

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050507.D
 Acq On : 10 Aug 2018 10:36
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 10 23:12:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	705591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1000018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	476935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446123	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
35) Dibromofluoromethane	7.59	113	407792	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	1490084	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	510130	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	348269	44.47	ug/l	100
3) Chloromethane	2.06	50	415490	44.74	ug/l	100
4) Vinyl Chloride	2.18	62	449454	44.33	ug/l	99
5) Bromomethane	2.56	94	245296	49.90	ug/l	100
6) Chloroethane	2.70	64	282122	45.16	ug/l	100
7) Trichlorofluoromethane	3.01	101	611052	46.67	ug/l	100
8) Diethyl Ether	3.41	74	227703	47.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389922	48.19	ug/l	99
10) Methyl Iodide	3.95	142	206806	58.01	ug/l	99
11) Tert butyl alcohol	4.79	59	135915	179.47	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	345818	45.33	ug/l	97
13) Acrolein	3.61	56	108207	118.24	ug/l	96
14) Allyl chloride	4.32	41	562563	45.92	ug/l	98
15) Acrylonitrile	4.99	53	676798	213.35	ug/l	100
16) Acetone	3.82	43	595444	211.74	ug/l	98
17) Carbon Disulfide	4.05	76	1016993	41.00	ug/l	100
18) Methyl Acetate	4.32	43	333956	45.70	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1052588	48.62	ug/l	99
20) Methylene Chloride	4.55	84	417797	48.55	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	385073	46.65	ug/l	98
22) Diisopropyl ether	5.95	45	1258568	50.29	ug/l	98
23) Vinyl Acetate	5.90	43	4280275	239.72	ug/l	100
24) 1,1-Dichloroethane	5.85	63	731439	47.63	ug/l	99
25) 2-Butanone	6.84	43	1007618	215.69	ug/l	99
26) 2,2-Dichloropropane	6.82	77	598151	47.25	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	446931	48.85	ug/l	99
28) Bromochloromethane	7.19	49	343788	48.64	ug/l	97
29) Tetrahydrofuran	7.21	42	504378	201.71	ug/l	99
30) Chloroform	7.37	83	750959	48.92	ug/l	100
31) Cyclohexane	7.65	56	620824	45.89	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	624039	47.34	ug/l	99
36) 1,1-Dichloropropene	7.79	75	553930	50.41	ug/l	100
37) Ethyl Acetate	6.93	43	357583	45.19	ug/l	99
38) Carbon Tetrachloride	7.77	117	558237	48.70	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	596467	49.73	ug/l	97
40) Benzene	8.04	78	1689772	50.02	ug/l	100
41) Methacrylonitrile	7.17	41	179171	42.58	ug/l	85
42) 1,2-Dichloroethane	8.12	62	540959	50.44	ug/l	99
43) Isopropyl Acetate	8.16	43	623199	45.62	ug/l #	85
44) Trichloroethene	8.83	130	445923	49.13	ug/l	100
45) 1,2-Dichloropropane	9.12	63	451149	50.80	ug/l	98
46) Dibromomethane	9.21	93	274151	49.99	ug/l	98
47) Bromodichloromethane	9.40	83	584180	51.43	ug/l	100
48) Methyl methacrylate	9.20	41	309120	45.15	ug/l	96
49) 1,4-Dioxane	9.20	88	83643	792.61	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2199149	223.55	ug/l	99
52) Toluene	10.16	92	1042789	51.39	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	590190	51.75	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	675485	53.07	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	395252	49.89	ug/l	99
56) Ethyl methacrylate	10.43	69	502379	44.99	ug/l	97
57) 1,3-Dichloropropane	10.71	76	656715	50.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1155153	221.93	ug/l	99
59) 2-Hexanone	10.75	43	1513329	220.43	ug/l	98
60) Dibromochloromethane	10.90	129	447821	51.31	ug/l	99
61) 1,2-Dibromoethane	11.00	107	386960	49.56	ug/l	99
64) Tetrachloroethene	10.63	164	423942	49.19	ug/l	100
65) Chlorobenzene	11.43	112	1139762	49.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	434862	51.67	ug/l	99
67) Ethyl Benzene	11.51	91	1940818	51.93	ug/l	99
68) m/p-Xylenes	11.62	106	1509218	106.07	ug/l	99
69) o-Xylene	11.95	106	722159	52.69	ug/l	99
70) Styrene	11.96	104	1200514	53.86	ug/l	99
71) Bromoform	12.13	173	305713	49.71	ug/l #	99
73) Isopropylbenzene	12.25	105	1903551	53.17	ug/l	99
74) N-amyl acetate	12.07	43	535601	46.15	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	483236	46.78	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	573959	66.48	ug/l #	100
77) Bromobenzene	12.53	156	498185	51.94	ug/l	97
78) n-propylbenzene	12.59	91	2177014	53.72	ug/l	99
79) 2-Chlorotoluene	12.67	91	1296399	51.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1574109	54.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	123359	50.21	ug/l	98
82) 4-Chlorotoluene	12.77	91	1333225	53.42	ug/l	99
83) tert-Butylbenzene	12.99	119	1319896	52.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1606746	54.58	ug/l	99
85) sec-Butylbenzene	13.17	105	1763376	52.18	ug/l	100
86) p-Isopropyltoluene	13.29	119	1565337	54.05	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	879362	51.48	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	854596	50.10	ug/l	99
89) n-Butylbenzene	13.62	91	1275413	51.73	ug/l	99
90) Hexachloroethane	13.88	117	260046	50.50	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	848969	49.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69320	39.53	ug/l	94

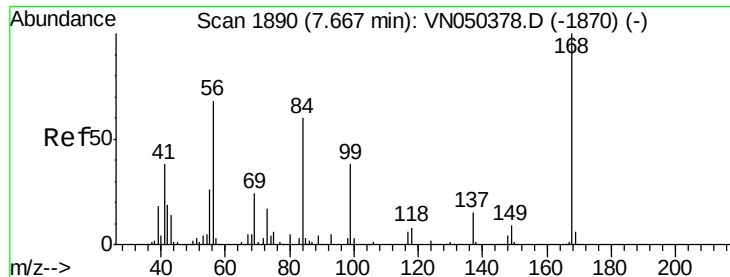
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	441948	50.67	ug/l	98
94) Hexachlorobutadiene	15.01	225	263901	55.57	ug/l	99
95) Naphthalene	15.14	128	944277	41.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	427065	48.43	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

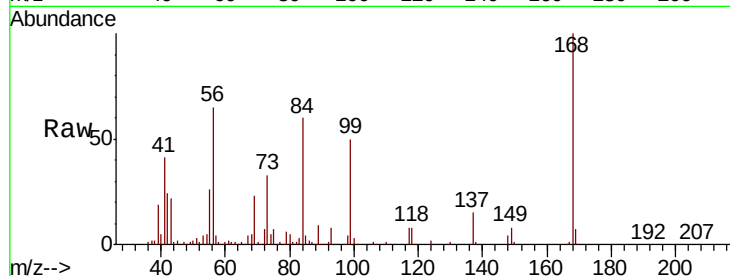
VSTDCCC050

Tot Ion:168 Resp: 705591

Ion Ratio Lower Upper

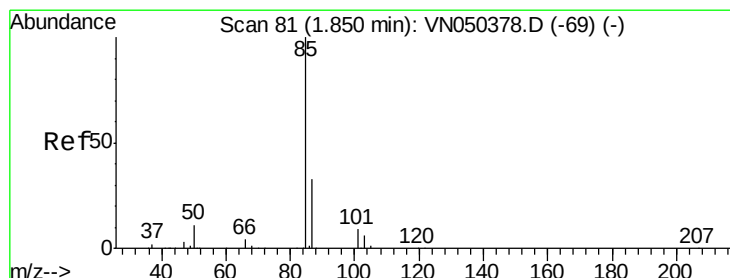
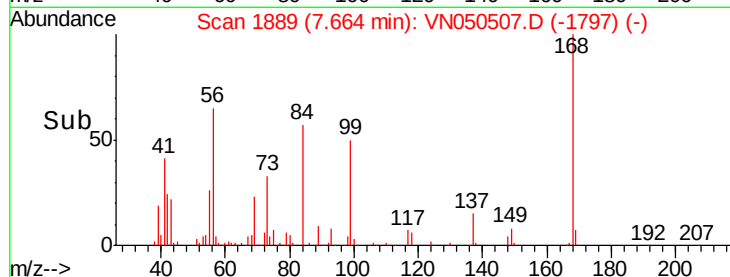
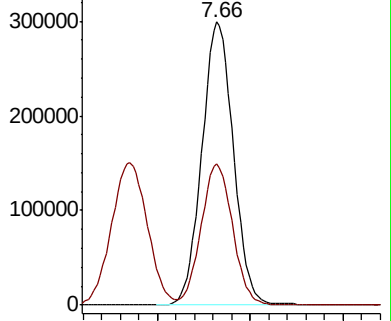
168 100

99 49.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 44.47 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050507.D

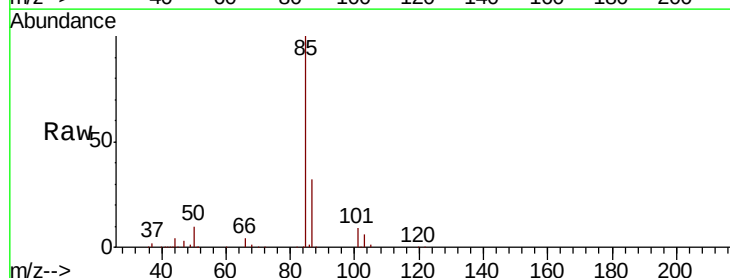
Acq: 10 Aug 2018 10:36

Tgt Ion: 85 Resp: 348269

Ion Ratio Lower Upper

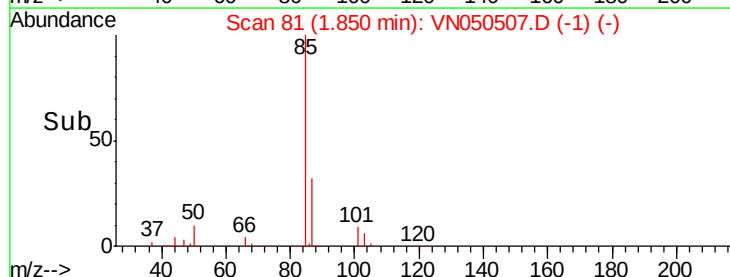
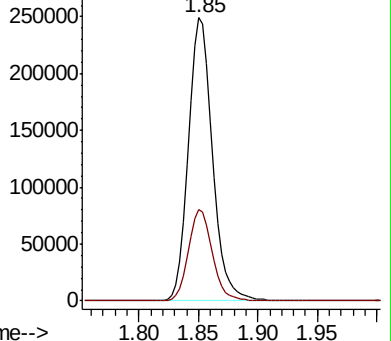
85 100

