

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049768.D
 Acq On : 12 Jul 2018 10:14
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 02:06:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1044695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1598191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1385335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	541460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	20339	1.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.34%	
35) Dibromofluoromethane	7.60	113	16990	1.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.82%	
50) Toluene-d8	10.09	98	52238	1.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.54%	
62) 4-Bromofluorobenzene	12.40	95	15634	1.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.12%	

Target Compounds

					Qvalue
3) Chloromethane	2.06	50	18462	0.435	ug/l 93
4) Vinyl Chloride	2.18	62	19145	0.811	ug/l 99
5) Bromomethane	2.57	94	17120	0.882	ug/l 86
6) Chloroethane	2.71	64	10942	1.178	ug/l 94
7) Trichlorofluoromethane	3.02	101	23056	1.164	ug/l 84
8) Diethyl Ether	3.42	74	8056	1.135	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	16247	1.264	ug/l 97
10) Methyl Iodide	3.96	142	12302	0.753	ug/l # 97
11) Tert butyl alcohol	4.79	59	1557	1.914	ug/l 98
12) 1,1-Dichloroethene	3.73	96	13623	1.206	ug/l 86
13) Acrolein	3.62	56	7321	10.248	ug/l 99
14) Allyl chloride	4.33	41	21949	1.191	ug/l # 86
15) Acrylonitrile	5.00	53	21374	5.247	ug/l # 83
16) Acetone	3.83	43	21964	5.310	ug/l 93
17) Carbon Disulfide	4.05	76	46376	1.180	ug/l 99
18) Methyl Acetate	4.33	43	20852	1.336	ug/l 98
19) Methyl tert-butyl Ether	5.06	73	33544	1.070	ug/l 96
20) Methylene Chloride	4.56	84	20081	0.707	ug/l 97
21) trans-1,2-Dichloroethene	5.04	96	7993	0.647	ug/l 91
22) Diisopropyl ether	5.96	45	37476	0.990	ug/l # 94
23) Vinyl Acetate	5.90	43	125128	4.930	ug/l 99
24) 1,1-Dichloroethane	5.85	63	28279	1.189	ug/l 97
25) 2-Butanone	6.84	43	25403	5.364	ug/l 94
26) 2,2-Dichloropropane	6.82	77	22962	1.163	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	16570	1.173	ug/l 99
28) Bromochloromethane	7.20	49	12346	1.141	ug/l 97
29) Tetrahydrofuran	7.22	42	15381	5.172	ug/l 94
30) Chloroform	7.37	83	29861	1.218	ug/l 95
31) Cyclohexane	7.66	56	38659	1.796	ug/l # 41
32) 1,1,1-Trichloroethane	7.58	97	24879	1.195	ug/l 97
36) 1,1-Dichloropropene	7.79	75	20256	1.100	ug/l 96
37) Ethyl Acetate	6.94	43	11251	1.032	ug/l 96
38) Carbon Tetrachloride	7.77	117	22477	1.167	ug/l 97
39) Methylcyclohexane	9.08	83	20149	1.038	ug/l 94

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Quant Time: Jul 13 02:06:32 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

40) Benzene	8.04	78	59633	1.082	ug/l	99
41) Methacrylonitrile	7.18	41	7154	1.160	ug/l #	68
42) 1,2-Dichloroethane	8.13	62	20520	1.139	ug/l	100
43) Isopropyl Acetate	8.17	43	19595	1.000	ug/l	99
44) Trichloroethene	8.83	130	17318	1.167	ug/l	91
45) 1,2-Dichloropropane	9.12	63	16265	1.099	ug/l	97
46) Dibromomethane	9.21	93	9681	1.101	ug/l	97
47) Bromodichloromethane	9.40	83	21589	1.115	ug/l	97
48) Methyl methacrylate	9.20	41	10378	1.059	ug/l #	78
49) 1,4-Dioxane	9.21	88	2527	19.686	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	47990	4.511	ug/l	96
52) Toluene	10.16	92	31088	0.943	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	17272	0.927	ug/l	92
54) cis-1,3-Dichloropropene	9.84	75	19033	0.897	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	17628	0.744	ug/l	88
56) Ethyl methacrylate	10.43	69	12034	0.809	ug/l	95
57) 1,3-Dichloropropane	10.71	76	22653	1.078	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	29374	4.115	ug/l	98
59) 2-Hexanone	10.75	43	30835	4.360	ug/l	88
60) Dibromochloromethane	10.90	129	14611	1.012	ug/l	99
61) 1,2-Dibromoethane	11.01	107	12120	1.010	ug/l	99
64) Tetrachloroethene	10.63	164	14922	1.186	ug/l	97
65) Chlorobenzene	11.43	112	40797	1.130	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	15003	1.105	ug/l #	61
67) Ethyl Benzene	11.51	91	57713	0.977	ug/l	98
68) m/p-Xylenes	11.62	106	39374	1.775	ug/l	97
69) o-Xylene	11.95	106	19520	0.911	ug/l	92
70) Stvrene	11.97	104	26475	0.778	ug/l	98
71) Bromoform	12.13	173	8735	0.952	ug/l #	89
73) Isopropylbenzene	12.25	105	48013	1.067	ug/l	98
74) N-amyl acetate	12.07	43	11078	0.946	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	15569	Below Cal		96
76) 1,2,3-Trichloropropane	12.56	75	16720	1.738	ug/l #	100
77) Bromobenzene	12.53	156	14548	1.219	ug/l	96
78) n-propylbenzene	12.59	91	52680	1.038	ug/l	96
79) 2-Chlorotoluene	12.68	91	34223	1.102	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	35512	0.993	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	2777	0.932	ug/l #	80
82) 4-Chlorotoluene	12.78	91	31067	1.009	ug/l	100
83) tert-Butylbenzene	12.99	119	33711	1.054	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	32548	0.908	ug/l	98
85) sec-Butylbenzene	13.17	105	39253	0.936	ug/l	95
86) p-Isopropyltoluene	13.29	119	30944	0.872	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	22681	1.096	ug/l	96
88) 1,4-Dichlorobenzene	13.29	146	22681	1.127	ug/l	96
89) n-Butylbenzene	13.62	91	24420	0.834	ug/l	96
90) Hexachloroethane	13.88	117	9763	0.593	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	23369	1.157	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2525	1.110	ug/l	74
93) 1,2,4-Trichlorobenzene	14.91	180	8248	3.591	ug/l	98

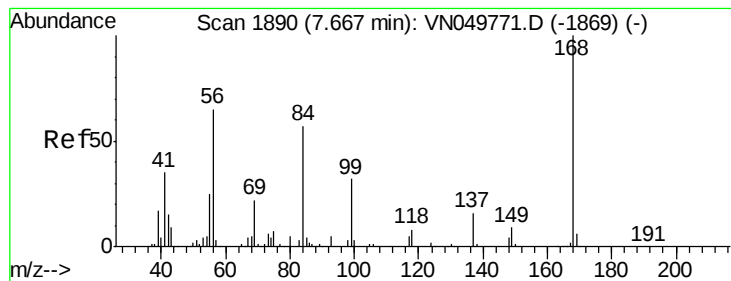
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	8774	0.355	ug/l	98
95) Naphthalene	15.14	128	16107	4.644	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	9393	0.959	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

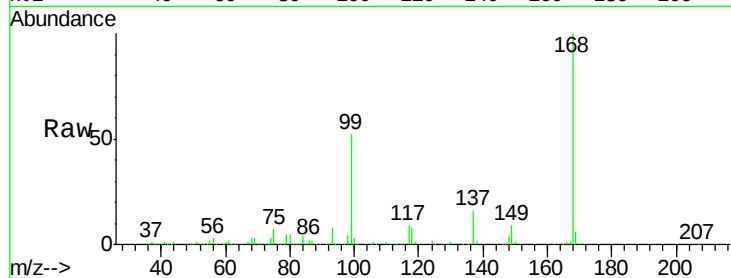
ClientSampleId :

Tot Ion:168 Resp: 1044695

Ion Ratio Lower Upper

168 100

99 51.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

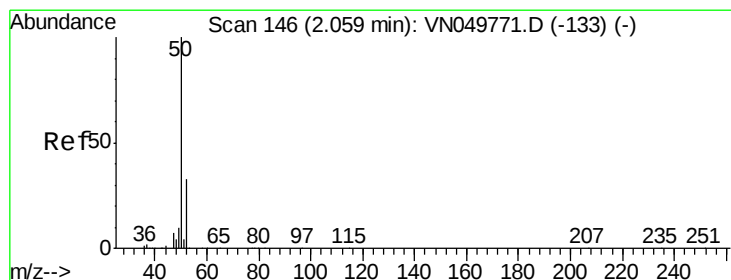
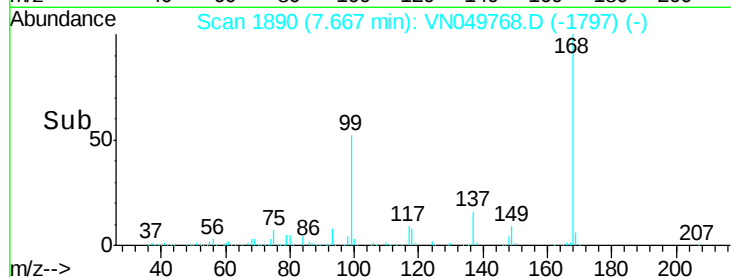
200000

100000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.435 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049768.D

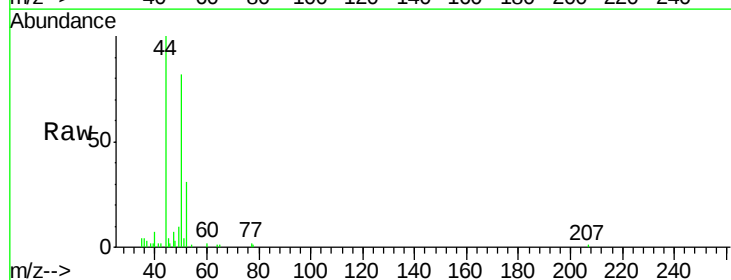
Acq: 12 Jul 2018 10:14

Tgt Ion: 50 Resp: 18462

Ion Ratio Lower Upper

50 100

52 36.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

15000

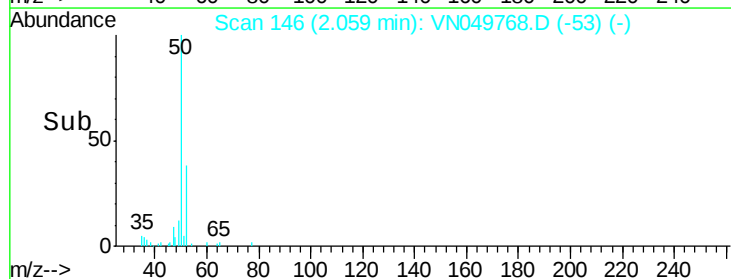
10000

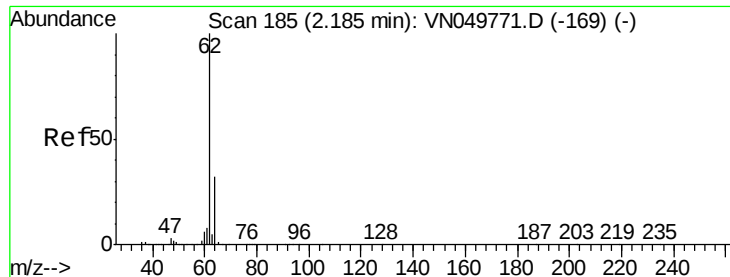
5000

0

2.00 2.05 2.10

Time-->





#4

Vinyl Chloride

Concen: 0.811 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

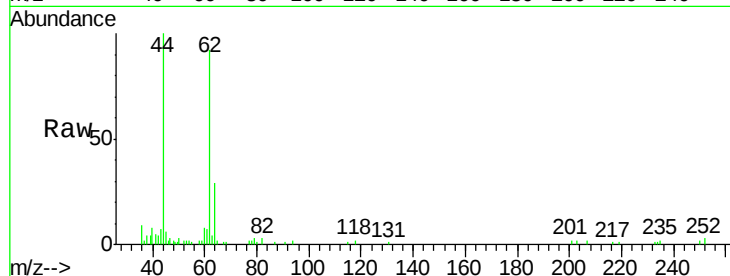
ClientSampleId :

Tot Ion: 62 Resp: 19145

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN049768.D (-169) (-)

Ion 63.90 (63.60 to 64.60): VN049768.D (-169) (-)

2.18

15000

10000

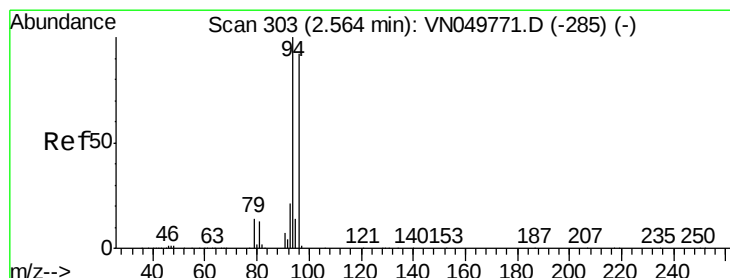
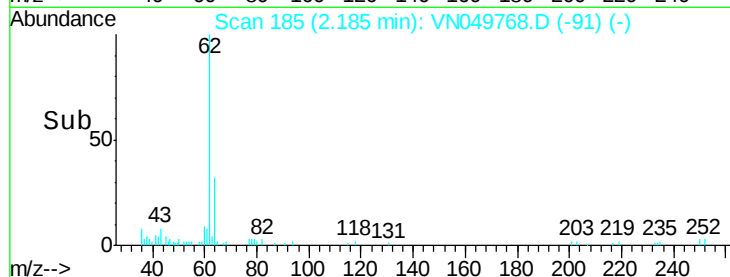
5000

0

Time-->

2.15

2.20



#5

Bromomethane

Concen: 0.882 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049768.D

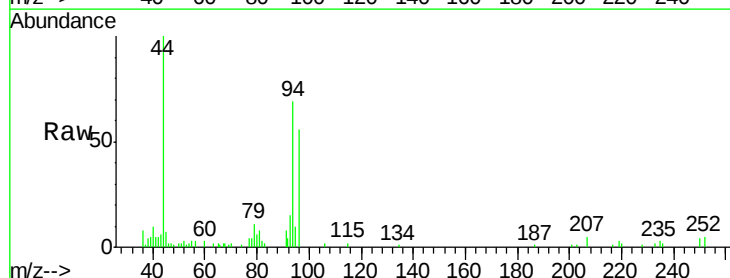
Acq: 12 Jul 2018 10:14

Tgt Ion: 94 Resp: 17120

Ion Ratio Lower Upper

94 100

96 81.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049768.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN049768.D (-285) (-)

2.57

10000

8000

6000

4000

2000

0

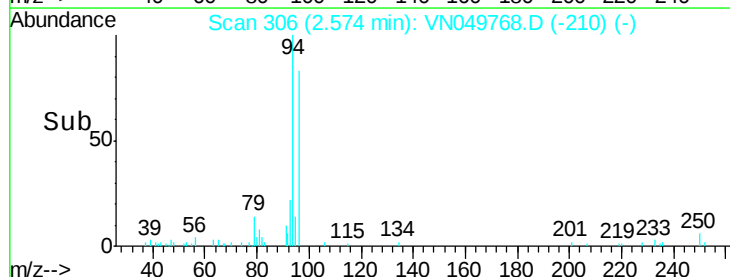
Time-->

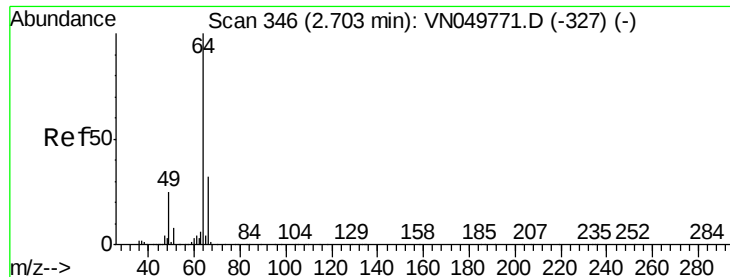
2.50

2.55

2.60

2.65





#6

Chloroethane

Concen: 1.178 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

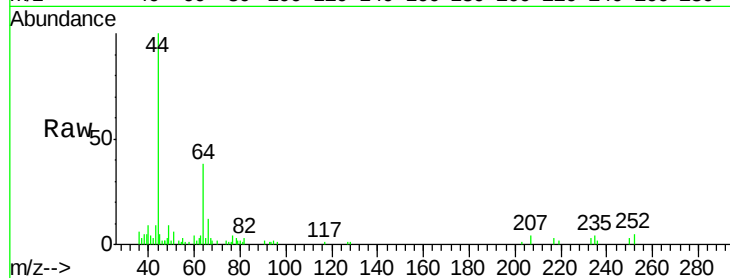
ClientSampleId :

Tot Ion: 64 Resp: 10942

Ion Ratio Lower Upper

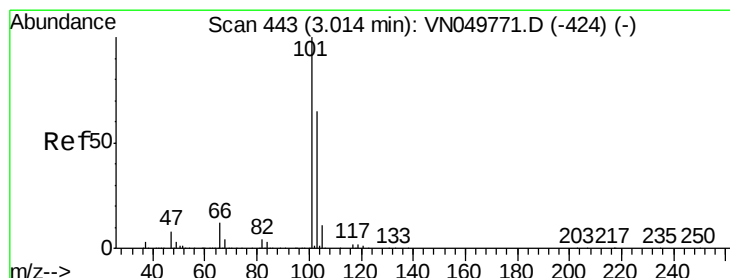
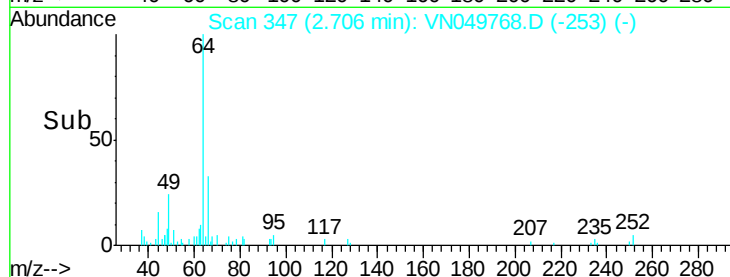
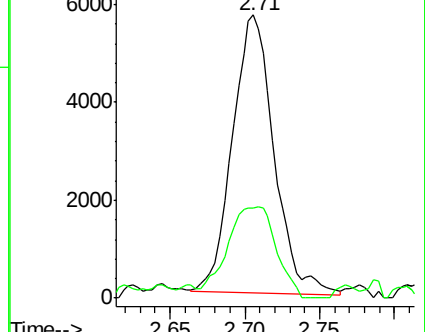
64 100

66 28.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049771.D (-327) (-)

Ion 65.90 (65.60 to 66.60): VN049771.D (-327) (-)



#7

Trichlorofluoromethane

Concen: 1.164 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049768.D

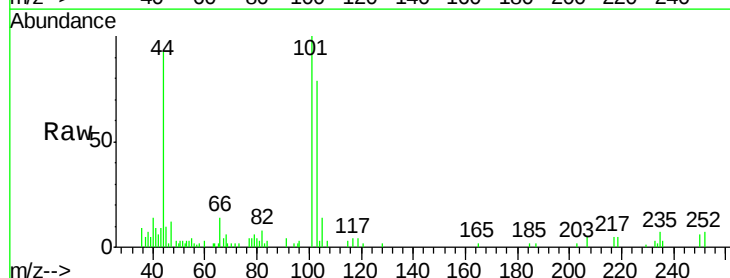
Acq: 12 Jul 2018 10:14

Tgt Ion: 101 Resp: 23056

Ion Ratio Lower Upper

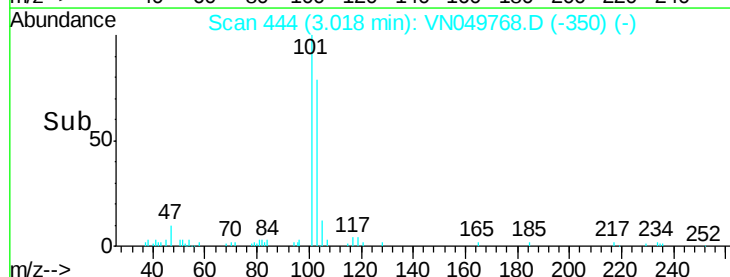
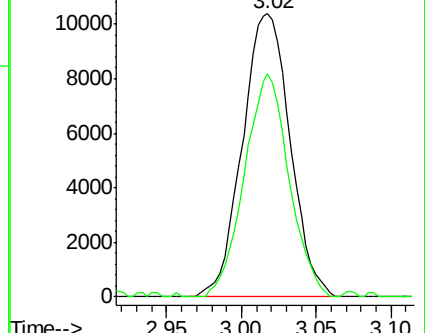
101 100

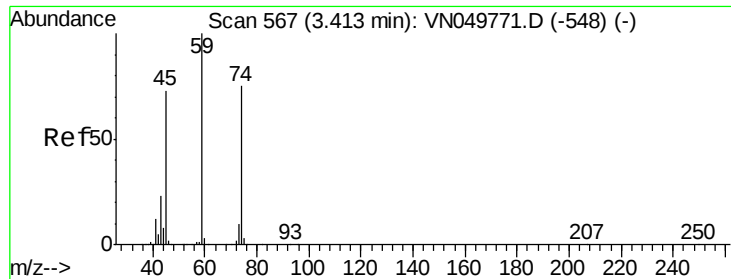
103 79.0 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): VN049771.D (-424) (-)

Ion 102.80 (102.50 to 103.50): VN049771.D (-424) (-)





#8

Diethyl Ether

Concen: 1.135 ug/l

RT: 3.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

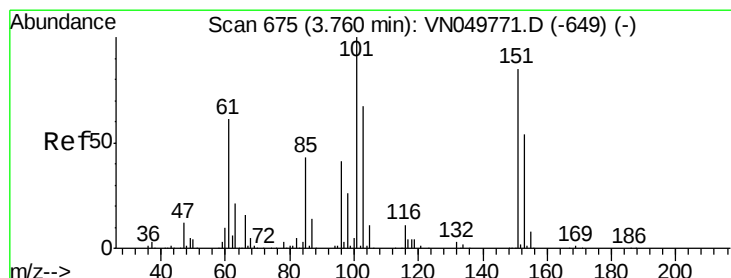
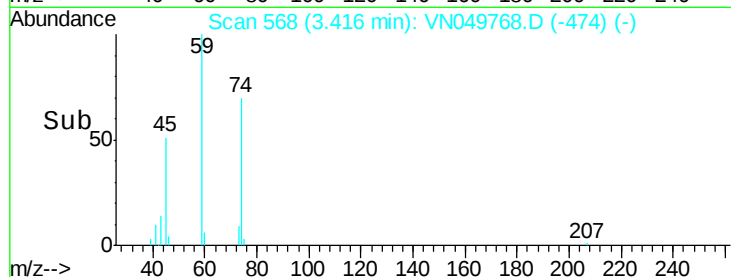
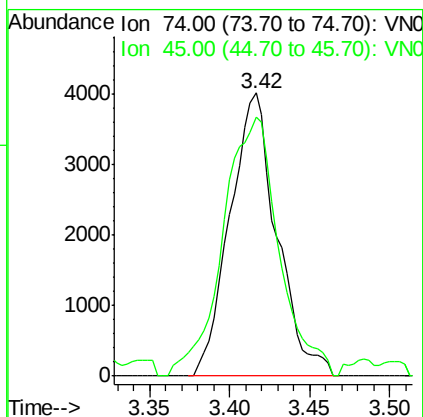
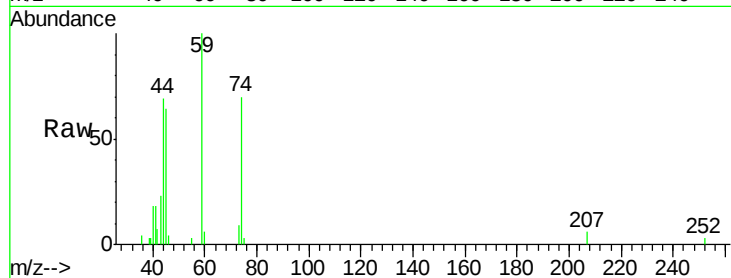
ClientSampled :

Tot Ion: 74 Resp: 8056

Ion Ratio Lower Upper

74 100

45 109.3 48.4 145.2



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.264 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

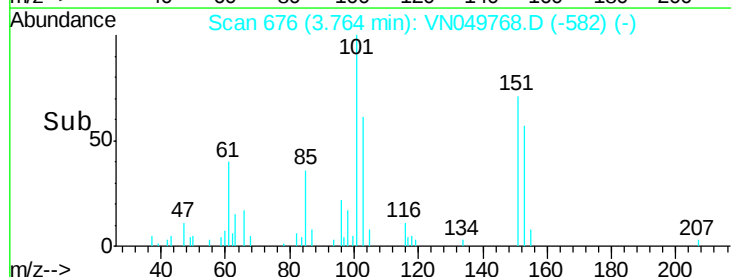
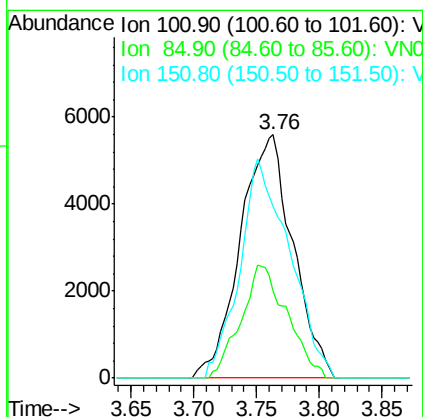
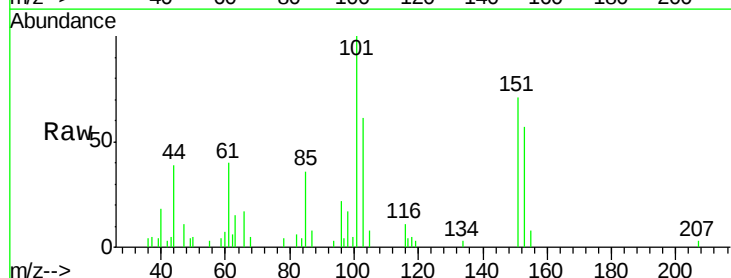
Tgt Ion: 101 Resp: 16247

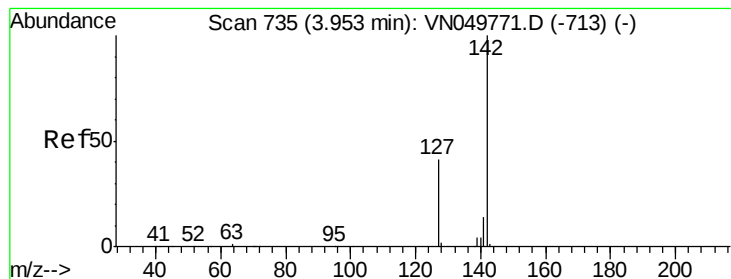
Ion Ratio Lower Upper

101 100

85 40.9 34.4 51.6

151 85.4 66.2 99.4





#10

Methvl Iodide

Concen: 0.753 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

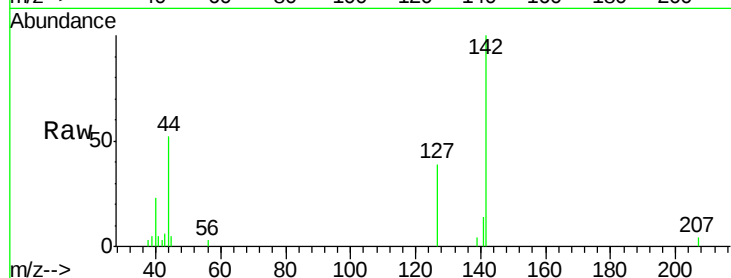
Tot Ion:142 Resp: 12302

Ion Ratio Lower Upper

142 100

127 39.9 32.5 48.7

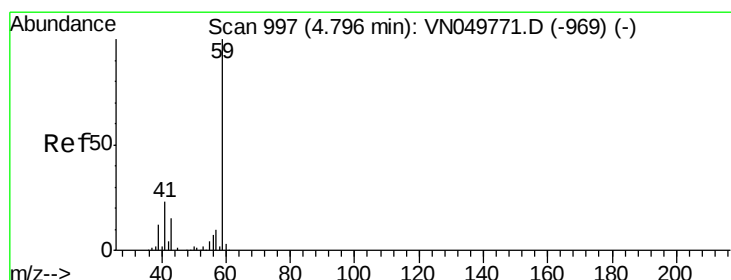
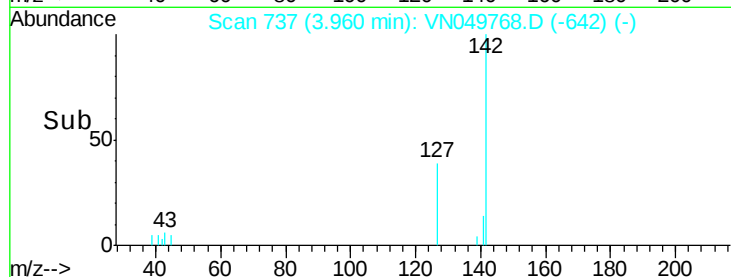
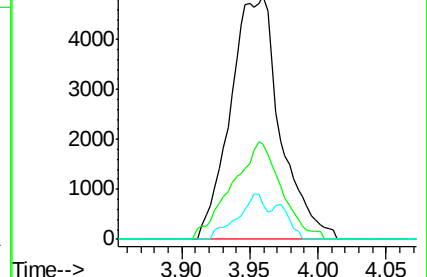
141 10.4 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.914 ug/l

RT: 4.79 min Scan# 994

Delta R.T. -0.01 min

Lab File: VN049768.D

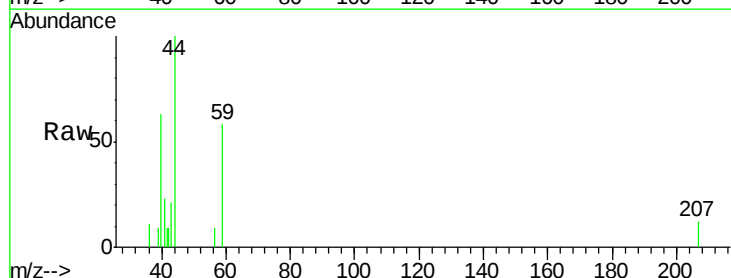
Acq: 12 Jul 2018 10:14

Tgt Ion: 59 Resp: 1557

Ion Ratio Lower Upper

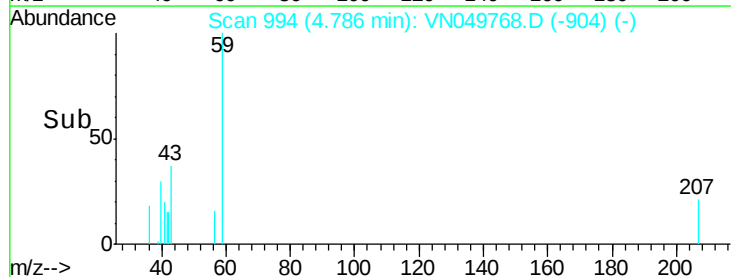
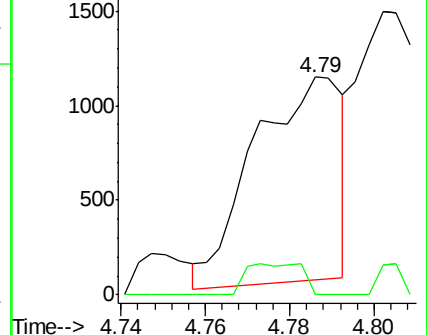
59 100

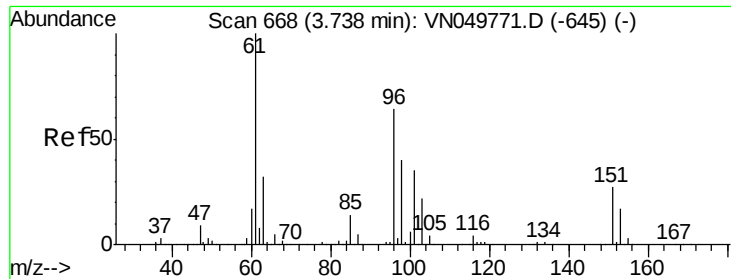
57 9.8 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#12

