

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049985.D
 Acq On : 21 Jul 2018 3:05
 Operator : MD\SY
 Sample : VN0720WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Quant Time: Jul 21 05:18:43 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	553770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	859092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	381840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	399296	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.59	113	356696	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.09	98	1297497	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	419821	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	97942	18.49	ug/l	97
3) Chloromethane	2.06	50	131770	17.43	ug/l	99
4) Vinyl Chloride	2.18	62	147323	18.27	ug/l	98
5) Bromomethane	2.57	94	86230	17.91	ug/l	99
6) Chloroethane	2.70	64	97155	18.45	ug/l	99
7) Trichlorofluoromethane	3.01	101	204739	18.47	ug/l	99
8) Diethyl Ether	3.41	74	75638	19.56	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126122	18.46	ug/l	99
10) Methyl Iodide	3.95	142	146628	15.99	ug/l	97
11) Tert butyl alcohol	4.80	59	47991	88.51	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	113162	18.85	ug/l	99
13) Acrolein	3.61	56	22384	64.06	ug/l	100
14) Allyl chloride	4.32	41	176402	18.64	ug/l	98
15) Acrylonitrile	5.00	53	234337	98.27	ug/l	100
16) Acetone	3.82	43	176697	89.67	ug/l	98
17) Carbon Disulfide	4.05	76	287894	16.03	ug/l	100
18) Methyl Acetate	4.33	43	146093	23.15	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	338413	20.49	ug/l	99
20) Methylene Chloride	4.55	84	140151	18.70	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	122866	19.27	ug/l	97
22) Diisopropyl ether	5.96	45	415826	21.53	ug/l	99
23) Vinyl Acetate	5.90	43	1344222	99.20	ug/l	100
24) 1,1-Dichloroethane	5.85	63	252121	20.34	ug/l	99
25) 2-Butanone	6.84	43	265476	94.26	ug/l	98
26) 2,2-Dichloropropane	6.83	77	143817	14.91	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	141848	20.28	ug/l	98
28) Bromochloromethane	7.20	49	119698	21.38	ug/l	99
29) Tetrahydrofuran	7.22	42	174900	98.58	ug/l	99
30) Chloroform	7.37	83	259117	20.36	ug/l	98
31) Cyclohexane	7.65	56	188430	18.67	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	217748	19.79	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175808	18.41	ug/l	100
37) Ethyl Acetate	6.94	43	122799	18.72	ug/l	99
38) Carbon Tetrachloride	7.77	117	191220	18.69	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049985.D
 Acq On : 21 Jul 2018 3:05
 Operator : MD\SY
 Sample : VN0720WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Quant Time: Jul 21 05:18:43 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)

39) Methylcyclohexane	9.08	83	167140	16.94	ug/l	98
40) Benzene	8.04	78	556838	19.13	ug/l	100
41) Methacrylonitrile	7.18	41	47766	14.53	ug/l #	68
42) 1,2-Dichloroethane	8.13	62	189159	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	239129	20.87	ug/l	98
44) Trichloroethene	8.84	130	143138	18.75	ug/l	98
45) 1,2-Dichloropropane	9.12	63	151685	19.31	ug/l	99
46) Dibromomethane	9.21	93	90293	18.54	ug/l	99
47) Bromodichloromethane	9.41	83	197520	19.61	ug/l	96
48) Methyl methacrylate	9.20	41	105601	18.37	ug/l	98
49) 1,4-Dioxane	9.20	88	27256	334.24	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	614662	95.95	ug/l	99
52) Toluene	10.16	92	342327	19.71	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	179376	18.01	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	205633	18.68	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135955	18.95	ug/l	98
56) Ethyl methacrylate	10.43	69	152497	17.30	ug/l	97
57) 1,3-Dichloropropane	10.71	76	219351	19.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	384810	91.41	ug/l	100
59) 2-Hexanone	10.75	43	397315	92.34	ug/l	97
60) Dibromochloromethane	10.90	129	149048	18.94	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127860	19.07	ug/l	99
64) Tetrachloroethene	10.63	164	142990	20.81	ug/l	99
65) Chlorobenzene	11.44	112	377225	19.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	146519	19.69	ug/l	99
67) Ethyl Benzene	11.51	91	605088	19.42	ug/l	100
68) m/p-Xylenes	11.62	106	472597	40.06	ug/l	99
69) o-Xylene	11.95	106	226914	20.03	ug/l	96
70) Styrene	11.97	104	373998	20.38	ug/l	100
71) Bromoform	12.13	173	102420	19.24	ug/l #	98
73) Isopropylbenzene	12.25	105	604470	20.84	ug/l	100
74) N-amyl acetate	12.07	43	171720	19.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	170112	19.58	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	197735	27.61	ug/l #	100
77) Bromobenzene	12.53	156	159417	19.90	ug/l	97
78) n-propylbenzene	12.59	91	687036	20.83	ug/l	100
79) 2-Chlorotoluene	12.68	91	425093	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	499725	21.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38678	16.88	ug/l	96
82) 4-Chlorotoluene	12.78	91	423363	20.84	ug/l	99
83) tert-Butylbenzene	13.00	119	426169	20.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	507600	21.55	ug/l	99
85) sec-Butylbenzene	13.17	105	567834	21.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	476185	20.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281180	20.15	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	275680	19.70	ug/l	99
89) n-Butylbenzene	13.62	91	367696	19.36	ug/l	99
90) Hexachloroethane	13.88	117	96559	18.71	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	282117	20.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24535	18.27	ug/l	96

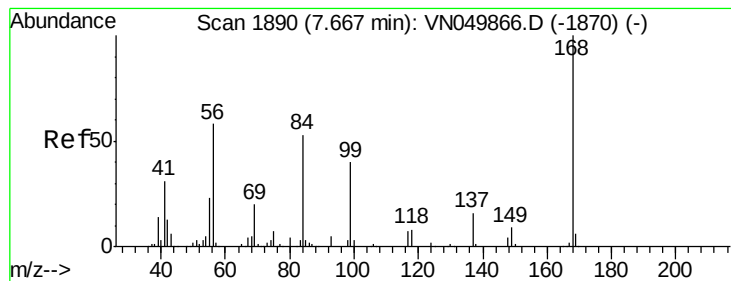
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
Data File : VN049985.D
Acq On : 21 Jul 2018 3:05
Operator : MD\SY
Sample : VN0720WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Quant Time: Jul 21 05:18:43 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)
93) 1,2,4-Trichlorobenzene	14.91	180	120263	18.27	ug/l	99
94) Hexachlorobutadiene	15.01	225	85426	19.00	ug/l	99
95) Naphthalene	15.14	128	252013	17.17	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	129207	19.63	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: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

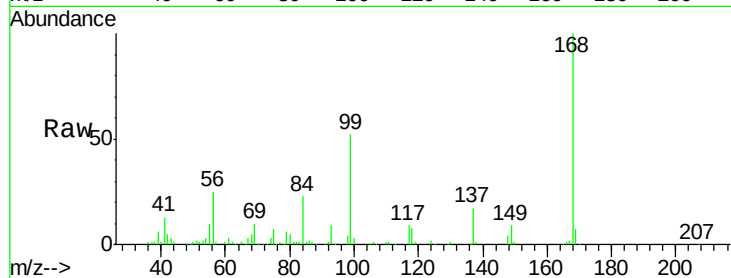
VN0720WBSD02

Tot Ion:168 Resp: 553770

Ion Ratio Lower Upper

168 100

99 51.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

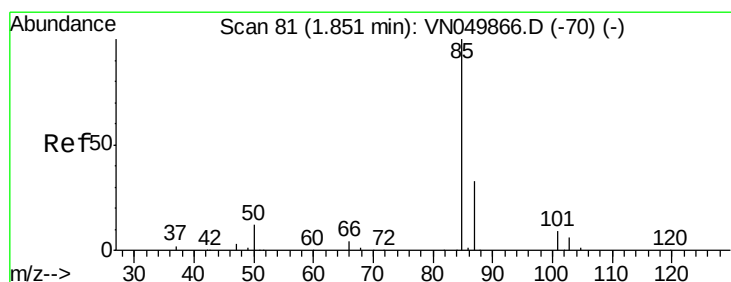
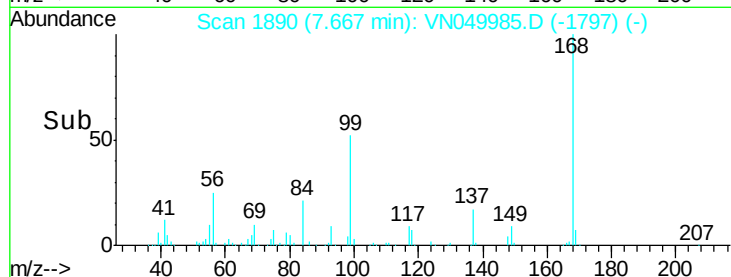
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.49 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049985.D

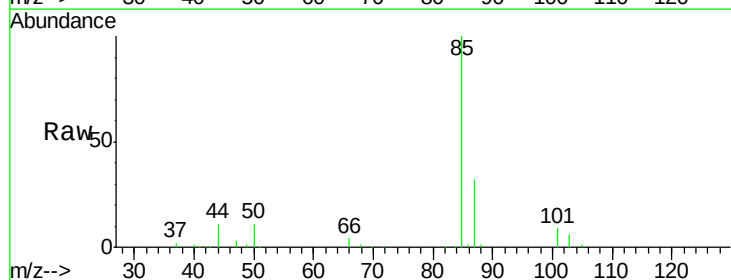
Acq: 21 Jul 2018 3:05

Tgt Ion: 85 Resp: 97942

Ion Ratio Lower Upper

85 100

87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

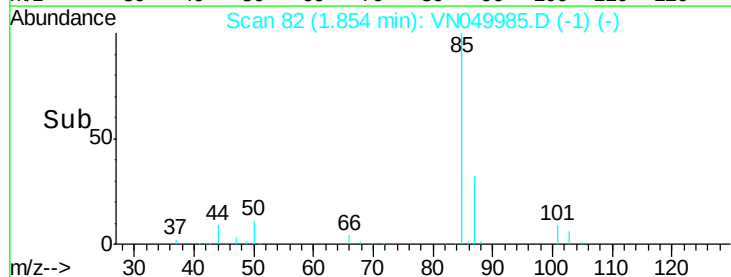
40000

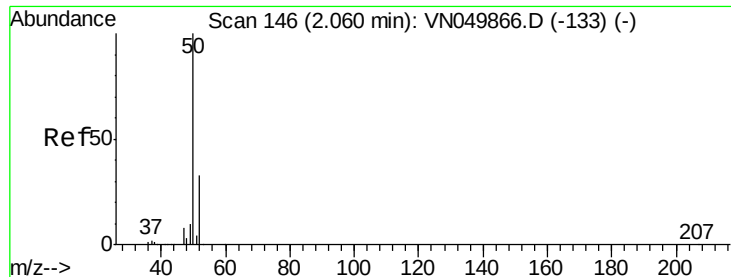
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.43 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

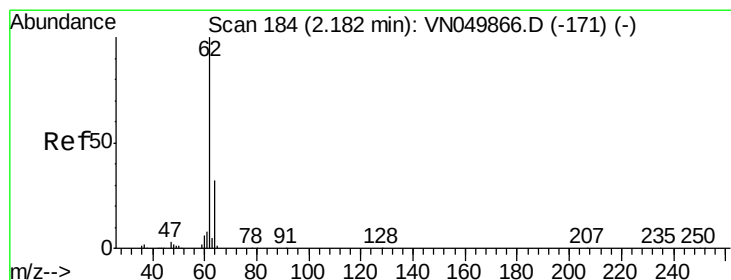
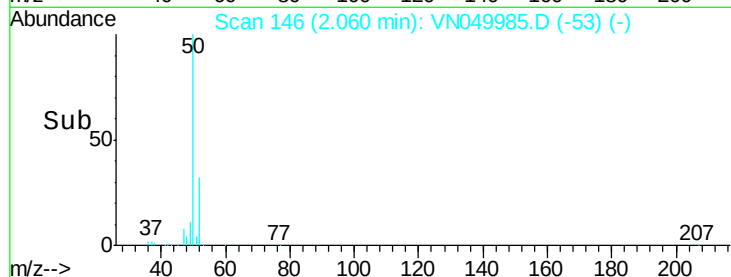
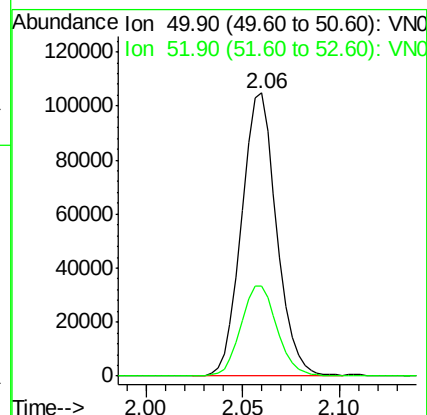
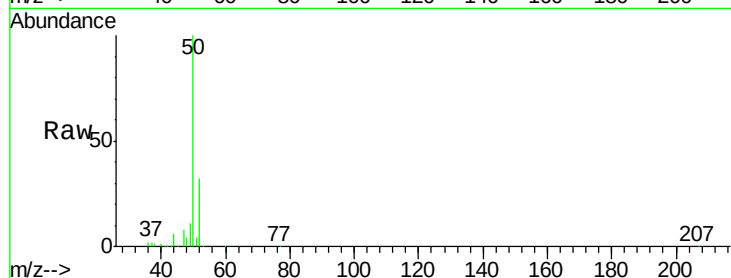
VN0720WBSD02

Tot Ion: 50 Resp: 131770

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 18.27 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049985.D

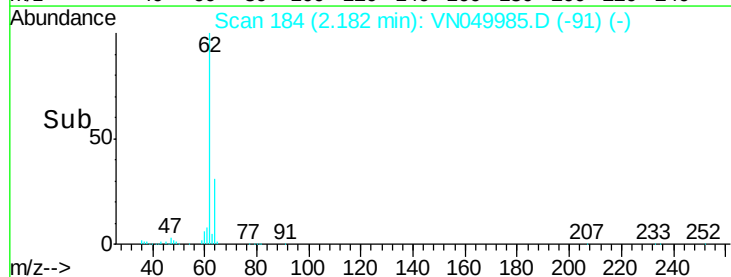
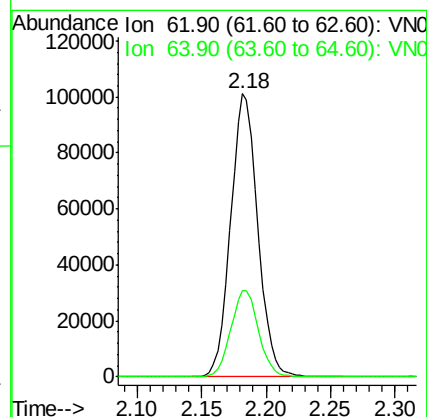
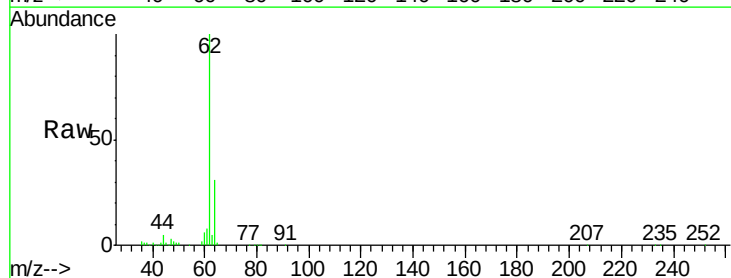
Acq: 21 Jul 2018 3:05

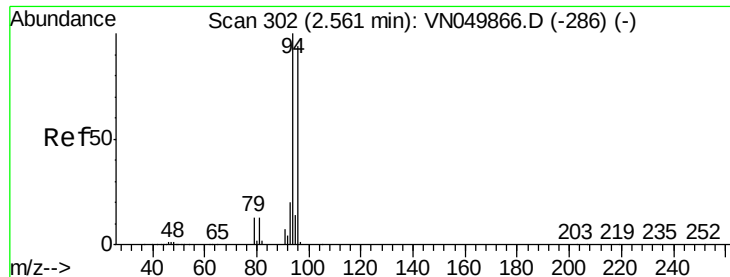
Tgt Ion: 62 Resp: 147323

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.0





#5

Bromomethane

Concen: 17.91 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

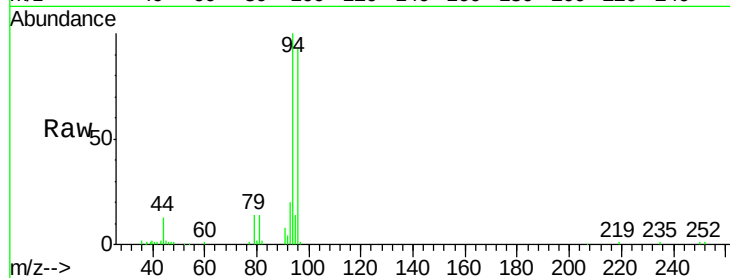
VN0720WBSD02

Tot Ion: 94 Resp: 86230

Ion Ratio Lower Upper

94 100

96 93.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

50000

40000

30000

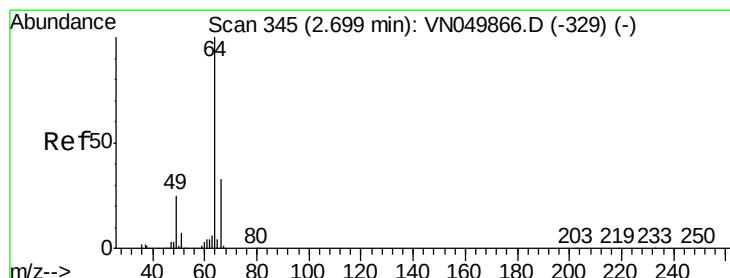
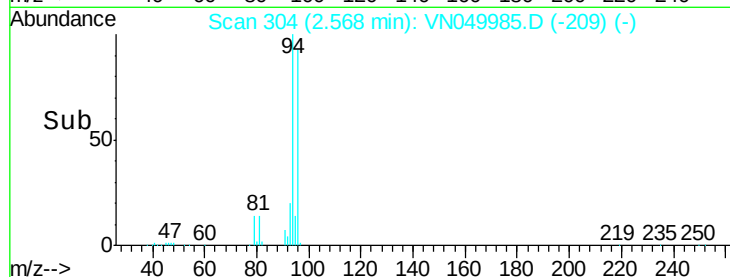
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.45 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049985.D

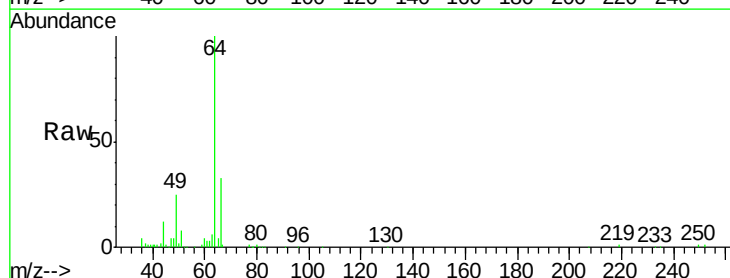
Acq: 21 Jul 2018 3:05

Tgt Ion: 64 Resp: 97155

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

60000

50000

40000

30000

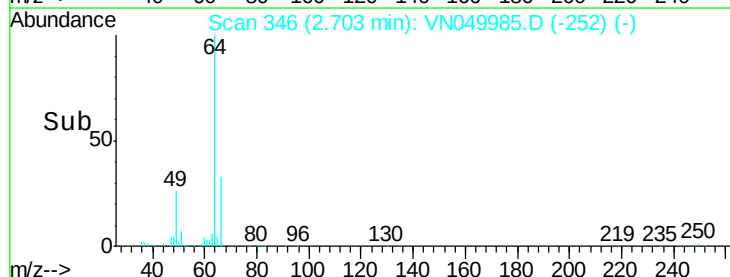
20000

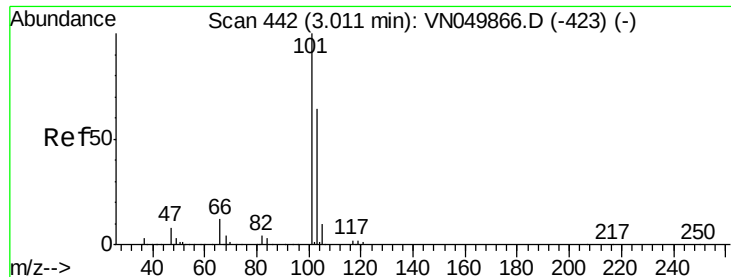
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

Trichlorofluoromethane

Concen: 18.47 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

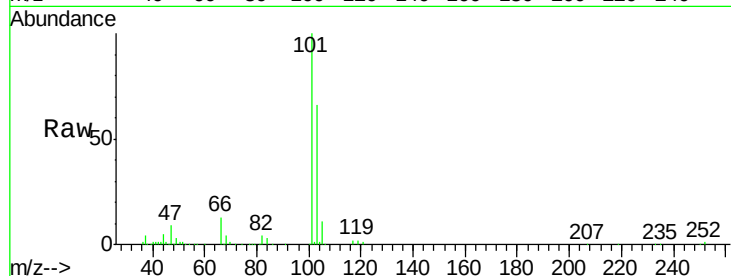
VN0720WBSD02

Tot Ion:101 Resp: 204739

Ion Ratio Lower Upper

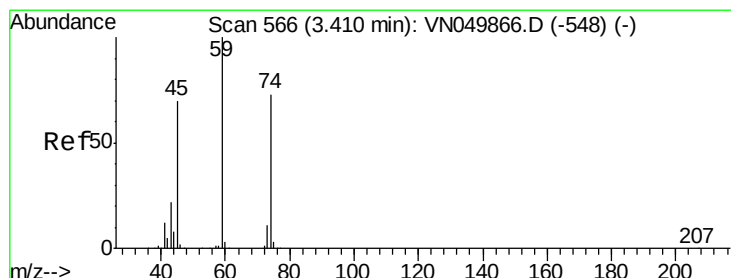
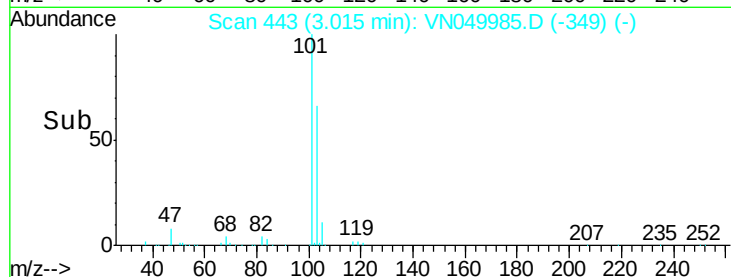
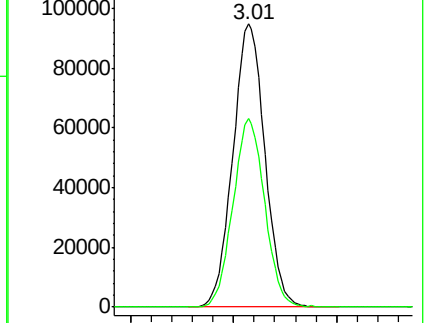
101 100

103 66.5 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.56 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049985.D

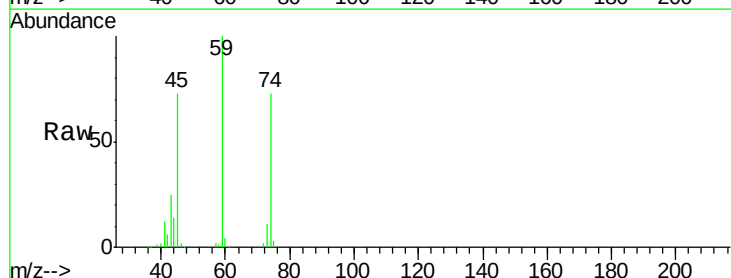
Acq: 21 Jul 2018 3:05

Tgt Ion: 74 Resp: 75638

Ion Ratio Lower Upper

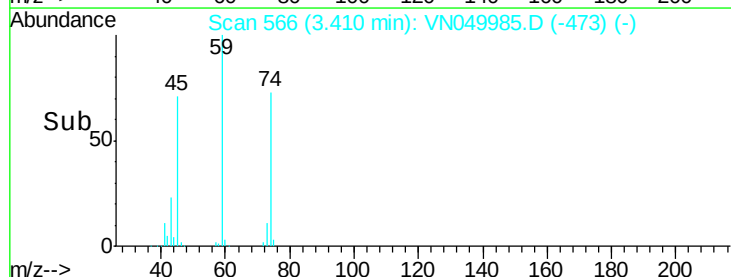
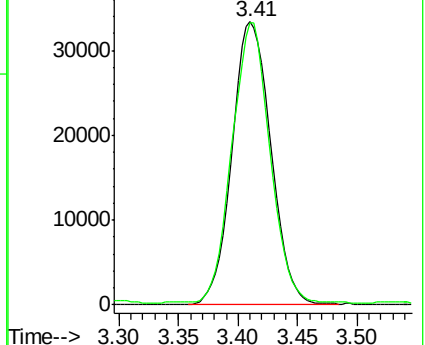
74 100

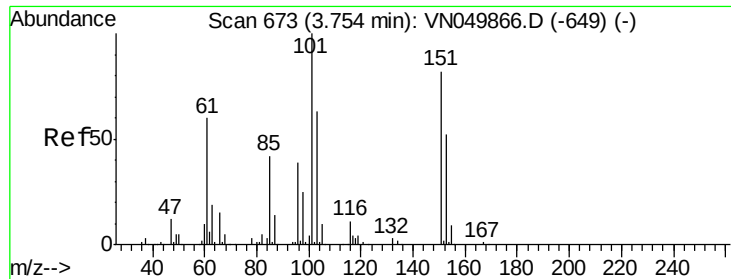
45 96.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.46 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

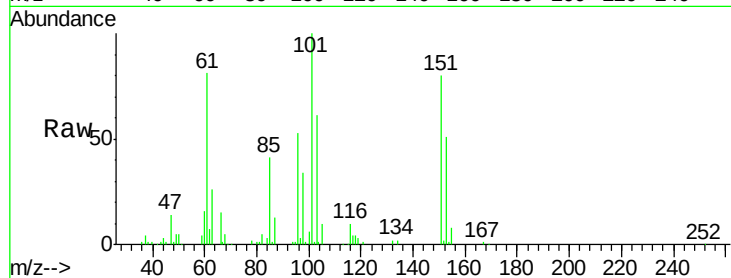
Tot Ion:101 Resp: 126122

Ion Ratio Lower Upper

101 100

85 43.2 34.4 51.6

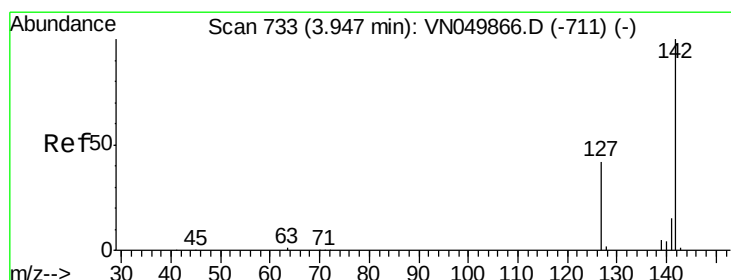
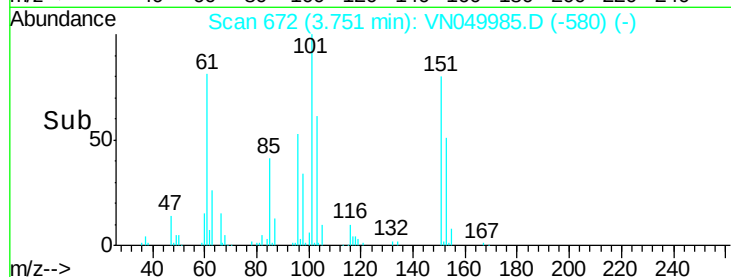
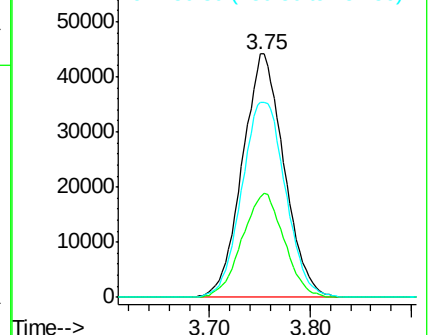
151 84.3 66.2 99.4



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: 15.99 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

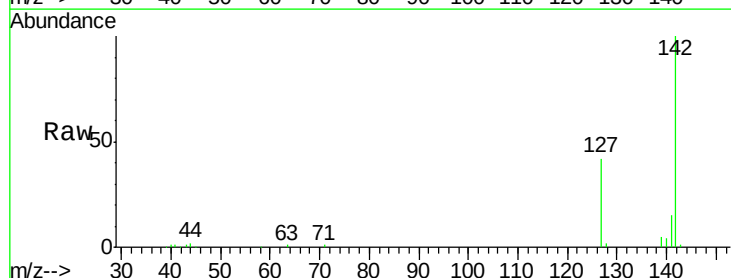
Tgt Ion:142 Resp: 146628

Ion Ratio Lower Upper

142 100

127 42.7 32.5 48.7

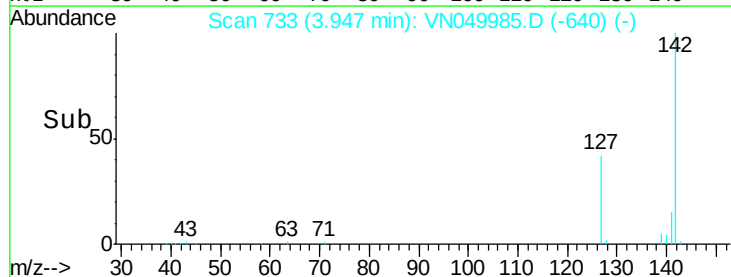
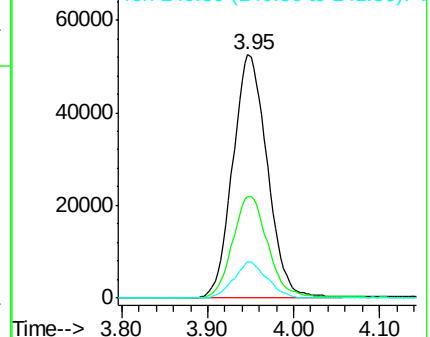
141 14.3 11.1 16.7

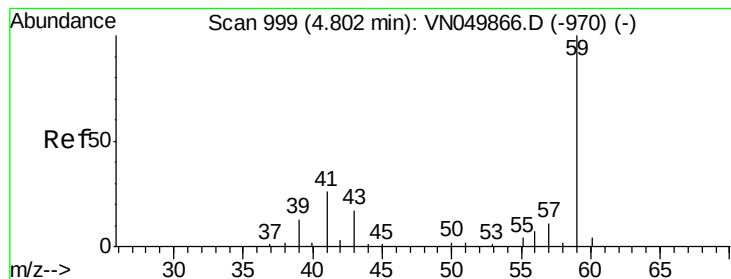


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.51 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

