

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050920.D
 Acq On : 28 Aug 2018 18:13
 Operator : MD\SY
 Sample : VN0828WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Quant Time: Aug 29 03:53:09 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	597355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	851332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	360743	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	369299	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	347594	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	1283722	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	400448	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	156500	19.58	ug/l	100
3) Chloromethane	2.06	50	172019	17.45	ug/l	99
4) Vinyl Chloride	2.18	62	171310	18.34	ug/l	99
5) Bromomethane	2.56	94	98439	17.86	ug/l	93
6) Chloroethane	2.70	64	100358	18.60	ug/l	99
7) Trichlorofluoromethane	3.01	101	229375	19.18	ug/l	97
8) Diethyl Ether	3.41	74	79990	19.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143256	19.17	ug/l	100
10) Methyl Iodide	3.95	142	107510	20.66	ug/l	99
11) Tert butyl alcohol	4.80	59	53698	117.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	128285	19.12	ug/l	95
13) Acrolein	3.61	56	19856	86.85	ug/l	97
14) Allyl chloride	4.32	41	195669	18.72	ug/l	99
15) Acrylonitrile	4.99	53	249553	107.23	ug/l	99
16) Acetone	3.82	43	173059	97.31	ug/l	98
17) Carbon Disulfide	4.05	76	376628	16.75	ug/l	99
18) Methyl Acetate	4.33	43	155402	22.88	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	356374	21.12	ug/l	99
20) Methylene Chloride	4.55	84	149915	18.50	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	136720	18.84	ug/l	99
22) Diisopropyl ether	5.96	45	433104	20.79	ug/l	97
23) Vinyl Acetate	5.90	43	1340361	99.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	260750	19.49	ug/l	100
25) 2-Butanone	6.84	43	275218	94.97	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189314	17.61	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	153236	19.59	ug/l	100
28) Bromochloromethane	7.20	49	111923	19.69	ug/l	100
29) Tetrahydrofuran	7.22	42	188569	113.49	ug/l	99
30) Chloroform	7.37	83	260917	19.70	ug/l	98
31) Cyclohexane	7.66	56	222718	18.61	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	219958	19.33	ug/l	100
36) 1,1-Dichloropropene	7.80	75	191884	19.10	ug/l	99
37) Ethyl Acetate	6.94	43	126350	21.89	ug/l	97
38) Carbon Tetrachloride	7.78	117	195103	19.21	ug/l	100

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Quant Time: Aug 29 03:53:09 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	198701	18.28	ug/l	99
40) Benzene	8.04	78	597068	19.71	ug/l	99
41) Methacrylonitrile	7.17	41	50588	16.20	ug/l #	76
42) 1,2-Dichloroethane	8.13	62	180665	19.95	ug/l	99
43) Isopropyl Acetate	8.17	43	210067	21.17	ug/l #	87
44) Trichloroethene	8.84	130	154281	19.31	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157027	19.72	ug/l	100
46) Dibromomethane	9.21	93	93254	19.93	ug/l	100
47) Bromodichloromethane	9.40	83	193643	19.76	ug/l	98
48) Methyl methacrylate	9.20	41	107443	21.25	ug/l	98
49) 1,4-Dioxane	9.20	88	30969	449.25	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	623184	105.25	ug/l	99
52) Toluene	10.16	92	359514	20.03	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	184789	18.95	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	218090	19.53	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	136115	20.44	ug/l	99
56) Ethyl methacrylate	10.43	69	158064	19.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225575	20.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	332395	95.84	ug/l	99
59) 2-Hexanone	10.75	43	391271	99.26	ug/l	99
60) Dibromochloromethane	10.90	129	147379	19.76	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129106	20.05	ug/l	100
64) Tetrachloroethene	10.63	164	142034	19.86	ug/l	99
65) Chlorobenzene	11.44	112	383080	19.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146360	20.32	ug/l	98
67) Ethyl Benzene	11.51	91	627269	19.60	ug/l	99
68) m/p-Xylenes	11.62	106	492793	40.57	ug/l	99
69) o-Xylene	11.95	106	231949	19.86	ug/l	99
70) Styrene	11.97	104	365672	18.59	ug/l	99
71) Bromoform	12.13	173	99705	20.13	ug/l #	100
73) Isopropylbenzene	12.25	105	622857	20.85	ug/l	100
74) N-amyl acetate	12.07	43	155943	20.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	171559	23.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	192542	30.47	ug/l #	100
77) Bromobenzene	12.53	156	160813	19.81	ug/l	99
78) n-propylbenzene	12.59	91	680331	20.39	ug/l	100
79) 2-Chlorotoluene	12.68	91	424995	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	507844	21.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37147	19.87	ug/l	97
82) 4-Chlorotoluene	12.77	91	414989	20.22	ug/l	100
83) tert-Butylbenzene	12.99	119	436349	20.90	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	507424	20.93	ug/l	99
85) sec-Butylbenzene	13.17	105	566787	20.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	478351	20.52	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266374	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	256303	18.90	ug/l	100
89) n-Butylbenzene	13.62	91	348416	18.69	ug/l	99
90) Hexachloroethane	13.88	117	91819	20.78	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	264358	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22662	21.12	ug/l	98

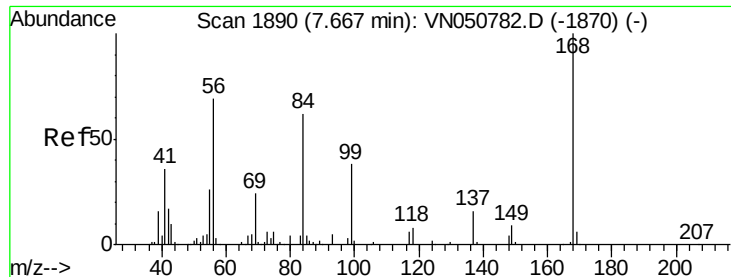
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
Data File : VN050920.D
Acq On : 28 Aug 2018 18:13
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Sample : VN0828WBS02
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Quant Time: Aug 29 03:53:09 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	103154	17.78	ug/l	98
94) Hexachlorobutadiene	15.01	225	81988	20.14	ug/l	99
95) Naphthalene	15.14	128	198442	17.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	105002	18.43	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

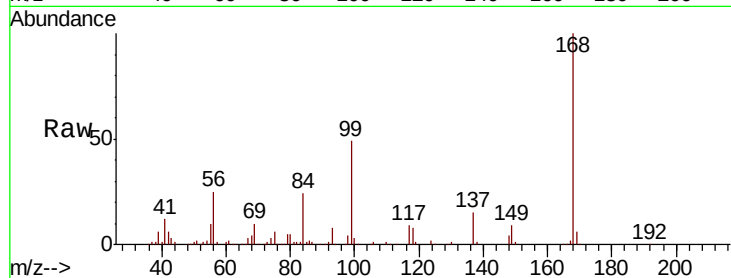
VN0828WBS02

Tot Ion:168 Resp: 597355

Ion Ratio Lower Upper

168 100

99 48.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

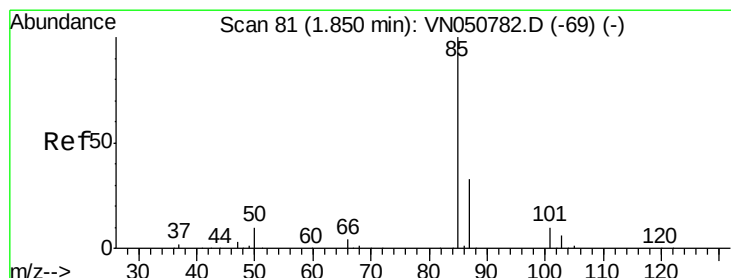
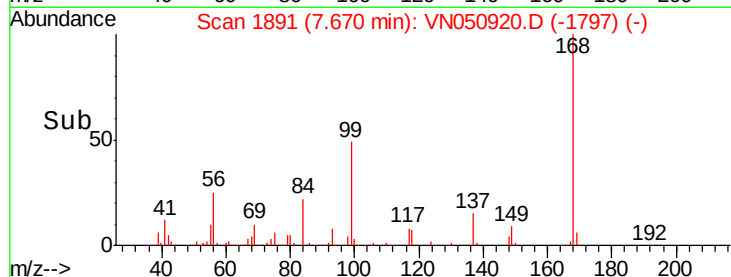
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.58 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050920.D

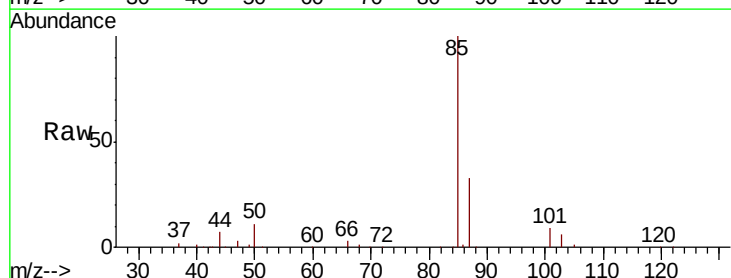
Acq: 28 Aug 2018 18:13

Tgt Ion: 85 Resp: 156500

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

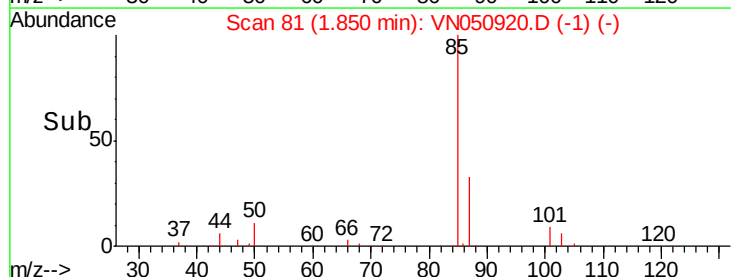
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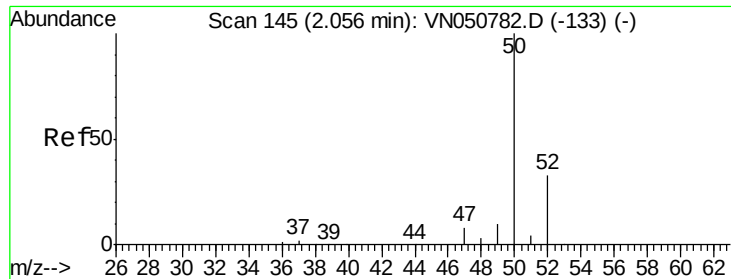
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

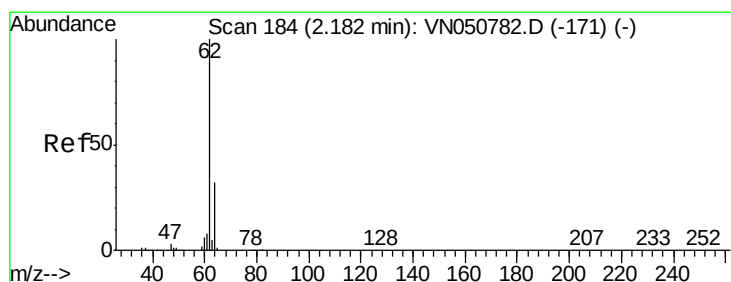
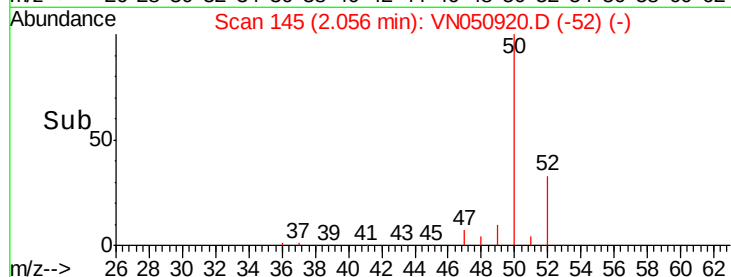
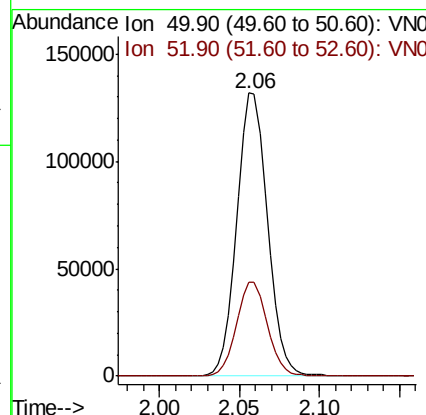
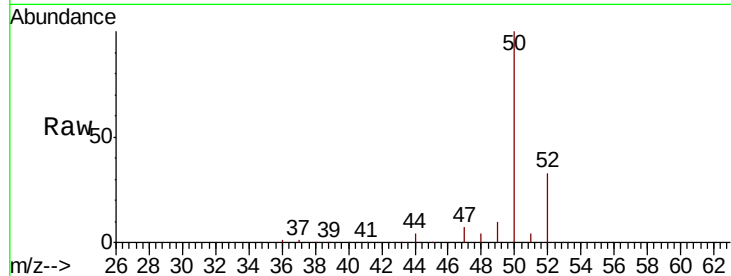
VN0828WBS02

Tot Ion: 50 Resp: 172019

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



#4

Vinyl Chloride

Concen: 18.34 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050920.D

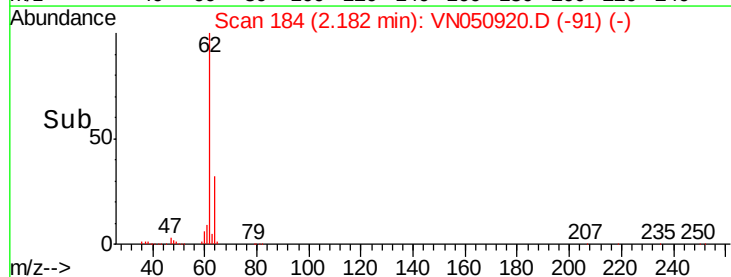
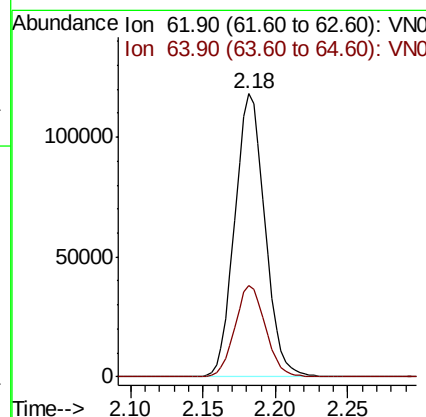
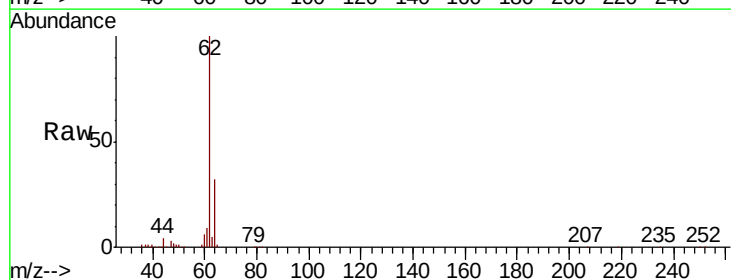
Acq: 28 Aug 2018 18:13

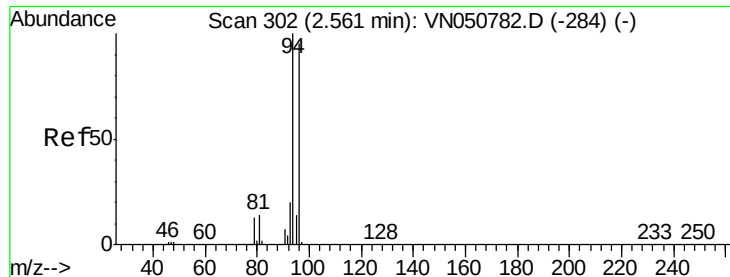
Tgt Ion: 62 Resp: 171310

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 17.86 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

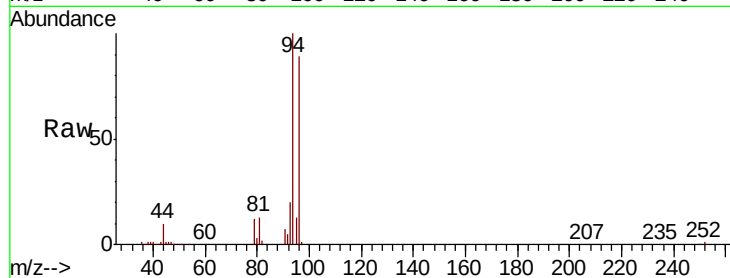
VN0828WBS02

Tot Ion: 94 Resp: 98439

Ion Ratio Lower Upper

94 100

96 88.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

30000

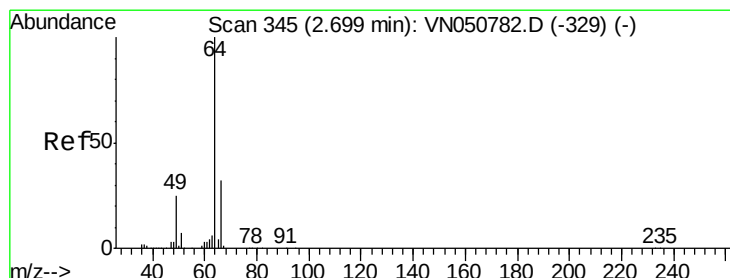
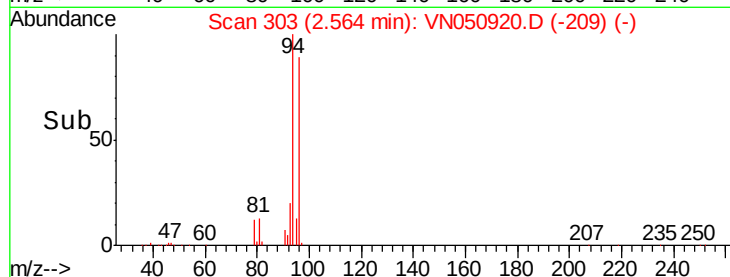
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.60 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050920.D

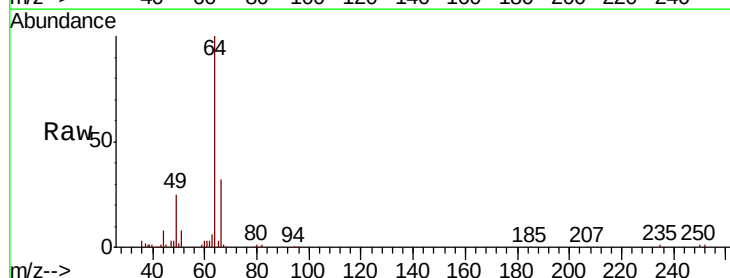
Acq: 28 Aug 2018 18:13

Tgt Ion: 64 Resp: 100358

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

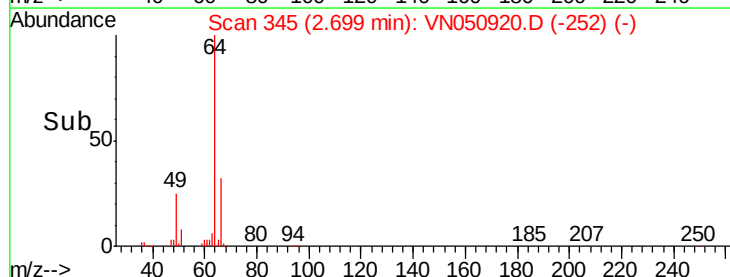
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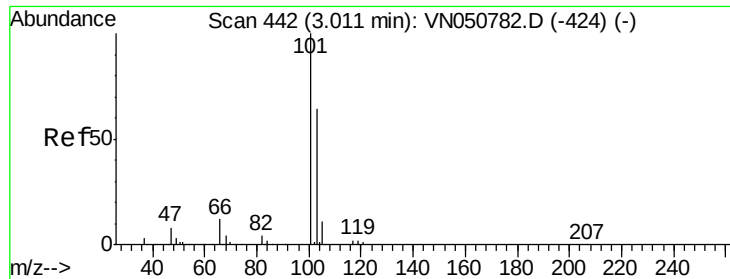
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



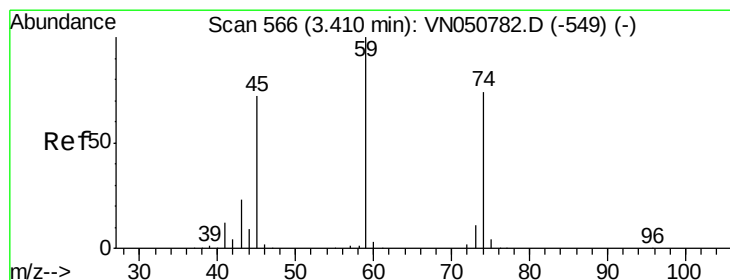
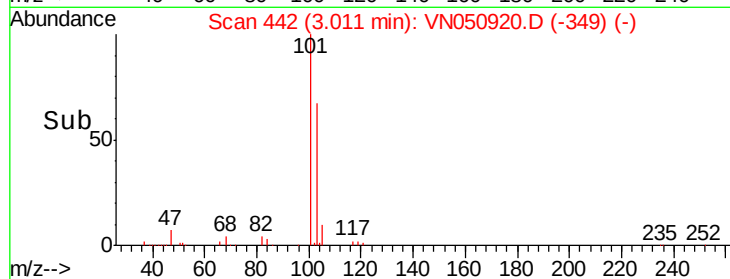
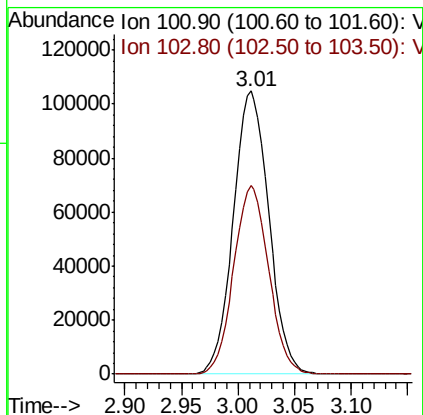
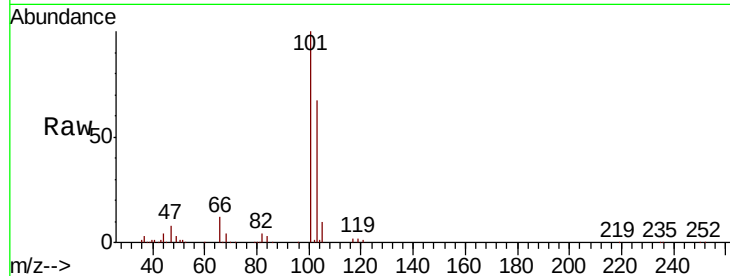


#7

Trichlorofluoromethane
 Concen: 19.18 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

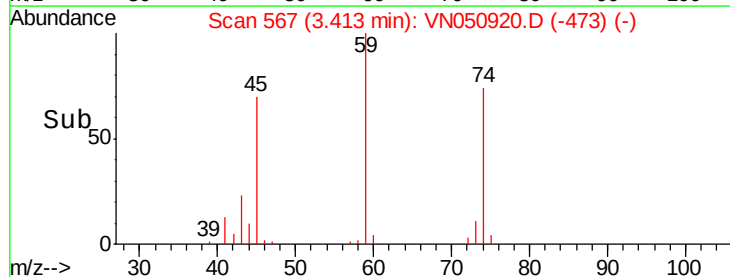
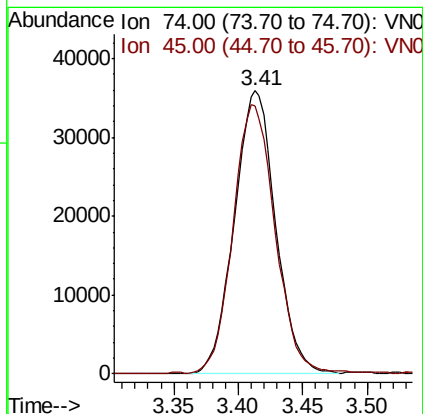
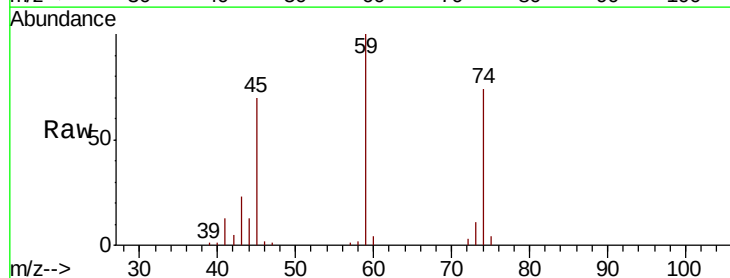
Tot Ion:101 Resp: 229375
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.6 77.4

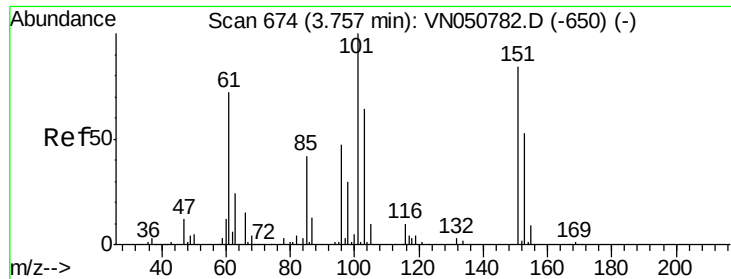


#8

Diethyl Ether
 Concen: 19.67 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 74 Resp: 79990
 Ion Ratio Lower Upper
 74 100
 45 97.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

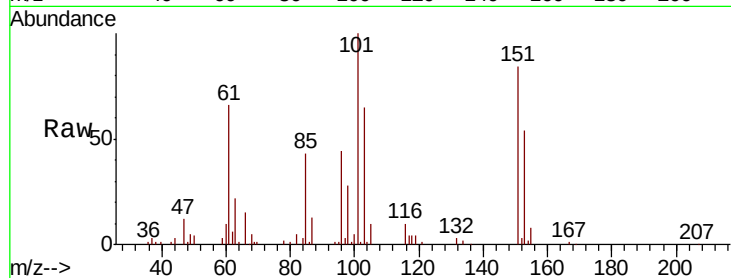
Tot Ion:101 Resp: 143256

Ion Ratio Lower Upper

101 100

85 42.3 33.7 50.5

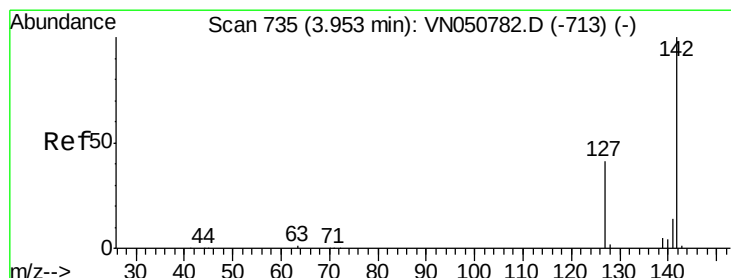
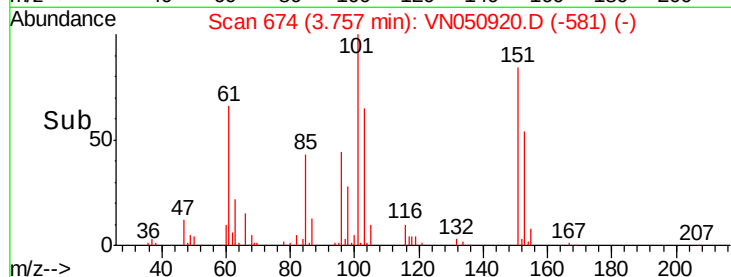
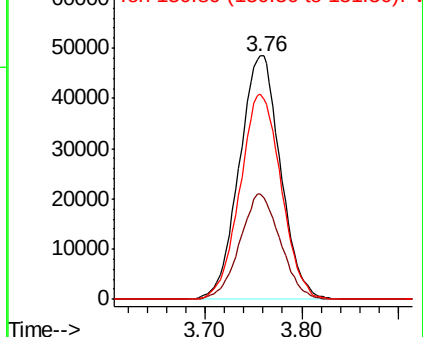
151 84.3 67.4 101.2



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: 20.66 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

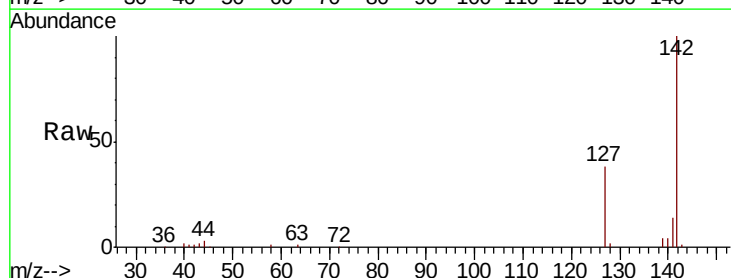
Tgt Ion:142 Resp: 107510

Ion Ratio Lower Upper

142 100

127 40.2 31.7 47.5

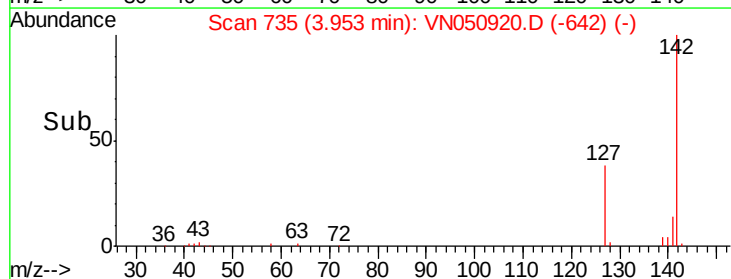
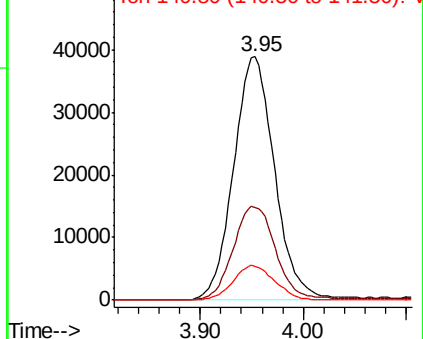
141 14.3 11.4 17.0

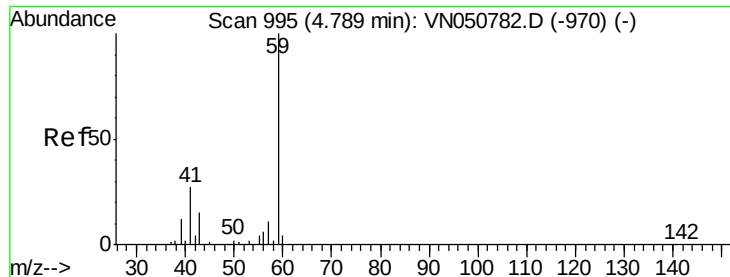


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



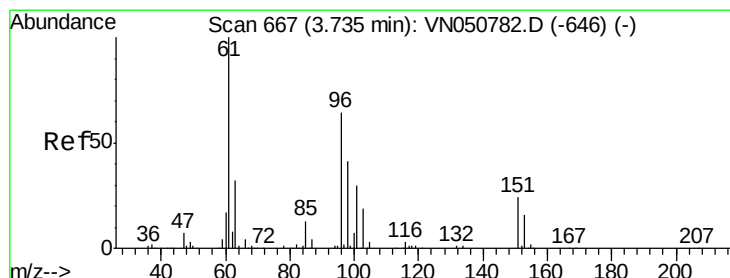
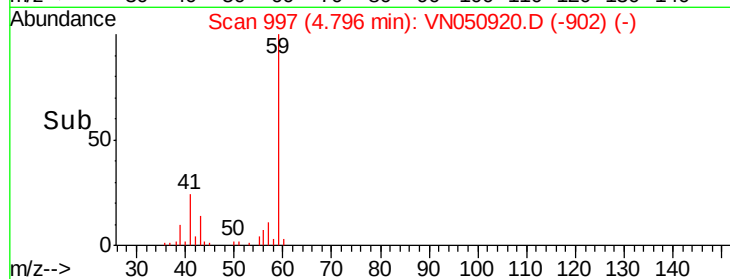
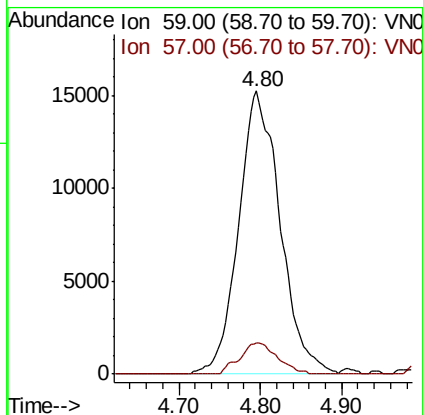
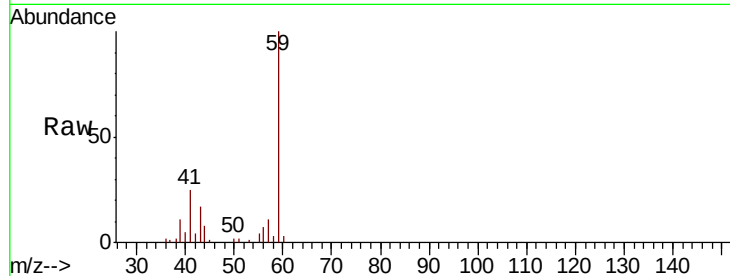