1,1-Dichloroethene

Concen: 1.206 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

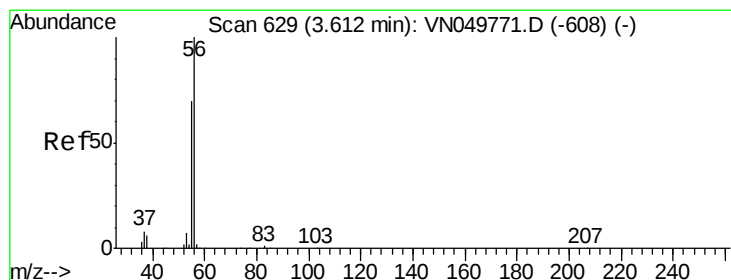
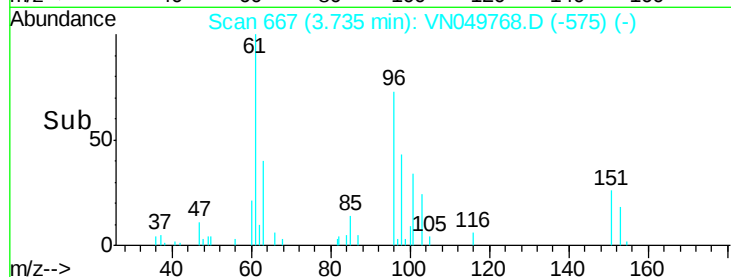
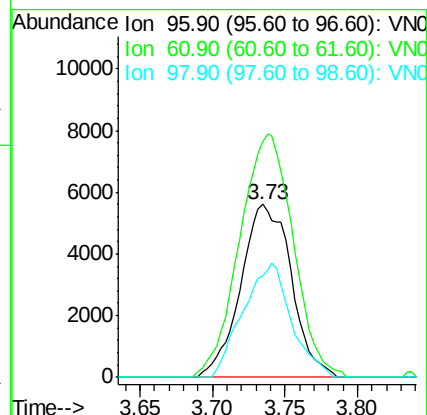
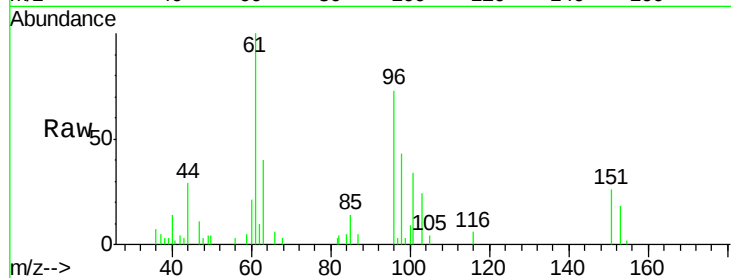
Tot Ion: 96 Resp: 13623

Ion Ratio Lower Upper

96 100

61 136.3 126.5 189.7

98 58.4 51.0 76.6



#13

Acrolein

Concen: 10.248 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN049768.D

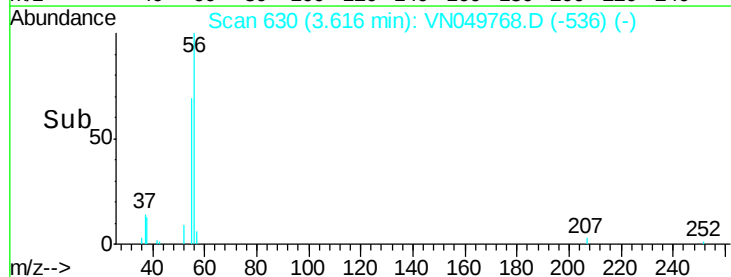
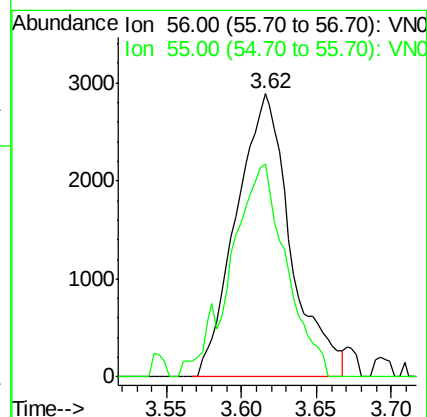
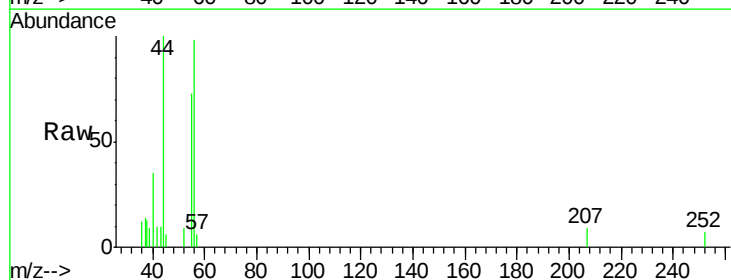
Acq: 12 Jul 2018 10:14

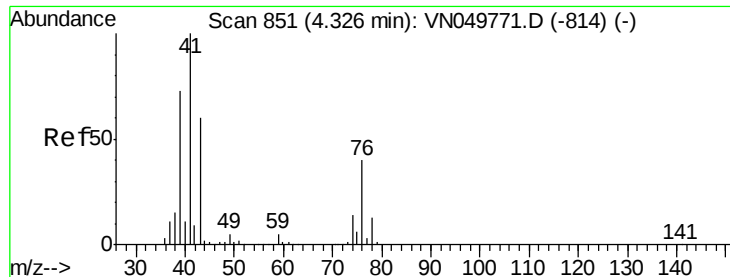
Tgt Ion: 56 Resp: 7321

Ion Ratio Lower Upper

56 100

55 69.1 55.8 83.8





#14

Allvl chloride

Concen: 1.191 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

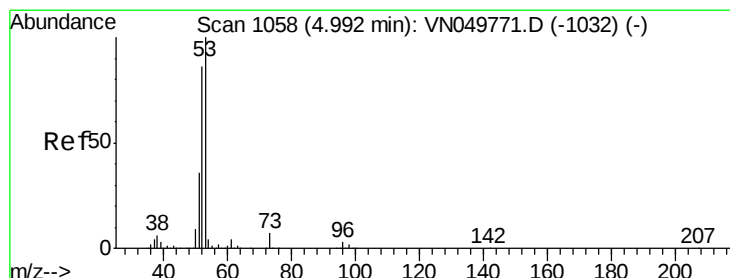
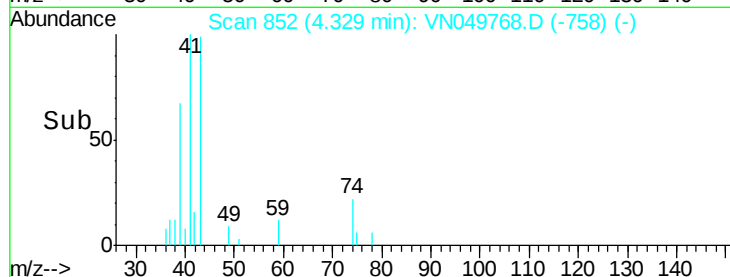
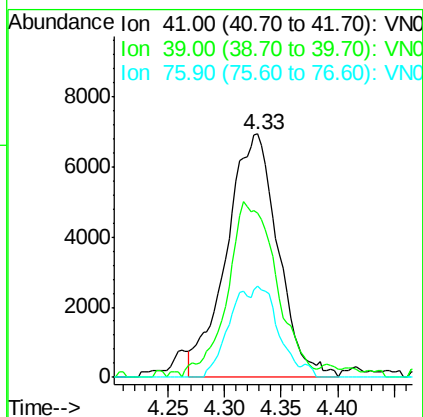
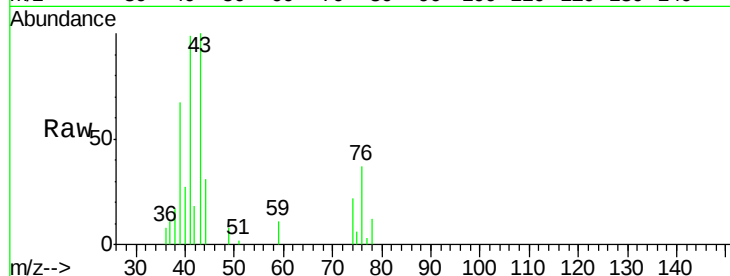
Tot Ion: 41 Resp: 21949

Ion Ratio Lower Upper

41 100

39 68.7 53.2 79.8

76 16.4 29.0 43.6#



#15

Acrylonitrile

Concen: 5.247 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

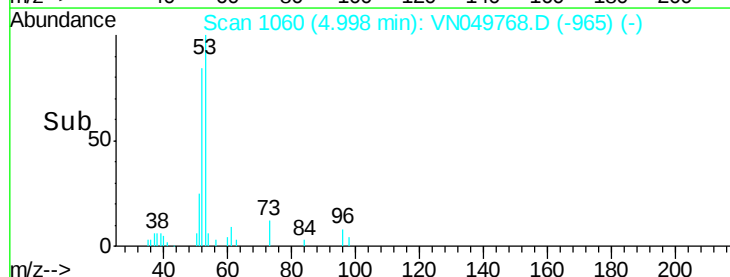
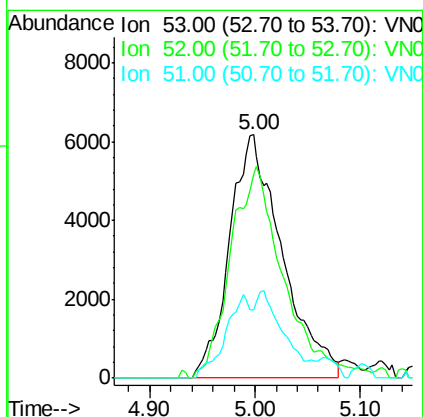
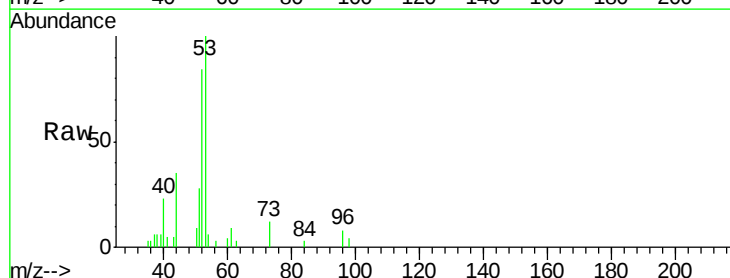
Tgt Ion: 53 Resp: 21374

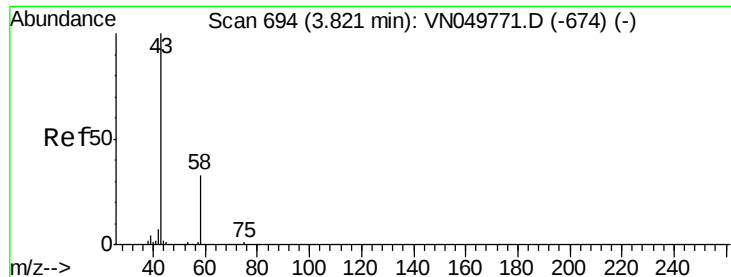
Ion Ratio Lower Upper

53 100

52 87.8 64.8 97.2

51 13.6 28.9 43.3#

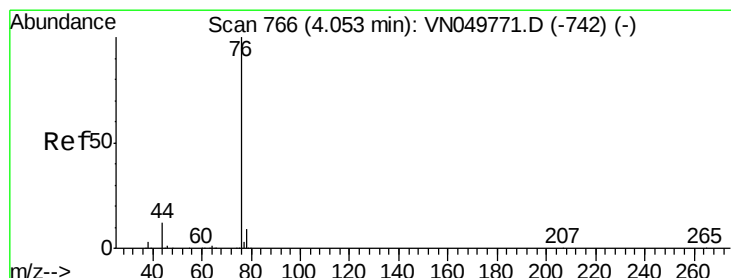
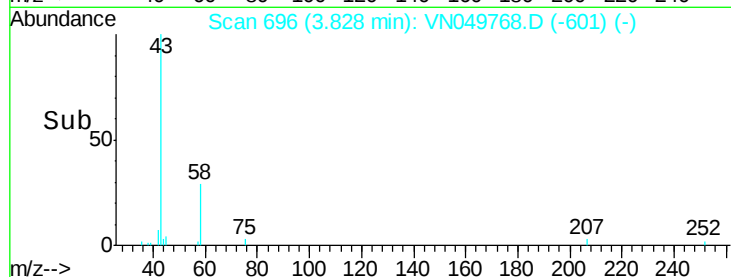
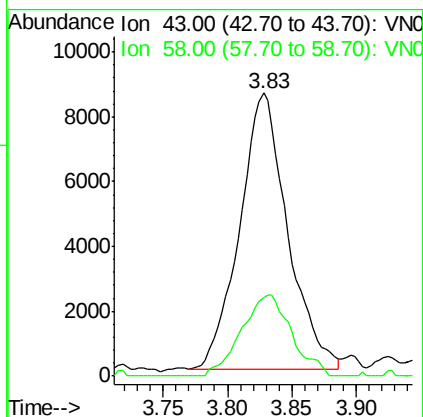
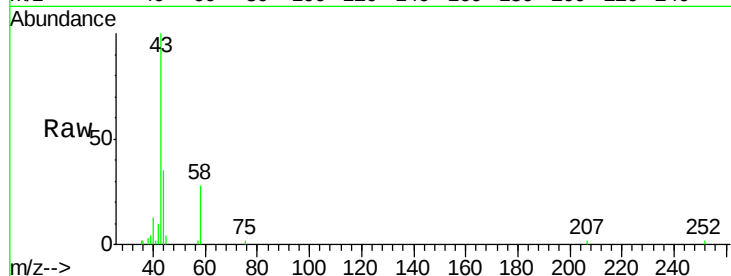




#16
Acetone
Concen: 5.310 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

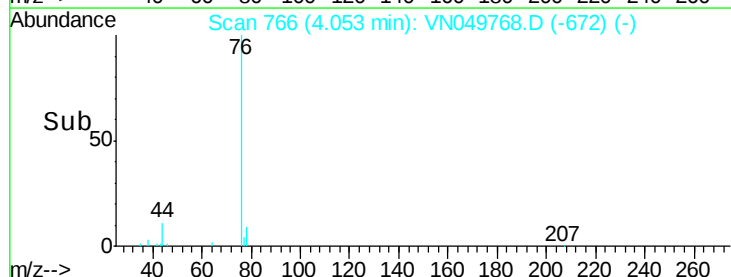
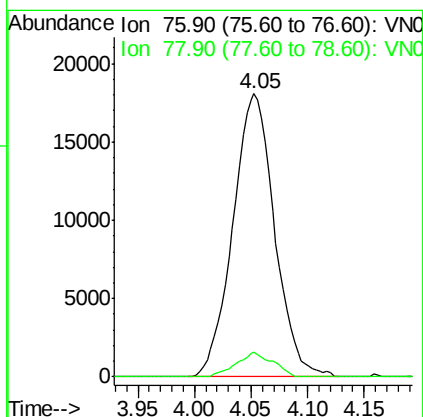
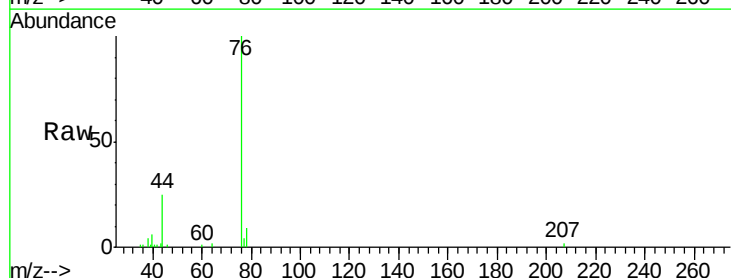
Instrument :
MSVOA_N
ClientSampleId :

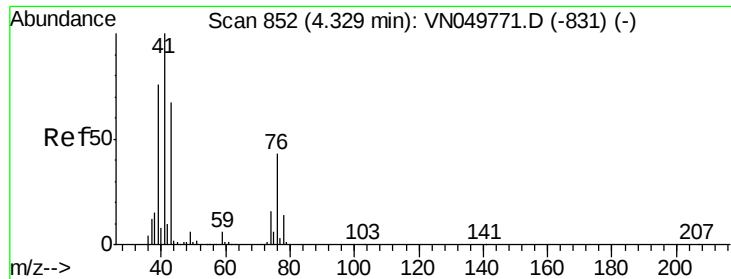
Tot Ion: 43 Resp: 21964
Ion Ratio Lower Upper
43 100
58 28.4 25.9 38.9



#17
Carbon Disulfide
Concen: 1.180 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 76 Resp: 46376
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

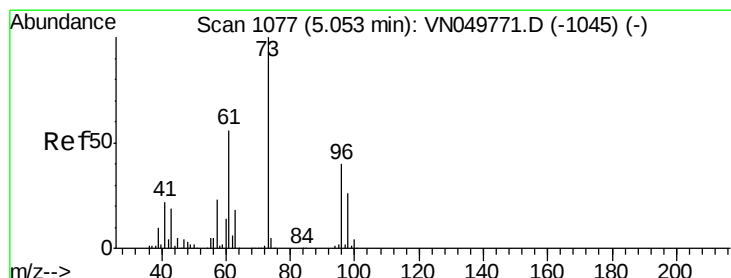
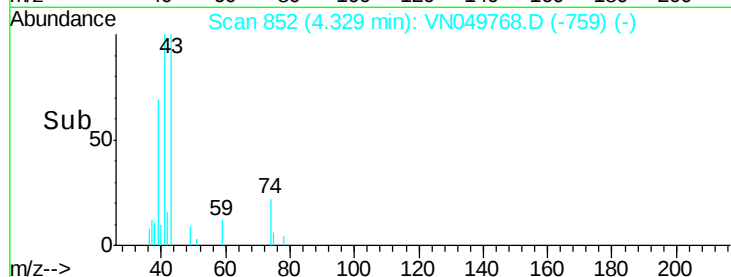
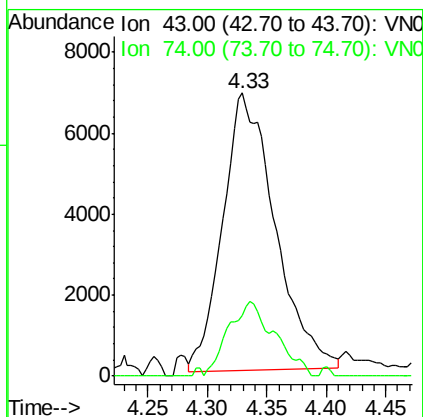
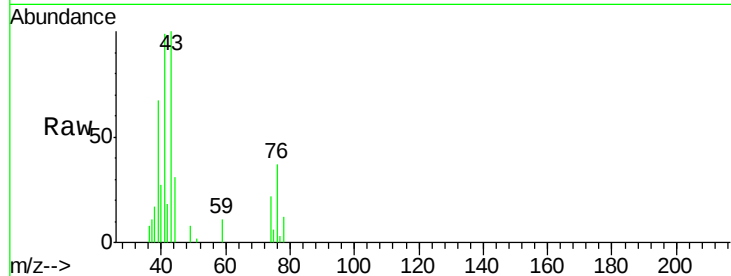




#18
Methvl Acetate
Concen: 1.336 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

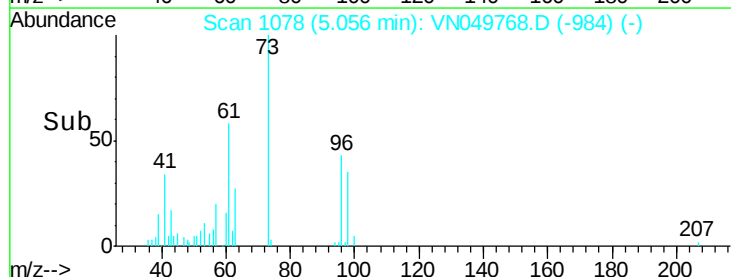
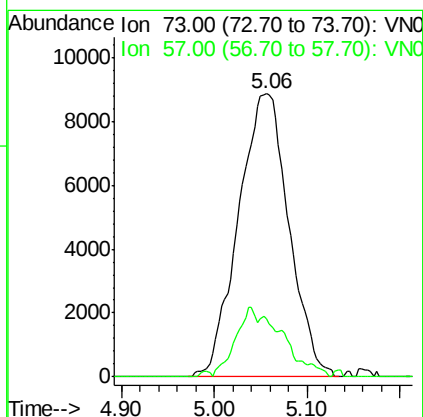
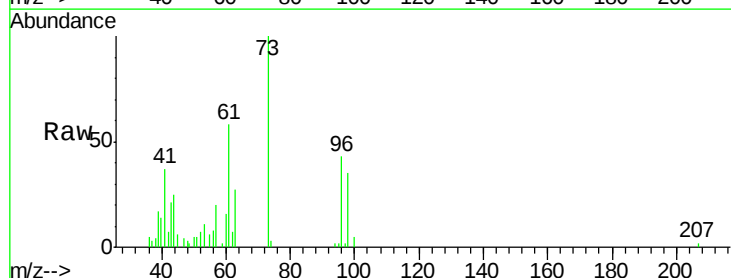
Instrument :
MSVOA_N
ClientSampled :

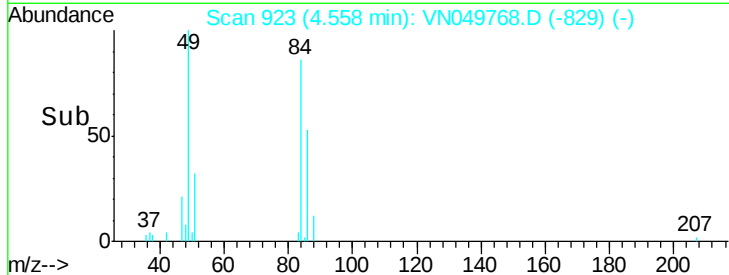
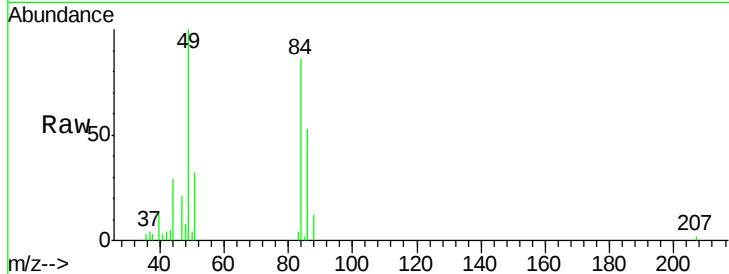
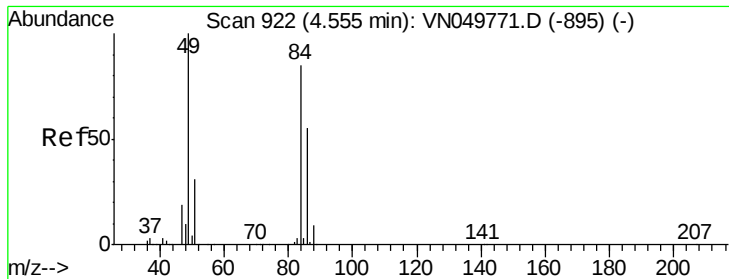
Tot Ion: 43 Resp: 20852
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.8



#19
Methyl tert-butyl Ether
Concen: 1.070 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 73 Resp: 33544
Ion Ratio Lower Upper
73 100
57 20.4 18.1 27.1

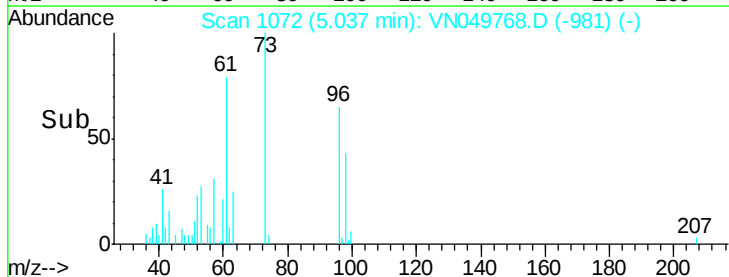
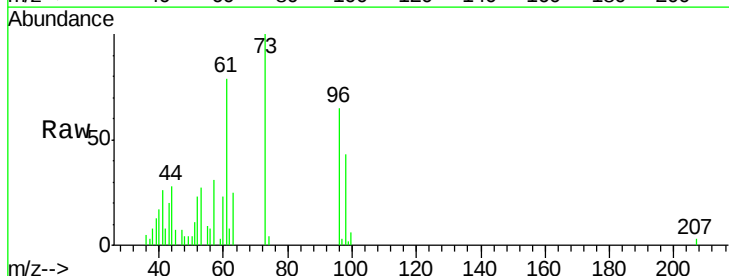
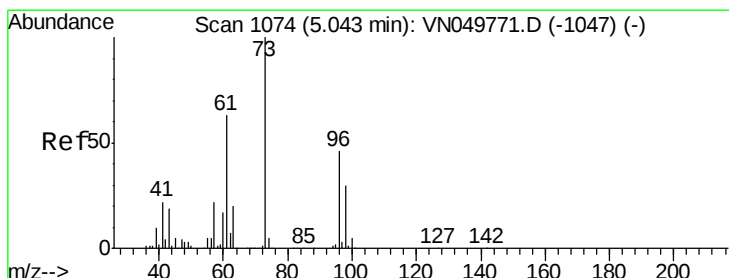
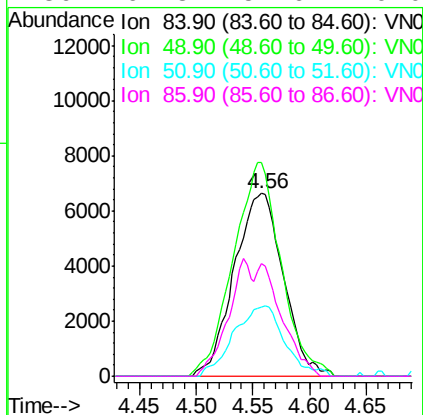




#20
Methvlene Chloride
Concen: 0.707 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

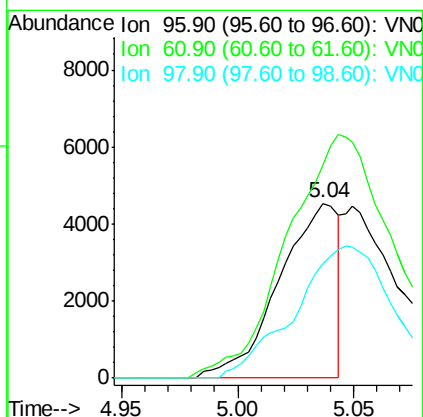
Instrument :
MSVOA_N
ClientSampleId :

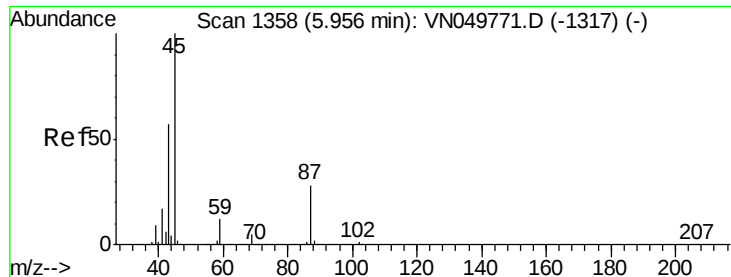
Tot Ion:	84	Resp:	20081
Ion	Ratio	Lower	Upper
84	100		
49	116.8	95.4	143.2
51	37.6	28.4	42.6
86	61.8	52.6	79.0



#21
trans-1,2-Dichloroethene
Concen: 0.647 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion:	96	Resp:	7993
Ion	Ratio	Lower	Upper
96	100		
61	121.9	109.0	163.6
98	65.7	51.1	76.7

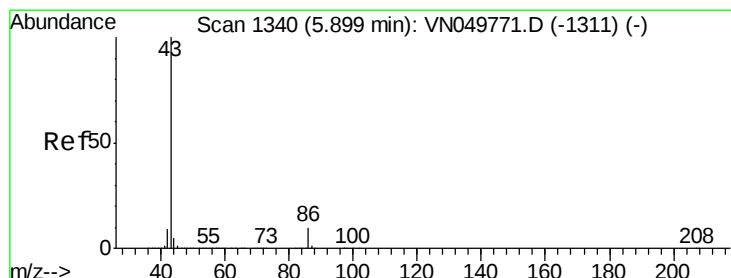
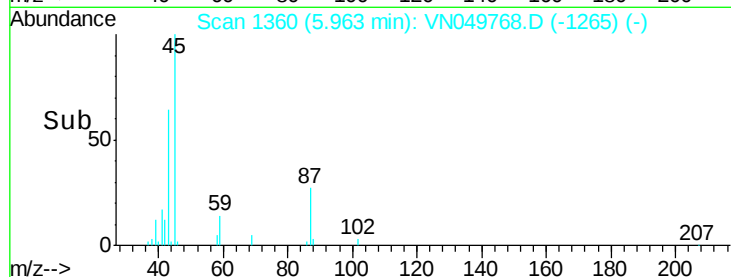
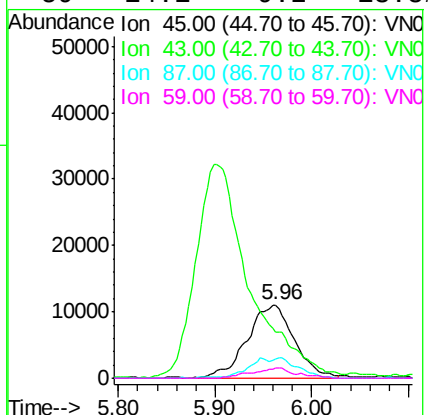
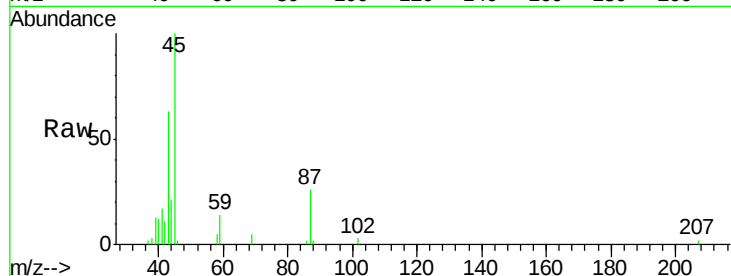




#22
 Diisopropyl ether
 Concen: 0.990 ug/l
 RT: 5.96 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

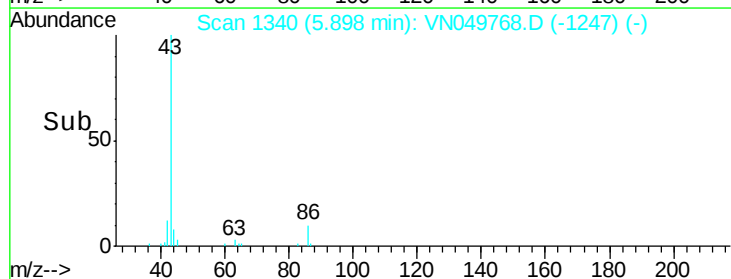
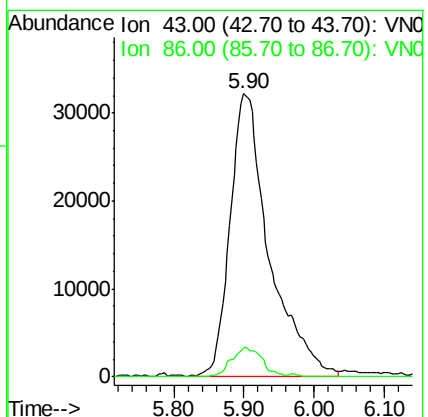
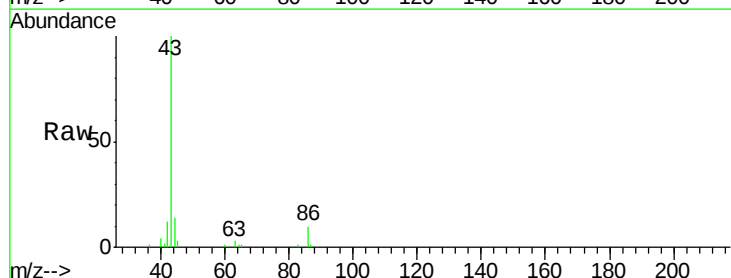
Instrument :
 MSVOA_N
 ClientSampled :

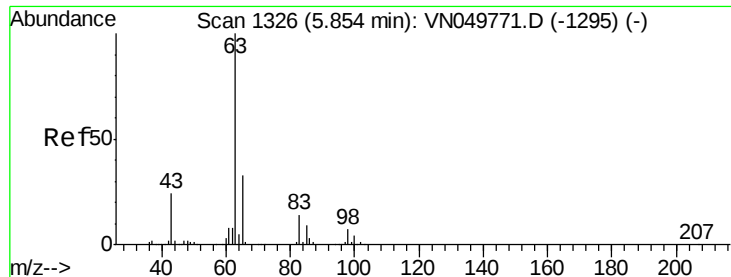
Tot Ion: 45 Resp: 37476
 Ion Ratio Lower Upper
 45 100
 43 55.1 48.1 72.1
 87 26.0 22.6 34.0
 59 14.1 9.2 13.8#



