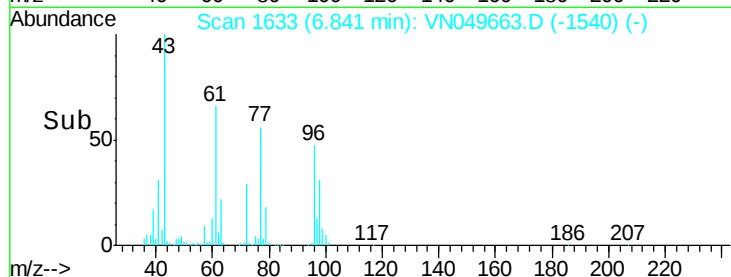
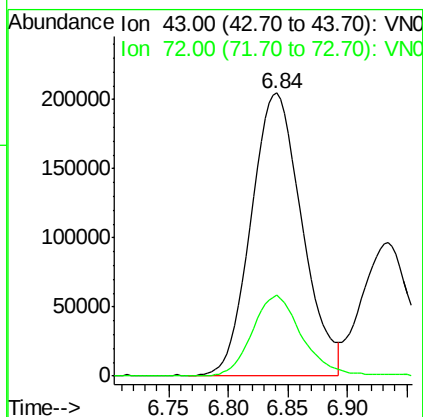
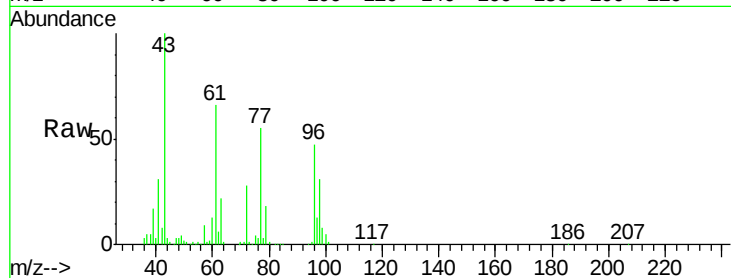
VN0702WBS01

Tot Ion: 43 Resp: 604015

Ion Ratio Lower Upper

43 100

72 28.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 19.76 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049663.D

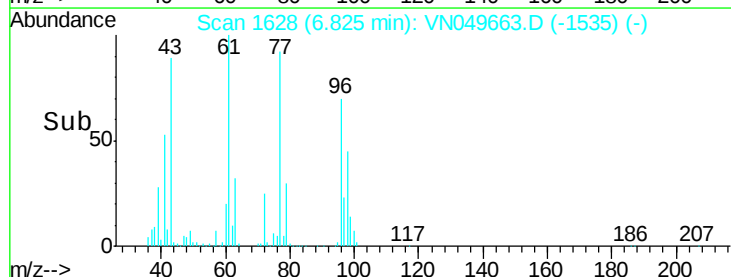
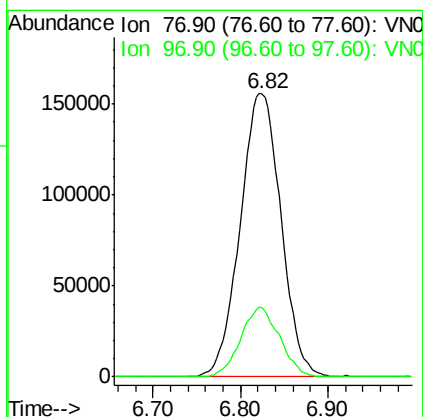
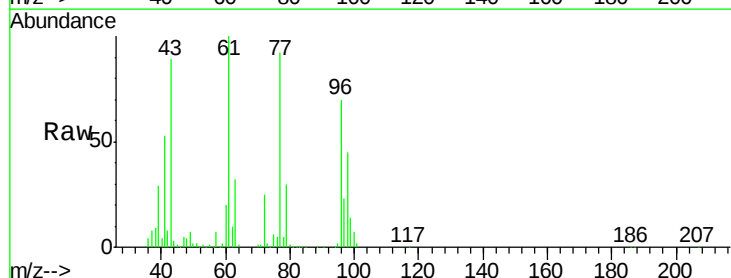
Acq: 2 Jul 2018 12:32

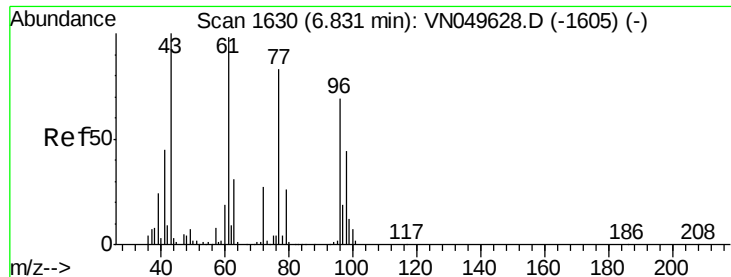
Tgt Ion: 77 Resp: 503420

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.73 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

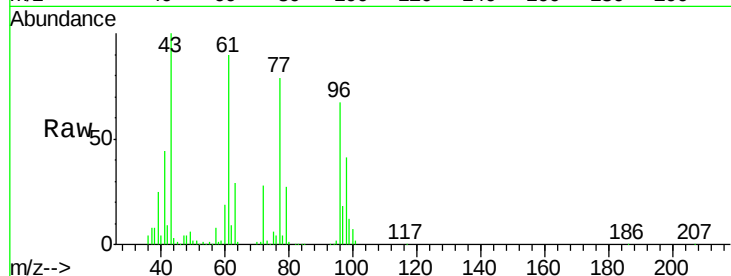
Tot Ion: 96 Resp: 355362

Ion Ratio Lower Upper

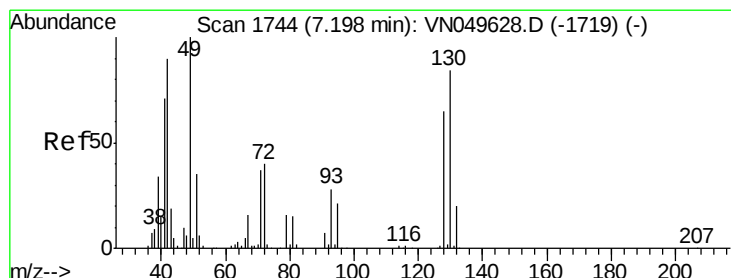
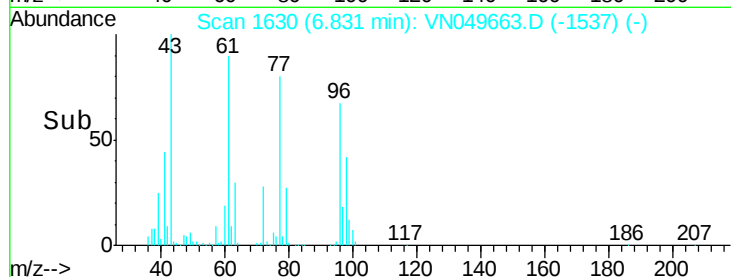
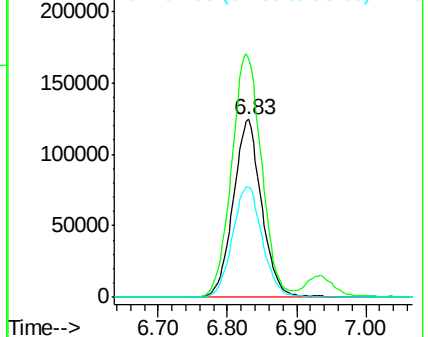
96 100

61 144.3 0.0 289.0

98 65.2 0.0 130.2



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: 19.45 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

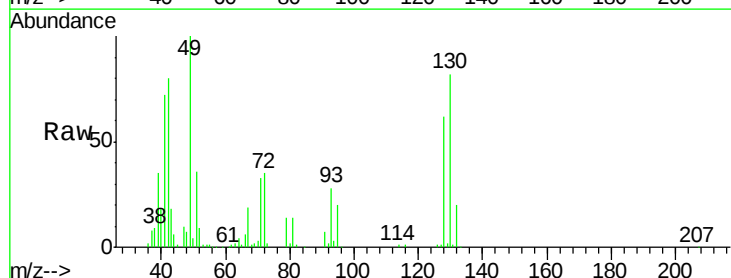
Tgt Ion: 49 Resp: 253302

Ion Ratio Lower Upper

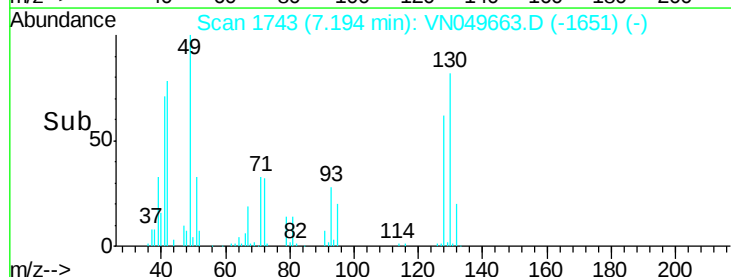
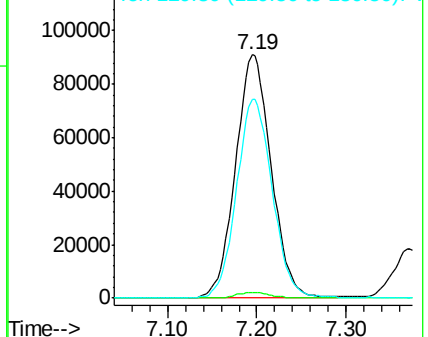
49 100

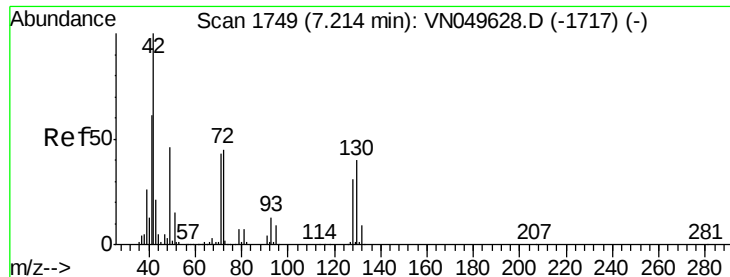
129 2.3 0.0 4.2

130 81.8 65.5 98.3



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: 104.59 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

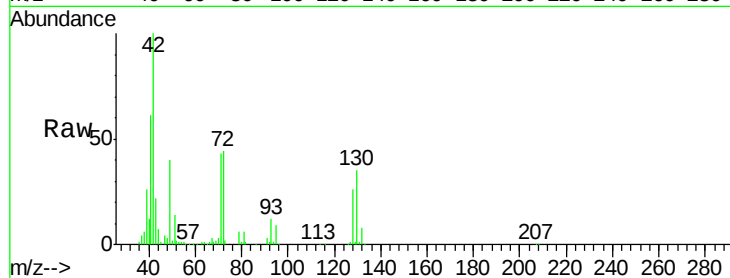
Tot Ion: 42 Resp: 389892

Ion Ratio Lower Upper

42 100

72 45.2 35.6 53.4

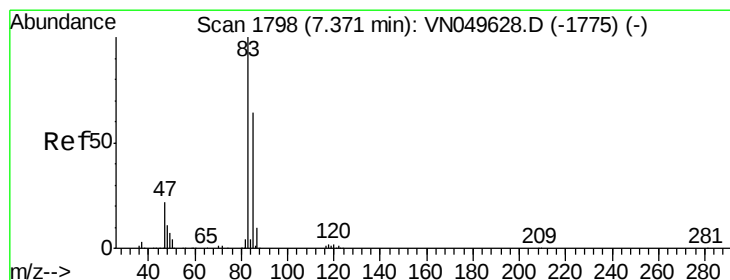
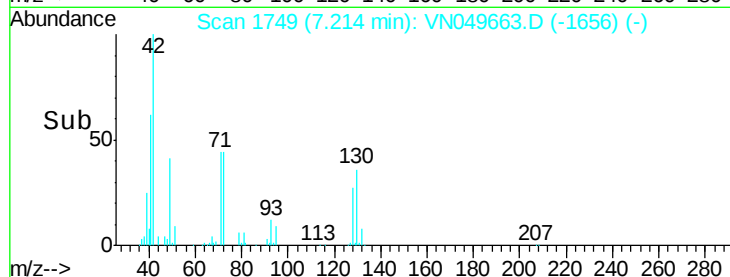
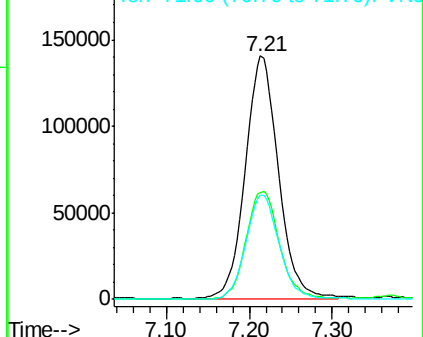
71 43.2 34.0 51.0



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: 19.28 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN049663.D

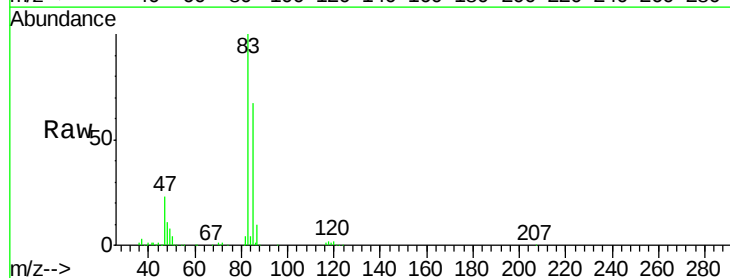
Acq: 2 Jul 2018 12:32

Tgt Ion: 83 Resp: 602971

Ion Ratio Lower Upper

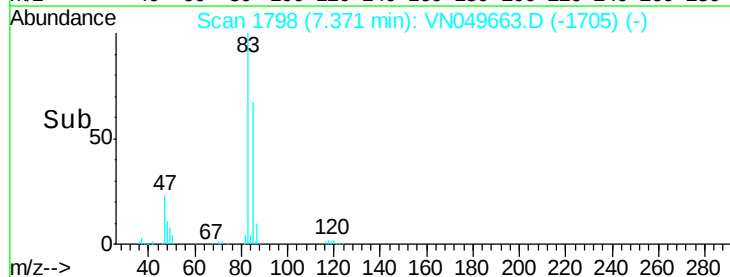
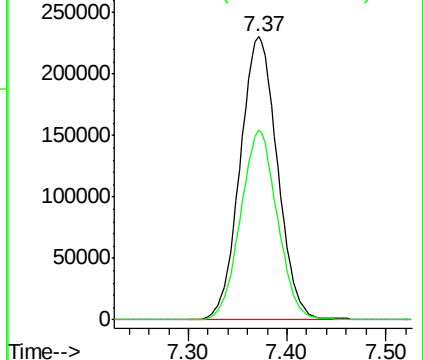
83 100

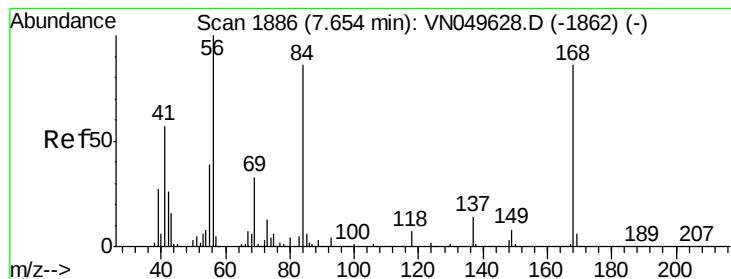
85 66.9 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.30 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

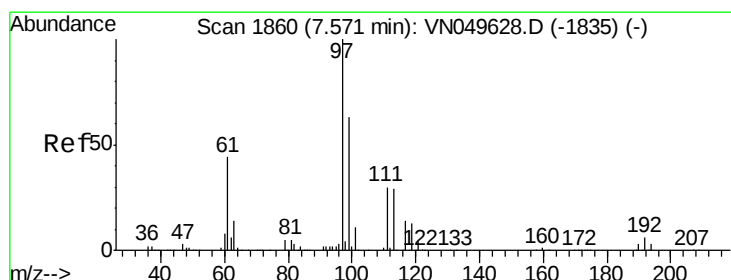
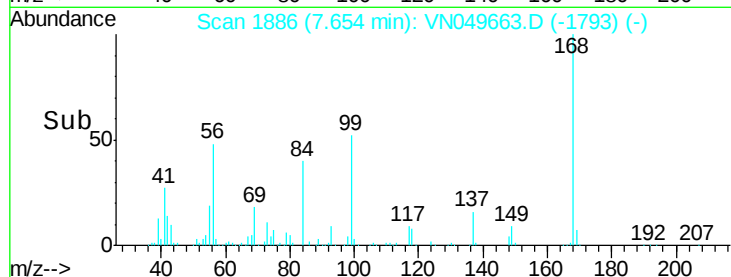
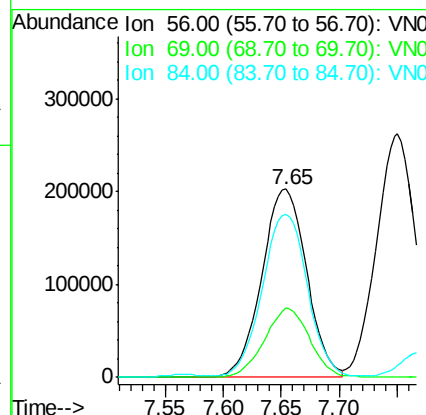
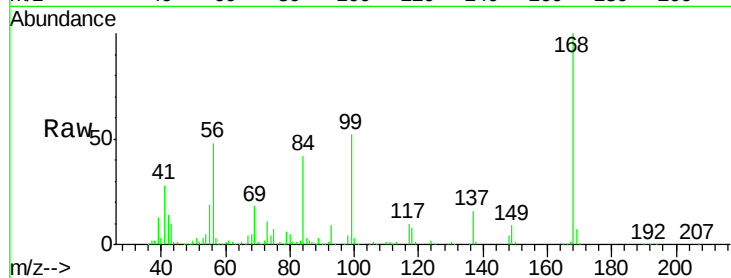
Tot Ion: 56 Resp: 545411

Ion Ratio Lower Upper

56 100

69 36.8 26.6 40.0

84 85.1 69.0 103.6



#32

1,1,1-Trichloroethane

Concen: 19.85 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

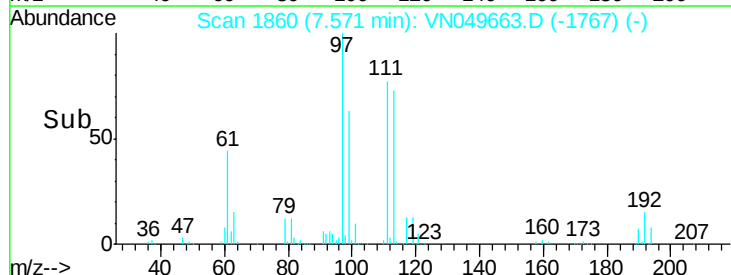
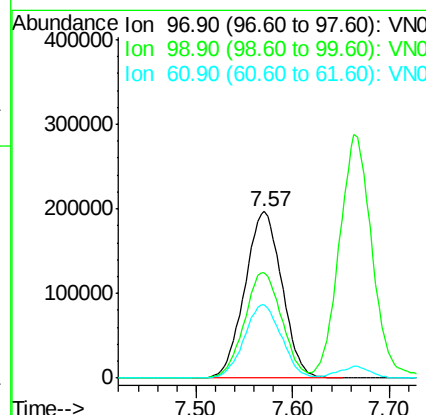
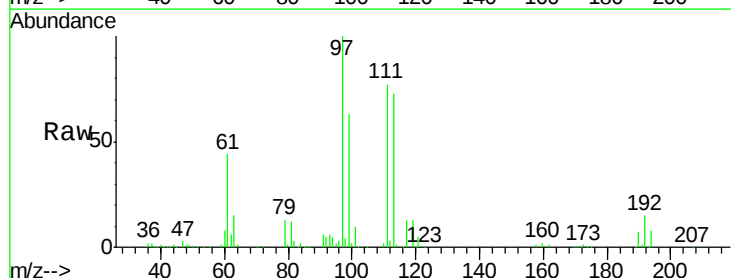
Tgt Ion: 97 Resp: 525656

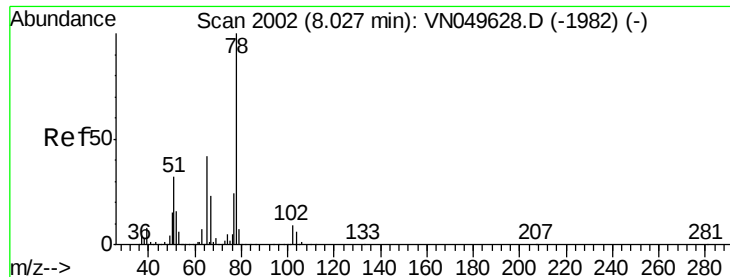
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 44.1 35.5 53.3

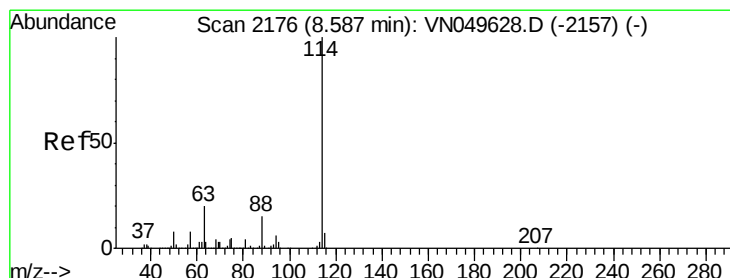
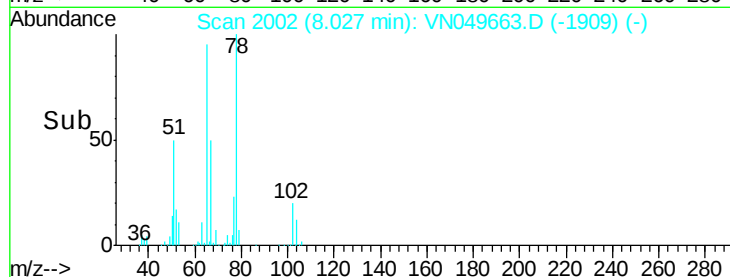
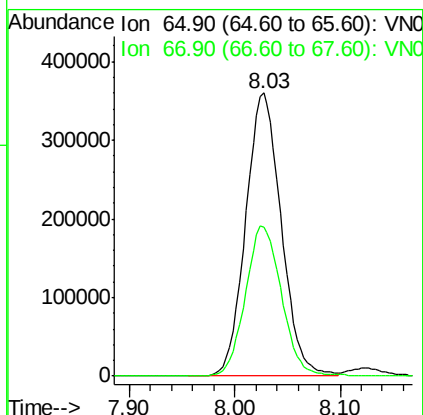
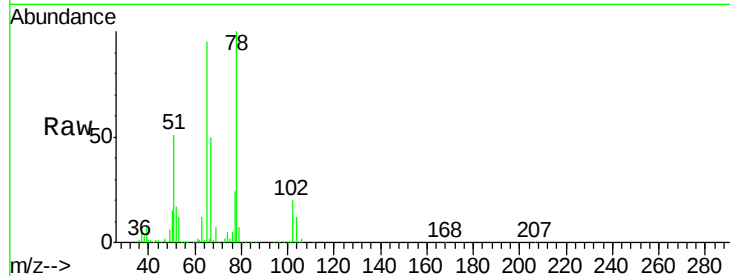




