

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
 Data File : VN049567.D
 Acq On : 27 Jun 2018 12:55
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 17:22:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1612245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2374730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2165062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1176649	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	989877	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	7.59	113	873743	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	10.09	98	3496987	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	1205596	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	1000529	53.92	ug/l	100
3) Chloromethane	2.06	50	1119071	46.70	ug/l	99
4) Vinyl Chloride	2.18	62	1238184	48.62	ug/l	100
5) Bromomethane	2.56	94	583526	43.59	ug/l	96
6) Chloroethane	2.70	64	749187	49.34	ug/l	98
7) Trichlorofluoromethane	3.02	101	1414749	44.53	ug/l	99
8) Diethyl Ether	3.40	74	550438	49.62	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1013314	50.29	ug/l	92
10) Methyl Iodide	3.94	142	1308319	62.37	ug/l	91
11) Tert butyl alcohol	4.79	59	264025	210.37	ug/l	98
12) 1,1-Dichloroethene	3.73	96	919476	49.74	ug/l	91
13) Acrolein	3.60	56	398426	302.72	ug/l	98
14) Allyl chloride	4.32	41	1246722	42.71	ug/l	89
15) Acrylonitrile	4.99	53	1421918	226.57	ug/l	99
16) Acetone	3.82	43	912660	175.78	ug/l	91
17) Carbon Disulfide	4.05	76	2806804	48.44	ug/l	100
18) Methyl Acetate	4.32	43	1043190	65.89	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2392939	50.77	ug/l	99
20) Methylene Chloride	4.55	84	1021305	47.10	ug/l	90
21) trans-1,2-Dichloroethene	5.03	96	980124	50.08	ug/l	93
22) Diisopropyl ether	5.95	45	3009764	51.64	ug/l	97
23) Vinyl Acetate	5.89	43	9877959	259.96	ug/l	95
24) 1,1-Dichloroethane	5.84	63	1819404	48.77	ug/l	99
25) 2-Butanone	6.83	43	1499348	215.06	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1533479	50.90	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	1102093	50.65	ug/l	92
28) Bromochloromethane	7.19	49	773260	46.75	ug/l	# 83
29) Tetrahydrofuran	7.21	42	1045104	232.88	ug/l	93
30) Chloroform	7.37	83	1814238	48.86	ug/l	99
31) Cyclohexane	7.65	56	1689213	53.42	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1596117	50.38	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1433296	52.66	ug/l	97
37) Ethyl Acetate	6.92	43	741092	50.09	ug/l	97
38) Carbon Tetrachloride	7.77	117	1409043	50.01	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1644027	56.27	ug/l	95
40) Benzene	8.04	78	4188232	50.19	ug/l	99
41) Methacrylonitrile	7.17	41	446897	55.87	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1272293	49.35	ug/l	96
43) Isopropyl Acetate	8.16	43	1659346	58.70	ug/l	99
44) Trichloroethene	8.83	130	1216656	55.22	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1096333	50.18	ug/l	100
46) Dibromomethane	9.21	93	621724	49.08	ug/l	91
47) Bromodichloromethane	9.40	83	1383535	49.70	ug/l	96
48) Methyl methacrylate	9.20	41	699102	52.51	ug/l	88
49) 1,4-Dioxane	9.20	88	166149	904.26	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	3568953	240.88	ug/l	94
52) Toluene	10.16	92	2609512	53.28	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1362183	51.15	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1645939	52.34	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	887547	48.61	ug/l	96
56) Ethyl methacrylate	10.43	69	1114269	52.90	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1489913	49.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	2761389	360.04	ug/l	94
59) 2-Hexanone	10.75	43	2396290	250.86	ug/l	92
60) Dibromochloromethane	10.90	129	1014161	49.77	ug/l	99
61) 1,2-Dibromoethane	11.00	107	864909	50.97	ug/l	99
64) Tetrachloroethene	10.63	164	1353078	60.99	ug/l	98
65) Chlorobenzene	11.43	112	2844095	50.99	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1027487	48.95	ug/l	99
67) Ethyl Benzene	11.51	91	4969302	53.72	ug/l	98
68) m/p-Xylenes	11.62	106	3864550	111.31	ug/l	97
69) o-Xylene	11.95	106	1840925	55.05	ug/l	97
70) Styrene	11.96	104	3034811	57.53	ug/l	97
71) Bromoform	12.13	173	674896	49.68	ug/l #	99
73) Isopropylbenzene	12.25	105	4881161	47.25	ug/l	98
74) N-amyl acetate	12.07	43	1242307	49.09	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	938194	43.87	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1285239	64.02	ug/l #	100
77) Bromobenzene	12.53	156	1240405	45.45	ug/l	88
78) n-propylbenzene	12.59	91	5788565	51.03	ug/l	98
79) 2-Chlorotoluene	12.67	91	3363255	46.79	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	4160516	51.24	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	281967	44.39	ug/l	91
82) 4-Chlorotoluene	12.77	91	3510055	50.62	ug/l	97
83) tert-Butylbenzene	12.99	119	3492530	48.55	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	4314844	53.49	ug/l	99
85) sec-Butylbenzene	13.17	105	4772798	49.85	ug/l	98
86) p-Isopropyltoluene	13.29	119	4275981	53.45	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	2286058	50.92	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2257597	50.74	ug/l	99
89) n-Butylbenzene	13.62	91	3668715	58.71	ug/l	97
90) Hexachloroethane	13.88	117	514491	33.42	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	2190002	49.74	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	158887	44.17	ug/l	84

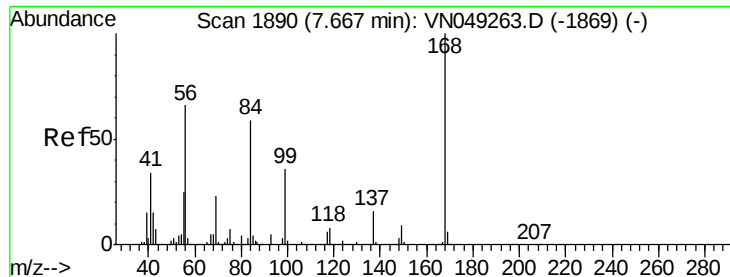
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1197261	58.44	ug/l	99
94) Hexachlorobutadiene	15.01	225	715763	55.90	ug/l	99
95) Naphthalene	15.14	128	2389177	63.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1101286	55.42	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

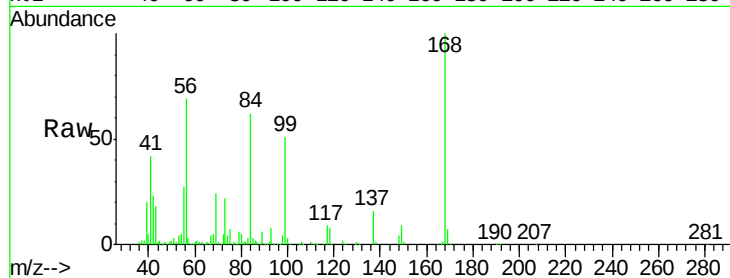
ClientSampleId :

Tot Ion:168 Resp: 1612245

Ion Ratio Lower Upper

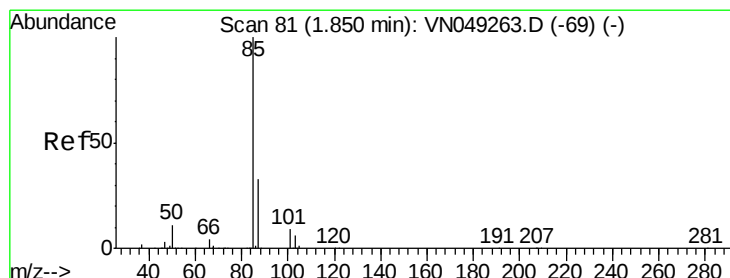
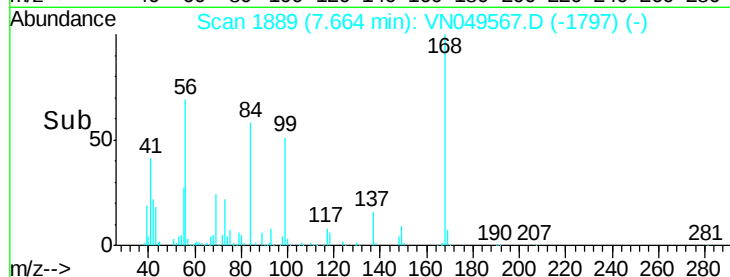
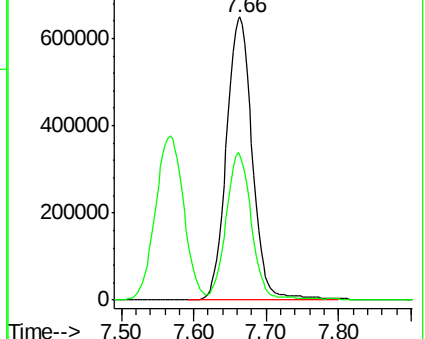
168 100

99 51.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.92 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049567.D

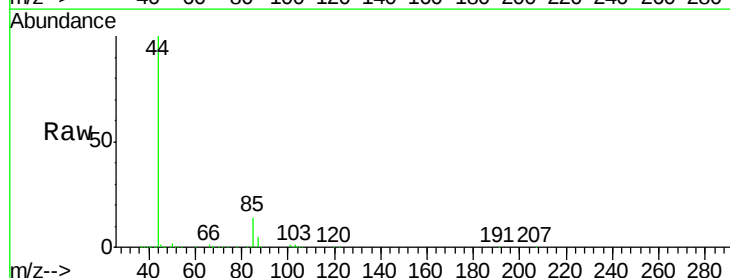
Acq: 27 Jun 2018 12:55

Tgt Ion: 85 Resp: 1000529

Ion Ratio Lower Upper

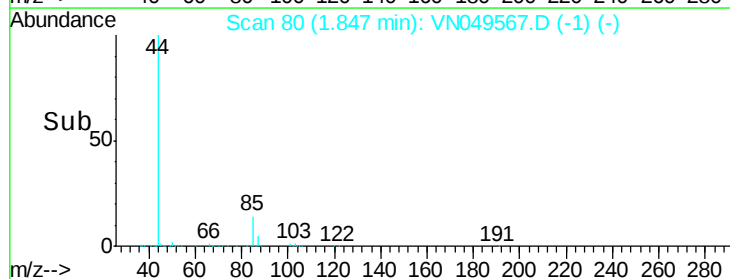
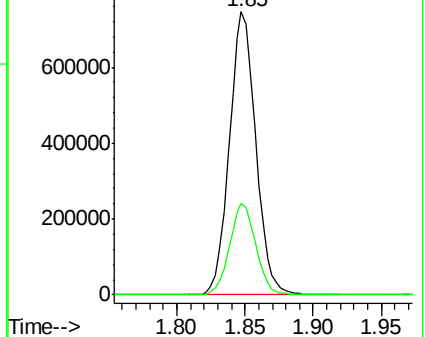
85 100

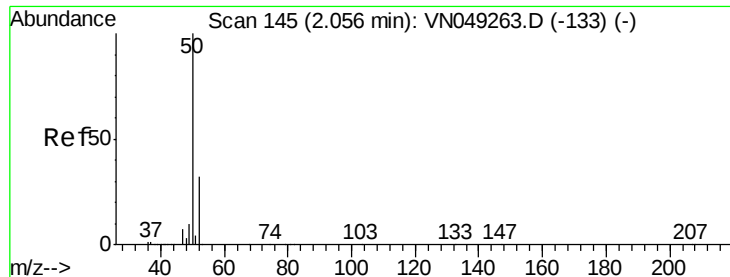
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.70 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

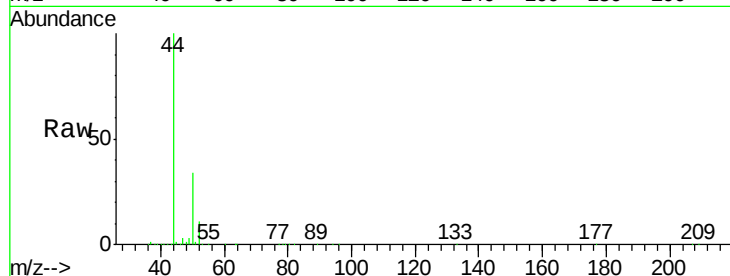
ClientSampleId :

Tot Ion: 50 Resp: 1119071

Ion Ratio Lower Upper

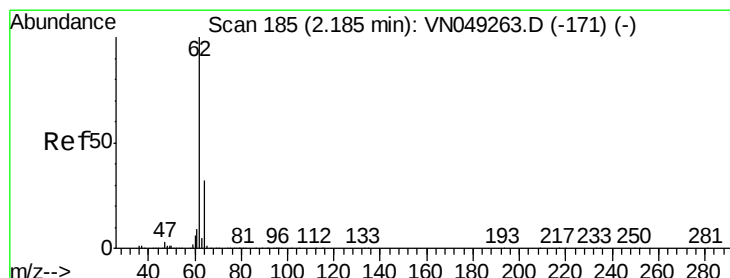
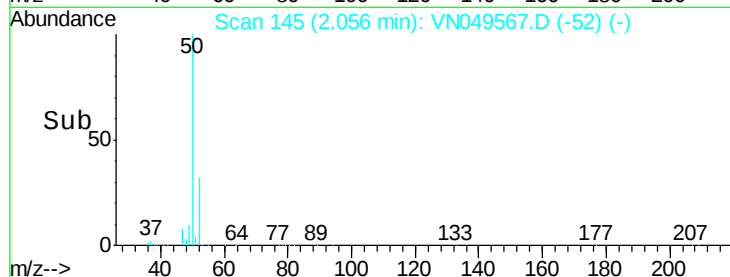
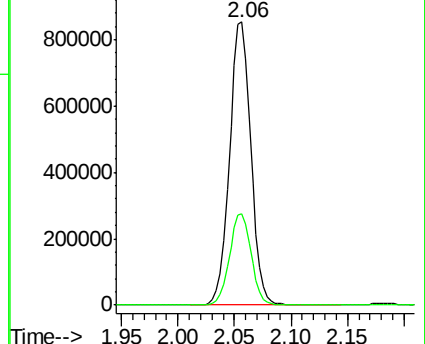
50 100

52 32.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049567.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049567.D (-52) (-)



#4

Vinyl Chloride

Concen: 48.62 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049567.D

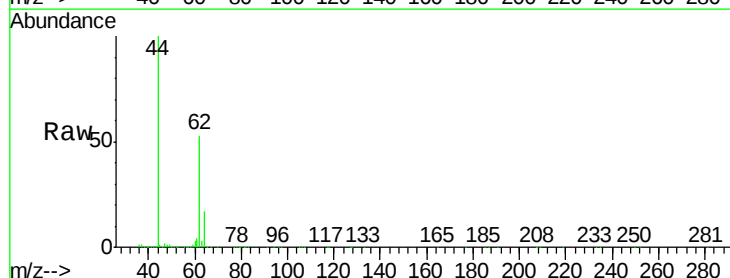
Acq: 27 Jun 2018 12:55

Tgt Ion: 62 Resp: 1238184

Ion Ratio Lower Upper

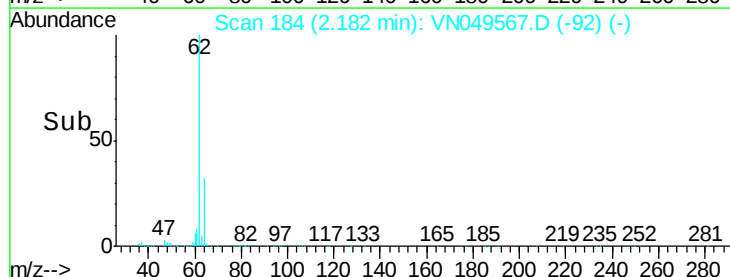
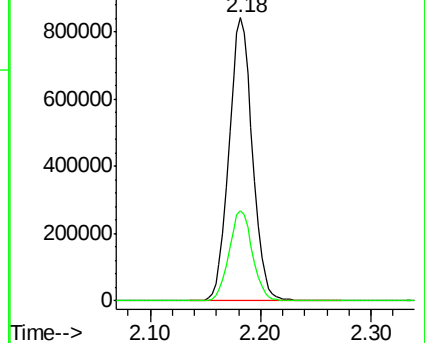
62 100

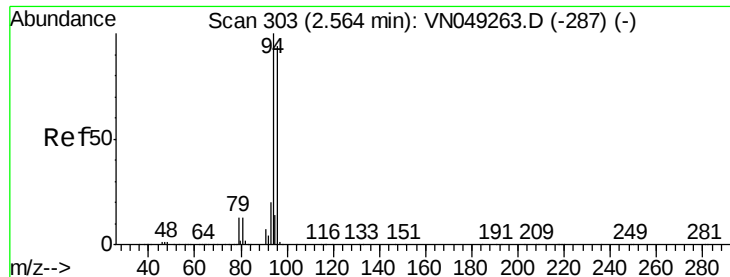
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049567.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049567.D (-92) (-)





#5

Bromomethane

Concen: 43.59 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

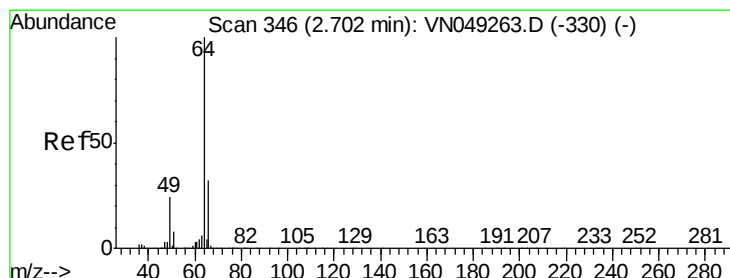
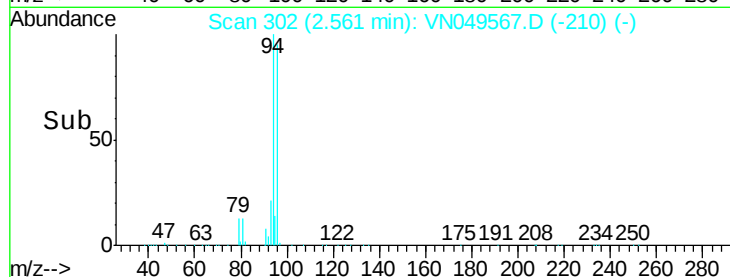
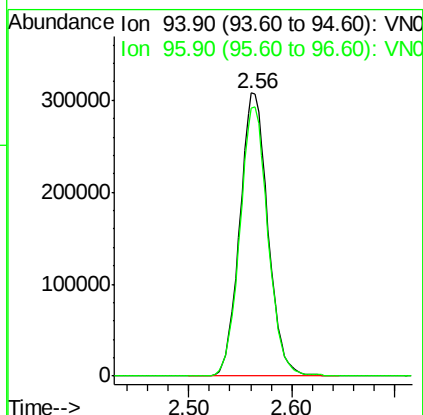
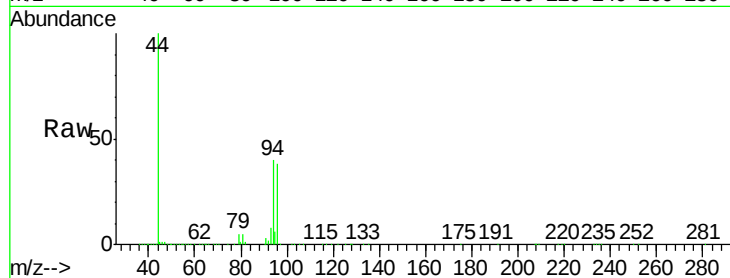
ClientSampled :

Tot Ion: 94 Resp: 583526

Ion Ratio Lower Upper

94 100

96 94.7 72.8 109.2



#6

Chloroethane

Concen: 49.34 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049567.D

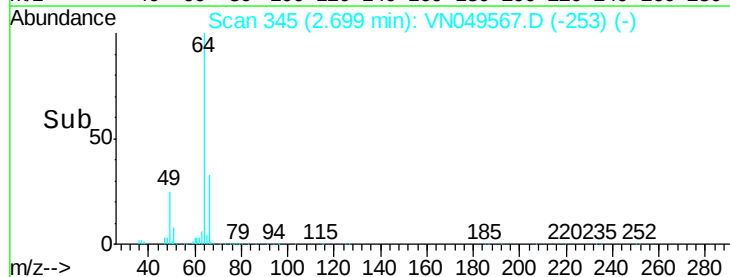
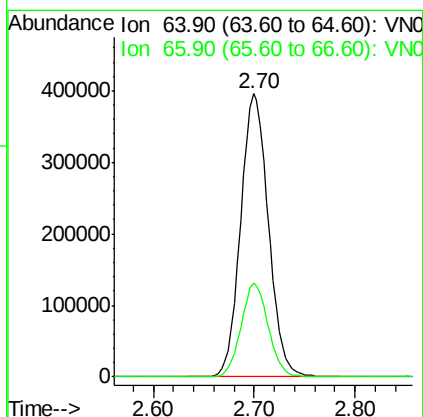
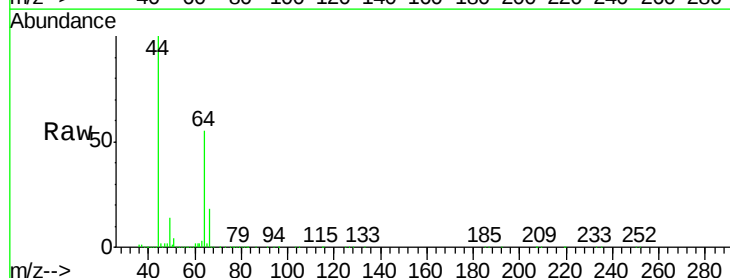
Acq: 27 Jun 2018 12:55

Tgt Ion: 64 Resp: 749187

Ion Ratio Lower Upper

64 100

66 33.2 25.6 38.4



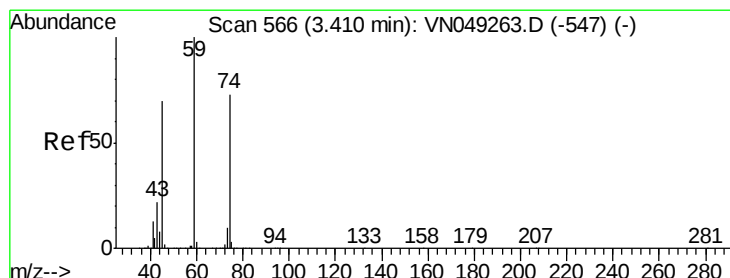
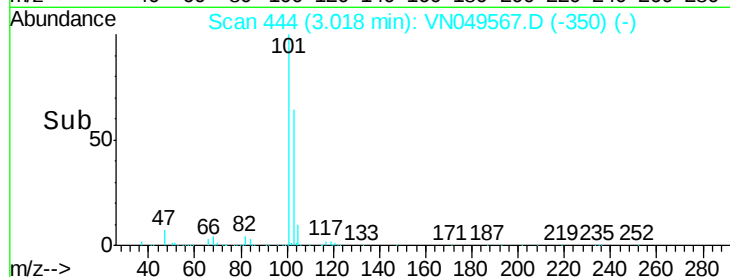
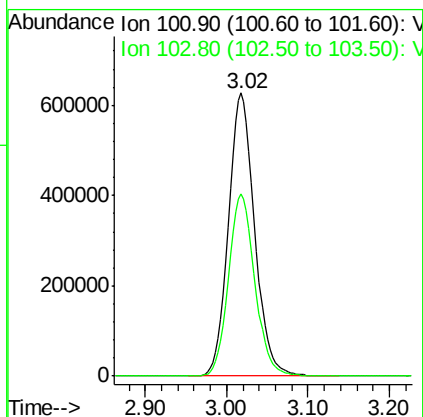
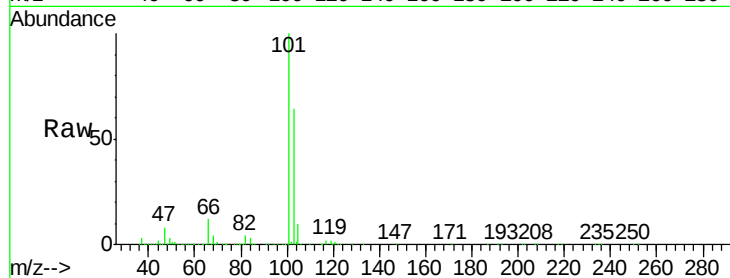


#7

Trichlorofluoromethane
Concen: 44.53 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Instrument :
MSVOA_N
ClientSampled :

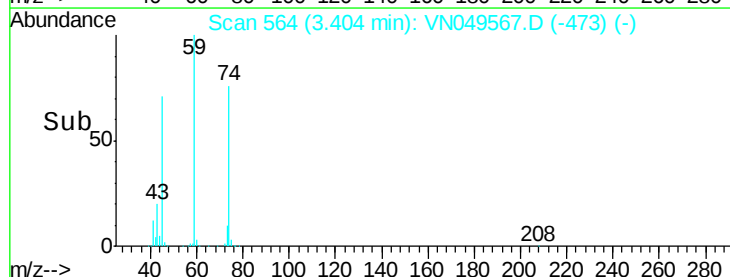
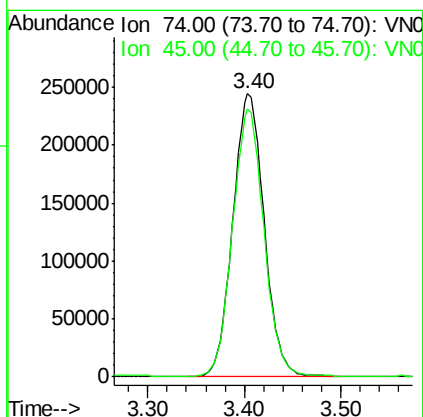
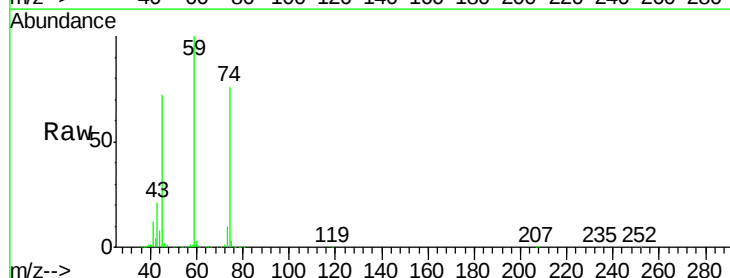
Tot Ion:101 Resp: 1414749
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5



#8

Diethyl Ether
Concen: 49.62 ug/l
RT: 3.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion: 74 Resp: 550438
Ion Ratio Lower Upper
74 100
45 94.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.29 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampleId :

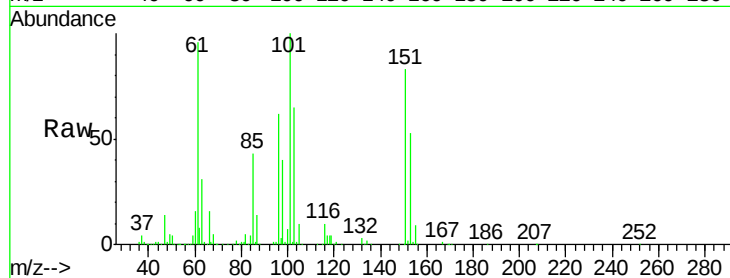
Tot Ion:101 Resp: 1013314

Ion	Ratio	Lower	Upper
101	100		
85	41.9	37.6	56.4
151	83.1	61.1	91.7

101 100

85 41.9 37.6 56.4

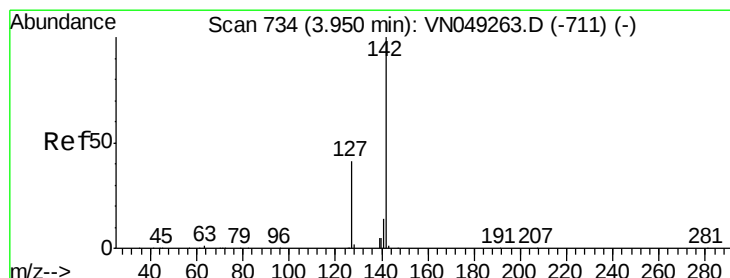
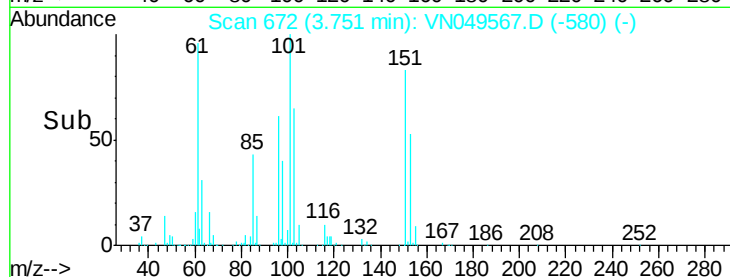
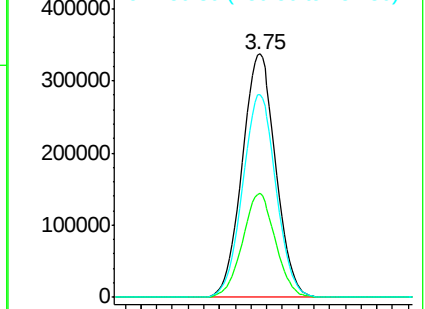
151 83.1 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 62.37 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

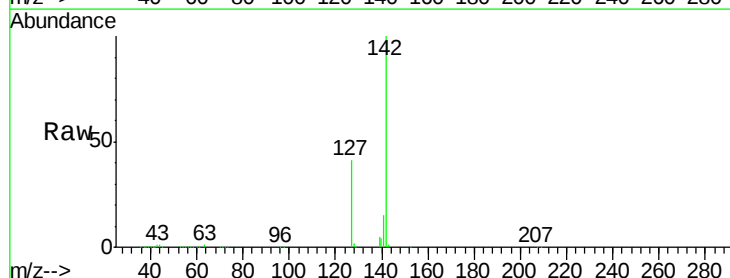
Tgt Ion:142 Resp: 1308319

Ion	Ratio	Lower	Upper
142	100		
127	40.4	38.2	57.4
141	14.4	11.9	17.9

142 100

127 40.4 38.2 57.4

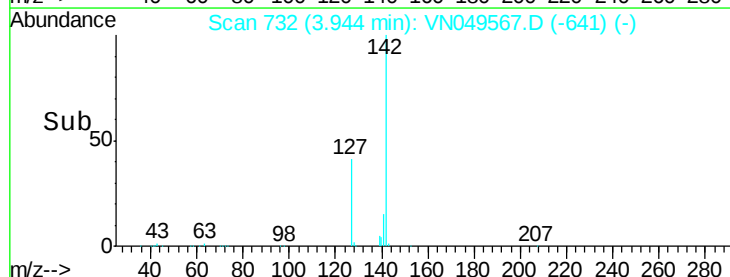
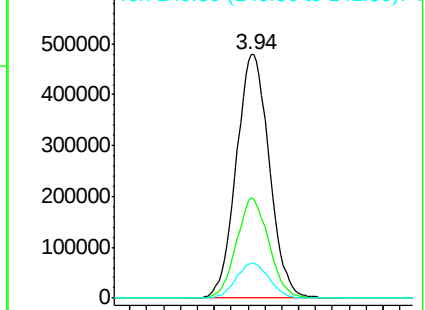
141 14.4 11.9 17.9