#23
 Vinyl Acetate
 Concen: 4.930 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

Tgt Ion: 43 Resp: 125128
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.4 12.6





#24

1,1-Dichloroethane

Concen: 1.189 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :
MSVOA_N
ClientSampled :

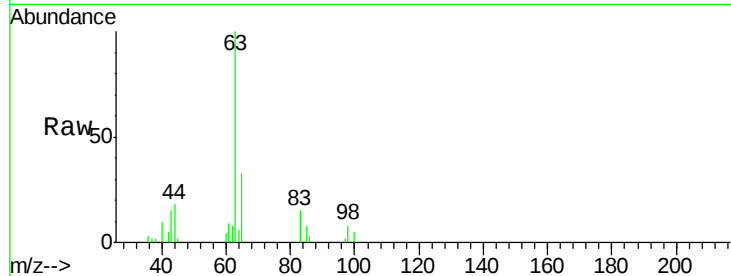
Tot Ion: 63 Resp: 28279

Ion Ratio Lower Upper

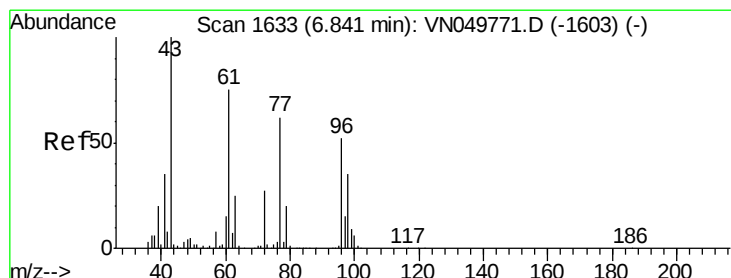
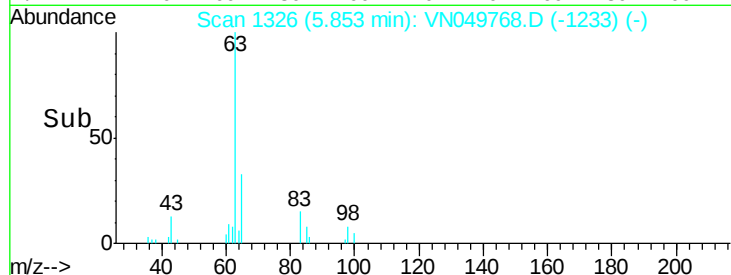
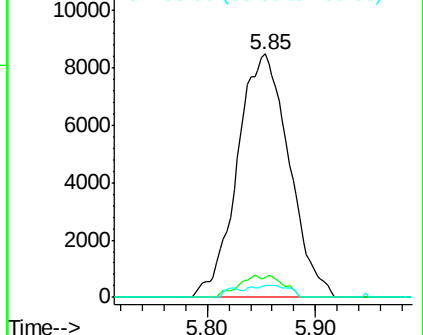
63 100

98 8.0 3.4 10.2

100 4.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 5.364 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049768.D

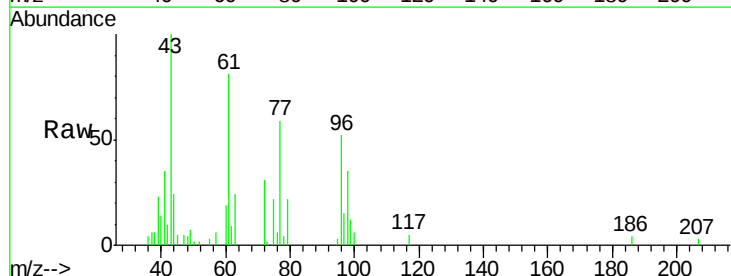
Acq: 12 Jul 2018 10:14

Tgt Ion: 43 Resp: 25403

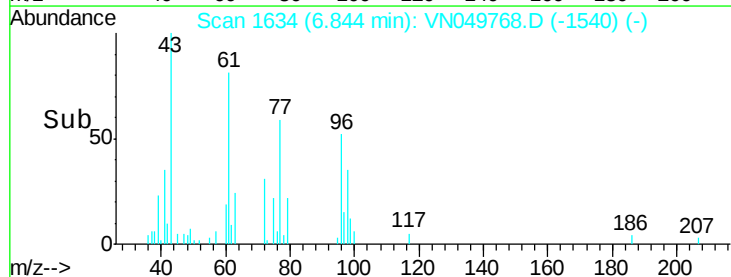
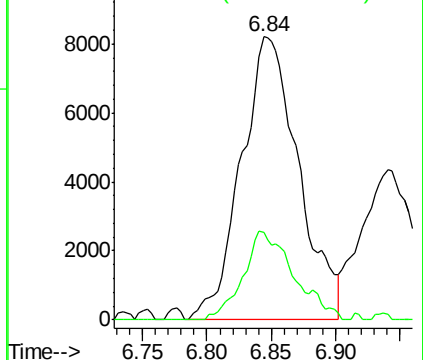
Ion Ratio Lower Upper

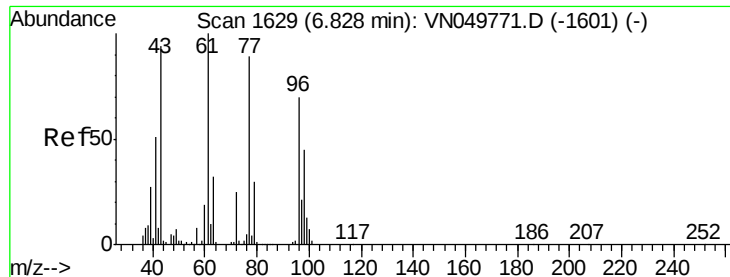
43 100

72 30.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 1.163 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

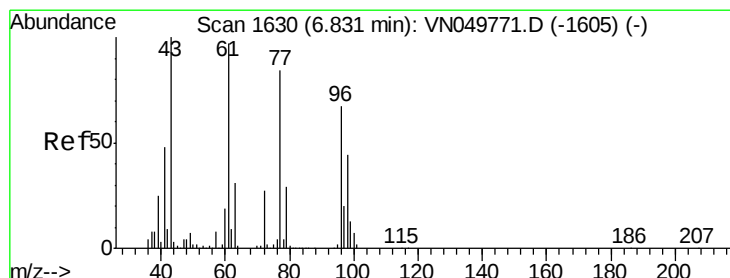
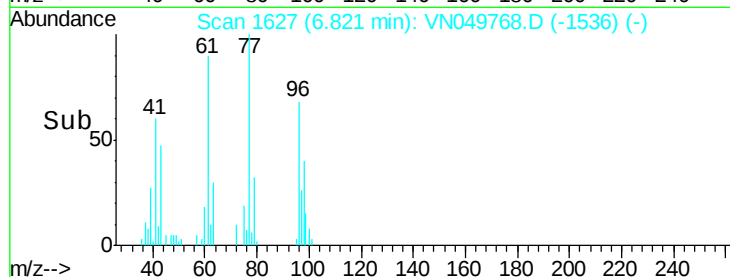
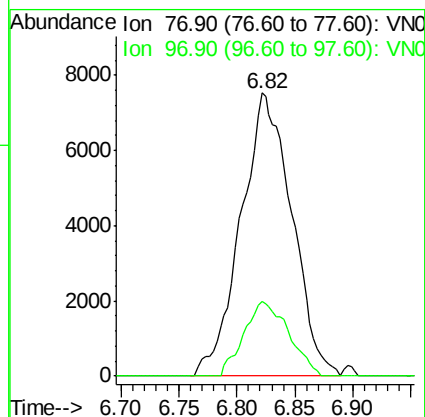
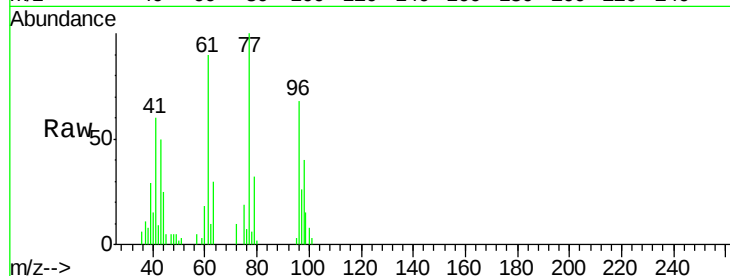
ClientSampleId :

Tot Ion: 77 Resp: 22962

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5



#27

cis-1,2-Dichloroethene

Concen: 1.173 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

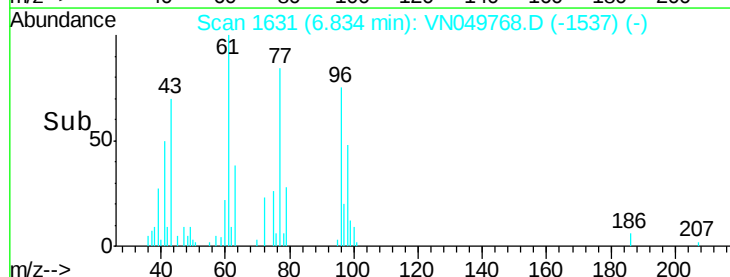
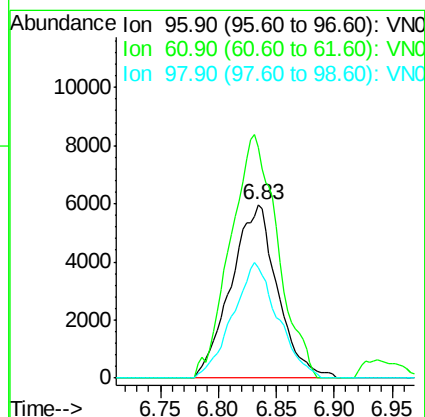
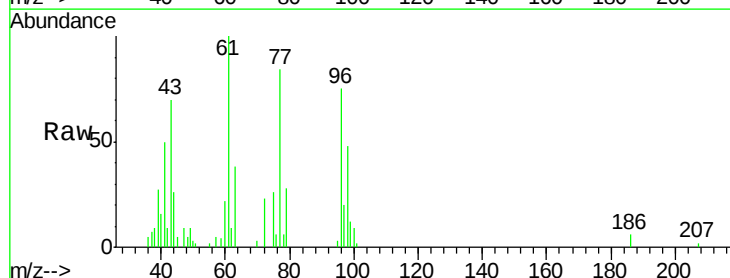
Tgt Ion: 96 Resp: 16570

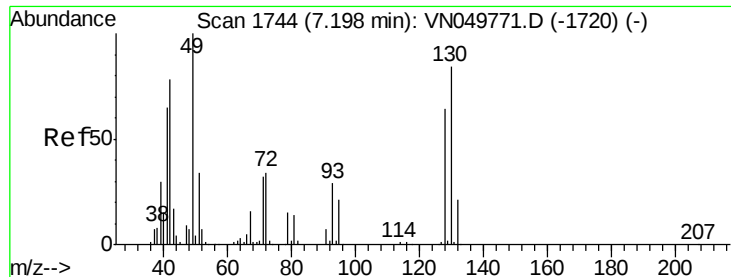
Ion Ratio Lower Upper

96 100

61 142.7 0.0 289.0

98 64.9 0.0 130.2





#28

Bromochloromethane

Concen: 1.141 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :
MSVOA_N
ClientSampled :

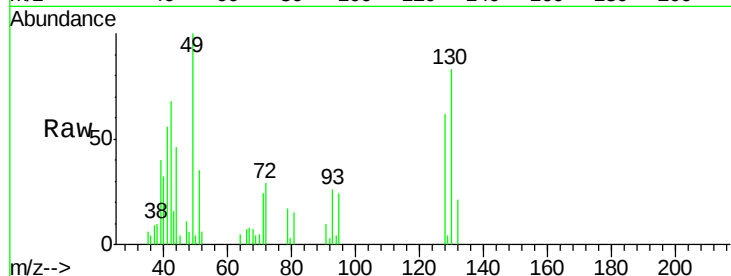
Tot Ion: 49 Resp: 12346

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.2

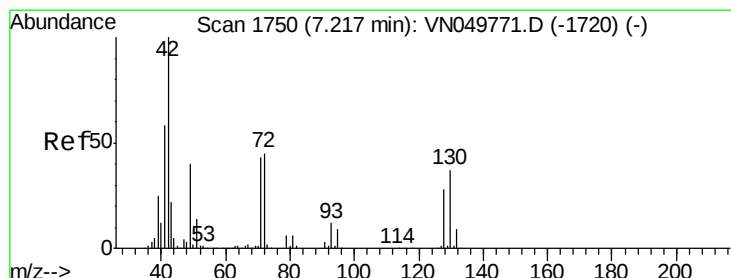
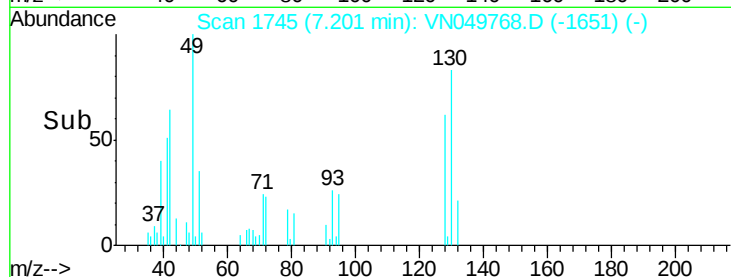
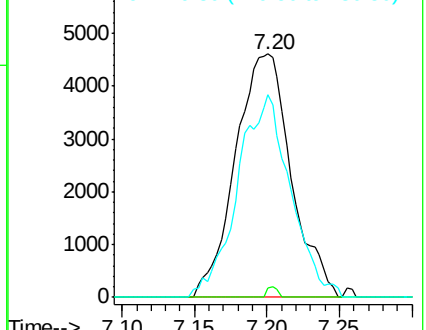
130 79.0 65.5 98.3



Abundance Ion 48.90 (48.60 to 49.60): VNC

Ion 128.80 (128.50 to 129.50): VNC

Ion 129.80 (129.50 to 130.50): VNC



#29

Tetrahydrofuran

Concen: 5.172 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

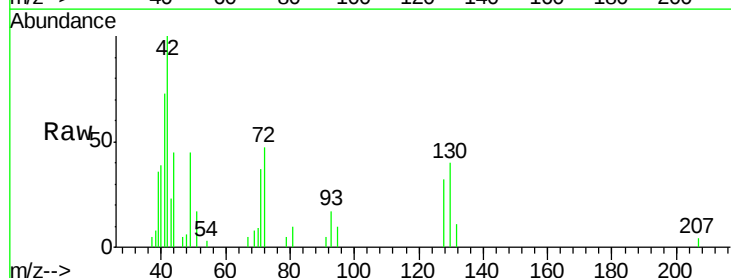
Tgt Ion: 42 Resp: 15381

Ion Ratio Lower Upper

42 100

72 45.9 35.6 53.4

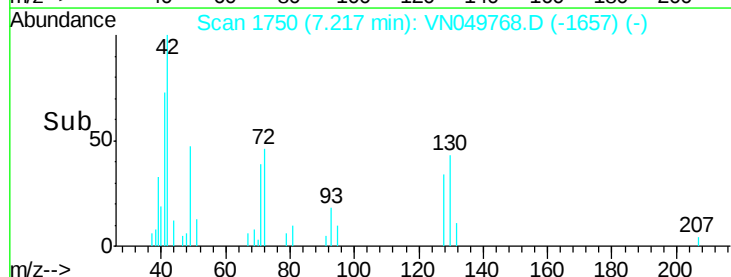
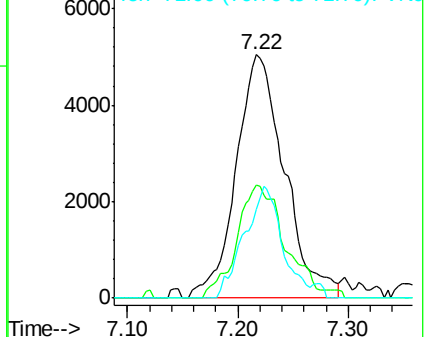
71 35.6 34.0 51.0

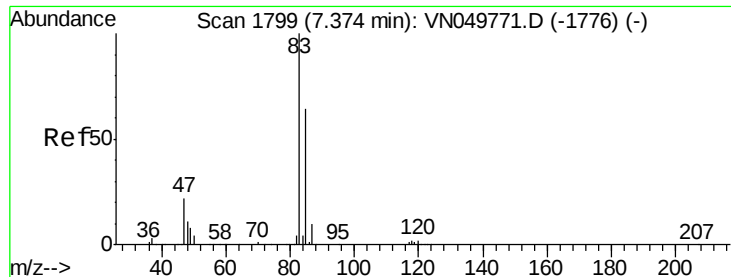


Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC

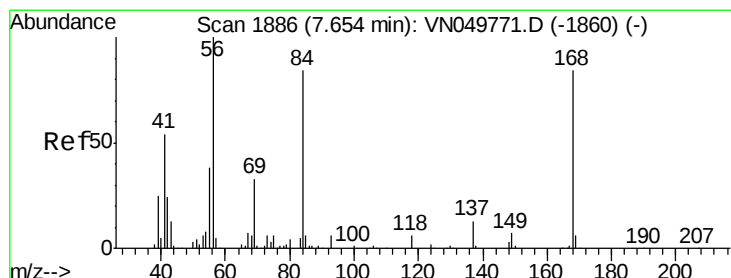
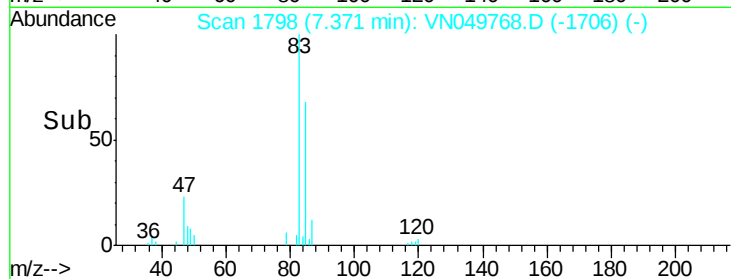
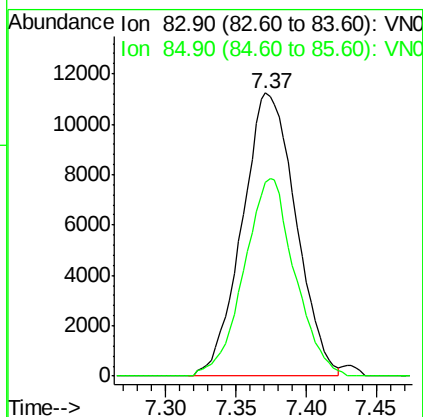
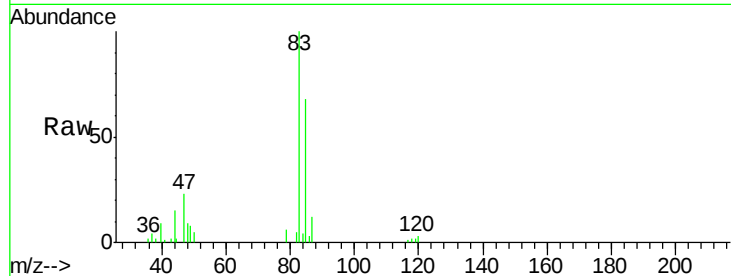




#30
Chloroform
Concen: 1.218 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

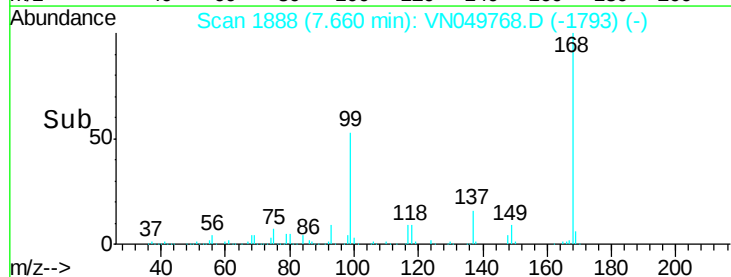
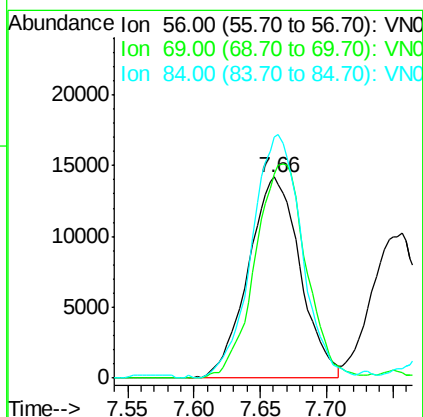
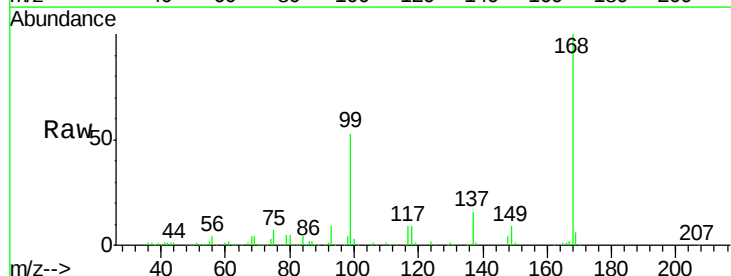
Instrument :
MSVOA_N
ClientSampled :

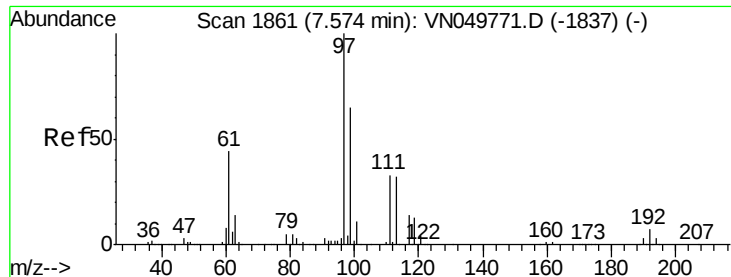
Tot Ion: 83 Resp: 29861
Ion Ratio Lower Upper
83 100
85 68.4 51.4 77.2



#31
Cyclohexane
Concen: 1.796 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 56 Resp: 38659
Ion Ratio Lower Upper
56 100
69 101.5 26.6 40.0#
84 118.5 69.0 103.6#





#32

1,1,1-Trichloroethane

Concen: 1.195 ug/l

RT: 7.58 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

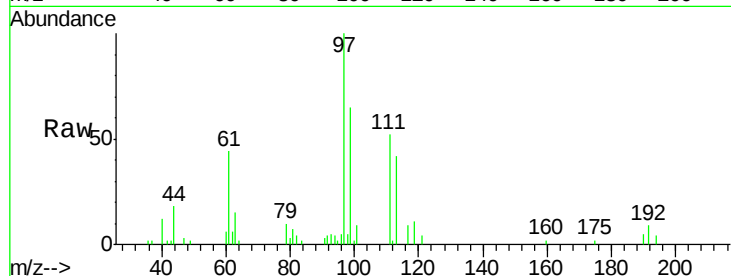
Tot Ion: 97 Resp: 24879

Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

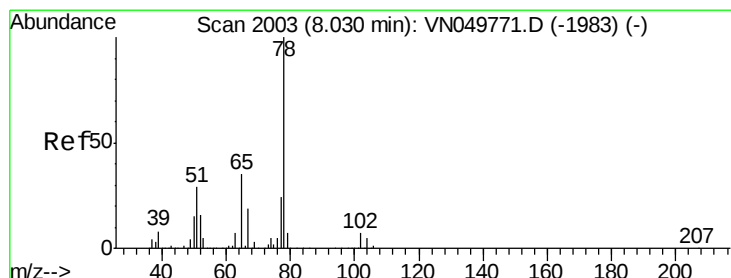
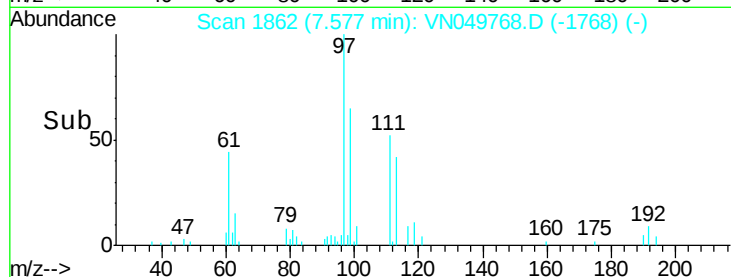
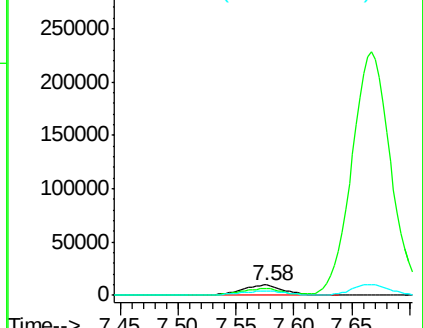
61 47.2 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN049768.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049768.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049768.D (-1768) (-)



#33

1,2-Dichloroethane-d4

Concen: 1.674 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049768.D

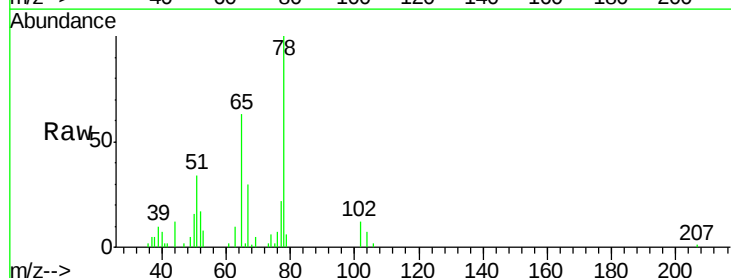
Acq: 12 Jul 2018 10:14

Tgt Ion: 65 Resp: 20339

Ion Ratio Lower Upper

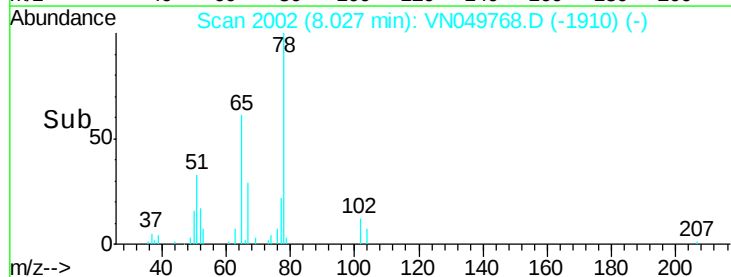
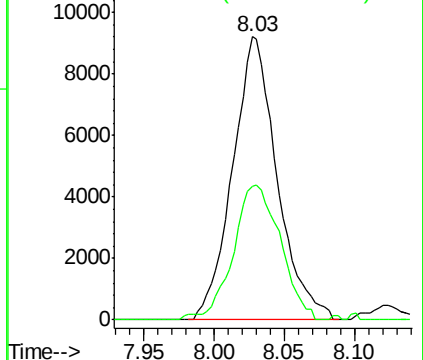
65 100

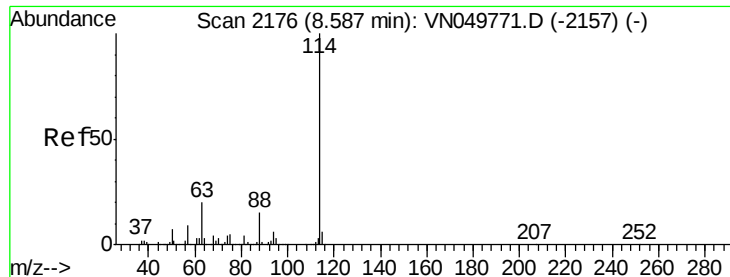
67 50.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049768.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049768.D (-1910) (-)

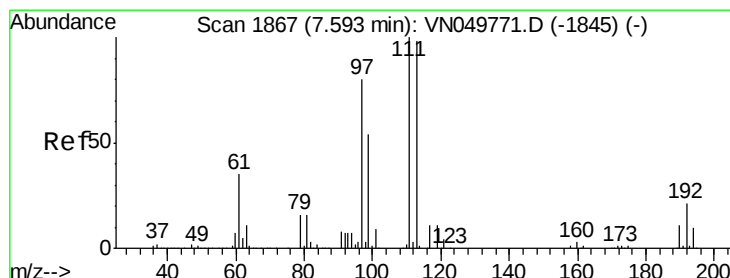
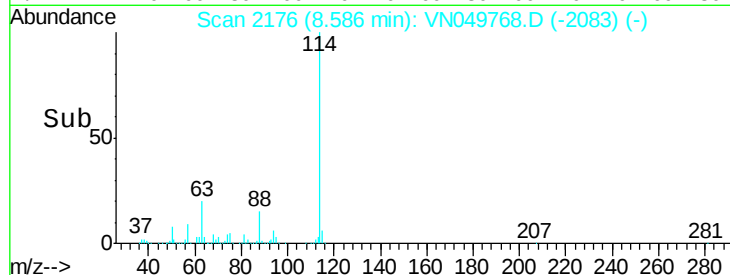
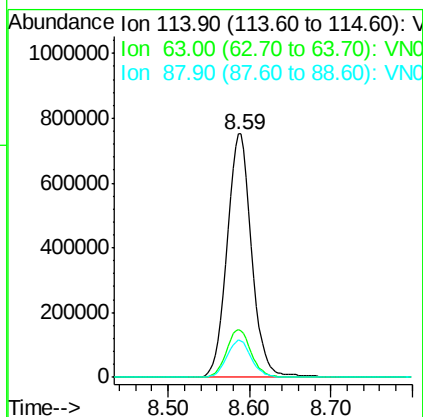
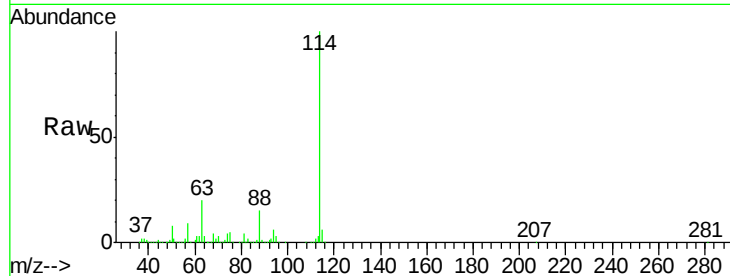




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

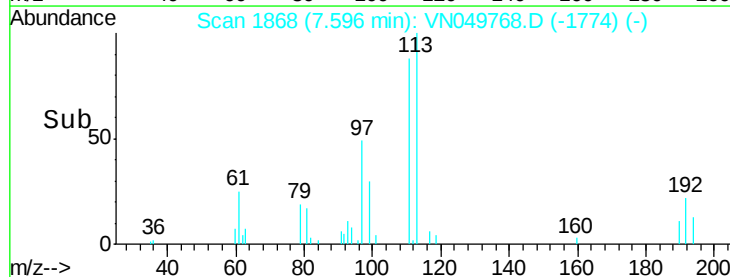
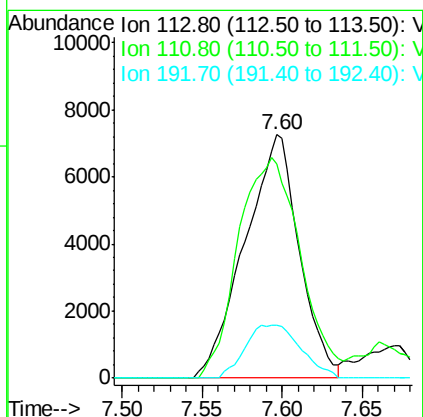
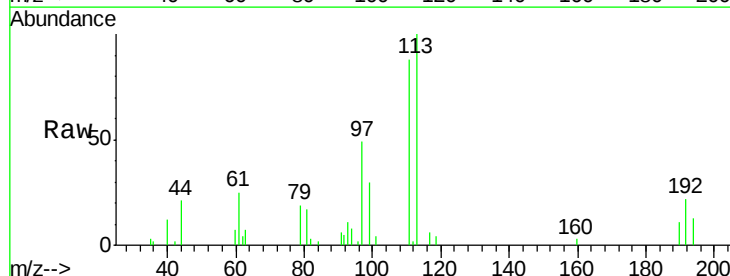
Instrument :
 MSVOA_N
 ClientSampleId :