#11

Tert butyl alcohol
 Concen: 117.26 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

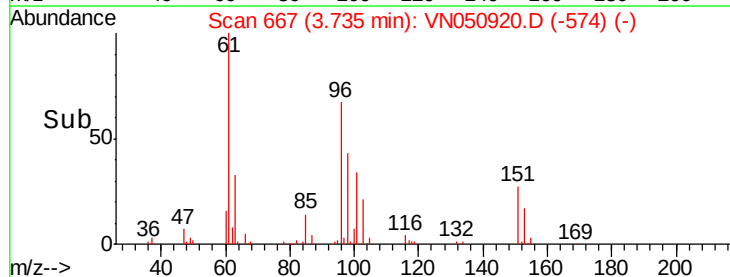
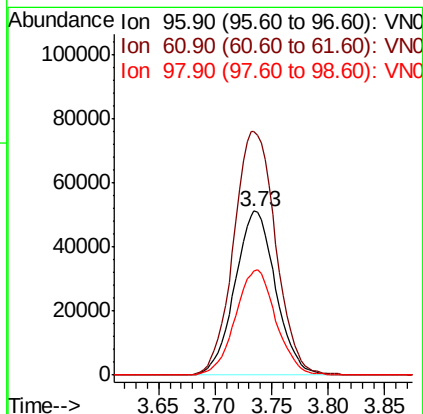
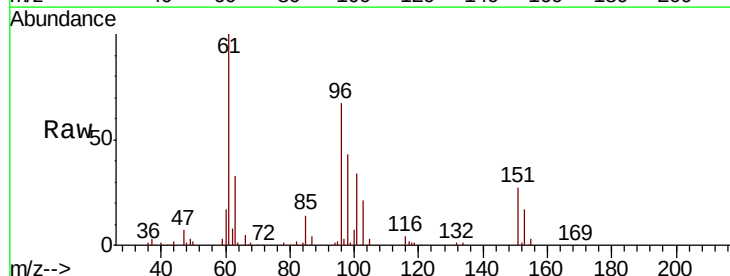
Tot Ion: 59 Resp: 53698
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

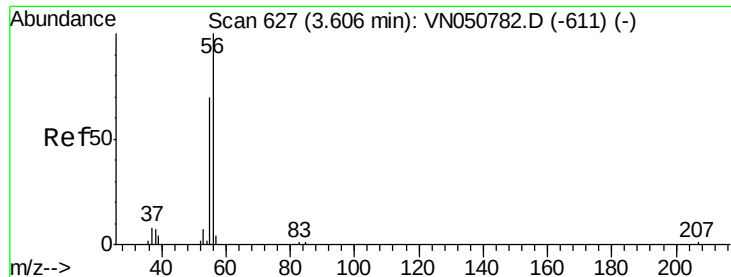


#12

1,1-Dichloroethene
 Concen: 19.12 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 96 Resp: 128285
 Ion Ratio Lower Upper
 96 100
 61 148.0 124.9 187.3
 98 63.1 51.1 76.7





#13

Acrolein

Concen: 86.85 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

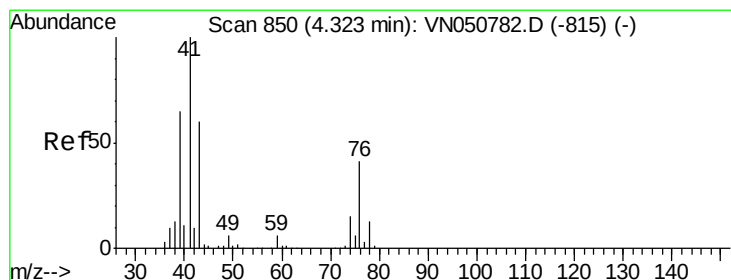
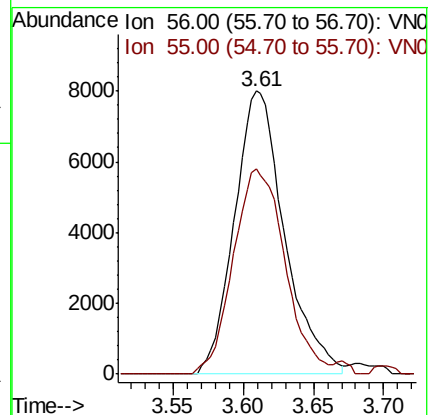
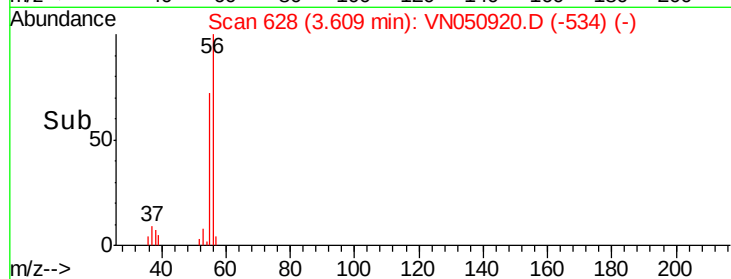
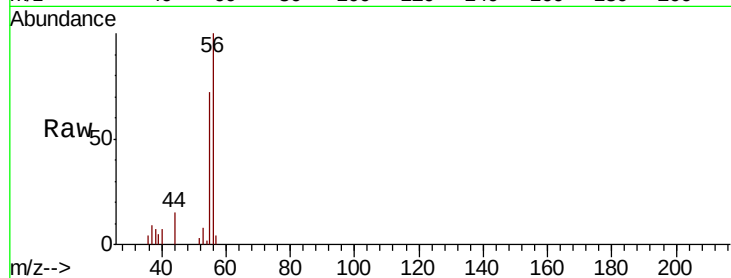
VN0828WBS02

Tot Ion: 56 Resp: 19856

Ion Ratio Lower Upper

56 100

55 74.9 57.7 86.5



#14

Allyl chloride

Concen: 18.72 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

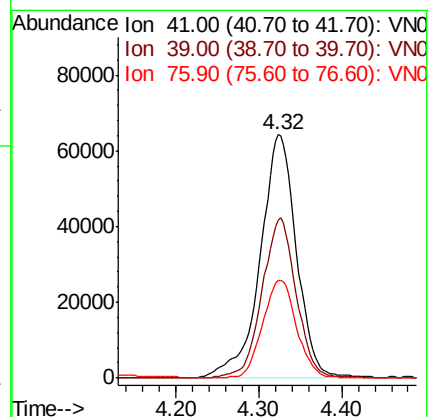
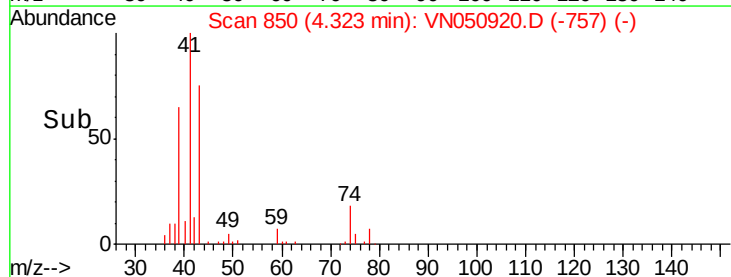
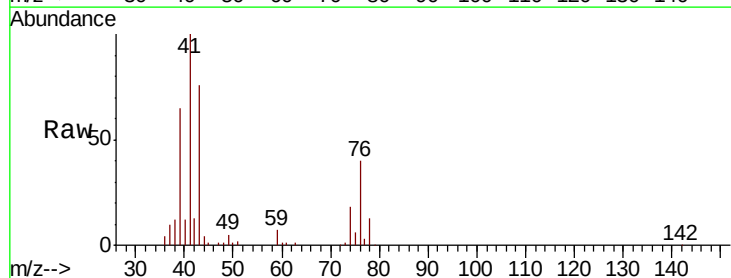
Tgt Ion: 41 Resp: 195669

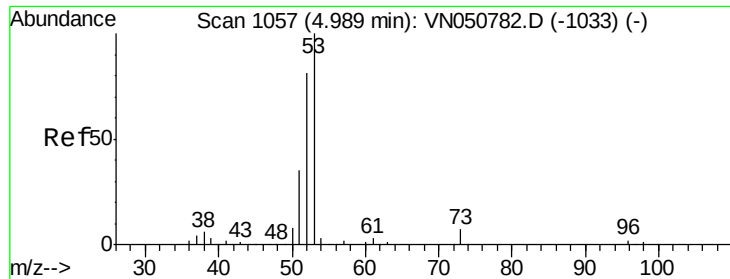
Ion Ratio Lower Upper

41 100

39 62.3 50.2 75.2

76 37.9 29.8 44.8





#15

Acrylonitrile

Concen: 107.23 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

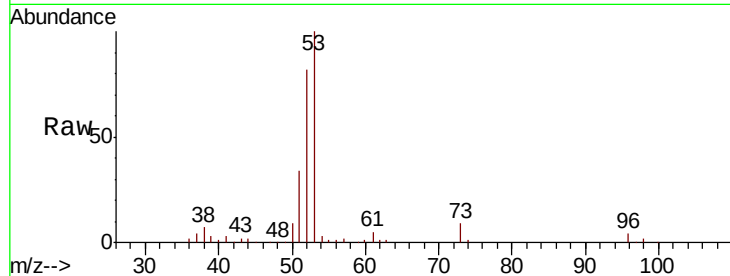
Tot Ion: 53 Resp: 249553

Ion Ratio Lower Upper

53 100

52 81.4 65.9 98.9

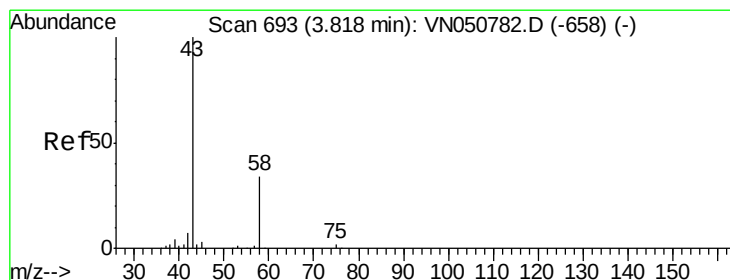
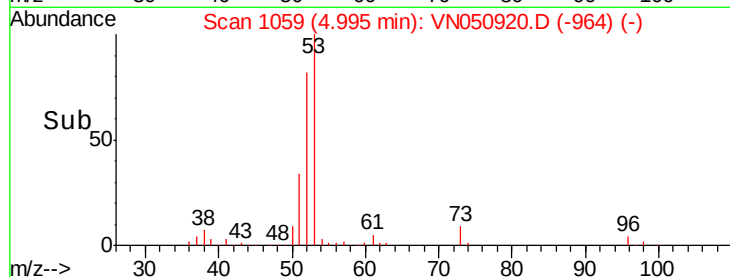
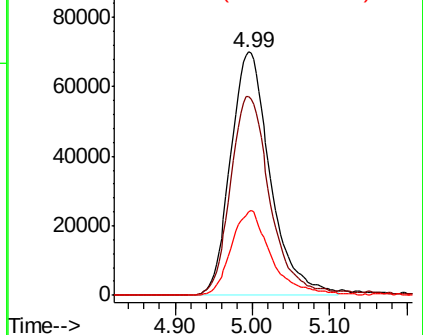
51 35.2 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.31 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050920.D

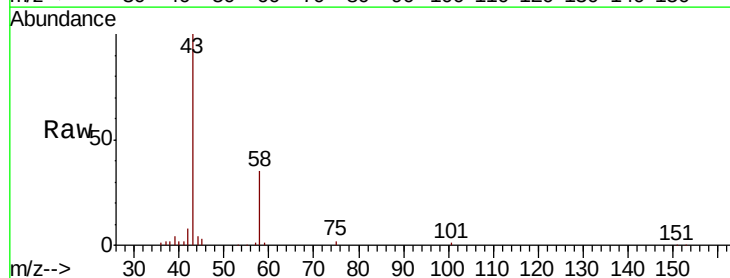
Acq: 28 Aug 2018 18:13

Tgt Ion: 43 Resp: 173059

Ion Ratio Lower Upper

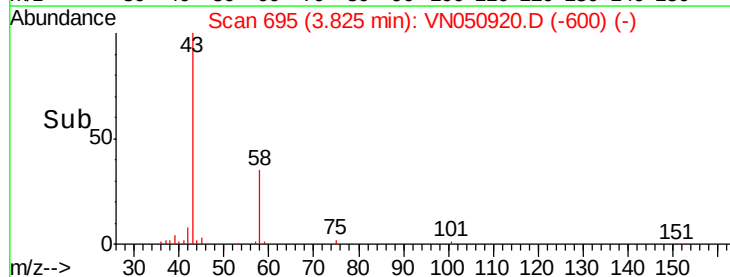
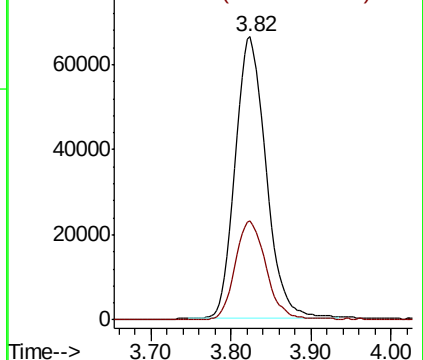
43 100

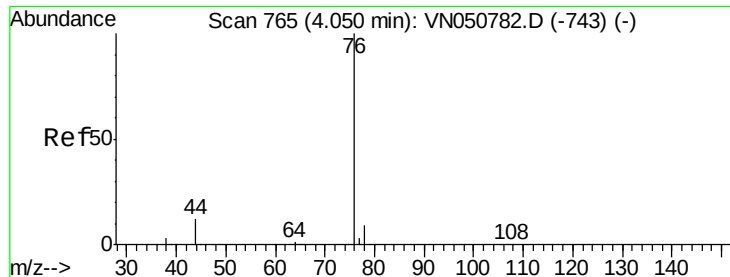
58 35.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.75 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

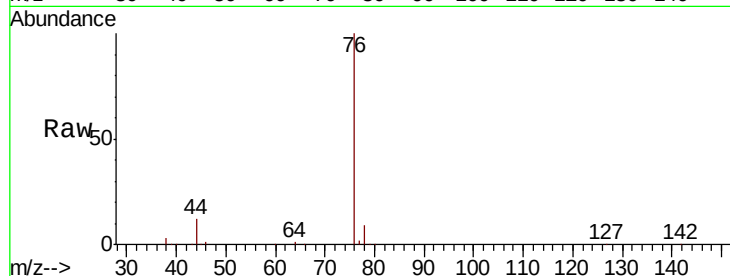
VN0828WBS02

Tot Ion: 76 Resp: 376628

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

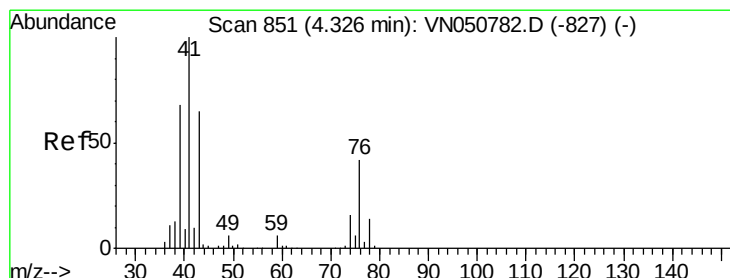
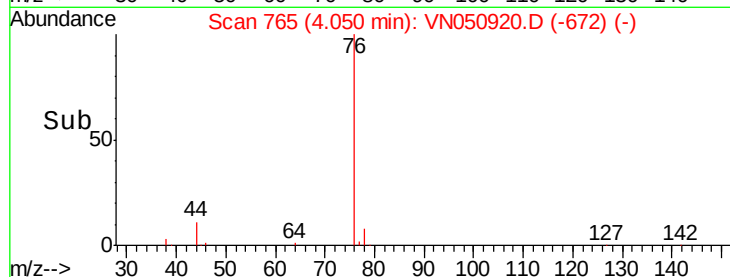
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.88 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050920.D

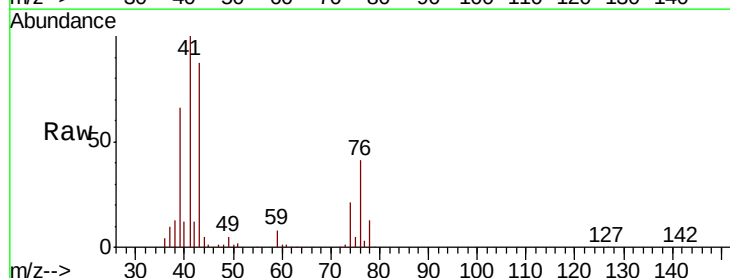
Acq: 28 Aug 2018 18:13

Tgt Ion: 43 Resp: 155402

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

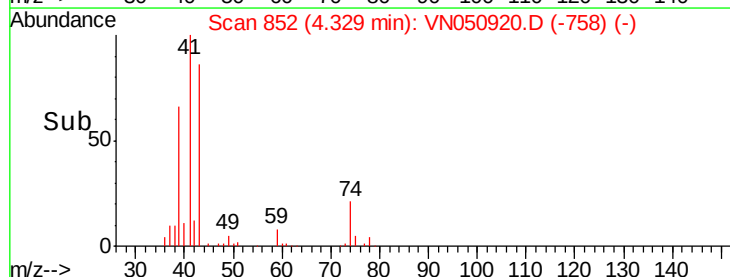
30000

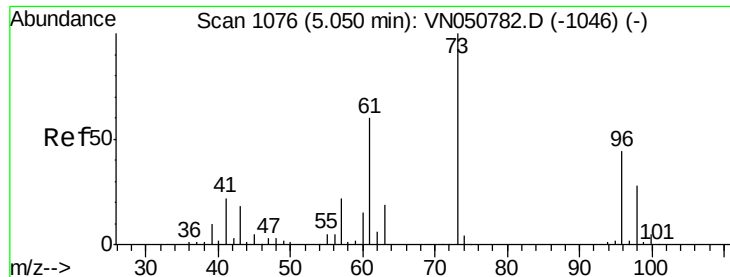
20000

10000

0

Time-->

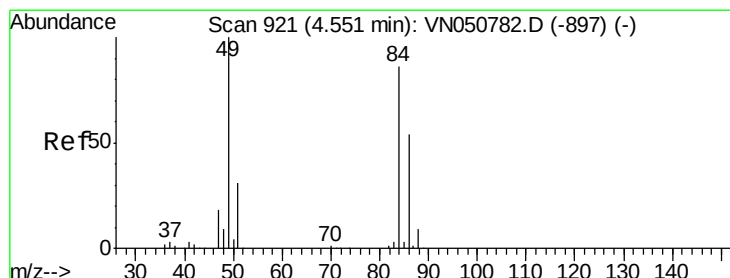
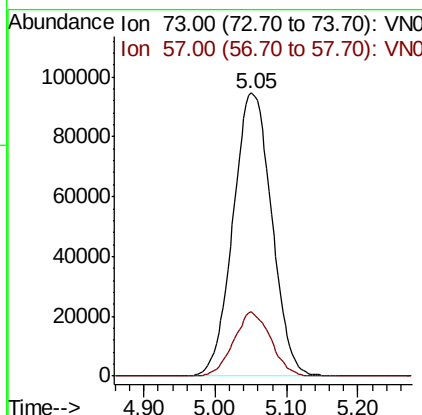
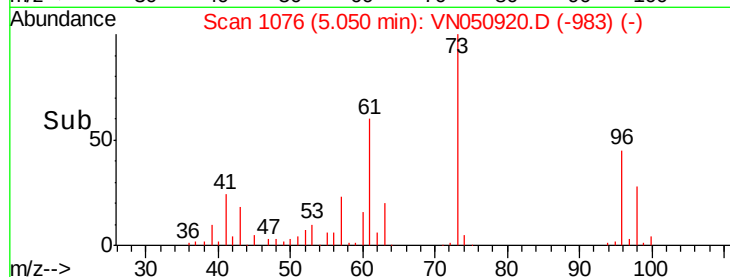
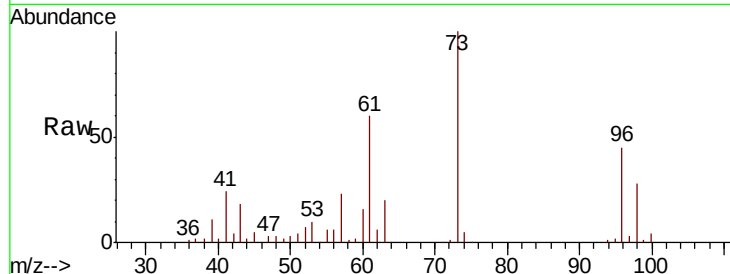




#19
Methyl tert-butyl Ether
Concen: 21.12 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

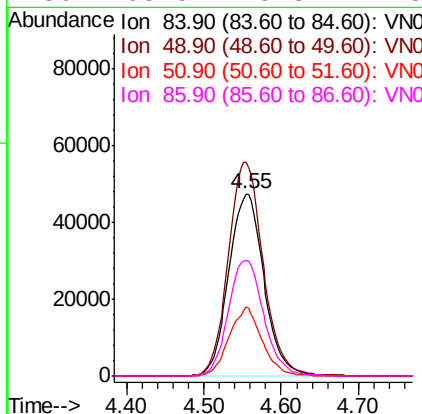
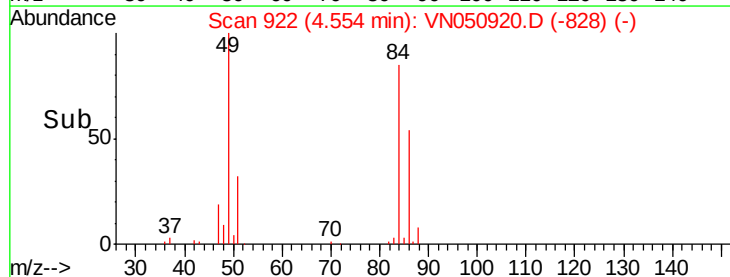
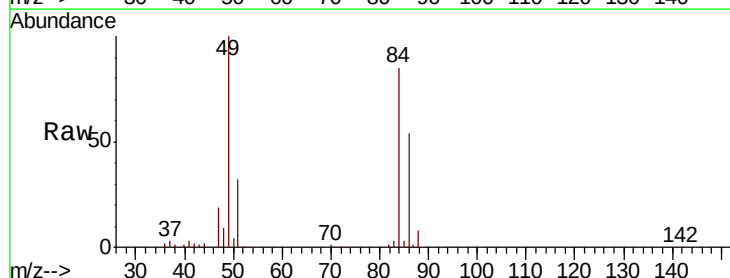
Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

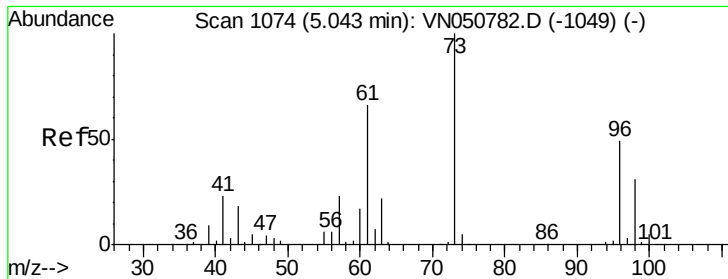
Tot Ion: 73 Resp: 356374
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8



#20
Methylene Chloride
Concen: 18.50 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 84 Resp: 149915
Ion Ratio Lower Upper
84 100
49 117.4 93.2 139.8
51 38.0 29.0 43.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.84 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

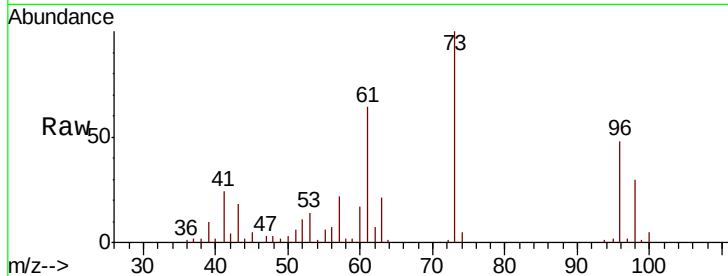
Tot Ion: 96 Resp: 136720

Ion Ratio Lower Upper

96 100

61 133.2 107.4 161.0

98 62.5 50.7 76.1

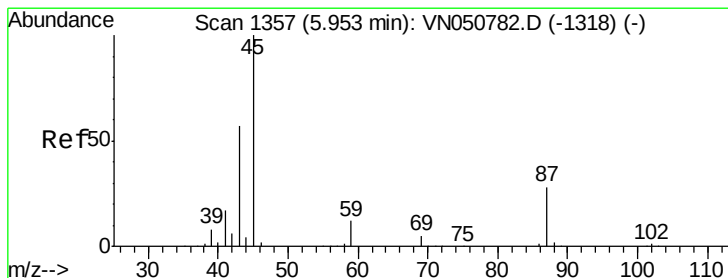
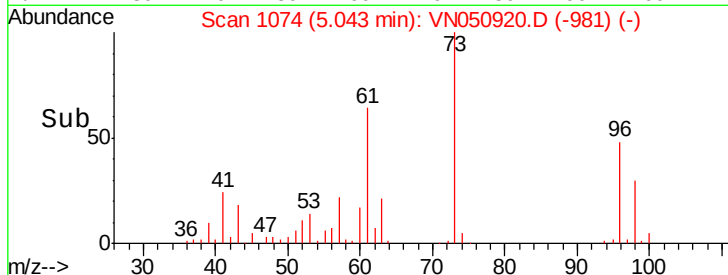
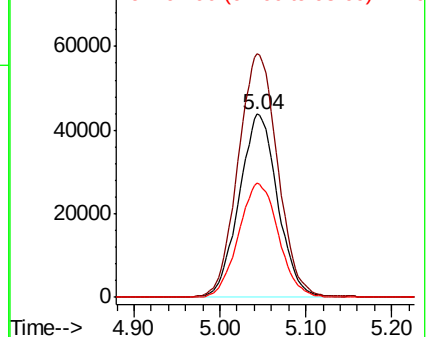


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.79 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion: 45 Resp: 433104

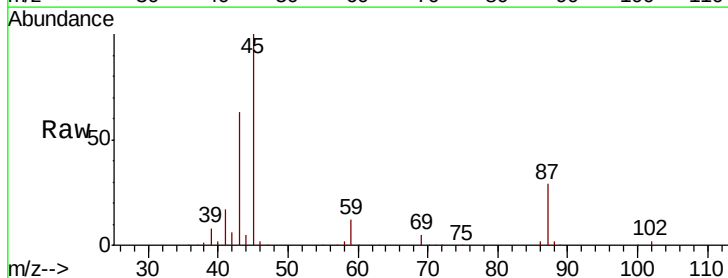
Ion Ratio Lower Upper

45 100

43 61.4 45.9 68.9

87 28.6 22.7 34.1

59 11.9 9.3 13.9



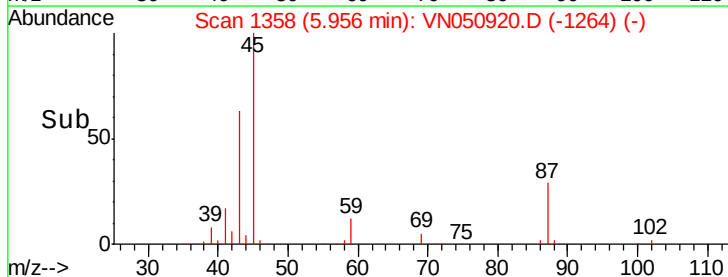
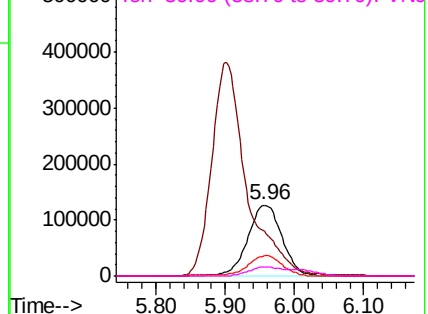
Abundance

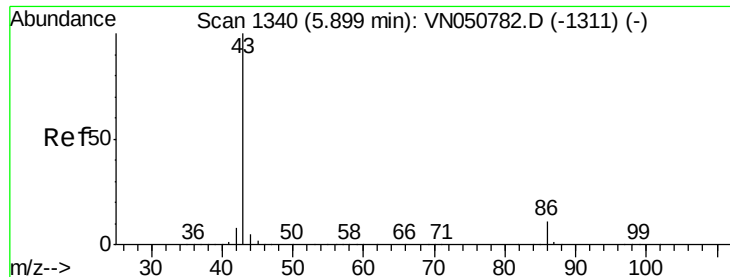
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

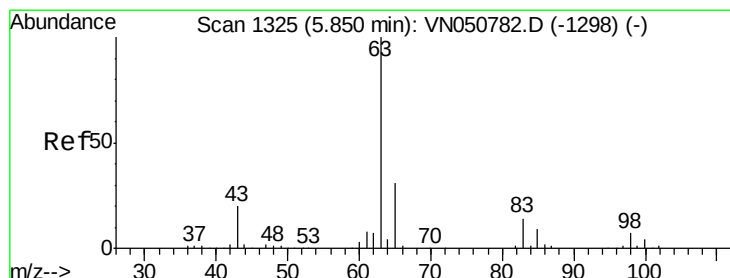
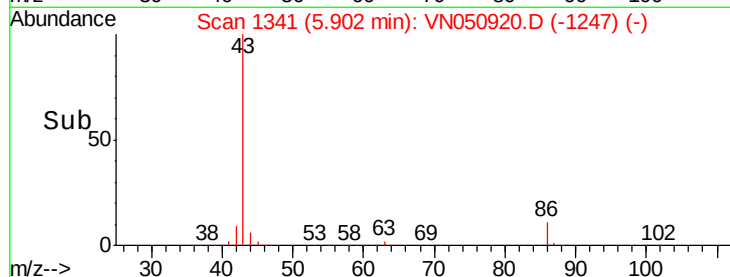
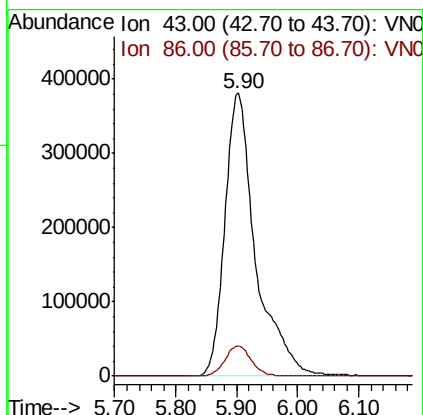
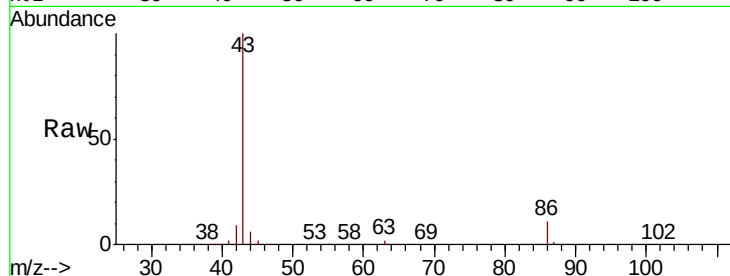