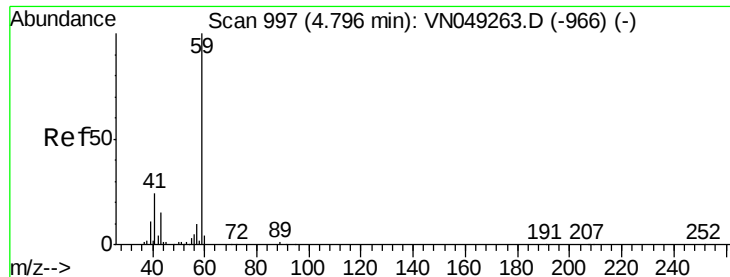


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



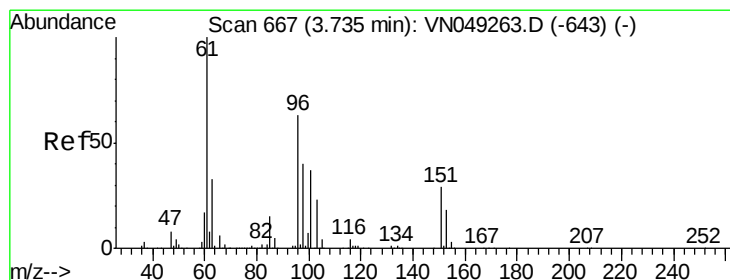
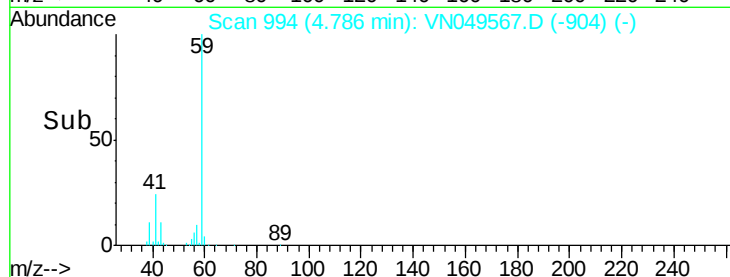
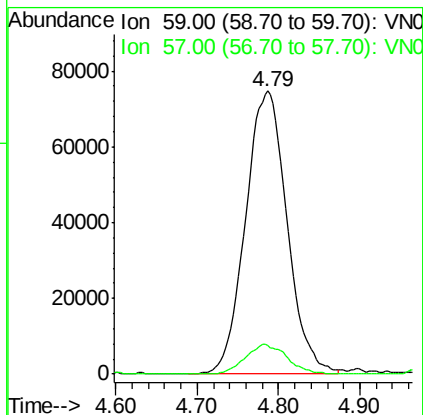
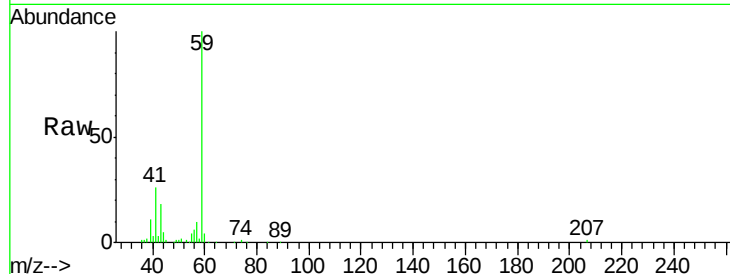


#11

Tert butyl alcohol
 Concen: 210.37 ug/l
 RT: 4.79 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Instrument :
 MSVOA_N
 ClientSampled :

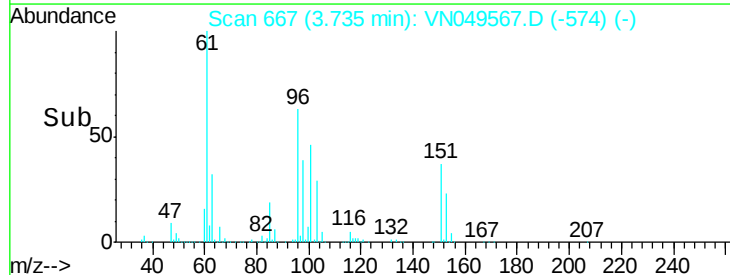
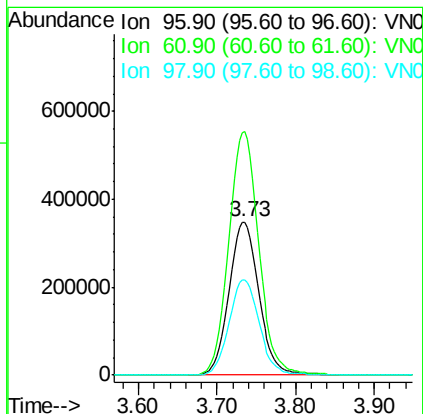
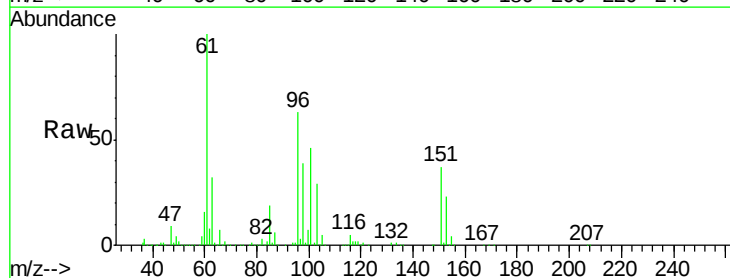
Tot Ion: 59 Resp: 264025
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

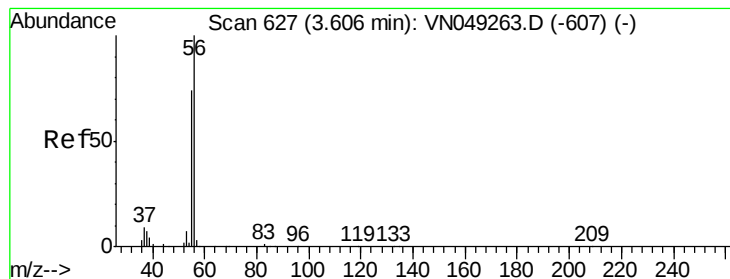


#12

1,1-Dichloroethene
 Concen: 49.74 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion: 96 Resp: 919476
 Ion Ratio Lower Upper
 96 100
 61 159.1 141.0 211.4
 98 62.3 50.4 75.6





#13

Acrolein

Concen: 302.72 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

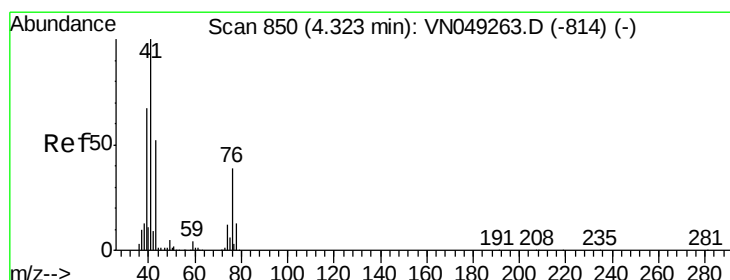
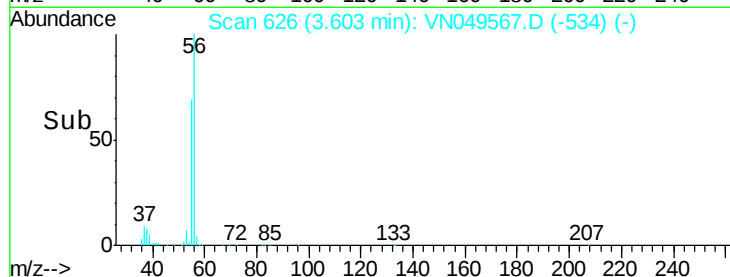
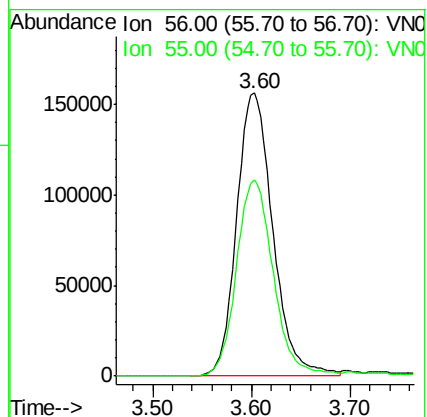
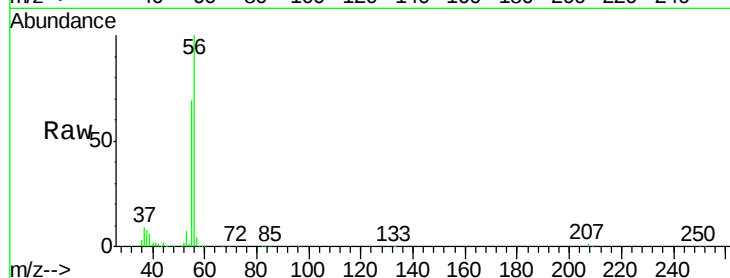
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 398426

Ion Ratio Lower Upper

56 100

55 69.8 57.1 85.7



#14

Allyl chloride

Concen: 42.71 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

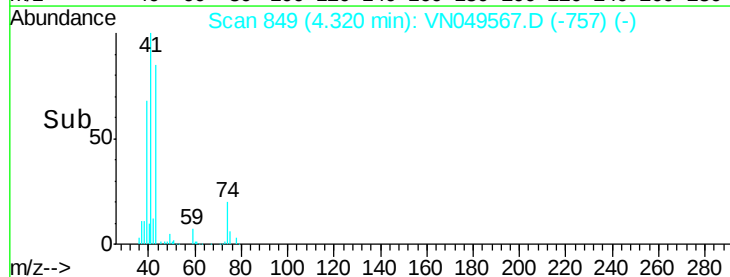
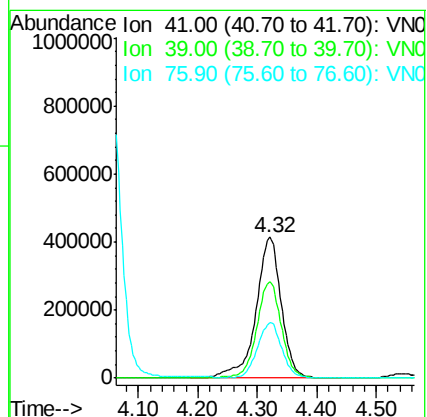
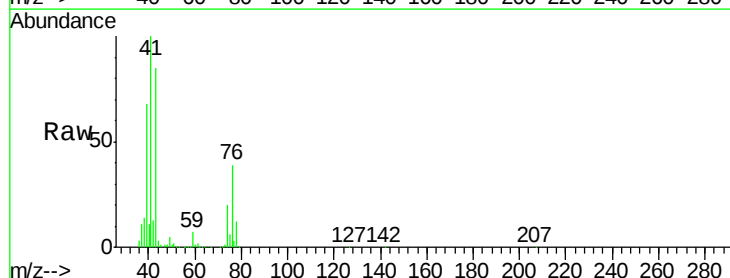
Tgt Ion: 41 Resp: 1246722

Ion Ratio Lower Upper

41 100

39 66.0 62.5 93.7

76 37.2 27.1 40.7



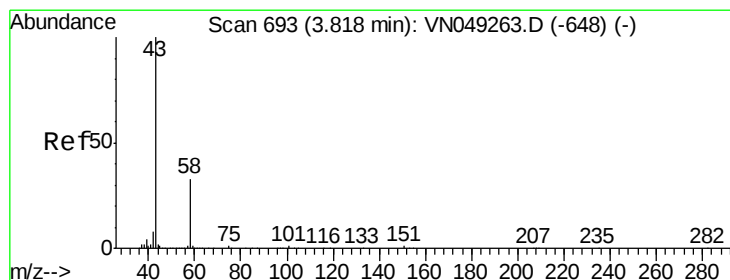
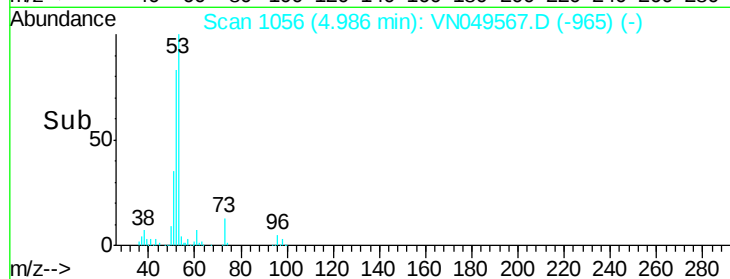
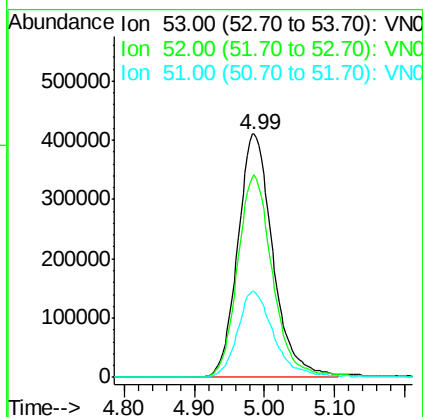
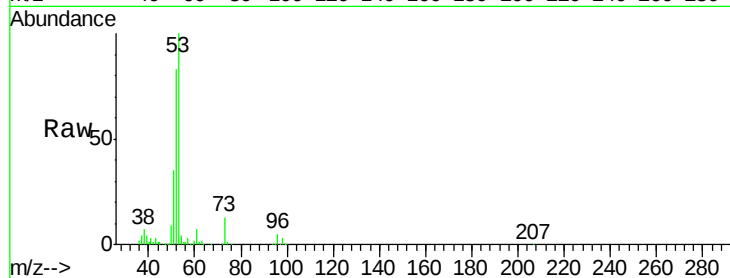


#15
 Acrylonitrile
 Concen: 226.57 ug/l
 RT: 4.99 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 53 Resp: 1421918

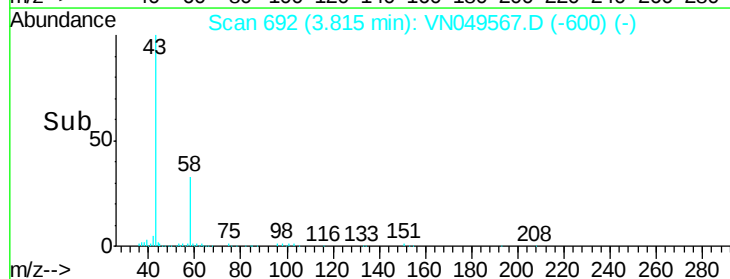
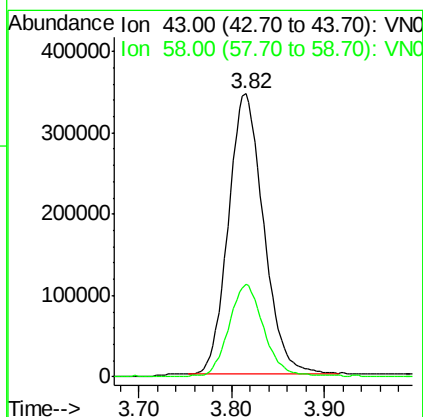
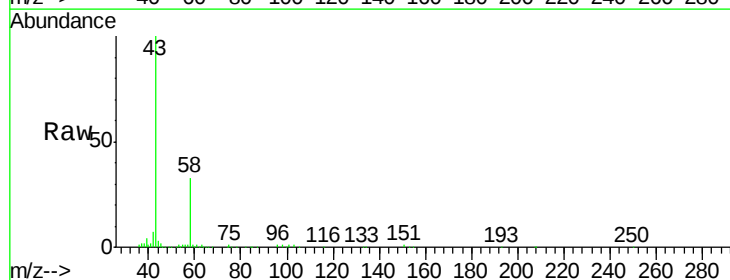
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	36.4	29.8	44.8

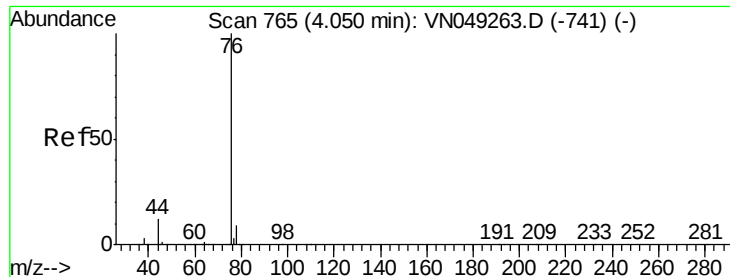


#16
 Acetone
 Concen: 175.78 ug/l
 RT: 3.82 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion: 43 Resp: 912660

Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.4	33.6





#17

Carbon Disulfide

Concen: 48.44 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

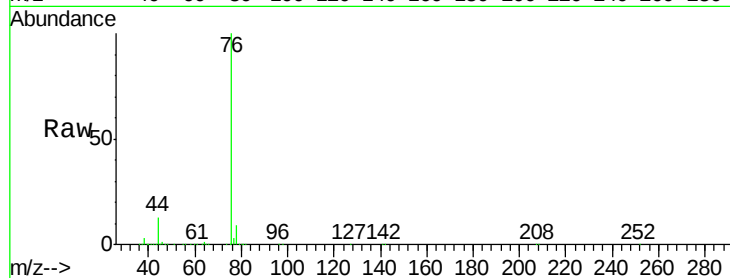
ClientSampled :

Tot Ion: 76 Resp: 2806804

Ion Ratio Lower Upper

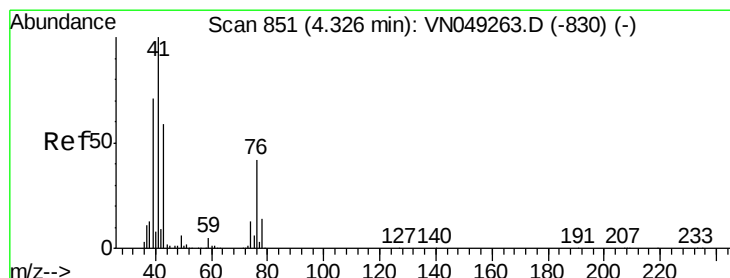
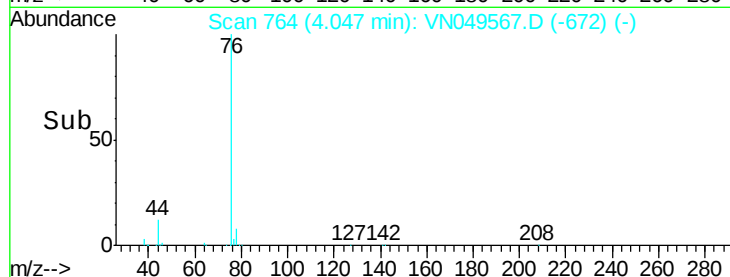
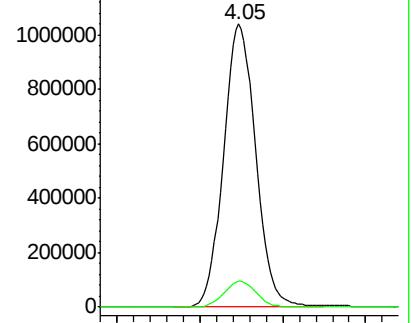
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 65.89 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049567.D

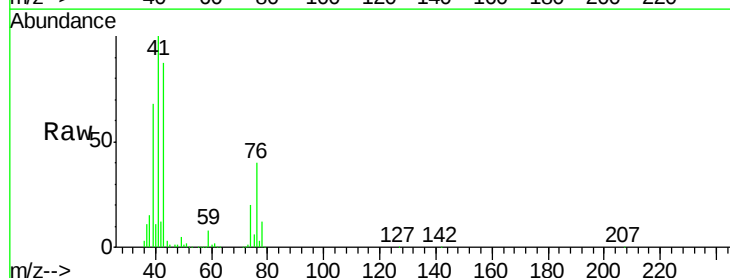
Acq: 27 Jun 2018 12:55

Tgt Ion: 43 Resp: 1043190

Ion Ratio Lower Upper

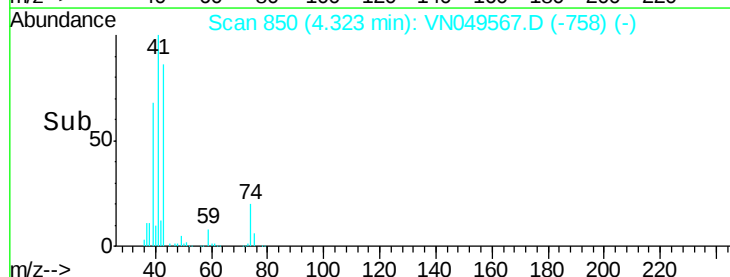
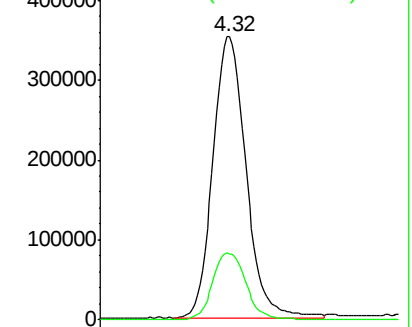
43 100

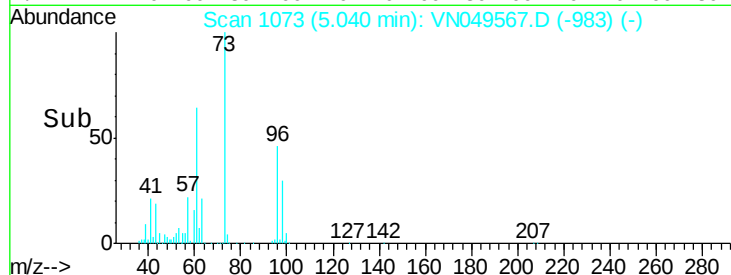
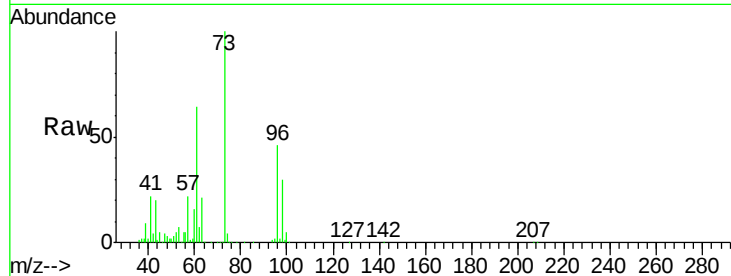
74 24.2 17.4 26.0



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: 50.77 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

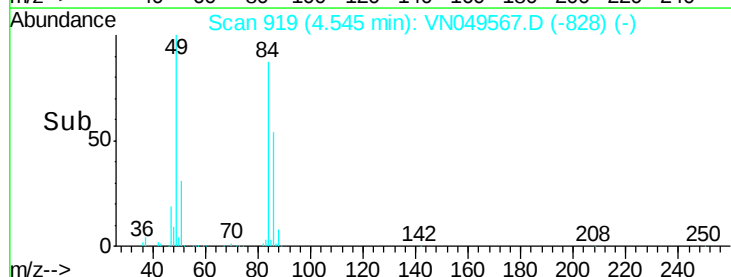
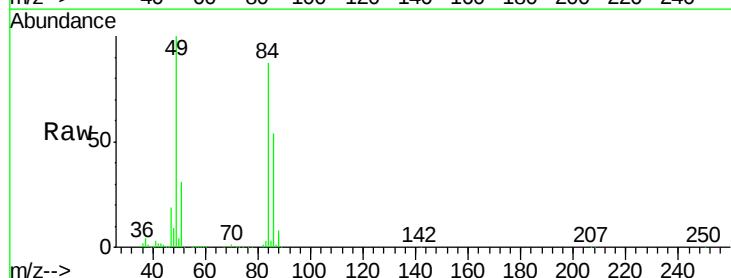
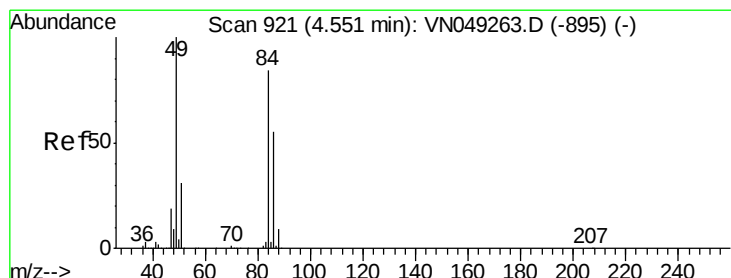
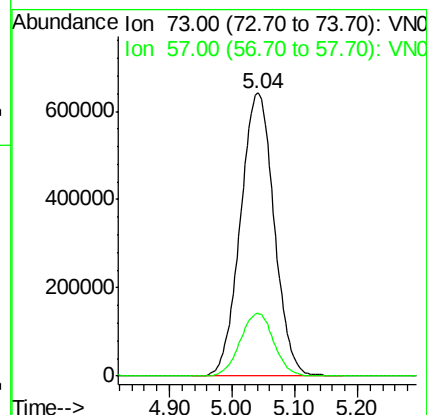
ClientSampleId :

Tot Ion: 73 Resp: 2392939

Ion Ratio Lower Upper

73 100

57 22.2 18.2 27.4



#20

Methylene Chloride

Concen: 47.10 ug/l

RT: 4.55 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Tgt Ion: 84 Resp: 1021305

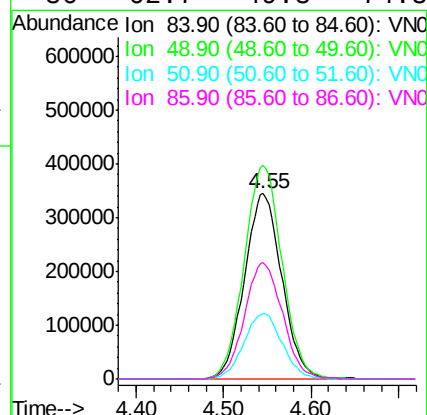
Ion Ratio Lower Upper

84 100

49 115.3 106.9 160.3

51 35.4 32.7 49.1

86 62.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.08 ug/l

RT: 5.03 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :
MSVOA_N
ClientSampled :

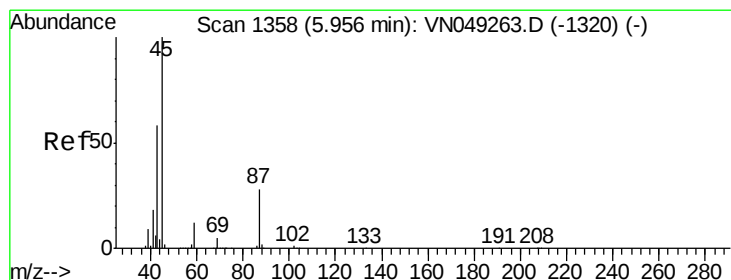
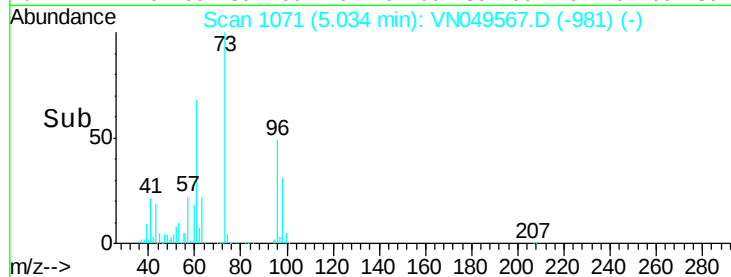
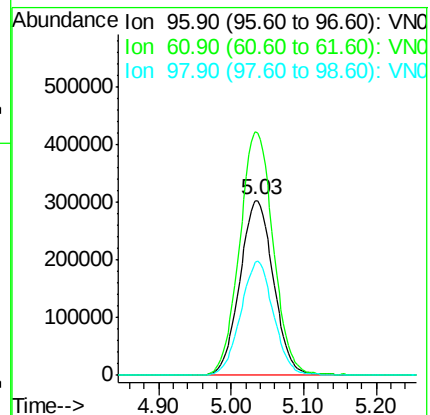
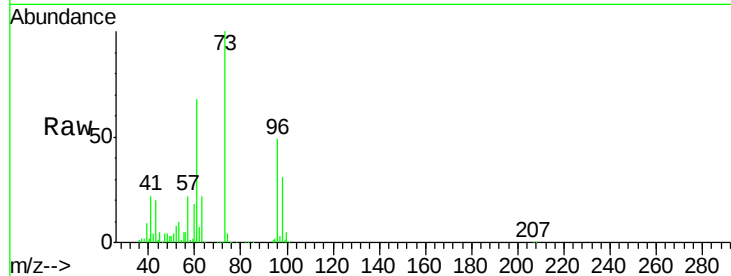
Tot Ion: 96 Resp: 980124

Ion Ratio Lower Upper

96 100

61 139.0 121.3 181.9

98 64.4 52.0 78.0



#22

Diisopropyl ether

Concen: 51.64 ug/l

RT: 5.95 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Tgt Ion: 45 Resp: 3009764

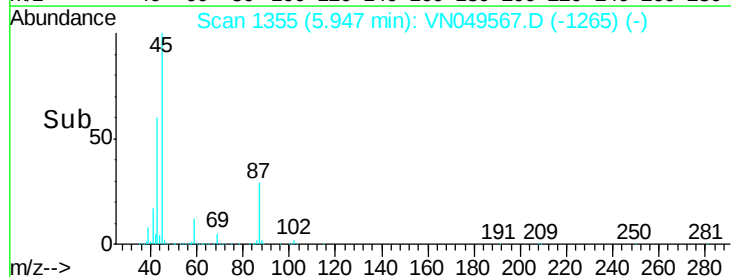
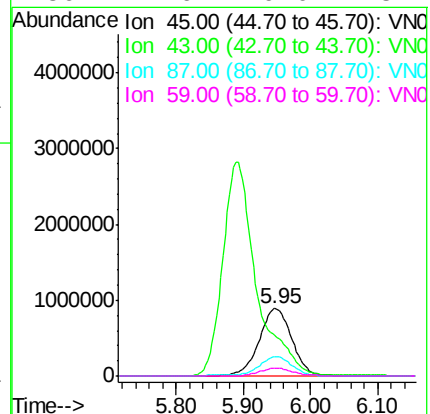
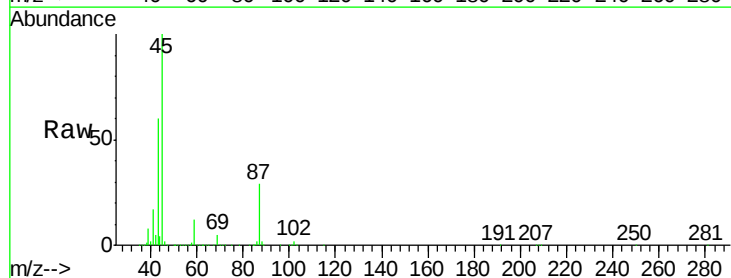
Ion Ratio Lower Upper