#33
 1,2-Dichloroethane-d4
 Concen: 47.95 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

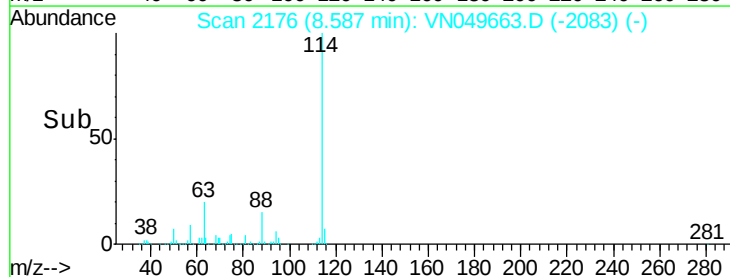
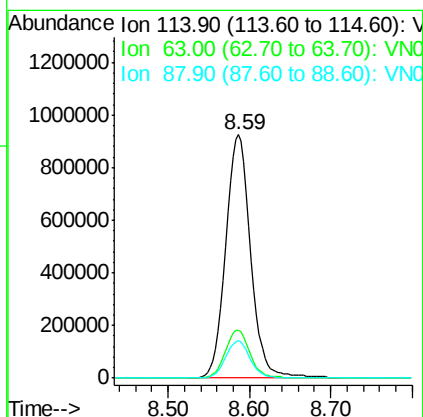
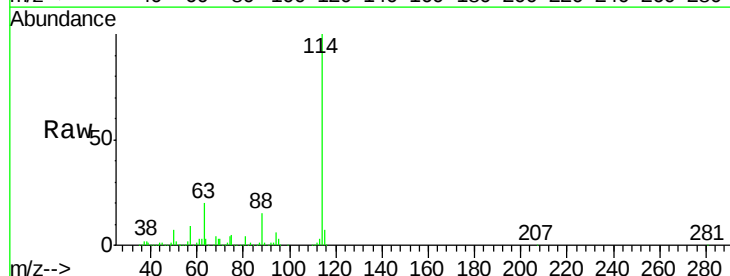
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

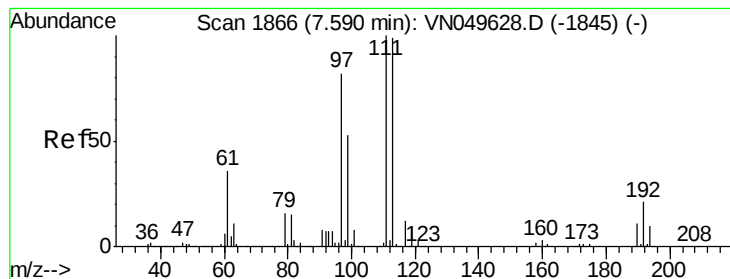
Tot Ion: 65 Resp: 844849
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion: 114 Resp: 1997940
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.14 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

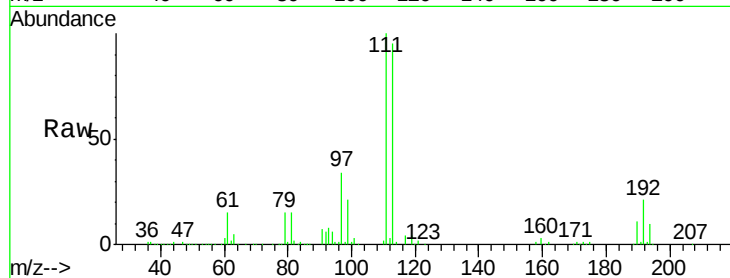
Tot Ion:113 Resp: 734015

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

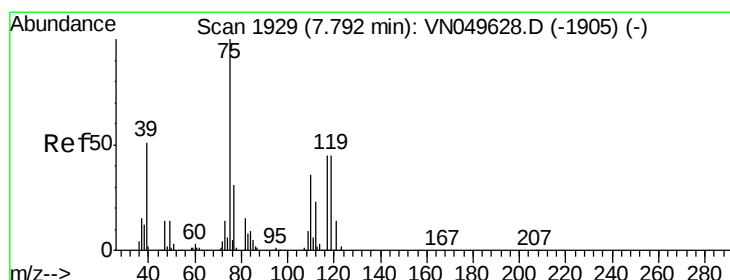
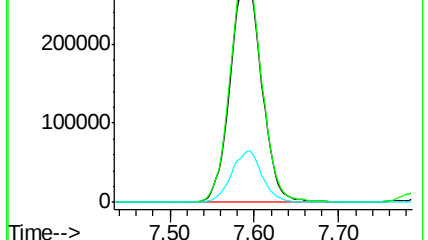
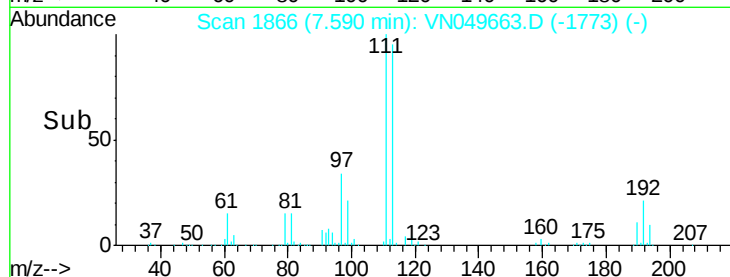
192 22.2 17.8 26.6



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: 20.06 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

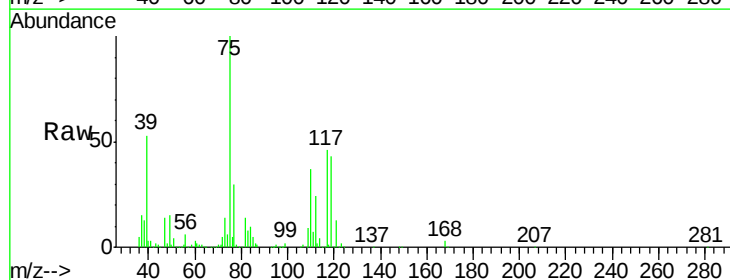
Tgt Ion: 75 Resp: 450932

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.4

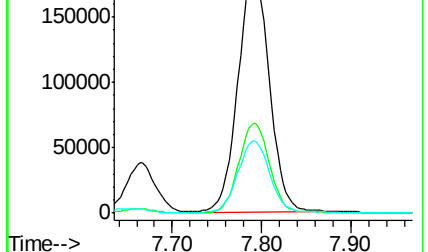
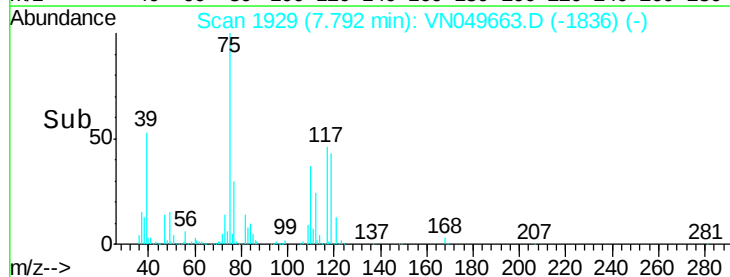
77 31.1 24.9 37.3

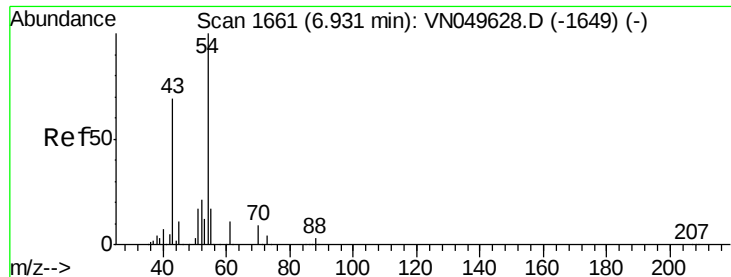


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

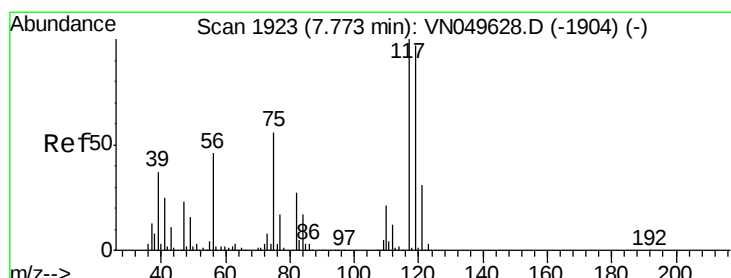
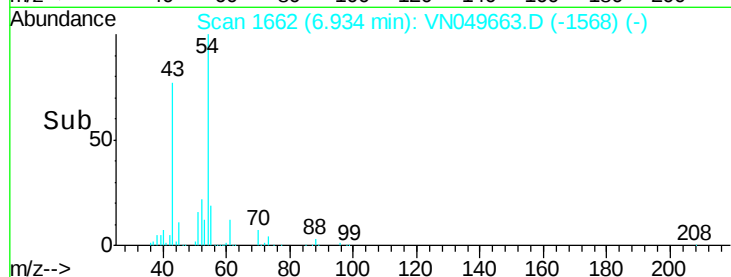
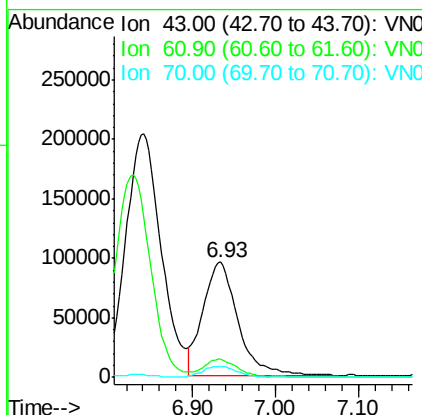
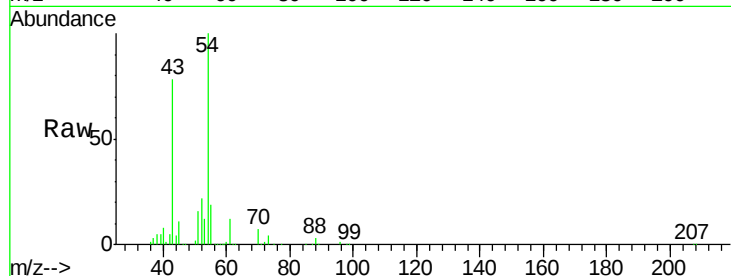




#37
Ethyl Acetate
Concen: 21.67 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

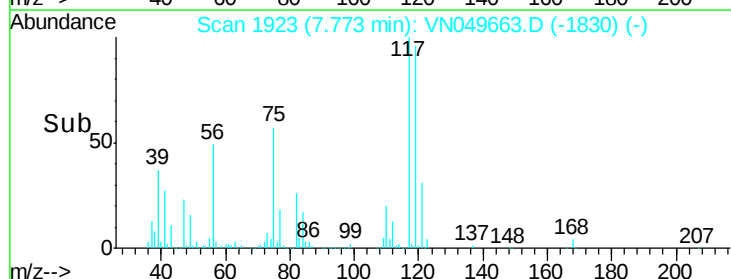
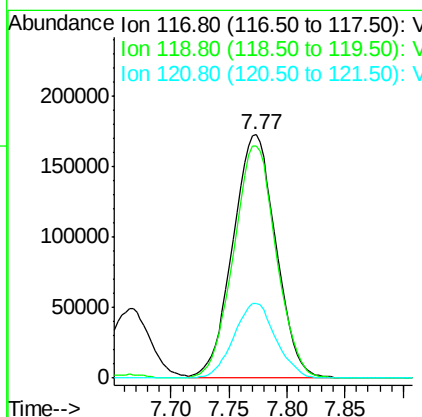
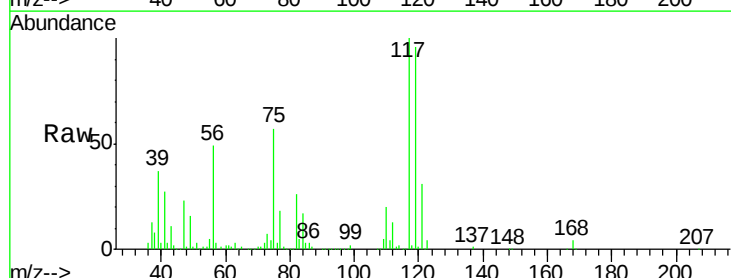
Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

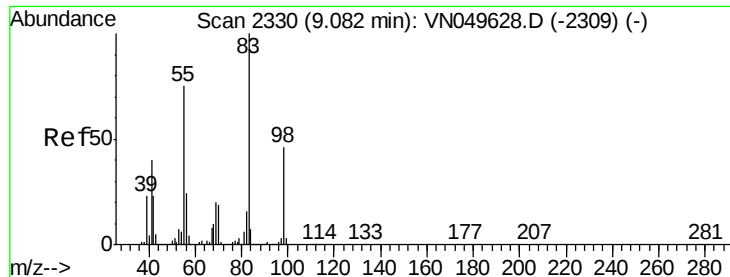
Tot Ion: 43 Resp: 284067
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 9.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.23 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 117 Resp: 442254
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 30.9 25.0 37.6

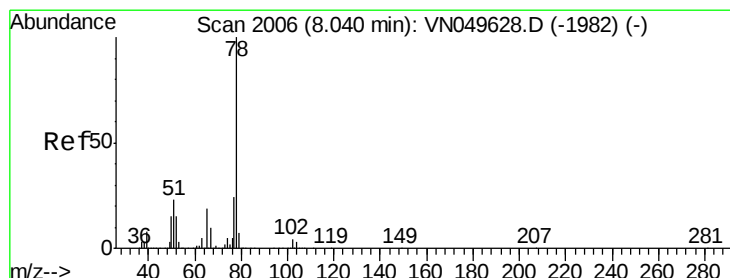
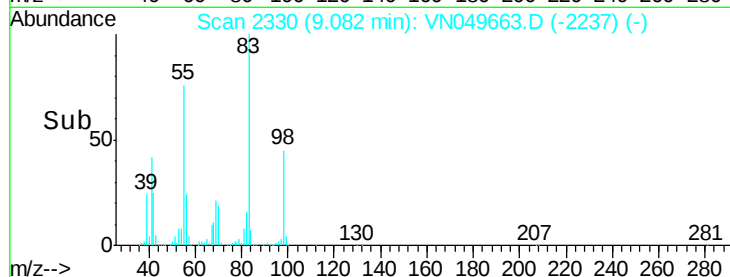
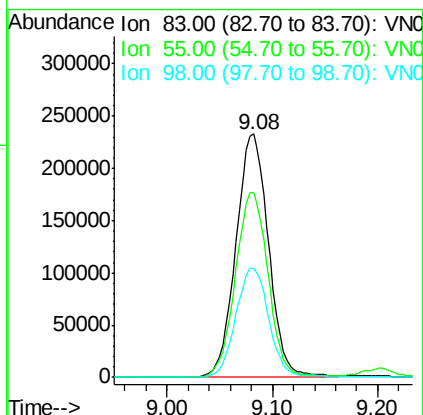
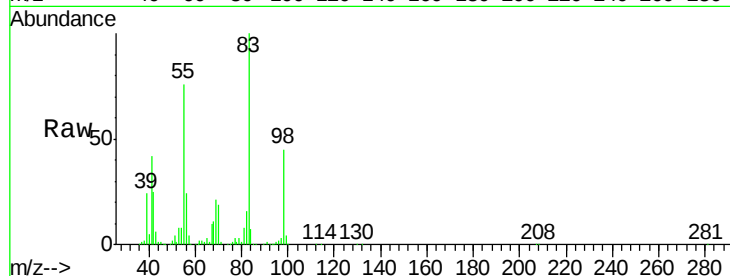




#39
Methvlcvclohexane
Concen: 20.34 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

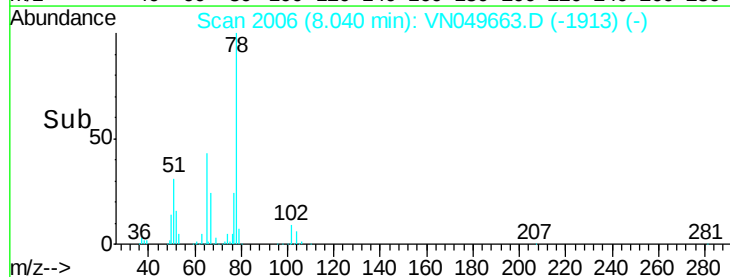
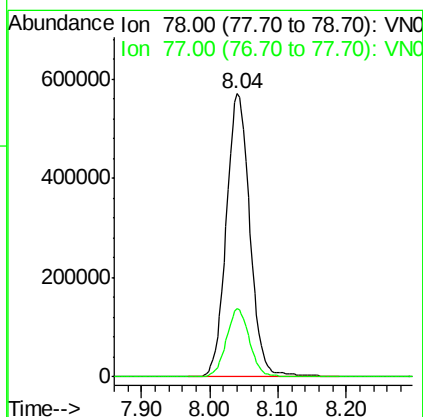
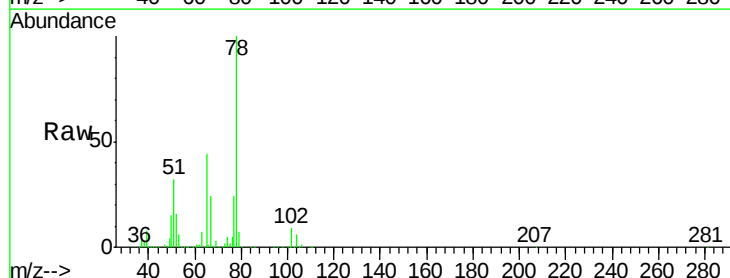
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

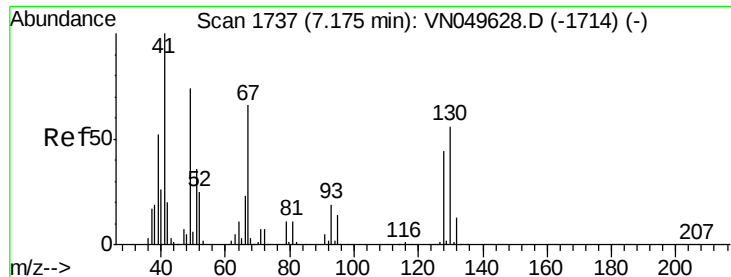
Tot Ion: 83 Resp: 501271
Ion Ratio Lower Upper
83 100
55 76.1 59.7 89.5
98 45.0 36.5 54.7



#40
Benzene
Concen: 20.01 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 78 Resp: 1373421
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

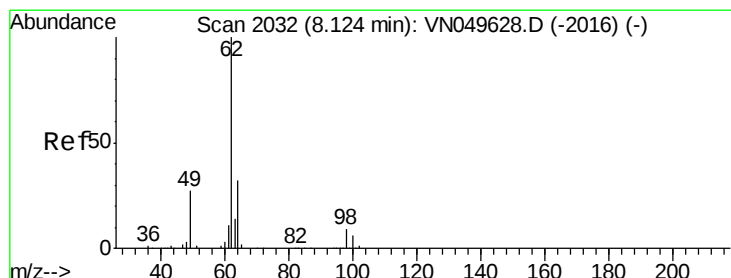
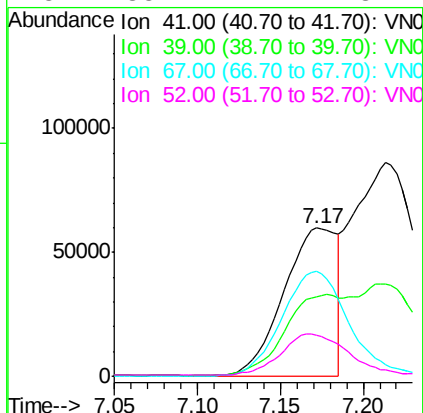
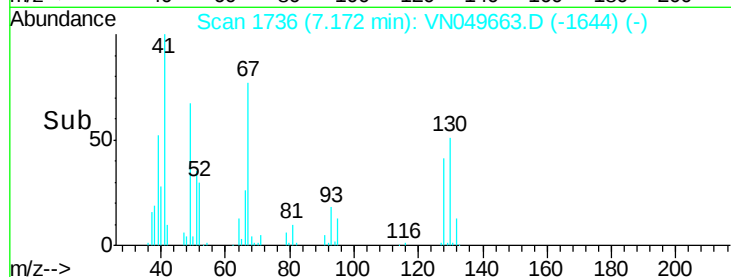
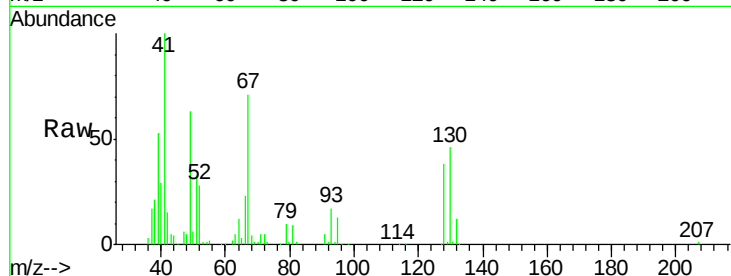




#41
Methacrylonitrile
Concen: 18.02 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

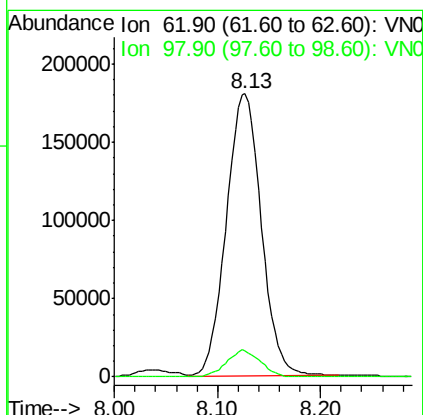
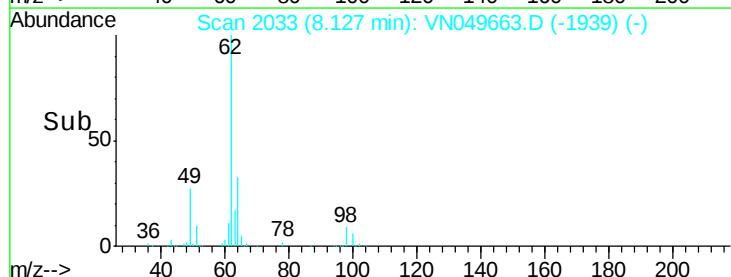
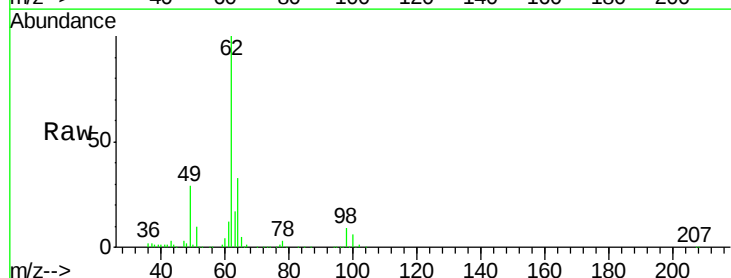
Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

