

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049984.D
 Acq On : 21 Jul 2018 2:39
 Operator : MD\SY
 Sample : VN0720WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Quant Time: Jul 21 05:18:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	544943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	383951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404318	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.59	113	359872	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	1301941	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	426800	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93110	17.81	ug/l	93
3) Chloromethane	2.06	50	126154	16.96	ug/l	99
4) Vinyl Chloride	2.18	62	141264	17.81	ug/l	99
5) Bromomethane	2.57	94	83908	17.68	ug/l	94
6) Chloroethane	2.70	64	92433	17.84	ug/l	99
7) Trichlorofluoromethane	3.01	101	199244	18.27	ug/l	99
8) Diethyl Ether	3.41	74	72478	19.05	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	121999	18.14	ug/l	100
10) Methyl Iodide	3.95	142	133614	14.81	ug/l	98
11) Tert butyl alcohol	4.81	59	46454	87.06	ug/l	100
12) 1,1-Dichloroethene	3.73	96	106122	17.96	ug/l	99
13) Acrolein	3.61	56	21498	62.52	ug/l	91
14) Allyl chloride	4.32	41	169262	18.17	ug/l	99
15) Acrylonitrile	5.00	53	224682	95.74	ug/l	98
16) Acetone	3.82	43	166722	85.97	ug/l	96
17) Carbon Disulfide	4.05	76	273787	15.49	ug/l	98
18) Methyl Acetate	4.33	43	138424	22.26	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	321436	19.77	ug/l	99
20) Methylene Chloride	4.55	84	138266	18.75	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	114324	18.22	ug/l	97
22) Diisopropyl ether	5.96	45	397384	20.91	ug/l	99
23) Vinyl Acetate	5.90	43	1275903	95.68	ug/l	100
24) 1,1-Dichloroethane	5.85	63	240711	19.73	ug/l	100
25) 2-Butanone	6.85	43	250524	90.39	ug/l	98
26) 2,2-Dichloropropane	6.83	77	142267	14.99	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	136020	19.76	ug/l	97
28) Bromochloromethane	7.20	49	117479	21.32	ug/l	100
29) Tetrahydrofuran	7.22	42	165574	94.84	ug/l	99
30) Chloroform	7.37	83	251901	20.11	ug/l	100
31) Cyclohexane	7.65	56	180848	18.21	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	211801	19.56	ug/l	99
36) 1,1-Dichloropropene	7.79	75	171989	18.11	ug/l	99
37) Ethyl Acetate	6.94	43	116426	17.85	ug/l	98
38) Carbon Tetrachloride	7.77	117	184443	18.13	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157783	16.08	ug/l	97
40) Benzene	8.04	78	536768	18.54	ug/l	99
41) Methacrylonitrile	7.18	41	51272	15.68	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	179162	18.69	ug/l	99
43) Isopropyl Acetate	8.17	43	235596	20.68	ug/l	96
44) Trichloroethene	8.84	130	139835	18.42	ug/l	99
45) 1,2-Dichloropropane	9.12	63	146883	18.81	ug/l	98
46) Dibromomethane	9.21	93	89723	18.53	ug/l	98
47) Bromodichloromethane	9.40	83	191853	19.15	ug/l	99
48) Methyl methacrylate	9.20	41	101926	17.83	ug/l	99
49) 1,4-Dioxane	9.20	88	27295	336.63	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	593945	93.25	ug/l	99
52) Toluene	10.16	92	327089	18.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	173700	17.54	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	198041	18.09	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	129986	18.22	ug/l	99
56) Ethyl methacrylate	10.43	69	150359	17.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	210770	18.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	373185	89.40	ug/l	99
59) 2-Hexanone	10.75	43	377507	88.24	ug/l	98
60) Dibromochloromethane	10.90	129	144217	18.44	ug/l	100
61) 1,2-Dibromoethane	11.01	107	122233	18.34	ug/l	98
64) Tetrachloroethene	10.63	164	135193	19.82	ug/l	99
65) Chlorobenzene	11.44	112	359051	18.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	141537	19.16	ug/l	100
67) Ethyl Benzene	11.51	91	576790	18.65	ug/l	99
68) m/p-Xylenes	11.63	106	451902	38.59	ug/l	98
69) o-Xylene	11.95	106	214105	19.04	ug/l	100
70) Styrene	11.97	104	355888	19.54	ug/l	100
71) Bromoform	12.13	173	99885	18.90	ug/l #	99
73) Isopropylbenzene	12.25	105	571608	19.60	ug/l	100
74) N-amyl acetate	12.07	43	164433	18.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	165088	18.89	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	189272	26.28	ug/l #	100
77) Bromobenzene	12.53	156	155084	19.26	ug/l	98
78) n-propylbenzene	12.59	91	651480	19.65	ug/l	100
79) 2-Chlorotoluene	12.68	91	406722	19.98	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	471886	20.19	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36120	15.68	ug/l	95
82) 4-Chlorotoluene	12.78	91	405257	19.84	ug/l	100
83) tert-Butylbenzene	12.99	119	404145	19.69	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	484496	20.46	ug/l	100
85) sec-Butylbenzene	13.17	105	545724	20.12	ug/l	100
86) p-Isopropyltoluene	13.29	119	458416	19.82	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264569	18.85	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	258547	18.38	ug/l	100
89) n-Butylbenzene	13.62	91	344660	18.05	ug/l	98
90) Hexachloroethane	13.88	117	94591	18.22	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	269225	19.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24025	17.80	ug/l	97

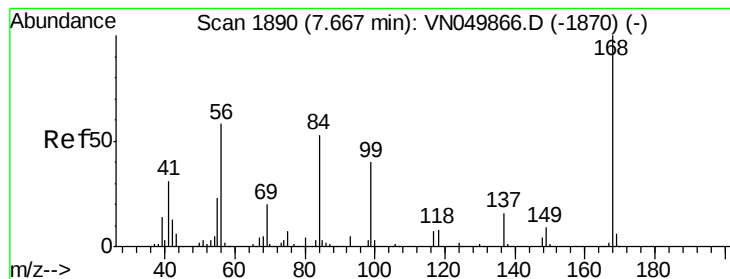
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107947	16.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	79437	17.57	ug/l	97
95) Naphthalene	15.14	128	224063	15.71	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	117239	17.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

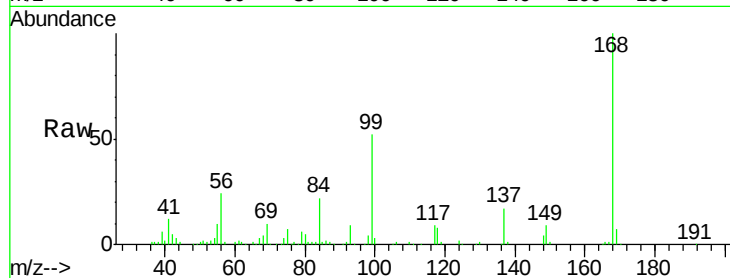
VN0720WBS02

Tot Ion:168 Resp: 544943

Ion Ratio Lower Upper

168 100

99 51.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

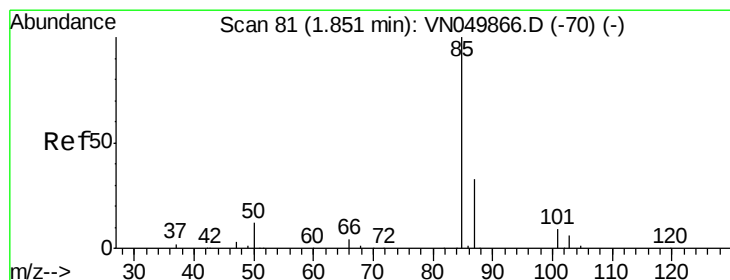
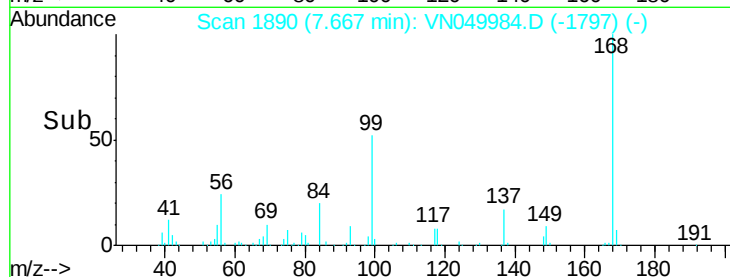
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.81 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049984.D

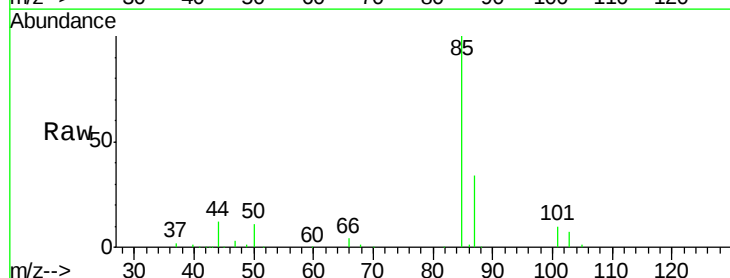
Acq: 21 Jul 2018 2:39

Tgt Ion: 85 Resp: 93110

Ion Ratio Lower Upper

85 100

87 34.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

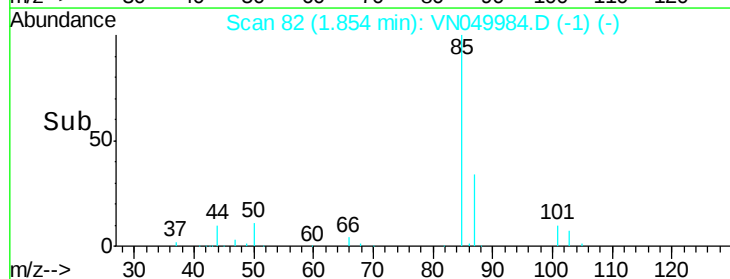
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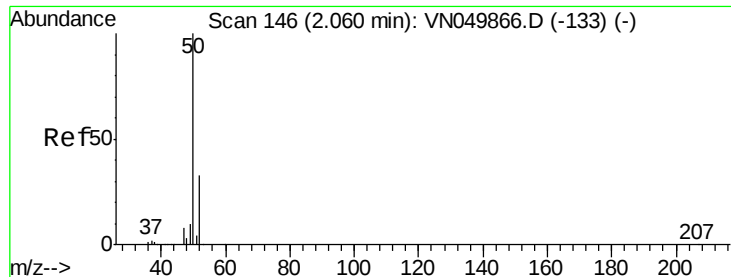
40000

20000

0

Time-->





#3

Chloromethane

Concen: 16.96 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

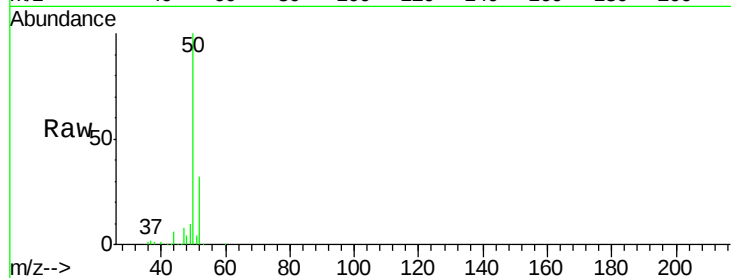
VN0720WBS02

Tot Ion: 50 Resp: 126154

Ion Ratio Lower Upper

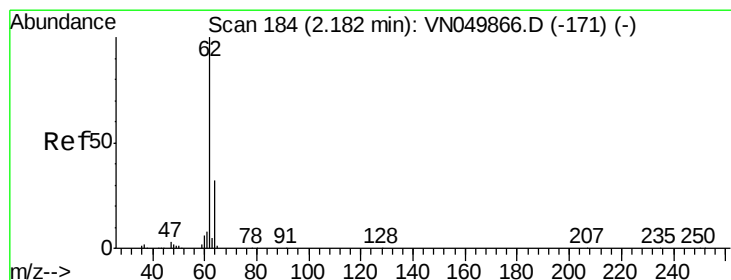
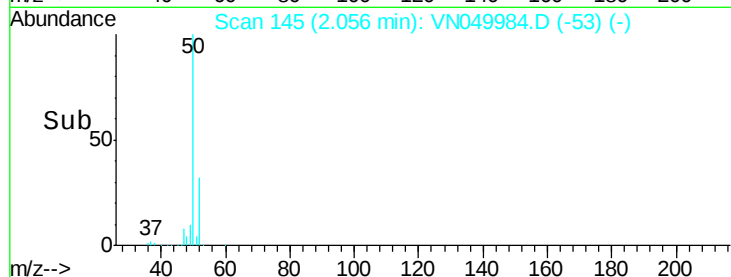
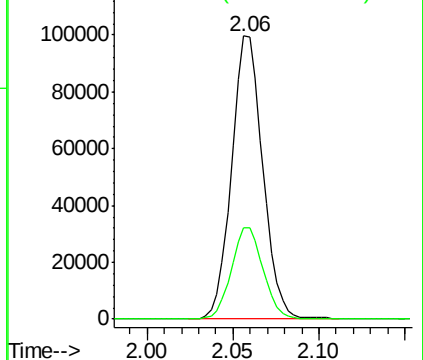
50 100

52 32.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.81 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049984.D

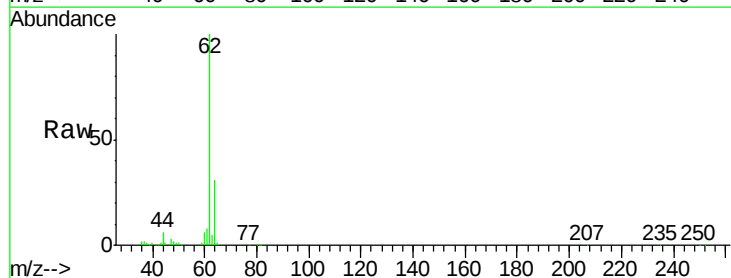
Acq: 21 Jul 2018 2:39

Tgt Ion: 62 Resp: 141264

Ion Ratio Lower Upper

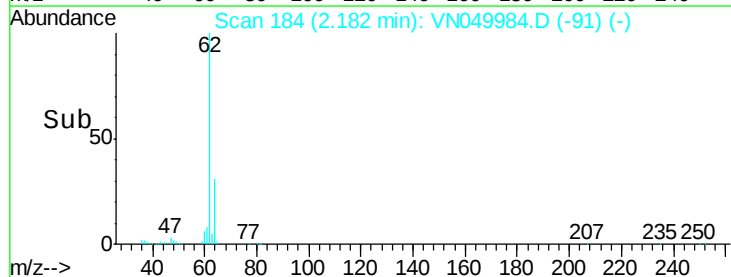
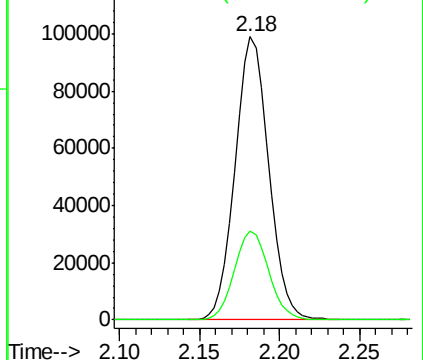
62 100

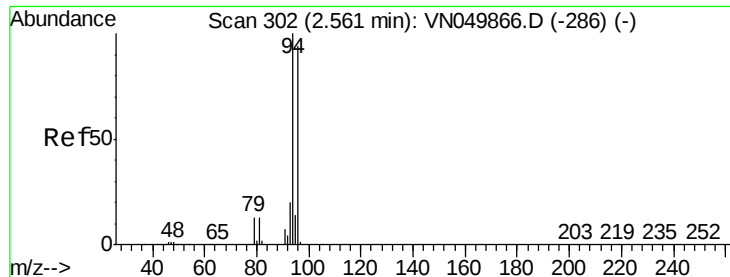
64 31.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 17.68 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

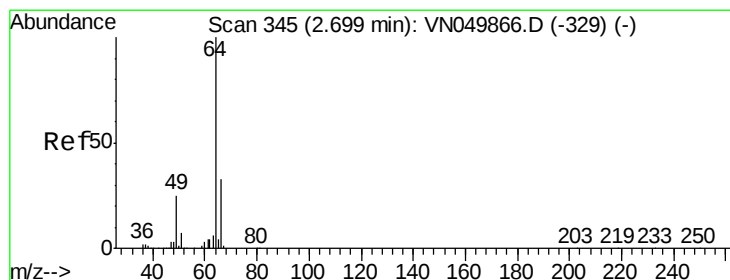
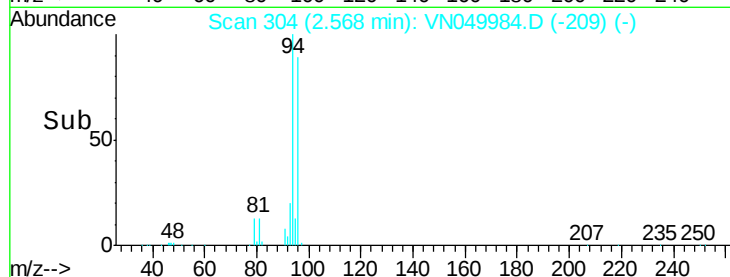
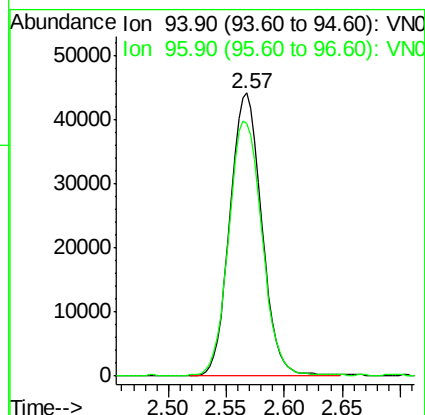
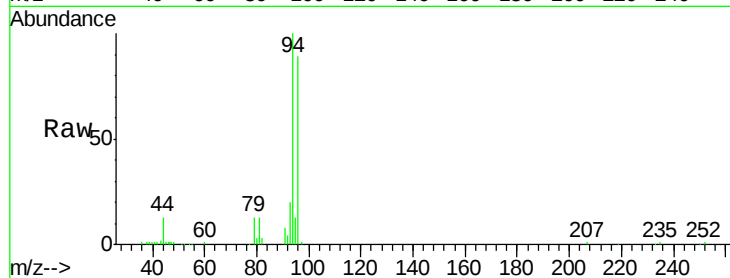
VN0720WBS02

Tot Ion: 94 Resp: 83908

Ion Ratio Lower Upper

94 100

96 89.0 75.7 113.5



#6

Chloroethane

Concen: 17.84 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049984.D

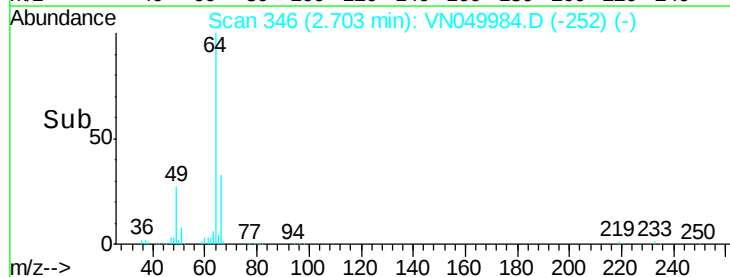
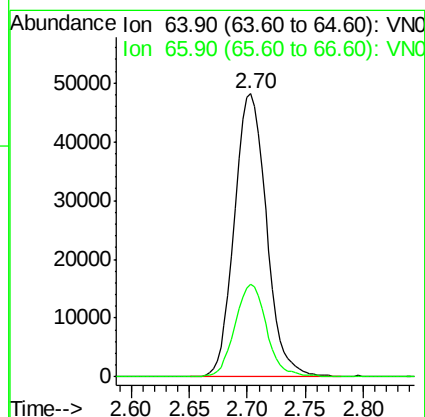
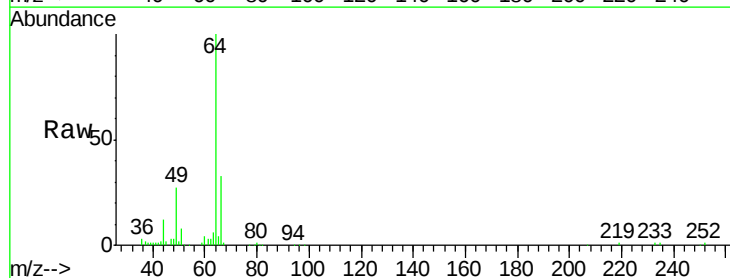
Acq: 21 Jul 2018 2:39

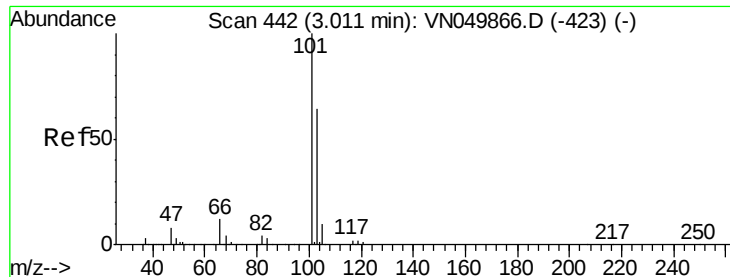
Tgt Ion: 64 Resp: 92433

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4





#7

Trichlorofluoromethane

Concen: 18.27 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

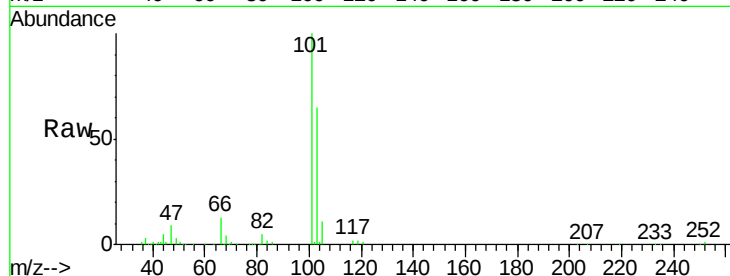
VN0720WBS02

Tot Ion:101 Resp: 199244

Ion Ratio Lower Upper

101 100

103 65.3 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

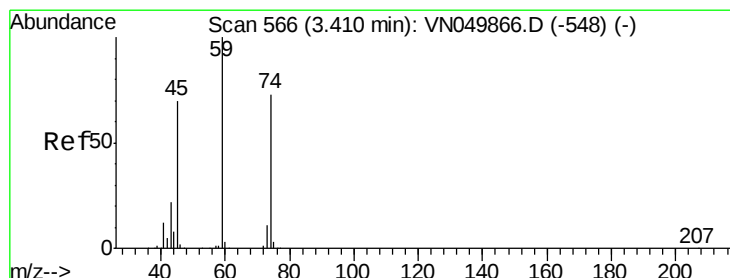
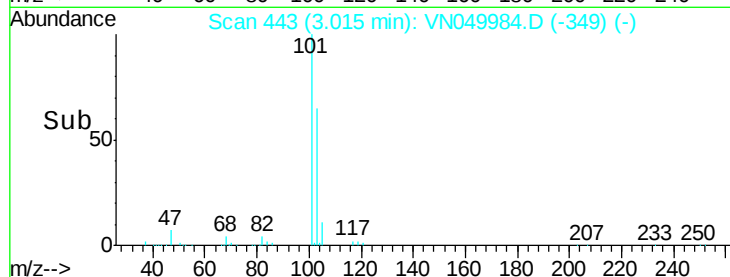
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.05 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049984.D

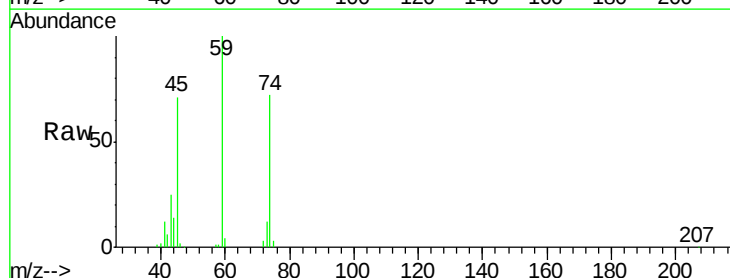
Acq: 21 Jul 2018 2:39

Tgt Ion: 74 Resp: 72478

Ion Ratio Lower Upper

74 100

45 96.2 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

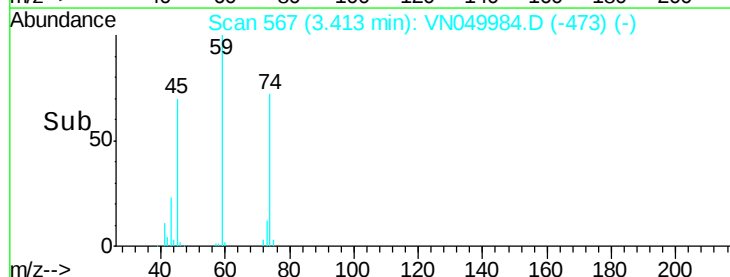
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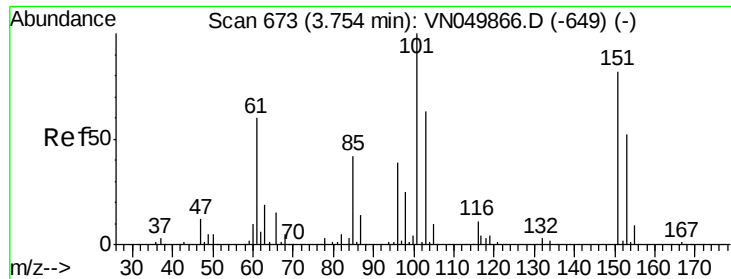
20000

10000

0

Time--> 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.14 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

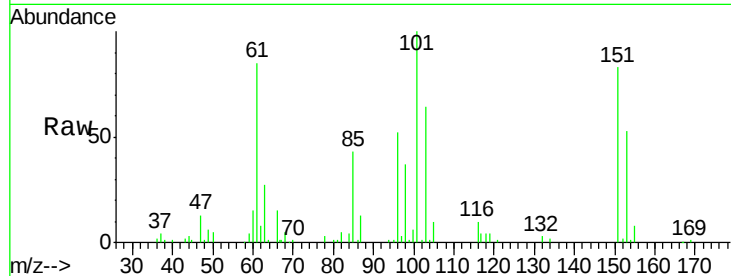
Tot Ion:101 Resp: 121999

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

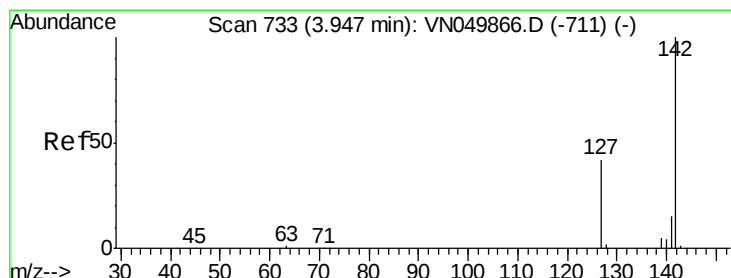
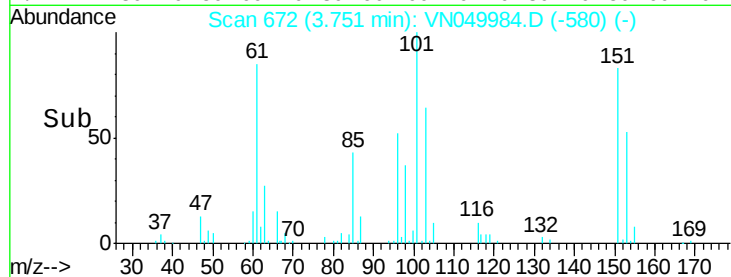
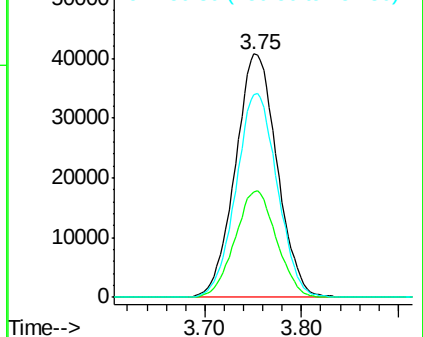
151 82.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.81 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

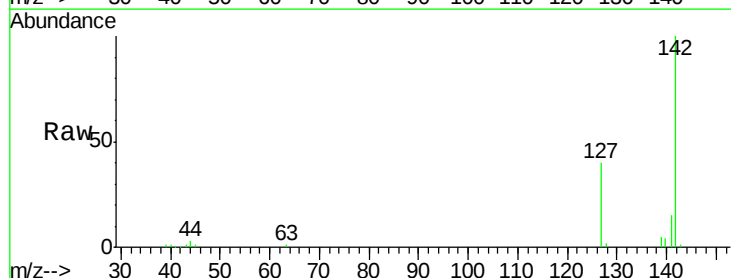
Tgt Ion:142 Resp: 133614

Ion Ratio Lower Upper

142 100

127 42.0 32.5 48.7

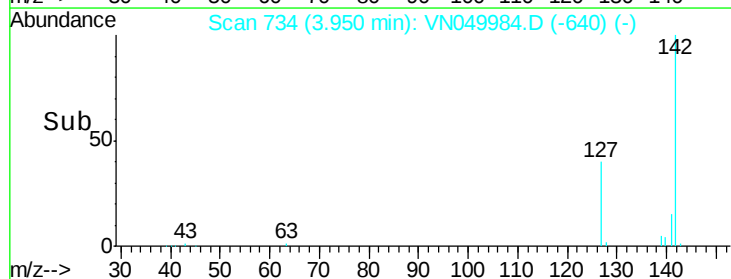
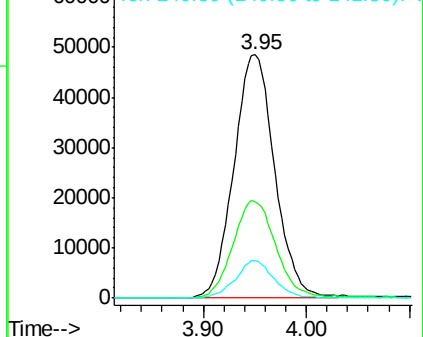
141 14.6 11.1 16.7

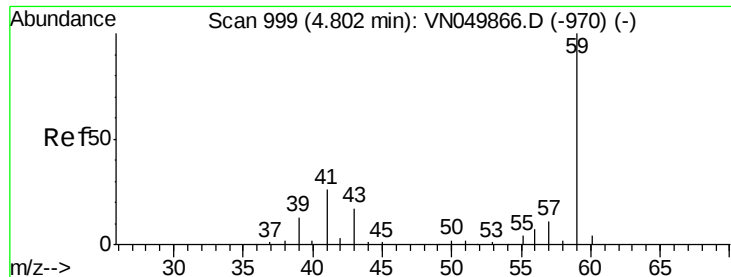


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

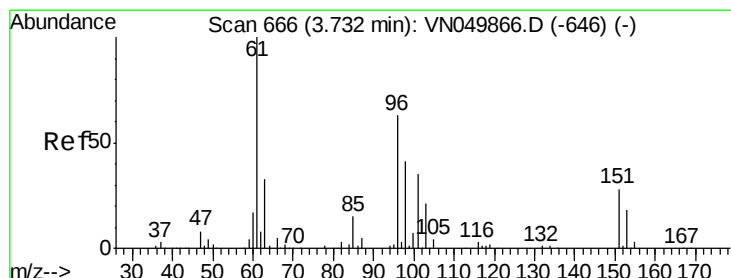
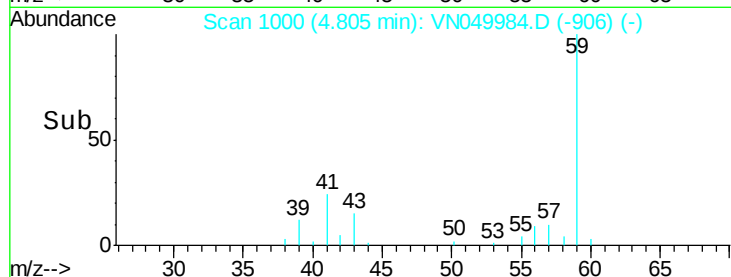
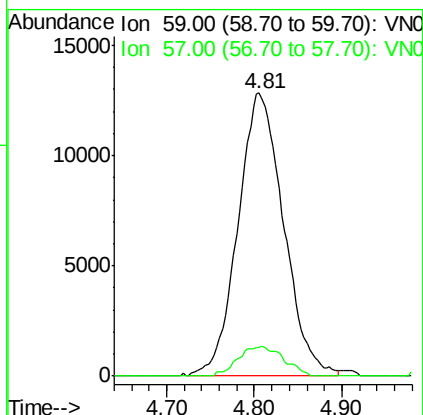
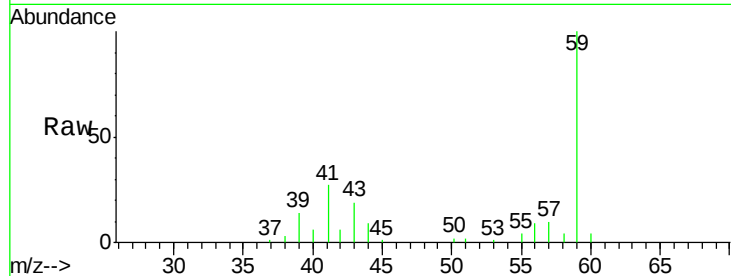




