

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050980.D
 Acq On : 31 Aug 2018 11:58
 Operator : MD\SY
 Sample : VN0831WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Quant Time: Aug 31 14:15:47 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	588434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	822117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	738513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	358921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	343781	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.59	113	337406	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.09	98	1246228	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	397279	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147190	18.69	ug/l	99
3) Chloromethane	2.06	50	163197	16.80	ug/l	99
4) Vinyl Chloride	2.18	62	164090	17.83	ug/l	100
5) Bromomethane	2.57	94	95991	17.67	ug/l	100
6) Chloroethane	2.70	64	97236	18.29	ug/l	98
7) Trichlorofluoromethane	3.01	101	222213	18.86	ug/l	100
8) Diethyl Ether	3.41	74	73307	18.30	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140479	19.08	ug/l	98
10) Methyl Iodide	3.95	142	101723	20.09	ug/l	100
11) Tert butyl alcohol	4.79	59	39345	87.22	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	119893	18.14	ug/l	97
13) Acrolein	3.61	56	12644	62.47	ug/l	95
14) Allyl chloride	4.32	41	185902	18.05	ug/l	98
15) Acrylonitrile	4.99	53	204802	89.34	ug/l	100
16) Acetone	3.82	43	150729	85.20	ug/l	96
17) Carbon Disulfide	4.05	76	352402	15.91	ug/l	99
18) Methyl Acetate	4.33	43	133465	19.95	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	308571	18.56	ug/l	99
20) Methylene Chloride	4.55	84	144864	18.14	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	129431	18.11	ug/l	97
22) Diisopropyl ether	5.95	45	396199	19.30	ug/l	98
23) Vinyl Acetate	5.90	43	1137465	86.06	ug/l	100
24) 1,1-Dichloroethane	5.85	63	244832	18.58	ug/l	100
25) 2-Butanone	6.84	43	219775	76.99	ug/l	100
26) 2,2-Dichloropropane	6.83	77	190536	18.00	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	145179	18.84	ug/l	98
28) Bromochloromethane	7.19	49	108150	19.32	ug/l	99
29) Tetrahydrofuran	7.21	42	146770	89.67	ug/l	98
30) Chloroform	7.37	83	247723	18.99	ug/l	100
31) Cyclohexane	7.65	56	210078	17.84	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	211923	18.91	ug/l	99
36) 1,1-Dichloropropene	7.79	75	183917	18.96	ug/l	99
37) Ethyl Acetate	6.93	43	100095	17.96	ug/l	99
38) Carbon Tetrachloride	7.77	117	188503	19.22	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050980.D
 Acq On : 31 Aug 2018 11:58
 Operator : MD\SY
 Sample : VN0831WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Quant Time: Aug 31 14:15:47 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	191533	18.25	ug/l	98
40) Benzene	8.04	78	562721	19.24	ug/l	100
41) Methacrylonitrile	7.17	41	51007	16.91	ug/l	94
42) 1,2-Dichloroethane	8.12	62	168412	19.26	ug/l	99
43) Isopropyl Acetate	8.17	43	181532	18.95	ug/l	98
44) Trichloroethene	8.84	130	149392	19.36	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147819	19.23	ug/l	100
46) Dibromomethane	9.21	93	85634	18.96	ug/l	98
47) Bromodichloromethane	9.40	83	186555	19.72	ug/l	99
48) Methyl methacrylate	9.20	41	86301	17.67	ug/l	98
49) 1,4-Dioxane	9.20	88	24403	366.58	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	505370	88.38	ug/l	100
52) Toluene	10.16	92	348687	20.12	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	175563	18.64	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	205721	19.07	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	125378	19.49	ug/l	99
56) Ethyl methacrylate	10.43	69	133657	17.57	ug/l	98
57) 1,3-Dichloropropane	10.71	76	203404	19.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	280978	85.42	ug/l	100
59) 2-Hexanone	10.75	43	309896	81.41	ug/l	100
60) Dibromochloromethane	10.90	129	141562	19.66	ug/l	99
61) 1,2-Dibromoethane	11.01	107	117956	18.96	ug/l	100
64) Tetrachloroethene	10.63	164	139327	19.86	ug/l	98
65) Chlorobenzene	11.43	112	373399	19.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	143233	20.28	ug/l	100
67) Ethyl Benzene	11.51	91	609798	19.43	ug/l	99
68) m/p-Xylenes	11.62	106	482862	40.54	ug/l	99
69) o-Xylene	11.95	106	229523	20.04	ug/l	98
70) Styrene	11.96	104	356024	18.46	ug/l	99
71) Bromoform	12.13	173	93585	19.27	ug/l #	100
73) Isopropylbenzene	12.25	105	611280	20.57	ug/l	99
74) N-amyl acetate	12.07	43	129818	17.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	150511	20.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168981	26.88	ug/l #	100
77) Bromobenzene	12.53	156	159002	19.69	ug/l	95
78) n-propylbenzene	12.59	91	680627	20.50	ug/l	99
79) 2-Chlorotoluene	12.67	91	415493	20.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	504876	21.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32929	17.71	ug/l	95
82) 4-Chlorotoluene	12.77	91	413215	20.24	ug/l	100
83) tert-Butylbenzene	12.99	119	428685	20.64	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	500209	20.74	ug/l	100
85) sec-Butylbenzene	13.17	105	563243	20.70	ug/l	99
86) p-Isopropyltoluene	13.29	119	485856	20.95	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266783	19.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251306	18.63	ug/l	99
89) n-Butylbenzene	13.62	91	352382	19.00	ug/l	98
90) Hexachloroethane	13.88	117	93756	21.32	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	253619	19.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18418	17.26	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
Data File : VN050980.D
Acq On : 31 Aug 2018 11:58
Operator : MD\SY
Sample : VN0831WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Quant Time: Aug 31 14:15:47 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91189	16.26	ug/l	100
94) Hexachlorobutadiene	15.01	225	82650	20.42	ug/l	99
95) Naphthalene	15.14	128	158415	15.25	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	95649	17.15	ug/l	100

(#) = 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: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

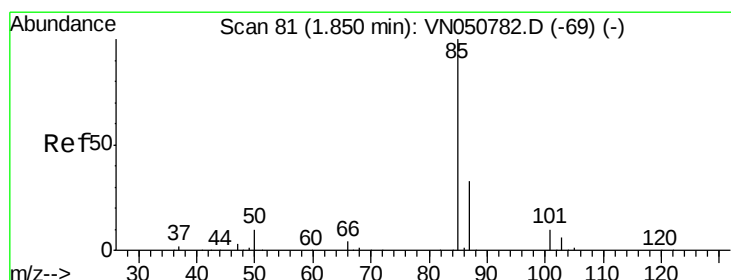
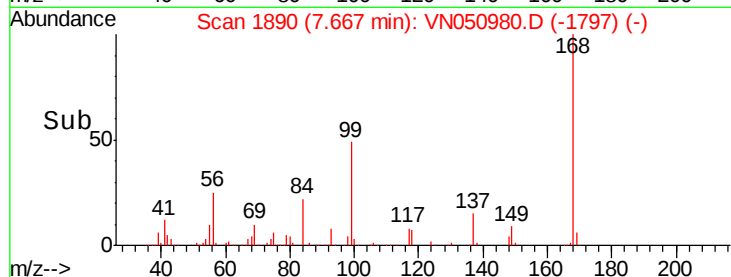
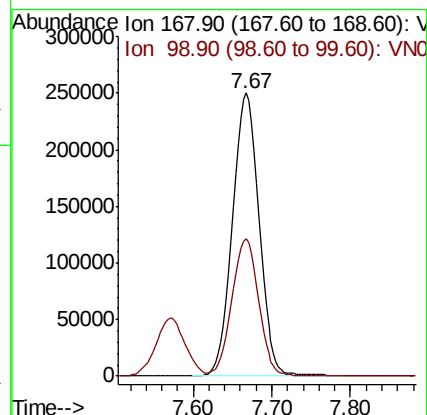
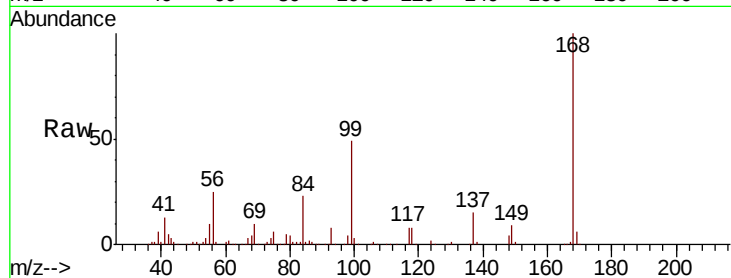
VN0831WBS01

Tot Ion:168 Resp: 588434

Ion Ratio Lower Upper

168 100

99 48.3 39.6 59.4



#2

Dichlorodifluoromethane

Concen: 18.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050980.D

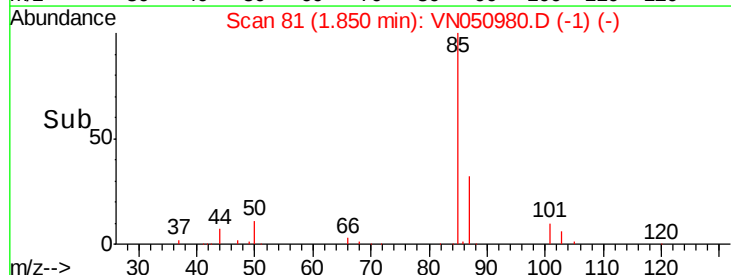
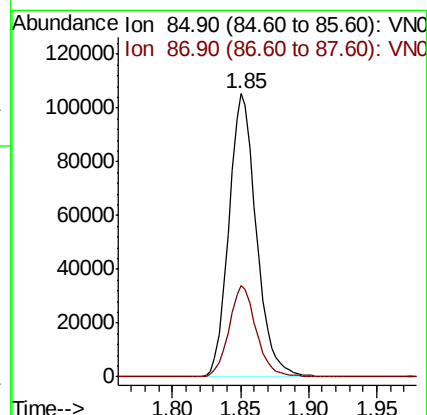
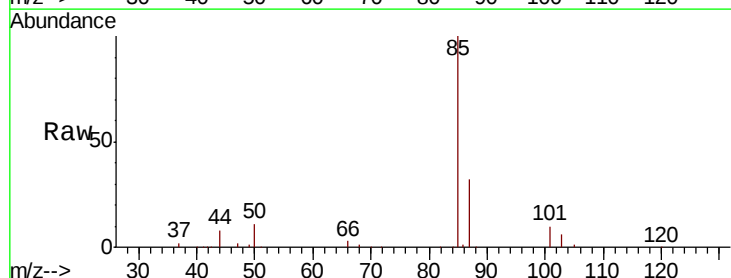
Acq: 31 Aug 2018 11:58

Tgt Ion: 85 Resp: 147190

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1





#3

Chloromethane

Concen: 16.80 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

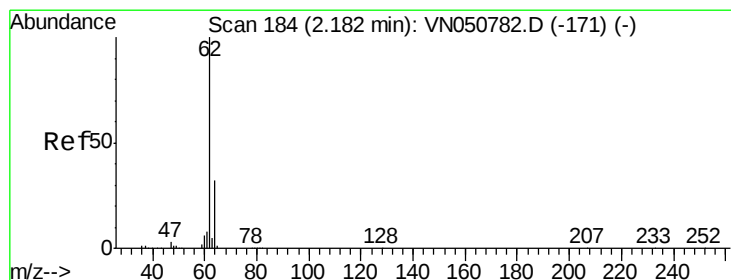
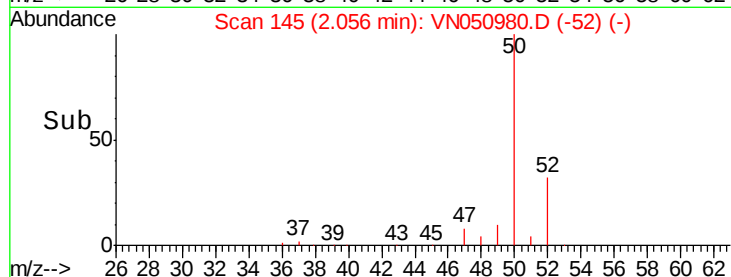
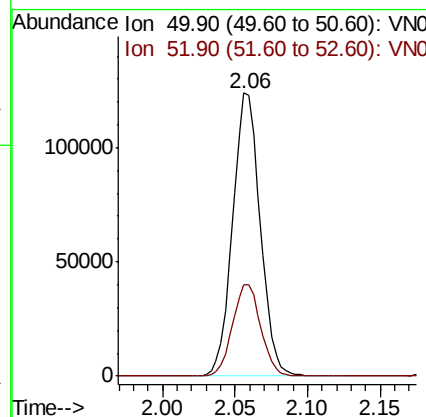
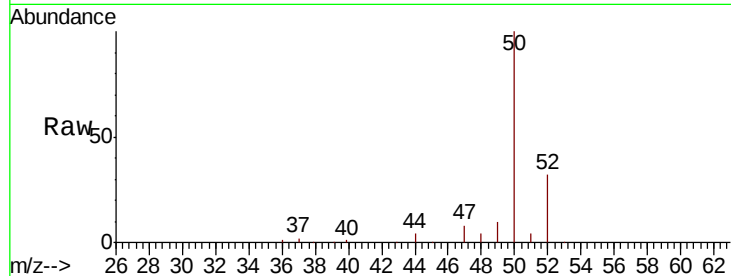
VN0831WBS01

Tot Ion: 50 Resp: 163197

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 17.83 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050980.D

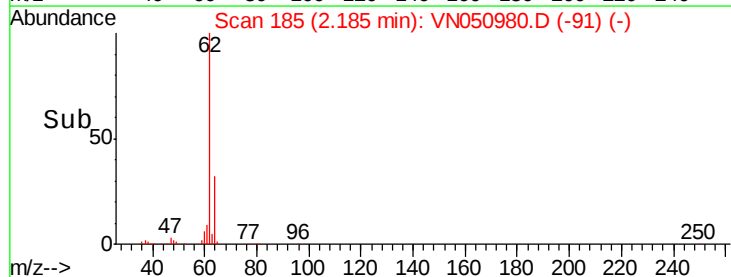
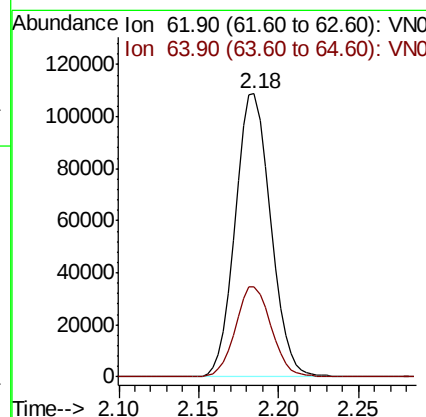
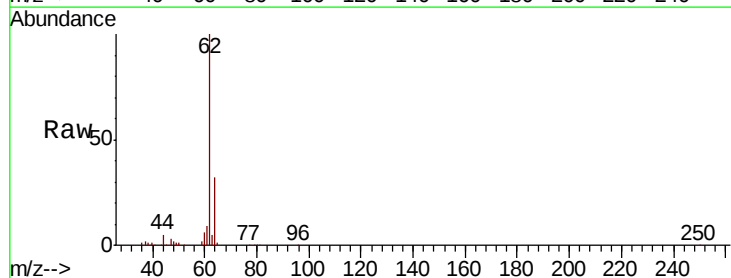
Acq: 31 Aug 2018 11:58

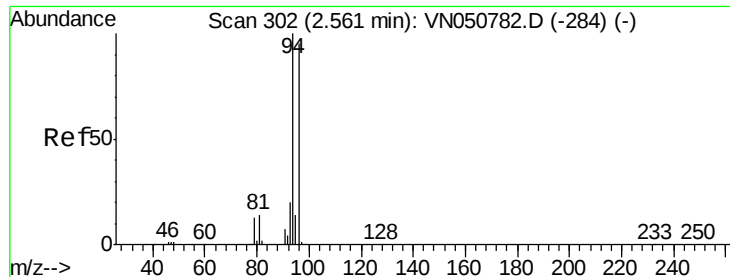
Tgt Ion: 62 Resp: 164090

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 17.67 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

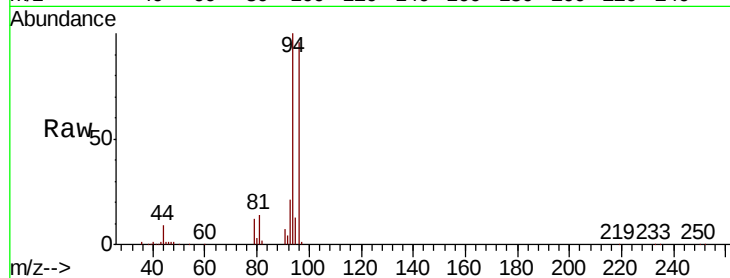
VN0831WBS01

Tot Ion: 94 Resp: 95991

Ion Ratio Lower Upper

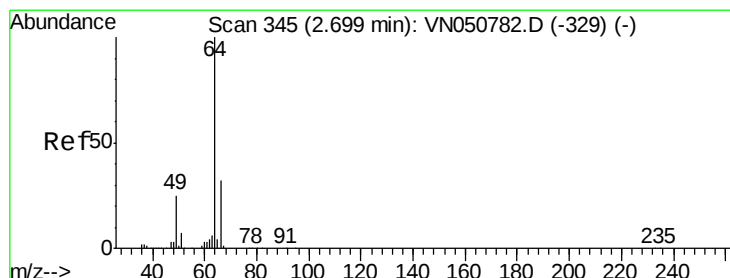
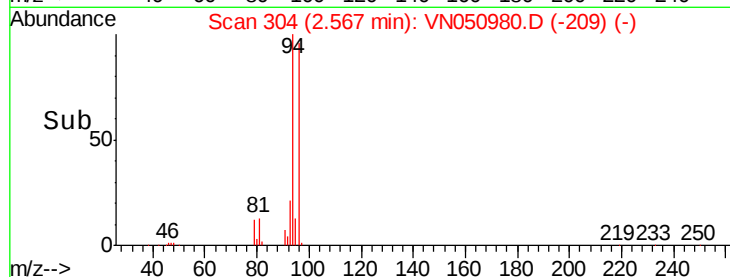
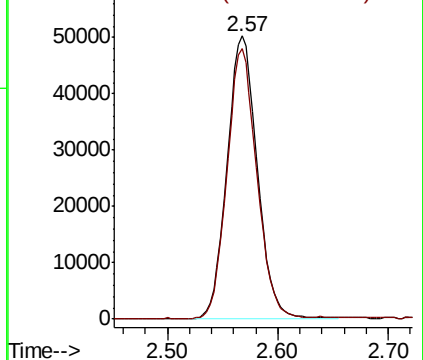
94 100

96 95.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.29 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050980.D

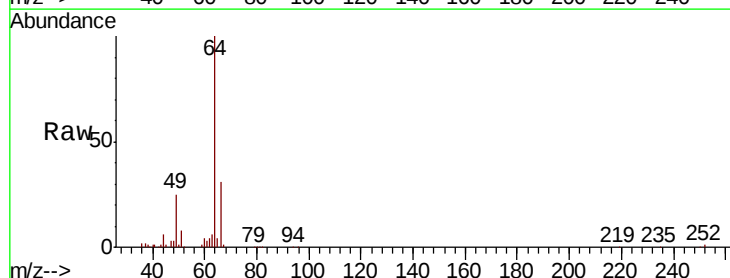
Acq: 31 Aug 2018 11:58

Tgt Ion: 64 Resp: 97236

Ion Ratio Lower Upper

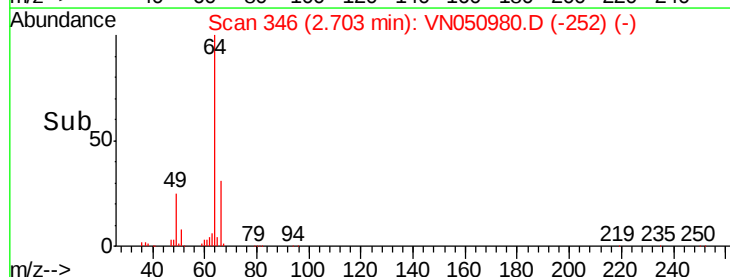
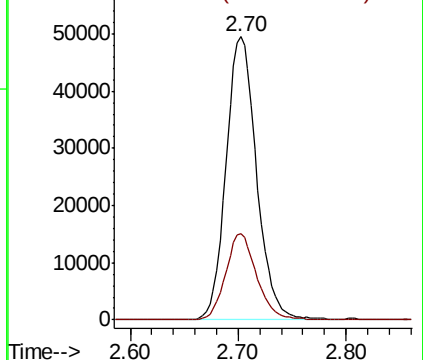
64 100

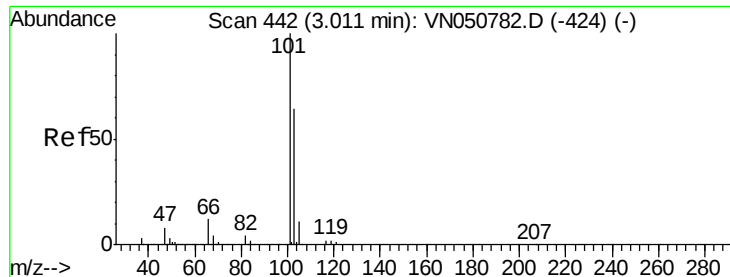
66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



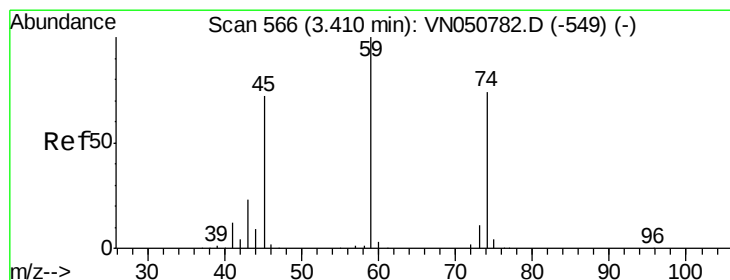
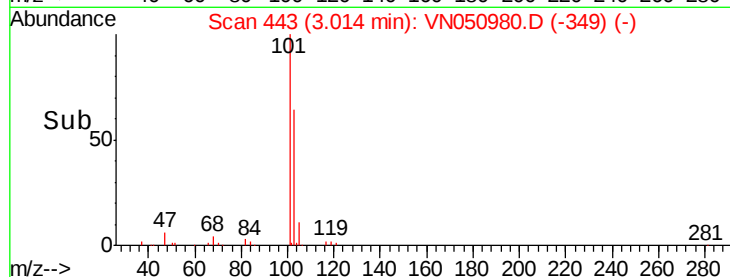
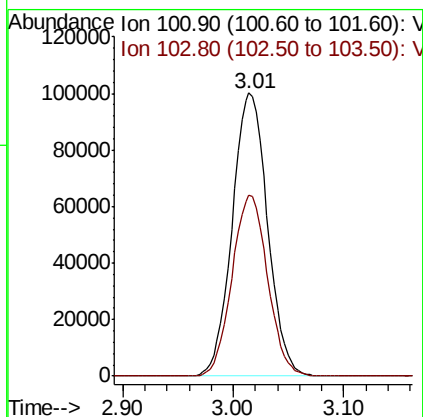
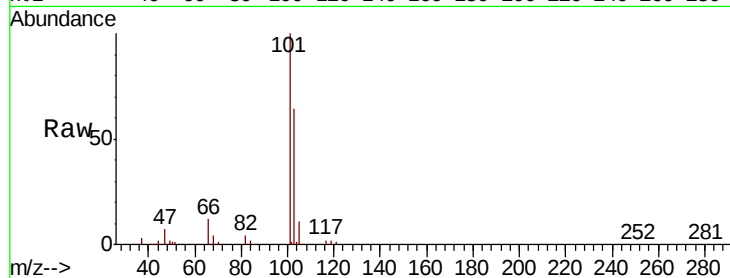


#7

Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

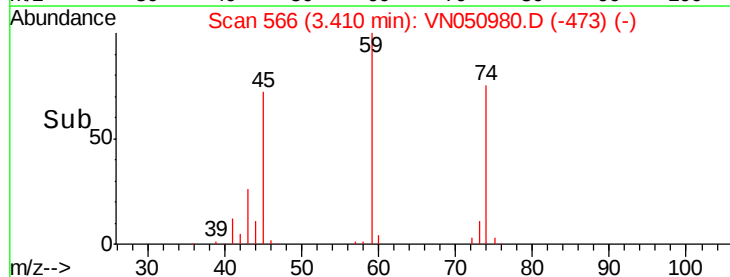
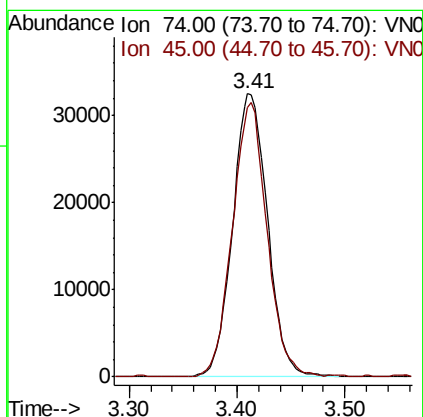
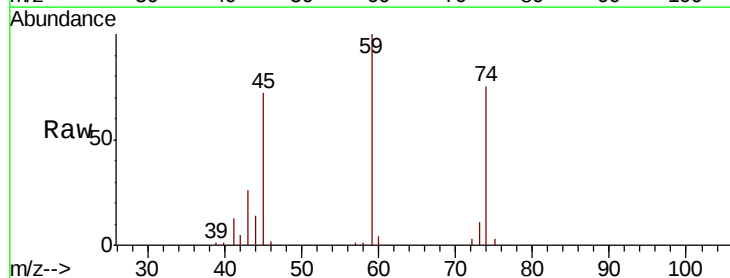
Tot Ion:101 Resp: 222213
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.6 77.4



#8

Diethyl Ether
 Concen: 18.30 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 74 Resp: 73307
 Ion Ratio Lower Upper
 74 100
 45 95.9 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

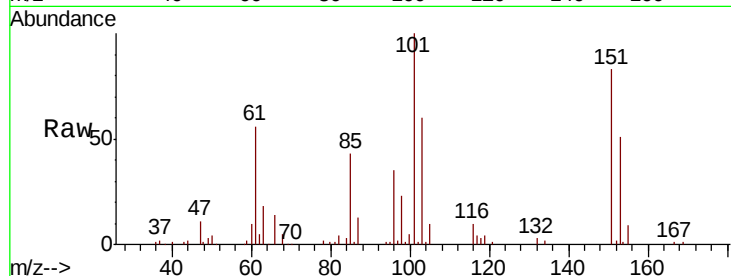
Tot Ion:101 Resp: 140479

Ion Ratio Lower Upper

101 100

85 43.0 33.7 50.5

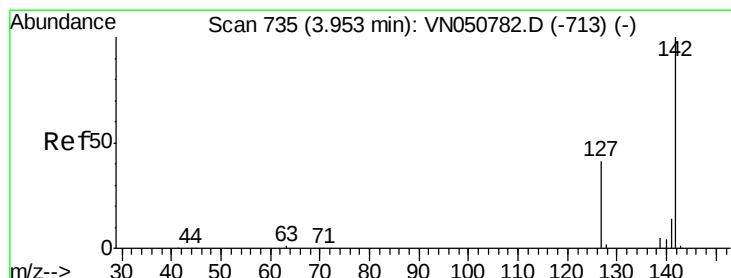
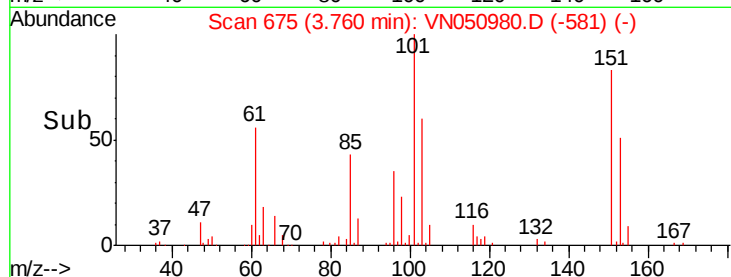
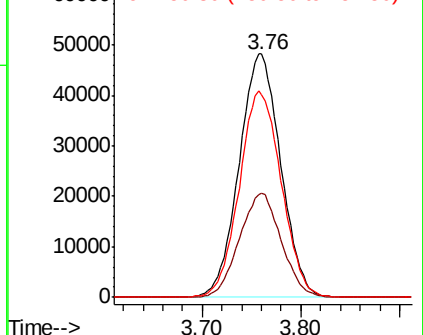
151 85.8 67.4 101.2



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: 20.09 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

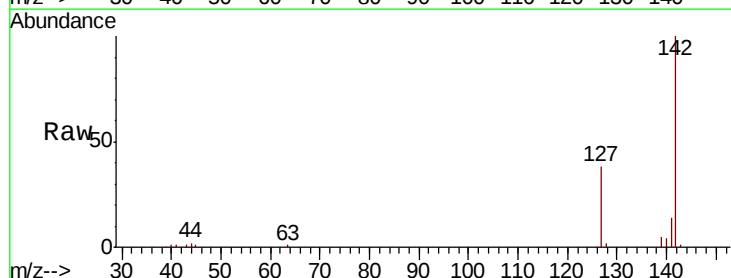
Tgt Ion:142 Resp: 101723

Ion Ratio Lower Upper

142 100

127 39.6 31.7 47.5

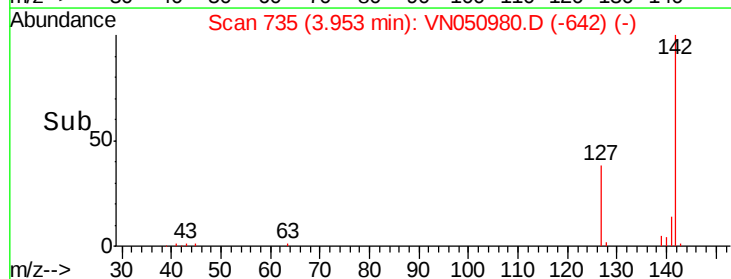
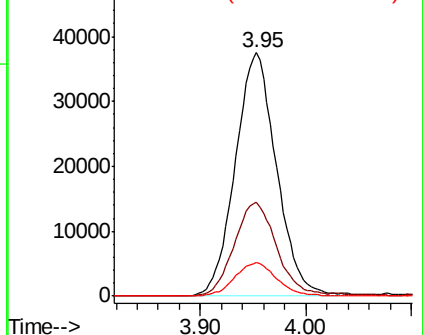
141 13.9 11.4 17.0

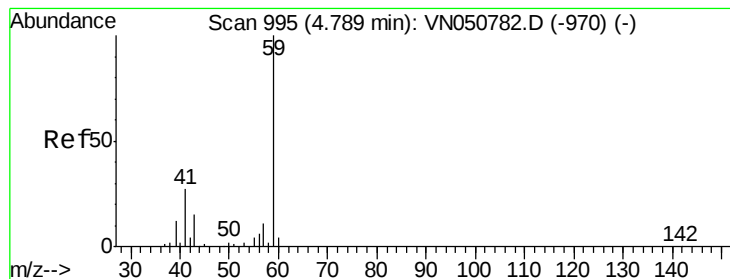


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 87.22 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