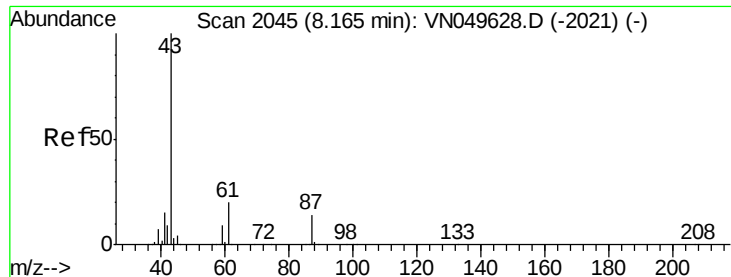
Tot Ion:	41	Resp:	133170
Ion	Ratio	Lower	Upper
41	100		
39	58.4	45.4	68.2
67	90.4	65.4	98.0
52	35.7	24.7	37.1



#42
1,2-Dichloroethane
Concen: 19.49 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion:	62	Resp:	426919
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.0



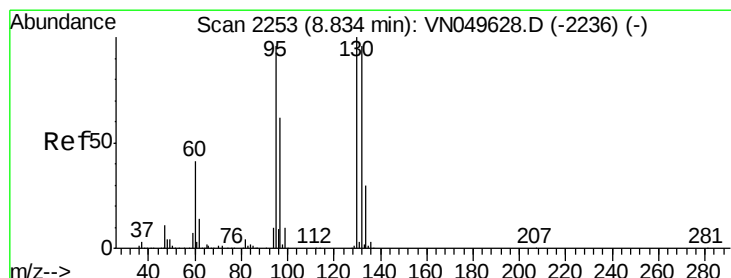
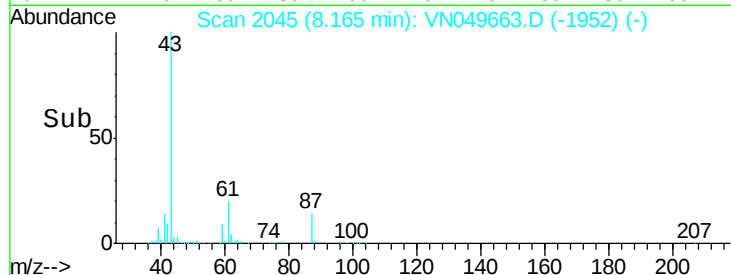
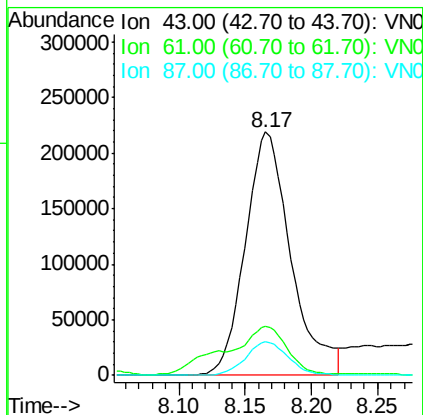
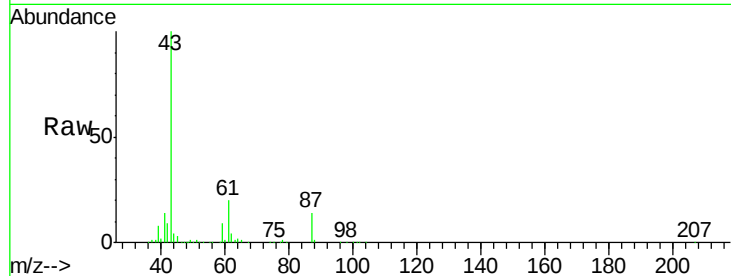


#43

Isopropyl Acetate
 Concen: 19.62 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

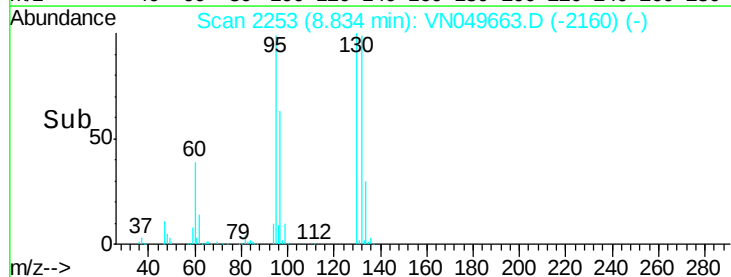
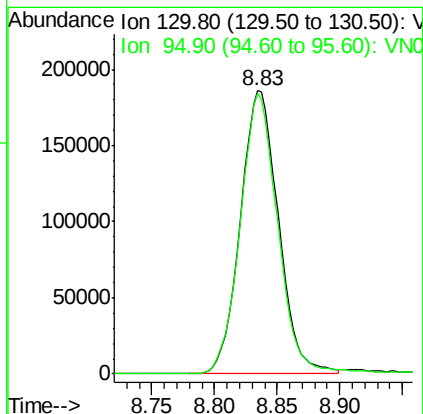
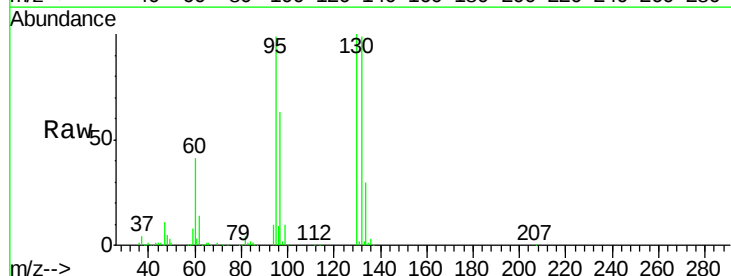
Tot Ion: 43 Resp: 519917
 Ion Ratio Lower Upper
 43 100
 61 27.1 14.9 22.3#
 87 12.9 10.0 15.0

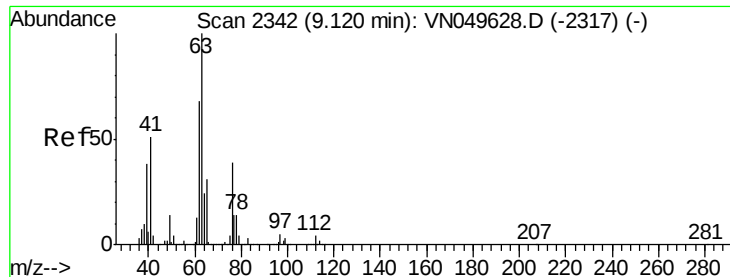


#44

Trichloroethene
 Concen: 19.00 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion: 130 Resp: 393305
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 192.8





#45

1,2-Dichloropropane

Concen: 20.15 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

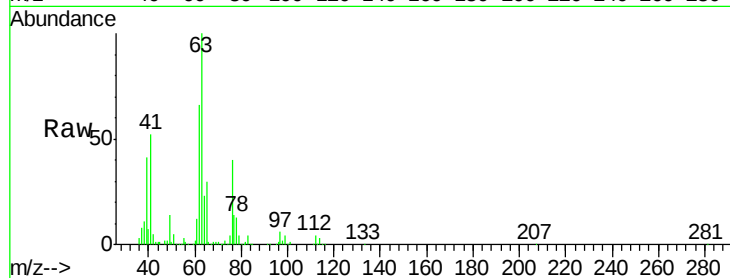
VN0702WBS01

Tot Ion: 63 Resp: 357404

Ion Ratio Lower Upper

63 100

65 30.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

200000

150000

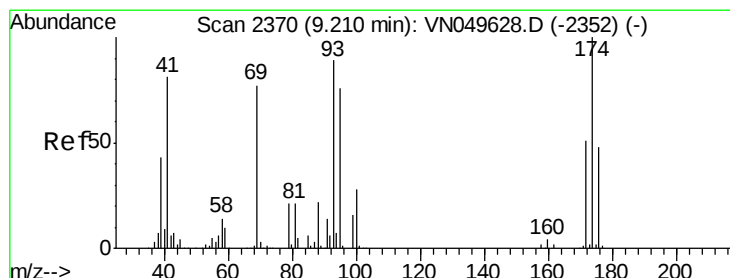
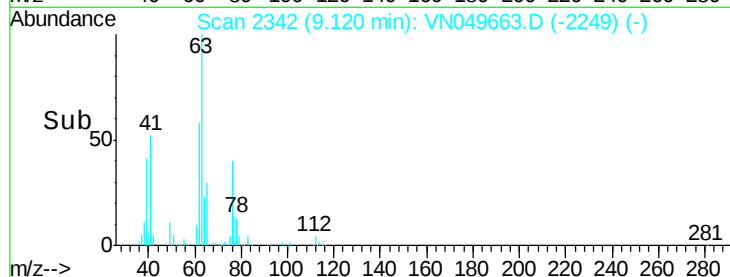
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 19.91 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

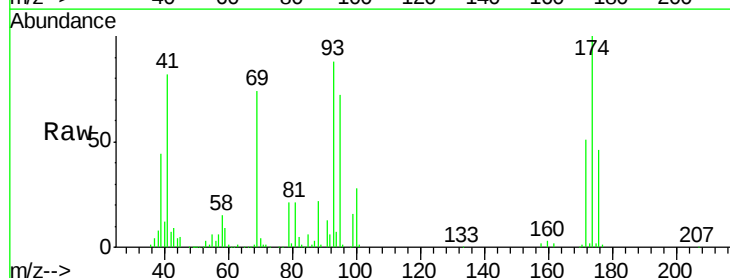
Tgt Ion: 93 Resp: 213615

Ion Ratio Lower Upper

93 100

95 83.2 67.9 101.9

174 110.0 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

150000

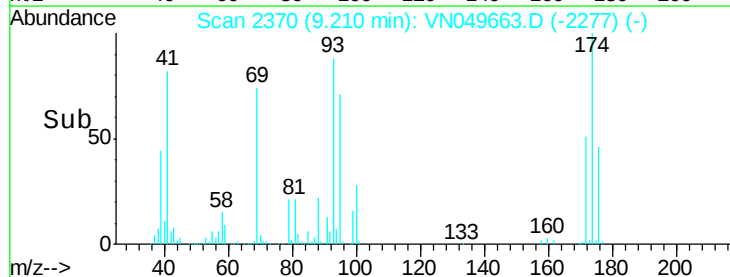
100000

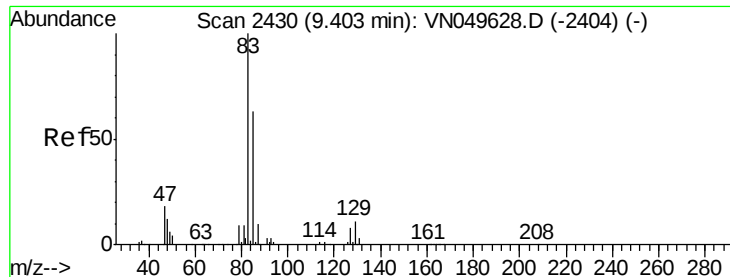
50000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 19.98 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

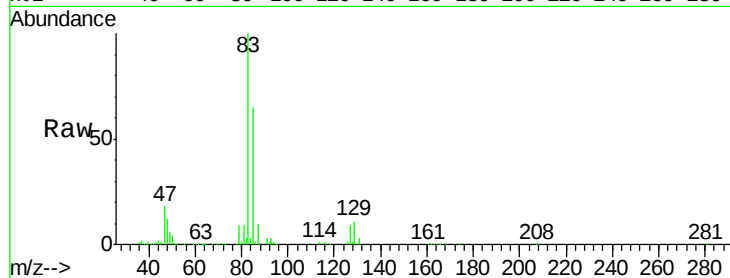
Tot Ion: 83 Resp: 456275

Ion Ratio Lower Upper

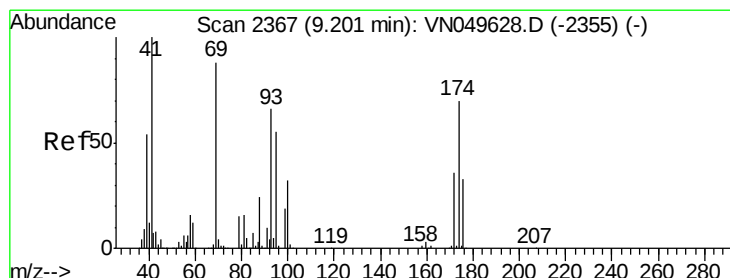
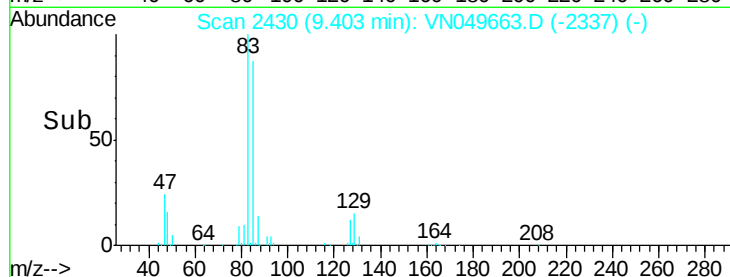
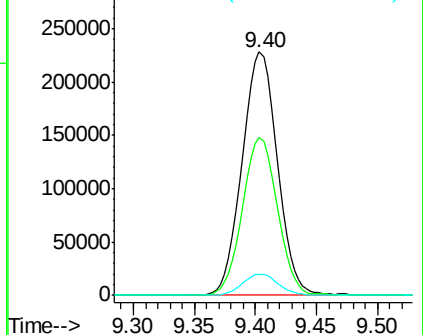
83 100

85 64.9 50.5 75.7

127 8.8 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.79 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

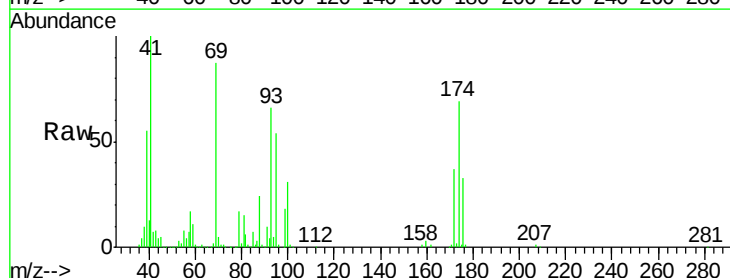
Tgt Ion: 41 Resp: 242226

Ion Ratio Lower Upper

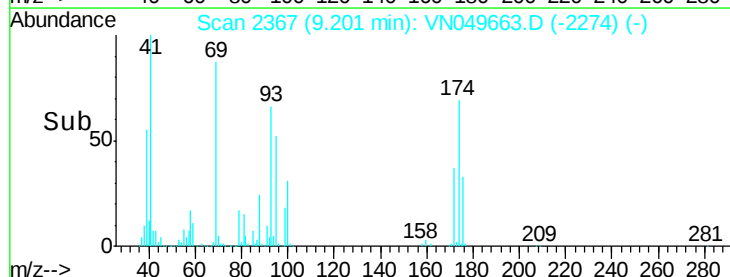
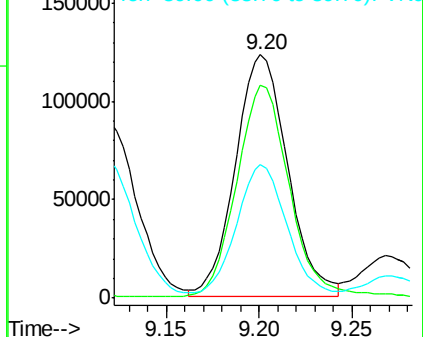
41 100

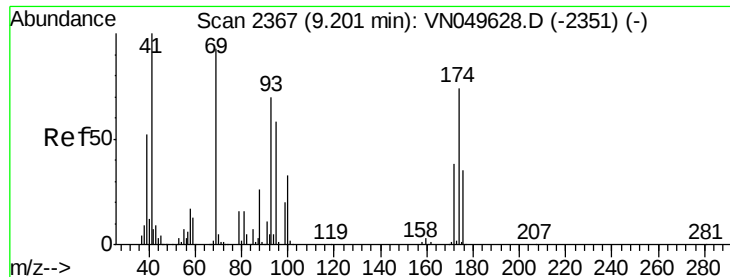
69 89.1 71.5 107.3

39 53.5 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

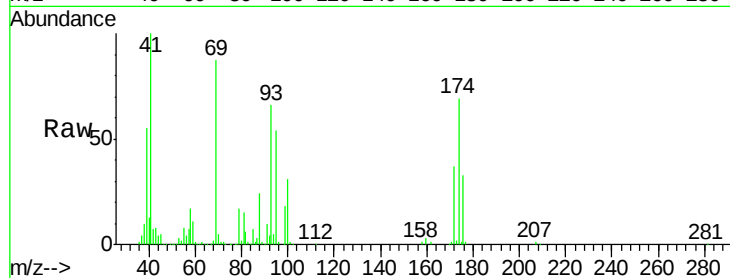




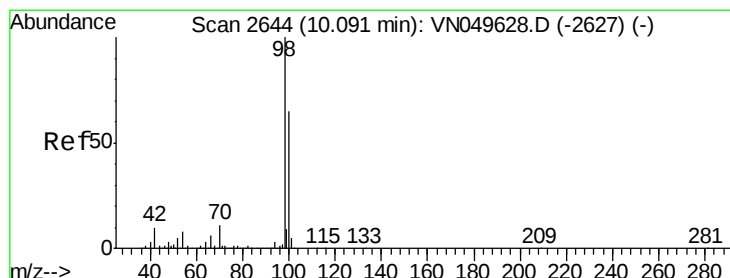
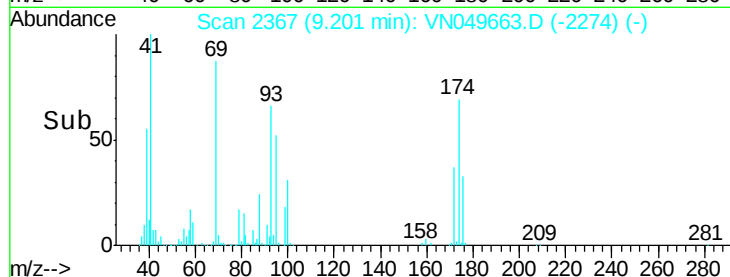
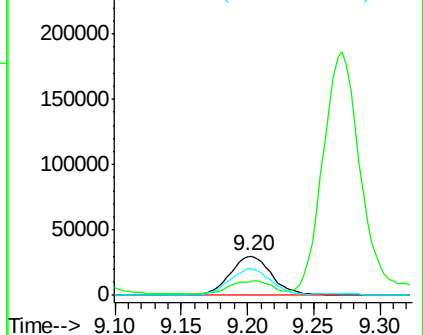
#49
1,4-Dioxane
Concen: 419.69 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion: 88 Resp: 65735
Ion Ratio Lower Upper
88 100
43 32.5 25.1 37.7
58 67.9 52.5 78.7

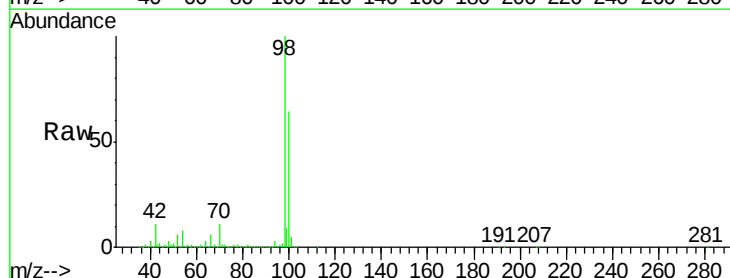


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

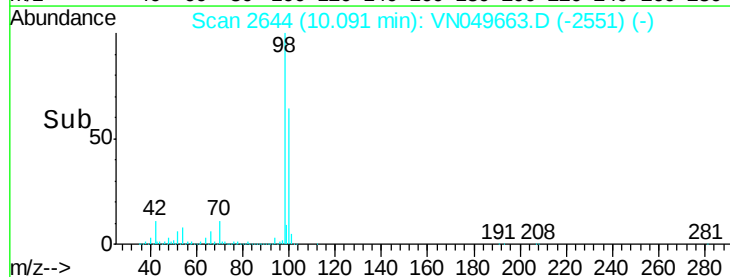
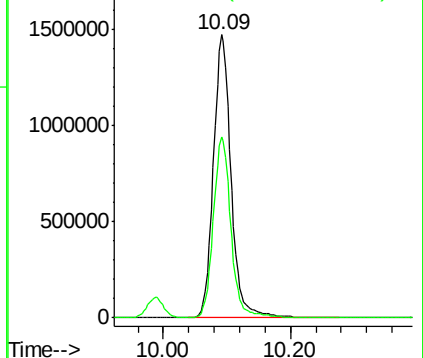


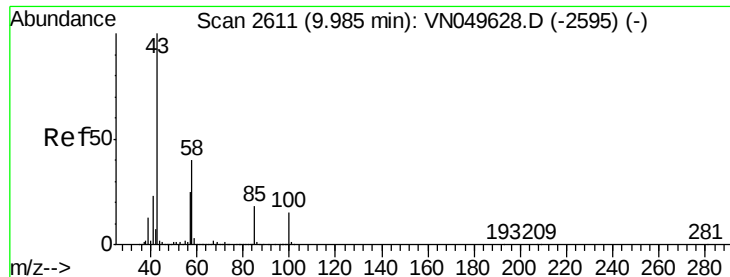
#50
Toluene-d8
Concen: 48.34 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 98 Resp: 2826332
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 104.02 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

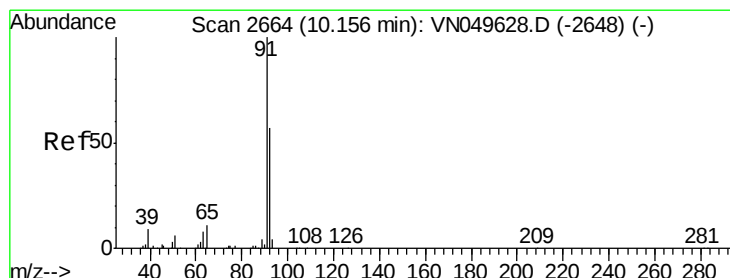
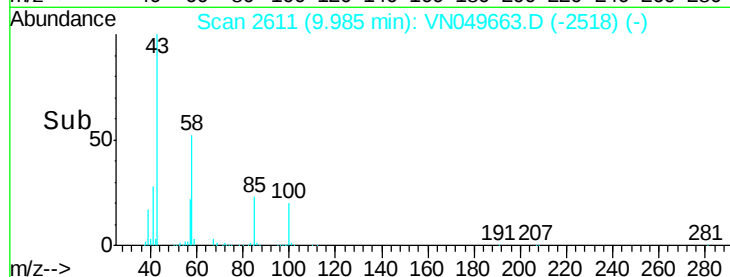
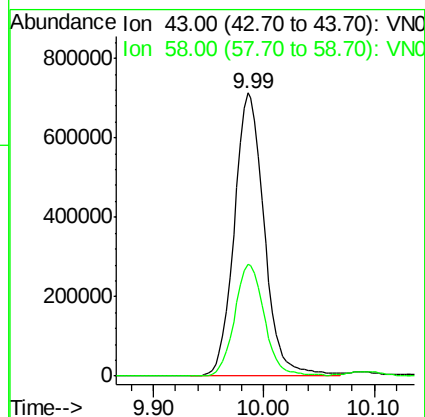
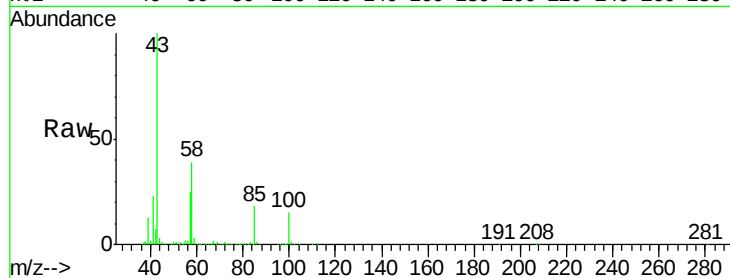
VN0702WBS01