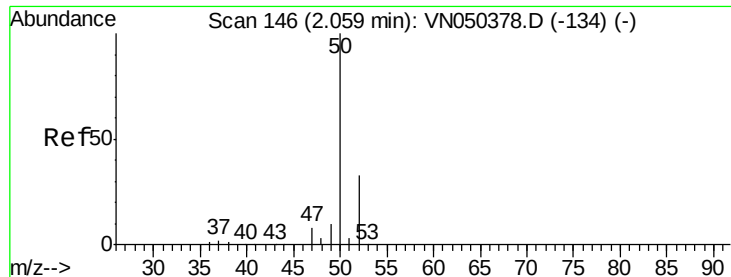
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 44.74 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

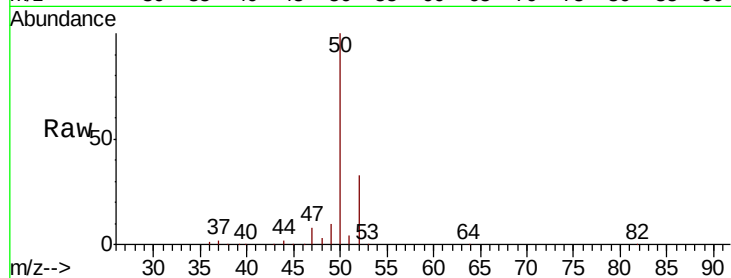
VSTDCCC050

Tot Ion: 50 Resp: 415490

Ion Ratio Lower Upper

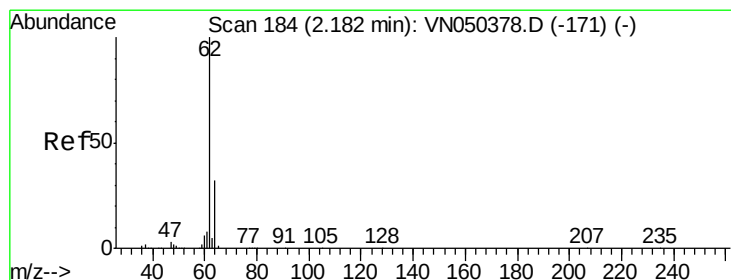
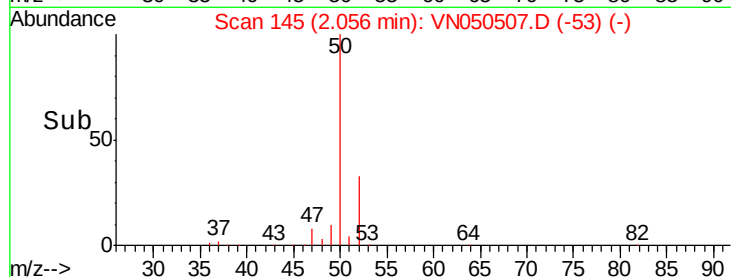
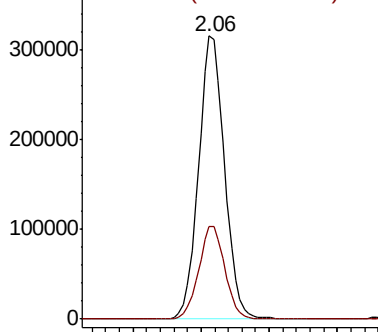
50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.33 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050507.D

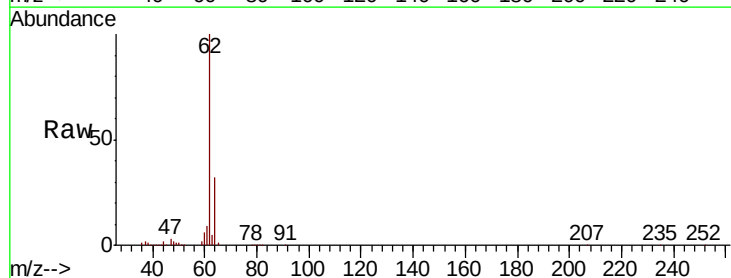
Acq: 10 Aug 2018 10:36

Tgt Ion: 62 Resp: 449454

Ion Ratio Lower Upper

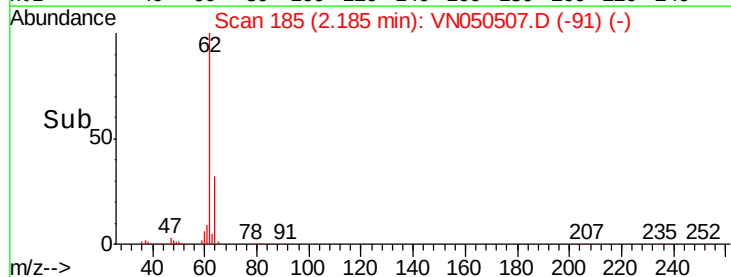
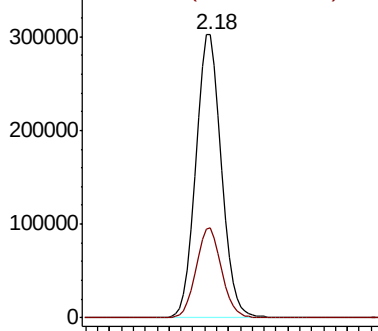
62 100

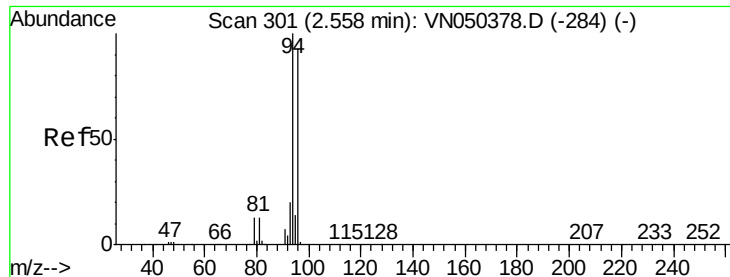
64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.90 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

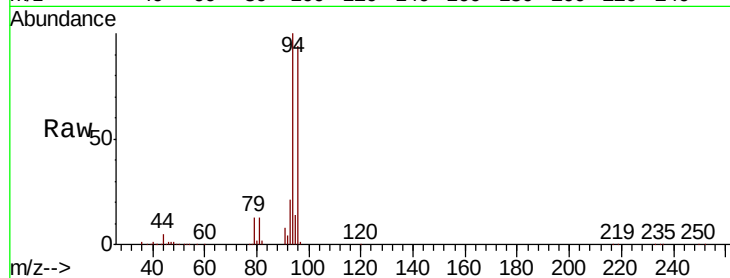
VSTDCCC050

Tot Ion: 94 Resp: 245296

Ion Ratio Lower Upper

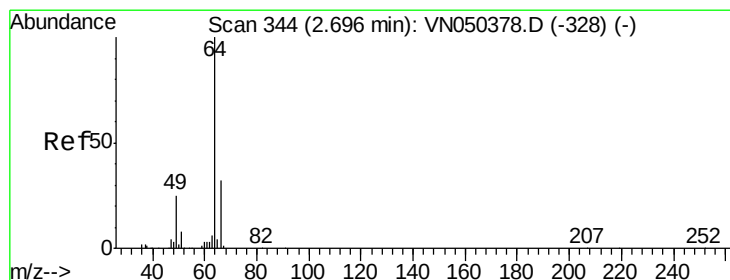
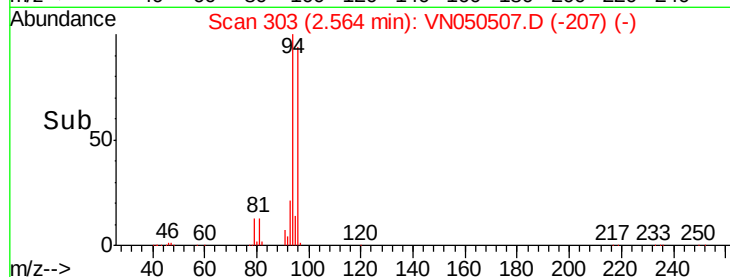
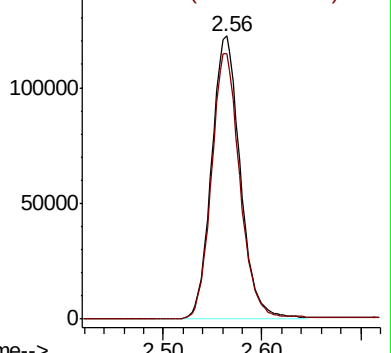
94 100

96 93.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.16 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050507.D

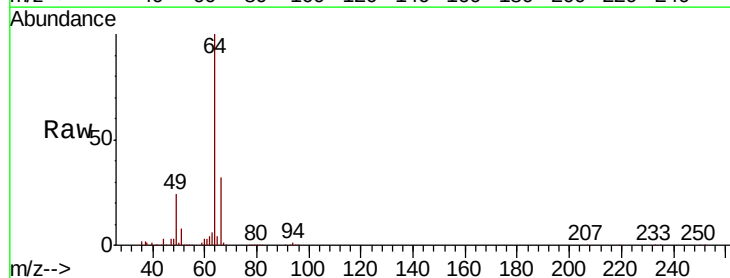
Acq: 10 Aug 2018 10:36

Tgt Ion: 64 Resp: 282122

Ion Ratio Lower Upper

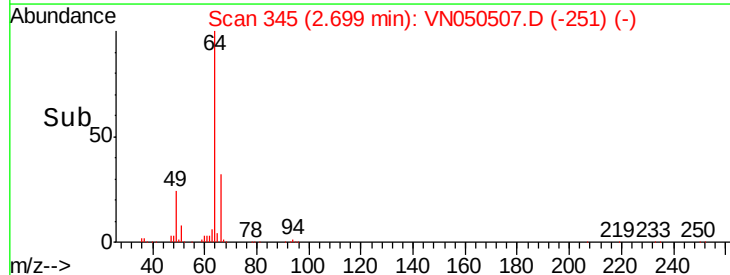
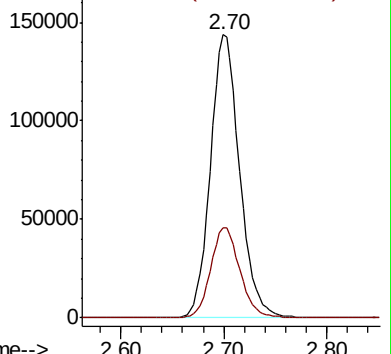
64 100