#11
Tert butyl alcohol
Concen: 87.06 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

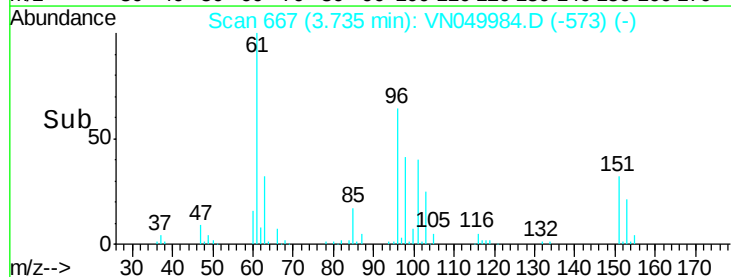
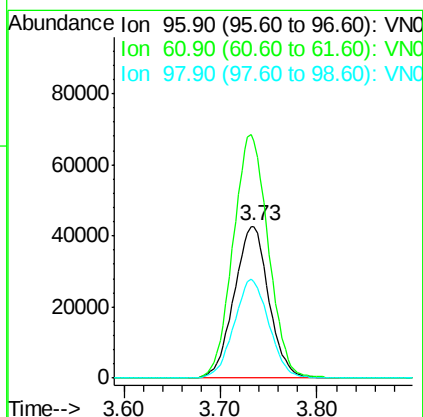
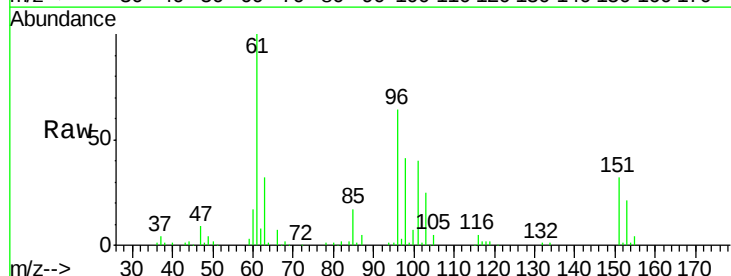
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

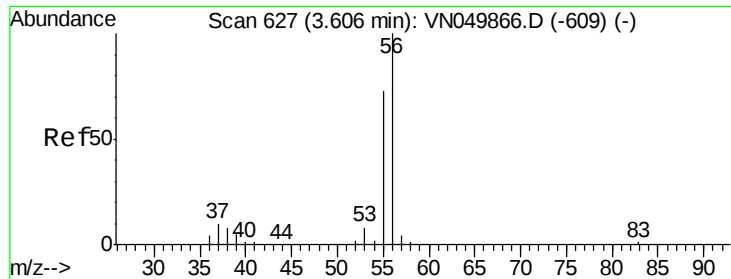
Tot Ion: 59 Resp: 46454
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



#12
1,1-Dichloroethene
Concen: 17.96 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 96 Resp: 106122
Ion Ratio Lower Upper
96 100
61 155.9 126.5 189.7
98 63.4 51.0 76.6





#13

Acrolein

Concen: 62.52 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

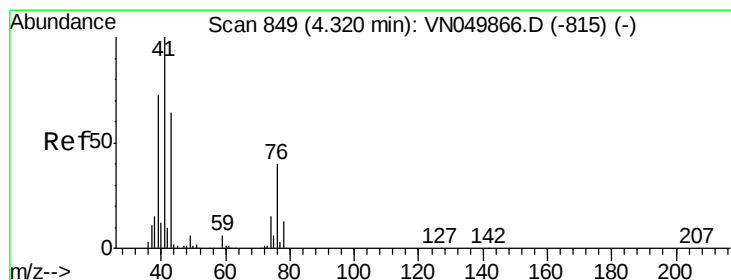
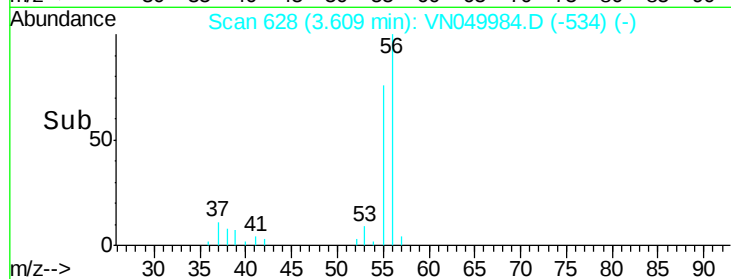
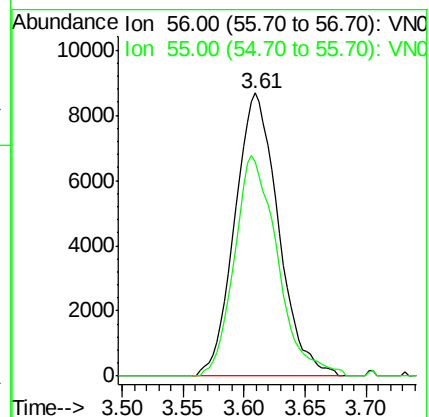
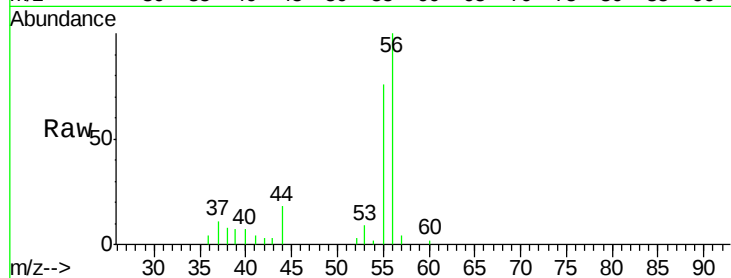
VN0720WBS02

Tot Ion: 56 Resp: 21498

Ion Ratio Lower Upper

56 100

55 77.2 55.8 83.8



#14

Allyl chloride

Concen: 18.17 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

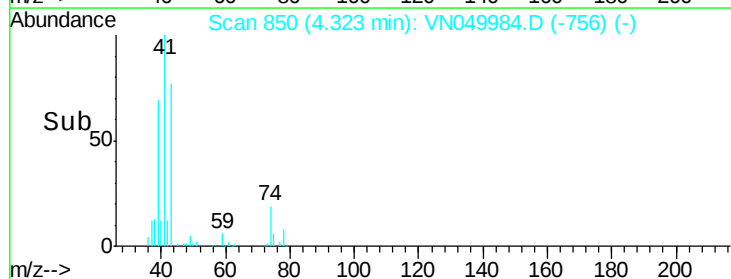
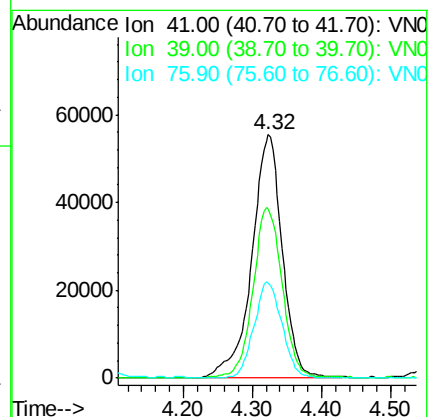
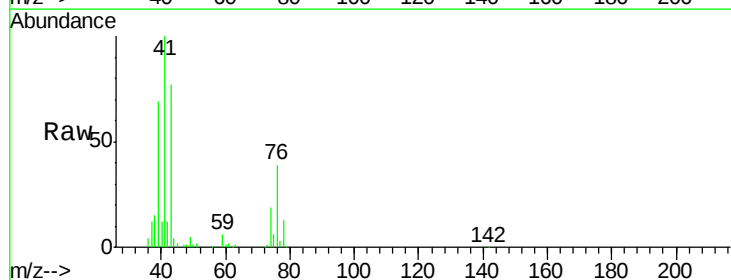
Tgt Ion: 41 Resp: 169262

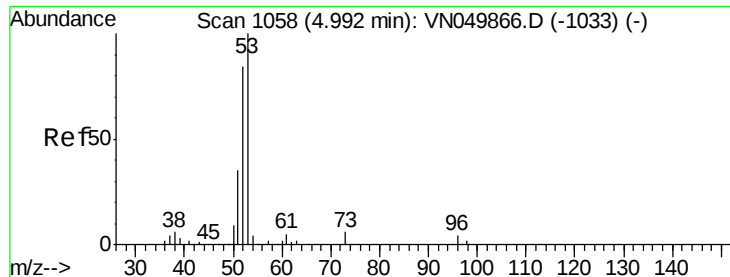
Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 95.74 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

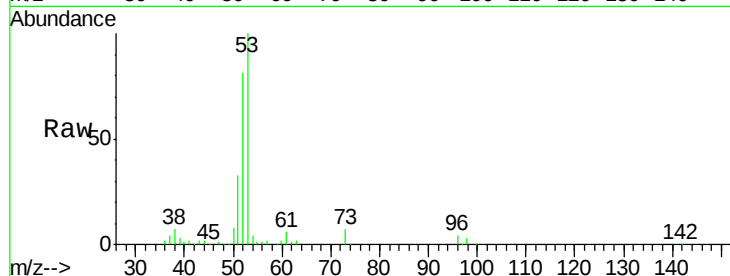
Tot Ion: 53 Resp: 224682

Ion Ratio Lower Upper

53 100

52 82.7 64.8 97.2

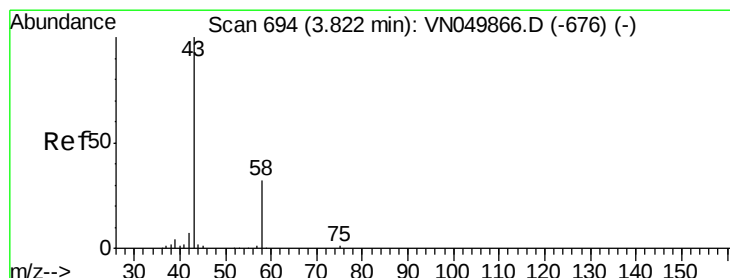
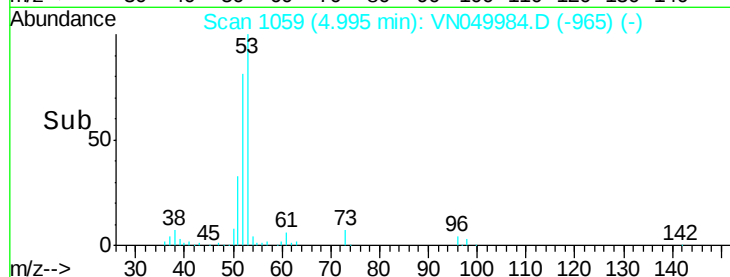
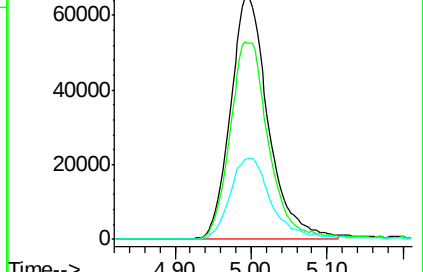
51 36.5 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049984.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049984.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049984.D (-965) (-)



#16

Acetone

Concen: 85.97 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049984.D

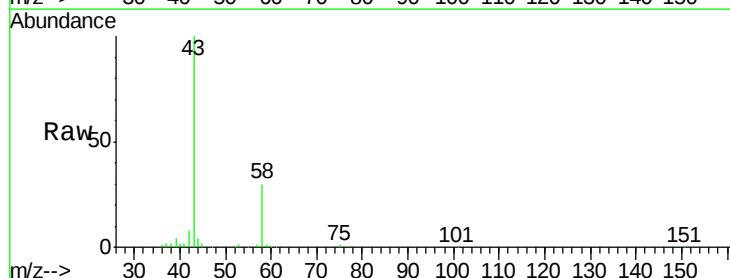
Acq: 21 Jul 2018 2:39

Tgt Ion: 43 Resp: 166722

Ion Ratio Lower Upper

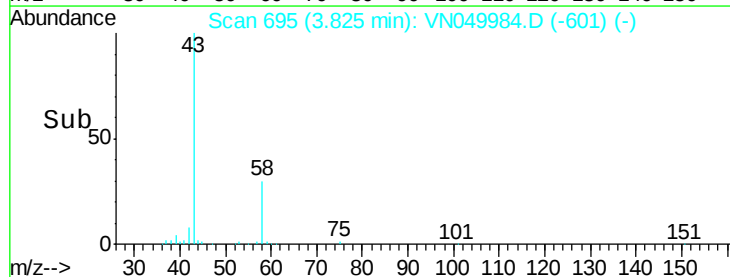
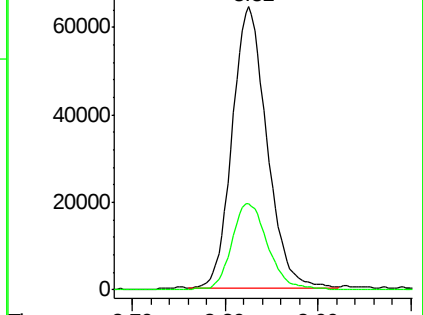
43 100

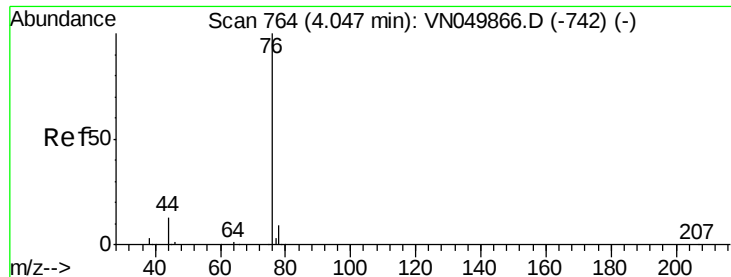
58 30.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049984.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049984.D (-601) (-)





#17

Carbon Disulfide

Concen: 15.49 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

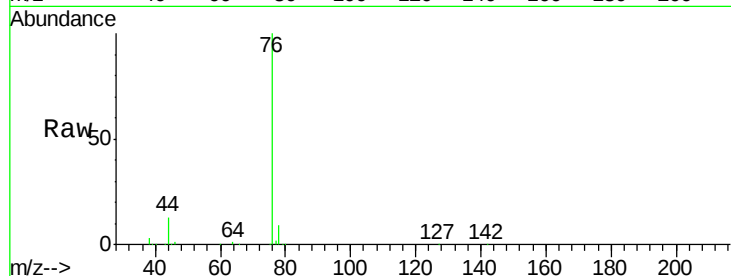
VN0720WBS02

Tot Ion: 76 Resp: 273787

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

120000

100000

80000

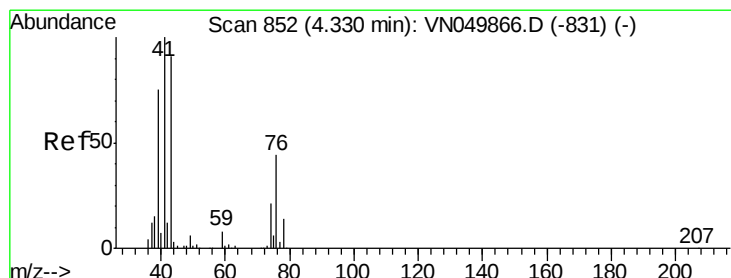
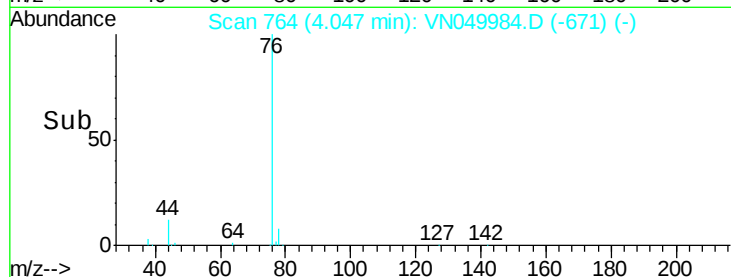
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.26 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049984.D

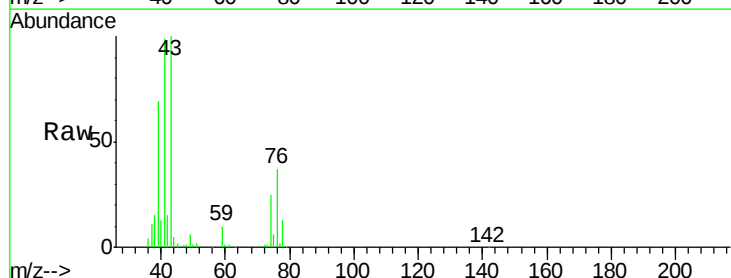
Acq: 21 Jul 2018 2:39

Tgt Ion: 43 Resp: 138424

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

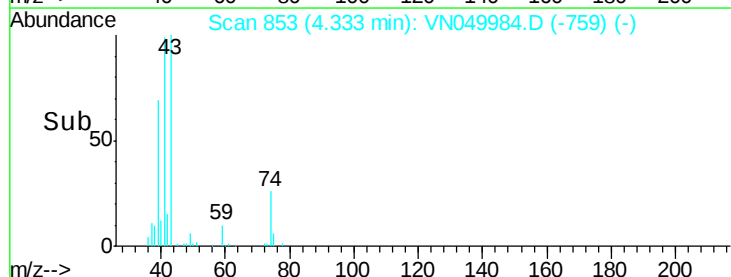
30000

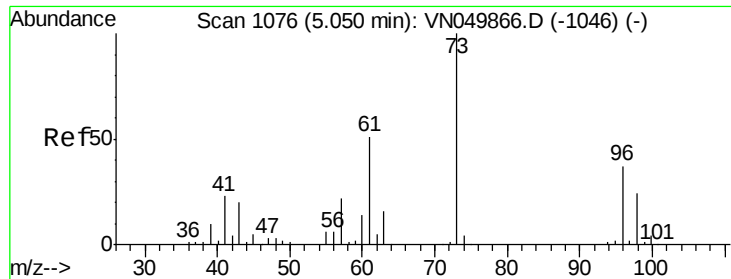
20000

10000

0

Time-->

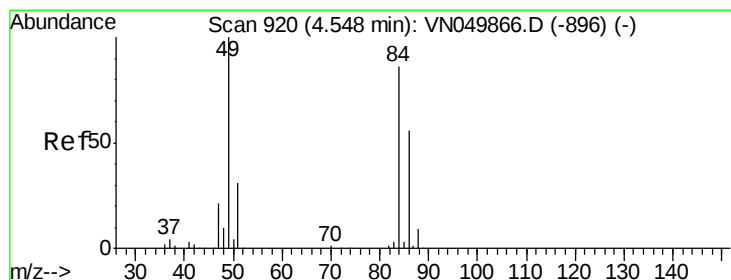
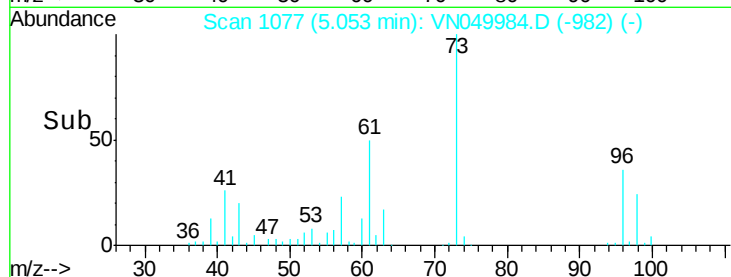
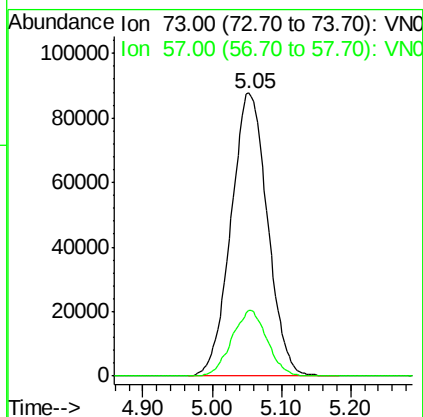
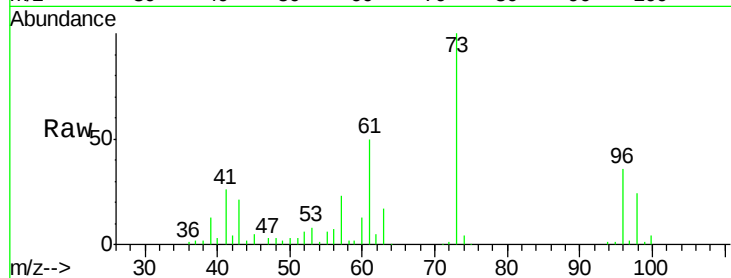




#19
Methyl tert-butyl Ether
Concen: 19.77 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

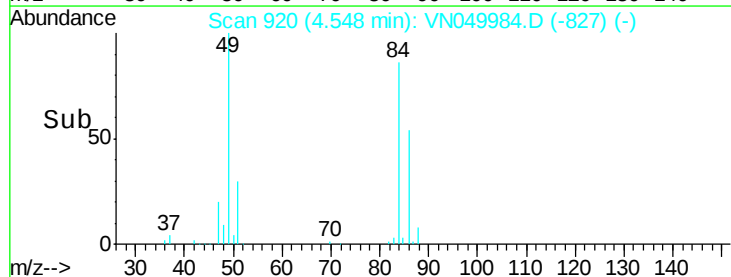
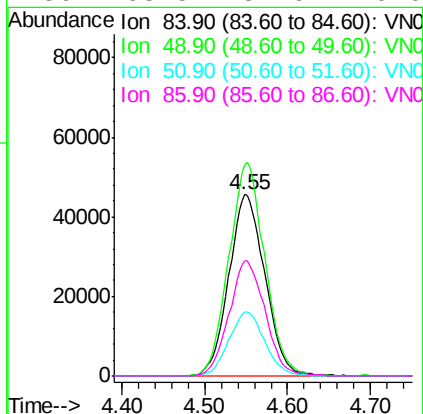
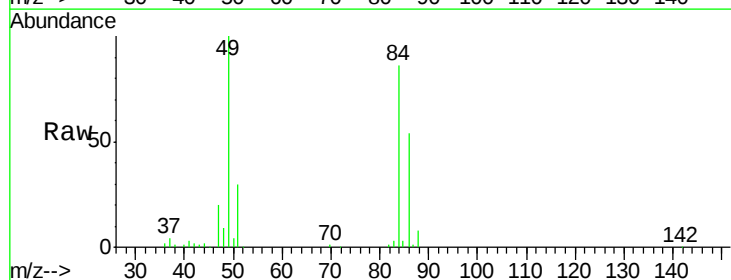
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

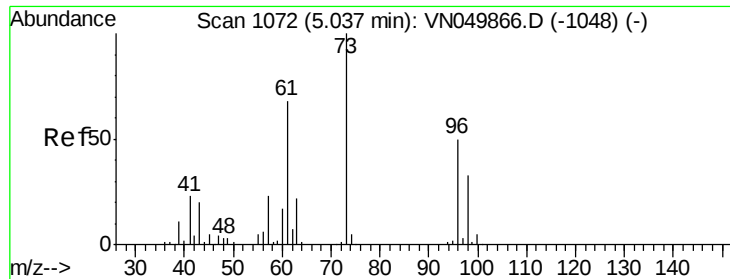
Tot Ion: 73 Resp: 321436
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1



#20
Methylene Chloride
Concen: 18.75 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 84 Resp: 138266
Ion Ratio Lower Upper
84 100
49 116.6 95.4 143.2
51 35.2 28.4 42.6
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.22 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

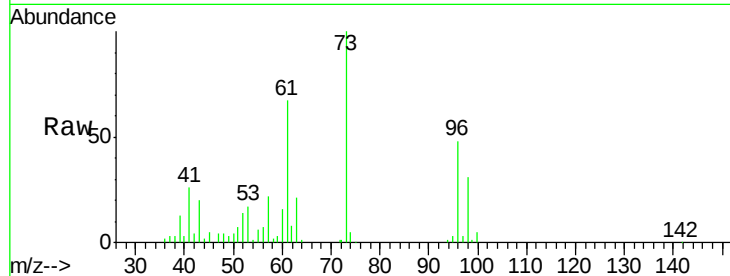
Tot Ion: 96 Resp: 114324

Ion Ratio Lower Upper

96 100

61 140.1 109.0 163.6

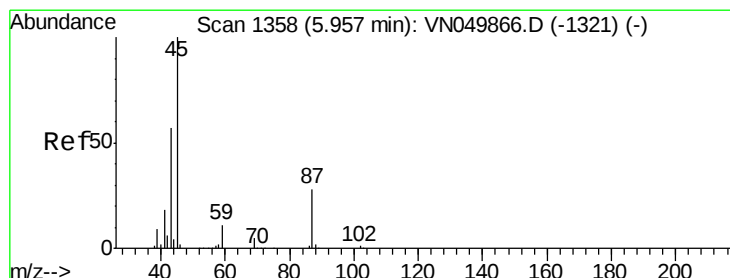
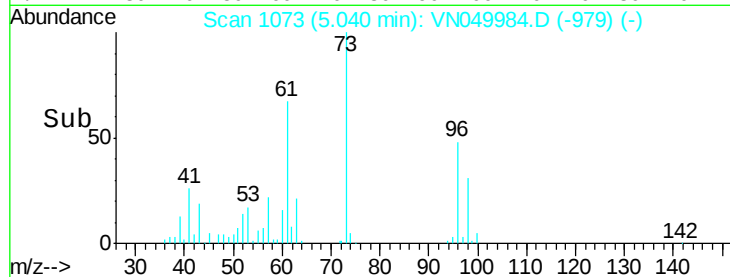
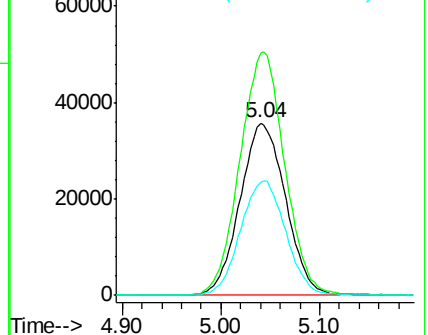
98 65.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.91 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion: 45 Resp: 397384

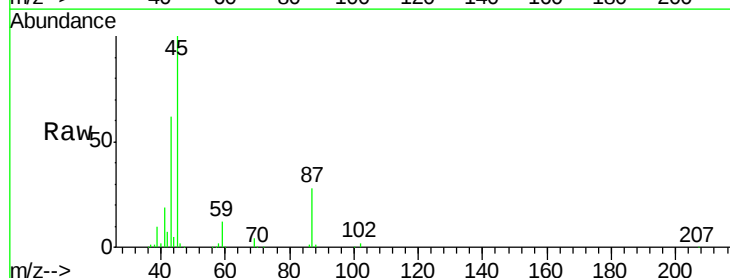
Ion Ratio Lower Upper

45 100

43 59.4 48.1 72.1

87 28.0 22.6 34.0

59 11.1 9.2 13.8

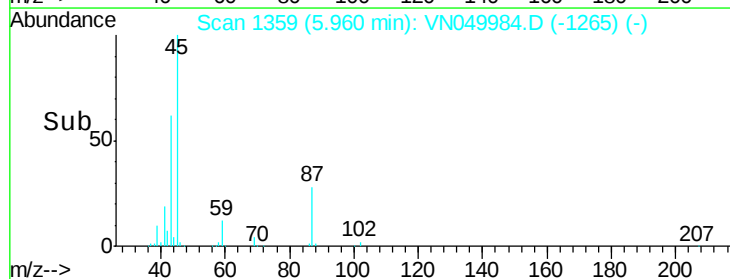
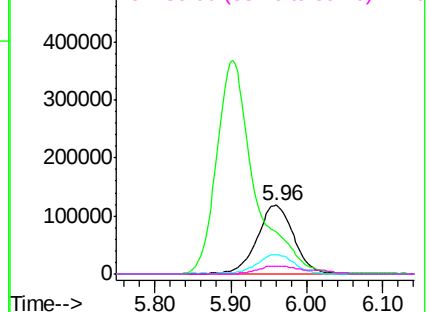


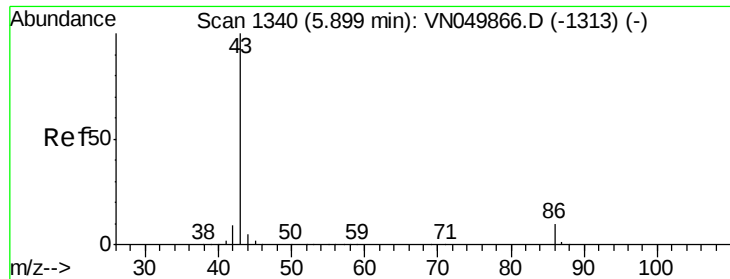
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

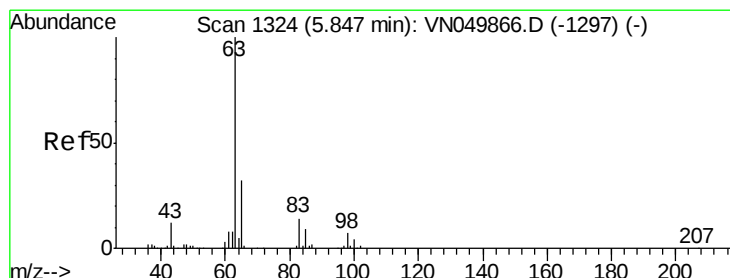
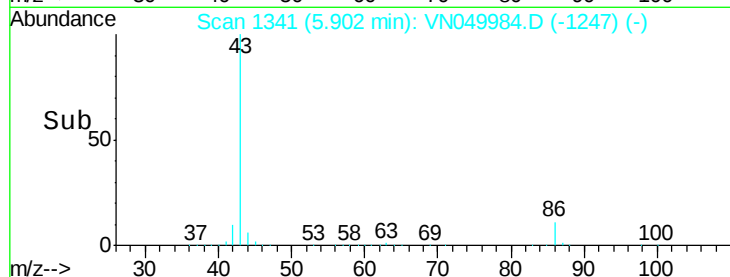
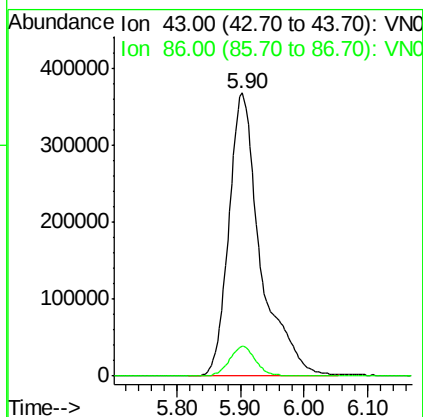
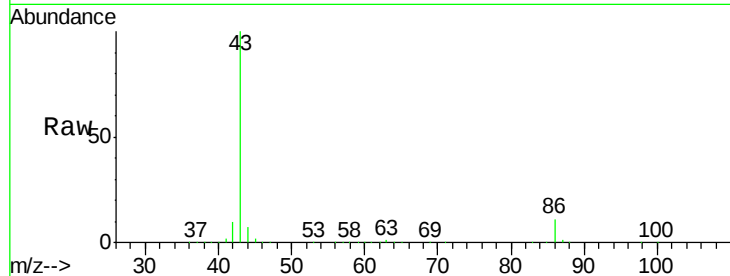