Tot Ion: 43 Resp: 1337042

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.8



#52

Toluene

Concen: 20.51 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN049663.D

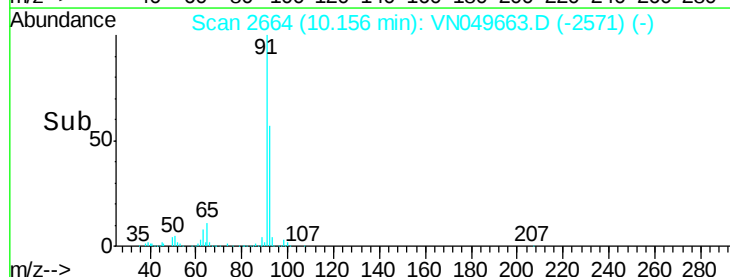
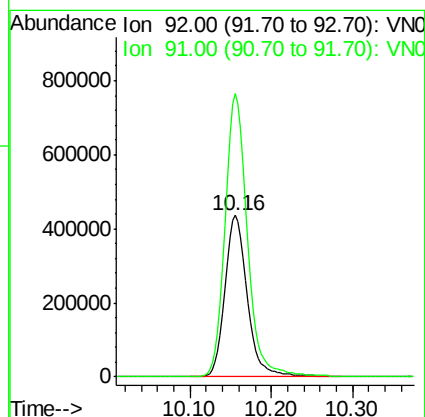
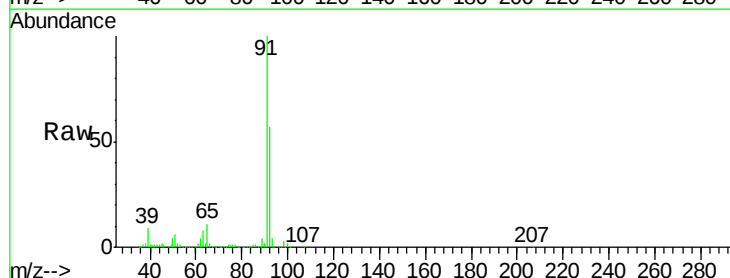
Acq: 2 Jul 2018 12:32

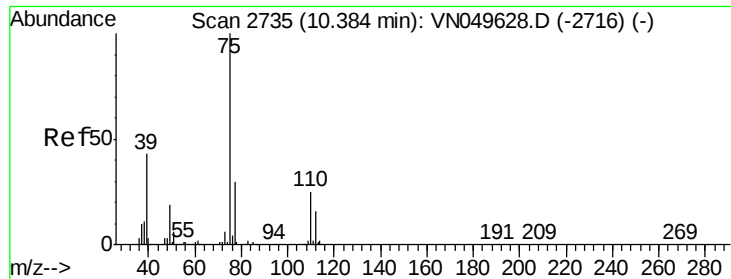
Tgt Ion: 92 Resp: 850348

Ion Ratio Lower Upper

92 100

91 175.5 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.62 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

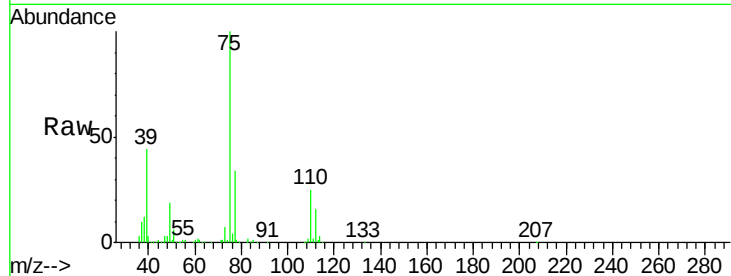
VN0702WBS01

Tot Ion: 75 Resp: 428970

Ion Ratio Lower Upper

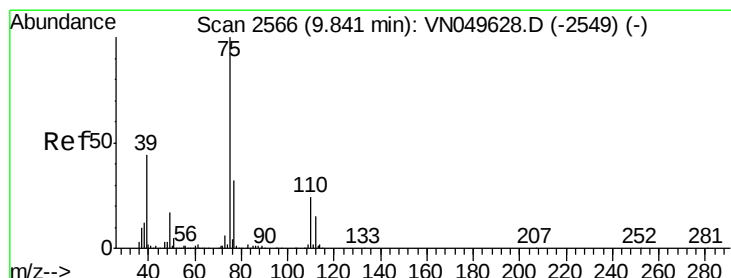
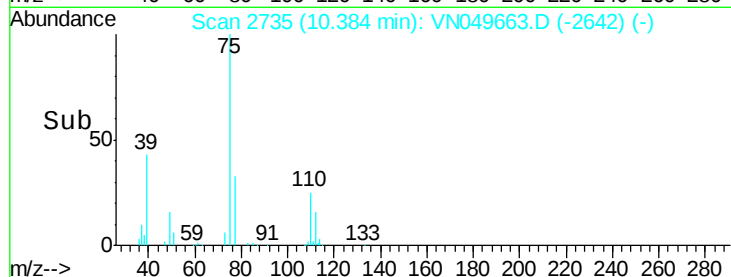
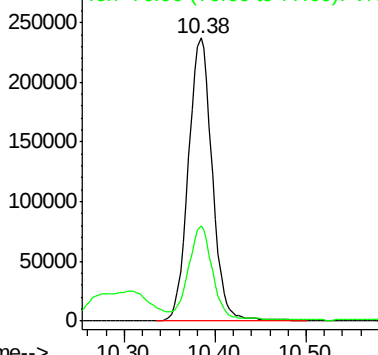
75 100

77 33.2 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.87 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

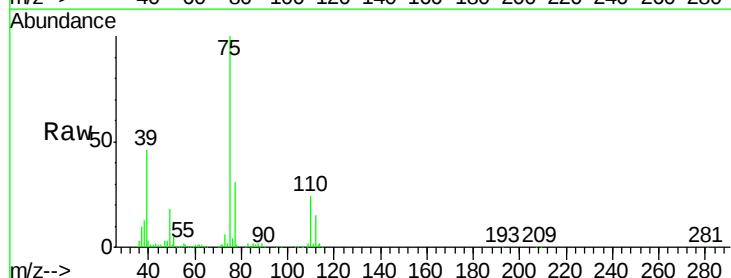
Tgt Ion: 75 Resp: 507780

Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

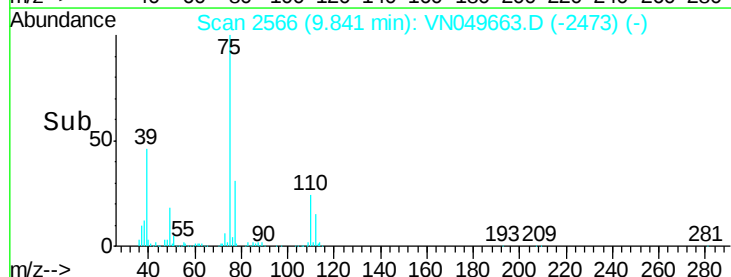
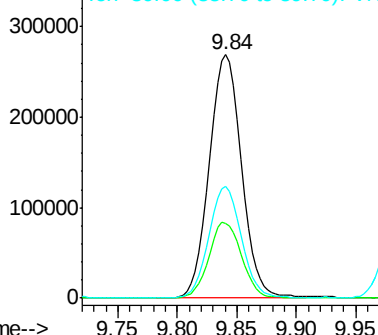
39 45.5 35.5 53.3

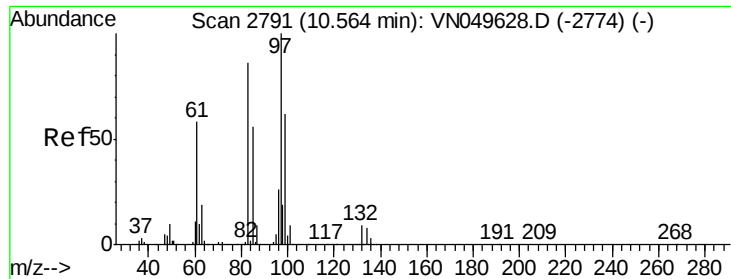


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.57 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion: 97 Resp: 302204

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.0	103.6
85	55.6	44.9	67.3
99	63.5	49.8	74.6

Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

250000

200000

150000

100000

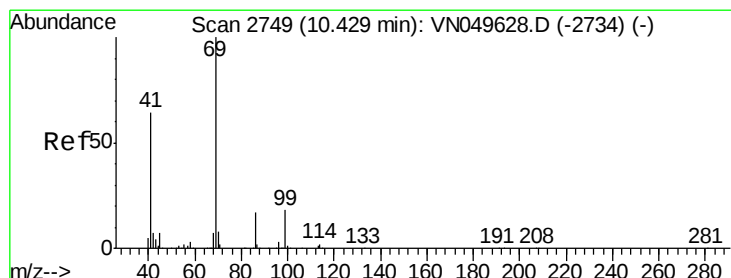
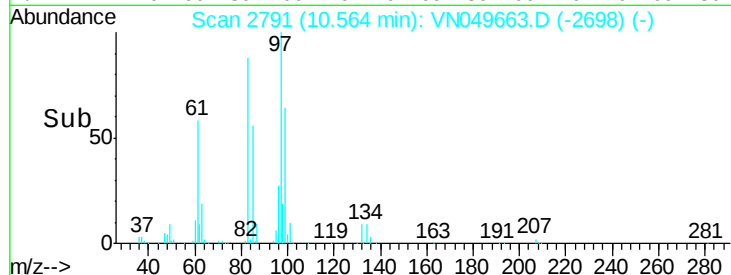
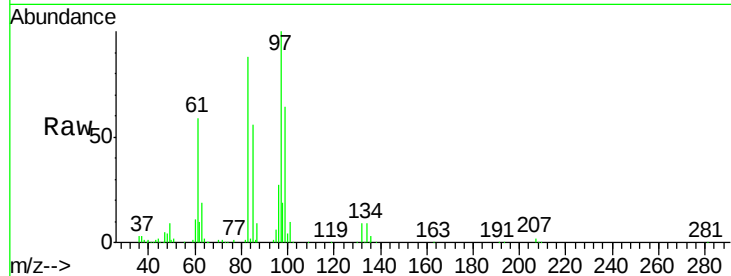
50000

0

10.56

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 20.44 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion: 69 Resp: 369924

Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.6	77.4
39	33.5	25.8	38.8

Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

300000

250000

200000

150000

100000

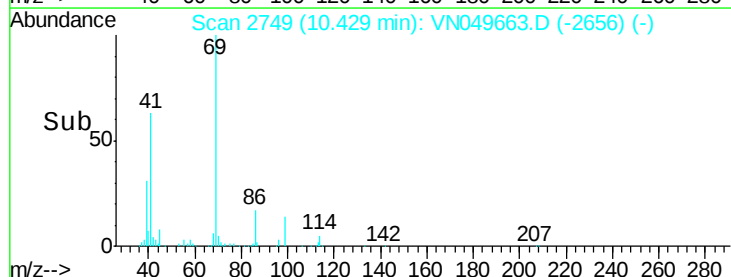
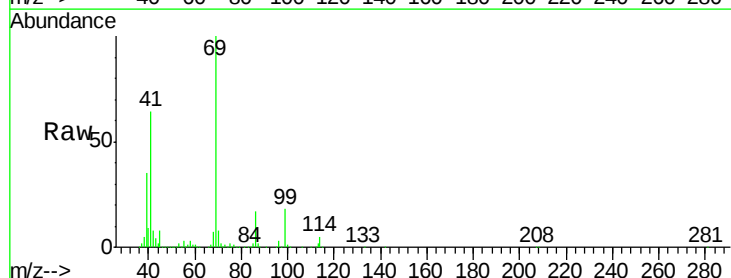
50000

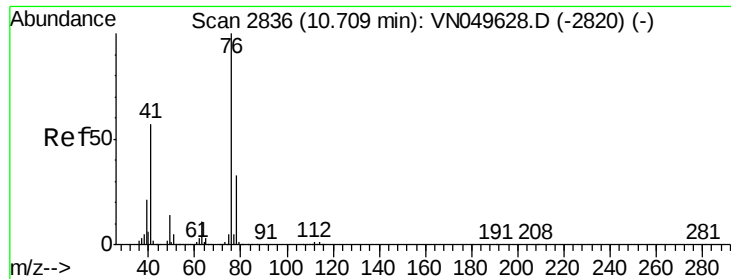
0

10.43

10.30 10.40 10.50 10.60

Time-->





#57

1,3-Dichloropropane

Concen: 20.28 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

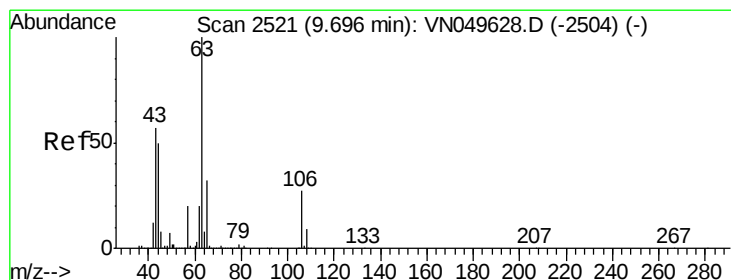
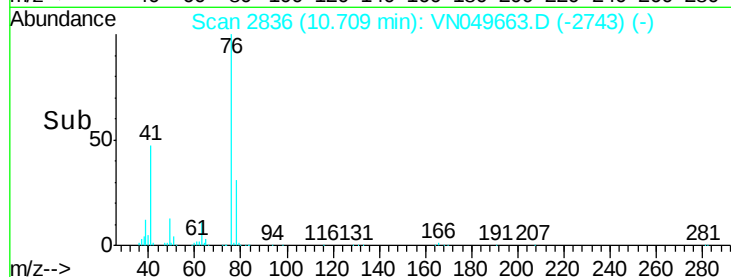
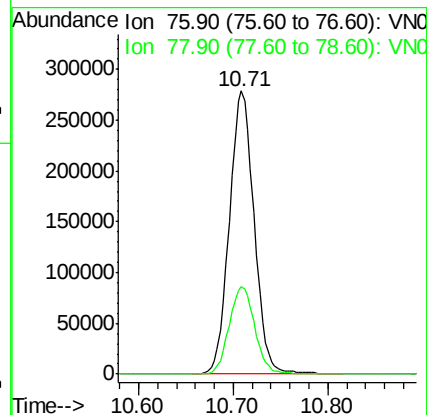
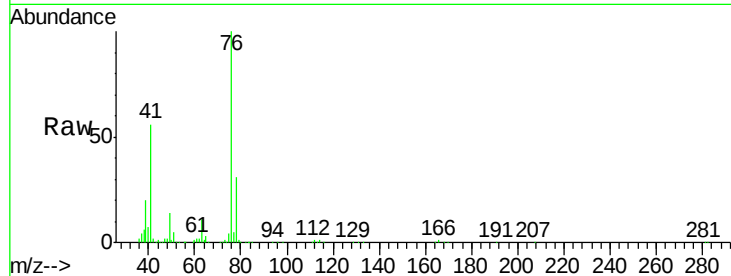
VN0702WBS01

Tot Ion: 76 Resp: 507717

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 88.06 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049663.D

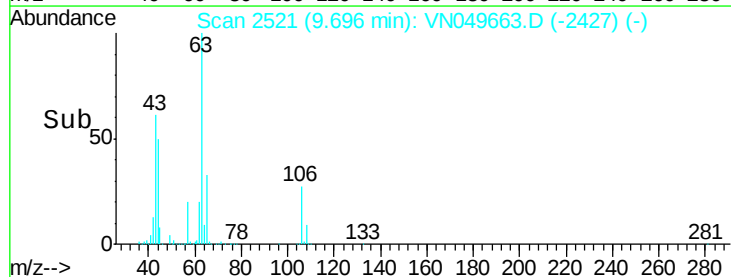
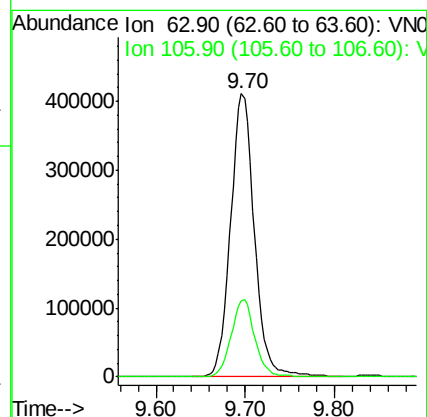
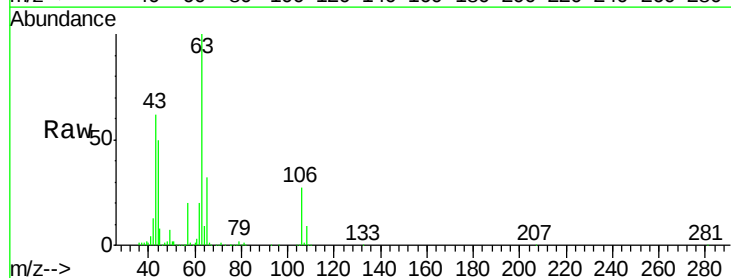
Acq: 2 Jul 2018 12:32

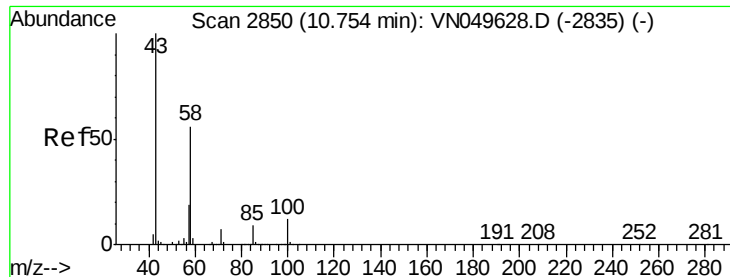
Tgt Ion: 63 Resp: 761480

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8

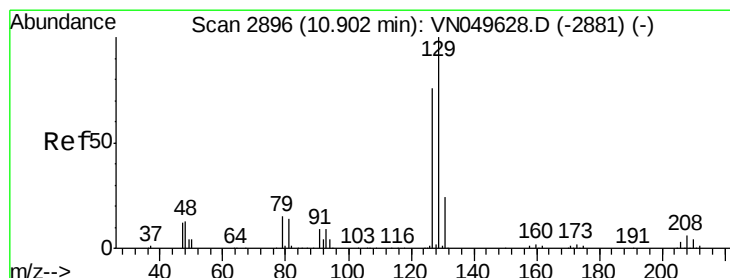
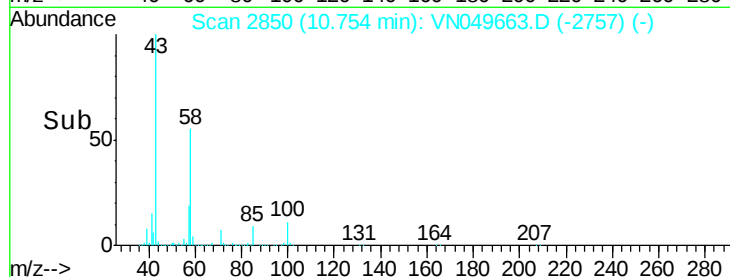
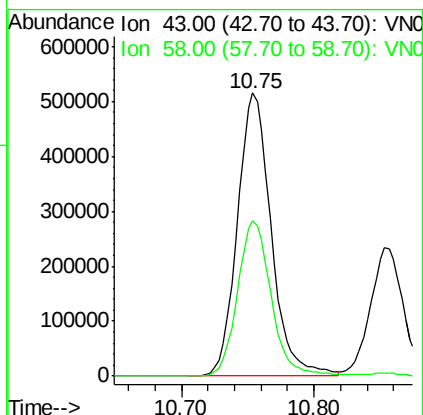
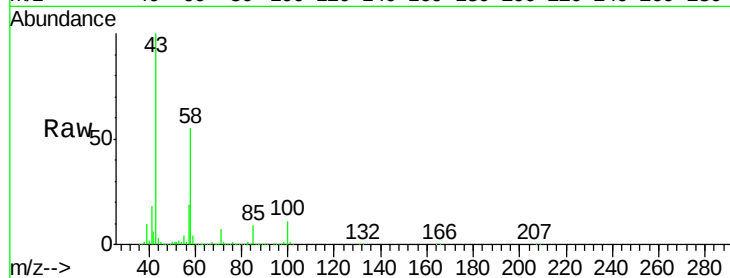




#59
2-Hexanone
Concen: 107.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

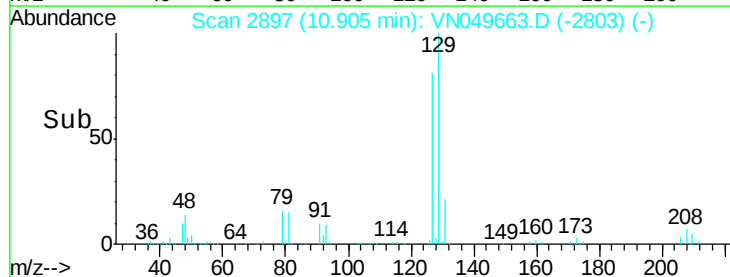
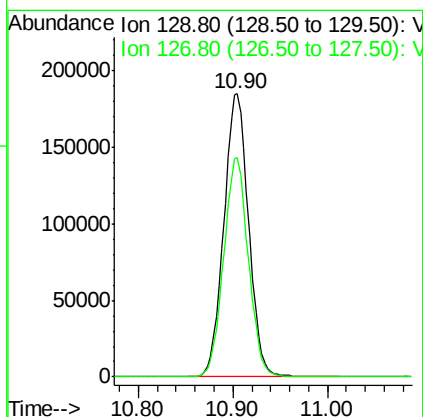
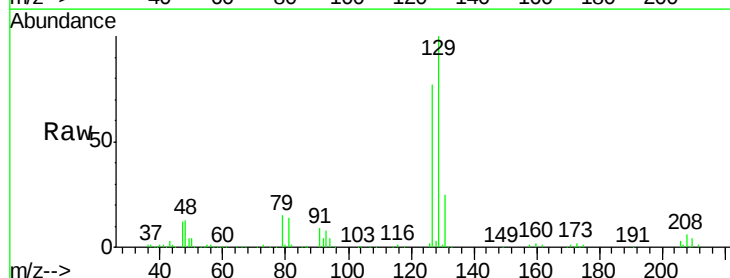
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

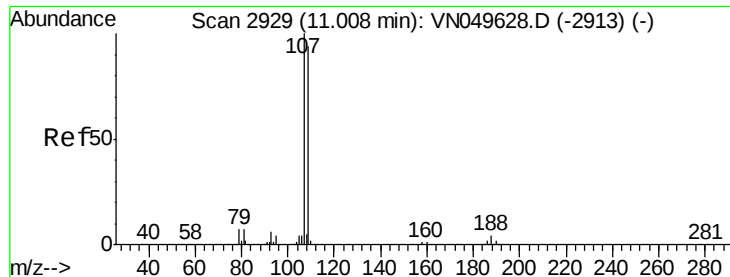
Tot Ion: 43 Resp: 909576
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4



#60
Dibromochloromethane
Concen: 20.20 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 129 Resp: 337074
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9