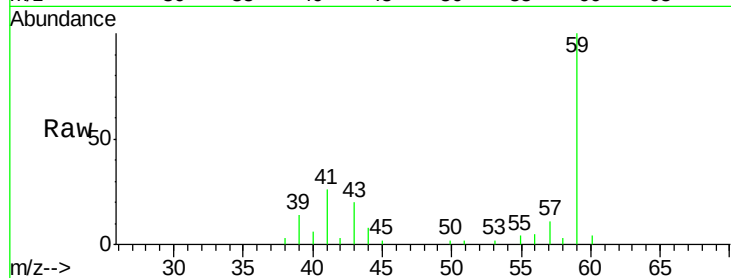
VN0720WBSD02

Tot Ion: 59 Resp: 47991

Ion Ratio Lower Upper

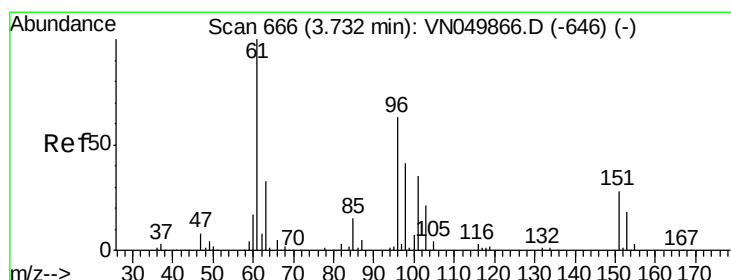
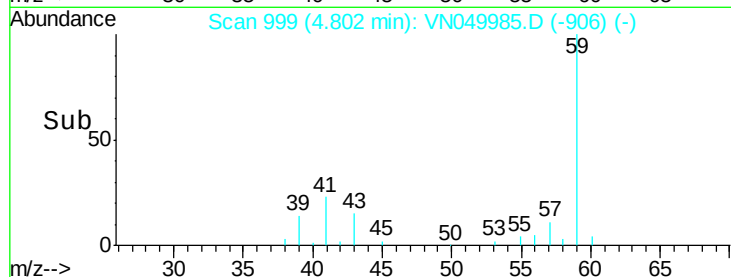
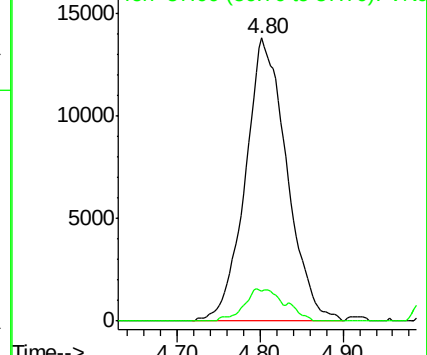
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.85 ug/l

RT: 3.73 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

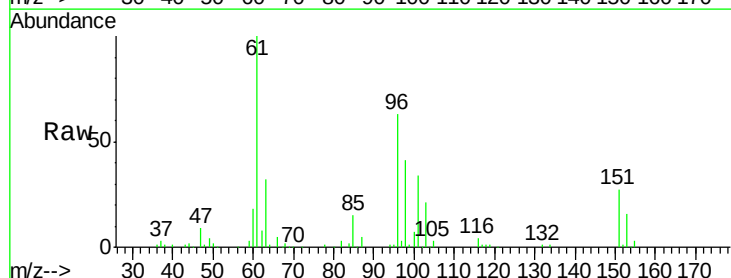
Tgt Ion: 96 Resp: 113162

Ion Ratio Lower Upper

96 100

61 158.9 126.5 189.7

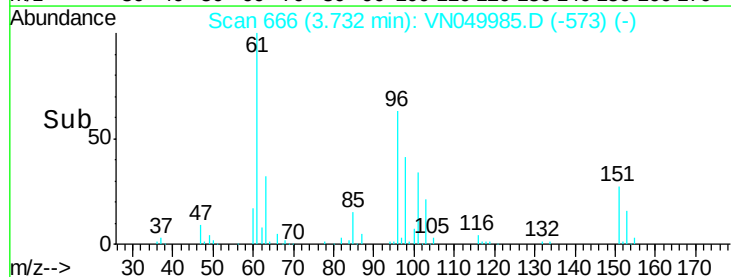
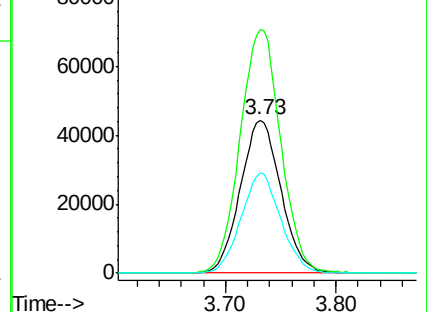
98 65.8 51.0 76.6

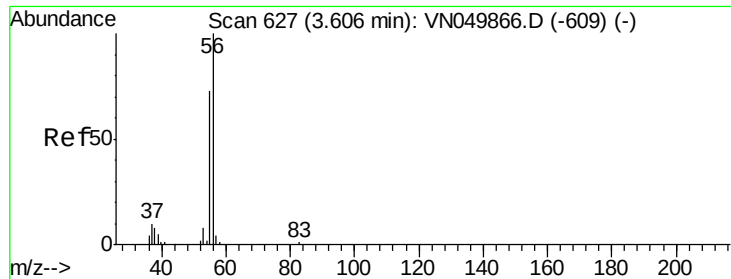


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 64.06 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

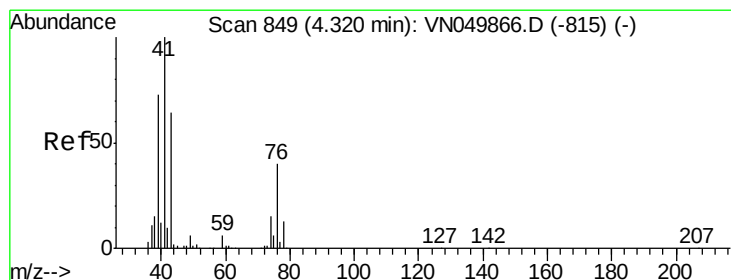
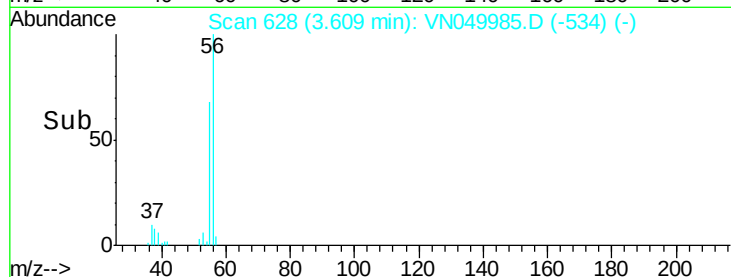
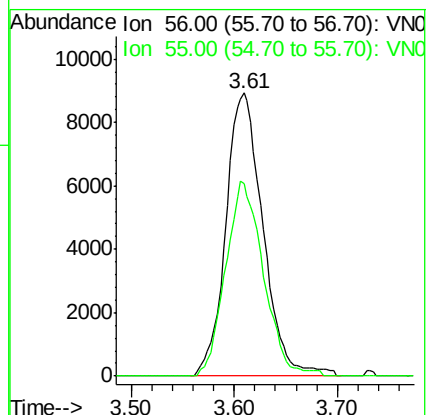
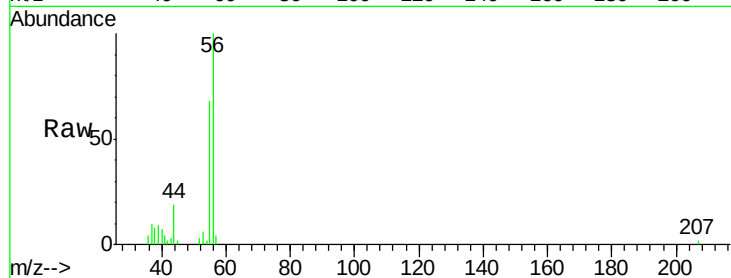
VN0720WBSD02

Tot Ion: 56 Resp: 22384

Ion Ratio Lower Upper

56 100

55 69.5 55.8 83.8



#14

Allyl chloride

Concen: 18.64 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

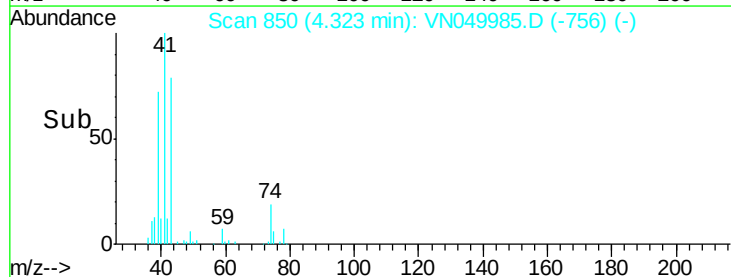
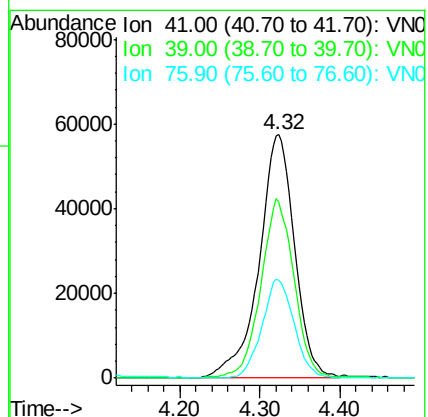
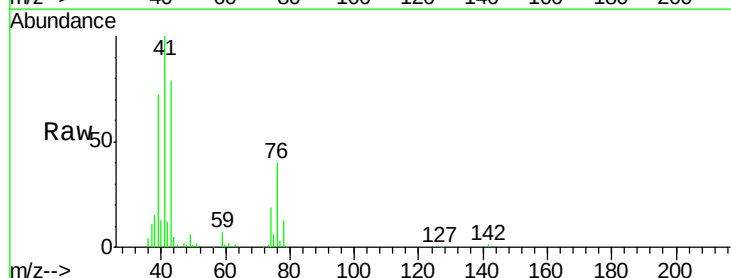
Tgt Ion: 41 Resp: 176402

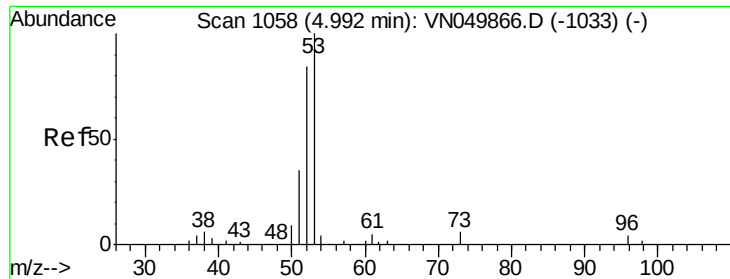
Ion Ratio Lower Upper

41 100

39 68.5 53.2 79.8

76 36.5 29.0 43.6





#15

Acrylonitrile

Concen: 98.27 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD02

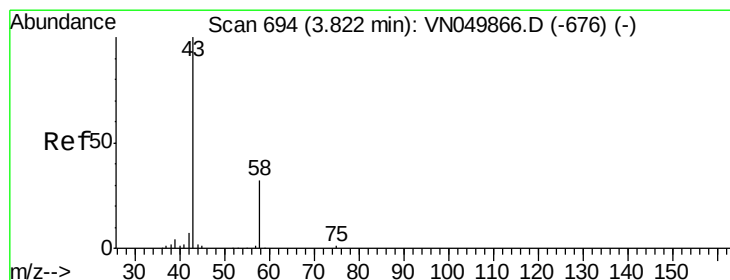
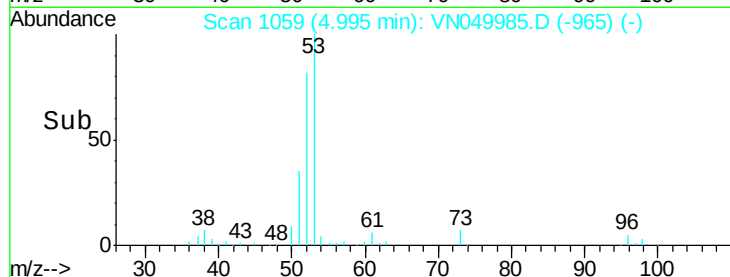
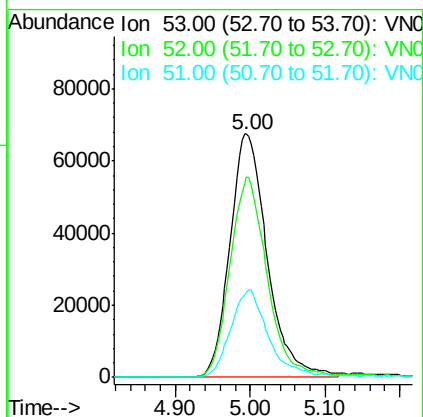
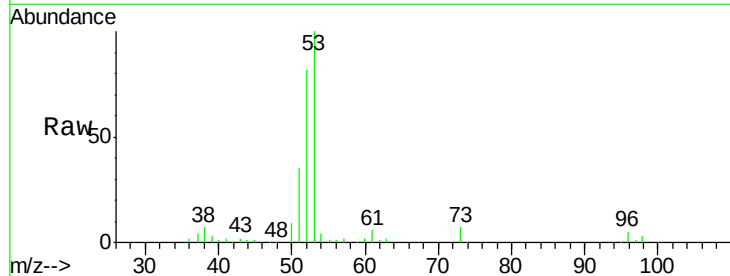
Tot Ion: 53 Resp: 234337

Ion Ratio Lower Upper

53 100

52 81.3 64.8 97.2

51 36.0 28.9 43.3



#16

Acetone

Concen: 89.67 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049985.D

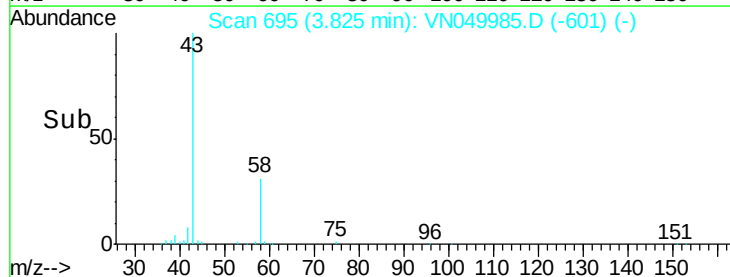
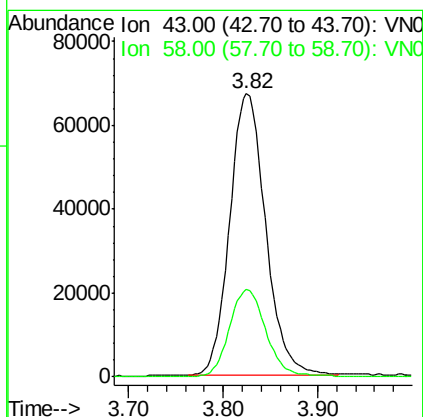
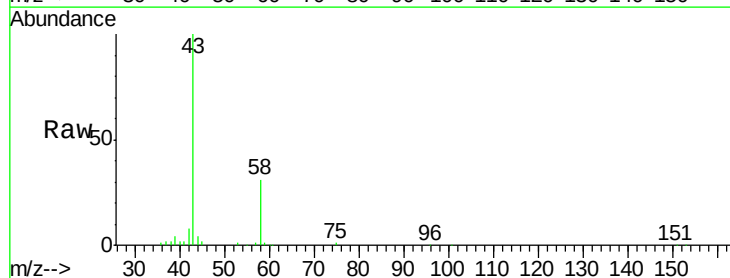
Acq: 21 Jul 2018 3:05

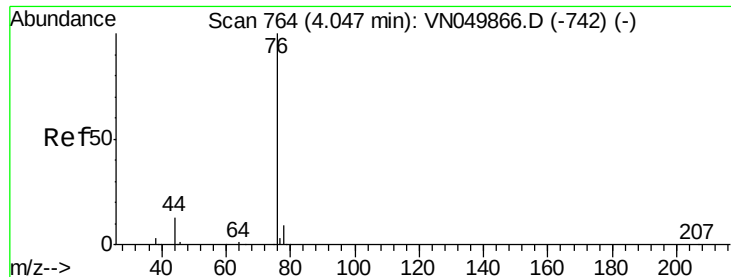
Tgt Ion: 43 Resp: 176697

Ion Ratio Lower Upper

43 100

58 31.0 25.9 38.9





#17

Carbon Disulfide

Concen: 16.03 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

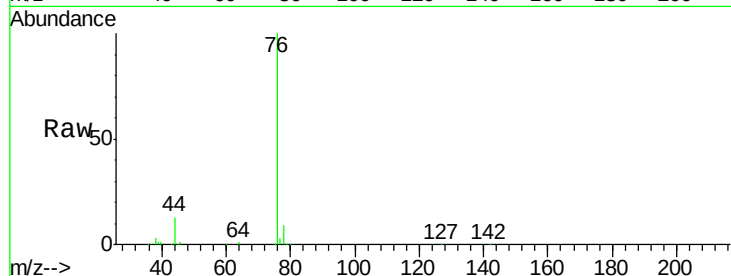
VN0720WBSD02

Tot Ion: 76 Resp: 287894

Ion Ratio Lower Upper

76 100

78 9.0 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

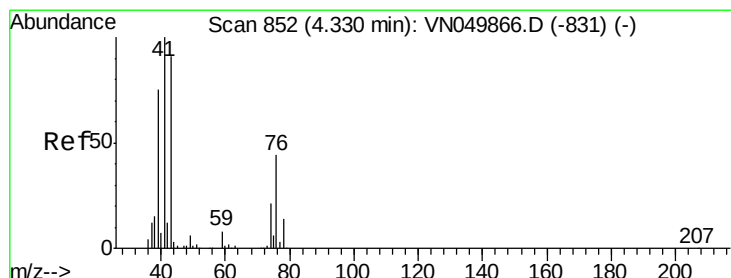
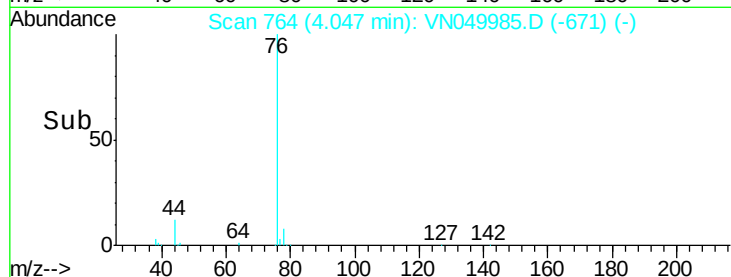
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 23.15 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049985.D

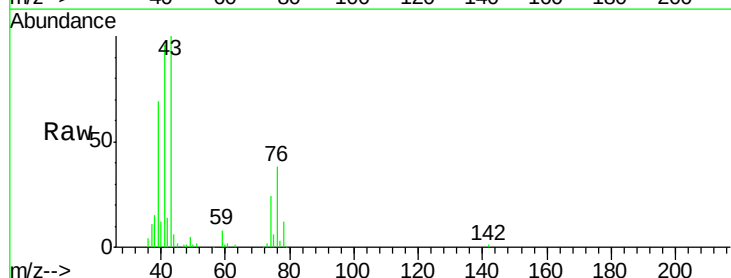
Acq: 21 Jul 2018 3:05

Tgt Ion: 43 Resp: 146093

Ion Ratio Lower Upper

43 100

74 24.4 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

60000

50000

40000

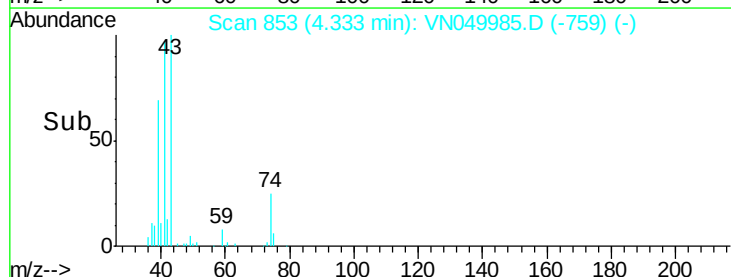
30000

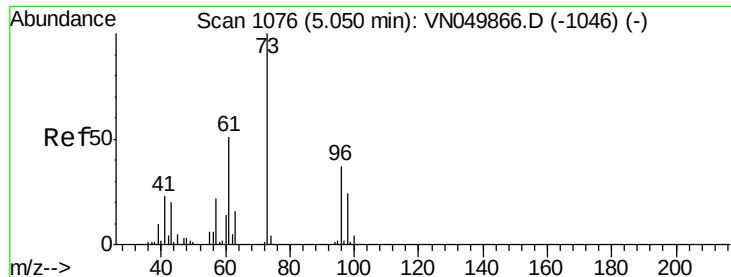
20000

10000

0

Time-->

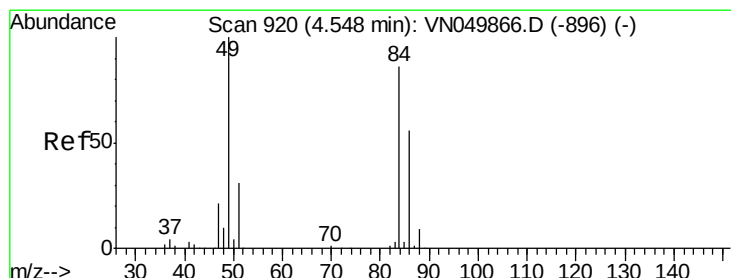
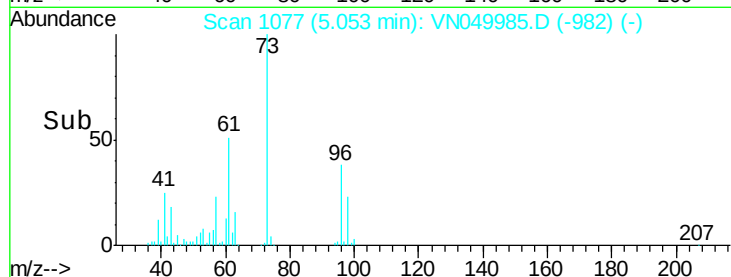
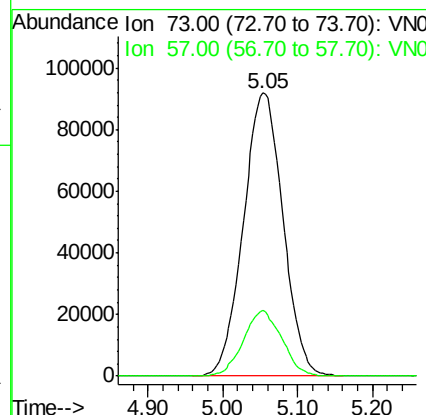
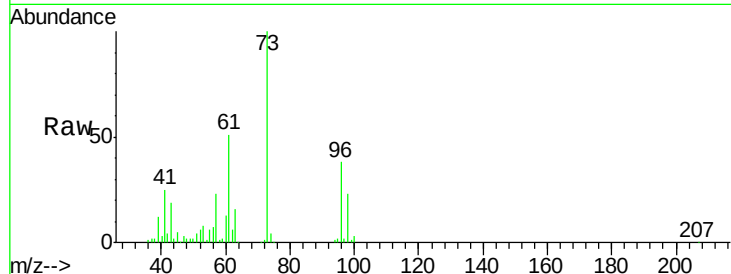




#19
Methvl tert-butvl Ether
Concen: 20.49 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

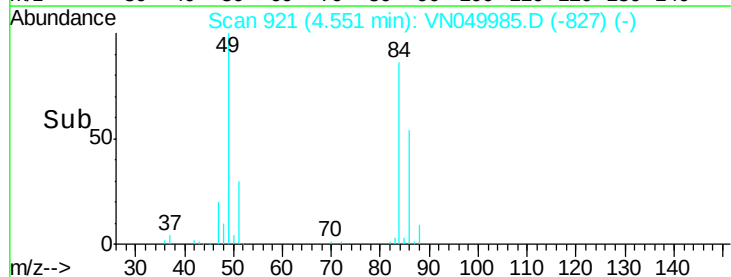
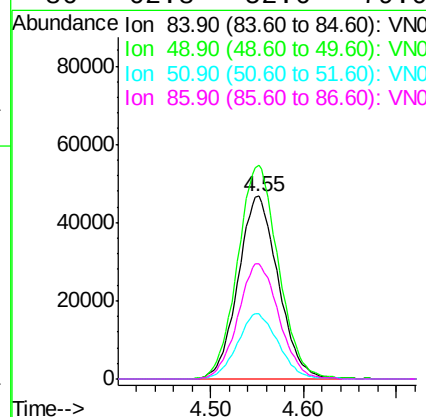
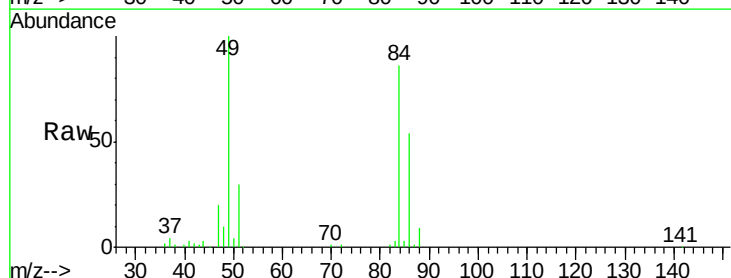
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD02

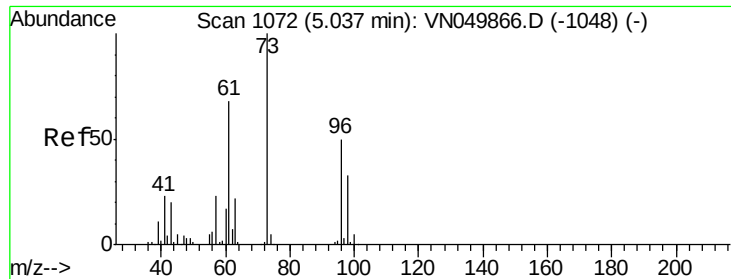
Tot Ion: 73 Resp: 338413
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 18.70 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 84 Resp: 140151
Ion Ratio Lower Upper
84 100
49 116.7 95.4 143.2
51 35.4 28.4 42.6
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.27 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

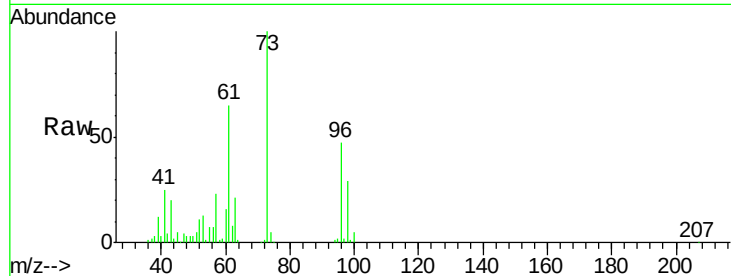
Tot Ion: 96 Resp: 122866

Ion Ratio Lower Upper

96 100

61 139.3 109.0 163.6

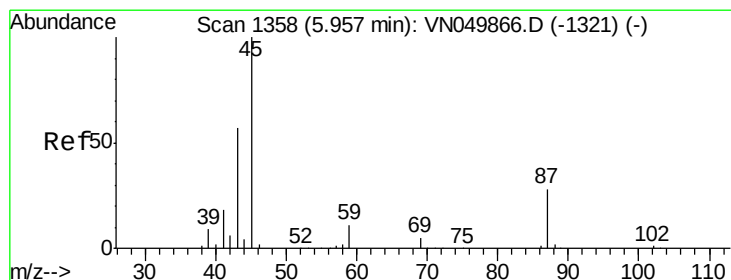
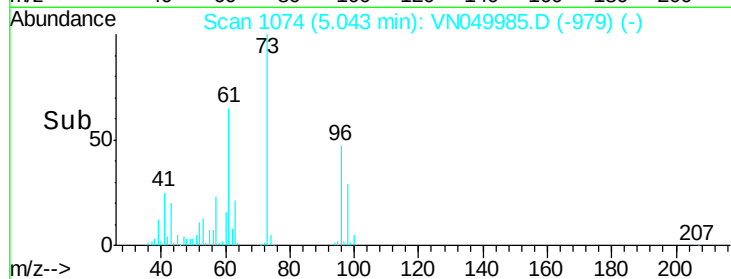
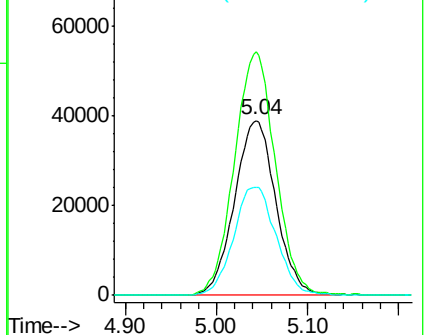
98 61.8 51.1 76.7



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: 21.53 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Tgt Ion: 45 Resp: 415826

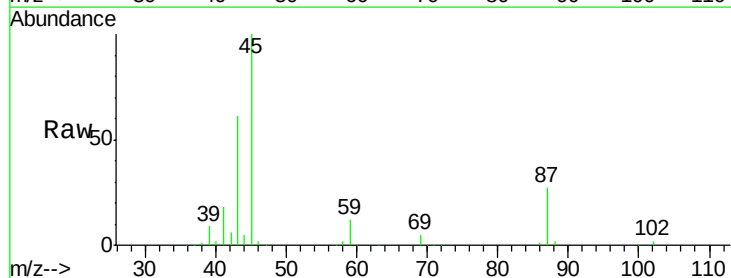
Ion Ratio Lower Upper

45 100

43 59.3 48.1 72.1

87 27.2 22.6 34.0

59 11.8 9.2 13.8

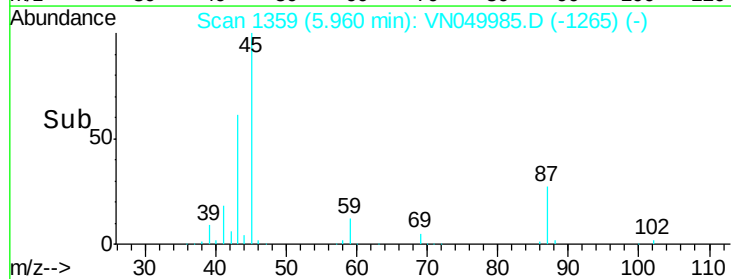
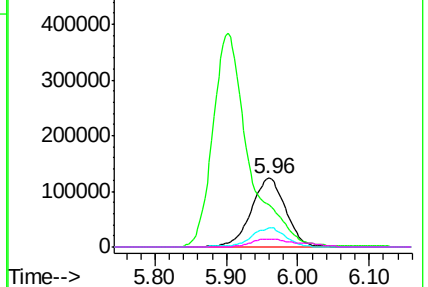


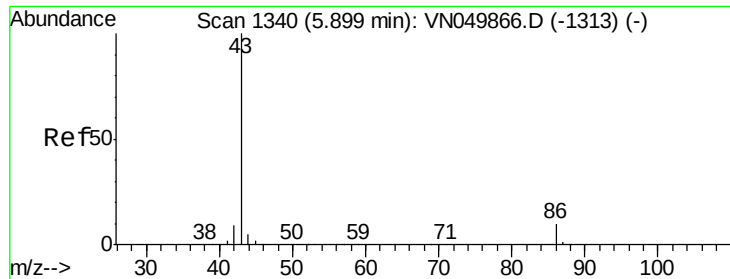
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

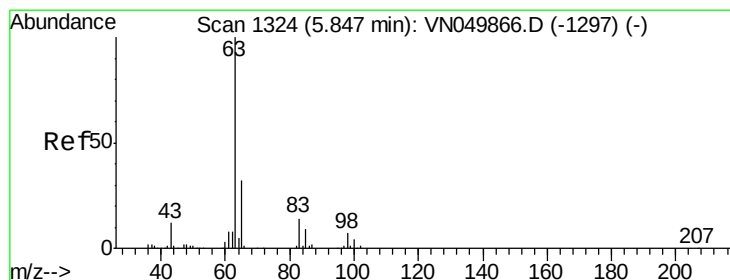
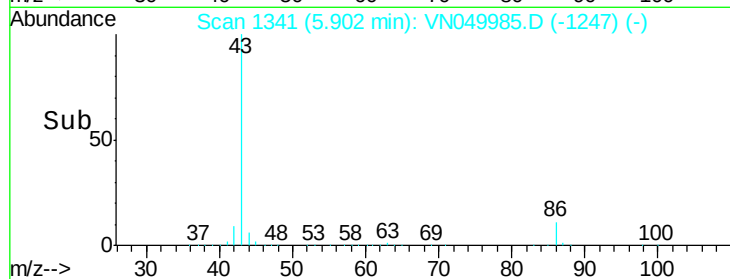
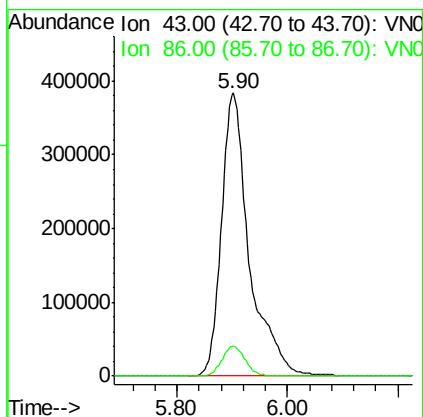
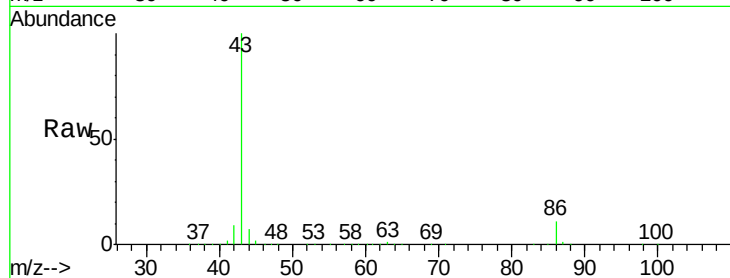