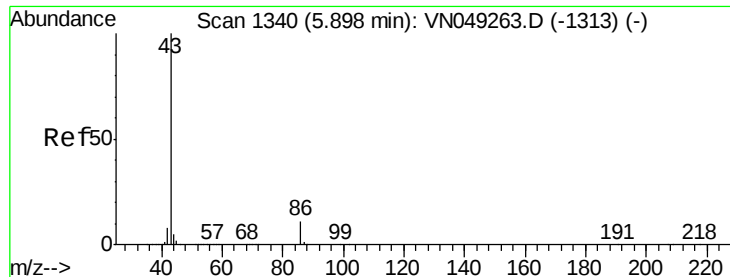
45 100

43 59.1 48.6 72.8

87 28.4 20.2 30.2

59 11.6 9.0 13.4

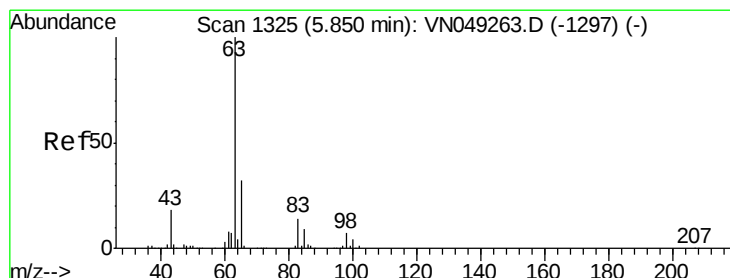
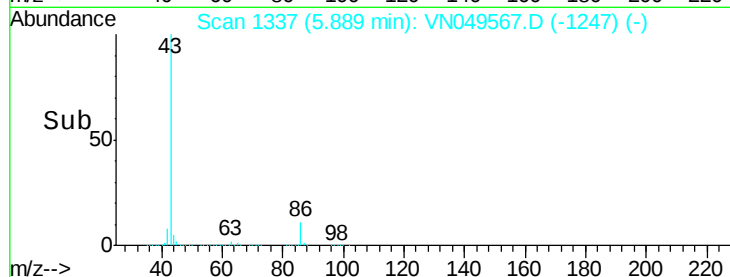
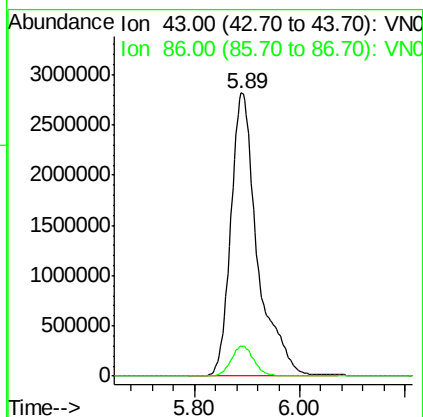
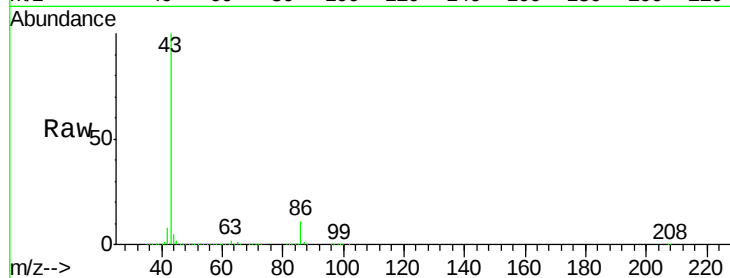




#23
 Vinyl Acetate
 Concen: 259.96 ug/l
 RT: 5.89 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

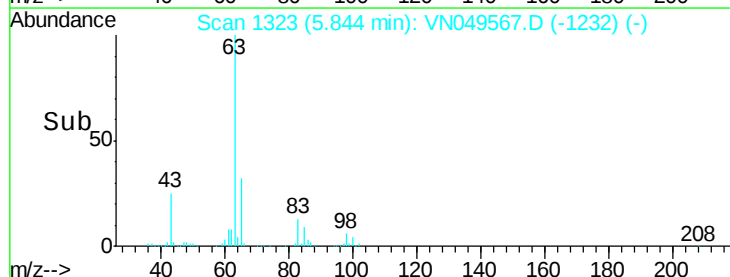
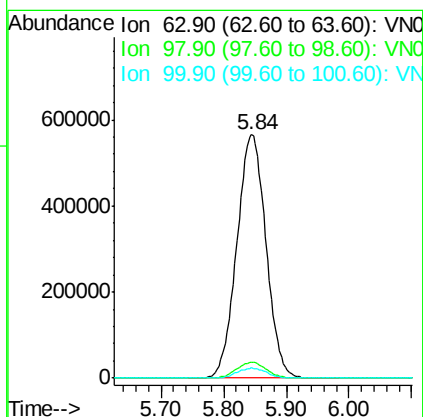
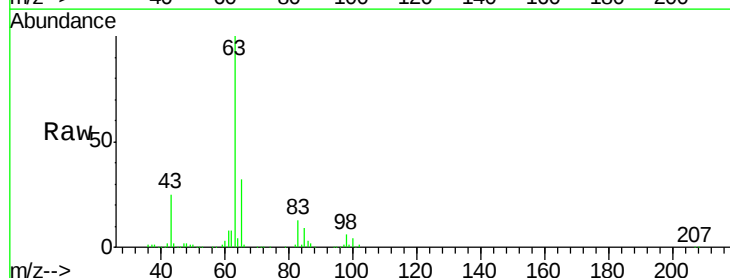
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 9877959
 Ion Ratio Lower Upper
 43 100
 86 10.7 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 48.77 ug/l
 RT: 5.84 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion: 63 Resp: 1819404
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 215.06 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

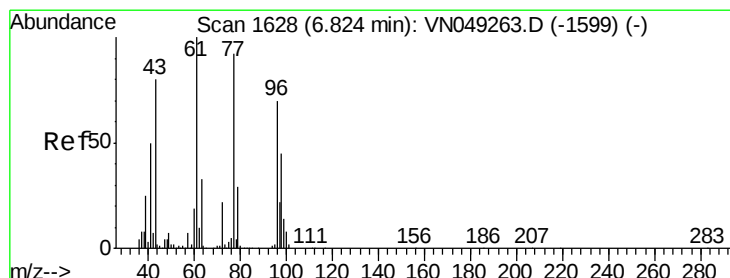
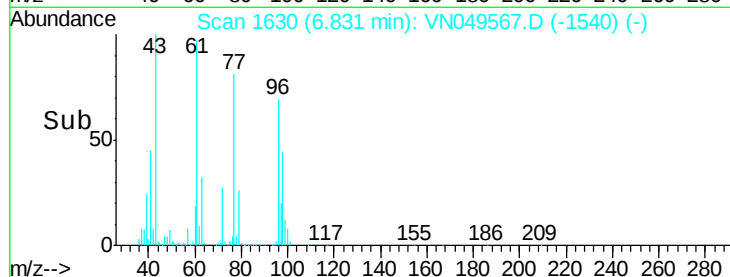
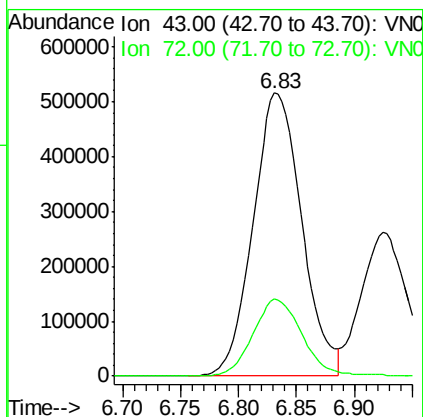
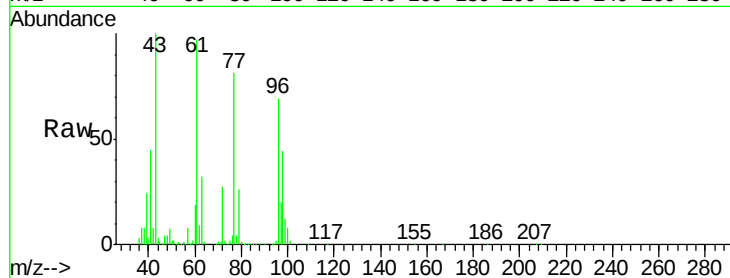
ClientSampleId :

Tot Ion: 43 Resp: 1499348

Ion Ratio Lower Upper

43 100

72 27.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 50.90 ug/l

RT: 6.82 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VN049567.D

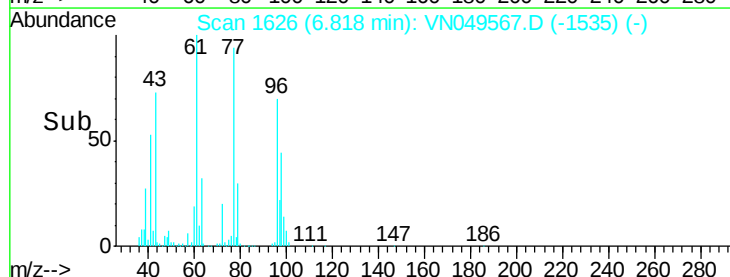
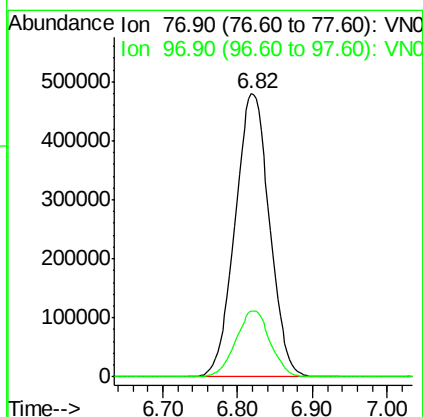
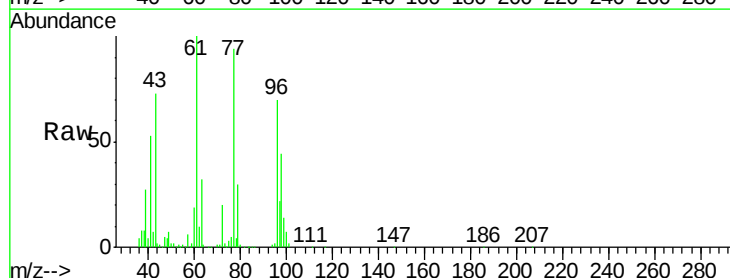
Acq: 27 Jun 2018 12:55

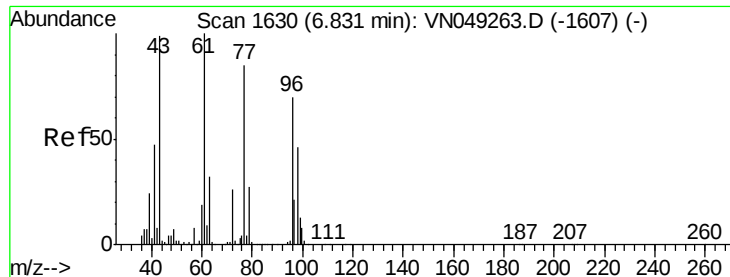
Tgt Ion: 77 Resp: 1533479

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 50.65 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :
MSVOA_N
ClientSampleId :

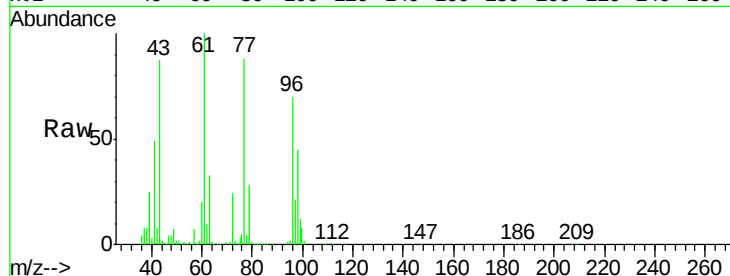
Tot Ion: 96 Resp: 1102093

Ion Ratio Lower Upper

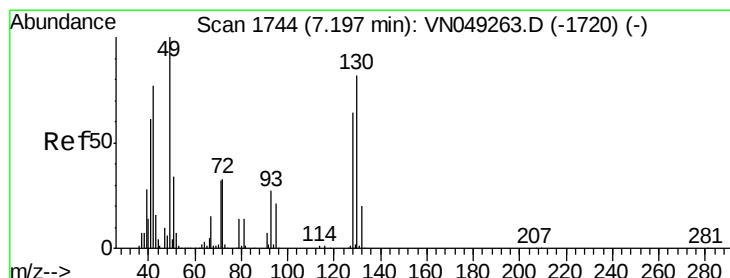
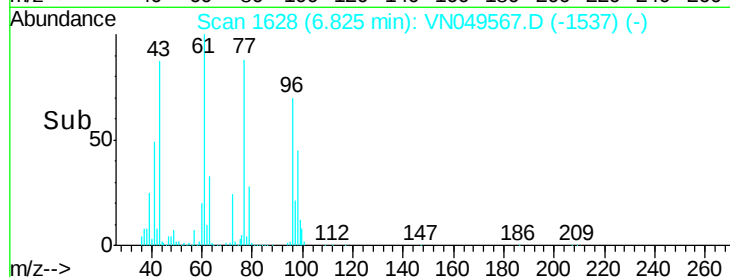
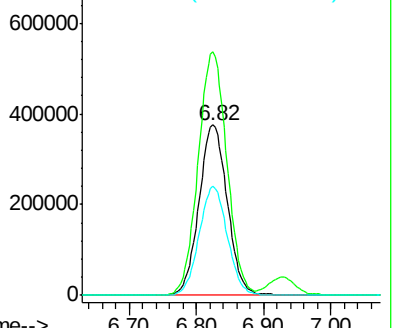
96 100

61 144.4 0.0 316.4

98 63.7 0.0 128.4



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



#28

Bromochloromethane

Concen: 46.75 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

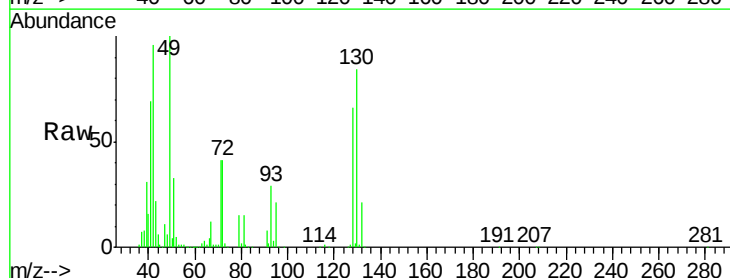
Tgt Ion: 49 Resp: 773260

Ion Ratio Lower Upper

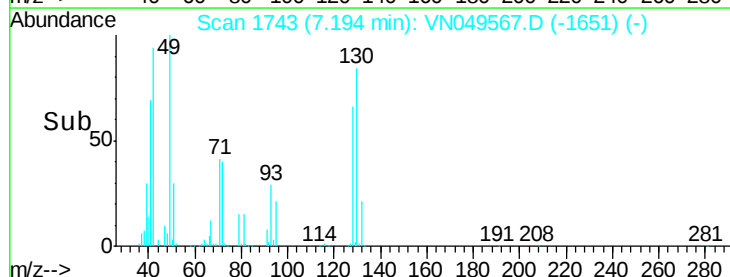
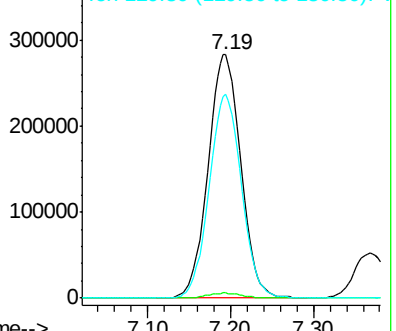
49 100

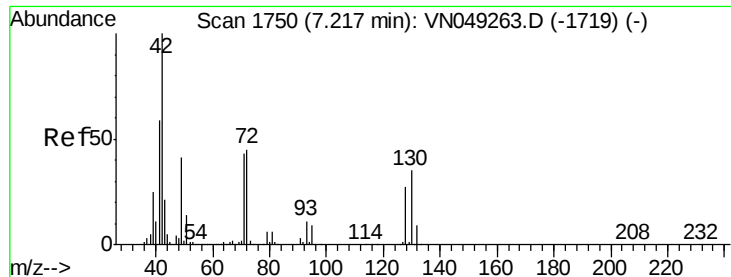
129 2.1 0.0 3.8

130 83.0 54.9 82.3#



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





#29

Tetrahydrofuran

Concen: 232.88 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

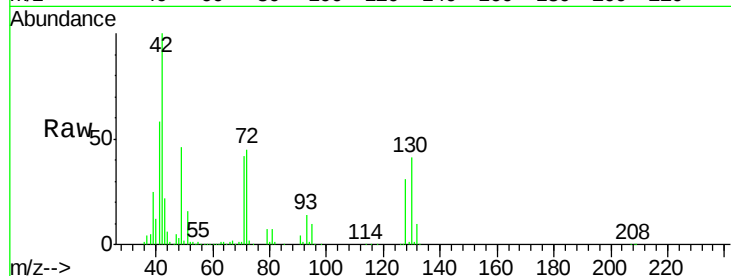
Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1045104

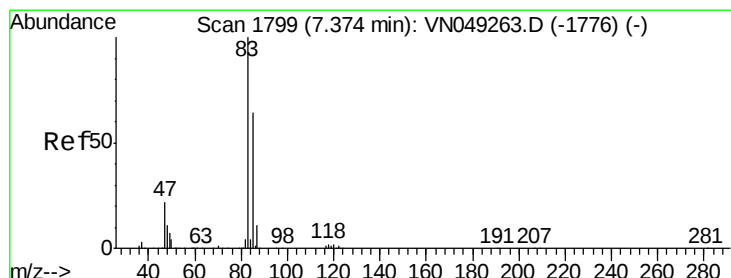
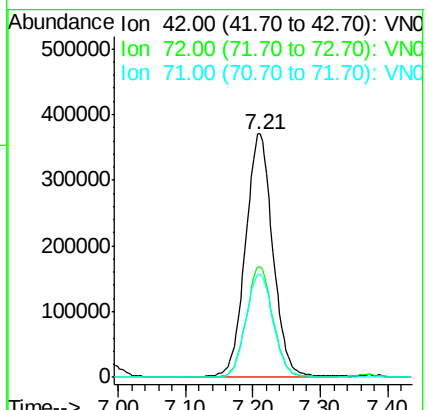
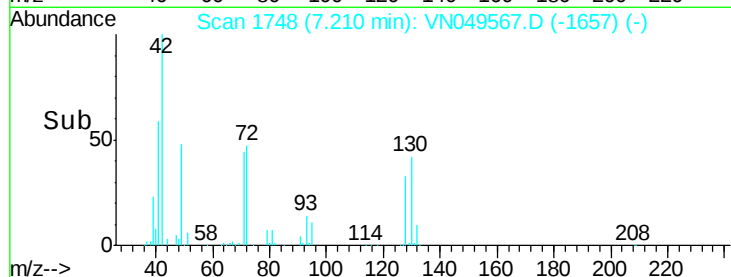
Ion	Ratio	Lower	Upper
42	100		
72	44.3	32.2	48.4
71	42.5	30.5	45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049263.D (-1719) (-)

Ion 72.00 (71.70 to 72.70): VN049263.D (-1719) (-)

Ion 71.00 (70.70 to 71.70): VN049263.D (-1719) (-)



#30

Chloroform

Concen: 48.86 ug/l

RT: 7.37 min Scan# 1797

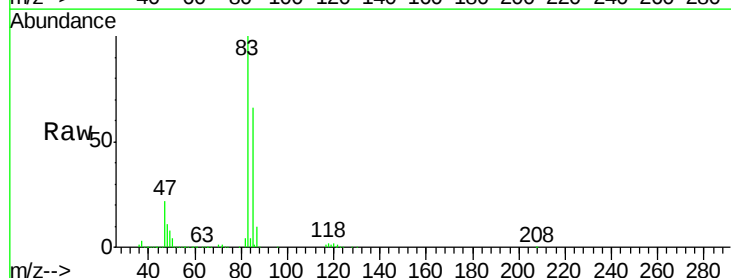
Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

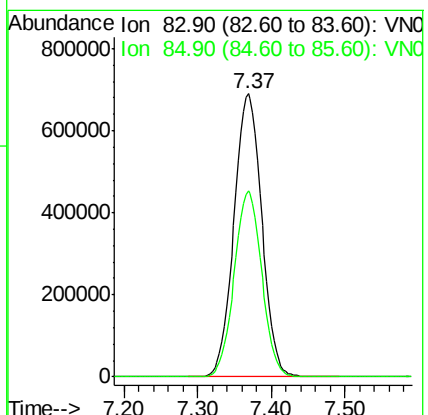
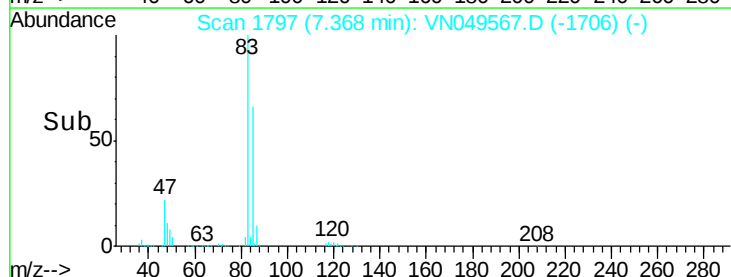
Tgt Ion: 83 Resp: 1814238

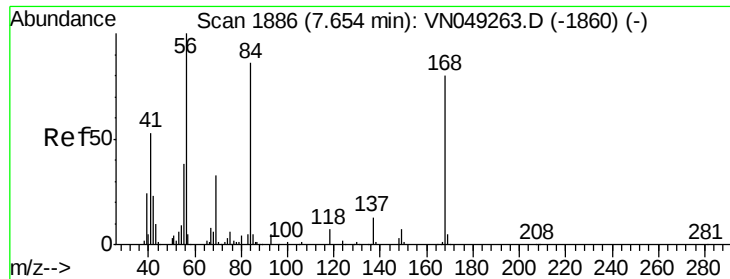
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-1776) (-)





#31

Cyclohexane

Concen: 53.42 ug/l

RT: 7.65 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampled :

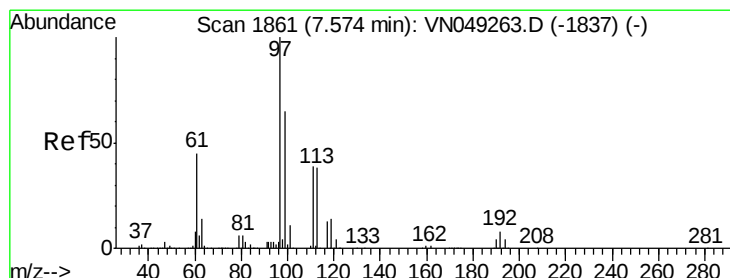
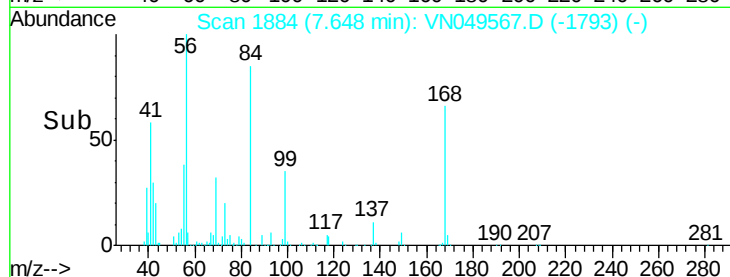
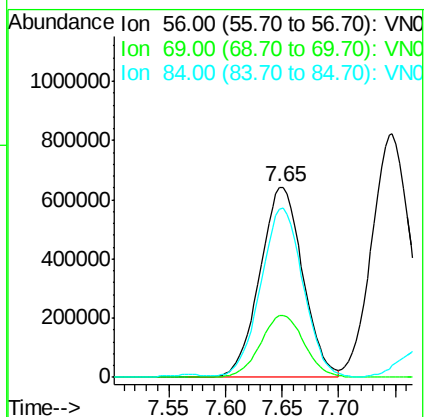
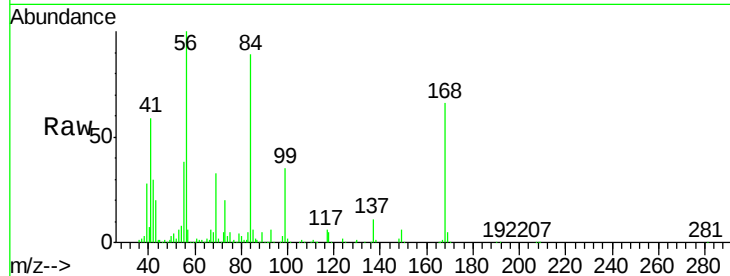
Tot Ion: 56 Resp: 1689213

Ion Ratio Lower Upper

56 100

69 32.5 25.0 37.4

84 87.1 64.6 96.8



#32

1,1,1-Trichloroethane

Concen: 50.38 ug/l

RT: 7.57 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

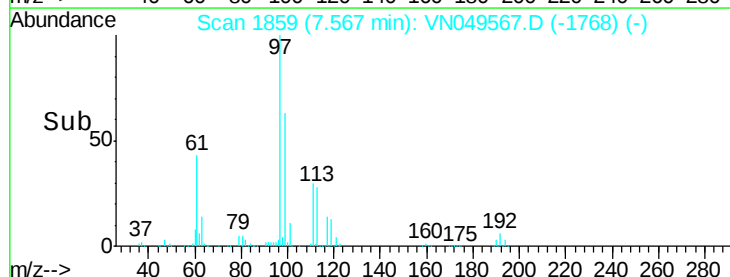
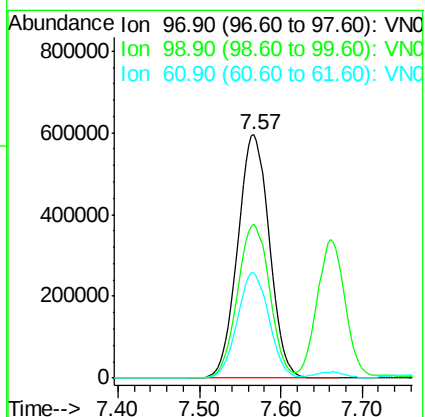
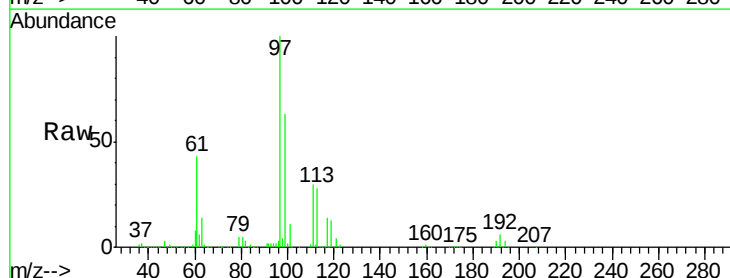
Tgt Ion: 97 Resp: 1596117

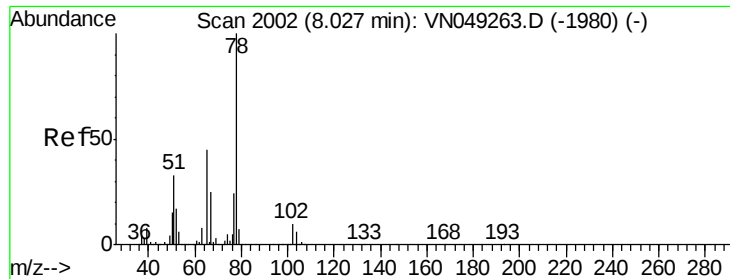
Ion Ratio Lower Upper

97 100

99 64.3 50.5 75.7

61 43.4 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 46.29 ug/l

RT: 8.02 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

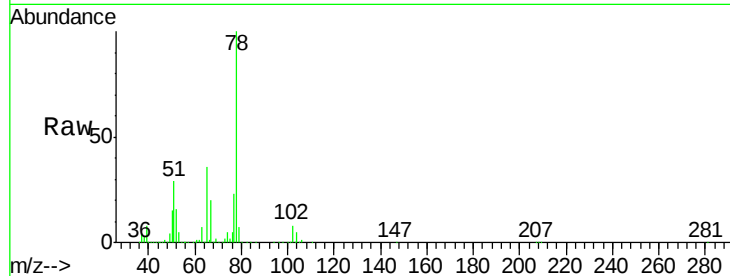
ClientSampleId :

Tot Ion: 65 Resp: 989877

Ion Ratio Lower Upper

65 100

67 54.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049263.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049263.D (-1980) (-)

8.02

400000

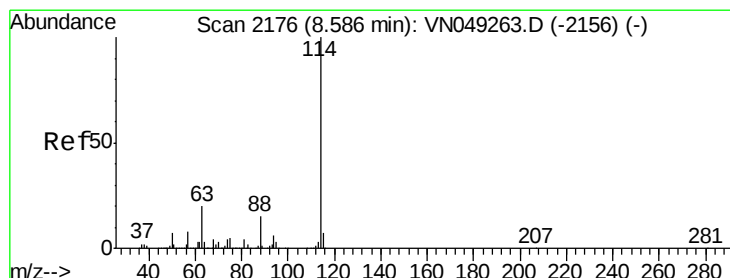
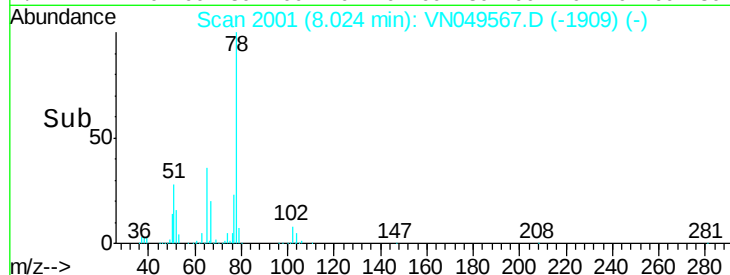
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

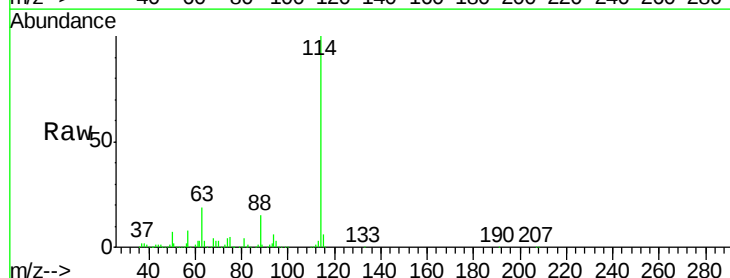
Tgt Ion: 114 Resp: 2374730

Ion Ratio Lower Upper

114 100

63 19.4 0.0 44.4

88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049263.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049263.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049263.D (-2156) (-)