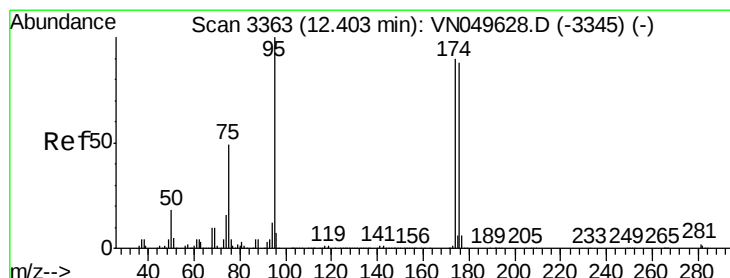
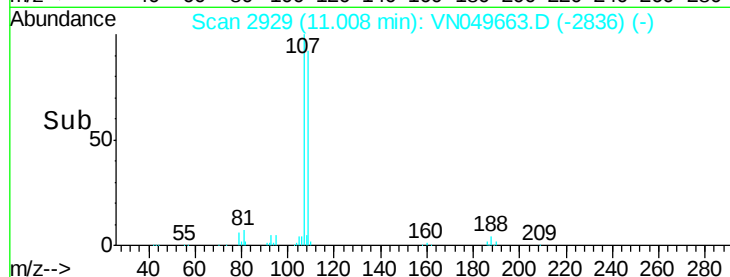
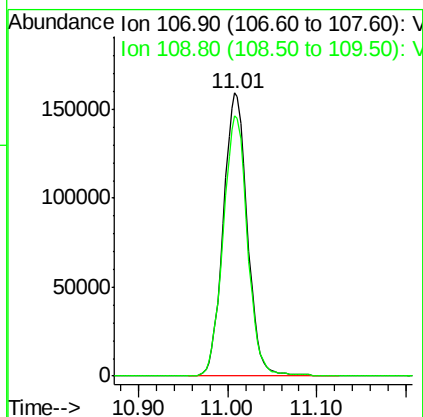
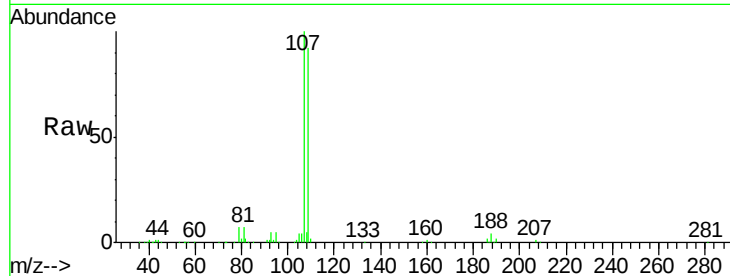




#61
 1,2-Dibromoethane
 Concen: 20.05 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

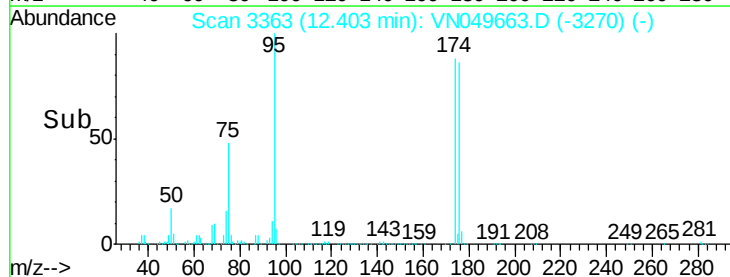
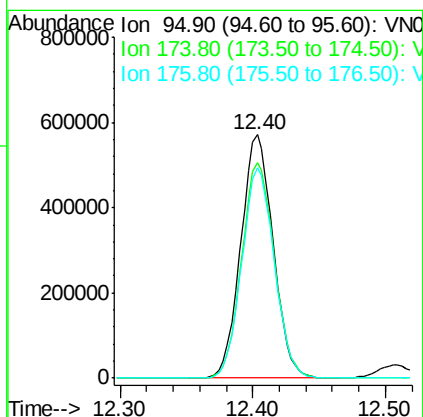
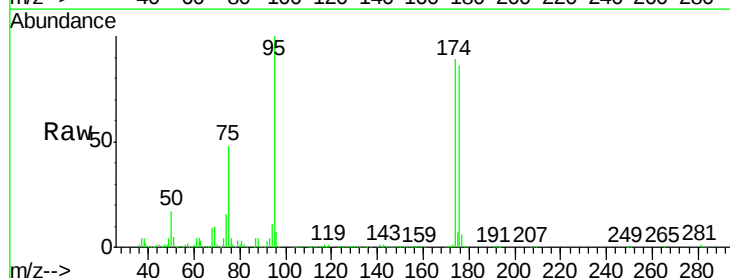
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

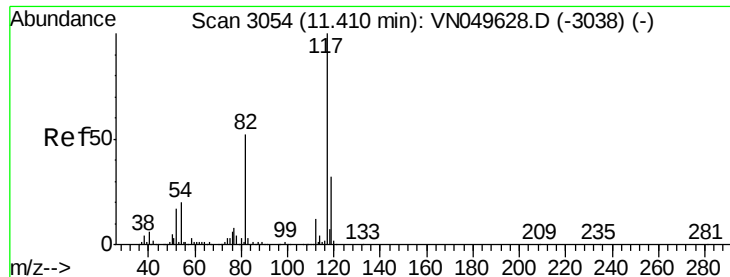
Tot Ion: 107 Resp: 296574
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.36 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion: 95 Resp: 965293
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 179.6
 176 86.9 0.0 174.0

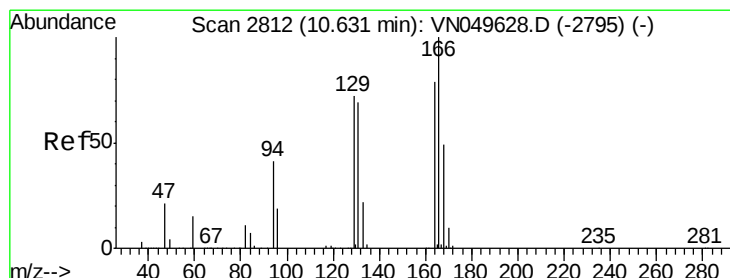
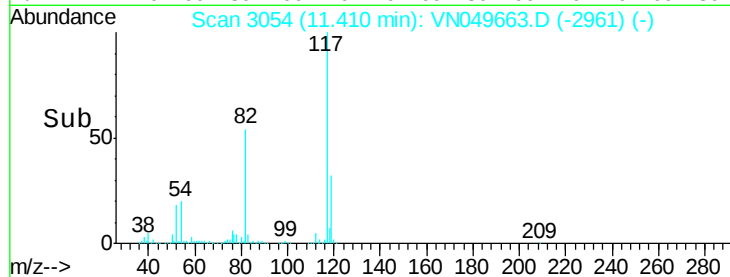
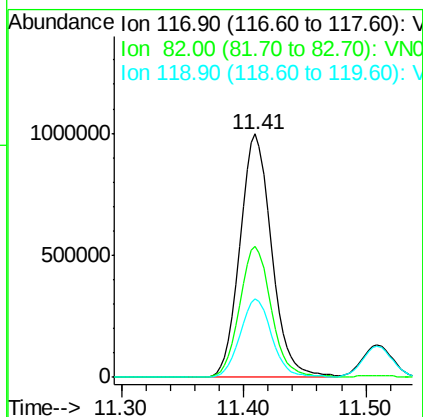
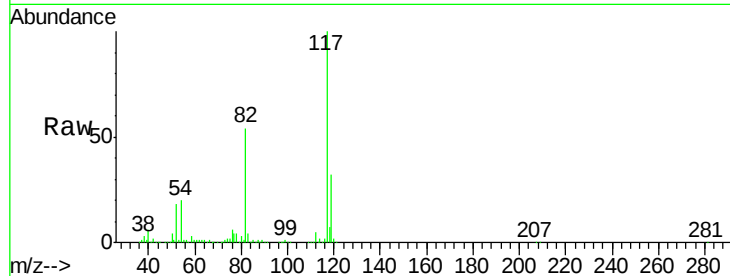




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

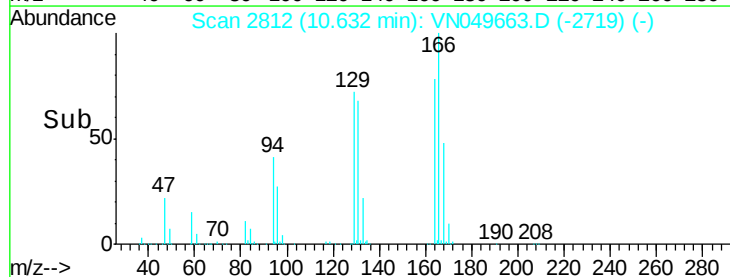
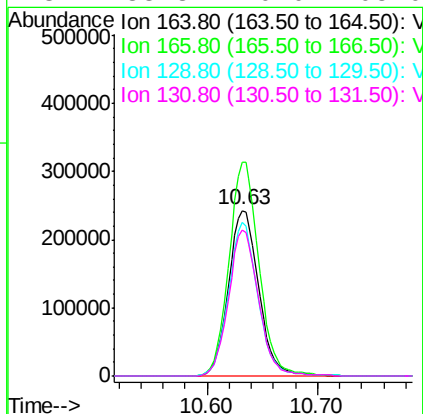
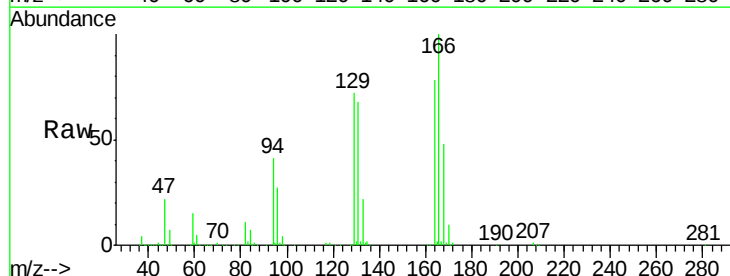
Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

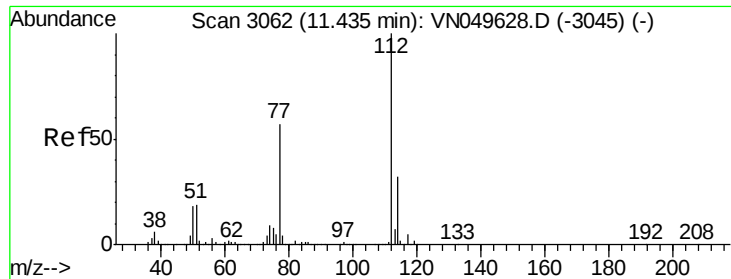
Tot Ion:117 Resp: 1789240
Ion Ratio Lower Upper
117 100
82 53.7 41.9 62.9
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 19.08 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion:164 Resp: 462344
Ion Ratio Lower Upper
164 100
166 129.0 101.8 152.6
129 92.8 72.8 109.2
131 88.3 70.0 105.0





#65

Chlorobenzene

Concen: 19.37 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

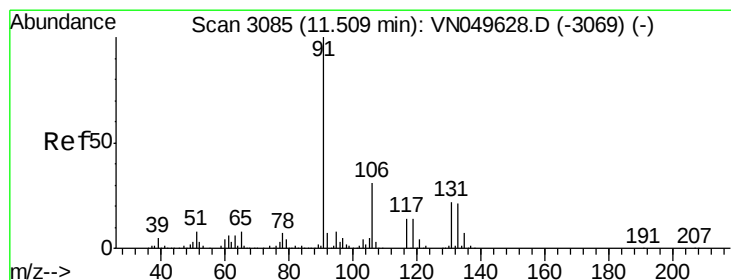
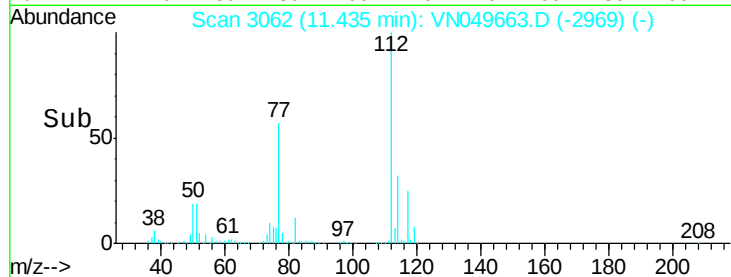
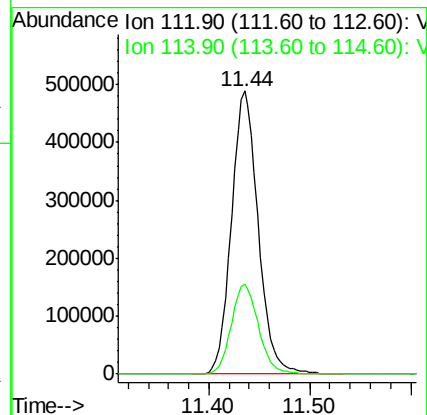
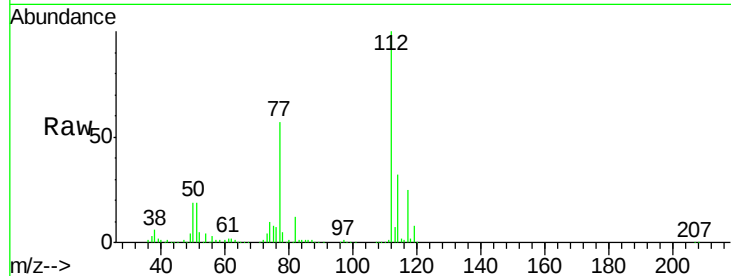
VN0702WBS01

Tot Ion:112 Resp: 904289

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 19.96 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

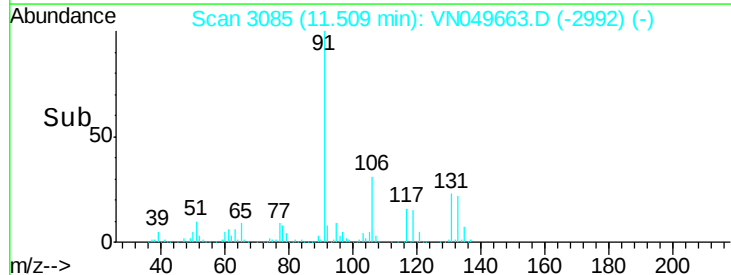
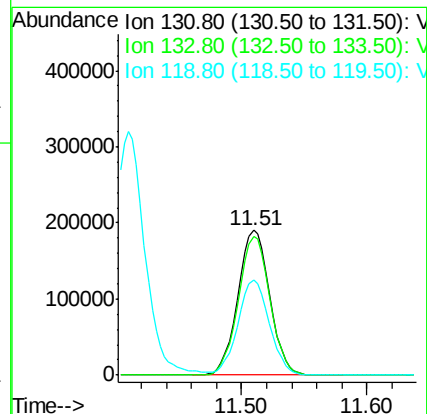
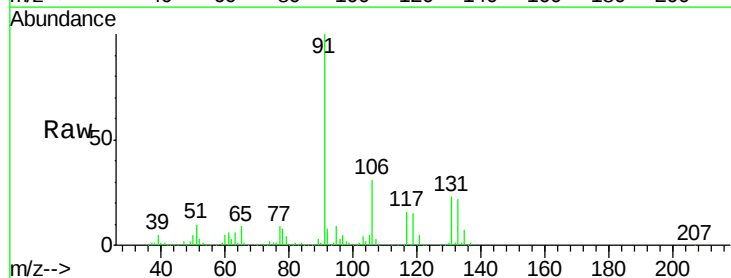
Tgt Ion:131 Resp: 334838

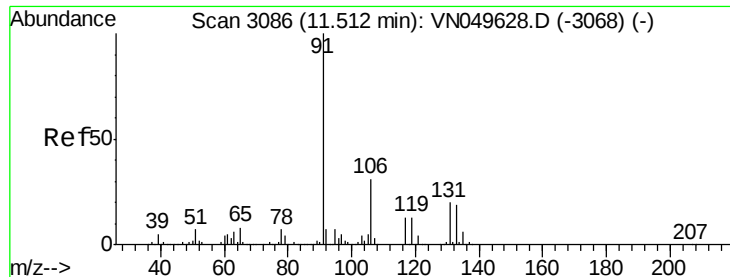
Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.6

119 65.4 33.1 99.3

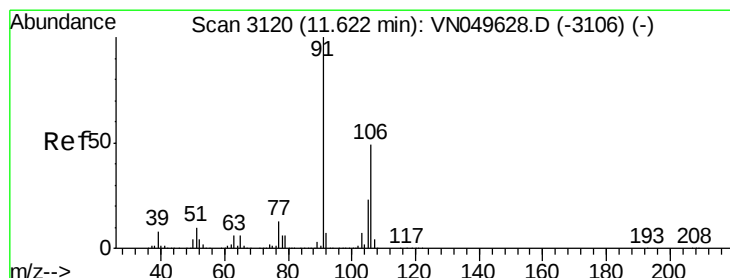
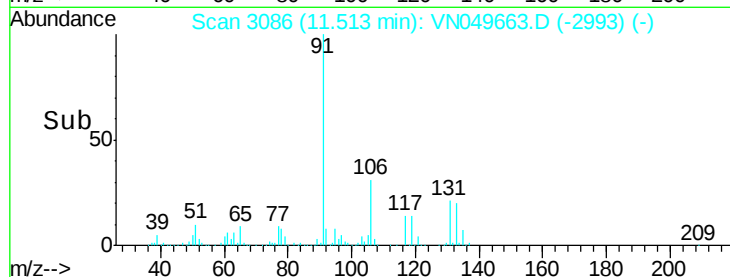
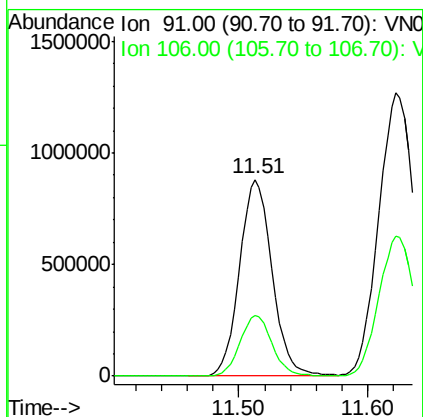
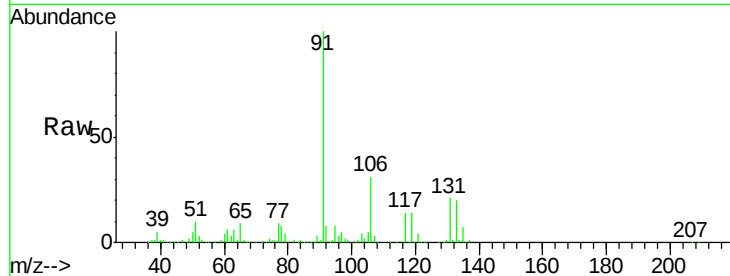




#67
Ethyl Benzene
Concen: 20.02 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

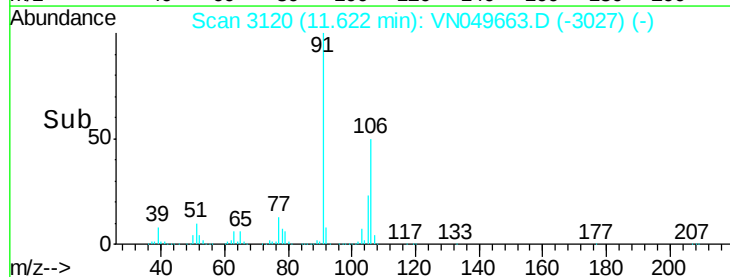
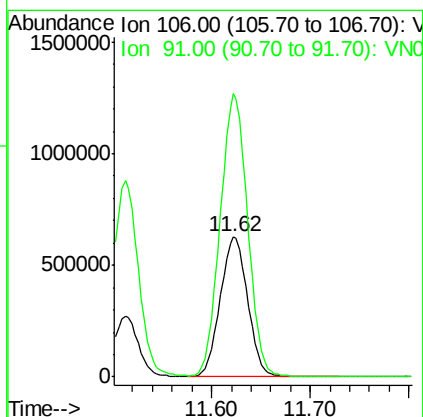
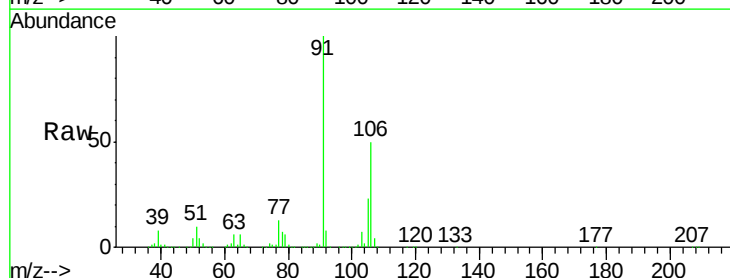
Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

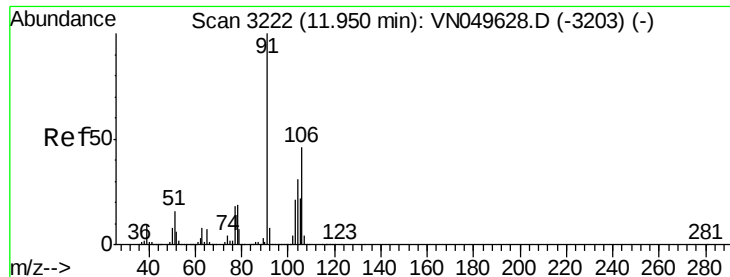
Tot Ion: 91 Resp: 1544772
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 41.37 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 106 Resp: 1223292
Ion Ratio Lower Upper
106 100
91 202.5 163.4 245.2

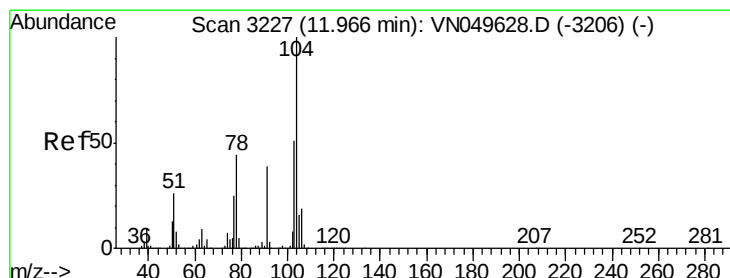
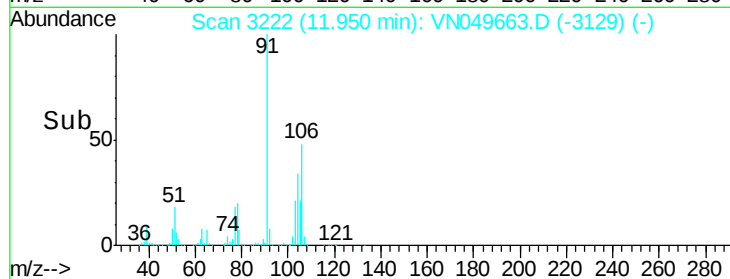
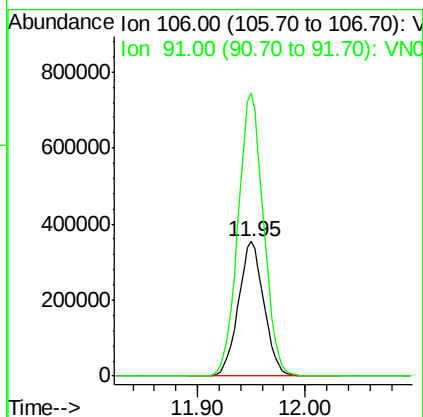
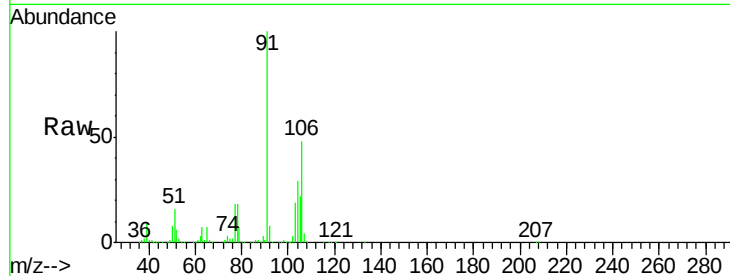