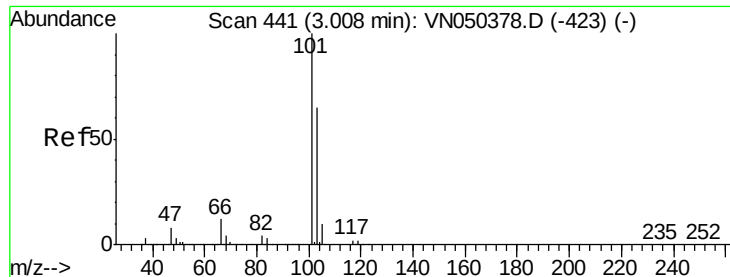
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



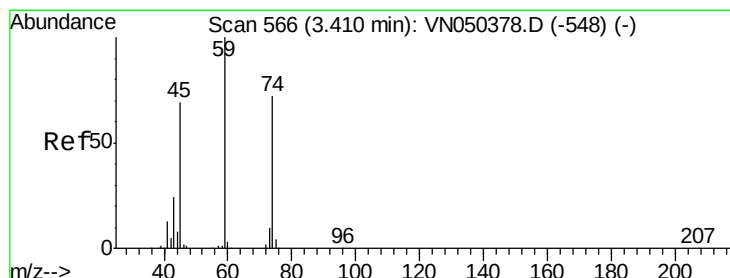
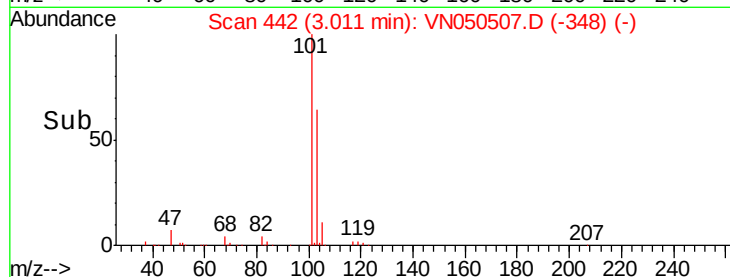
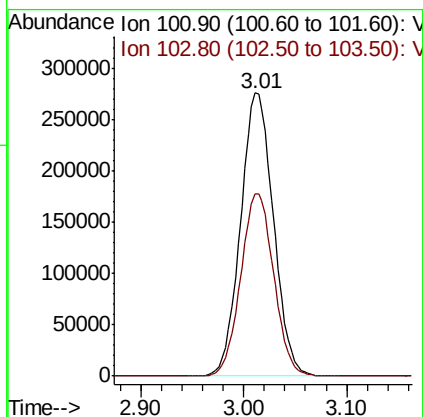
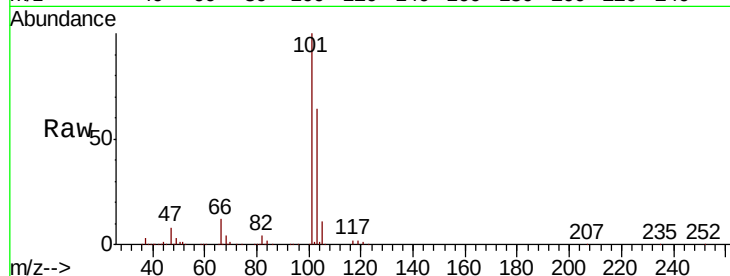


#7

Trichlorofluoromethane
 Concen: 46.67 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

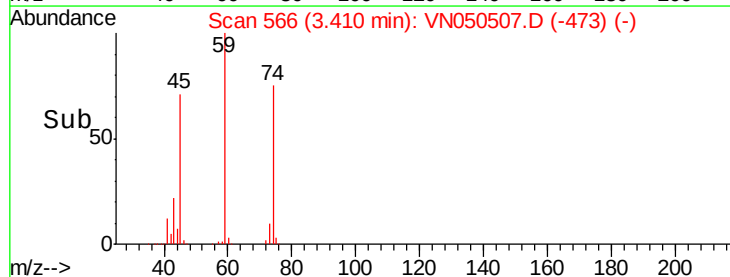
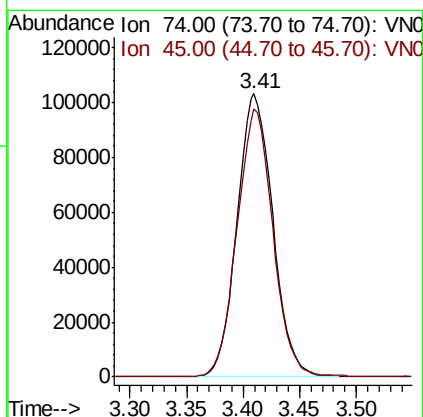
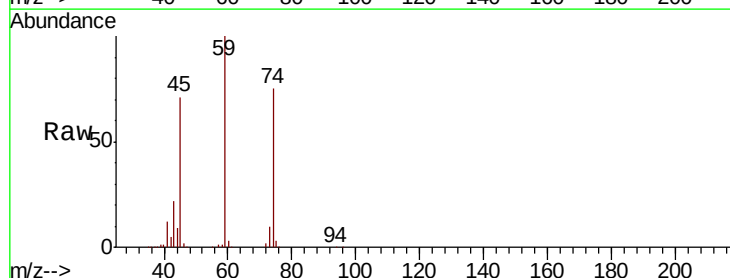
Tot Ion:101 Resp: 611052
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.7 77.5

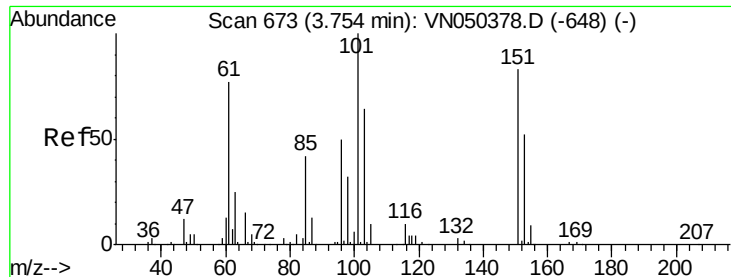


#8

Diethyl Ether
 Concen: 47.42 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 74 Resp: 227703
 Ion Ratio Lower Upper
 74 100
 45 94.2 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.19 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

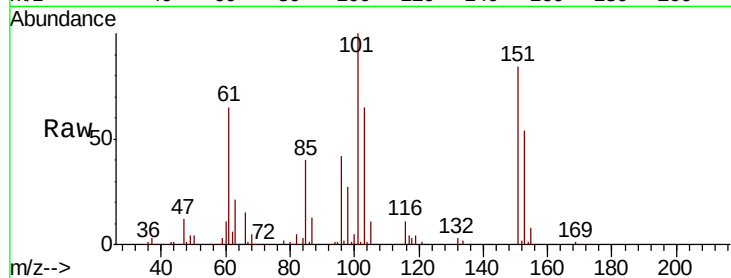
Tot Ion:101 Resp: 389922

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

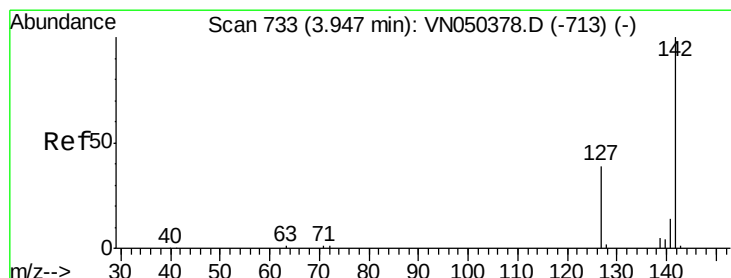
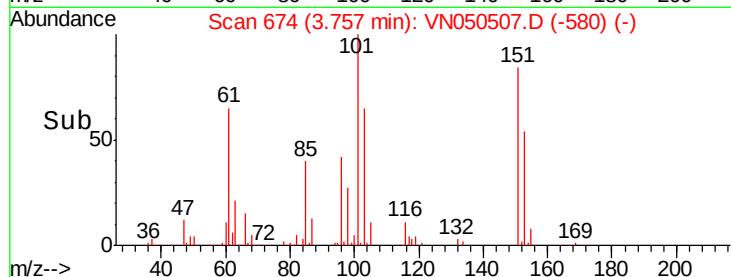
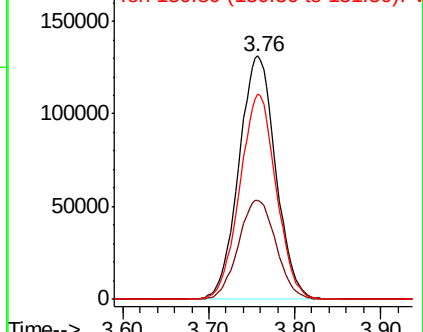
151 83.3 66.3 99.5



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: 58.01 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

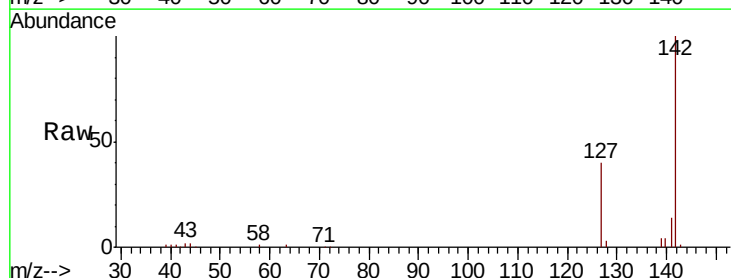
Tgt Ion:142 Resp: 206806

Ion Ratio Lower Upper

142 100

127 40.9 33.4 50.2

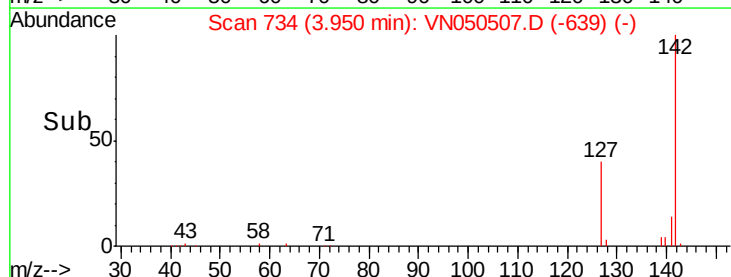
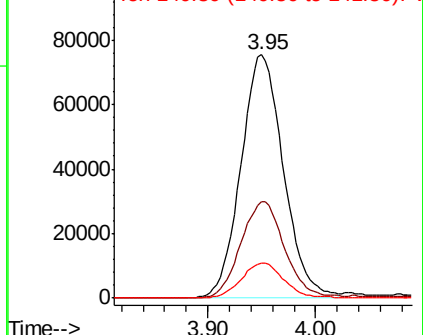
141 14.6 11.6 17.4