#23
 Vinyl Acetate
 Concen: 99.90 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

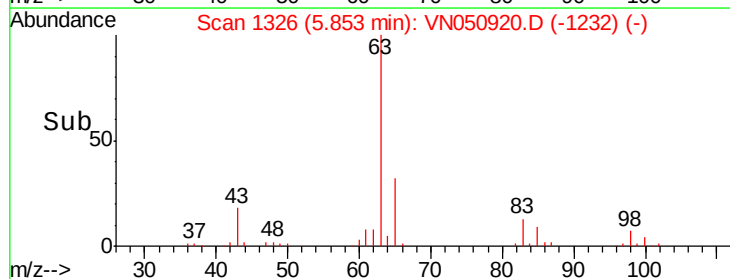
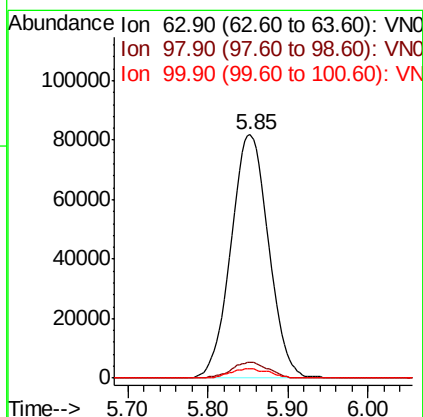
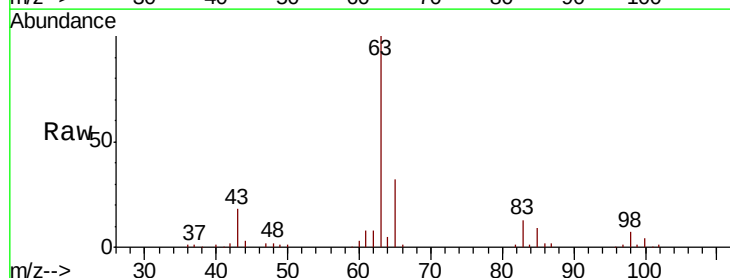
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

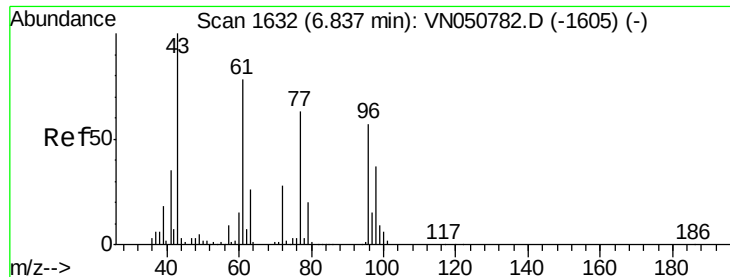
Tot Ion: 43 Resp: 1340361
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.49 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 63 Resp: 260750
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 94.97 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

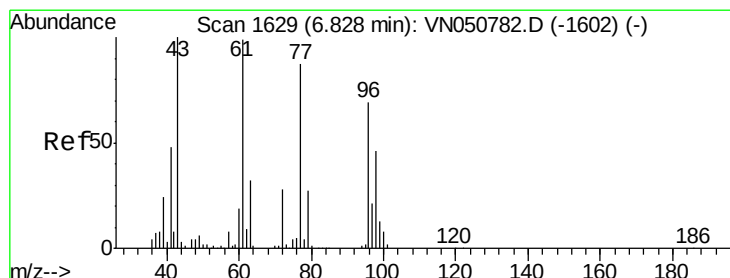
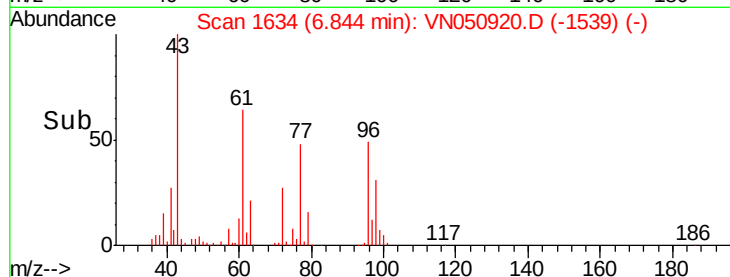
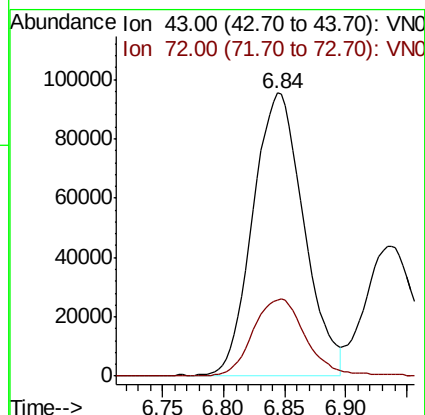
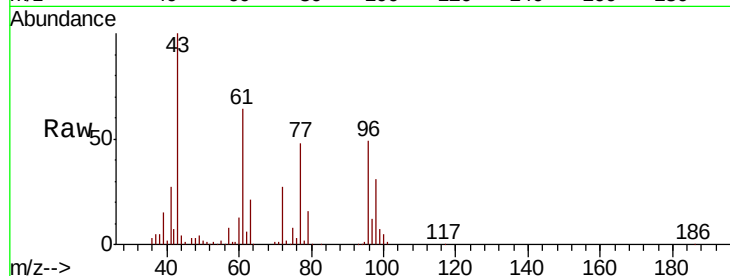
VN0828WBS02

Tot Ion: 43 Resp: 275218

Ion Ratio Lower Upper

43 100

72 27.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: 17.61 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050920.D

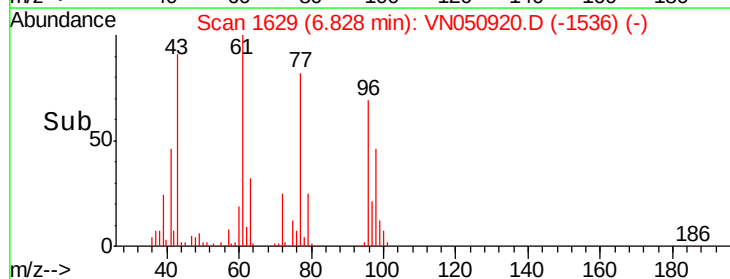
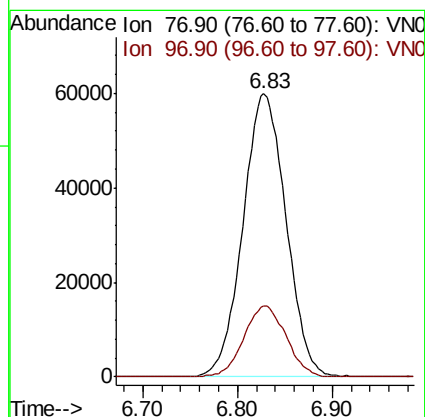
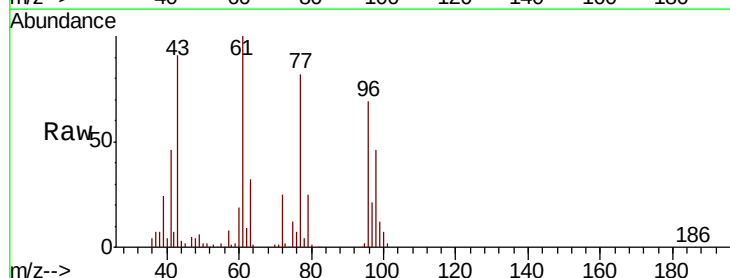
Acq: 28 Aug 2018 18:13

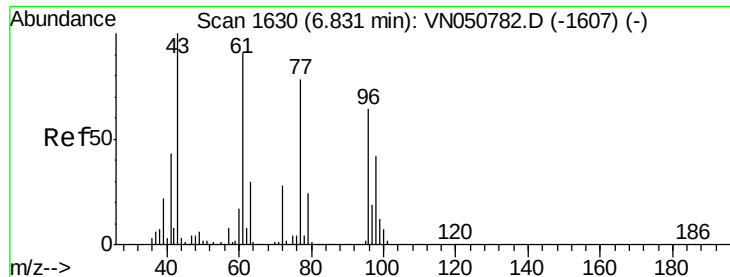
Tgt Ion: 77 Resp: 189314

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.59 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

VN0828WBS02

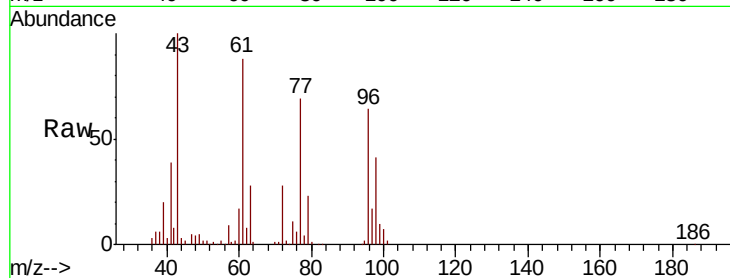
Tot Ion: 96 Resp: 153236

Ion Ratio Lower Upper

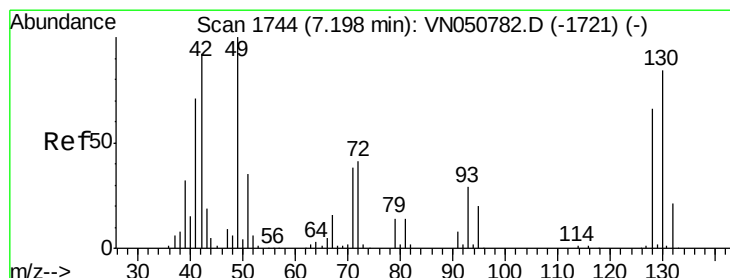
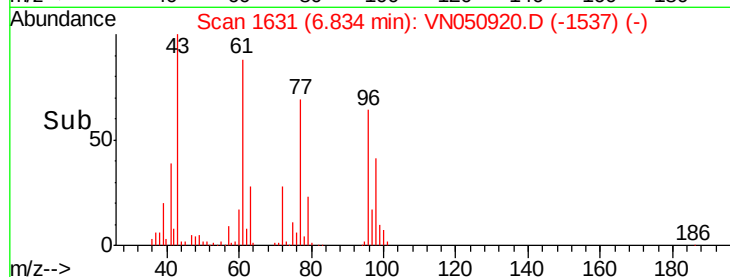
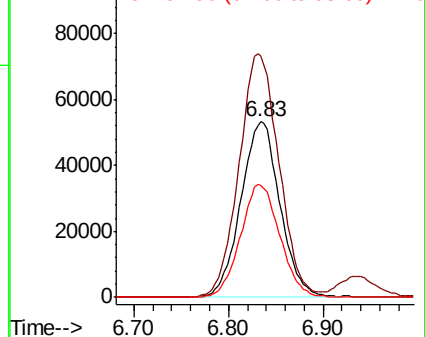
96 100

61 141.3 0.0 283.4

98 64.5 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: 19.69 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

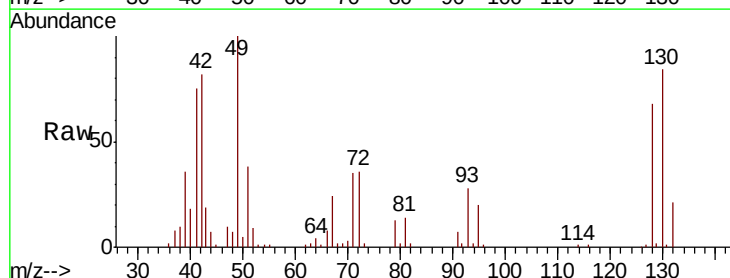
Tgt Ion: 49 Resp: 111923

Ion Ratio Lower Upper

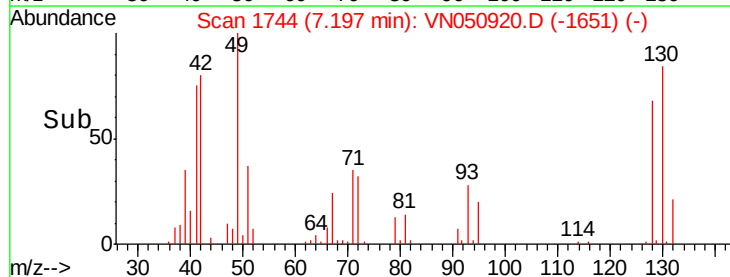
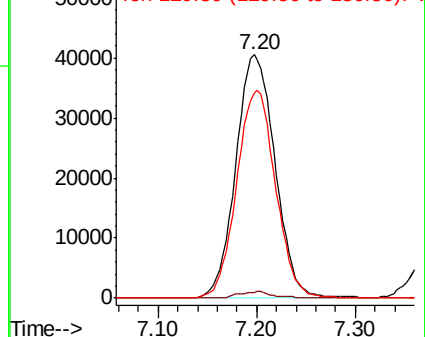
49 100

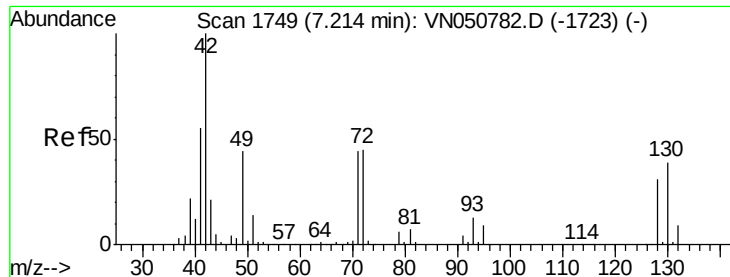
129 2.2 0.0 4.2

130 84.3 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

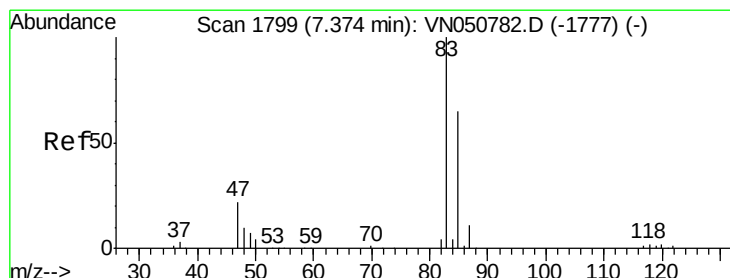
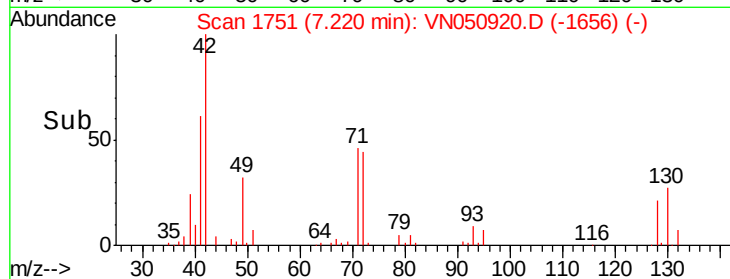
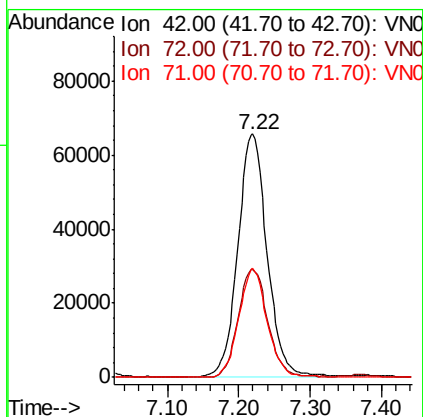
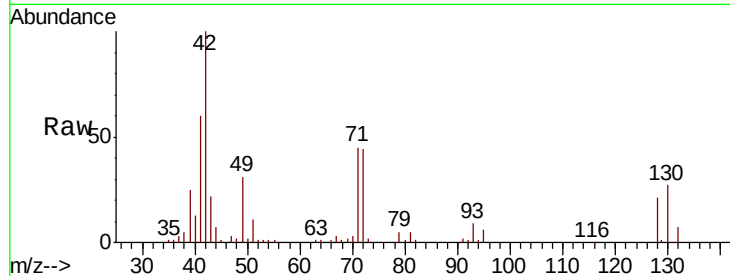




#29
Tetrahydrofuran
Concen: 113.49 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

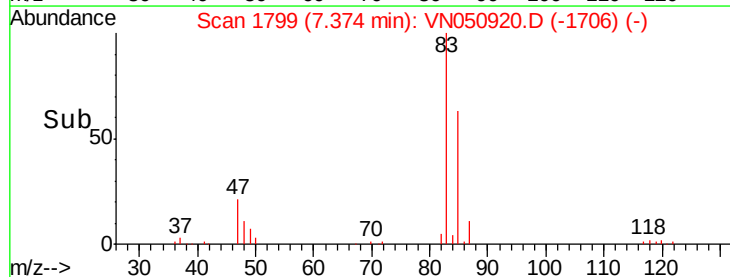
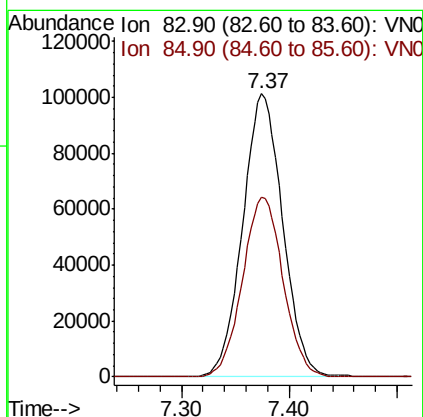
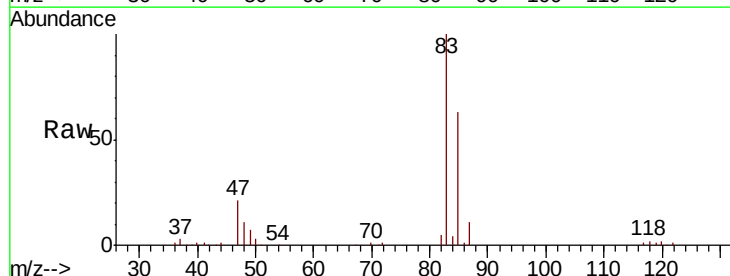
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

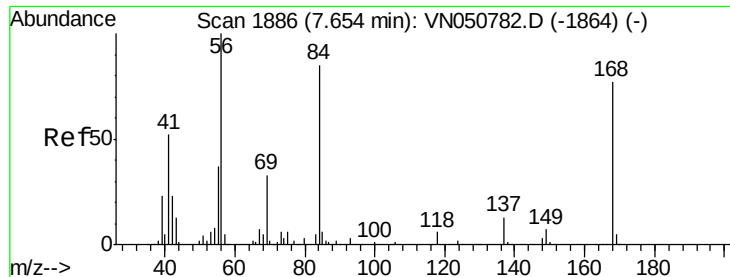
Tot Ion: 42 Resp: 188569
Ion Ratio Lower Upper
42 100
72 44.8 35.5 53.3
71 43.0 33.7 50.5



#30
Chloroform
Concen: 19.70 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 83 Resp: 260917
Ion Ratio Lower Upper
83 100
85 63.4 52.2 78.4

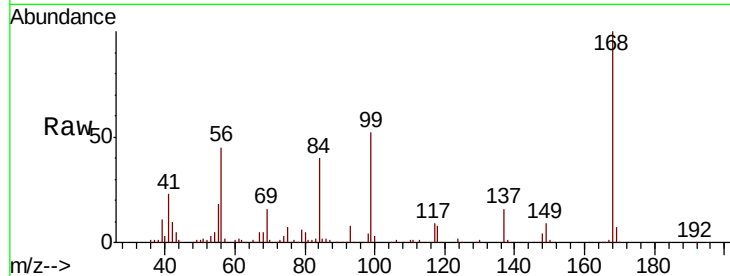




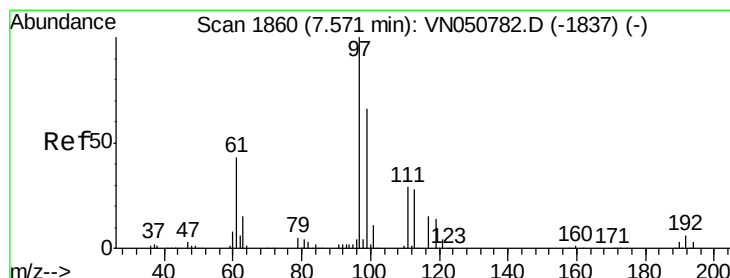
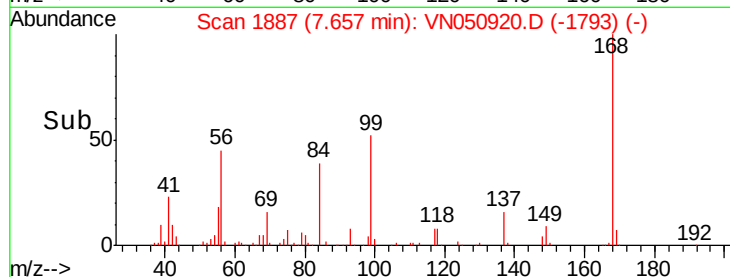
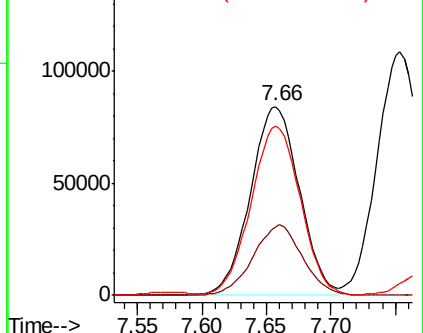
#31
Cyclohexane
Concen: 18.61 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

Tot Ion: 56 Resp: 222718
Ion Ratio Lower Upper
56 100
69 36.4 26.2 39.4
84 88.8 68.3 102.5

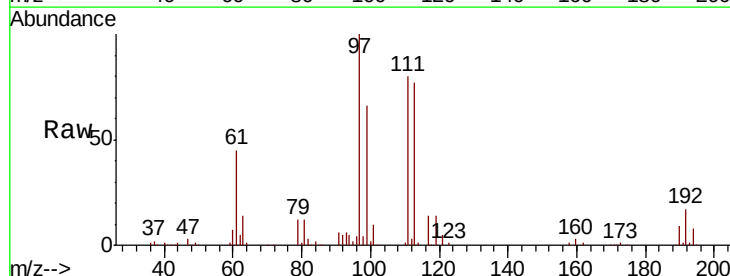


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

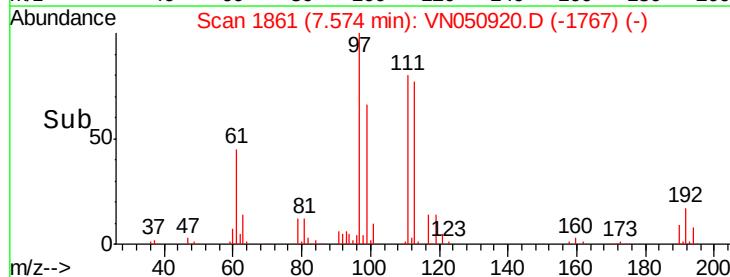
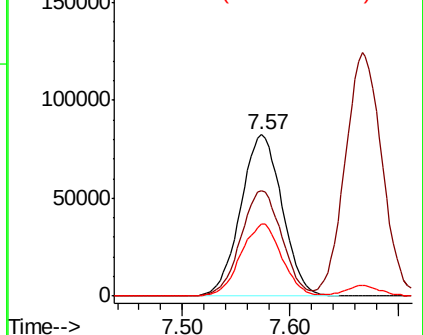


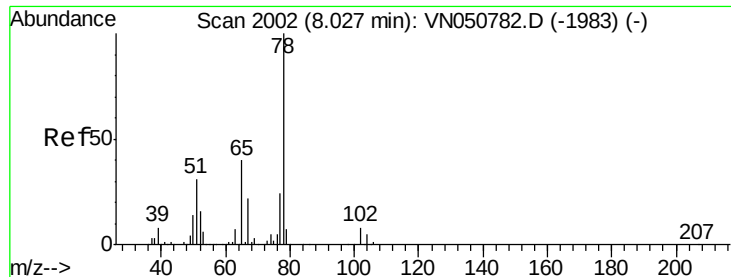
#32
1,1,1-Trichloroethane
Concen: 19.33 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 97 Resp: 219958
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 44.3 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

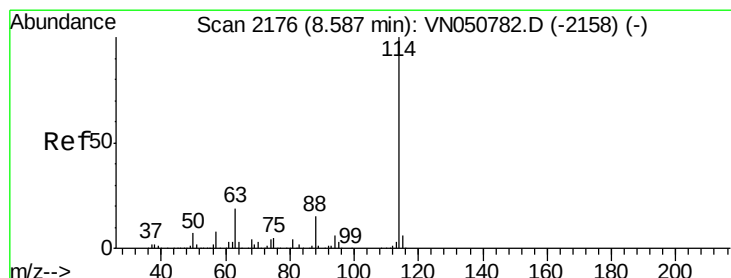
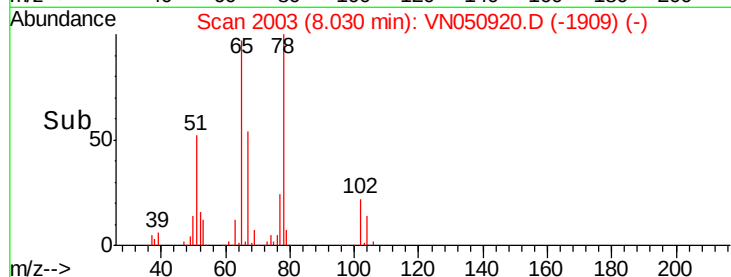
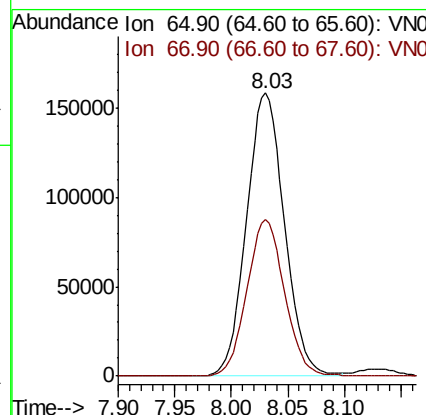
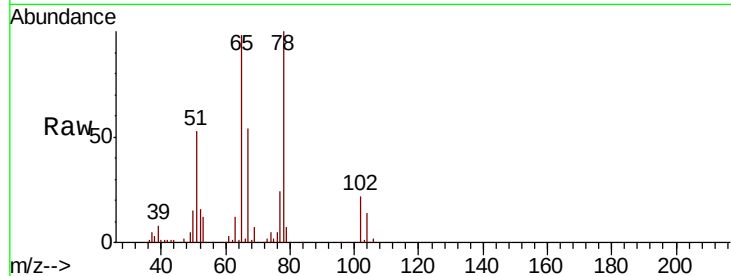




#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

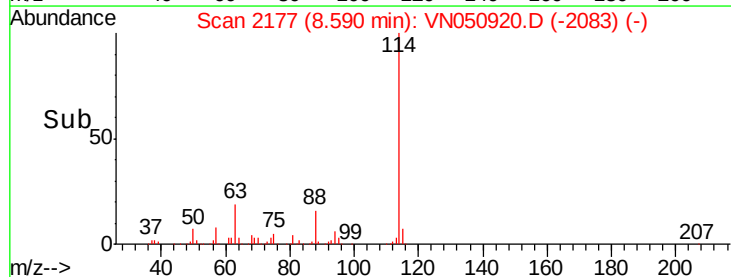
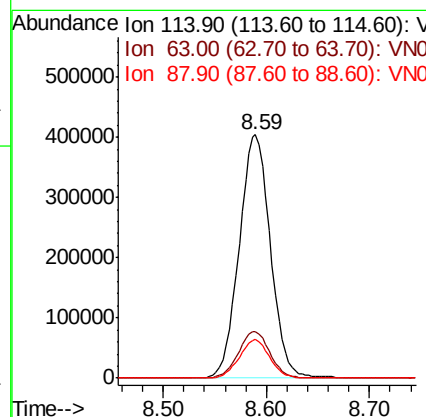
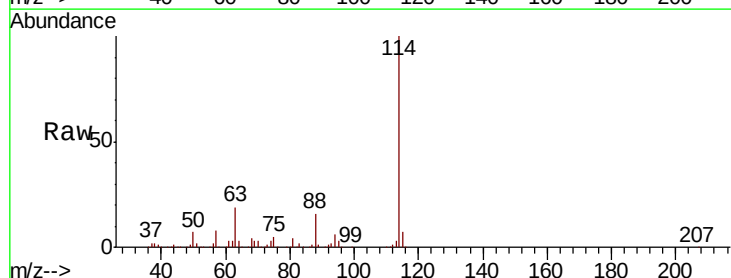
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

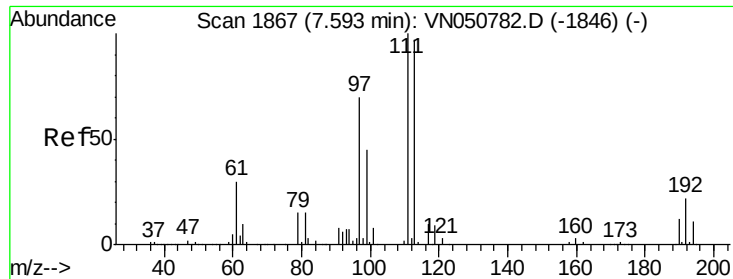
Tot Ion: 65 Resp: 369299
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 114 Resp: 851332
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.7 0.0 30.6

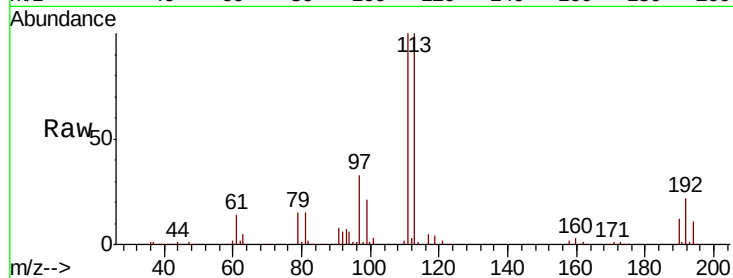




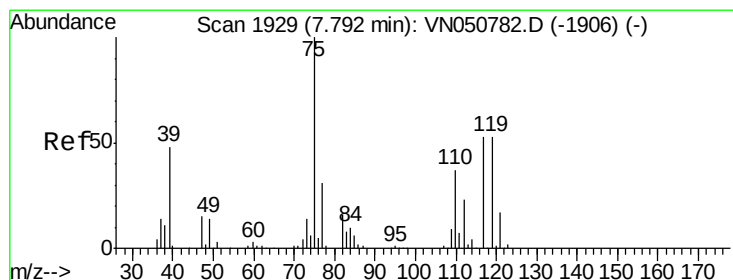
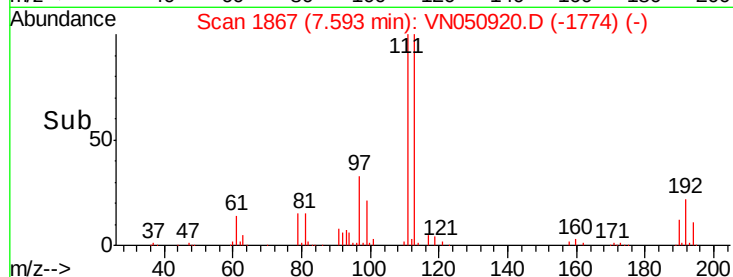
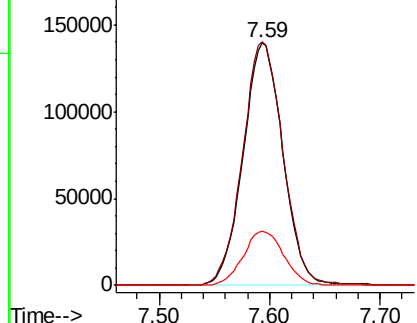
#35
 Dibromofluoromethane
 Concen: 51.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0828WBS02