#23
 Vinyl Acetate
 Concen: 95.68 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

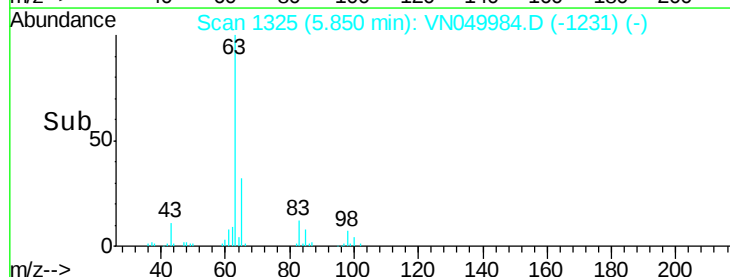
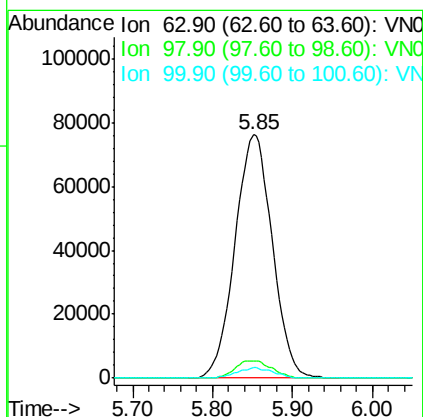
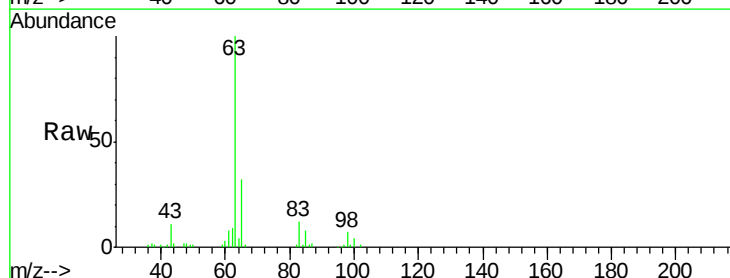
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

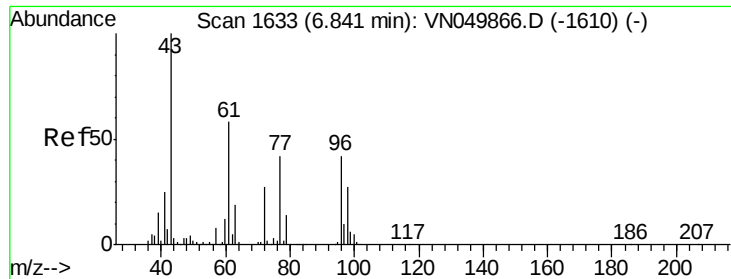
Tot Ion: 43 Resp: 1275903
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.73 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 63 Resp: 240711
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.1 2.2 6.6

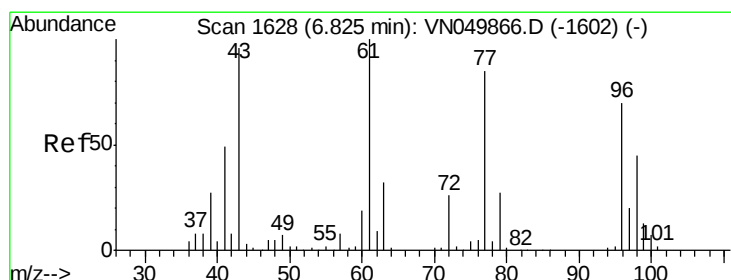
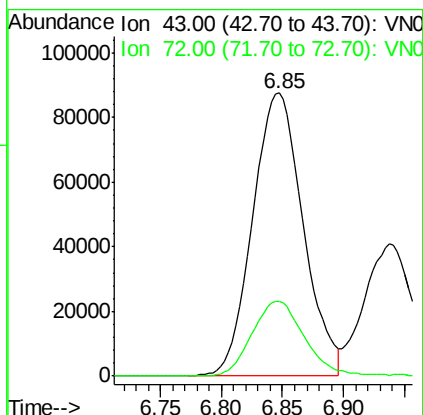
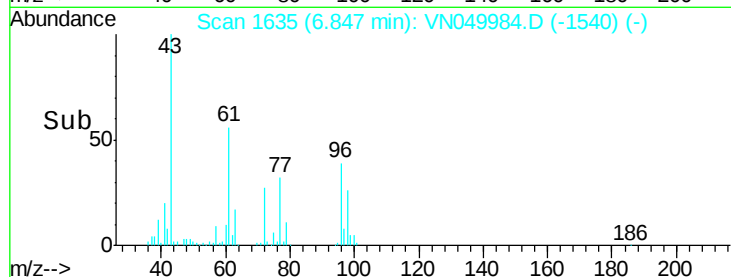
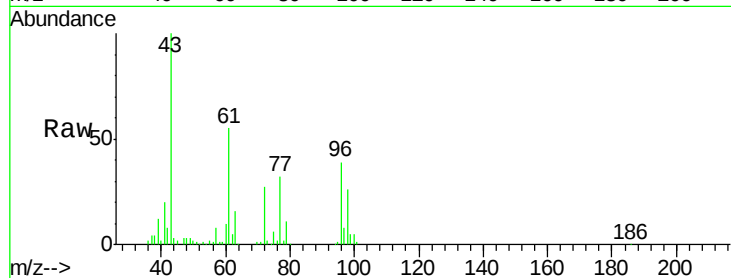




#25
2-Butanone
Concen: 90.39 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

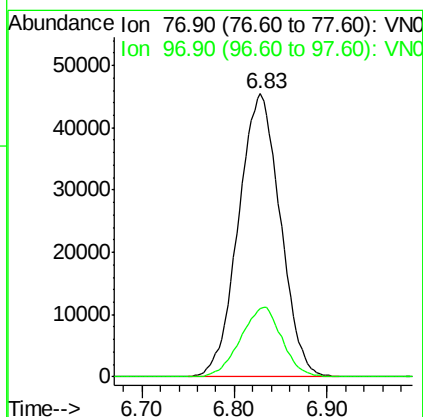
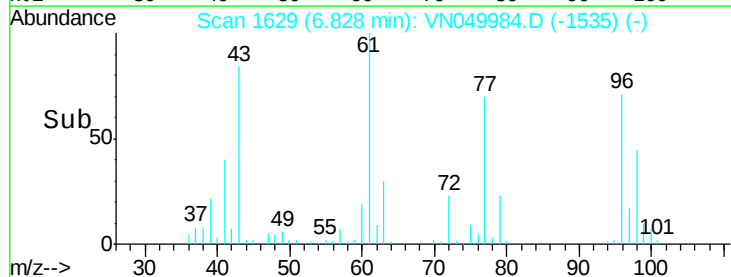
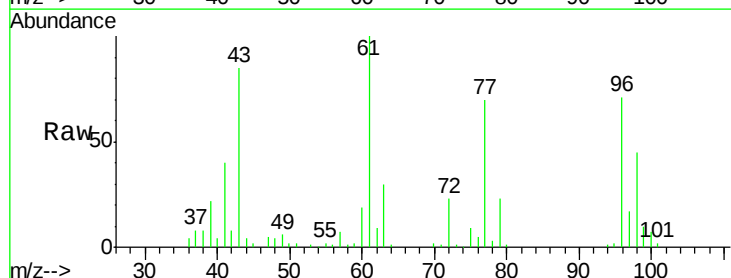
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

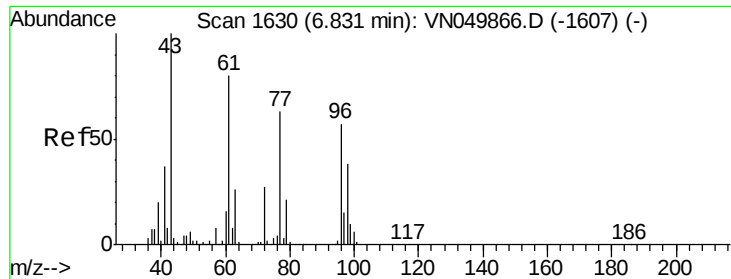
Tot Ion: 43 Resp: 250524
Ion Ratio Lower Upper
43 100
72 26.6 22.1 33.1



#26
2,2-Dichloropropane
Concen: 14.99 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 77 Resp: 142267
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.5

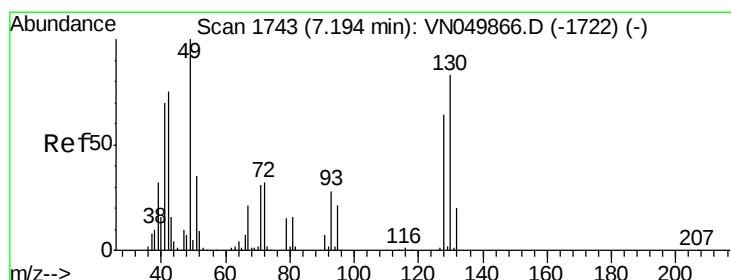
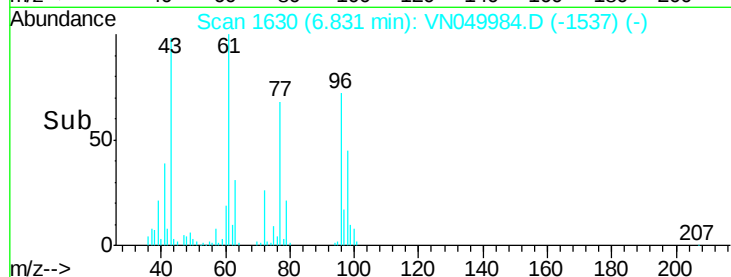
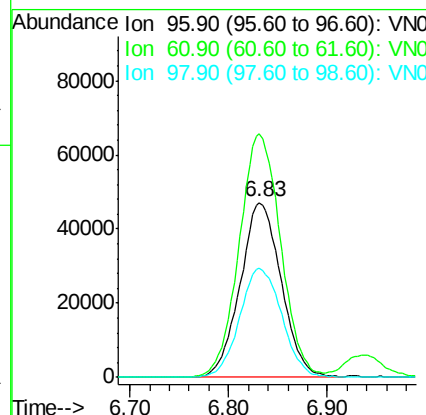
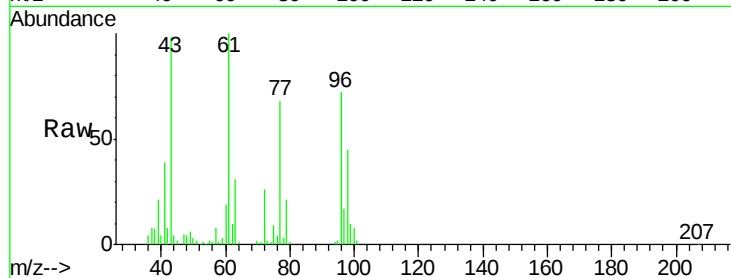




#27
 cis-1,2-Dichloroethene
 Concen: 19.76 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

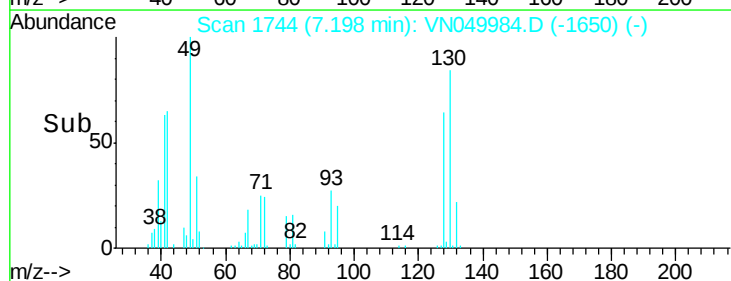
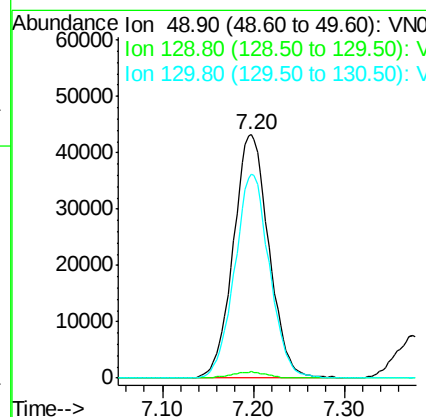
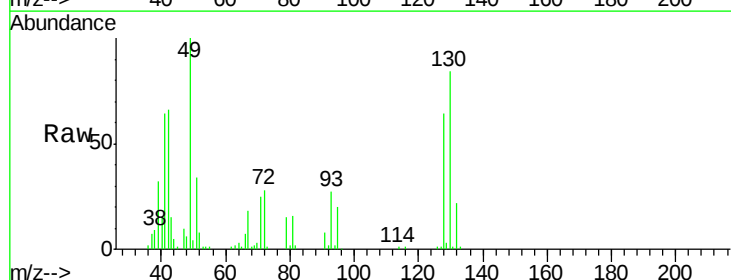
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

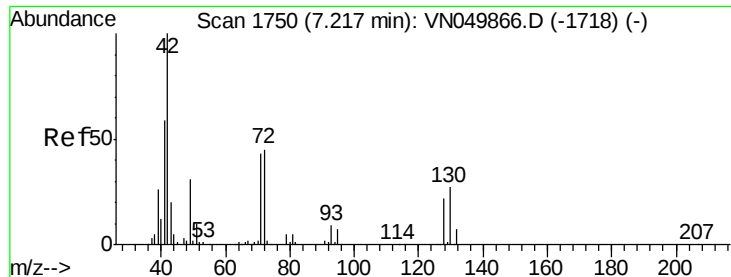
Tot Ion: 96 Resp: 136020
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 289.0
 98 64.1 0.0 130.2



#28
 Bromochloromethane
 Concen: 21.32 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 49 Resp: 117479
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.2
 130 82.2 65.5 98.3

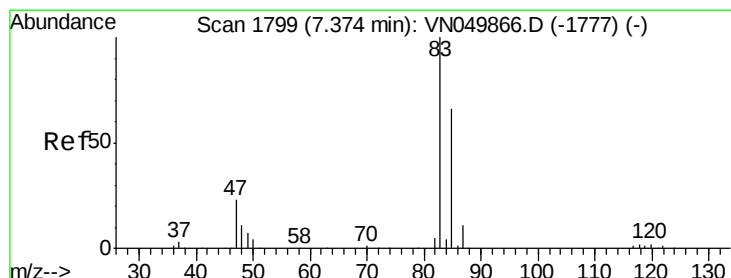
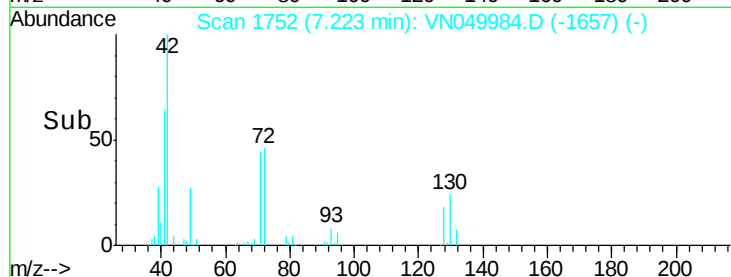
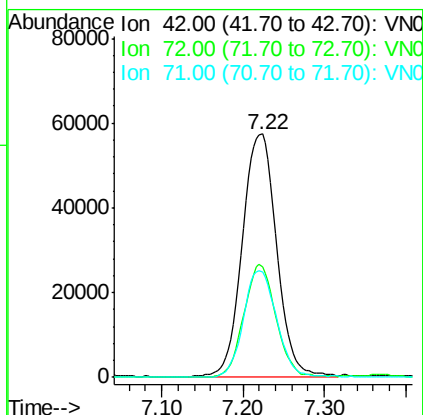
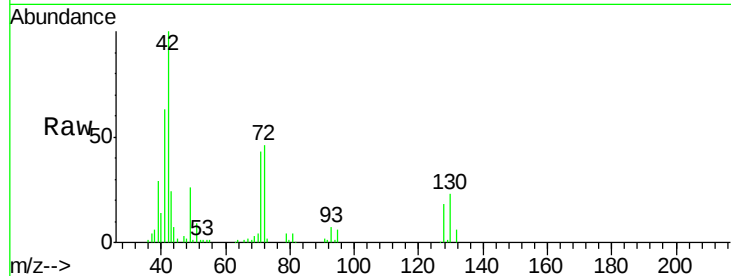




#29
Tetrahydrofuran
Concen: 94.84 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

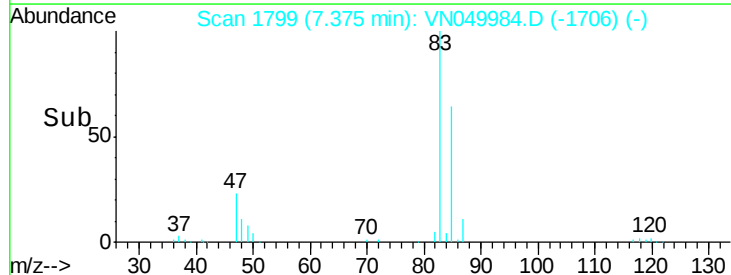
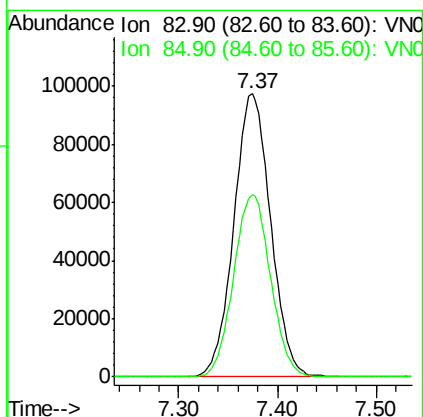
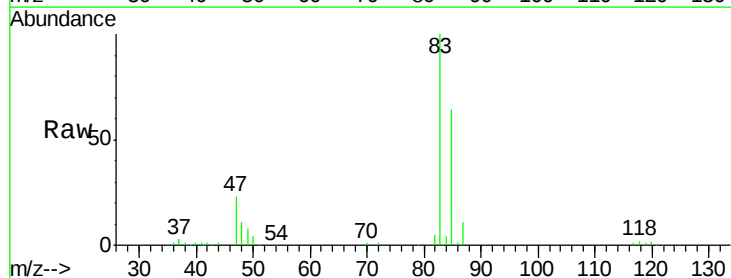
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

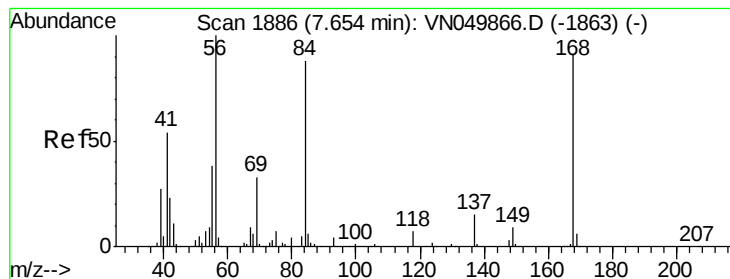
Tot Ion: 42 Resp: 165574
Ion Ratio Lower Upper
42 100
72 43.9 35.6 53.4
71 42.8 34.0 51.0



#30
Chloroform
Concen: 20.11 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 83 Resp: 251901
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.2





#31

Cyclohexane

Concen: 18.21 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

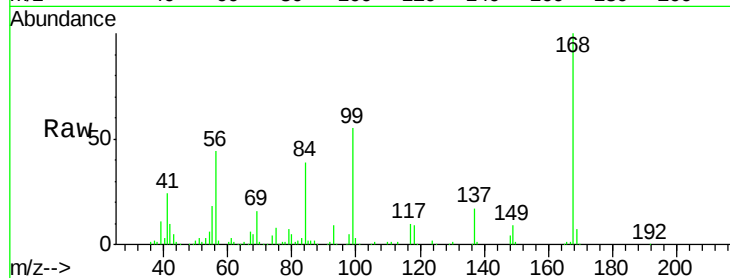
Tot Ion: 56 Resp: 180848

Ion Ratio Lower Upper

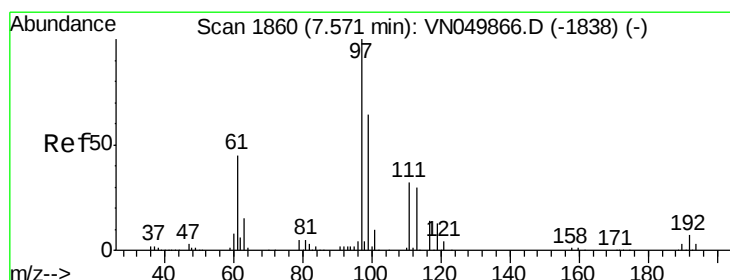
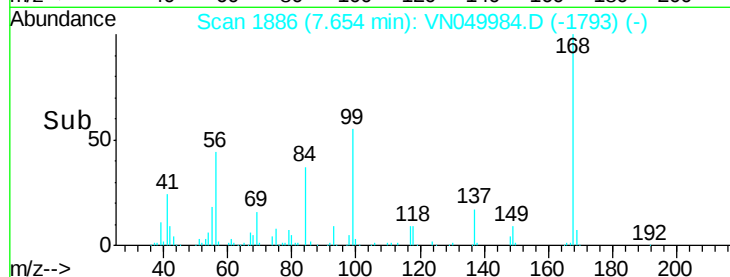
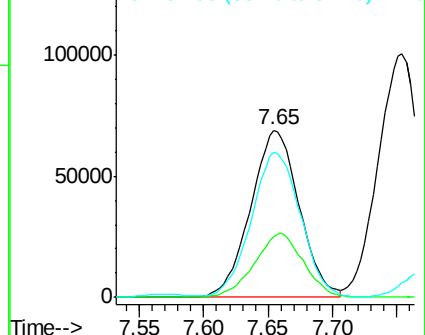
56 100

69 36.4 26.6 40.0

84 86.0 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.56 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

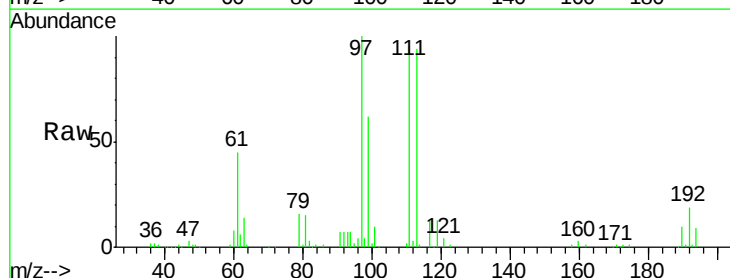
Tgt Ion: 97 Resp: 211801

Ion Ratio Lower Upper

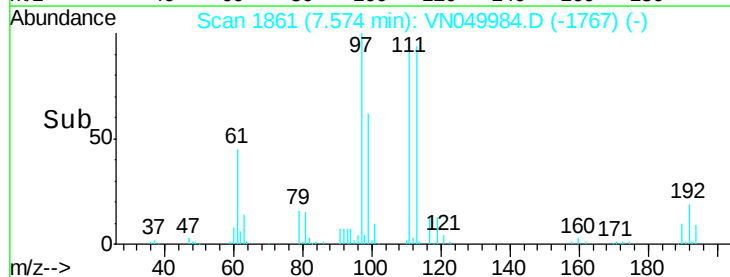
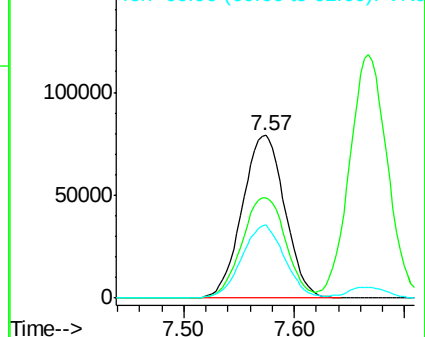
97 100

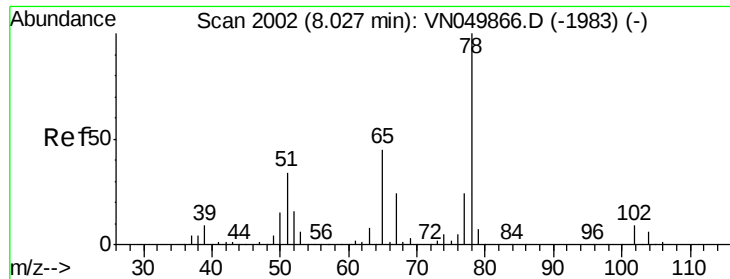
99 63.5 51.0 76.4

61 45.0 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

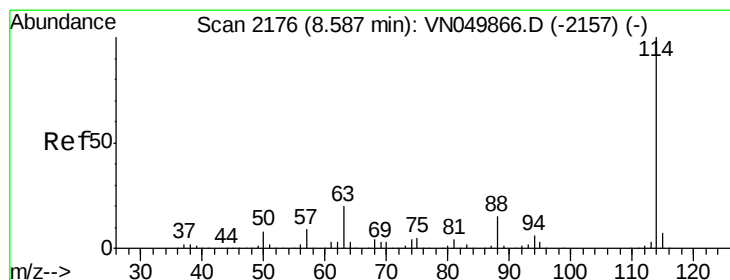
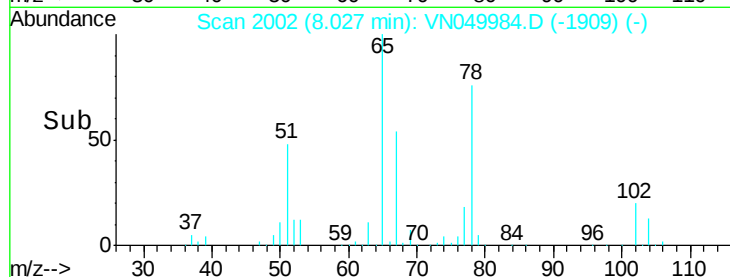
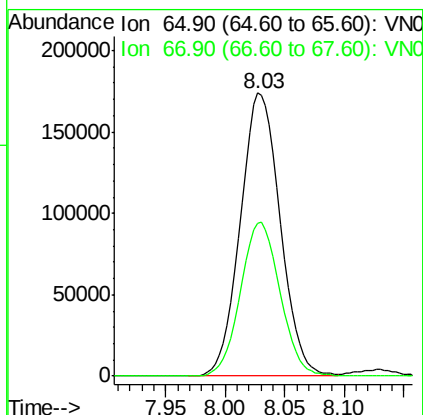
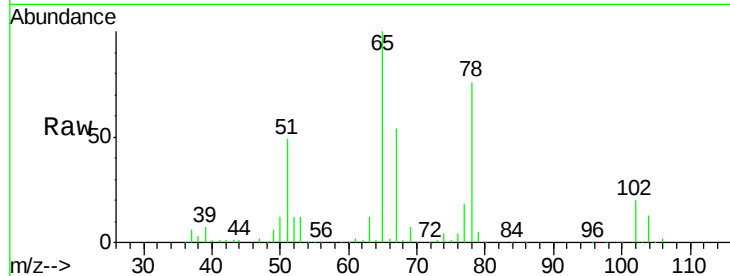




#33
 1,2-Dichloroethane-d4
 Concen: 53.98 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

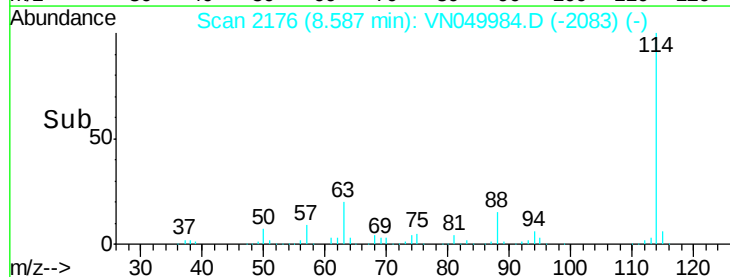
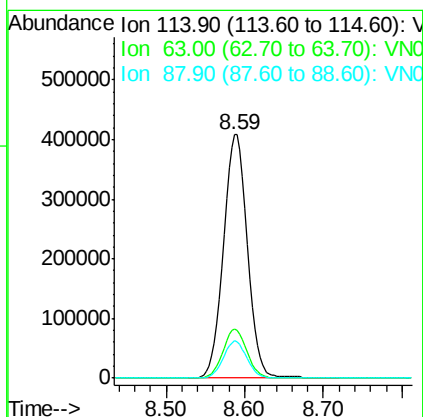
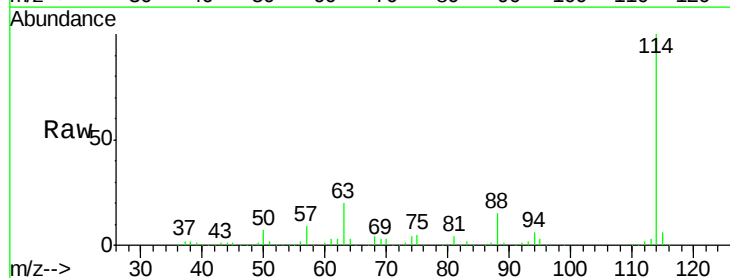
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

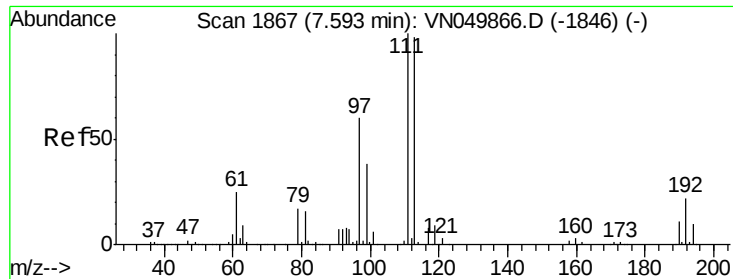
Tot Ion: 65 Resp: 404318
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 114 Resp: 854223
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.2 0.0 30.6

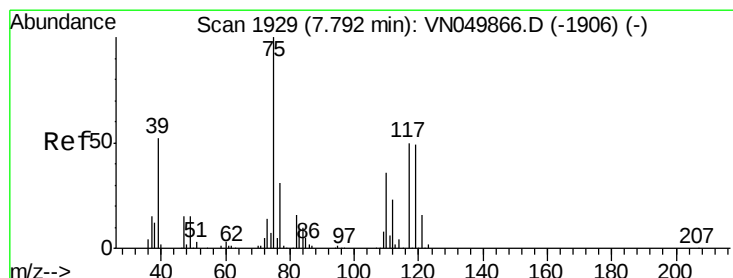
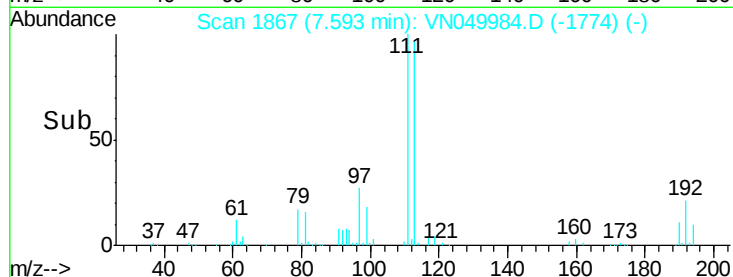
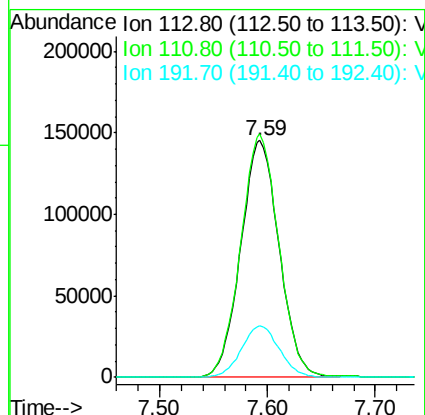
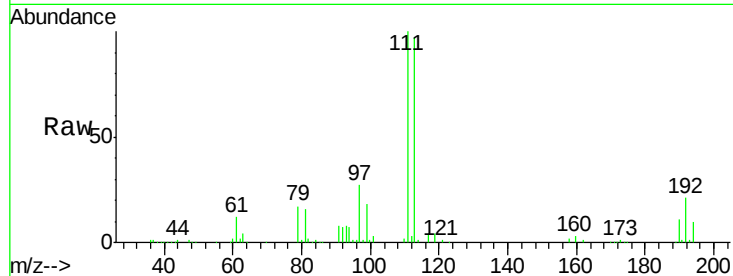