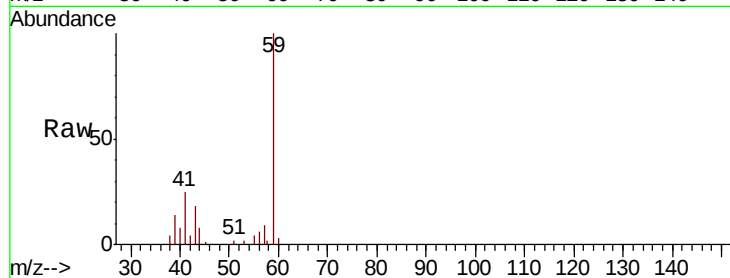
VN0831WBS01

Tot Ion: 59 Resp: 39345

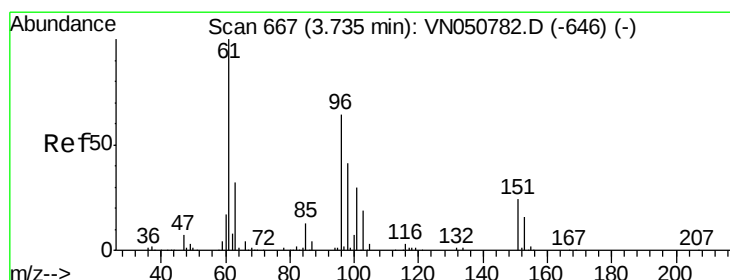
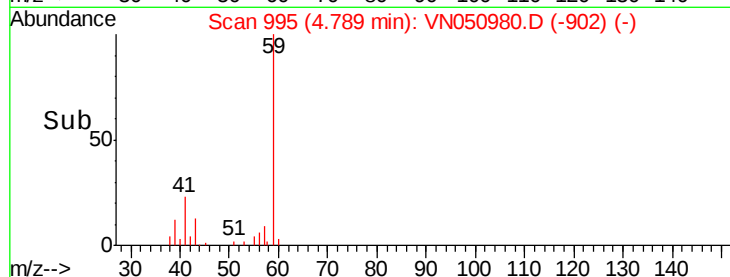
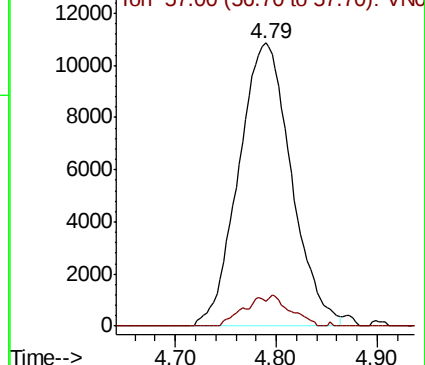
Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN050980.D (-902) (-)



#12

1,1-Dichloroethene

Concen: 18.14 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

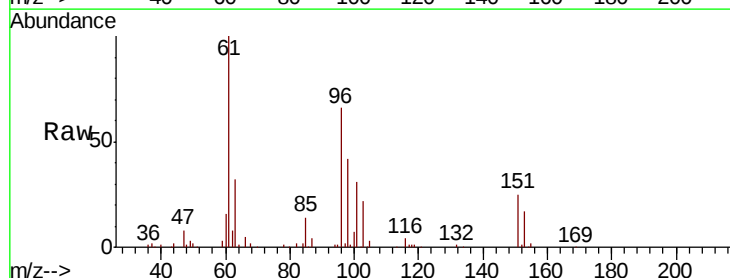
Tgt Ion: 96 Resp: 119893

Ion Ratio Lower Upper

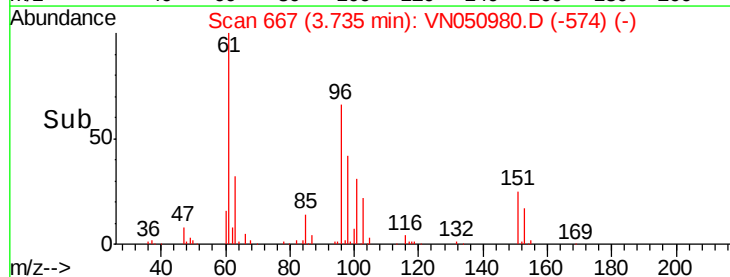
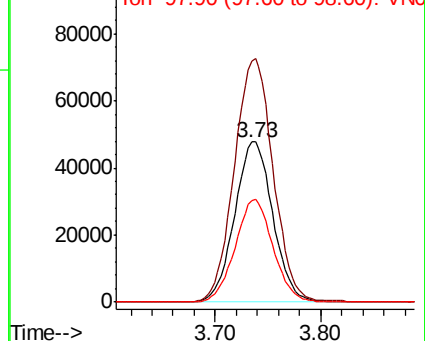
96 100

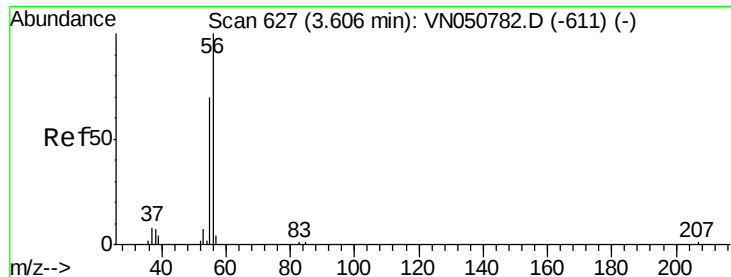
61 150.6 124.9 187.3

98 63.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN050980.D (-574) (-)





#13

Acrolein

Concen: 62.47 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

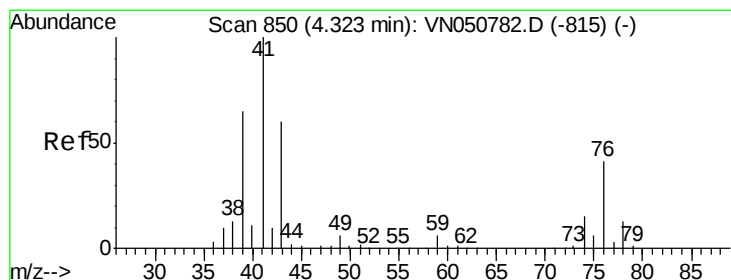
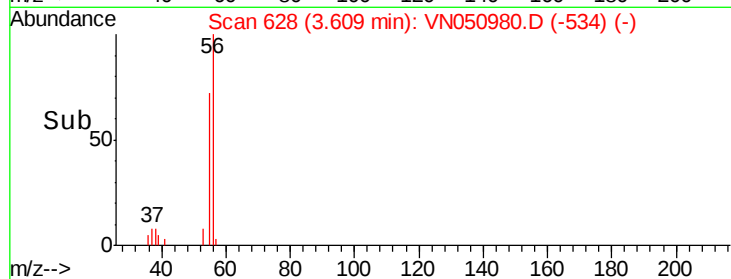
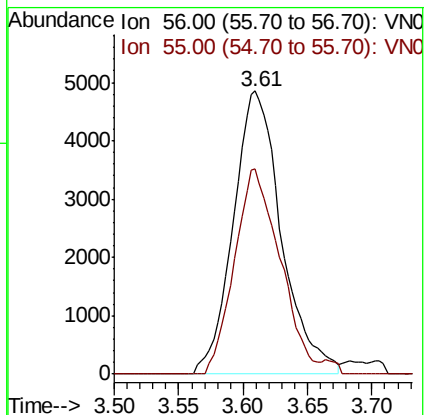
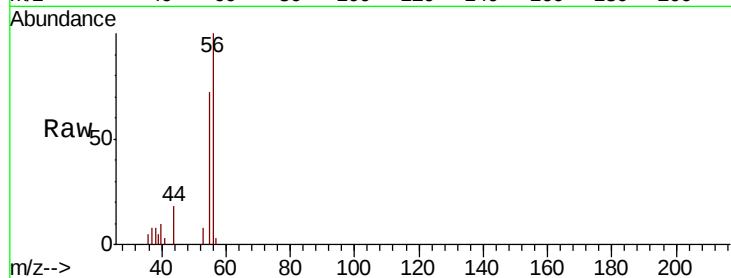
VN0831WBS01

Tot Ion: 56 Resp: 12644

Ion Ratio Lower Upper

56 100

55 68.3 57.7 86.5



#14

Allyl chloride

Concen: 18.05 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

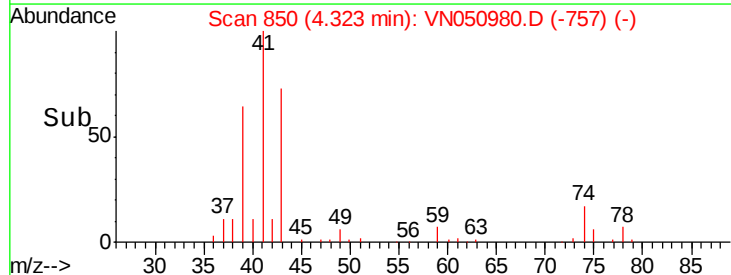
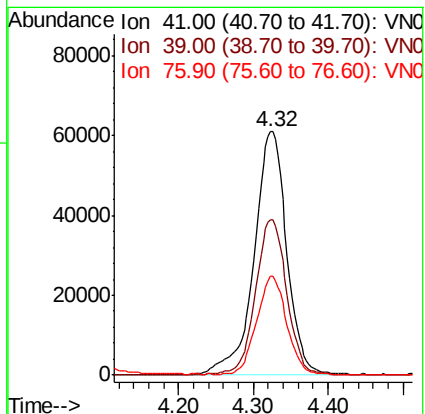
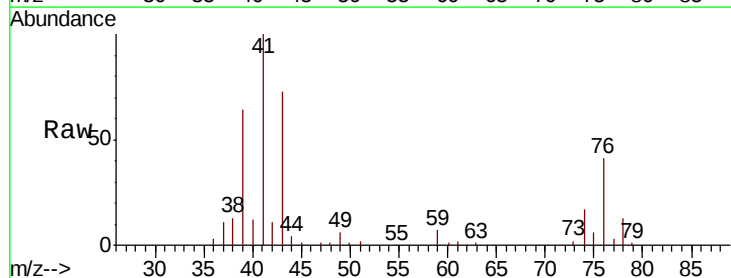
Tgt Ion: 41 Resp: 185902

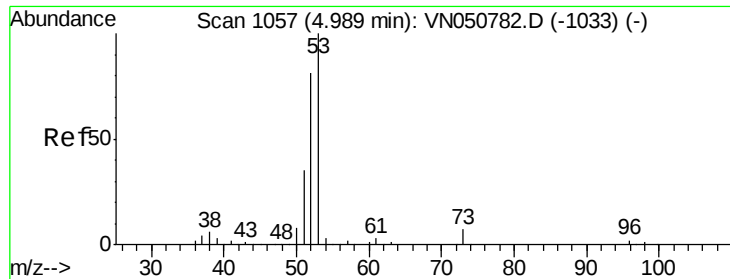
Ion Ratio Lower Upper

41 100

39 61.0 50.2 75.2

76 37.6 29.8 44.8

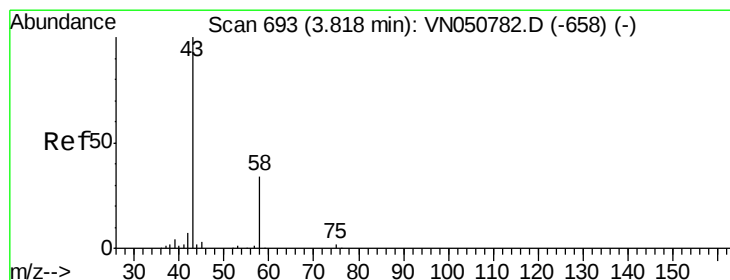
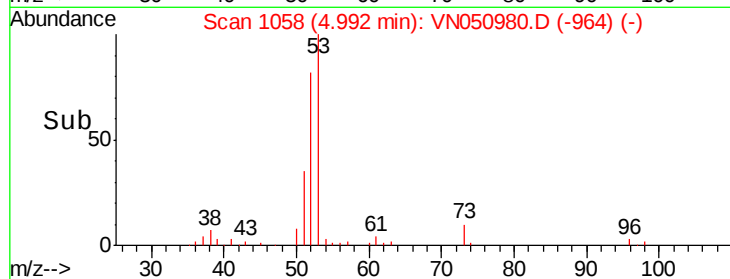
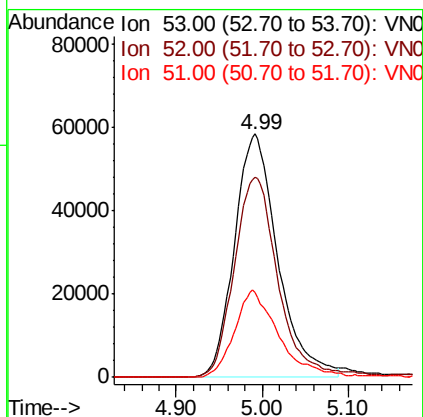
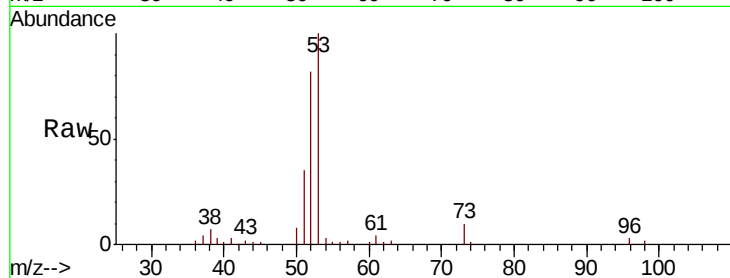




#15
 Acrylonitrile
 Concen: 89.34 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

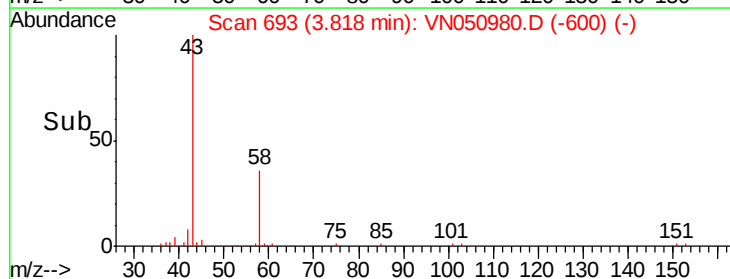
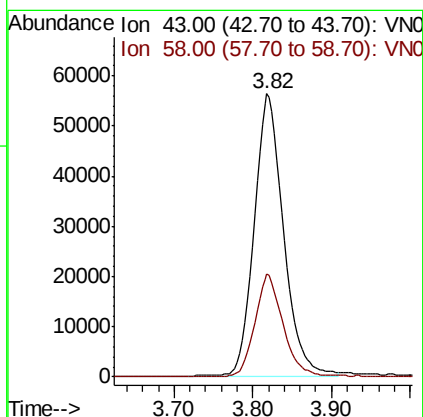
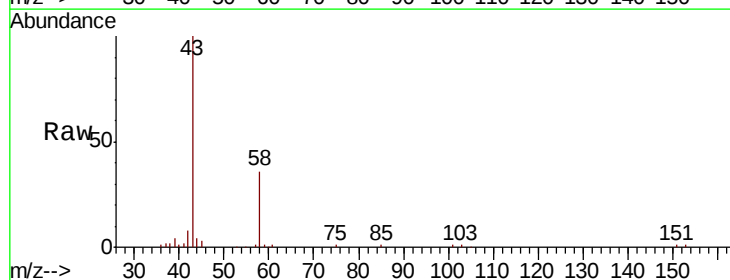
Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBS01

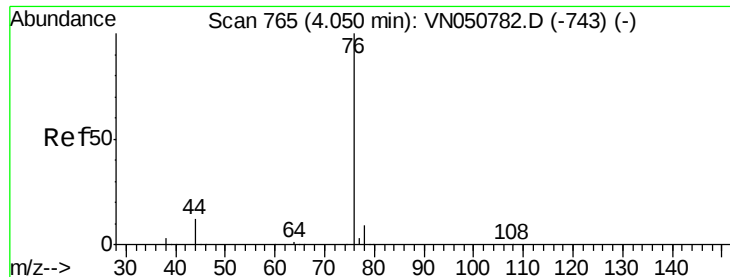
Tot Ion	53	Resp	204802
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.9	98.9
51	36.4	28.6	43.0



#16
 Acetone
 Concen: 85.20 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	43	Resp	150729
Ion	Ratio	Lower	Upper
43	100		
58	36.3	27.2	40.8





#17

Carbon Disulfide

Concen: 15.91 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

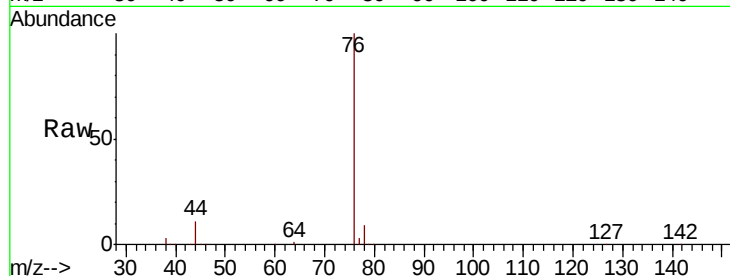
VN0831WBS01

Tot Ion: 76 Resp: 352402

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050980.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050980.D (-743) (-)

4.05

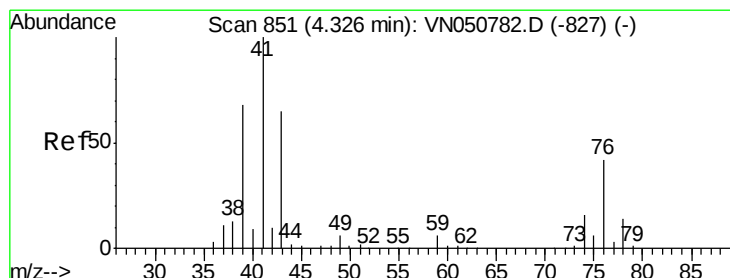
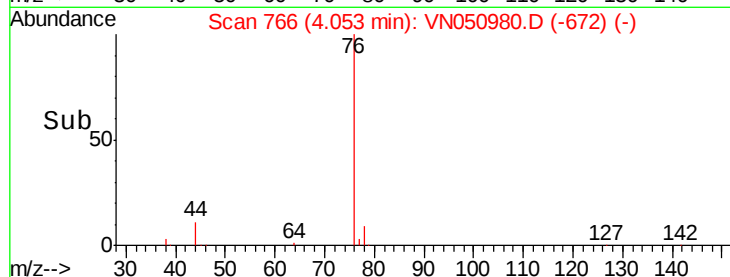
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.95 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050980.D

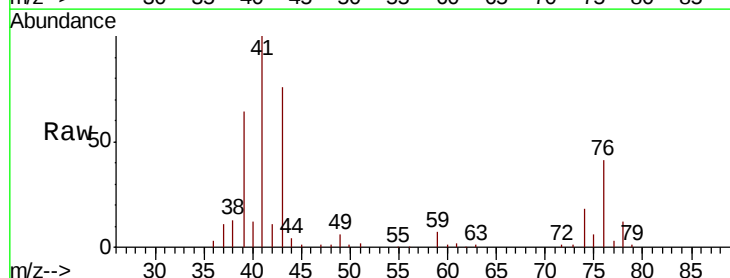
Acq: 31 Aug 2018 11:58

Tgt Ion: 43 Resp: 133465

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050980.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050980.D (-758) (-)

4.33

50000

40000

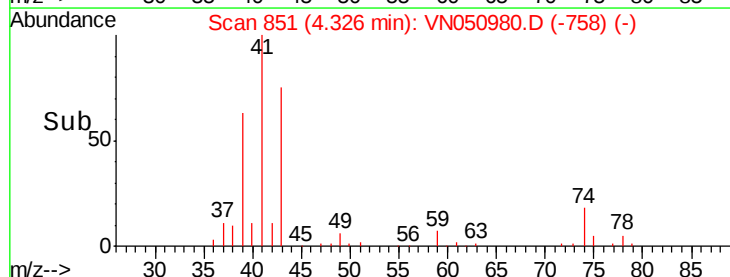
30000

20000

10000

0

Time-->

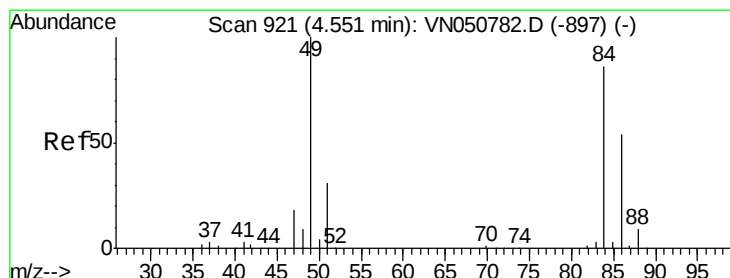
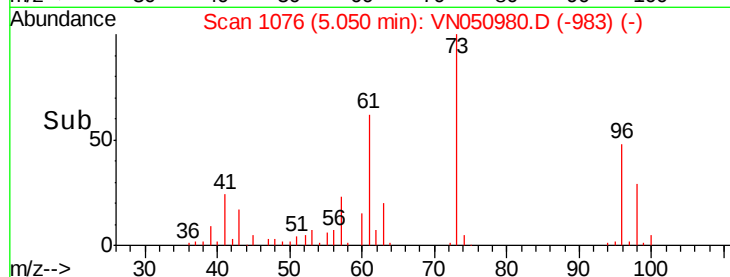
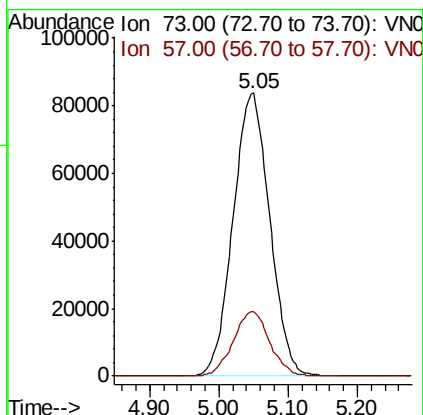
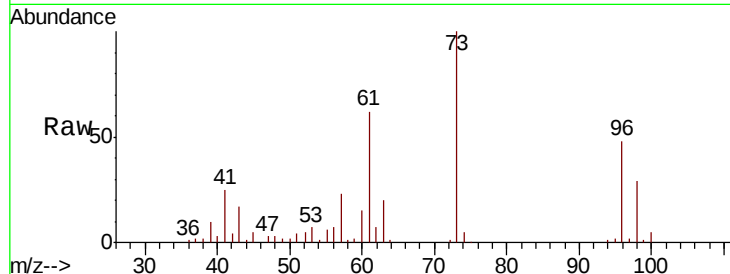




#19
Methyl tert-butyl Ether
Concen: 18.56 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

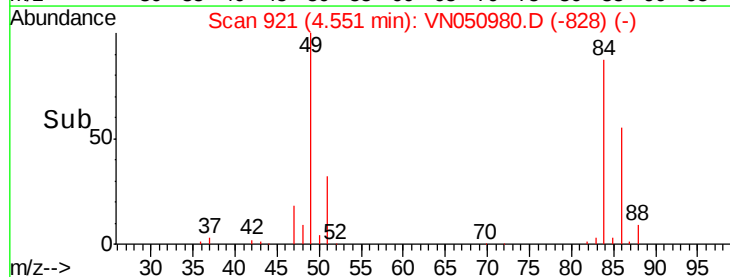
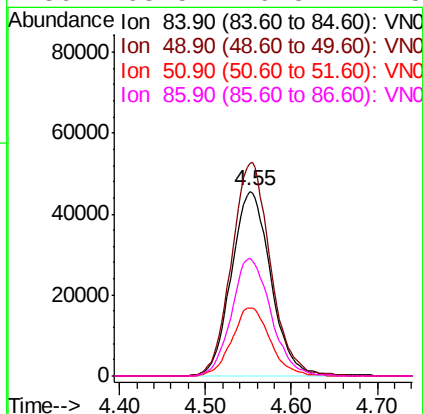
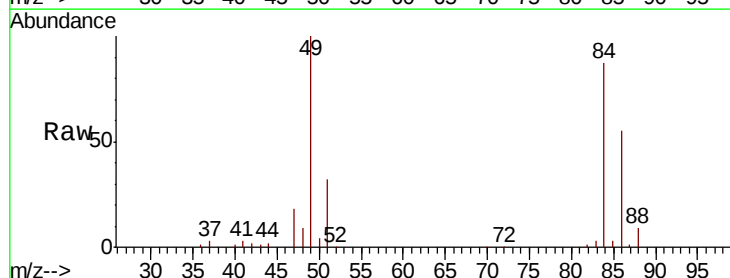
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

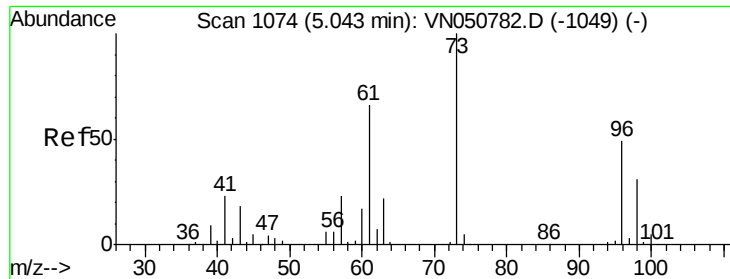
Tot Ion: 73 Resp: 308571
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8



#20
Methylene Chloride
Concen: 18.14 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion: 84 Resp: 144864
Ion Ratio Lower Upper
84 100
49 115.4 93.2 139.8
51 36.5 29.0 43.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.11 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

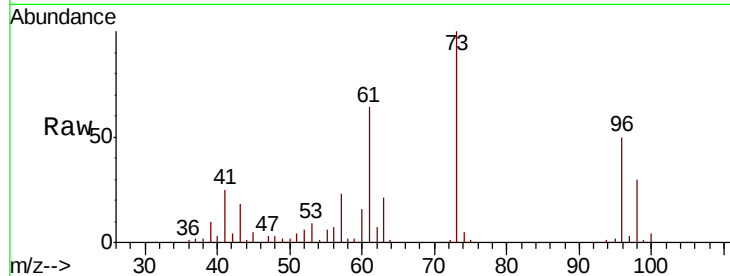
Tot Ion: 96 Resp: 129431

Ion Ratio Lower Upper

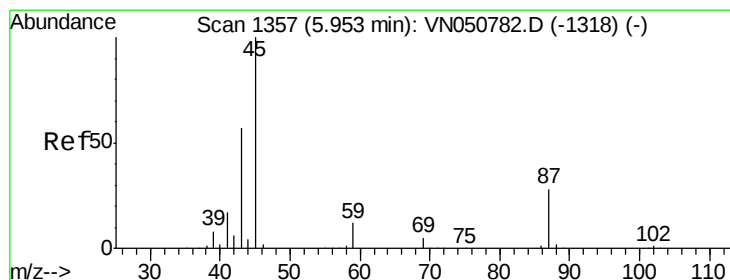
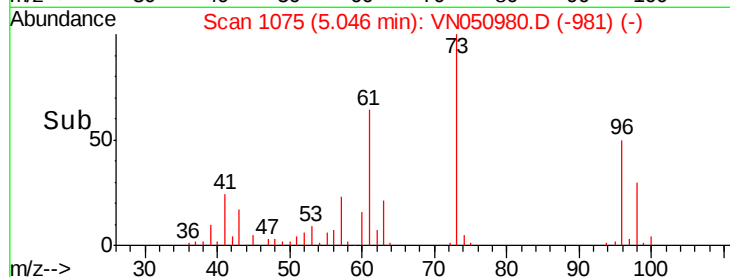
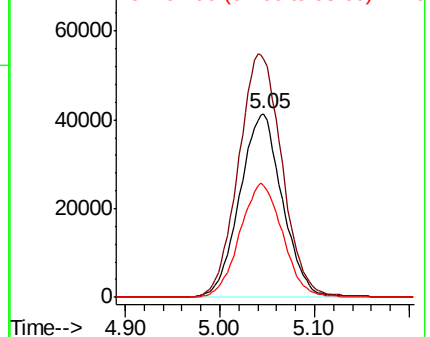
96 100

61 129.9 107.4 161.0

98 61.1 50.7 76.1



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



#22

Diisopropyl ether

Concen: 19.30 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion: 45 Resp: 396199

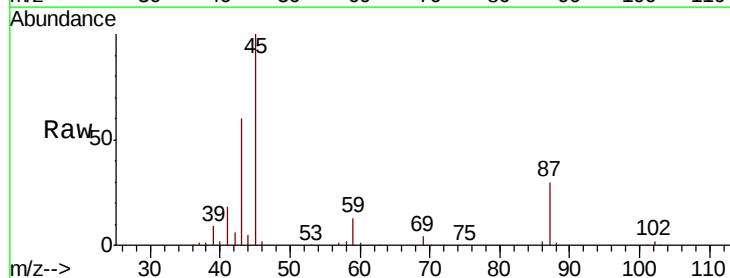
Ion Ratio Lower Upper

45 100

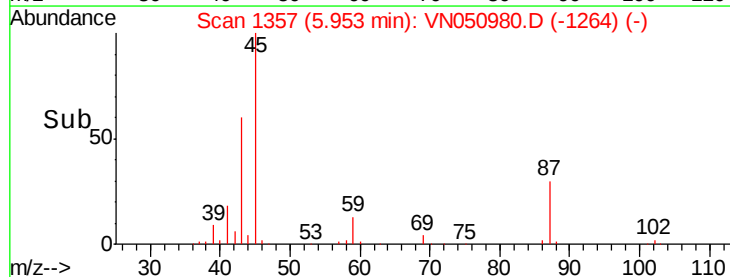
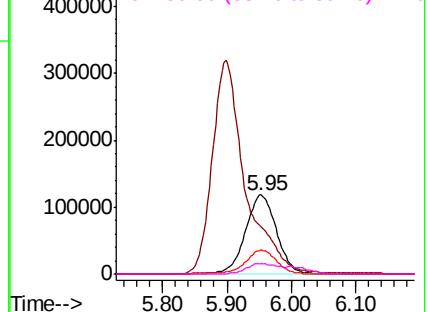
43 58.6 45.9 68.9

87 30.1 22.7 34.1

59 12.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

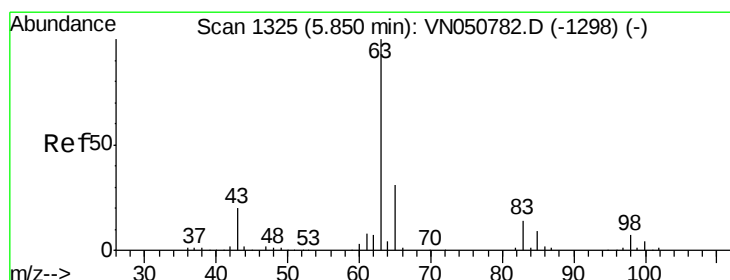
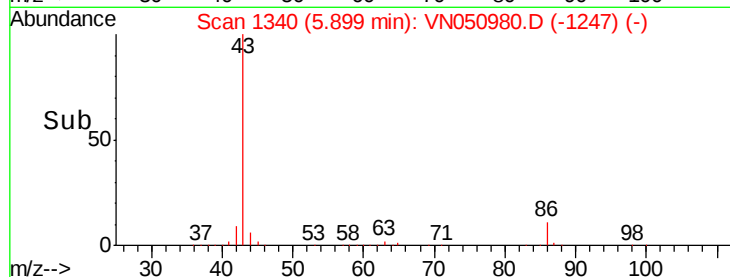
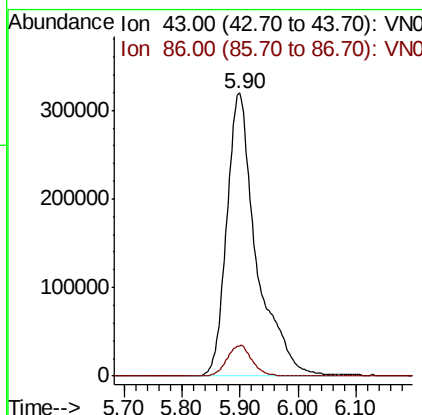
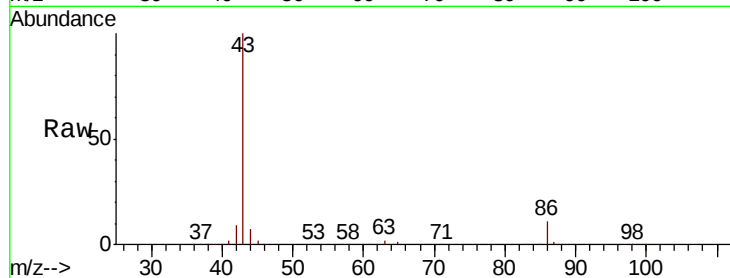