Tot Ion:113 Resp: 347594
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 23.0 18.0 27.0

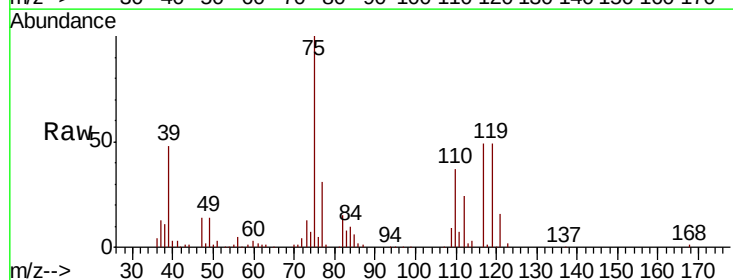


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

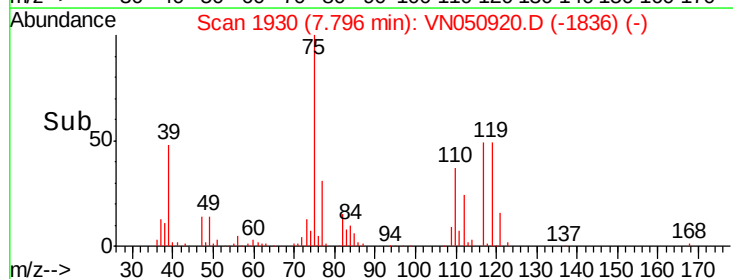
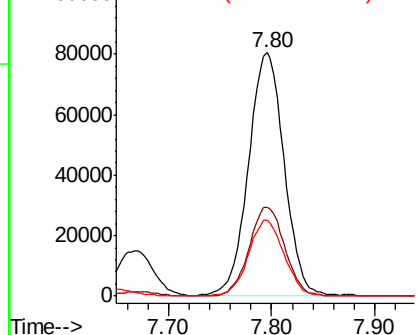


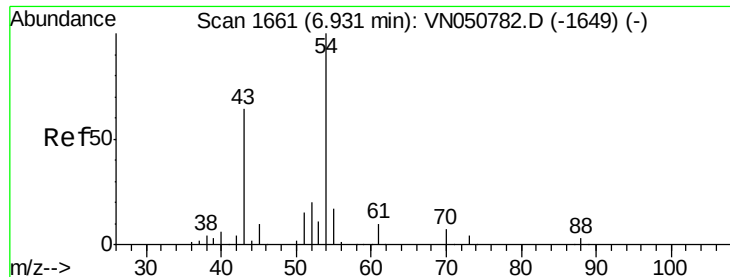
#36
 1,1-Dichloropropene
 Concen: 19.10 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 75 Resp: 191884
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.4
 77 31.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

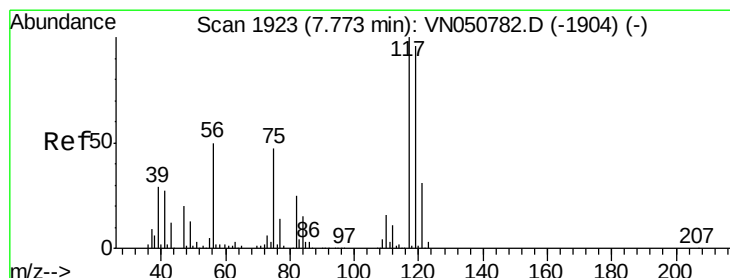
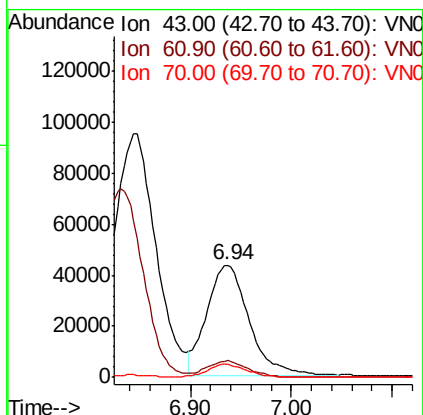
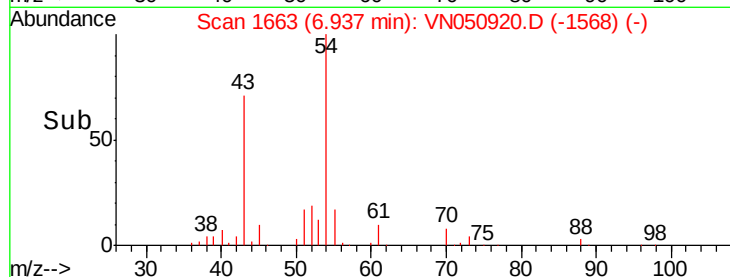
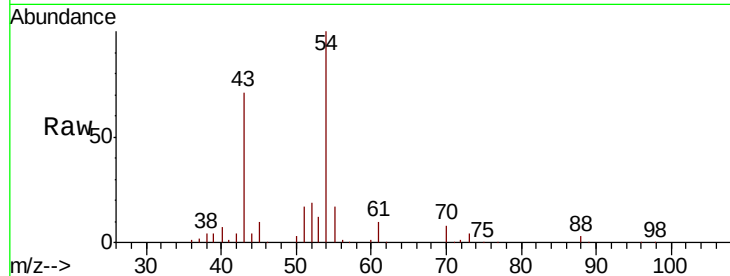




#37
Ethyl Acetate
Concen: 21.89 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

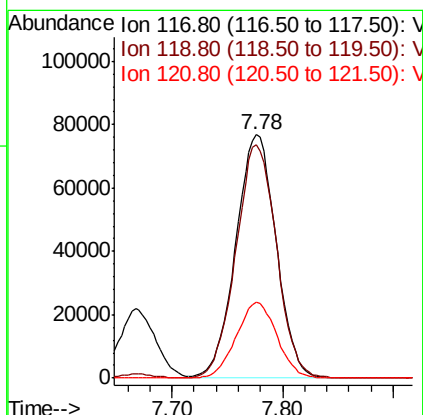
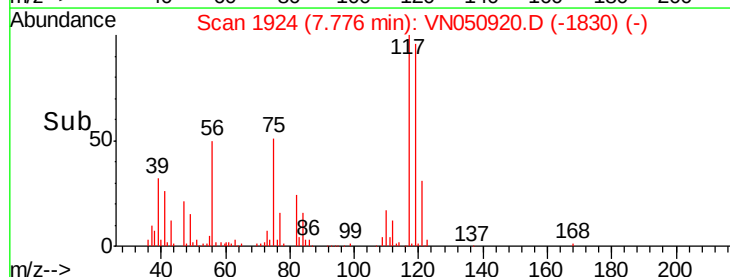
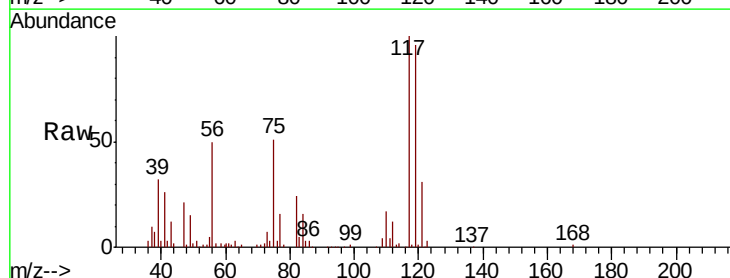
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

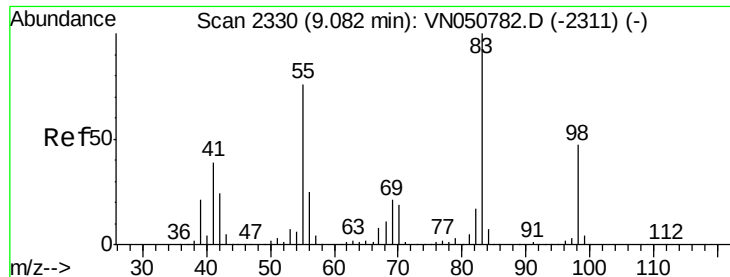
Tot Ion: 43 Resp: 126350
Ion Ratio Lower Upper
43 100
61 13.3 12.0 18.0
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.21 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 117 Resp: 195103
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 31.2 24.6 36.8

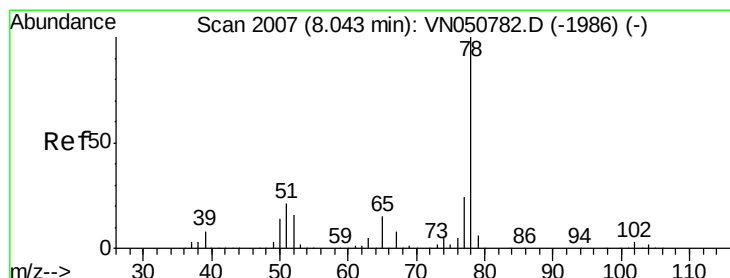
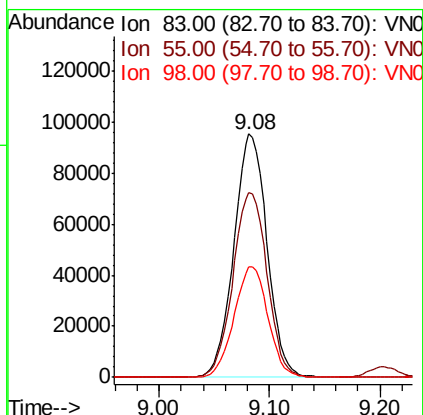
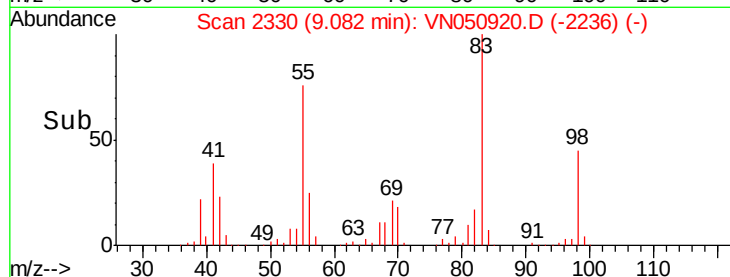
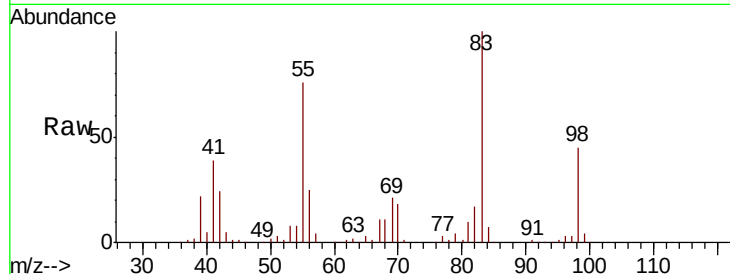




#39
Methylvlcyclohexane
Concen: 18.28 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

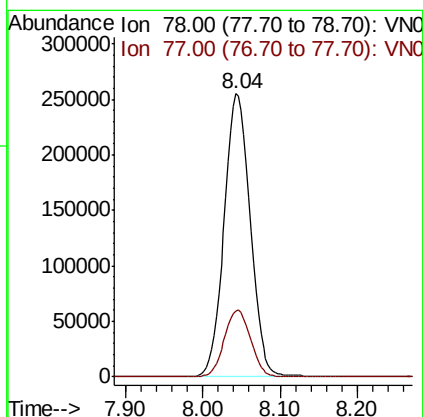
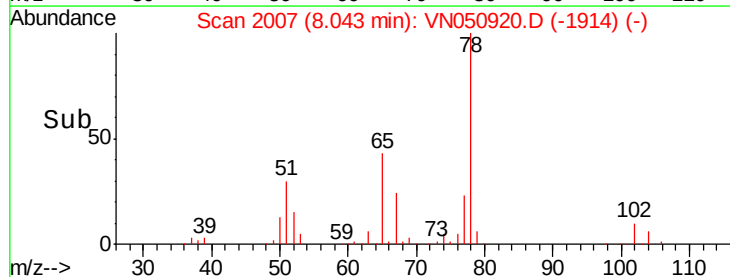
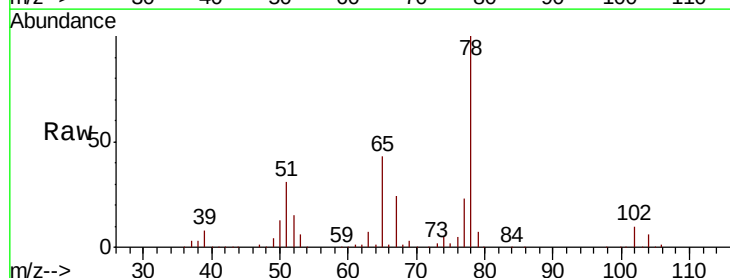
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

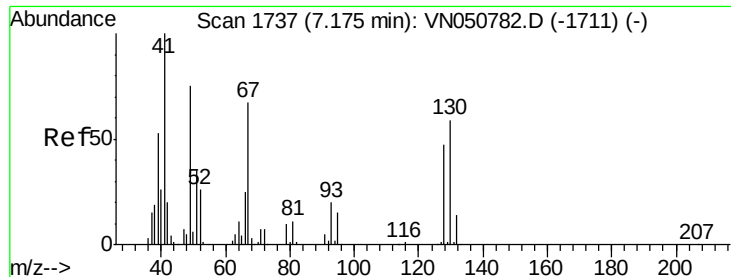
Tot Ion: 83 Resp: 198701
Ion Ratio Lower Upper
83 100
55 75.9 61.0 91.4
98 45.2 37.5 56.3



#40
Benzene
Concen: 19.71 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 78 Resp: 597068
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

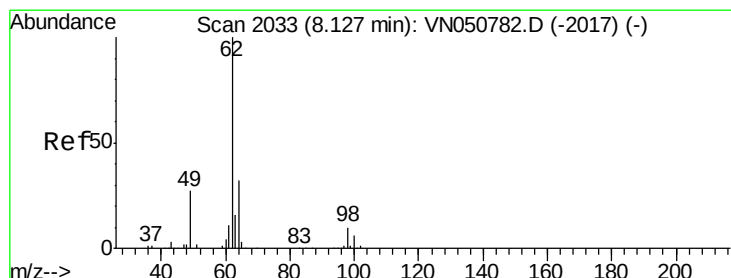
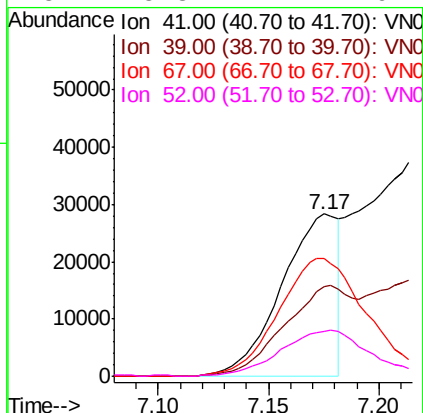
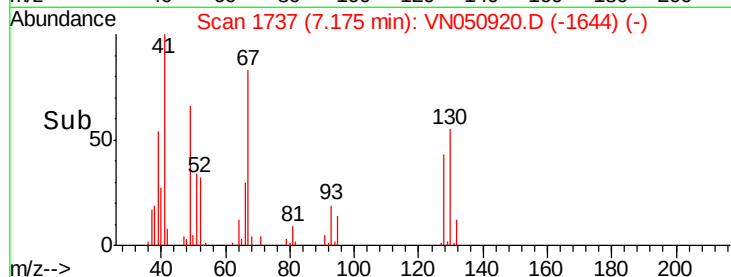
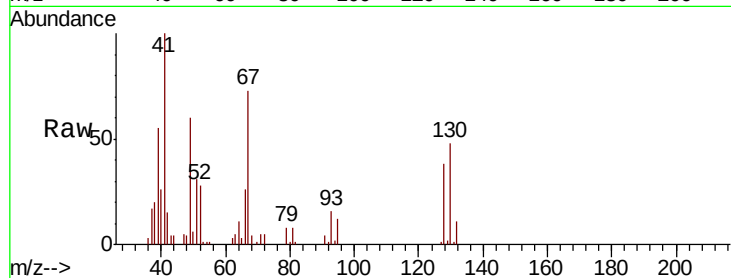




#41
Methacrylonitrile
Concen: 16.20 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

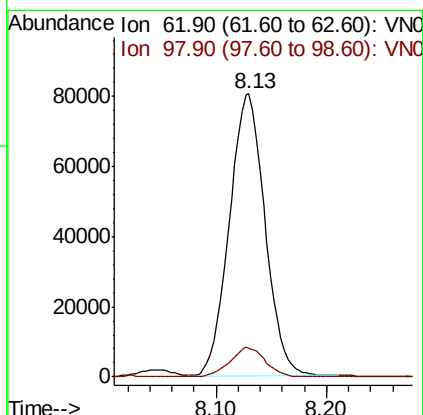
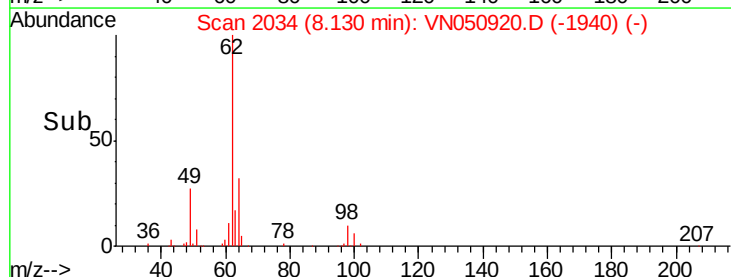
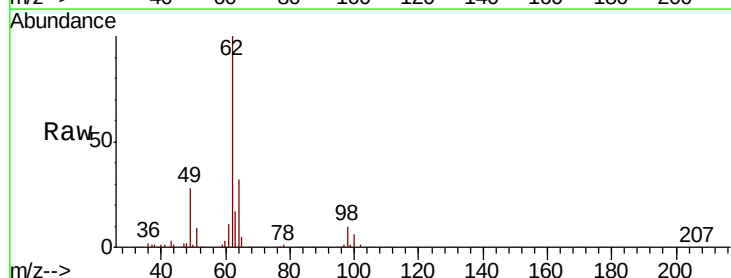
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

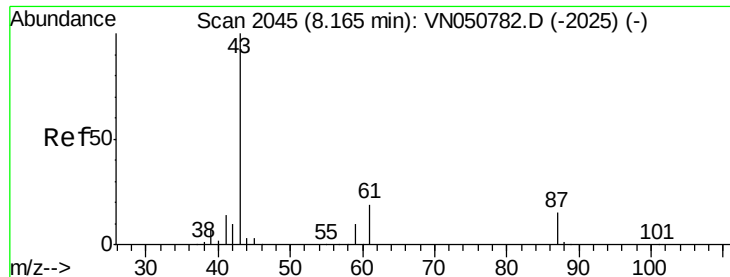
Tot Ion: 41 Resp: 50588
Ion Ratio Lower Upper
41 100
39 69.7 45.4 68.0#
67 115.1 70.6 106.0#
52 45.3 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 19.95 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 62 Resp: 180665
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 21.17 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

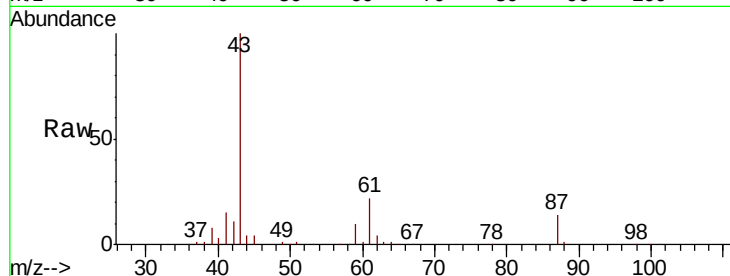
Tot Ion: 43 Resp: 210067

Ion Ratio Lower Upper

43 100

61 31.7 17.5 26.3#

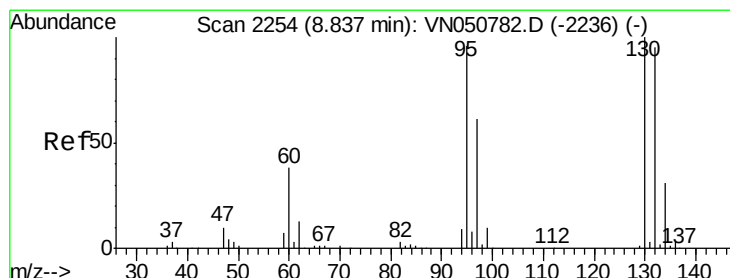
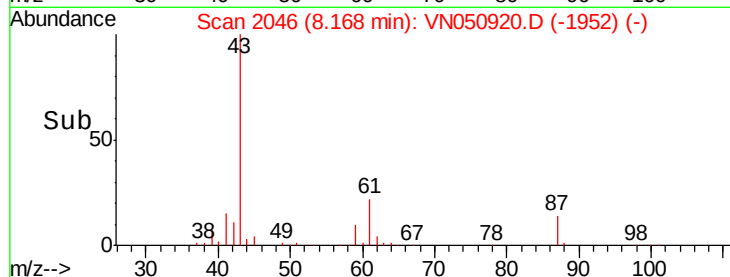
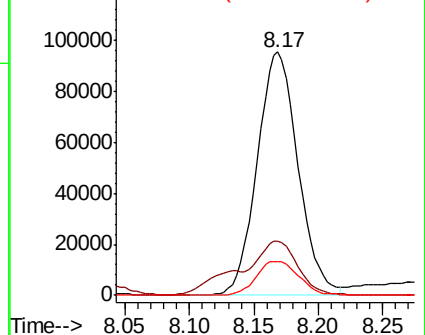
87 14.5 11.3 16.9



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: 19.31 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050920.D

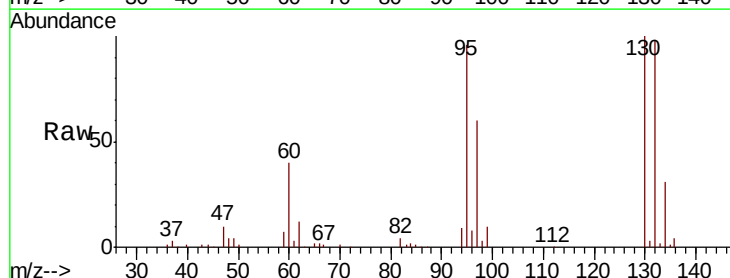
Acq: 28 Aug 2018 18:13

Tgt Ion:130 Resp: 154281

Ion Ratio Lower Upper

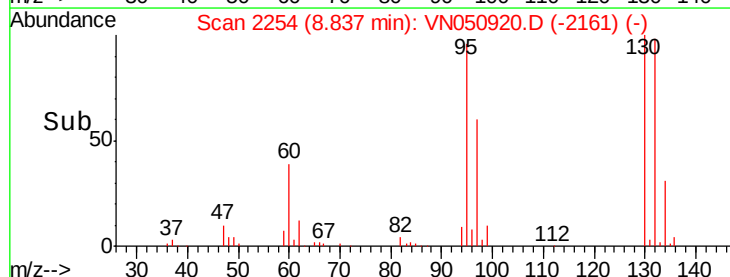
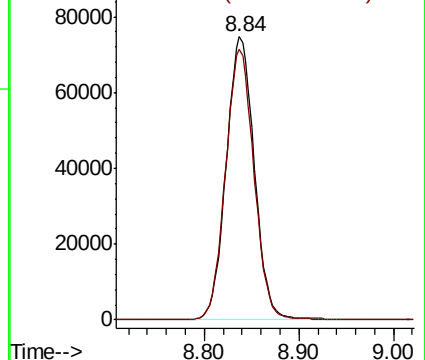
130 100

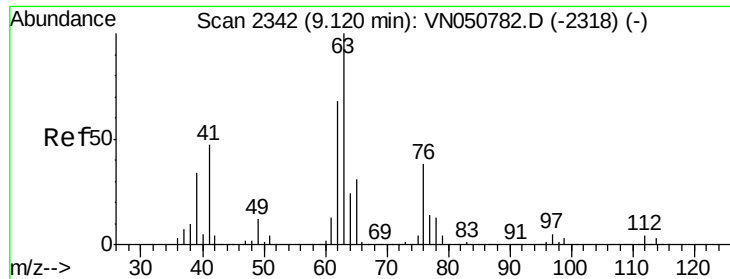
95 95.8 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

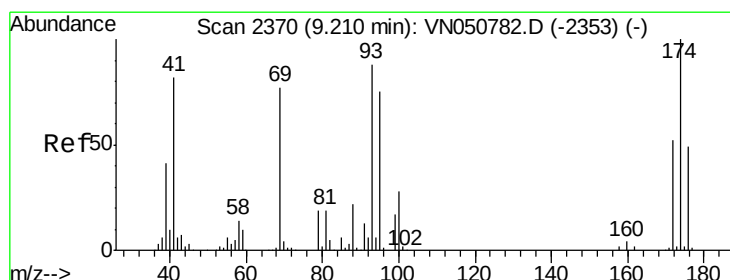
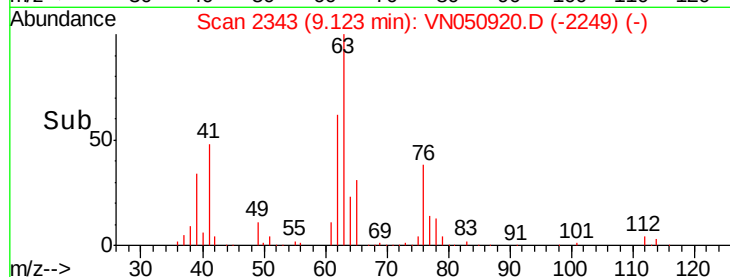
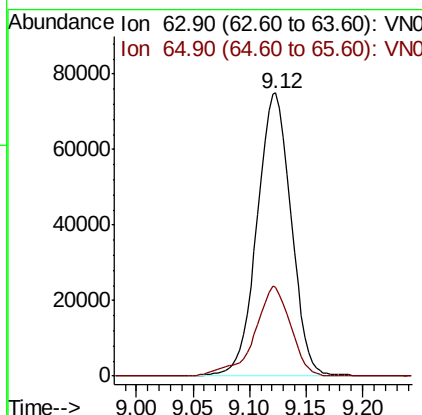
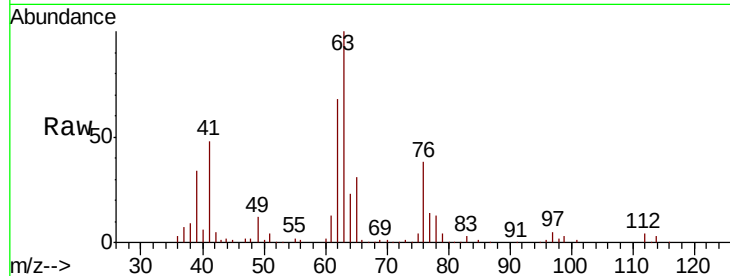




#45
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

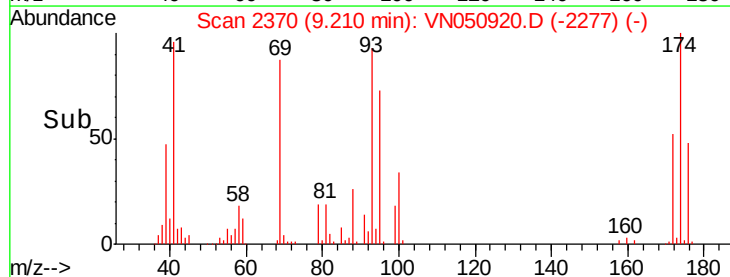
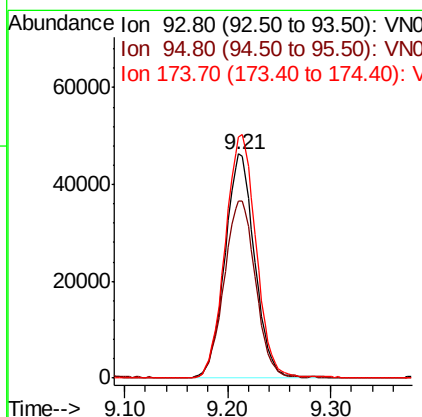
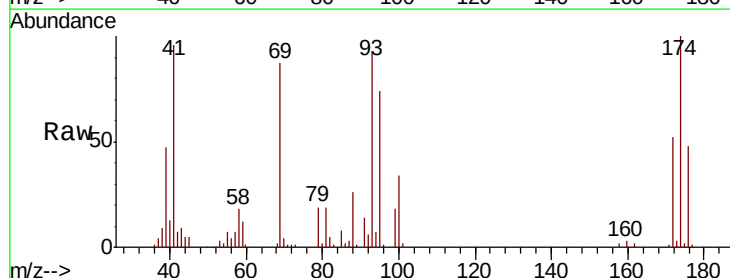
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

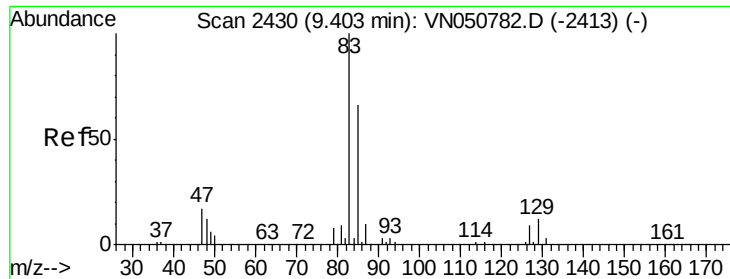
Tot Ion: 63 Resp: 157027
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 19.93 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 93 Resp: 93254
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 112.1 89.8 134.6





#47

Bromodichloromethane

Concen: 19.76 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

VN0828WBS02

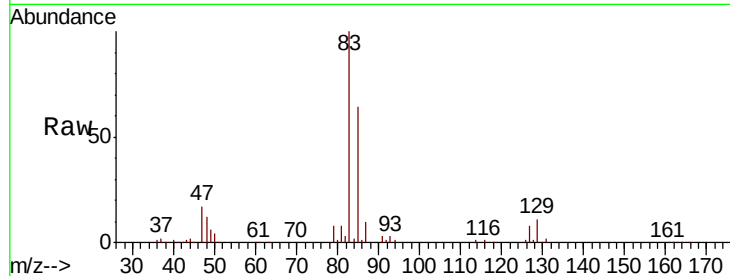
Tot Ion: 83 Resp: 193643

Ion Ratio Lower Upper

83 100

85 63.8 52.6 78.8

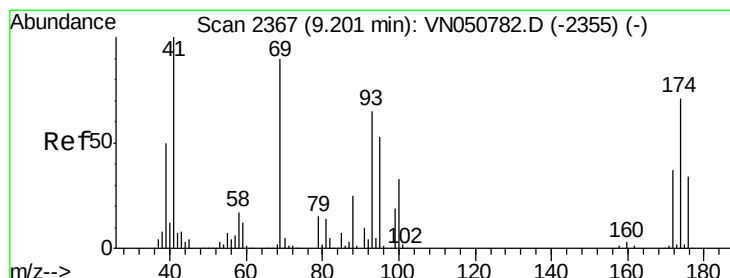
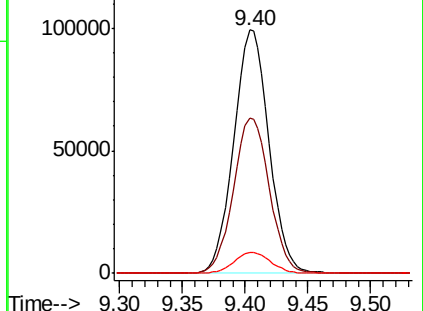
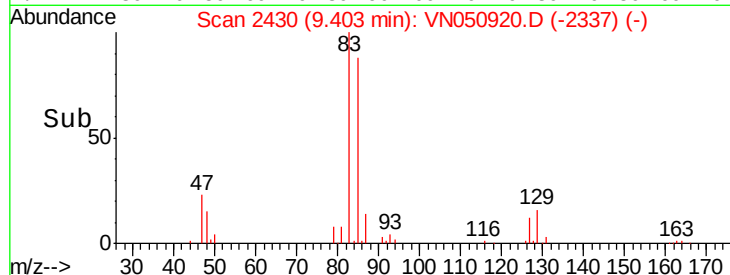
127 8.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050920.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050920.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050920.D (-2337) (-)