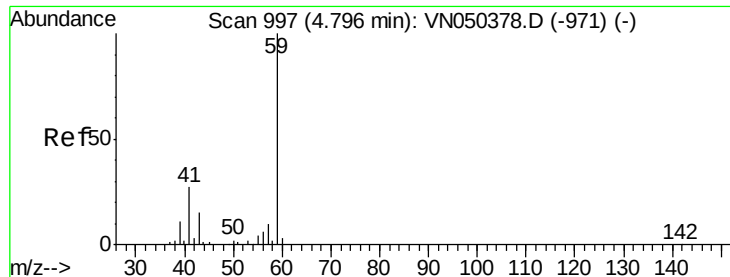


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

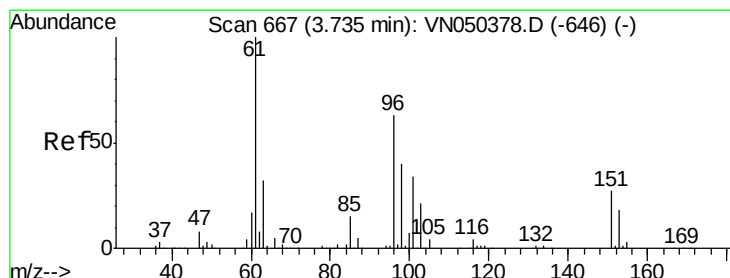
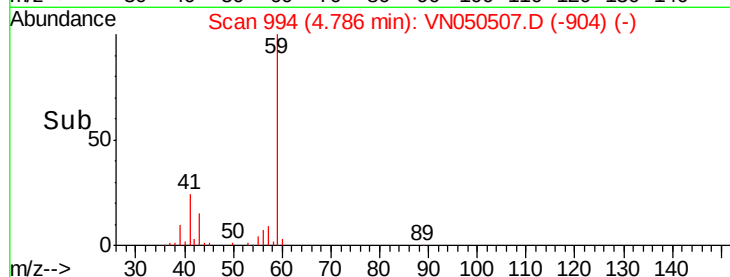
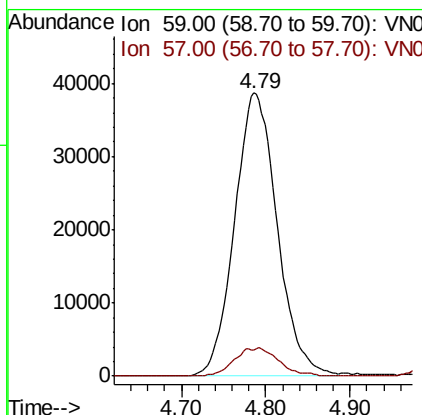
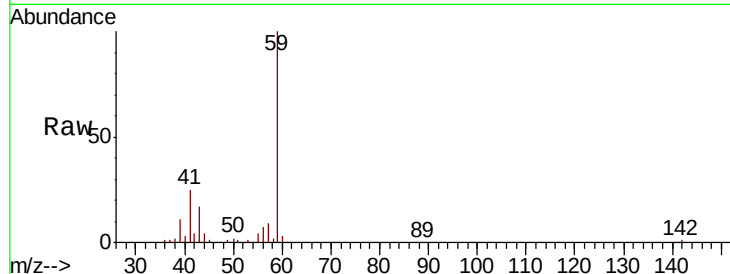




#11
Tert butyl alcohol
Concen: 179.47 ug/l
RT: 4.79 min Scan# 994
Delta R.T. -0.01 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

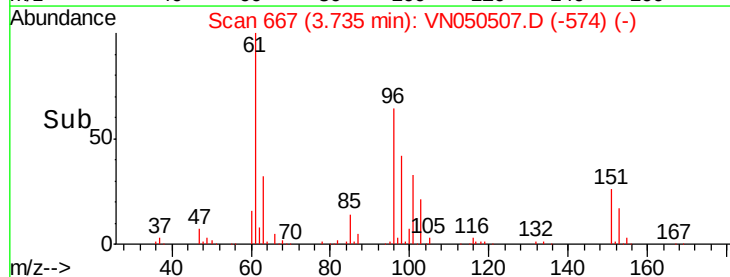
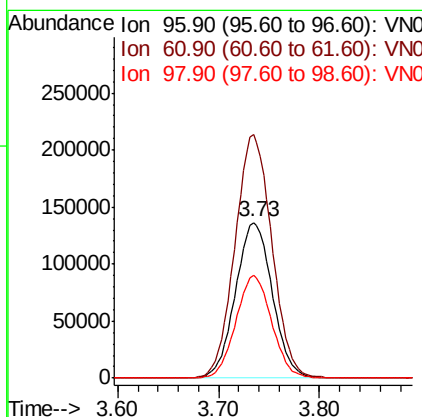
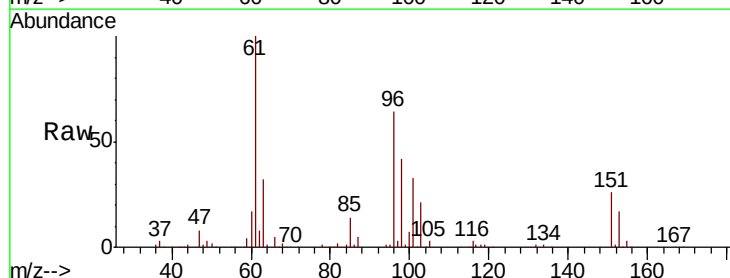
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

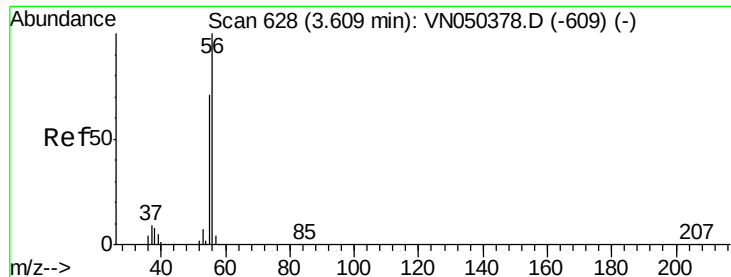
Tot Ion: 59 Resp: 135915
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 45.33 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 96 Resp: 345818
Ion Ratio Lower Upper
96 100
61 156.8 124.4 186.6
98 66.0 48.3 72.5





#13

Acrolein

Concen: 118.24 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

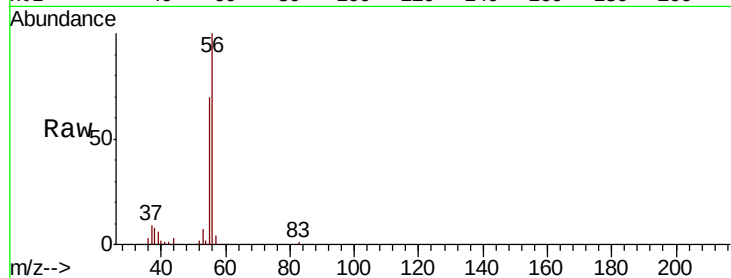
VSTDCCC050

Tot Ion: 56 Resp: 108207

Ion Ratio Lower Upper

56 100

55 73.0 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN050378.D (-609) (-)

Ion 55.00 (54.70 to 55.70): VN050378.D (-609) (-)

3.61

40000

30000

20000

10000

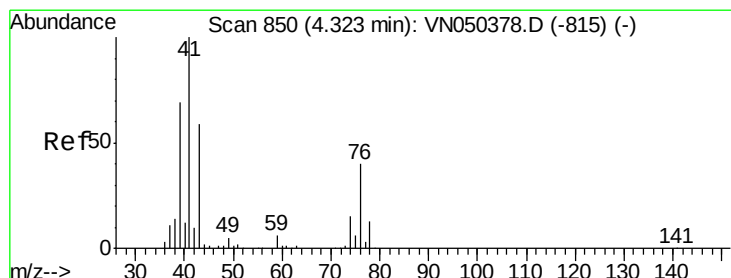
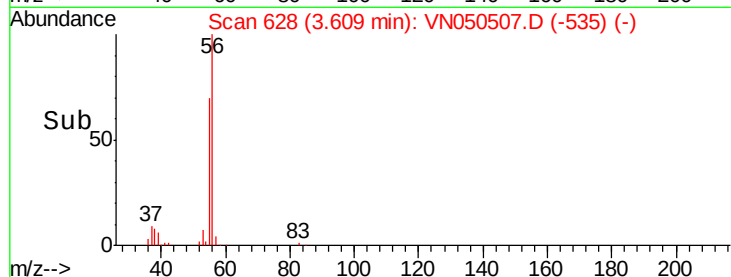
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 45.92 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

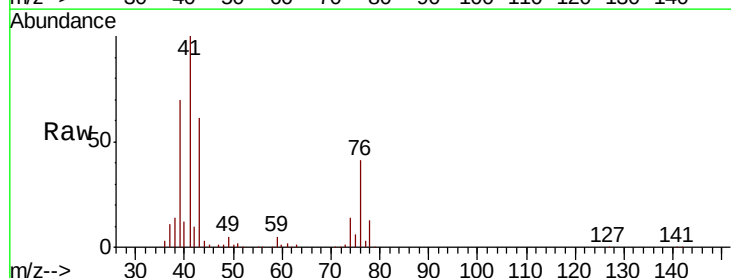
Tgt Ion: 41 Resp: 562563

Ion Ratio Lower Upper

41 100

39 66.2 54.2 81.4

76 38.1 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN050378.D (-815) (-)

Ion 39.00 (38.70 to 39.70): VN050378.D (-815) (-)

Ion 75.90 (75.60 to 76.60): VN050378.D (-815) (-)