#23
 Vinyl Acetate
 Concen: 86.06 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

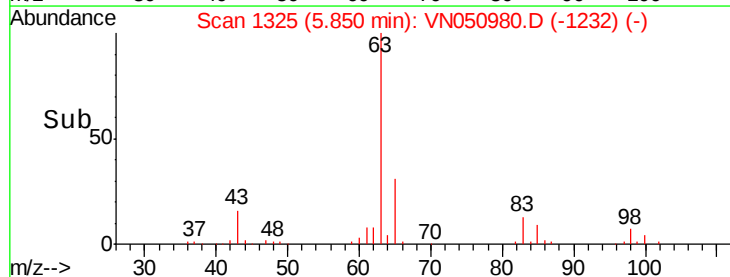
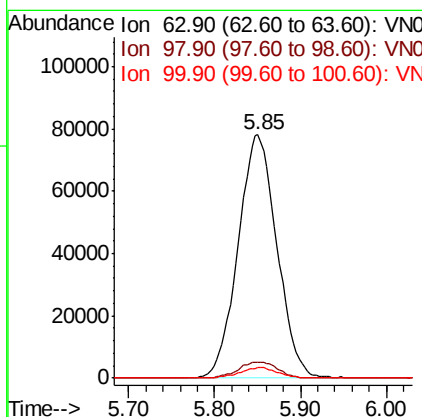
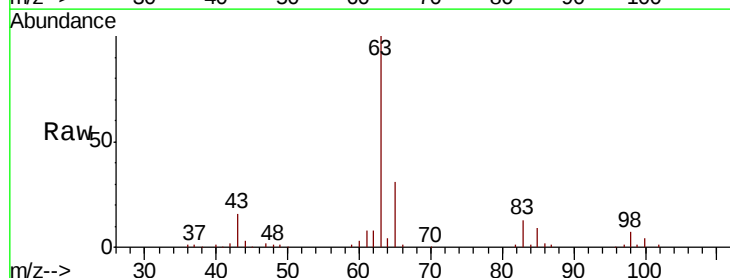
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 43 Resp: 1137465
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 18.58 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 63 Resp: 244832
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.3 2.1 6.5

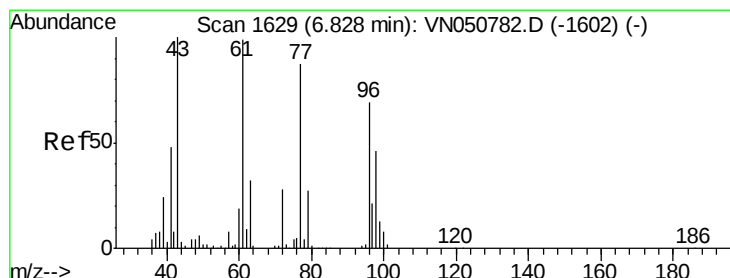
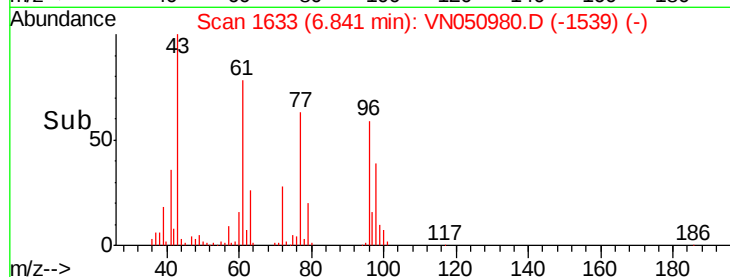
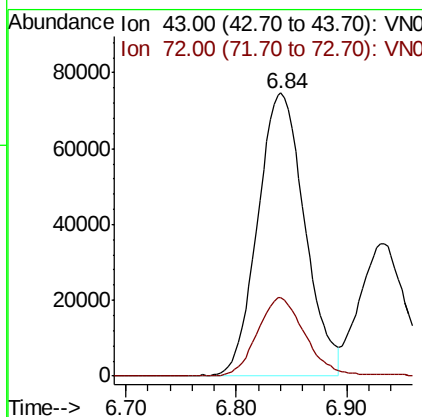
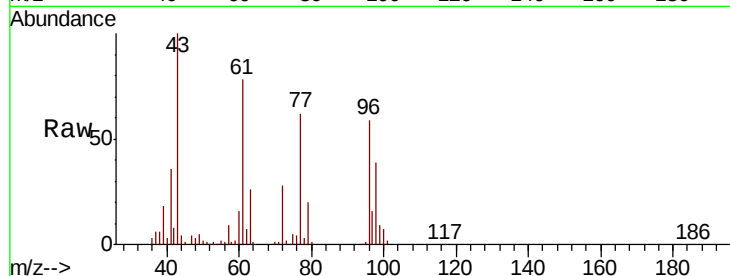




#25
 2-Butanone
 Concen: 76.99 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

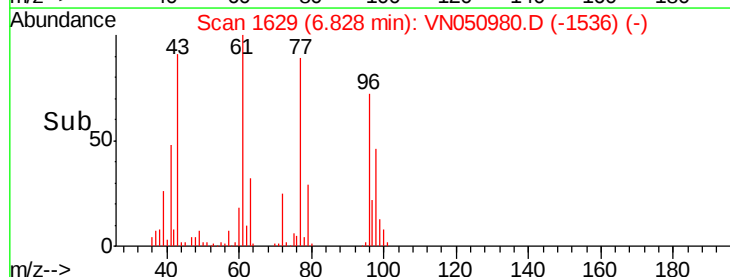
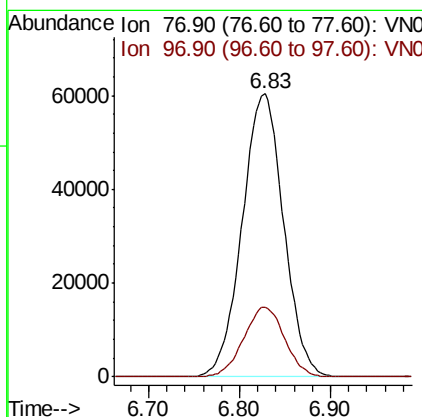
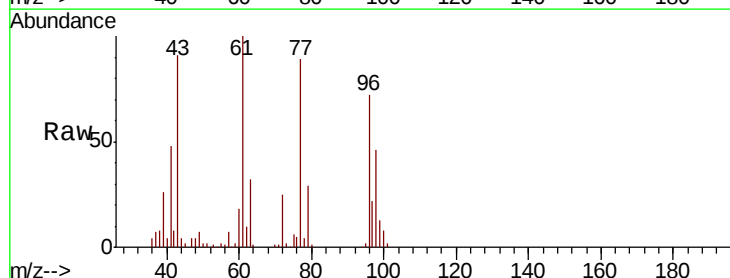
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

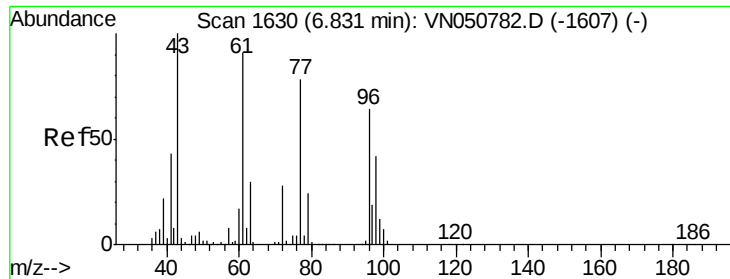
Tot Ion: 43 Resp: 219775
 Ion Ratio Lower Upper
 43 100
 72 27.7 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 18.00 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 77 Resp: 190536
 Ion Ratio Lower Upper
 77 100
 97 24.4 12.0 36.0

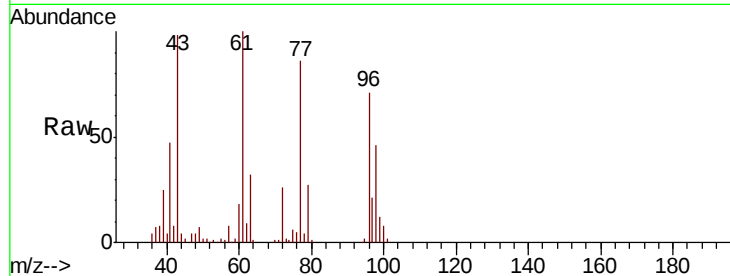




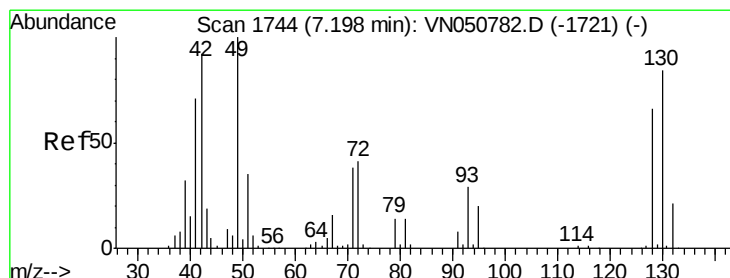
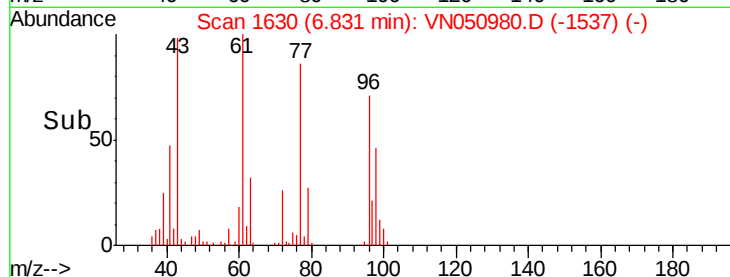
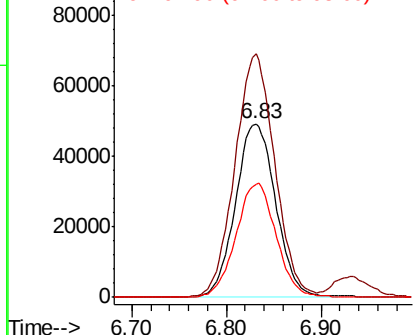
#27
 cis-1,2-Dichloroethene
 Concen: 18.84 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 96 Resp: 145179
 Ion Ratio Lower Upper
 96 100
 61 139.1 0.0 283.4
 98 65.6 0.0 129.8

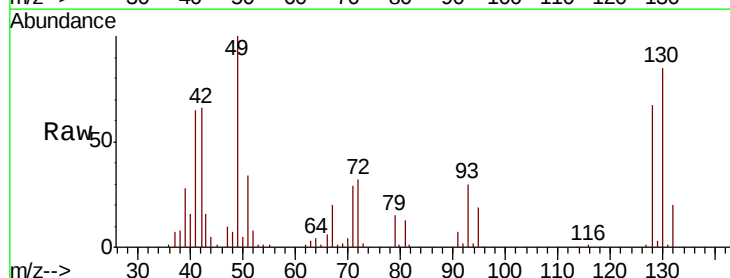


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

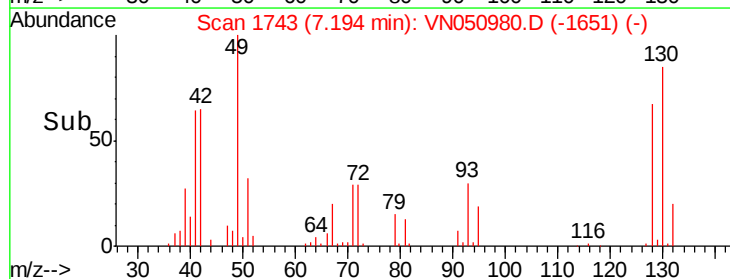
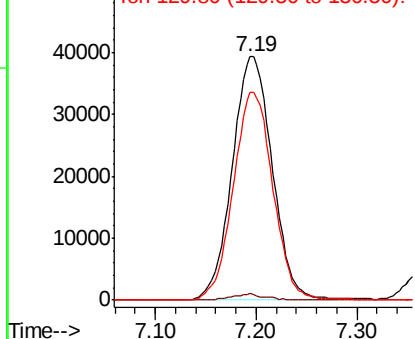


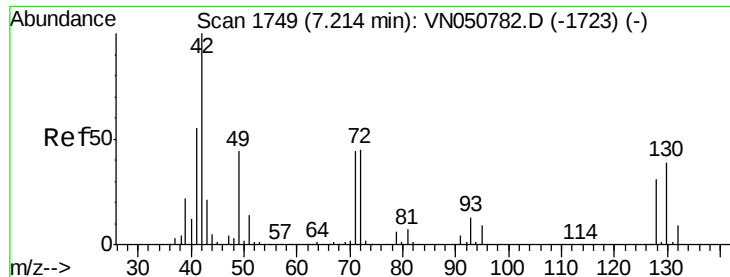
#28
 Bromochloromethane
 Concen: 19.32 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 49 Resp: 108150
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 84.4 67.1 100.7



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: 89.67 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

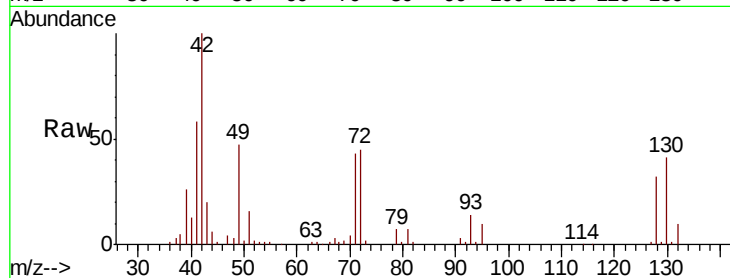
Tot Ion: 42 Resp: 146770

Ion Ratio Lower Upper

42 100

72 45.5 35.5 53.3

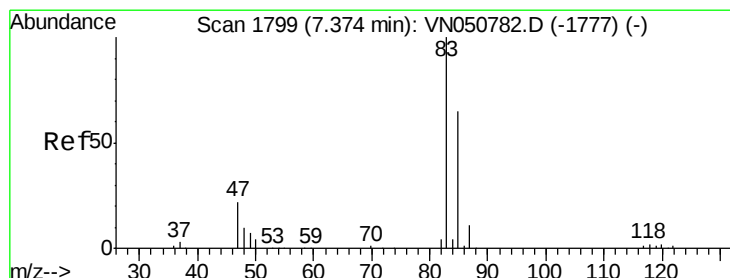
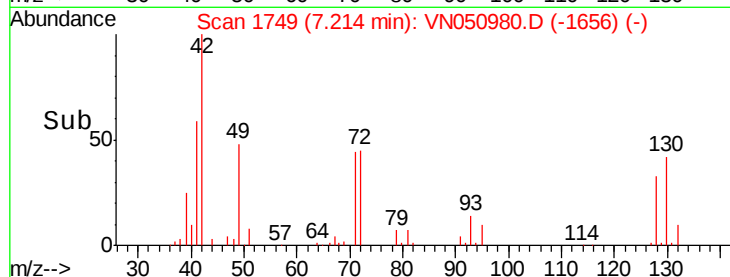
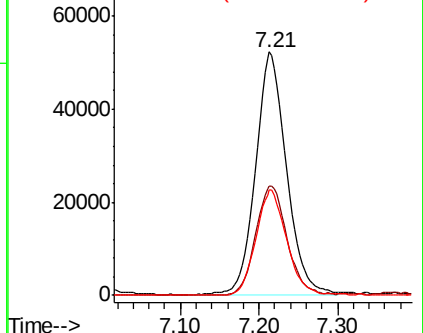
71 43.0 33.7 50.5



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: 18.99 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050980.D

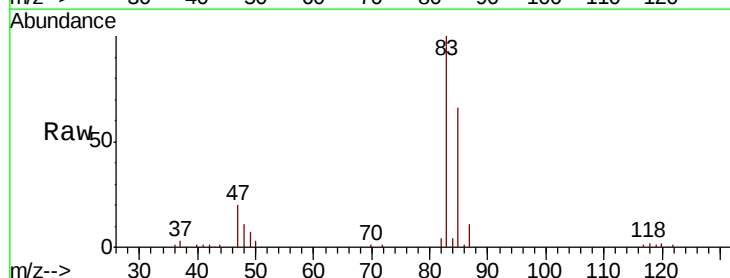
Acq: 31 Aug 2018 11:58

Tgt Ion: 83 Resp: 247723

Ion Ratio Lower Upper

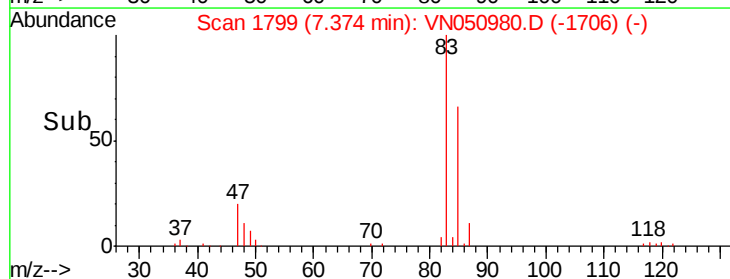
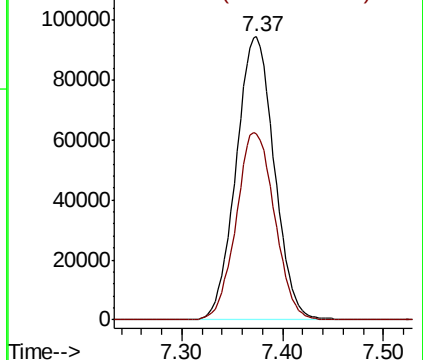
83 100

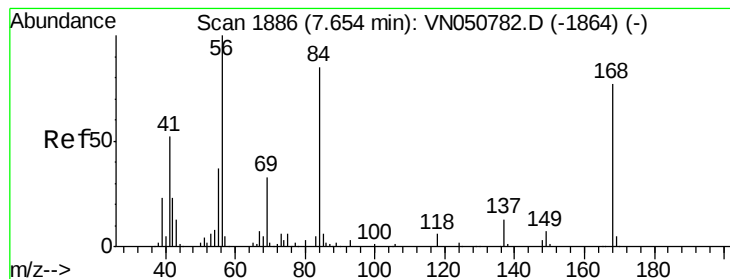
85 65.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.84 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

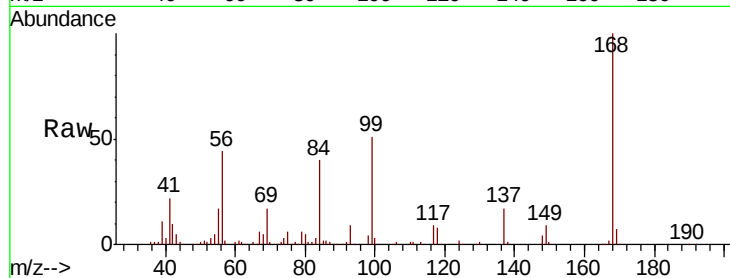
Tot Ion: 56 Resp: 210078

Ion Ratio Lower Upper

56 100

69 38.9 26.2 39.4

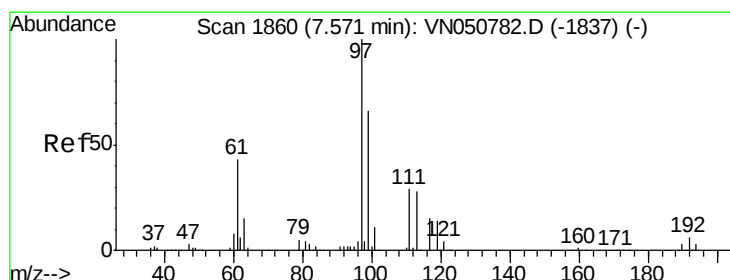
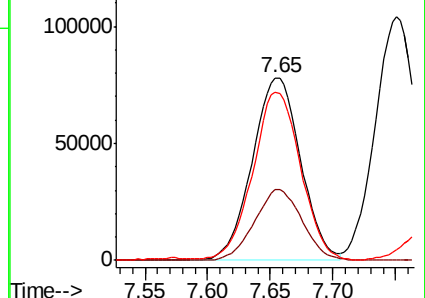
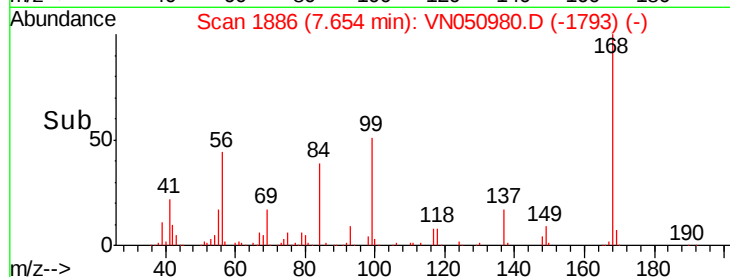
84 91.1 68.3 102.5



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: 18.91 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

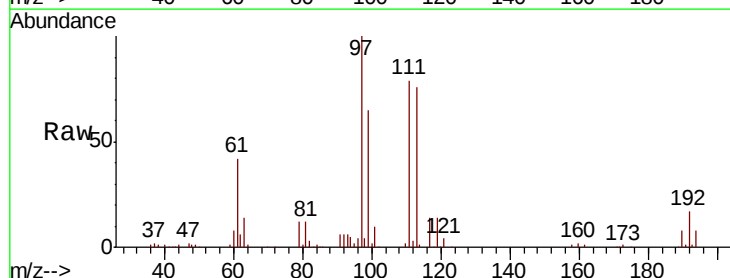
Tgt Ion: 97 Resp: 211923

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

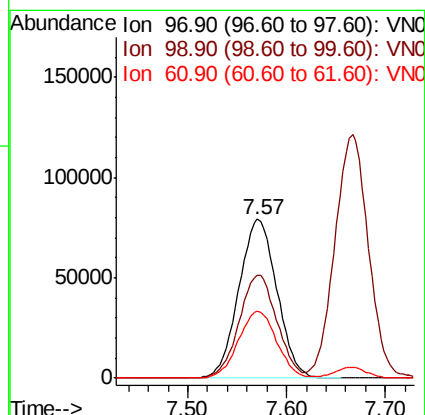
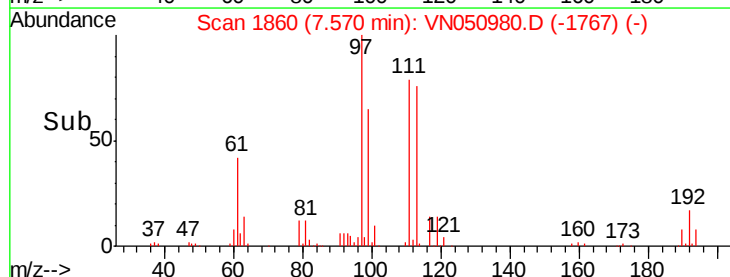
61 42.2 34.9 52.3



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

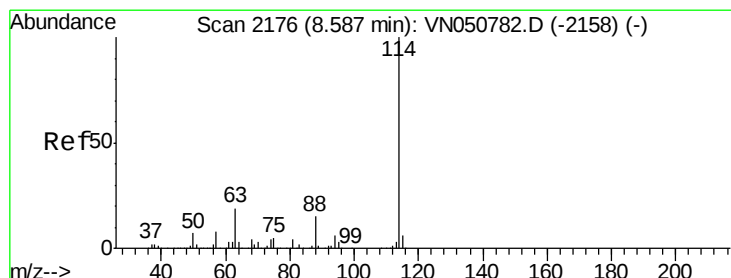
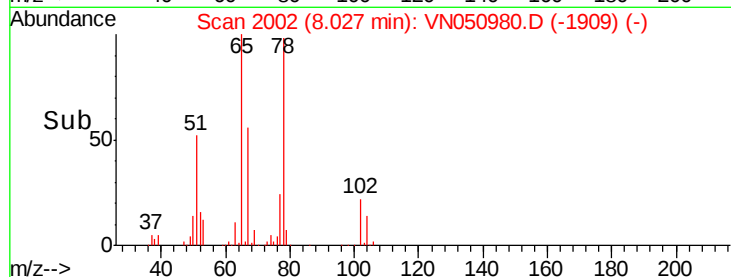
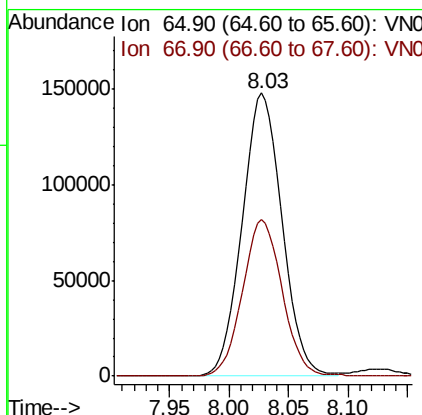
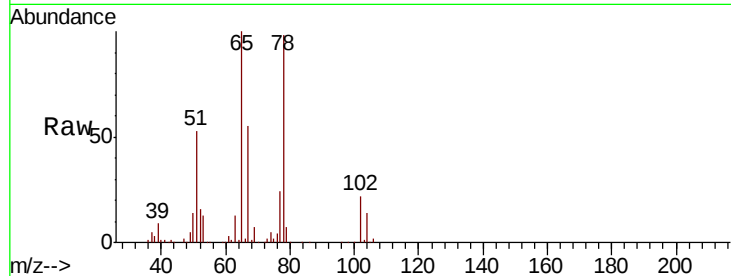




#33
 1,2-Dichloroethane-d4
 Concen: 48.53 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

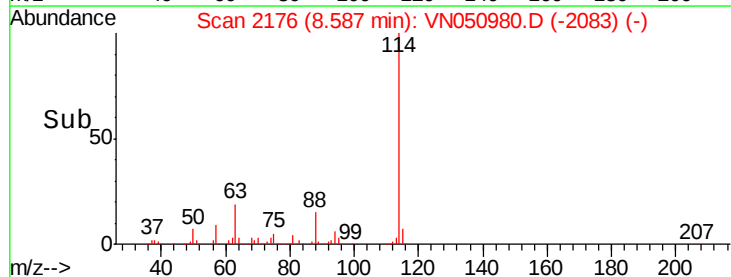
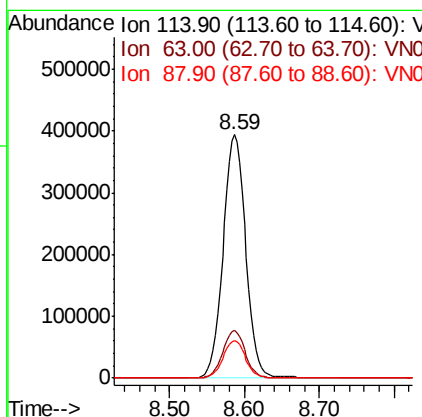
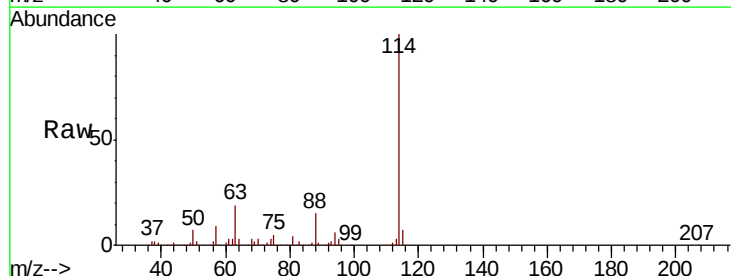
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 65 Resp: 343781
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 114 Resp: 822117
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.4 0.0 30.6

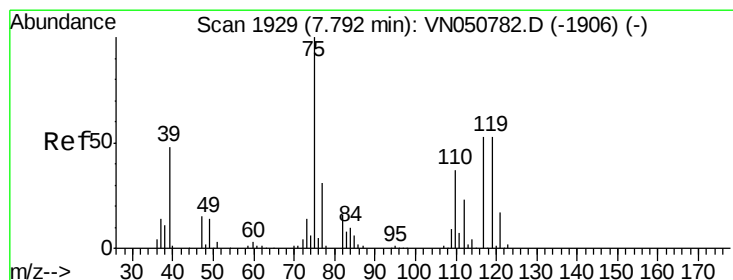
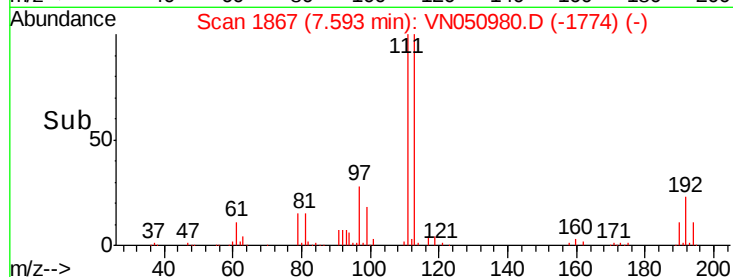
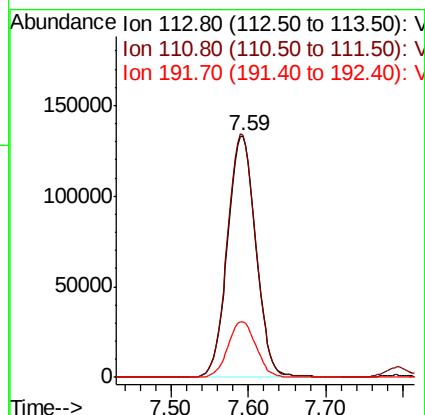
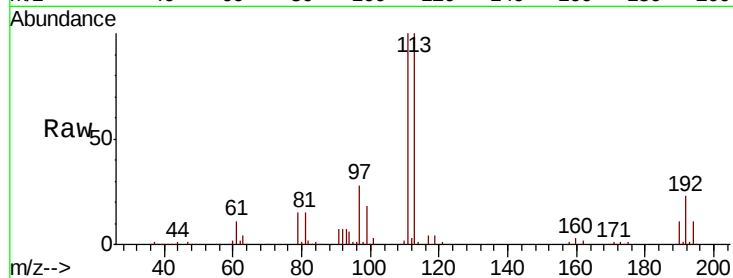




#35
 Dibromofluoromethane
 Concen: 51.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