#48

Methyl methacrylate

Concen: 21.25 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

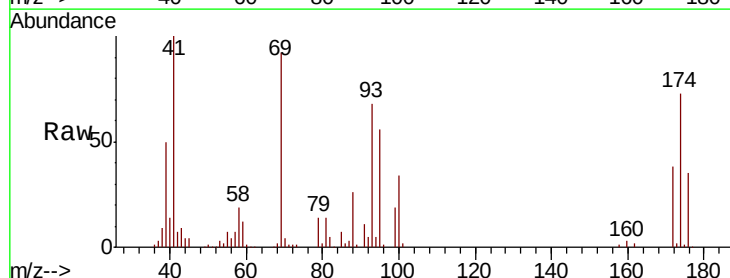
Tgt Ion: 41 Resp: 107443

Ion Ratio Lower Upper

41 100

69 92.3 74.7 112.1

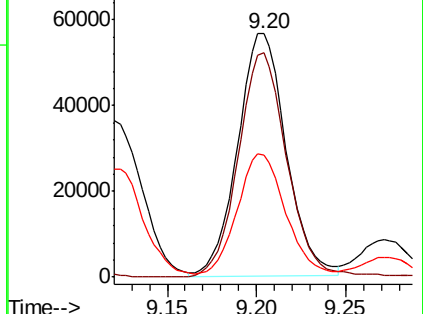
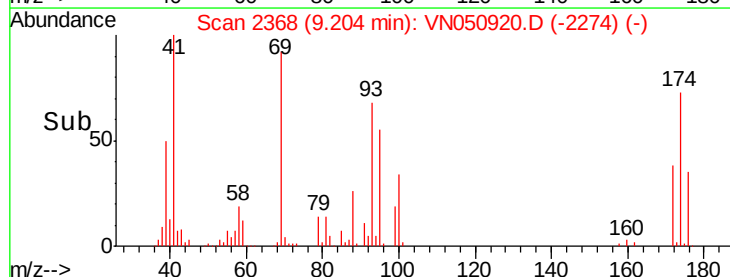
39 50.6 42.2 63.2

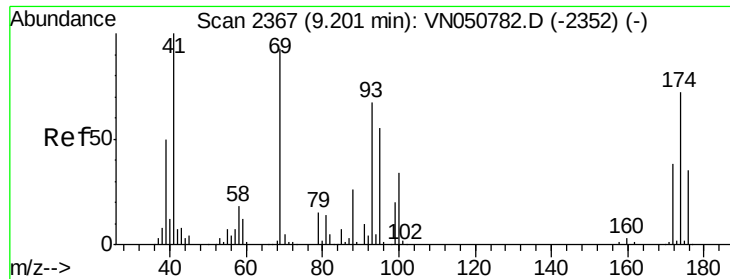


Abundance Ion 41.00 (40.70 to 41.70): VN050920.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050920.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050920.D (-2274) (-)





#49

1,4-Dioxane

Concen: 449.25 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

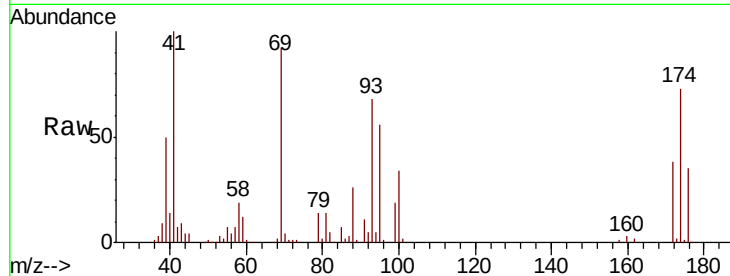
Tot Ion: 88 Resp: 30969

Ion Ratio Lower Upper

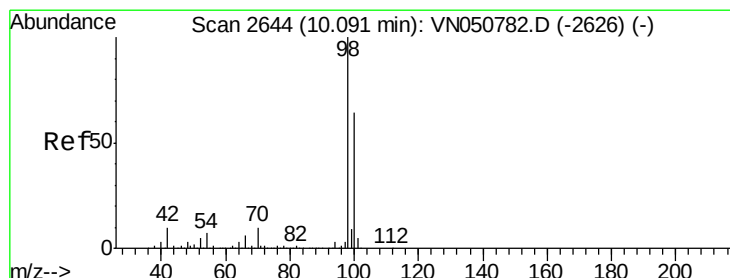
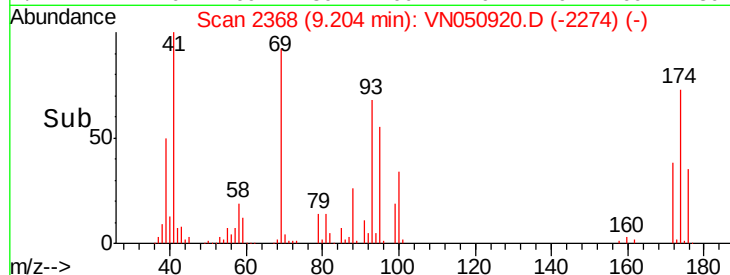
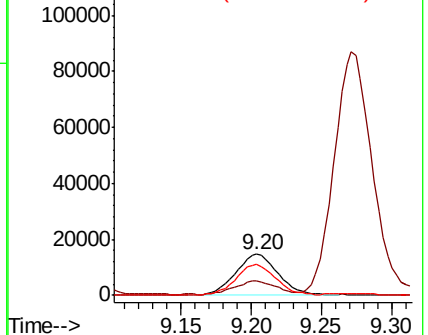
88 100

43 31.7 25.9 38.9

58 70.9 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: 50.70 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050920.D

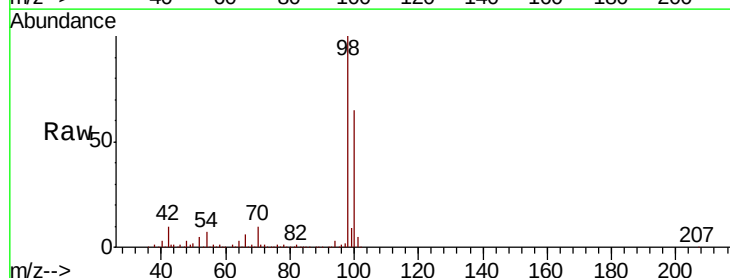
Acq: 28 Aug 2018 18:13

Tgt Ion: 98 Resp: 1283722

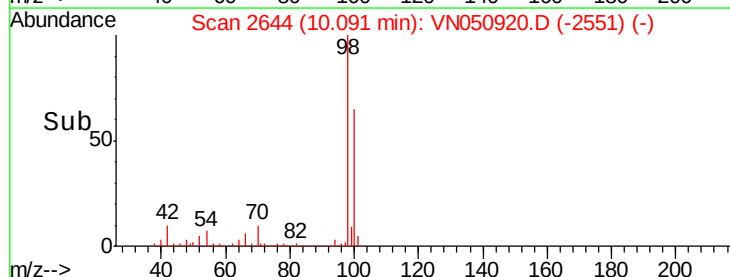
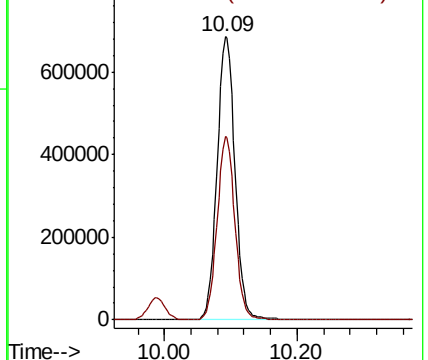
Ion Ratio Lower Upper

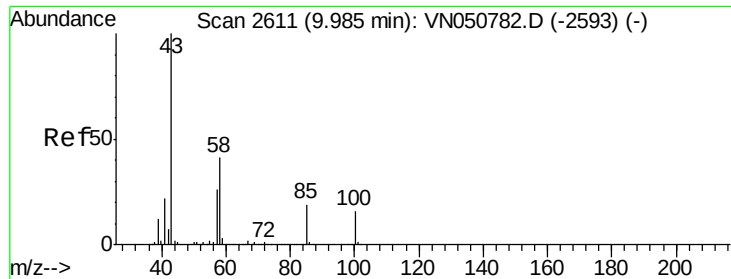
98 100

100 64.3 51.5 77.3



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

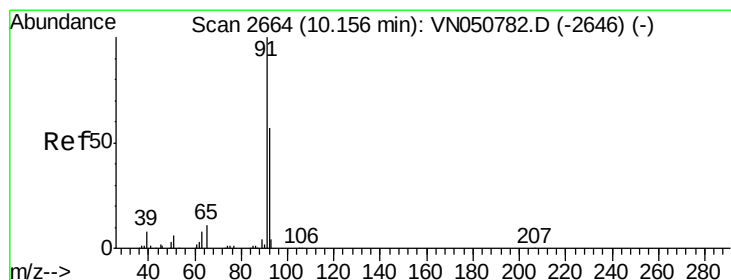
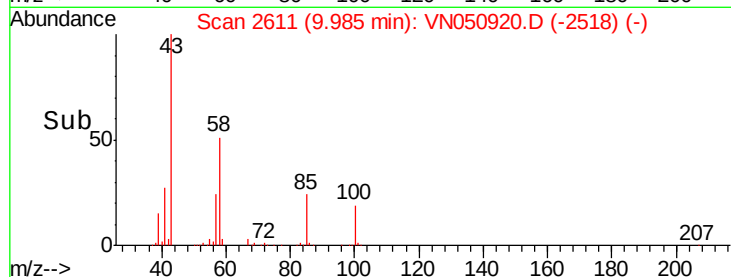
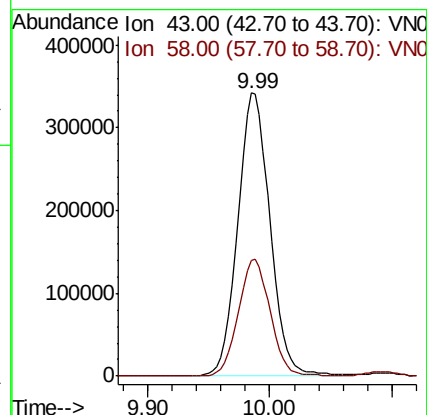
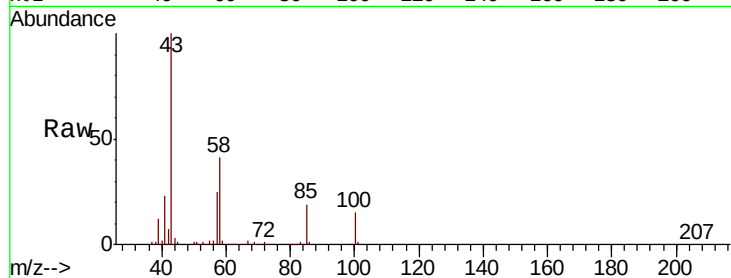




#51
4-Methyl-2-Pentanone
Concen: 105.25 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

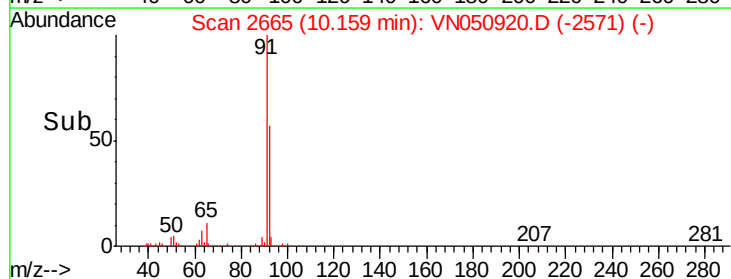
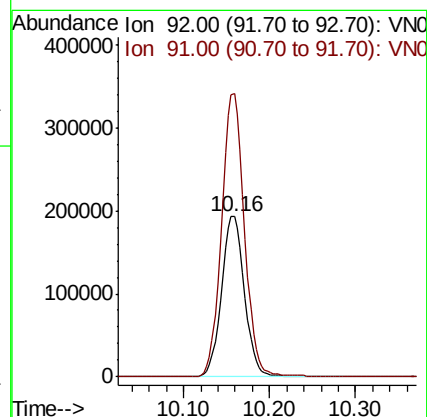
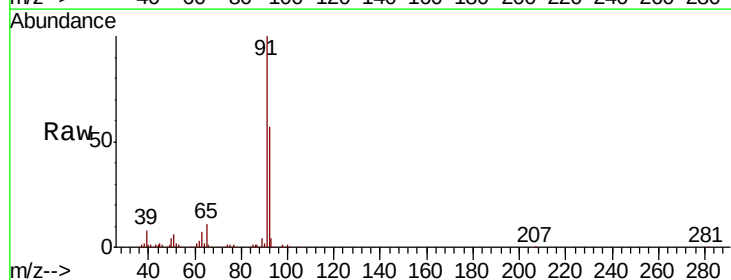
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

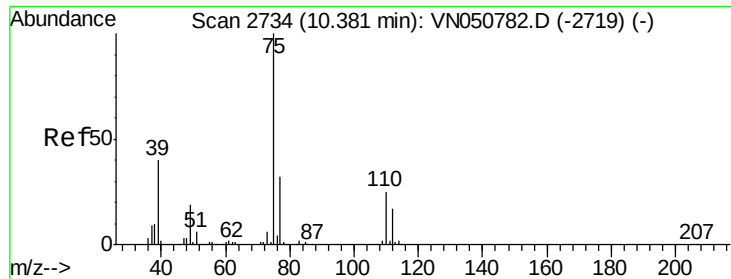
Tot Ion: 43 Resp: 623184
Ion Ratio Lower Upper
43 100
58 41.0 32.4 48.6



#52
Toluene
Concen: 20.03 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 92 Resp: 359514
Ion Ratio Lower Upper
92 100
91 174.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 18.95 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

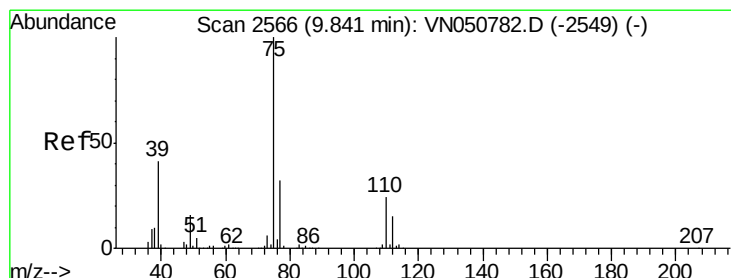
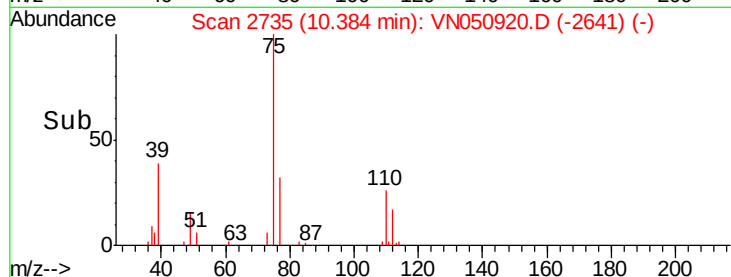
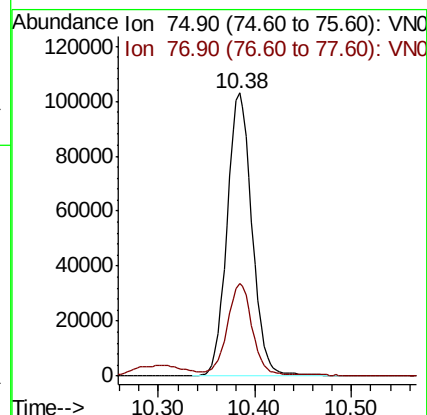
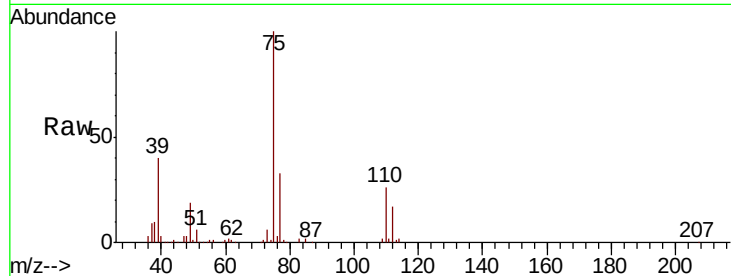
VN0828WBS02

Tot Ion: 75 Resp: 184789

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.53 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

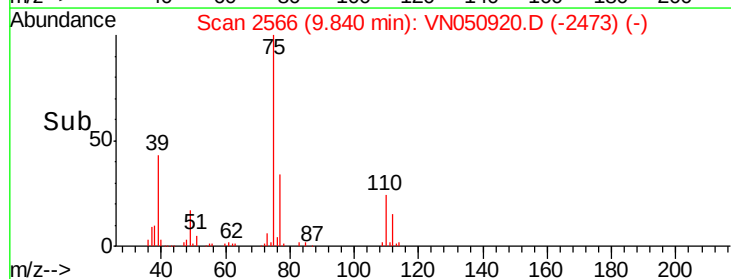
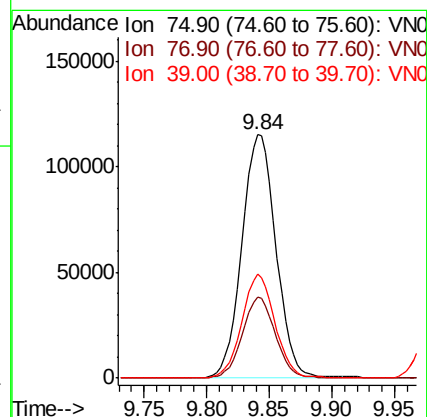
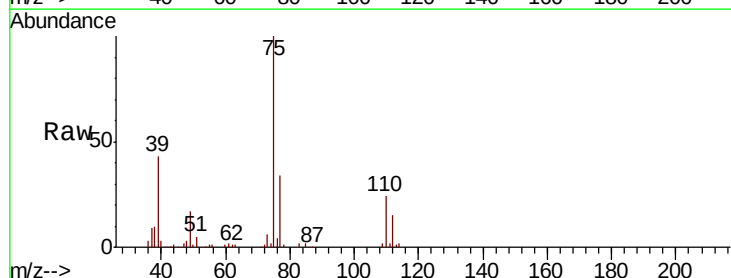
Tgt Ion: 75 Resp: 218090

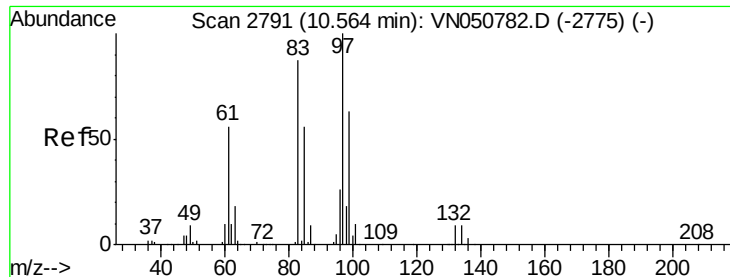
Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.2

39 42.4 33.0 49.4

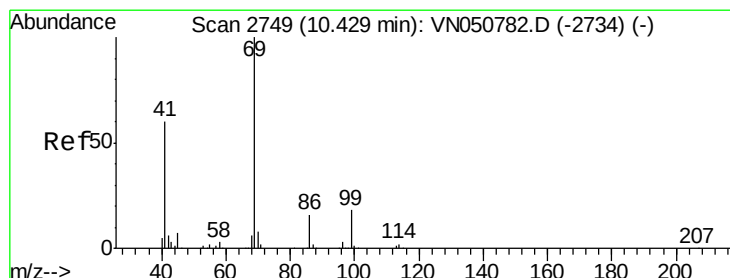
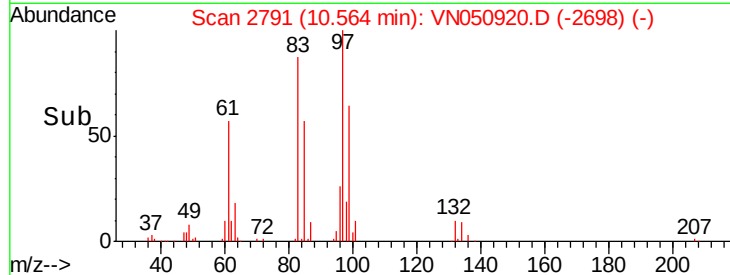
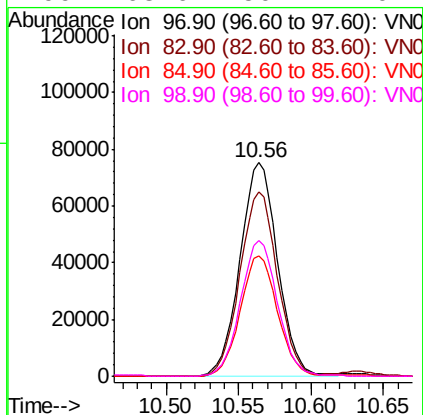
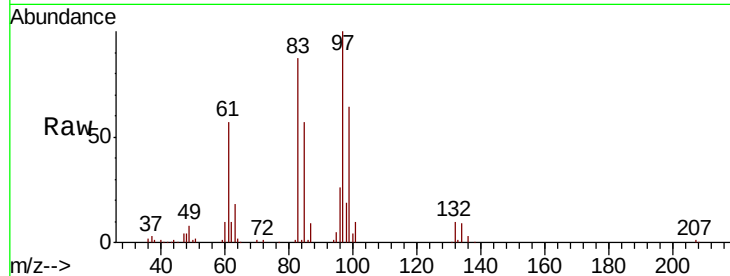




#55
 1,1,2-Trichloroethane
 Concen: 20.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

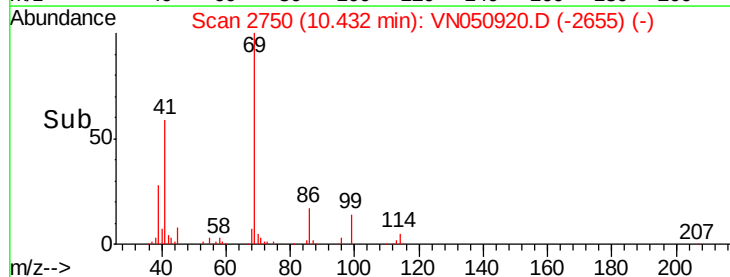
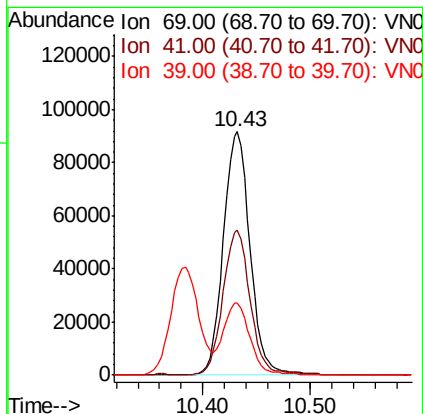
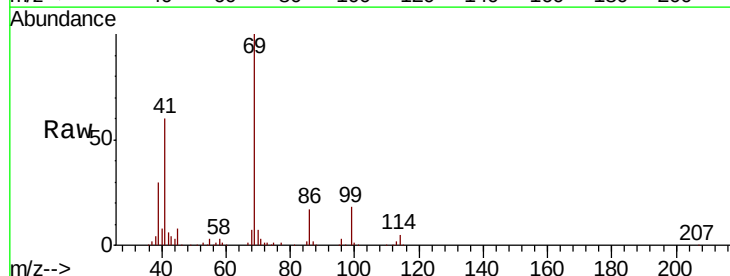
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

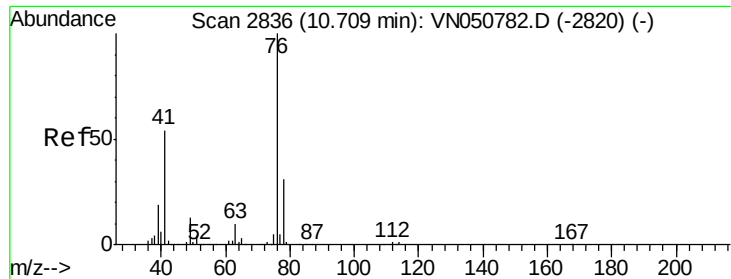
Tot Ion:	97	Resp:	136115
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.7	104.5
85	56.5	44.5	66.7
99	63.6	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 19.73 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion:	69	Resp:	158064
Ion	Ratio	Lower	Upper
69	100		
41	59.8	48.3	72.5
39	29.7	24.0	36.0

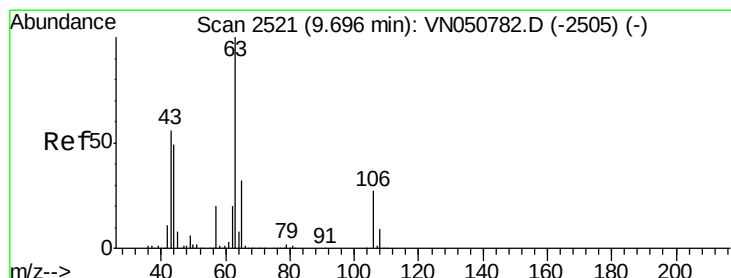
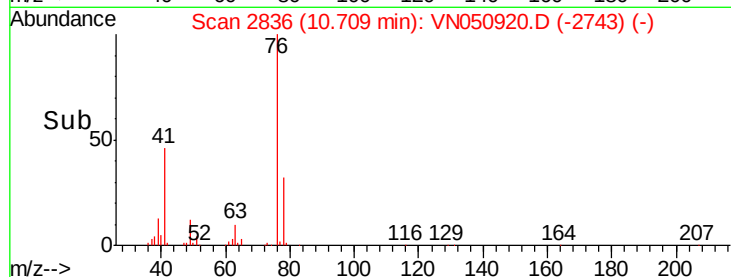
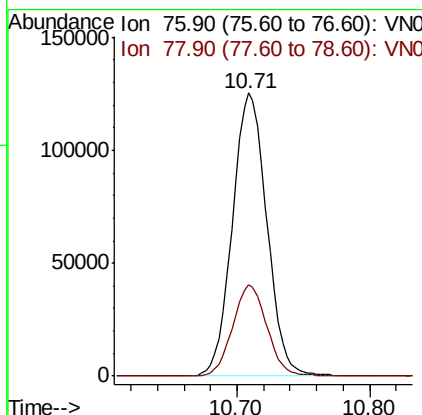
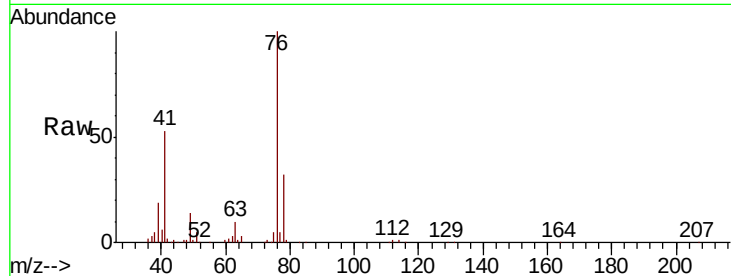




#57
 1,3-Dichloropropane
 Concen: 20.52 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

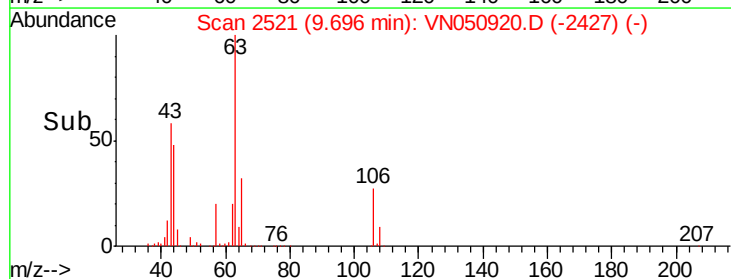
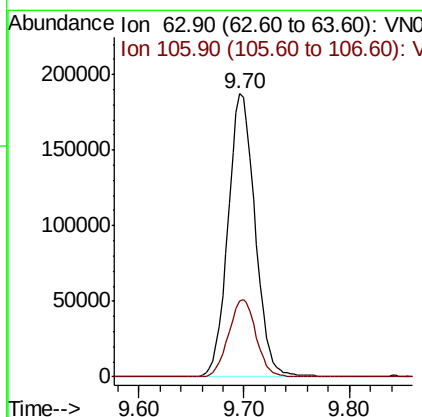
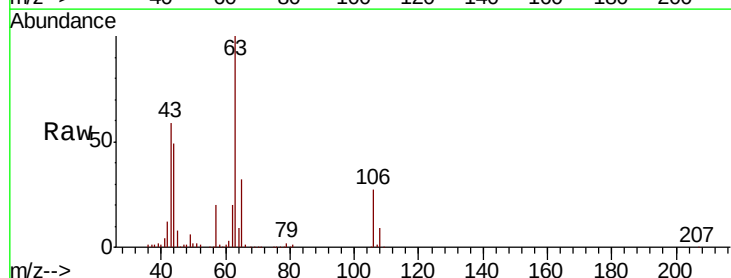
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

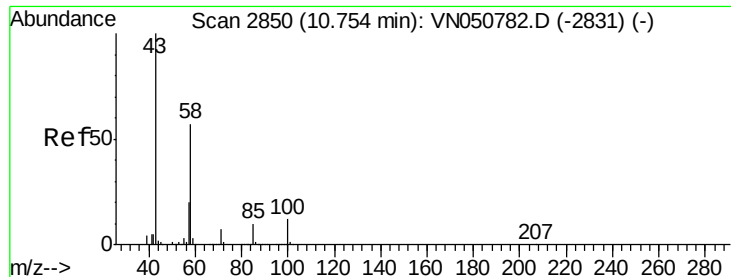
Tot Ion: 76 Resp: 225575
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.84 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 63 Resp: 332395
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.9 32.9

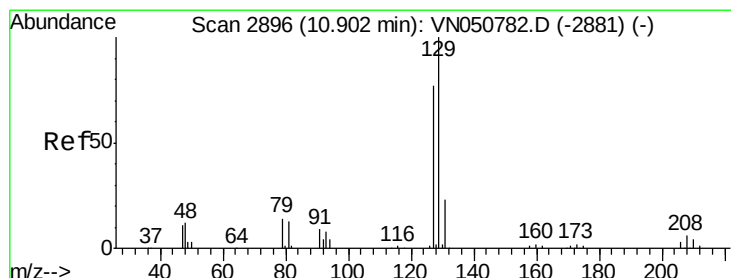
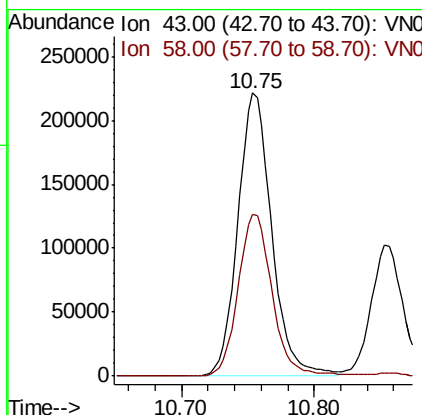
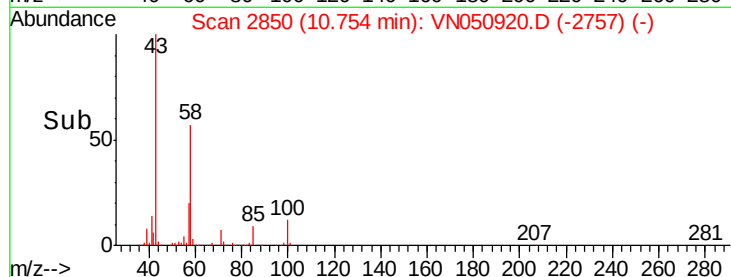
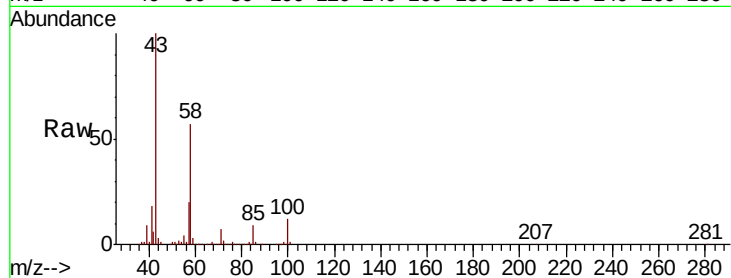