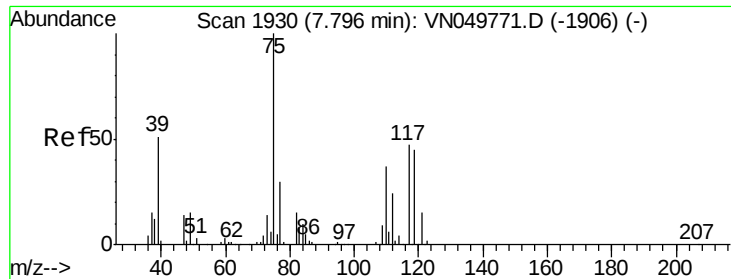
Tot Ion:114 Resp: 1598191
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.2 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 1.410 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

Tgt Ion:113 Resp: 16990
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 22.2 17.8 26.6

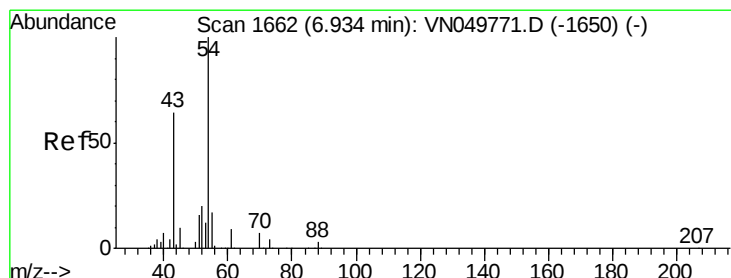
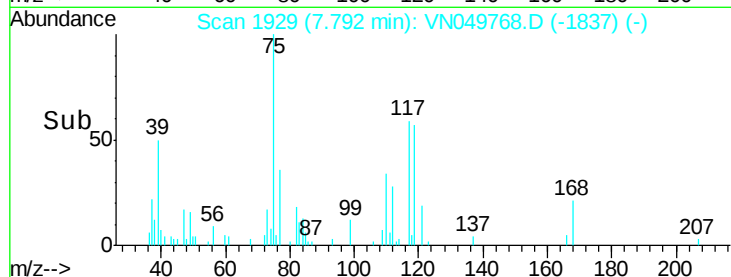
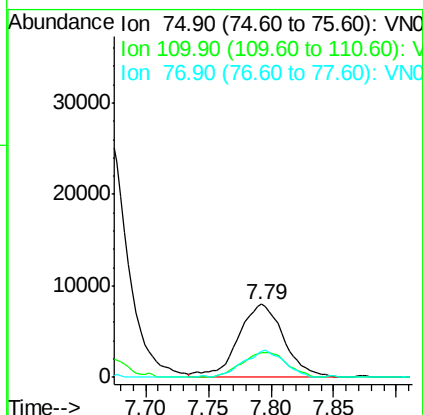
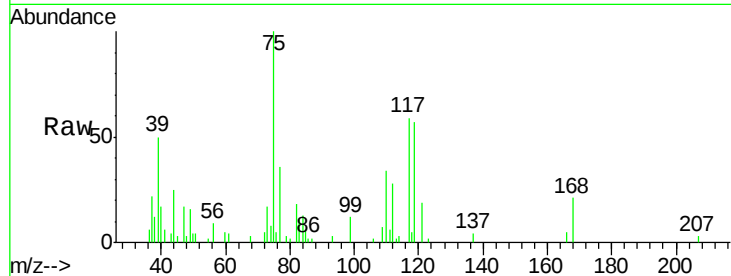




#36
 1,1-Dichloropropene
 Concen: 1.100 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

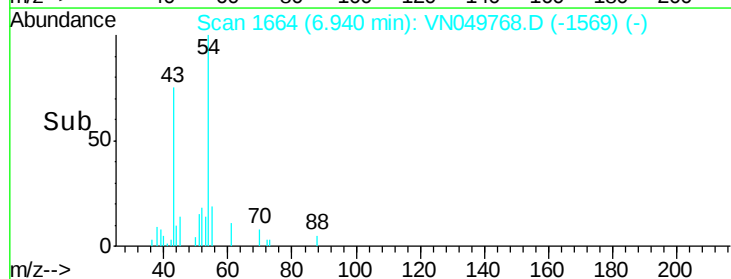
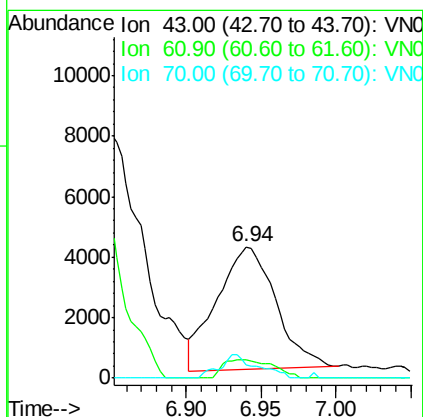
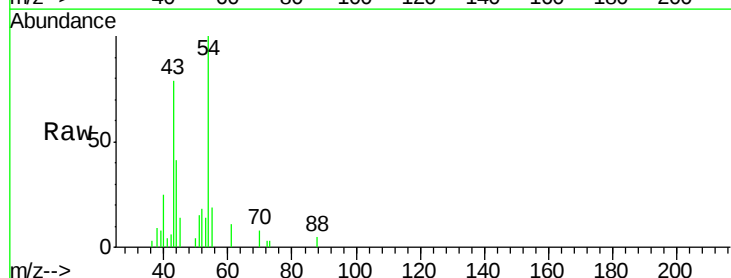
Instrument :
 MSVOA_N
 ClientSampleId :

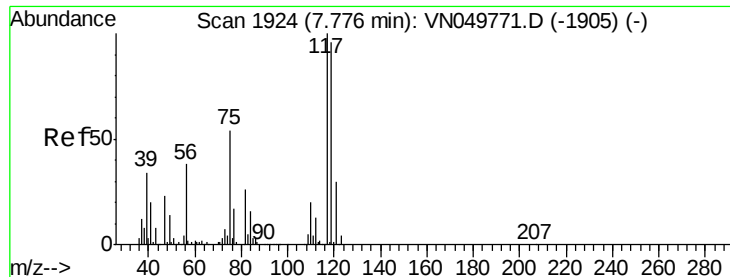
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	18.1	54.4
77	32.6	24.9	37.3



#37
 Ethyl Acetate
 Concen: 1.032 ug/l
 RT: 6.94 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.7	17.5
70	11.9	8.4	12.6

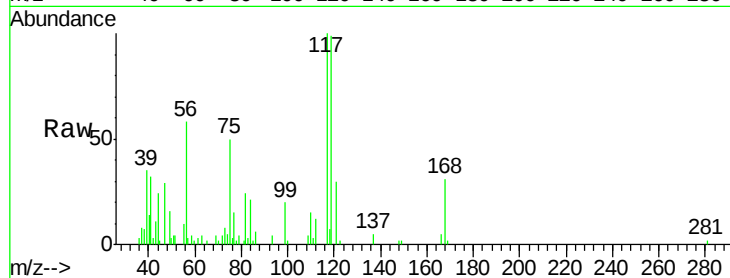




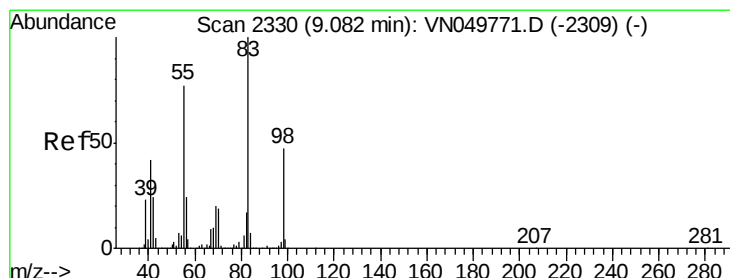
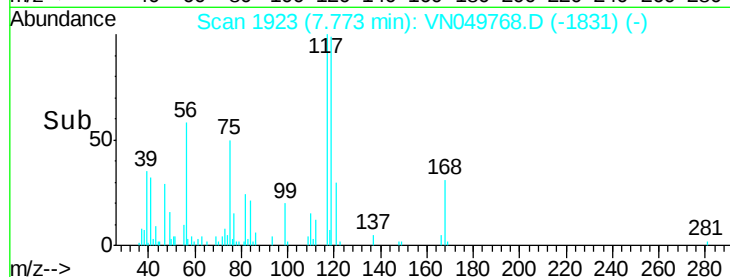
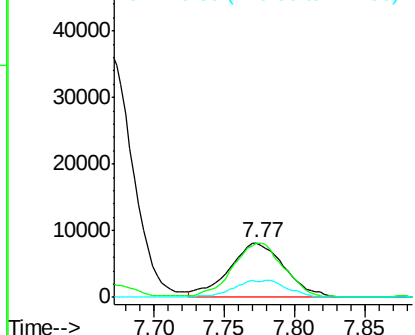
#38
Carbon Tetrachloride
Concen: 1.167 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 22477
Ion Ratio Lower Upper
117 100
119 98.8 77.2 115.8
121 29.5 25.0 37.6

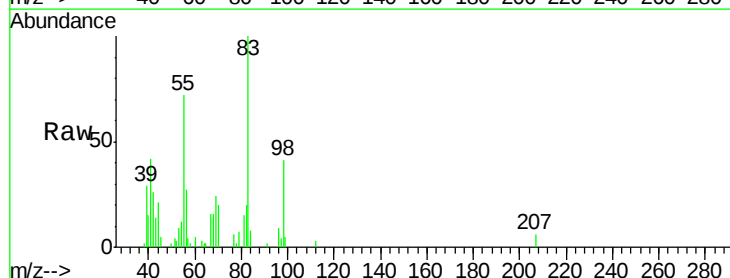


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

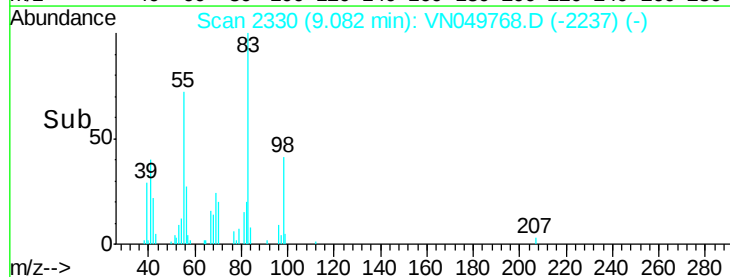
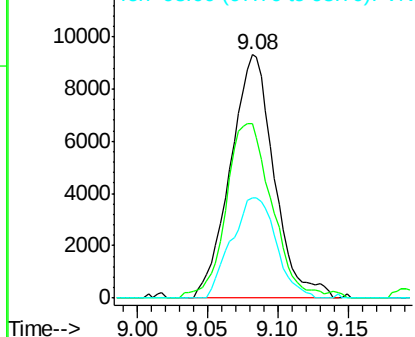


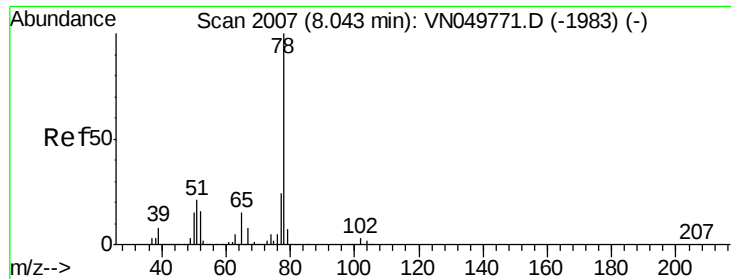
#39
Methylcyclohexane
Concen: 1.038 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 83 Resp: 20149
Ion Ratio Lower Upper
83 100
55 69.7 59.7 89.5
98 41.2 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 1.082 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

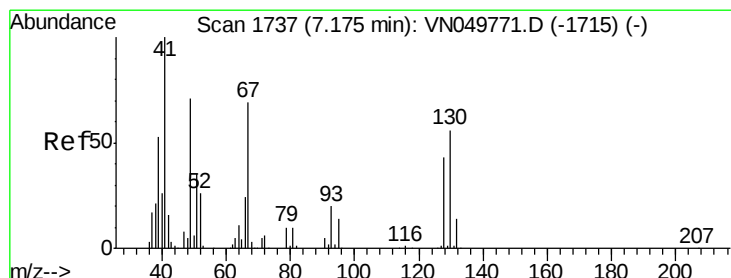
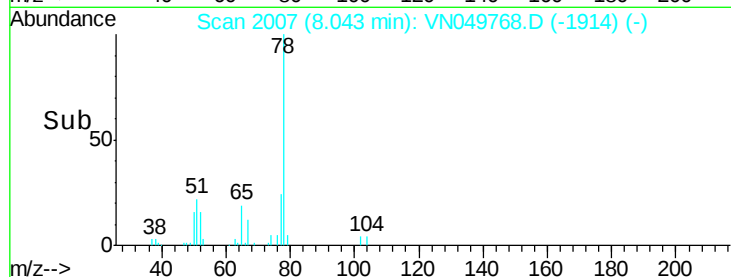
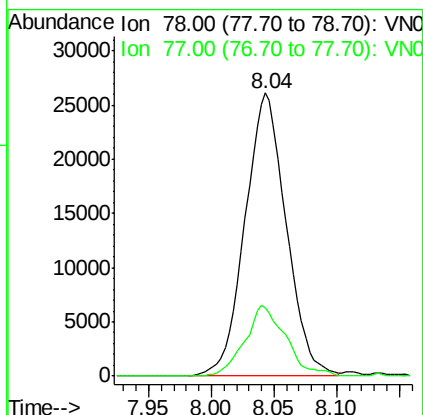
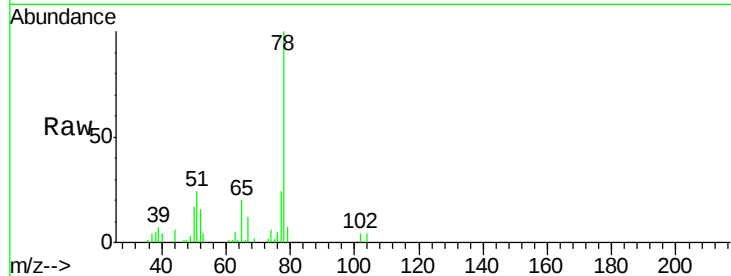
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 59633

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.4



#41

Methacrylonitrile

Concen: 1.160 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Tgt Ion: 41 Resp: 7154

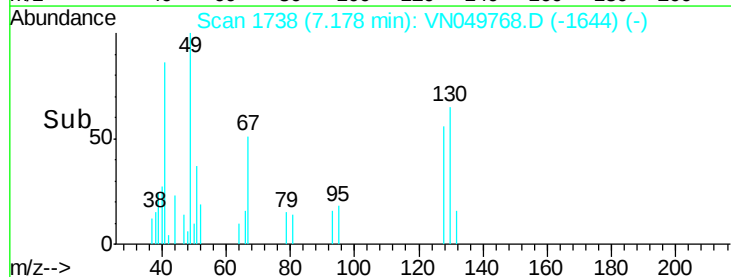
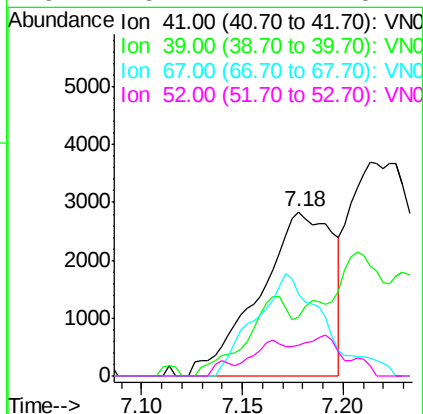
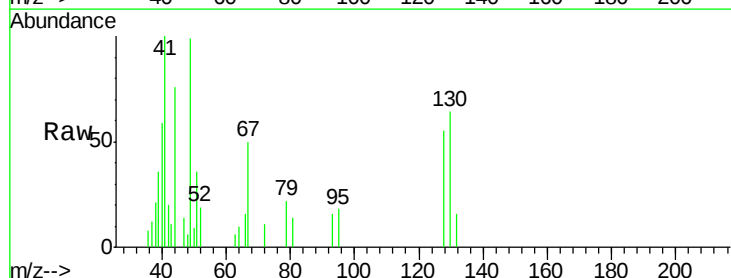
Ion Ratio Lower Upper

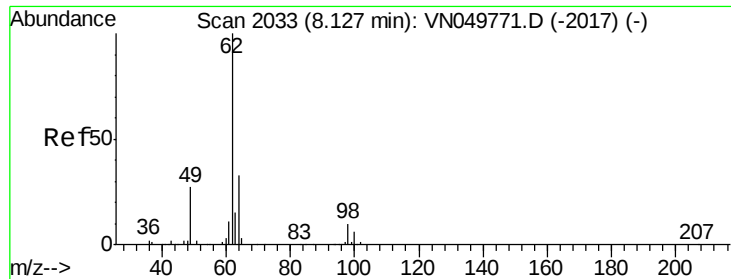
41 100

39 29.2 45.4 68.2#

67 58.9 65.4 98.0#

52 8.4 24.7 37.1#





#42

1,2-Dichloroethane

Concen: 1.139 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

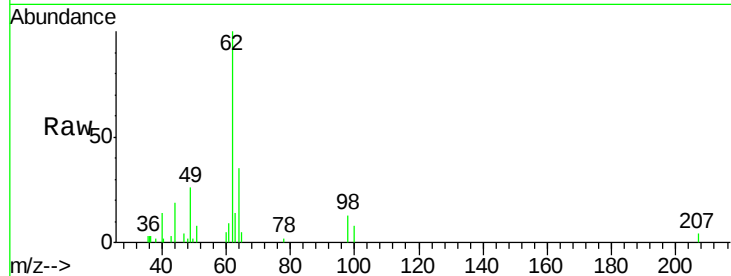
ClientSampled :

Tot Ion: 62 Resp: 20520

Ion Ratio Lower Upper

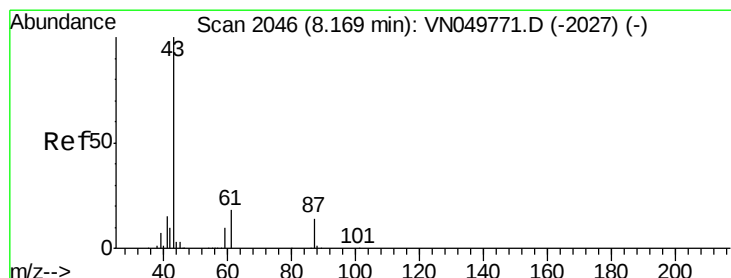
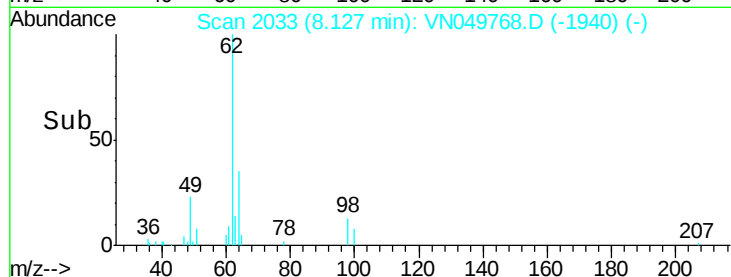
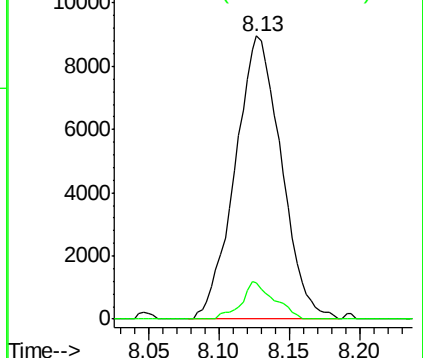
62 100

98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 1.000 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

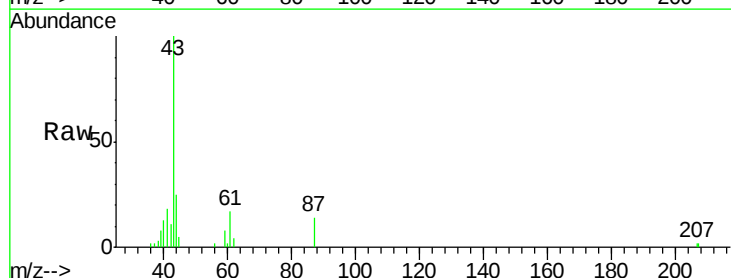
Tgt Ion: 43 Resp: 19595

Ion Ratio Lower Upper

43 100

61 18.9 14.9 22.3

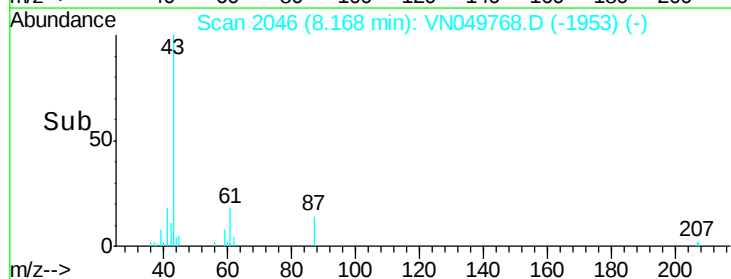
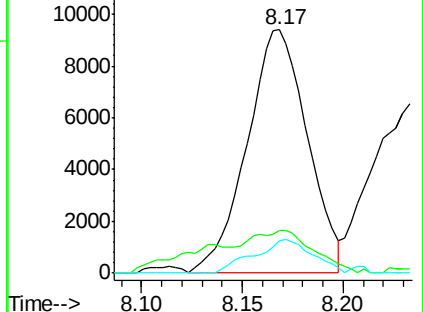
87 13.4 10.0 15.0

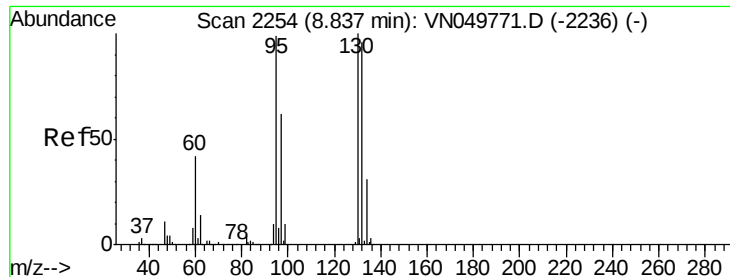


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 1.167 ug/l

RT: 8.83 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

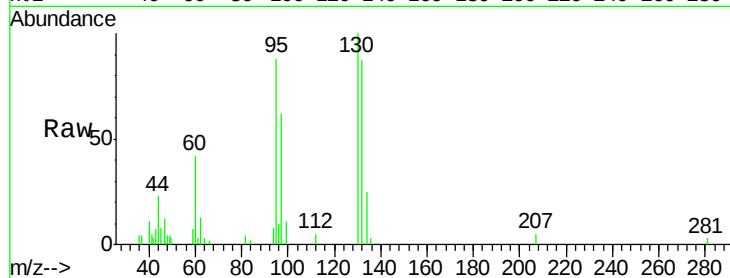
ClientSampleId :

Tot Ion:130 Resp: 17318

Ion Ratio Lower Upper

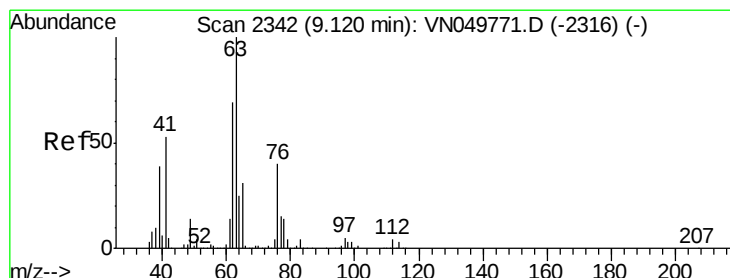
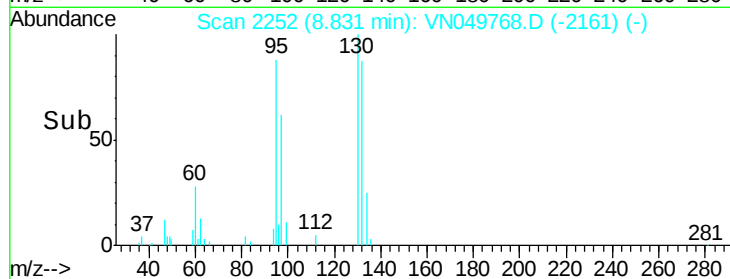
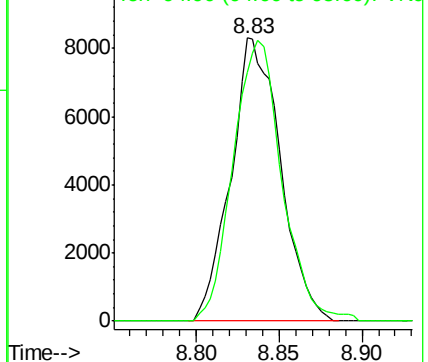
130 100

95 87.9 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 1.099 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049768.D

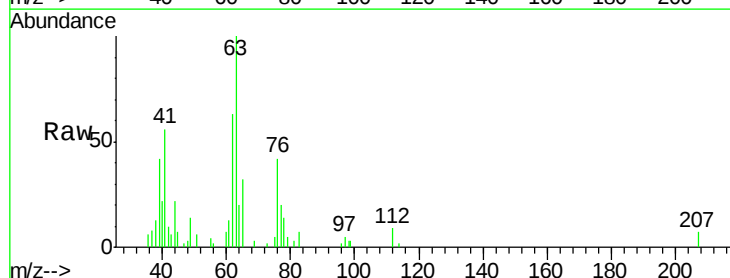
Acq: 12 Jul 2018 10:14

Tgt Ion: 63 Resp: 16265

Ion Ratio Lower Upper

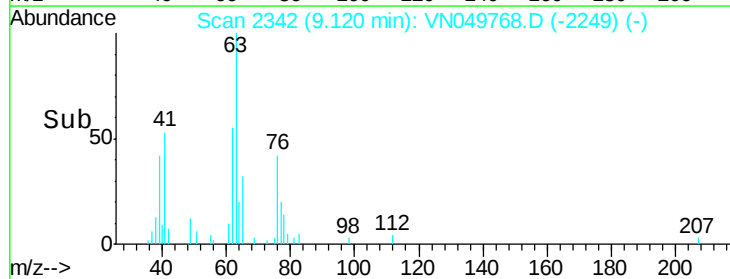
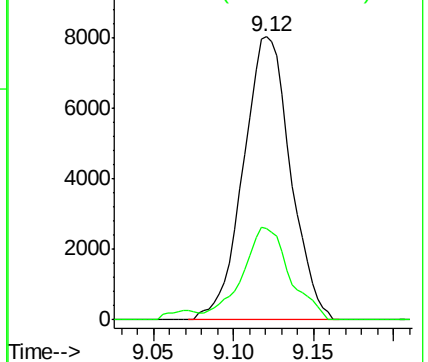
63 100

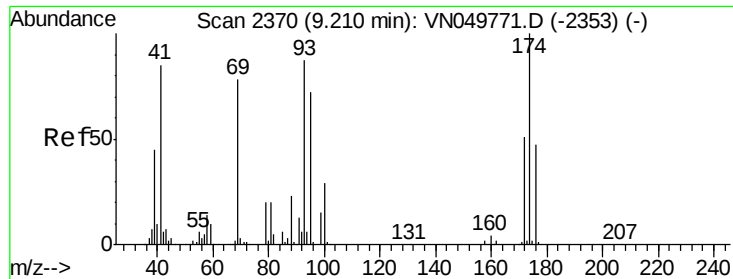
65 32.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

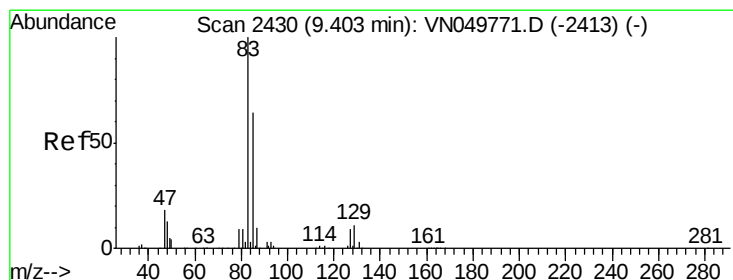
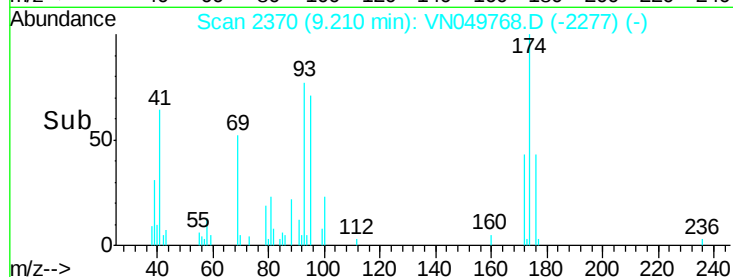
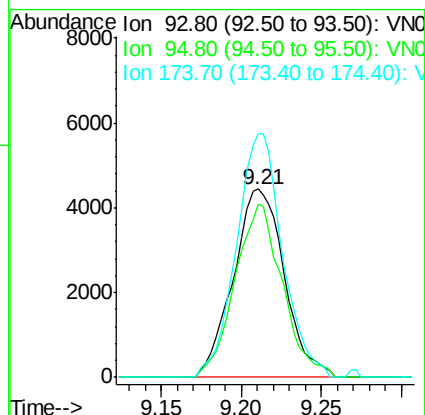
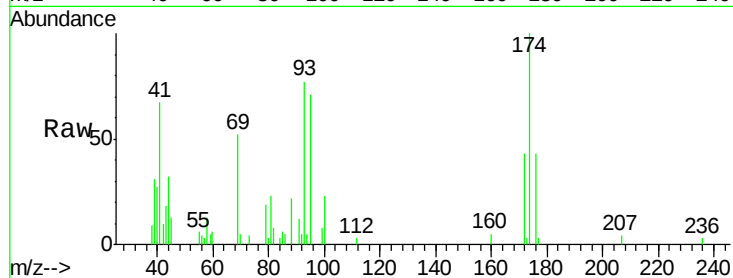




#46
Dibromomethane
Concen: 1.101 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

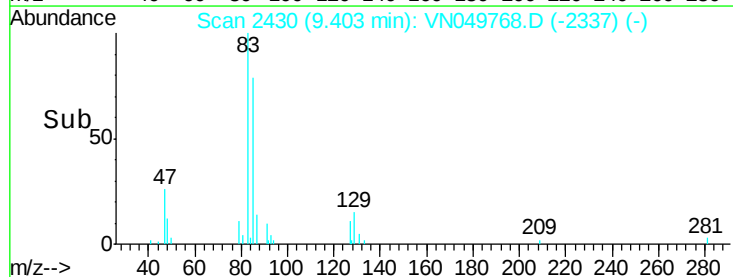
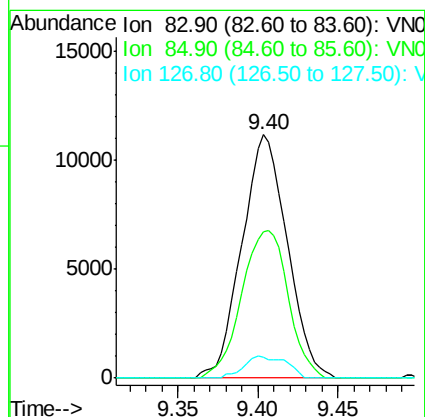
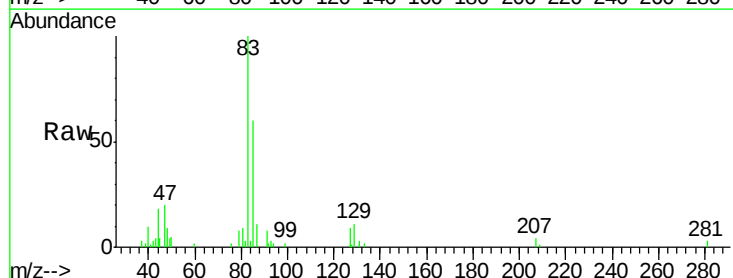
Instrument :
MSVOA_N
ClientSampled :

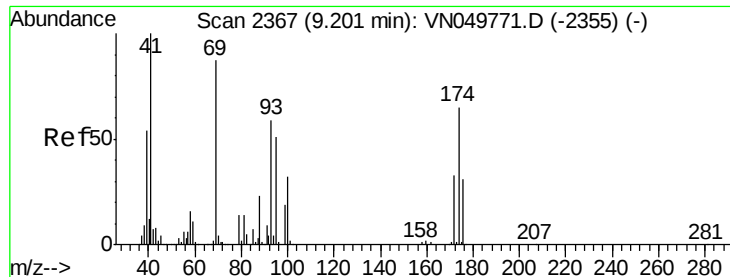
Tot Ion: 93 Resp: 9681
Ion Ratio Lower Upper
93 100
95 85.4 67.9 101.9
174 117.0 89.4 134.0