#69
o-Xylene
Concen: 20.63 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

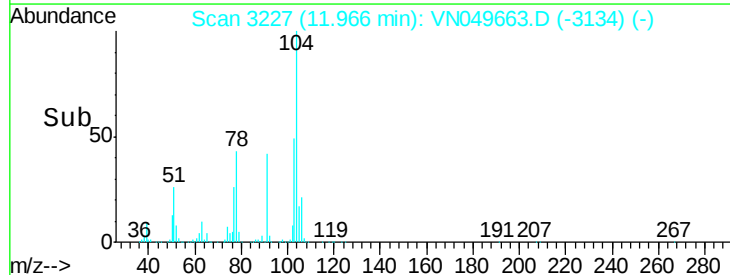
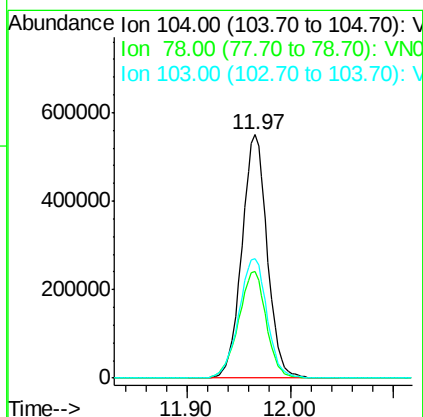
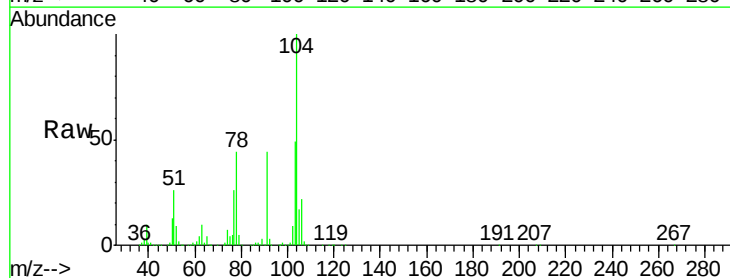
Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

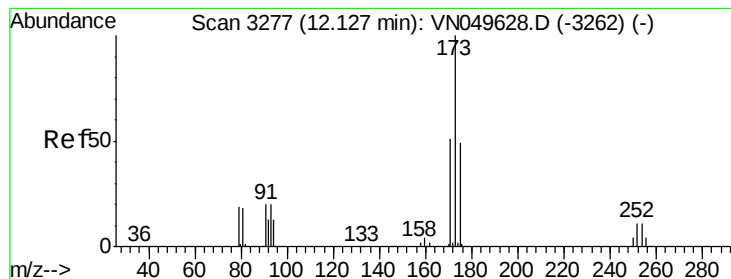
Tot Ion:106 Resp: 584126
Ion Ratio Lower Upper
106 100
91 210.4 108.7 326.1



#70
Styrene
Concen: 20.46 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion:104 Resp: 937286
Ion Ratio Lower Upper
104 100
78 48.2 39.2 58.8
103 54.8 44.6 67.0





#71

Bromoform

Concen: 20.26 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

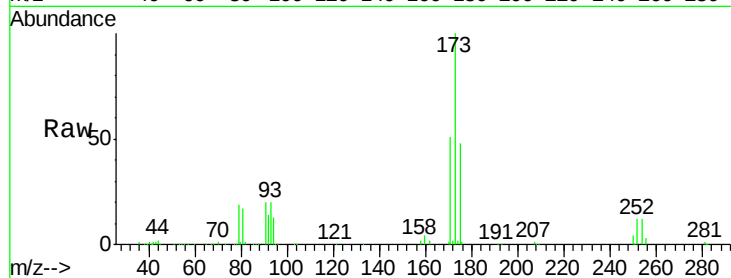
Tot Ion:173 Resp: 225759

Ion Ratio Lower Upper

173 100

175 47.9 24.6 73.8

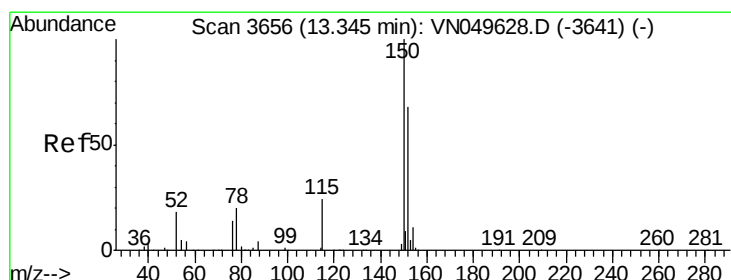
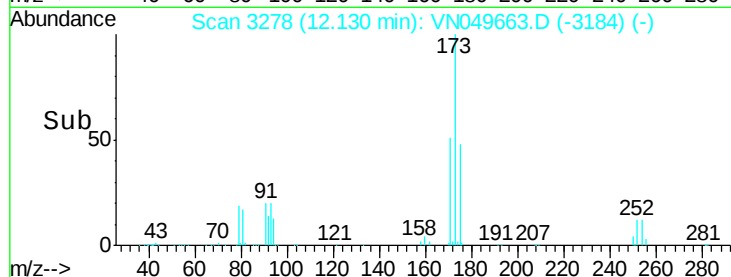
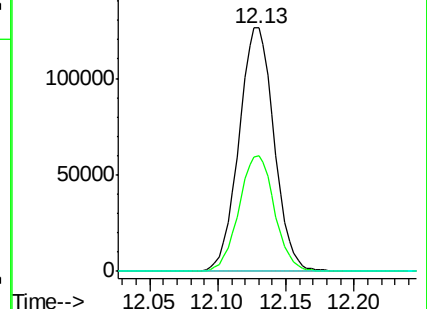
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

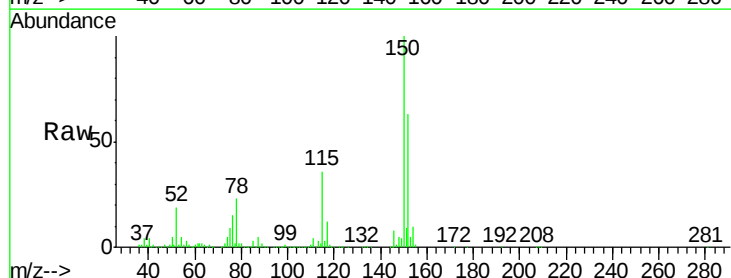
Tgt Ion:152 Resp: 943582

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

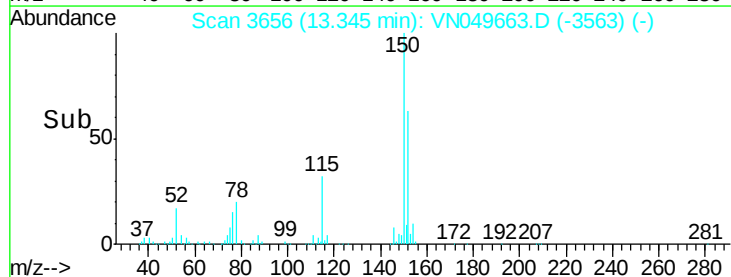
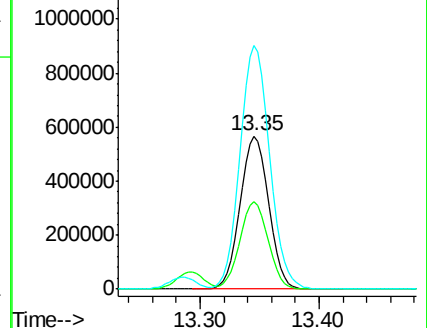
150 165.2 0.0 347.6

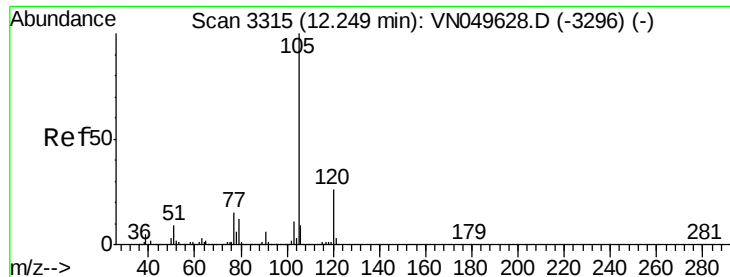


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.22 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

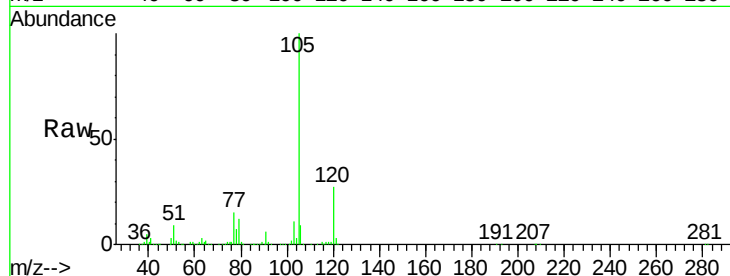
VN0702WBS01

Tot Ion:105 Resp: 1519583

Ion Ratio Lower Upper

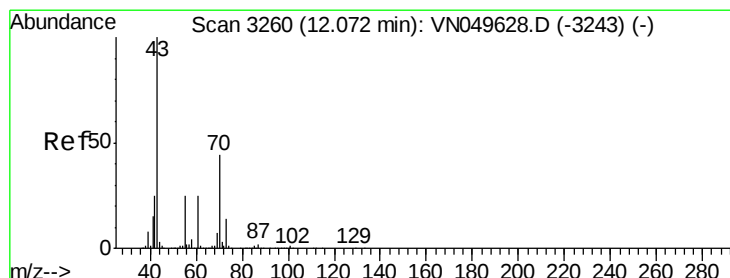
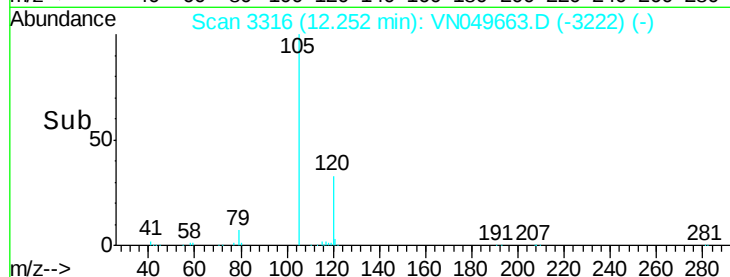
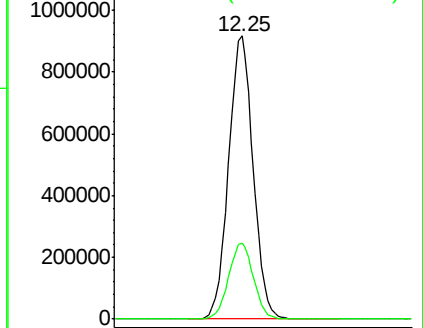
105 100

120 27.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.69 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion: 43 Resp: 404195

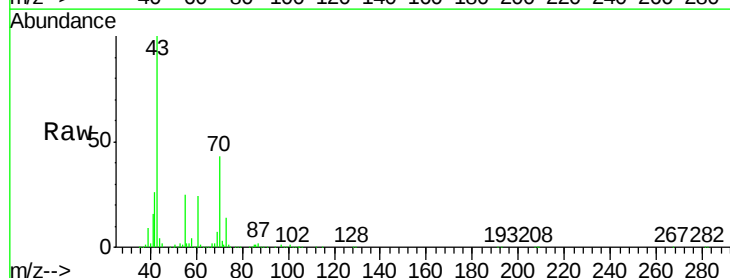
Ion Ratio Lower Upper

43 100

70 42.1 34.8 52.2

55 25.6 20.9 31.3

61 23.9 19.9 29.9

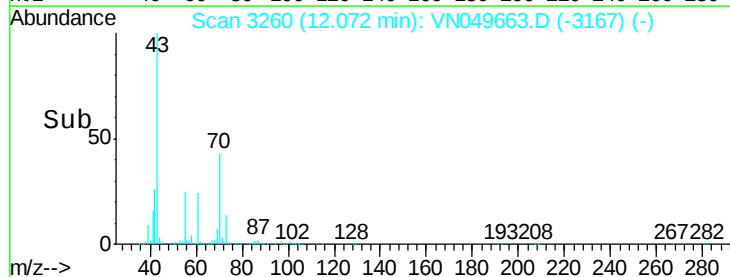
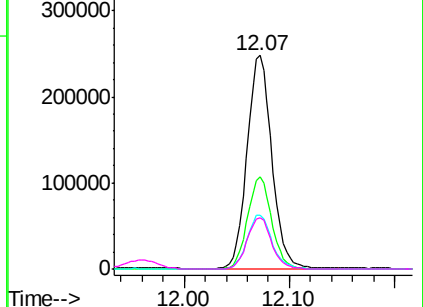


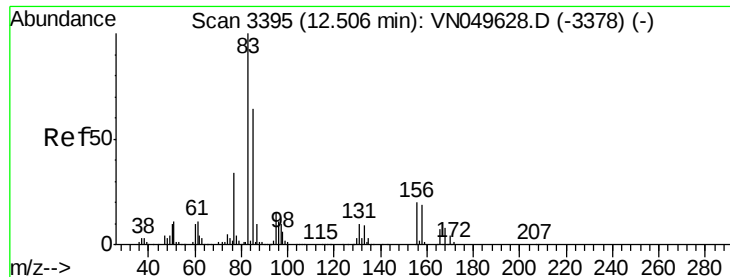
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.31 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

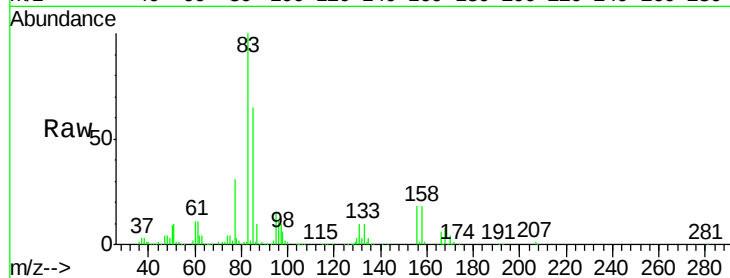
Tot Ion: 83 Resp: 345181

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

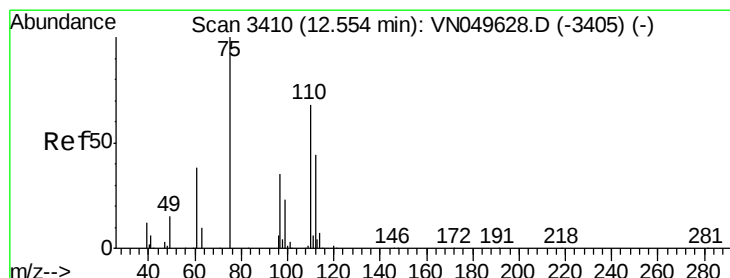
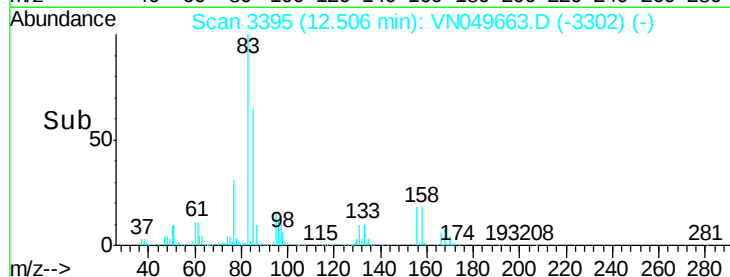
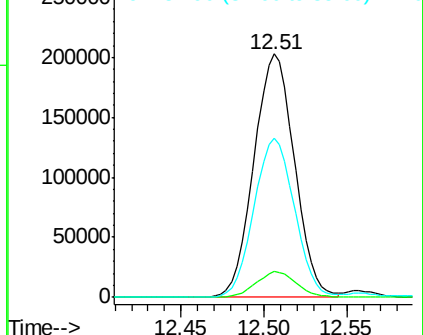
85 65.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 29.61 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049663.D

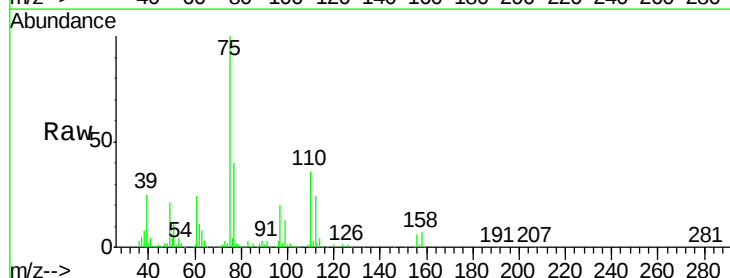
Acq: 2 Jul 2018 12:32

Tgt Ion: 75 Resp: 448045

Ion Ratio Lower Upper

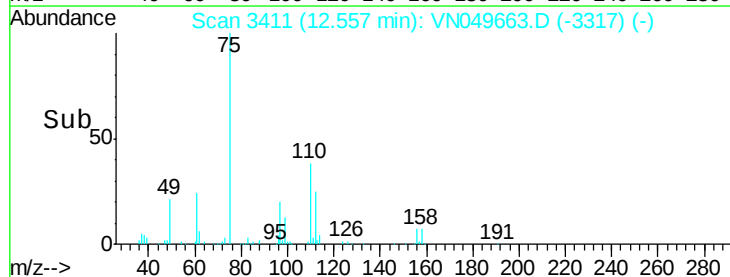
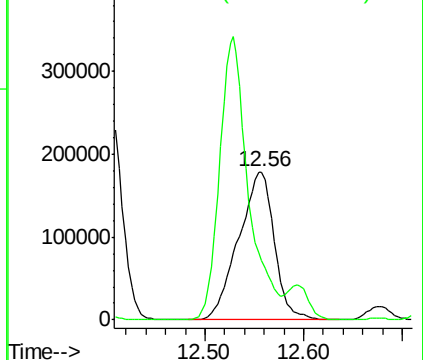
75 100

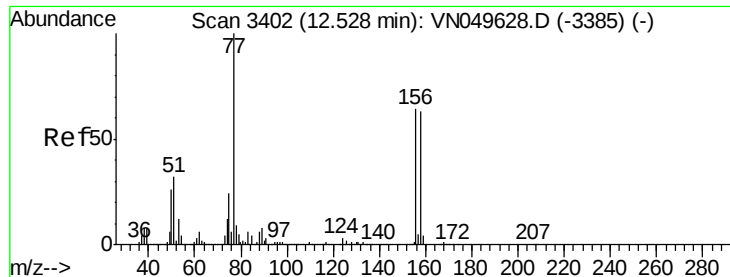
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 18.93 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

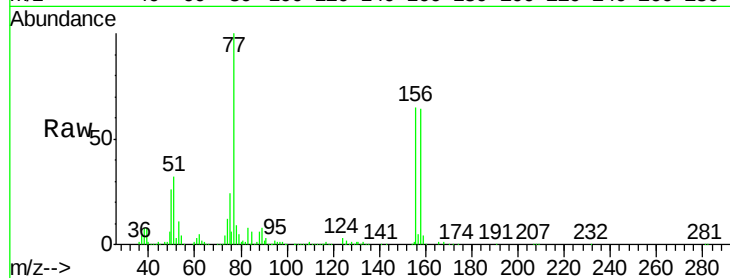
Tot Ion:156 Resp: 386968

Ion Ratio Lower Upper

156 100

77 180.5 90.2 270.6

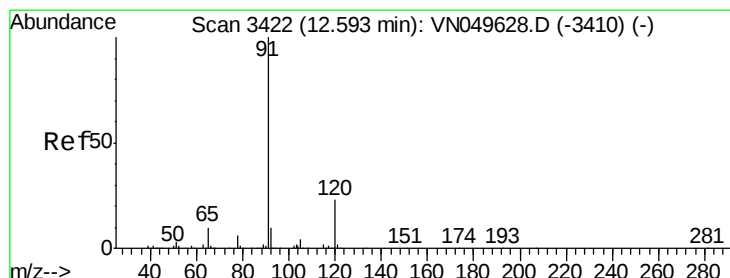
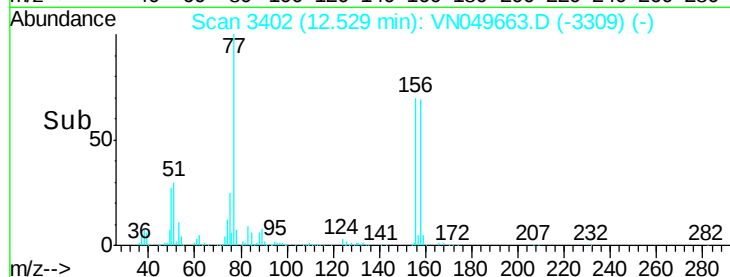
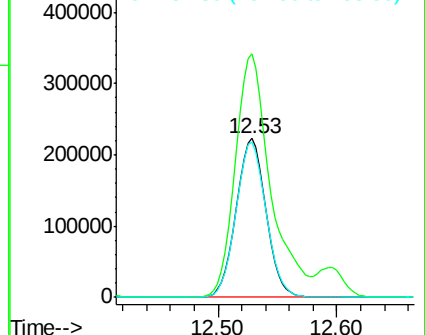
158 98.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.61 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049663.D

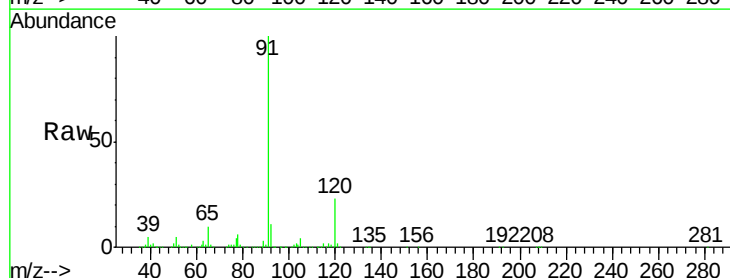
Acq: 2 Jul 2018 12:32

Tgt Ion: 91 Resp: 1775520

Ion Ratio Lower Upper

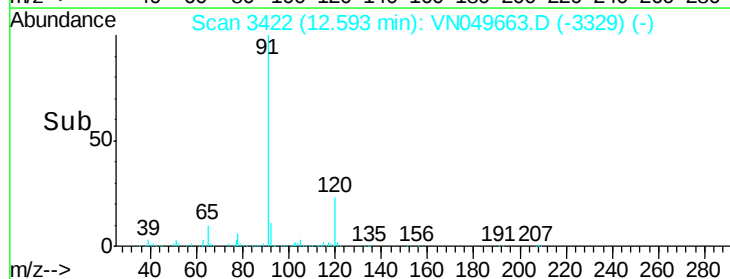
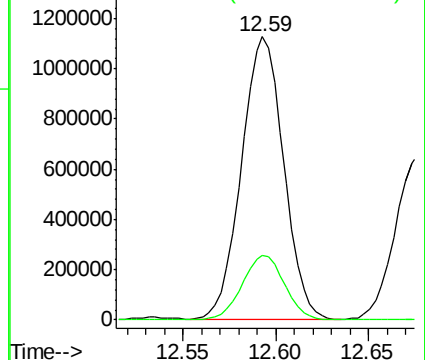
91 100