#59
2-Hexanone
Concen: 99.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

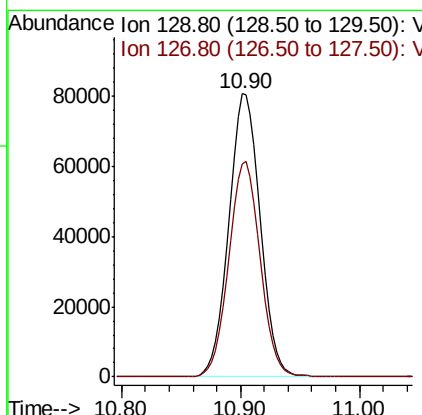
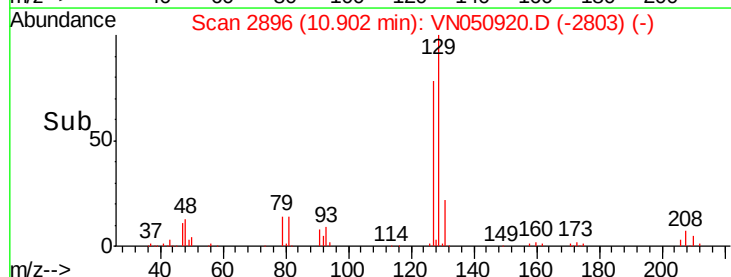
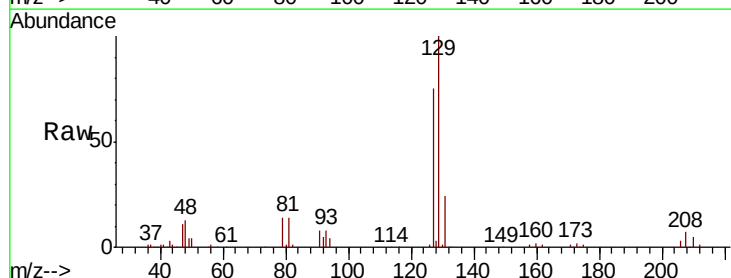
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

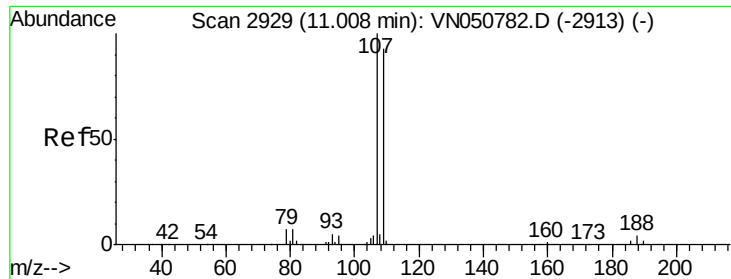
Tot Ion: 43 Resp: 391271
Ion Ratio Lower Upper
43 100
58 57.8 28.3 85.0



#60
Dibromochloromethane
Concen: 19.76 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 129 Resp: 147379
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.05 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

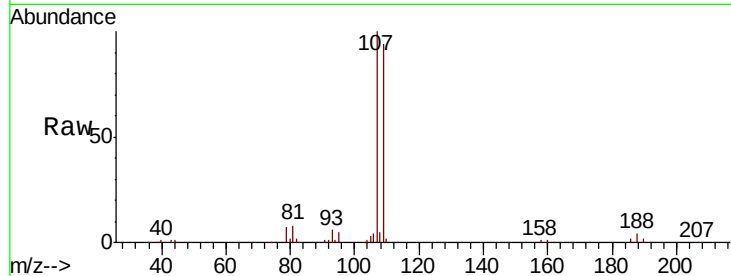
VN0828WBS02

Tot Ion:107 Resp: 129106

Ion Ratio Lower Upper

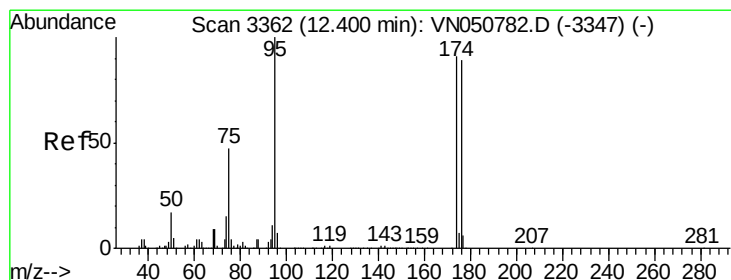
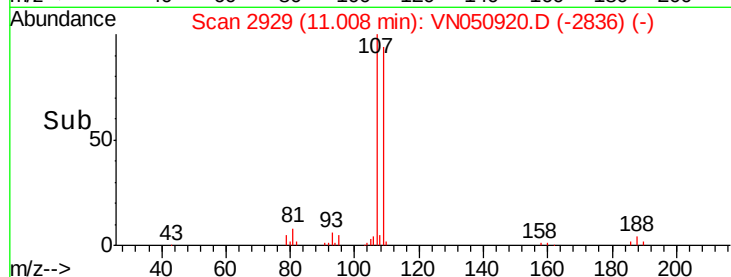
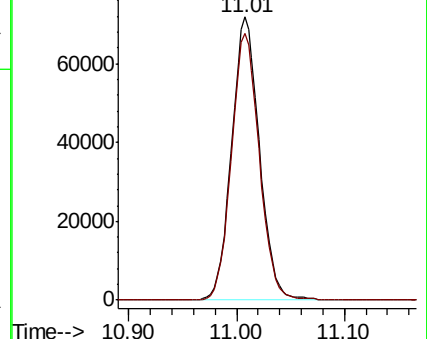
107 100

109 94.7 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: 47.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

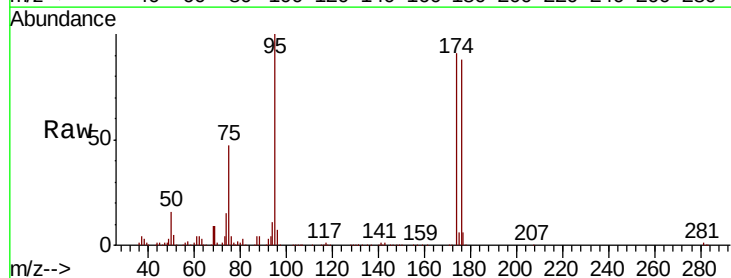
Tgt Ion: 95 Resp: 400448

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.0

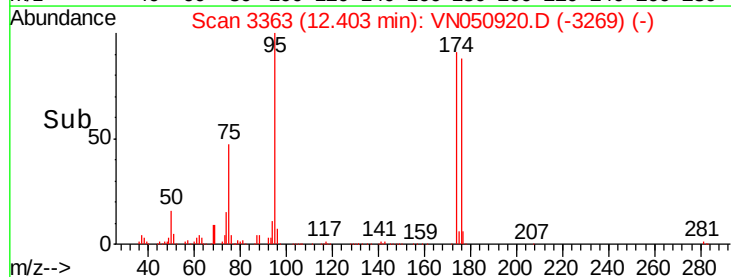
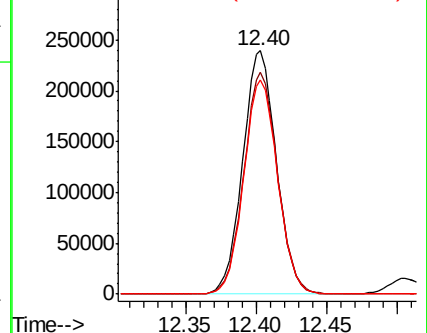
176 88.6 0.0 178.8

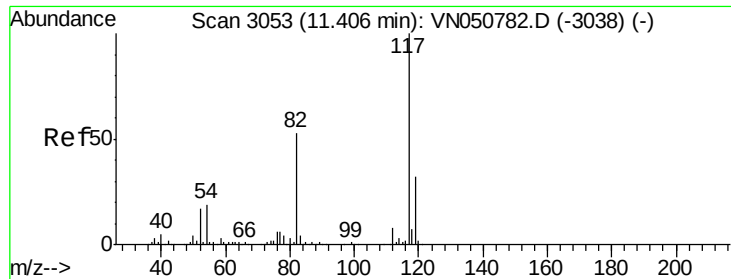


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

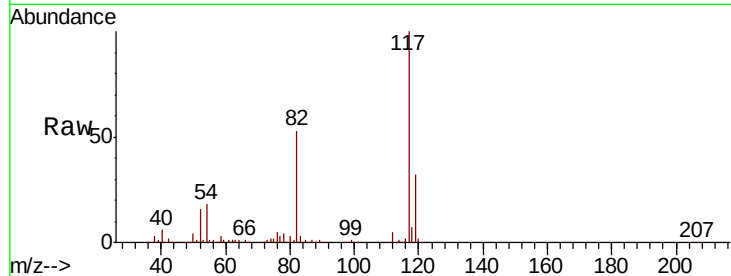




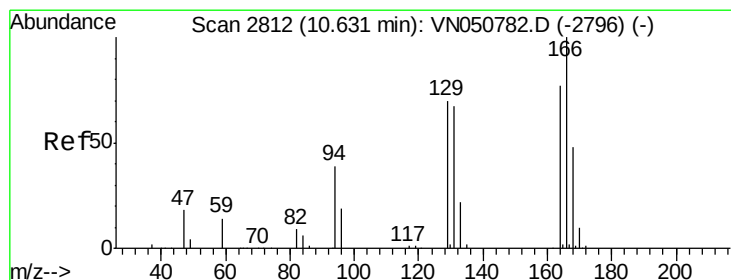
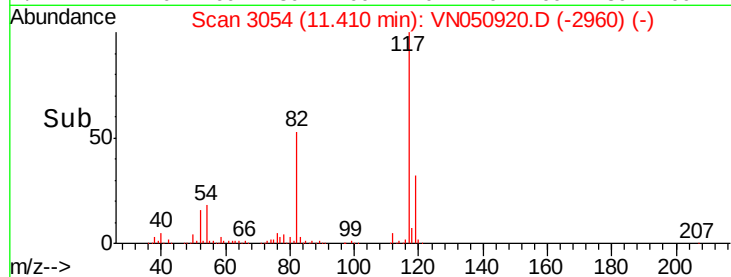
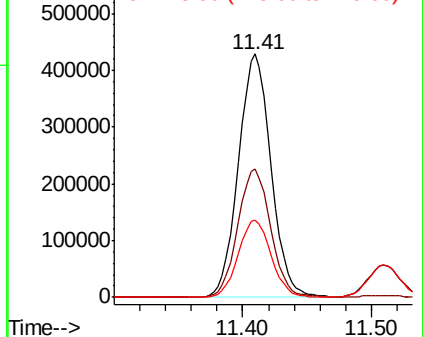
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

Tot Ion:117 Resp: 753099
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 31.7 25.8 38.6

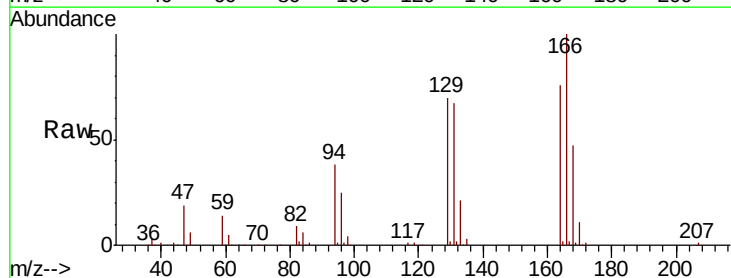


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

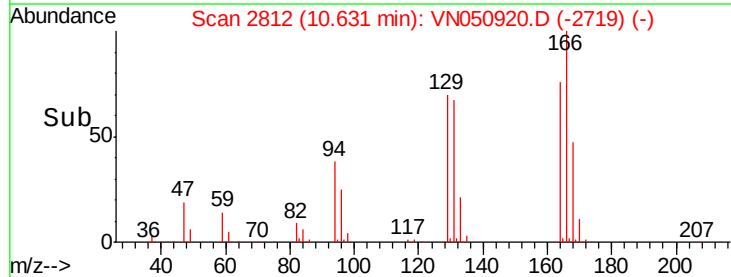
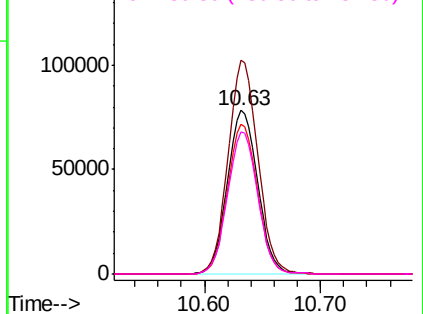


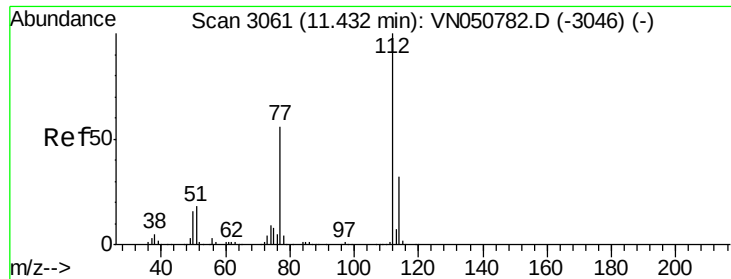
#64
Tetrachloroethene
Concen: 19.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion:164 Resp: 142034
Ion Ratio Lower Upper
164 100
166 130.8 103.5 155.3
129 92.0 72.7 109.1
131 87.3 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.46 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

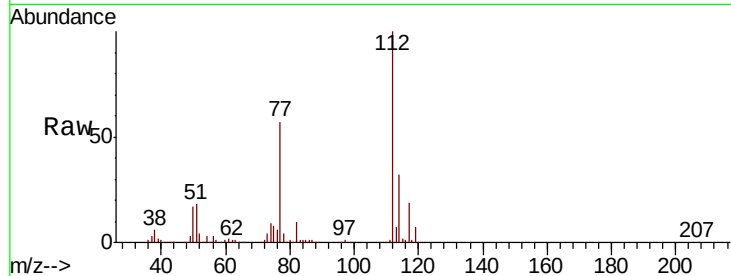
VN0828WBS02

Tot Ion:112 Resp: 383080

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

50000

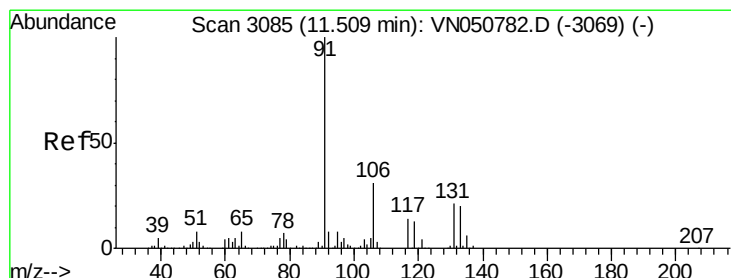
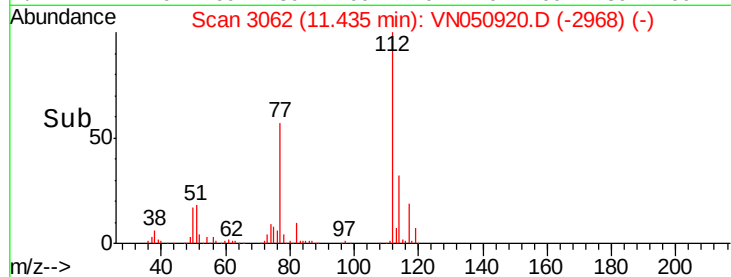
0

11.44

11.40

11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.32 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

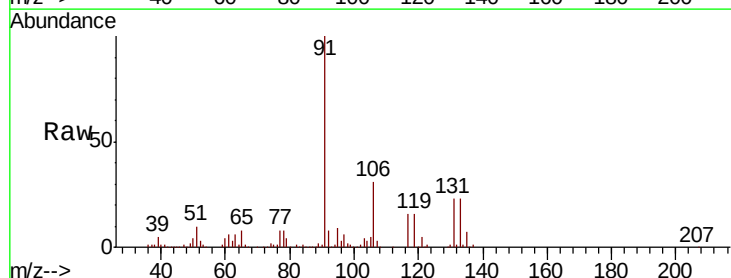
Tgt Ion:131 Resp: 146360

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 67.8 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

100000

50000

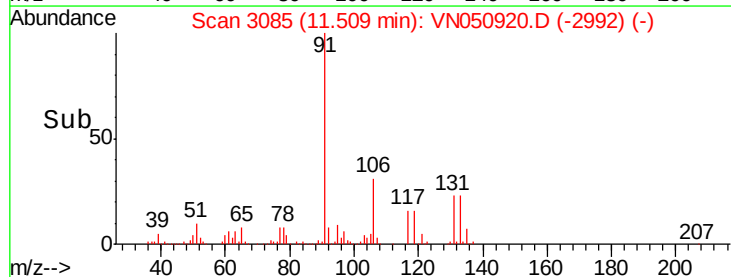
0

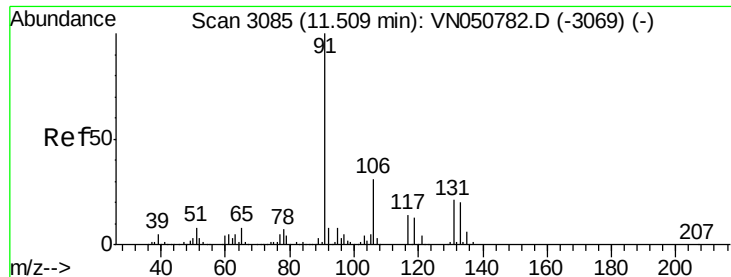
11.51

11.45

11.55

Time-->





#67

Ethyl Benzene

Concen: 19.60 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

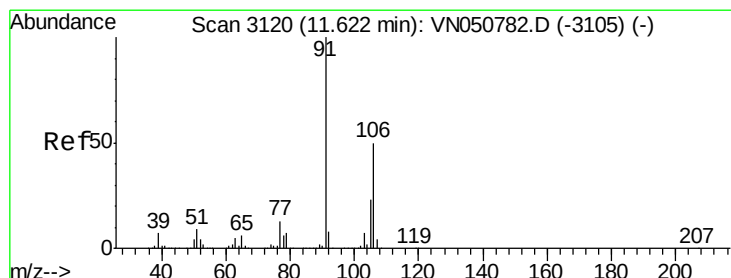
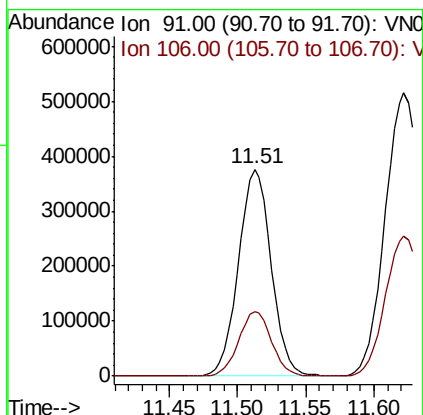
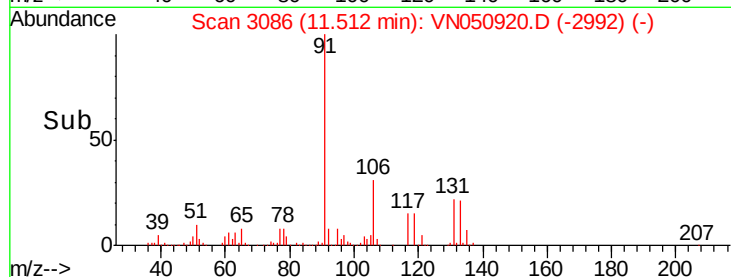
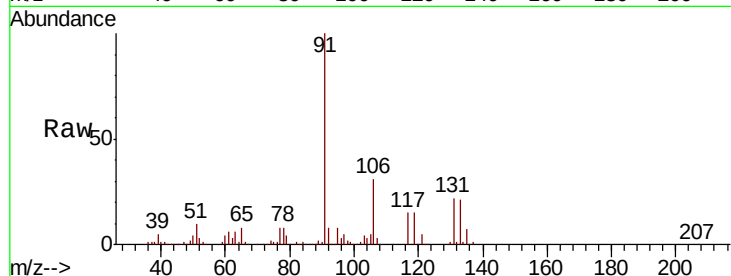
VN0828WBS02

Tot Ion: 91 Resp: 627269

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



#68

m/p-Xylenes

Concen: 40.57 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050920.D

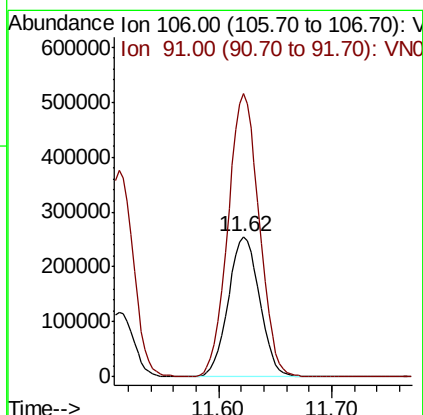
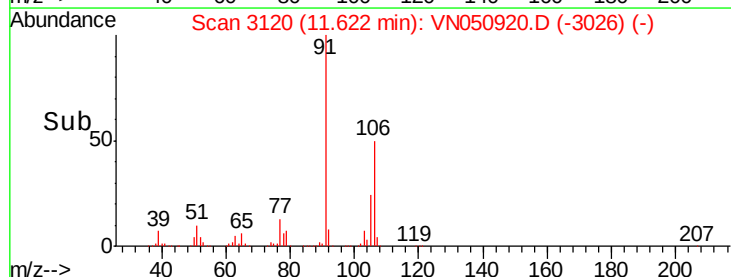
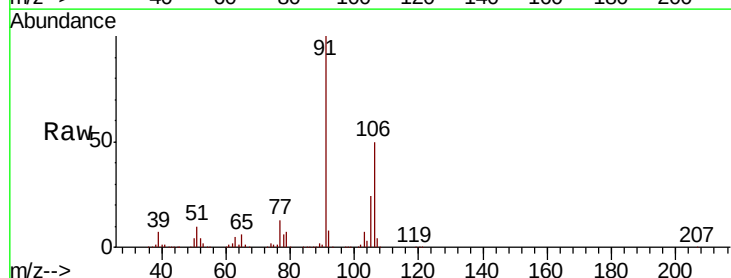
Acq: 28 Aug 2018 18:13

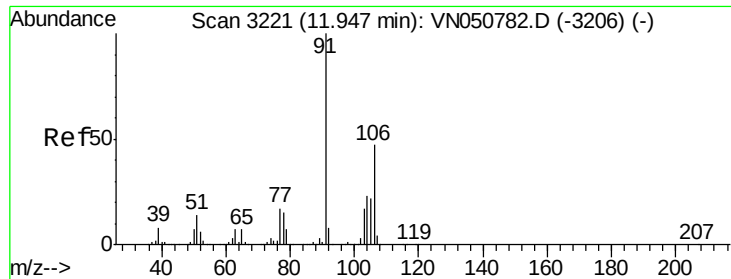
Tgt Ion: 106 Resp: 492793

Ion Ratio Lower Upper

106 100

91 200.4 161.0 241.6

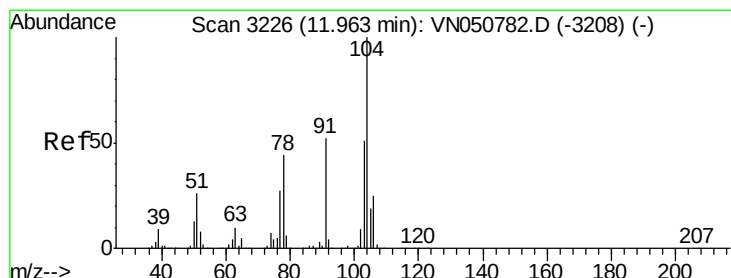
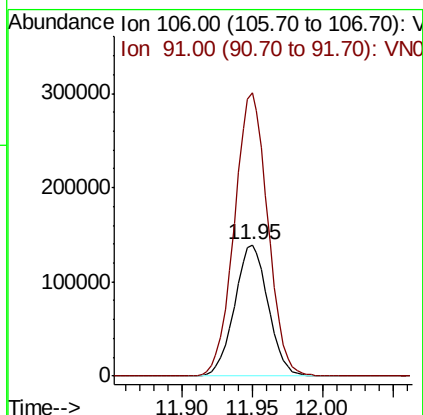
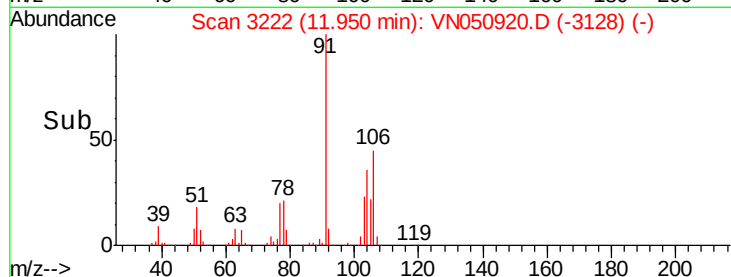
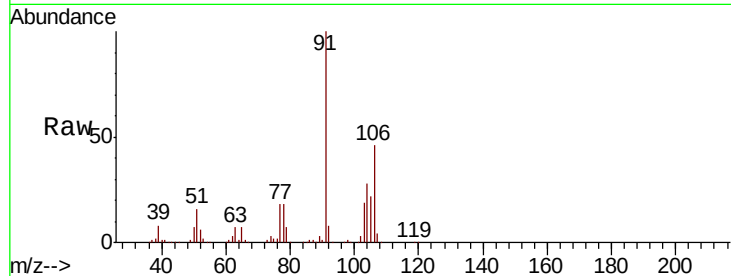




#69
o-Xylene
Concen: 19.86 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

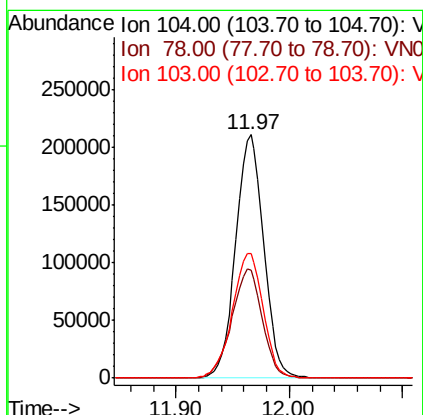
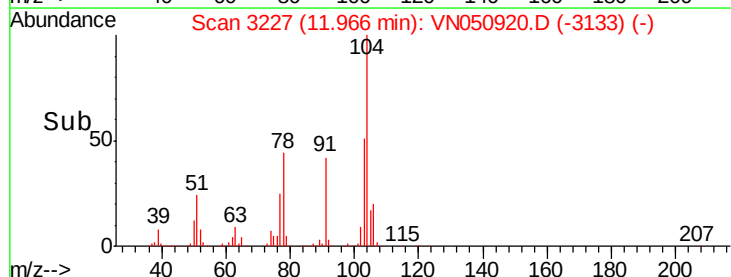
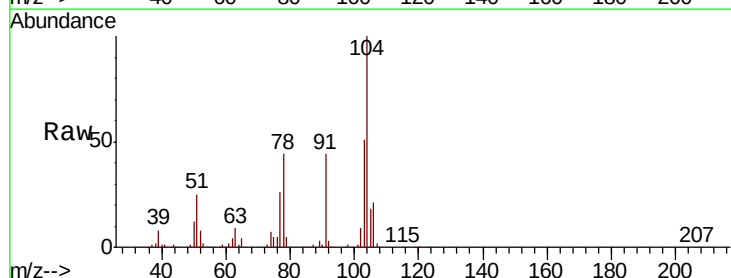
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

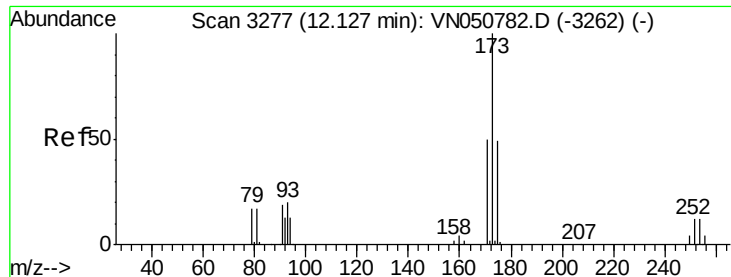
Tot Ion:106 Resp: 231949
Ion Ratio Lower Upper
106 100
91 215.1 106.5 319.5



#70
Styrene
Concen: 18.59 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion:104 Resp: 365672
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.4
103 56.1 44.4 66.6

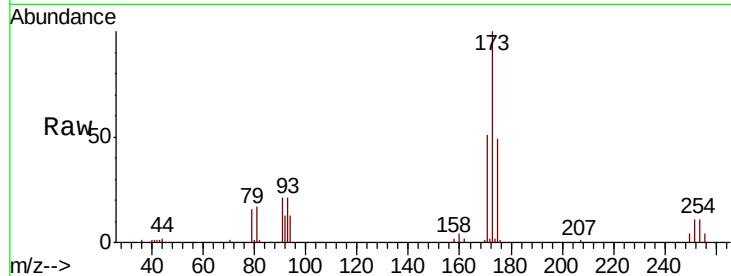




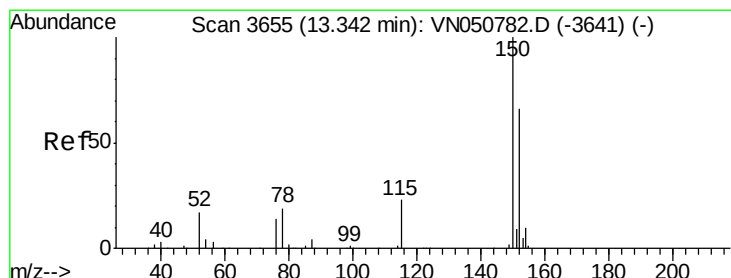
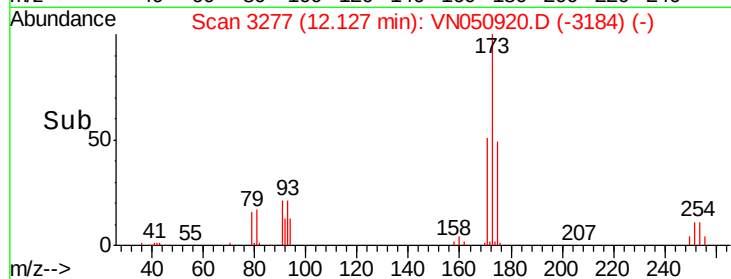
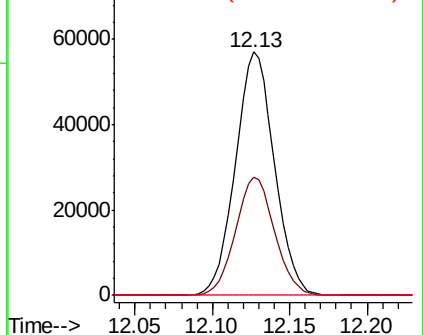
#71
Bromoform
Concen: 20.13 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion:173 Resp: 99705
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.4
254 0.0 0.1 0.1#