#47
Bromodichloromethane
Concen: 1.115 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 83 Resp: 21589
Ion Ratio Lower Upper
83 100
85 60.2 50.5 75.7
127 8.7 6.8 10.2

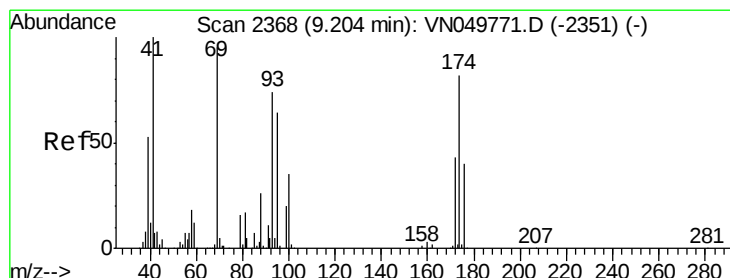
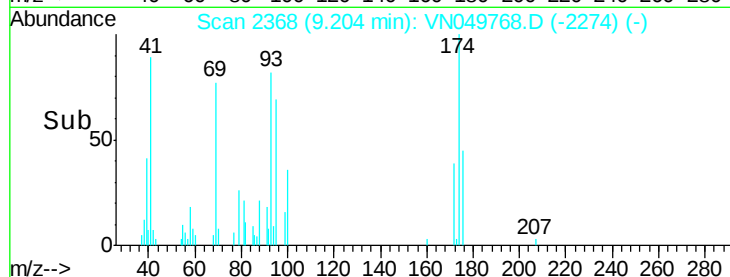
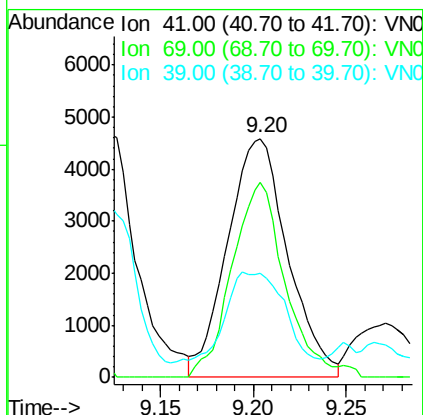
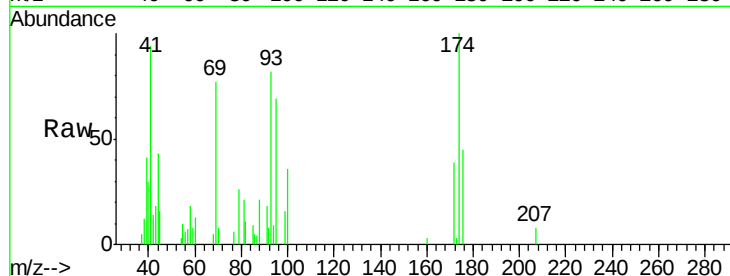




#48
Methvl methacrylate
Concen: 1.059 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

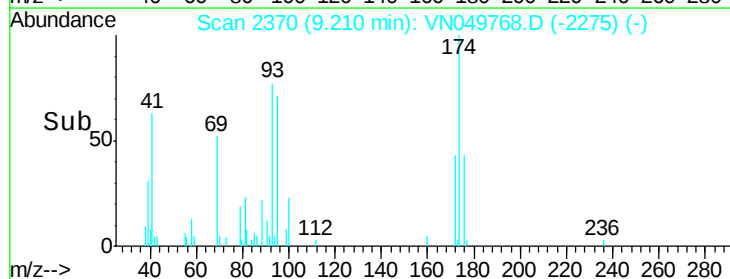
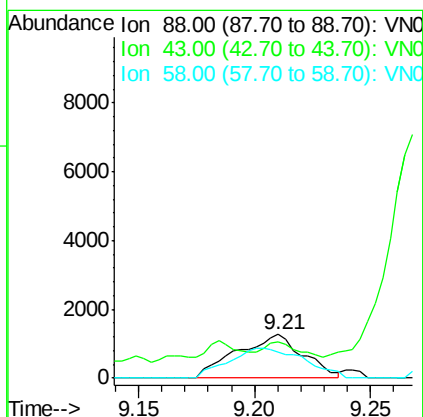
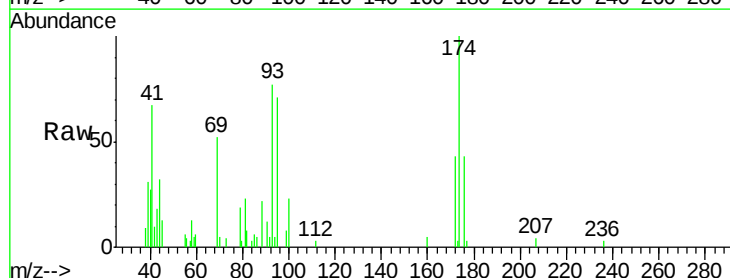
Instrument :
MSVOA_N
ClientSampled :

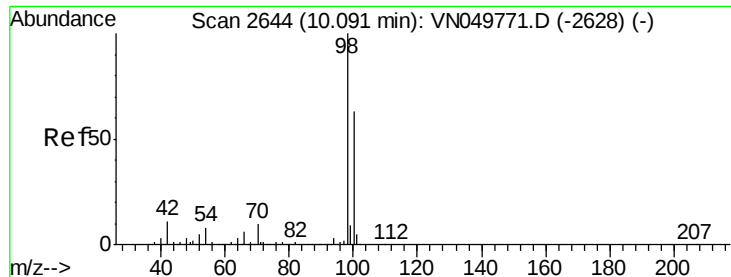
Tot Ion: 41 Resp: 10378
Ion Ratio Lower Upper
41 100
69 71.4 71.5 107.3#
39 37.0 44.7 67.1#



#49
1,4-Dioxane
Concen: 19.686 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 88 Resp: 2527
Ion Ratio Lower Upper
88 100
43 20.1 25.1 37.7#
58 77.2 52.5 78.7





#50

Toluene-d8

Concen: 1.267 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

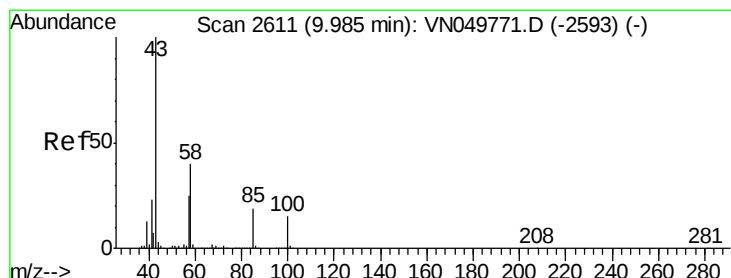
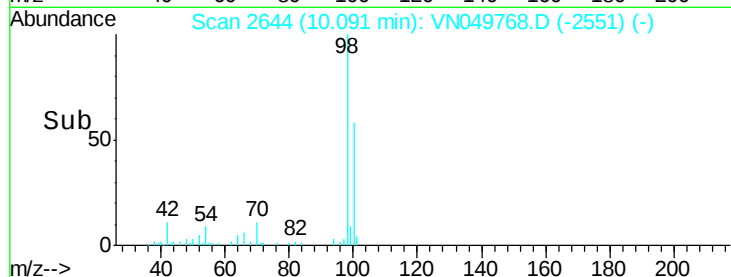
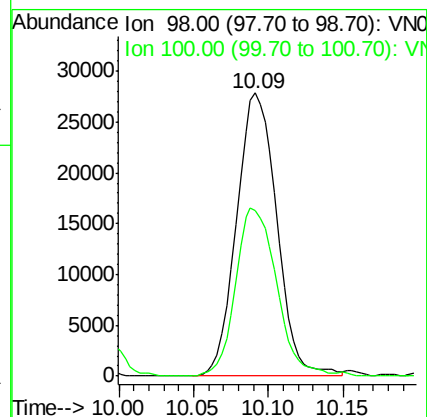
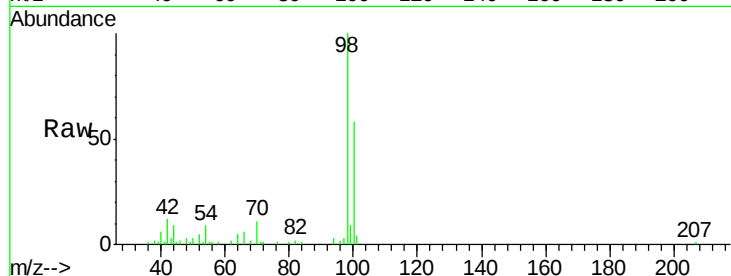
ClientSampleId :

Tot Ion: 98 Resp: 52238

Ion Ratio Lower Upper

98 100

100 60.2 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 4.511 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049768.D

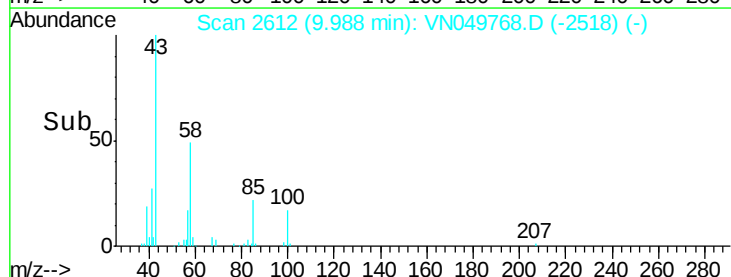
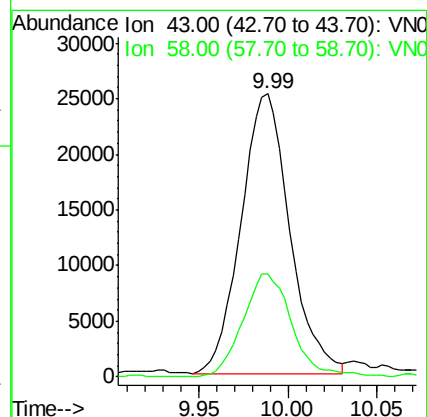
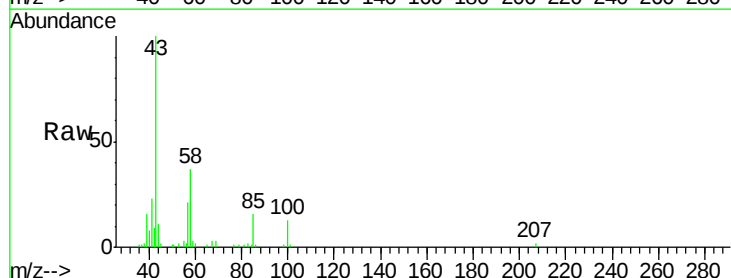
Acq: 12 Jul 2018 10:14

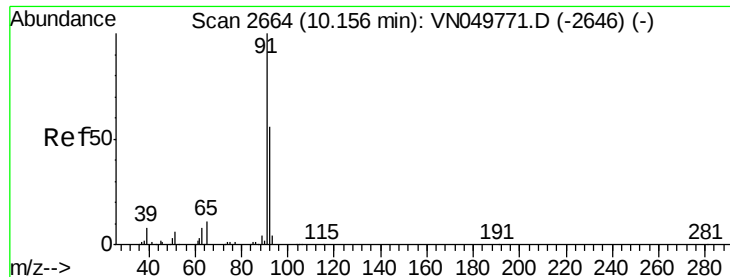
Tgt Ion: 43 Resp: 47990

Ion Ratio Lower Upper

43 100

58 37.3 31.8 47.8





#52

Toluene

Concen: 0.943 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

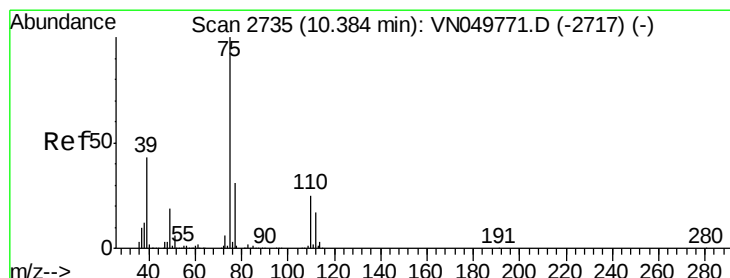
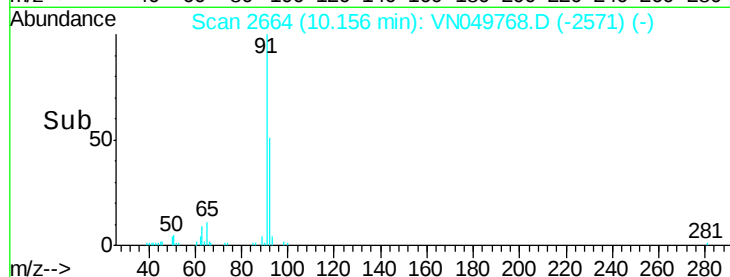
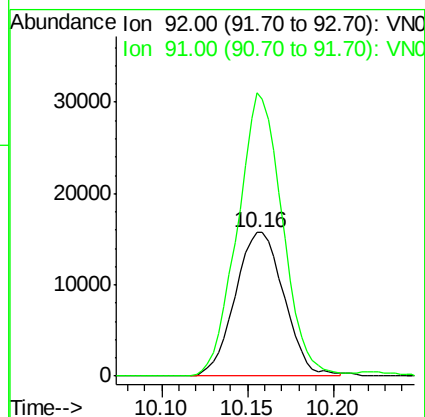
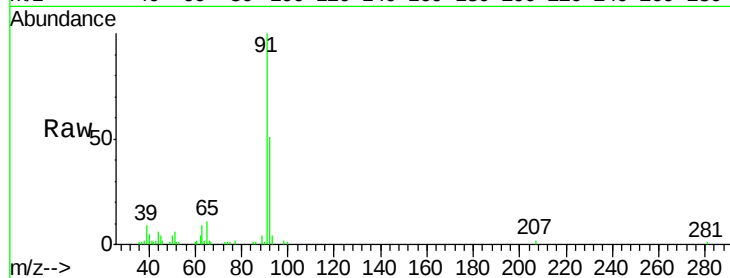
ClientSampled :

Tot Ion: 92 Resp: 31088

Ion Ratio Lower Upper

92 100

91 181.2 140.1 210.1



#53

t-1,3-Dichloropropene

Concen: 0.927 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049768.D

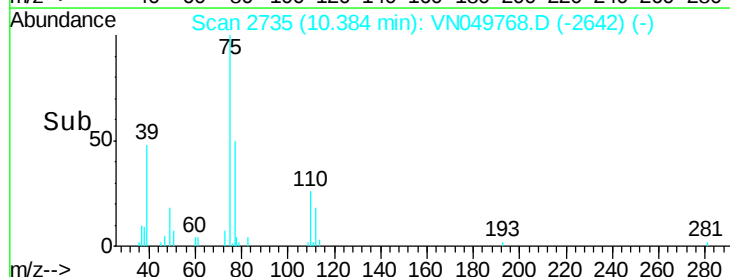
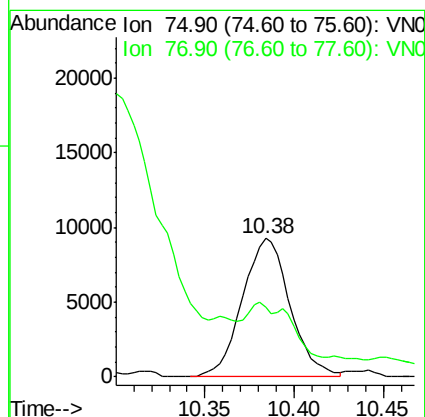
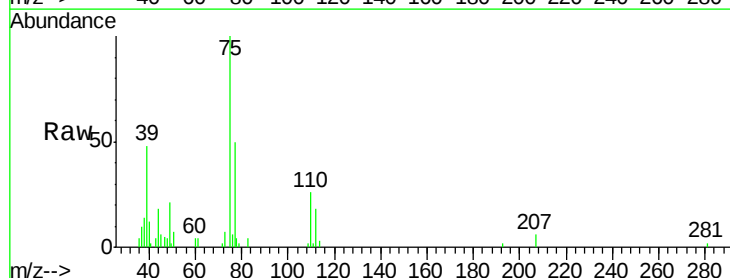
Acq: 12 Jul 2018 10:14

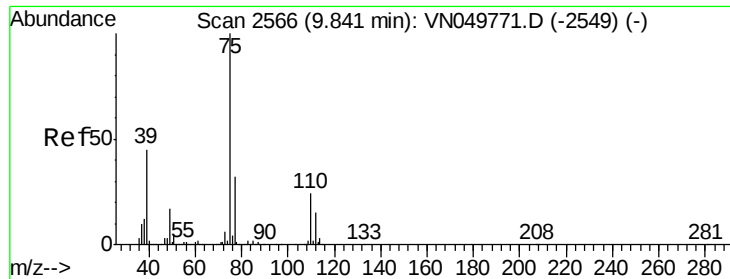
Tgt Ion: 75 Resp: 17272

Ion Ratio Lower Upper

75 100

77 35.8 25.2 37.8



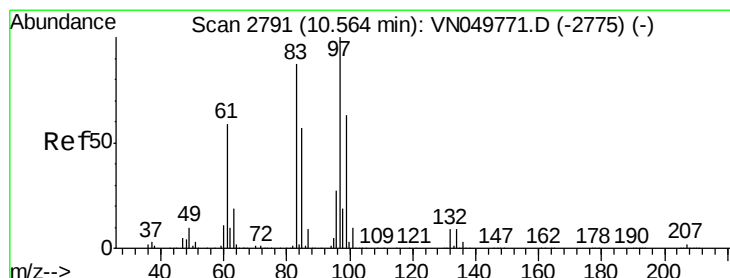
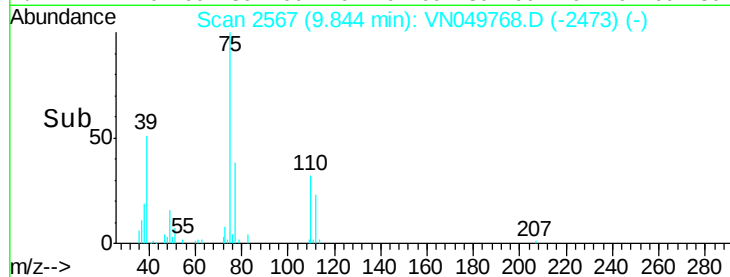
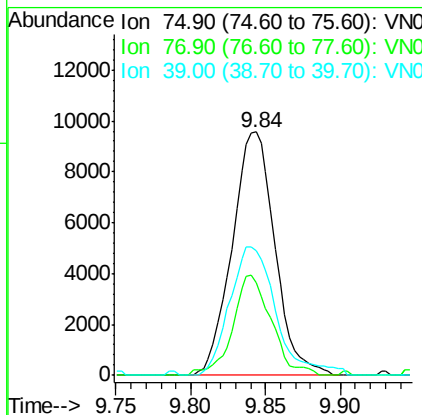
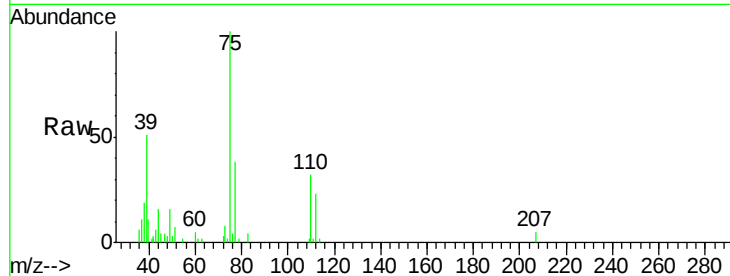


#54

cis-1,3-Dichloropropene
 Concen: 0.897 ug/l
 RT: 9.84 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :

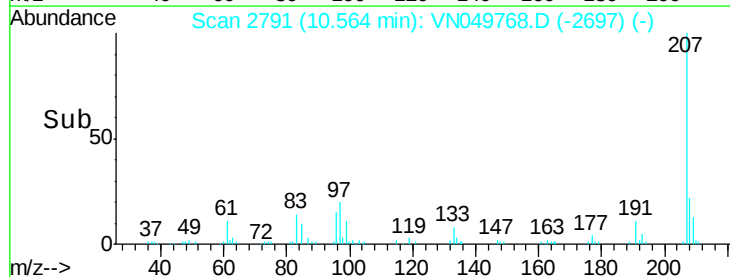
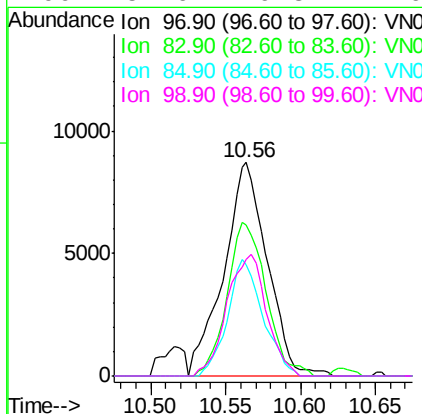
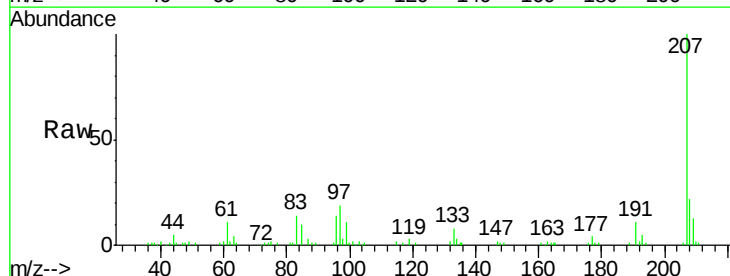
Tot Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.3	37.9#
39	50.9	35.5	53.3

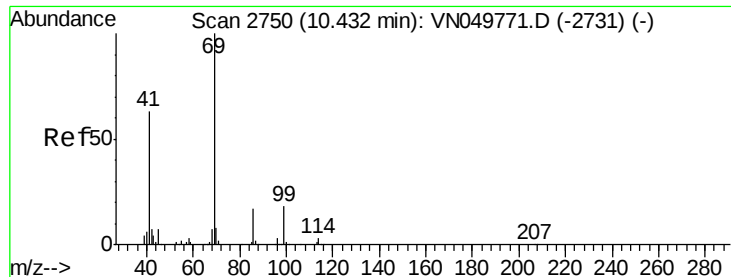


#55

1,1,2-Trichloroethane
 Concen: 0.744 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	70.7	69.0	103.6
85	52.1	44.9	67.3
99	54.6	49.8	74.6





#56

Ethyl methacrylate

Concen: 0.809 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

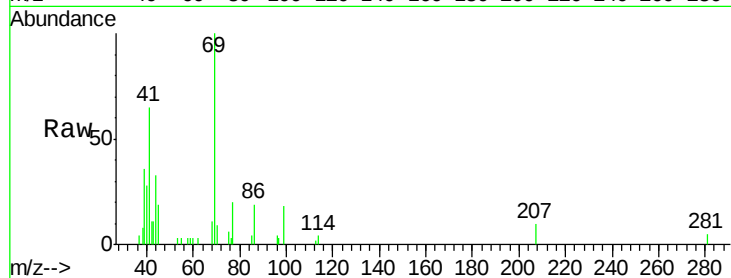
Tot Ion: 69 Resp: 12034

Ion Ratio Lower Upper

69 100

41 65.7 51.6 77.4

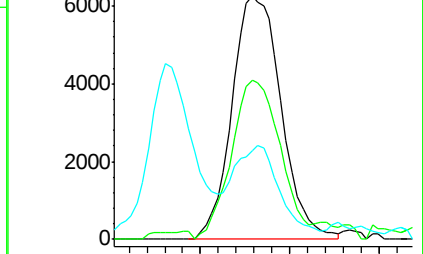
39 38.2 25.8 38.8



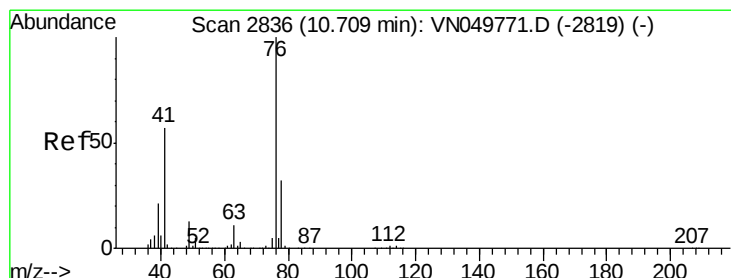
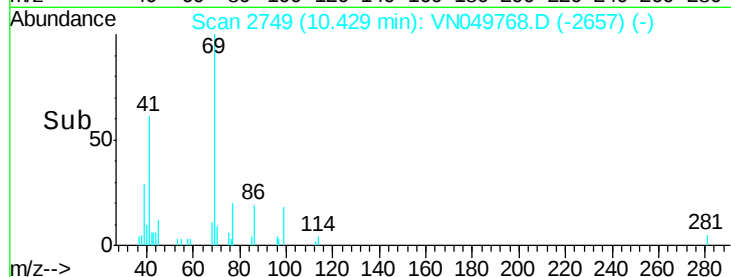
Abundance Ion 69.00 (68.70 to 69.70): VN049768.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049768.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049768.D (-2657) (-)



Time-->



#57

1,3-Dichloropropane

Concen: 1.078 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049768.D

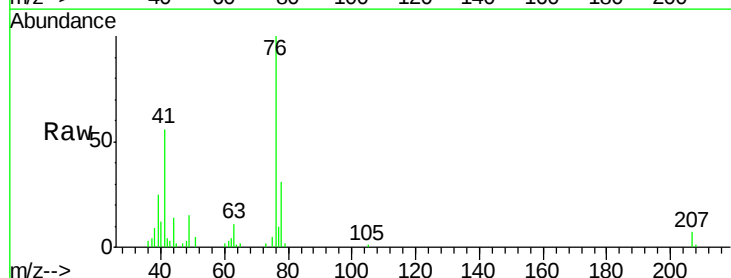
Acq: 12 Jul 2018 10:14

Tgt Ion: 76 Resp: 22653

Ion Ratio Lower Upper

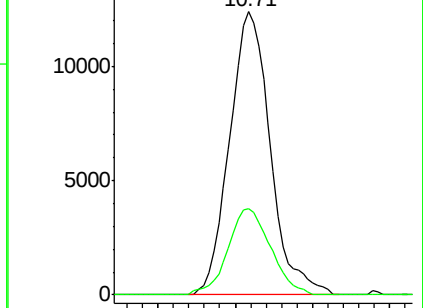
76 100

78 32.0 25.8 38.8

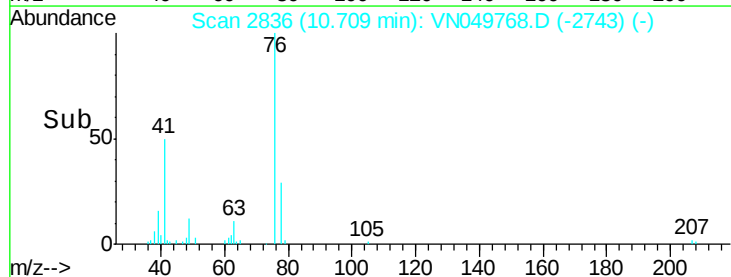


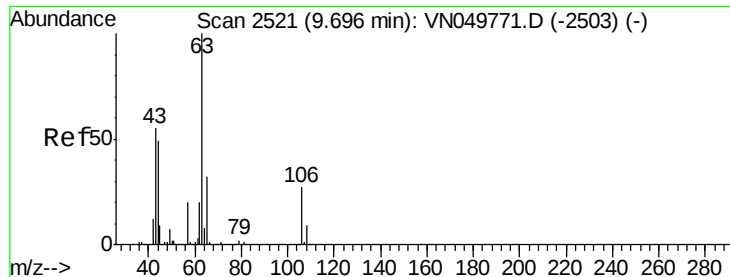
Abundance Ion 75.90 (75.60 to 76.60): VN049768.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN049768.D (-2743) (-)



Time-->

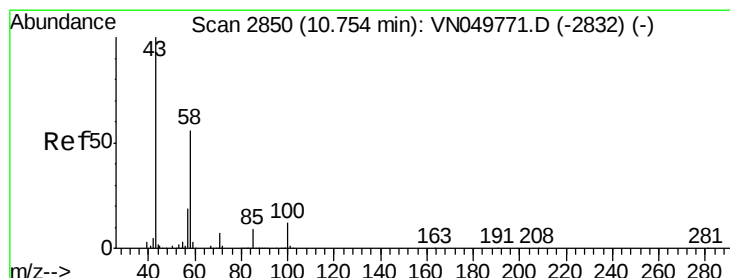
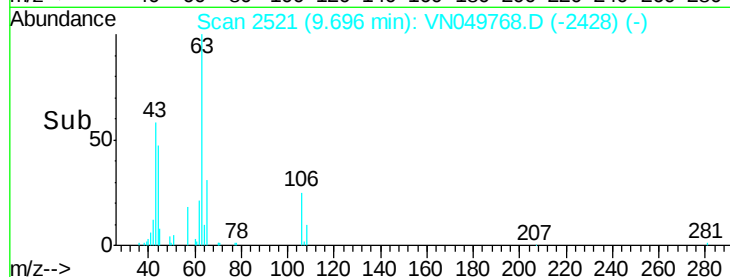
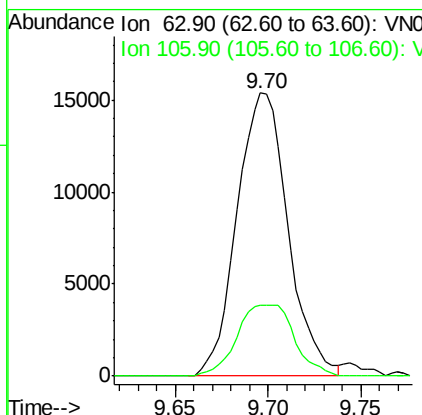
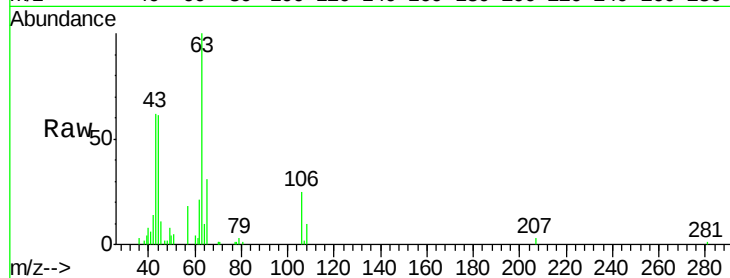




#58
2-Chloroethyl Vinyl ether
Concen: 4.115 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

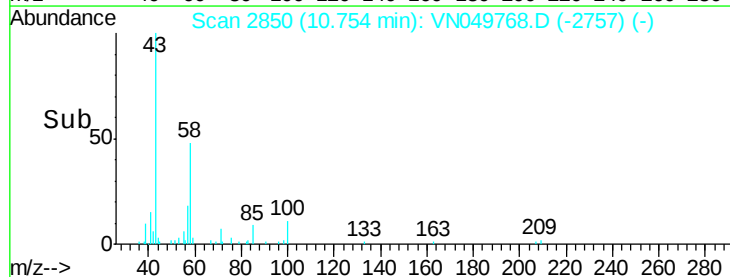
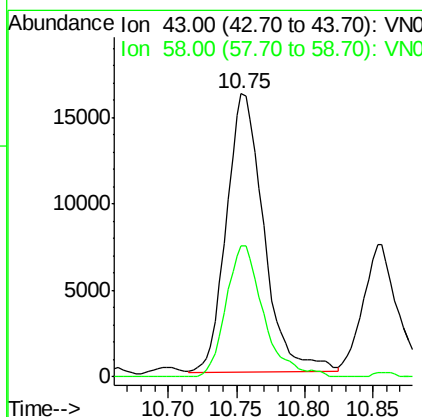
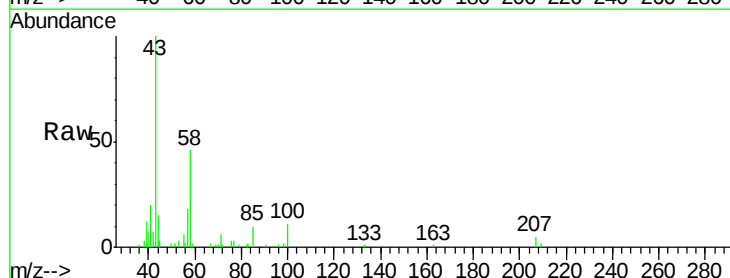
Instrument :
MSVOA_N
ClientSampled :