#23
 Vinyl Acetate
 Concen: 99.20 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

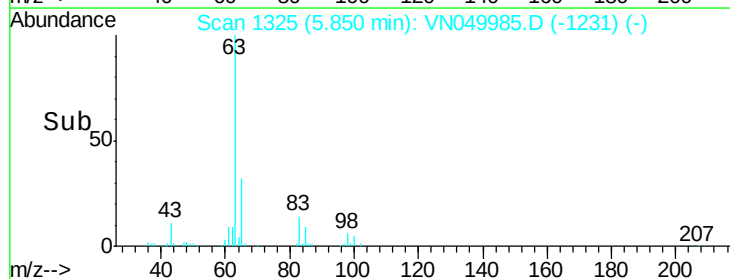
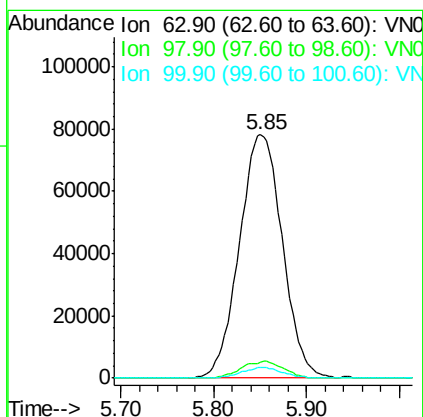
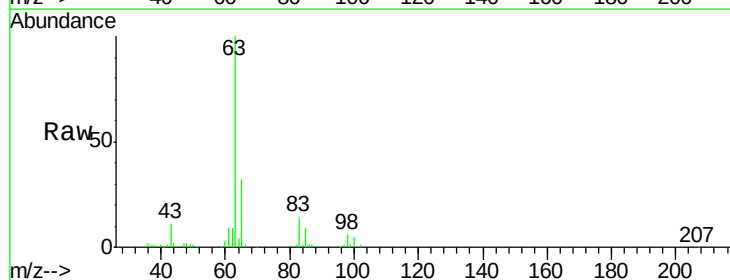
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

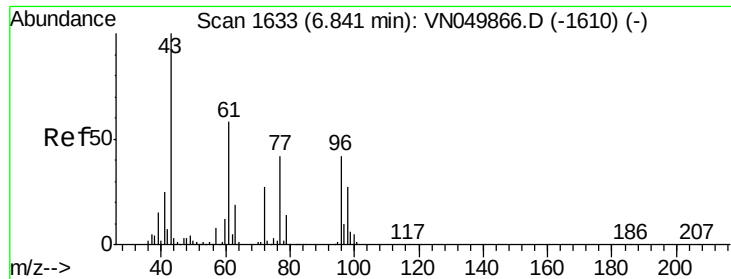
Tot Ion: 43 Resp: 1344222
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.34 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 63 Resp: 252121
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.5 2.2 6.6

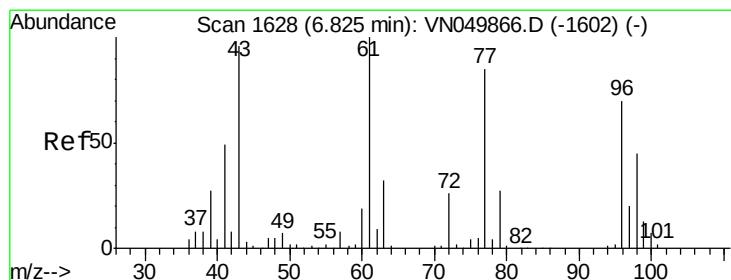
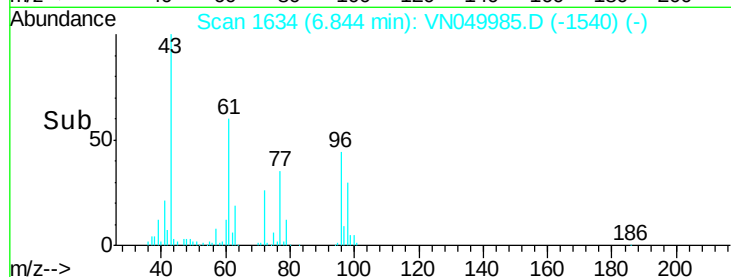
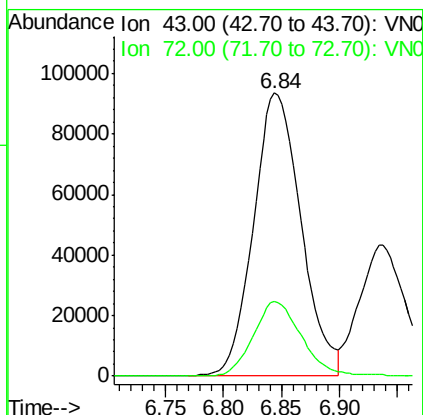
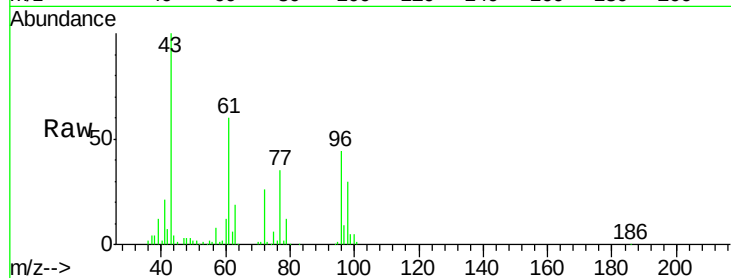




#25
2-Butanone
Concen: 94.26 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

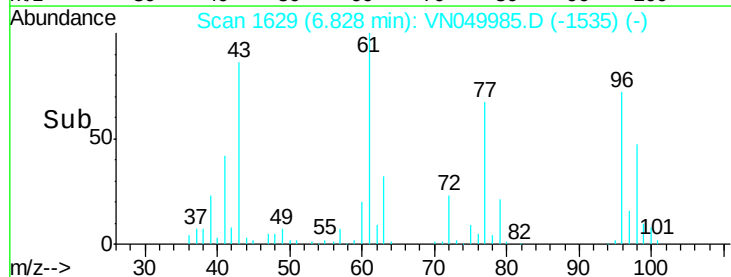
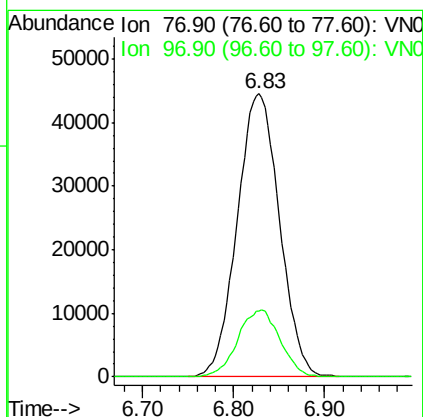
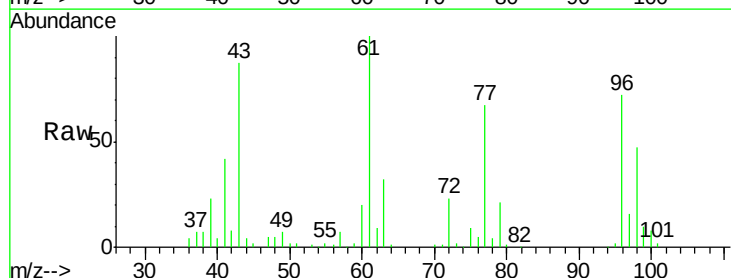
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD02

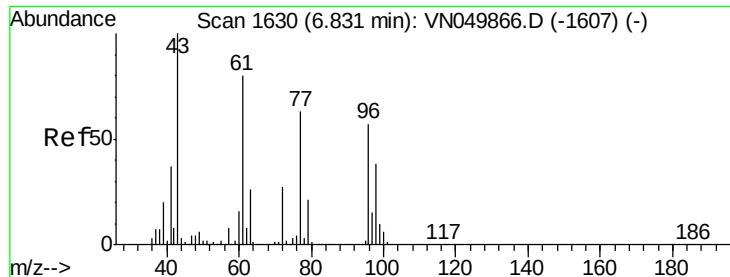
Tot Ion: 43 Resp: 265476
Ion Ratio Lower Upper
43 100
72 26.5 22.1 33.1



#26
2,2-Dichloropropane
Concen: 14.91 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 77 Resp: 143817
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.28 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

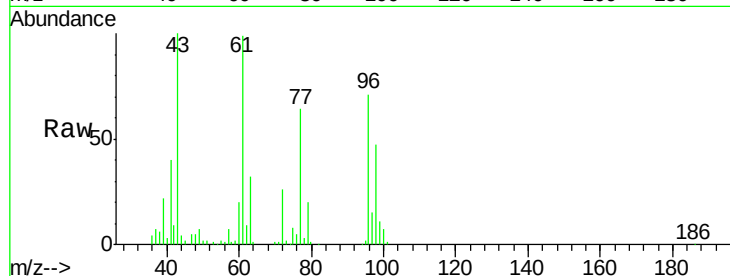
Tot Ion: 96 Resp: 141848

Ion Ratio Lower Upper

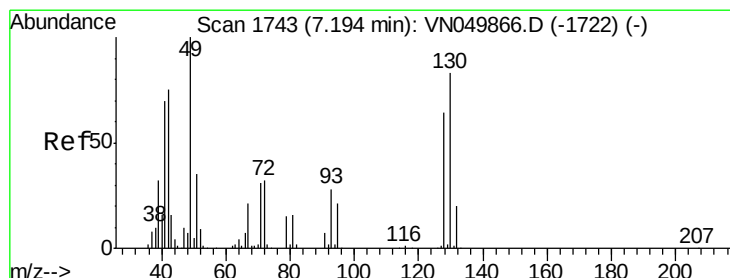
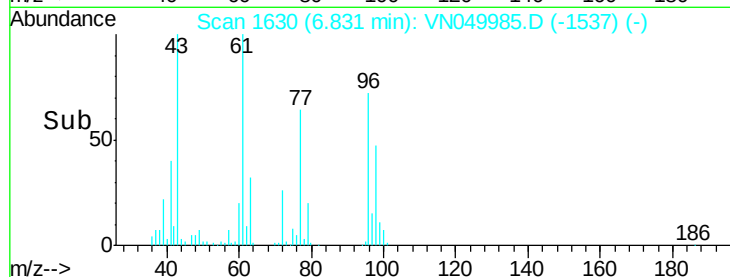
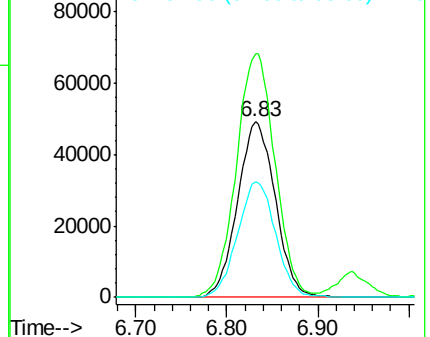
96 100

61 142.5 0.0 289.0

98 66.4 0.0 130.2



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



#28

Bromochloromethane

Concen: 21.38 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

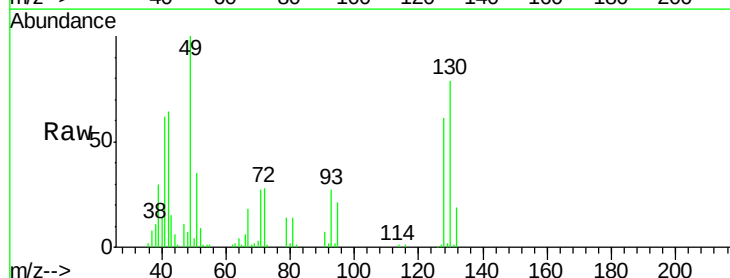
Tgt Ion: 49 Resp: 119698

Ion Ratio Lower Upper

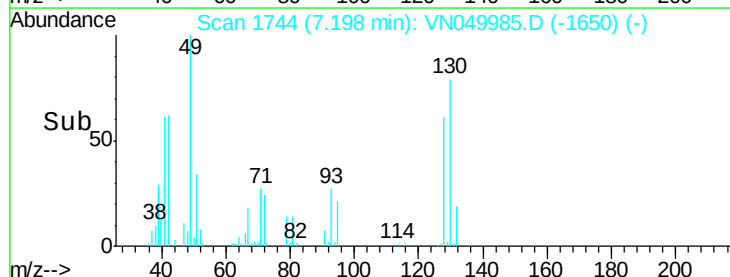
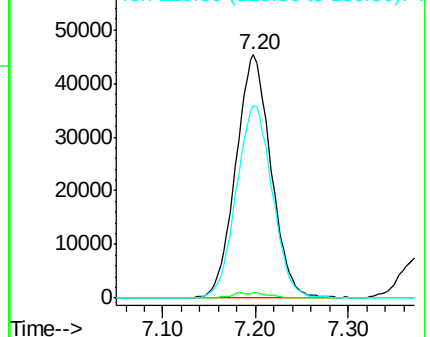
49 100

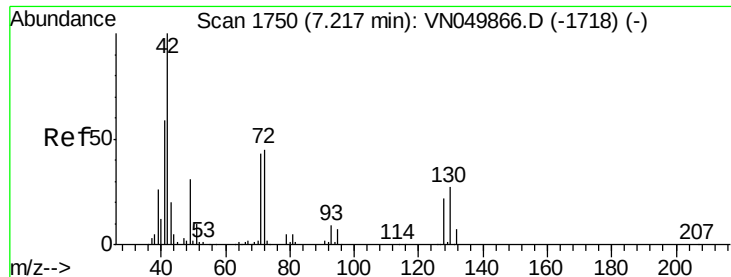
129 1.0 0.0 4.2

130 80.9 65.5 98.3



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





#29

Tetrahydrofuran

Concen: 98.58 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

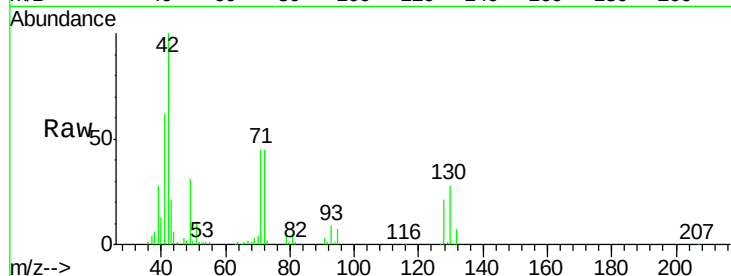
Tot Ion: 42 Resp: 174900

Ion Ratio Lower Upper

42 100

72 43.5 35.6 53.4

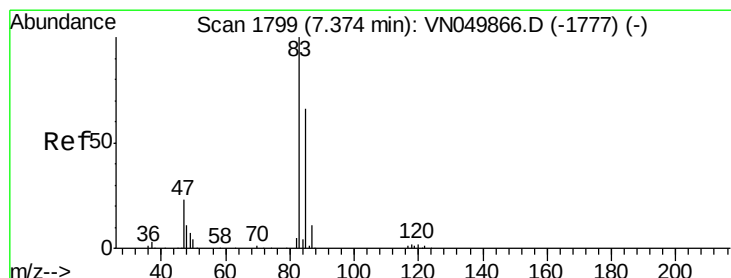
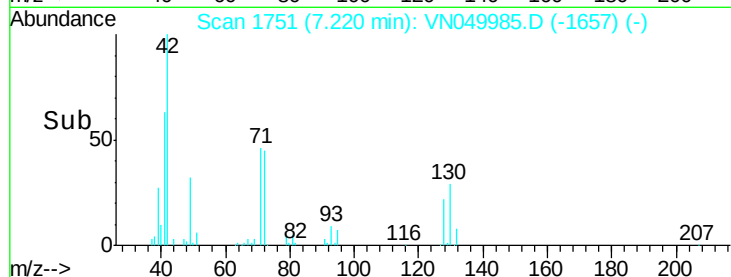
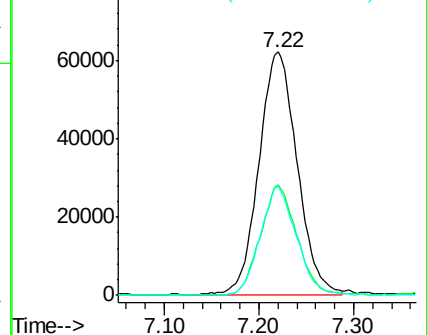
71 42.0 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.36 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049985.D

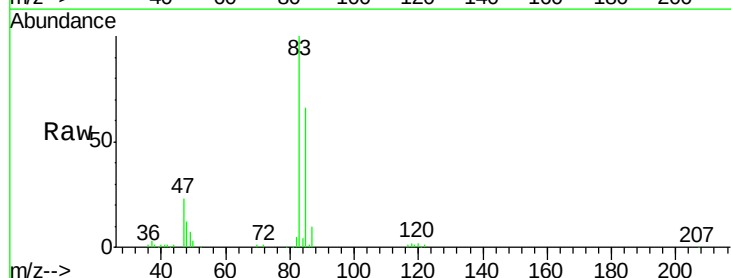
Acq: 21 Jul 2018 3:05

Tgt Ion: 83 Resp: 259117

Ion Ratio Lower Upper

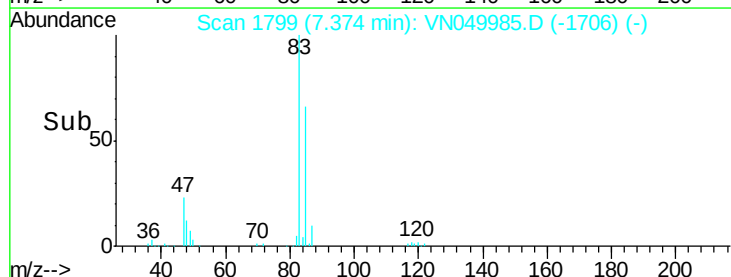
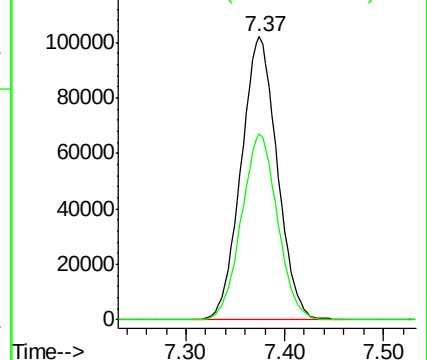
83 100

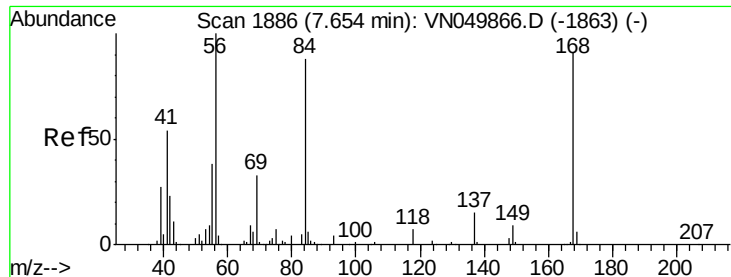
85 65.9 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

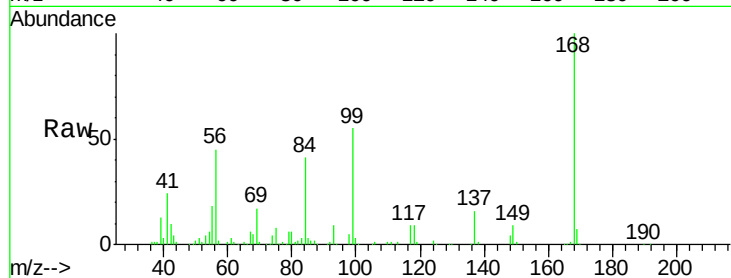




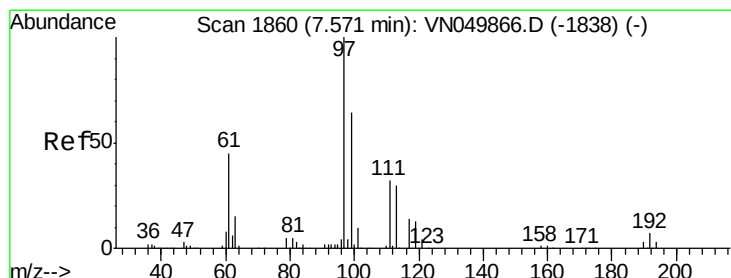
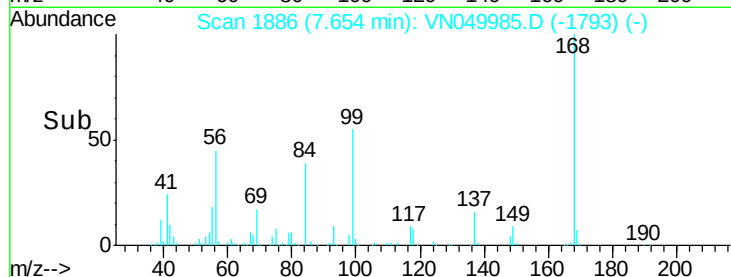
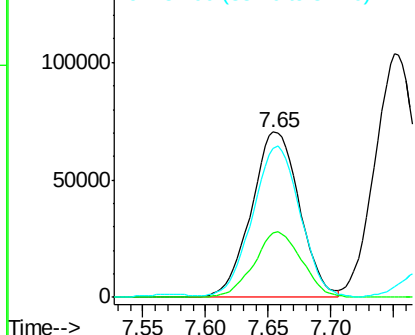
#31
Cyclohexane
Concen: 18.67 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion: 56 Resp: 188430
Ion Ratio Lower Upper
56 100
69 38.7 26.6 40.0
84 88.9 69.0 103.6

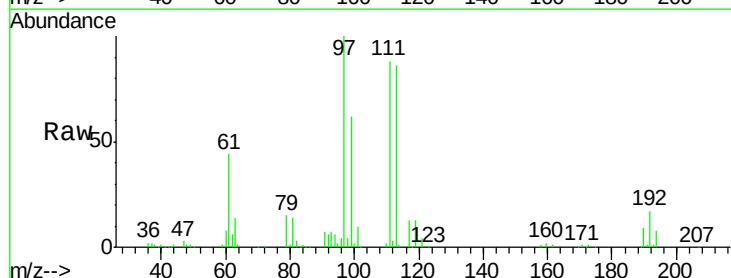


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

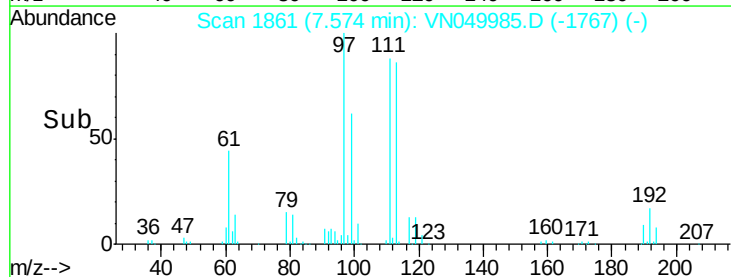
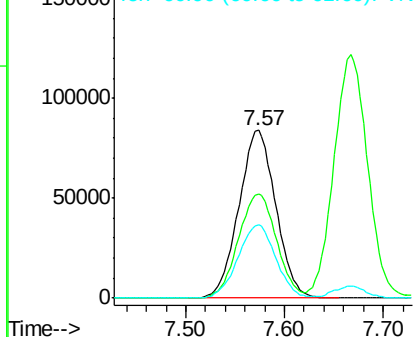


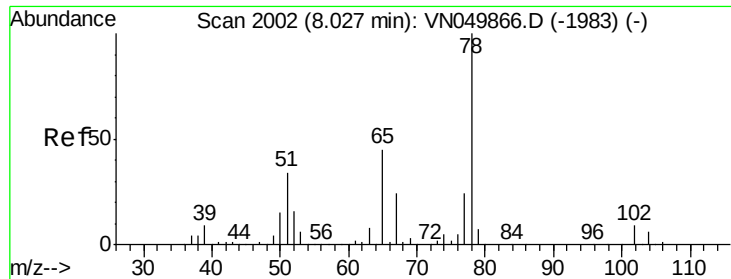
#32
1,1,1-Trichloroethane
Concen: 19.79 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 97 Resp: 217748
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 44.8 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: 52.46 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

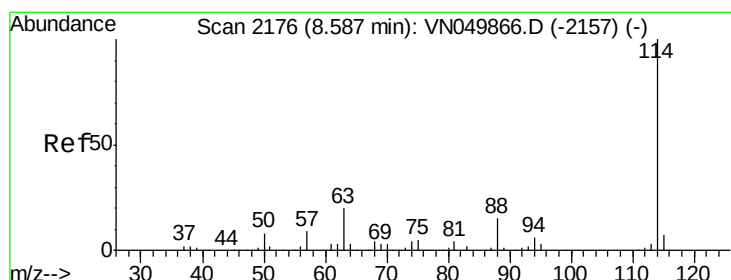
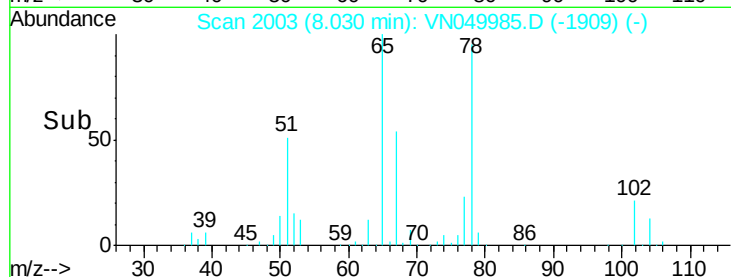
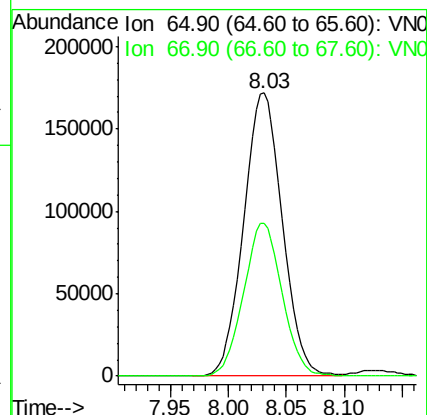
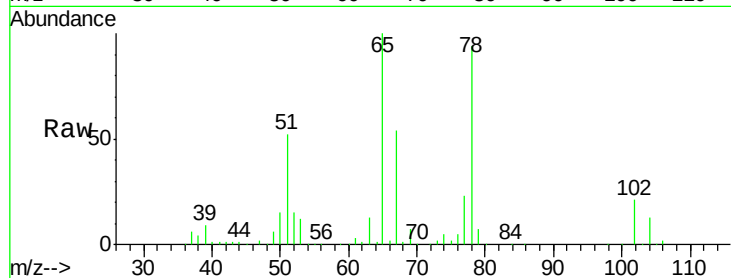
VN0720WBSD02

Tot Ion: 65 Resp: 399296

Ion Ratio Lower Upper

65 100

67 53.9 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: VN049985.D

Acq: 21 Jul 2018 3:05

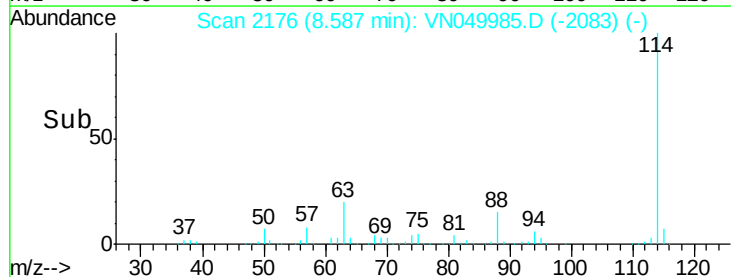
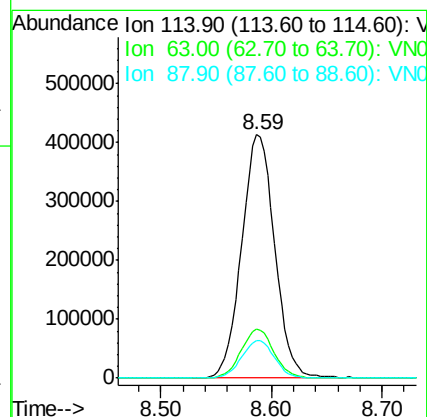
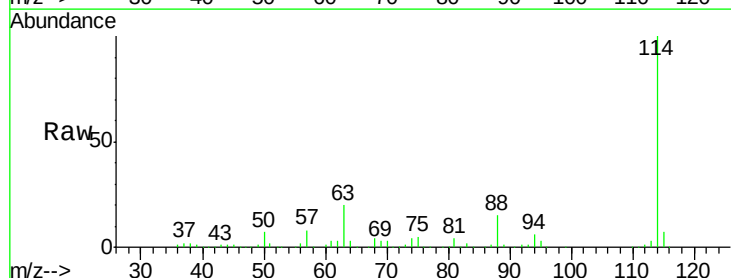
Tgt Ion: 114 Resp: 859092

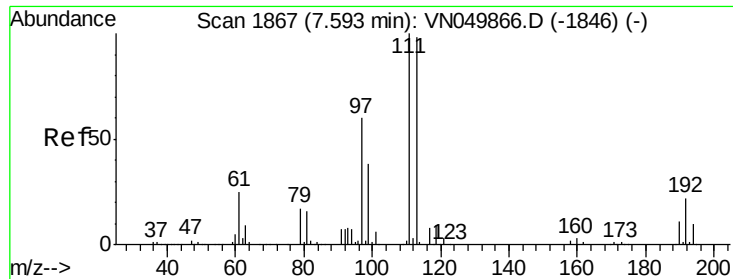
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.4 0.0 30.6

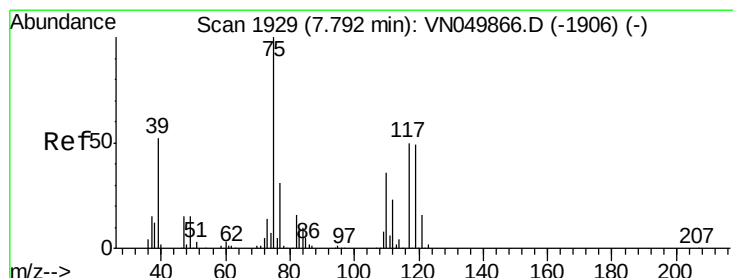
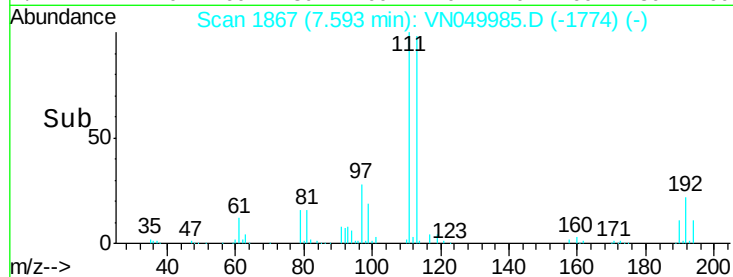
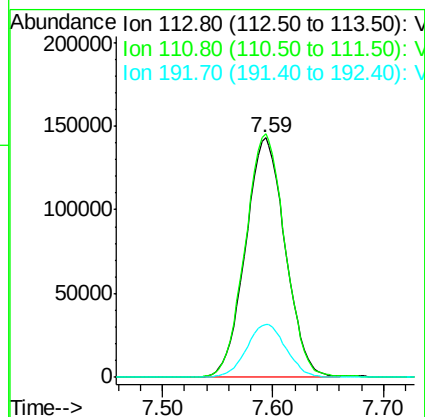
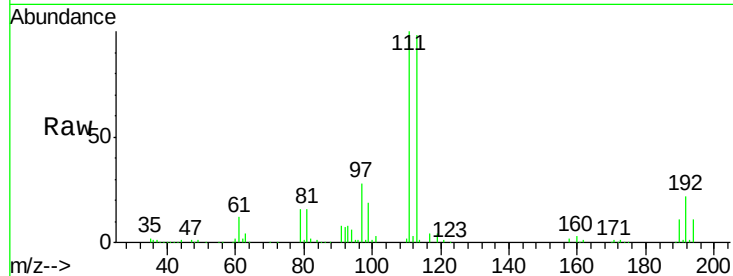