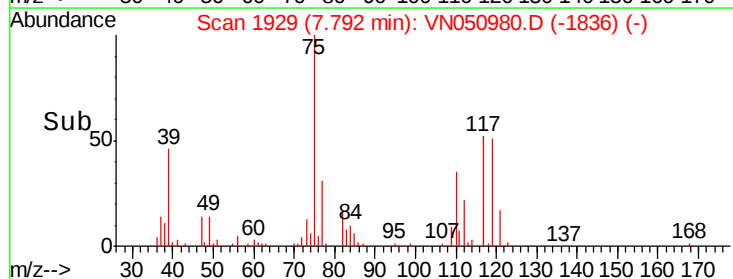
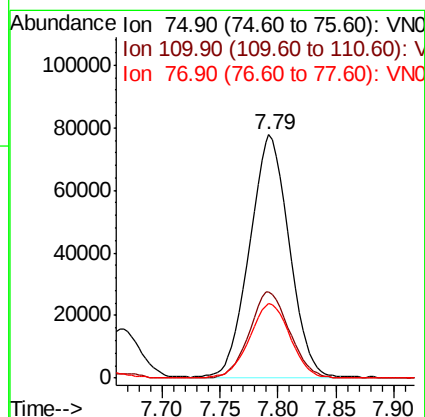
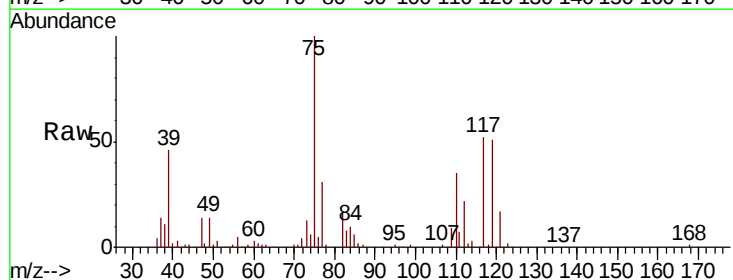
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

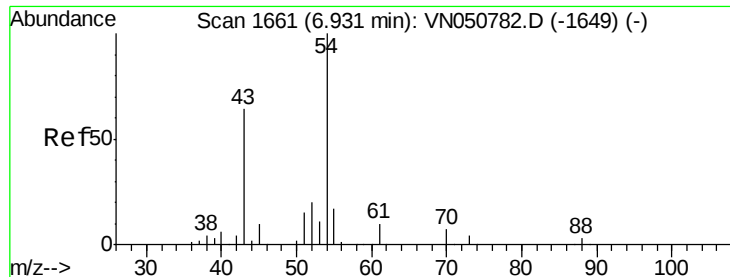
Tot Ion:113 Resp: 337406
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.6 123.8
 192 22.8 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.96 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 75 Resp: 183917
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.1 54.4
 77 31.9 24.8 37.2

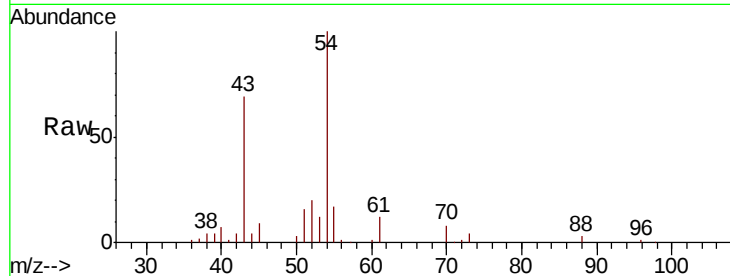




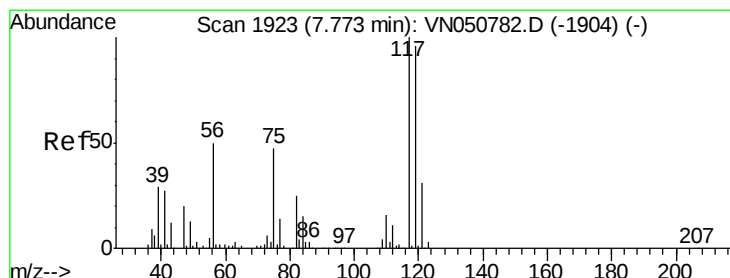
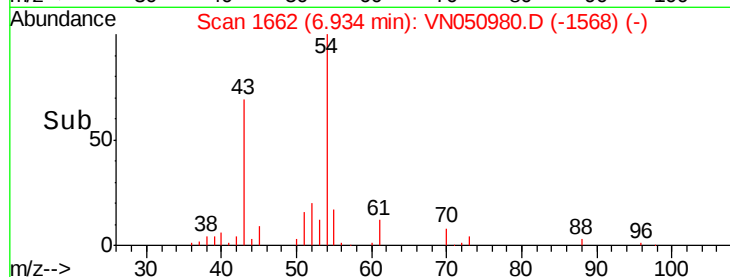
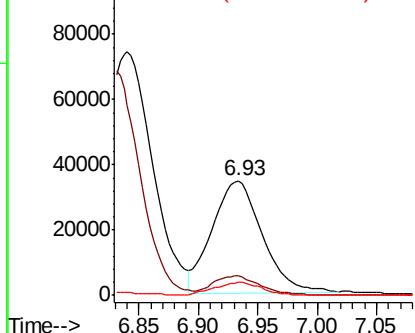
#37
Ethyl Acetate
Concen: 17.96 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS01

Tot Ion: 43 Resp: 100095
Ion Ratio Lower Upper
43 100
61 16.0 12.0 18.0
70 10.9 8.6 13.0

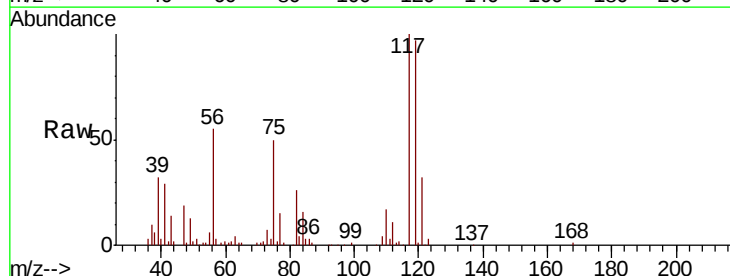


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

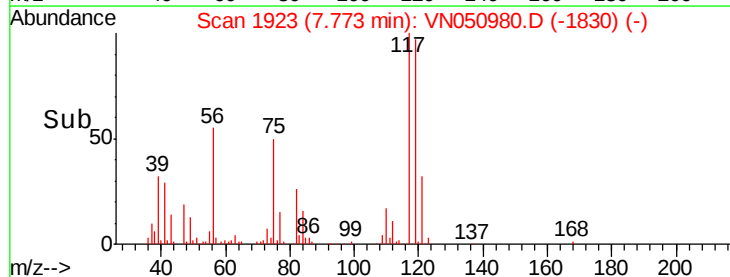
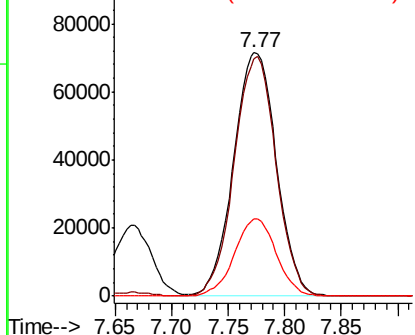


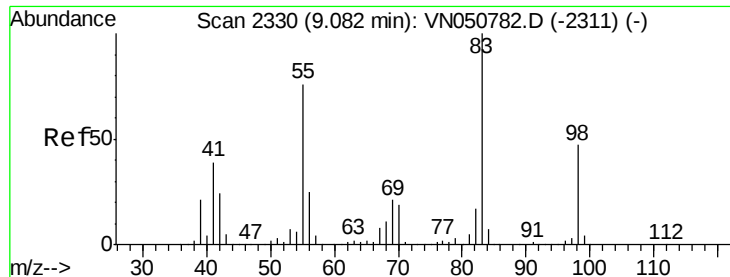
#38
Carbon Tetrachloride
Concen: 19.22 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion: 117 Resp: 188503
Ion Ratio Lower Upper
117 100
119 97.0 76.3 114.5
121 31.6 24.6 36.8



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

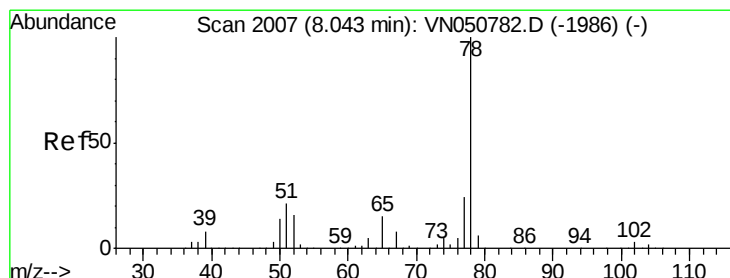
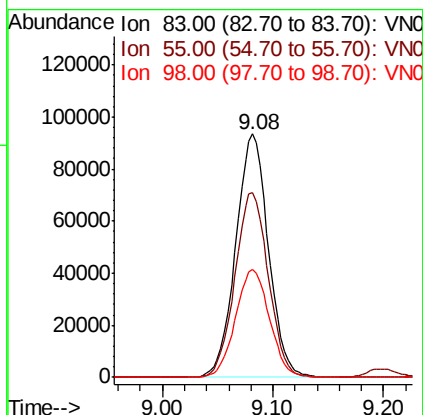
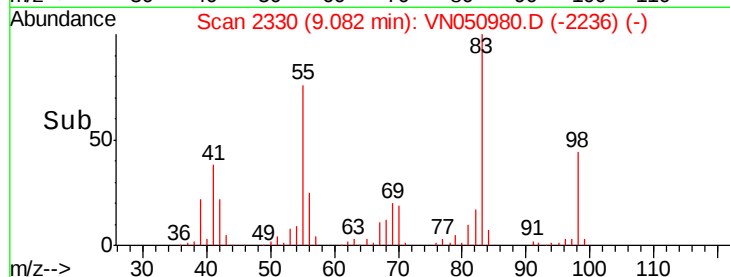
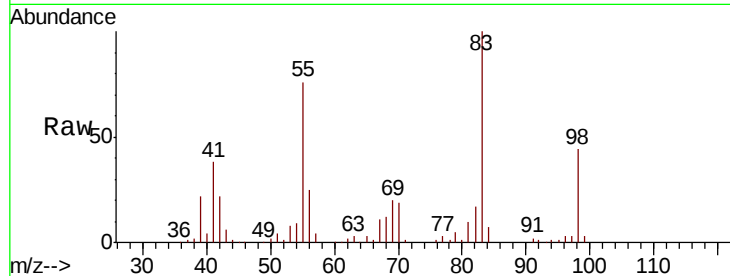




#39
Methvlcvclohexane
Concen: 18.25 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

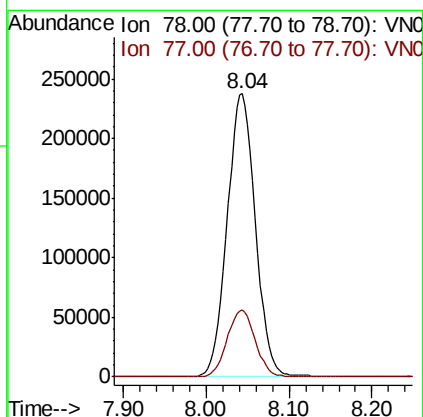
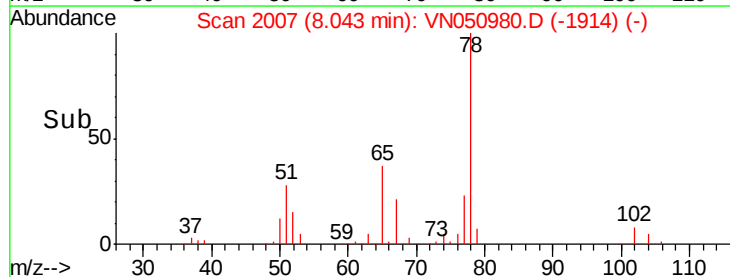
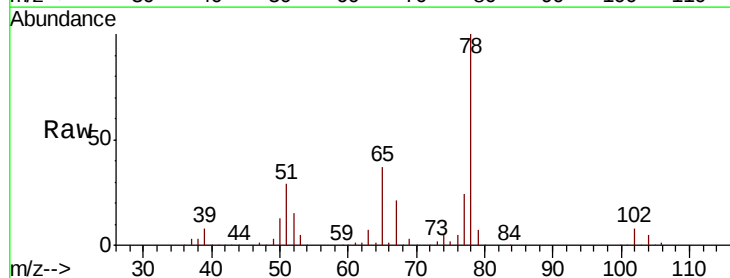
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion: 83 Resp: 191533
Ion Ratio Lower Upper
83 100
55 75.9 61.0 91.4
98 44.1 37.5 56.3



#40
Benzene
Concen: 19.24 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion: 78 Resp: 562721
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

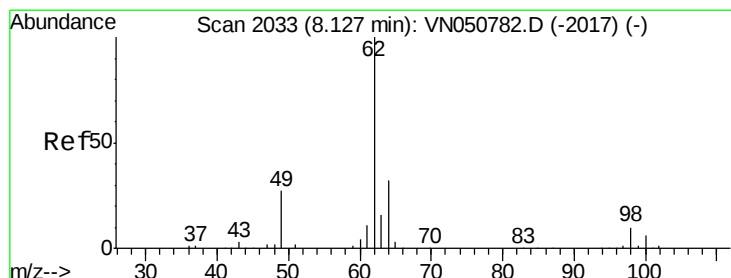
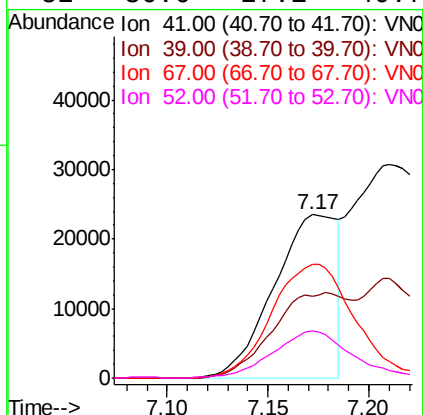
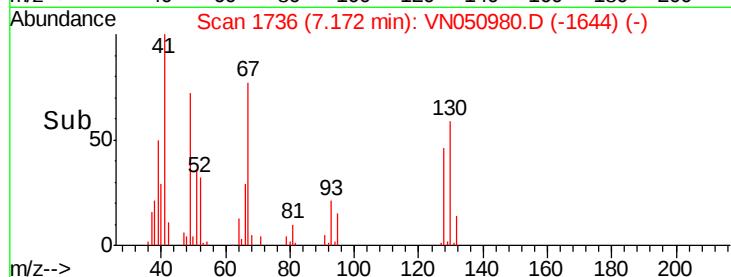
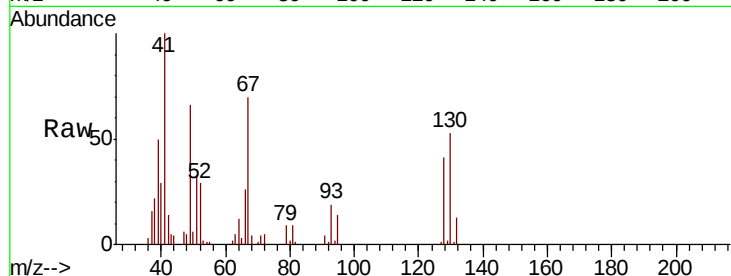




#41
Methacrylonitrile
Concen: 16.91 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

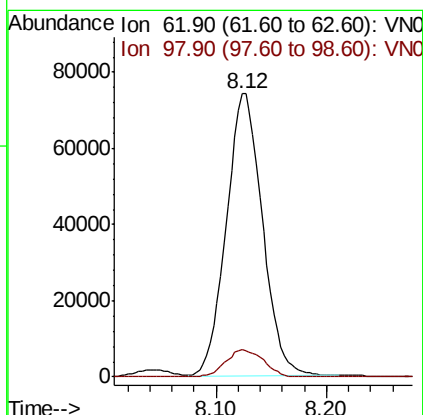
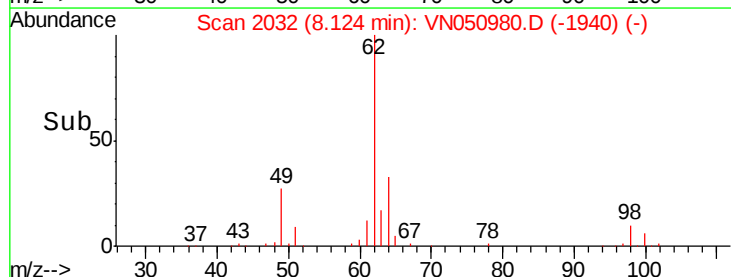
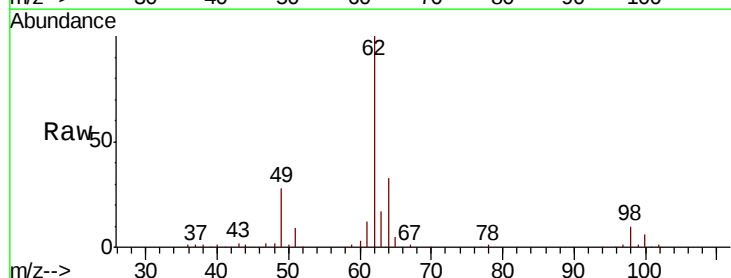
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

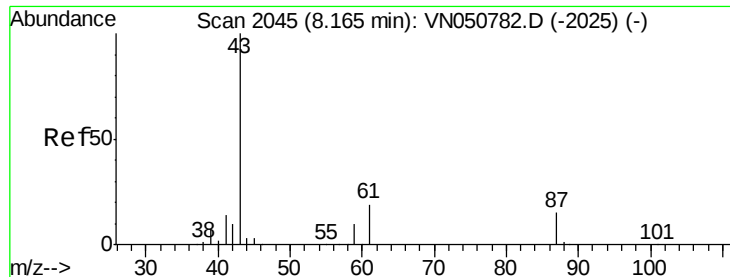
Tot Ion:	41	Resp:	51007
Ion	Ratio	Lower	Upper
41	100		
39	62.0	45.4	68.0
67	93.2	70.6	106.0
52	36.6	27.1	40.7



#42
1,2-Dichloroethane
Concen: 19.26 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:	62	Resp:	168412
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6



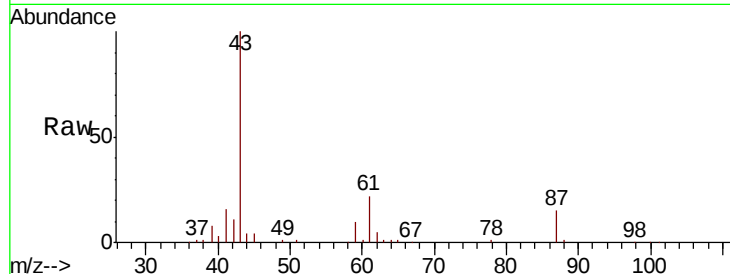


#43

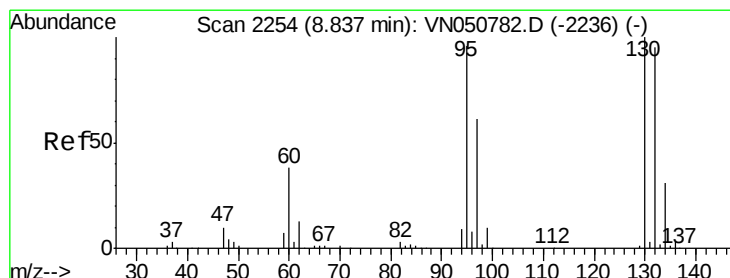
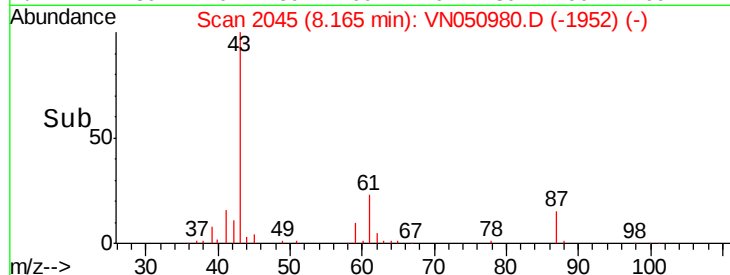
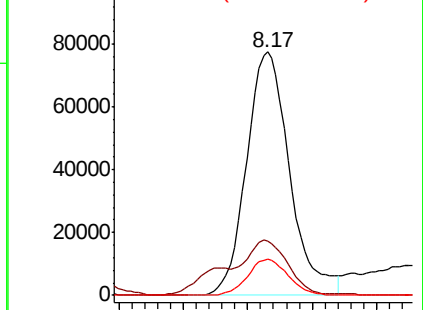
Isopropyl Acetate
 Concen: 18.95 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 43 Resp: 181532
 Ion Ratio Lower Upper
 43 100
 61 20.8 17.5 26.3
 87 14.0 11.3 16.9



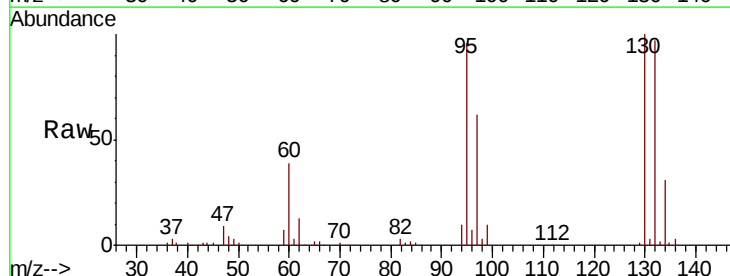
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



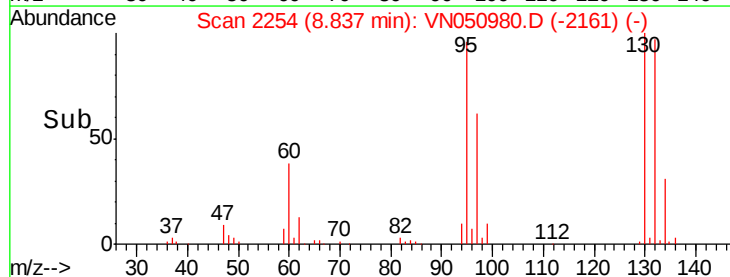
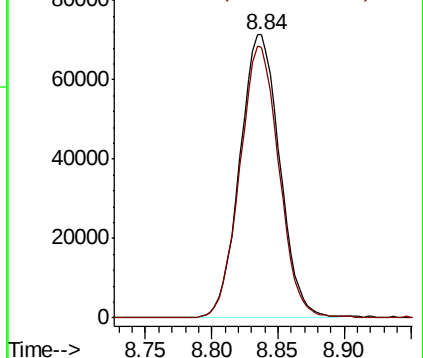
#44

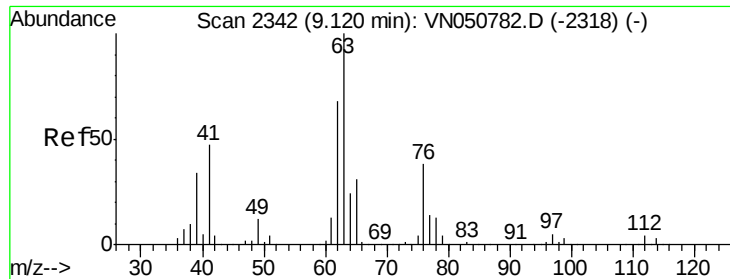
Trichloroethene
 Concen: 19.36 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion:130 Resp: 149392
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.23 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

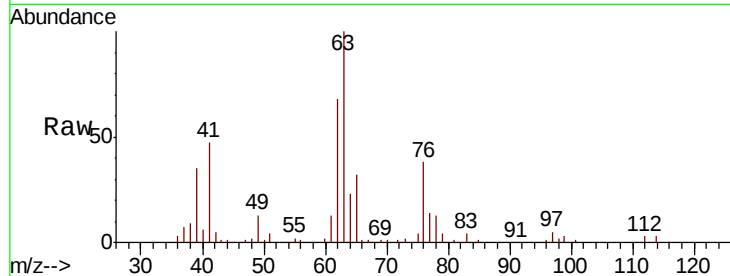
VN0831WBS01

Tot Ion: 63 Resp: 147819

Ion Ratio Lower Upper

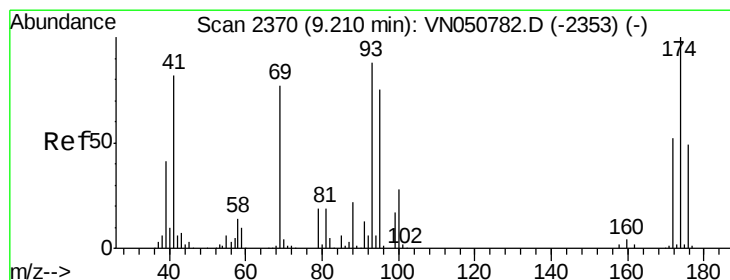
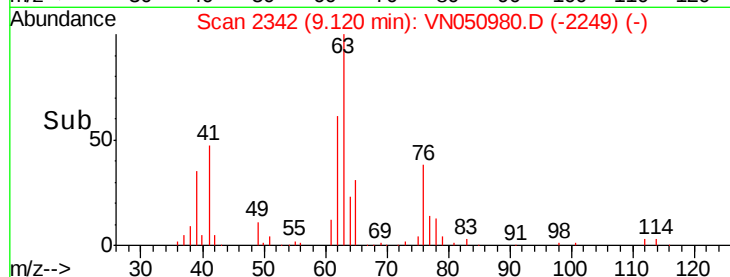
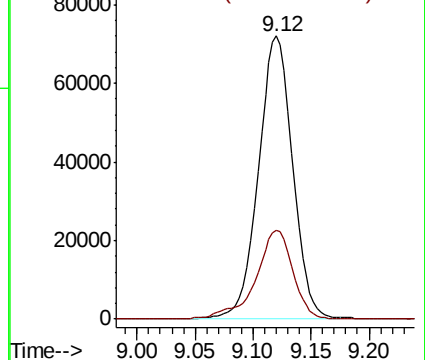
63 100

65 31.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.96 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

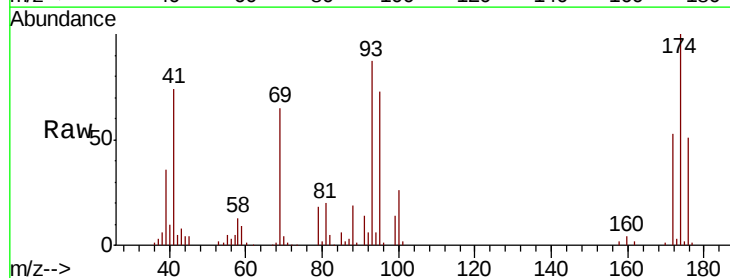
Tgt Ion: 93 Resp: 85634

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

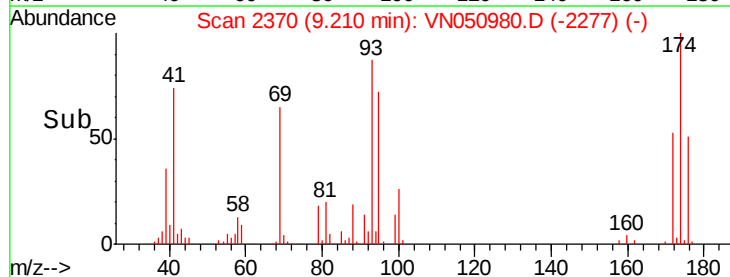
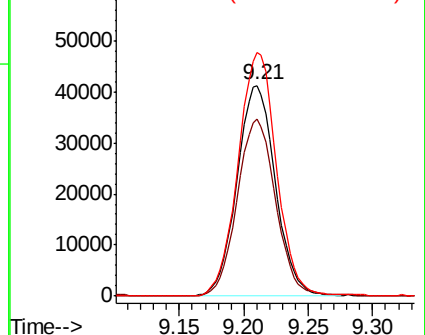
174 115.8 89.8 134.6

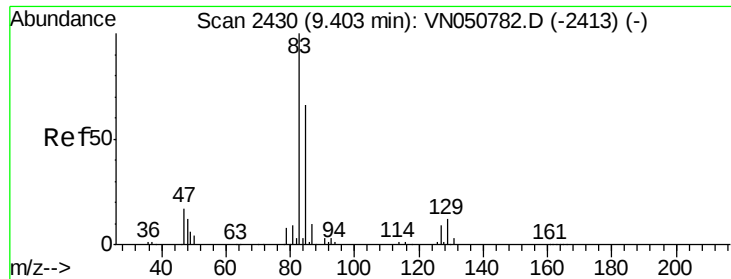


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

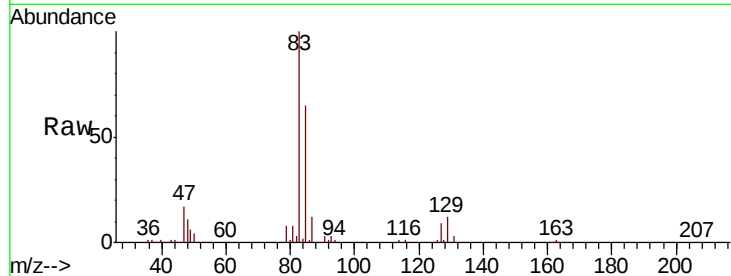




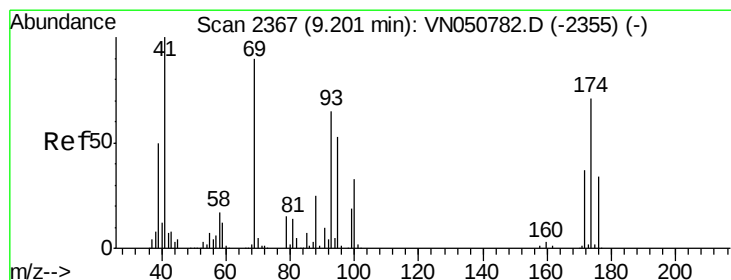
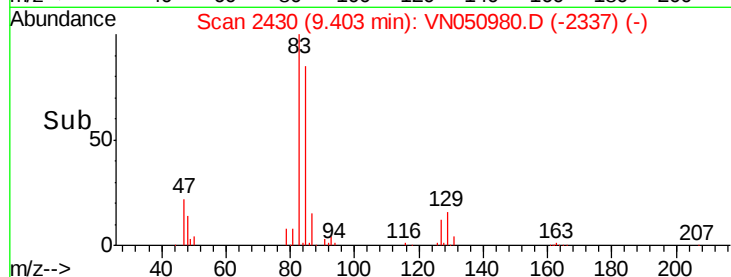
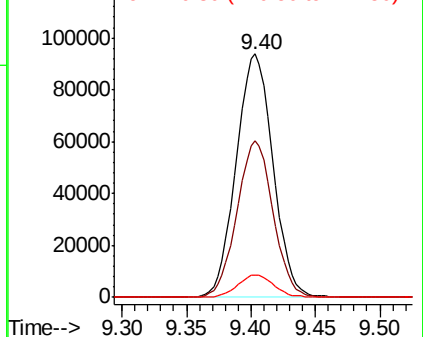
#47
 Bromodichloromethane
 Concen: 19.72 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 83 Resp: 186555
 Ion Ratio Lower Upper
 83 100
 85 64.5 52.6 78.8
 127 9.3 7.2 10.8