250000

200000

150000

100000

50000

0

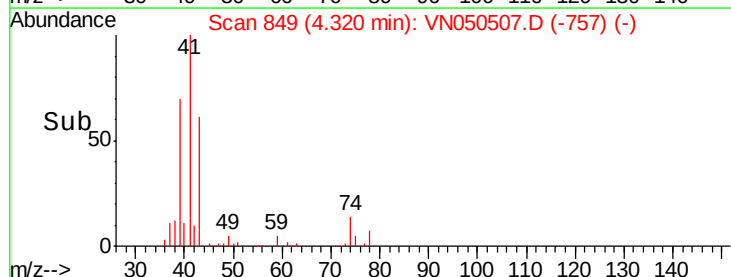
Time-->

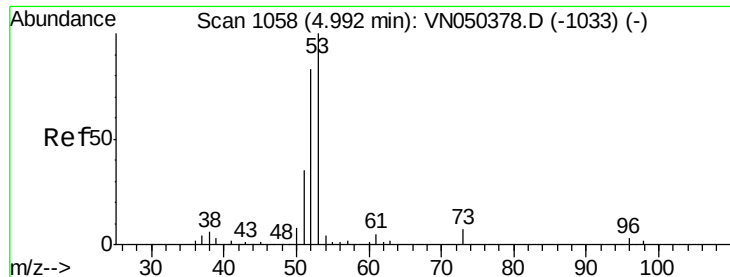
4.10

4.20

4.30

4.40



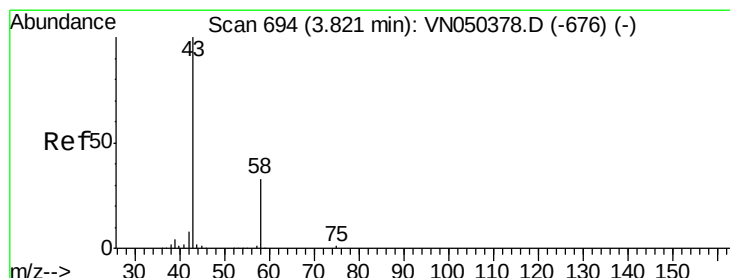
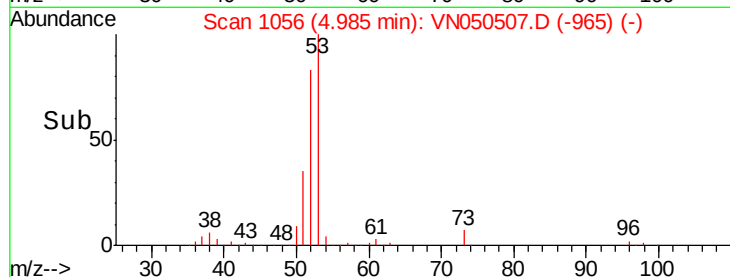
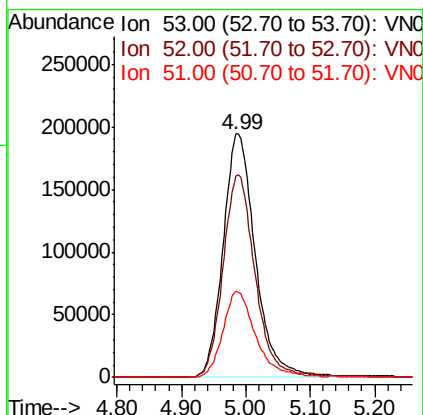
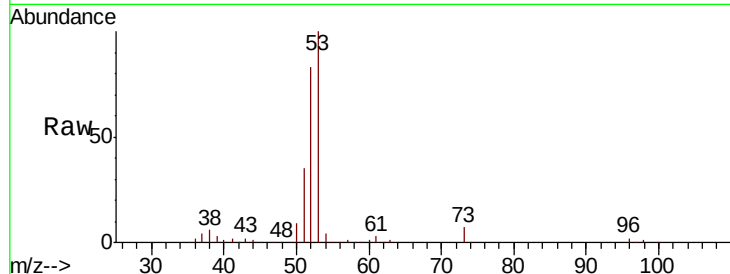


#15
 Acrylonitrile
 Concen: 213.35 ug/l
 RT: 4.99 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 676798

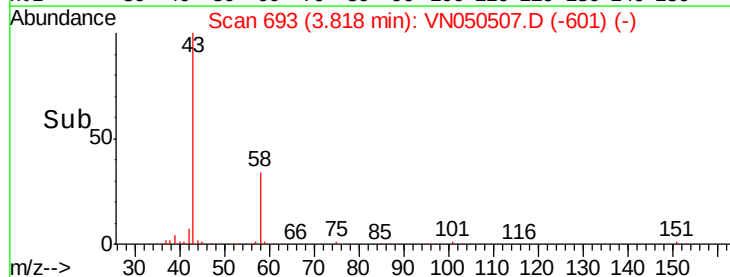
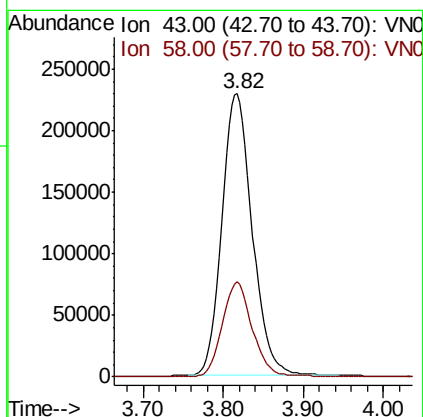
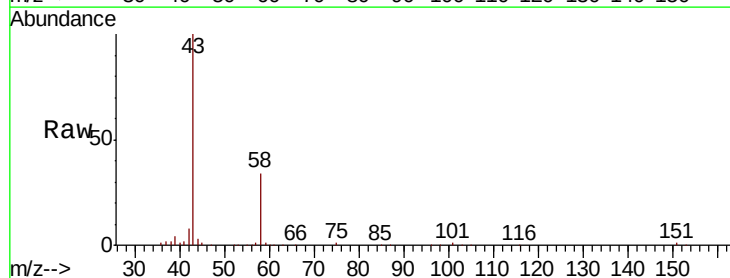
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.1	29.3	43.9

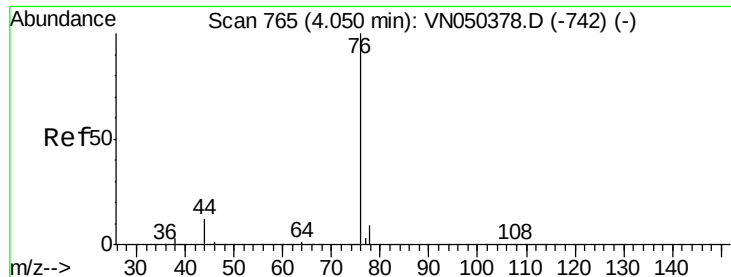


#16
 Acetone
 Concen: 211.74 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 43 Resp: 595444

Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.8	38.8





#17

Carbon Disulfide

Concen: 41.00 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

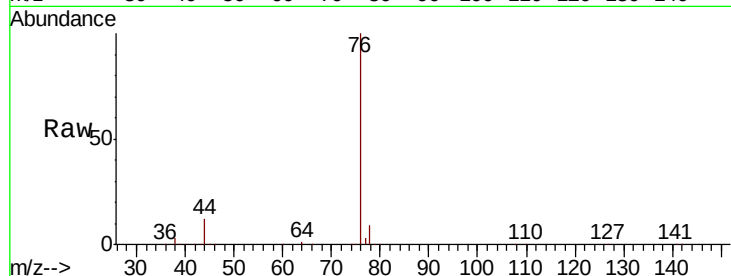
VSTDCCC050

Tot Ion: 76 Resp: 1016993

Ion Ratio Lower Upper

76 100

78 9.1 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

400000

300000

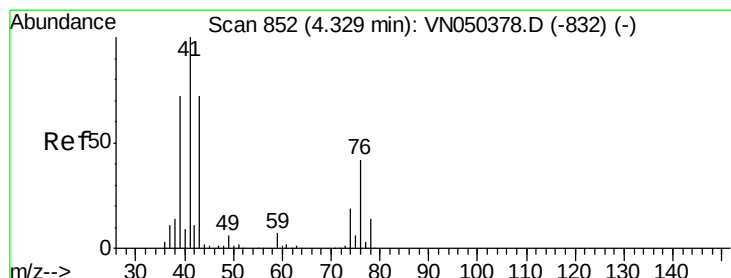
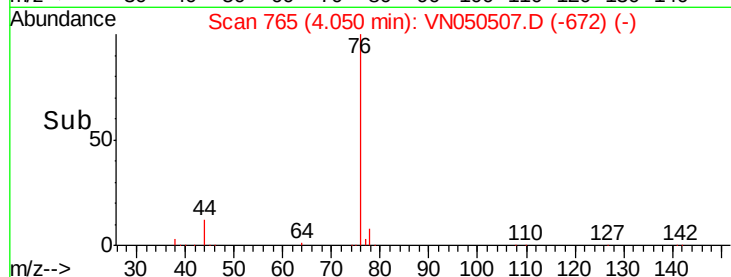
200000

100000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 45.70 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.01 min