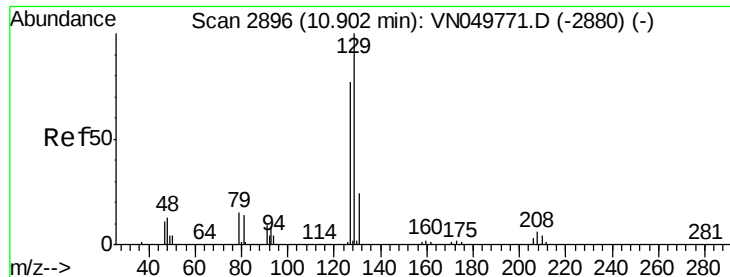
Tot Ion: 63 Resp: 29374
Ion Ratio Lower Upper
63 100
106 28.1 21.8 32.8



#59
2-Hexanone
Concen: 4.360 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 43 Resp: 30835
Ion Ratio Lower Upper
43 100
58 47.1 27.8 83.4





#60

Dibromochloromethane

Concen: 1.012 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

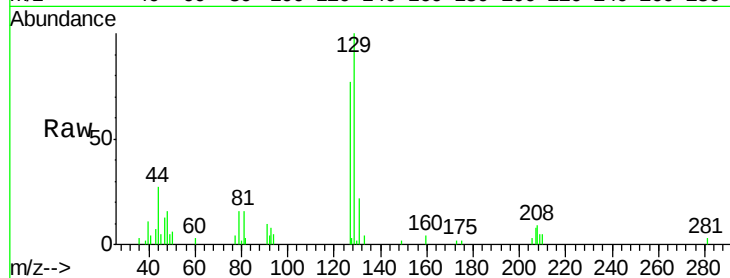
ClientSampleId :

Tot Ion:129 Resp: 14611

Ion Ratio Lower Upper

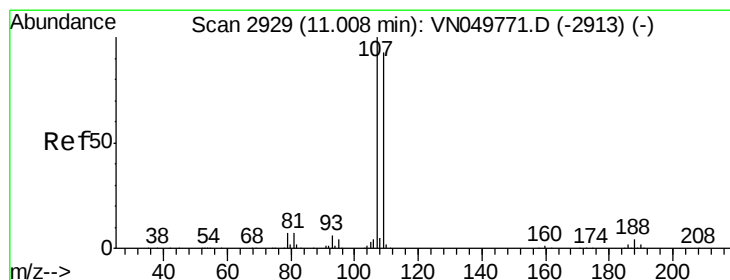
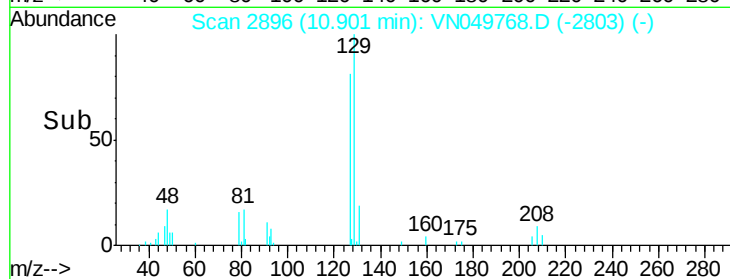
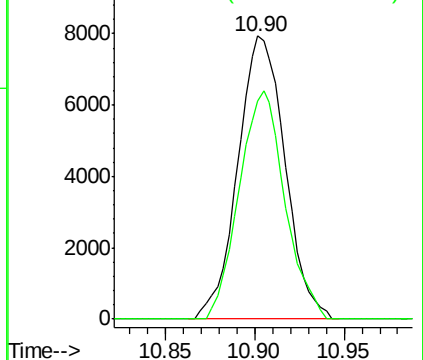
129 100

127 77.9 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.010 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049768.D

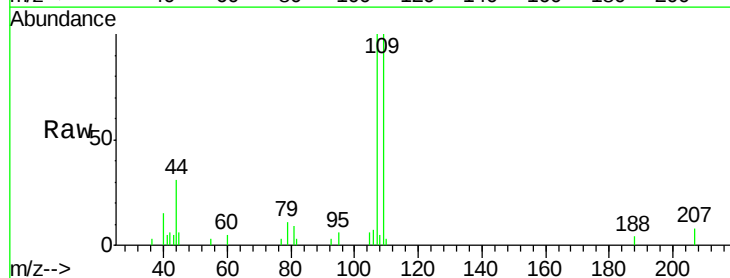
Acq: 12 Jul 2018 10:14

Tgt Ion:107 Resp: 12120

Ion Ratio Lower Upper

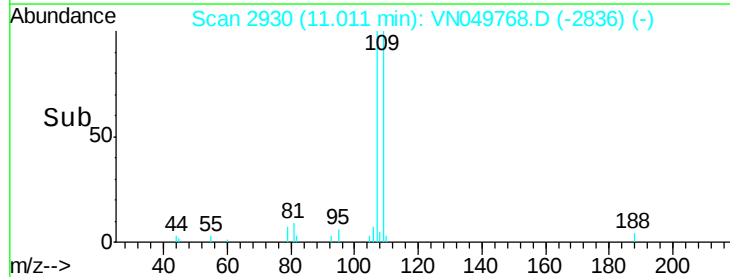
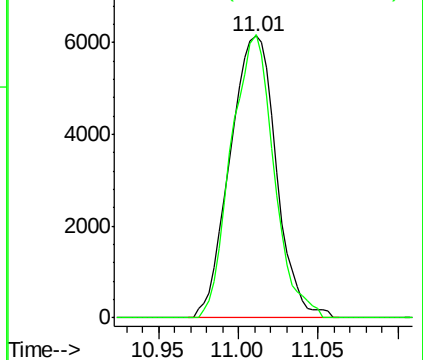
107 100

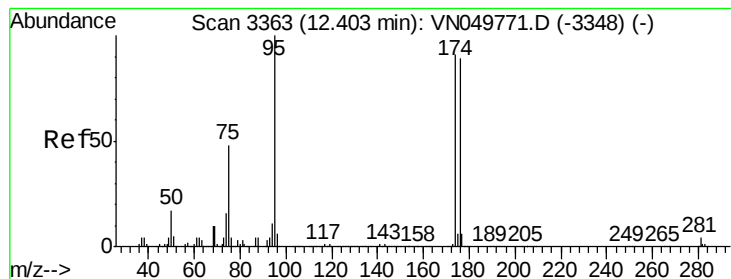
109 92.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 1.062 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

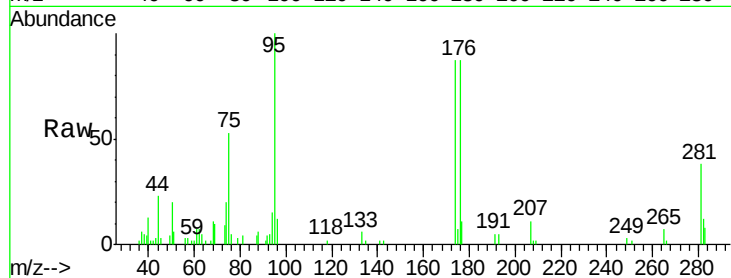
Tot Ion: 95 Resp: 15634

Ion Ratio Lower Upper

95 100

174 86.9 0.0 179.6

176 93.0 0.0 174.0

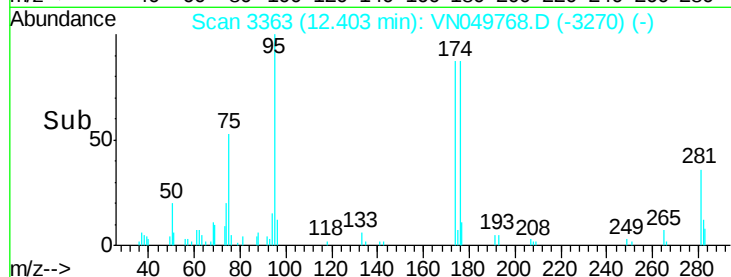


Abundance Ion 94.90 (94.60 to 95.60): VN049771.D (-3348) (-)

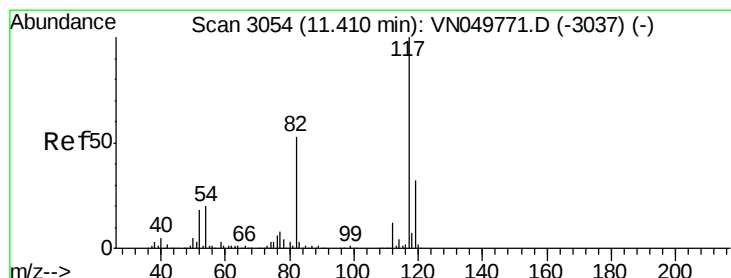
Ion 173.80 (173.50 to 174.50): VN049771.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049771.D (-3348) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

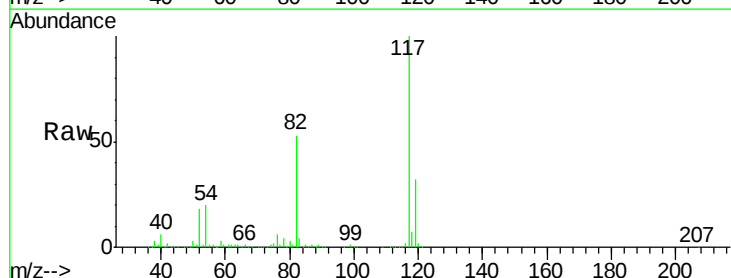
Tgt Ion: 117 Resp: 1385335

Ion Ratio Lower Upper

117 100

82 53.3 41.9 62.9

119 31.9 25.4 38.2

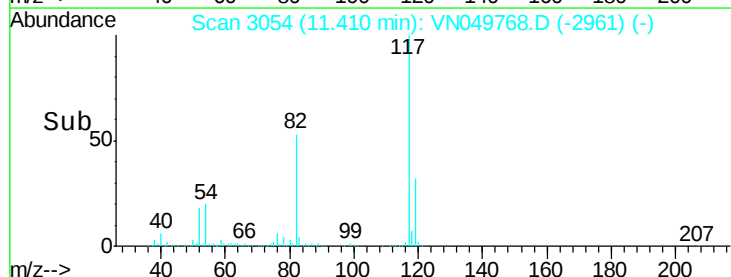


Abundance Ion 116.90 (116.60 to 117.60): VN049771.D (-3037) (-)

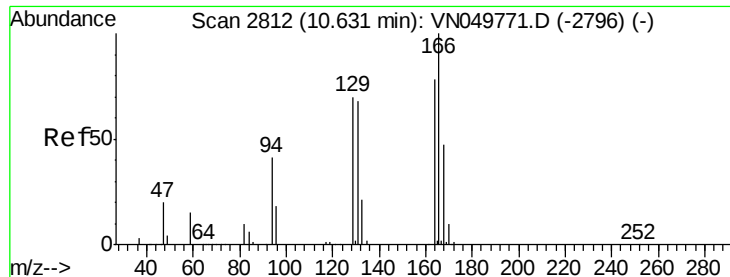
Ion 82.00 (81.70 to 82.70): VN049771.D (-3037) (-)

Ion 118.90 (118.60 to 119.60): VN049771.D (-3037) (-)

Time-->



Time-->



#64

Tetrachloroethene

Concen: 1.186 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

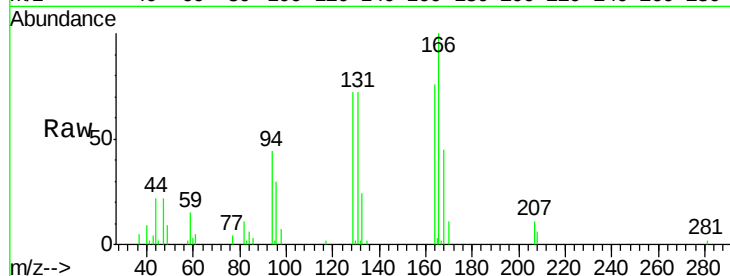
Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:164 Resp: 14922

Ion Ratio Lower Upper

164 100

166 128.8 101.8 152.6

129 92.2 72.8 109.2

131 93.7 70.0 105.0

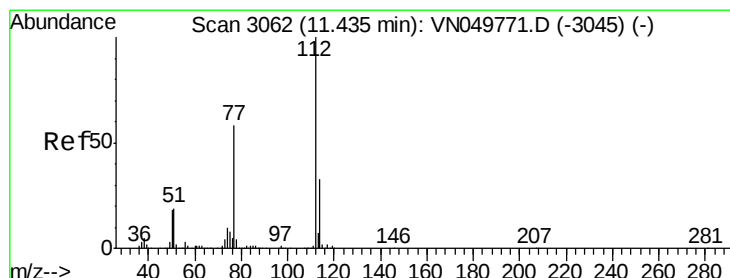
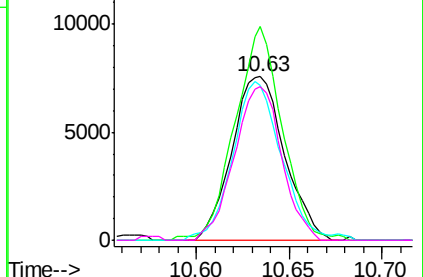
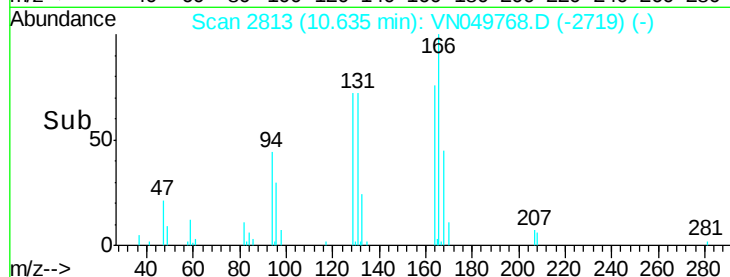
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 1.130 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049768.D

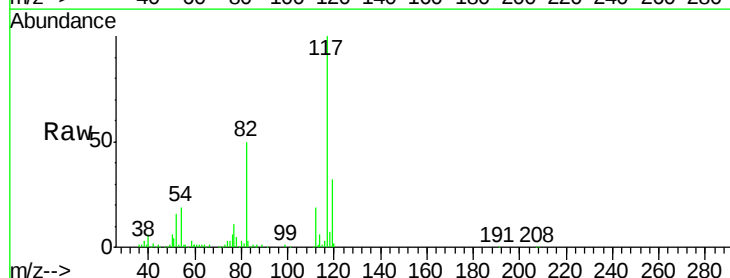
Acq: 12 Jul 2018 10:14

Tgt Ion:112 Resp: 40797

Ion Ratio Lower Upper

112 100

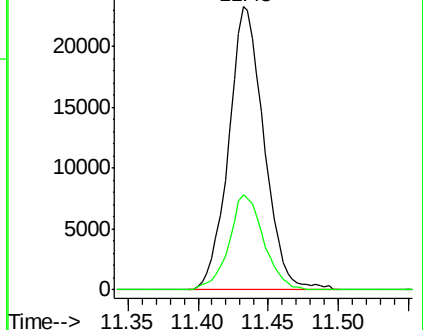
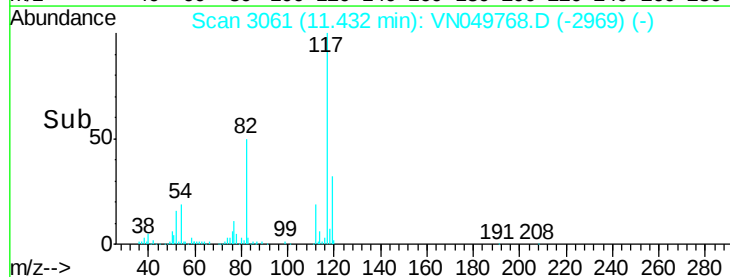
114 33.6 25.4 38.0

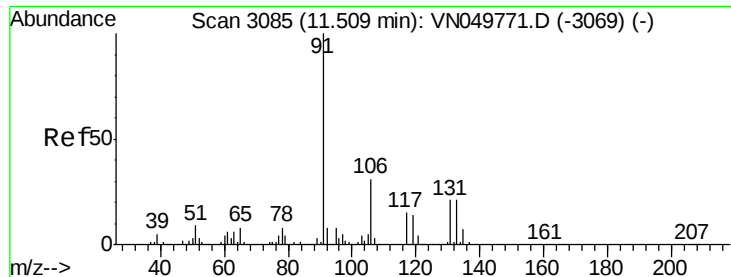


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->





#66

1,1,1,2-Tetrachloroethane

Concen: 1.105 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

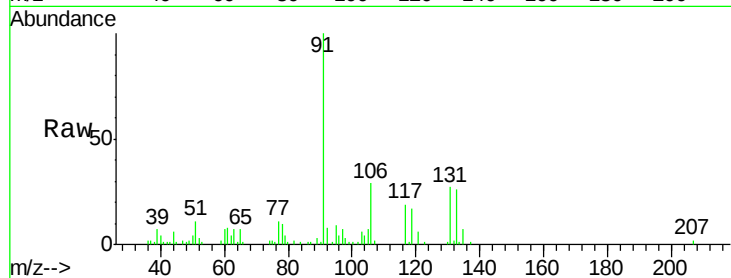
Tot Ion:131 Resp: 15003

Ion Ratio Lower Upper

131 100

133 103.5 47.5 142.6

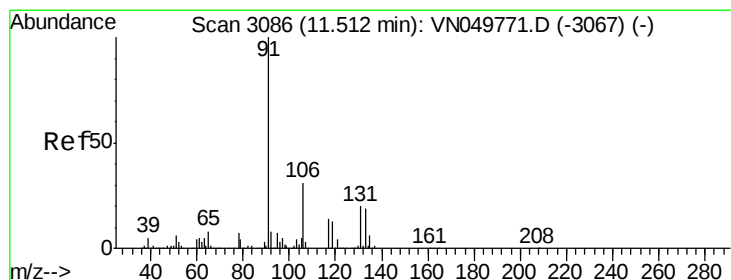
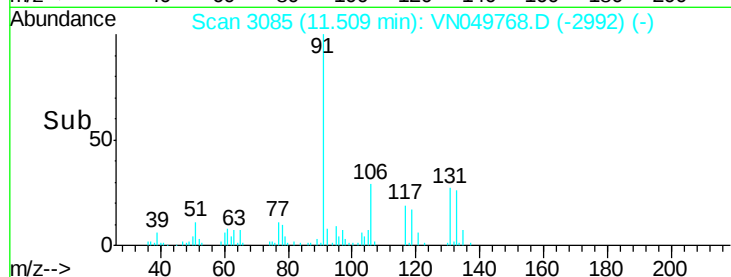
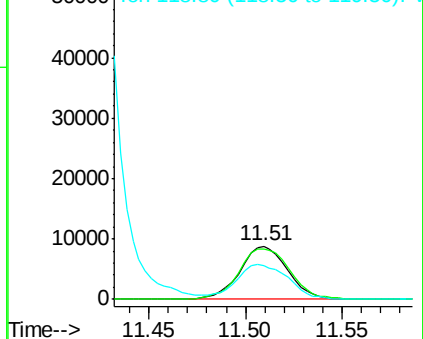
119 0.0 33.1 99.3#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.977 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049768.D

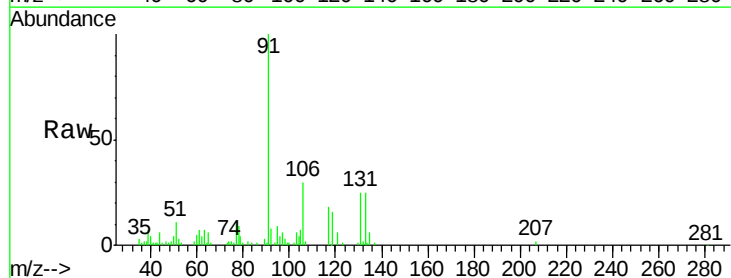
Acq: 12 Jul 2018 10:14

Tgt Ion: 91 Resp: 57713

Ion Ratio Lower Upper

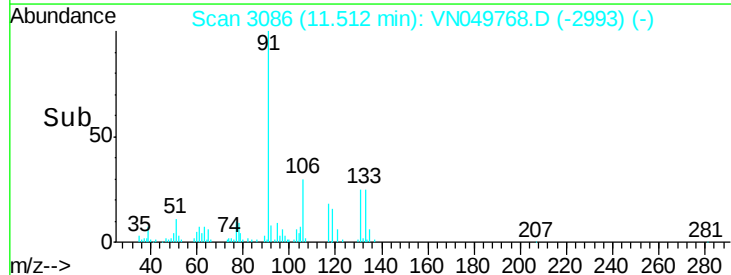
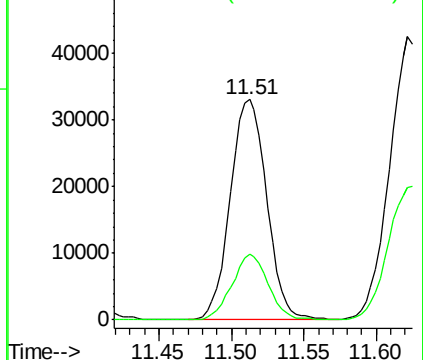
91 100

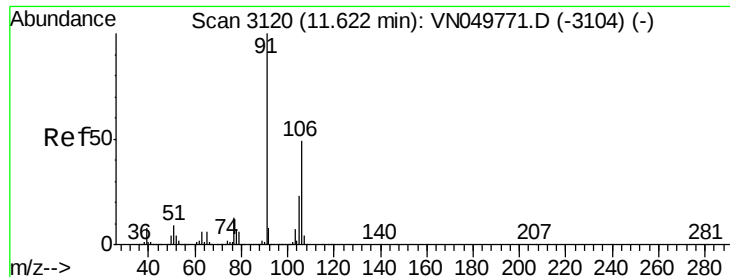
106 29.9 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.775 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

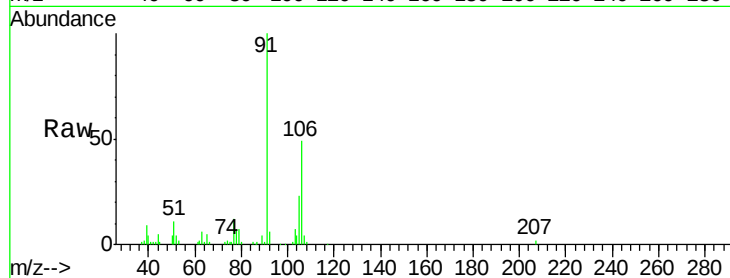
ClientSampleId :

Tot Ion:106 Resp: 39374

Ion Ratio Lower Upper

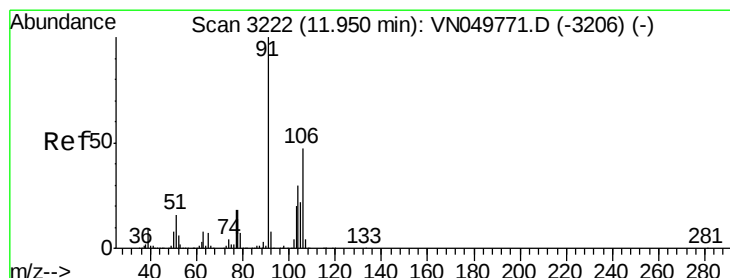
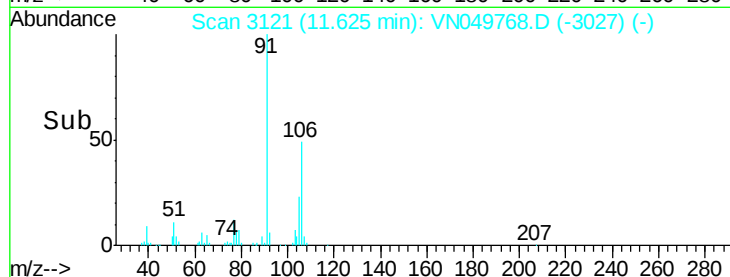
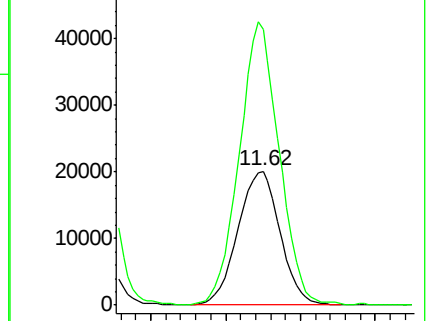
106 100

91 200.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.911 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN049768.D

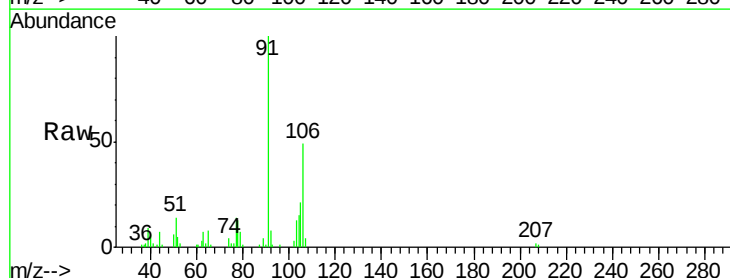
Acq: 12 Jul 2018 10:14

Tgt Ion:106 Resp: 19520

Ion Ratio Lower Upper

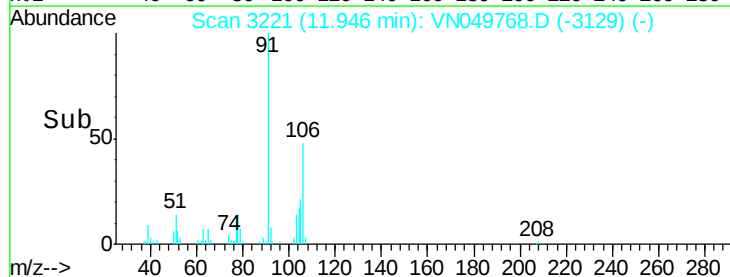
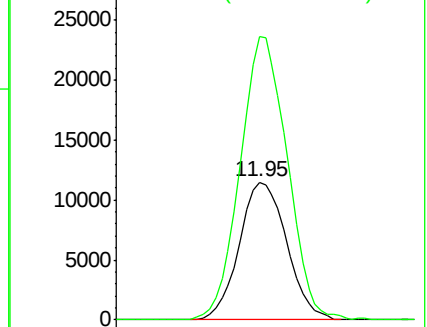
106 100

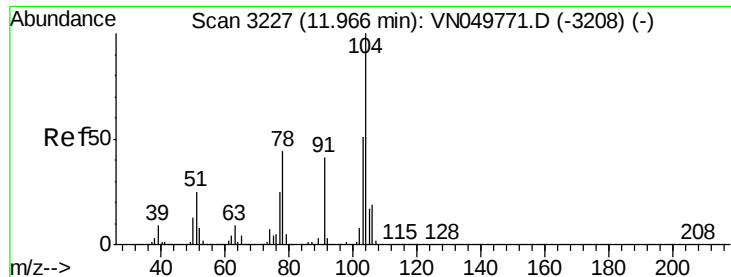
91 204.2 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 0.778 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

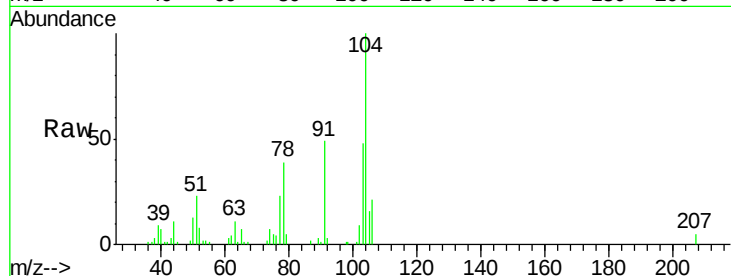
Tot Ion:104 Resp: 26475

Ion Ratio Lower Upper

104 100

78 50.9 39.2 58.8

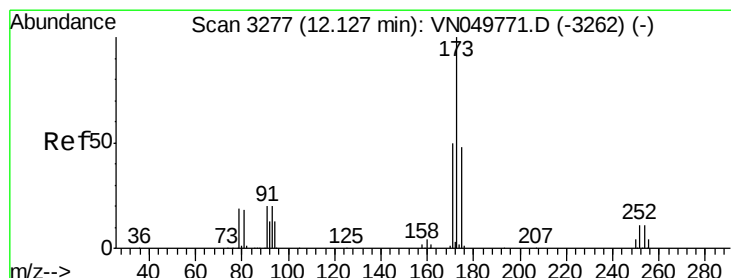
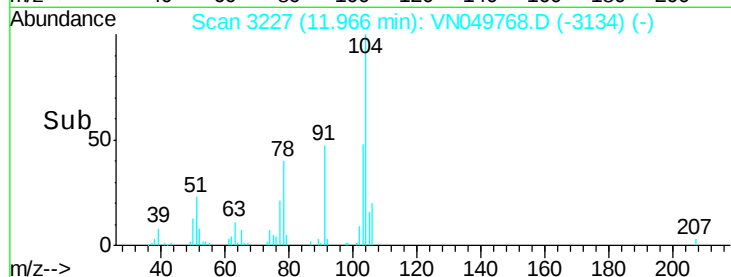
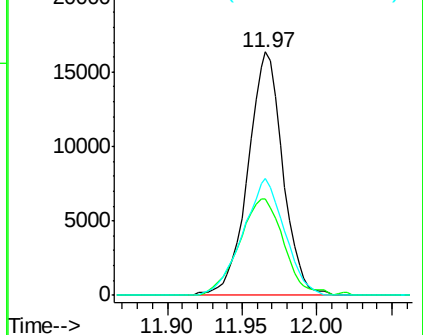
103 57.3 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.952 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

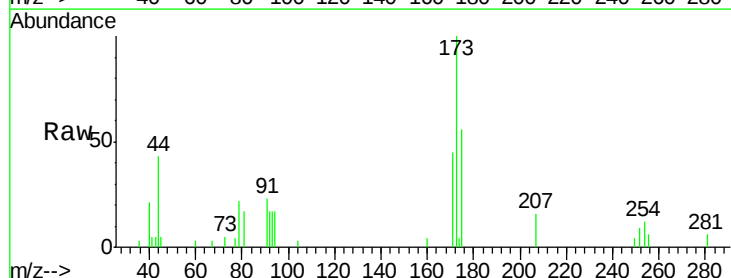
Tgt Ion:173 Resp: 8735

Ion Ratio Lower Upper

173 100

175 56.9 24.6 73.8

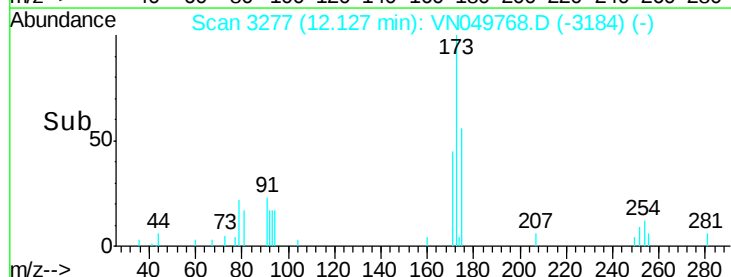
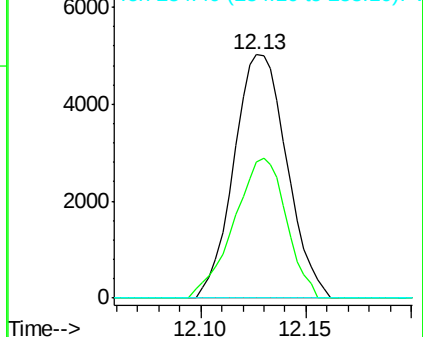
254 0.0 0.2 0.2#