#35
 Dibromofluoromethane
 Concen: 50.18 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

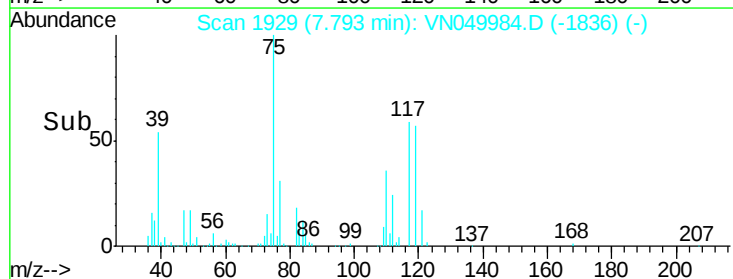
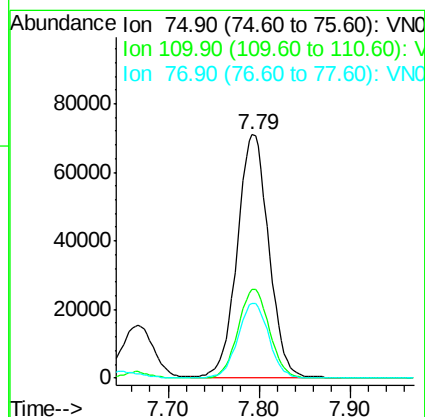
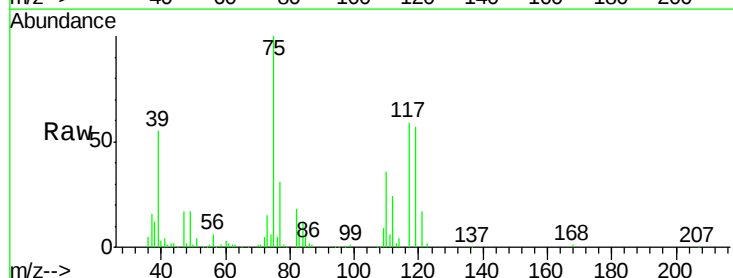
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

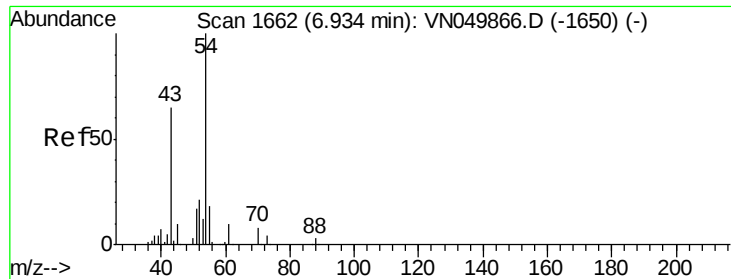
Tot Ion:113 Resp: 359872
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.8
 192 21.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 18.11 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 75 Resp: 171989
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.1 54.4
 77 30.0 24.9 37.3

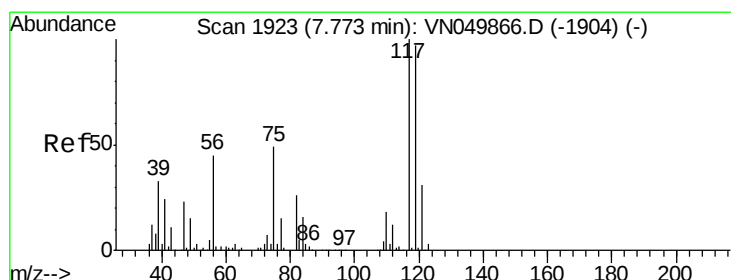
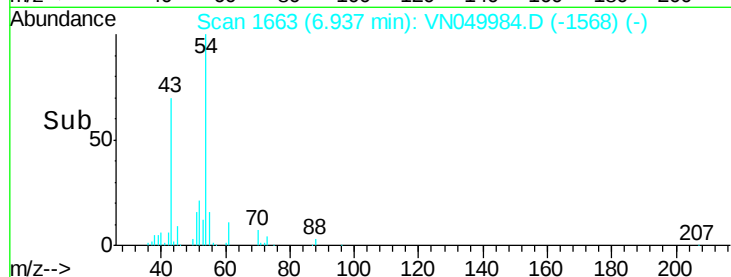
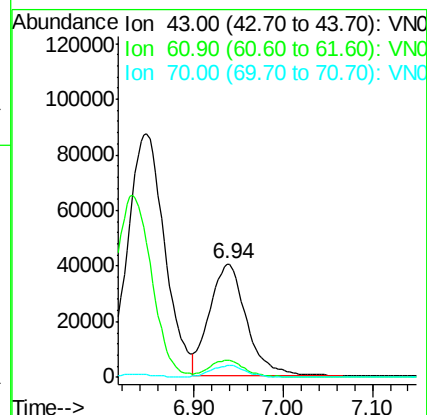
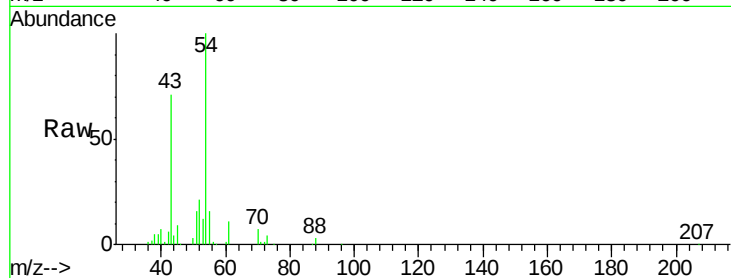




#37
Ethyl Acetate
Concen: 17.85 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

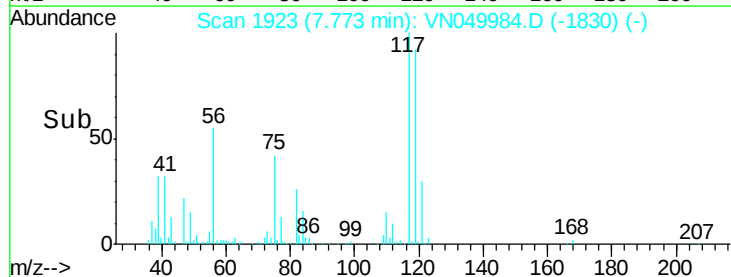
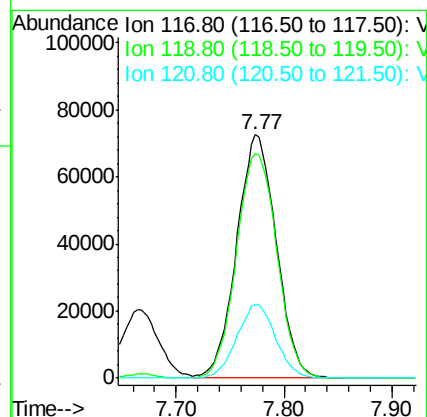
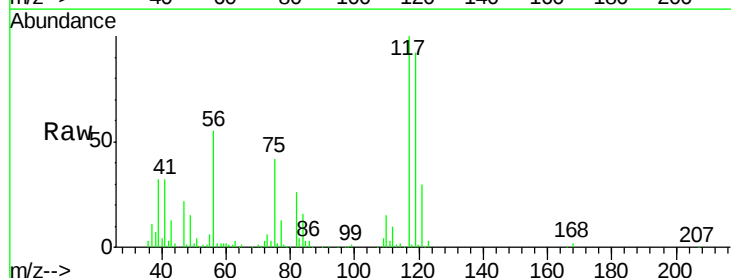
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

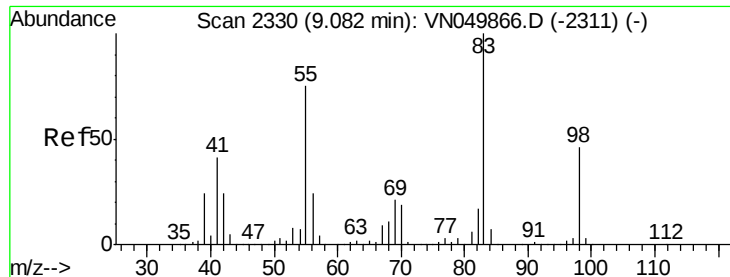
Tot Ion: 43 Resp: 116426
Ion Ratio Lower Upper
43 100
61 13.3 11.7 17.5
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.13 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 117 Resp: 184443
Ion Ratio Lower Upper
117 100
119 92.1 77.2 115.8
121 30.4 25.0 37.6

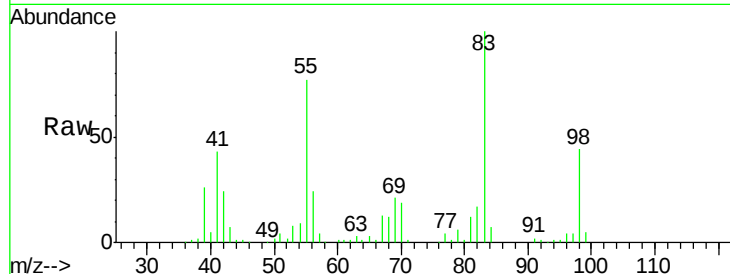




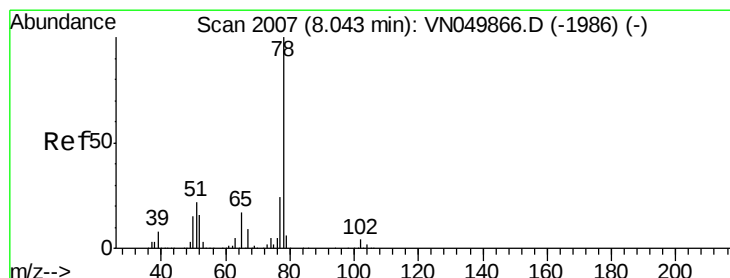
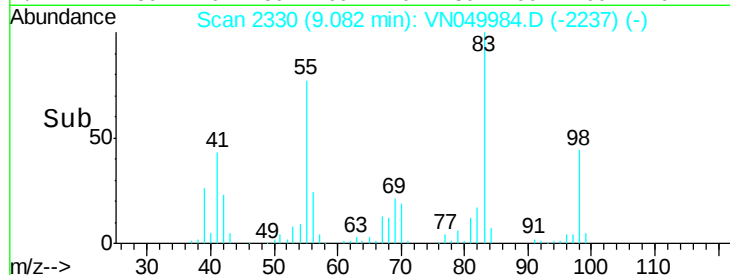
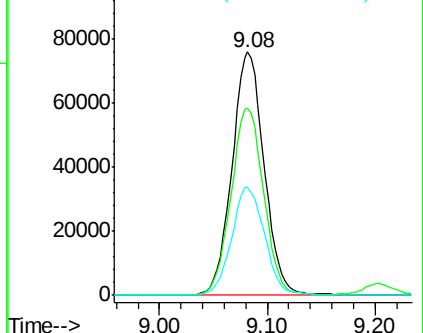
#39
Methvlcvclohexane
Concen: 16.08 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion: 83 Resp: 157783
Ion Ratio Lower Upper
83 100
55 77.0 59.7 89.5
98 44.2 36.5 54.7

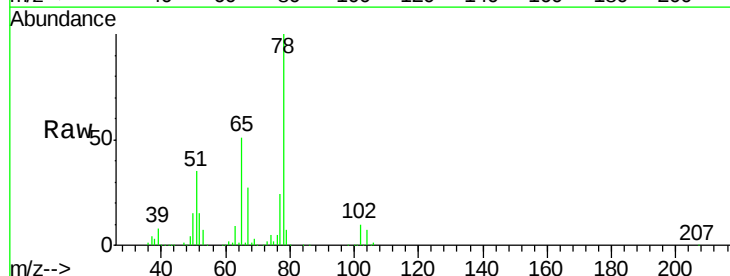


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

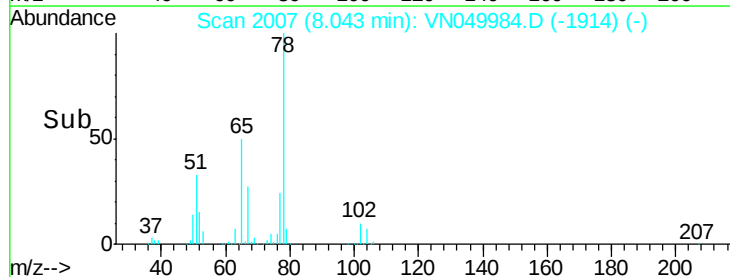
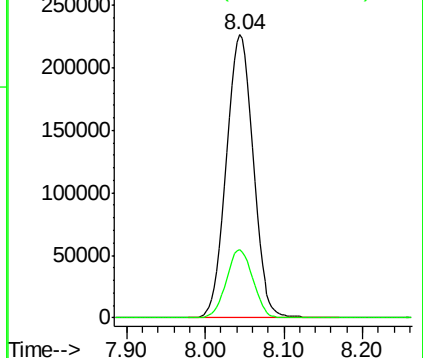


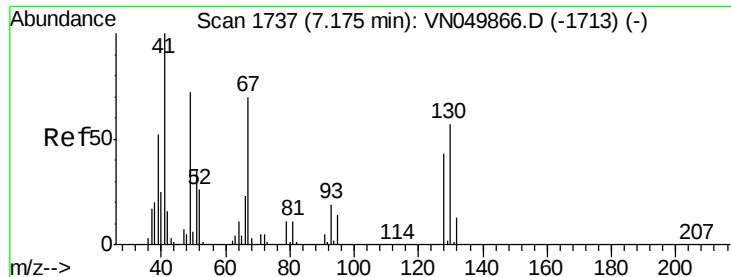
#40
Benzene
Concen: 18.54 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 78 Resp: 536768
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

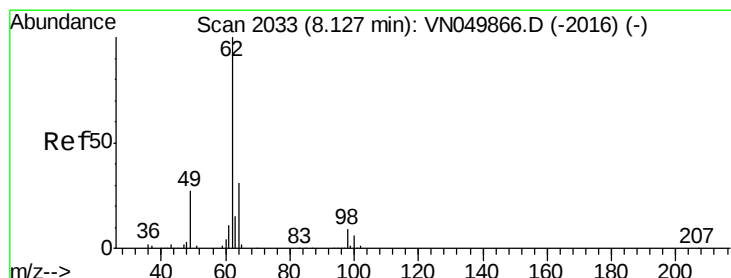
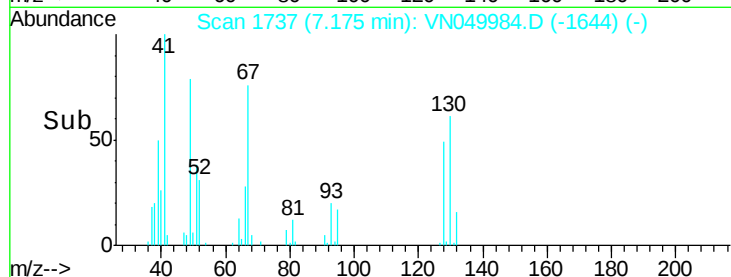
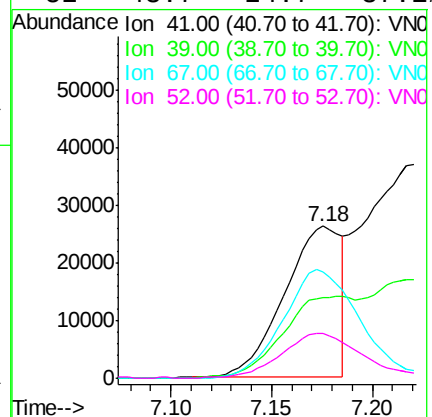
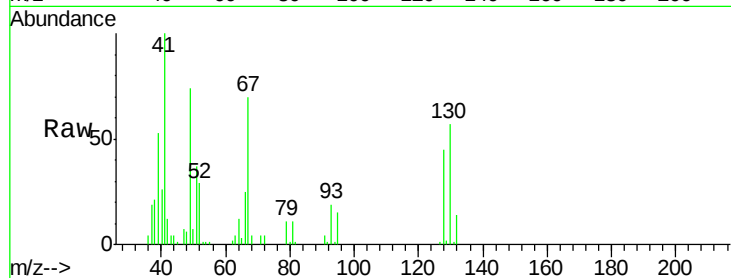




#41
Methacrylonitrile
Concen: 15.68 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

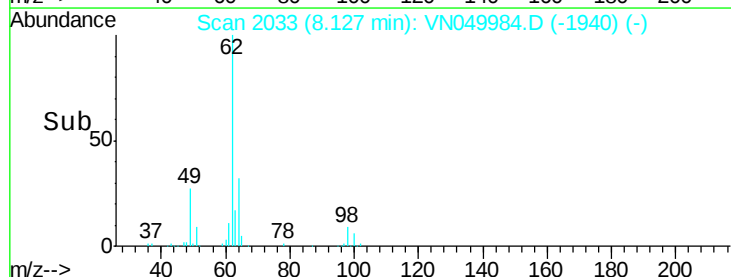
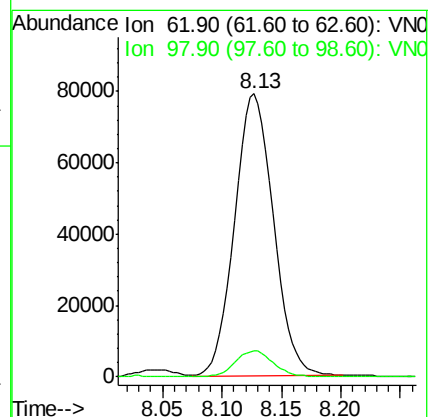
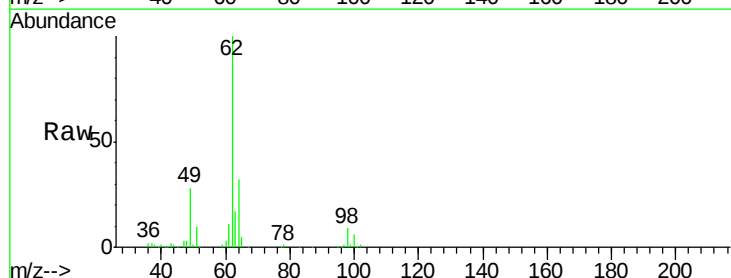
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

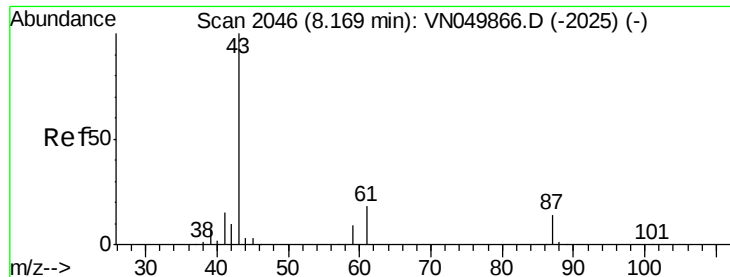
Tot Ion: 41 Resp: 51272
Ion Ratio Lower Upper
41 100
39 67.1 45.4 68.2
67 96.7 65.4 98.0
52 43.7 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 18.69 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 62 Resp: 179162
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.0





#43

Isopropyl Acetate

Concen: 20.68 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

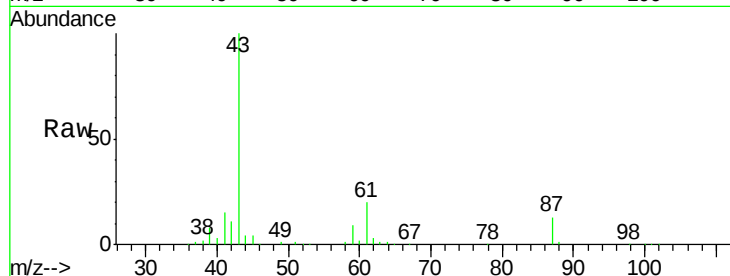
Tot Ion: 43 Resp: 235596

Ion Ratio Lower Upper

43 100

61 16.4 14.9 22.3

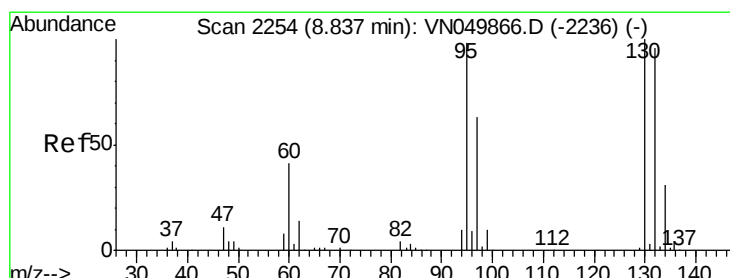
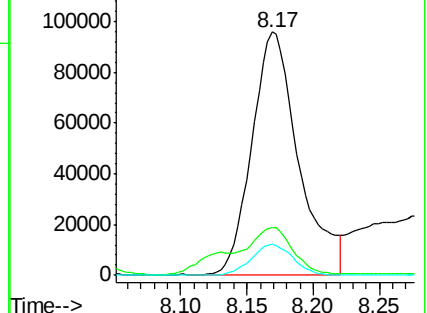
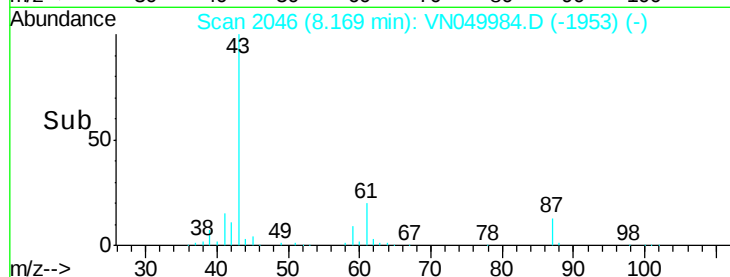
87 11.5 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049984.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049984.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049984.D (-1953) (-)



#44

Trichloroethene

Concen: 18.42 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049984.D

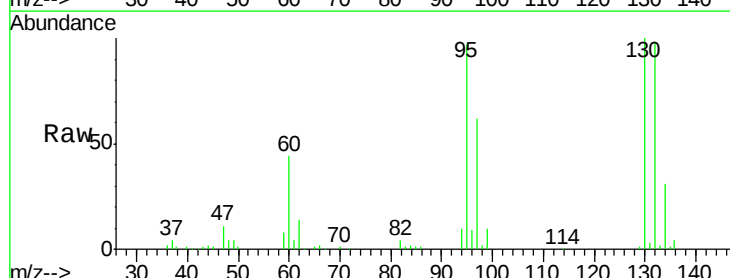
Acq: 21 Jul 2018 2:39

Tgt Ion: 130 Resp: 139835

Ion Ratio Lower Upper

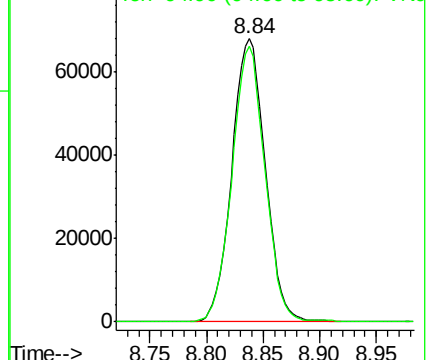
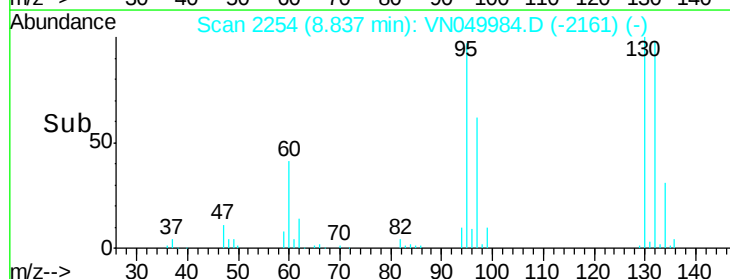
130 100

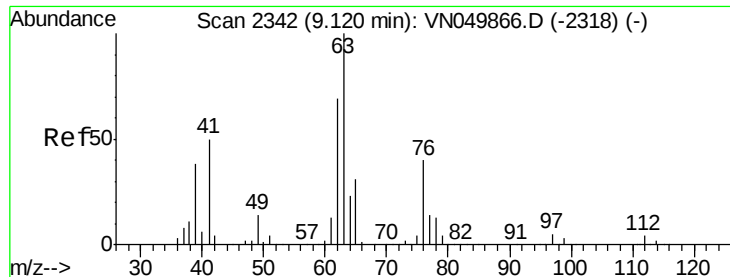
95 97.4 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049984.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049984.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 18.81 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

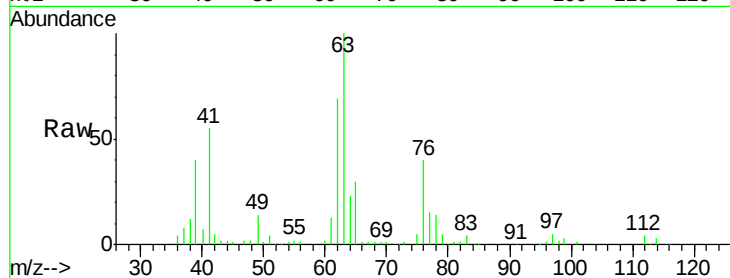
VN0720WBS02

Tot Ion: 63 Resp: 146883

Ion Ratio Lower Upper

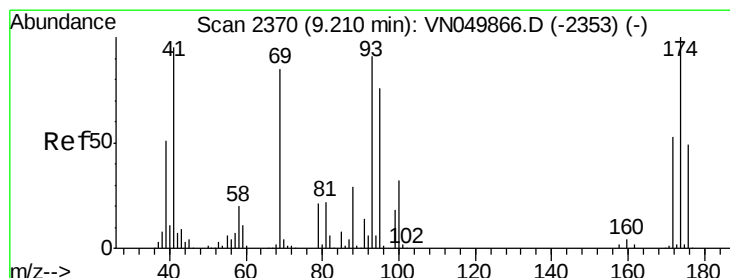
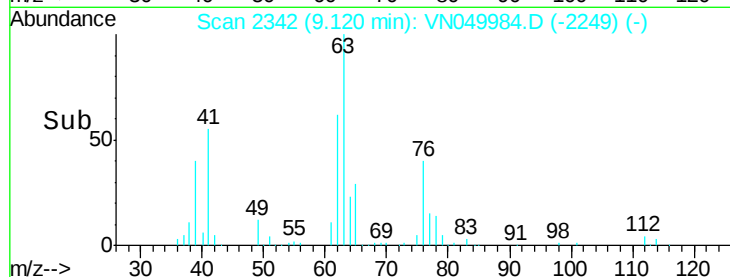
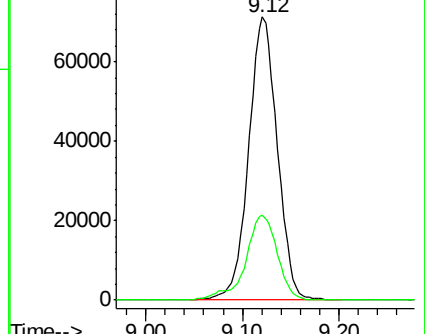
63 100

65 29.8 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: 18.53 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

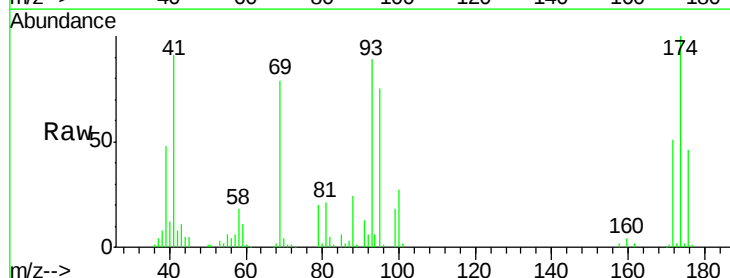
Tgt Ion: 93 Resp: 89723

Ion Ratio Lower Upper

93 100

95 84.0 67.9 101.9

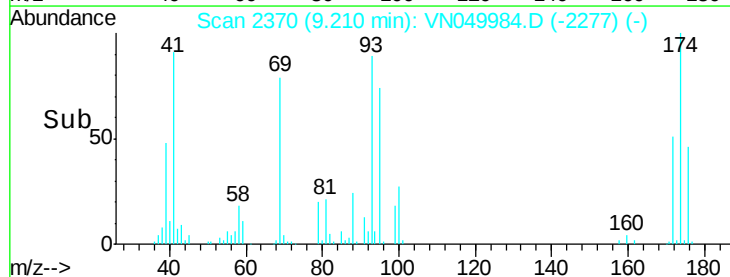
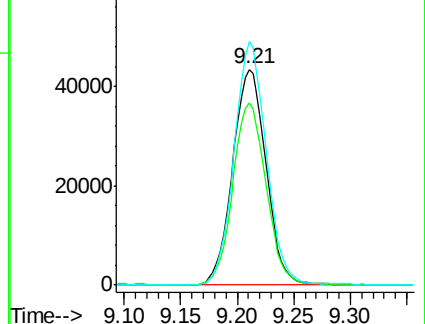
174 108.4 89.4 134.0

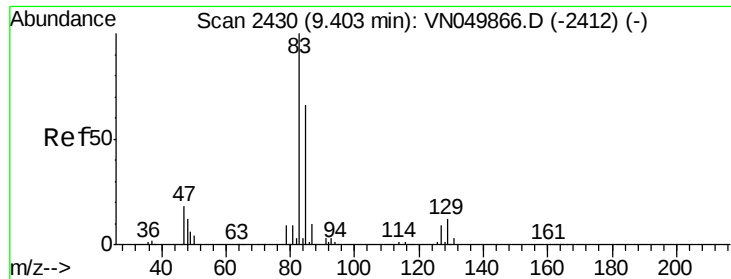


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

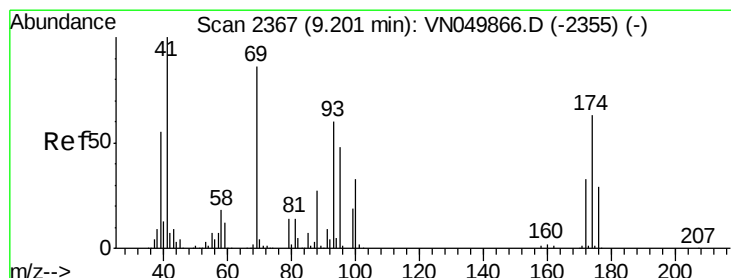
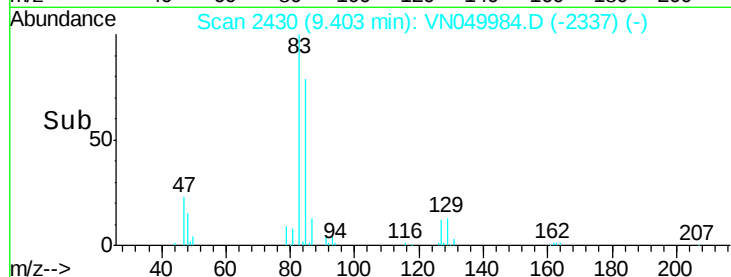
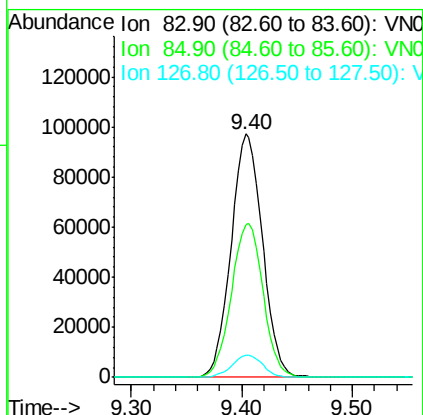
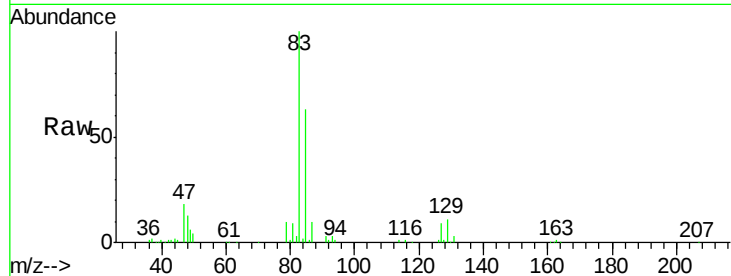