8.58

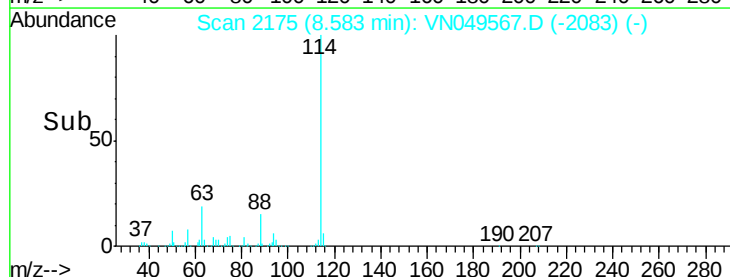
1500000

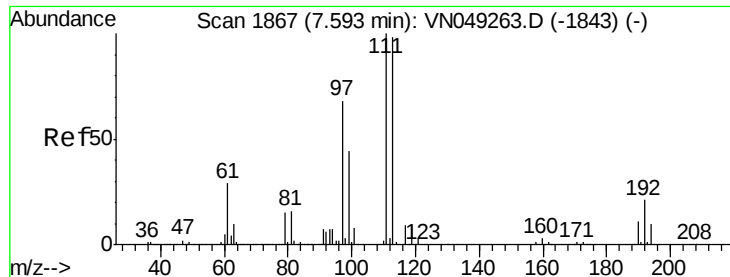
1000000

500000

0

Time--> 8.50 8.60 8.70

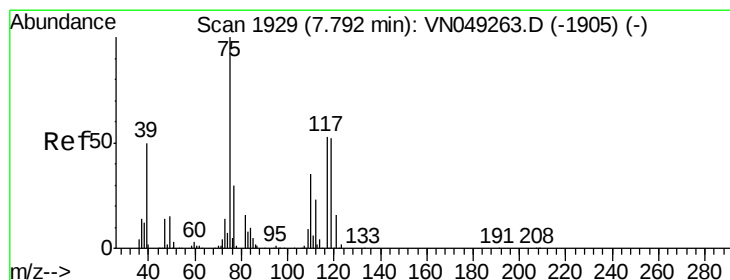
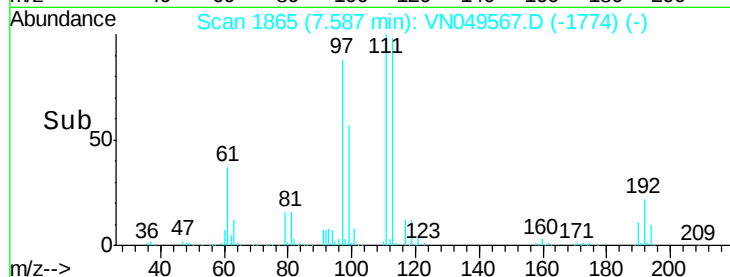
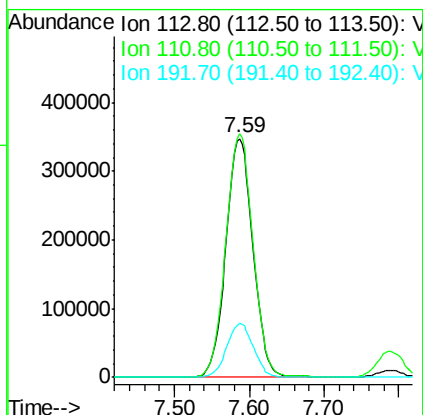
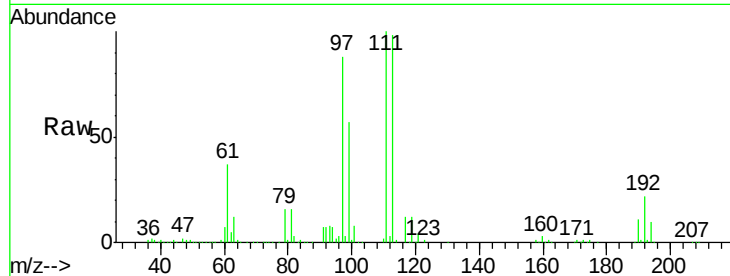




#35
 Dibromofluoromethane
 Concen: 45.48 ug/l
 RT: 7.59 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

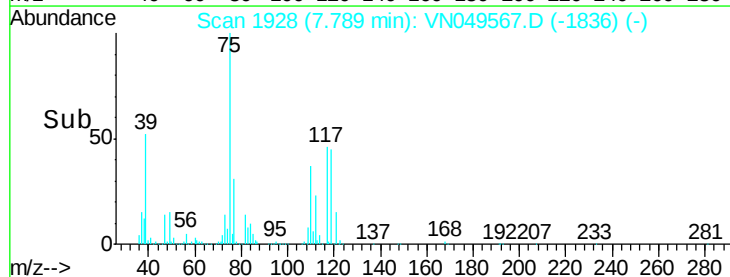
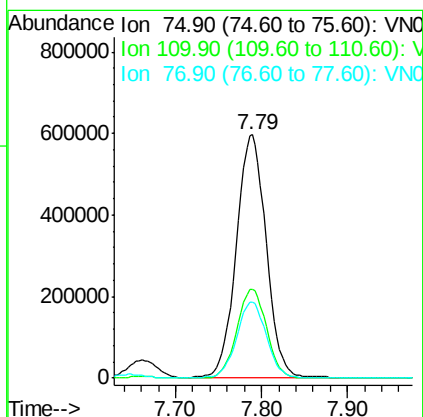
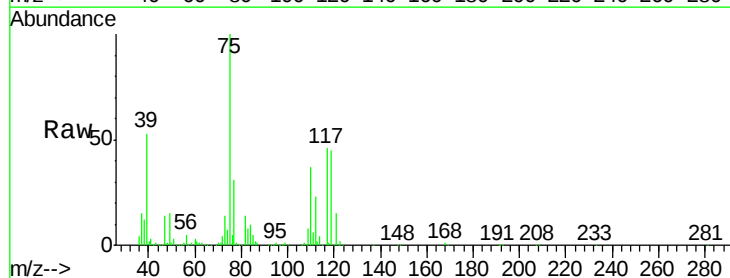
Instrument :
 MSVOA_N
 ClientSampleId :

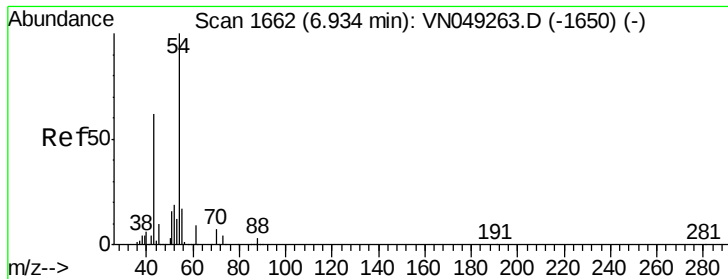
Tot Ion:113 Resp: 873743
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 22.3 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 52.66 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion: 75 Resp: 1433296
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.0 50.9
 77 31.6 24.4 36.6

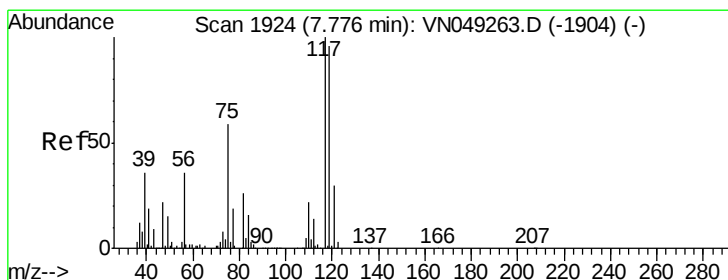
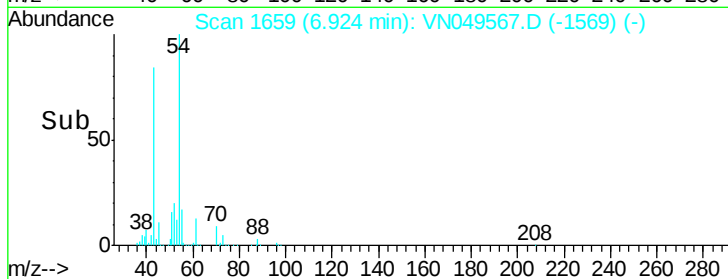
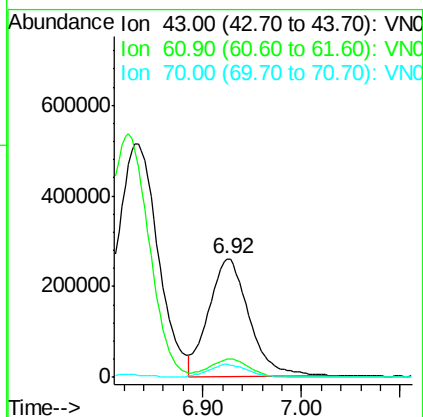
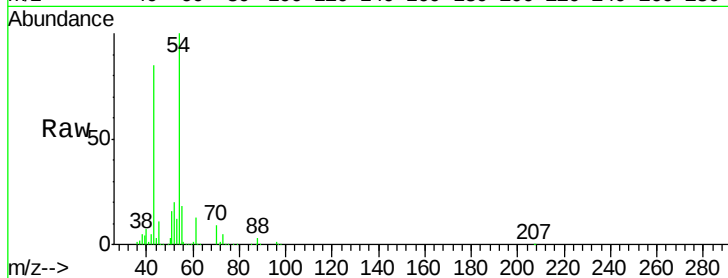




#37
Ethyl Acetate
Concen: 50.09 ug/l
RT: 6.92 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

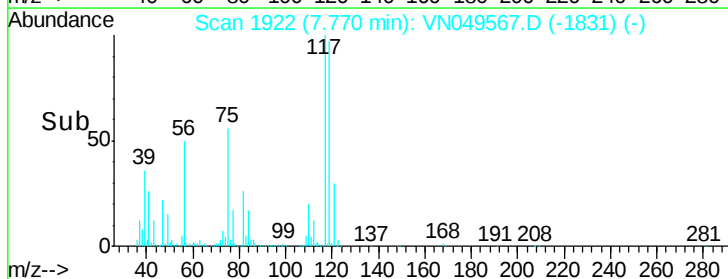
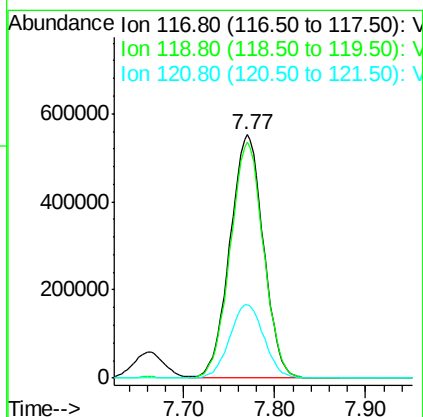
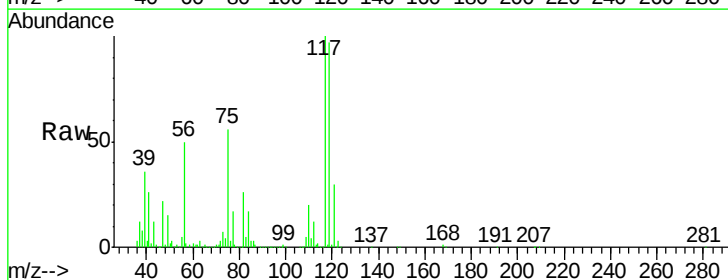
Instrument :
MSVOA_N
ClientSampled :

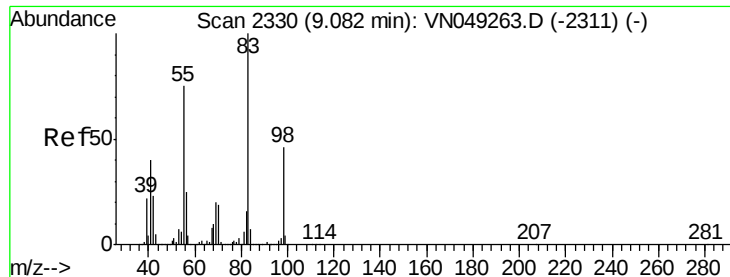
Tot Ion: 43 Resp: 741092
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.4
70 10.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 50.01 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion: 117 Resp: 1409043
Ion Ratio Lower Upper
117 100
119 97.0 75.6 113.4
121 30.3 24.7 37.1

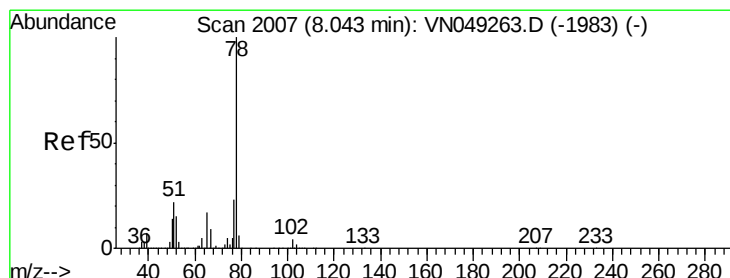
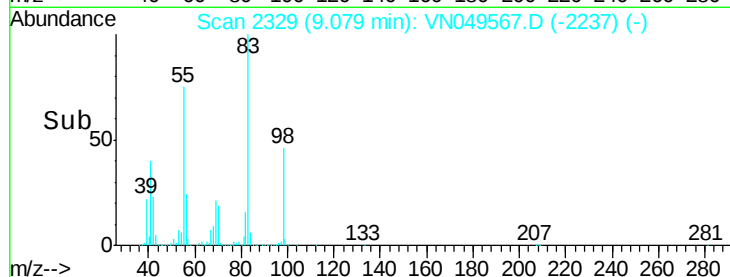
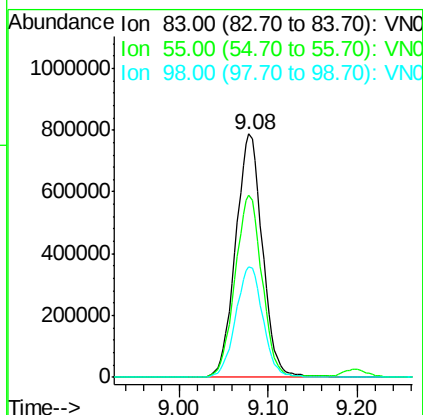
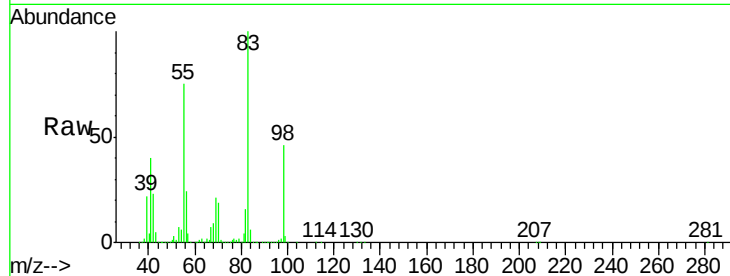




#39
Methvlcvclohexane
Concen: 56.27 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

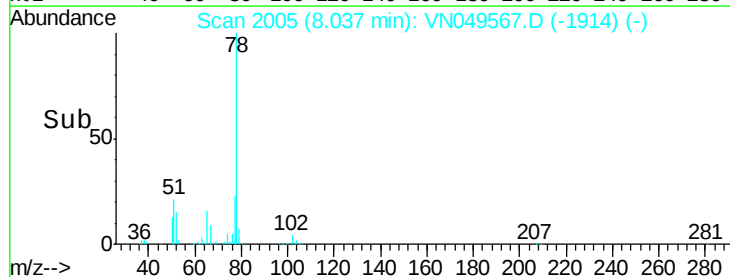
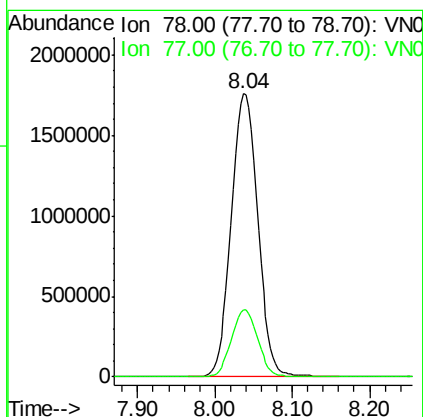
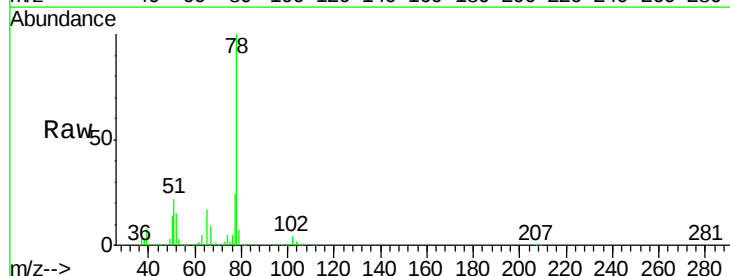
Instrument :
MSVOA_N
ClientSampled :

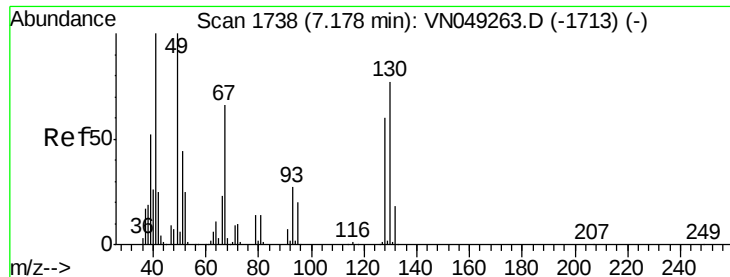
Tot Ion: 83 Resp: 1644027
Ion Ratio Lower Upper
83 100
55 75.0 65.1 97.7
98 45.6 36.5 54.7



#40
Benzene
Concen: 50.19 ug/l
RT: 8.04 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion: 78 Resp: 4188232
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

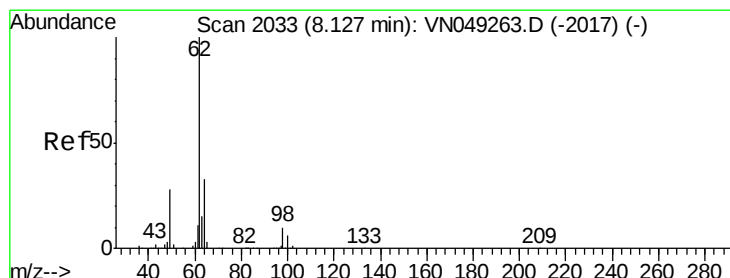
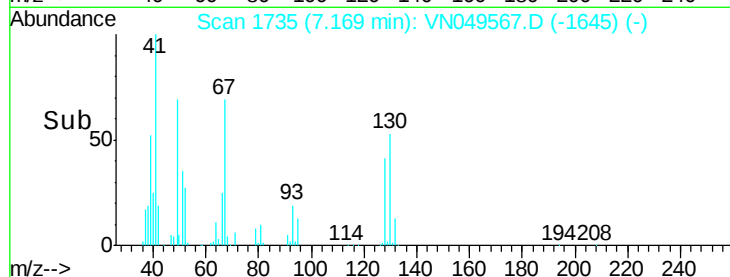
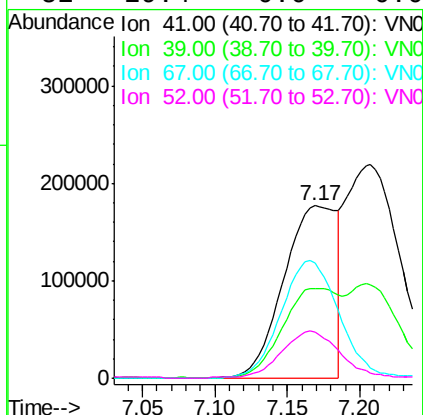
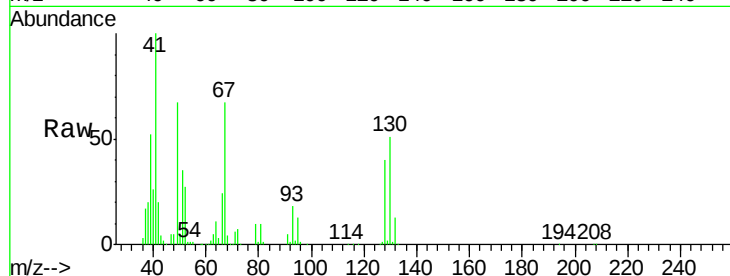




#41
Methacrylonitrile
Concen: 55.87 ug/l
RT: 7.17 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

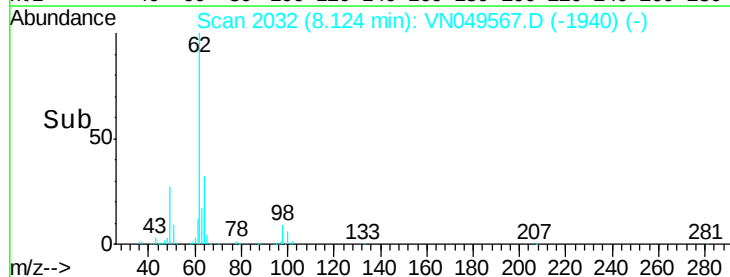
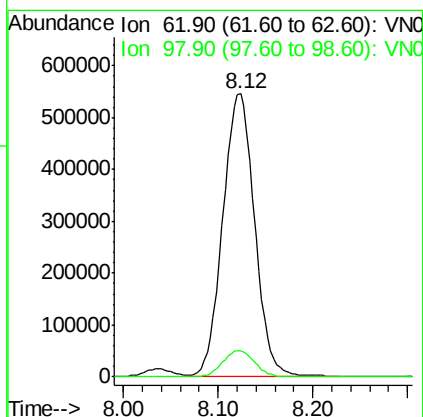
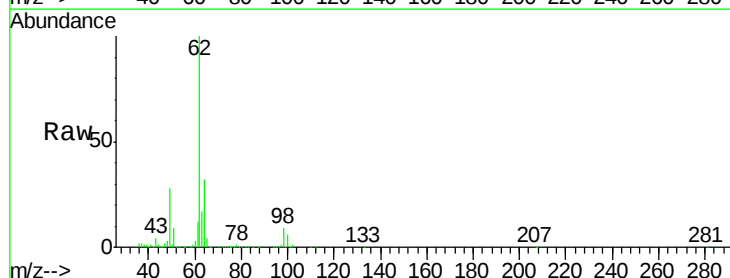
Instrument :
MSVOA_N
ClientSampleId :

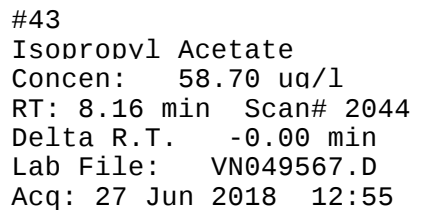
Tot Ion: 41 Resp: 446897
Ion Ratio Lower Upper
41 100
39 56.4 0.0 0.0#
67 75.8 0.0 0.0#
52 29.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 49.35 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

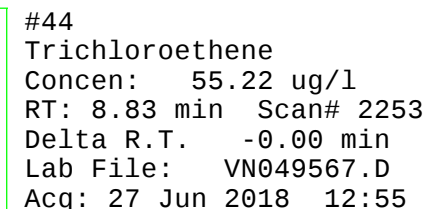
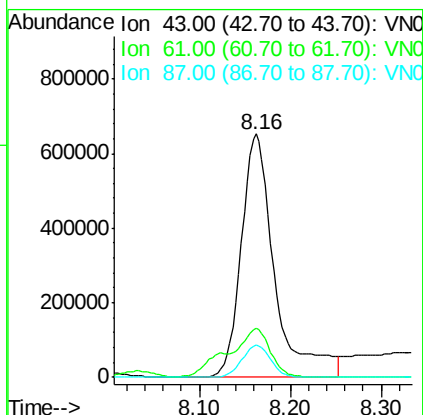
Tgt Ion: 62 Resp: 1272293
Ion Ratio Lower Upper
62 100
98 9.4 0.0 16.2



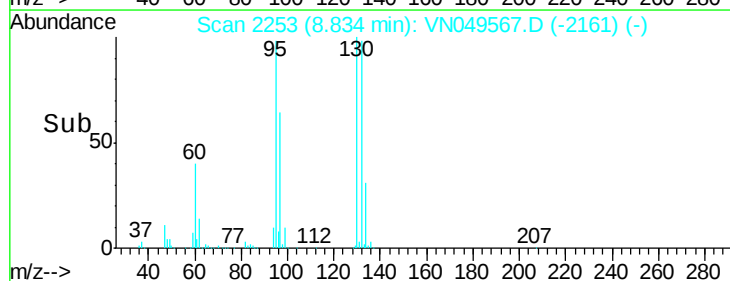
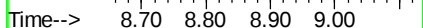
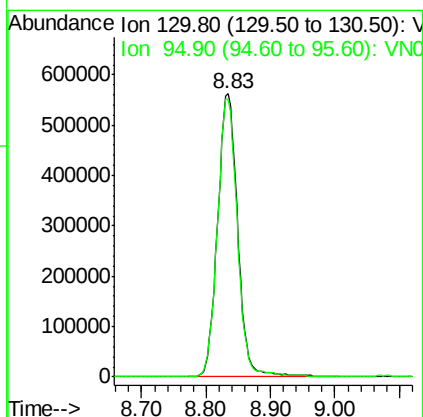


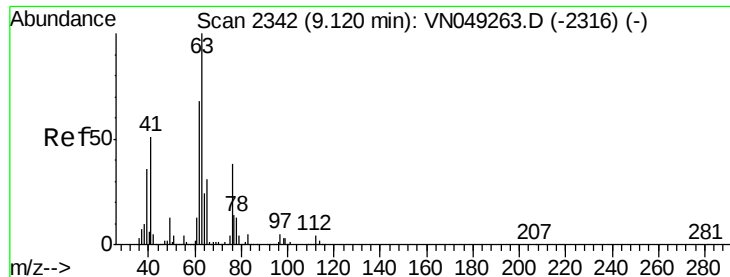
Instrument :
MSVOA_N
ClientSampleId :

Tot	Ion: 43	Resp: 1659346	
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.2	21.4
87	11.4	9.4	14.0



Tgt	Ion:130	Resp:	1216656
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	208.6





#45

1,2-Dichloropropane

Concen: 50.18 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

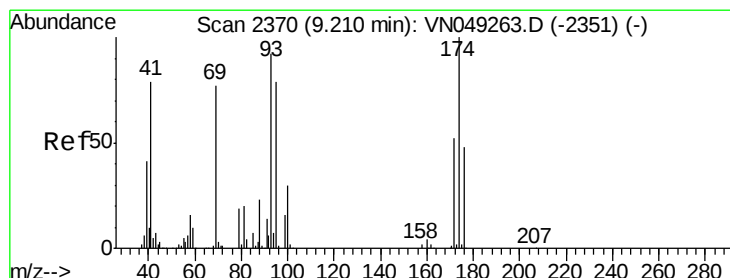
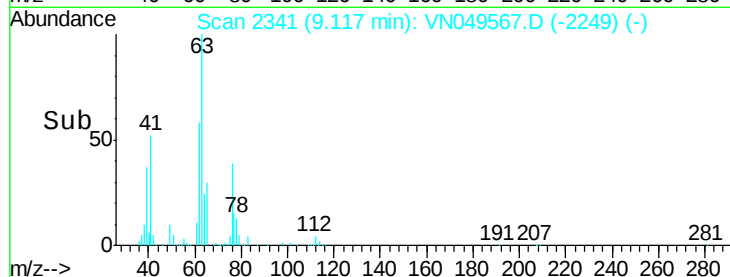
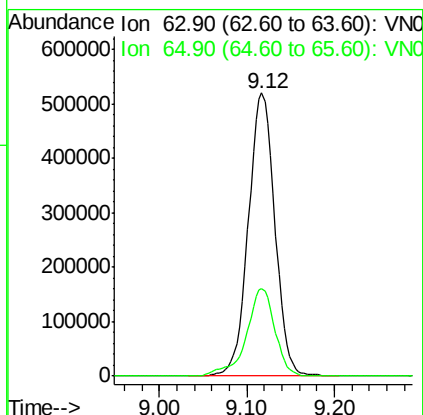
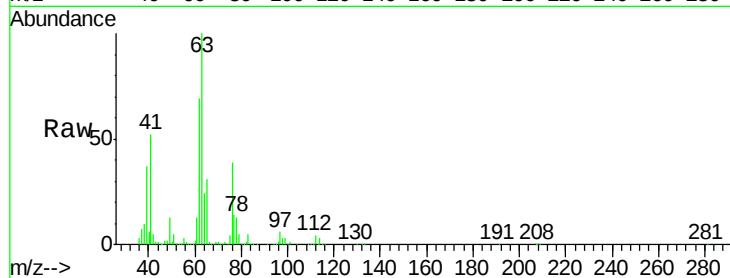
ClientSampled :

Tot Ion: 63 Resp: 1096333

Ion Ratio Lower Upper

63 100

65 31.0 24.8 37.2



#46

Dibromomethane

Concen: 49.08 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

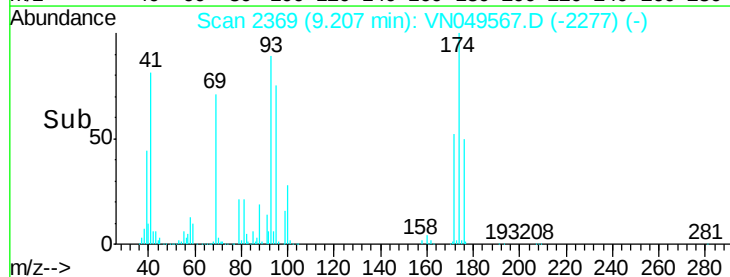
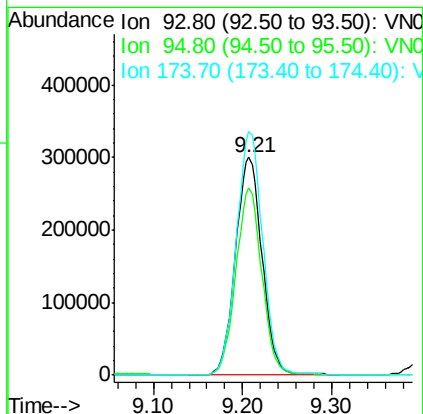
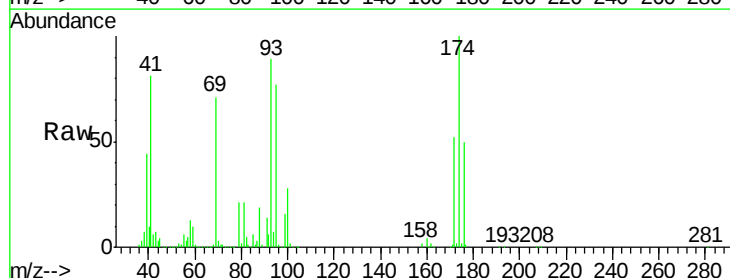
Tgt Ion: 93 Resp: 621724

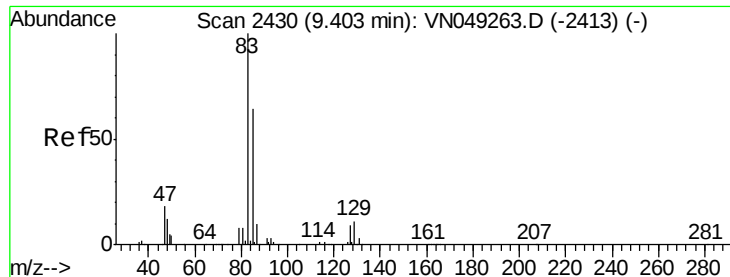
Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

174 110.7 75.6 113.4





#47

Bromodichloromethane

Concen: 49.70 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :
MSVOA_N
ClientSampled :