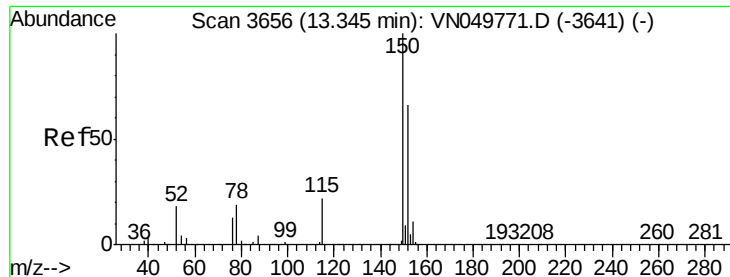


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

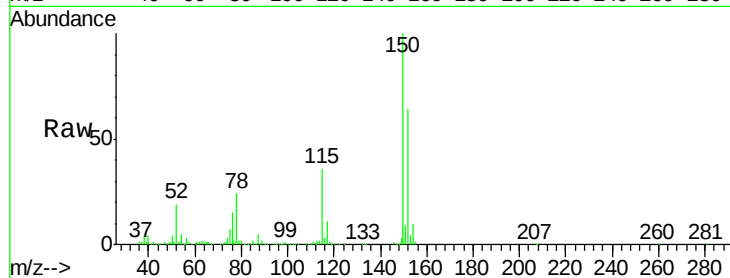
Tot Ion:152 Resp: 541460

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

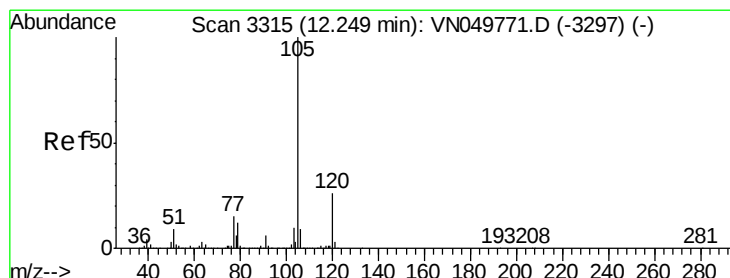
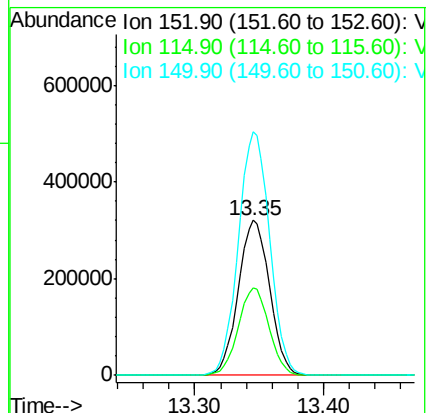
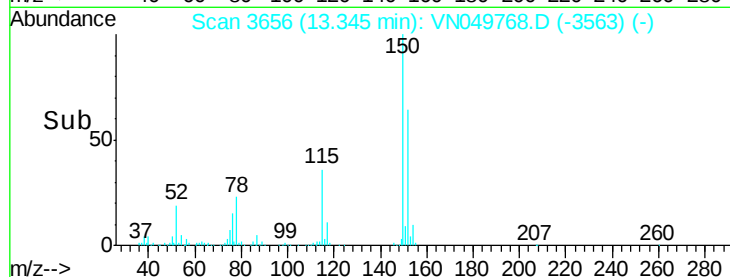
150 156.7 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.067 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049768.D

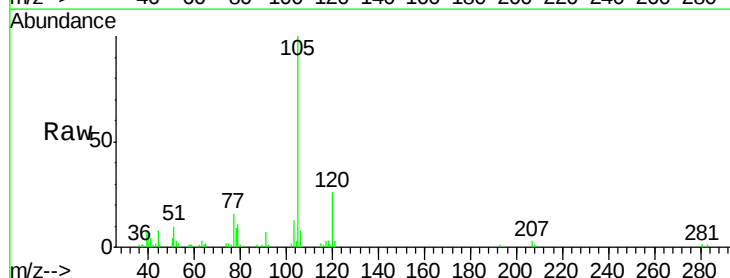
Acq: 12 Jul 2018 10:14

Tgt Ion:105 Resp: 48013

Ion Ratio Lower Upper

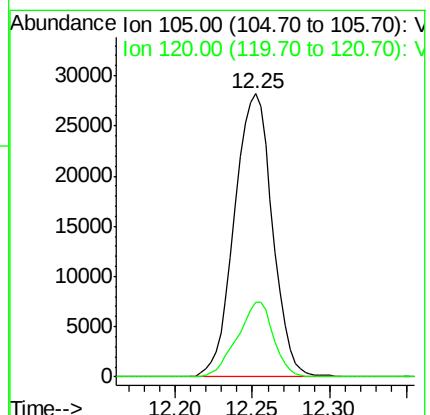
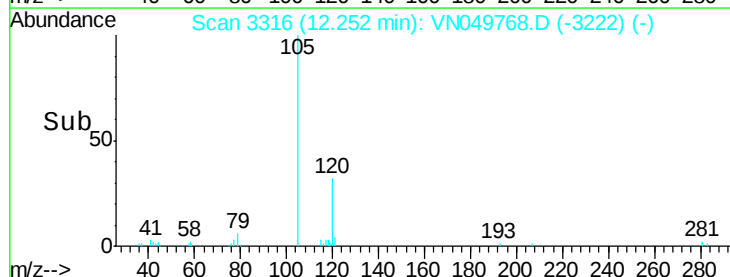
105 100

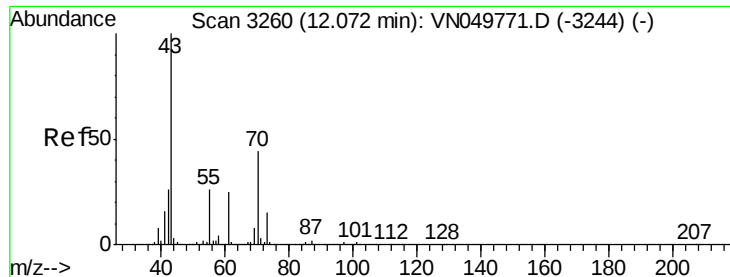
120 25.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.946 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 11078

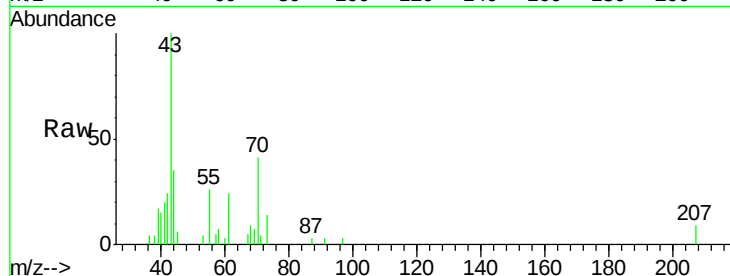
Ion Ratio Lower Upper

43 100

70 36.5 34.8 52.2

55 26.0 20.9 31.3

61 20.0 19.9 29.9

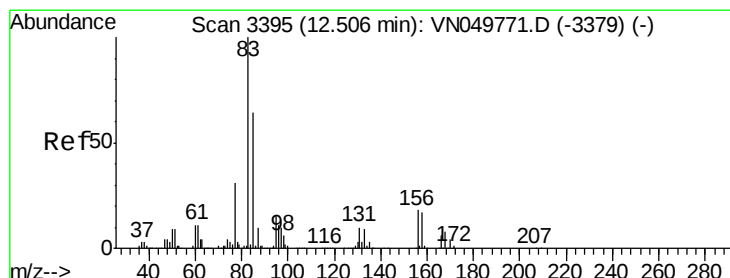
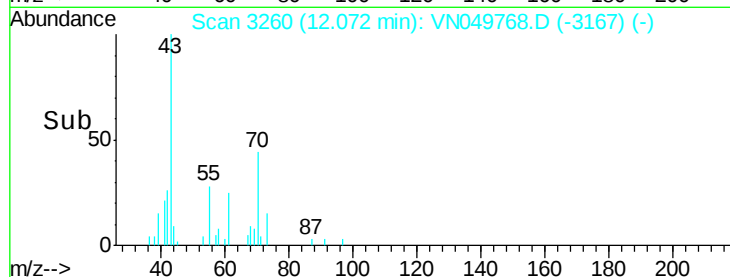
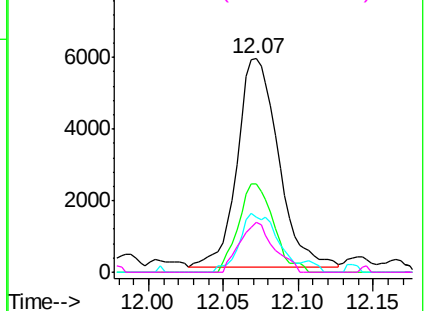


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

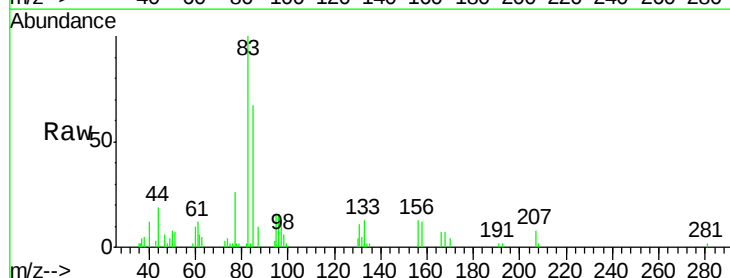
Tgt Ion: 83 Resp: 15569

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

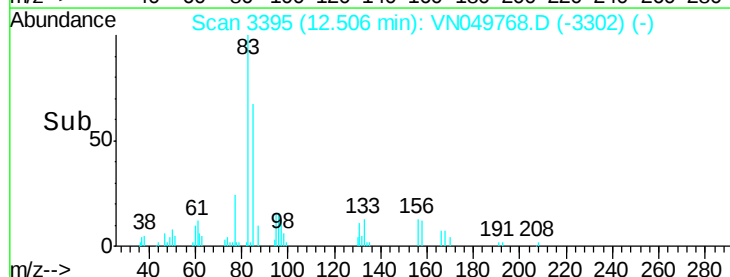
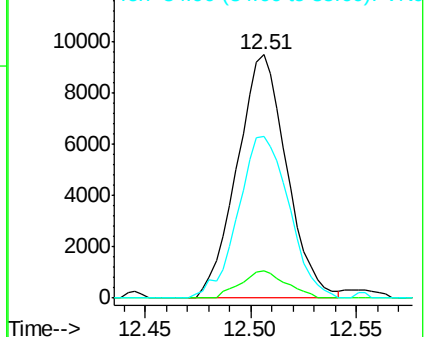
85 68.1 32.5 97.4

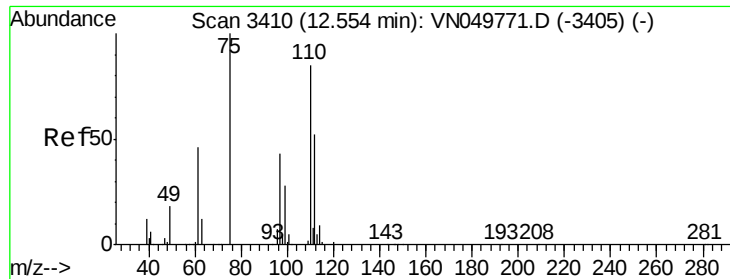


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.738 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

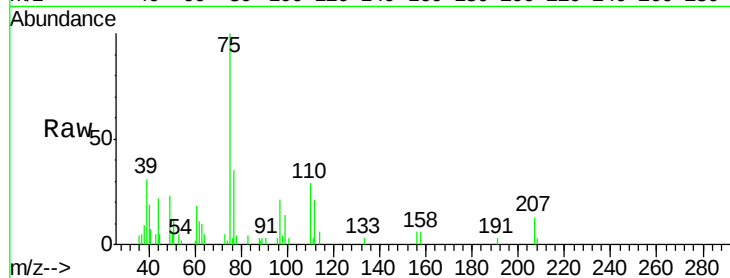
ClientSampled :

Tot Ion: 75 Resp: 16720

Ion Ratio Lower Upper

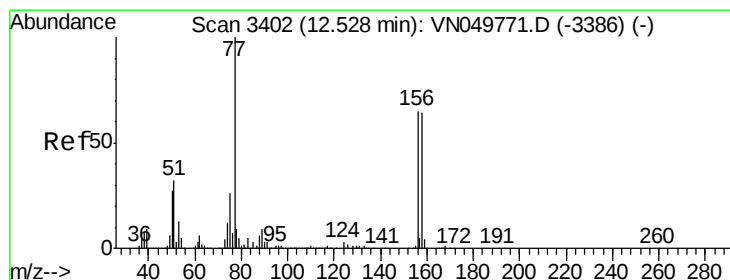
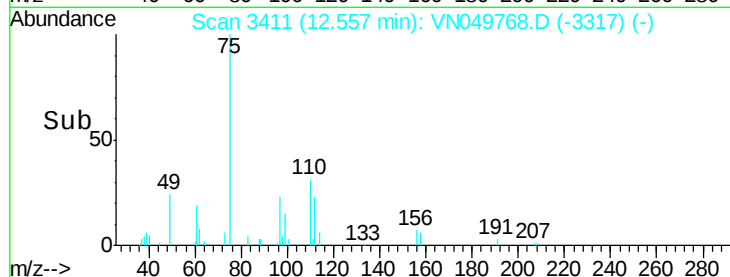
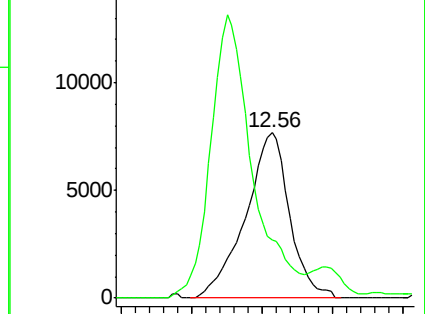
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3405) (-)



#77

Bromobenzene

Concen: 1.219 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

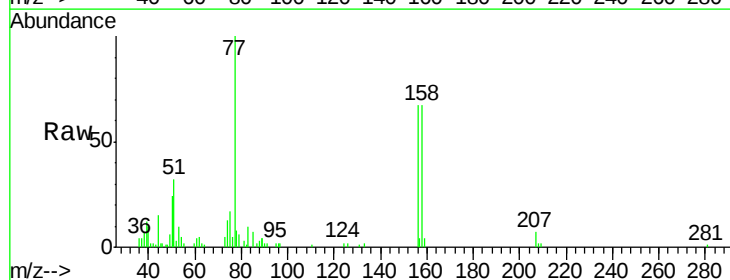
Tgt Ion: 156 Resp: 14548

Ion Ratio Lower Upper

156 100

77 186.1 90.2 270.6

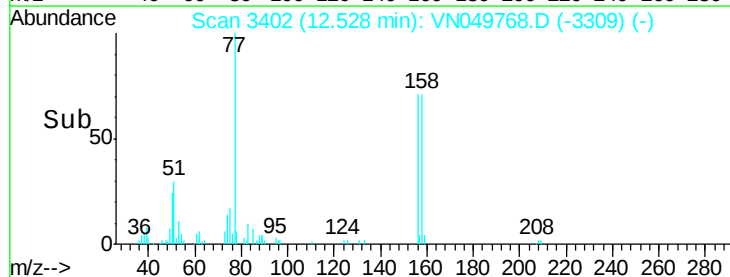
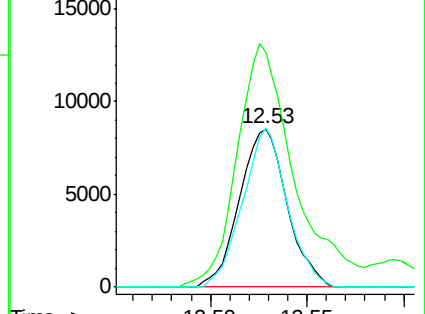
158 94.2 49.1 147.3

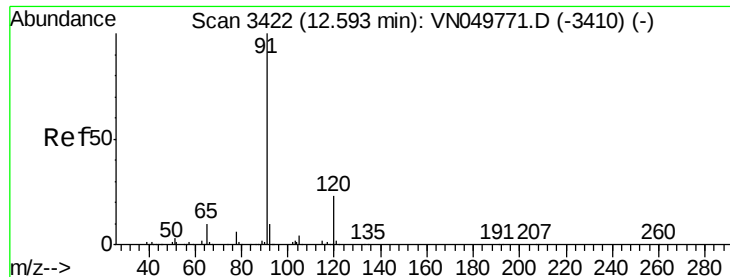


Abundance Ion 155.80 (155.50 to 156.50): VN049771.D (-3386) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3386) (-)

Ion 157.80 (157.50 to 158.50): VN049771.D (-3386) (-)





#78

n-propylbenzene

Concen: 1.038 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

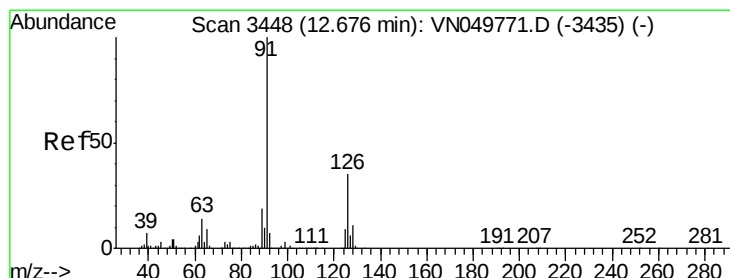
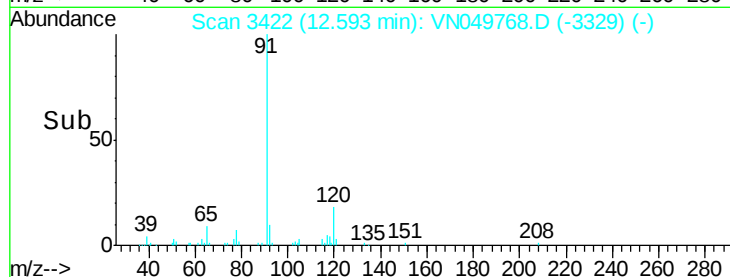
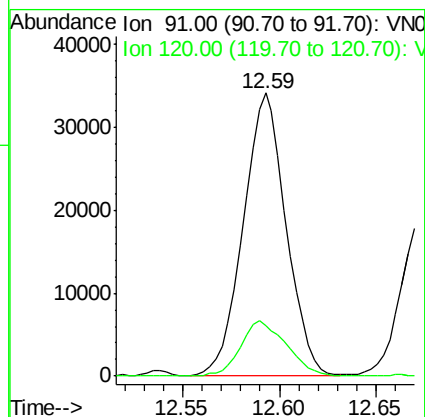
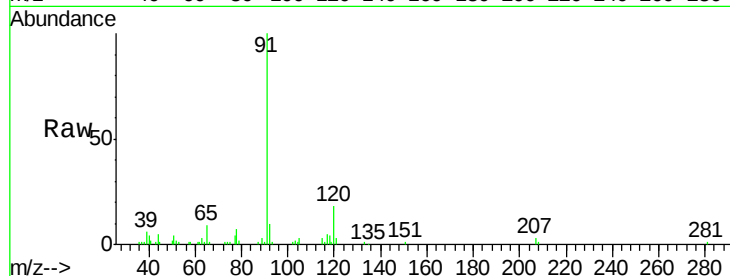
ClientSampleId :

Tot Ion: 91 Resp: 52680

Ion Ratio Lower Upper

91 100

120 20.7 11.5 34.4



#79

2-Chlorotoluene

Concen: 1.102 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049768.D

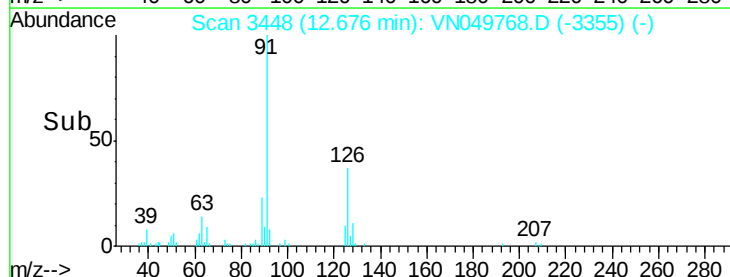
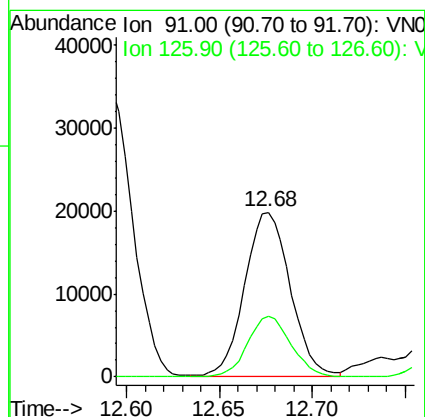
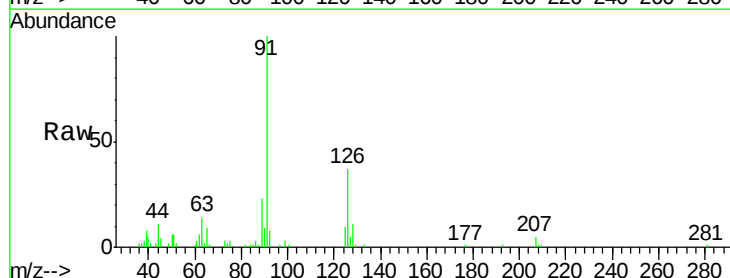
Acq: 12 Jul 2018 10:14

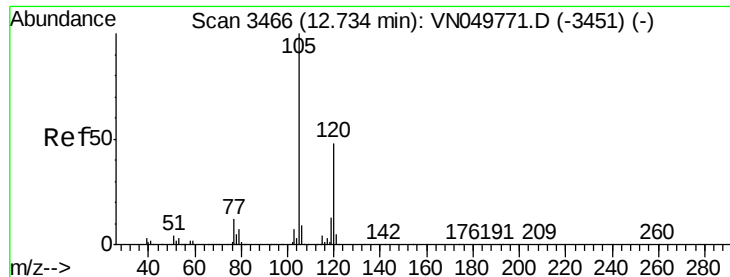
Tgt Ion: 91 Resp: 34223

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5





#80

1,3,5-Trimethylbenzene

Concen: 0.993 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

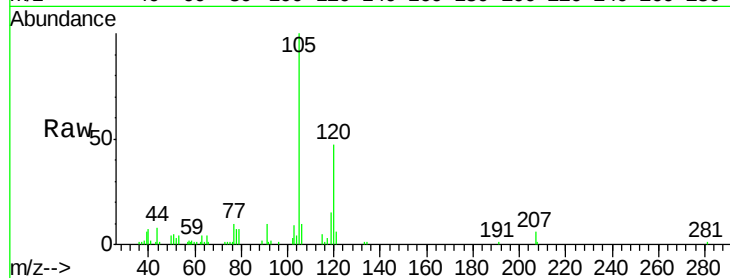
ClientSampled :

Tot Ion:105 Resp: 35512

Ion Ratio Lower Upper

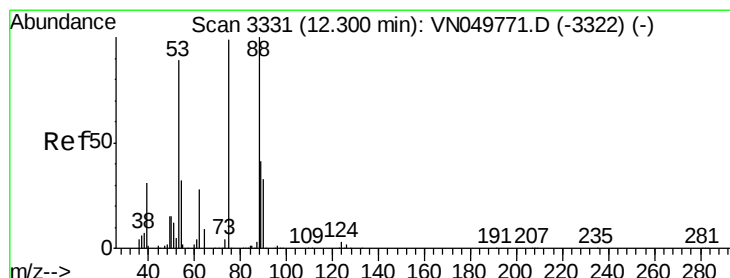
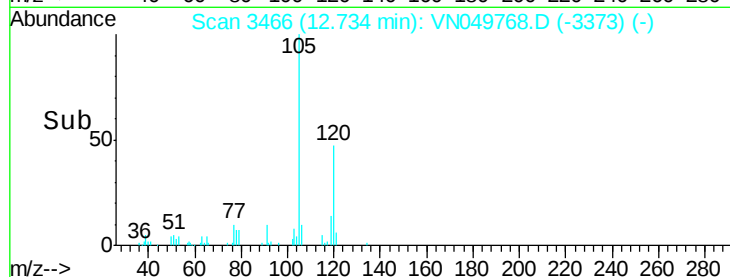
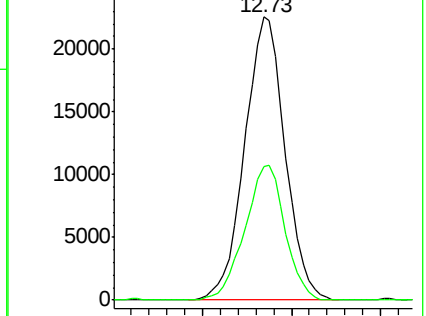
105 100

120 47.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 0.932 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

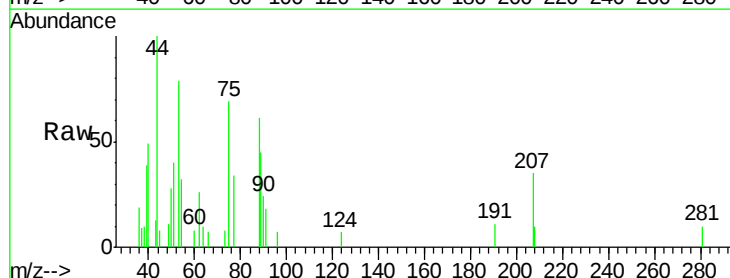
Tgt Ion: 75 Resp: 2777

Ion Ratio Lower Upper

75 100

53 110.9 73.9 110.9

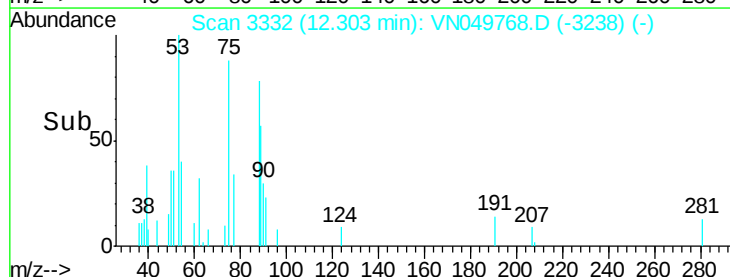
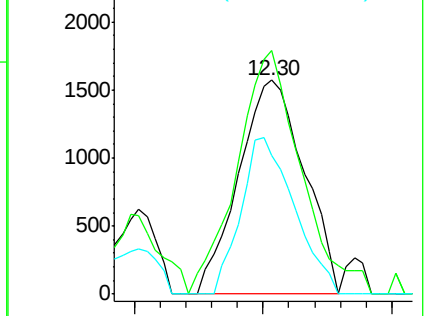
89 59.7 35.9 53.9#

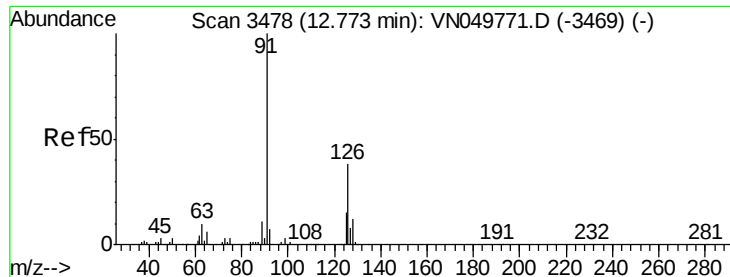


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 53.00 (52.70 to 53.70): VNC

Ion 88.90 (88.60 to 89.60): VNC

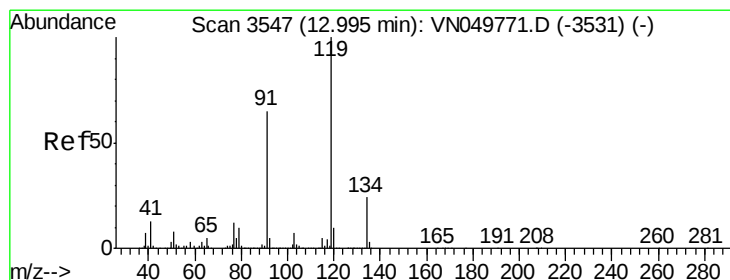
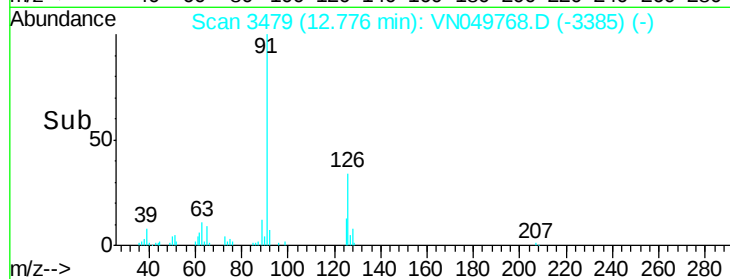
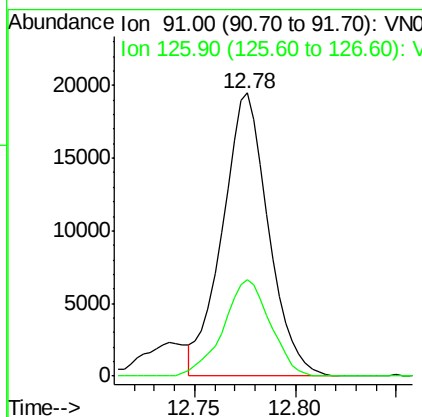
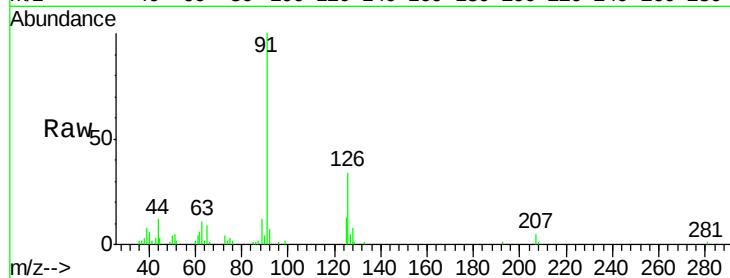




#82
4-Chlorotoluene
Concen: 1.009 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

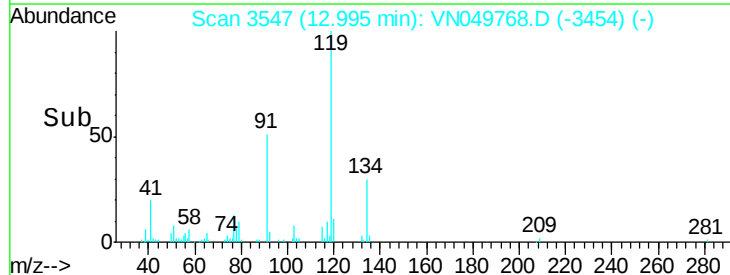
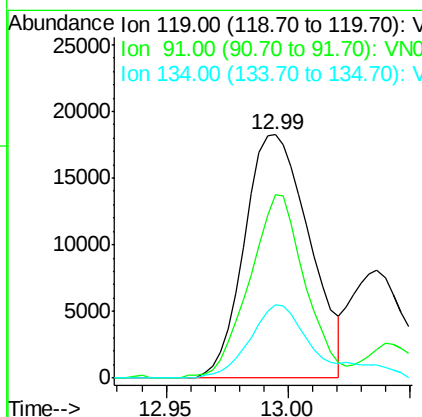
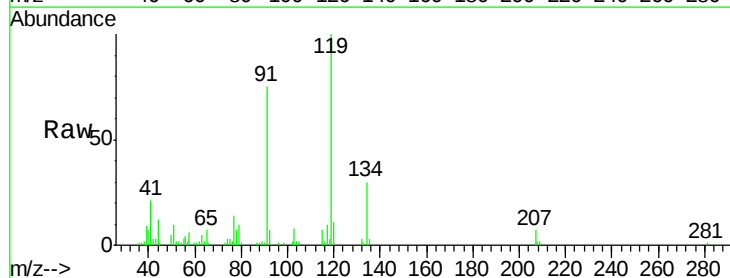
Instrument :
MSVOA_N
ClientSampleId :

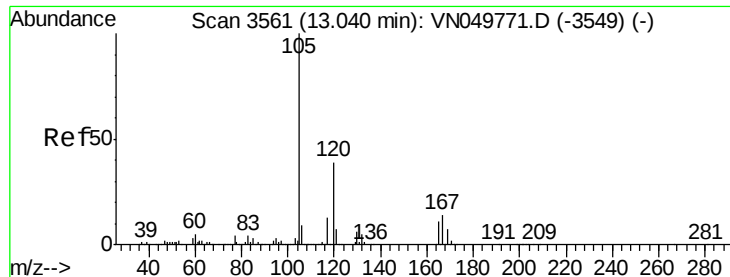
Tot Ion: 91 Resp: 31067
Ion Ratio Lower Upper
91 100
126 34.5 17.2 51.6



#83
tert-Butylbenzene
Concen: 1.054 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion: 119 Resp: 33711
Ion Ratio Lower Upper
119 100
91 64.4 32.0 96.2
134 30.6 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.908 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

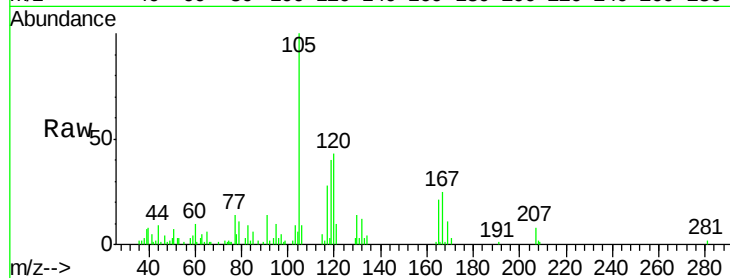
ClientSampleId :