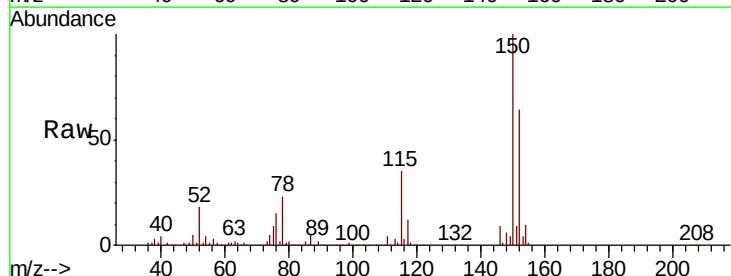


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

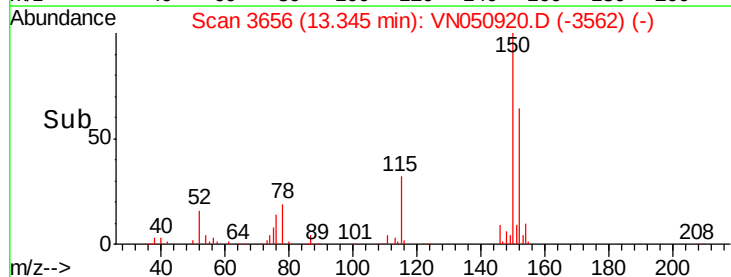
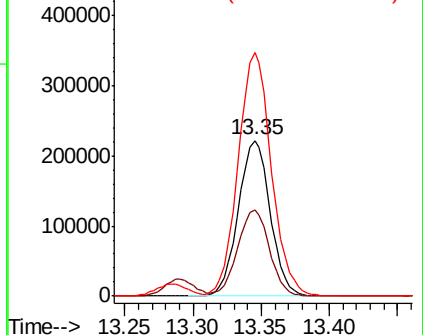


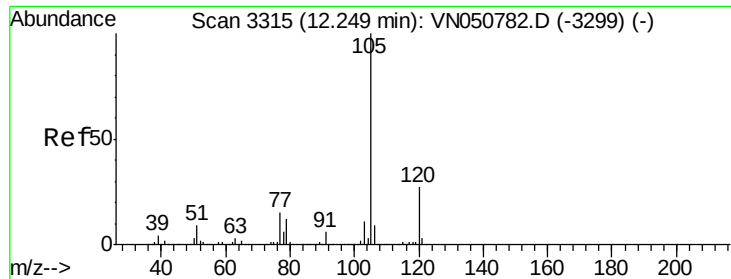
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion:152 Resp: 360743
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 162.8 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.85 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

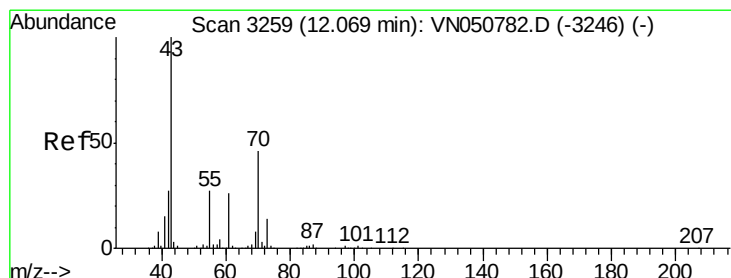
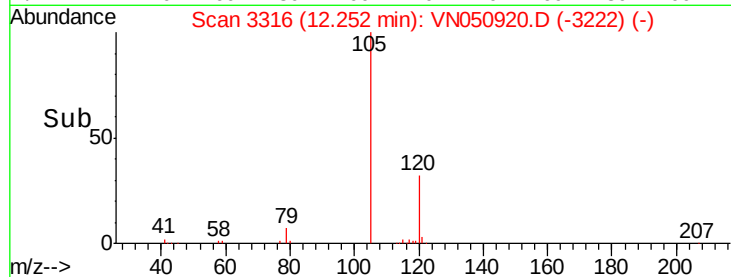
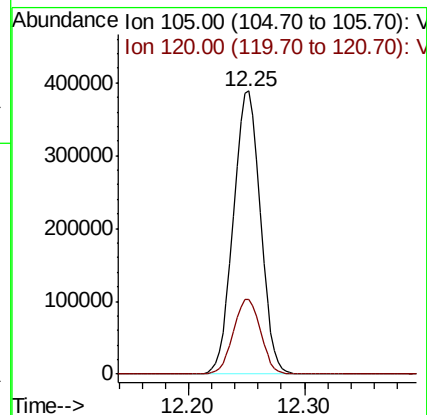
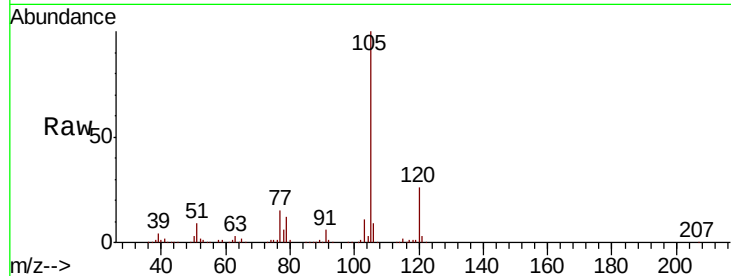
VN0828WBS02

Tot Ion:105 Resp: 622857

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 20.78 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion: 43 Resp: 155943

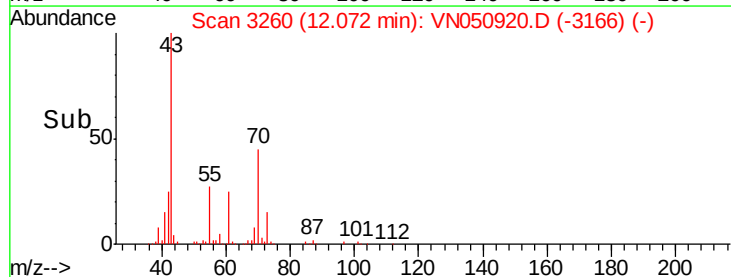
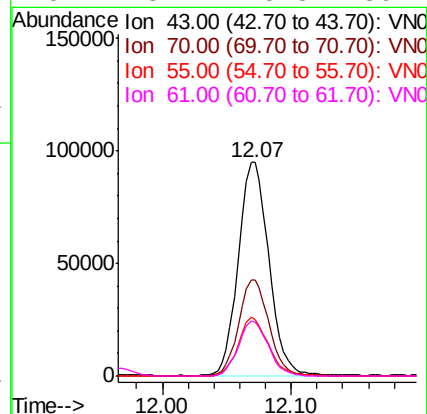
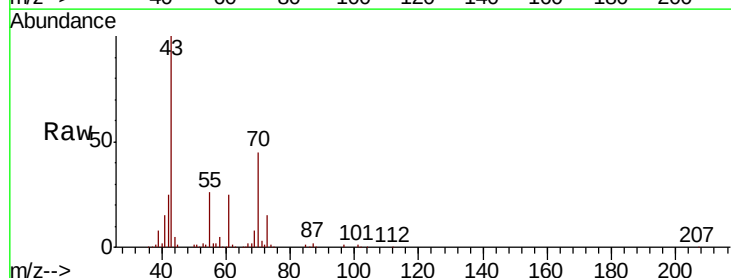
Ion Ratio Lower Upper

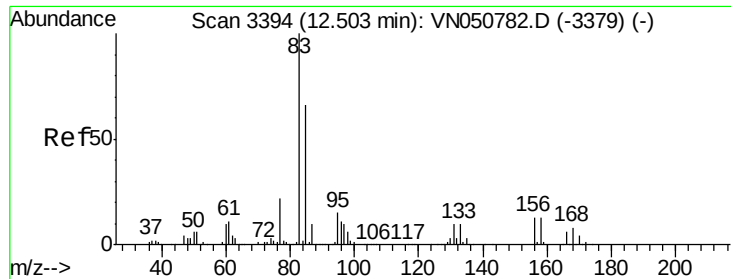
43 100

70 44.9 36.2 54.2

55 27.0 21.8 32.8

61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 23.21 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

VN0828WBS02

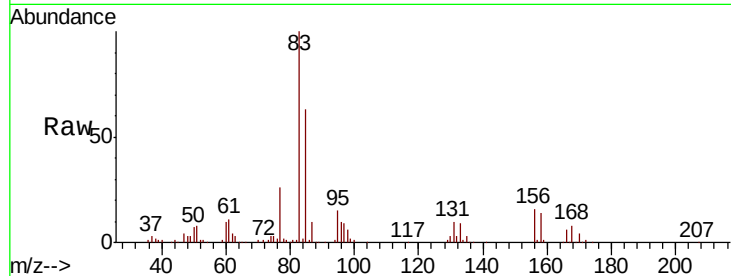
Tot Ion: 83 Resp: 171559

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

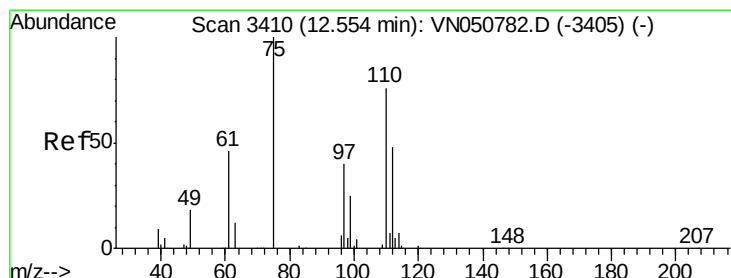
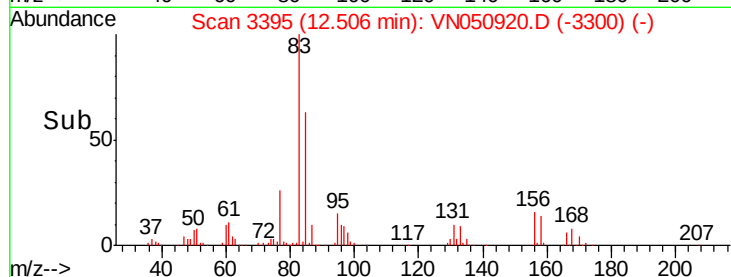
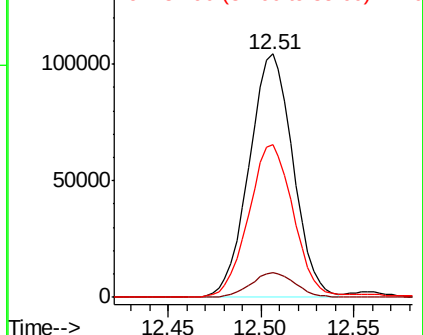
85 63.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.47 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050920.D

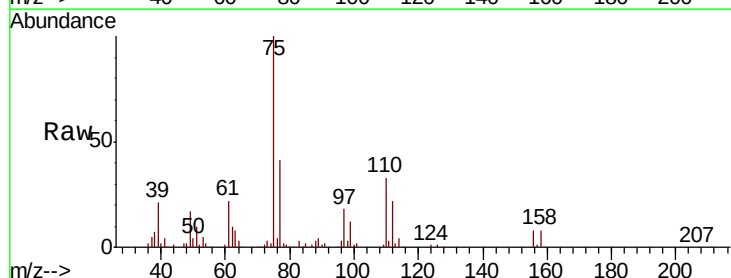
Acq: 28 Aug 2018 18:13

Tgt Ion: 75 Resp: 192542

Ion Ratio Lower Upper

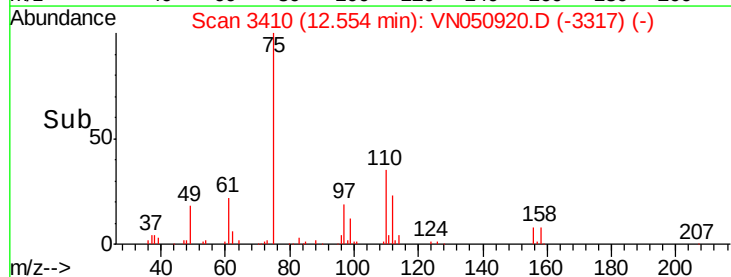
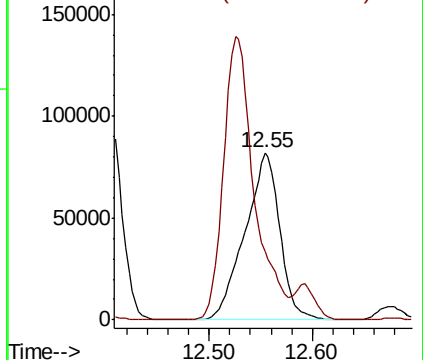
75 100

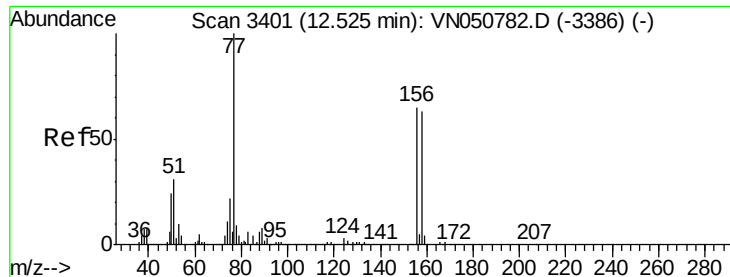
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.81 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

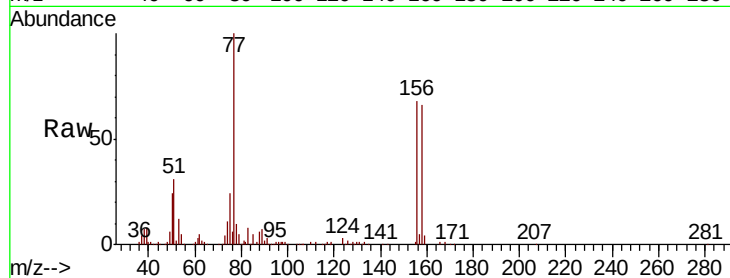
Tot Ion:156 Resp: 160813

Ion Ratio Lower Upper

156 100

77 179.2 89.9 269.7

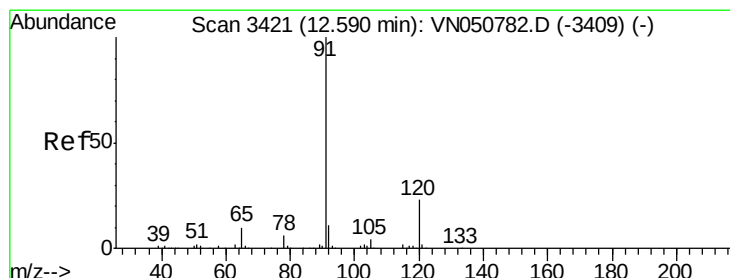
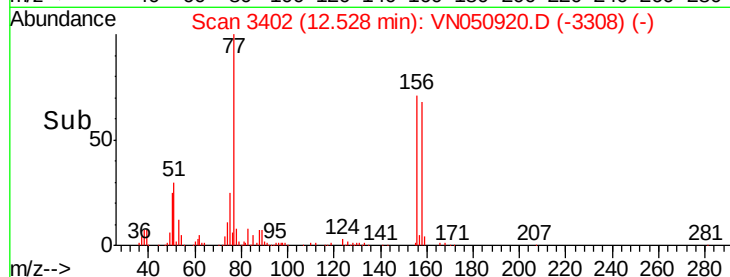
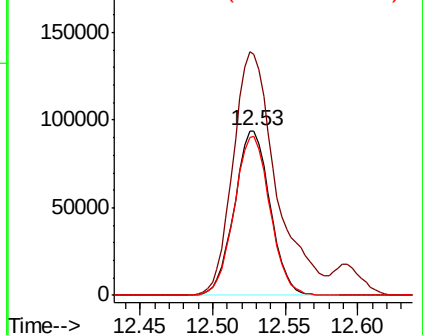
158 96.7 49.3 147.9



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: 20.39 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050920.D

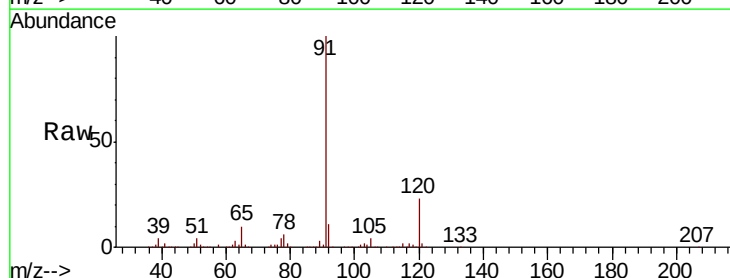
Acq: 28 Aug 2018 18:13

Tgt Ion: 91 Resp: 680331

Ion Ratio Lower Upper

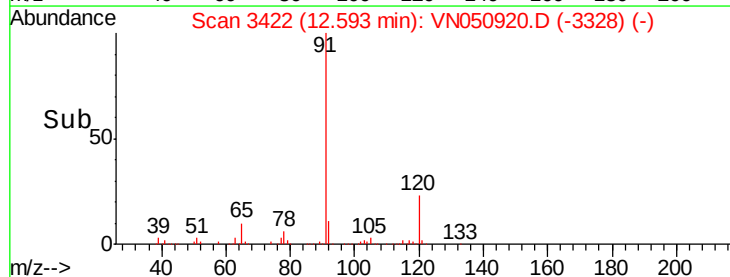
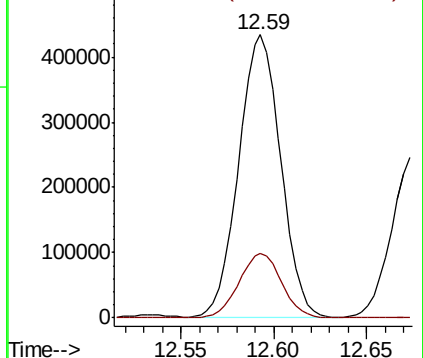
91 100

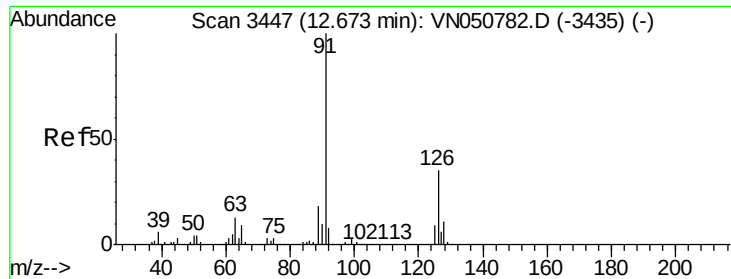
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

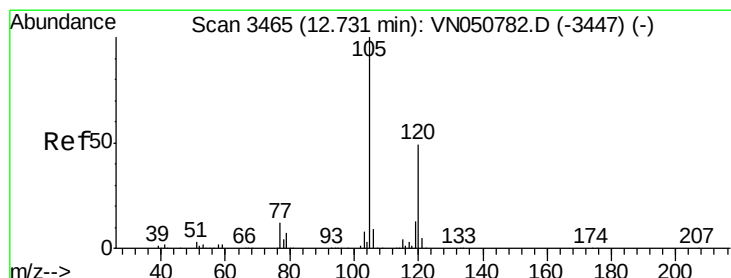
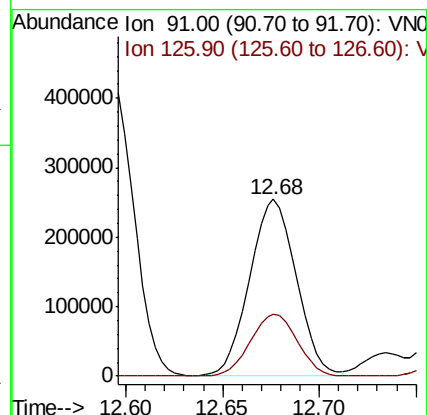
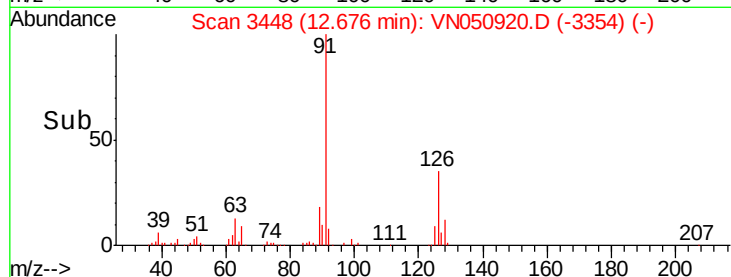
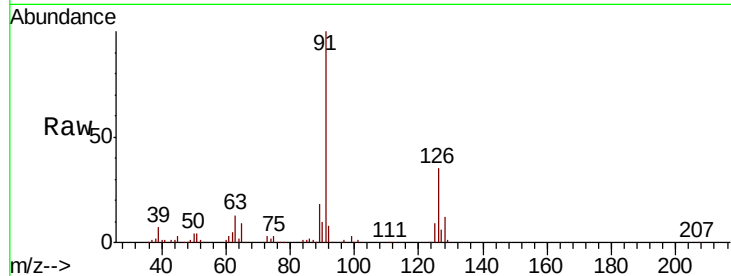
VN0828WBS02

Tot Ion: 91 Resp: 424995

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.07 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050920.D

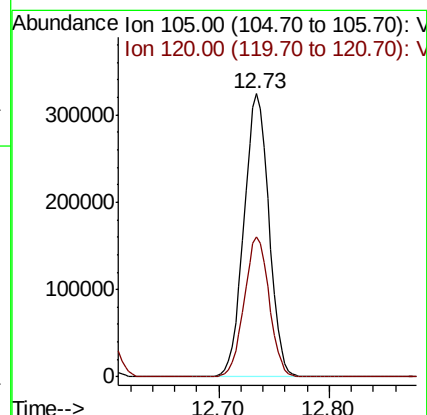
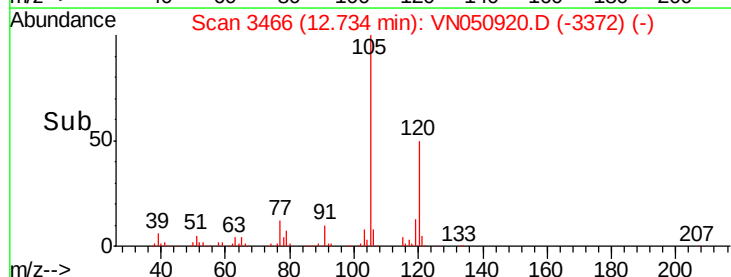
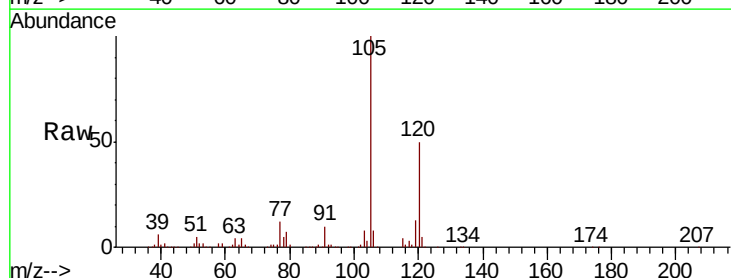
Acq: 28 Aug 2018 18:13

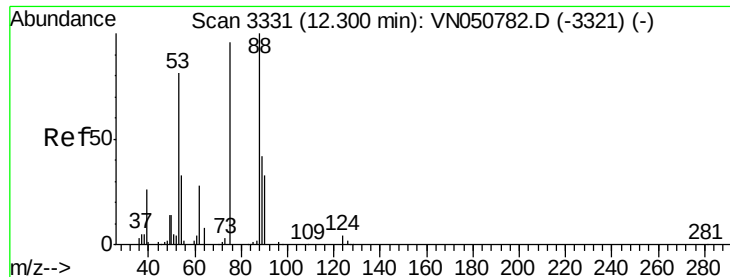
Tgt Ion: 105 Resp: 507844

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.87 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

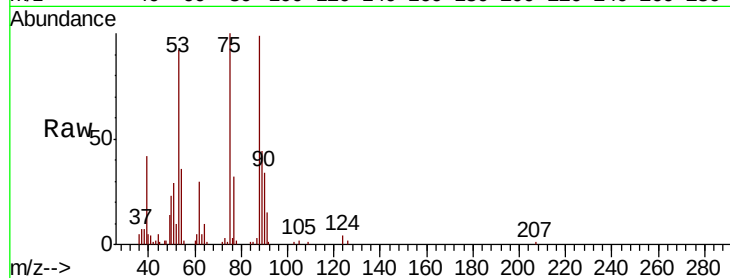
Tot Ion: 75 Resp: 37147

Ion Ratio Lower Upper

75 100

53 90.8 68.9 103.3

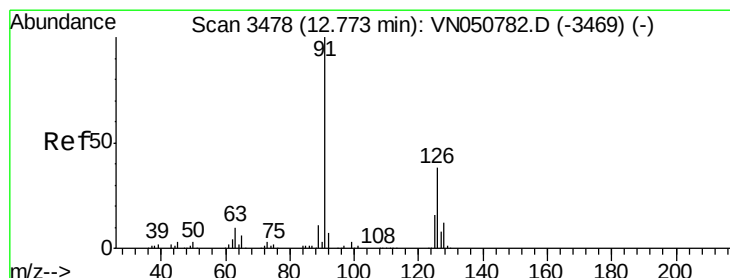
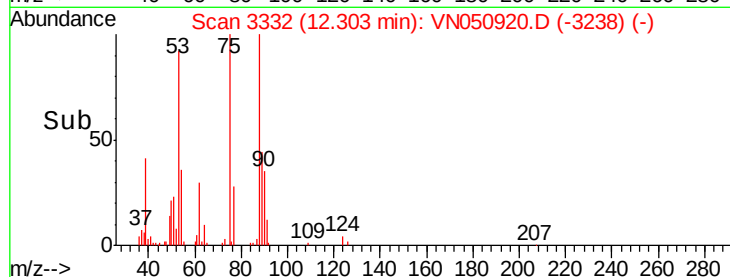
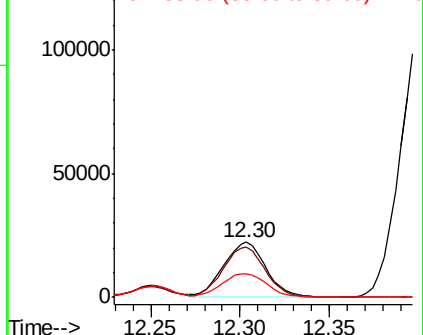
89 45.3 36.1 54.1



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: 20.22 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050920.D

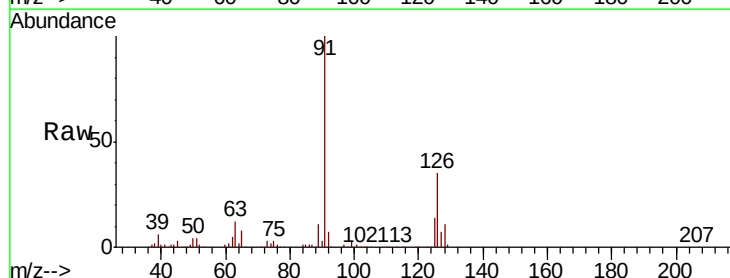
Acq: 28 Aug 2018 18:13

Tgt Ion: 91 Resp: 414989

Ion Ratio Lower Upper

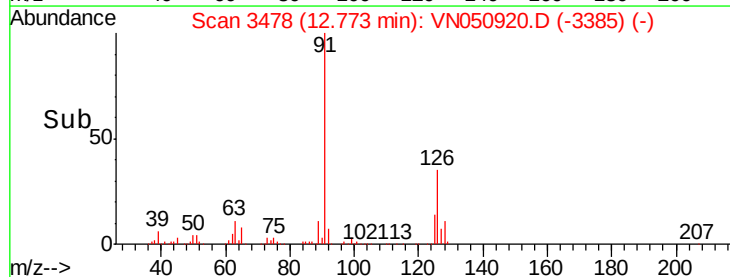
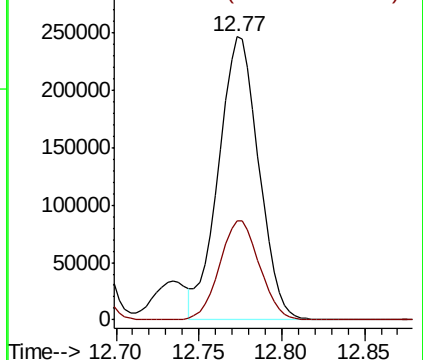
91 100

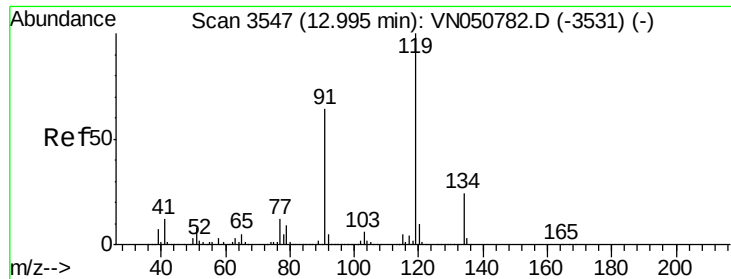
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

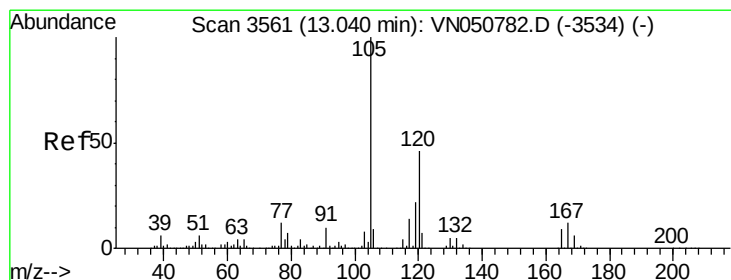
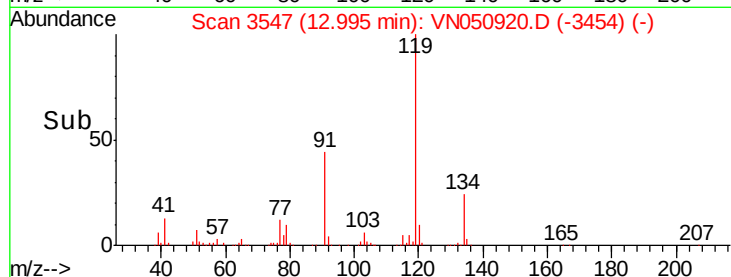
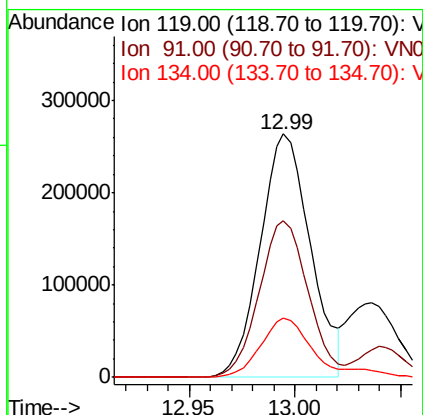
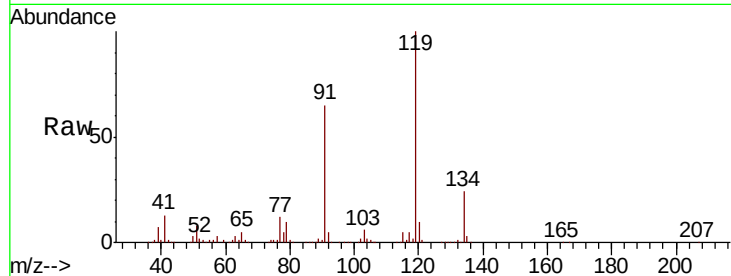




#83
 tert-Butylbenzene
 Concen: 20.90 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