#35
 Dibromofluoromethane
 Concen: 49.46 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

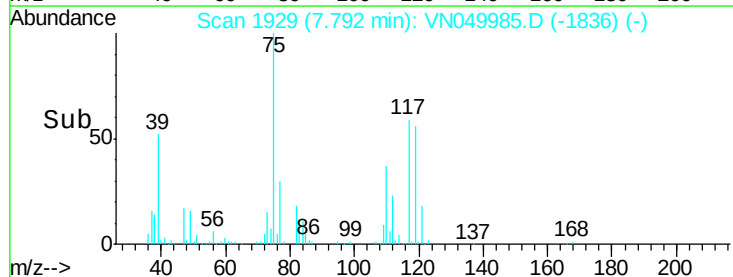
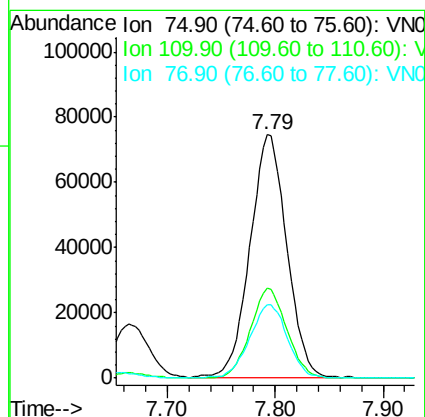
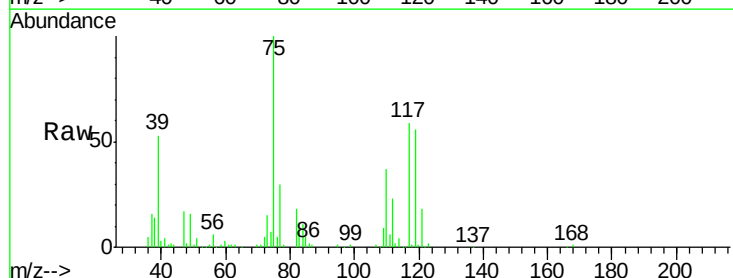
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

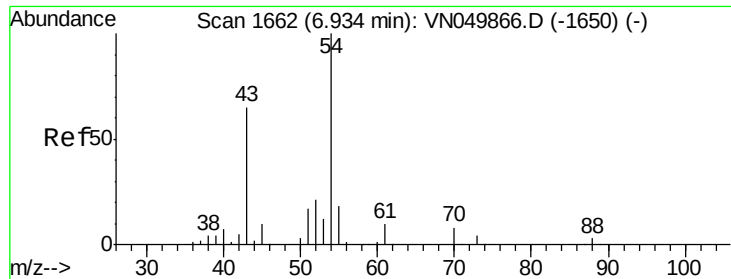
Tot Ion:113 Resp: 356696
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.8
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 18.41 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 75 Resp: 175808
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 31.3 24.9 37.3

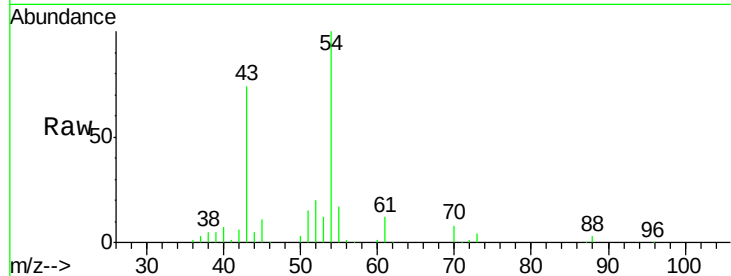




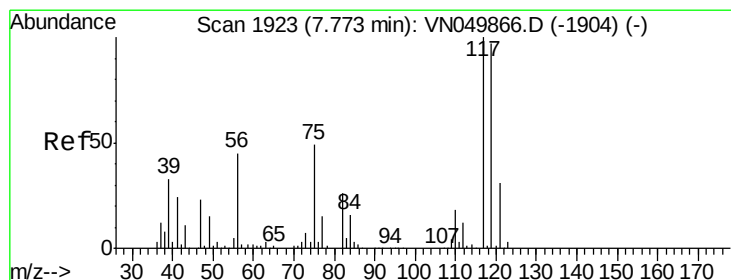
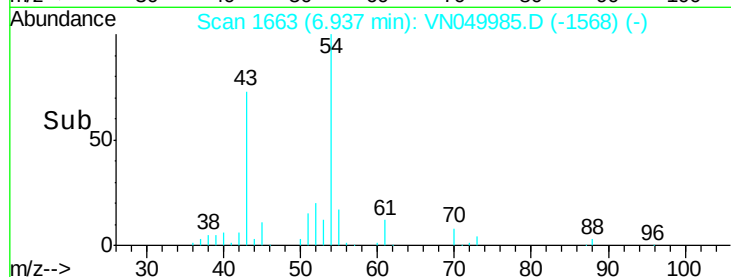
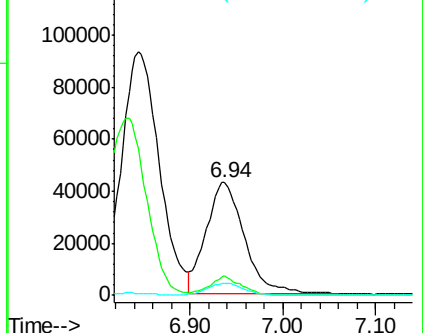
#37
Ethyl Acetate
Concen: 18.72 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion: 43 Resp: 122799
Ion Ratio Lower Upper
43 100
61 13.7 11.7 17.5
70 10.4 8.4 12.6

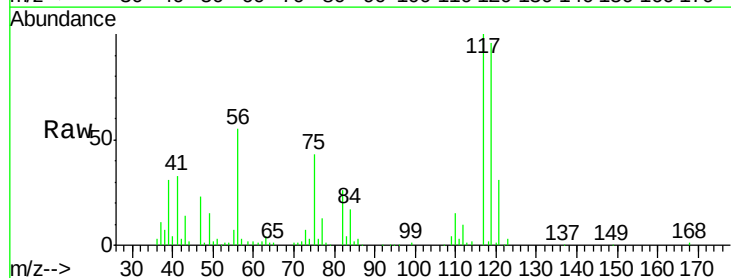


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

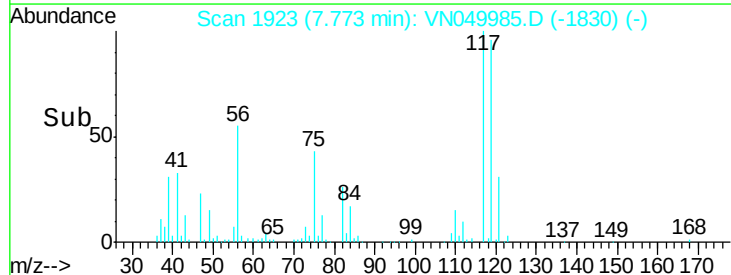
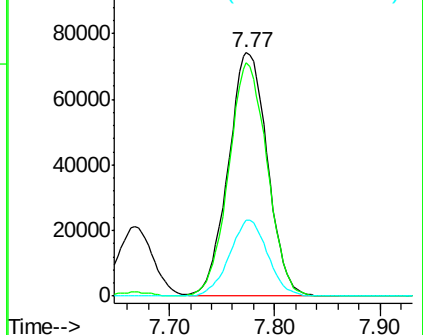


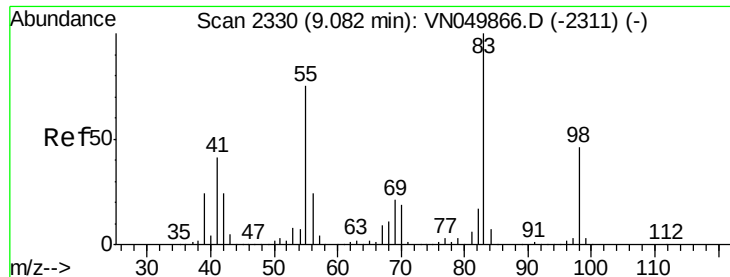
#38
Carbon Tetrachloride
Concen: 18.69 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 117 Resp: 191220
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8
121 31.1 25.0 37.6



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

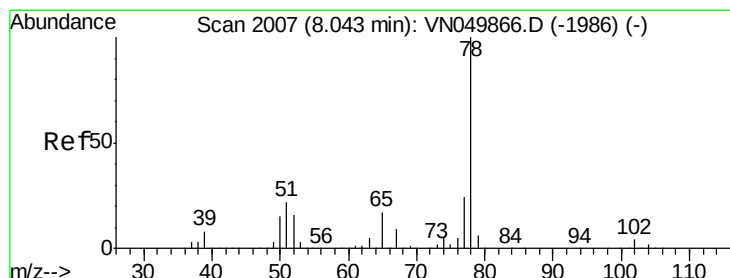
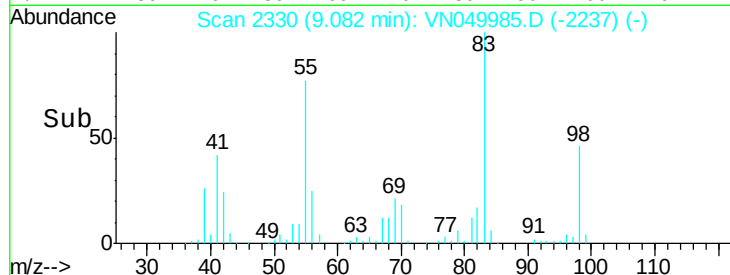
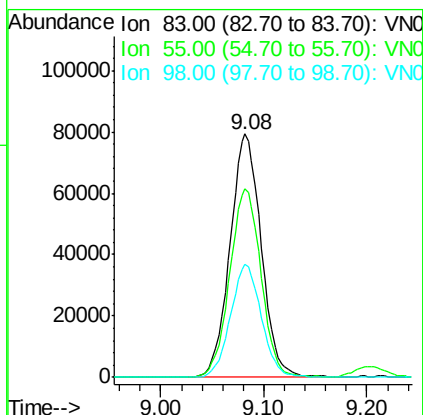
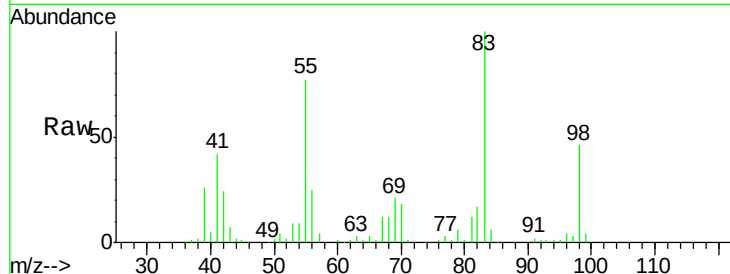




#39
Methylvlcyclohexane
Concen: 16.94 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

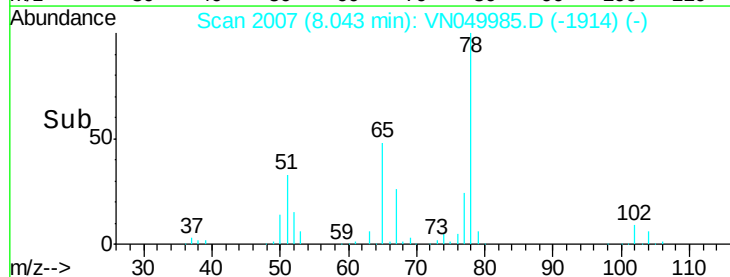
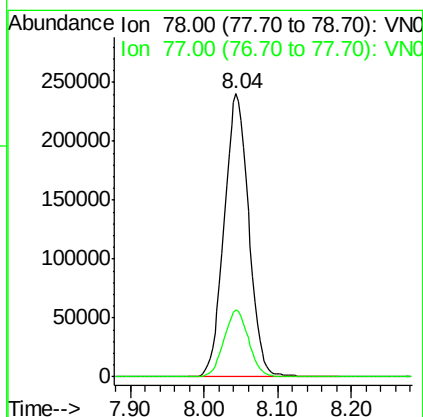
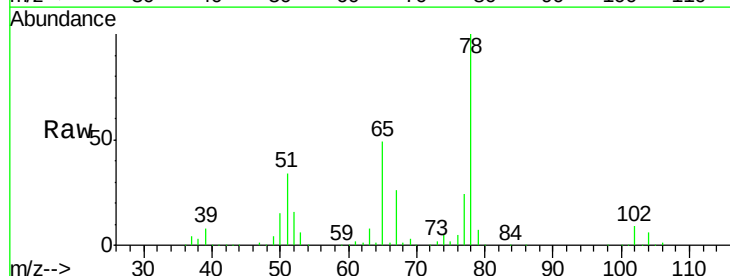
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD02

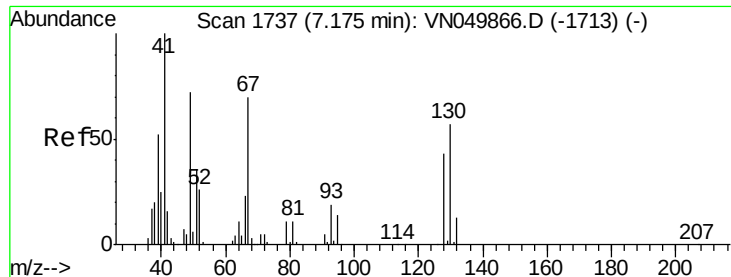
Tot Ion: 83 Resp: 167140
Ion Ratio Lower Upper
83 100
55 77.4 59.7 89.5
98 46.4 36.5 54.7



#40
Benzene
Concen: 19.13 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 78 Resp: 556838
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

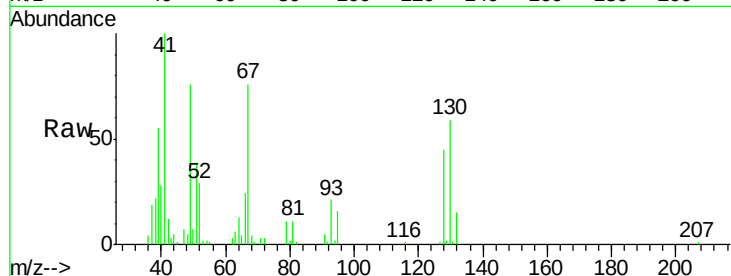




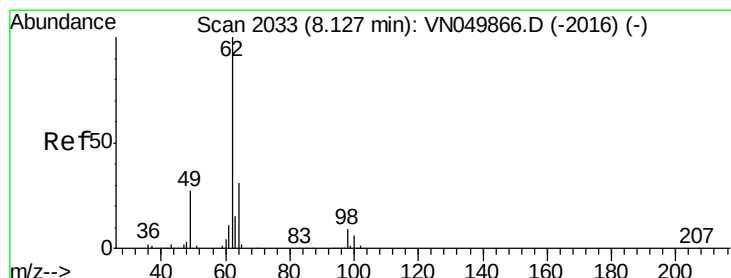
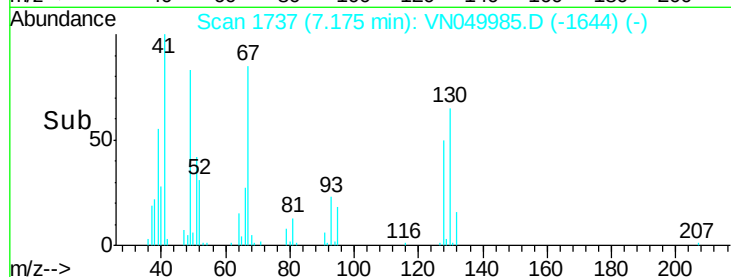
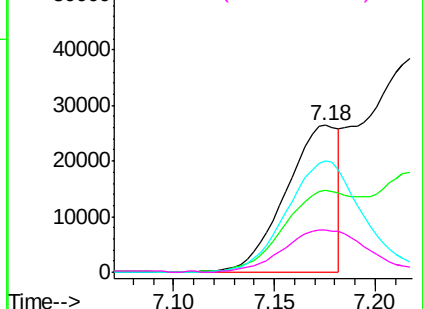
#41
Methacrylonitrile
Concen: 14.53 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion: 41 Resp: 47766
Ion Ratio Lower Upper
41 100
39 79.4 45.4 68.2#
67 110.6 65.4 98.0#
52 48.0 24.7 37.1#

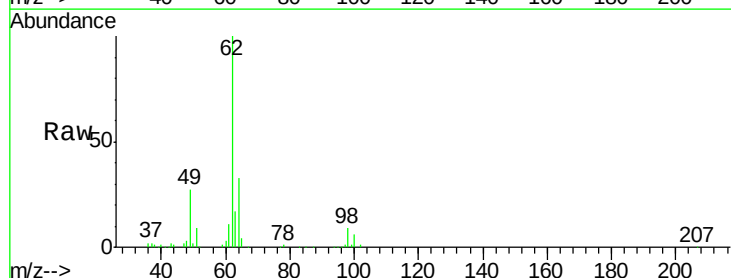


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

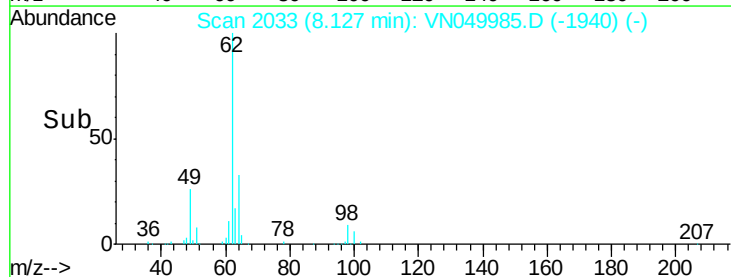
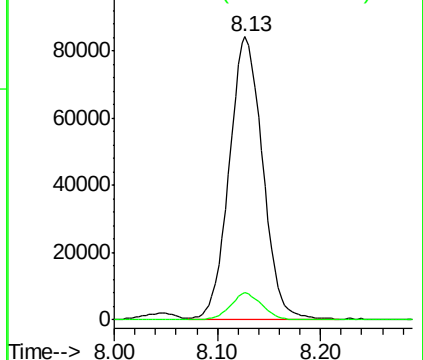


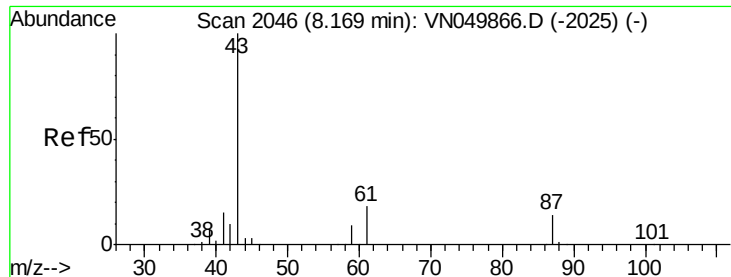
#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 62 Resp: 189159
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.87 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

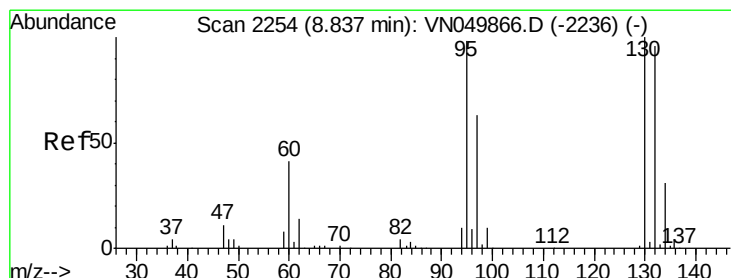
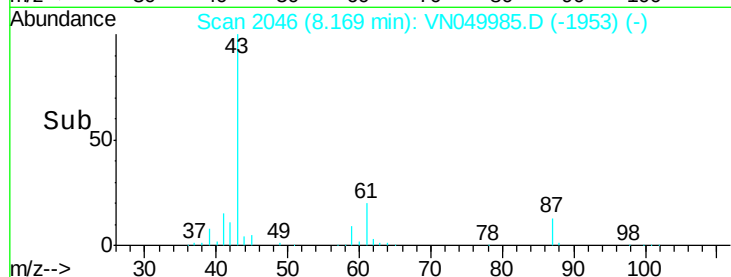
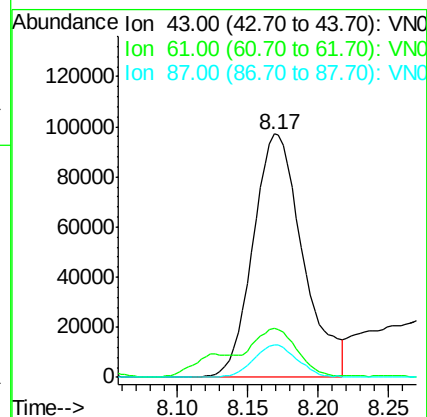
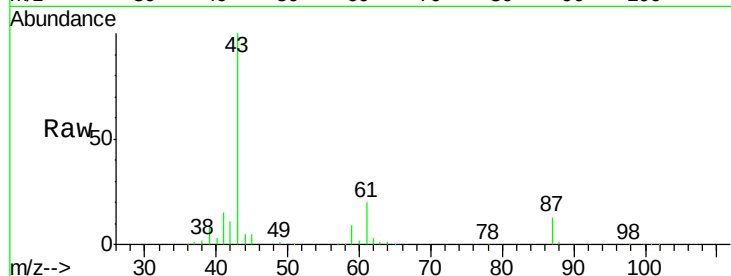
Tot Ion: 43 Resp: 239129

Ion Ratio Lower Upper

43 100

61 18.0 14.9 22.3

87 11.7 10.0 15.0



#44

Trichloroethene

Concen: 18.75 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049985.D

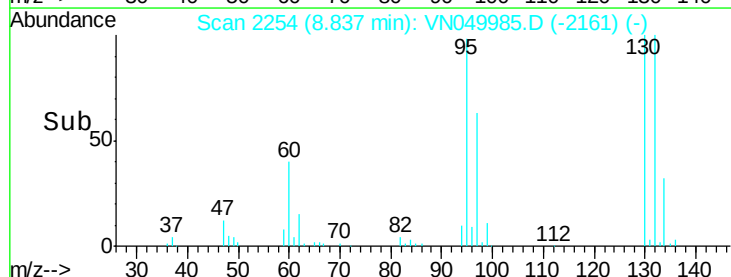
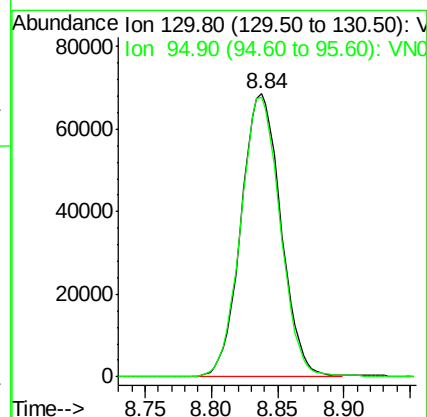
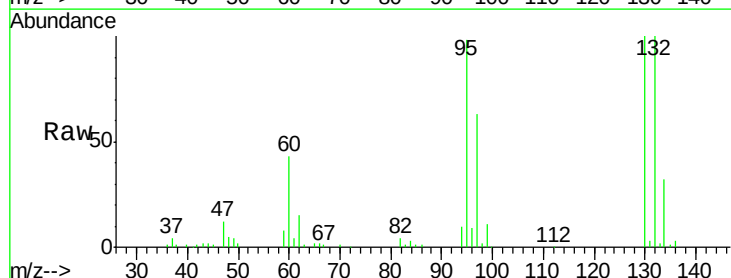
Acq: 21 Jul 2018 3:05

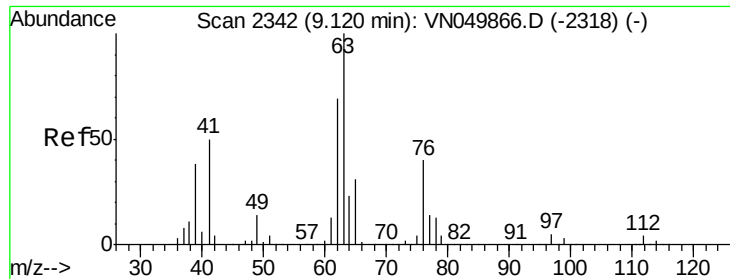
Tgt Ion:130 Resp: 143138

Ion Ratio Lower Upper

130 100

95 98.6 0.0 192.8

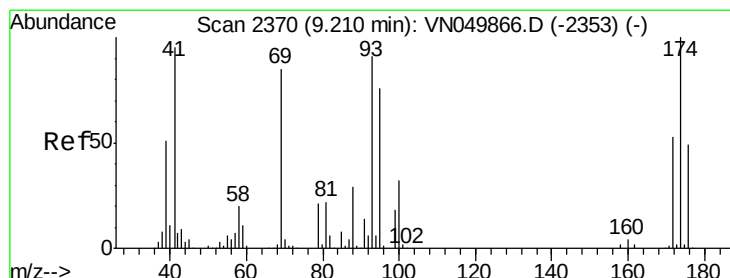
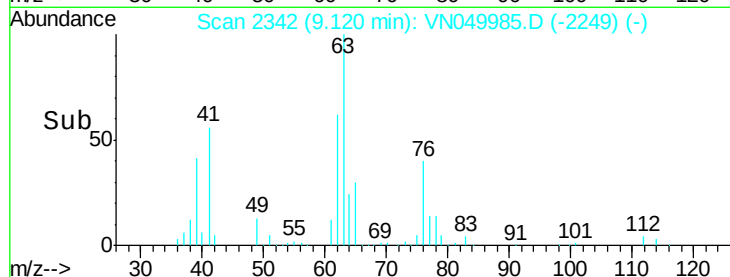
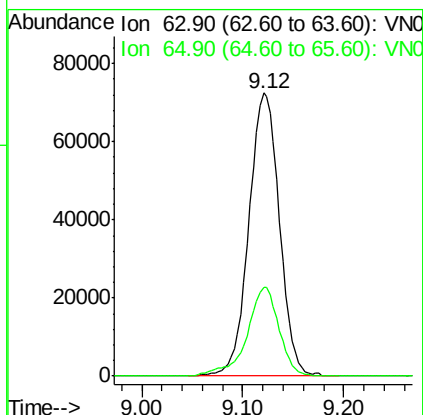
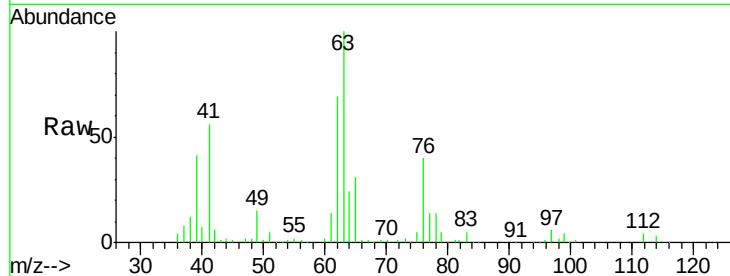




#45
 1,2-Dichloropropane
 Concen: 19.31 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

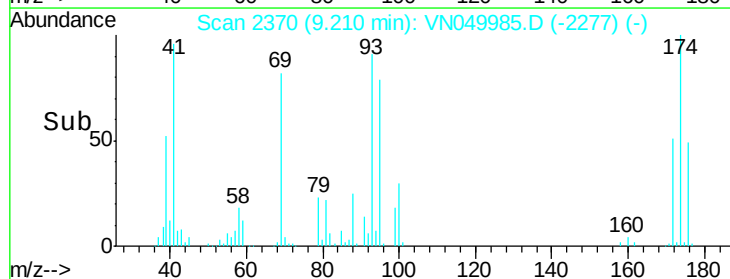
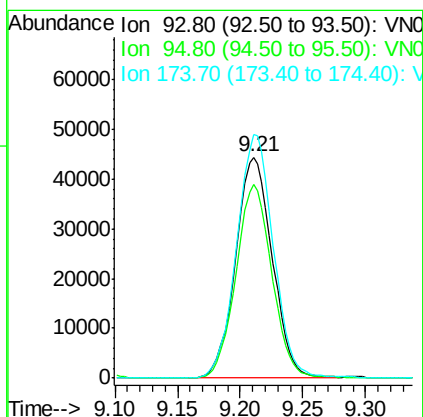
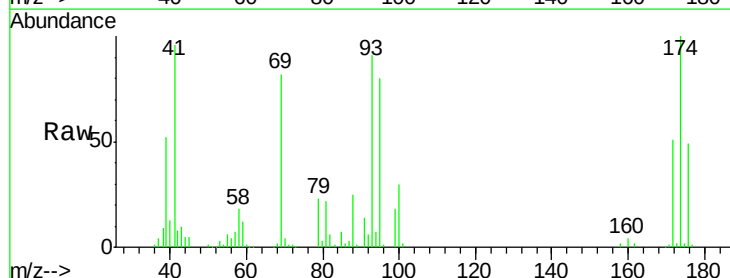
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

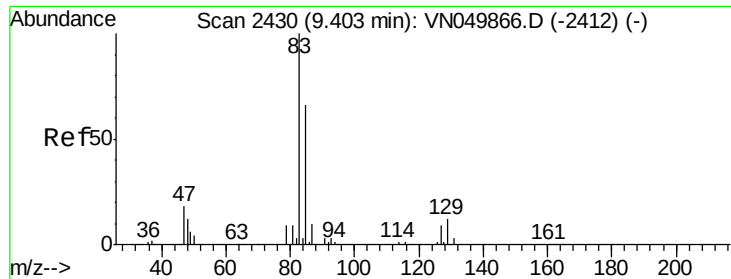
Tot Ion: 63 Resp: 151685
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1



#46
 Dibromomethane
 Concen: 18.54 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 93 Resp: 90293
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.9 101.9
 174 110.2 89.4 134.0

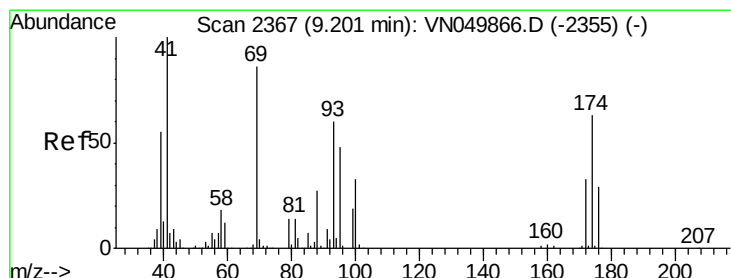
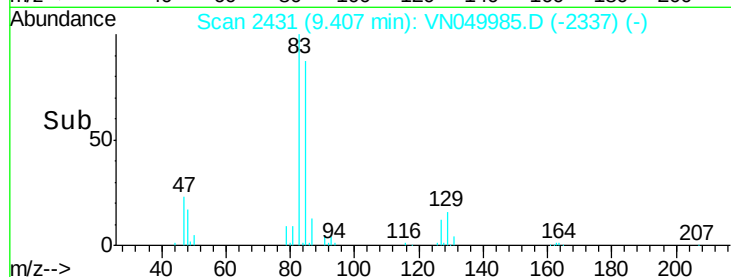
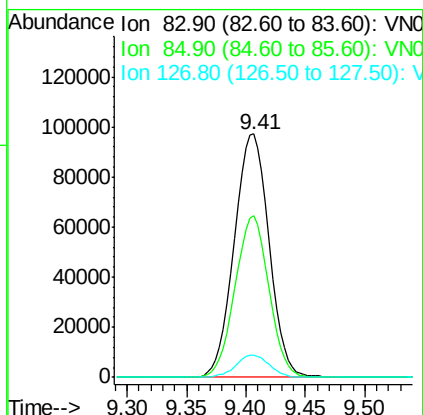
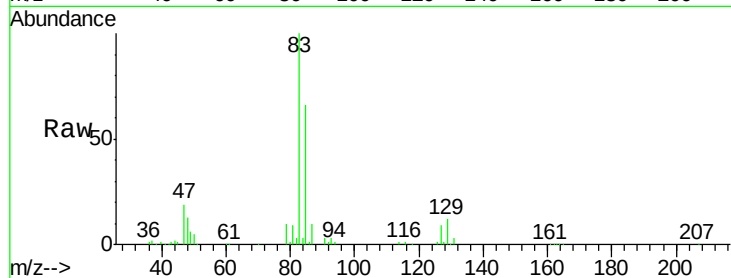