#47
Bromodichloromethane
Concen: 19.15 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

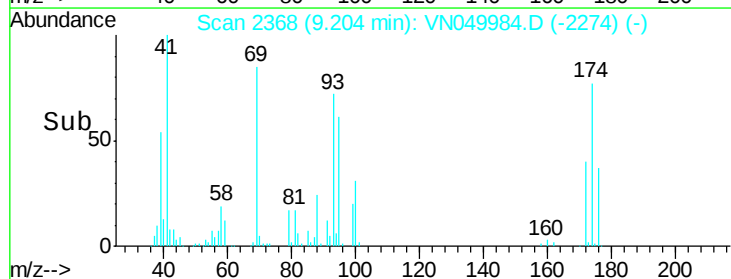
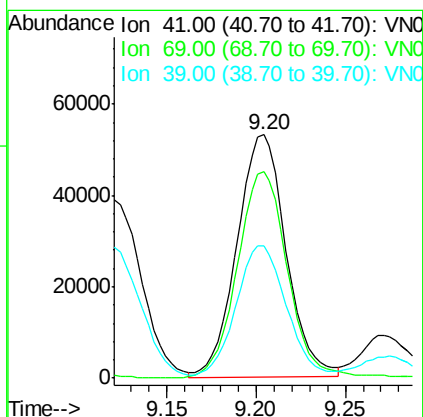
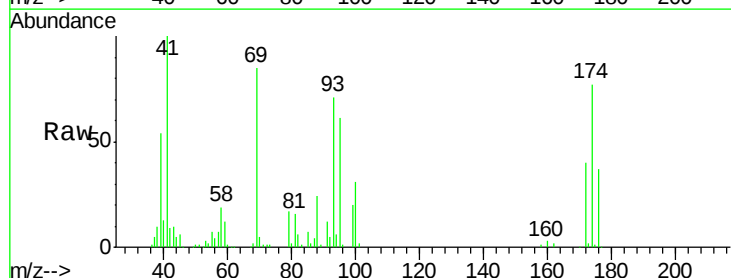
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

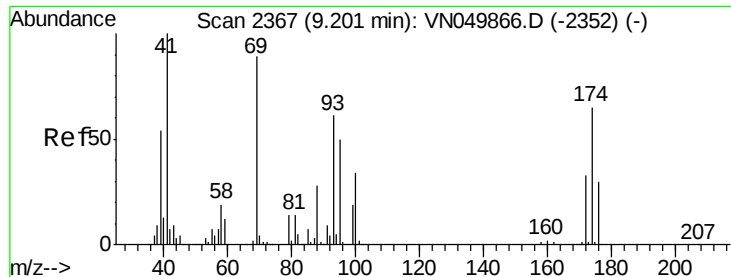
Tot Ion: 83 Resp: 191853
Ion Ratio Lower Upper
83 100
85 62.6 50.5 75.7
127 9.1 6.8 10.2



#48
Methyl methacrylate
Concen: 17.83 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 41 Resp: 101926
Ion Ratio Lower Upper
41 100
69 87.5 71.5 107.3
39 55.8 44.7 67.1

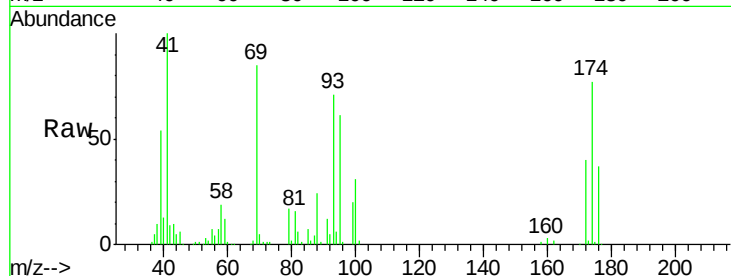




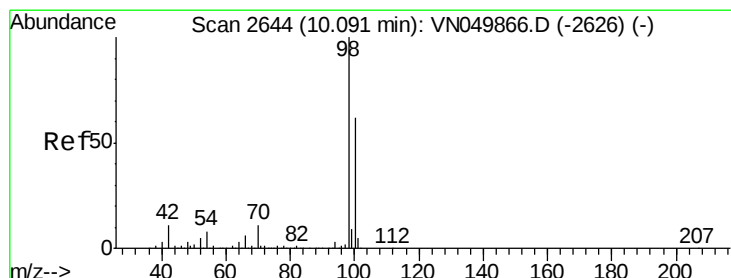
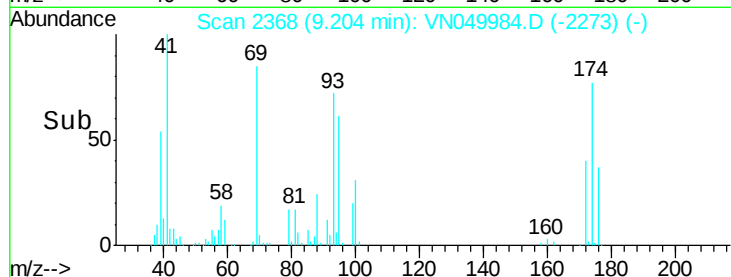
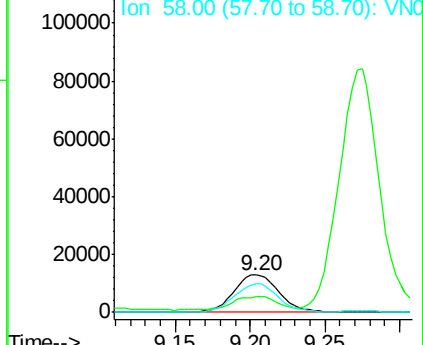
#49
1,4-Dioxane
Concen: 336.63 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

Tot Ion: 88 Resp: 27295
Ion Ratio Lower Upper
88 100
43 34.5 25.1 37.7
58 75.0 52.5 78.7

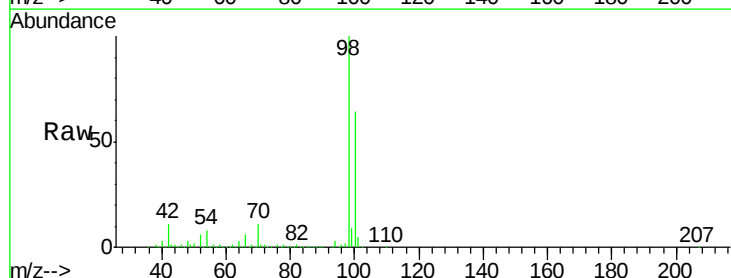


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

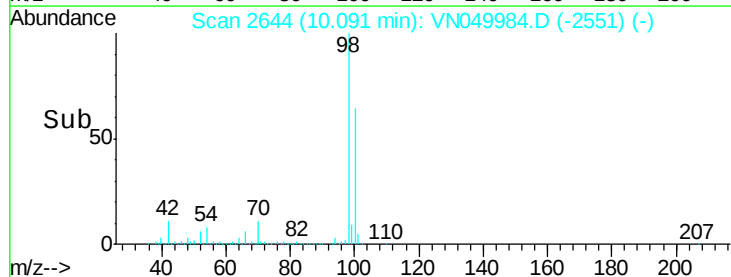
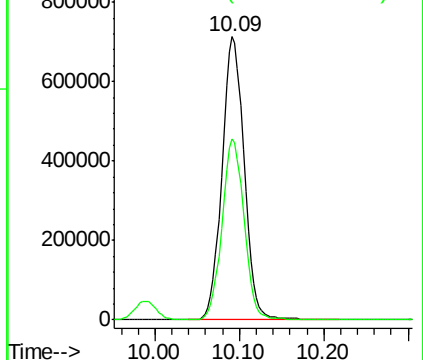


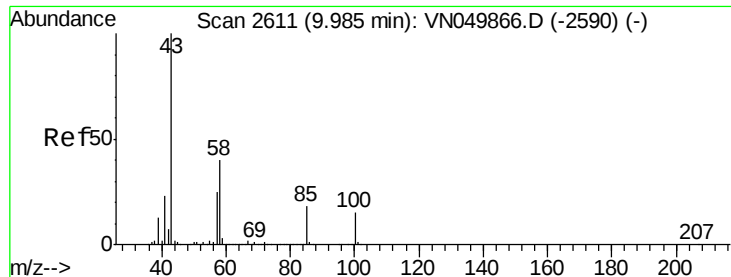
#50
Toluene-d8
Concen: 49.83 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 98 Resp: 1301941
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



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

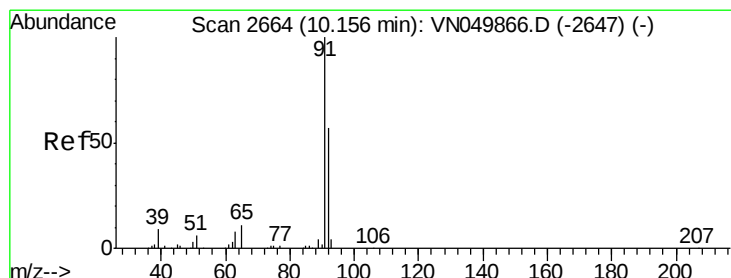
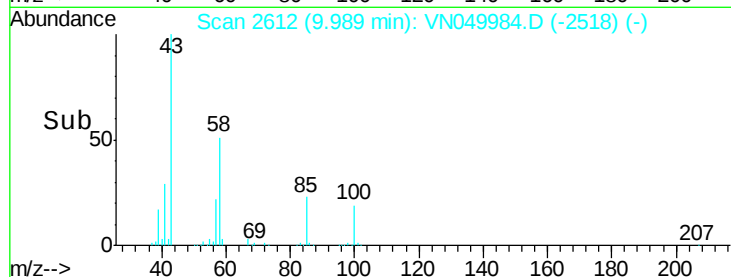
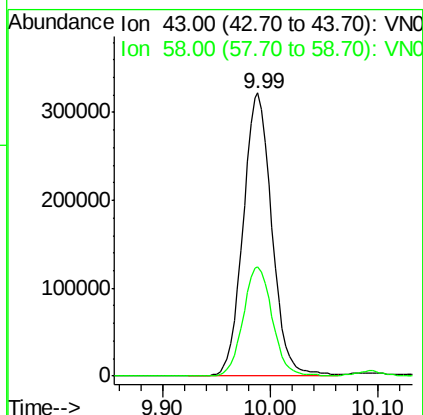
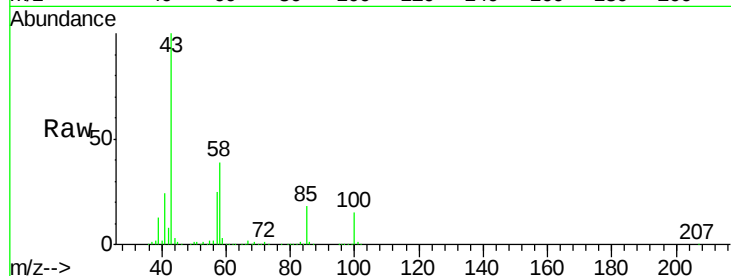




#51
 4-Methyl-2-Pentanone
 Concen: 93.25 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

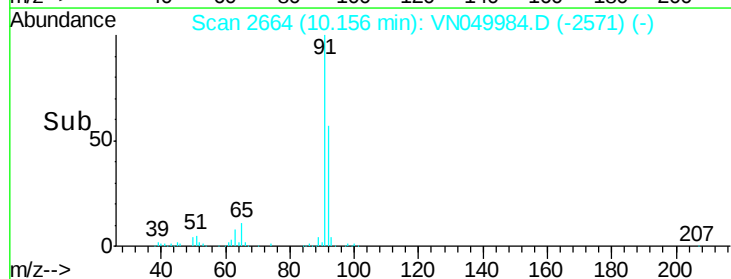
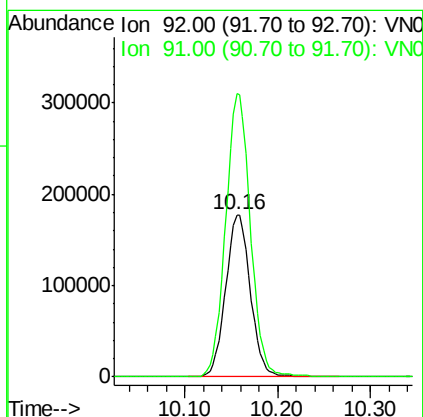
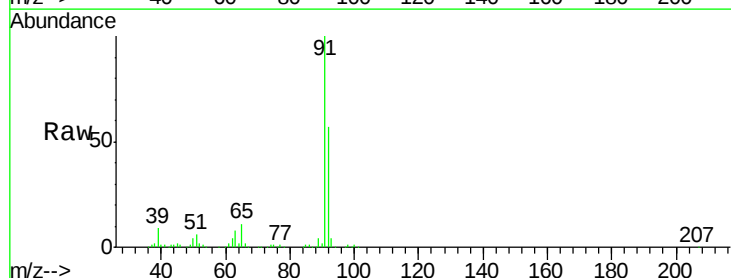
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

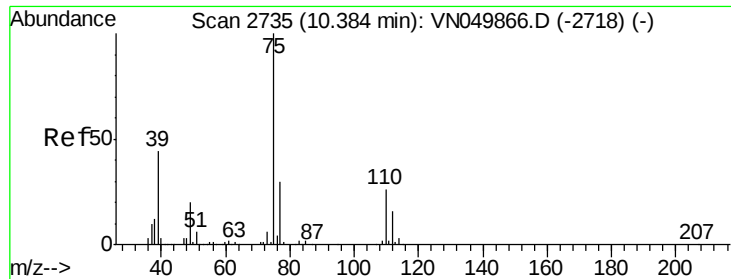
Tot Ion: 43 Resp: 593945
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.8



#52
 Toluene
 Concen: 18.94 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 92 Resp: 327089
 Ion Ratio Lower Upper
 92 100
 91 175.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

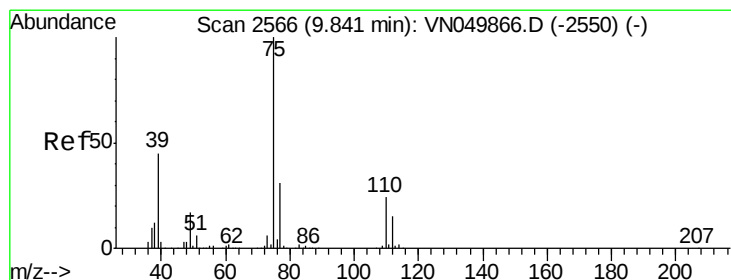
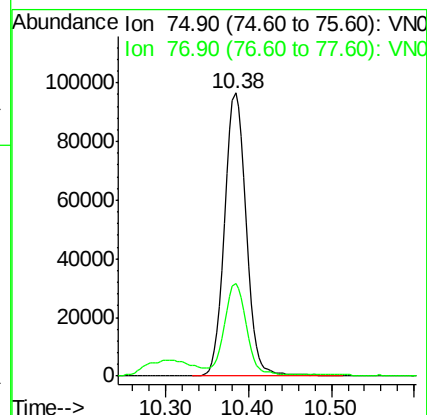
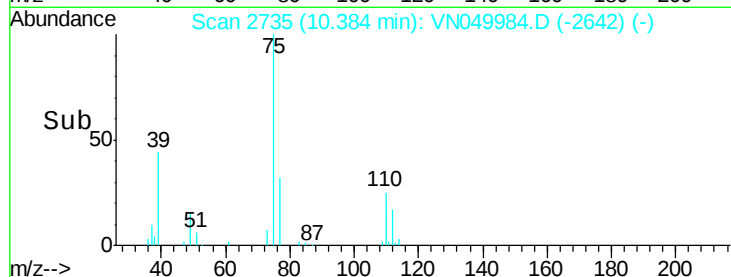
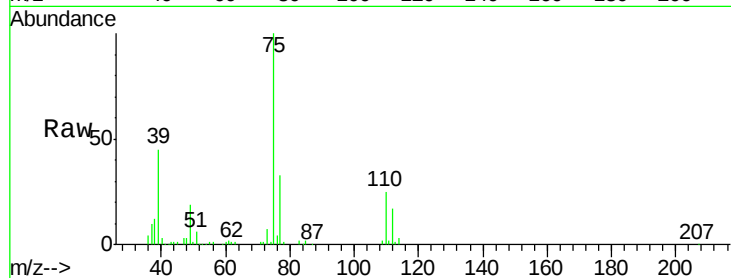
VN0720WBS02

Tot Ion: 75 Resp: 173700

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.09 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

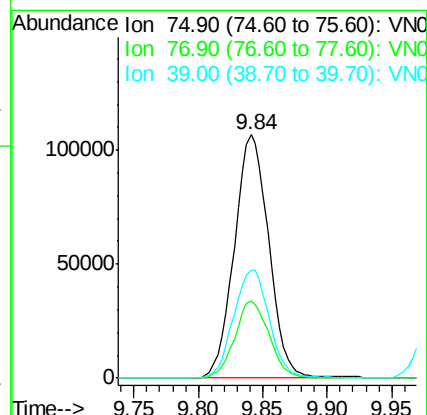
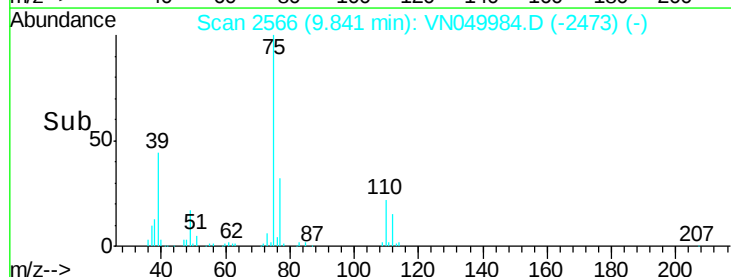
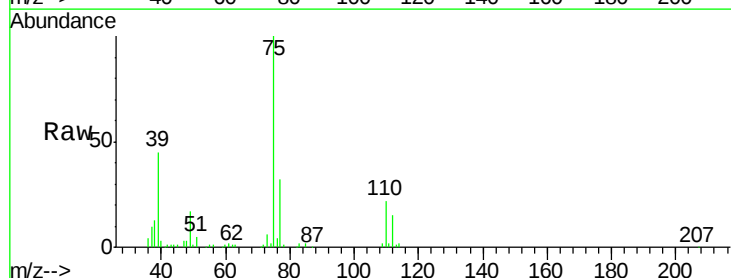
Tgt Ion: 75 Resp: 198041

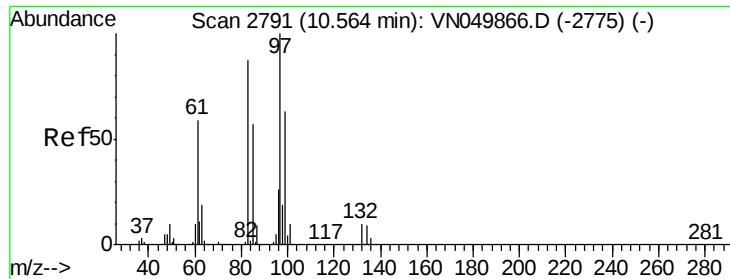
Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 44.3 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 18.22 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

Tot Ion: 97 Resp: 129986

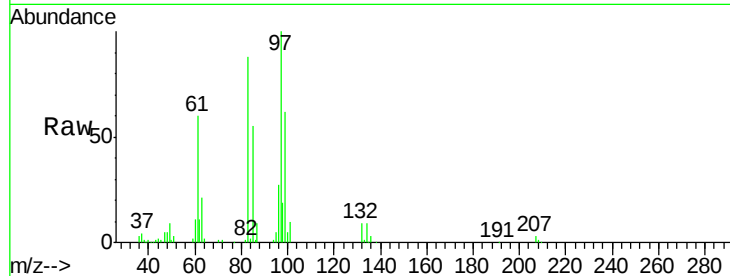
Ion Ratio Lower Upper

97 100

83 87.7 69.0 103.6

85 54.5 44.9 67.3

99 61.6 49.8 74.6

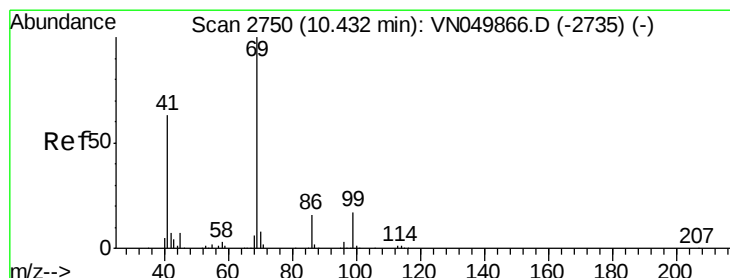
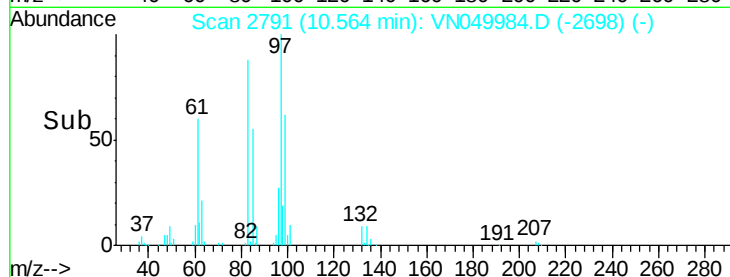
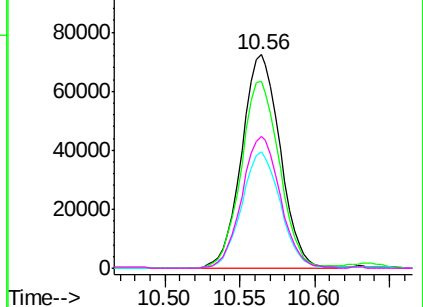


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.18 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

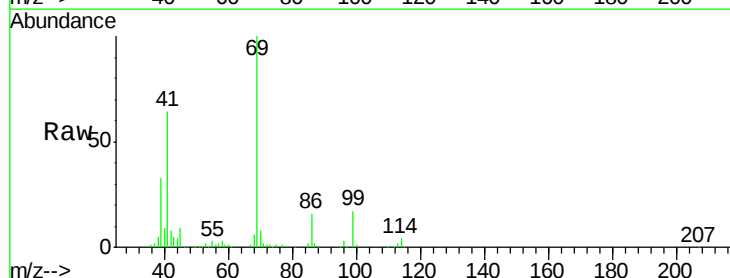
Tgt Ion: 69 Resp: 150359

Ion Ratio Lower Upper

69 100

41 63.2 51.6 77.4

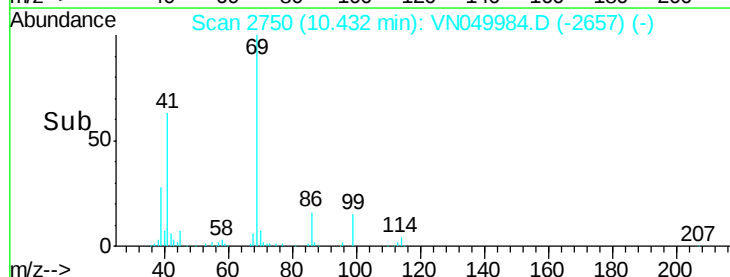
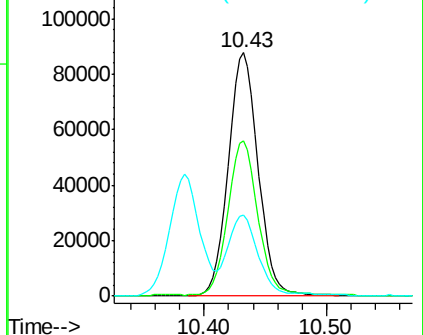
39 33.2 25.8 38.8

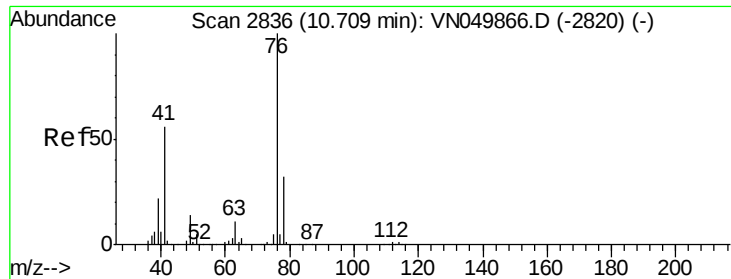


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.76 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

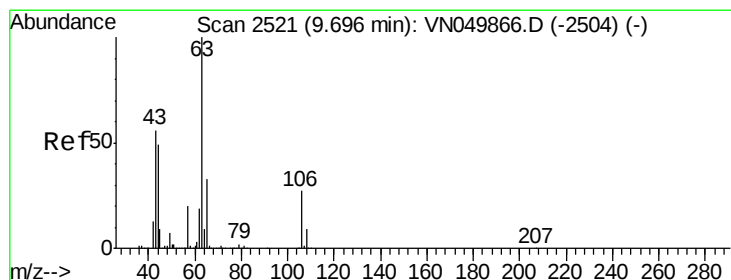
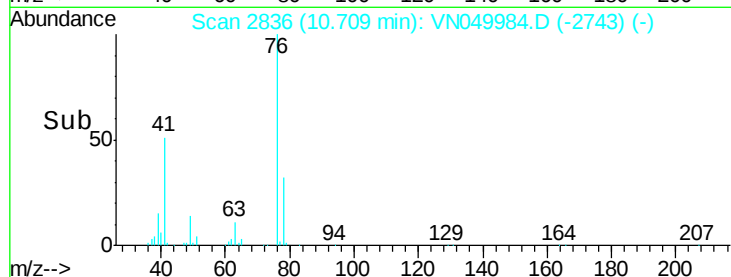
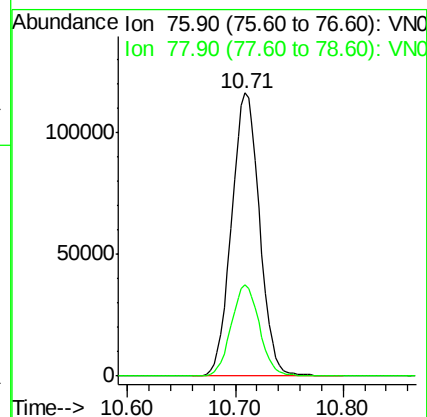
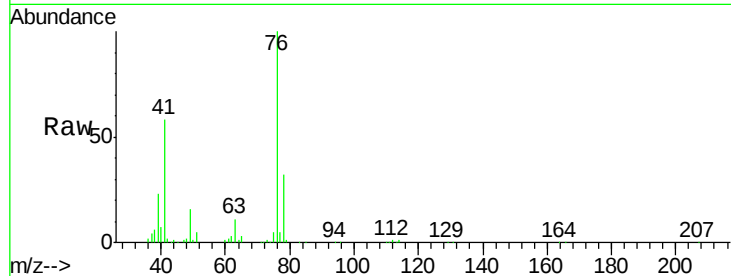
VN0720WBS02

Tot Ion: 76 Resp: 210770

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 89.40 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049984.D

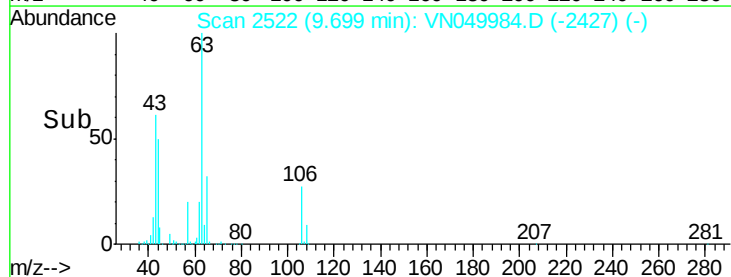
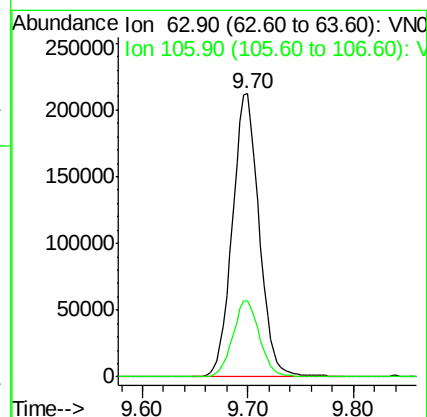
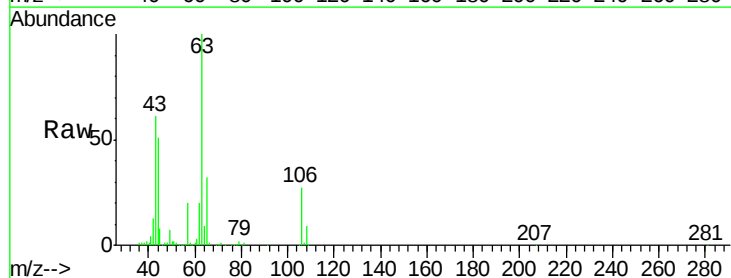
Acq: 21 Jul 2018 2:39

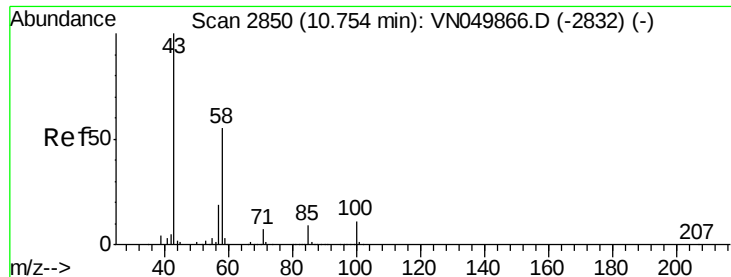
Tgt Ion: 63 Resp: 373185

Ion Ratio Lower Upper

63 100

106 26.9 21.8 32.8





#59

2-Hexanone

Concen: 88.24 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

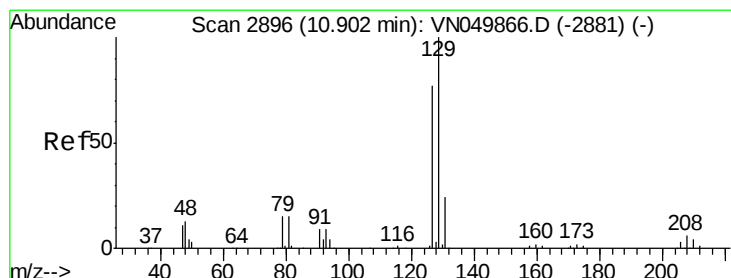
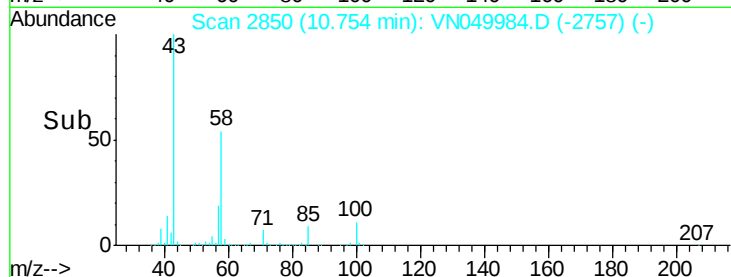
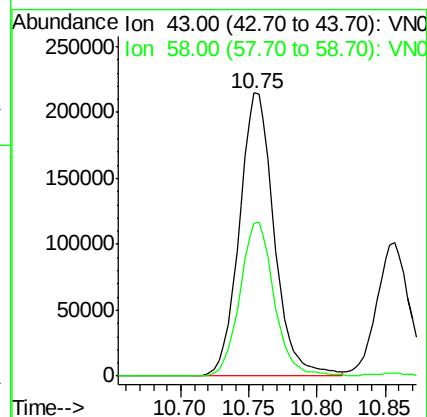
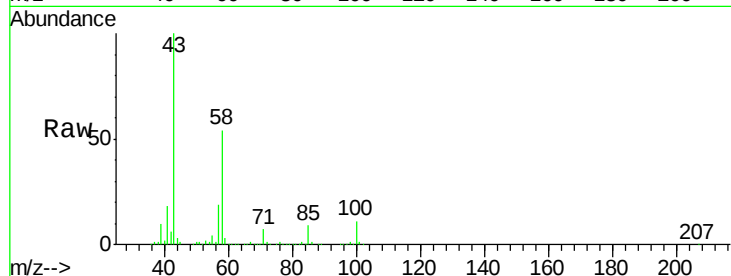
VN0720WBS02