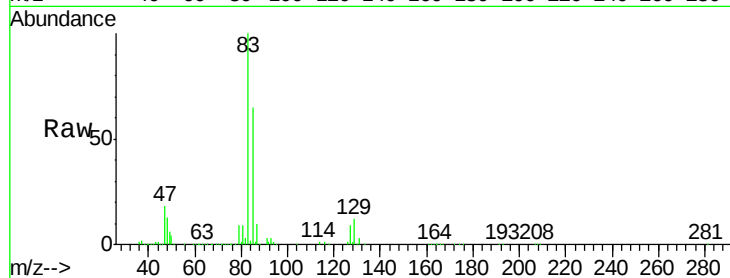
Tot Ion: 83 Resp: 1383535

Ion Ratio Lower Upper

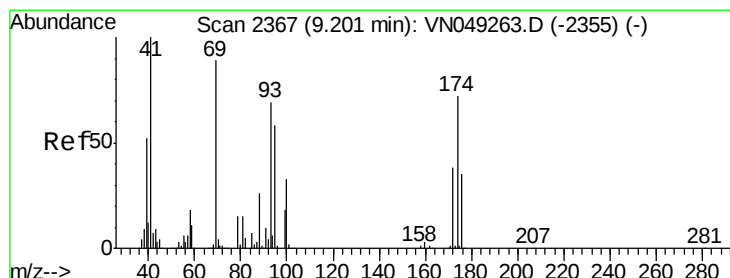
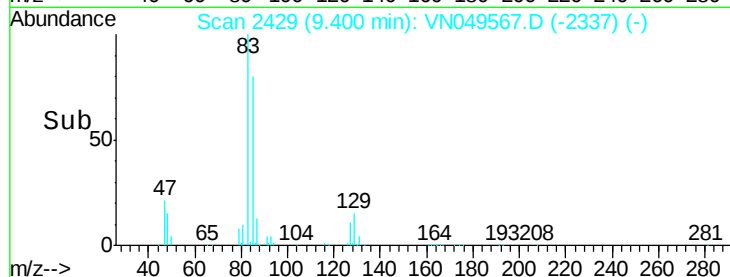
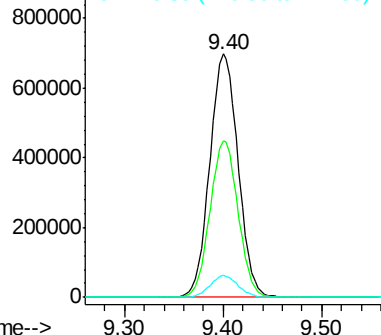
83 100

85 64.5 49.4 74.0

127 8.9 6.3 9.5



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): VN0



#48

Methyl methacrylate

Concen: 52.51 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

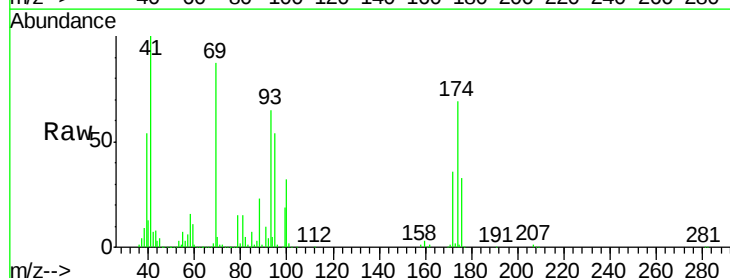
Tgt Ion: 41 Resp: 699102

Ion Ratio Lower Upper

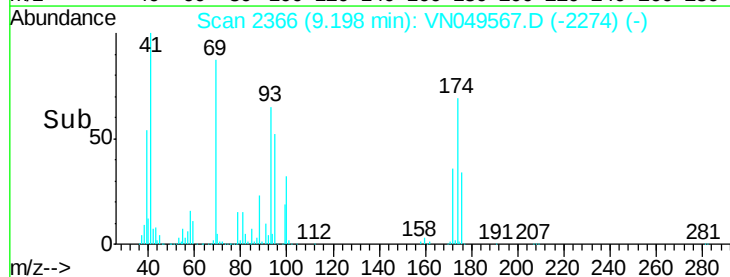
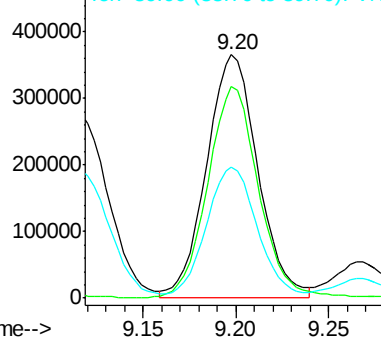
41 100

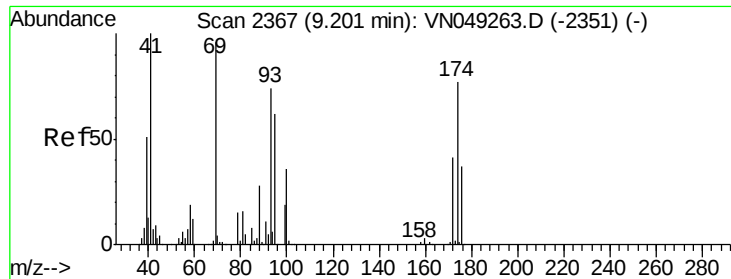
69 87.6 62.0 93.0

39 54.3 50.6 75.8



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

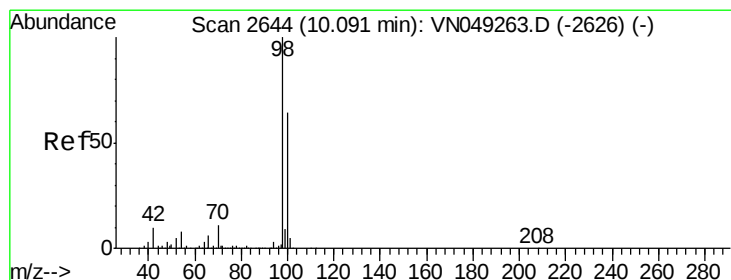
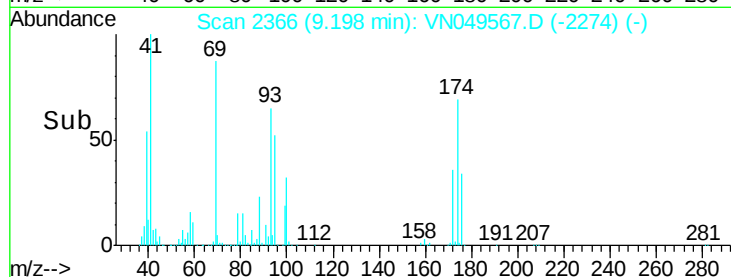
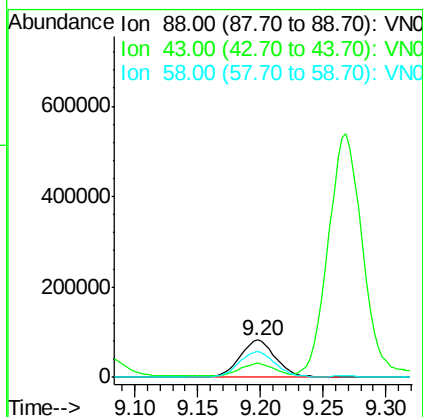
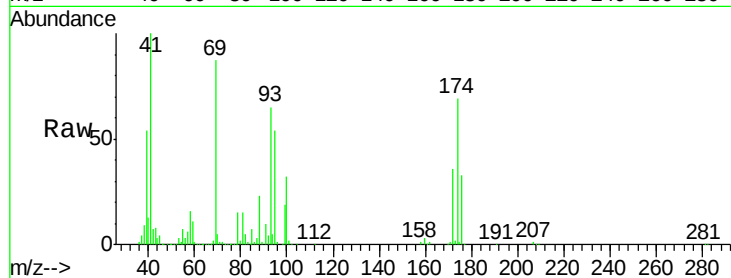




#49
1,4-Dioxane
Concen: 904.26 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

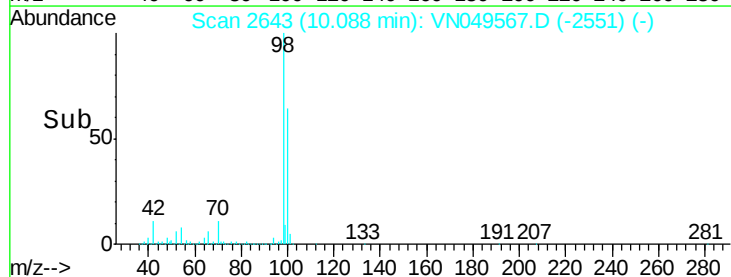
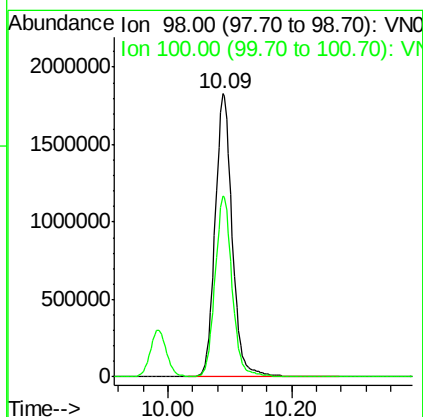
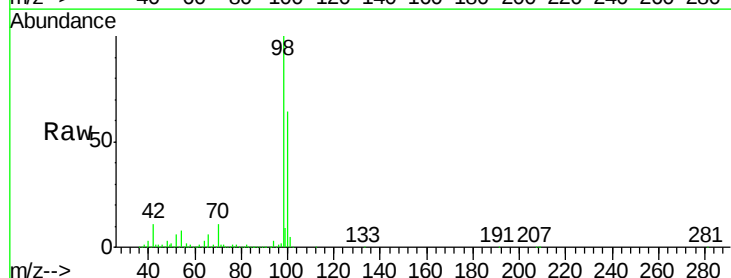
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 166149
Ion Ratio Lower Upper
88 100
43 32.7 30.9 46.3
58 69.5 58.9 88.3



#50
Toluene-d8
Concen: 47.80 ug/l
RT: 10.09 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion: 98 Resp: 3496987
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 240.88 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

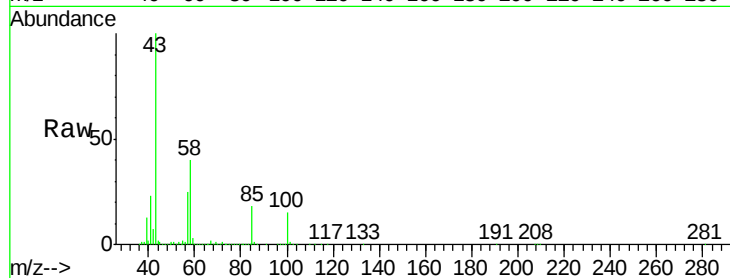
ClientSampled :

Tot Ion: 43 Resp: 3568953

Ion Ratio Lower Upper

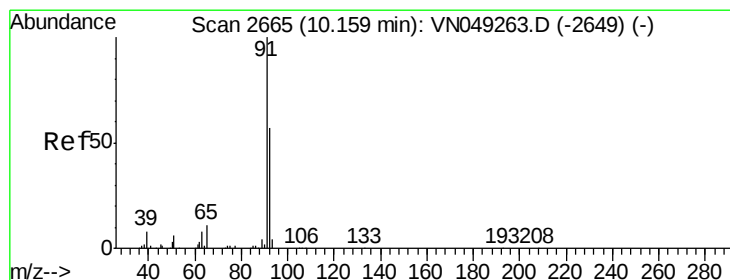
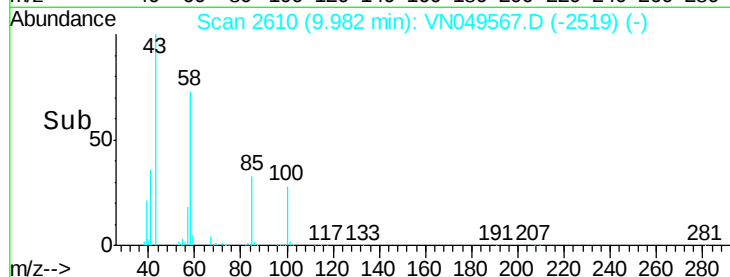
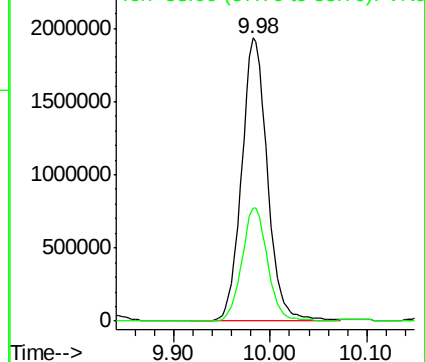
43 100

58 40.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.28 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049567.D

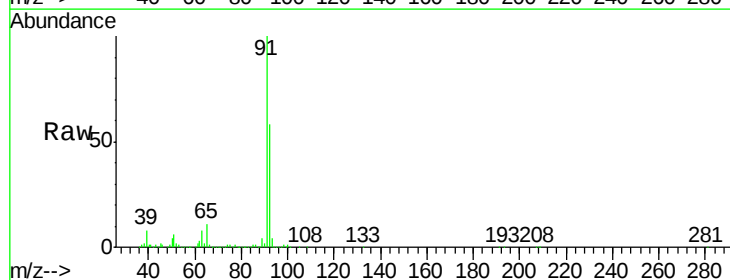
Acq: 27 Jun 2018 12:55

Tgt Ion: 92 Resp: 2609512

Ion Ratio Lower Upper

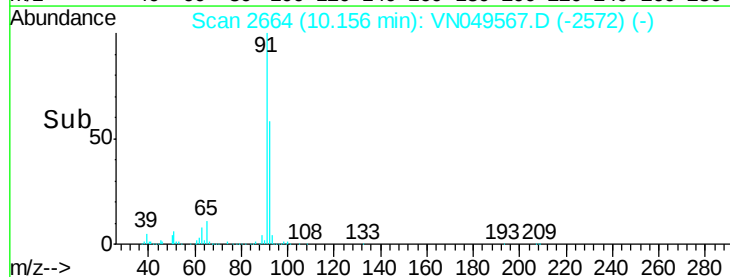
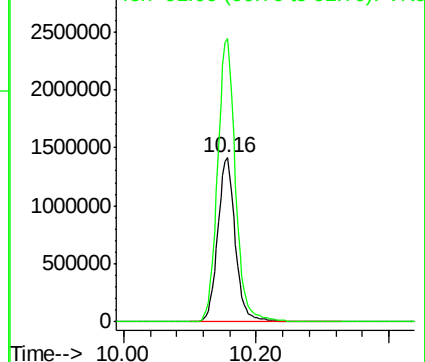
92 100

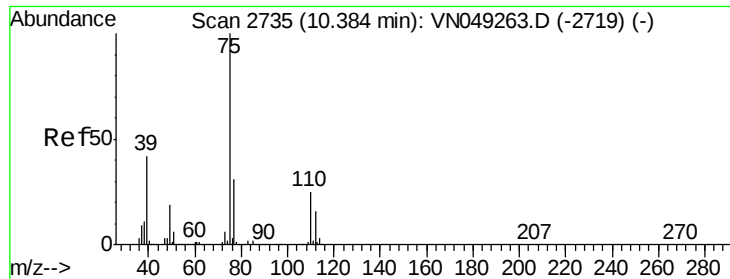
91 175.2 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.15 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

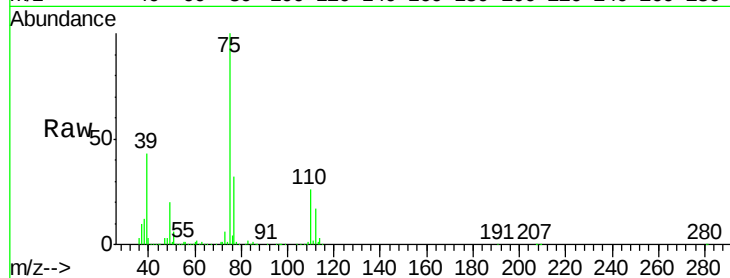
ClientSampleId :

Tot Ion: 75 Resp: 1362183

Ion Ratio Lower Upper

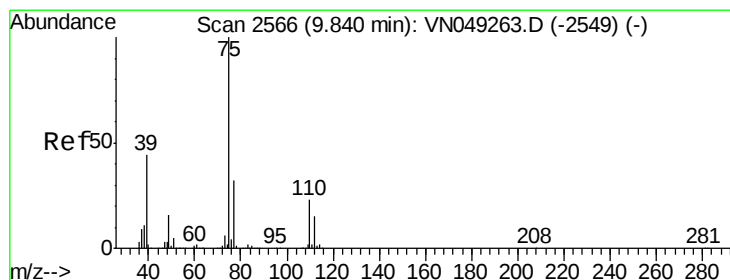
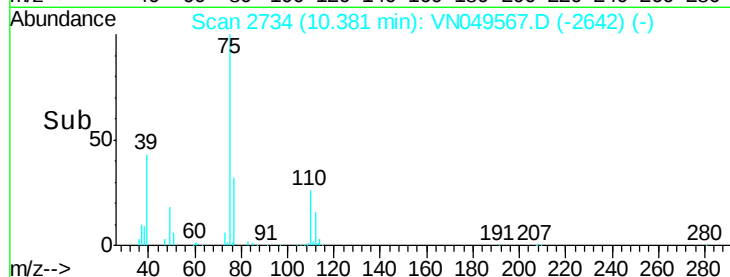
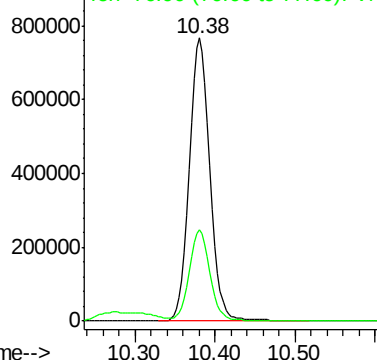
75 100

77 32.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 52.34 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

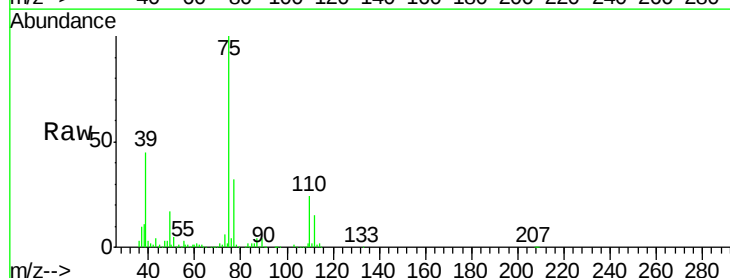
Tgt Ion: 75 Resp: 1645939

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

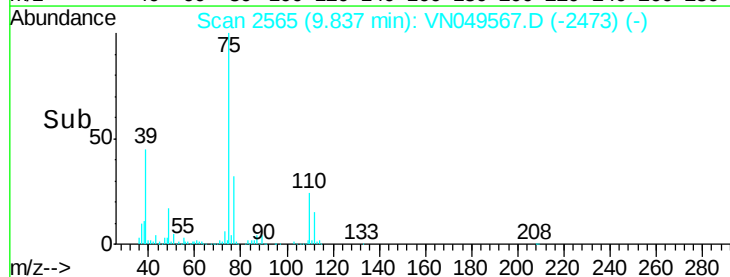
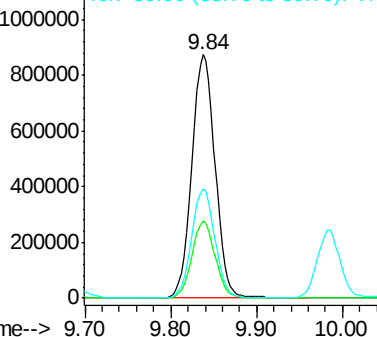
39 44.9 45.1 67.7#

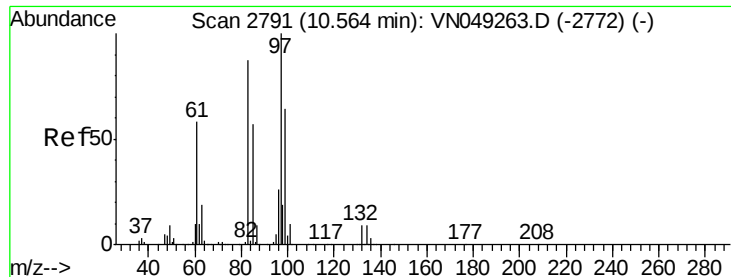


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

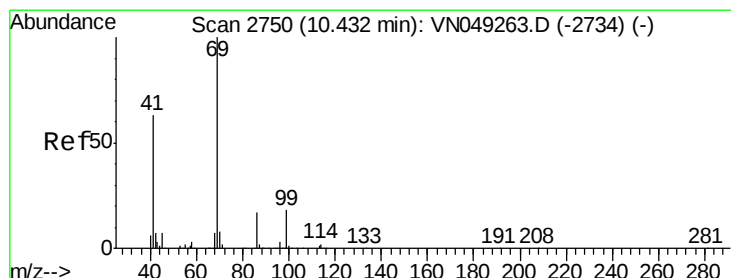
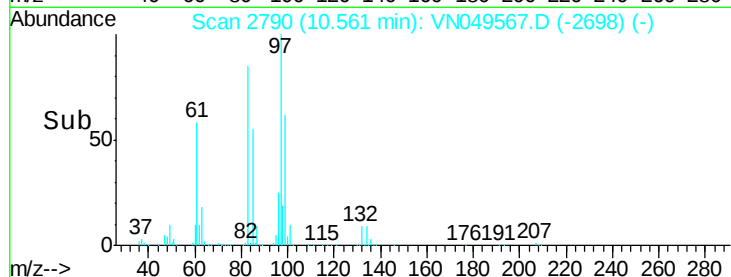
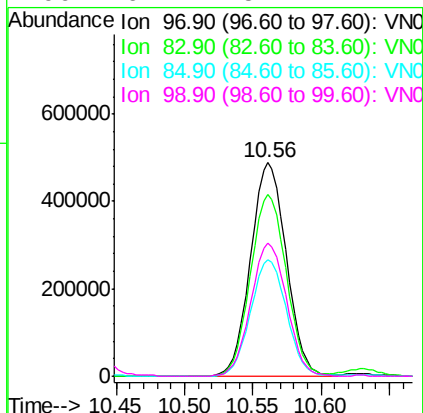
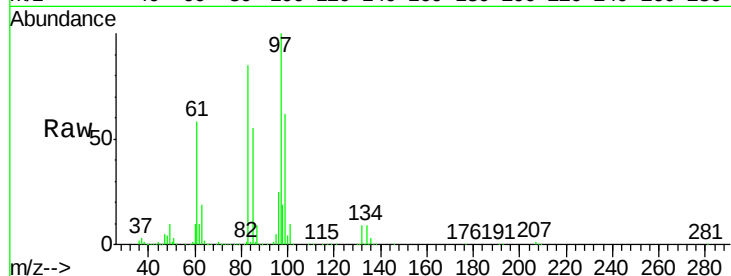




#55
 1,1,2-Trichloroethane
 Concen: 48.61 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

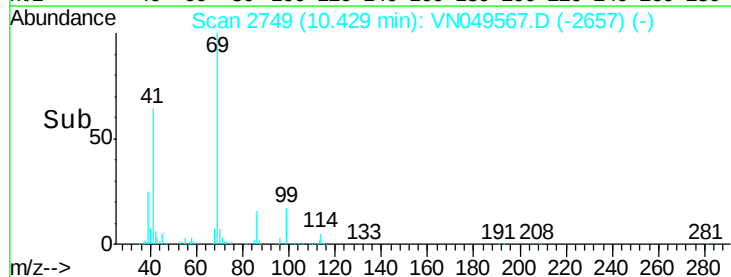
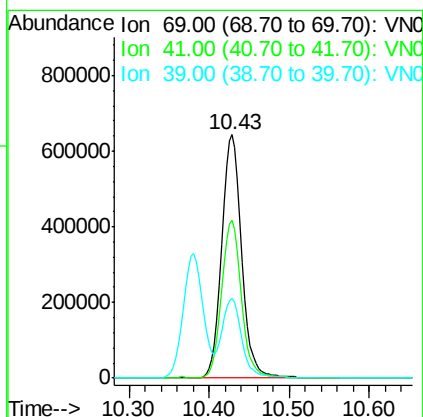
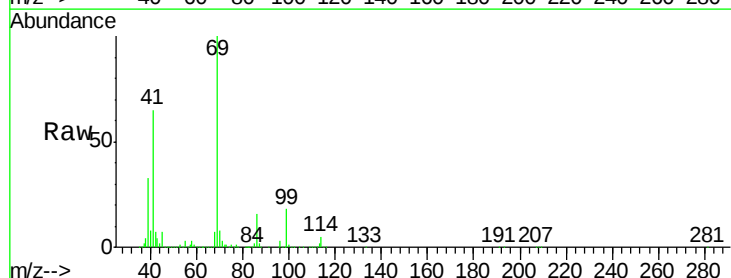
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	887547
Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.5	107.3
85	54.8	47.0	70.4
99	62.2	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 52.90 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion	69	Resp	1114269
Ion	Ratio	Lower	Upper
69	100		
41	63.4	58.4	87.6
39	32.5	35.5	53.3#

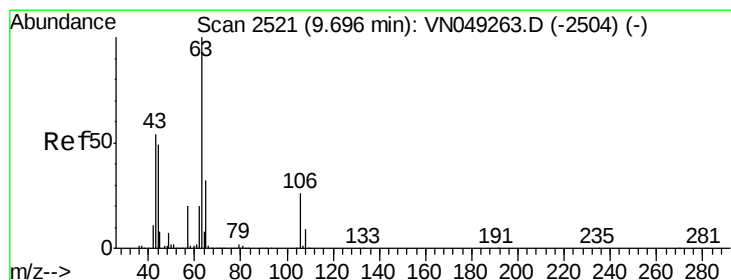
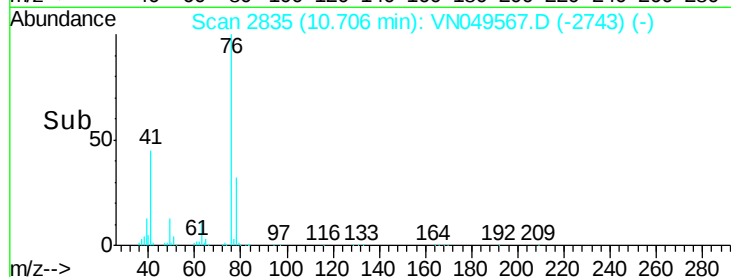
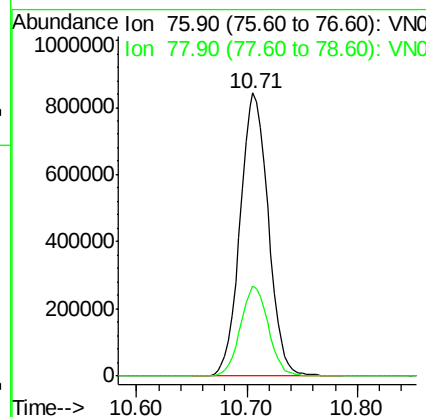
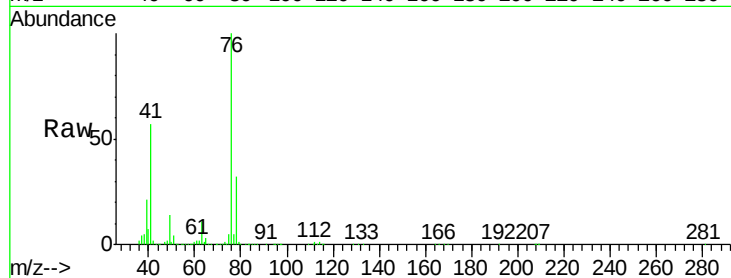




#57
 1,3-Dichloropropane
 Concen: 49.26 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

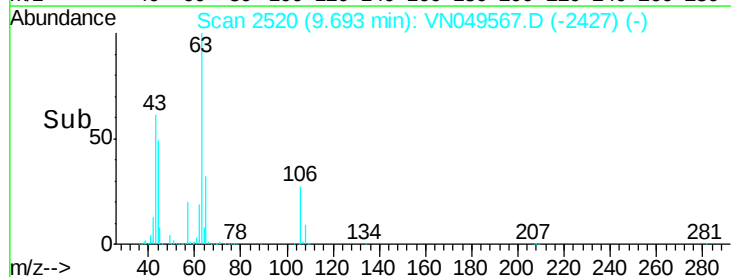
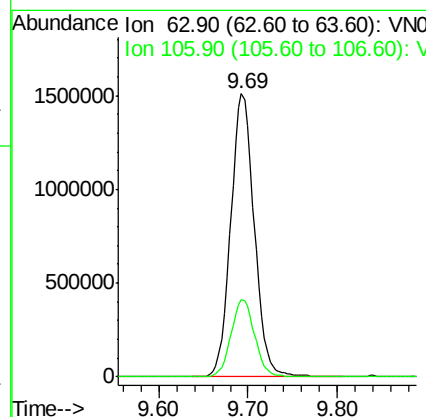
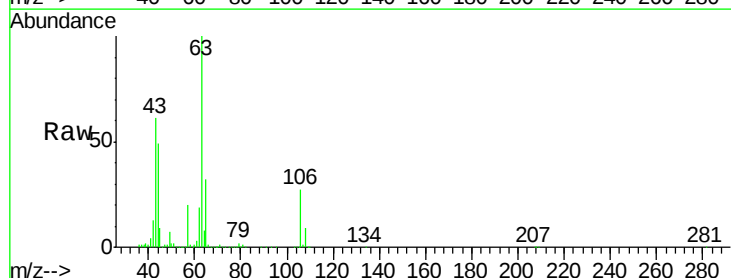
Instrument :
 MSVOA_N
 ClientSampleId :

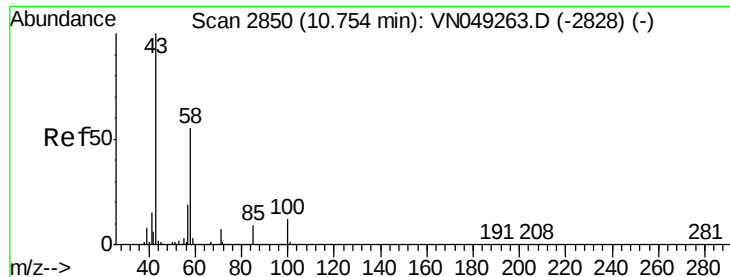
Tot Ion: 76 Resp: 1489913
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 360.04 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion: 63 Resp: 2761389
 Ion Ratio Lower Upper
 63 100
 106 27.5 19.4 29.2

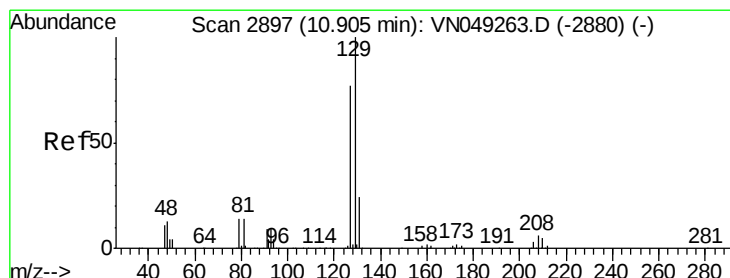
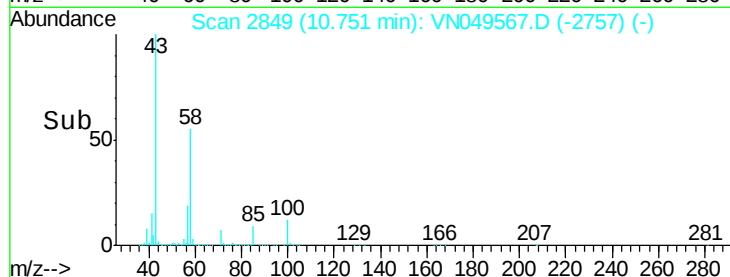
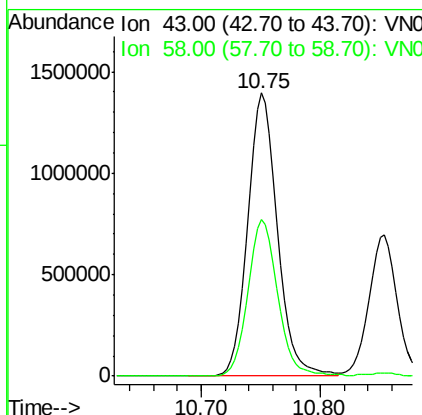
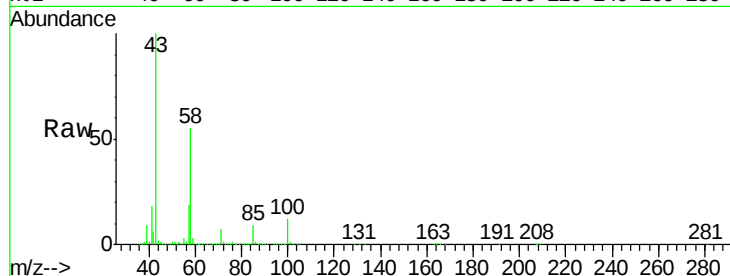