#47
Bromodichloromethane
Concen: 19.61 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

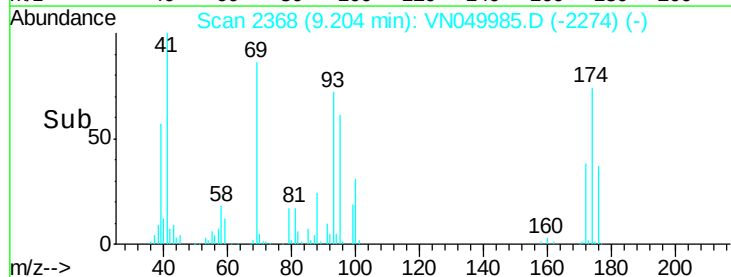
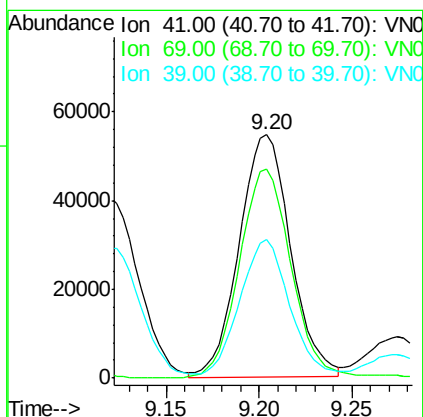
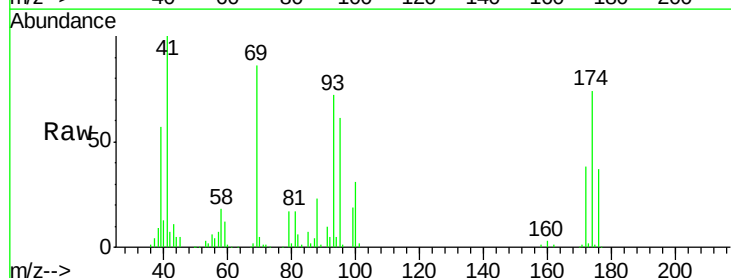
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

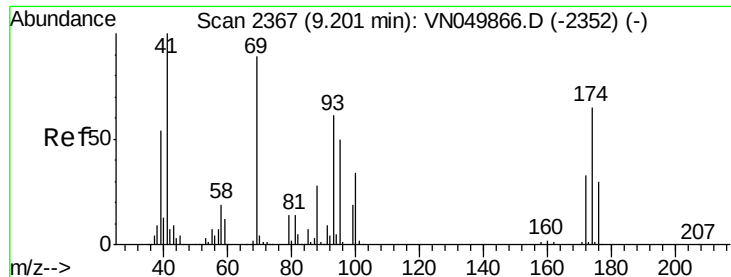
Tot Ion: 83 Resp: 197520
Ion Ratio Lower Upper
83 100
85 66.2 50.5 75.7
127 9.2 6.8 10.2



#48
Methyl methacrylate
Concen: 18.37 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 41 Resp: 105601
Ion Ratio Lower Upper
41 100
69 86.9 71.5 107.3
39 55.7 44.7 67.1





#49

1,4-Dioxane

Concen: 334.24 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

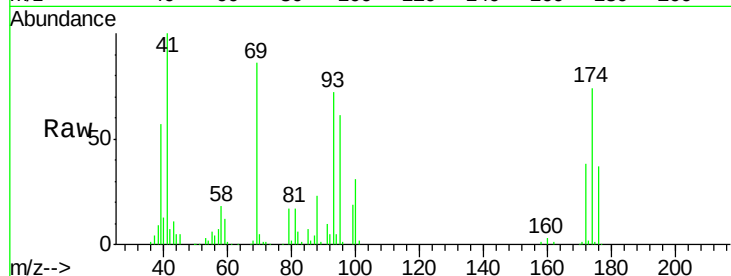
Tot Ion: 88 Resp: 27256

Ion Ratio Lower Upper

88 100

43 37.9 25.1 37.7#

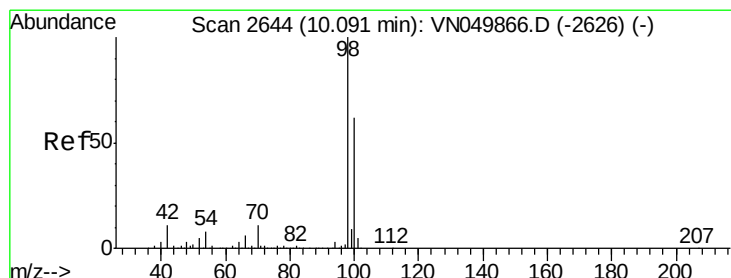
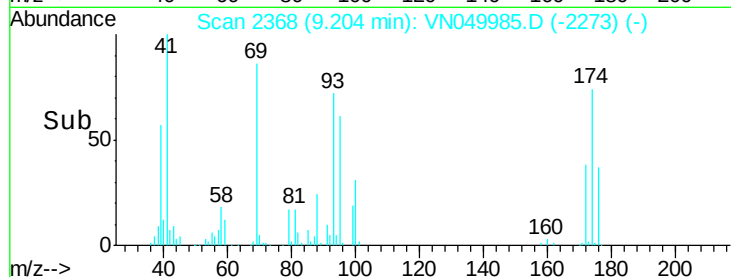
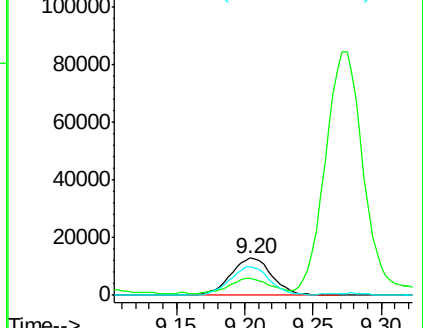
58 73.9 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.38 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049985.D

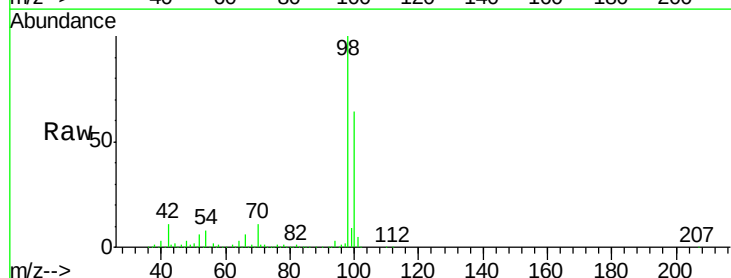
Acq: 21 Jul 2018 3:05

Tgt Ion: 98 Resp: 1297497

Ion Ratio Lower Upper

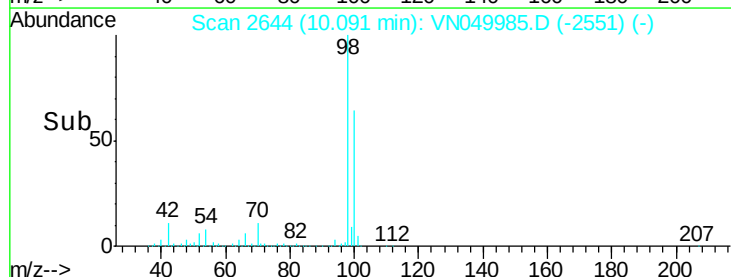
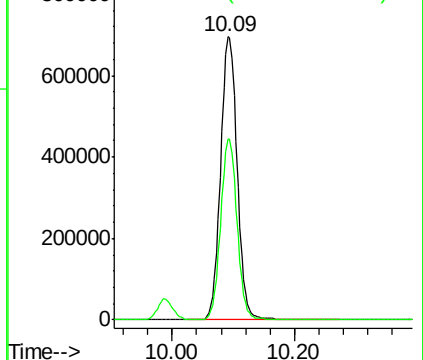
98 100

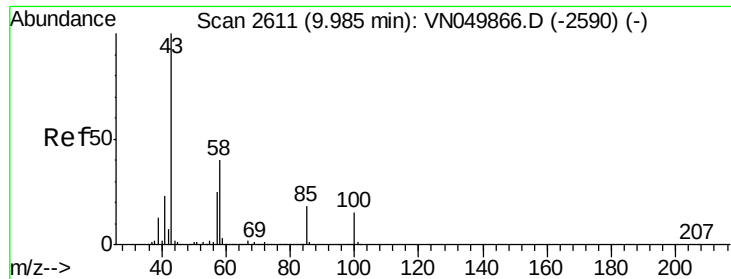
100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

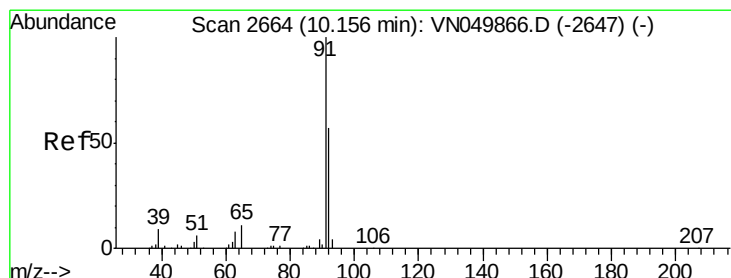
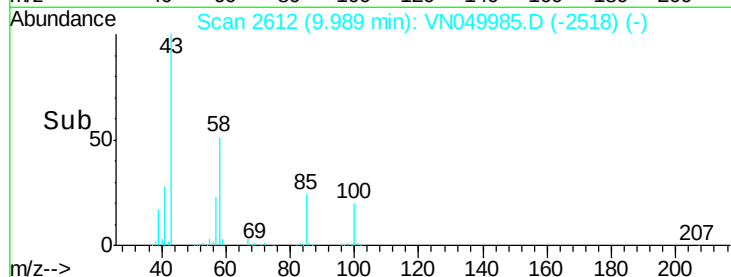
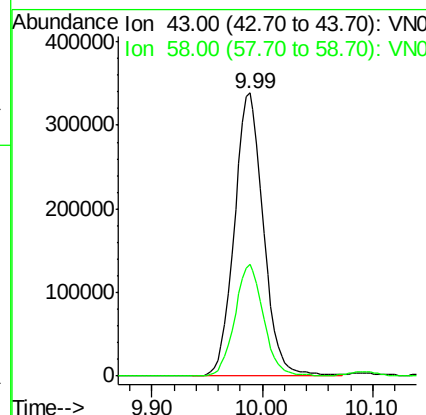
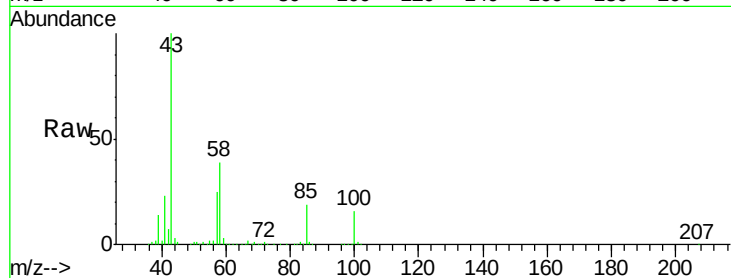




#51
 4-Methyl-2-Pentanone
 Concen: 95.95 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

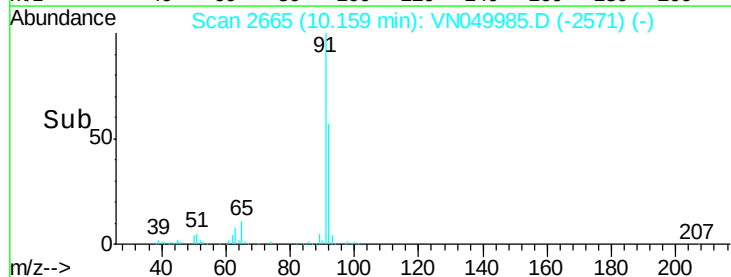
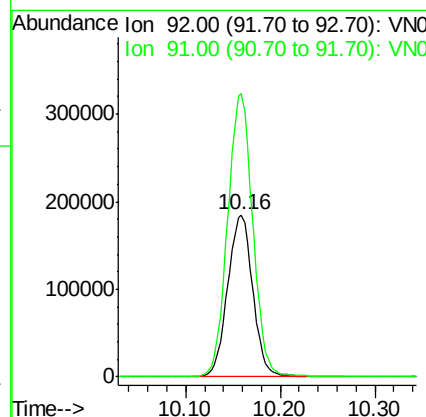
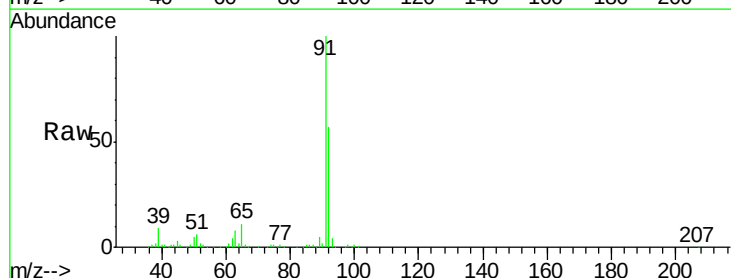
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

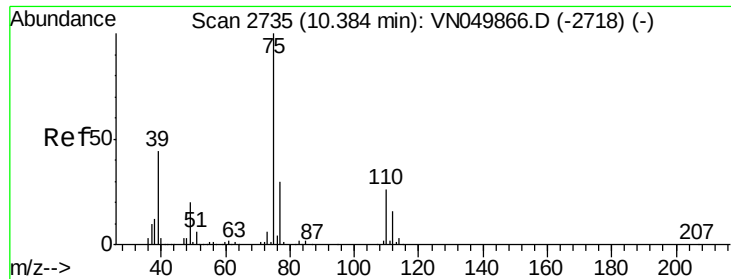
Tot Ion: 43 Resp: 614662
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.8



#52
 Toluene
 Concen: 19.71 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 92 Resp: 342327
 Ion Ratio Lower Upper
 92 100
 91 175.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.01 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampled :

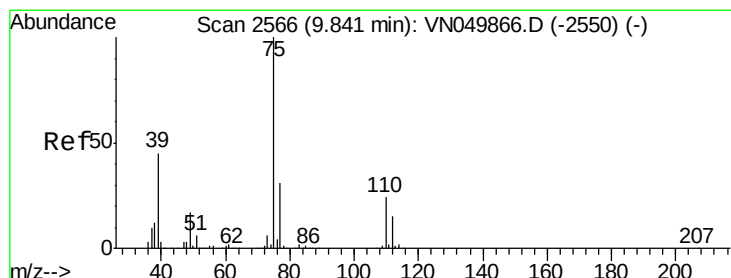
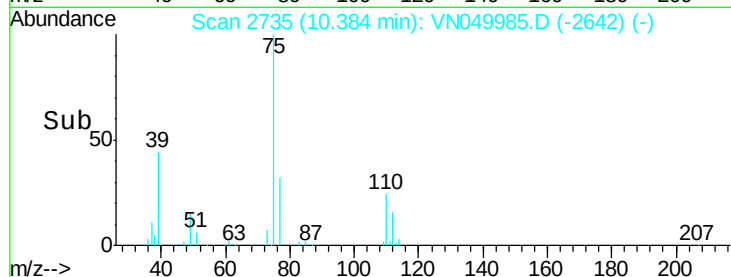
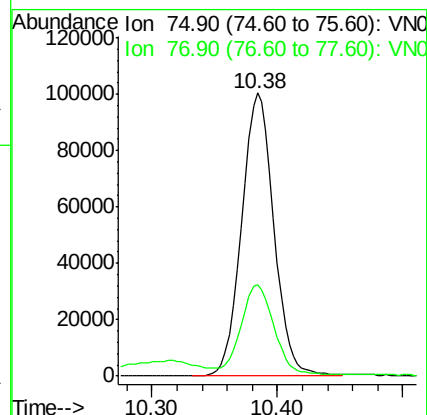
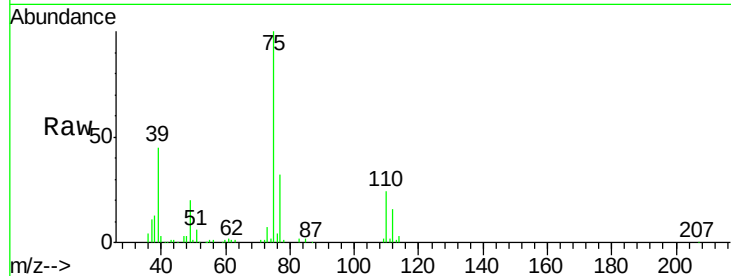
VN0720WBSD02

Tot Ion: 75 Resp: 179376

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.68 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

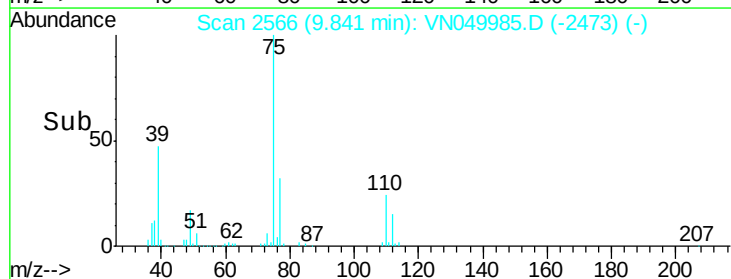
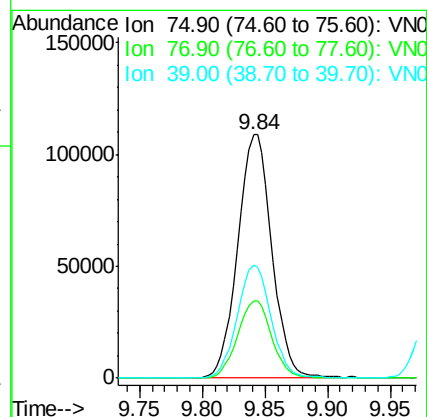
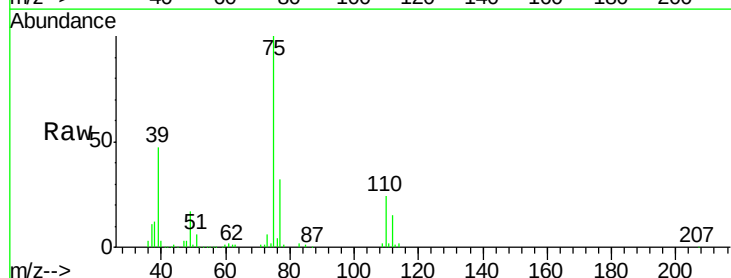
Tgt Ion: 75 Resp: 205633

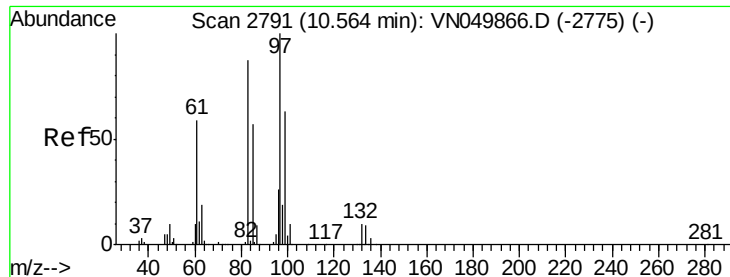
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 46.4 35.5 53.3

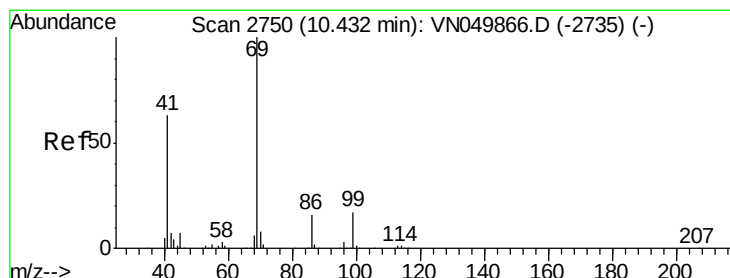
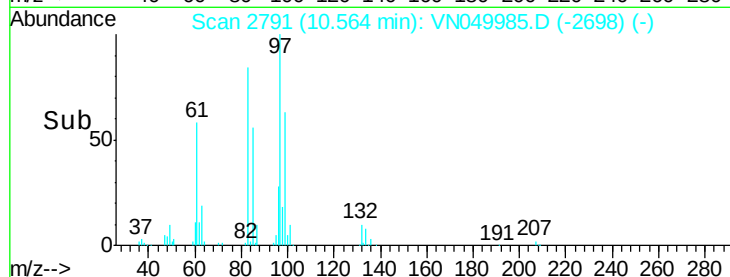
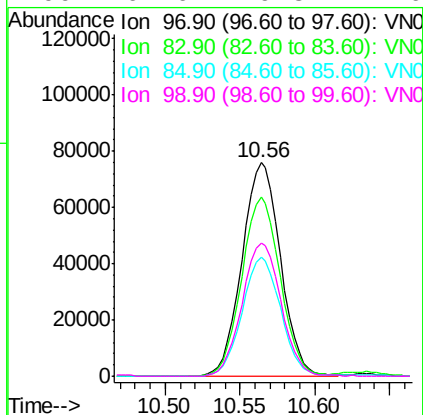
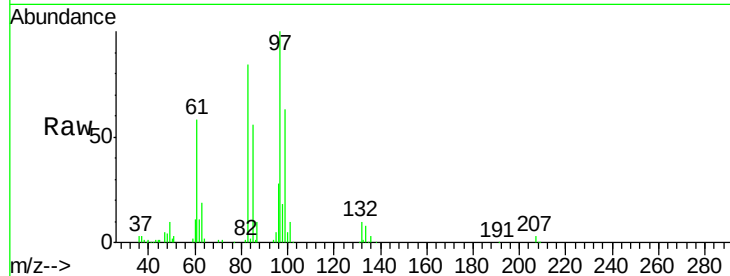




#55
 1,1,2-Trichloroethane
 Concen: 18.95 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

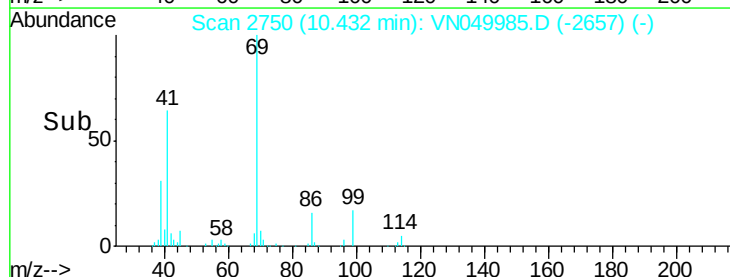
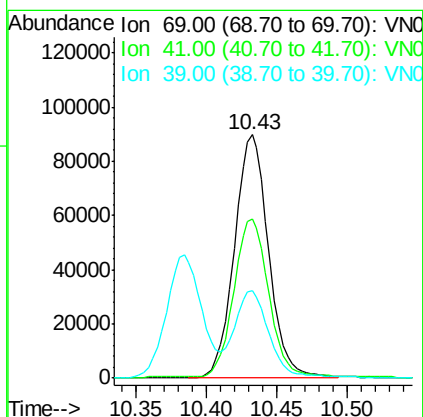
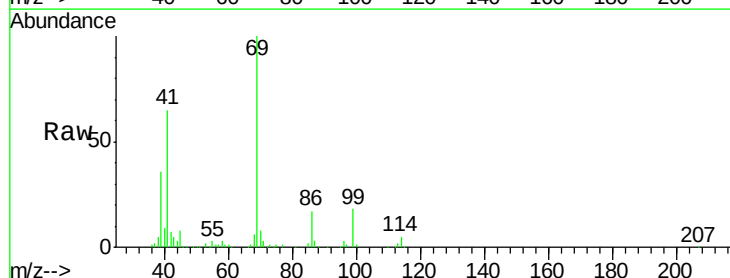
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

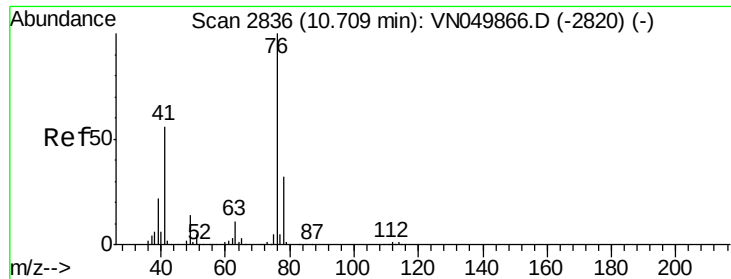
Tot Ion:	97	Resp:	135955
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.0	103.6
85	55.8	44.9	67.3
99	62.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 17.30 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion:	69	Resp:	152497
Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.6	77.4
39	35.3	25.8	38.8





#57

1,3-Dichloropropane

Concen: 19.41 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

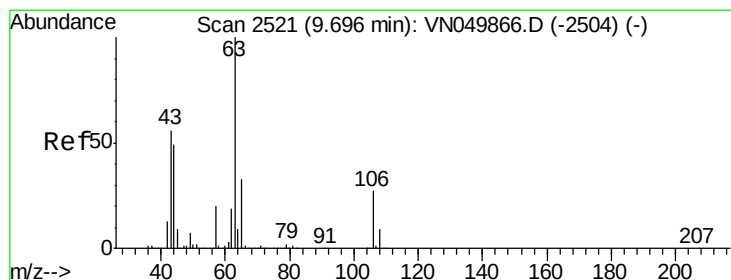
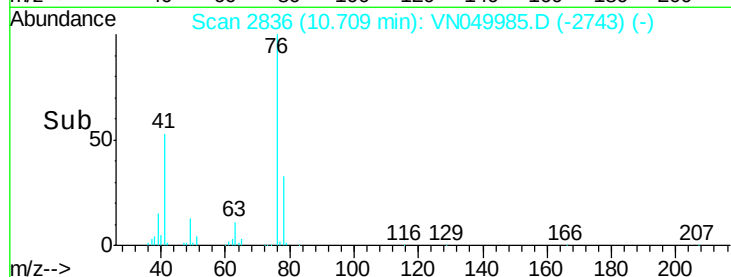
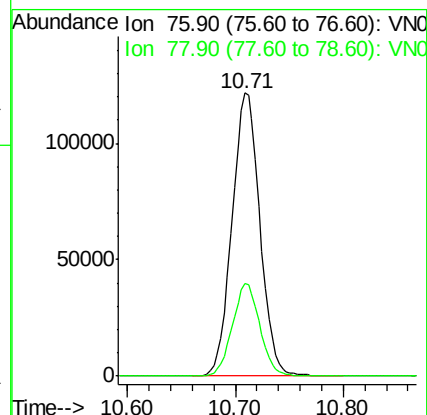
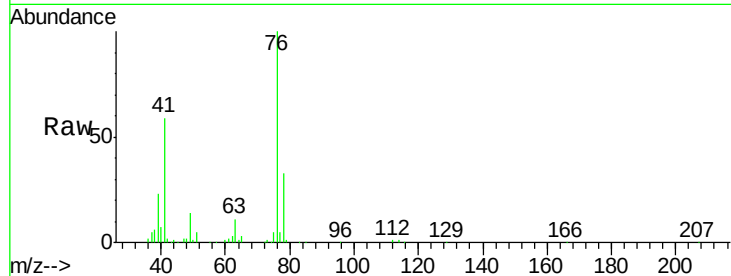
VN0720WBSD02

Tot Ion: 76 Resp: 219351

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 91.41 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049985.D

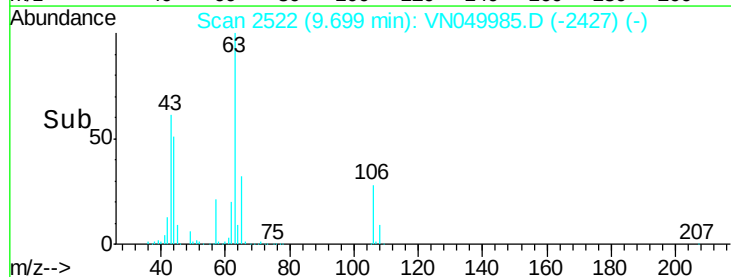
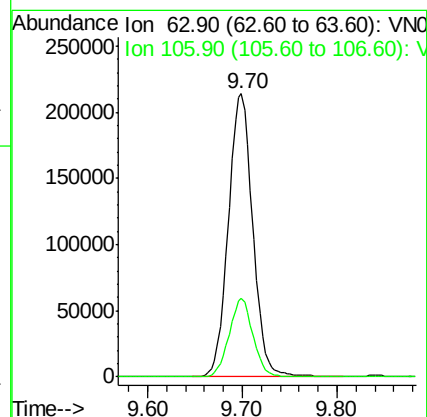
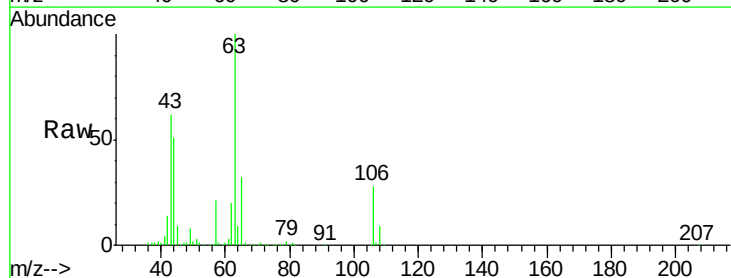
Acq: 21 Jul 2018 3:05

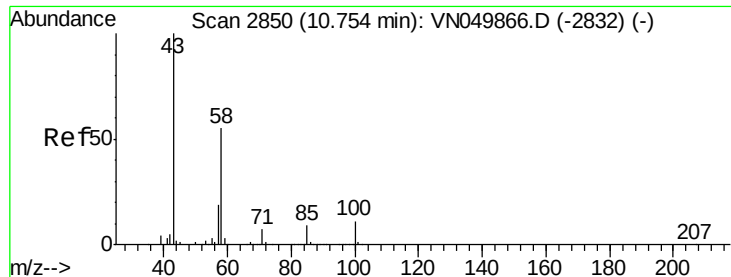
Tgt Ion: 63 Resp: 384810

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8

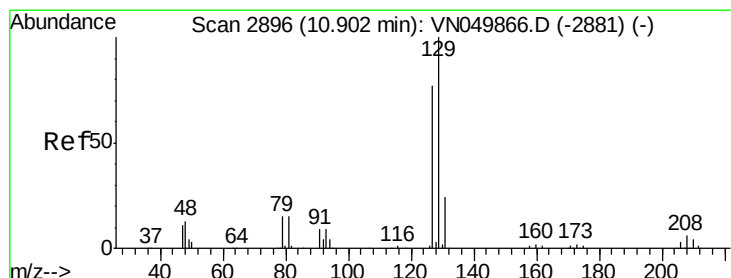
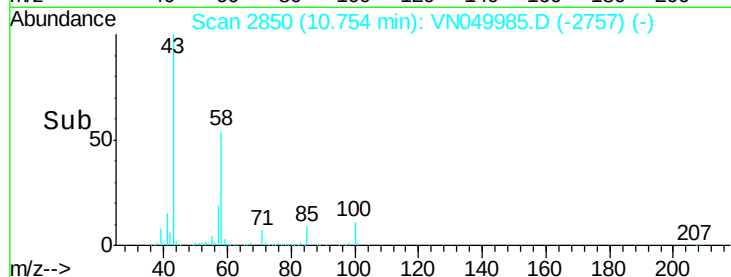
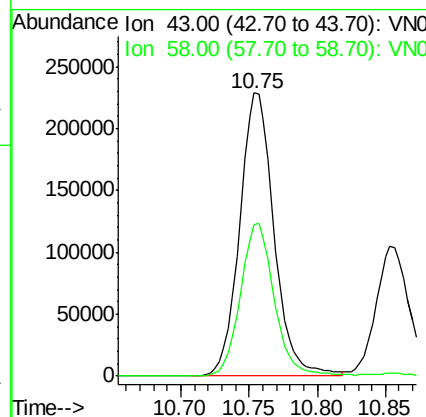
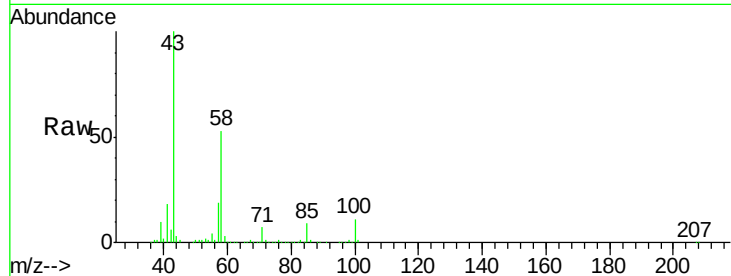