Tot Ion: 43 Resp: 377507

Ion Ratio Lower Upper

43 100

58 53.9 27.8 83.4



#60

Dibromochloromethane

Concen: 18.44 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049984.D

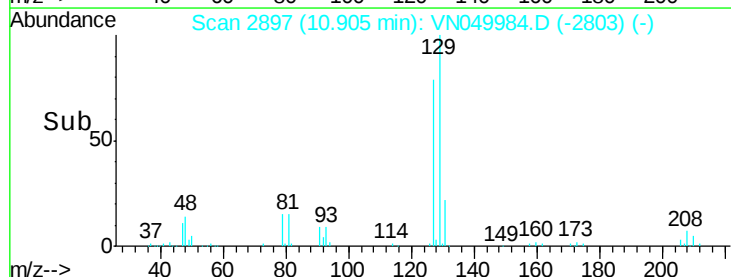
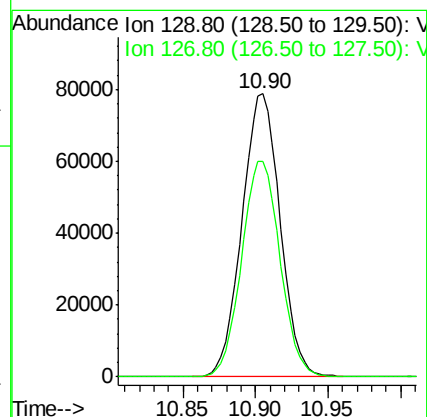
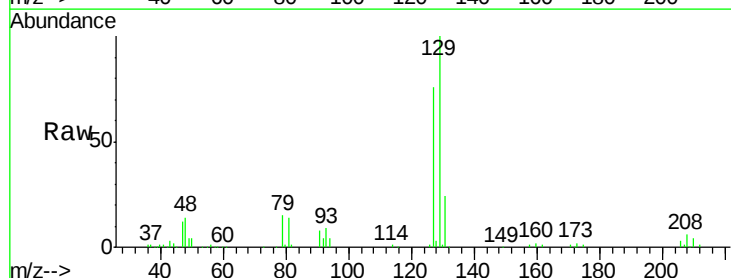
Acq: 21 Jul 2018 2:39

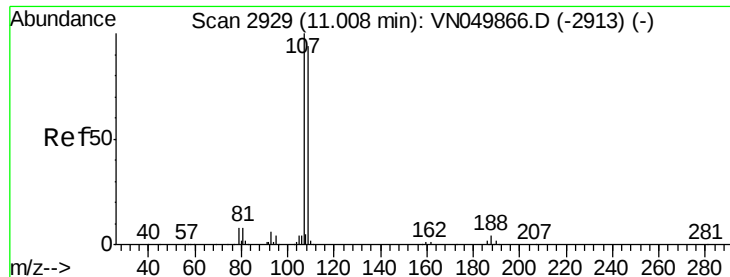
Tgt Ion: 129 Resp: 144217

Ion Ratio Lower Upper

129 100

127 76.7 38.3 114.9

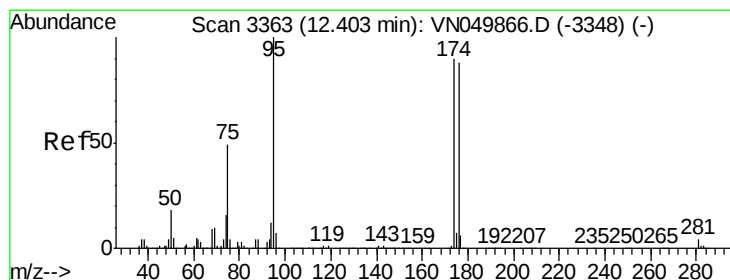
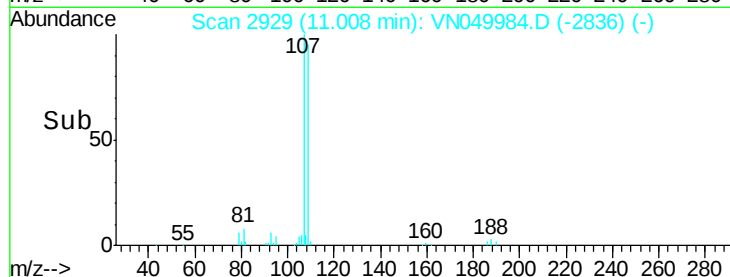
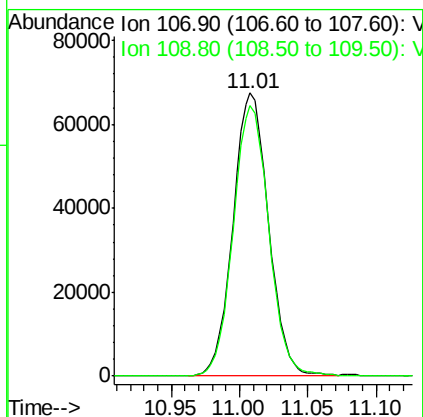
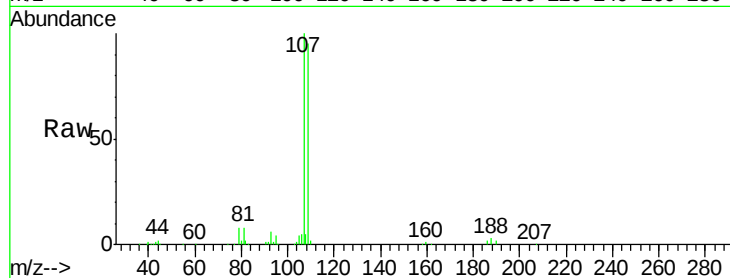




#61
 1,2-Dibromoethane
 Concen: 18.34 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

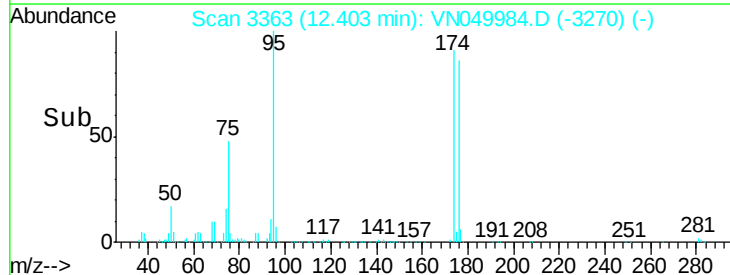
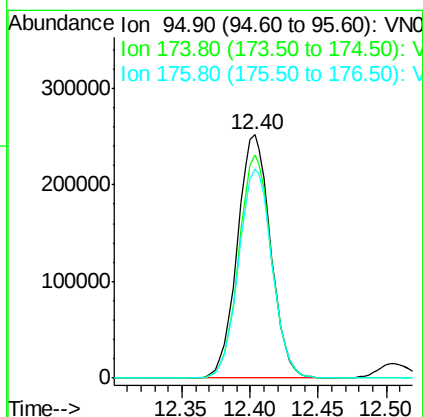
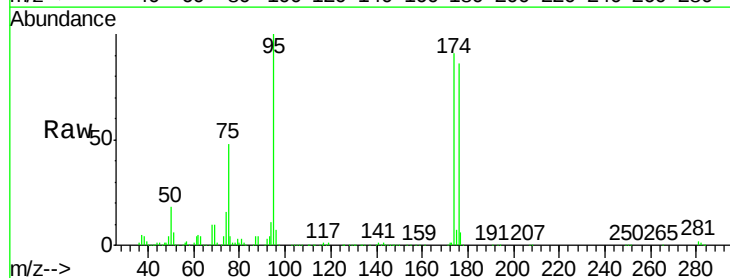
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

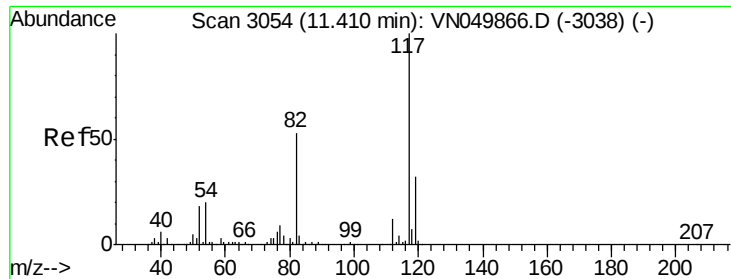
Tot Ion:107 Resp: 122233
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.43 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion: 95 Resp: 426800
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 179.6
 176 86.2 0.0 174.0

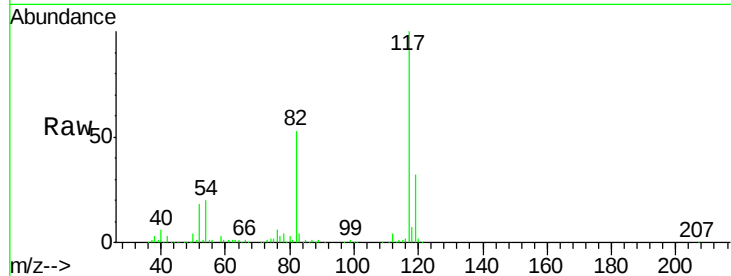




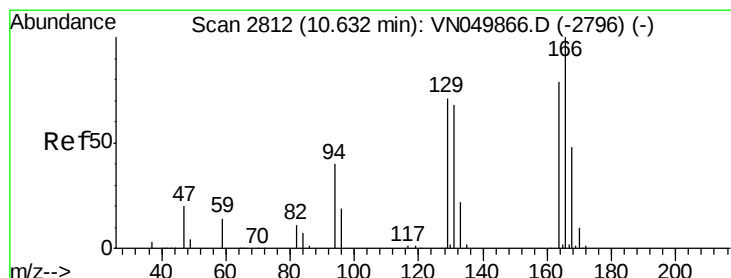
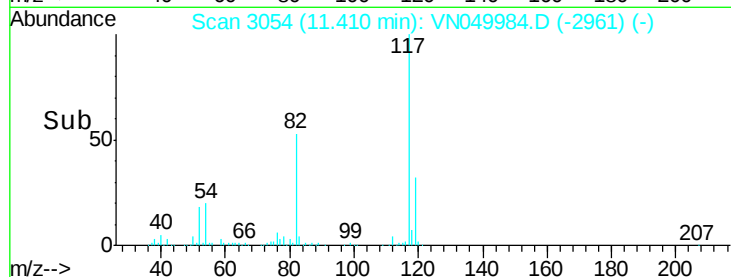
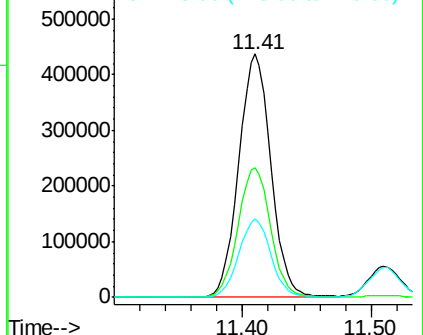
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion:117 Resp: 758923
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.0 25.4 38.2

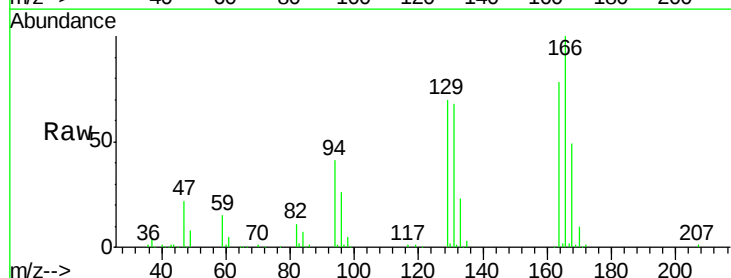


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

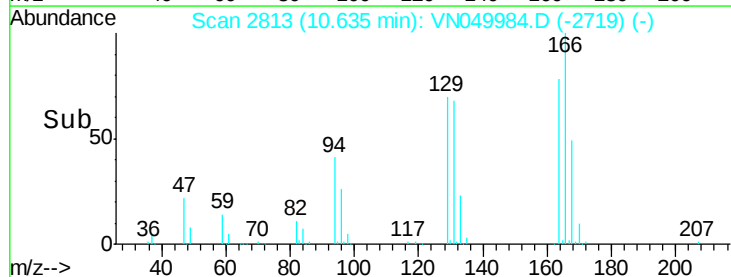
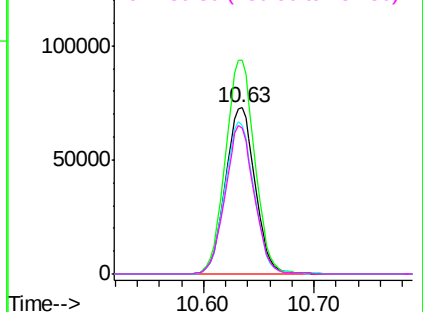


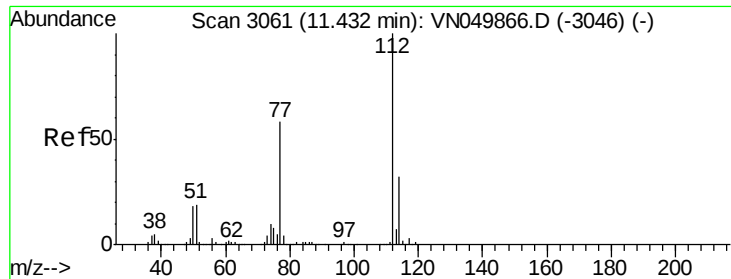
#64
Tetrachloroethene
Concen: 19.82 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion:164 Resp: 135193
Ion Ratio Lower Upper
164 100
166 128.6 101.8 152.6
129 89.8 72.8 109.2
131 87.7 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





#65

Chlorobenzene

Concen: 18.83 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

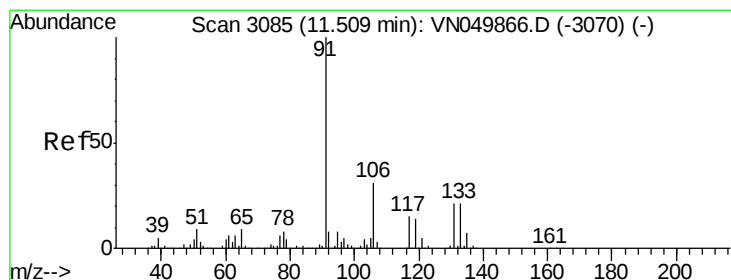
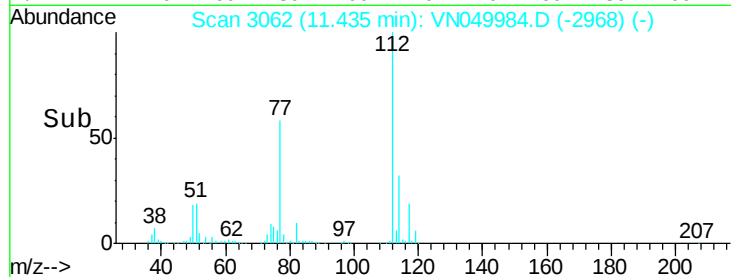
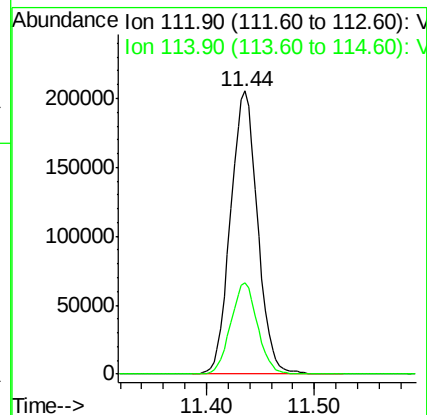
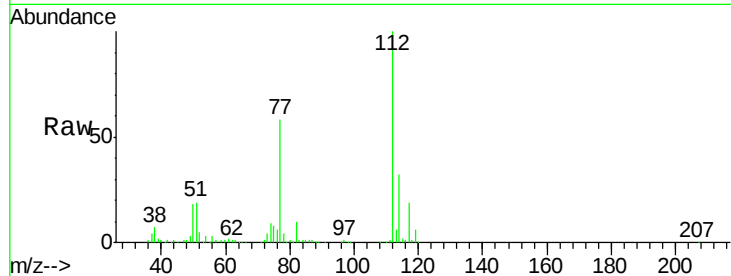
VN0720WBS02

Tot Ion:112 Resp: 359051

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

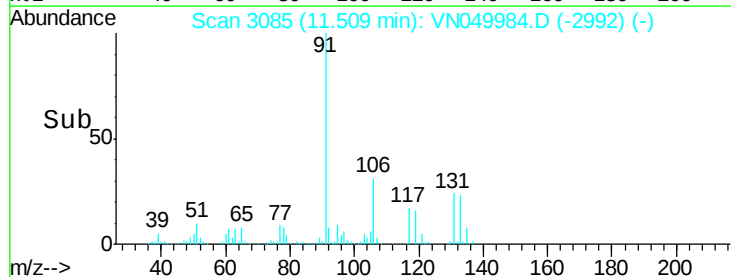
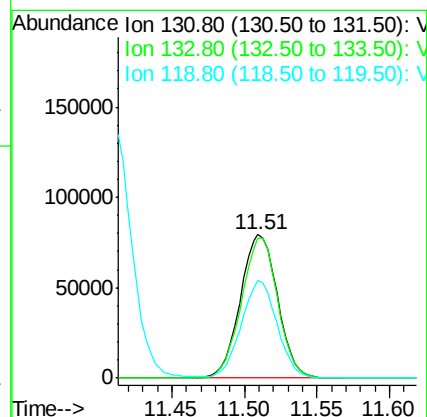
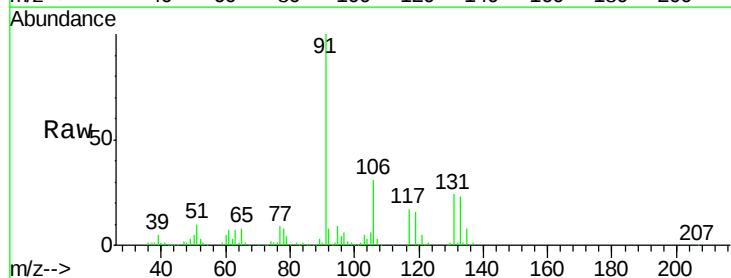
Tgt Ion:131 Resp: 141537

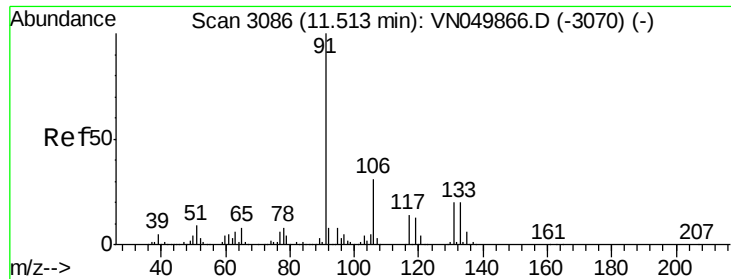
Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.6

119 66.0 33.1 99.3

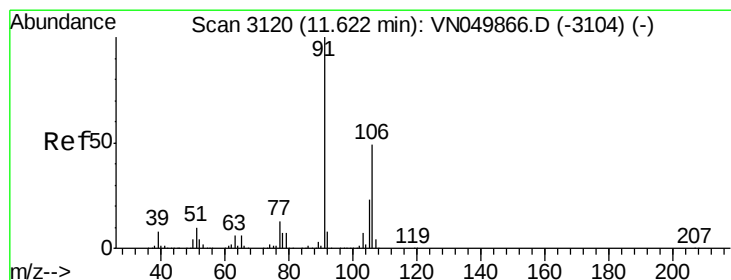
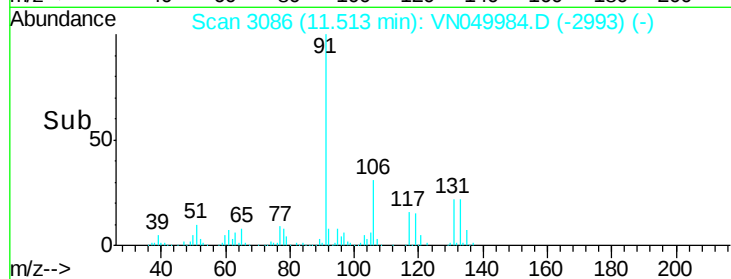
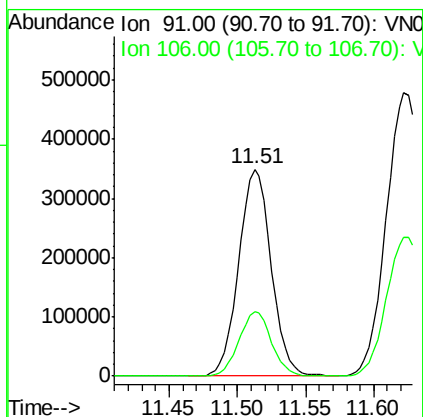
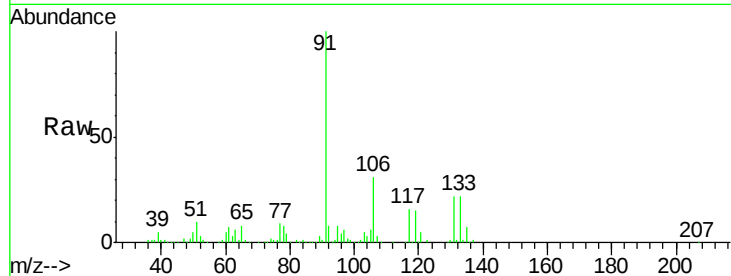




#67
Ethyl Benzene
Concen: 18.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

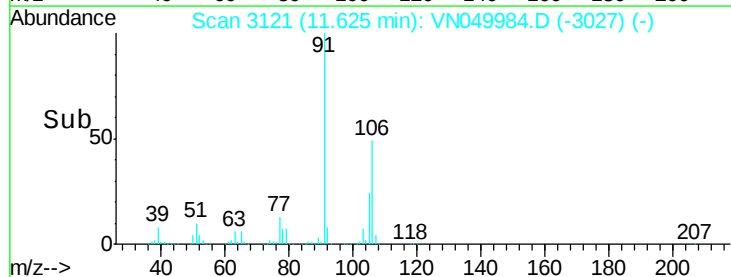
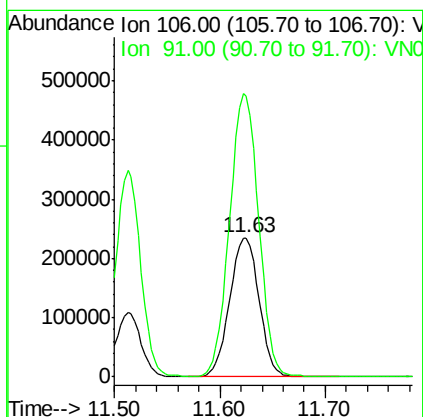
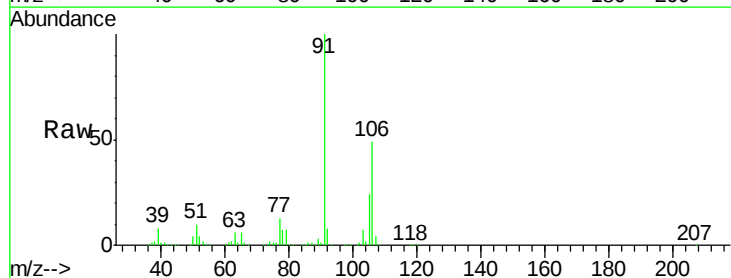
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS02

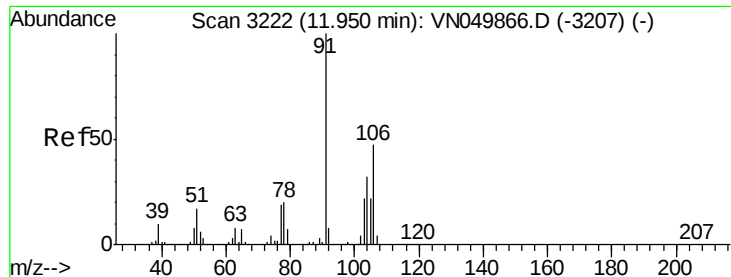
Tot Ion: 91 Resp: 576790
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 38.59 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion: 106 Resp: 451902
Ion Ratio Lower Upper
106 100
91 201.7 163.4 245.2

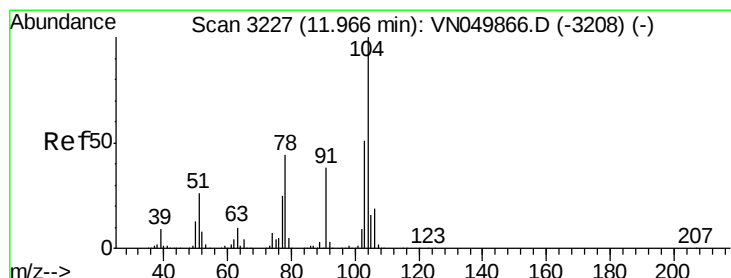
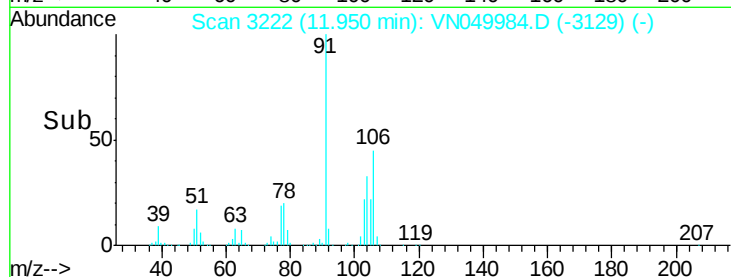
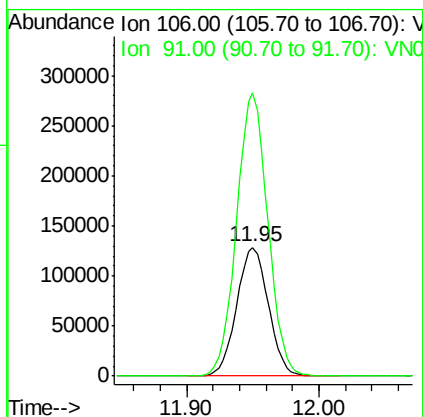
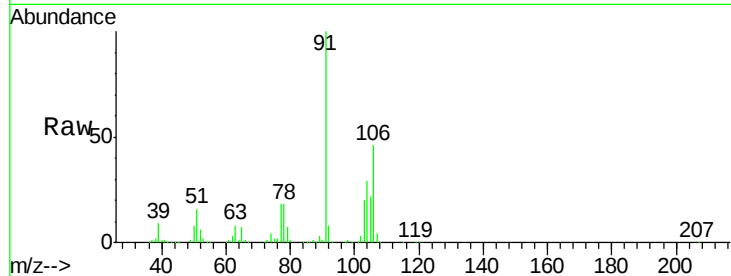




#69
o-Xylene
Concen: 19.04 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

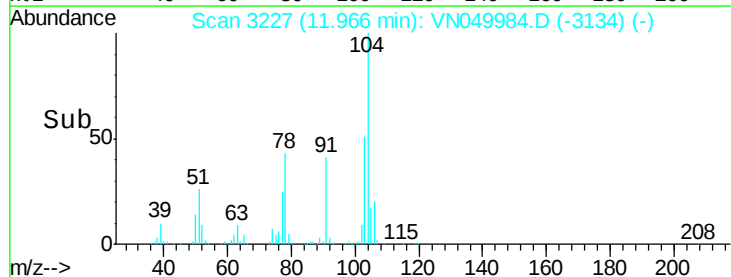
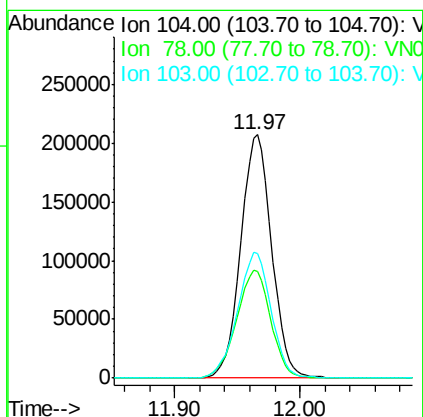
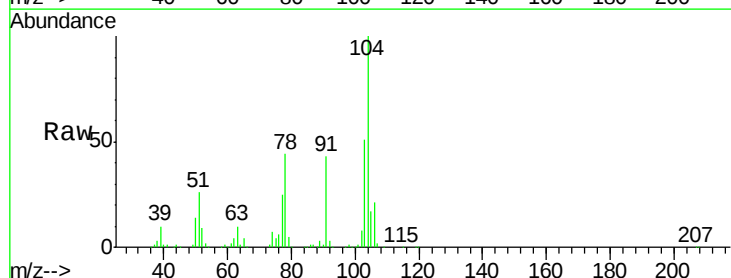
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

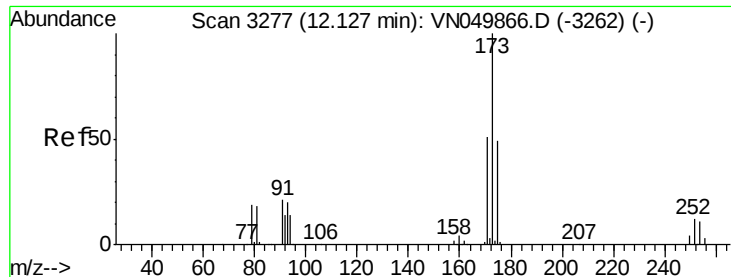
Tot Ion:106 Resp: 214105
Ion Ratio Lower Upper
106 100
91 216.9 108.7 326.1



#70
Styrene
Concen: 19.54 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion:104 Resp: 355888
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 56.1 44.6 67.0

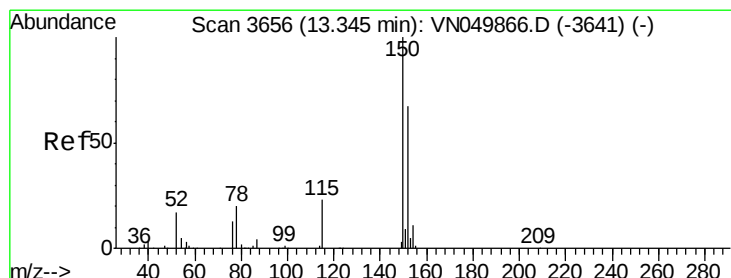
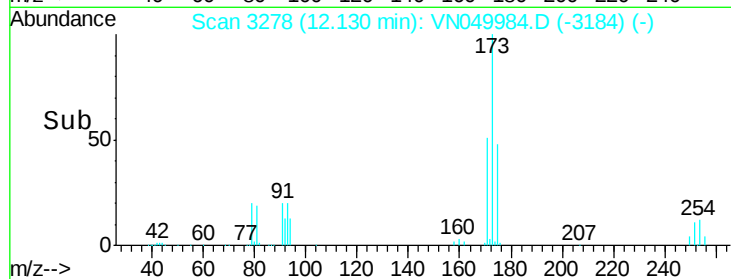
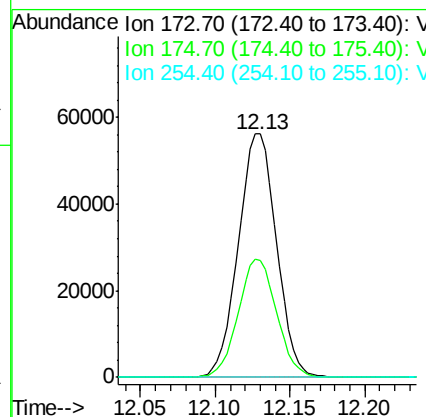
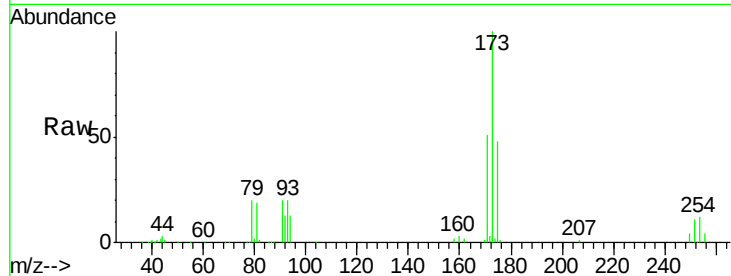