#59
2-Hexanone
Concen: 250.86 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

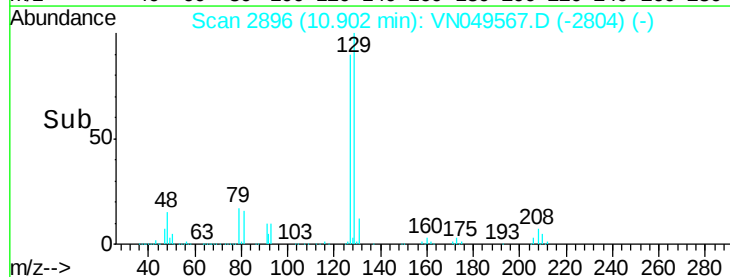
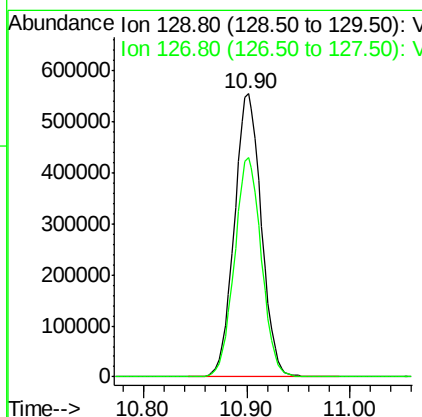
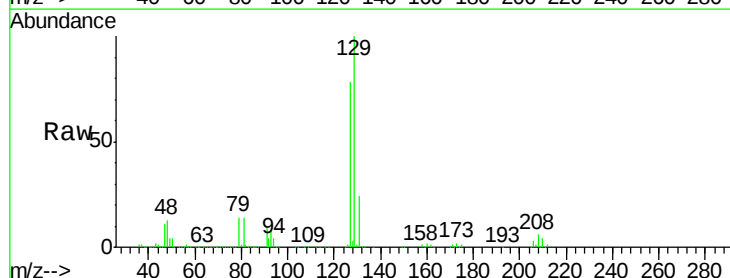
Instrument :
MSVOA_N
ClientSampleId :

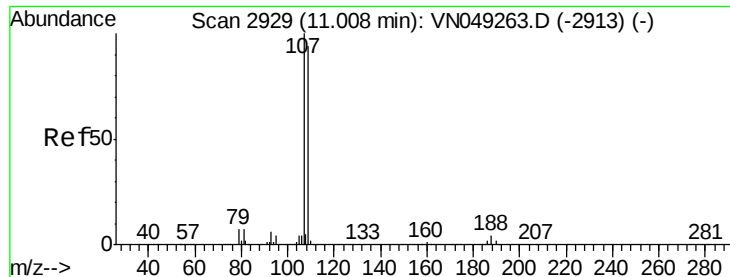
Tot Ion: 43 Resp: 2396290
Ion Ratio Lower Upper
43 100
58 55.9 25.2 75.6



#60
Dibromochloromethane
Concen: 49.77 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion: 129 Resp: 1014161
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2

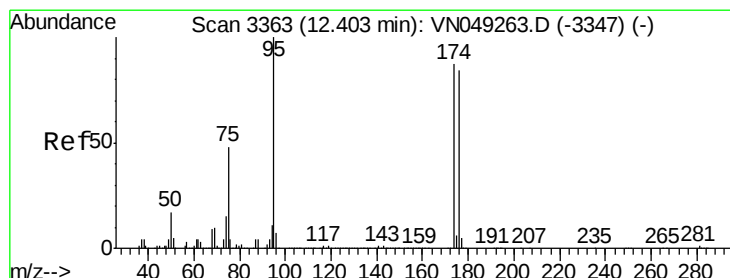
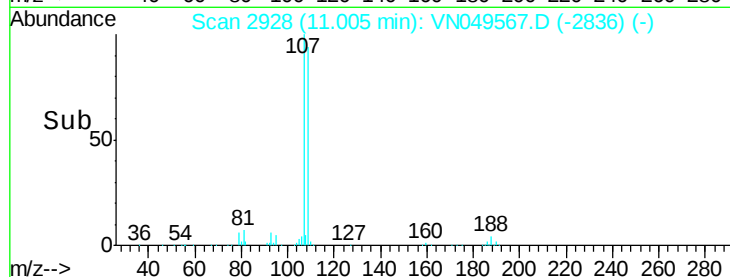
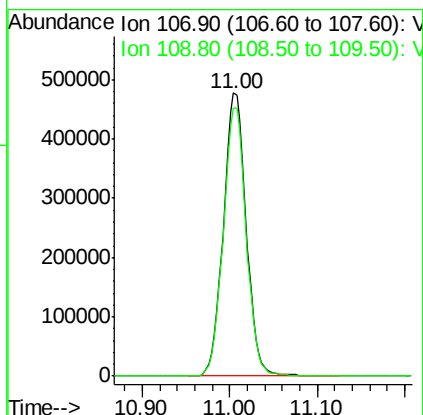
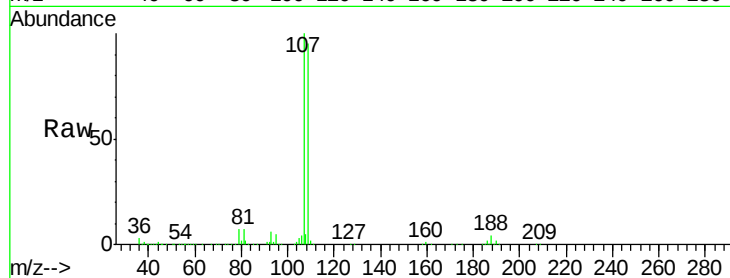




#61
 1,2-Dibromoethane
 Concen: 50.97 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

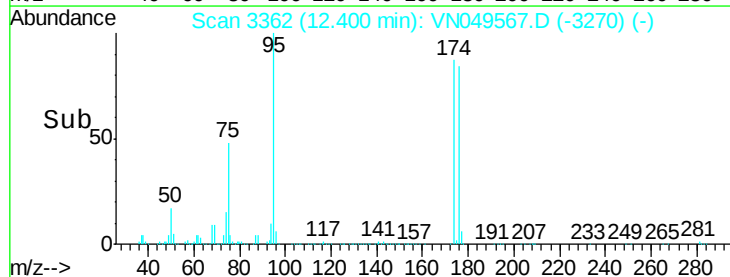
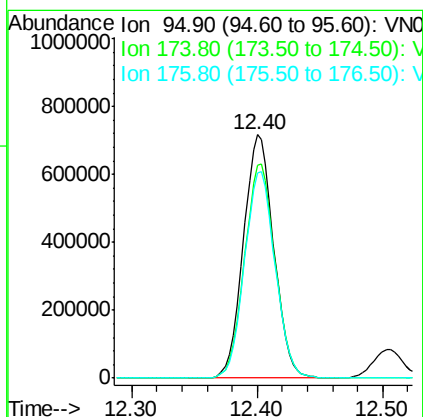
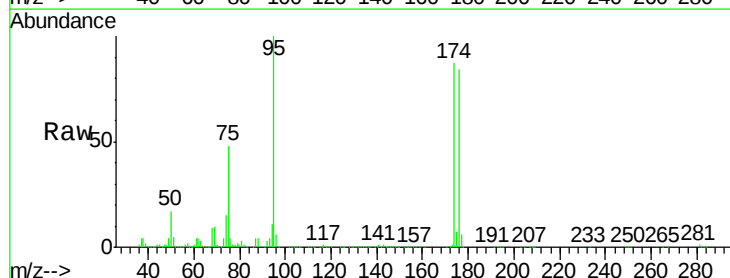
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 864909
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.84 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion: 95 Resp: 1205596
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 165.6
 176 85.8 0.0 157.4

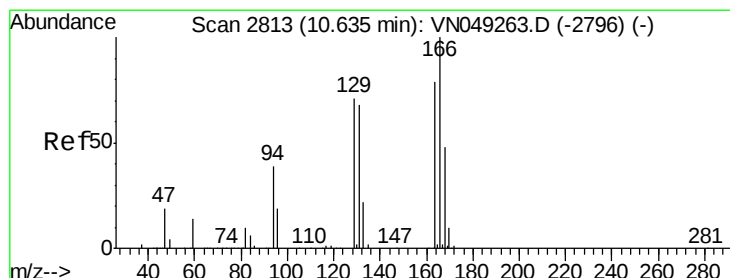
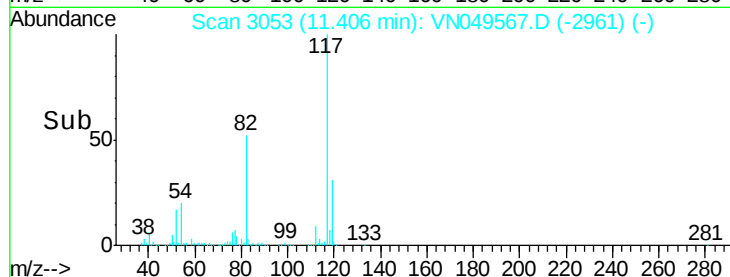
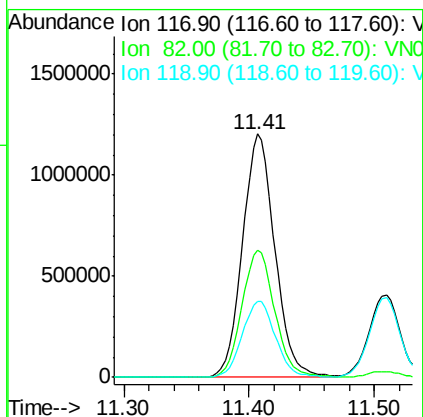
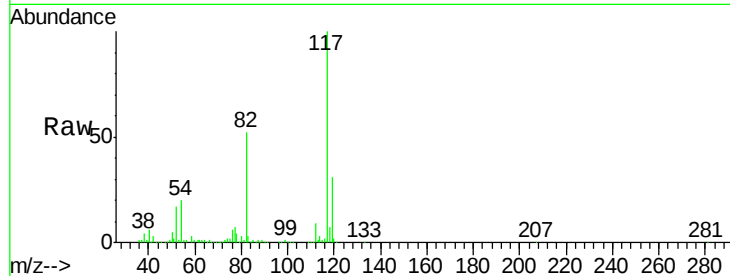




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

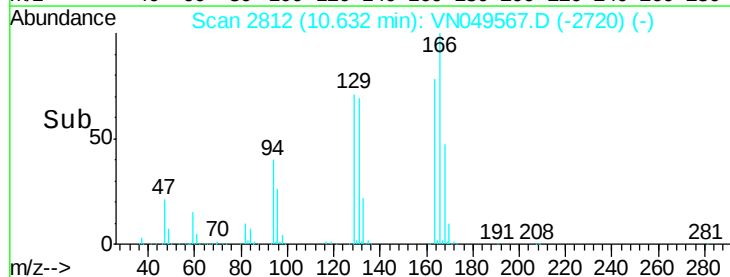
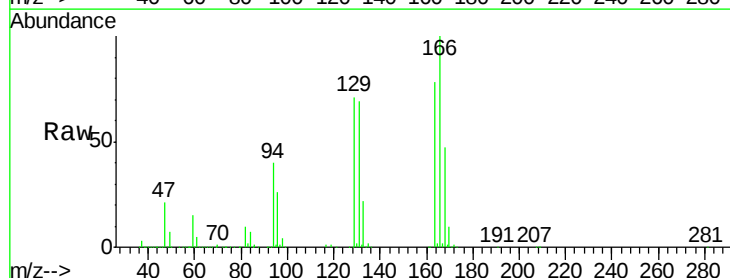
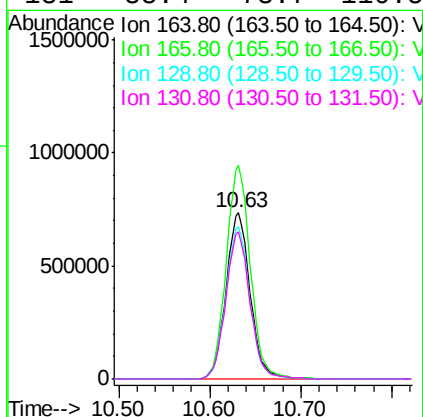
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2165062
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 60.99 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion:164 Resp: 1353078
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.2
129 91.8 74.1 111.1
131 88.4 73.7 110.5





#65

Chlorobenzene

Concen: 50.99 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

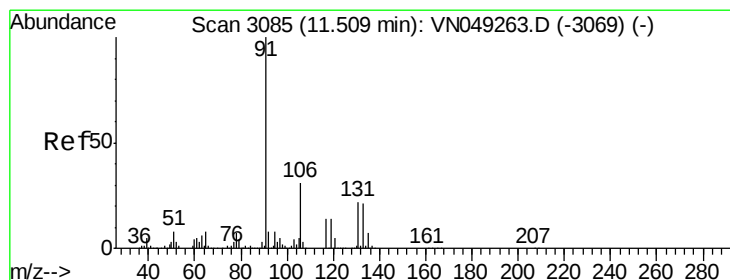
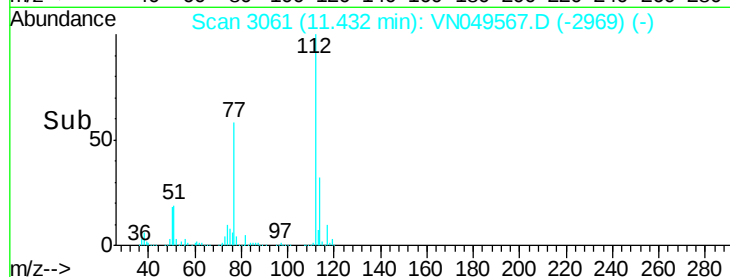
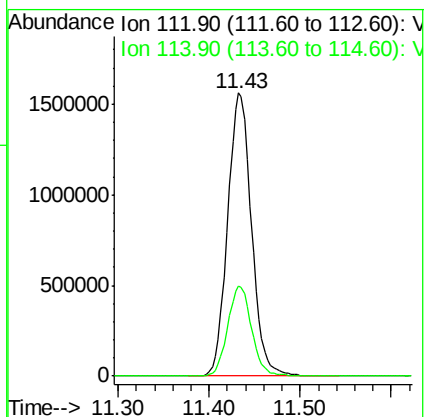
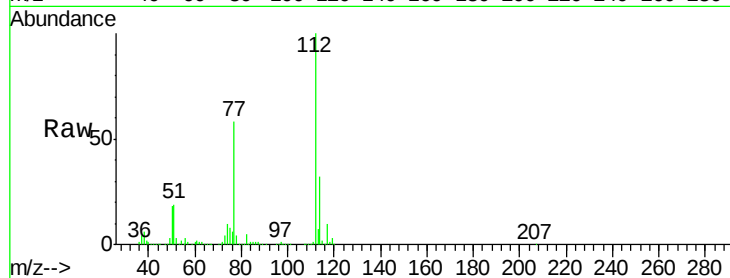
ClientSampleId :

Tot Ion:112 Resp: 2844095

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 48.95 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

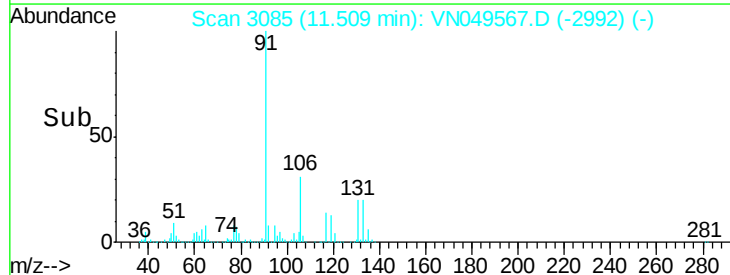
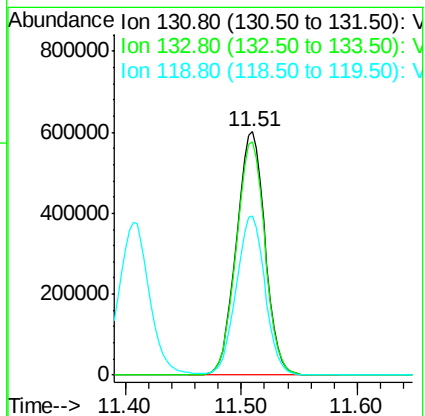
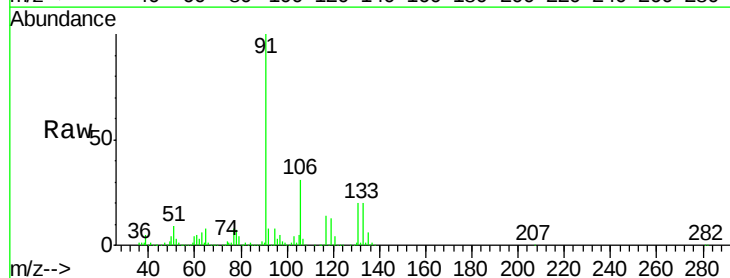
Tgt Ion:131 Resp: 1027487

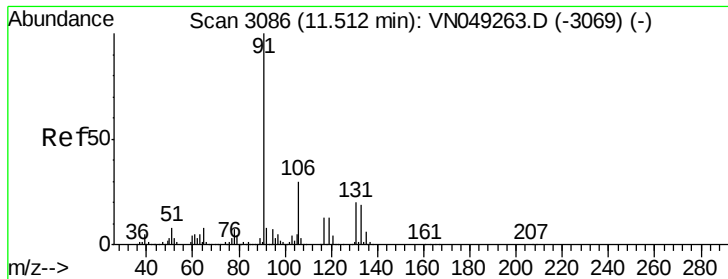
Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.2

119 65.8 33.6 100.8





#67

Ethyl Benzene

Concen: 53.72 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

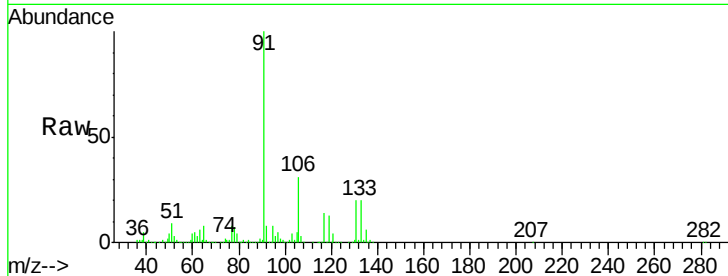
ClientSampled :

Tot Ion: 91 Resp: 4969302

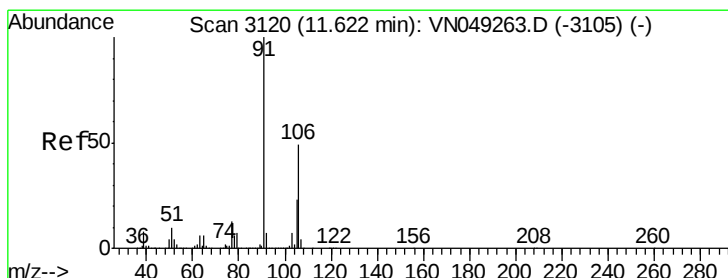
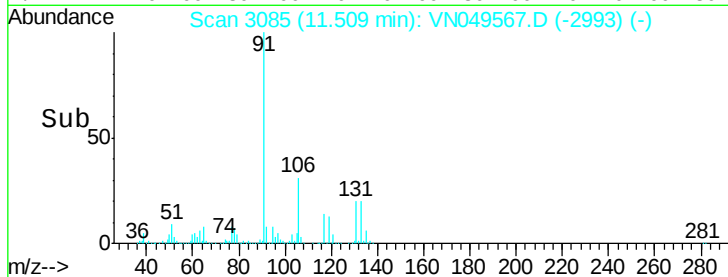
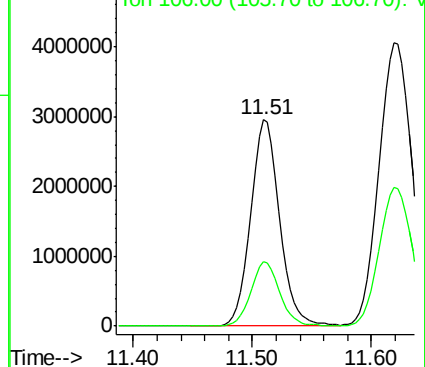
Ion Ratio Lower Upper

91 100

106 31.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)



#68

m/p-Xylenes

Concen: 111.31 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049567.D

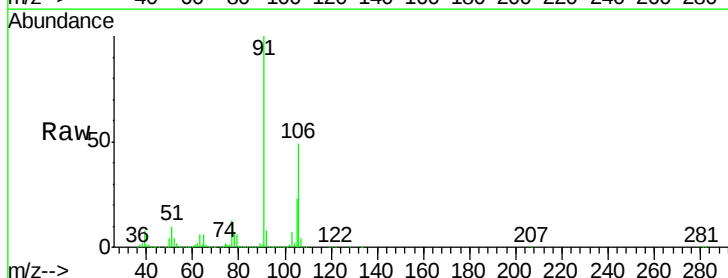
Acq: 27 Jun 2018 12:55

Tgt Ion:106 Resp: 3864550

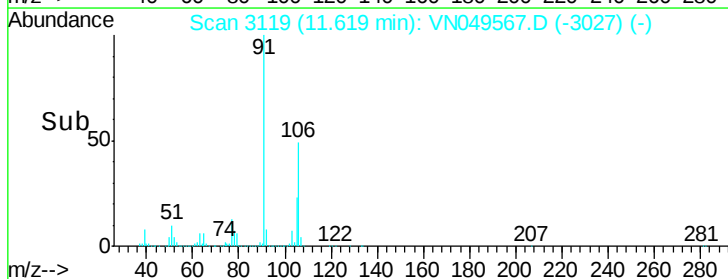
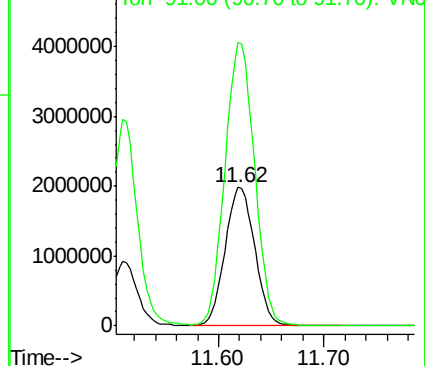
Ion Ratio Lower Upper

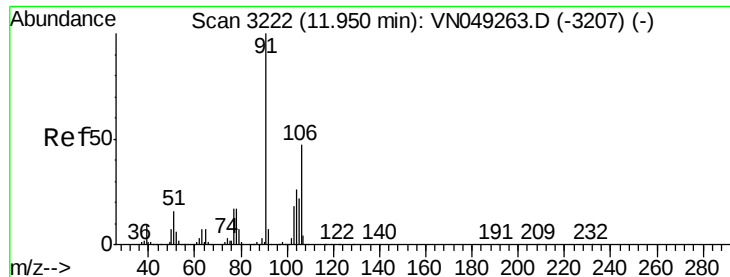
106 100

91 204.2 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)

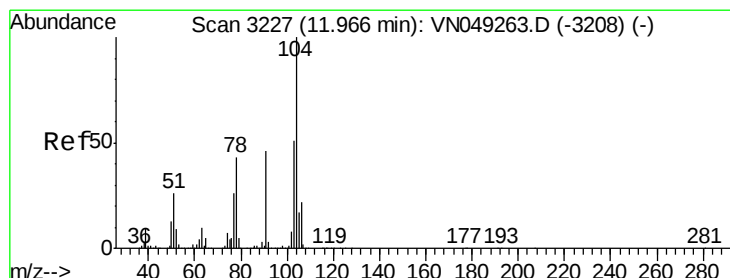
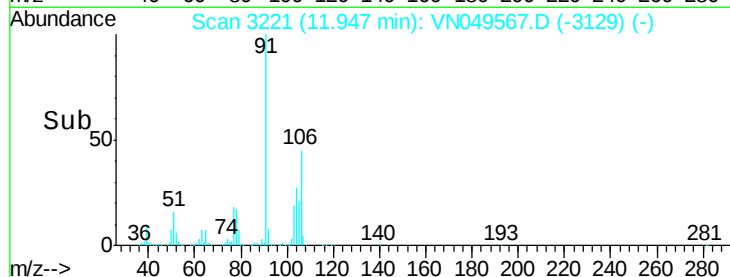
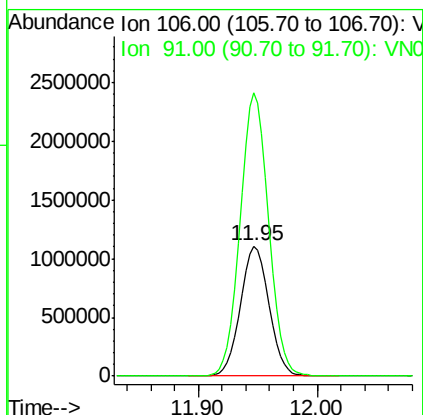
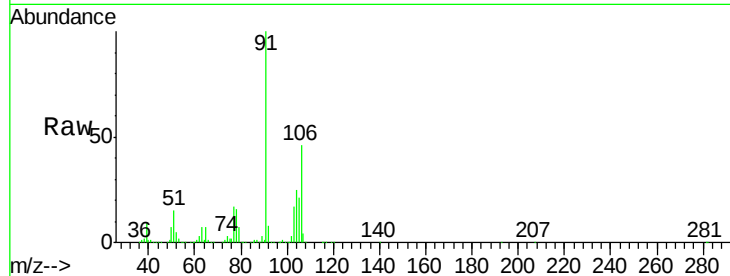




#69
o-Xylene
Concen: 55.05 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

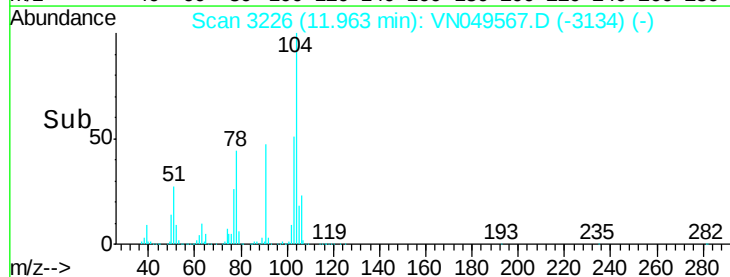
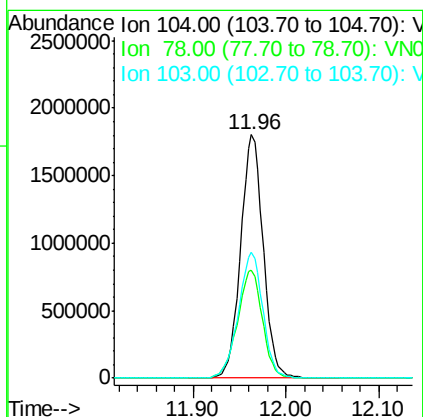
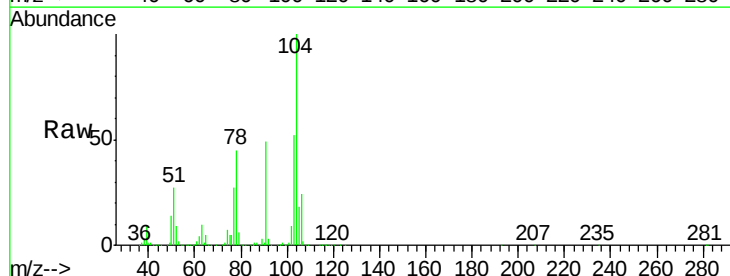
Instrument :
MSVOA_N
ClientSampled :

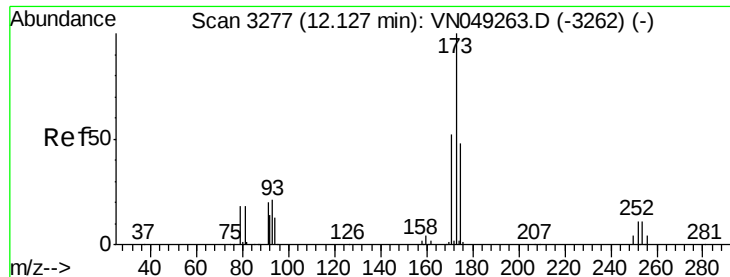
Tot Ion:106 Resp: 1840925
Ion Ratio Lower Upper
106 100
91 216.5 111.0 333.0



#70
Styrene
Concen: 57.53 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion:104 Resp: 3034811
Ion Ratio Lower Upper
104 100
78 49.0 41.6 62.4
103 56.0 45.4 68.2





#71

Bromoform

Concen: 49.68 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampled :

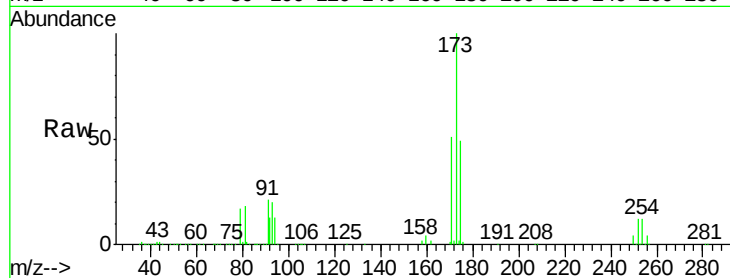
Tot Ion:173 Resp: 674896

Ion Ratio Lower Upper

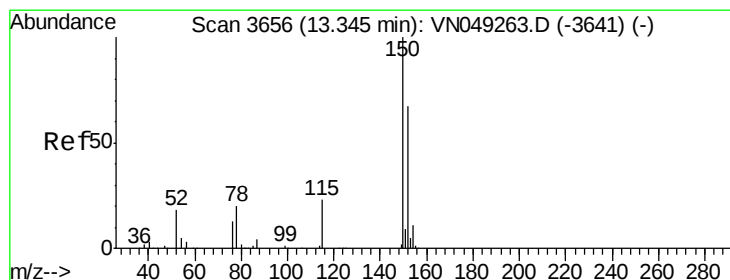
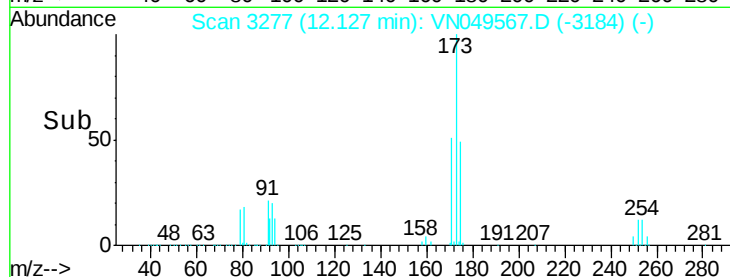
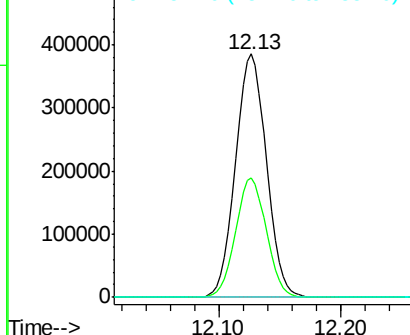
173 100