Tot Ion:105 Resp: 32548

Ion Ratio Lower Upper

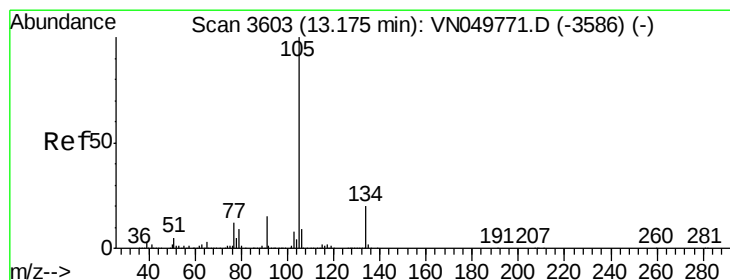
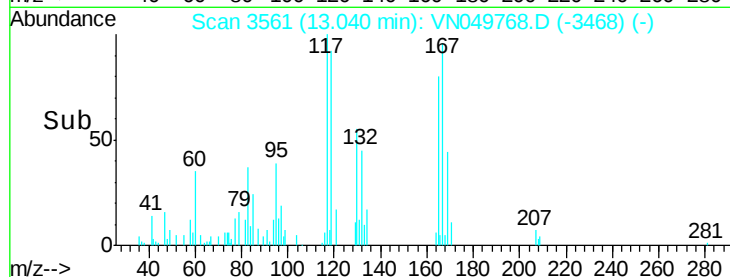
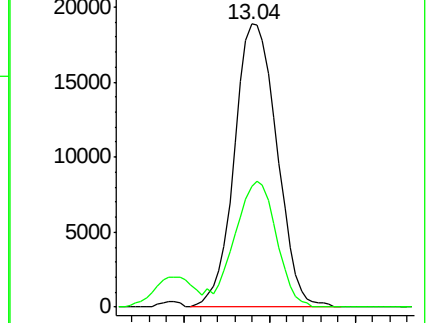
105 100

120 44.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.936 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049768.D

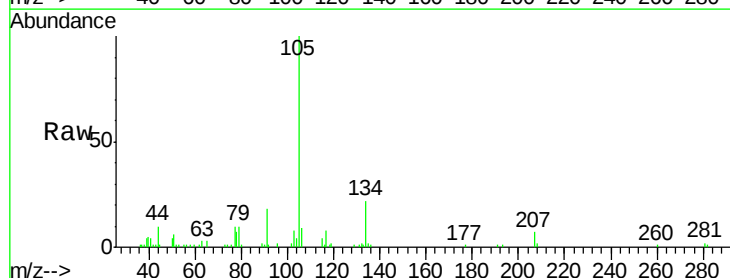
Acq: 12 Jul 2018 10:14

Tgt Ion:105 Resp: 39253

Ion Ratio Lower Upper

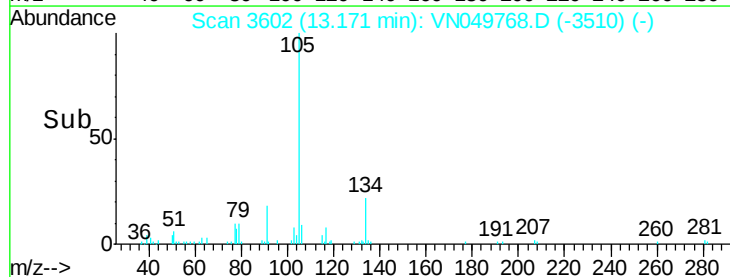
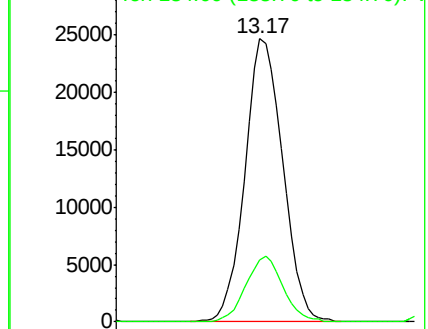
105 100

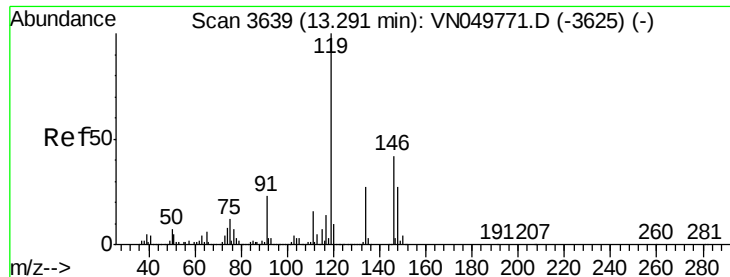
134 22.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

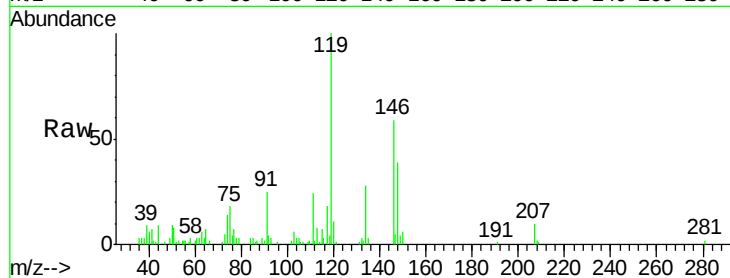




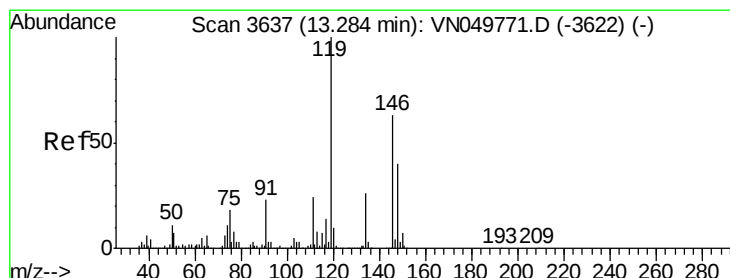
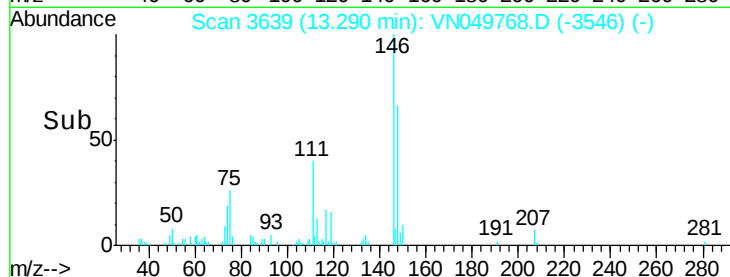
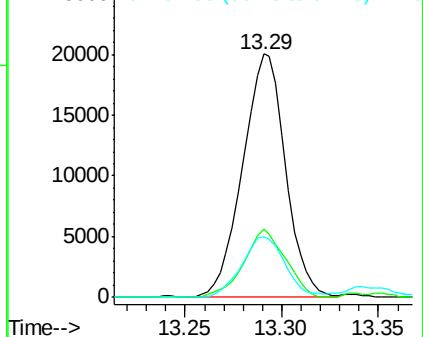
#86
p-Isopropyltoluene
Concen: 0.872 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 30944
Ion Ratio Lower Upper
119 100
134 27.1 13.3 39.9
91 25.5 11.4 34.1

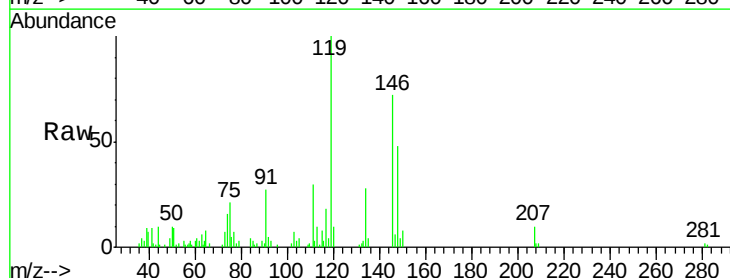


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

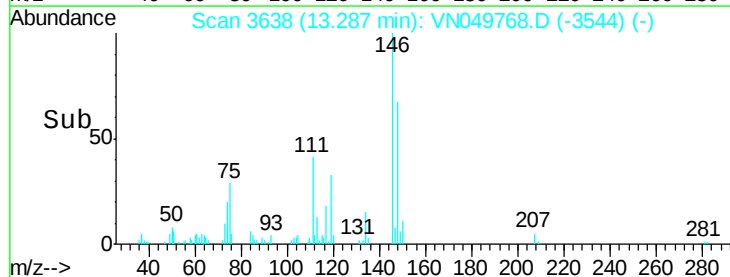
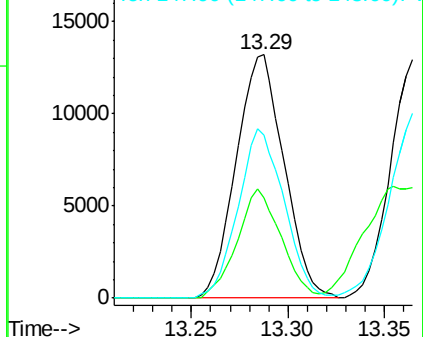


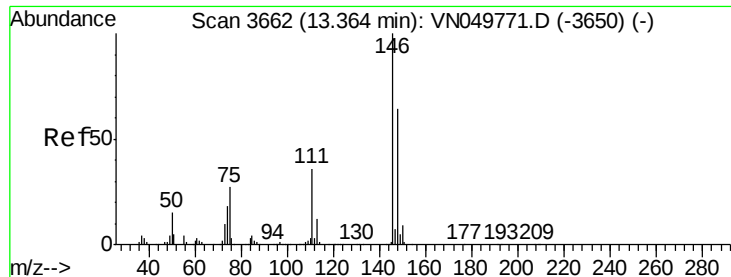
#87
1,3-Dichlorobenzene
Concen: 1.096 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion:146 Resp: 22681
Ion Ratio Lower Upper
146 100
111 41.2 19.0 57.0
148 67.1 32.5 97.5



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





#88

1,4-Dichlorobenzene

Concen: 1.127 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

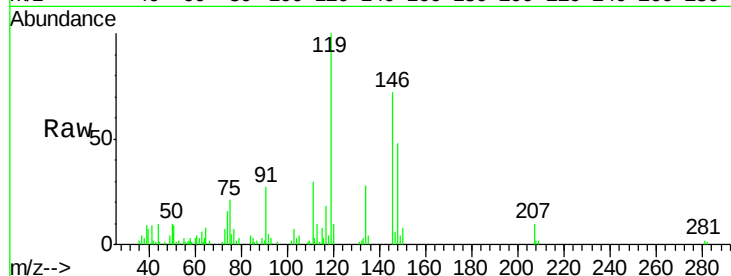
Tot Ion:146 Resp: 22681

Ion Ratio Lower Upper

146 100

111 41.2 18.9 56.5

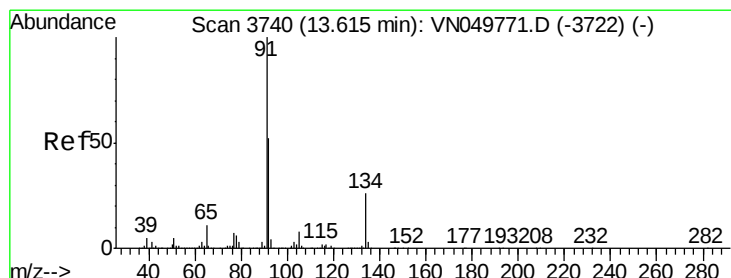
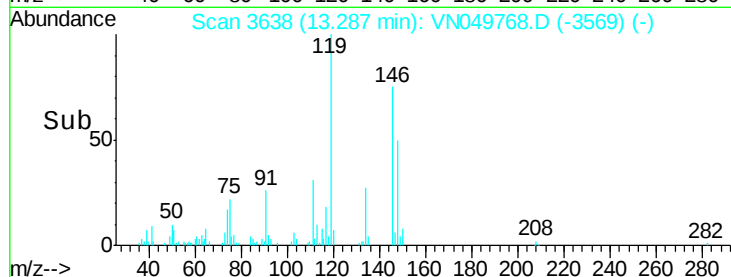
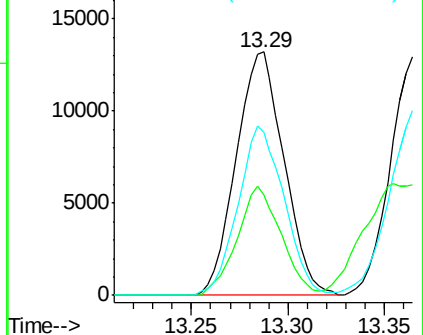
148 67.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.834 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

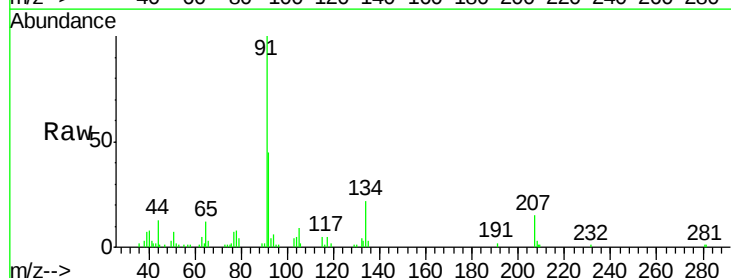
Tgt Ion: 91 Resp: 24420

Ion Ratio Lower Upper

91 100

92 47.5 25.8 77.3

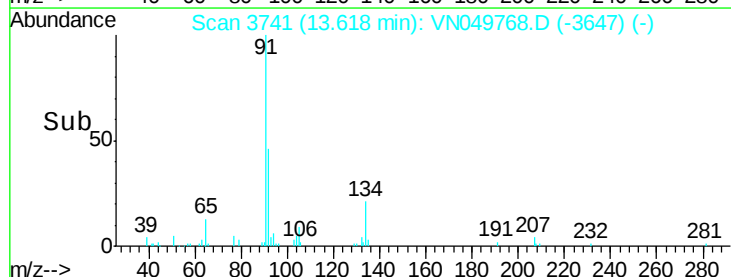
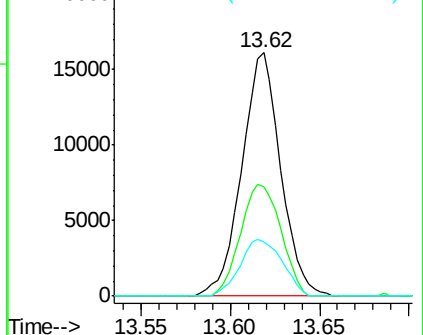
134 25.3 13.0 38.9

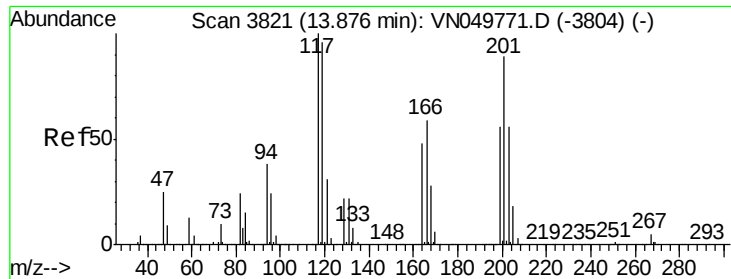


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

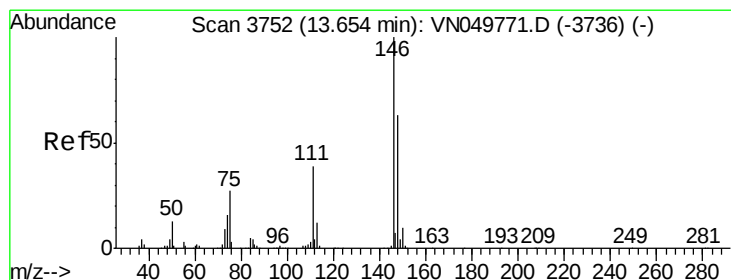
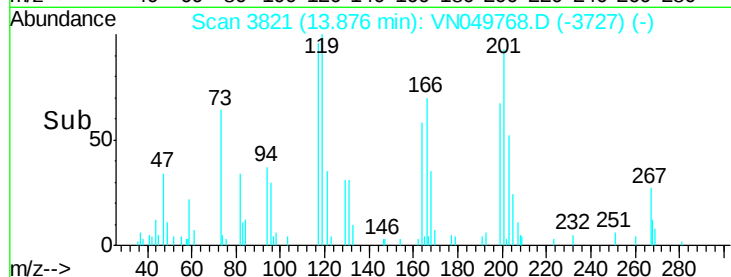
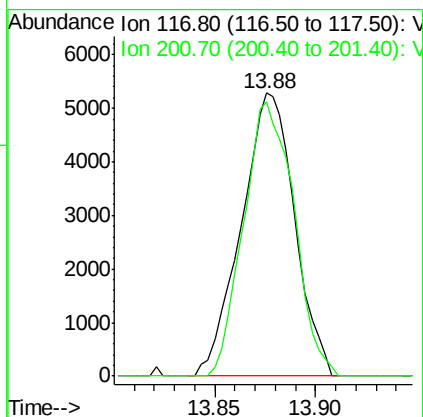
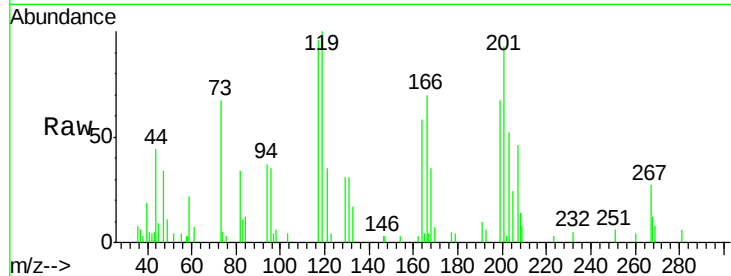




#90
Hexachloroethane
Concen: 0.593 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

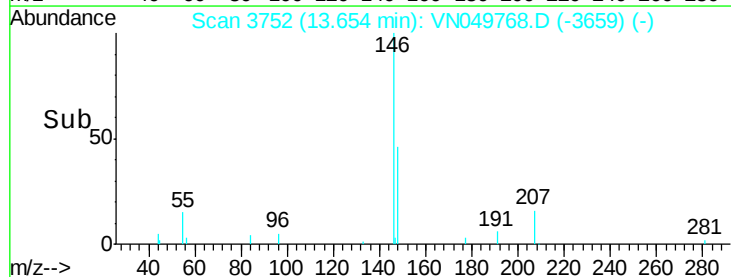
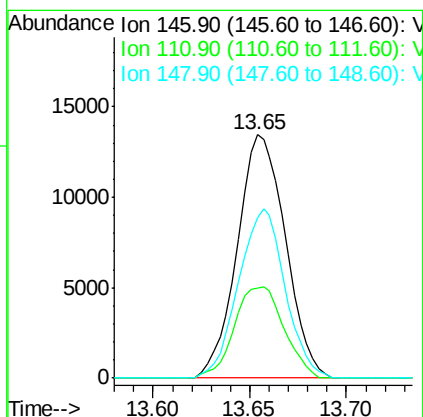
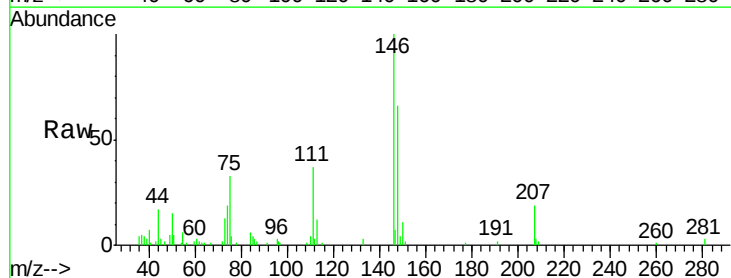
Instrument :
MSVOA_N
ClientSampled :

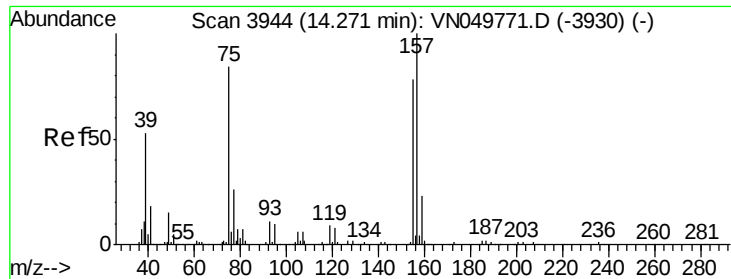
Tot Ion:117 Resp: 9763
Ion Ratio Lower Upper
117 100
201 91.6 45.3 135.8



#91
1,2-Dichlorobenzene
Concen: 1.157 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. -0.00 min
Lab File: VN049768.D
Acq: 12 Jul 2018 10:14

Tgt Ion:146 Resp: 23369
Ion Ratio Lower Upper
146 100
111 38.6 19.7 59.1
148 67.1 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.110 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

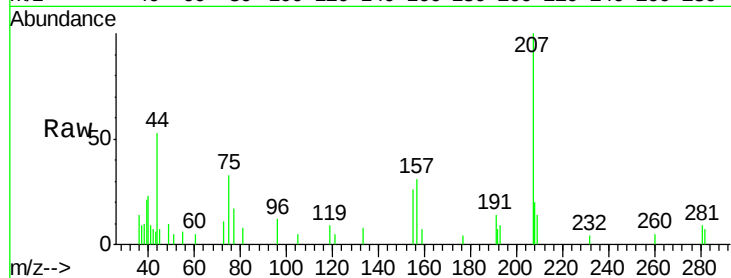
Tot Ion: 75 Resp: 2525

Ion Ratio Lower Upper

75 100

155 67.4 45.7 137.1

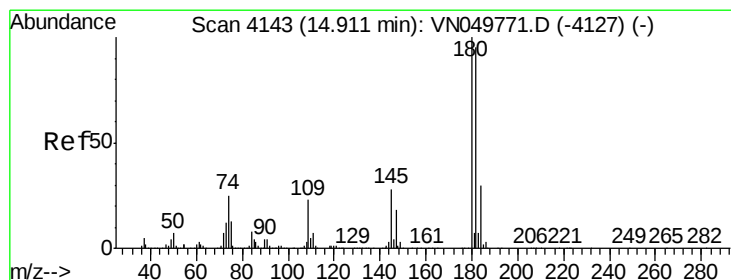
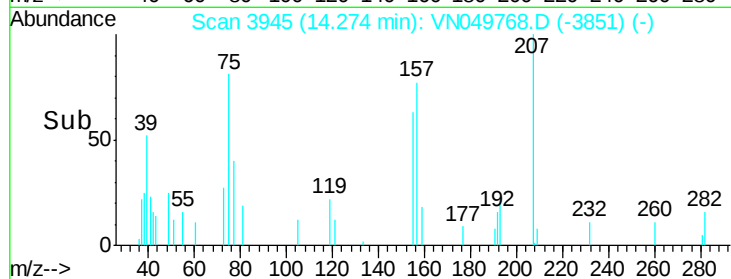
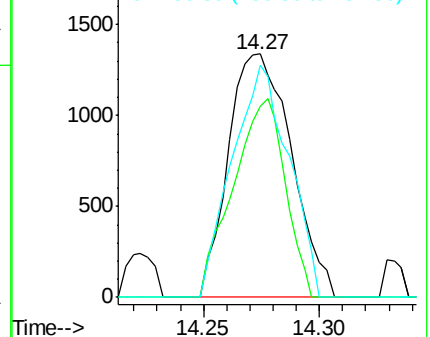
157 85.9 56.9 170.7



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN049771.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN049771.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.591 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

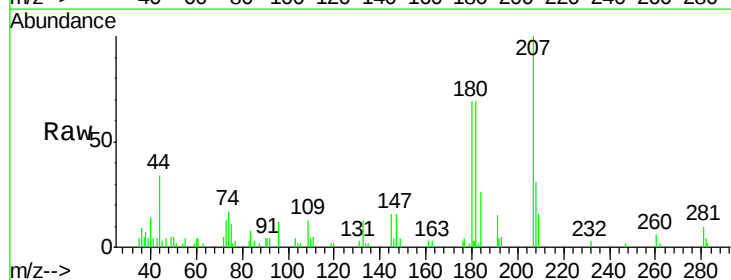
Tgt Ion: 180 Resp: 8248

Ion Ratio Lower Upper

180 100

182 96.8 47.3 141.9

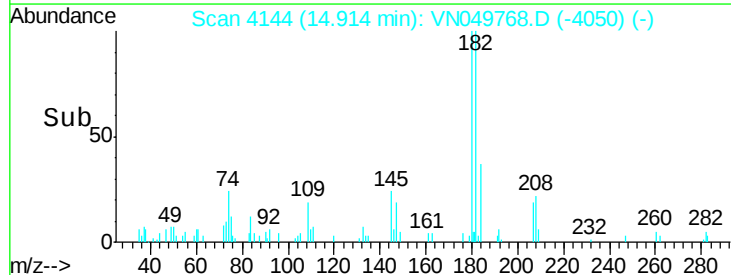
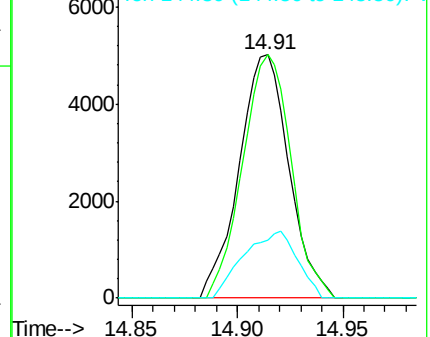
145 29.4 14.4 43.0

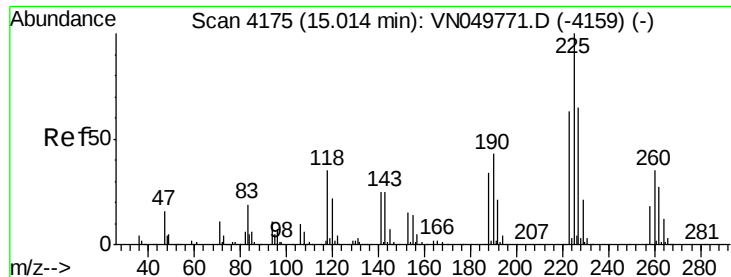


Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

Ion 181.80 (181.50 to 182.50): VN049771.D (-4127) (-)

Ion 144.80 (144.50 to 145.50): VN049771.D (-4127) (-)





#94

Hexachlorobutadiene

Concen: 0.355 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

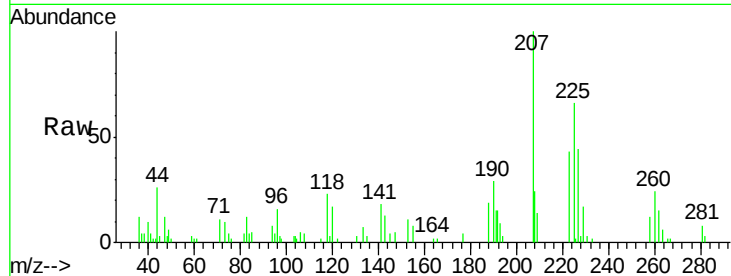
Tot Ion:225 Resp: 8774

Ion Ratio Lower Upper

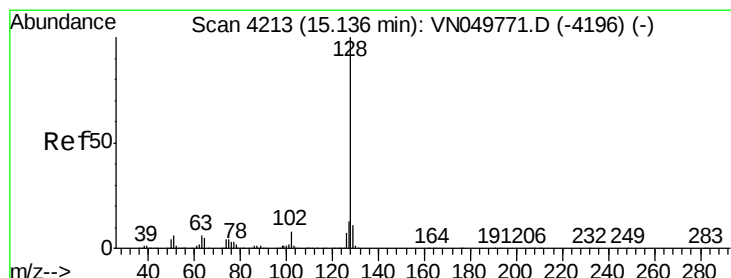
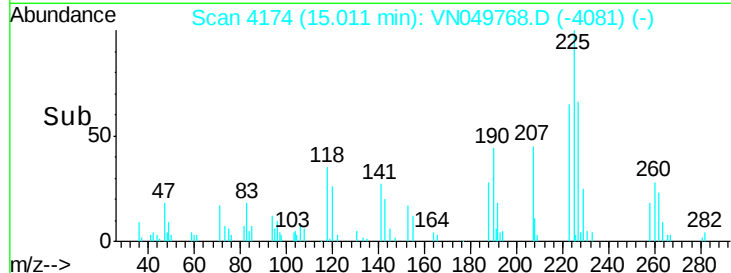
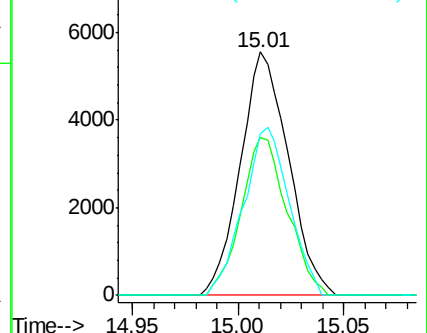
225 100

223 62.2 30.9 92.7

227 65.8 31.8 95.4



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



#95

Naphthalene

Concen: 4.644 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049768.D

Acq: 12 Jul 2018 10:14

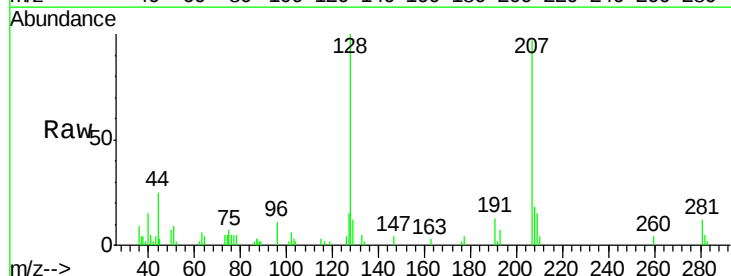
Tgt Ion:128 Resp: 16107

Ion Ratio Lower Upper

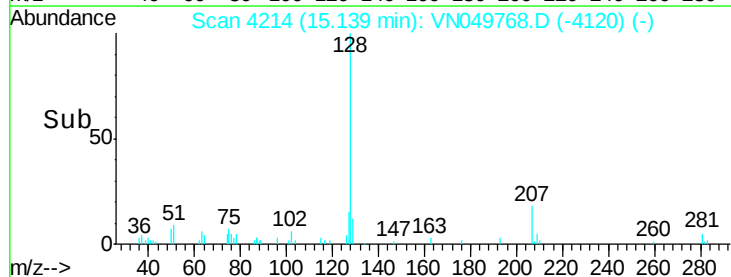
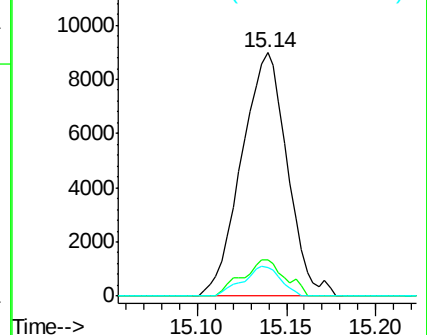
128 100

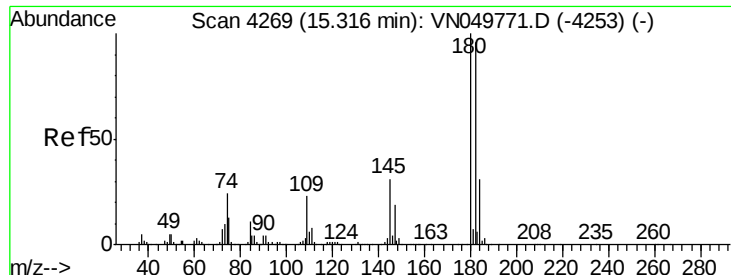
127 13.9 10.4 15.6

129 10.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

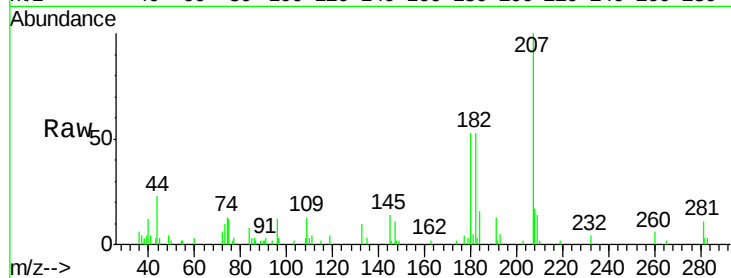




#96
 1,2,3-Trichlorobenzene
 Concen: 0.959 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049768.D
 Acq: 12 Jul 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.6	47.4	142.2
145	28.5	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