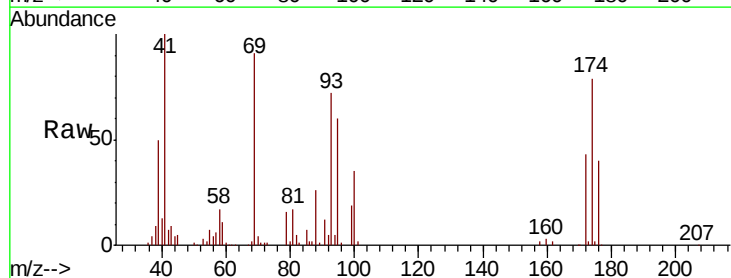


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

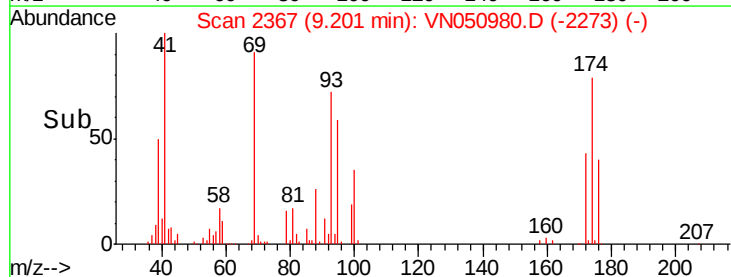
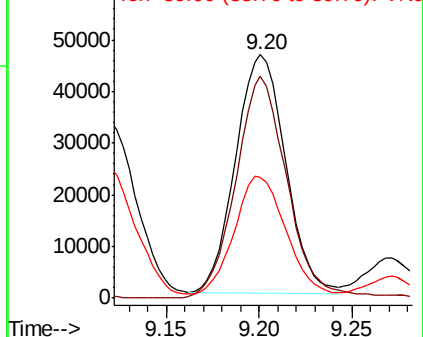


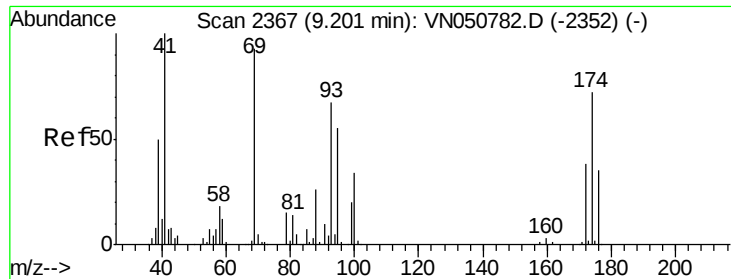
#48
 Methyl methacrylate
 Concen: 17.67 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 41 Resp: 86301
 Ion Ratio Lower Upper
 41 100
 69 95.3 74.7 112.1
 39 53.4 42.2 63.2



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

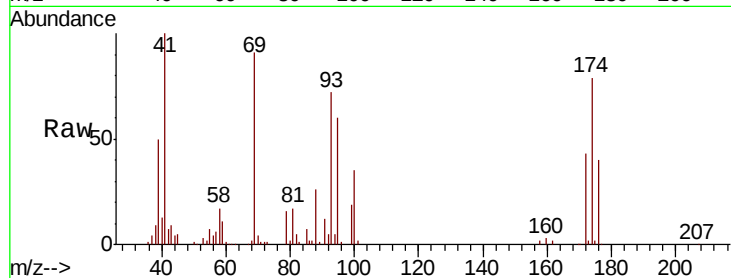




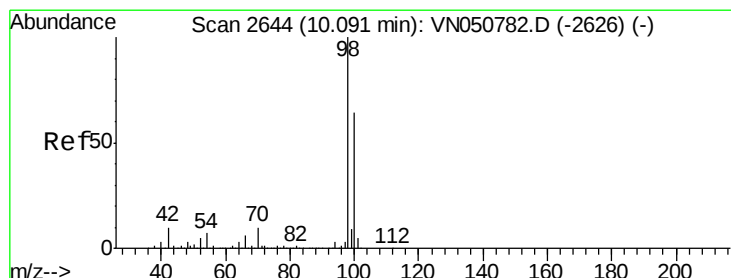
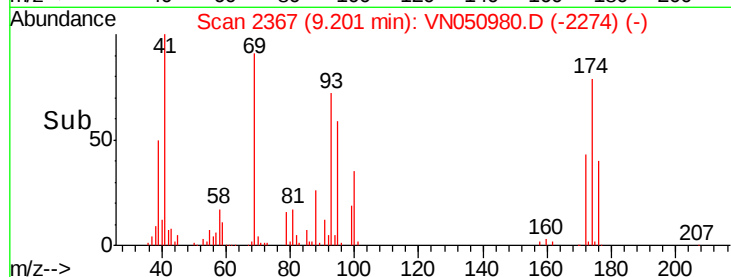
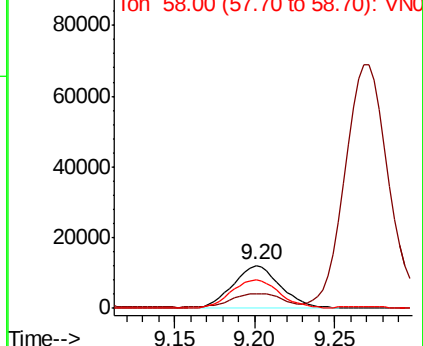
#49
 1,4-Dioxane
 Concen: 366.58 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 88 Resp: 24403
 Ion Ratio Lower Upper
 88 100
 43 34.7 25.9 38.9
 58 68.8 55.0 82.4

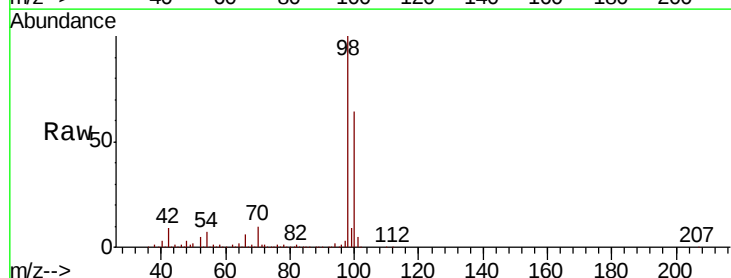


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

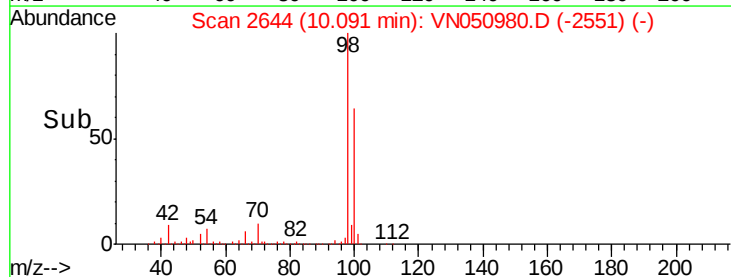
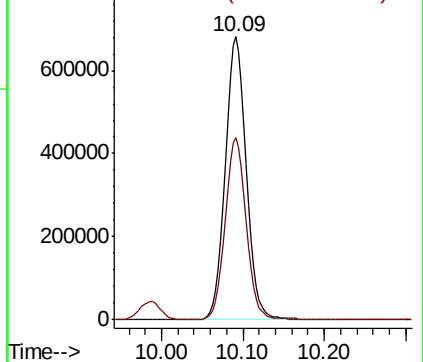


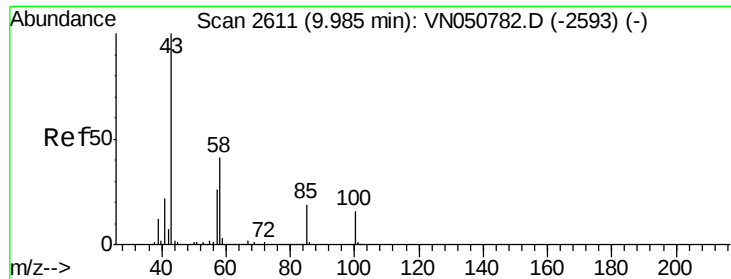
#50
 Toluene-d8
 Concen: 50.96 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 98 Resp: 1246228
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.5 77.3



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: 88.38 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

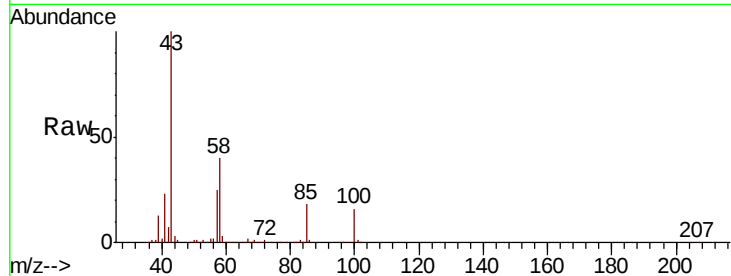
VN0831WBS01

Tot Ion: 43 Resp: 505370

Ion Ratio Lower Upper

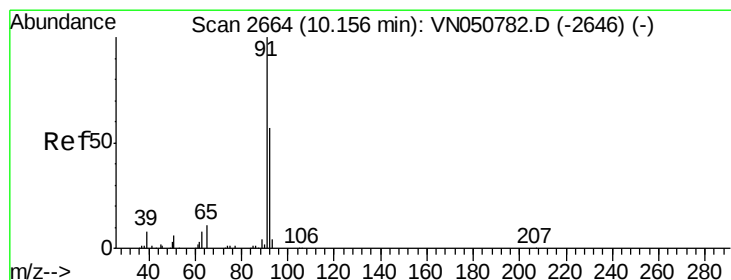
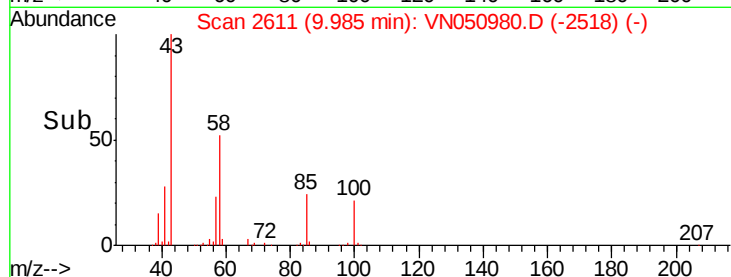
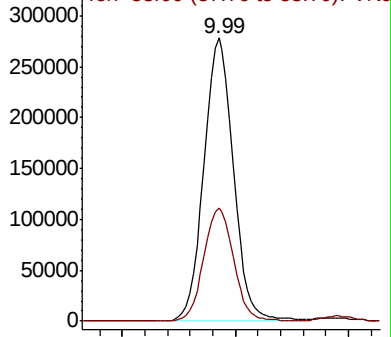
43 100

58 40.6 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.12 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050980.D

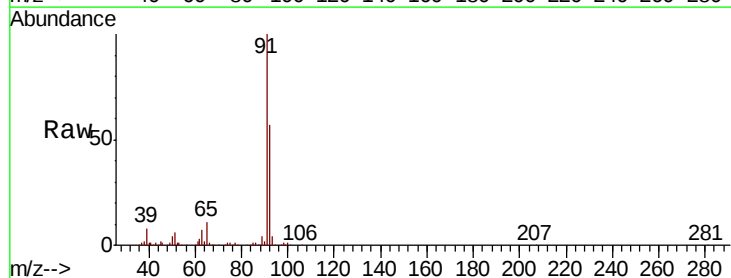
Acq: 31 Aug 2018 11:58

Tgt Ion: 92 Resp: 348687

Ion Ratio Lower Upper

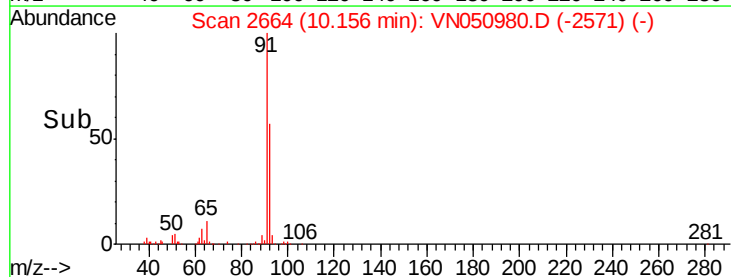
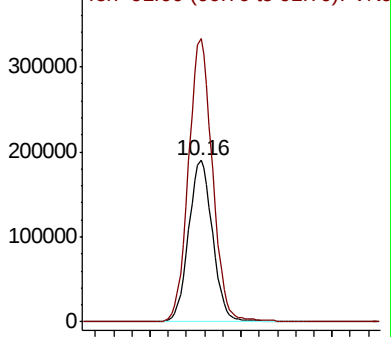
92 100

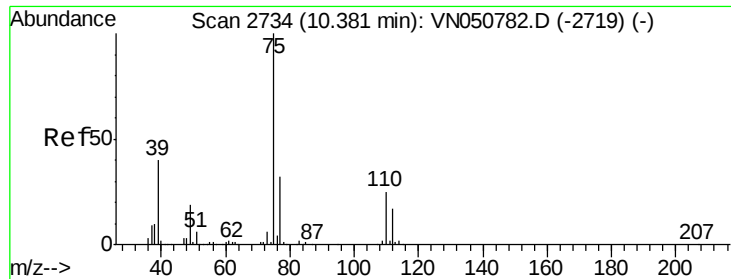
91 175.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

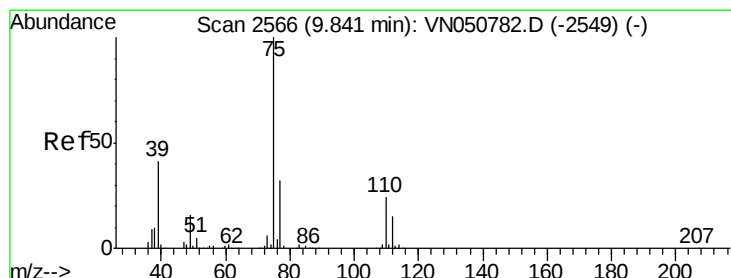
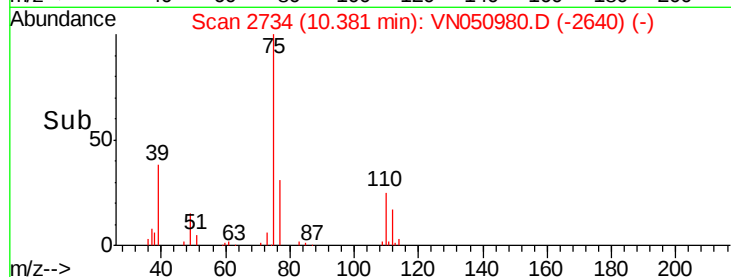
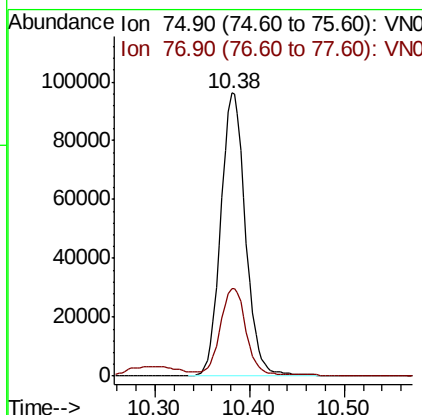
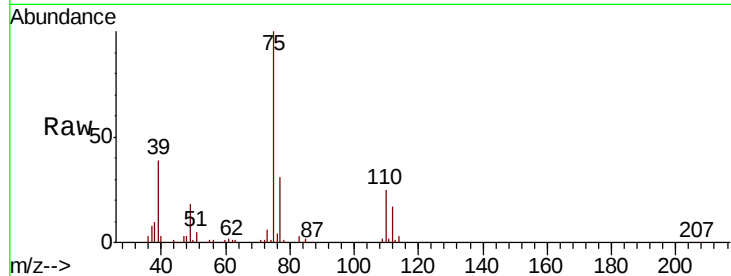




#53
t-1,3-Dichloropropene
Concen: 18.64 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

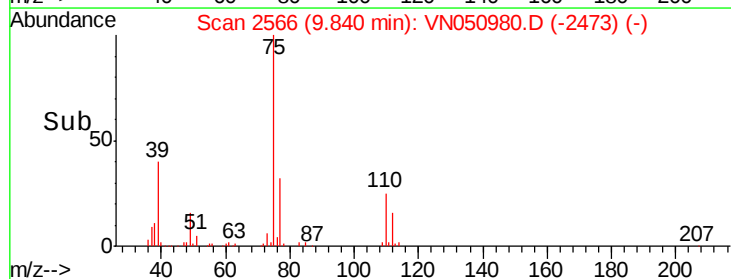
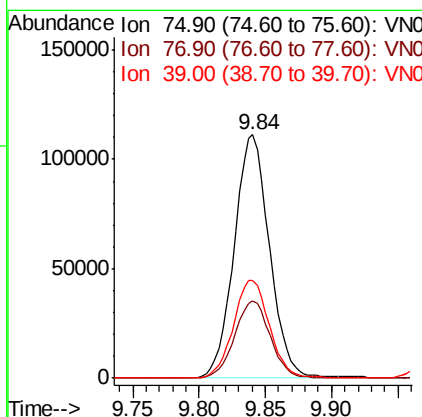
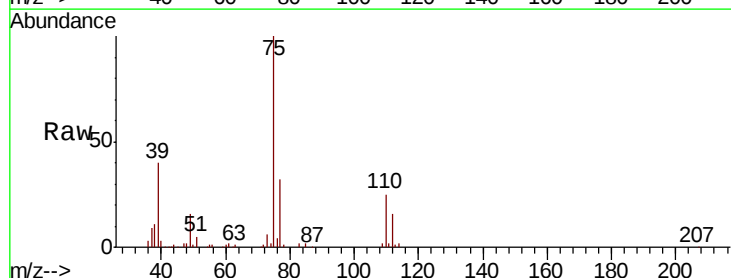
Instrument :
MSVOA_N
ClientSampled :
VN0831WBS01

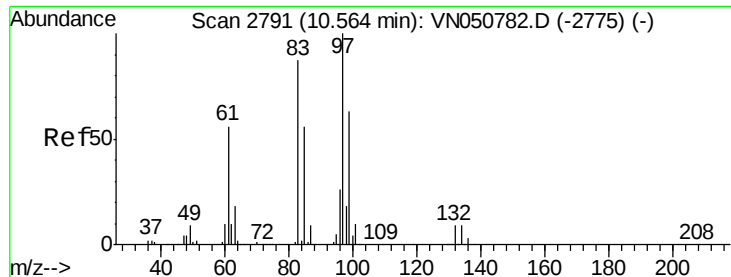
Tot Ion: 75 Resp: 175563
Ion Ratio Lower Upper
75 100
77 30.6 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 19.07 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion: 75 Resp: 205721
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 40.3 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 19.49 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 97 Resp: 125378

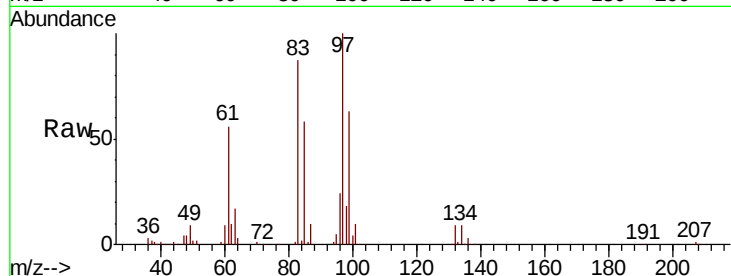
Ion Ratio Lower Upper

97 100

83 86.7 69.7 104.5

85 57.9 44.5 66.7

99 63.4 50.7 76.1



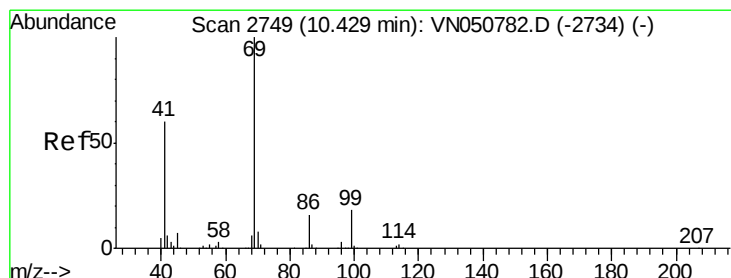
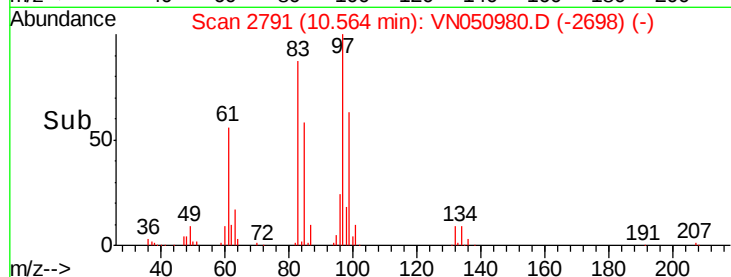
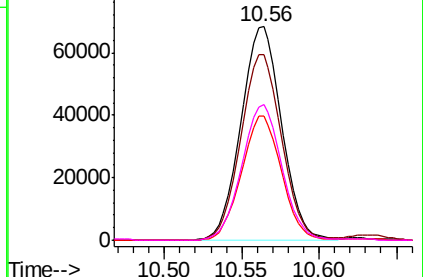
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.57 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

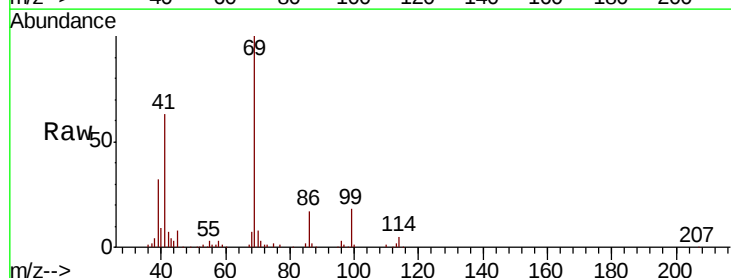
Tgt Ion: 69 Resp: 133657

Ion Ratio Lower Upper

69 100

41 61.9 48.3 72.5

39 31.9 24.0 36.0

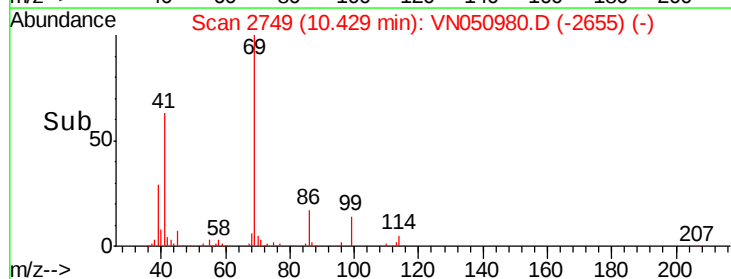
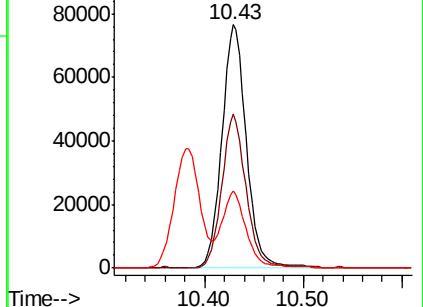


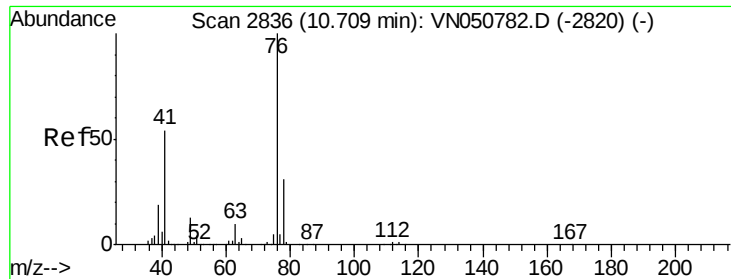
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

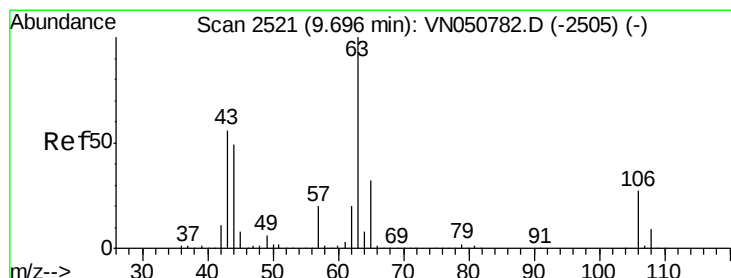
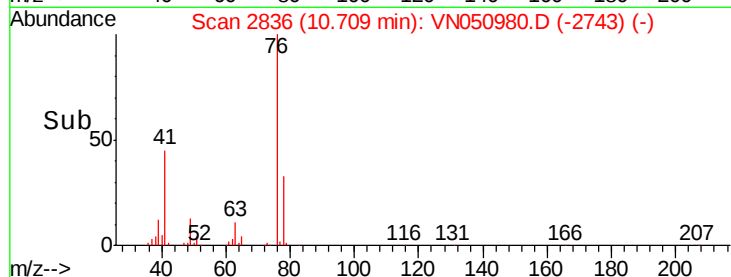
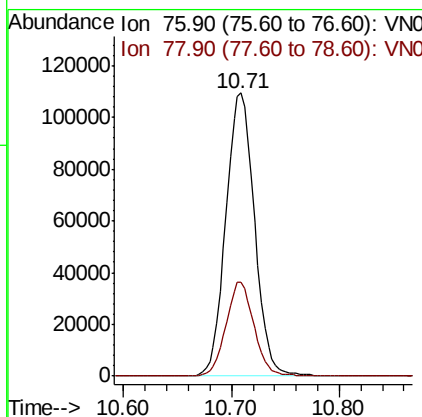
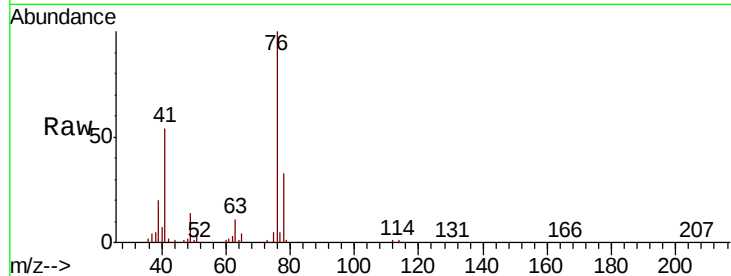




#57
 1,3-Dichloropropane
 Concen: 19.16 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

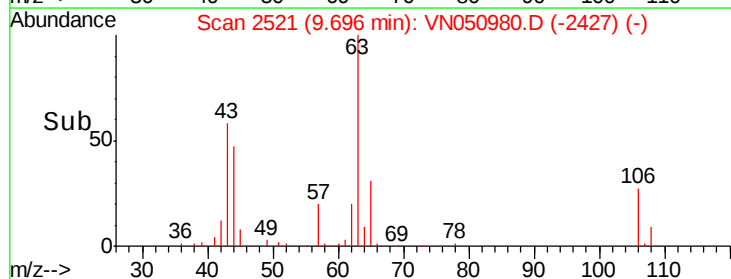
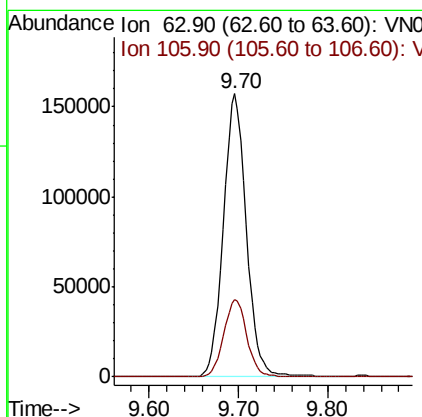
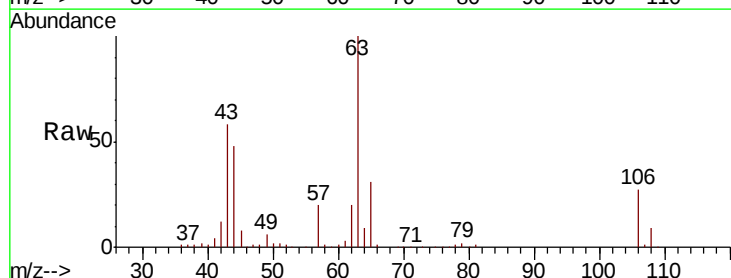
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

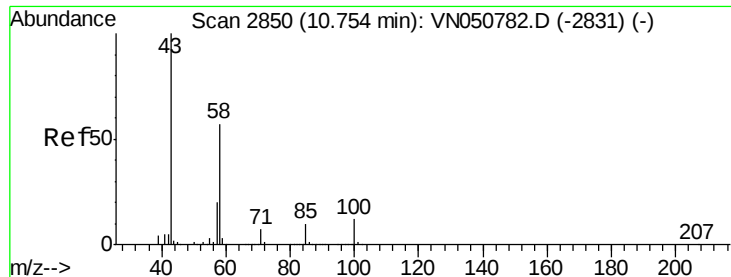
Tot Ion: 76 Resp: 203404
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.42 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 63 Resp: 280978
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.9 32.9





#59

2-Hexanone

Concen: 81.41 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

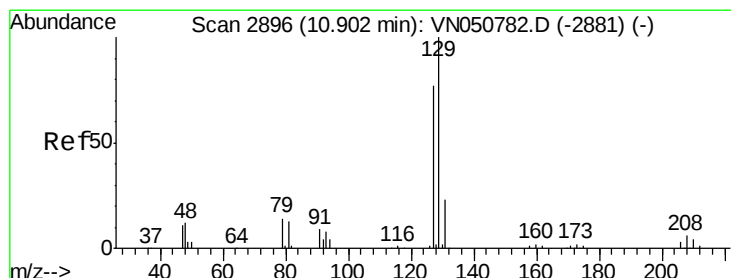
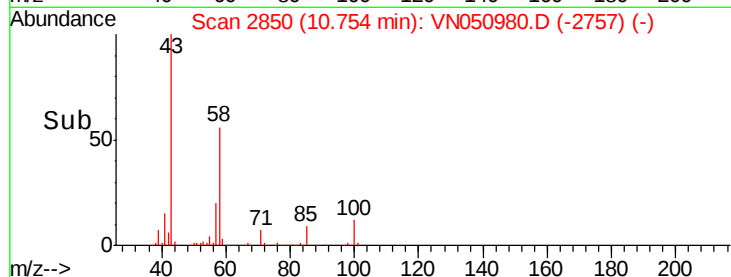
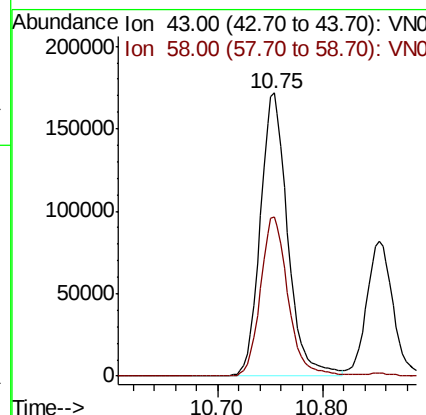
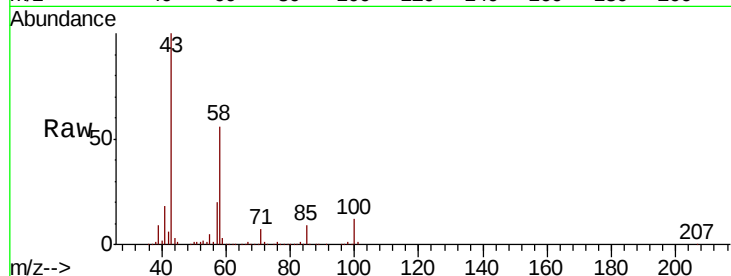
VN0831WBS01