Lab File: VN050507.D

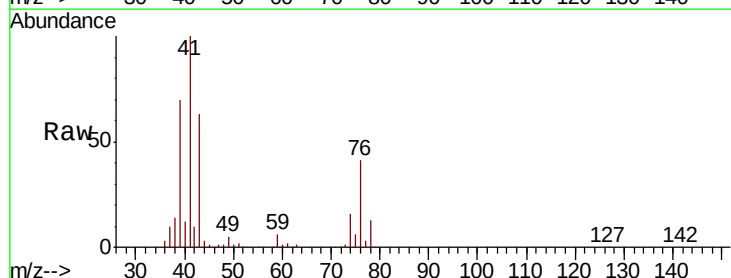
Acq: 10 Aug 2018 10:36

Tgt Ion: 43 Resp: 333956

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

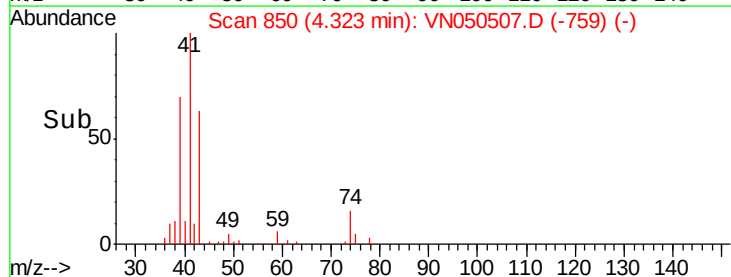
100000

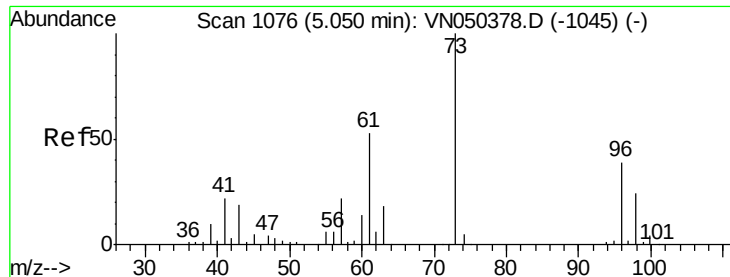
50000

0

Time-->

4.20 4.30 4.40





#19

Methyl tert-butyl Ether

Concen: 48.62 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

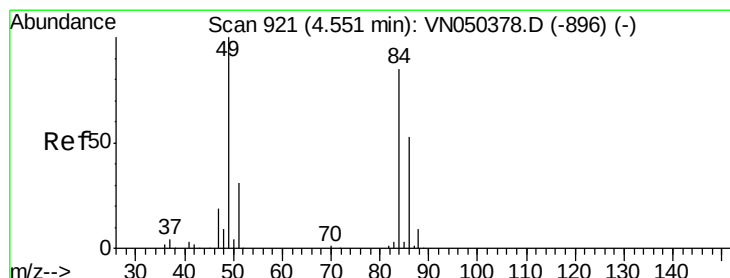
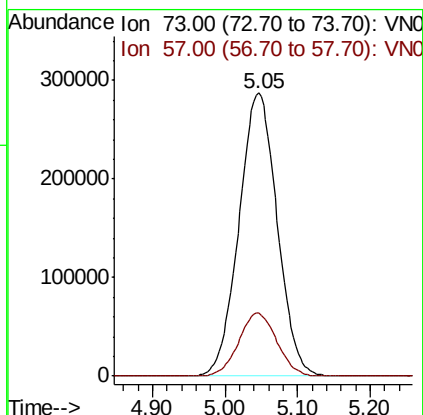
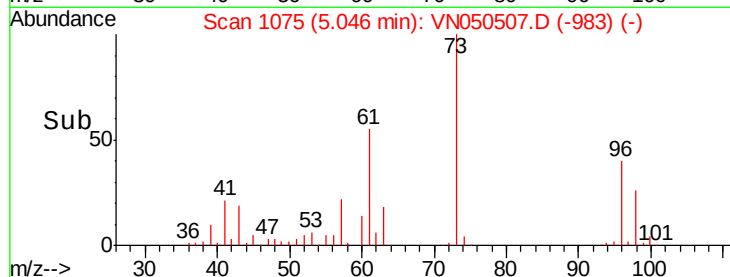
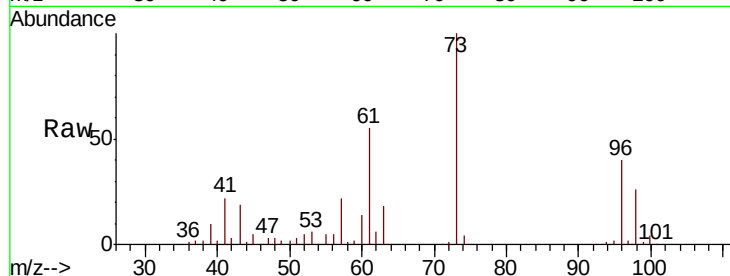
VSTDCCC050

Tot Ion: 73 Resp: 1052588

Ion Ratio Lower Upper

73 100

57 22.2 18.0 27.0



#20

Methylene Chloride

Concen: 48.55 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 84 Resp: 417797

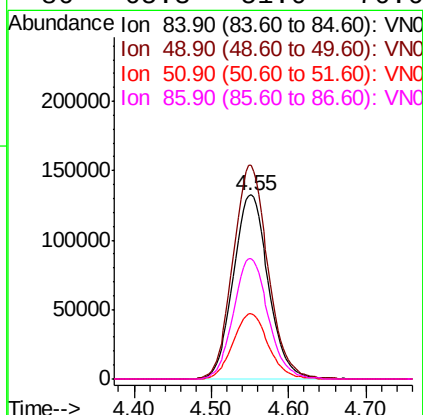
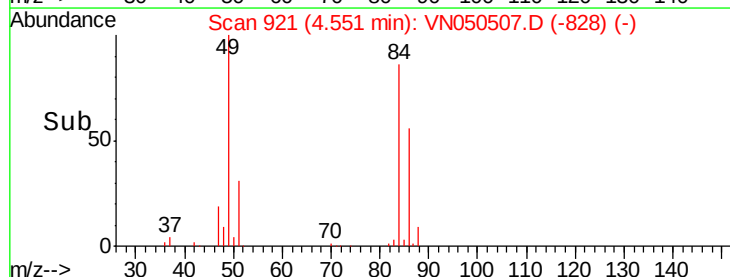
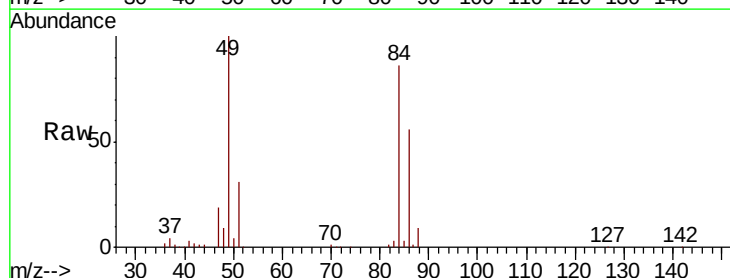
Ion Ratio Lower Upper

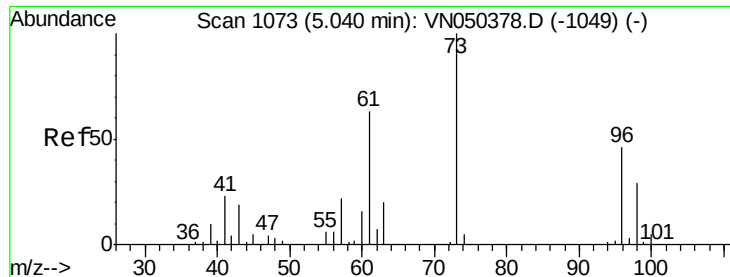
84 100

49 115.8 94.8 142.2

51 35.5 28.3 42.5

86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.65 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

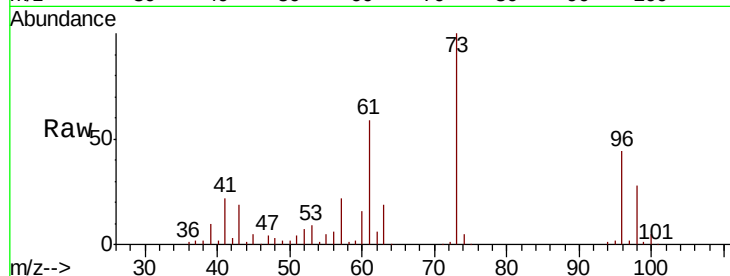
Tot Ion: 96 Resp: 385073

Ion Ratio Lower Upper

96 100

61 136.0 110.7 166.1

98 63.5 51.6 77.4

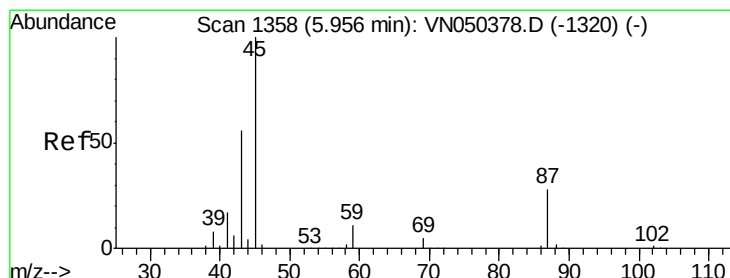
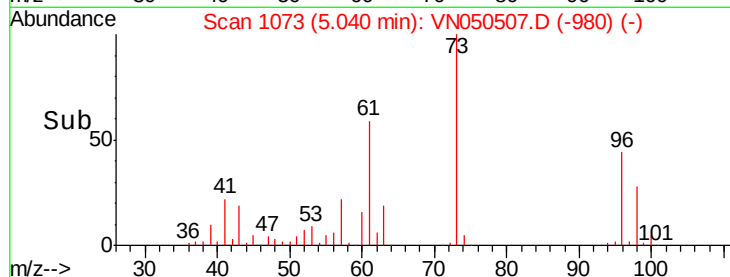
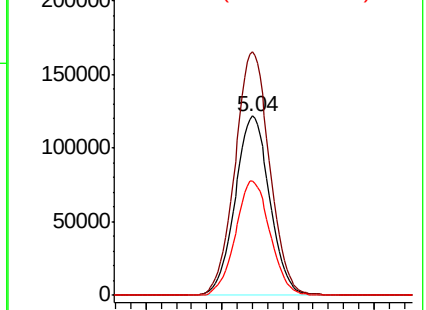


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.29 ug/l

RT: 5.95 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 45 Resp: 1258568

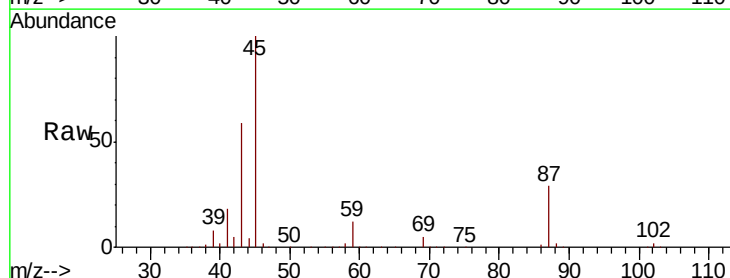
Ion Ratio Lower Upper

45 100

43 58.8 45.7 68.5

87 28.9 22.7 34.1

59 12.2 9.5 14.3



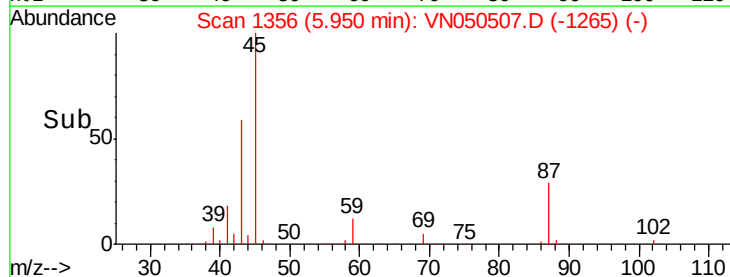
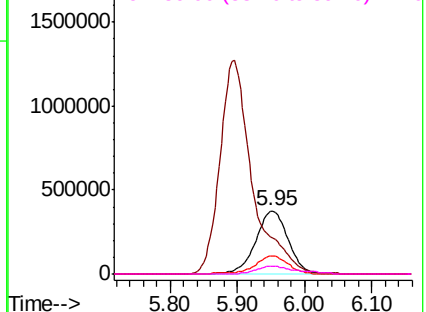
Abundance