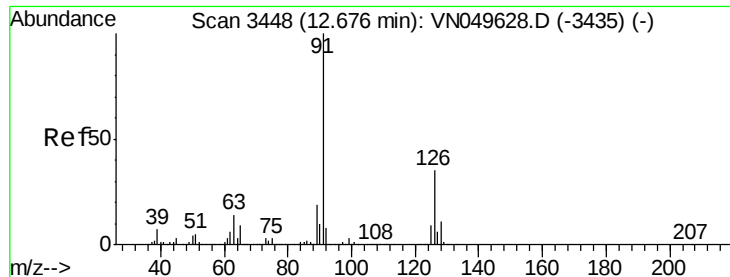
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.62 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

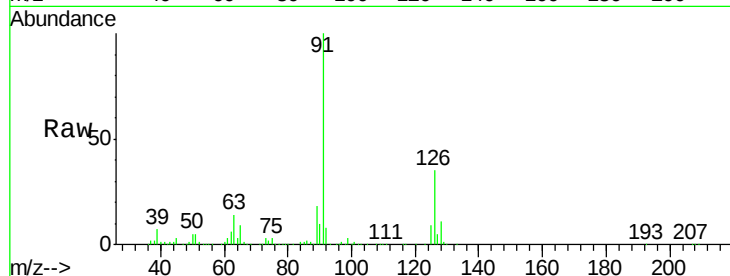
VN0702WBS01

Tot Ion: 91 Resp: 1069570

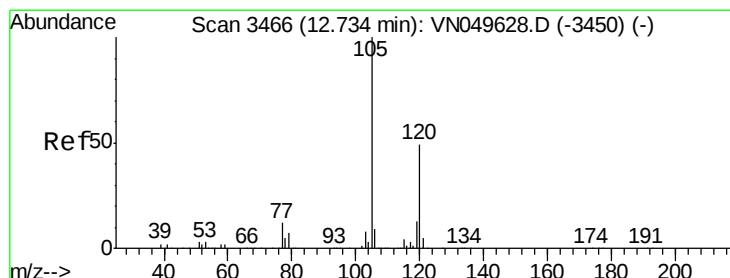
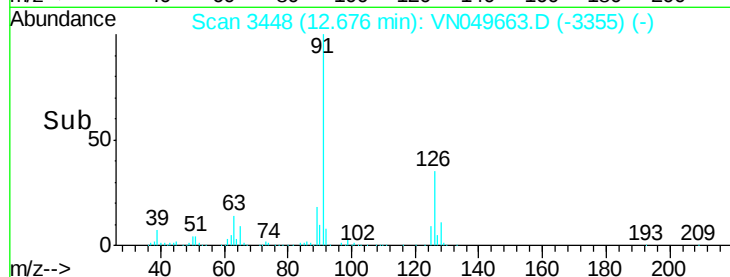
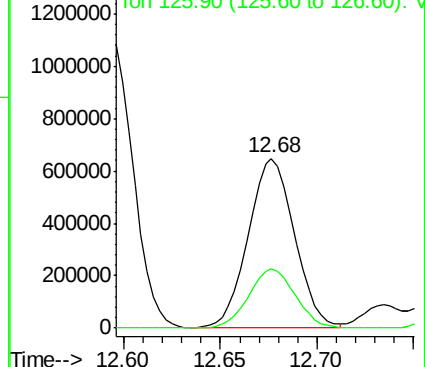
Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049663.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.85 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049663.D

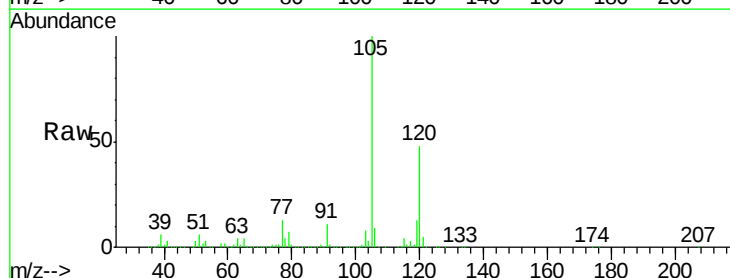
Acq: 2 Jul 2018 12:32

Tgt Ion:105 Resp: 1301979

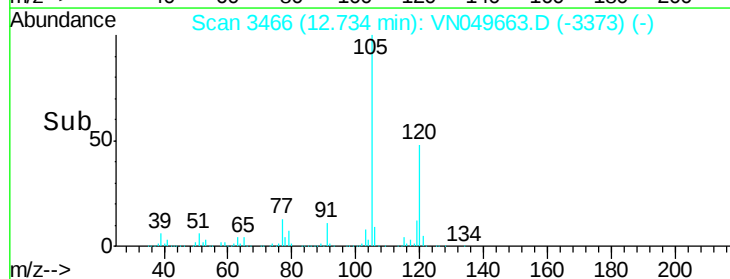
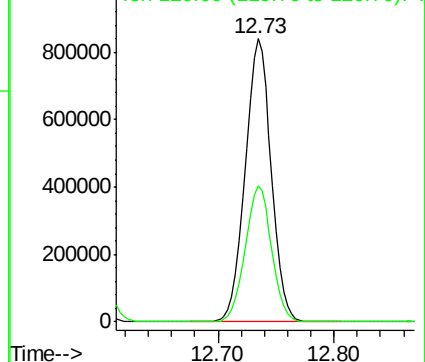
Ion Ratio Lower Upper

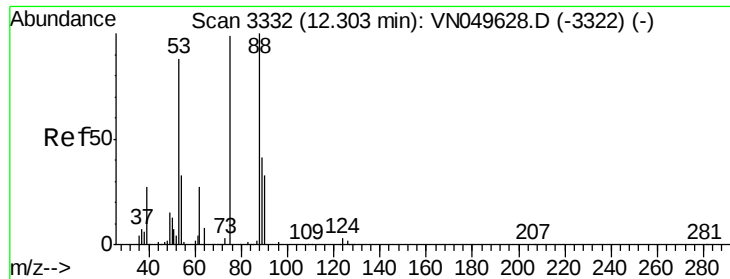
105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049663.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.75 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

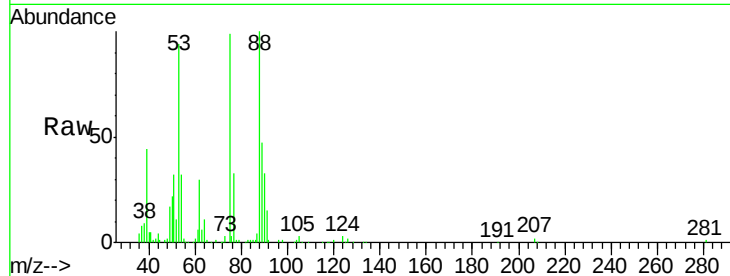
Tot Ion: 75 Resp: 87997

Ion Ratio Lower Upper

75 100

53 93.9 73.9 110.9

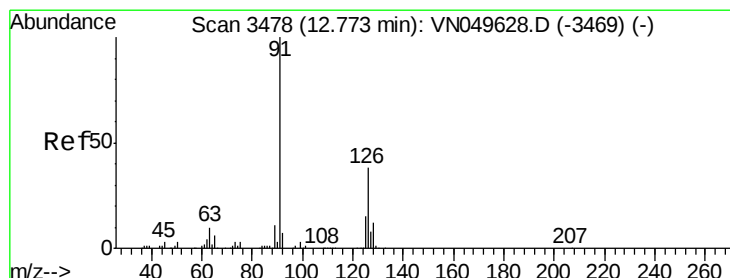
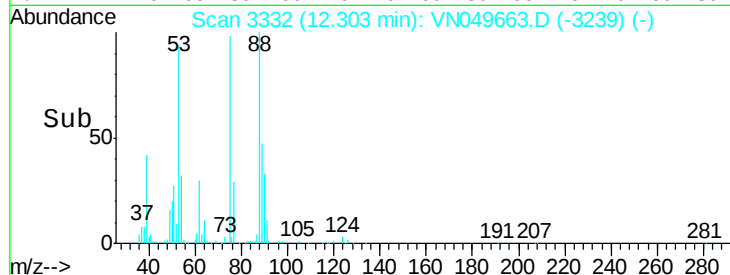
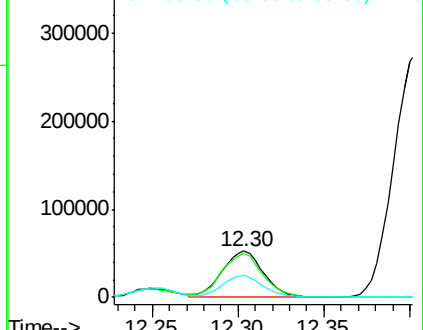
89 45.1 35.9 53.9



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: 19.61 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049663.D

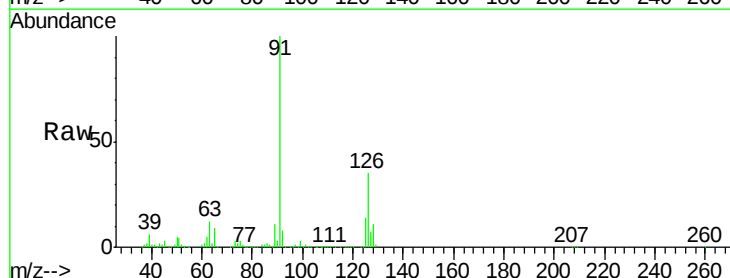
Acq: 2 Jul 2018 12:32

Tgt Ion: 91 Resp: 1075077

Ion Ratio Lower Upper

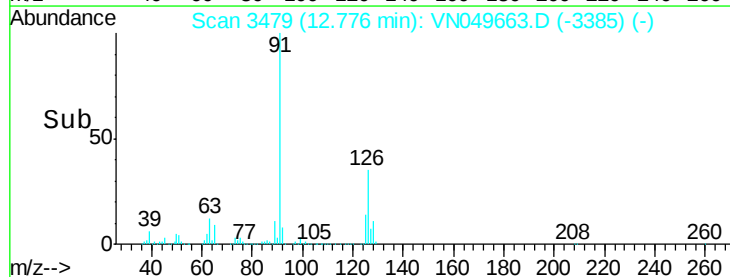
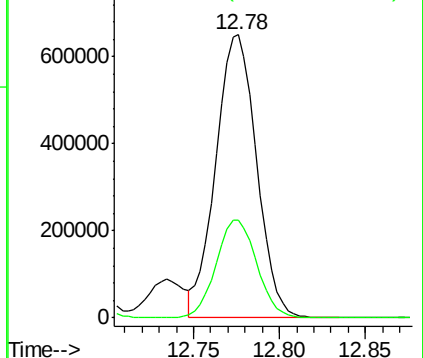
91 100

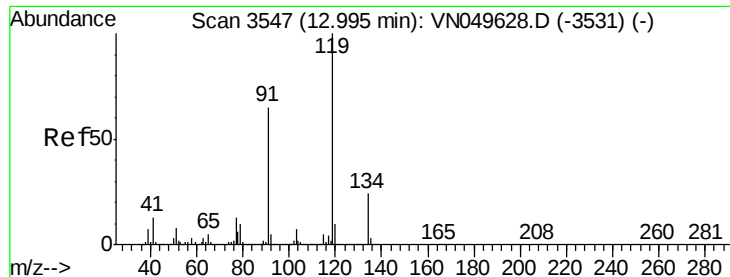
126 34.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

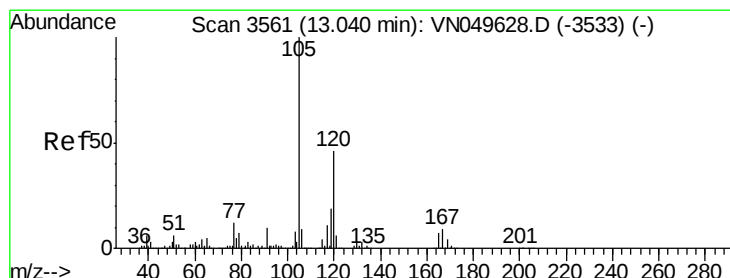
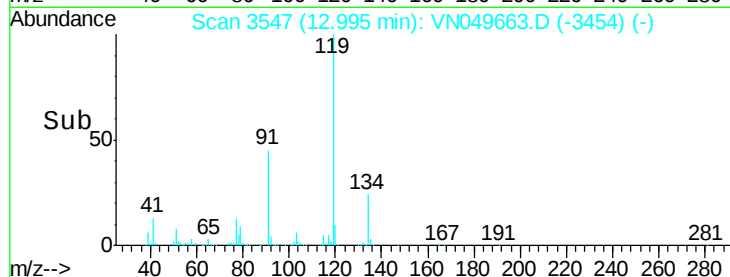
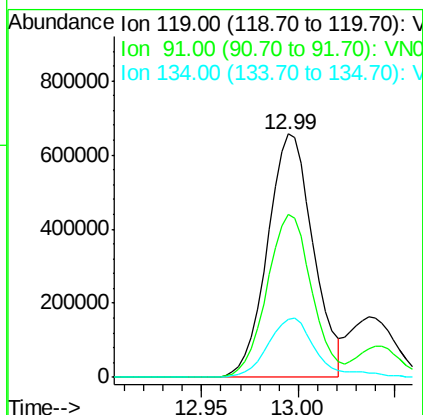
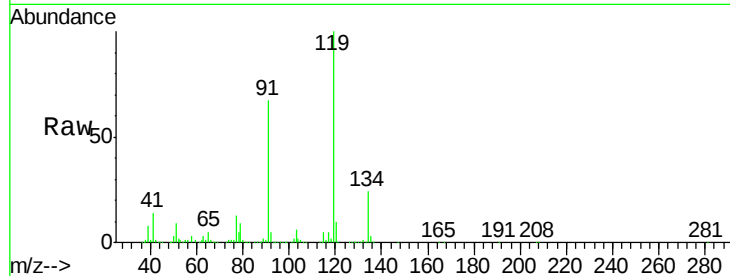




#83
 tert-Butylbenzene
 Concen: 20.14 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

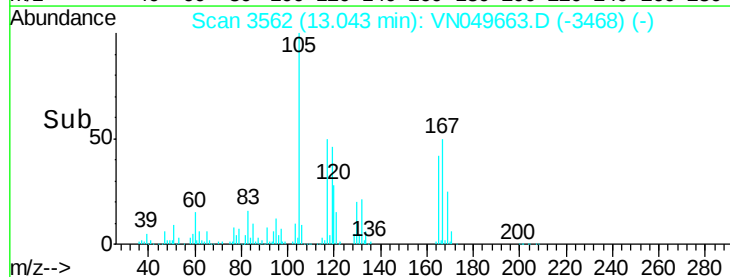
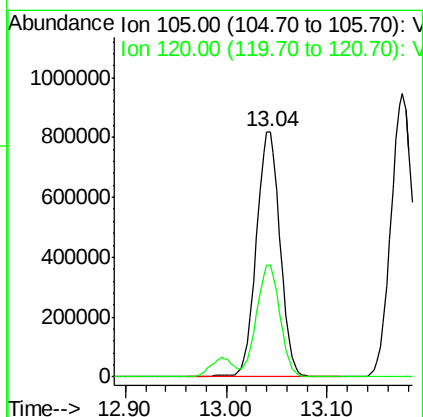
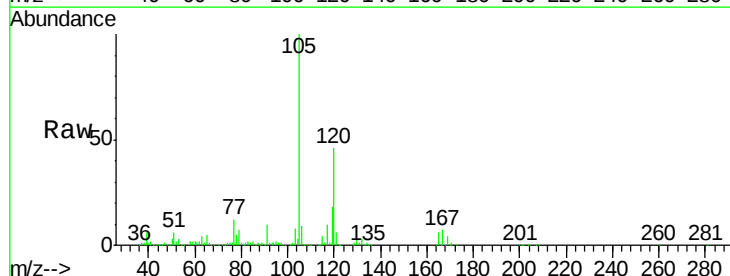
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

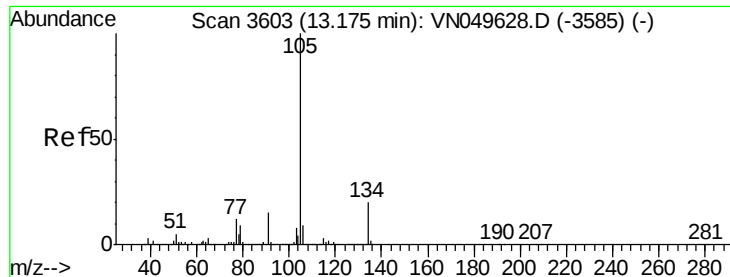
Tot Ion:119 Resp: 1080612
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.0 96.2
 134 25.8 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.71 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion:105 Resp: 1329381
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

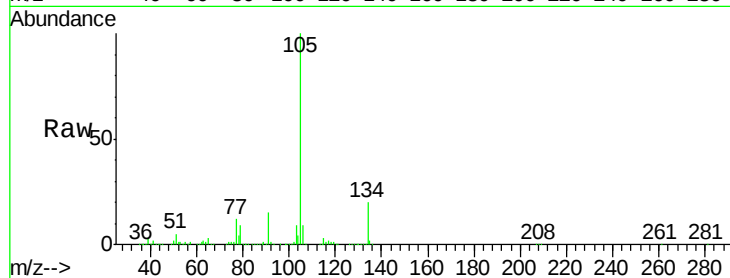
VN0702WBS01

Tot Ion:105 Resp: 1474884

Ion Ratio Lower Upper

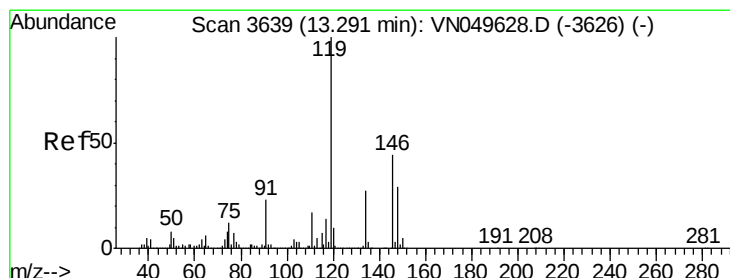
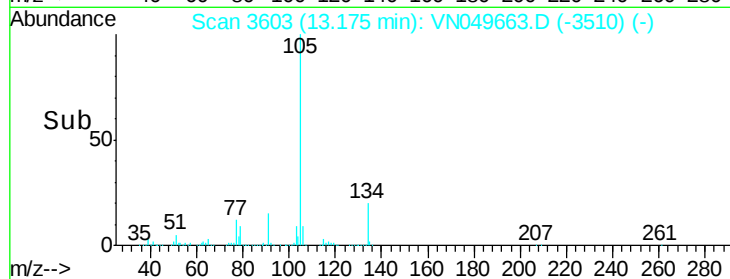
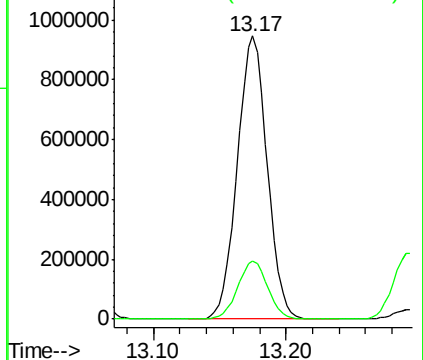
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.92 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

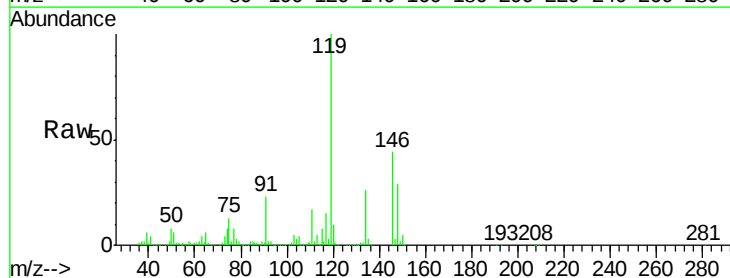
Tgt Ion:119 Resp: 1288023

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

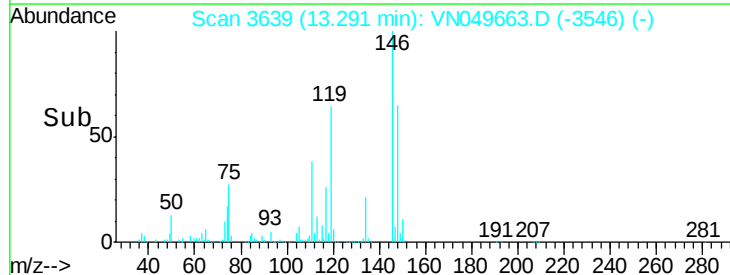
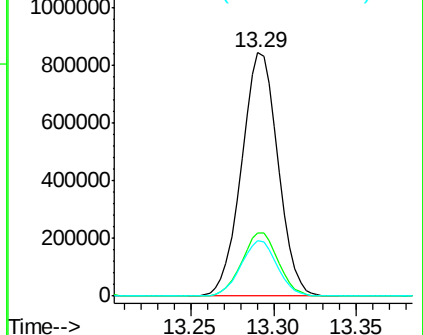
91 22.7 11.4 34.1

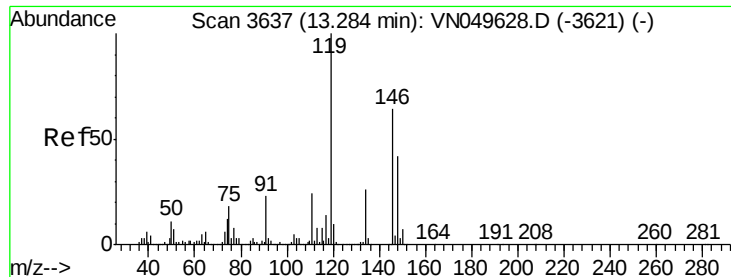


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.88 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