Tot Ion: 43 Resp: 309896

Ion Ratio Lower Upper

43 100

58 57.0 28.3 85.0



#60

Dibromochloromethane

Concen: 19.66 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050980.D

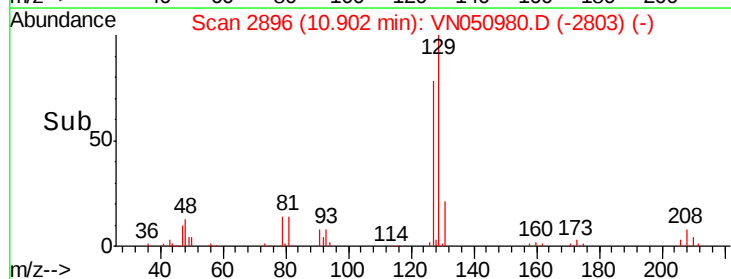
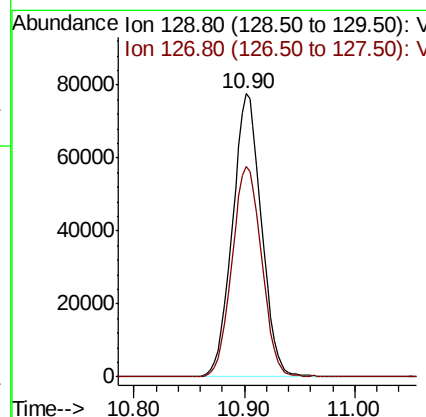
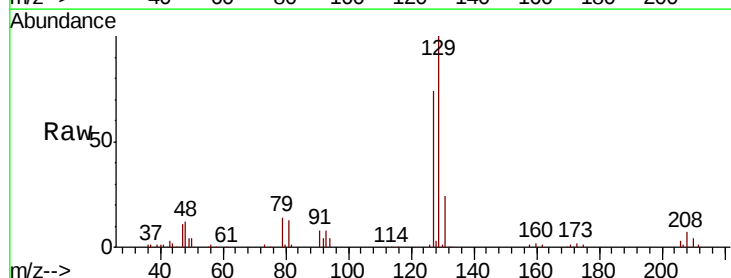
Acq: 31 Aug 2018 11:58

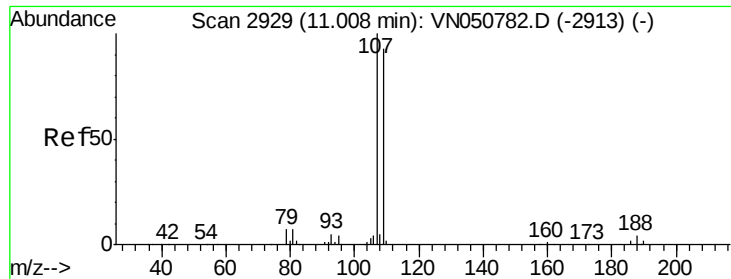
Tgt Ion: 129 Resp: 141562

Ion Ratio Lower Upper

129 100

127 75.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.96 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

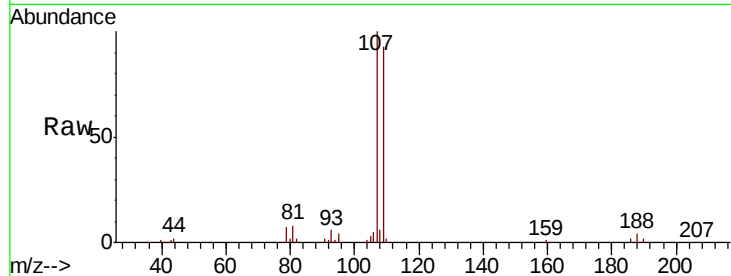
VN0831WBS01

Tot Ion:107 Resp: 117956

Ion Ratio Lower Upper

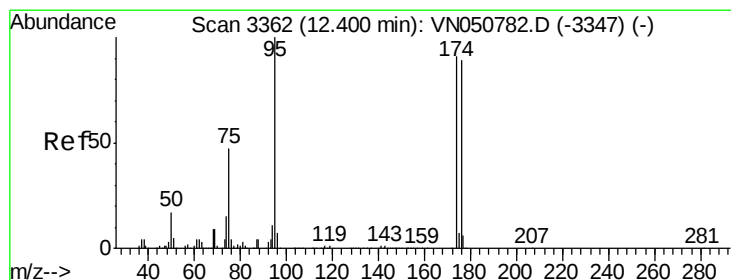
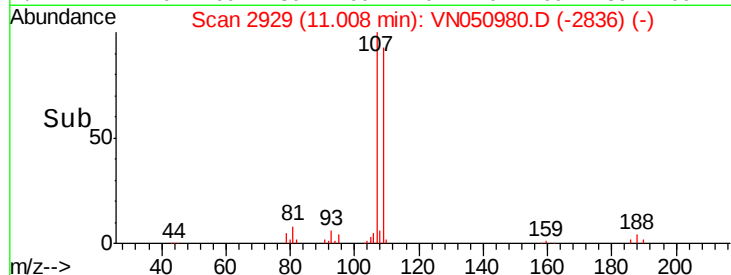
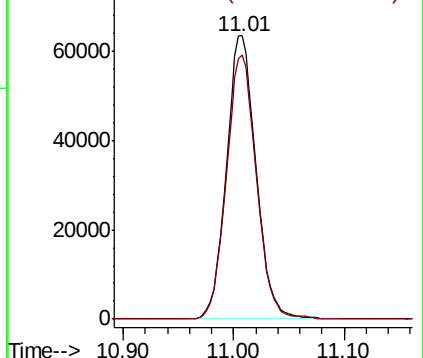
107 100

109 94.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.89 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

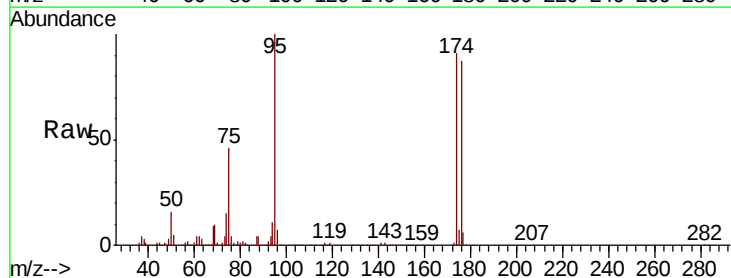
Tgt Ion: 95 Resp: 397279

Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.0

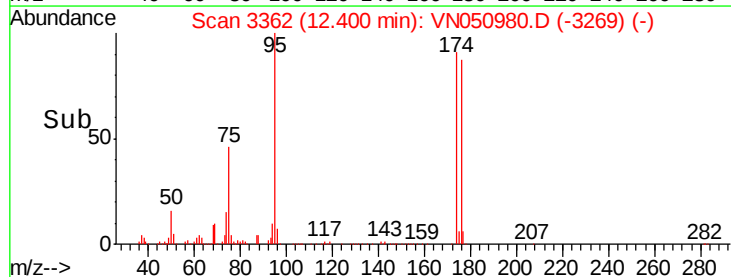
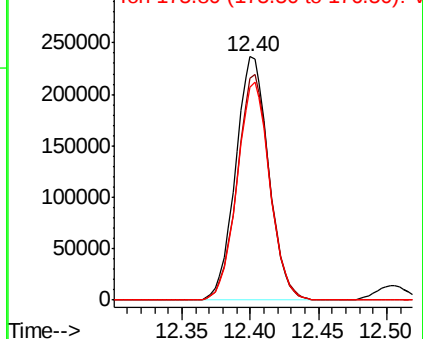
176 88.6 0.0 178.8

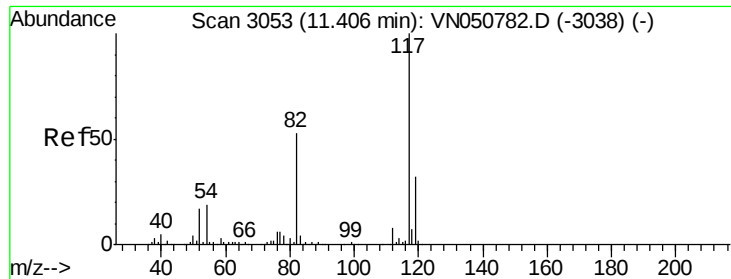


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

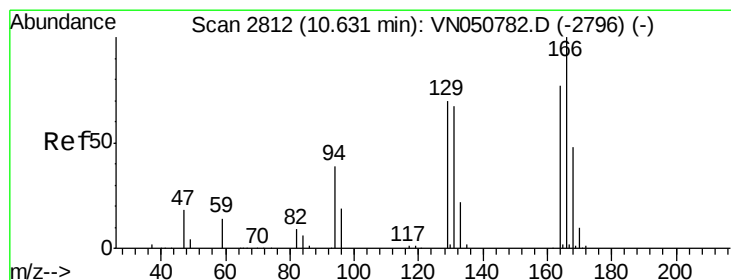
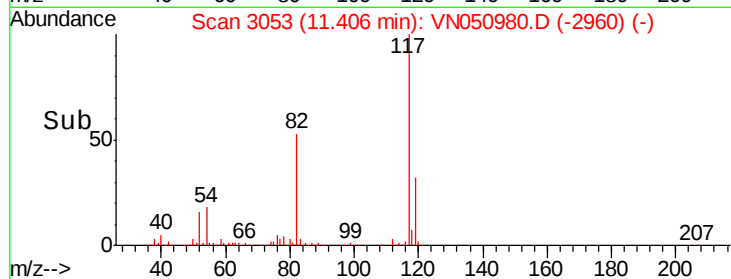
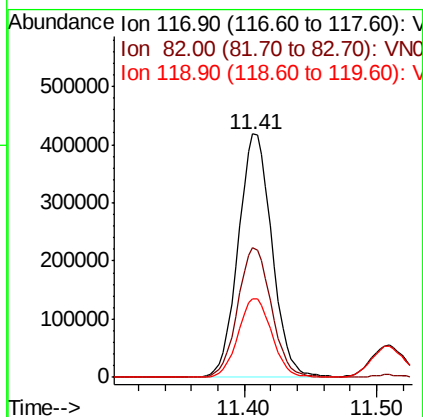
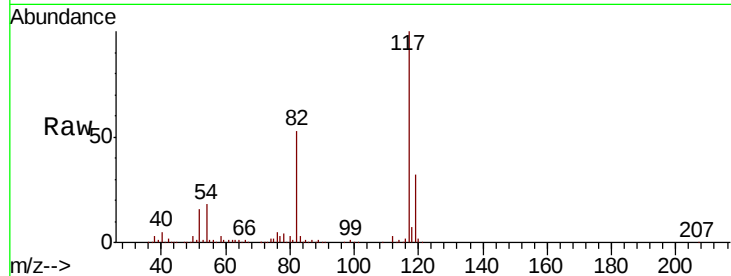




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

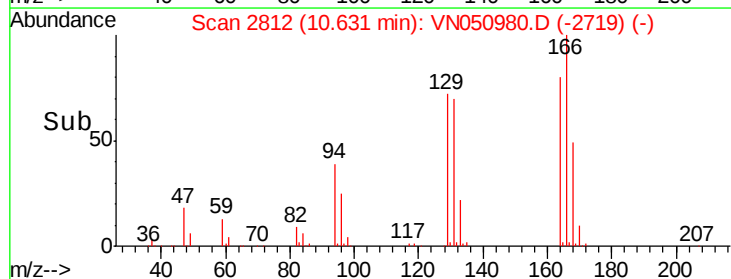
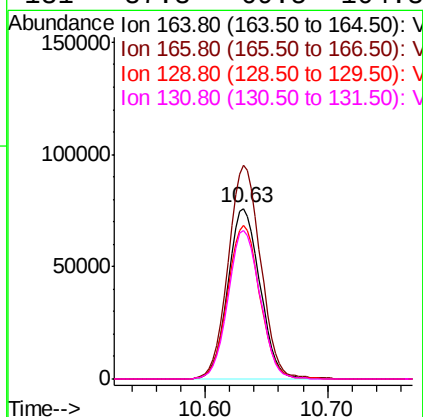
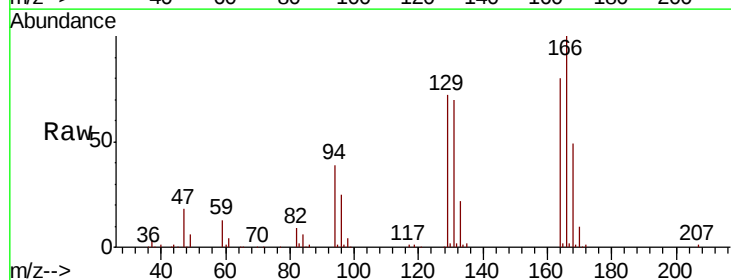
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

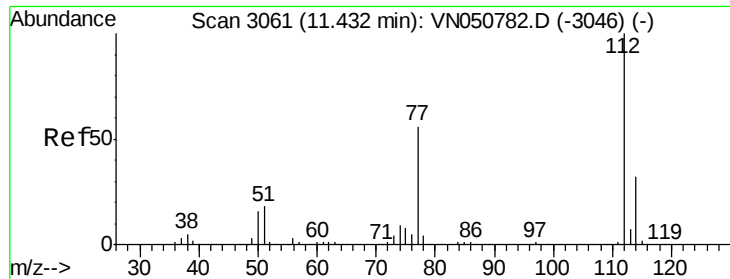
Tot Ion:117 Resp: 738513
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 19.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:164 Resp: 139327
Ion Ratio Lower Upper
164 100
166 125.0 103.5 155.3
129 89.7 72.7 109.1
131 87.3 69.5 104.3

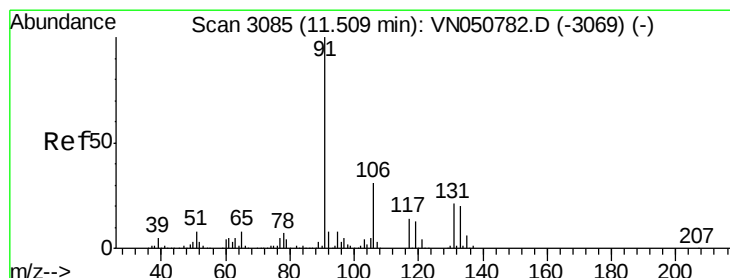
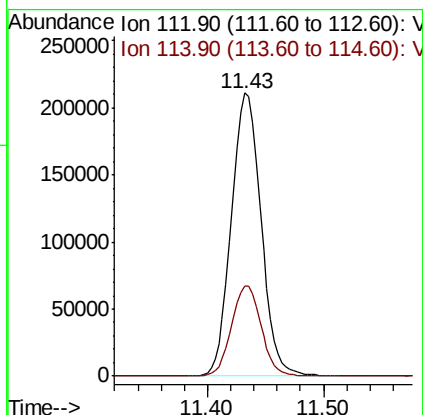
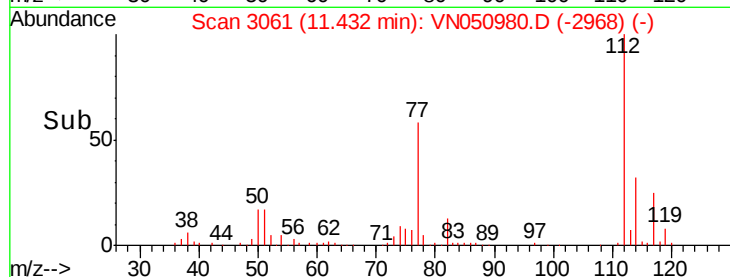
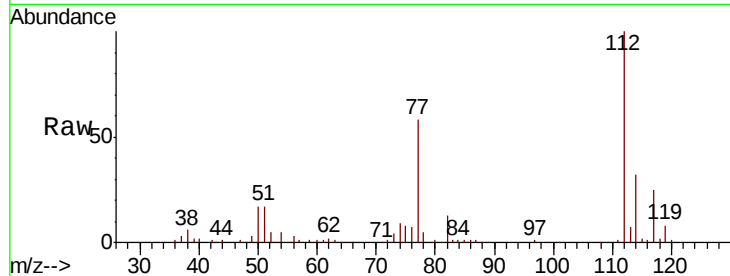




#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

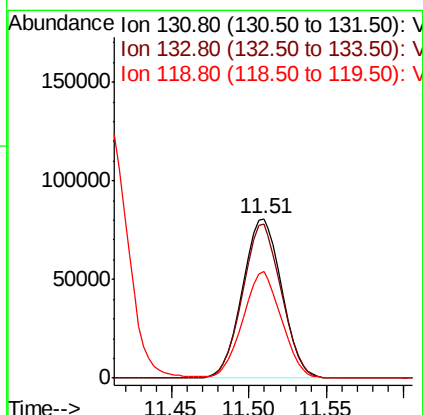
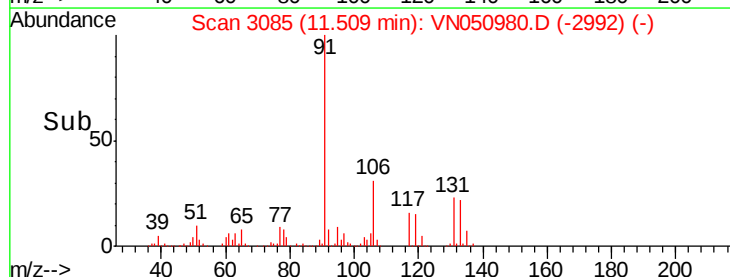
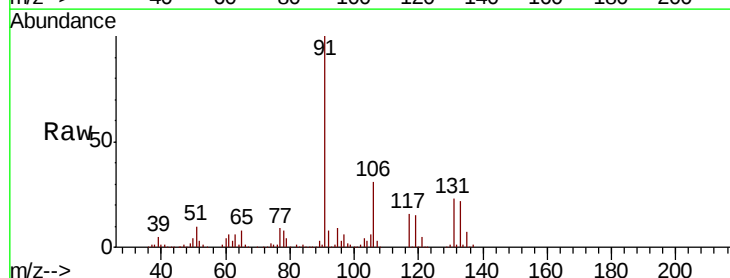
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

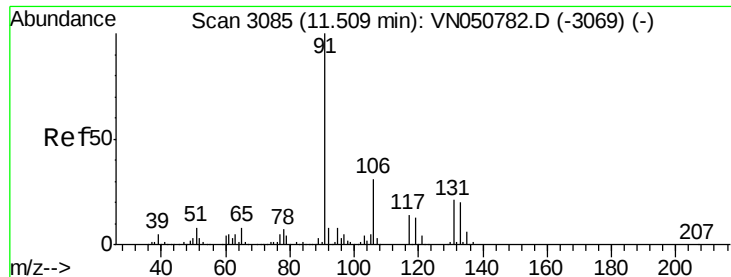
Tot Ion:112 Resp: 373399
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.28 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:131 Resp: 143233
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 65.5 32.8 98.4





#67

Ethyl Benzene

Concen: 19.43 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

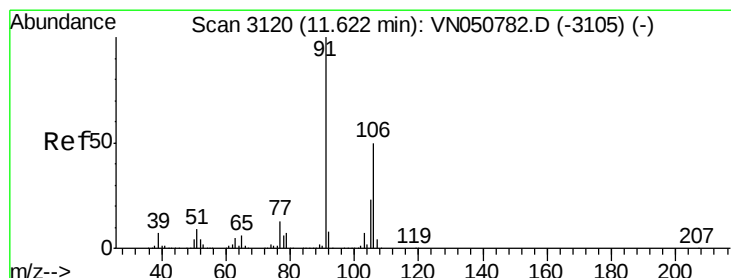
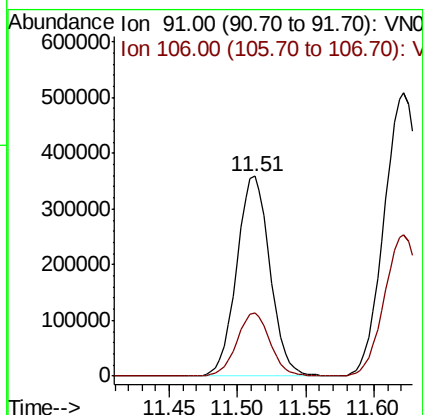
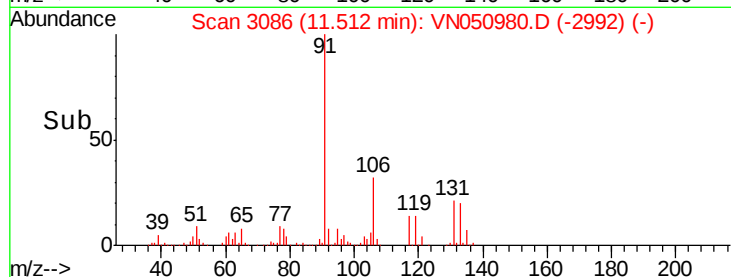
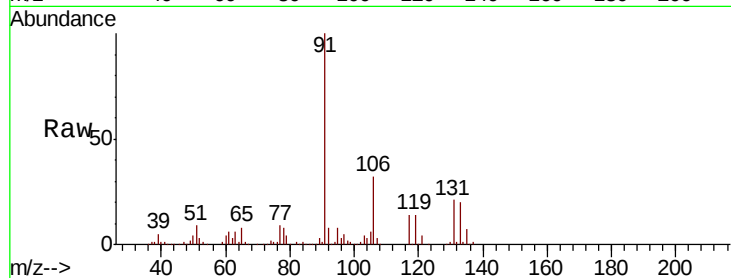
VN0831WBS01

Tot Ion: 91 Resp: 609798

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



#68

m/p-Xylenes

Concen: 40.54 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050980.D

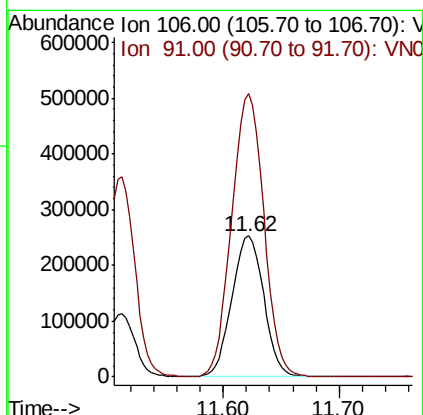
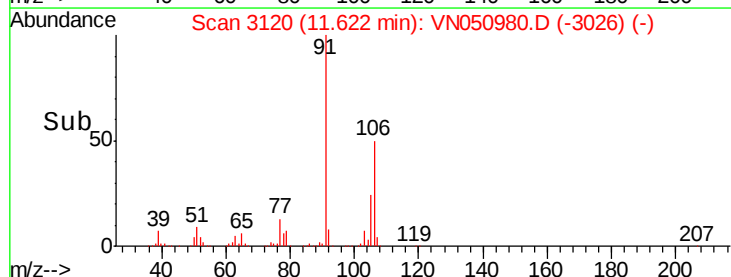
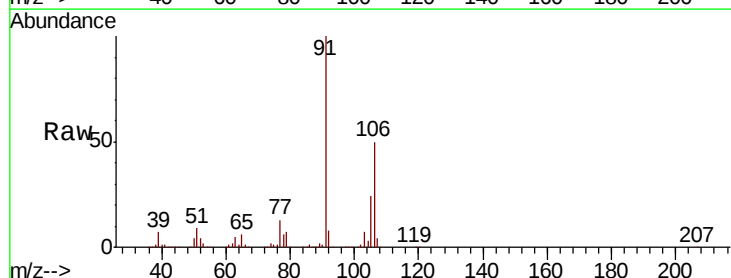
Acq: 31 Aug 2018 11:58

Tgt Ion: 106 Resp: 482862

Ion Ratio Lower Upper

106 100

91 202.2 161.0 241.6

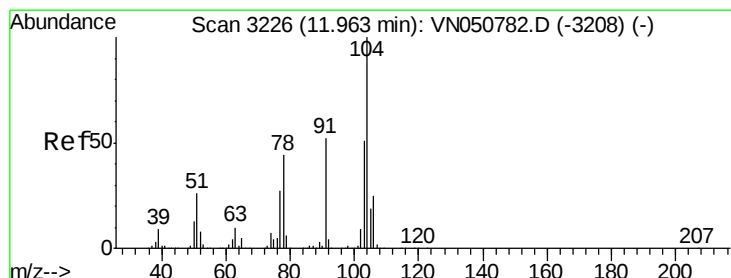
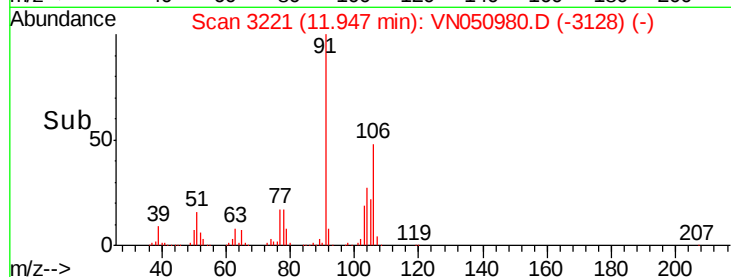
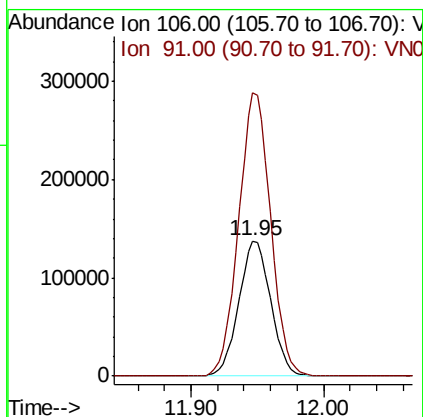
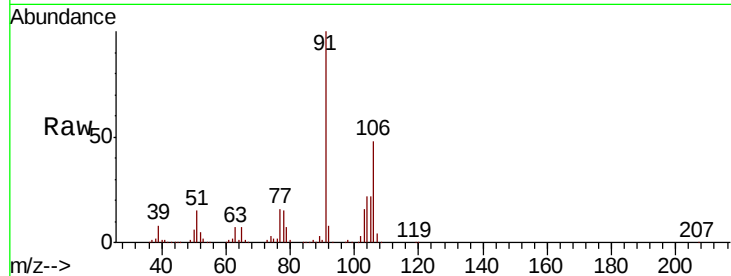




#69
o-Xylene
Concen: 20.04 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

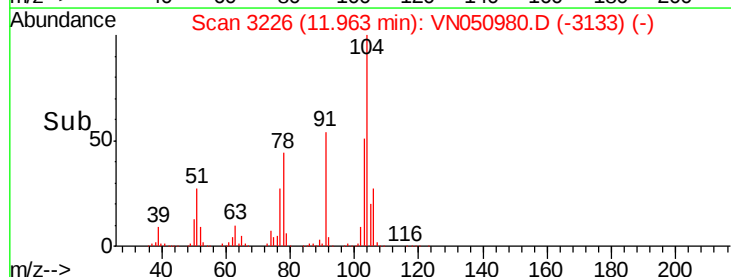
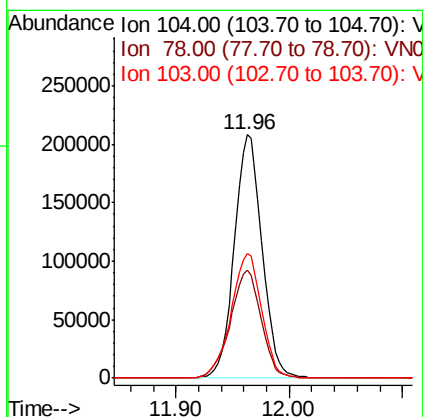
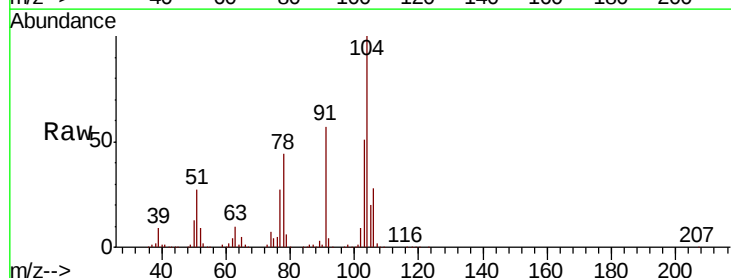
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

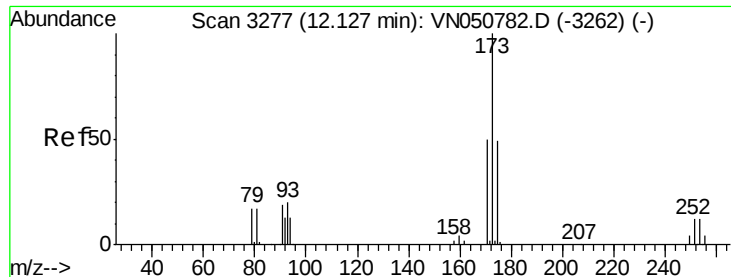
Tot Ion:106 Resp: 229523
Ion Ratio Lower Upper
106 100
91 210.0 106.5 319.5



#70
Styrene
Concen: 18.46 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:104 Resp: 356024
Ion Ratio Lower Upper
104 100
78 49.1 38.2 57.4
103 56.2 44.4 66.6

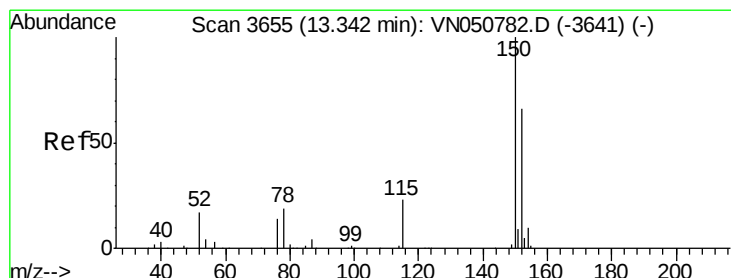
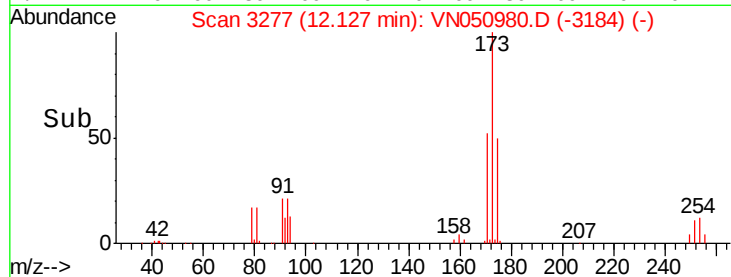
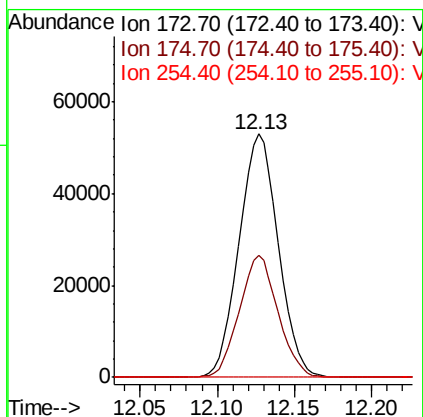
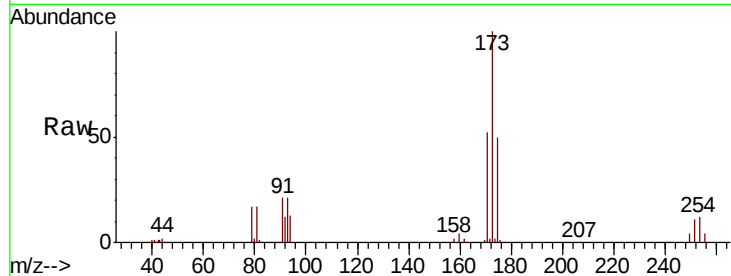