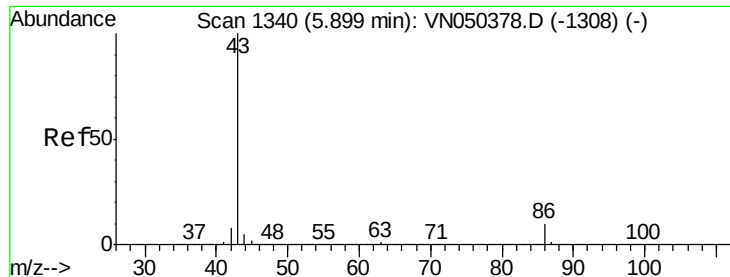
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 239.72 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

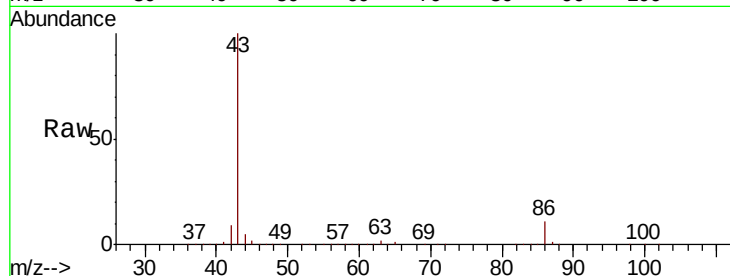
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4280275

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

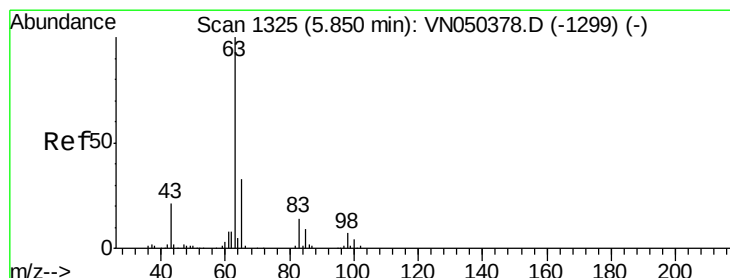
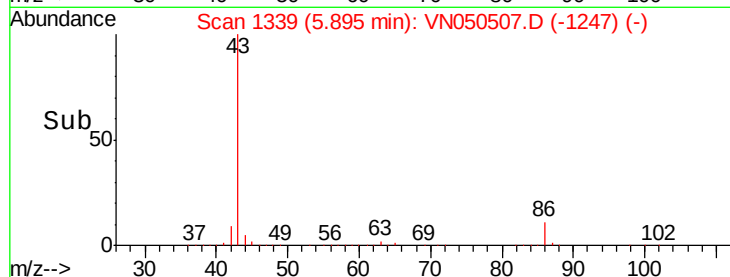
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 47.63 ug/l

RT: 5.85 min Scan# 1324

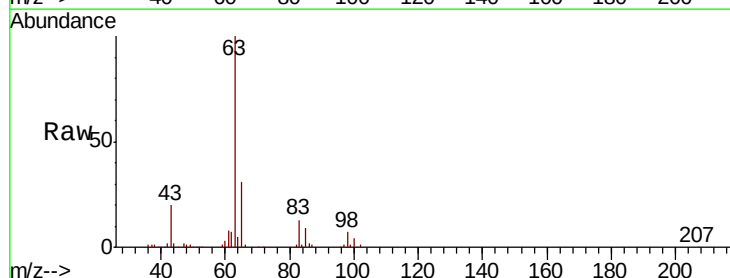
Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 63 Resp: 731439

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.8
100	4.2	2.1	6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

300000

250000

200000

150000

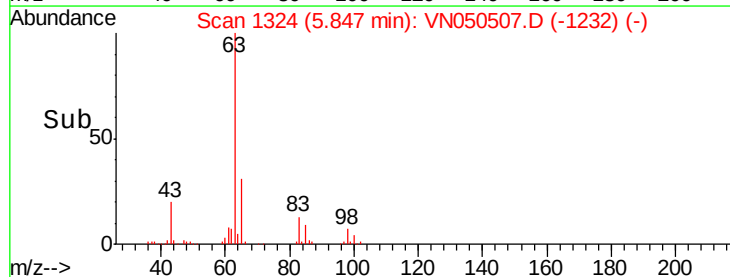
100000

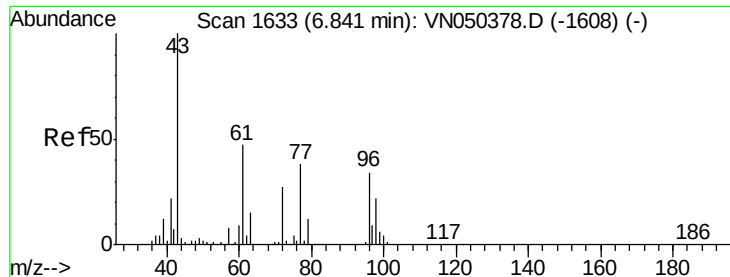
50000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 215.69 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

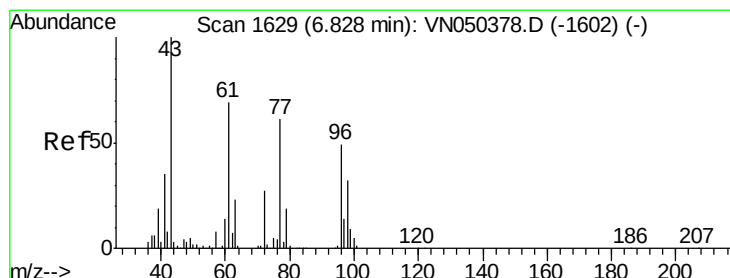
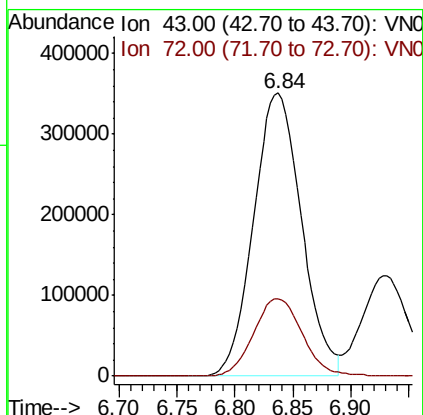
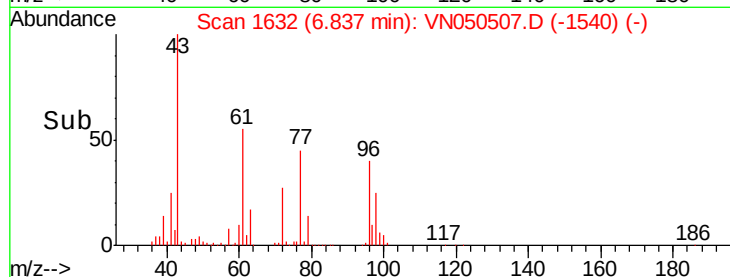
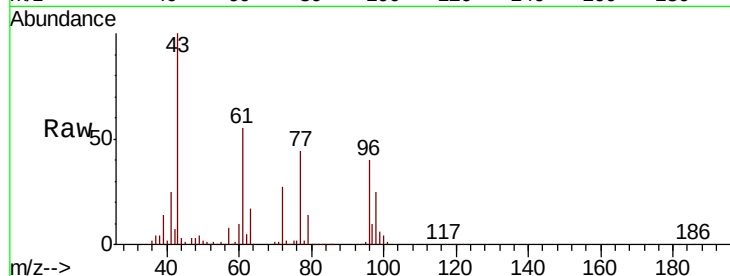
VSTDCCC050

Tot Ion: 43 Resp: 1007618

Ion Ratio Lower Upper

43 100

72 27.4 21.5 32.3



#26

2,2-Dichloropropane

Concen: 47.25 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050507.D

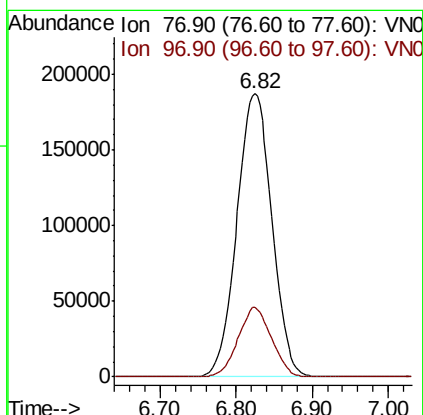
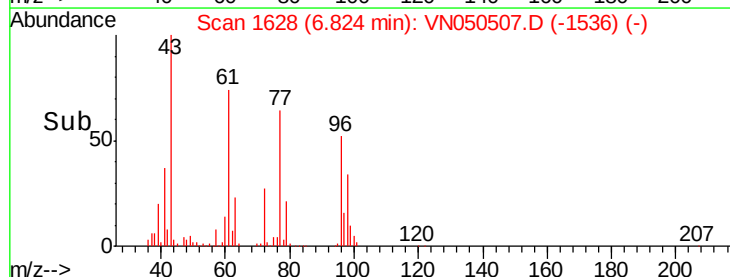
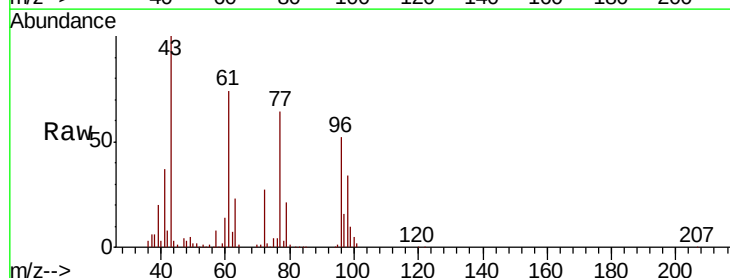
Acq: 10 Aug 2018 10:36