175 48.6 24.5 73.5

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

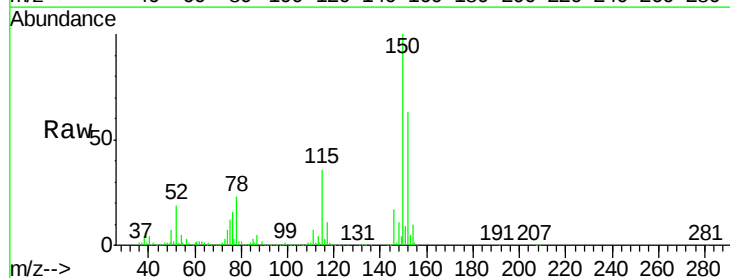
Tgt Ion:152 Resp: 1176649

Ion Ratio Lower Upper

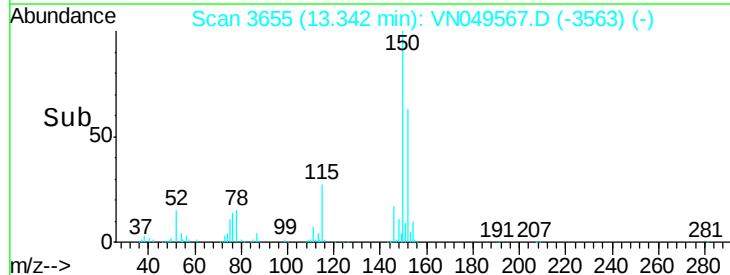
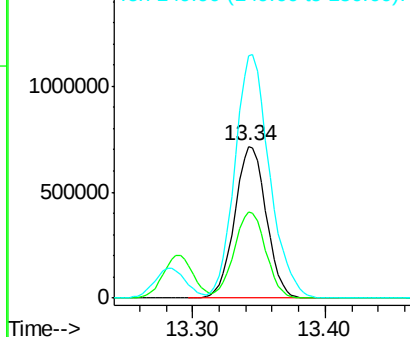
152 100

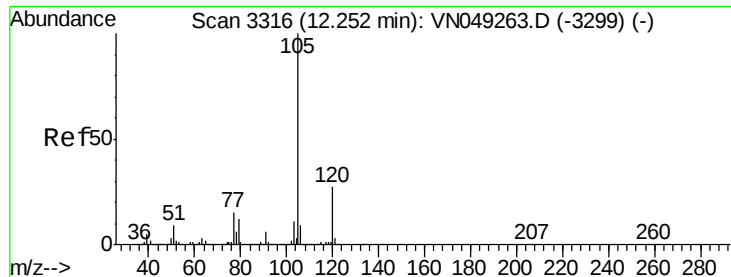
115 57.1 28.7 86.1

150 176.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 47.25 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

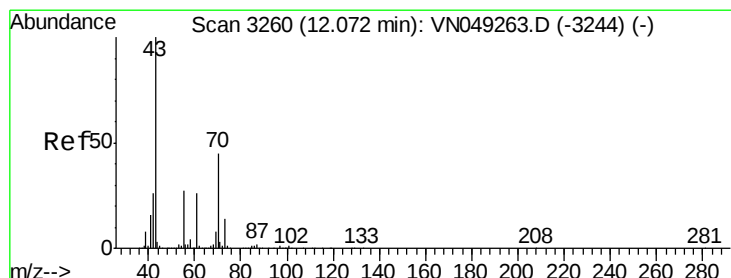
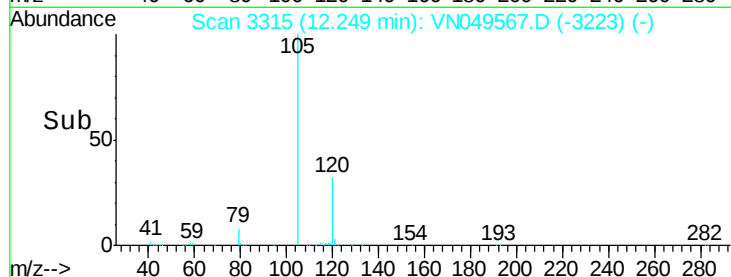
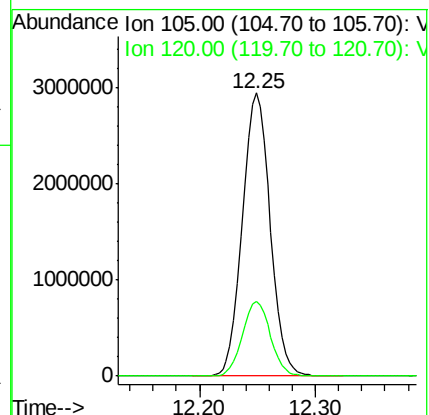
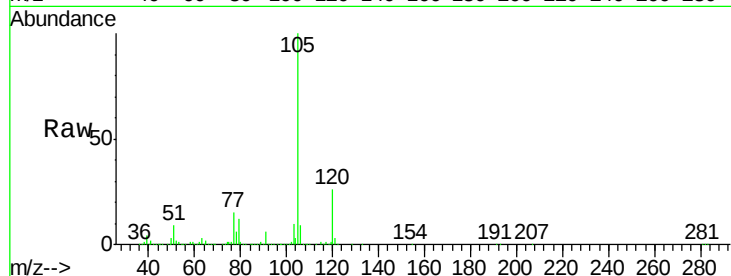
ClientSampleId :

Tot Ion:105 Resp: 4881161

Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3



#74

N-ethyl acetate

Concen: 49.09 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Tgt Ion: 43 Resp: 1242307

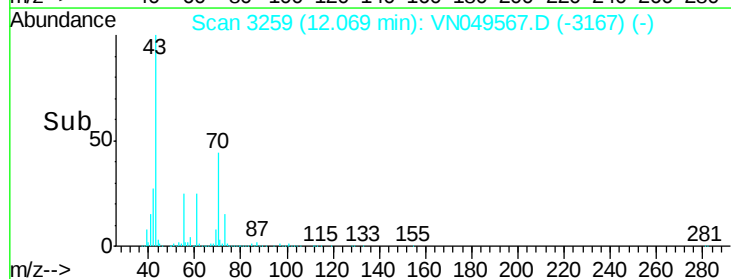
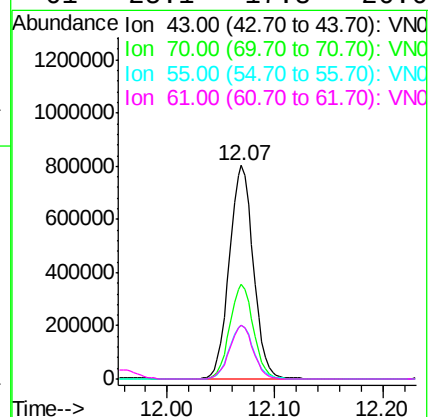
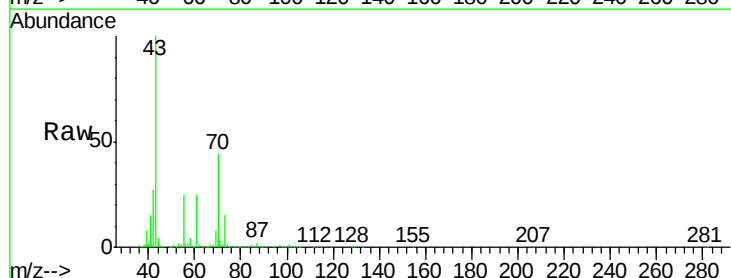
Ion Ratio Lower Upper

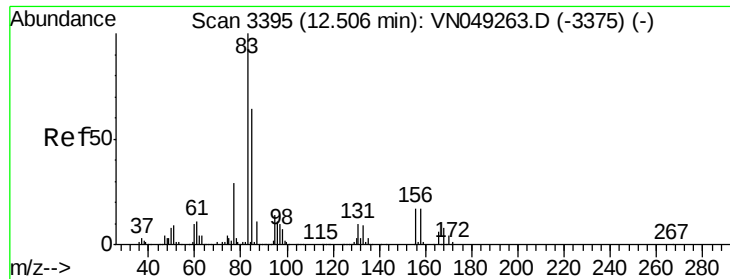
43 100

70 43.9 30.3 45.5

55 25.5 19.4 29.2

61 25.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.87 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampleId :

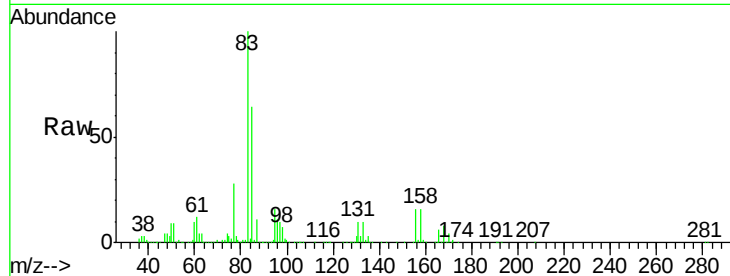
Tot Ion: 83 Resp: 938194

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

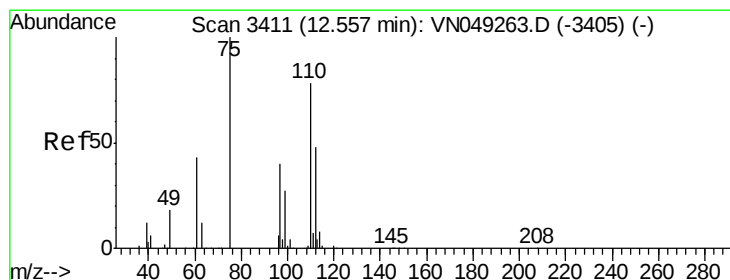
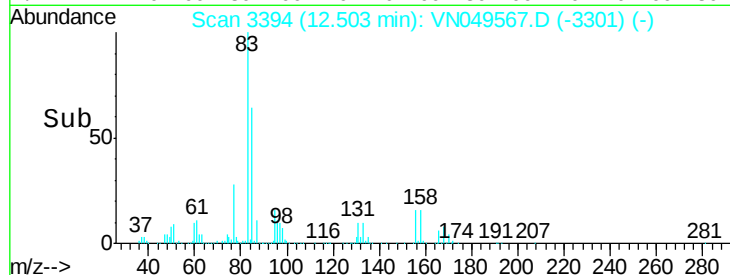
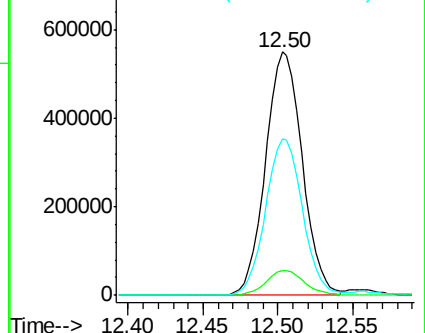
85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 64.02 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049567.D

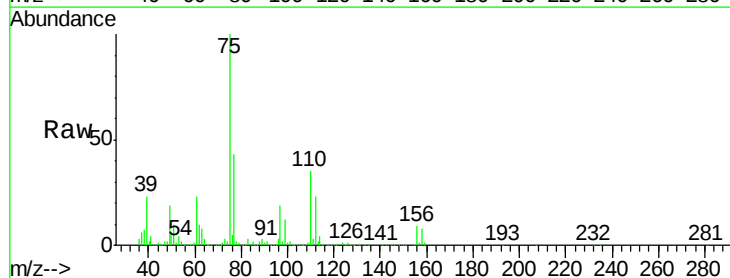
Acq: 27 Jun 2018 12:55

Tgt Ion: 75 Resp: 1285239

Ion Ratio Lower Upper

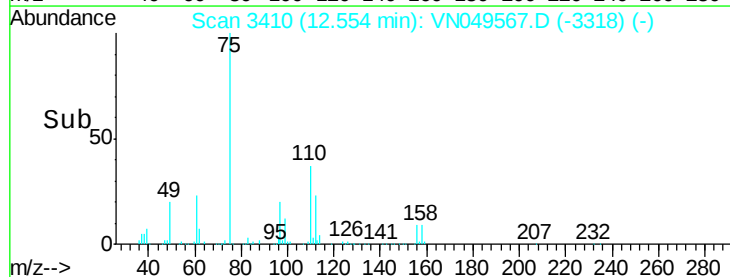
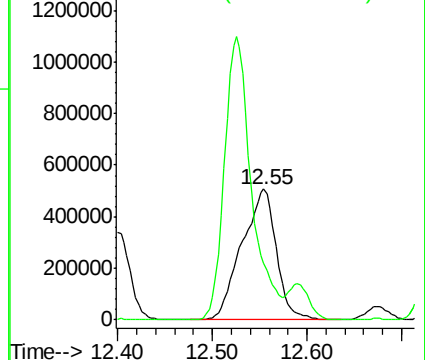
75 100

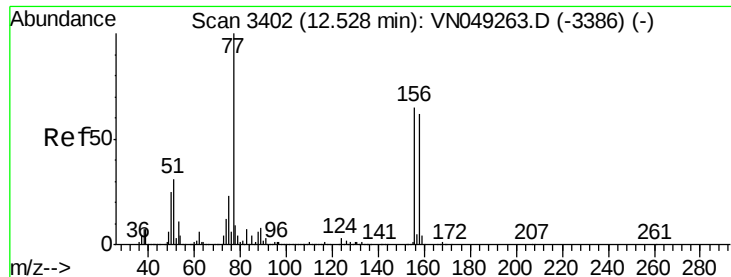
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 45.45 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampled :

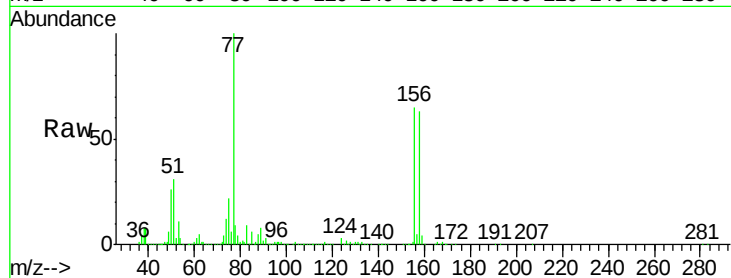
Tot Ion:156 Resp: 1240405

Ion Ratio Lower Upper

156 100

77 176.0 100.8 302.4

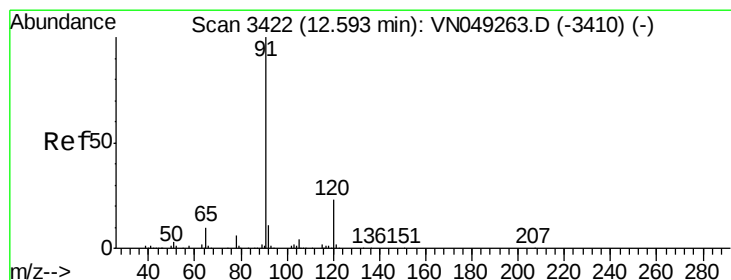
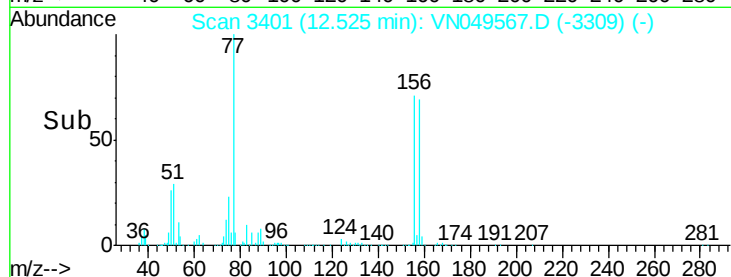
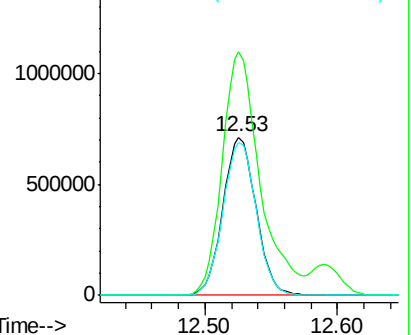
158 97.1 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.03 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049567.D

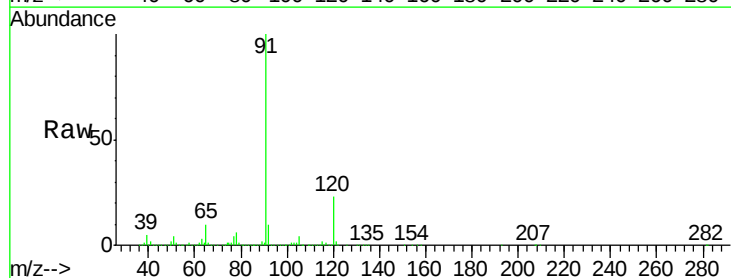
Acq: 27 Jun 2018 12:55

Tgt Ion: 91 Resp: 5788565

Ion Ratio Lower Upper

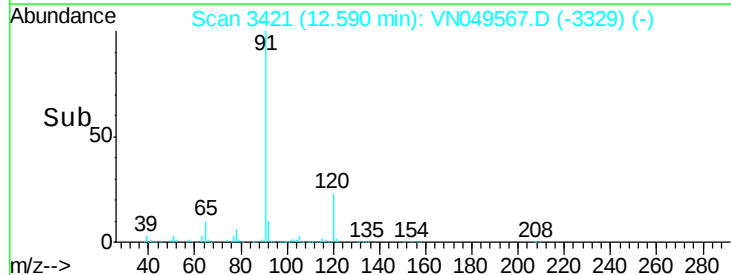
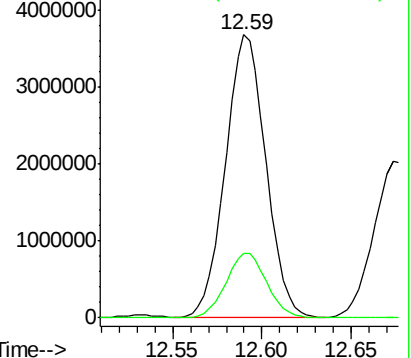
91 100

120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.79 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

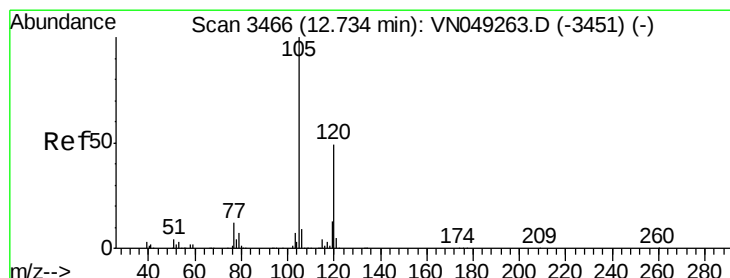
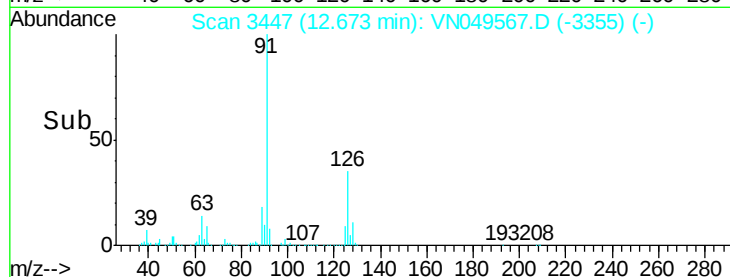
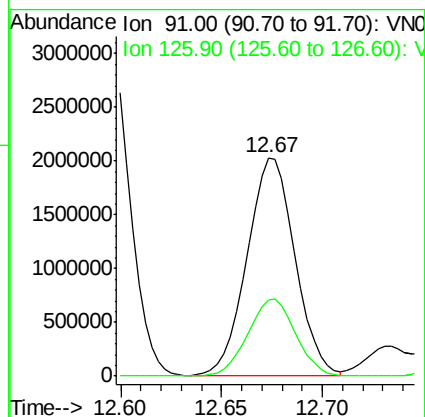
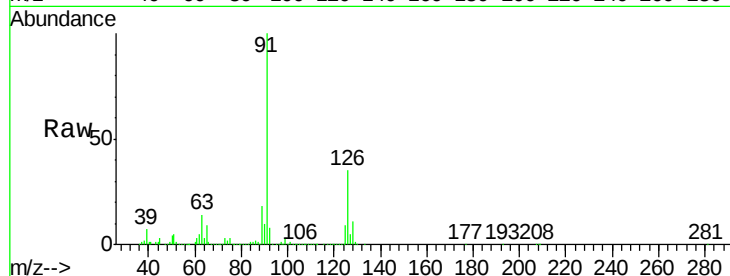
ClientSampleId :

Tot Ion: 91 Resp: 3363255

Ion Ratio Lower Upper

91 100

126 35.4 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 51.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049567.D

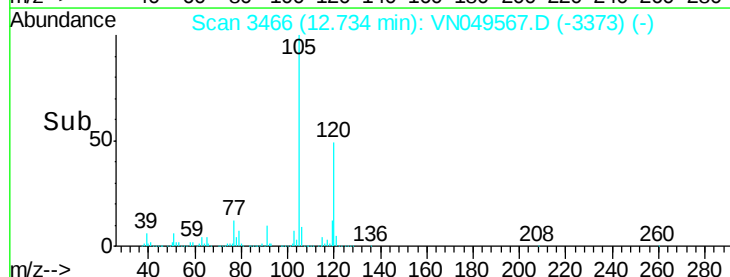
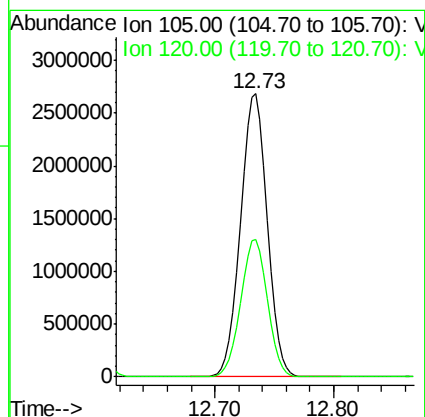
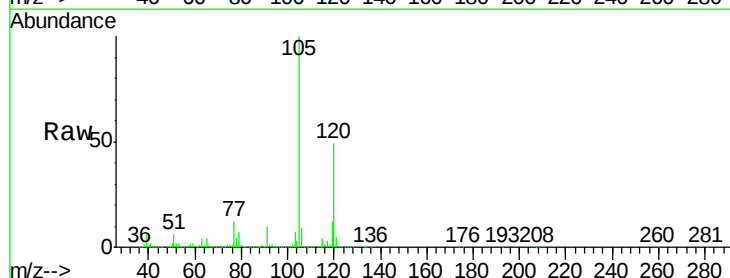
Acq: 27 Jun 2018 12:55

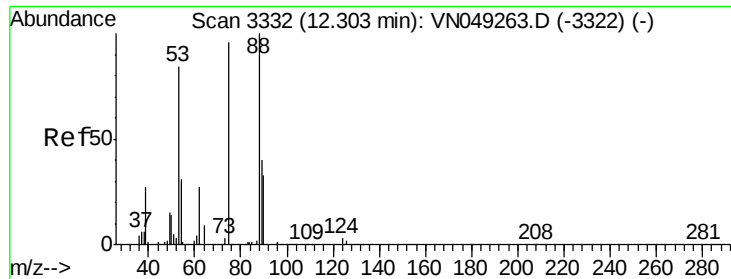
Tgt Ion:105 Resp: 4160516

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 44.39 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

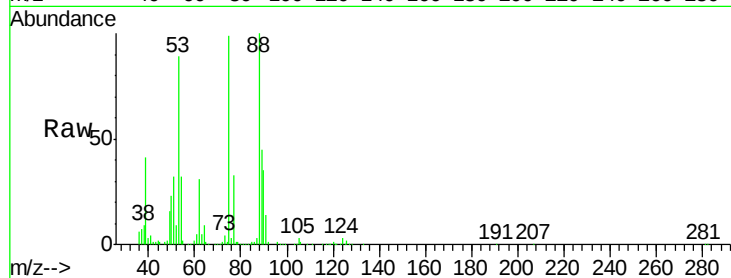
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 281967

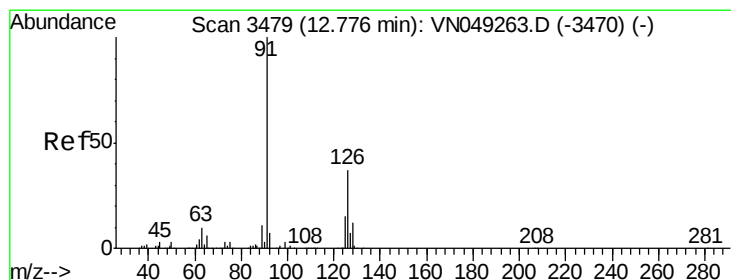
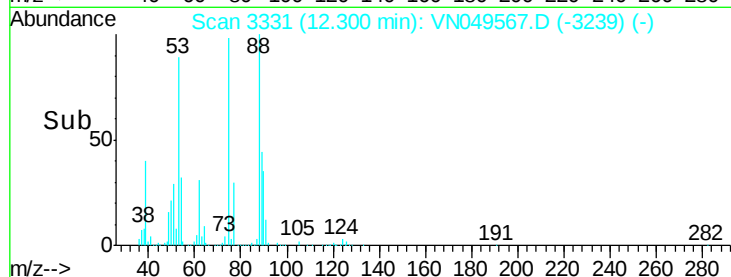
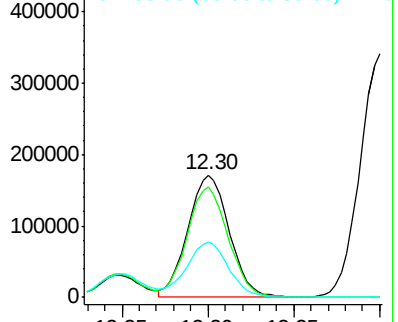
Ion	Ratio	Lower	Upper
75	100		
53	91.4	82.7	124.1
89	47.3	36.5	54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.62 ug/l

RT: 12.77 min Scan# 3478

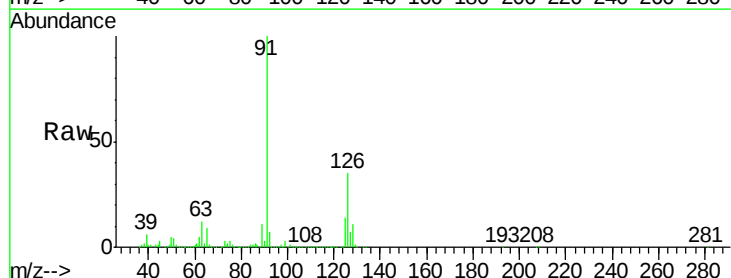
Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

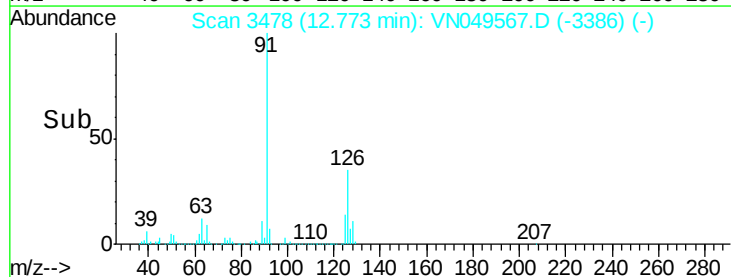
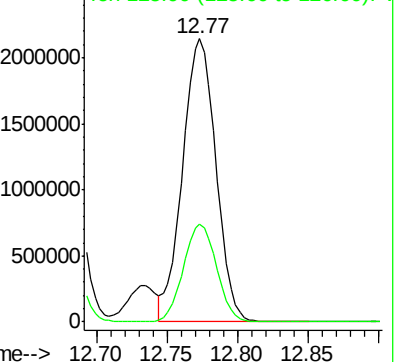
Tgt Ion: 91 Resp: 3510055

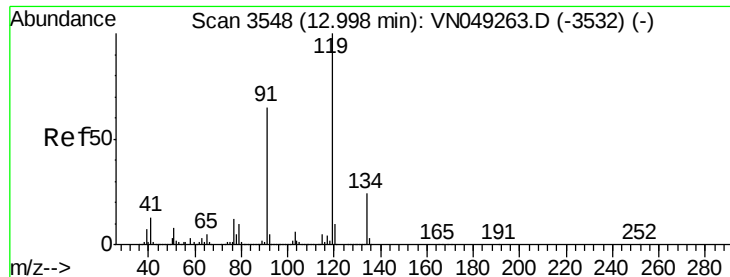
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.55 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampleId :

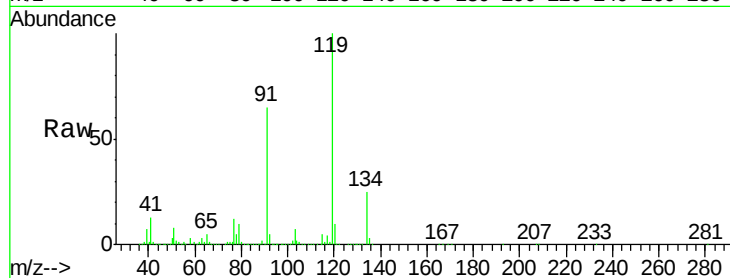
Tot Ion:119 Resp: 3492530

Ion Ratio Lower Upper

119 100

91 63.6 33.7 101.0

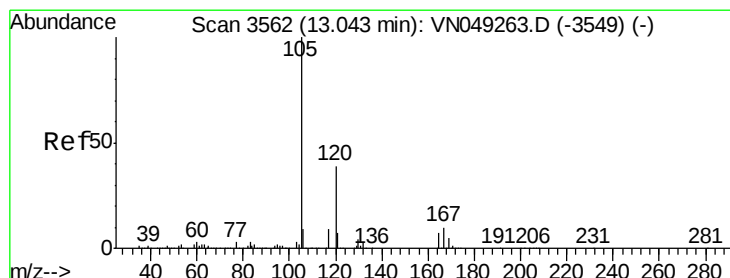
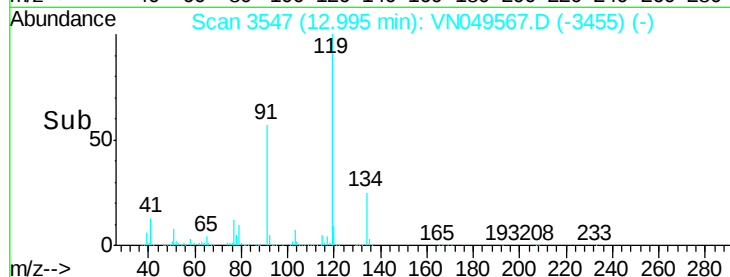
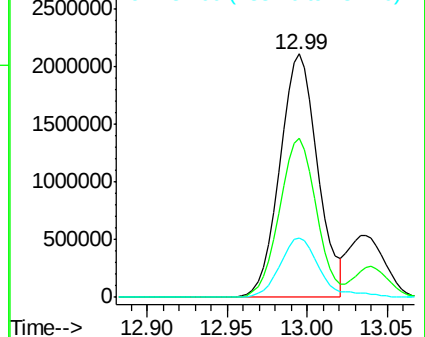
134 25.8 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.49 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049567.D