#59
2-Hexanone
Concen: 92.34 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

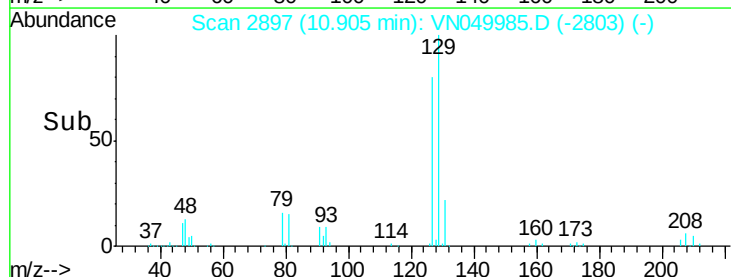
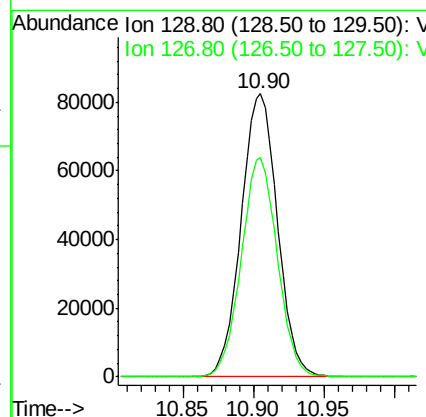
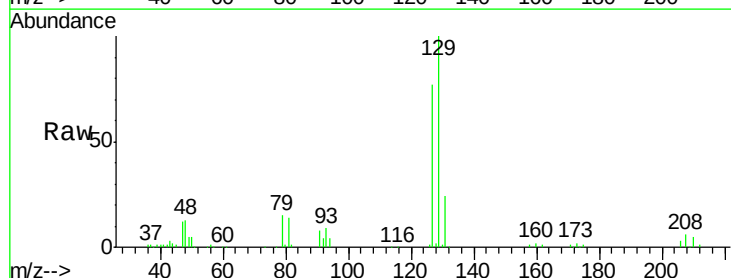
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD02

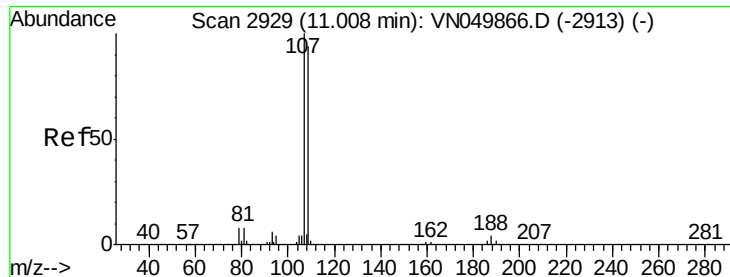
Tot Ion: 43 Resp: 397315
Ion Ratio Lower Upper
43 100
58 53.4 27.8 83.4



#60
Dibromochloromethane
Concen: 18.94 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 129 Resp: 149048
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9

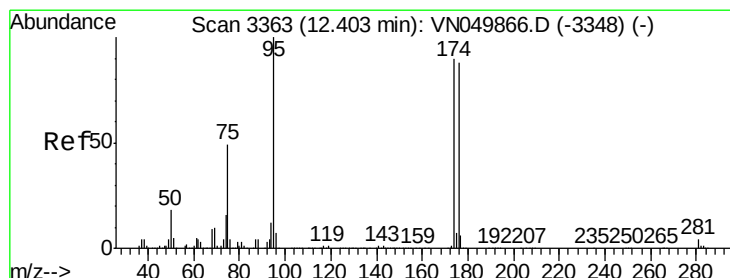
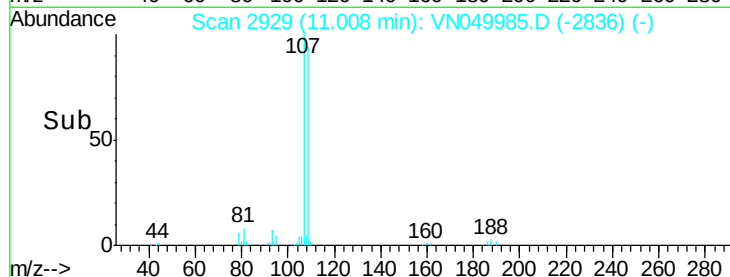
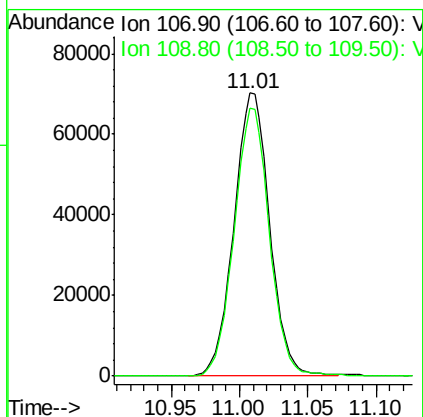
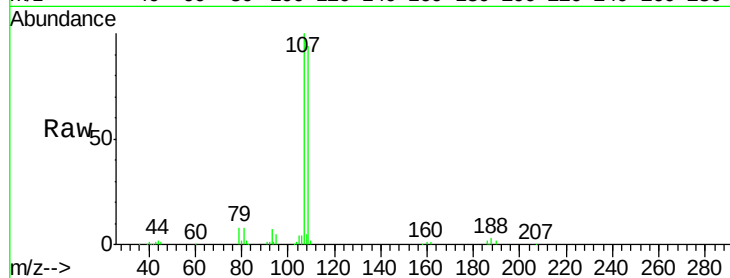




#61
 1,2-Dibromoethane
 Concen: 19.07 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

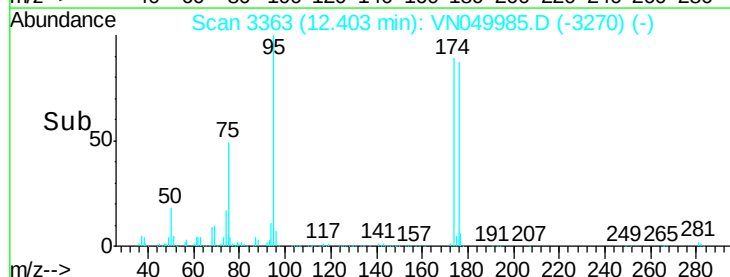
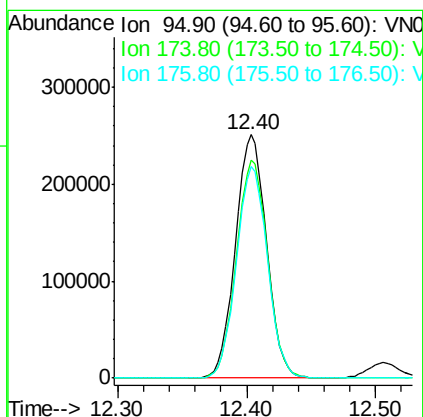
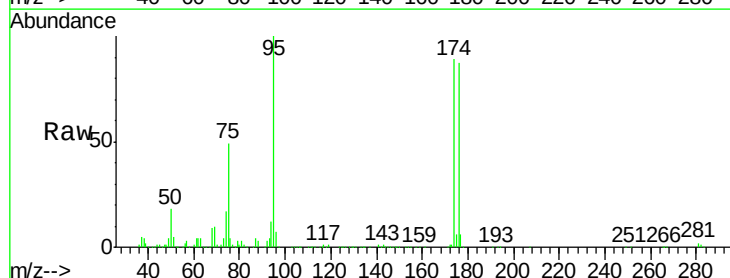
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

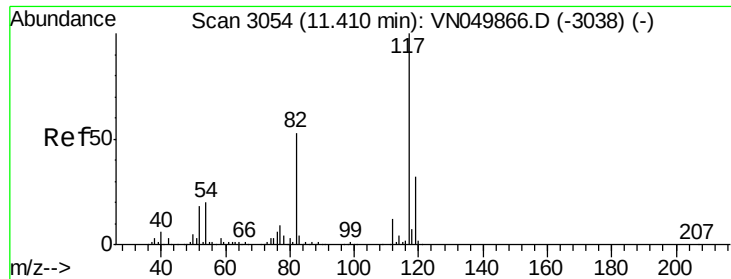
Tot Ion: 107 Resp: 127860
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.39 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 95 Resp: 419821
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 179.6
 176 87.0 0.0 174.0

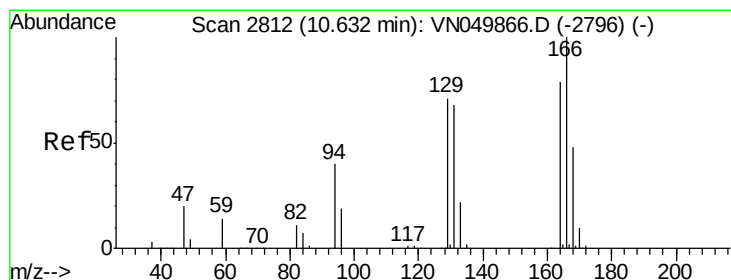
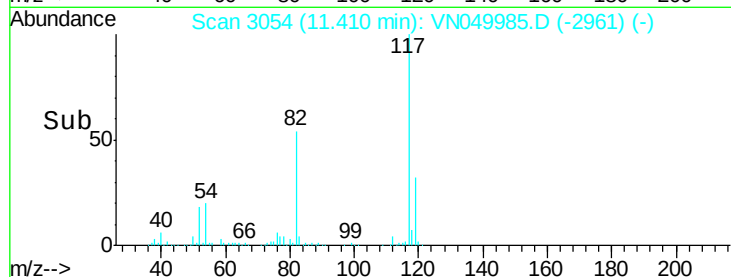
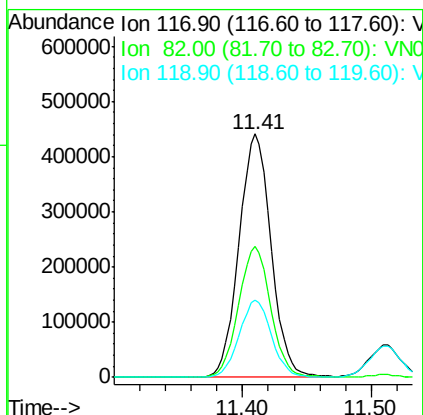
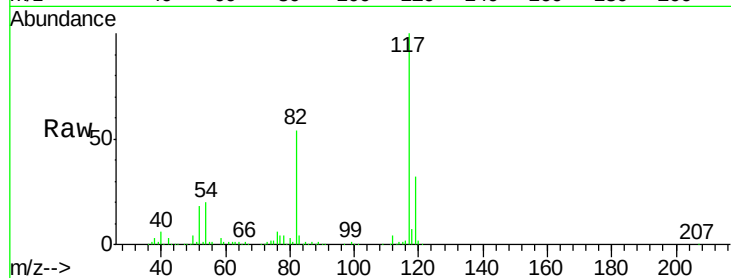




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

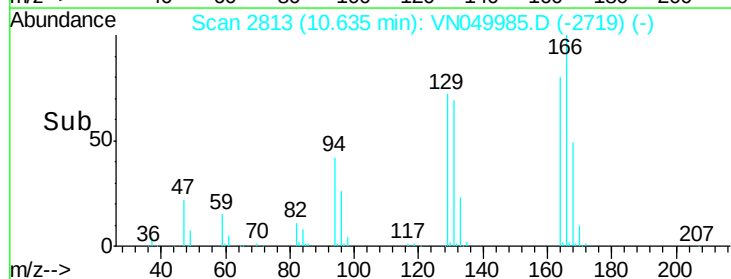
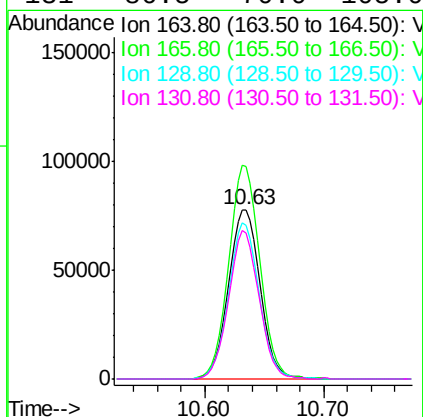
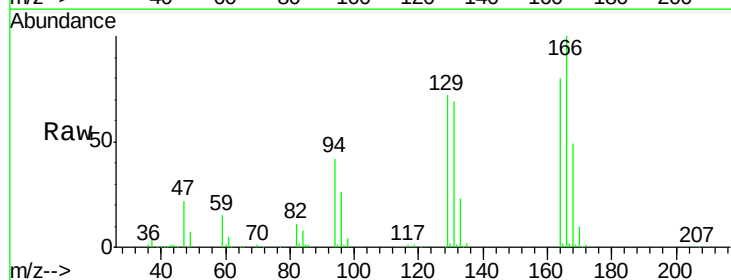
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

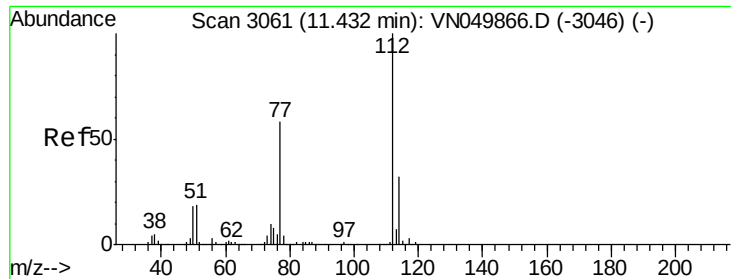
Tot Ion:117 Resp: 764558
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 20.81 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion:164 Resp: 142990
Ion Ratio Lower Upper
164 100
166 125.2 101.8 152.6
129 90.6 72.8 109.2
131 86.5 70.0 105.0





#65

Chlorobenzene

Concen: 19.64 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

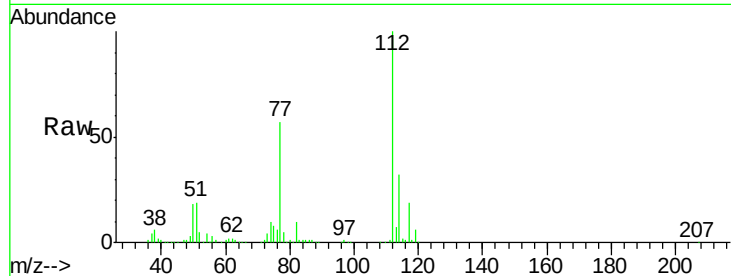
VN0720WBSD02

Tot Ion:112 Resp: 377225

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

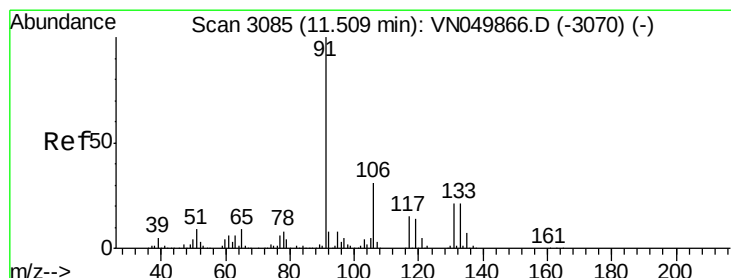
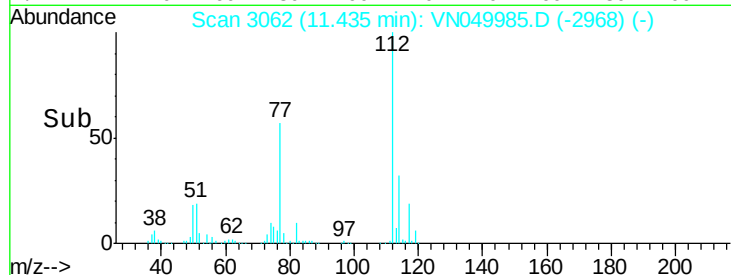
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.69 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

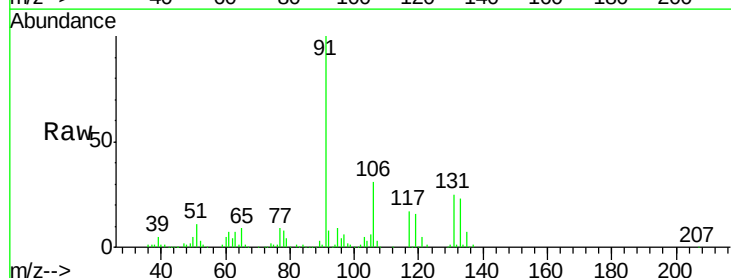
Tgt Ion:131 Resp: 146519

Ion Ratio Lower Upper

131 100

133 94.4 47.5 142.6

119 66.8 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

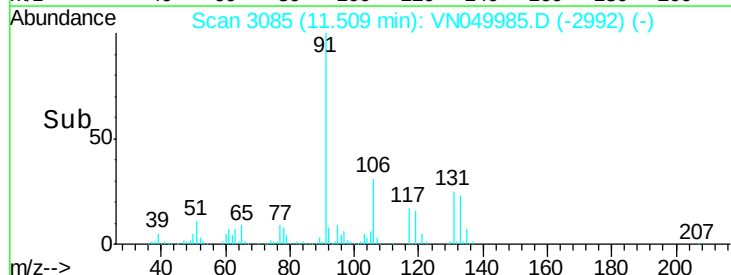
150000

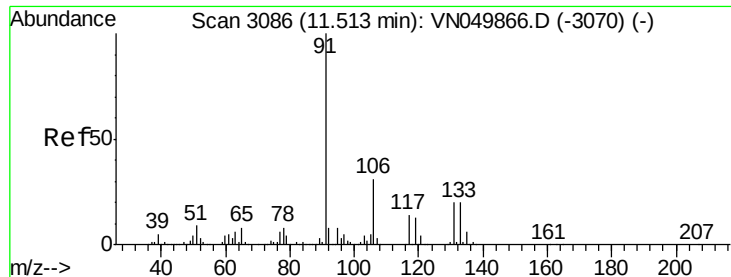
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.42 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampled :

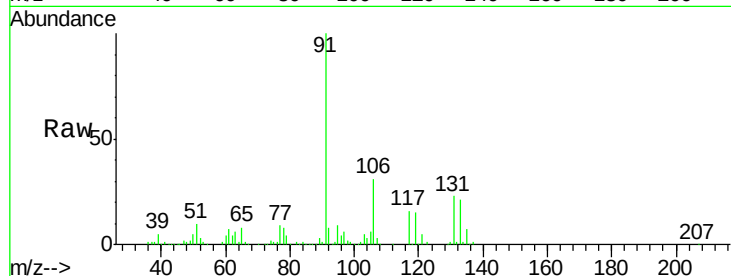
VN0720WBSD02

Tot Ion: 91 Resp: 605088

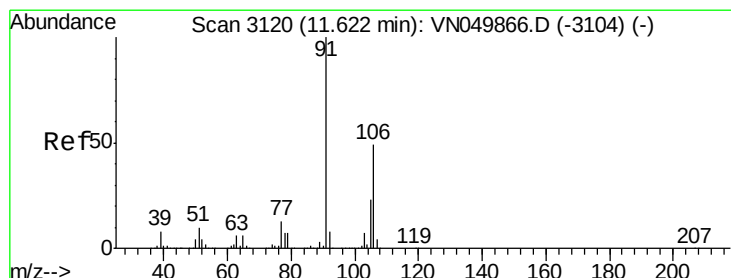
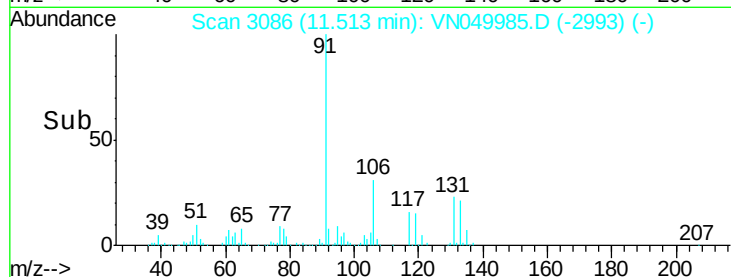
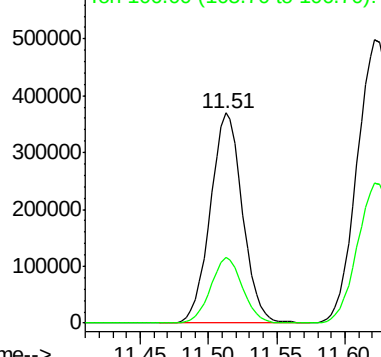
Ion Ratio Lower Upper

91 100

106 31.2 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3070) (-)



#68

m/p-Xylenes

Concen: 40.06 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049985.D

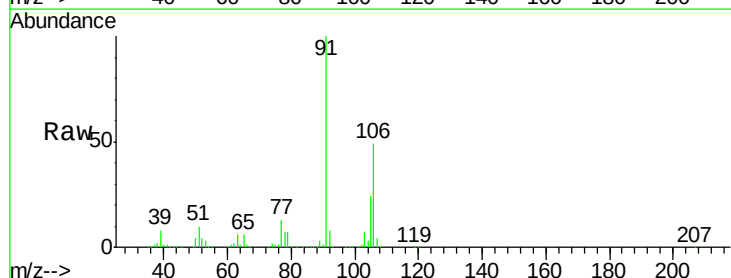
Acq: 21 Jul 2018 3:05

Tgt Ion: 106 Resp: 472597

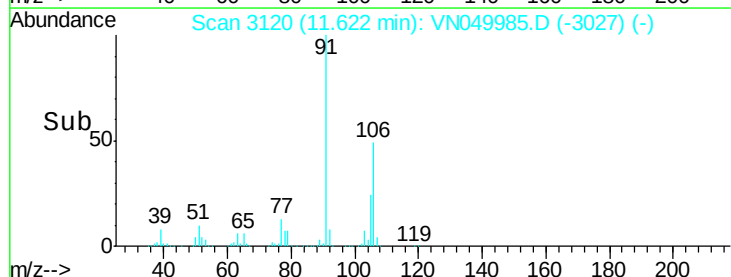
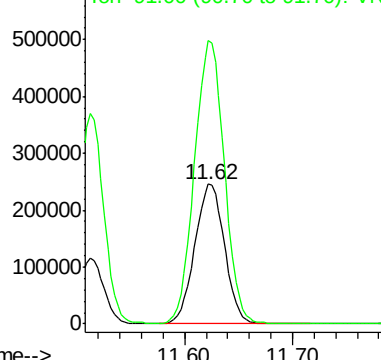
Ion Ratio Lower Upper

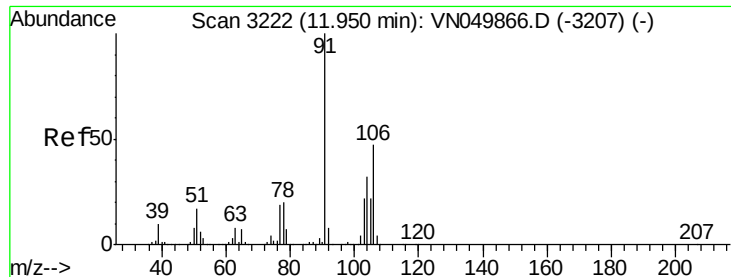
106 100

91 203.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049866.D (-3104) (-)

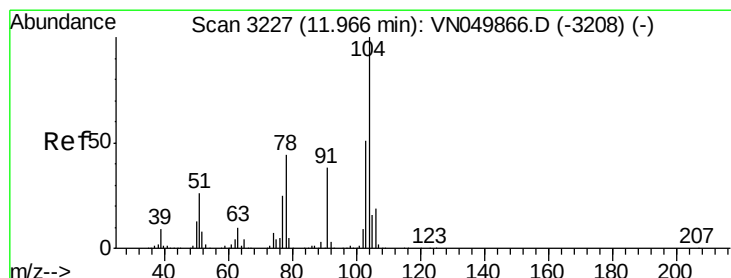
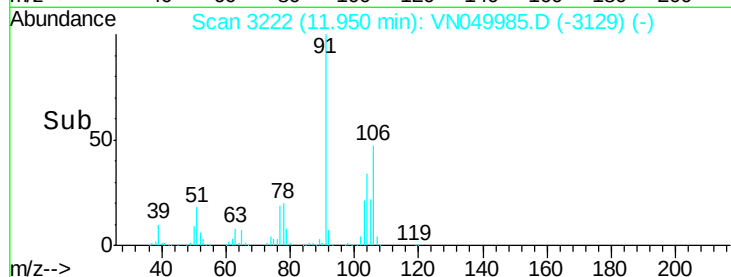
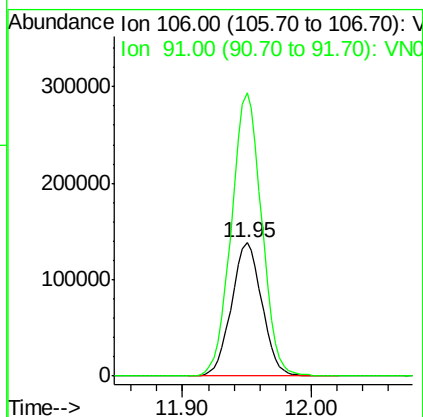
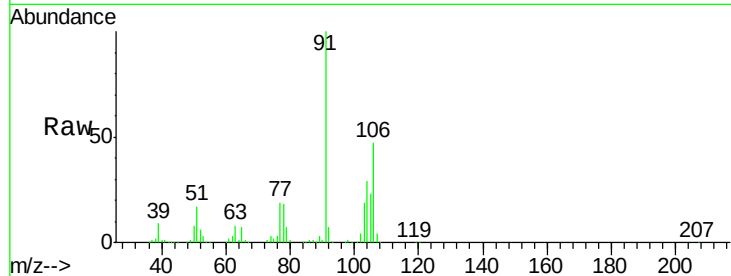




#69
o-Xylene
Concen: 20.03 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

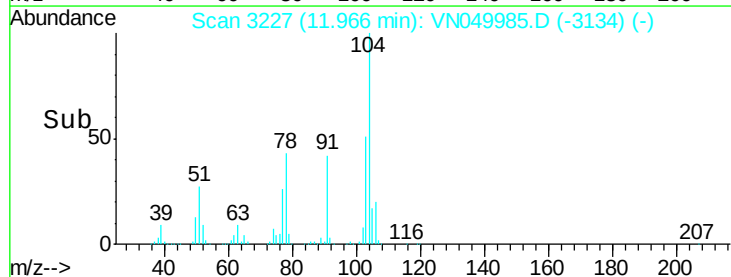
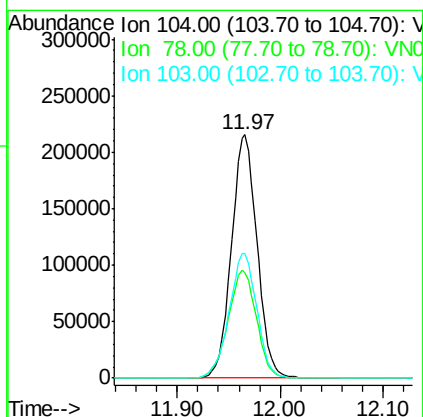
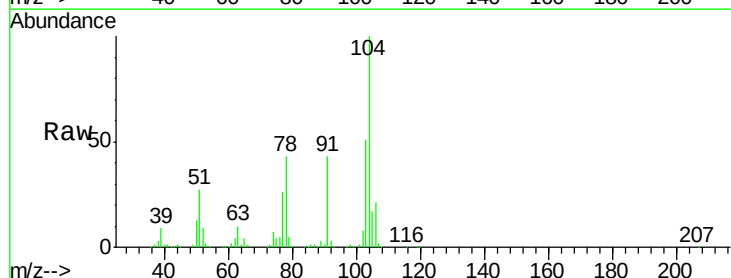
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

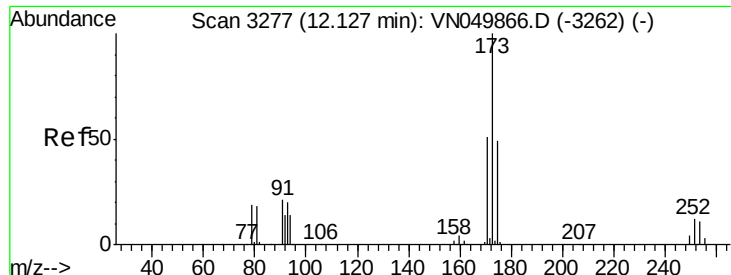
Tot Ion:106 Resp: 226914
Ion Ratio Lower Upper
106 100
91 210.8 108.7 326.1



#70
Styrene
Concen: 20.38 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion:104 Resp: 373998
Ion Ratio Lower Upper
104 100
78 49.3 39.2 58.8
103 55.4 44.6 67.0





#71

Bromoform

Concen: 19.24 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

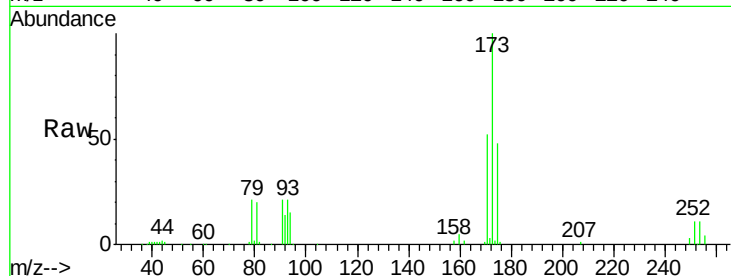
Tot Ion:173 Resp: 102420

Ion Ratio Lower Upper

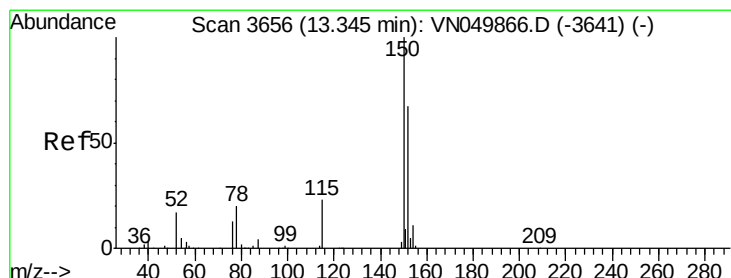
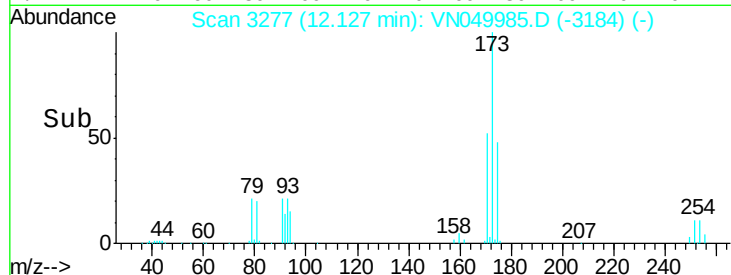
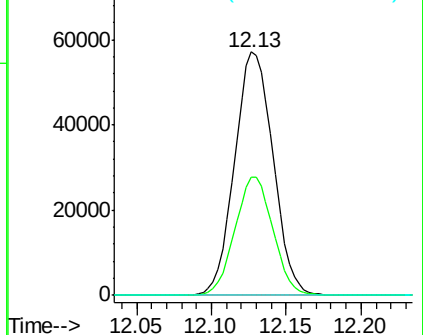
173 100