#71
 Bromoform
 Concen: 18.90 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

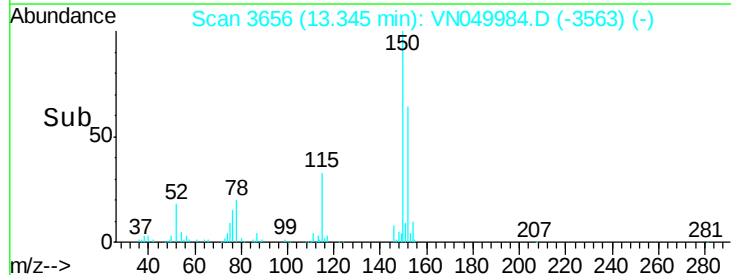
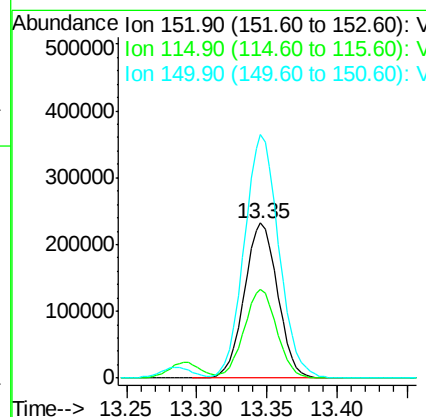
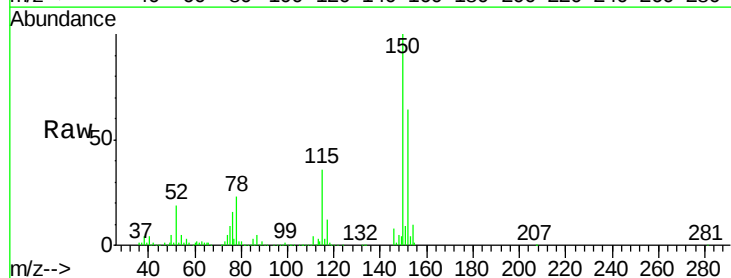
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

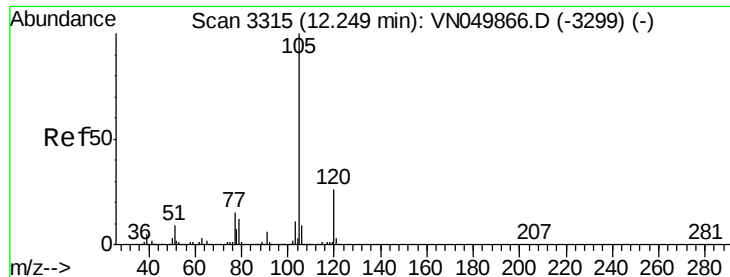
Tot Ion:173 Resp: 99885
 Ion Ratio Lower Upper
 173 100
 175 48.5 24.6 73.8
 254 0.0 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion:152 Resp: 383951
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.1 84.2
 150 163.5 0.0 347.6





#73

Isopropylbenzene

Concen: 19.60 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

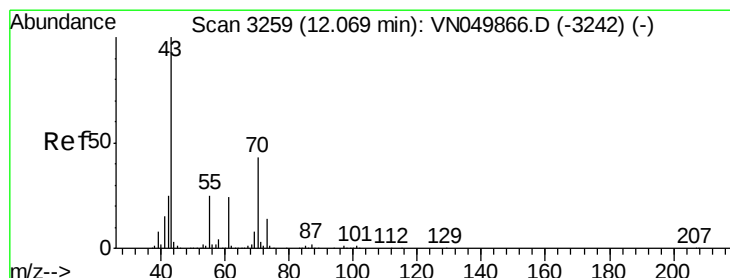
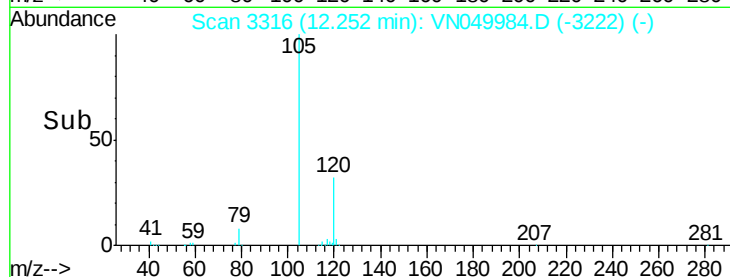
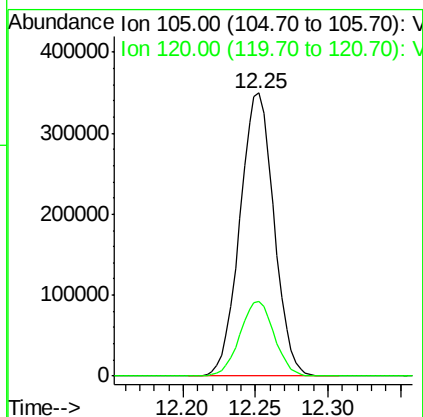
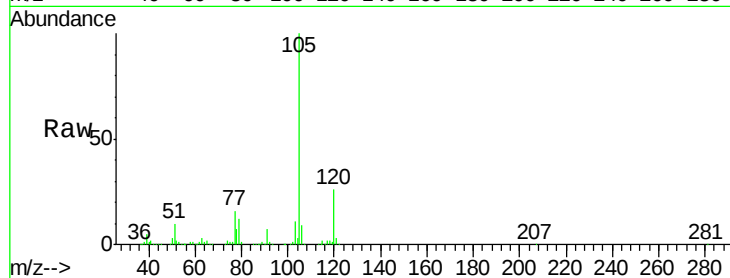
VN0720WBS02

Tot Ion:105 Resp: 571608

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 18.52 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Tgt Ion: 43 Resp: 164433

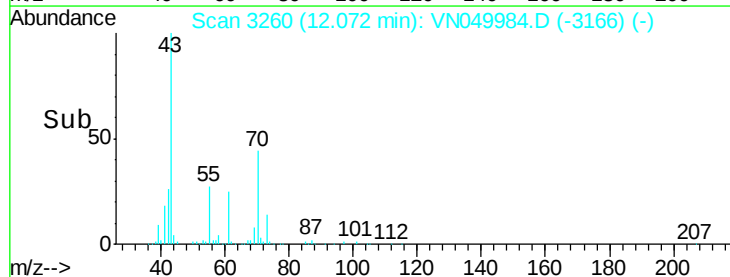
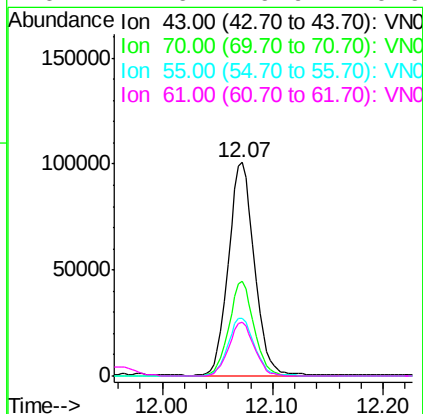
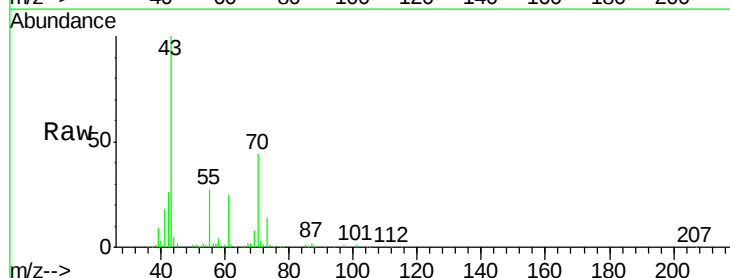
Ion Ratio Lower Upper

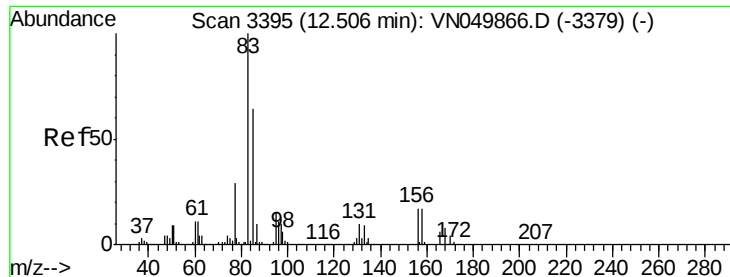
43 100

70 42.5 34.8 52.2

55 27.6 20.9 31.3

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.89 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

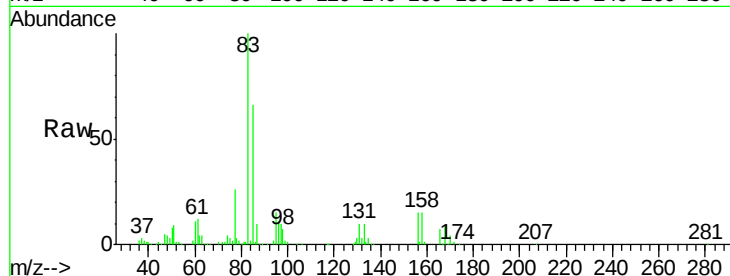
Tot Ion: 83 Resp: 165088

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

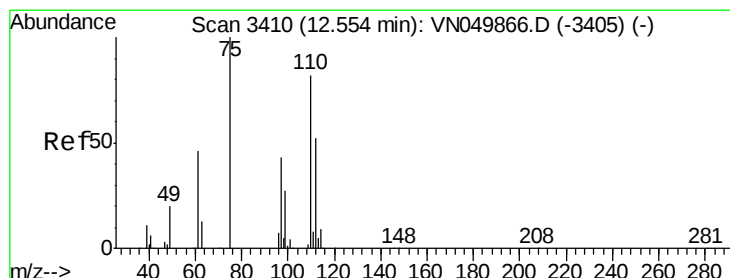
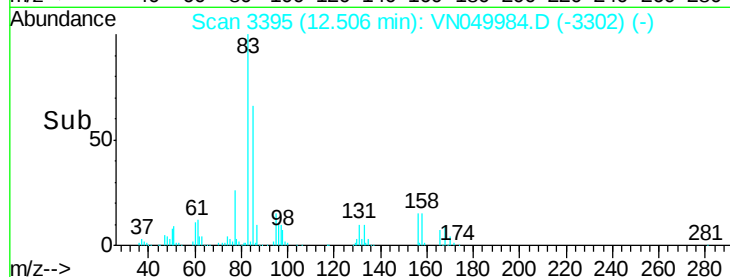
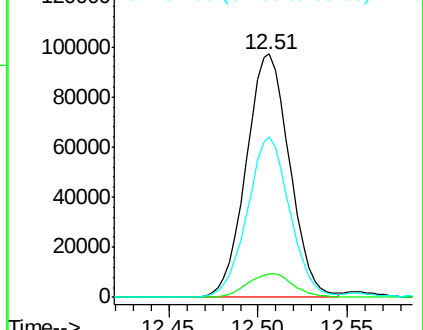
85 64.5 32.5 97.4



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: 26.28 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049984.D

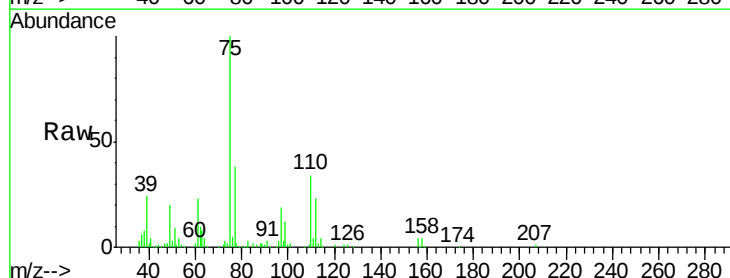
Acq: 21 Jul 2018 2:39

Tgt Ion: 75 Resp: 189272

Ion Ratio Lower Upper

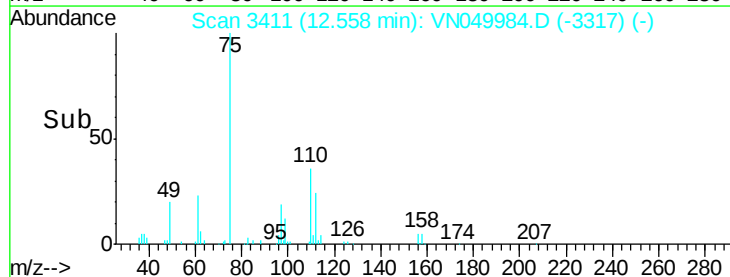
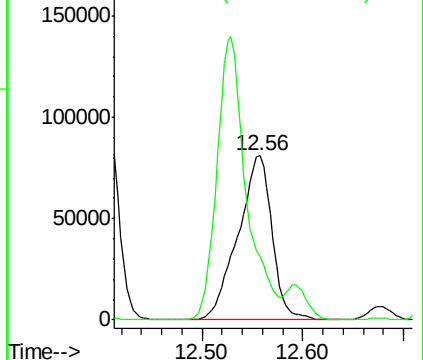
75 100

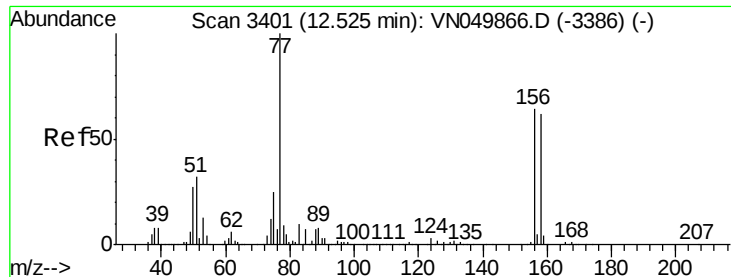
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.26 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

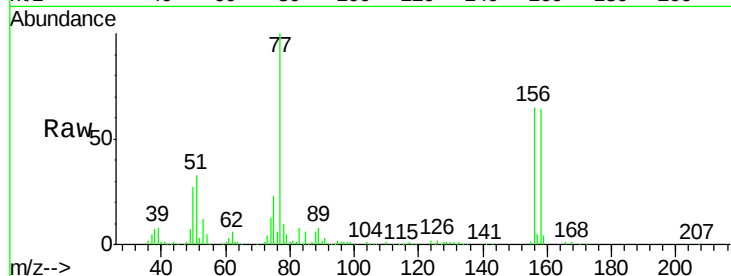
Tot Ion:156 Resp: 155084

Ion Ratio Lower Upper

156 100

77 183.1 90.2 270.6

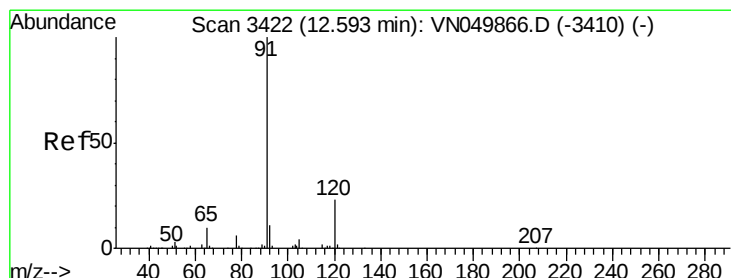
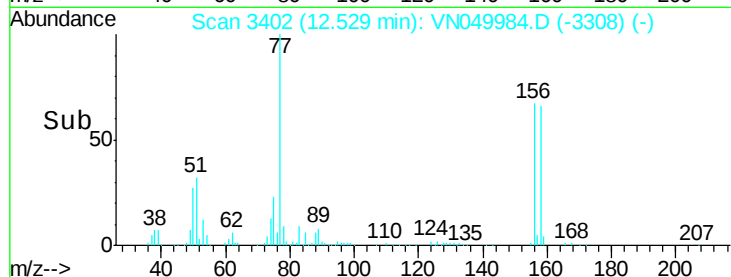
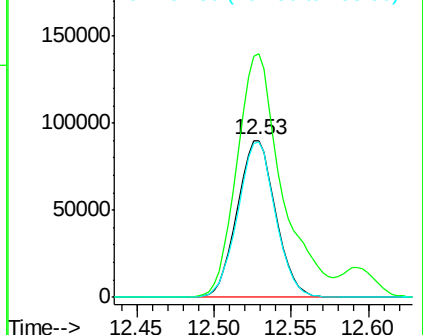
158 97.3 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.65 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049984.D

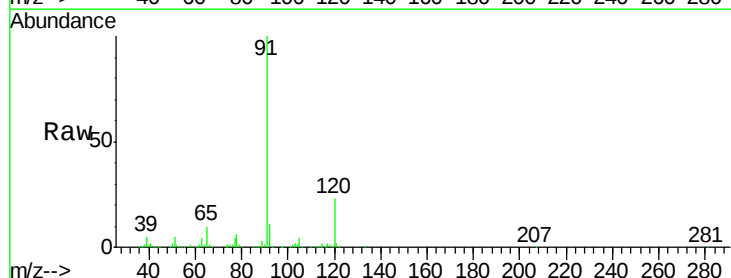
Acq: 21 Jul 2018 2:39

Tgt Ion: 91 Resp: 651480

Ion Ratio Lower Upper

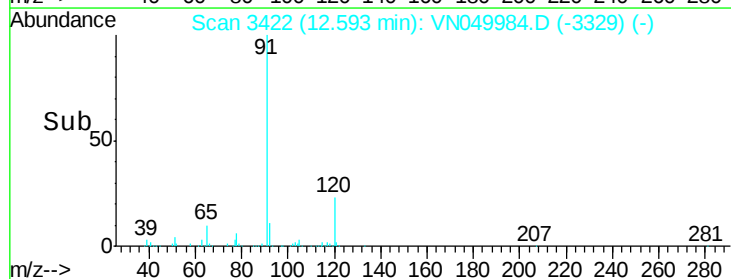
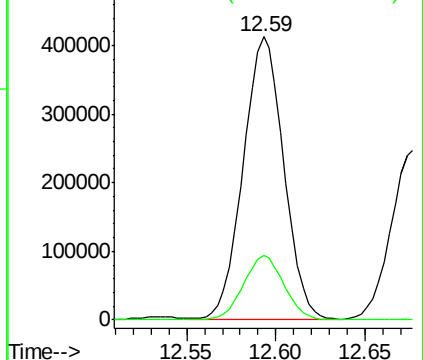
91 100

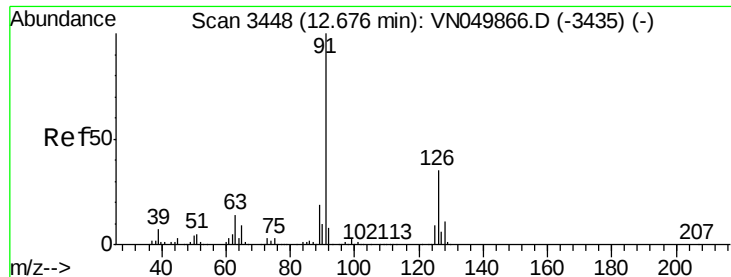
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.98 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

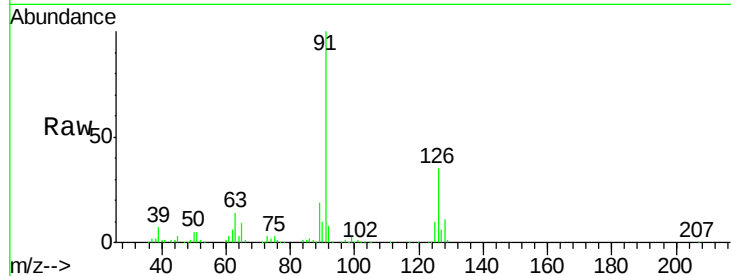
VN0720WBS02

Tot Ion: 91 Resp: 406722

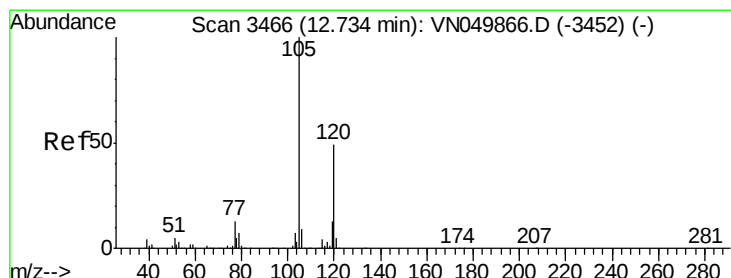
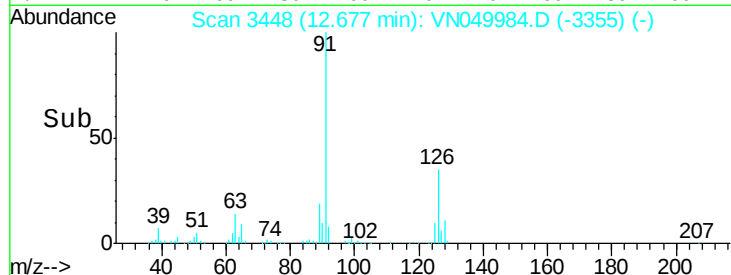
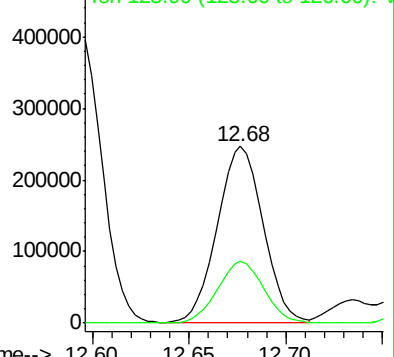
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.19 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049984.D

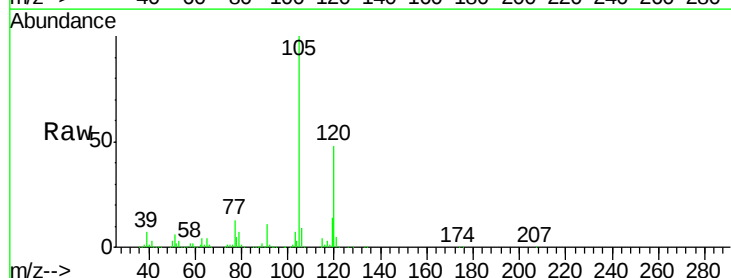
Acq: 21 Jul 2018 2:39

Tgt Ion: 105 Resp: 471886

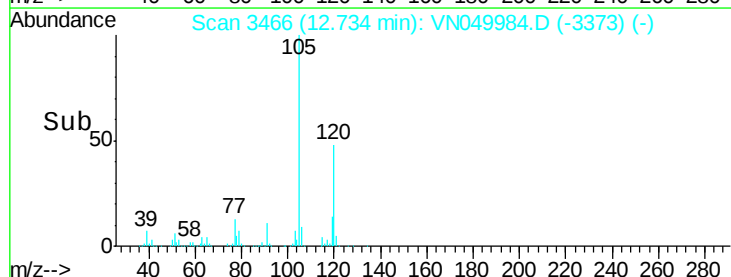
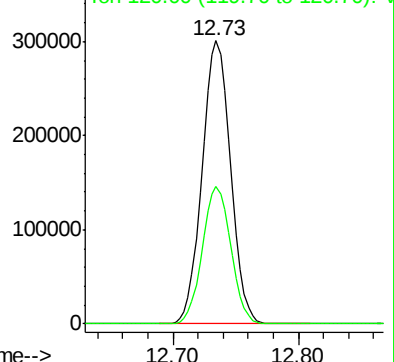
Ion Ratio Lower Upper

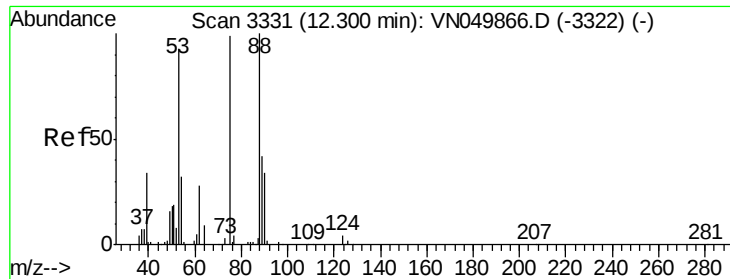
105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.68 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS02

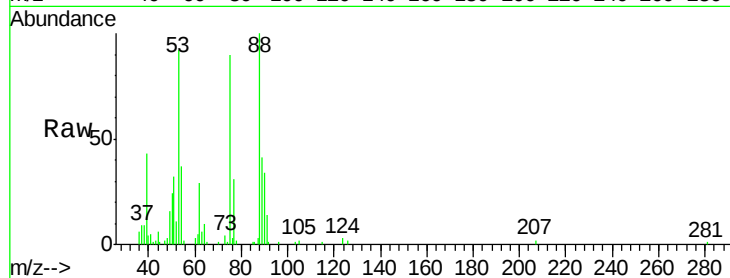
Tot Ion: 75 Resp: 36120

Ion Ratio Lower Upper

75 100

53 99.5 73.9 110.9

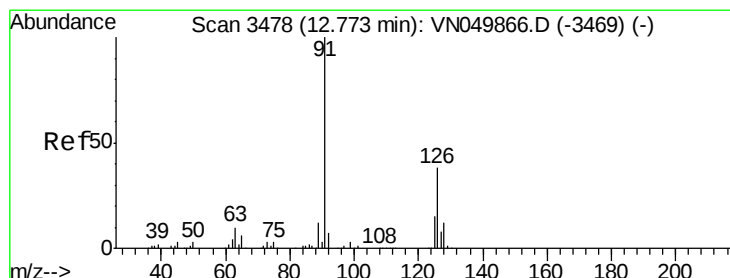
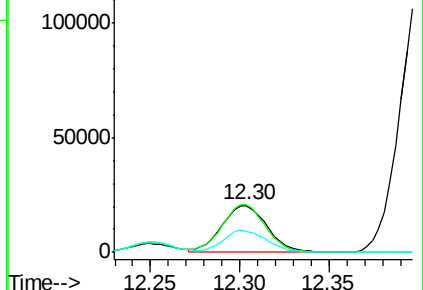
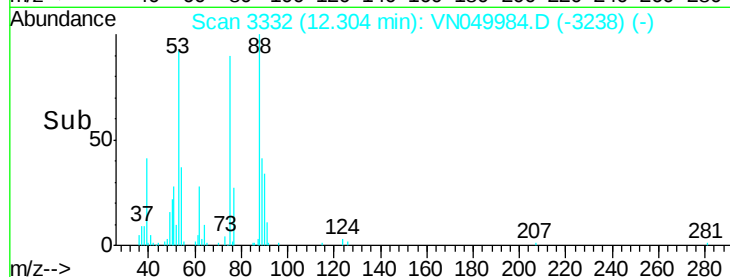
89 45.5 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049984.D

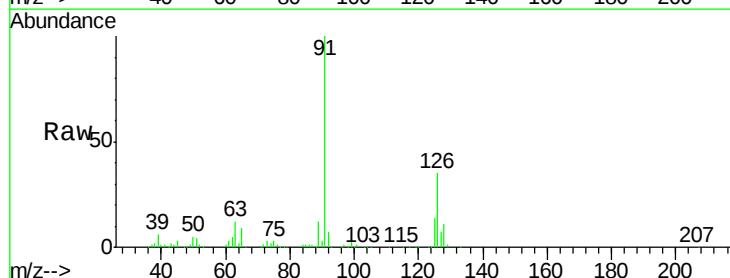
Acq: 21 Jul 2018 2:39

Tgt Ion: 91 Resp: 405257

Ion Ratio Lower Upper

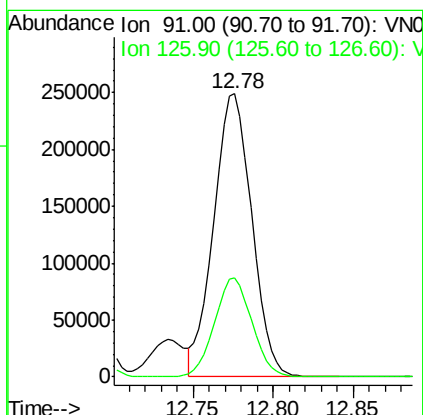
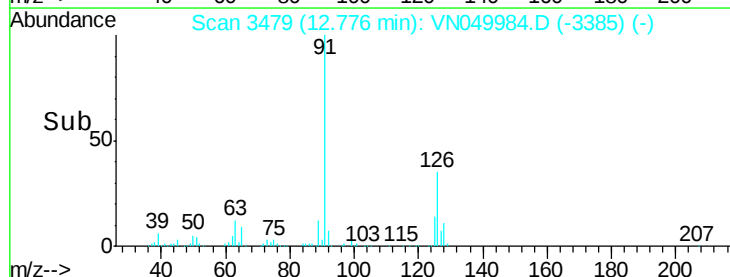
91 100

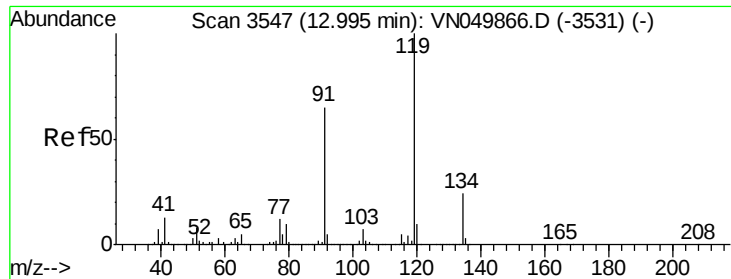
126 34.4 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

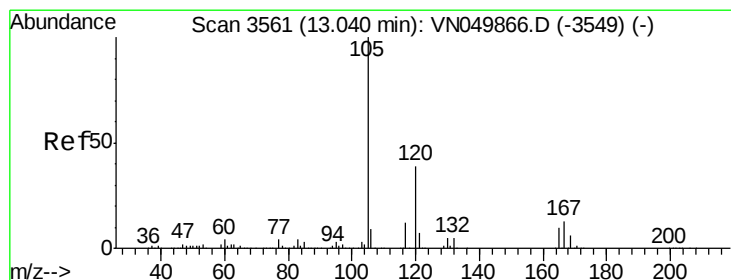
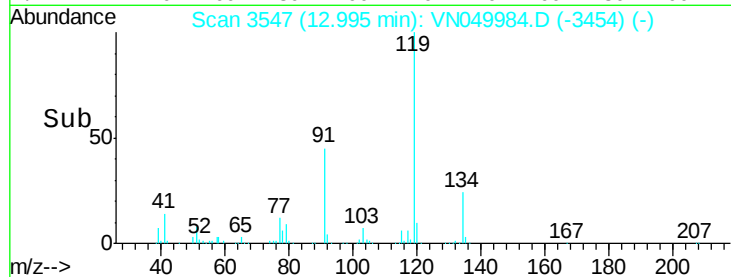
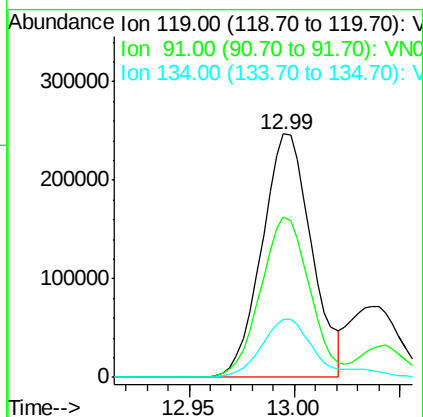
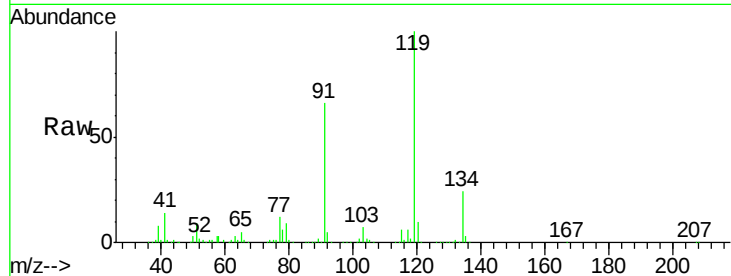