#71
Bromoform
Concen: 19.27 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

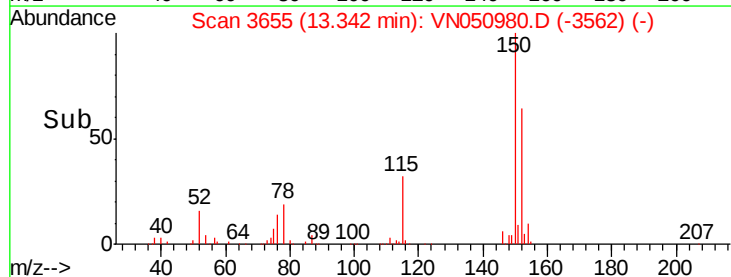
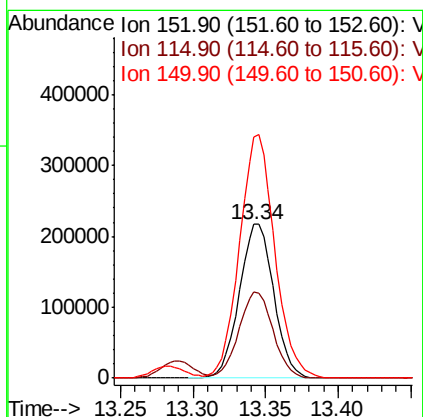
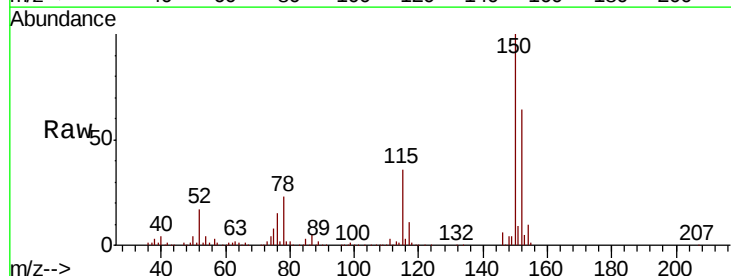
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

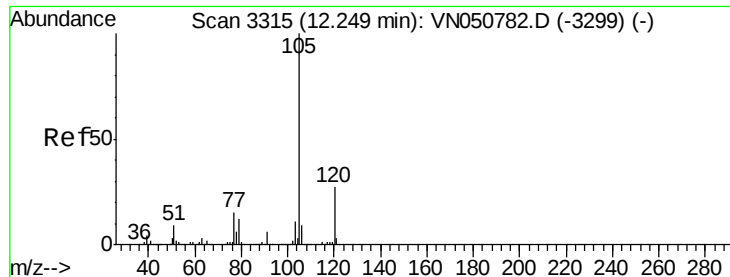
Tot Ion:173 Resp: 93585
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:152 Resp: 358921
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 161.7 0.0 351.4





#73

Isopropylbenzene

Concen: 20.57 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

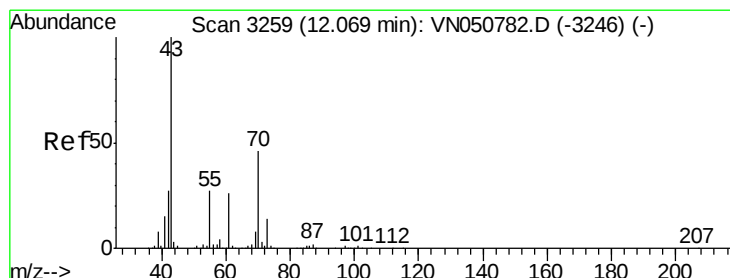
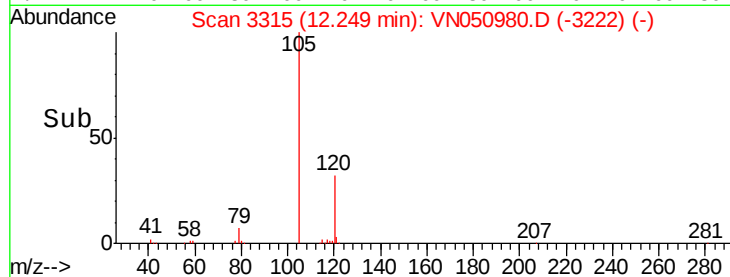
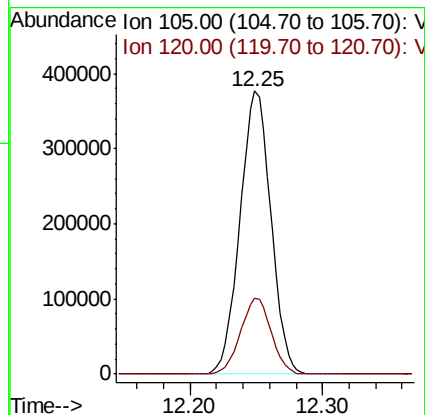
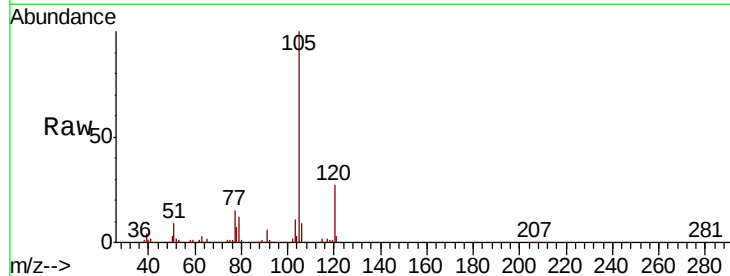
VN0831WBS01

Tot Ion:105 Resp: 611280

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



#74

N-ethyl acetate

Concen: 17.38 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion: 43 Resp: 129818

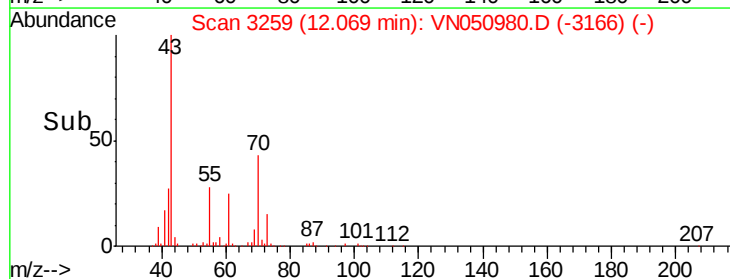
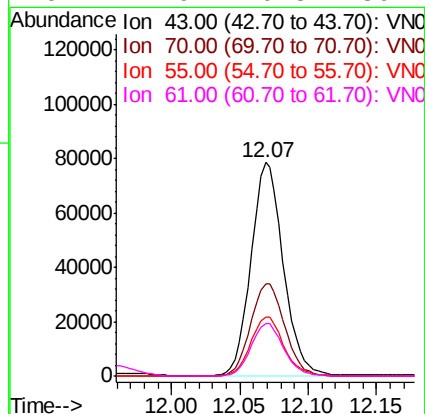
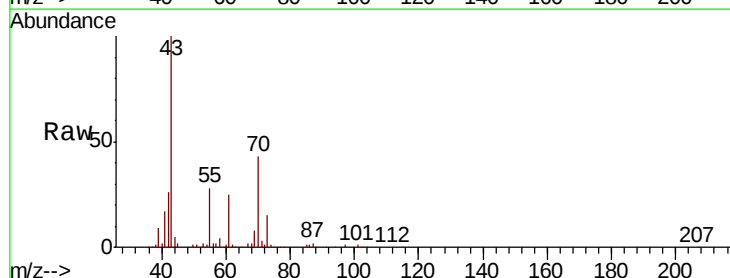
Ion Ratio Lower Upper

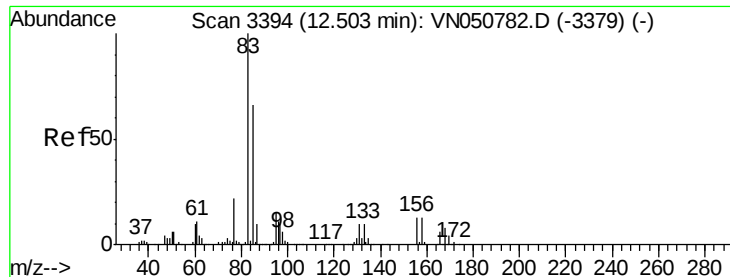
43 100

70 45.3 36.2 54.2

55 28.2 21.8 32.8

61 24.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.27 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

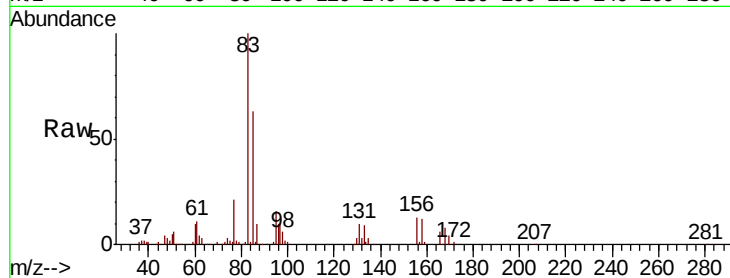
Tot Ion: 83 Resp: 150511

Ion Ratio Lower Upper

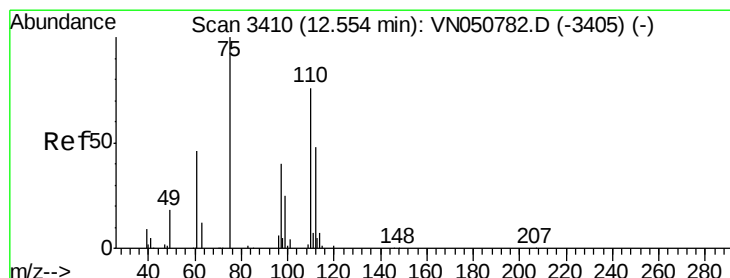
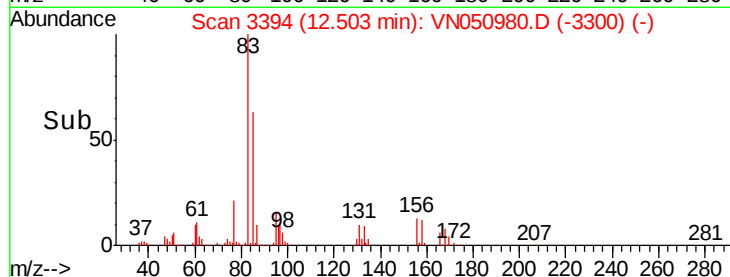
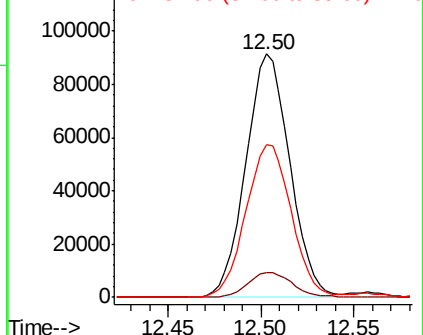
83 100

131 10.5 5.3 15.9

85 65.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 26.88 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050980.D

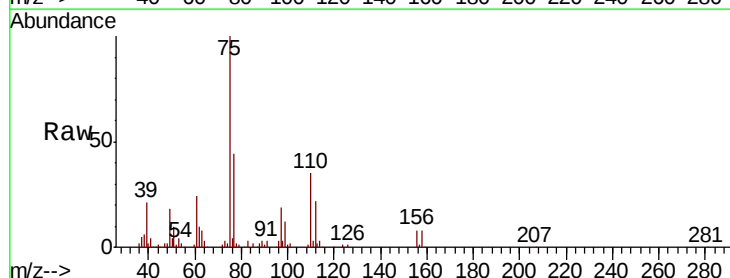
Acq: 31 Aug 2018 11:58

Tgt Ion: 75 Resp: 168981

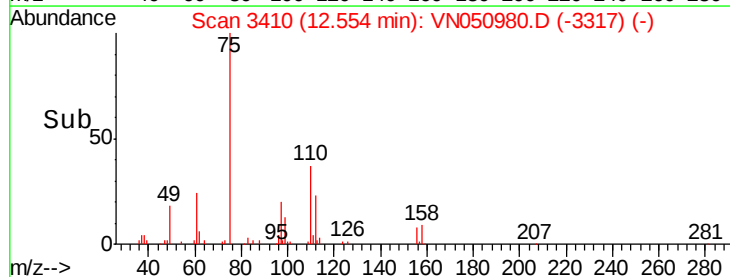
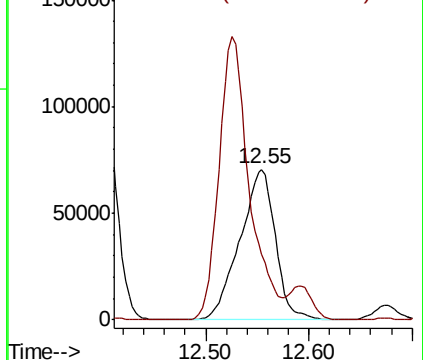
Ion Ratio Lower Upper

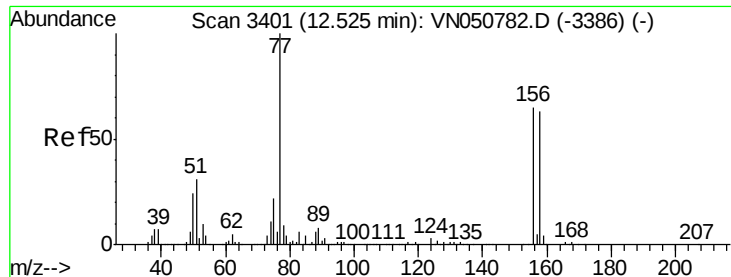
75 100

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: 19.69 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

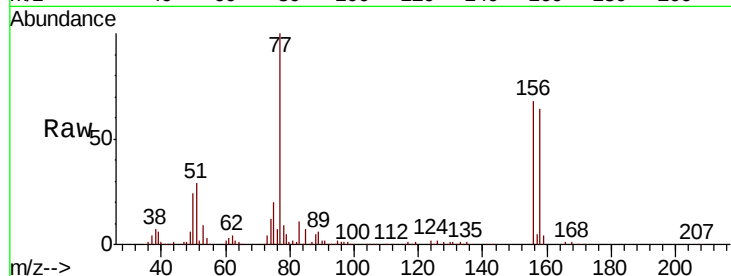
Tot Ion:156 Resp: 159002

Ion Ratio Lower Upper

156 100

77 170.6 89.9 269.7

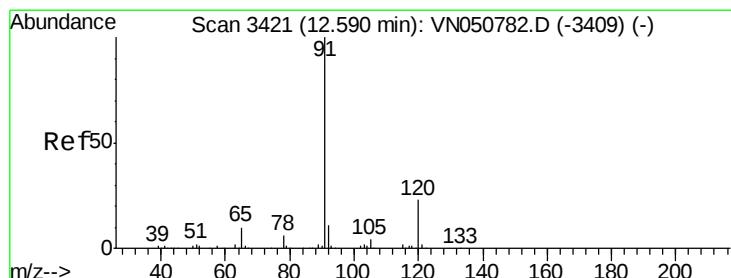
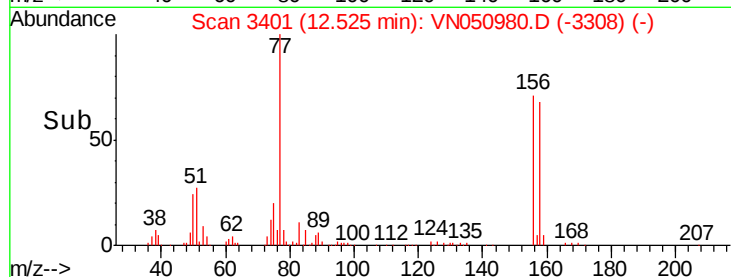
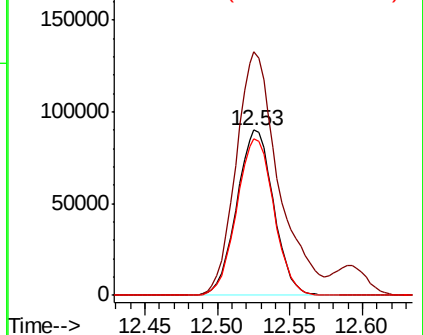
158 95.9 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.50 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050980.D

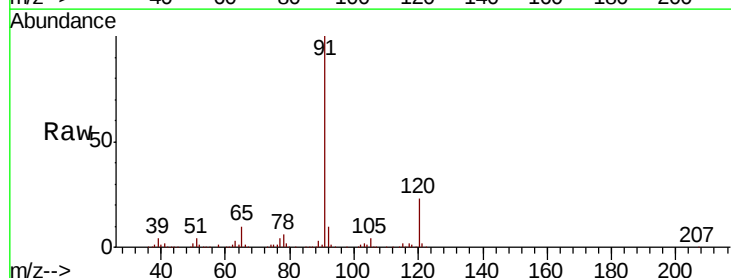
Acq: 31 Aug 2018 11:58

Tgt Ion: 91 Resp: 680627

Ion Ratio Lower Upper

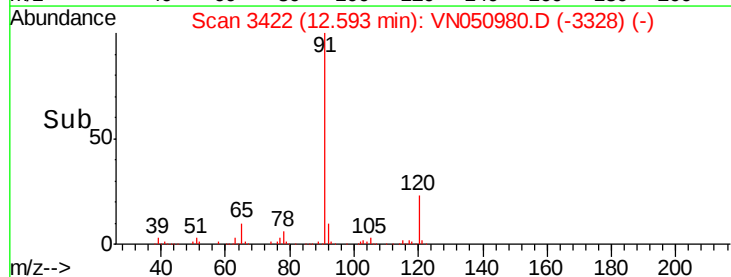
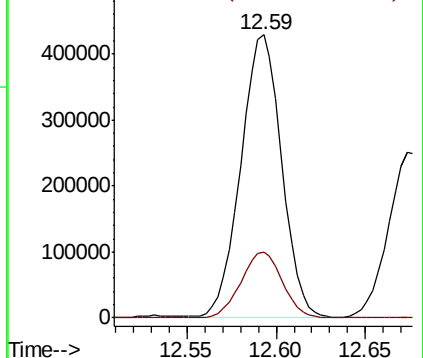
91 100

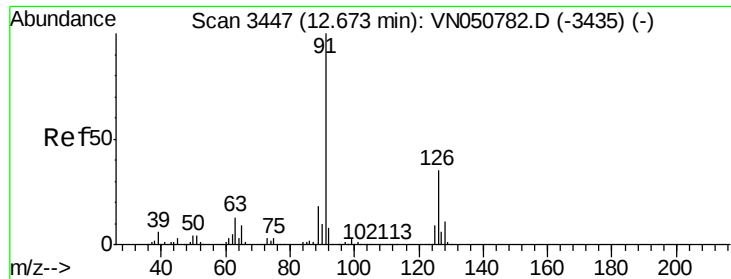
120 23.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.09 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

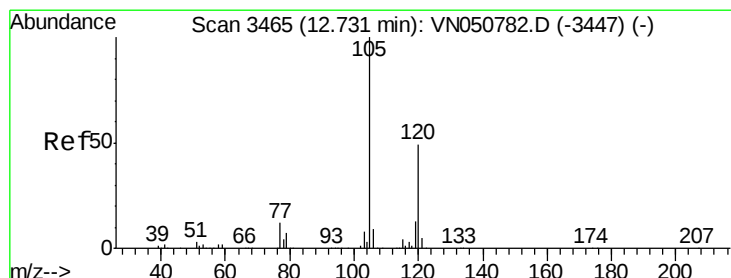
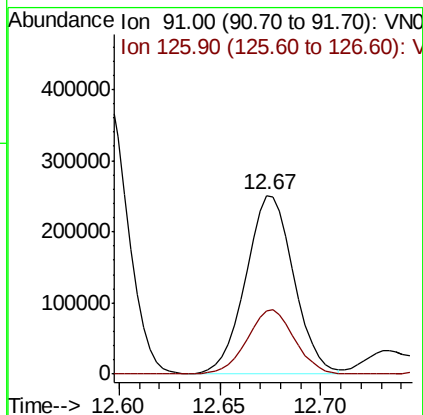
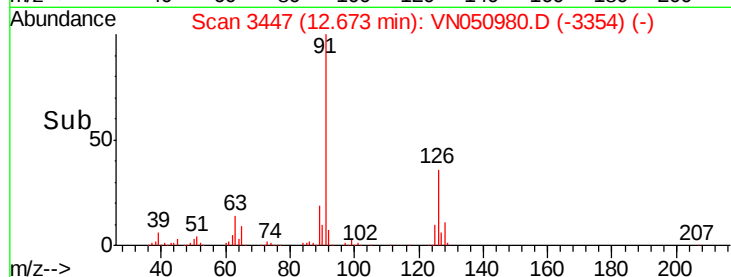
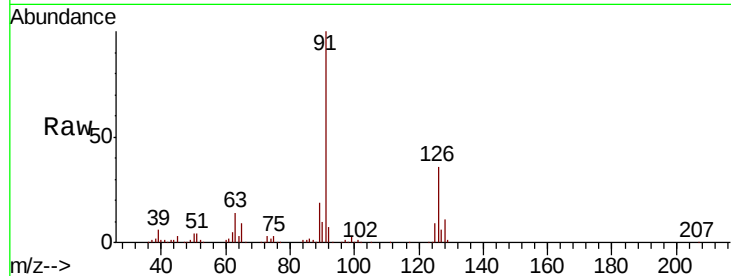
VN0831WBS01

Tot Ion: 91 Resp: 415493

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.05 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050980.D

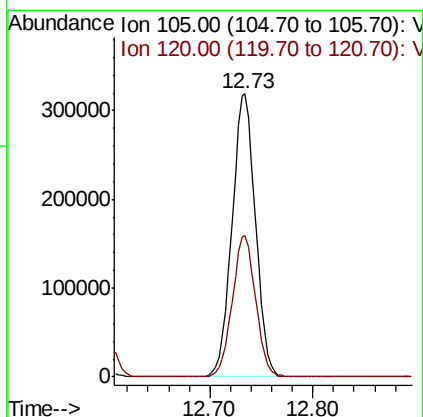
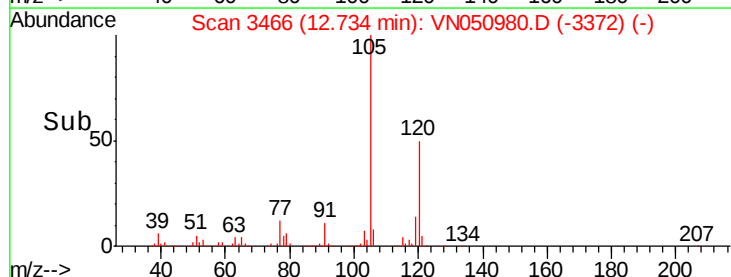
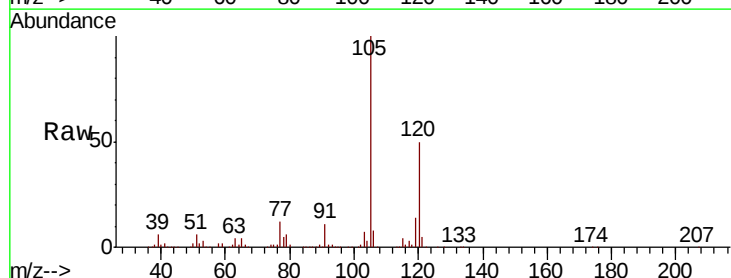
Acq: 31 Aug 2018 11:58

Tgt Ion: 105 Resp: 504876

Ion Ratio Lower Upper

105 100

120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.71 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

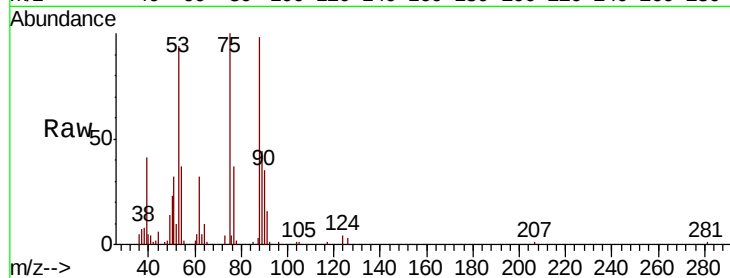
Tot Ion: 75 Resp: 32929

Ion Ratio Lower Upper

75 100

53 91.6 68.9 103.3

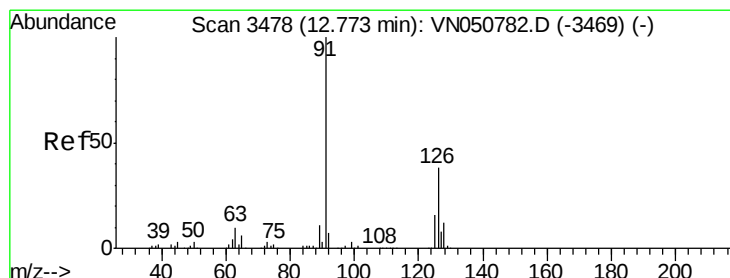
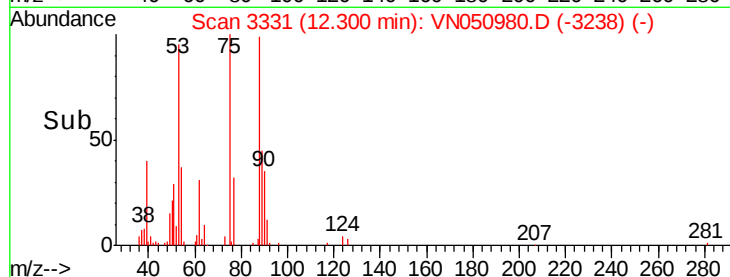
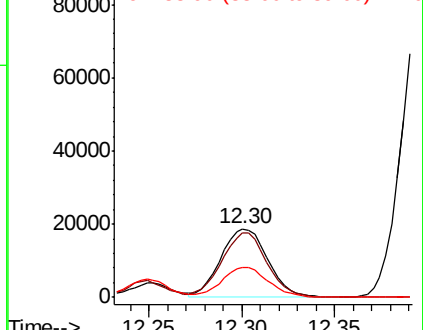
89 43.4 36.1 54.1



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: 20.24 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050980.D

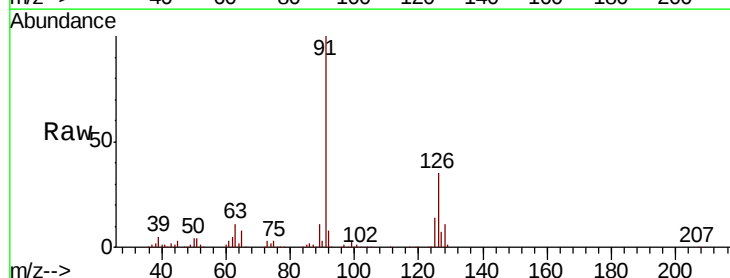
Acq: 31 Aug 2018 11:58

Tgt Ion: 91 Resp: 413215

Ion Ratio Lower Upper

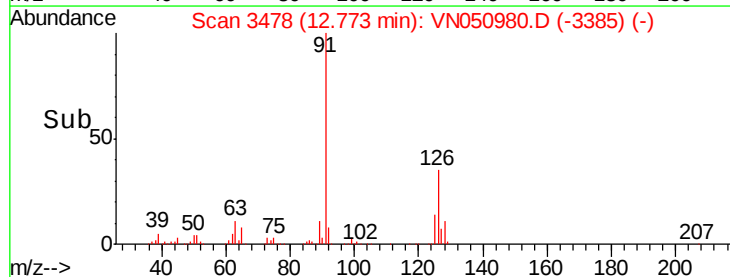
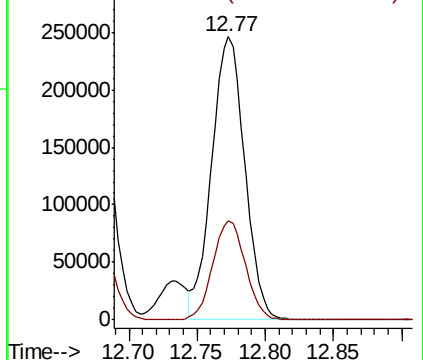
91 100

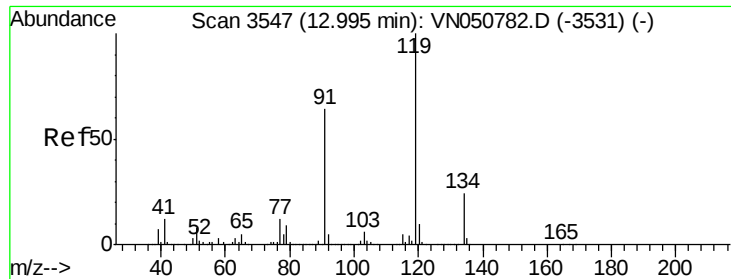
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

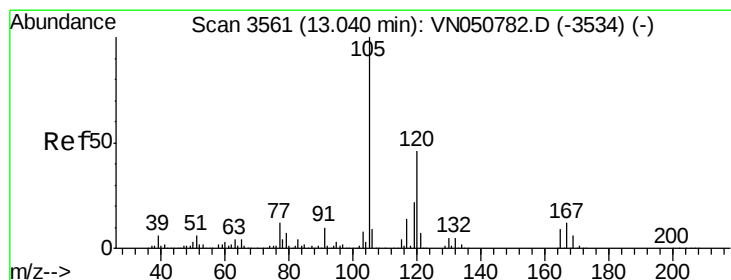
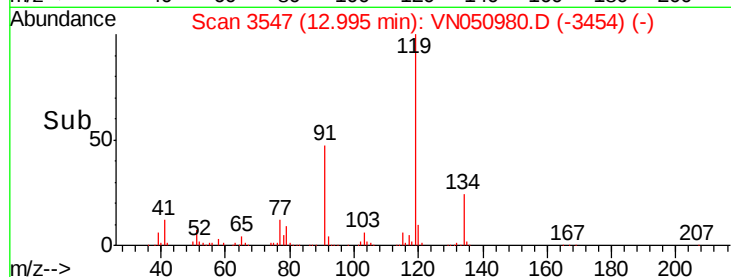
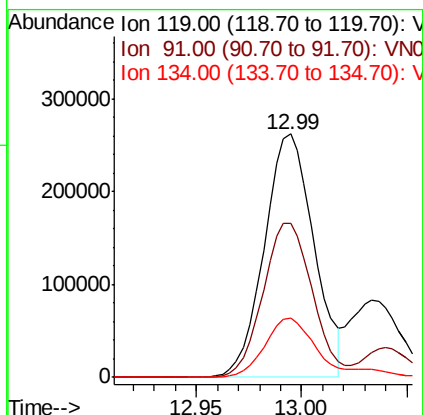
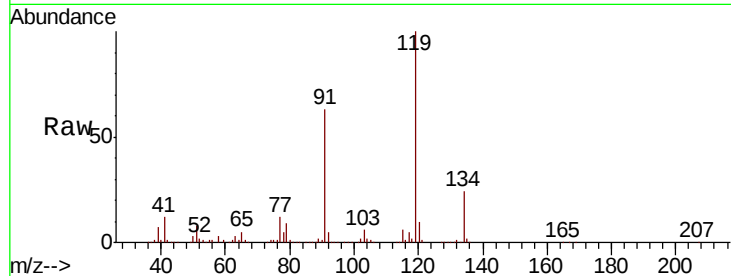