175 48.0 24.6 73.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

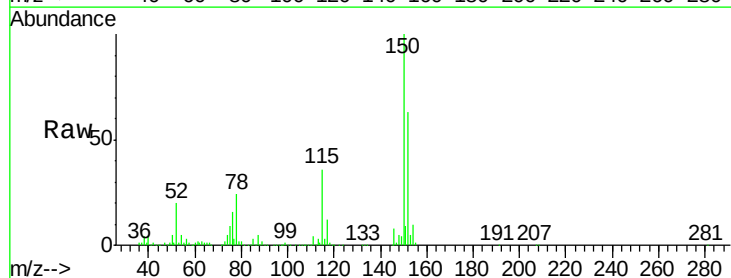
Tgt Ion:152 Resp: 381840

Ion Ratio Lower Upper

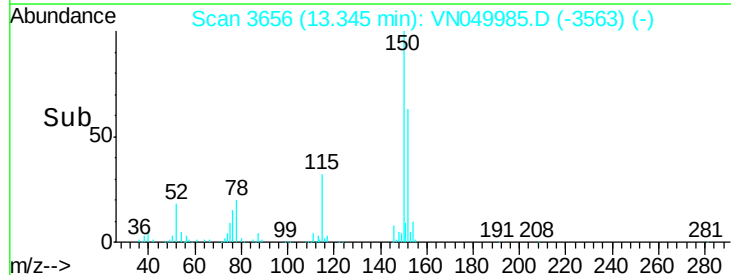
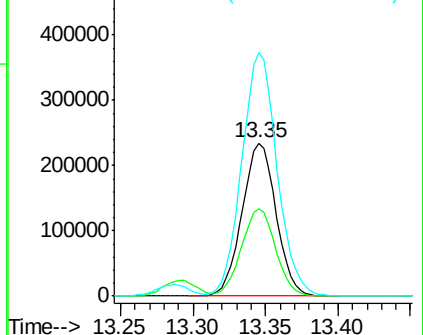
152 100

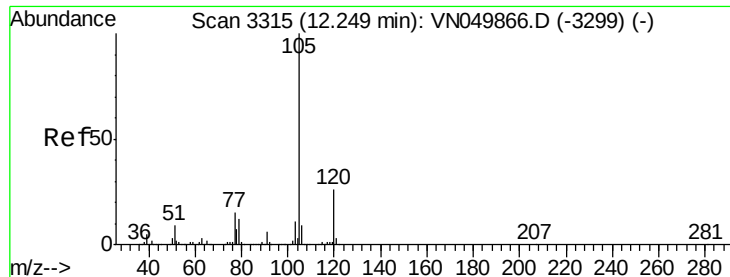
115 57.3 28.1 84.2

150 165.6 0.0 347.6



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





#73

Isopropylbenzene

Concen: 20.84 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

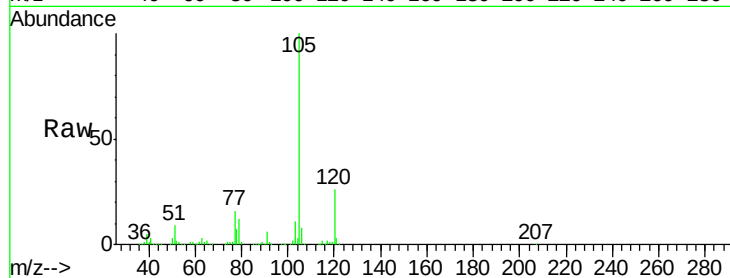
VN0720WBSD02

Tot Ion:105 Resp: 604470

Ion Ratio Lower Upper

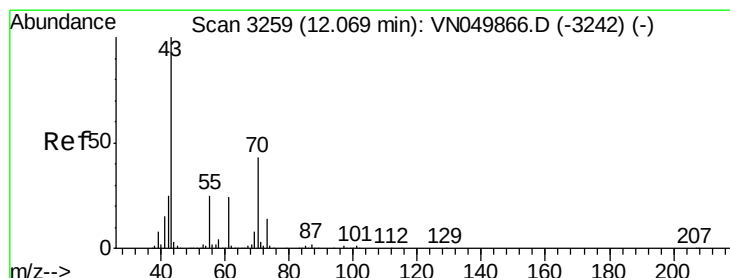
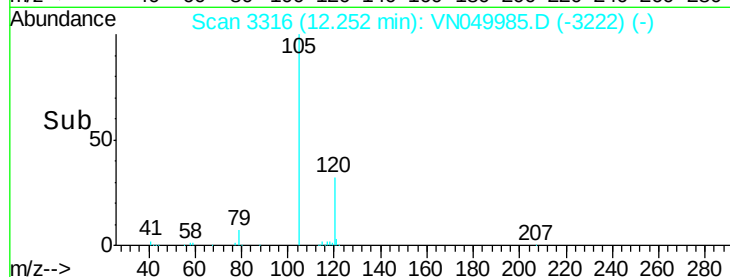
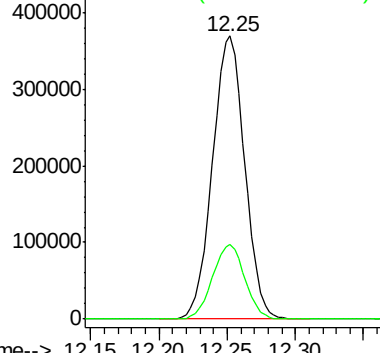
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.45 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Tgt Ion: 43 Resp: 171720

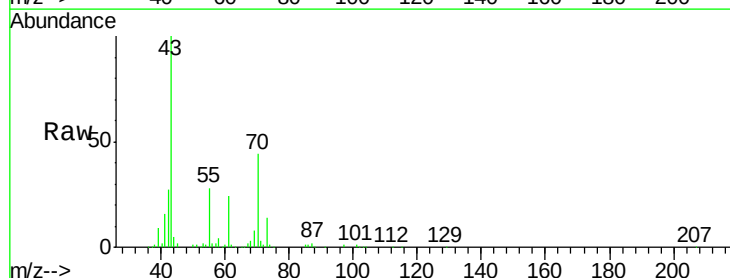
Ion Ratio Lower Upper

43 100

70 42.7 34.8 52.2

55 27.7 20.9 31.3

61 24.1 19.9 29.9

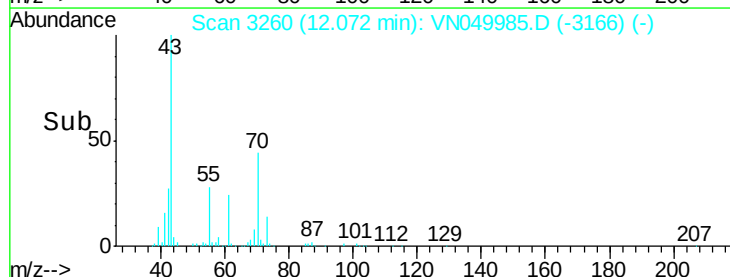
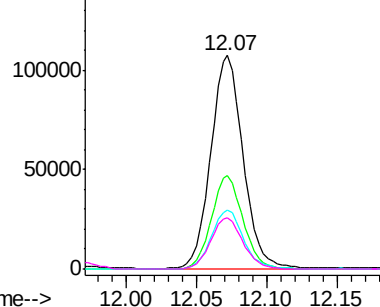


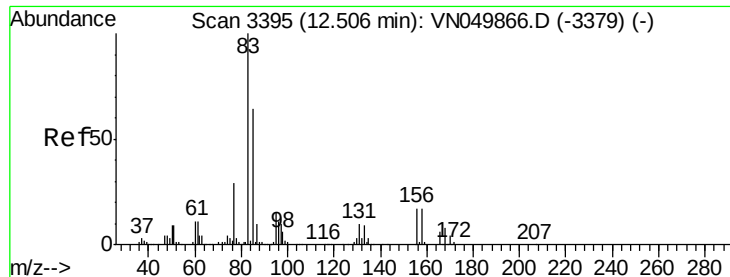
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

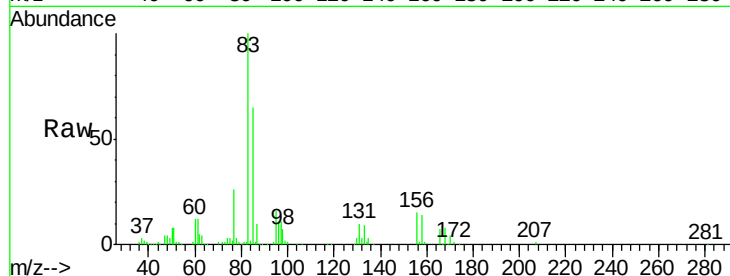
Tot Ion: 83 Resp: 170112

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

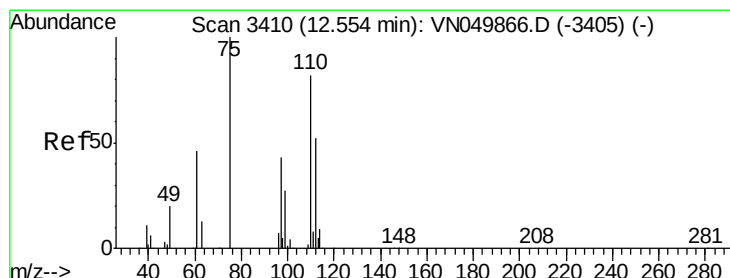
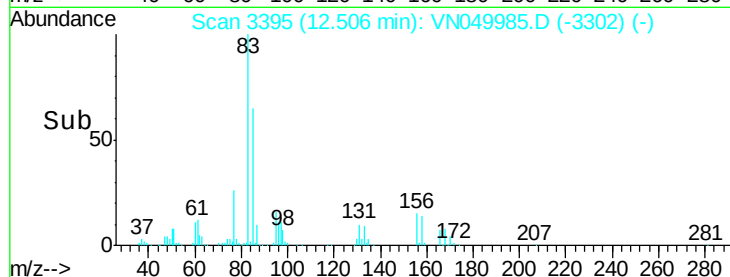
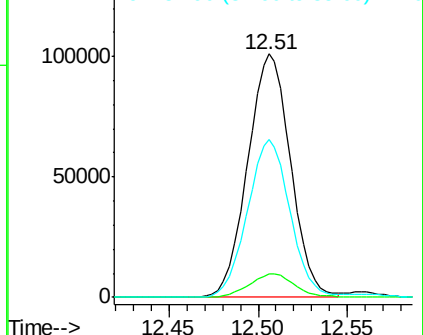
85 64.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.61 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049985.D

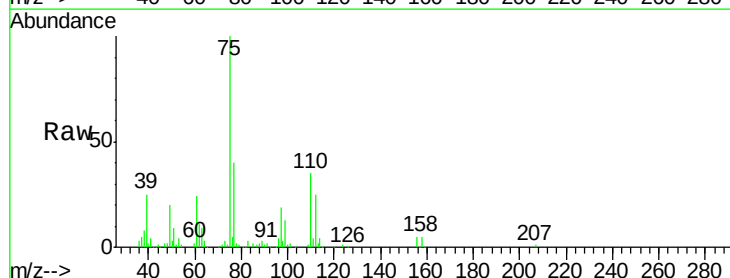
Acq: 21 Jul 2018 3:05

Tgt Ion: 75 Resp: 197735

Ion Ratio Lower Upper

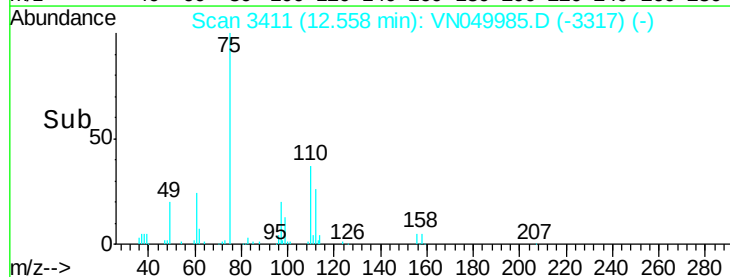
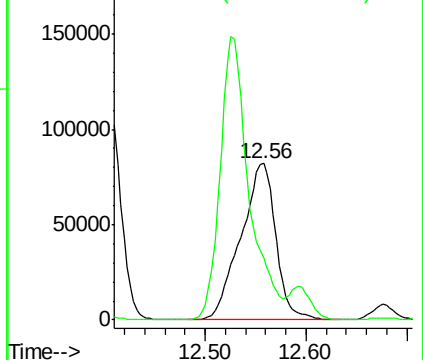
75 100

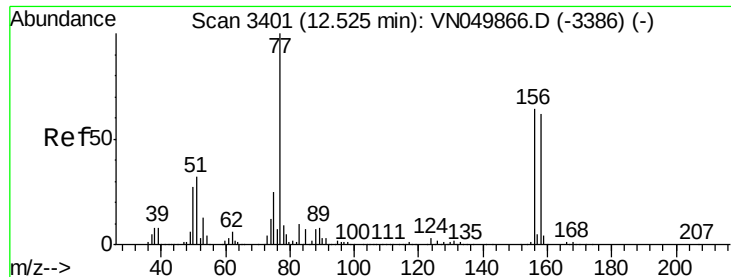
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

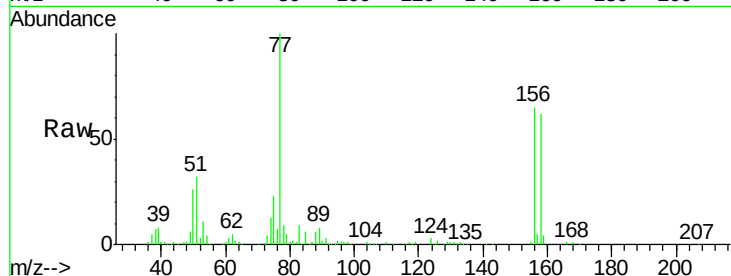
Tot Ion:156 Resp: 159417

Ion Ratio Lower Upper

156 100

77 187.1 90.2 270.6

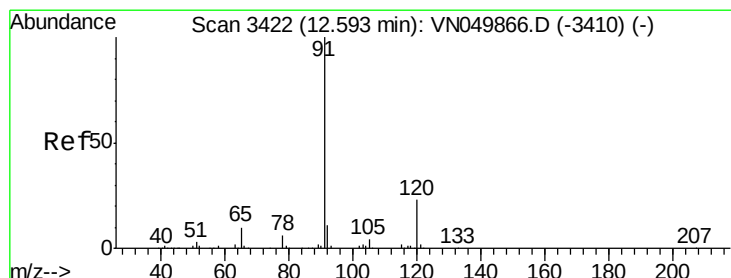
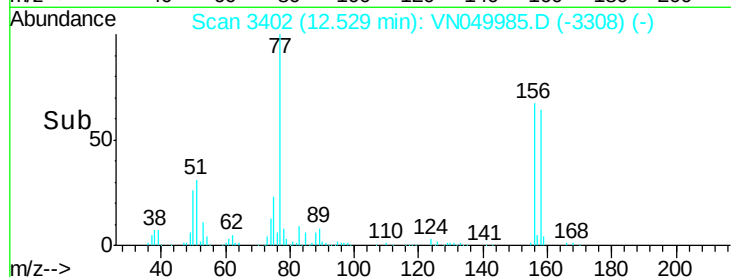
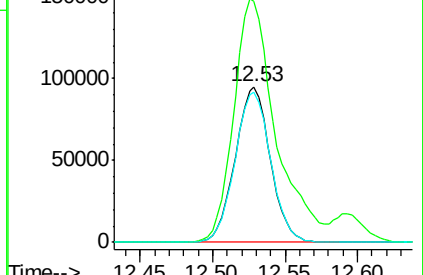
158 98.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.83 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049985.D

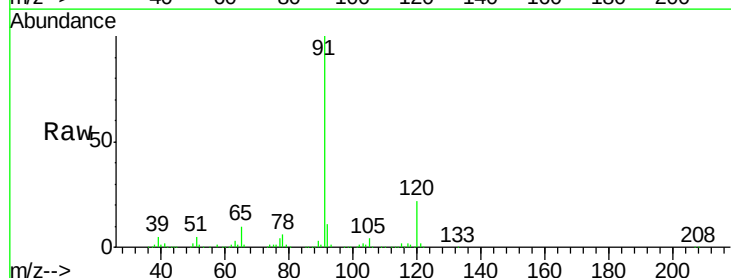
Acq: 21 Jul 2018 3:05

Tgt Ion: 91 Resp: 687036

Ion Ratio Lower Upper

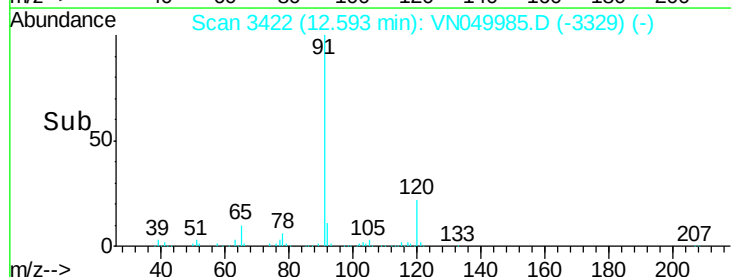
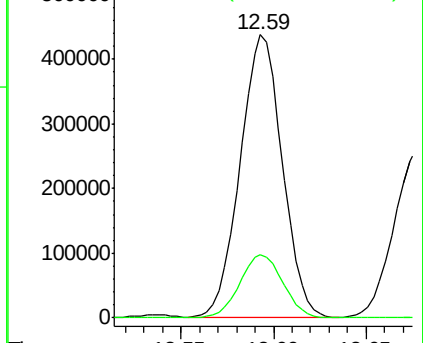
91 100

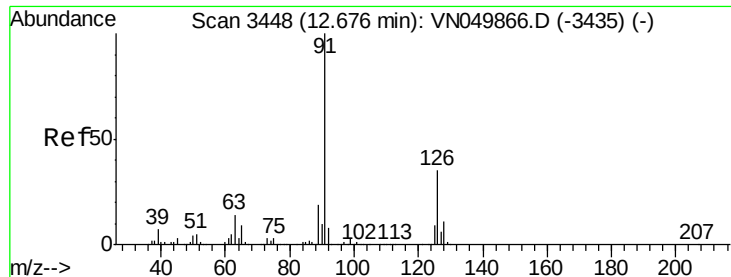
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

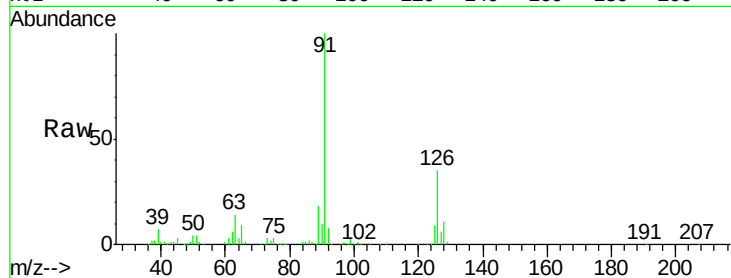
VN0720WBSD02

Tot Ion: 91 Resp: 425093

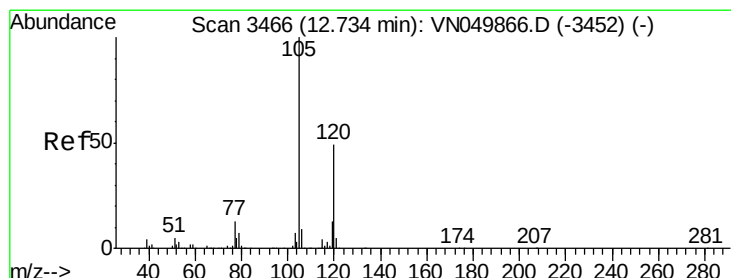
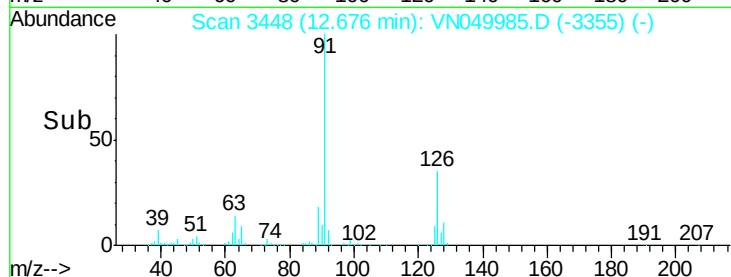
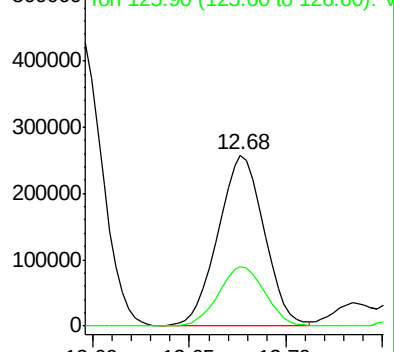
Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5



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



#80

1,3,5-Trimethylbenzene

Concen: 21.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049985.D

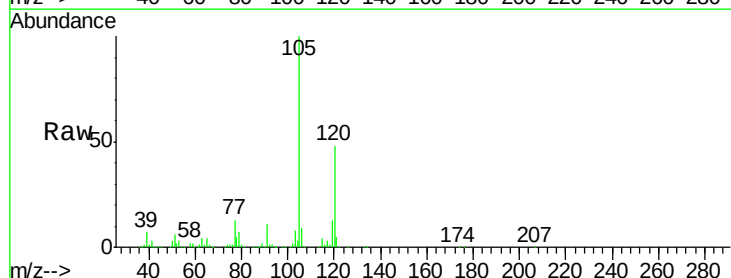
Acq: 21 Jul 2018 3:05

Tgt Ion: 105 Resp: 499725

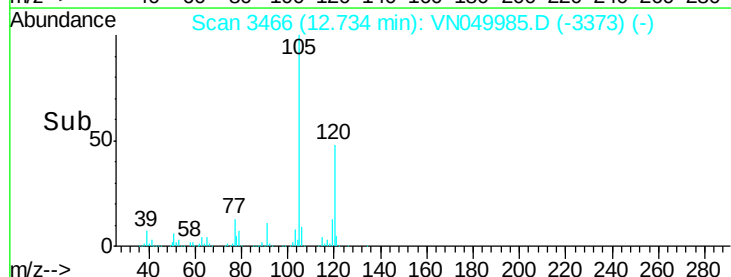
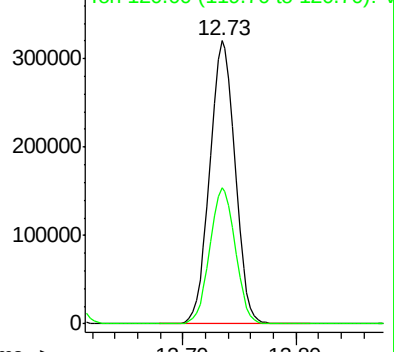
Ion Ratio Lower Upper

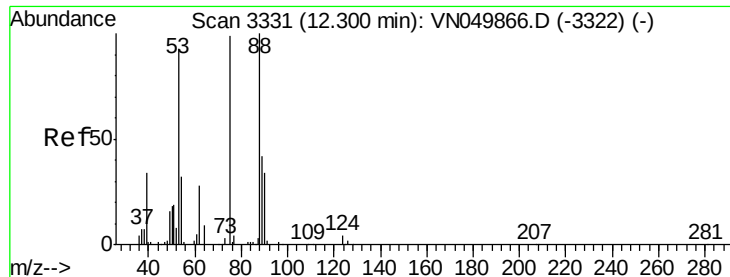
105 100

120 48.5 24.3 72.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 16.88 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

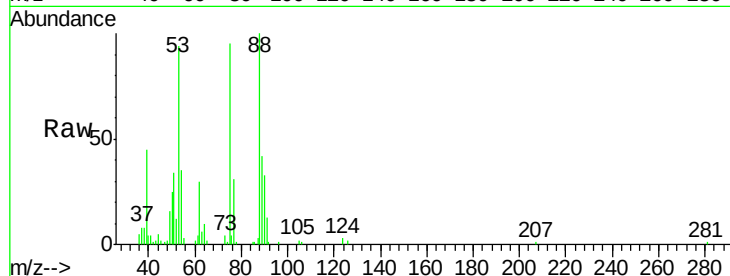
Tot Ion: 75 Resp: 38678

Ion Ratio Lower Upper

75 100

53 97.0 73.9 110.9

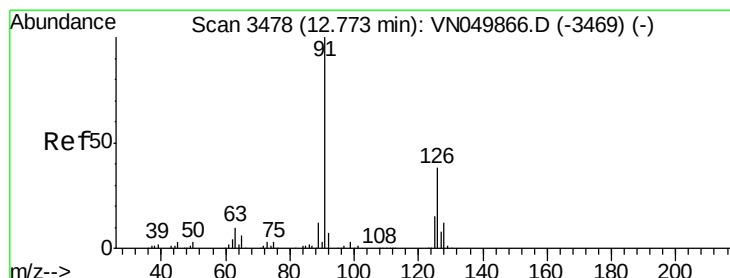
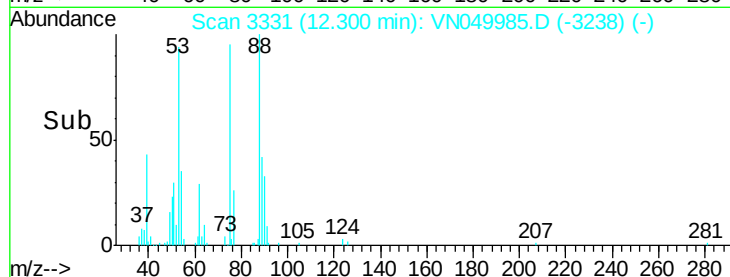
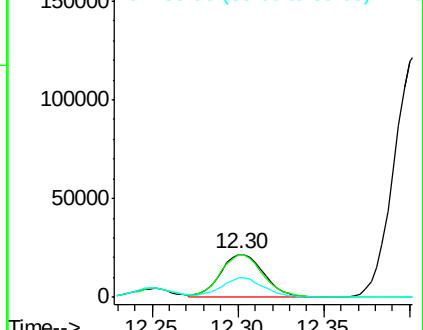
89 43.5 35.9 53.9



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: 20.84 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049985.D

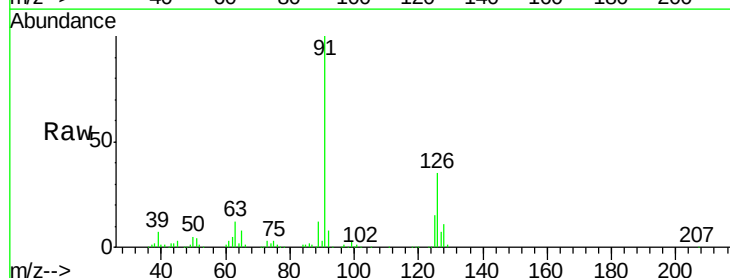
Acq: 21 Jul 2018 3:05

Tgt Ion: 91 Resp: 423363

Ion Ratio Lower Upper

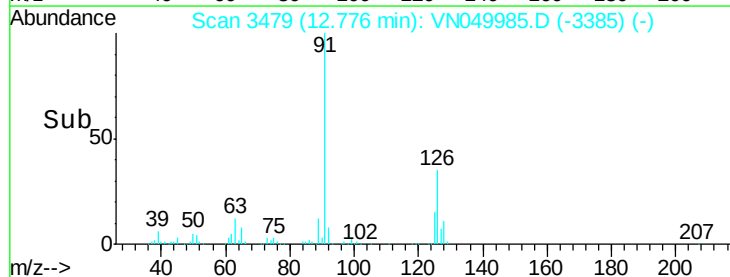
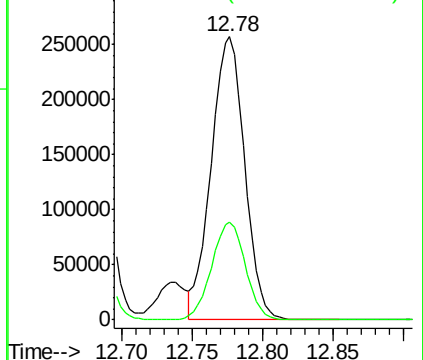
91 100

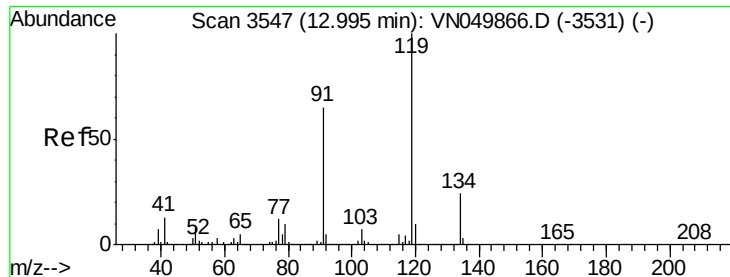
126 34.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

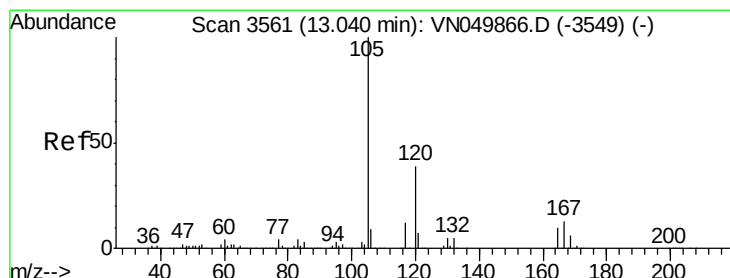
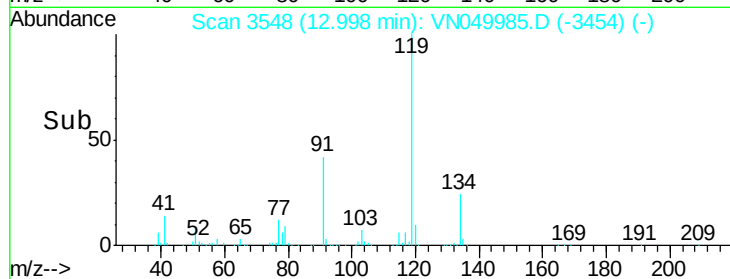
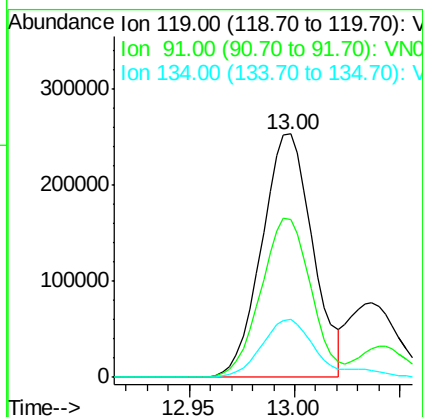
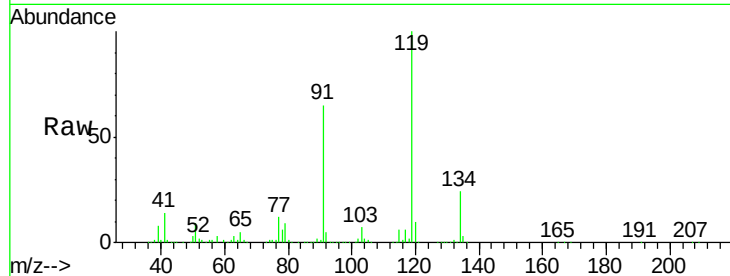




#83
 tert-Butylbenzene
 Concen: 20.87 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