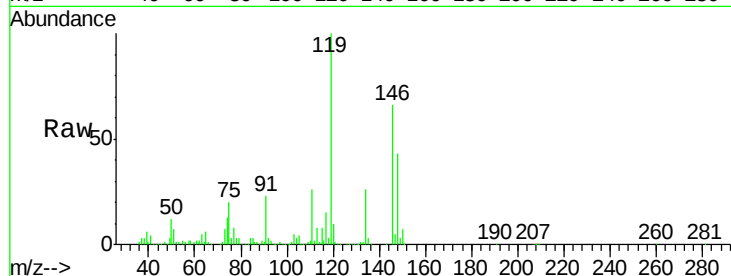
Tot Ion:146 Resp: 699704

Ion Ratio Lower Upper

146 100

111 38.1 19.0 57.0

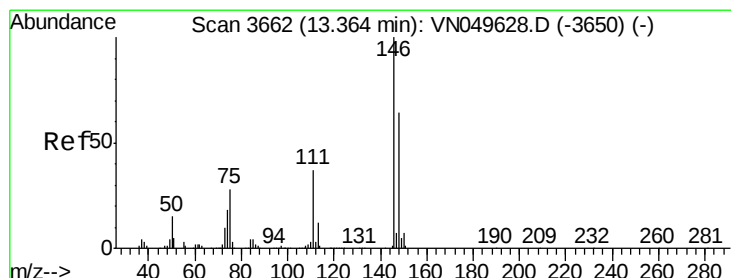
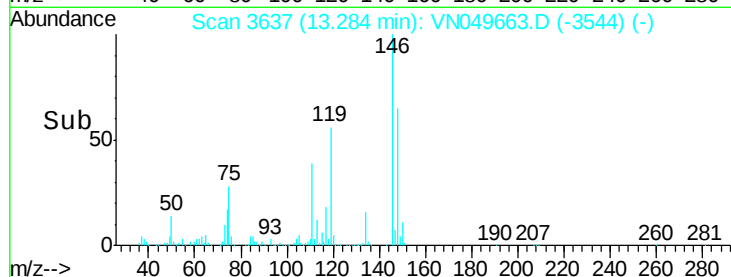
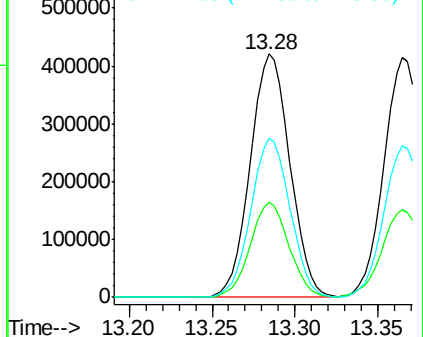
148 64.6 32.5 97.5



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: 19.89 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

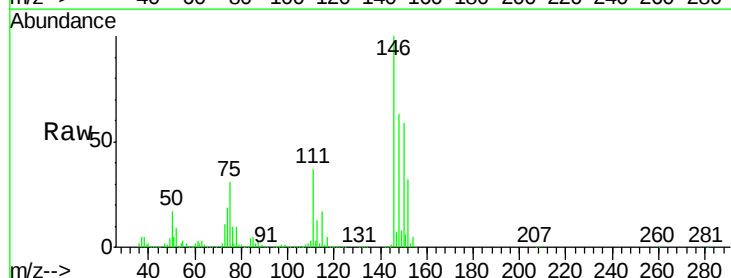
Tgt Ion:146 Resp: 685249

Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.5

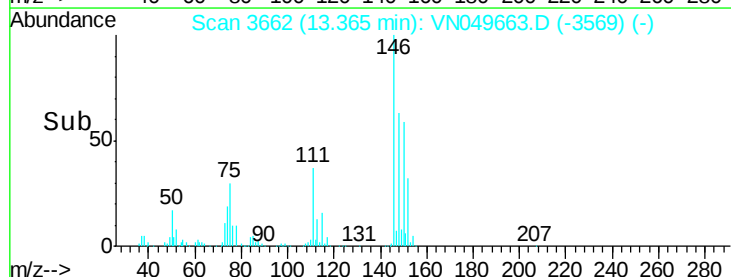
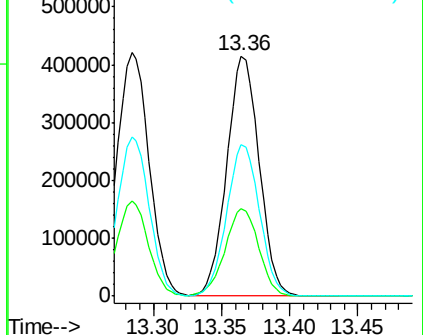
148 63.8 32.1 96.3

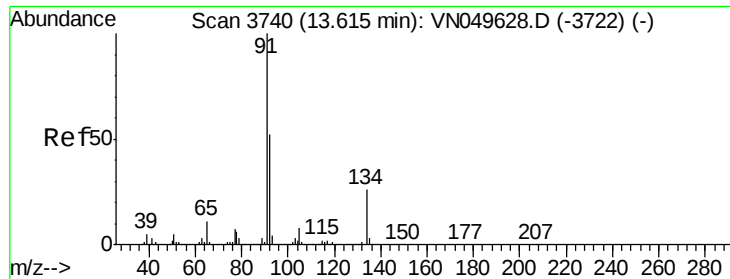


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

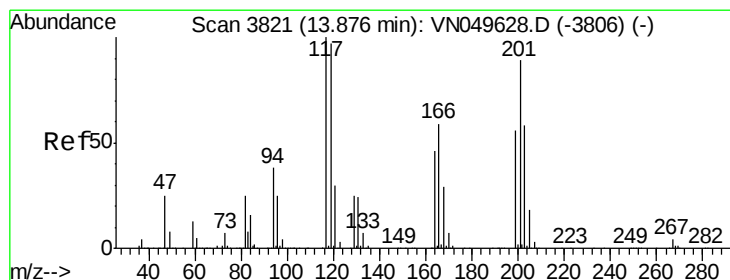
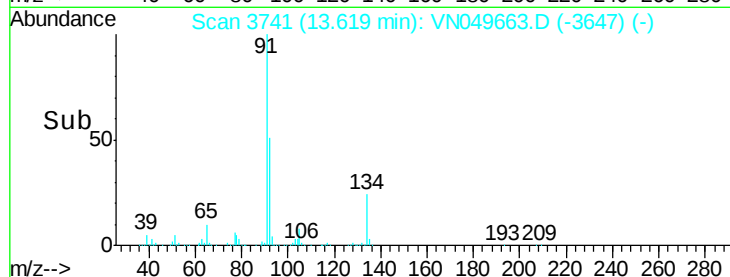
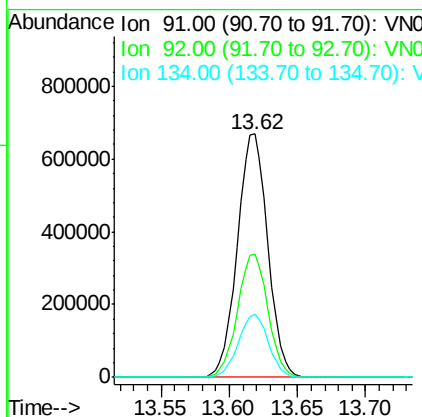
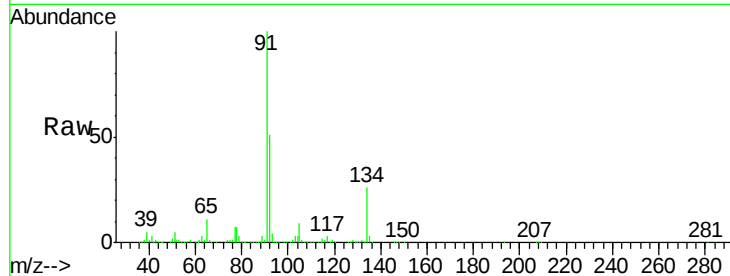




#89
n-Butylbenzene
Concen: 19.63 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

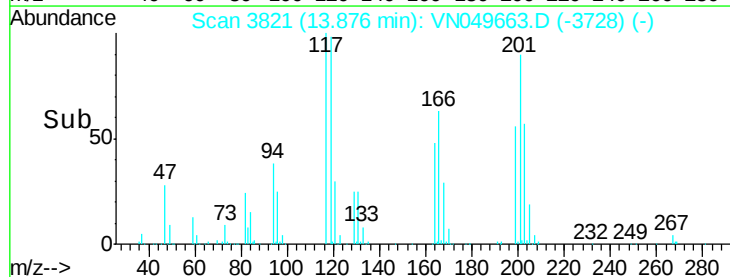
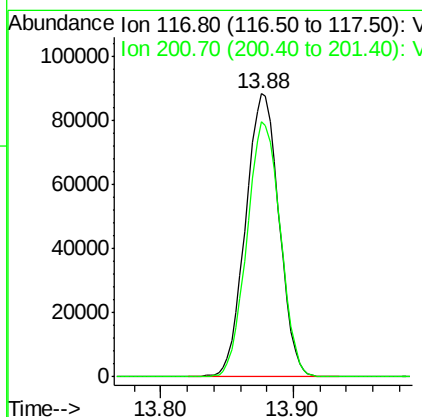
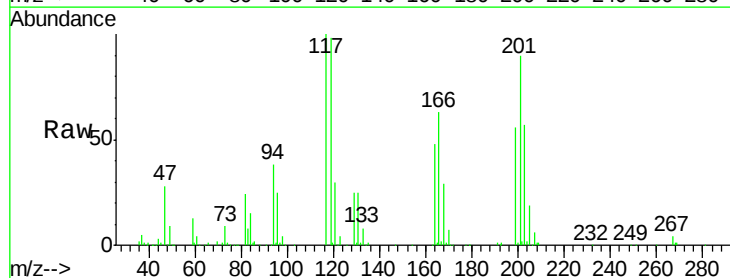
Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

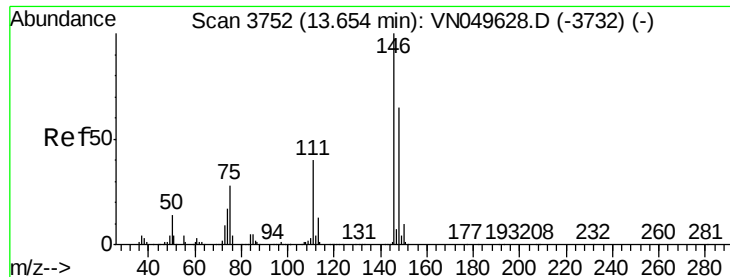
Tot Ion: 91 Resp: 1034613
Ion Ratio Lower Upper
91 100
92 50.5 25.8 77.3
134 25.6 13.0 38.9



#90
Hexachloroethane
Concen: 23.93 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 117 Resp: 154794
Ion Ratio Lower Upper
117 100
201 89.9 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 20.12 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

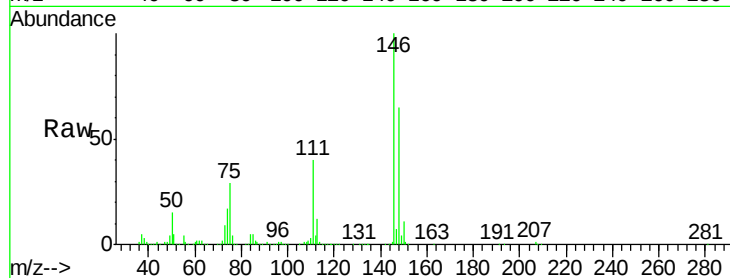
Tot Ion:146 Resp: 690999

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.1

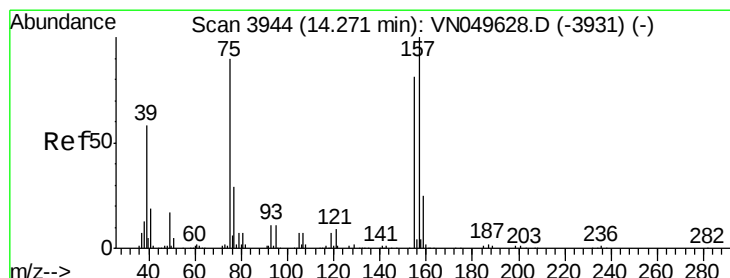
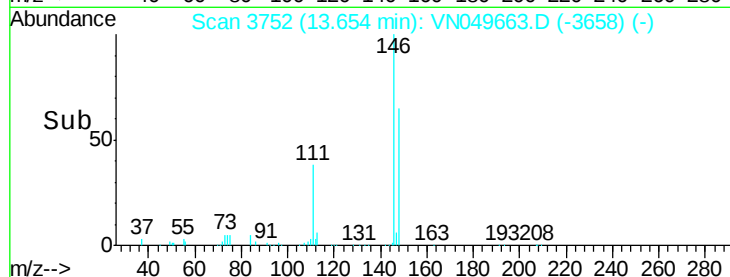
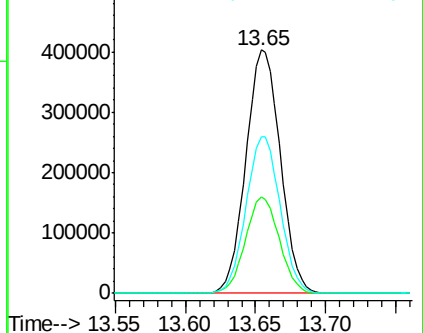
148 63.6 32.0 96.2



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: 21.10 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

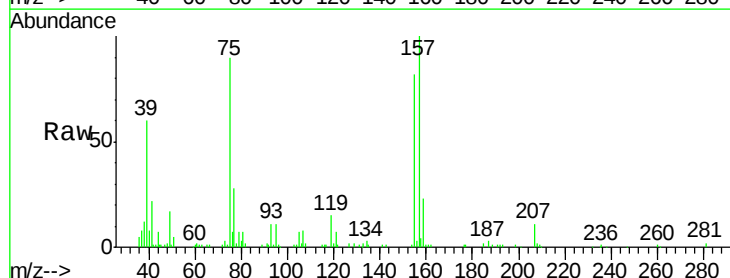
Tgt Ion: 75 Resp: 56879

Ion Ratio Lower Upper

75 100

155 88.4 45.7 137.1

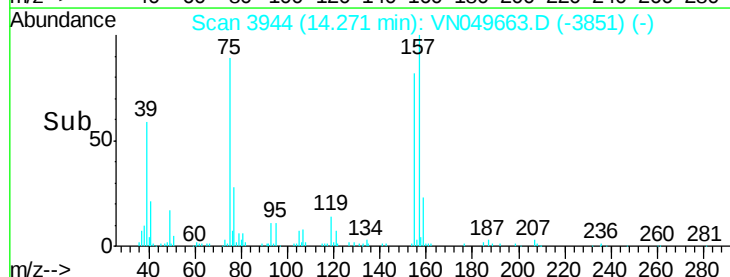
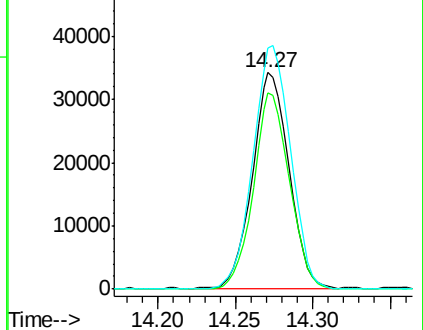
157 114.9 56.9 170.7

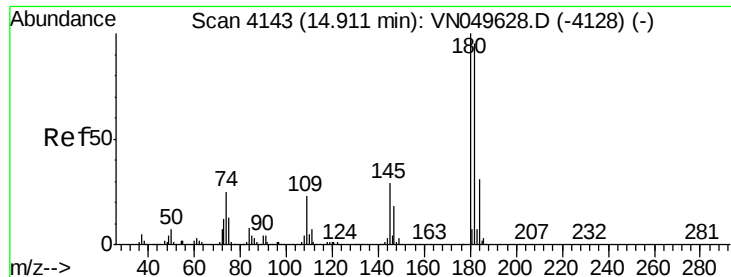


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

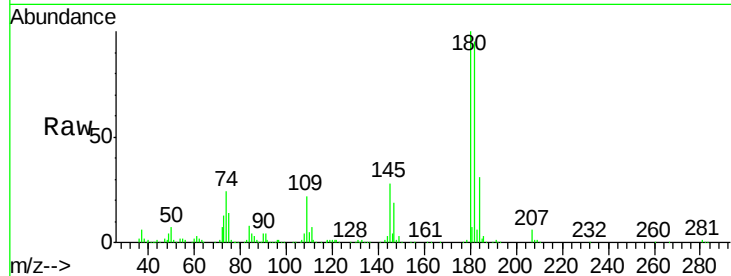




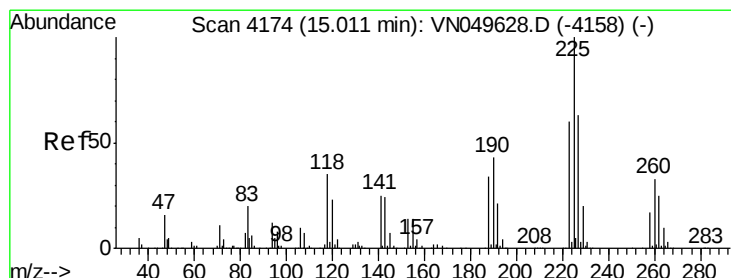
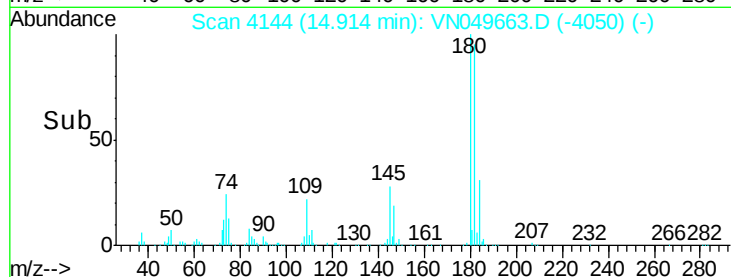
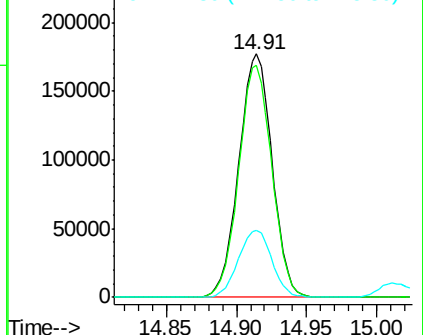
#93
 1,2,4-Trichlorobenzene
 Concen: 18.46 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion:180 Resp: 293262
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 141.9
 145 27.8 14.4 43.0

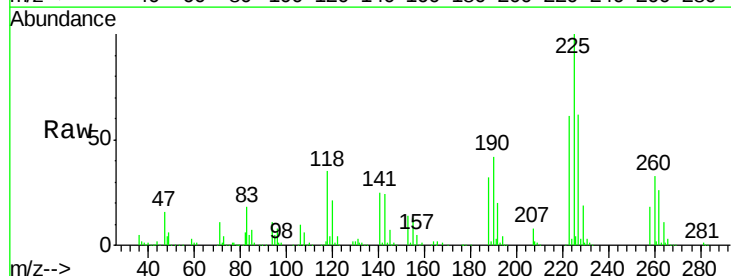


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

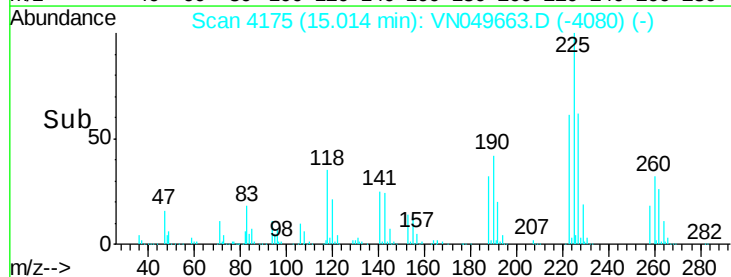
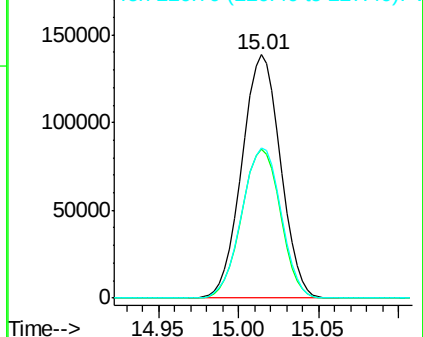


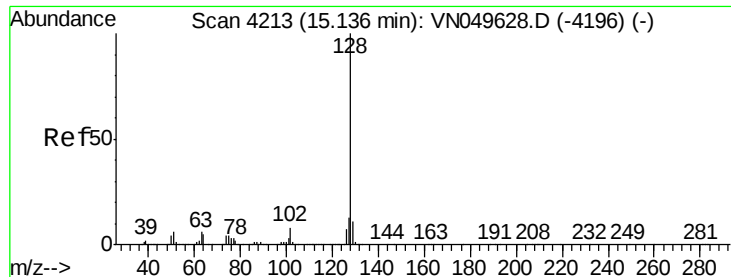
#94
 Hexachlorobutadiene
 Concen: 21.54 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion:225 Resp: 228638
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.9 92.7
 227 63.0 31.8 95.4



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: 17.76 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

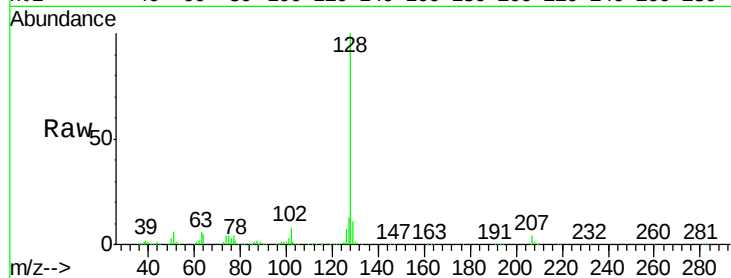
Tot Ion:128 Resp: 572073

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

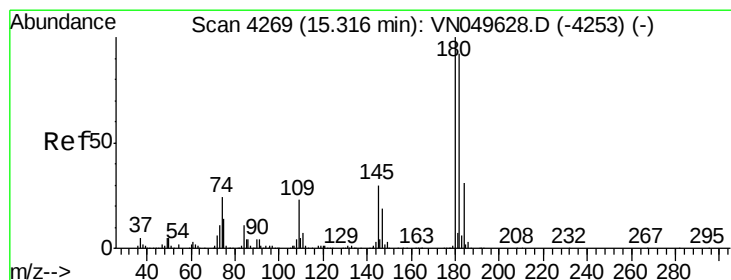
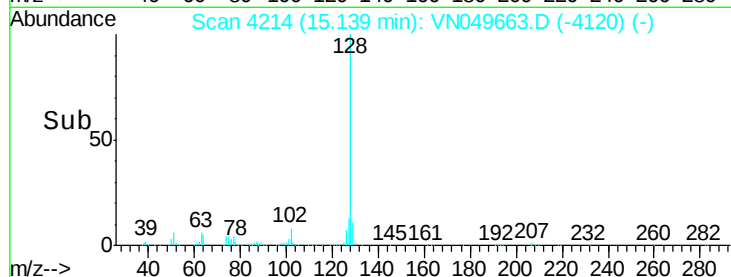
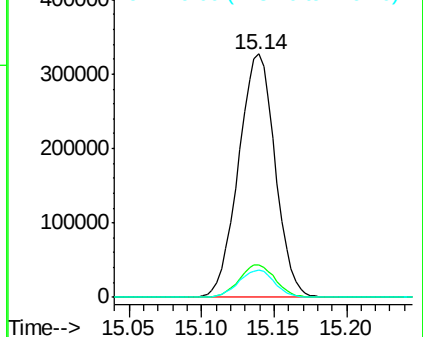
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.16 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

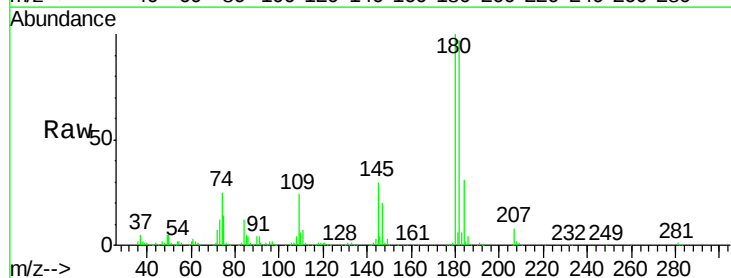
Tgt Ion:180 Resp: 299052

Ion Ratio Lower Upper

180 100

182 95.8 47.4 142.2

145 29.5 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