#83
 tert-Butylbenzene
 Concen: 20.64 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

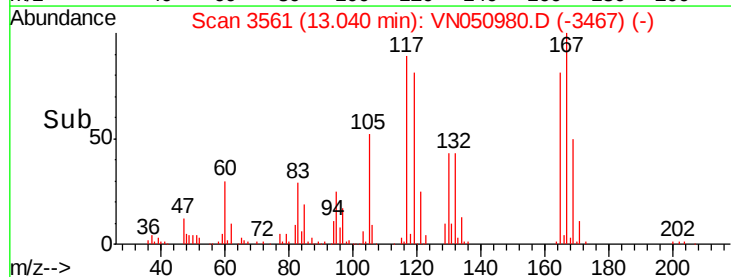
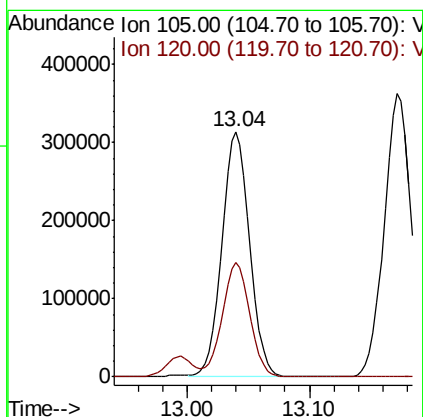
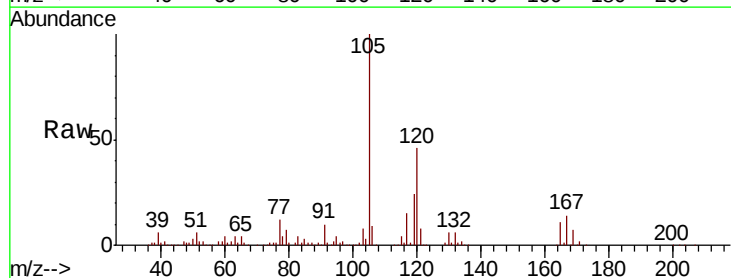
Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBS01

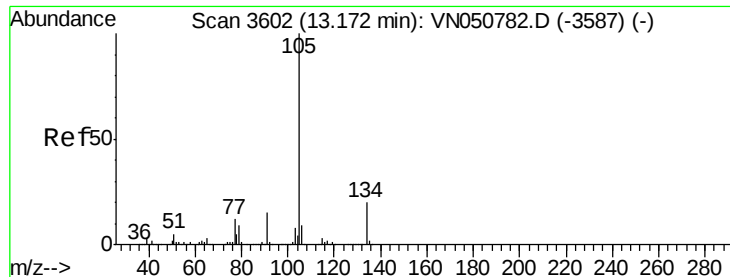
Tot Ion:119 Resp: 428685
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.6 94.7
 134 24.6 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.74 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion:105 Resp: 500209
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

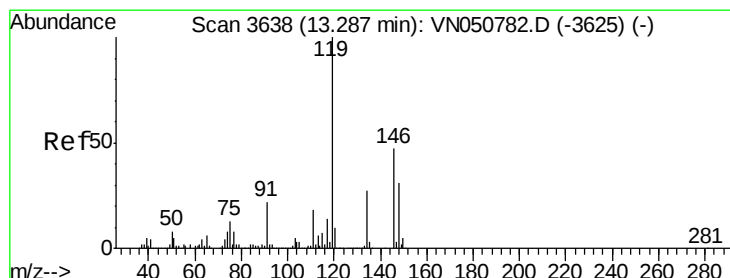
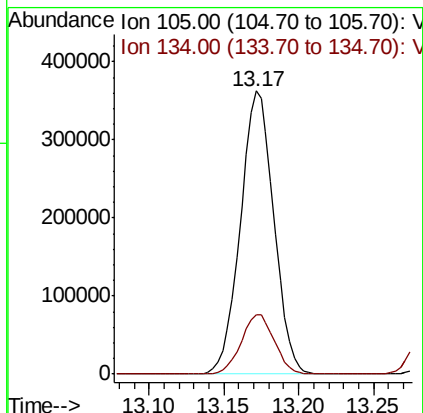
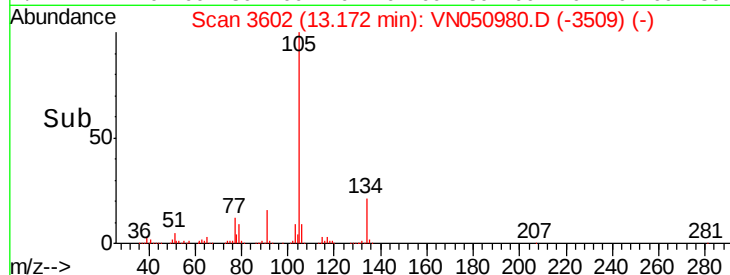
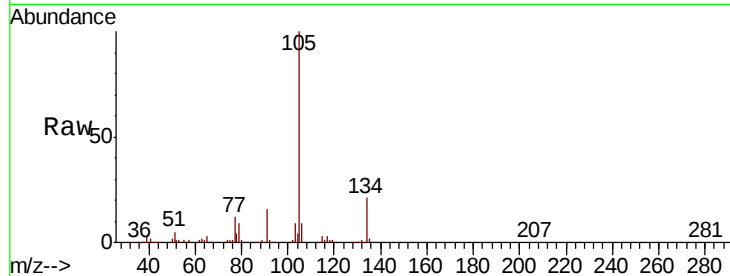
VN0831WBS01

Tot Ion:105 Resp: 563243

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.95 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

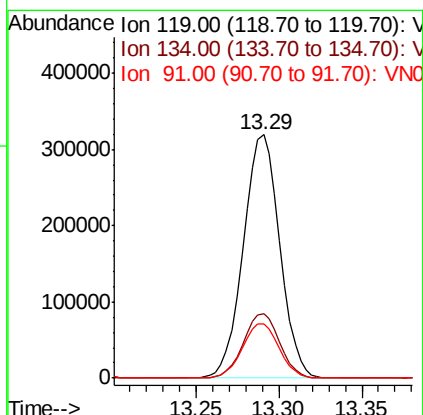
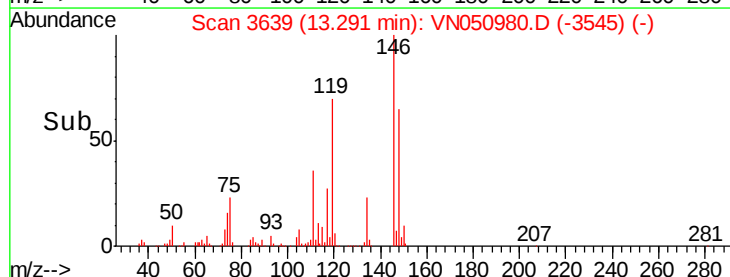
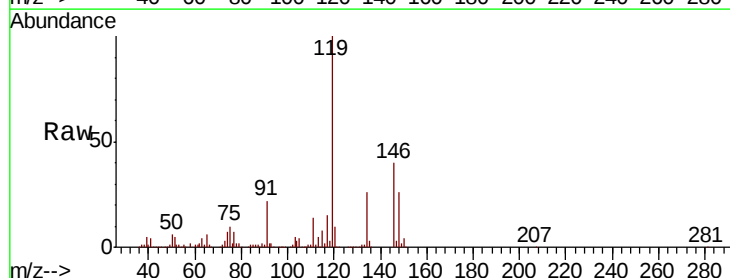
Tgt Ion:119 Resp: 485856

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

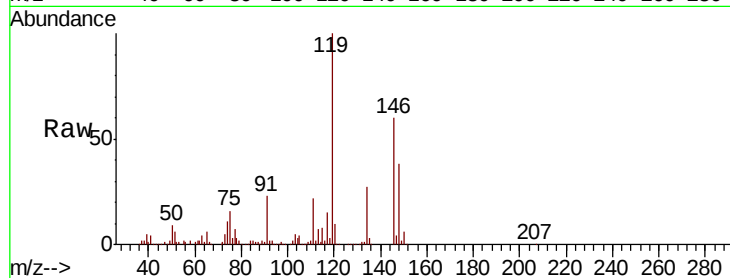
Tot Ion:146 Resp: 266783

Ion Ratio Lower Upper

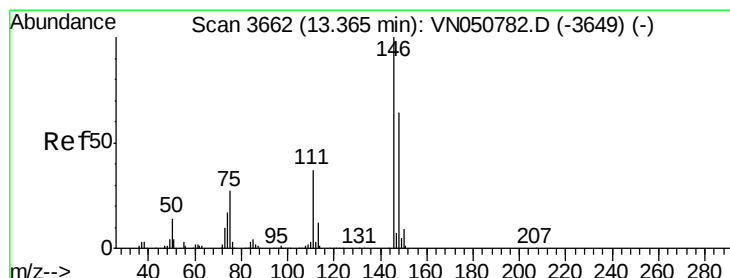
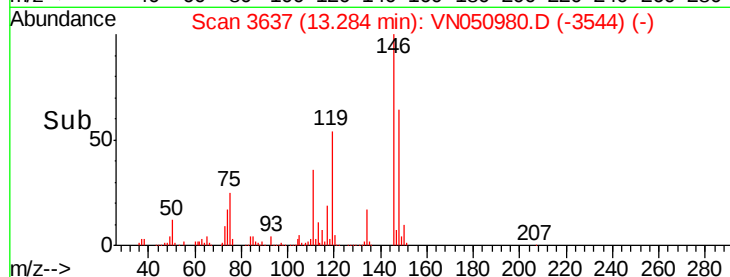
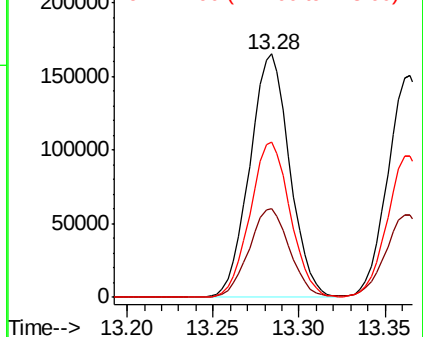
146 100

111 37.0 19.1 57.3

148 64.1 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 18.63 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

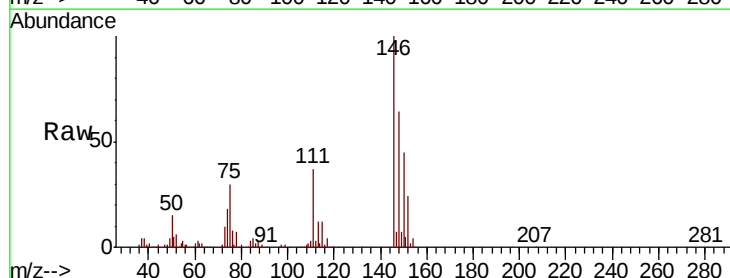
Tgt Ion:146 Resp: 251306

Ion Ratio Lower Upper

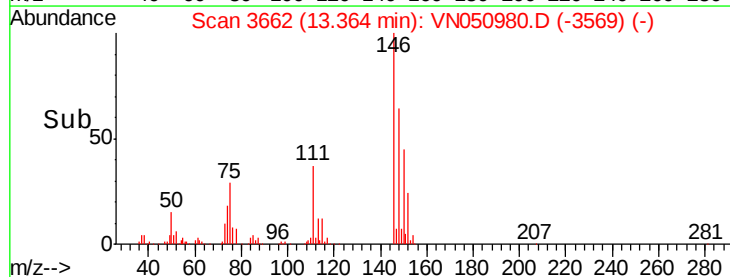
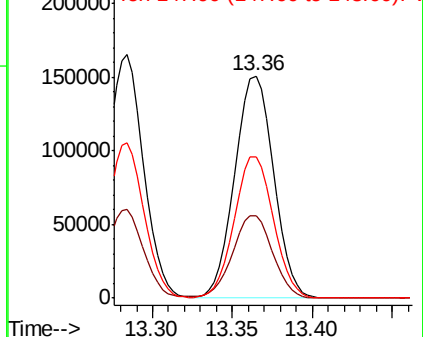
146 100

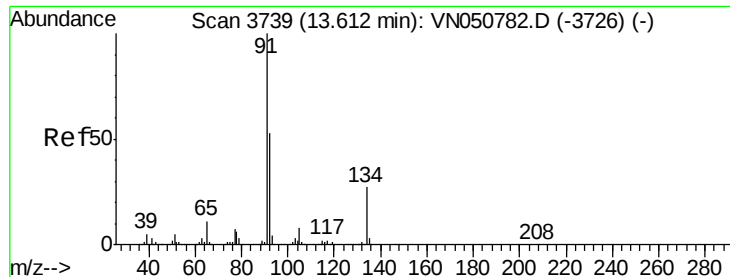
111 38.4 18.8 56.3

148 64.0 32.2 96.6



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





#89

n-Butylbenzene

Concen: 19.00 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

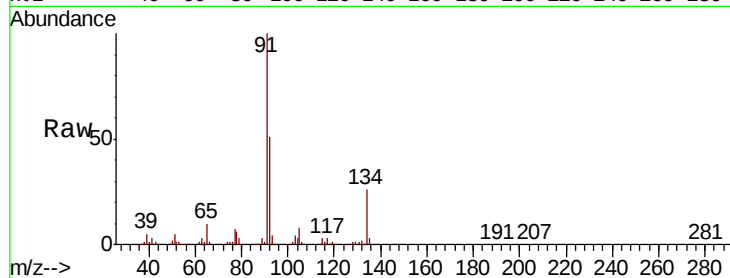
Tot Ion: 91 Resp: 352382

Ion Ratio Lower Upper

91 100

92 50.8 26.1 78.2

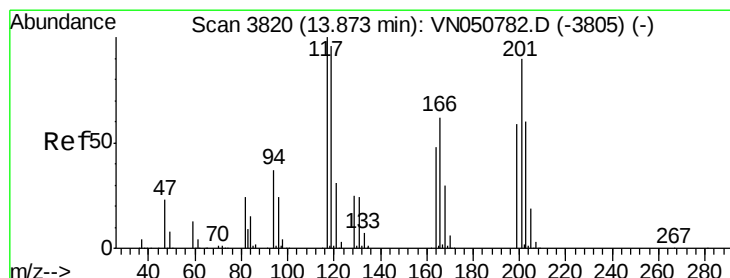
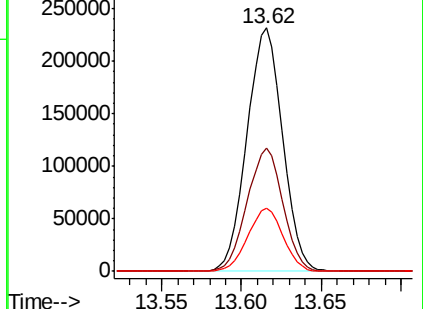
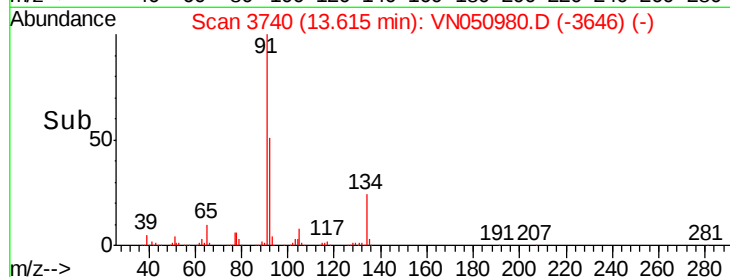
134 25.8 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90

Hexachloroethane

Concen: 21.32 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050980.D

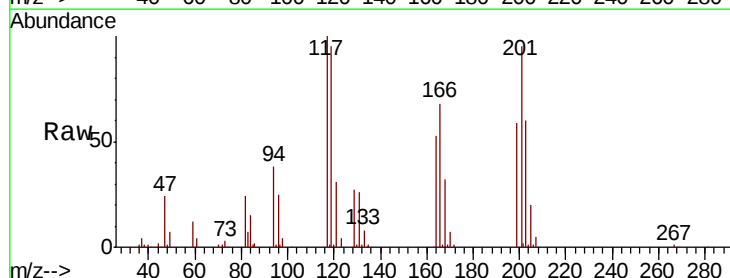
Acq: 31 Aug 2018 11:58

Tgt Ion: 117 Resp: 93756

Ion Ratio Lower Upper

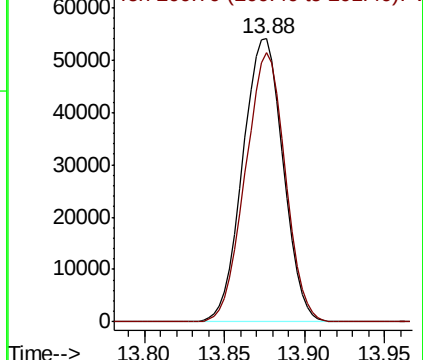
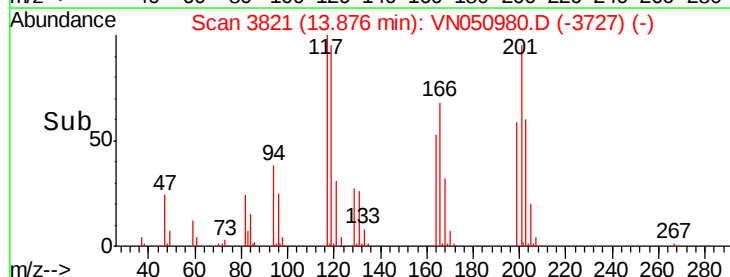
117 100

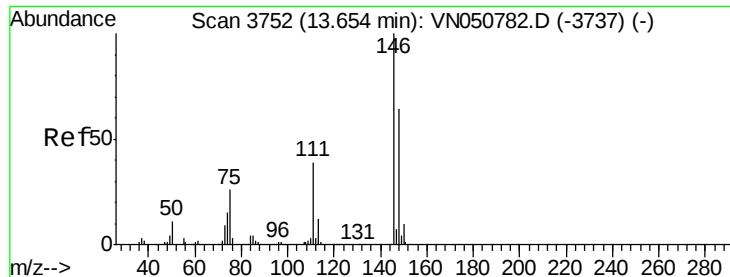
201 93.8 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)

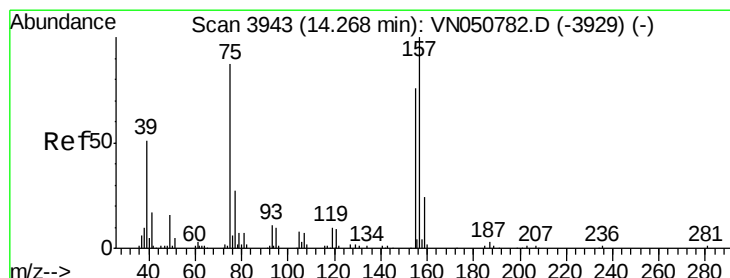
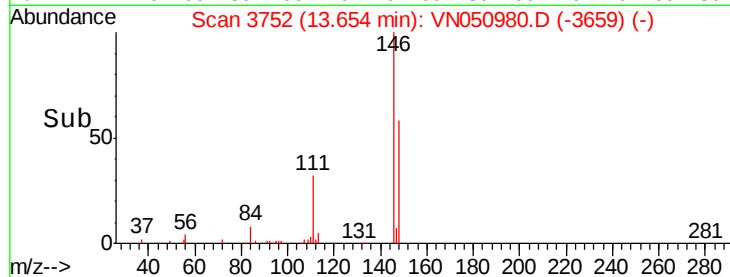
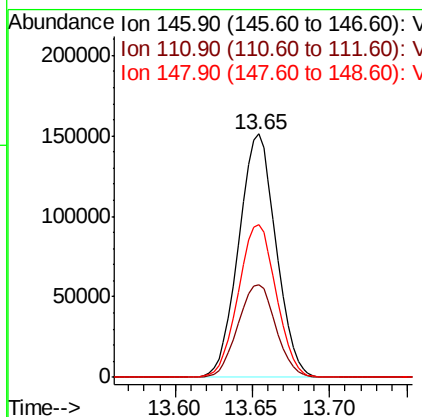
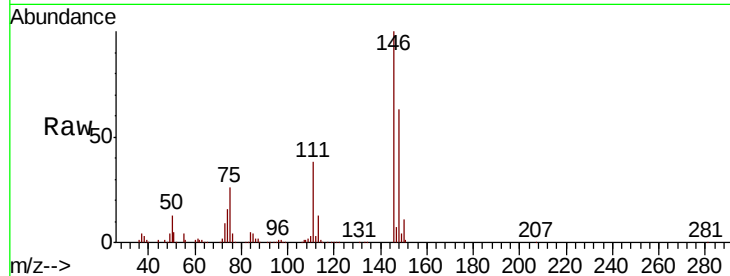




#91
 1,2-Dichlorobenzene
 Concen: 19.18 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

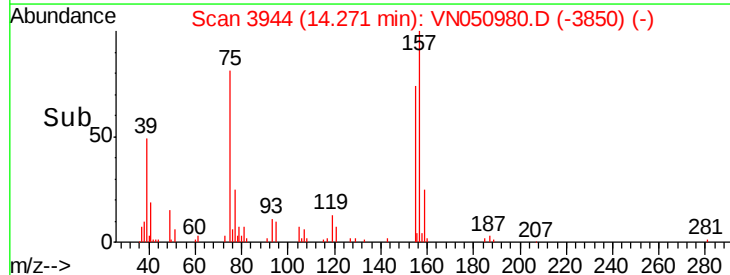
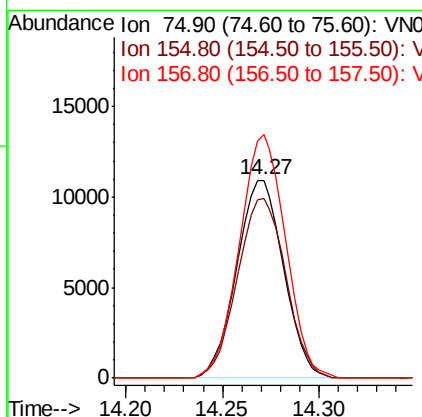
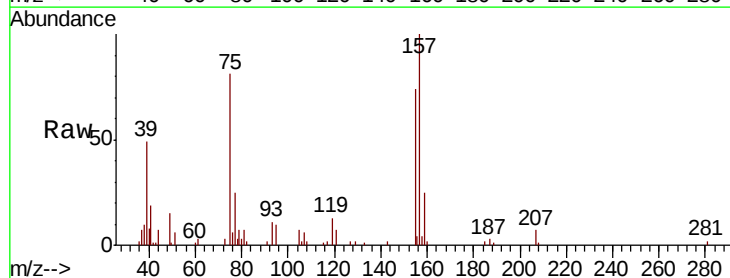
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

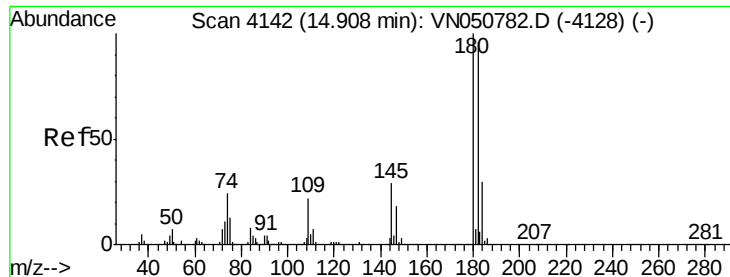
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	63.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.26 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	46.4	139.1
157	121.2	60.7	182.0

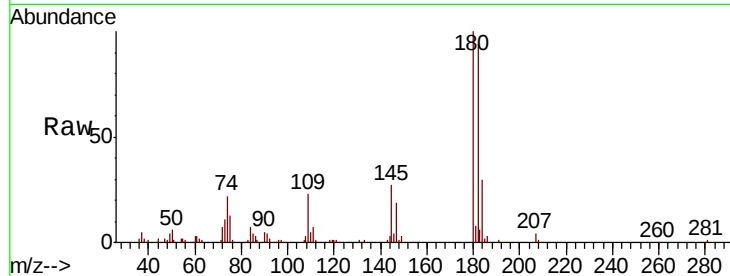




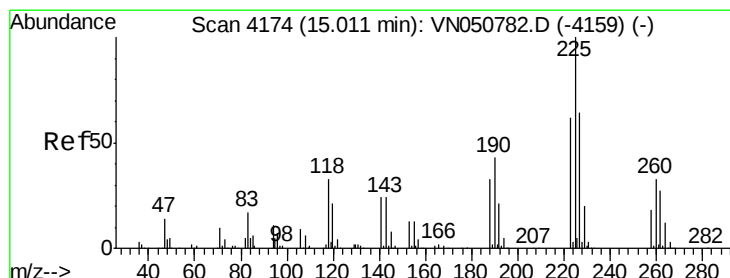
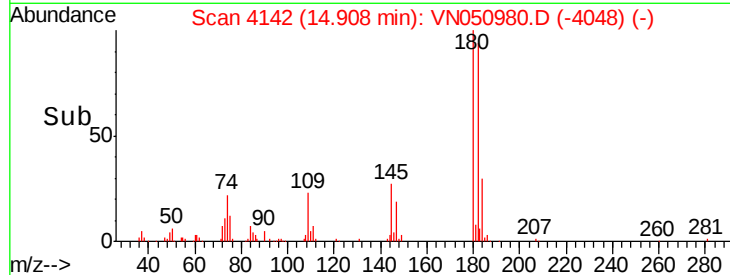
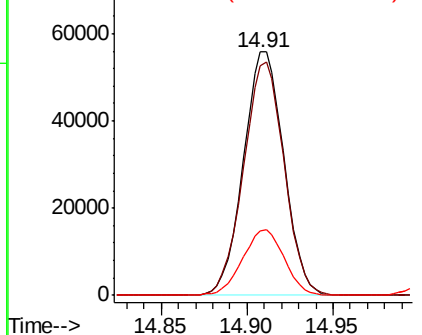
#93
 1,2,4-Trichlorobenzene
 Concen: 16.26 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBS01

Tot Ion:180 Resp: 91189
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.2 144.6
 145 27.6 14.1 42.2

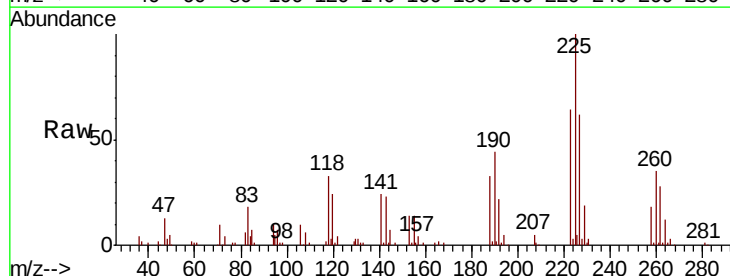


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

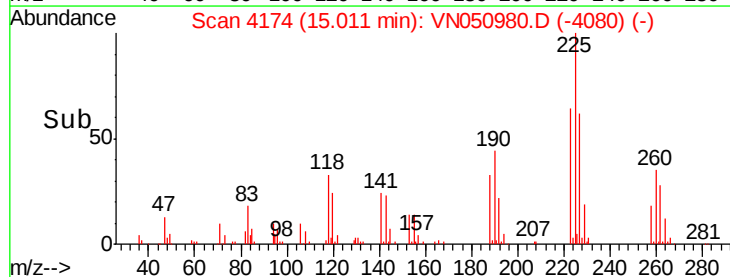
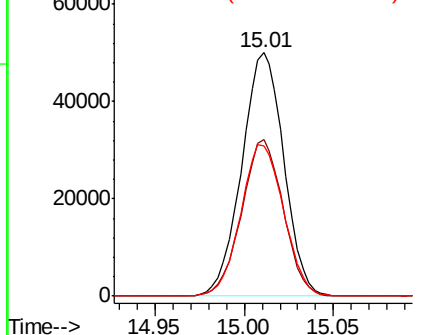


#94
 Hexachlorobutadiene
 Concen: 20.42 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion:225 Resp: 82650
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.8
 227 63.5 32.0 96.2



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





#95

Naphthalene

Concen: 15.25 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

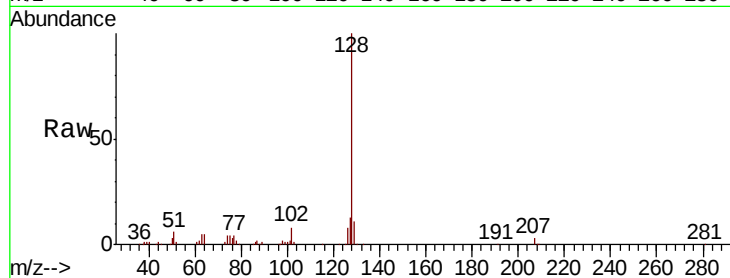
Tot Ion:128 Resp: 158415

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

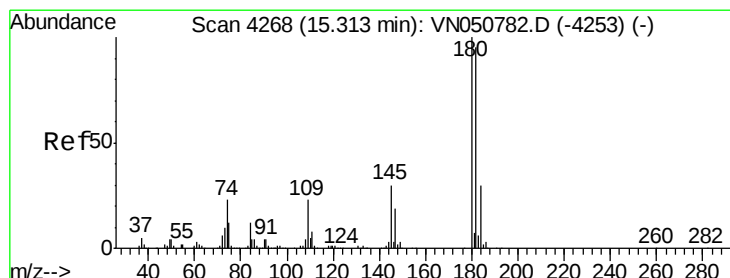
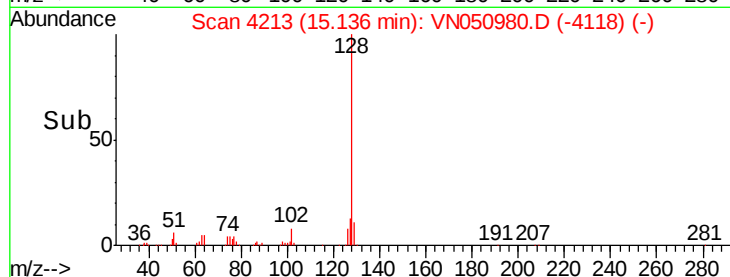
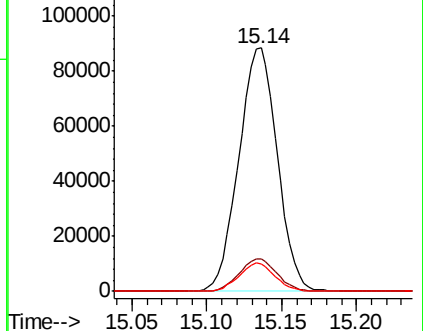
129 10.9 8.7 13.1



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: 17.15 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

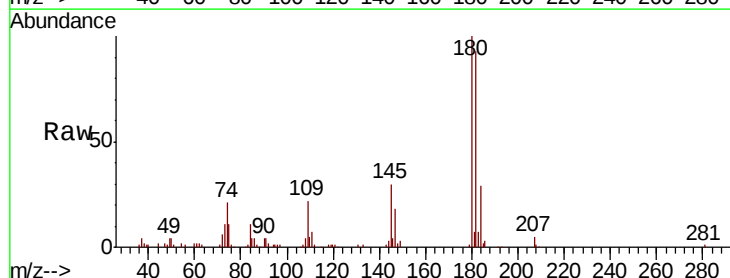
Tgt Ion:180 Resp: 95649

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.2

145 30.4 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