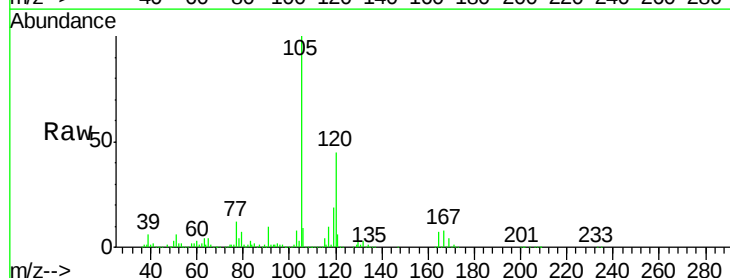
Acq: 27 Jun 2018 12:55

Tgt Ion:105 Resp: 4314844

Ion Ratio Lower Upper

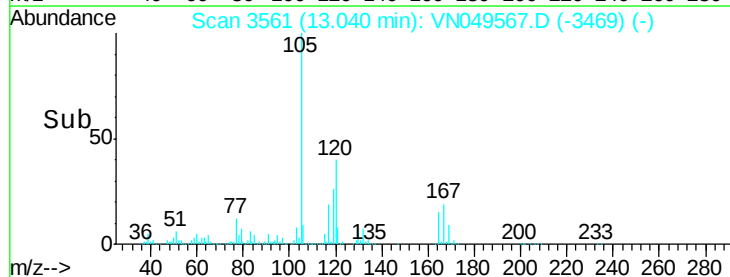
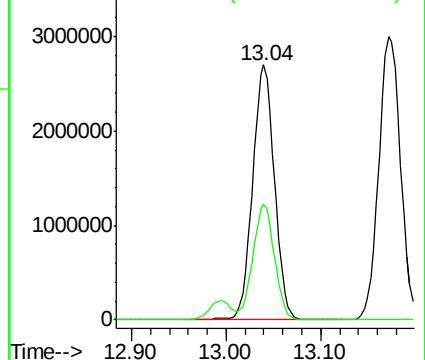
105 100

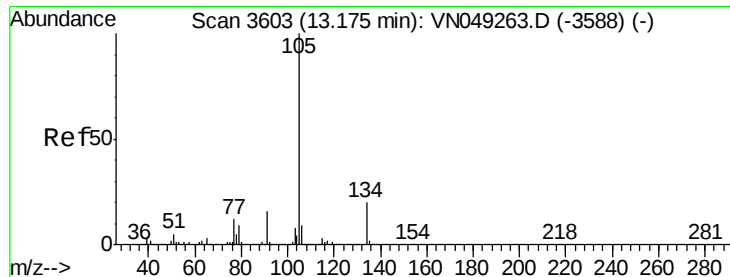
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.85 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

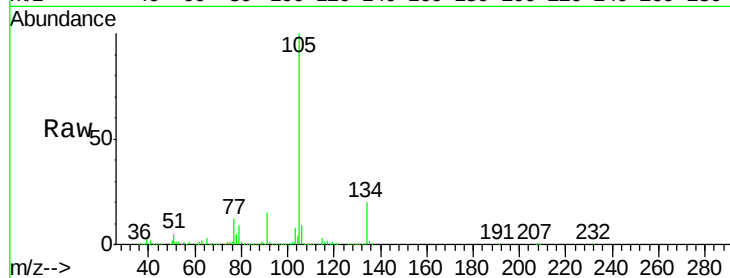
ClientSampleId :

Tot Ion:105 Resp: 4772798

Ion Ratio Lower Upper

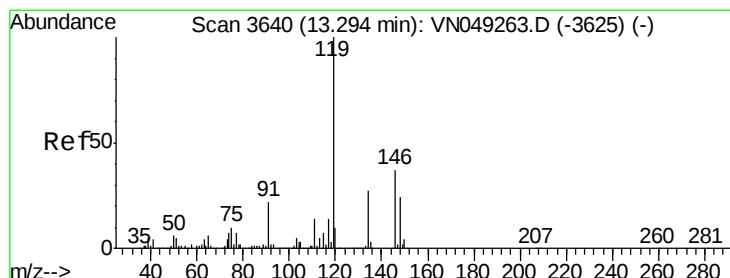
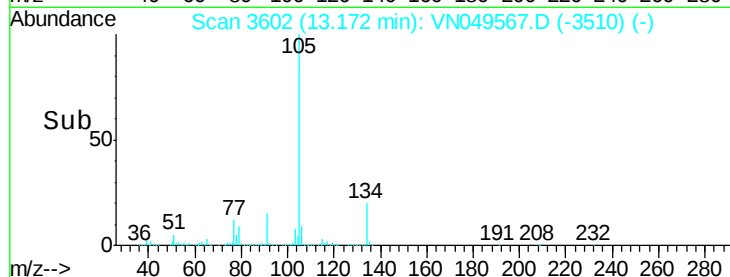
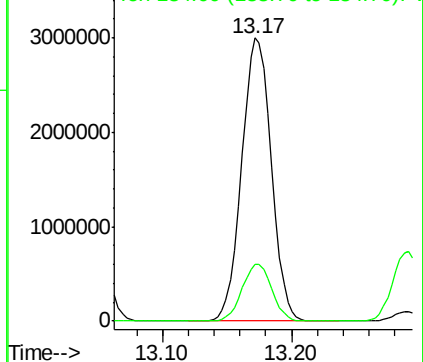
105 100

134 20.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.45 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

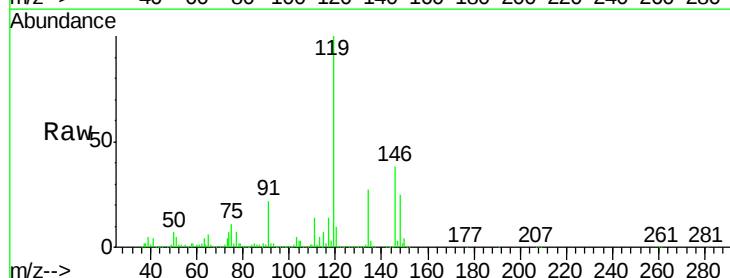
Tgt Ion:119 Resp: 4275981

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

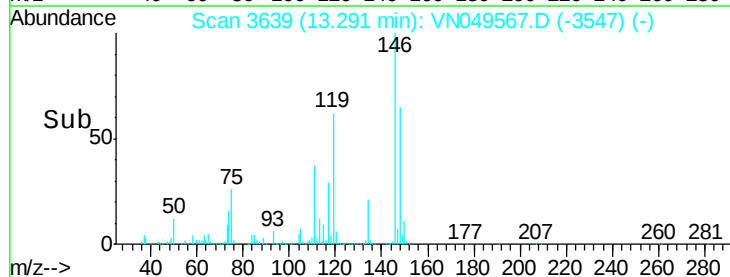
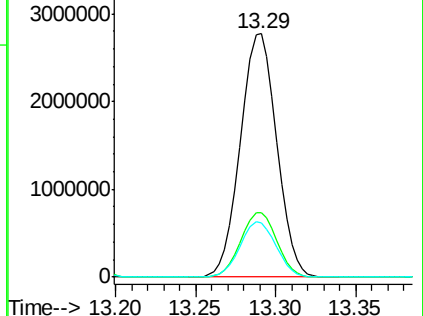
91 22.5 12.1 36.3

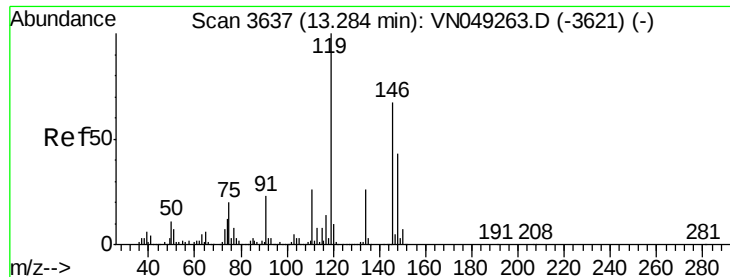


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.92 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampleId :

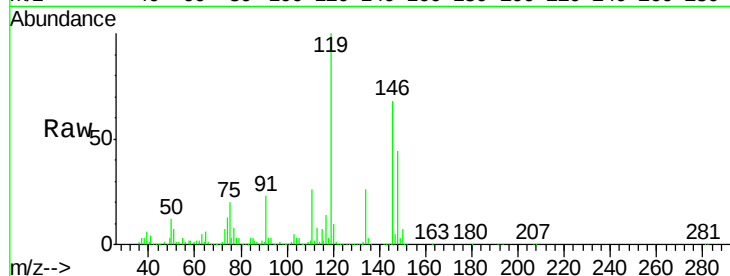
Tot Ion:146 Resp: 2286058

Ion Ratio Lower Upper

146 100

111 38.1 19.9 59.6

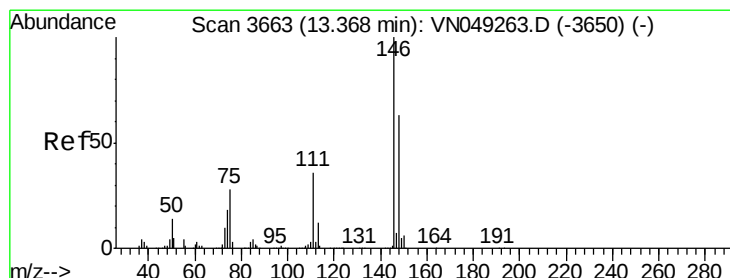
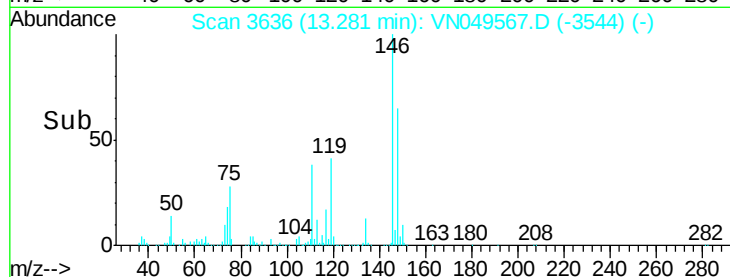
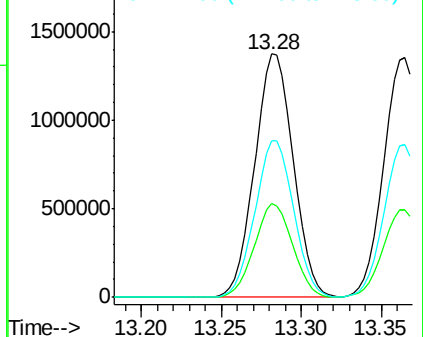
148 64.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.74 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

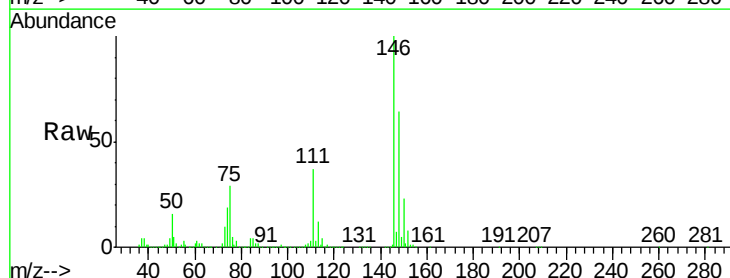
Tgt Ion:146 Resp: 2257597

Ion Ratio Lower Upper

146 100

111 36.6 19.1 57.1

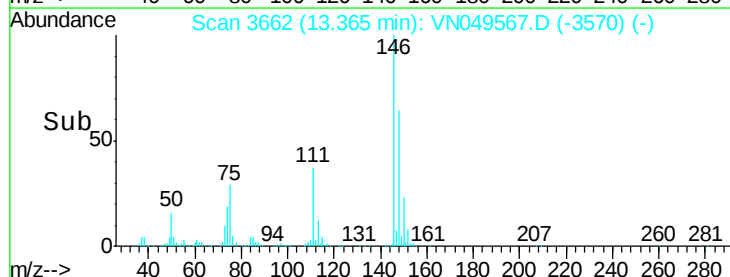
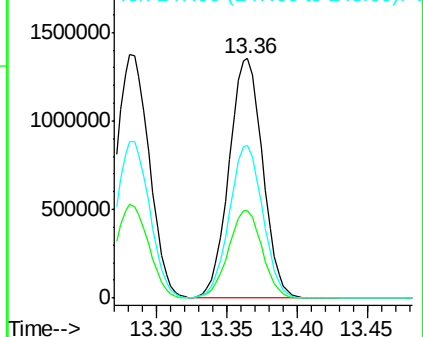
148 63.4 32.0 96.2

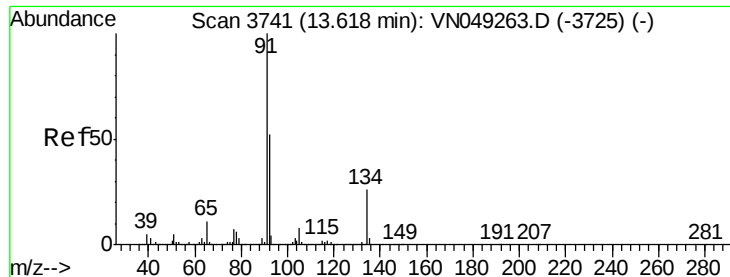


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

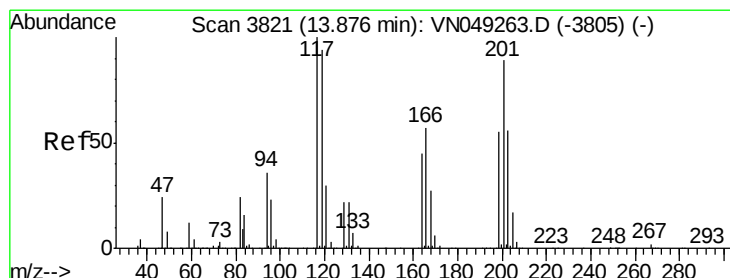
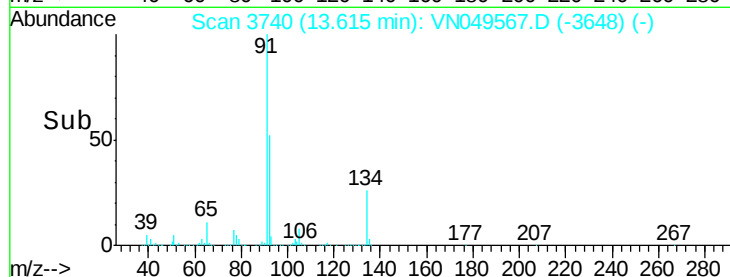
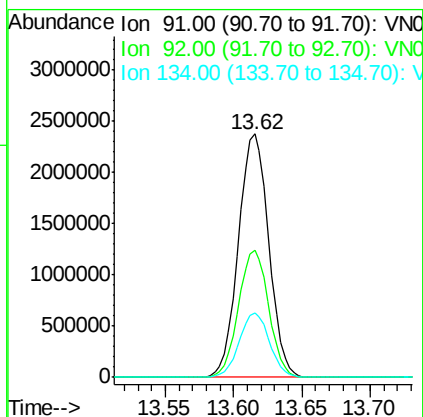
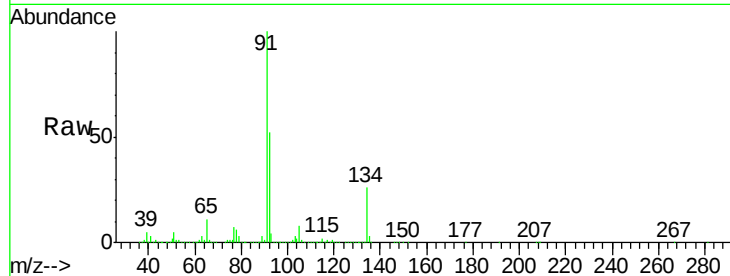




#89
n-Butylbenzene
Concen: 58.71 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

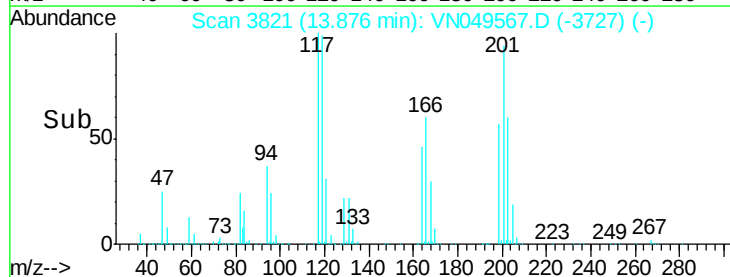
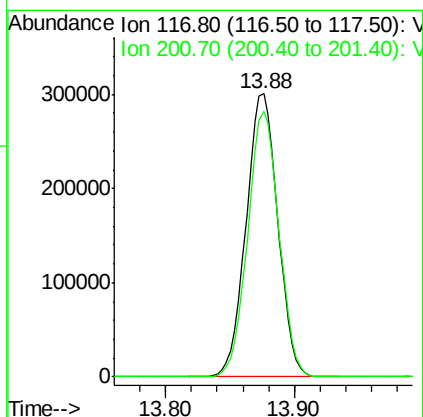
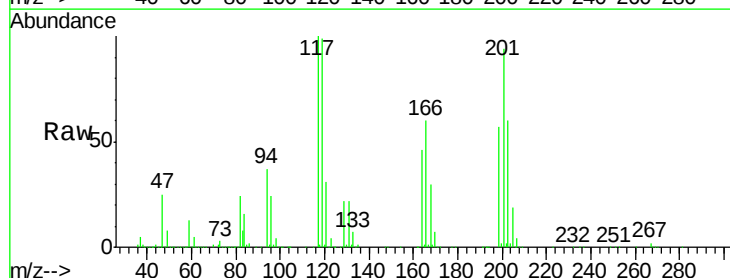
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 3668715
Ion Ratio Lower Upper
91 100
92 52.1 25.1 75.4
134 26.2 12.0 36.0



#90
Hexachloroethane
Concen: 33.42 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion: 117 Resp: 514491
Ion Ratio Lower Upper
117 100
201 92.5 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 49.74 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

Instrument :

MSVOA_N

ClientSampleId :

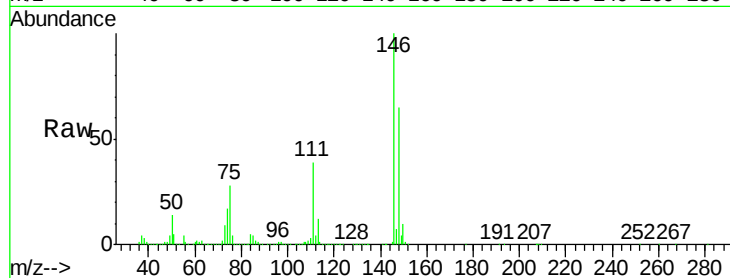
Tot Ion:146 Resp: 2190002

Ion Ratio Lower Upper

146 100

111 39.5 20.8 62.2

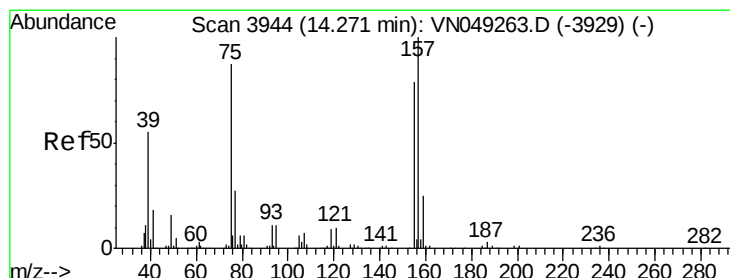
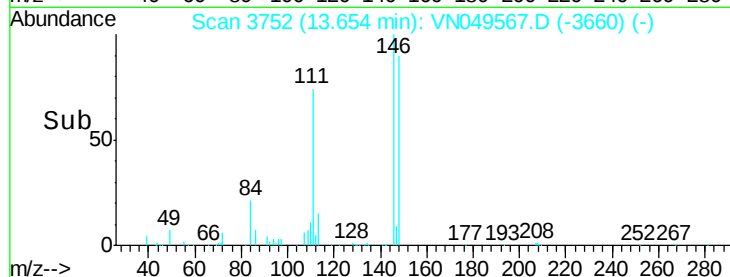
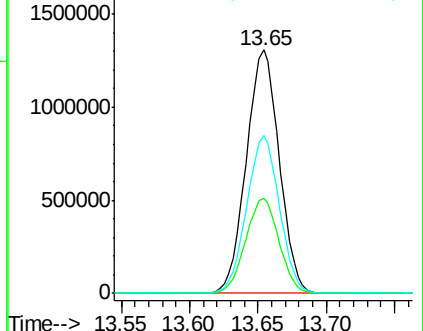
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.17 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049567.D

Acq: 27 Jun 2018 12:55

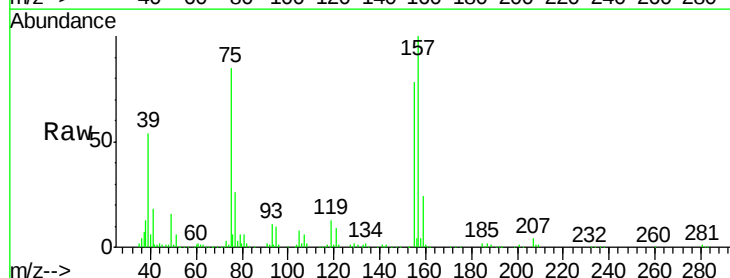
Tgt Ion: 75 Resp: 158887

Ion Ratio Lower Upper

75 100

155 92.7 38.8 116.3

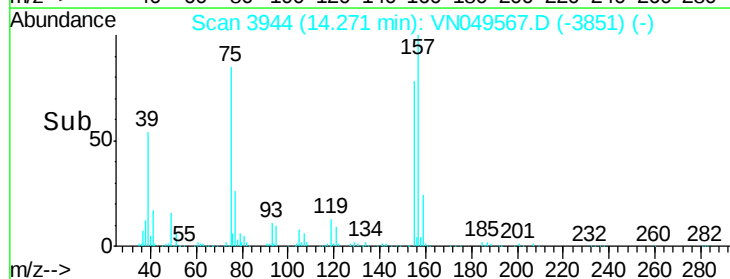
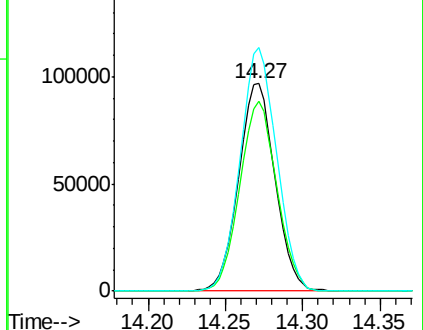
157 117.6 51.0 153.1

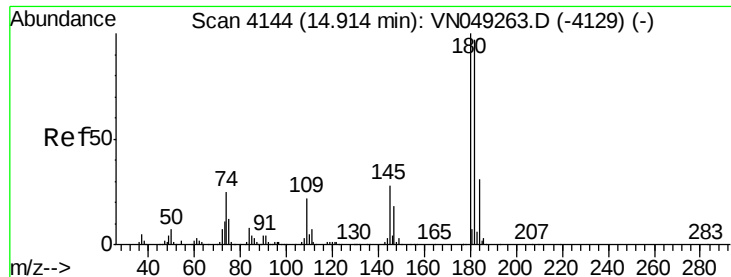


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

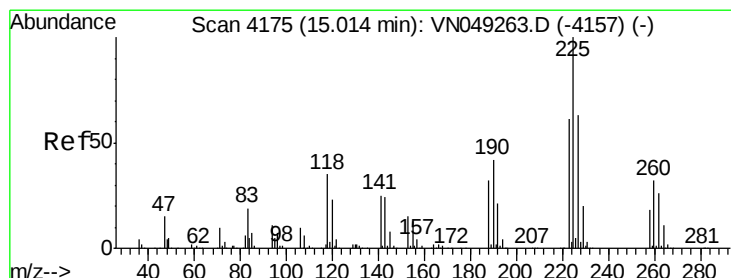
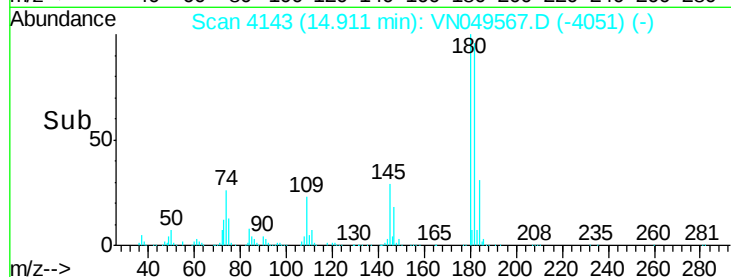
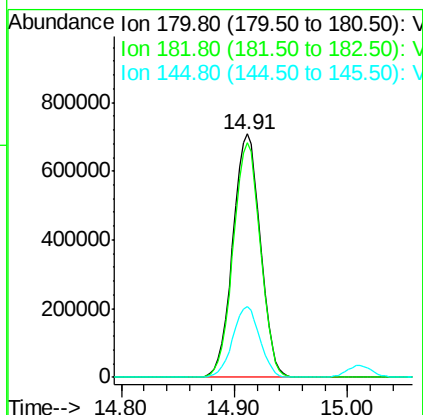
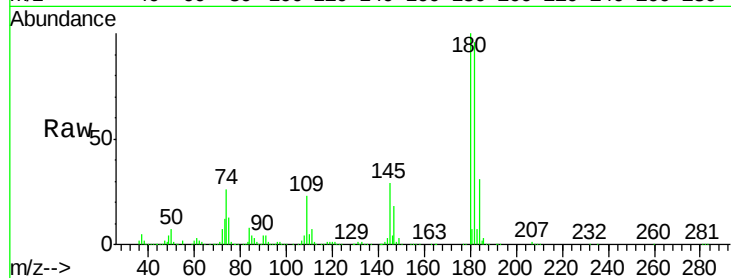




#93
 1,2,4-Trichlorobenzene
 Concen: 58.44 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

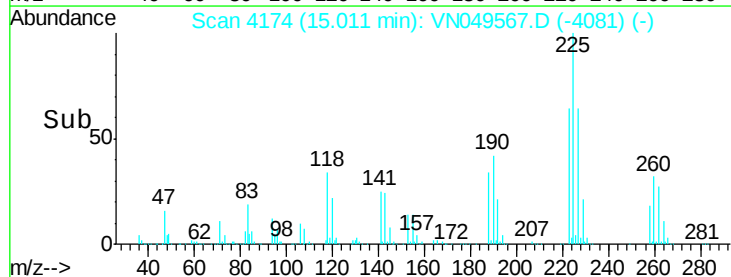
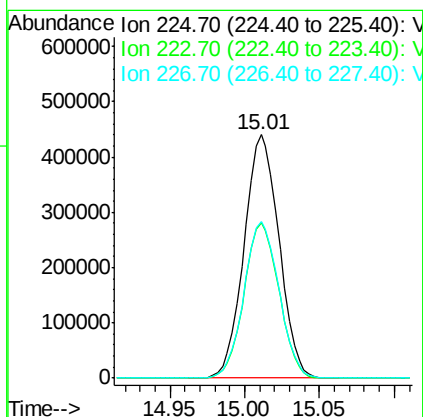
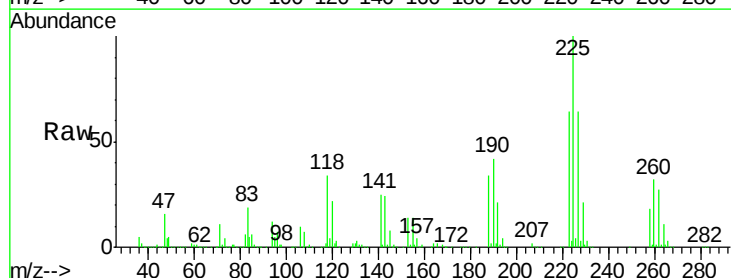
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1197261
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.8
 145 28.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 55.90 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049567.D
 Acq: 27 Jun 2018 12:55

Tgt Ion:225 Resp: 715763
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.1 96.3
 227 64.5 31.8 95.3

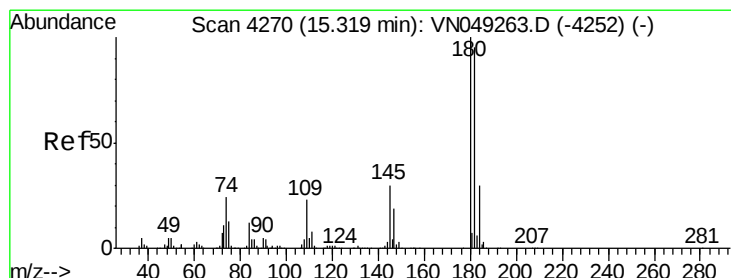
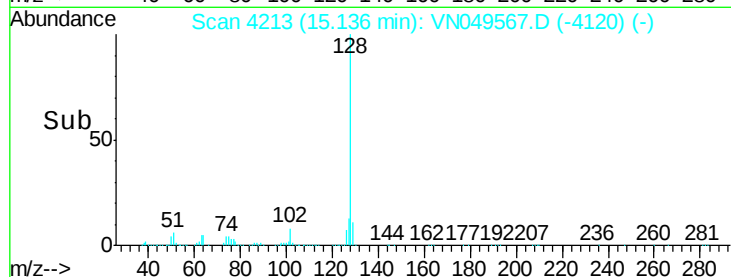
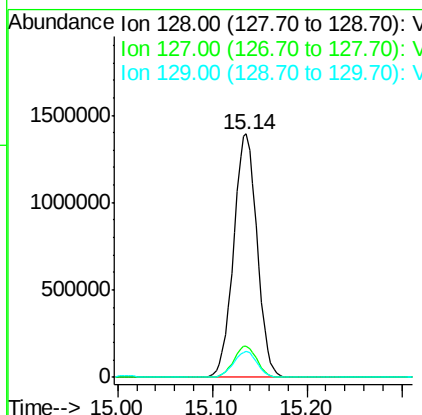
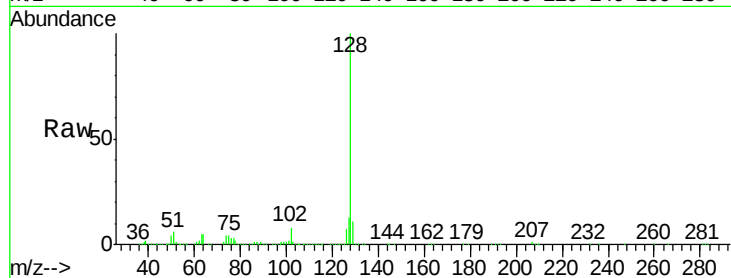




#95
Naphthalene
Concen: 63.78 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 2389177
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 55.42 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049567.D
Acq: 27 Jun 2018 12:55

Tgt Ion:180 Resp: 1101286
Ion Ratio Lower Upper
180 100
182 96.0 47.3 141.8
145 30.2 15.6 46.7