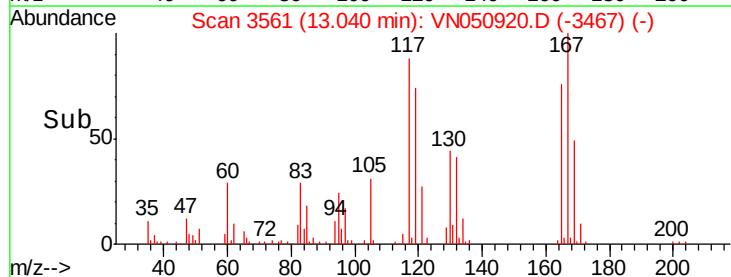
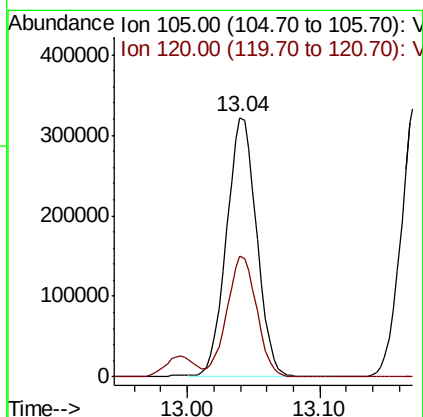
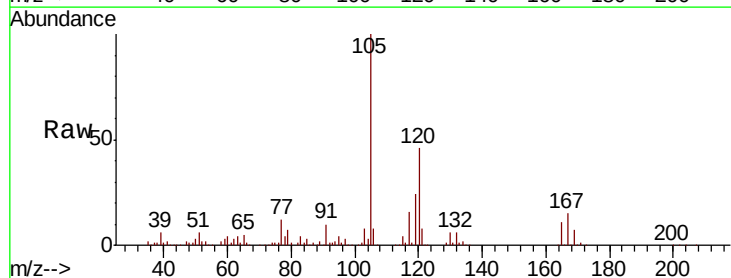
Instrument :
 MSVOA_N
 ClientSampled :
 VN0828WBS02

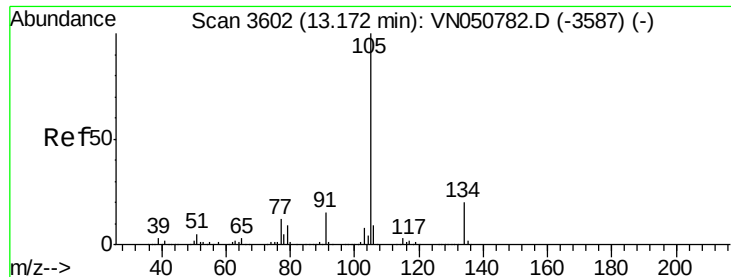
Tot Ion:119 Resp: 436349
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 94.7
 134 26.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion:105 Resp: 507424
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.72 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

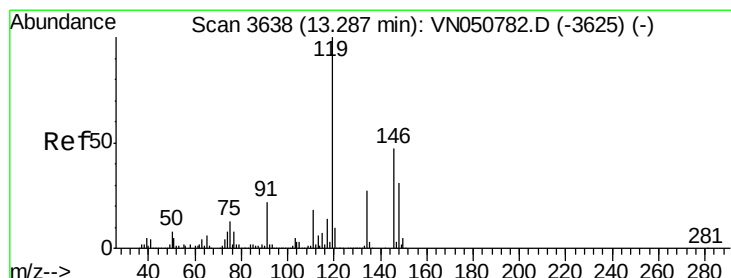
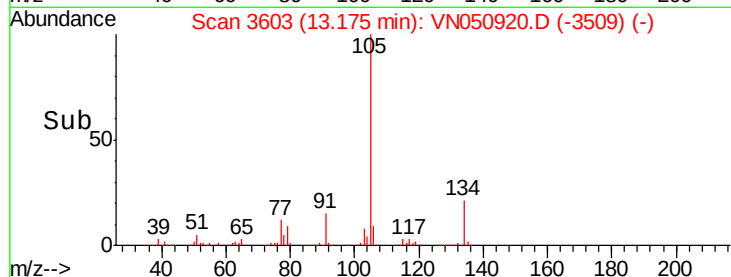
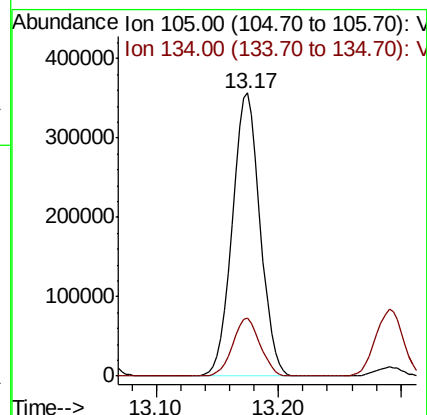
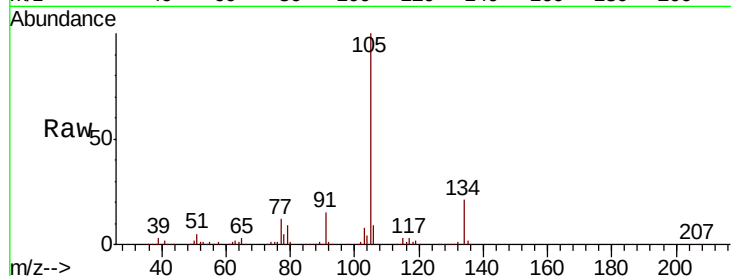
VN0828WBS02

Tot Ion:105 Resp: 566787

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.52 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

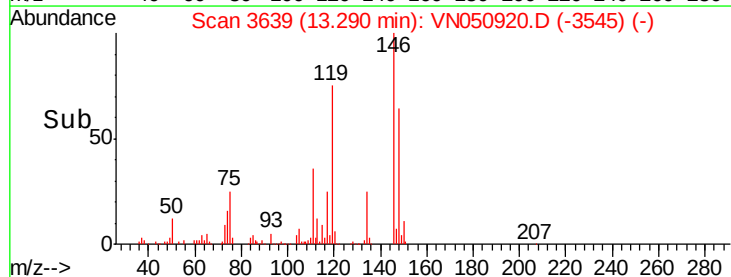
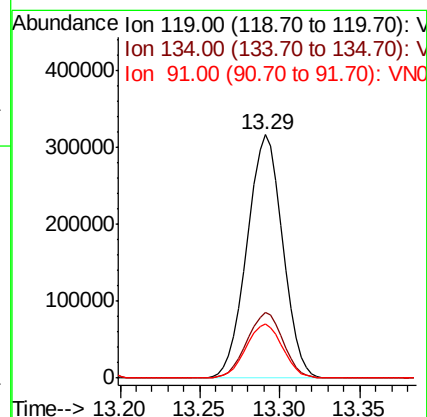
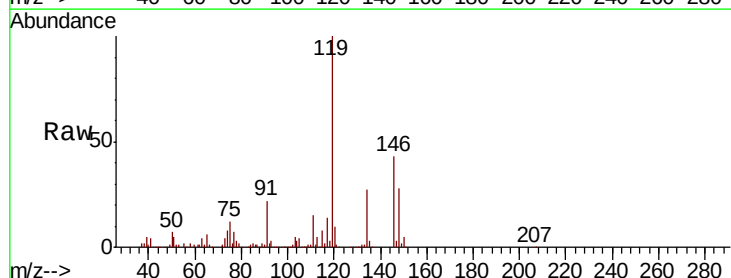
Tgt Ion:119 Resp: 478351

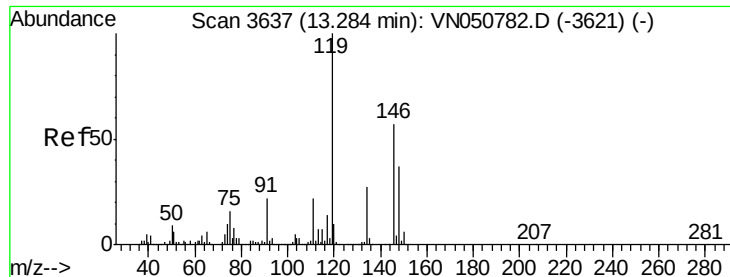
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 22.7 11.2 33.5

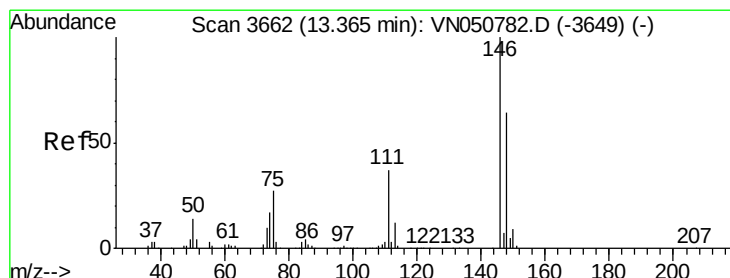
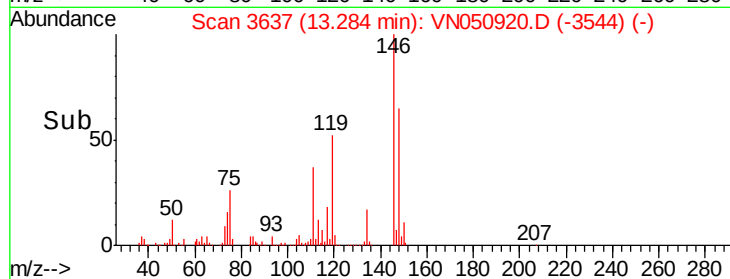
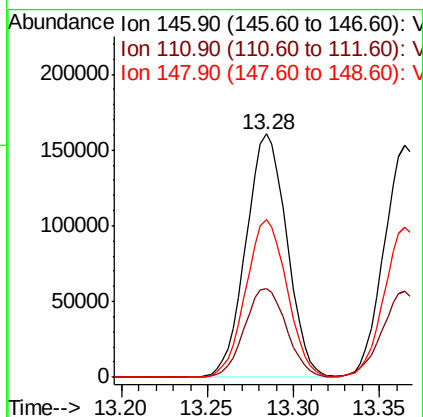
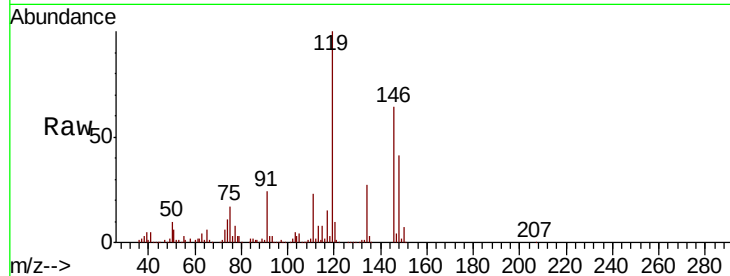




#87
 1,3-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

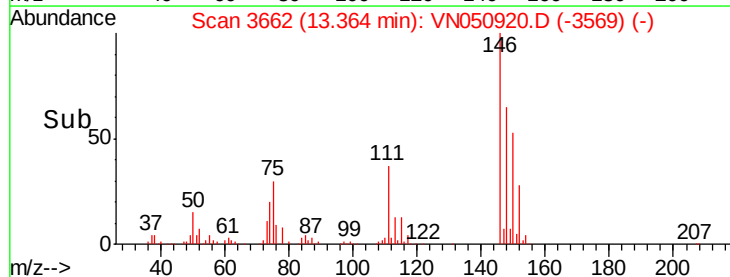
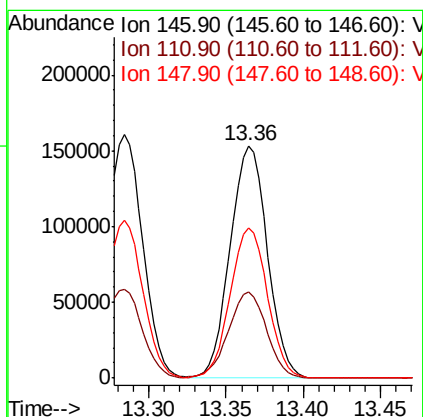
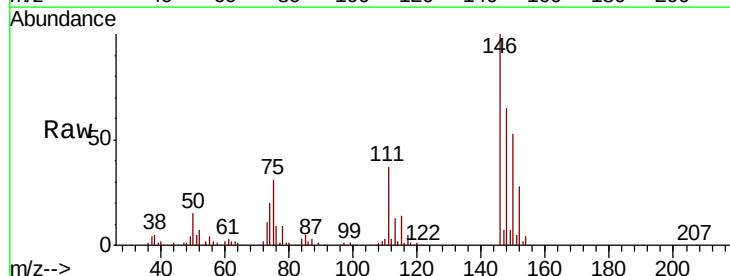
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

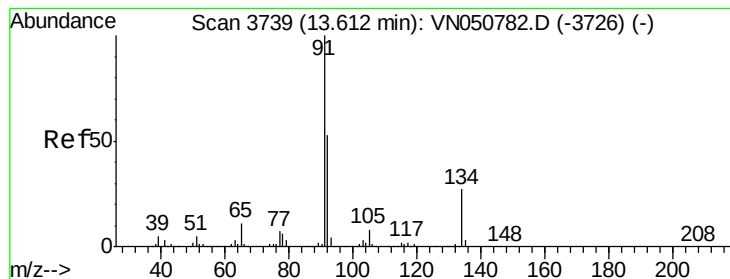
Tot Ion:146 Resp: 266374
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.3
 148 65.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion:146 Resp: 256303
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 64.5 32.2 96.6





#89

n-Butylbenzene

Concen: 18.69 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

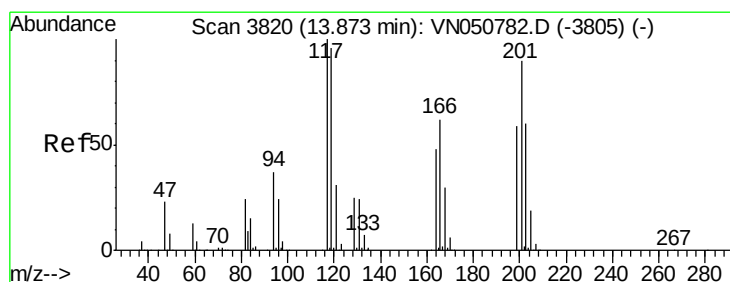
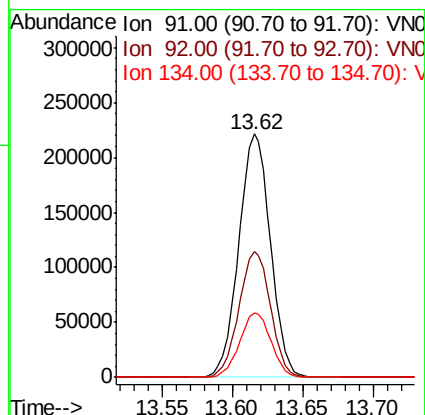
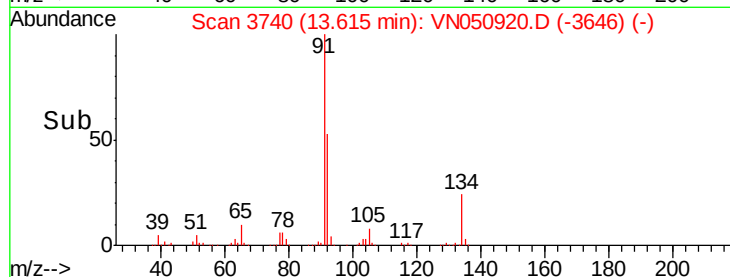
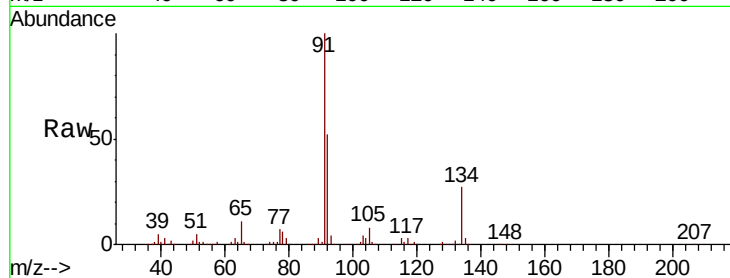
Tot Ion: 91 Resp: 348416

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

134 26.3 13.2 39.6



#90

Hexachloroethane

Concen: 20.78 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050920.D

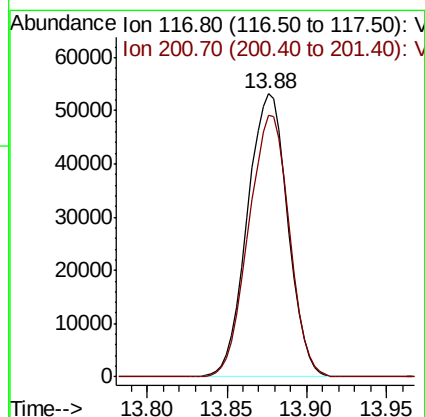
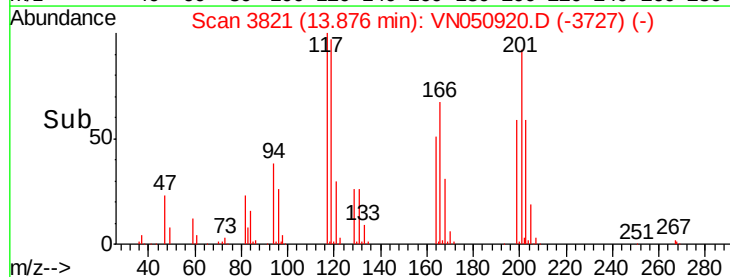
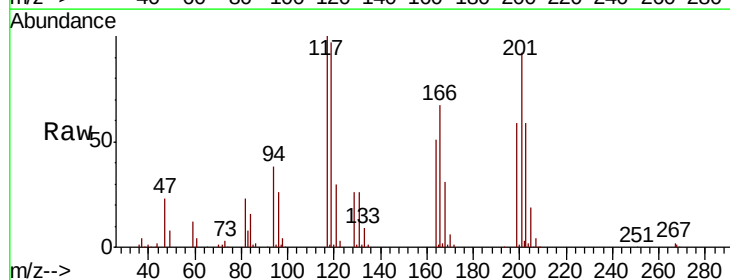
Acq: 28 Aug 2018 18:13

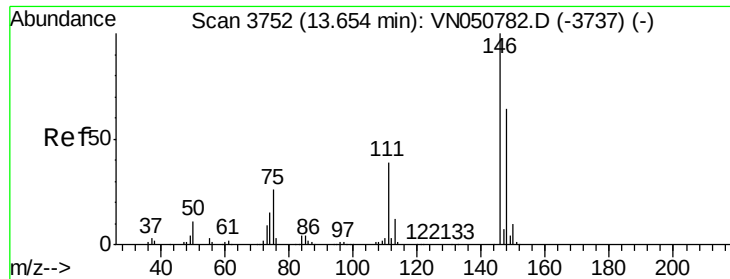
Tgt Ion: 117 Resp: 91819

Ion Ratio Lower Upper

117 100

201 93.1 46.0 137.8

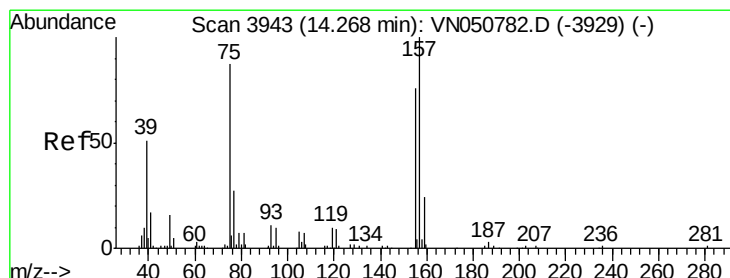
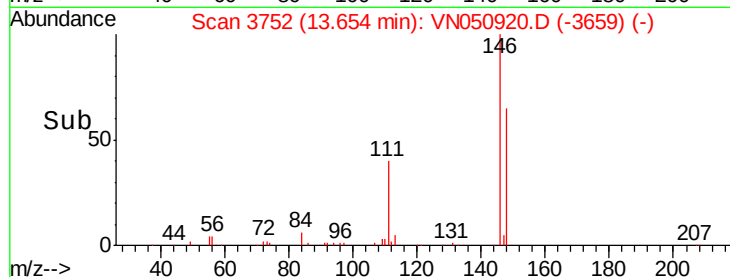
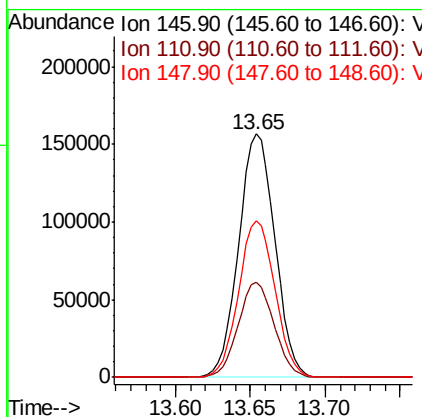
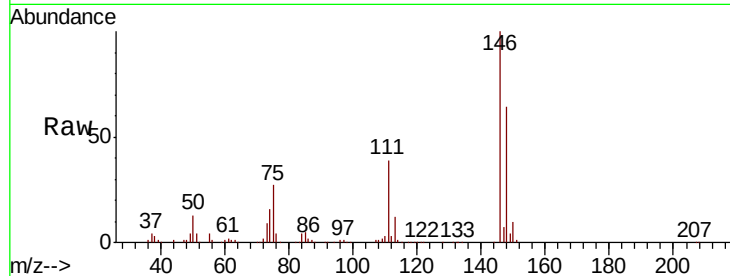




#91
 1,2-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

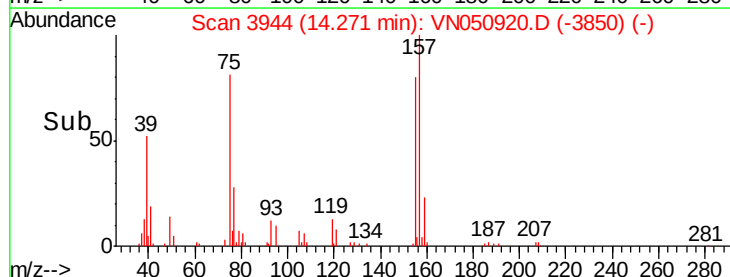
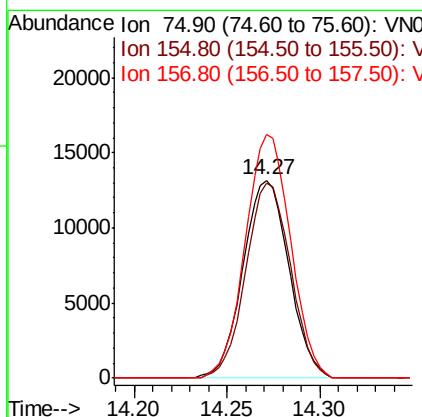
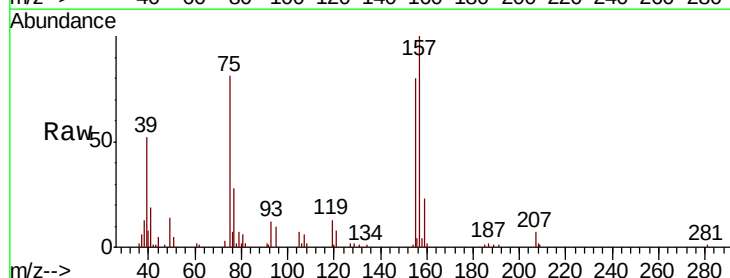
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

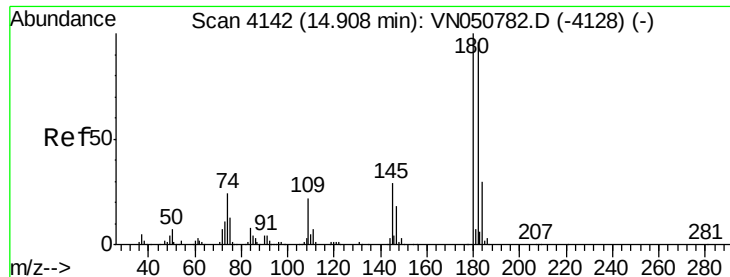
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	64.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.12 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	46.4	139.1
157	121.5	60.7	182.0

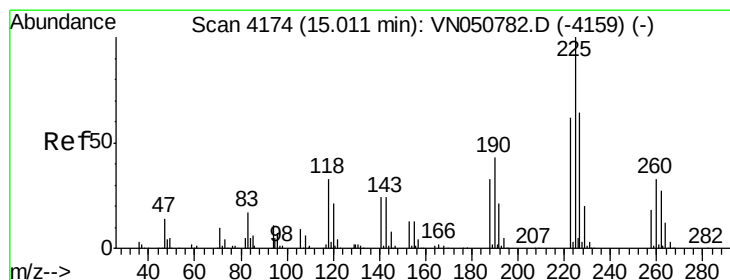
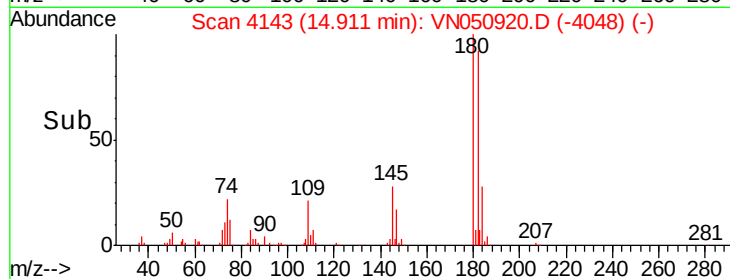
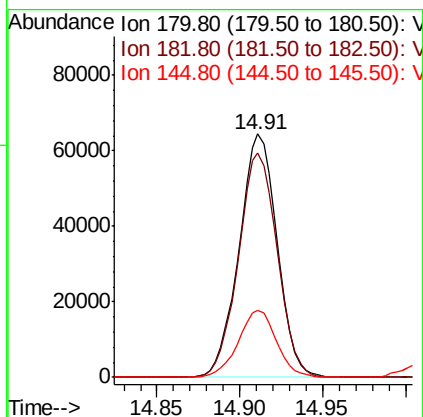
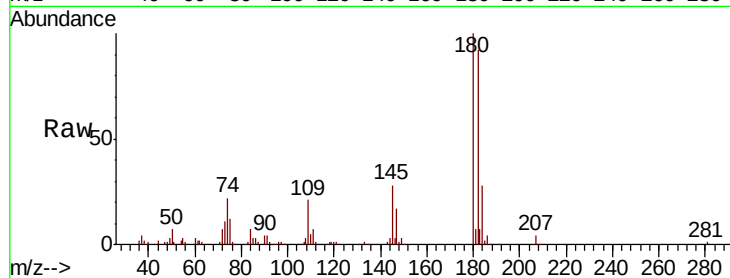




#93
 1,2,4-Trichlorobenzene
 Concen: 17.78 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

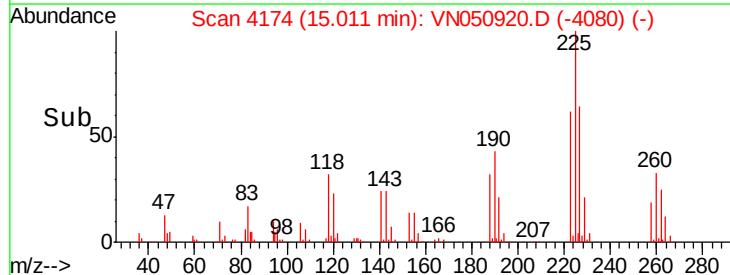
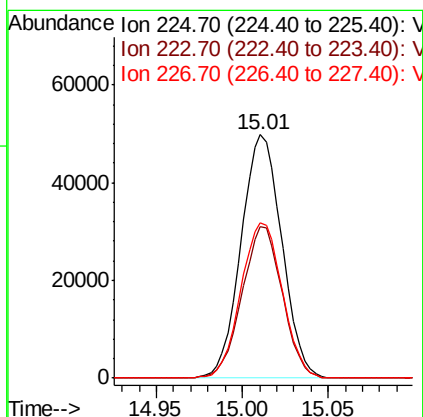
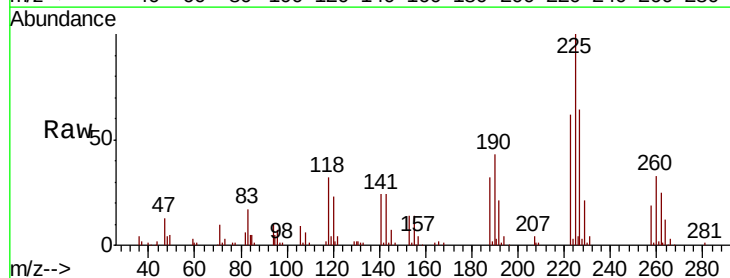
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

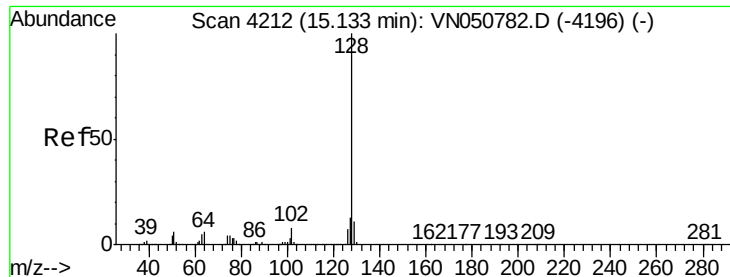
Tot Ion:180 Resp: 103154
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.2 144.6
 145 27.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 20.14 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion:225 Resp: 81988
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.3 93.8
 227 64.8 32.0 96.2





#95

Naphthalene

Concen: 17.68 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

VN0828WBS02

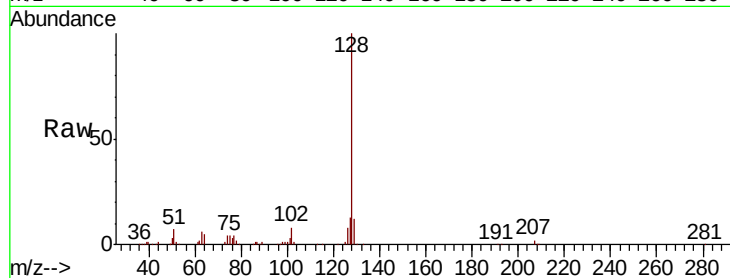
Tot Ion:128 Resp: 198442

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

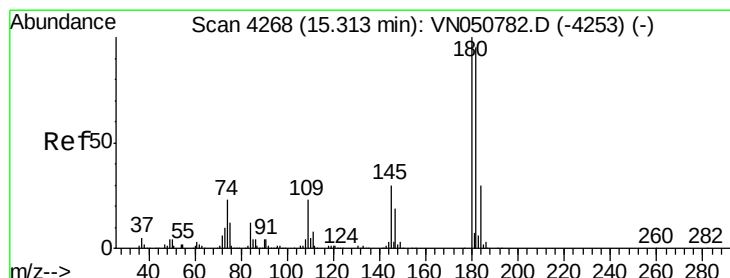
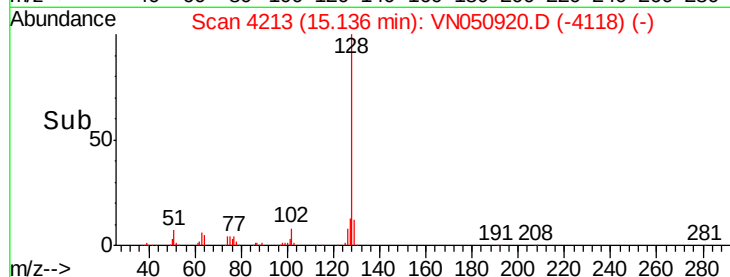
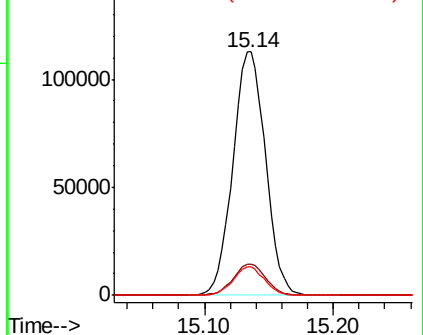
129 11.3 8.7 13.1



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: 18.43 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

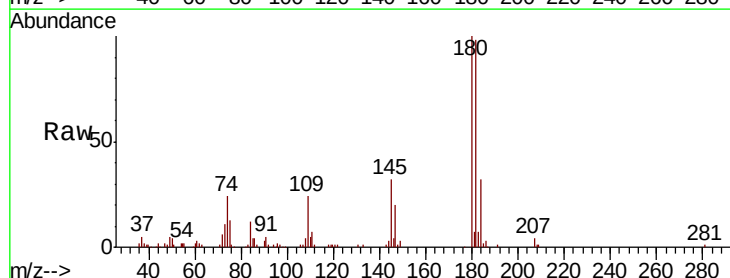
Tgt Ion:180 Resp: 105002

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.2

145 30.9 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