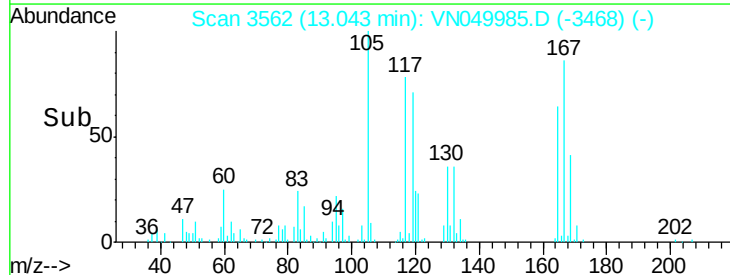
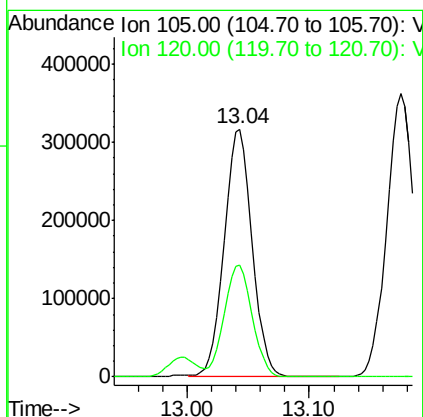
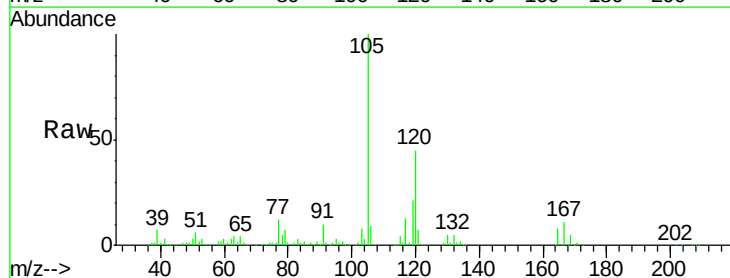
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

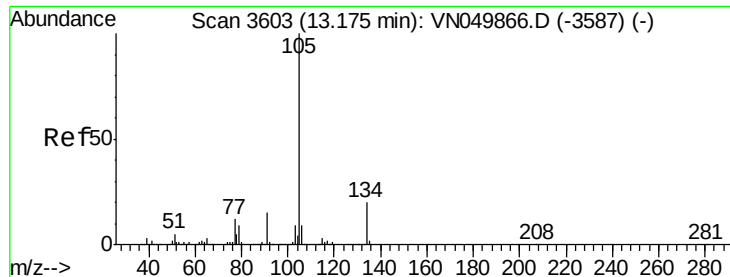
Tot Ion:119 Resp: 426169
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.0 96.2
 134 26.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.55 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion:105 Resp: 507600
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 21.05 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

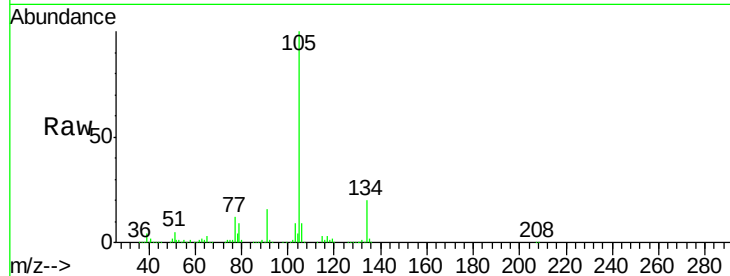
VN0720WBSD02

Tot Ion:105 Resp: 567834

Ion Ratio Lower Upper

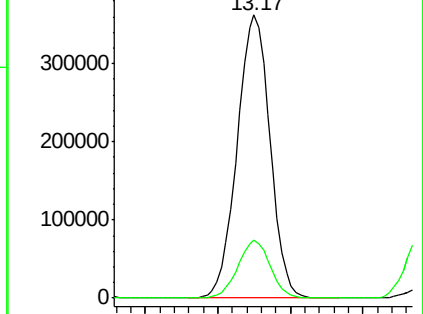
105 100

134 20.2 10.1 30.1

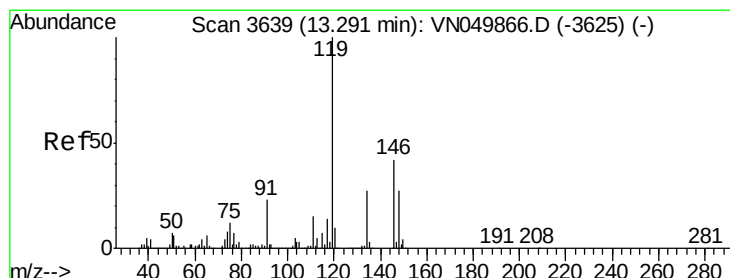
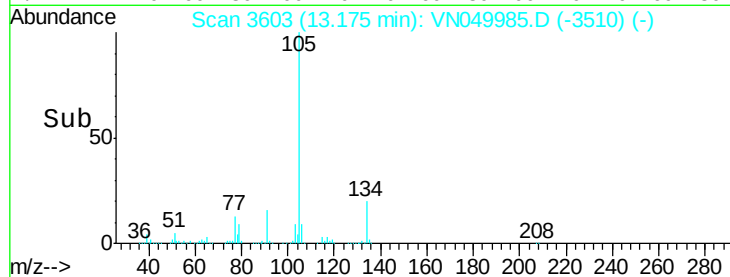


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.70 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

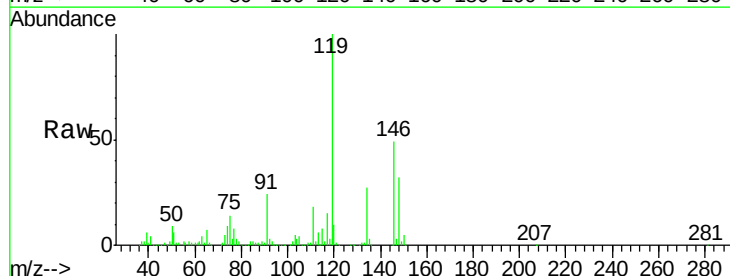
Tgt Ion:119 Resp: 476185

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

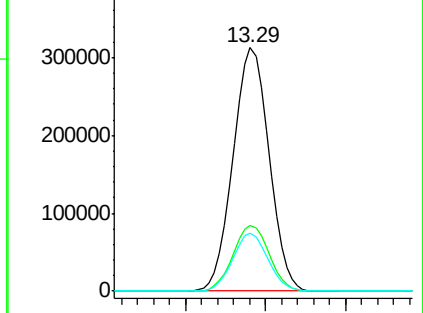
91 23.3 11.4 34.1



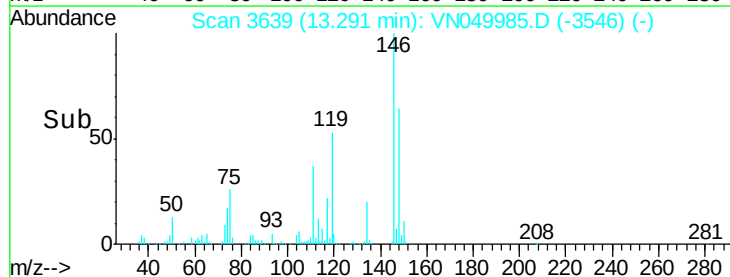
Abundance Ion 119.00 (118.70 to 119.70): V

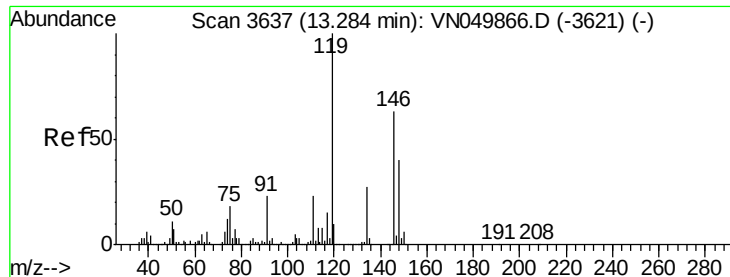
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

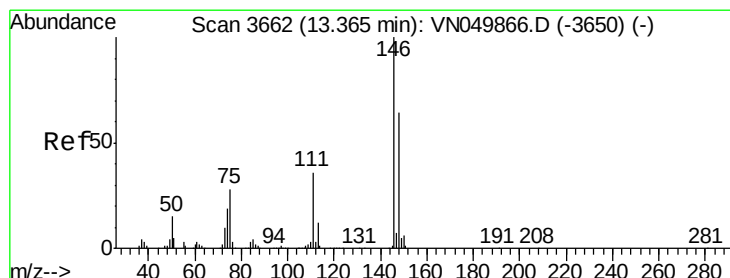
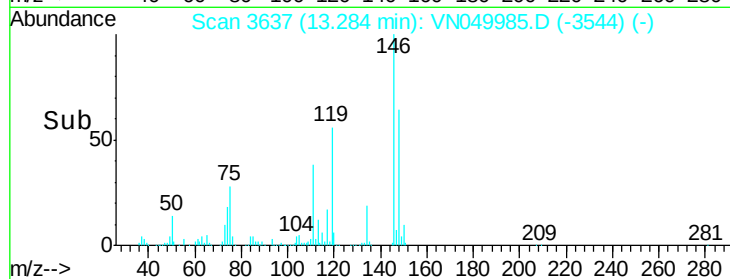
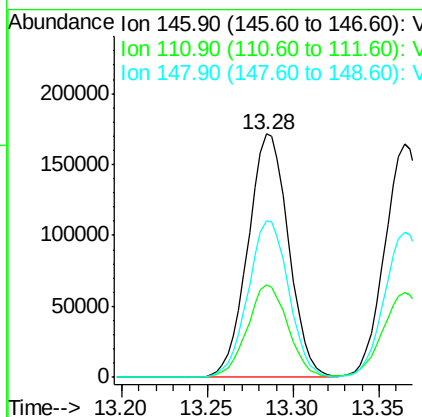
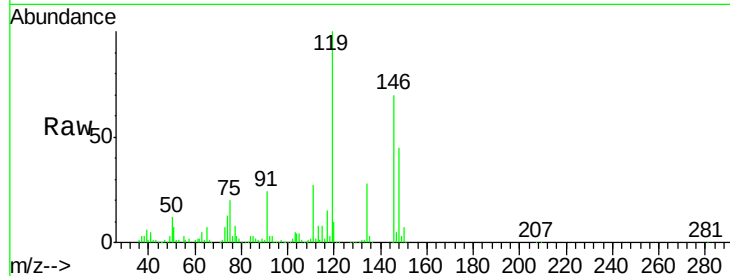




#87
 1,3-Dichlorobenzene
 Concen: 20.15 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

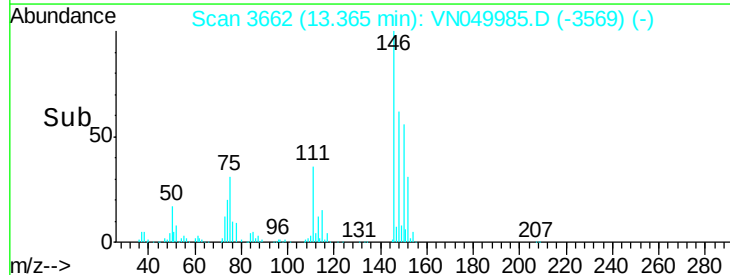
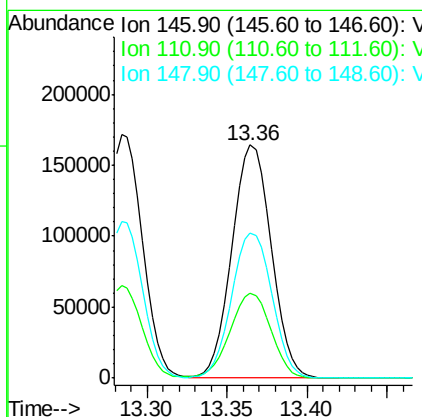
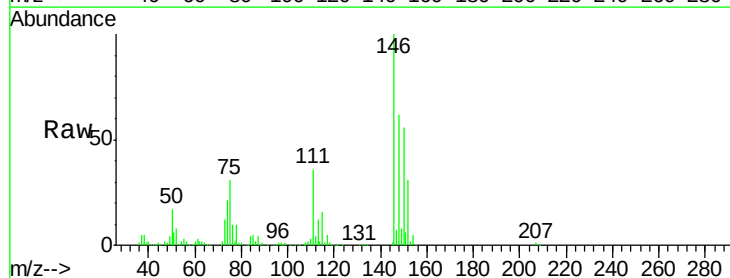
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

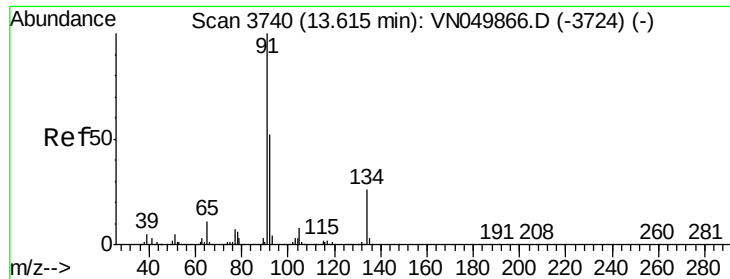
Tot Ion:146 Resp: 281180
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.0 57.0
 148 64.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion:146 Resp: 275680
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.5
 148 63.8 32.1 96.3

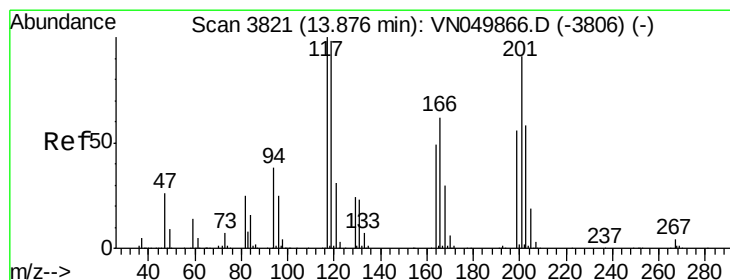
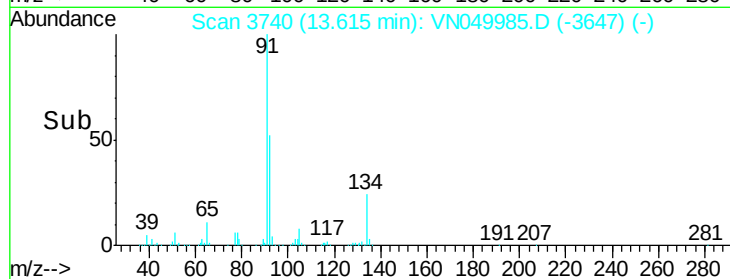
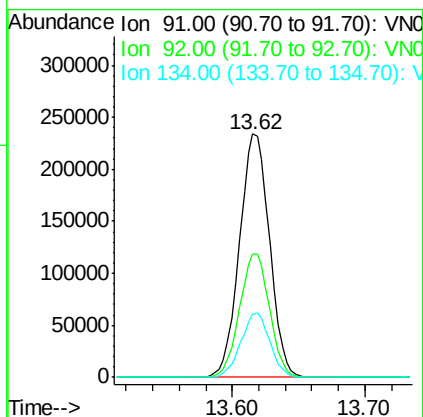
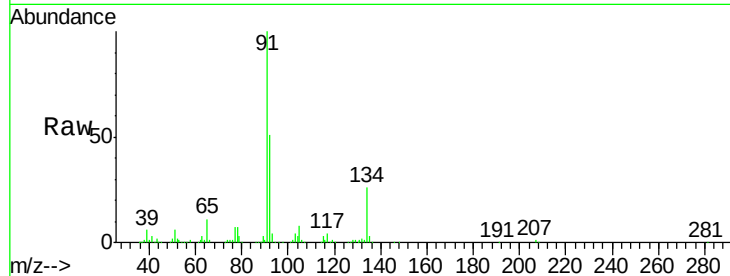




#89
n-Butylbenzene
Concen: 19.36 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

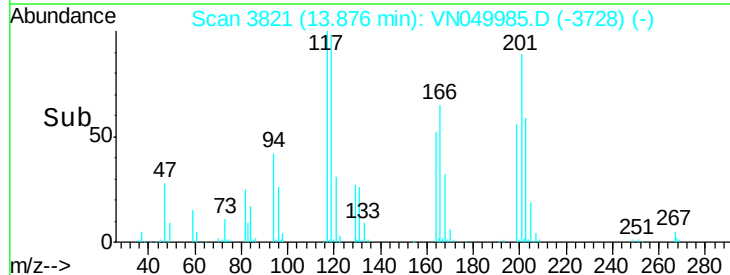
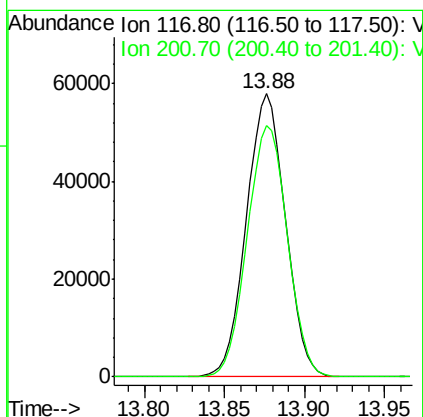
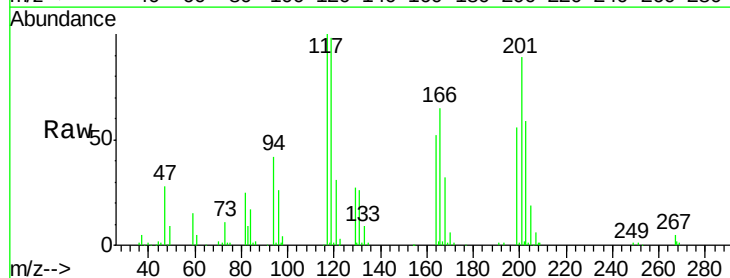
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

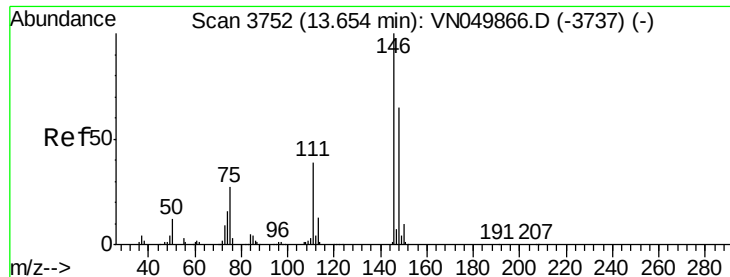
Tot Ion: 91 Resp: 367696
Ion Ratio Lower Upper
91 100
92 50.6 25.8 77.3
134 25.5 13.0 38.9



#90
Hexachloroethane
Concen: 18.71 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 117 Resp: 96559
Ion Ratio Lower Upper
117 100
201 91.4 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 20.56 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

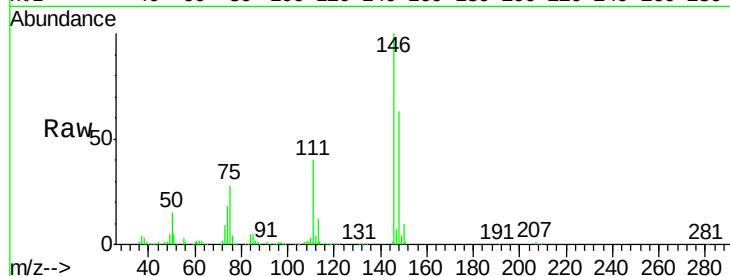
Tot Ion:146 Resp: 282117

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.1

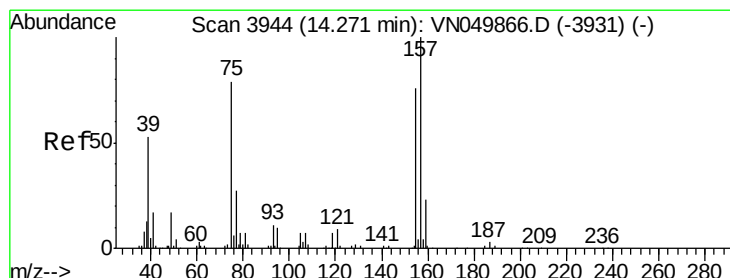
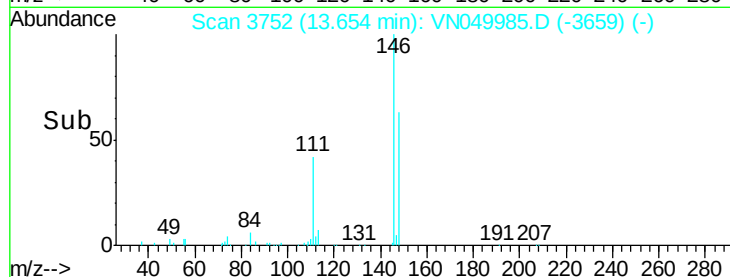
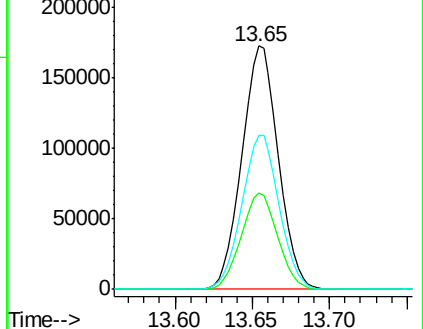
148 64.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.27 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

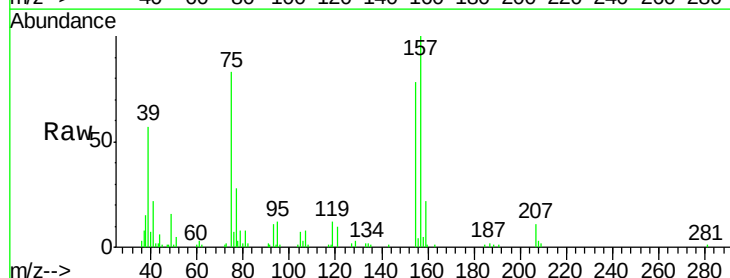
Tgt Ion: 75 Resp: 24535

Ion Ratio Lower Upper

75 100

155 94.6 45.7 137.1

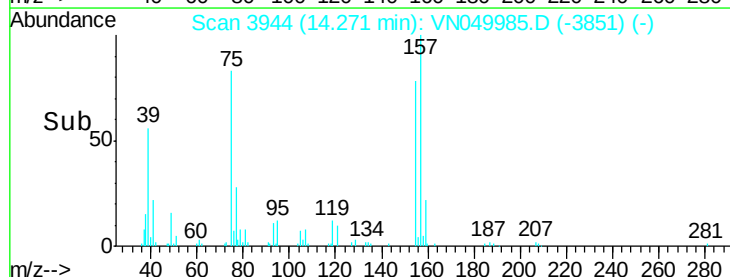
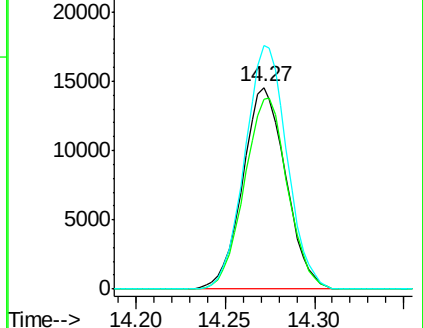
157 118.3 56.9 170.7

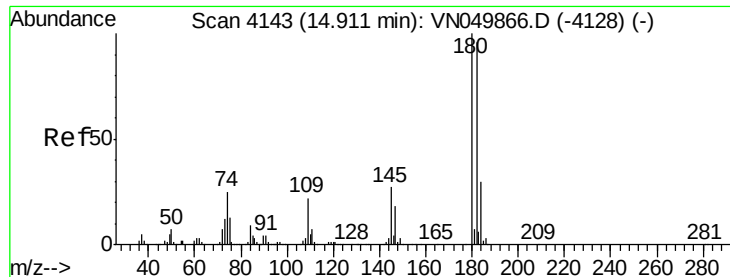


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

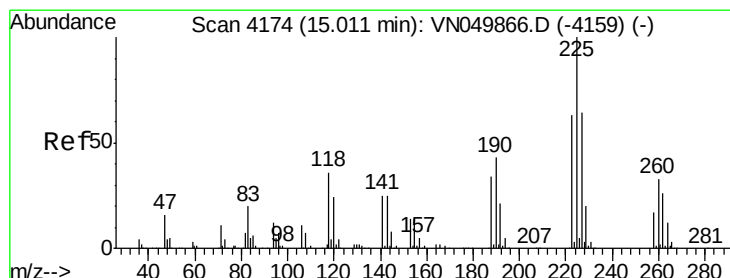
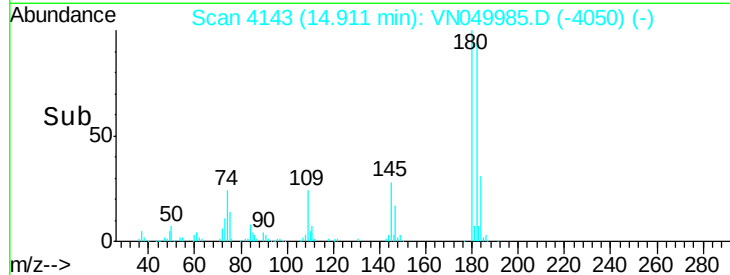
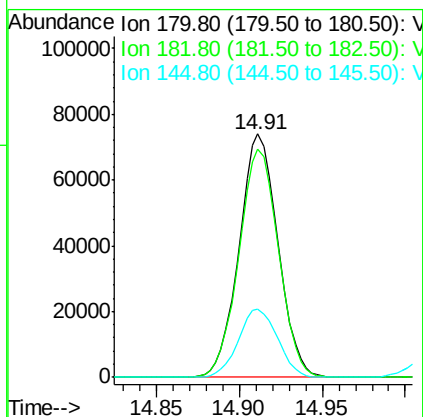
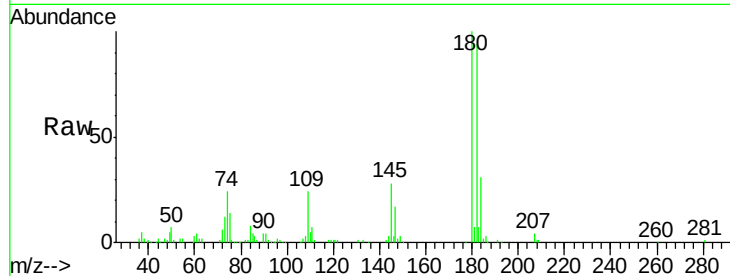




#93
 1,2,4-Trichlorobenzene
 Concen: 18.27 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

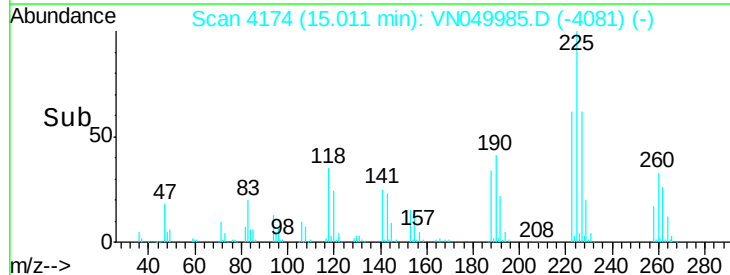
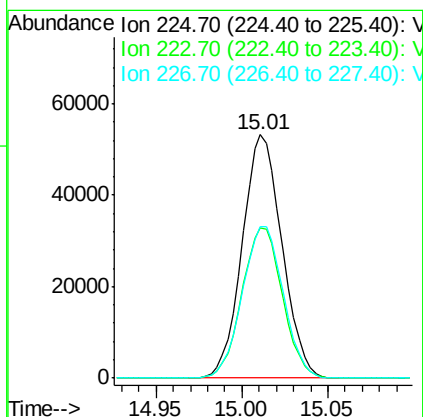
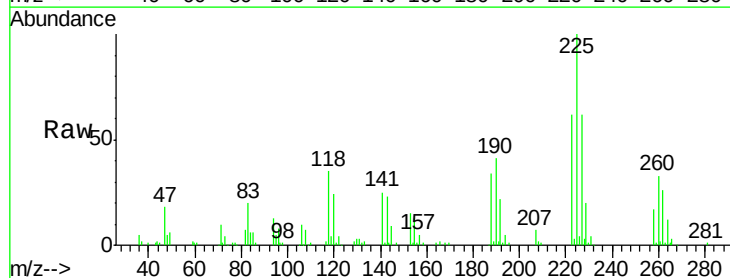
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

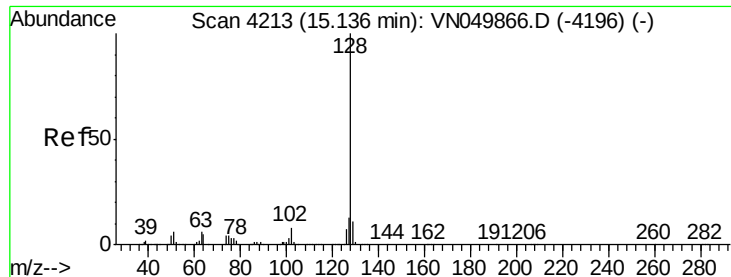
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	28.3	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 19.00 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.7
227	64.1	31.8	95.4





#95

Naphthalene

Concen: 17.17 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

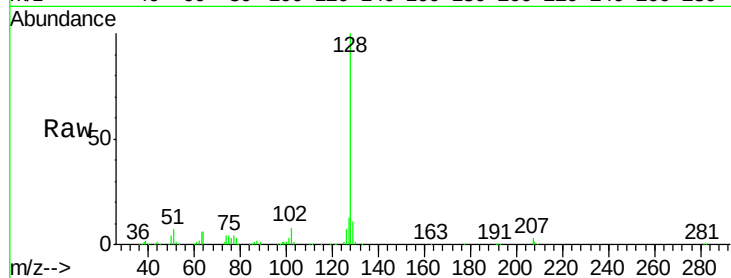
Tot Ion:128 Resp: 252013

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

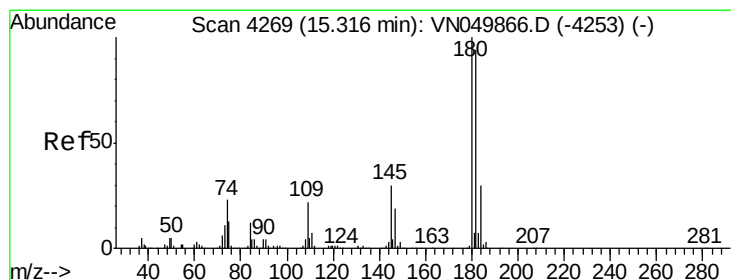
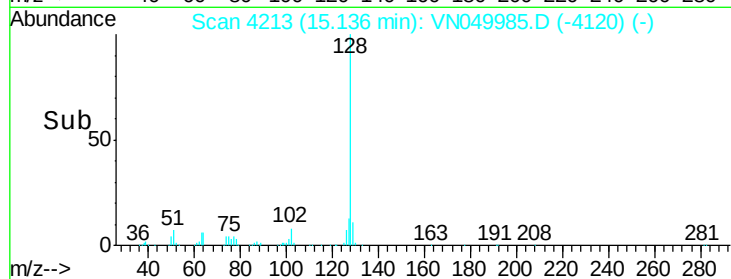
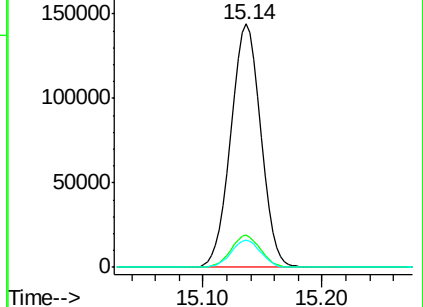
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.63 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

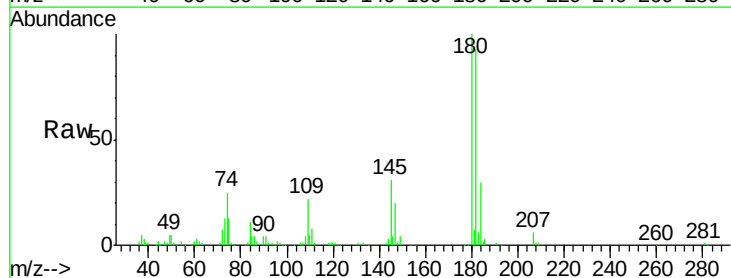
Tgt Ion:180 Resp: 129207

Ion Ratio Lower Upper

180 100

182 93.6 47.4 142.2

145 30.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