#83
 tert-Butylbenzene
 Concen: 19.69 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

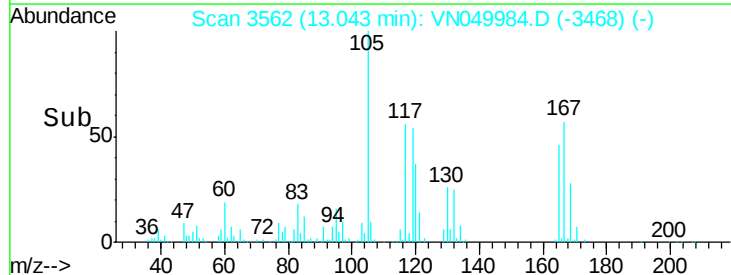
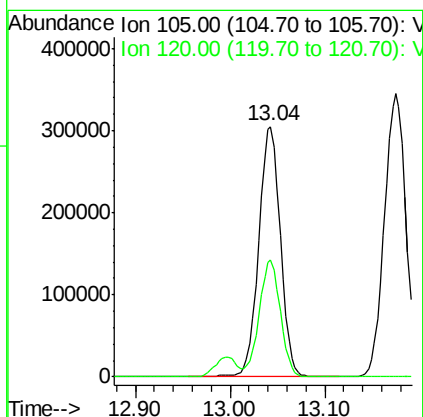
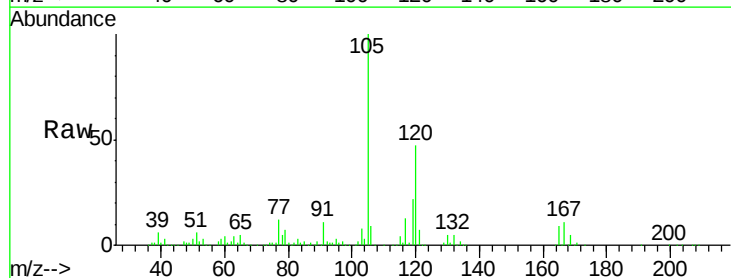
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

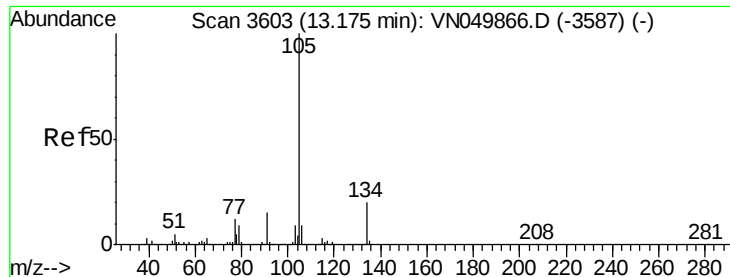
Tot Ion:119 Resp: 404145
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.0 96.2
 134 26.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.46 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion:105 Resp: 484496
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.12 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

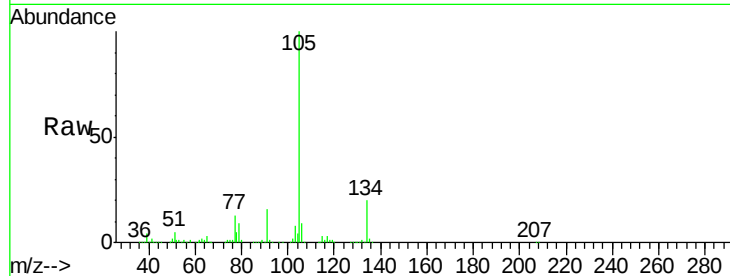
VN0720WBS02

Tot Ion:105 Resp: 545724

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

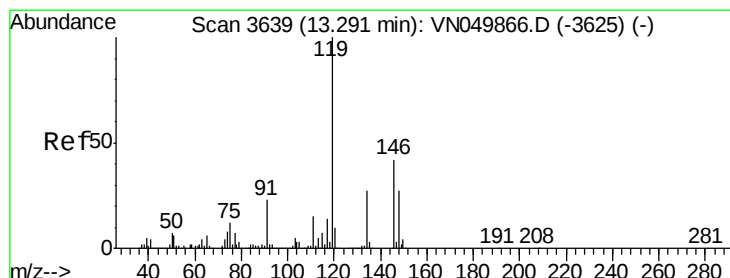
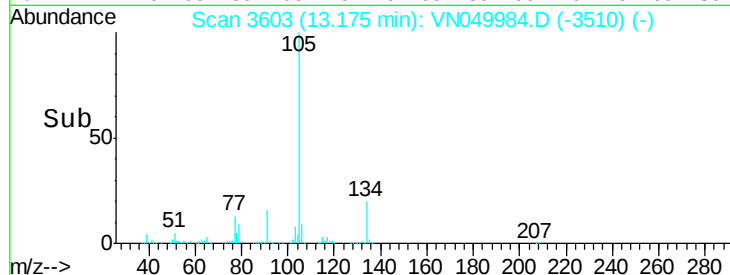
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.82 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

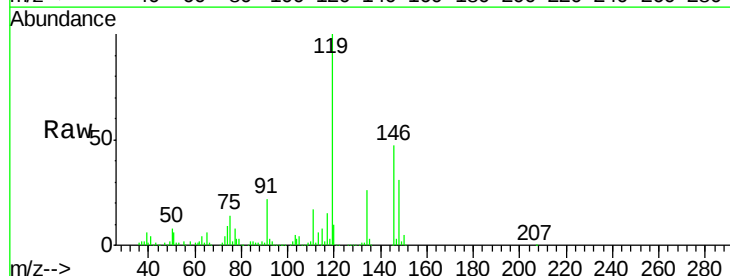
Tgt Ion:119 Resp: 458416

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

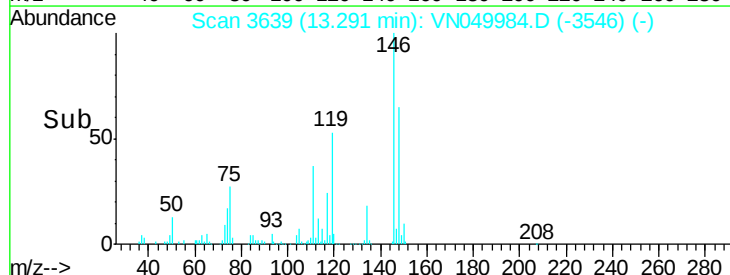
300000

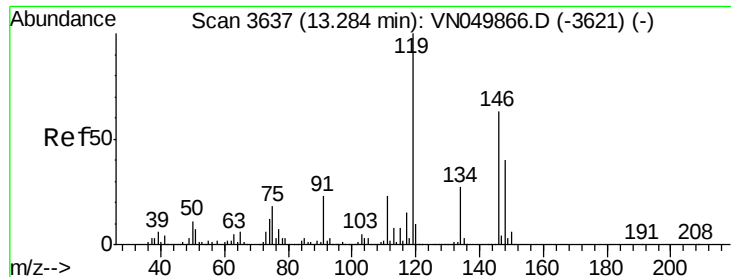
200000

100000

0

Time-->

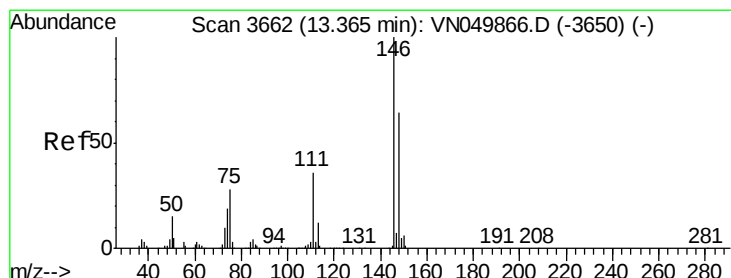
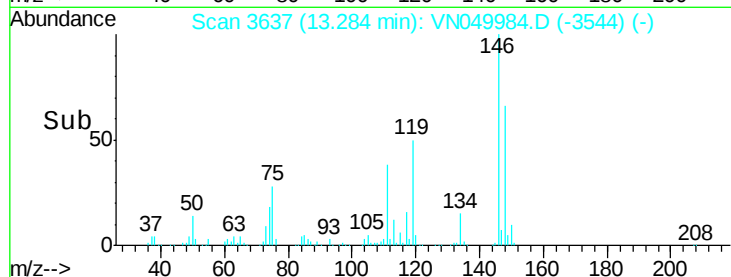
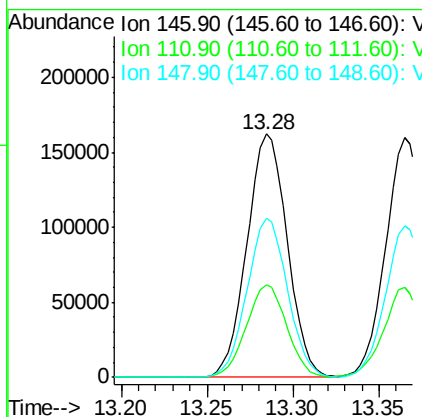
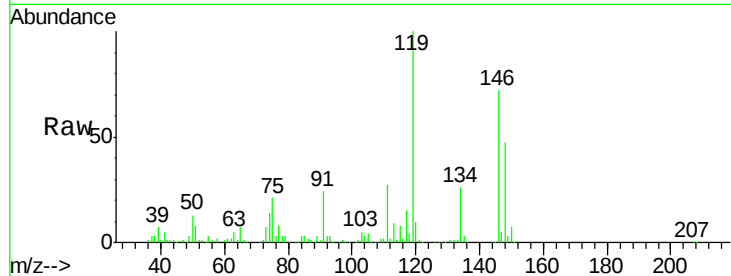




#87
 1,3-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

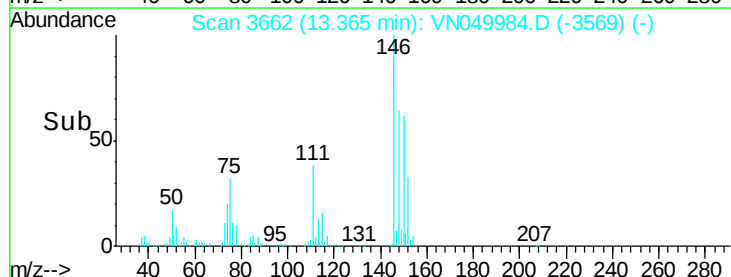
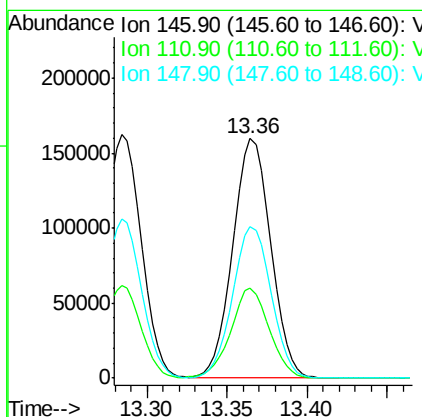
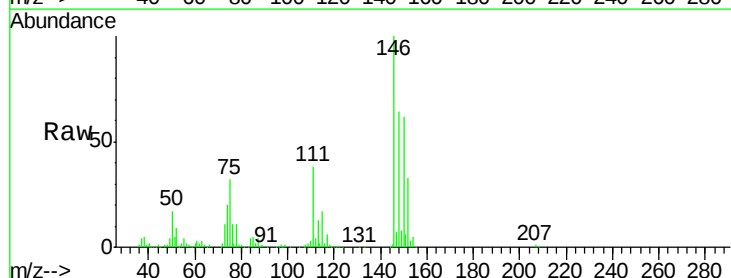
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

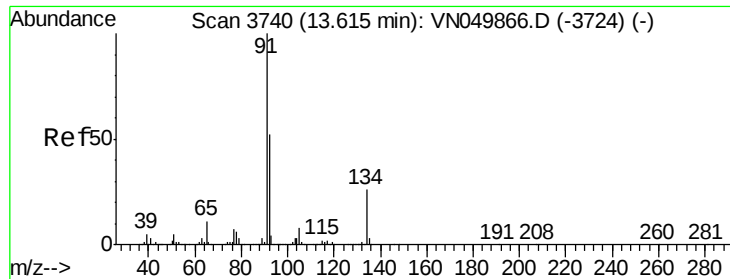
Tot Ion:146 Resp: 264569
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 65.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.38 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion:146 Resp: 258547
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.5
 148 64.2 32.1 96.3





#89

n-Butylbenzene

Concen: 18.05 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049984.D

Acq: 21 Jul 2018 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS02

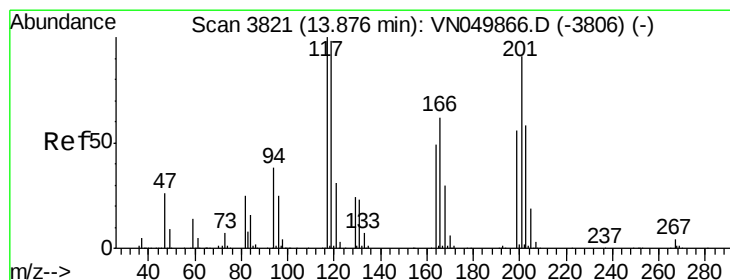
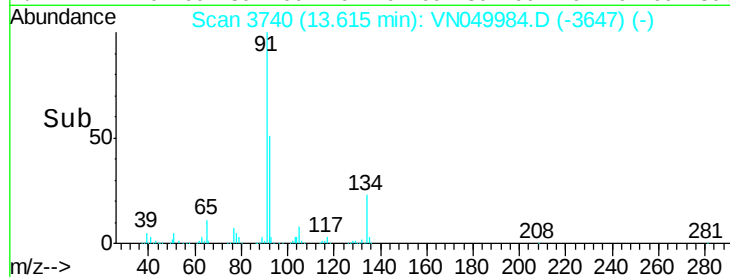
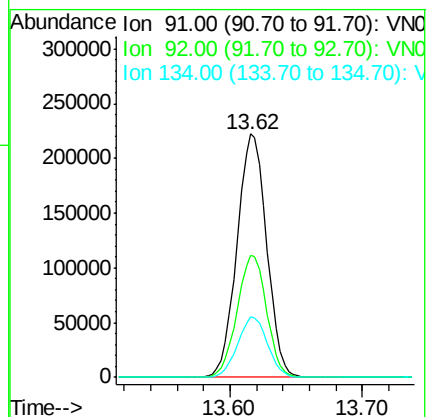
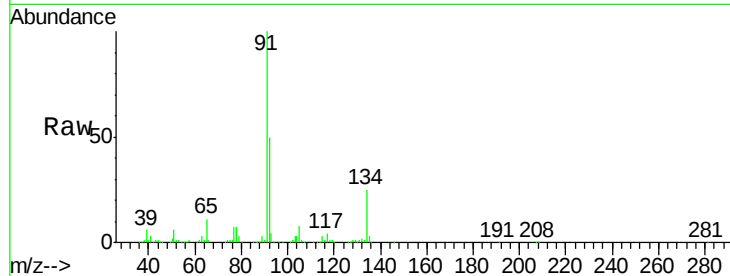
Tot Ion: 91 Resp: 344660

Ion Ratio Lower Upper

91 100

92 49.8 25.8 77.3

134 24.9 13.0 38.9



#90

Hexachloroethane

Concen: 18.22 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049984.D

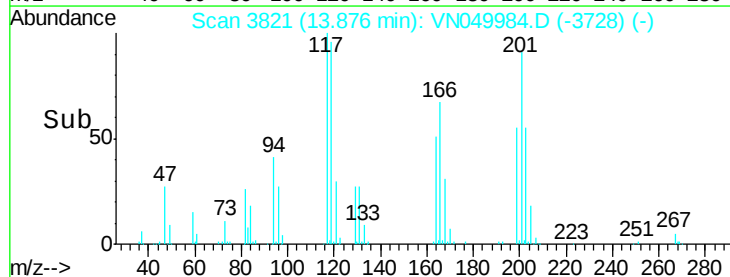
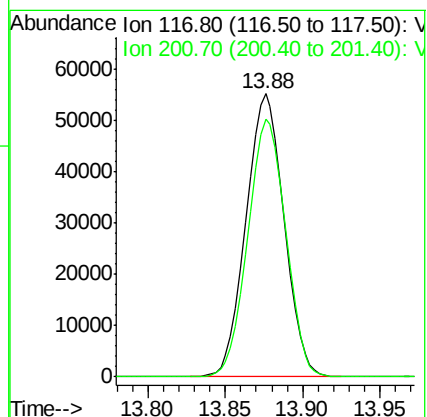
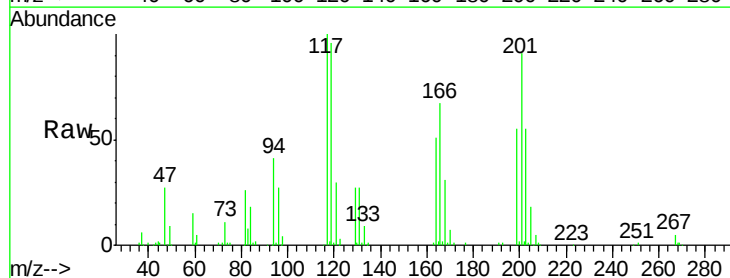
Acq: 21 Jul 2018 2:39

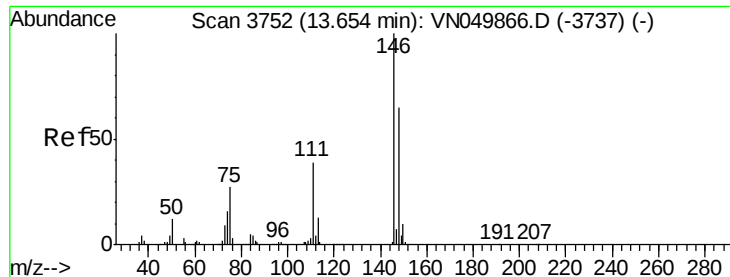
Tgt Ion: 117 Resp: 94591

Ion Ratio Lower Upper

117 100

201 90.6 45.3 135.8

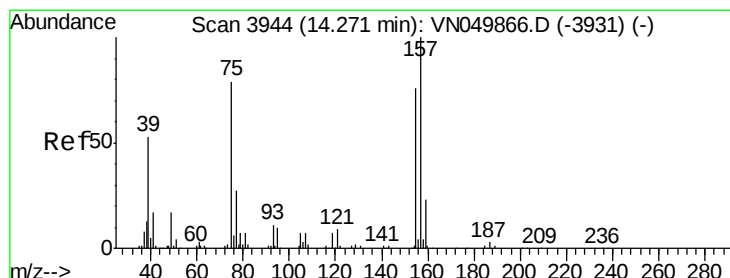
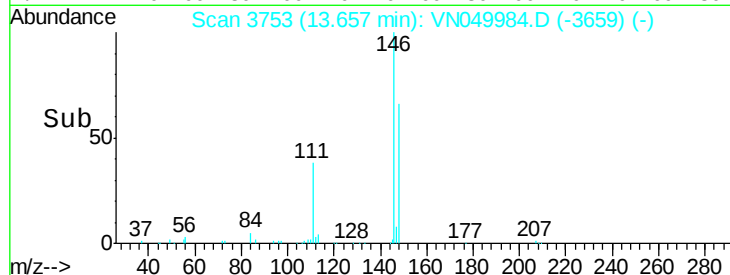
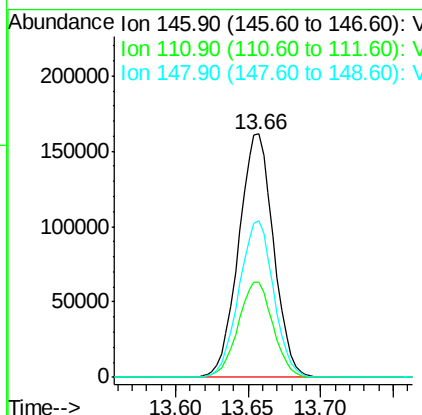
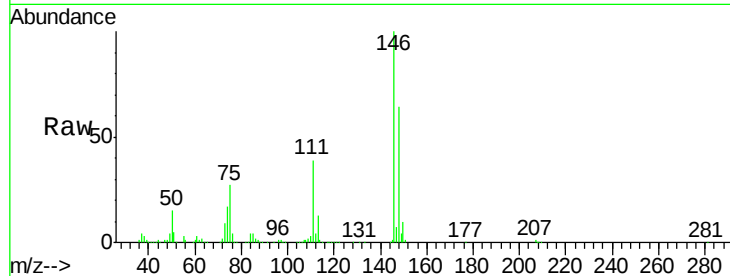




#91
 1,2-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

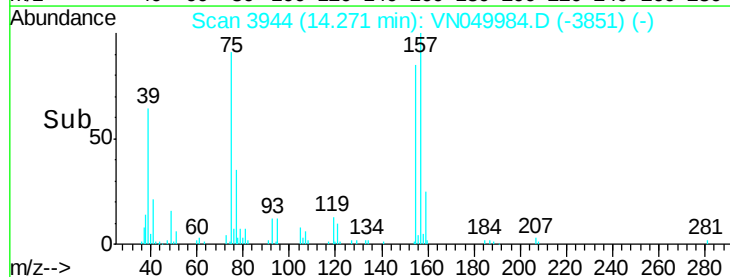
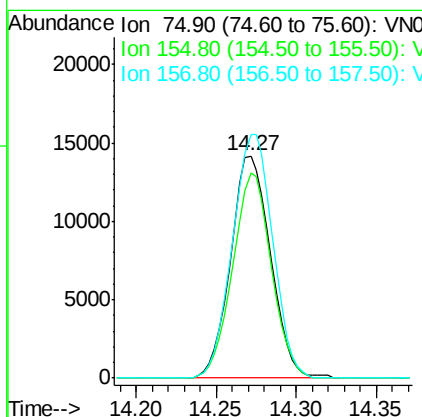
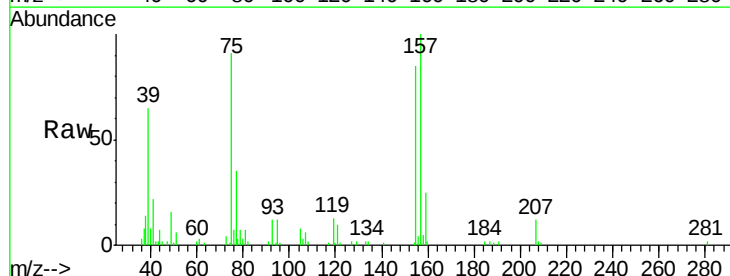
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

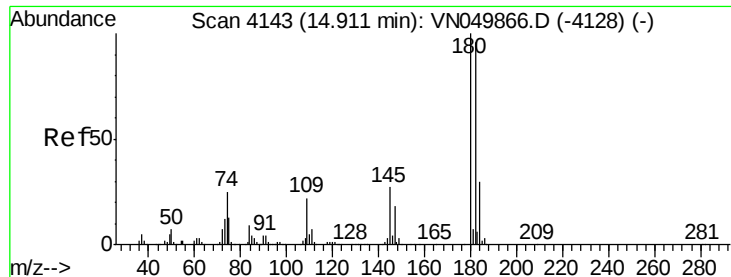
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.80 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	45.7	137.1
157	110.8	56.9	170.7

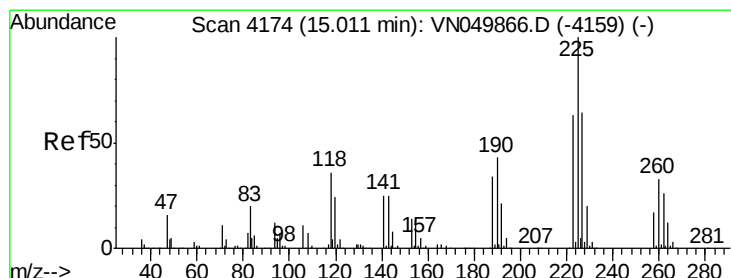
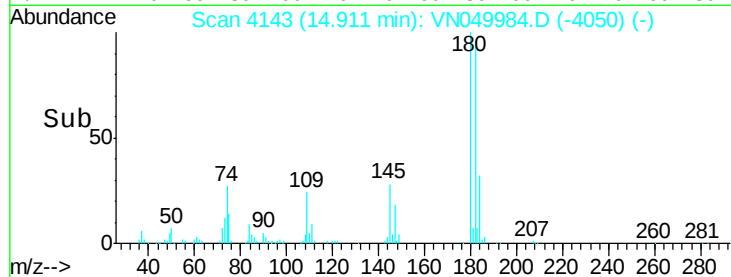
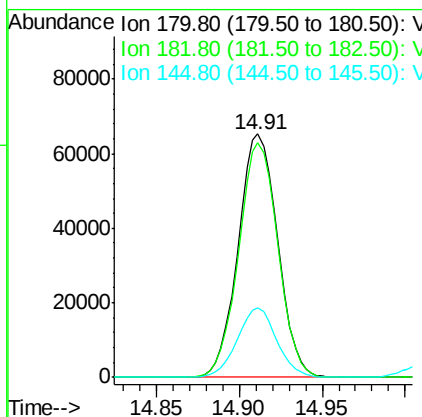
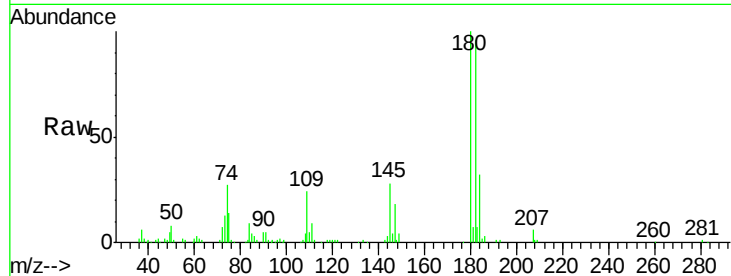




#93
 1,2,4-Trichlorobenzene
 Concen: 16.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

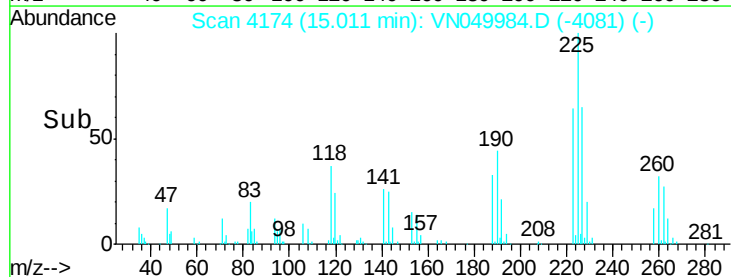
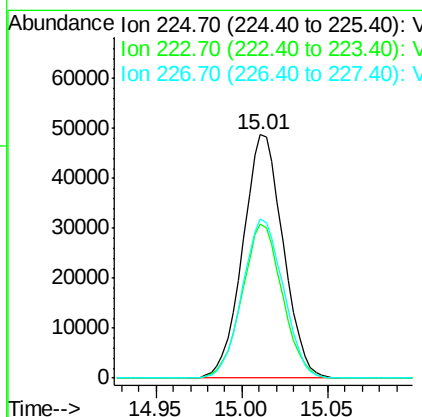
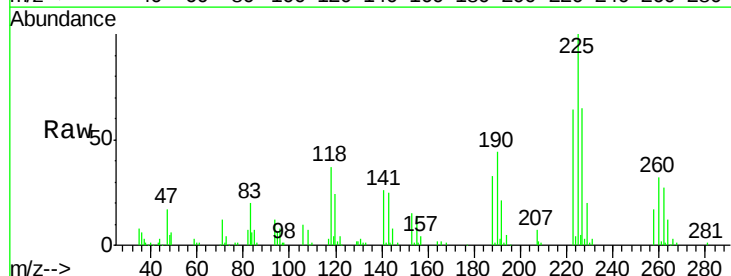
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

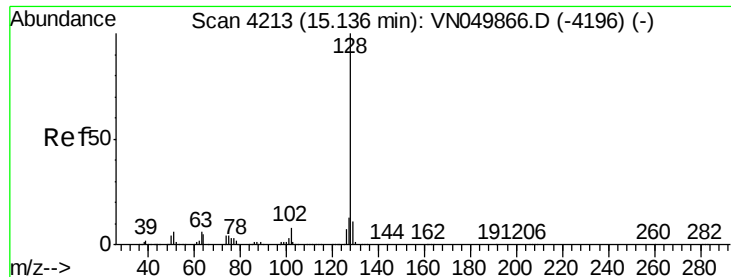
Tot Ion:180 Resp: 107947
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 141.9
 145 28.5 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 17.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049984.D
 Acq: 21 Jul 2018 2:39

Tgt Ion:225 Resp: 79437
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 66.2 31.8 95.4

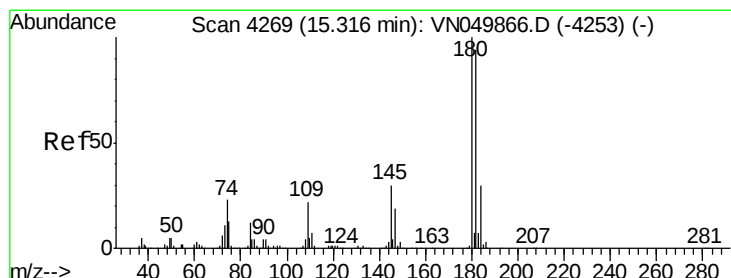
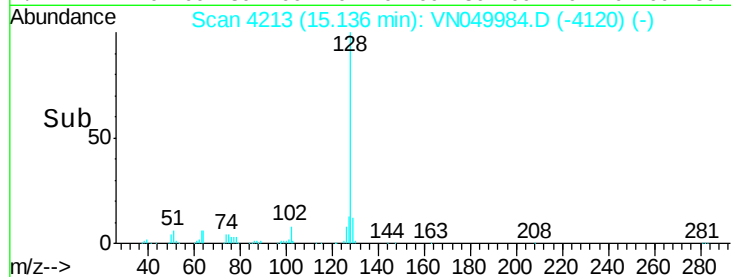
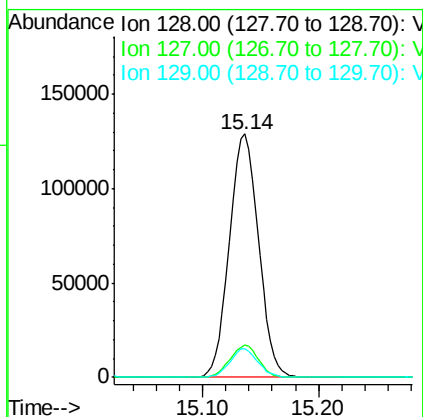
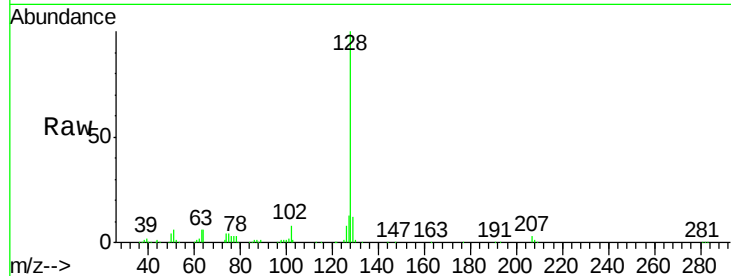




#95
Naphthalene
Concen: 15.71 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS02

Tot Ion:128 Resp: 224063
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.71 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049984.D
Acq: 21 Jul 2018 2:39

Tgt Ion:180 Resp: 117239
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.2
145 30.8 15.2 45.6