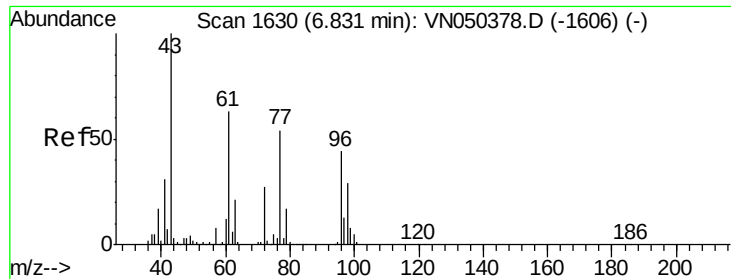
Tgt Ion: 77 Resp: 598151

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3

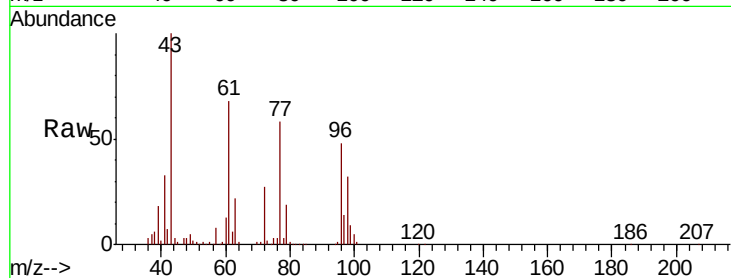




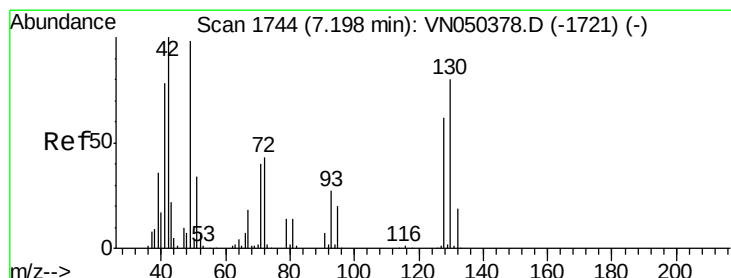
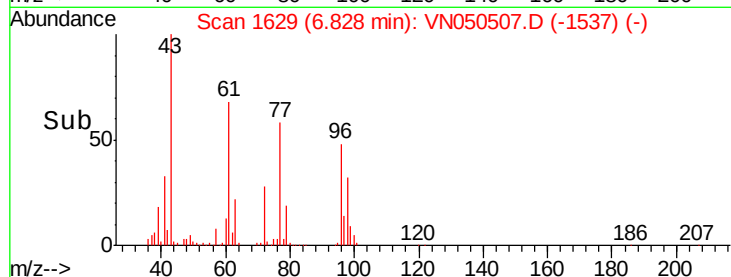
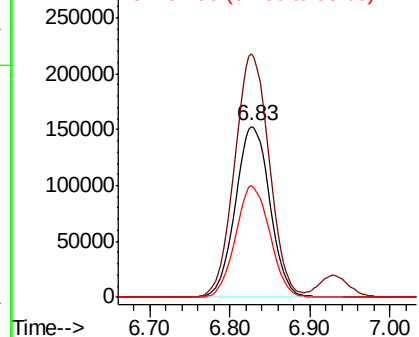
#27
 cis-1,2-Dichloroethene
 Concen: 48.85 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 446931
 Ion Ratio Lower Upper
 96 100
 61 143.2 0.0 285.0
 98 65.0 0.0 129.2

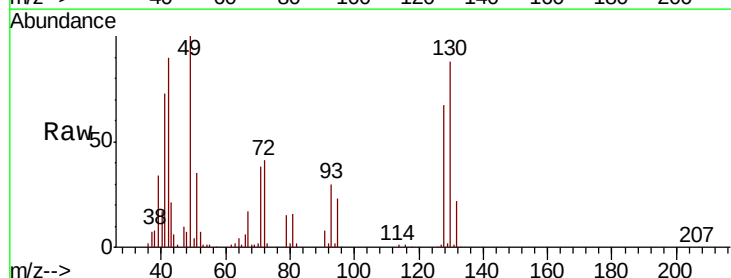


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

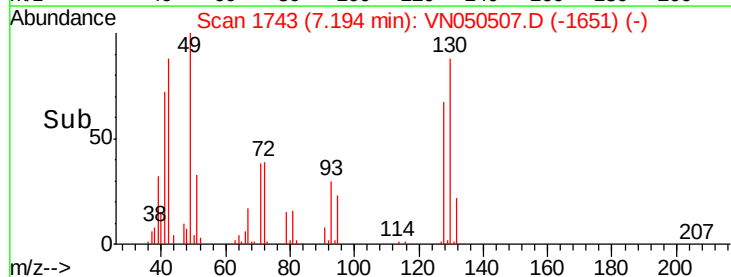
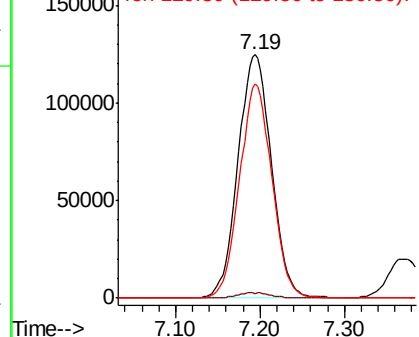


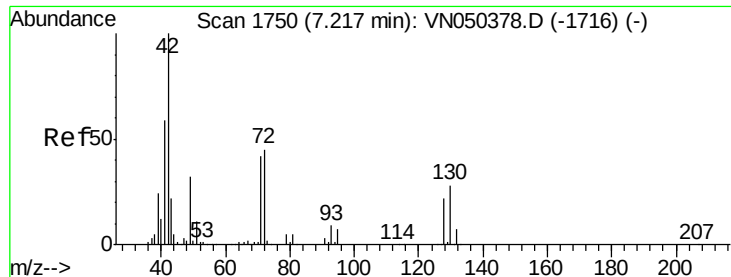
#28
 Bromochloromethane
 Concen: 48.64 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 49 Resp: 343788
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 85.5 66.3 99.5



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

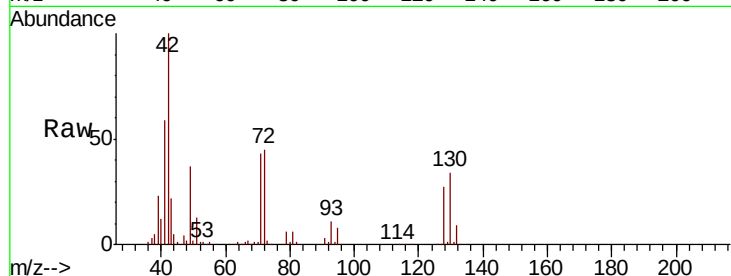




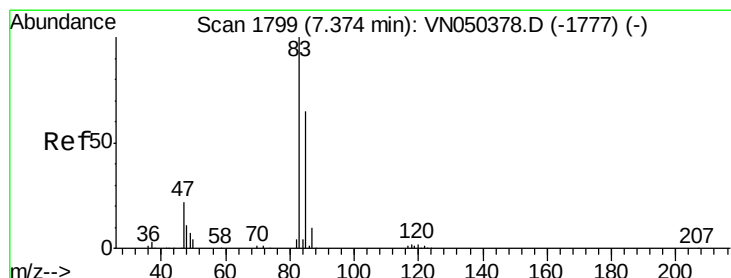
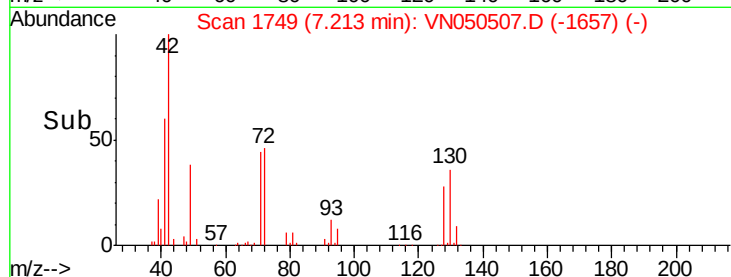
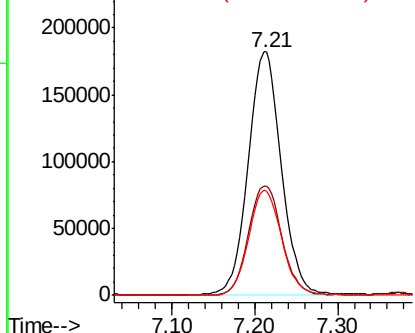
#29
Tetrahydrofuran
Concen: 201.71 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 504378
Ion Ratio Lower Upper
42 100
72 45.2 35.9 53.9
71 43.1 33.7 50.5

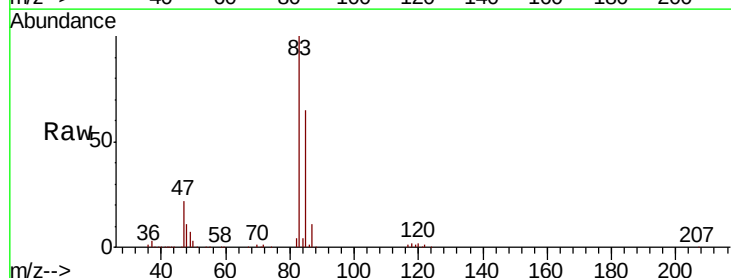


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

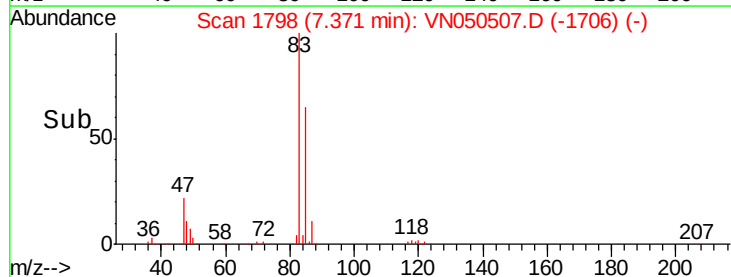
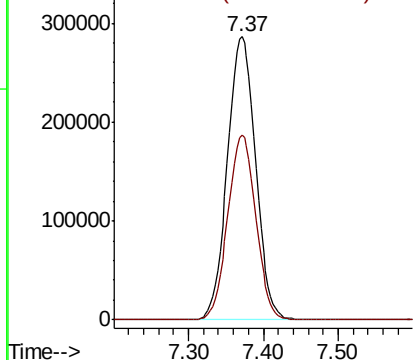


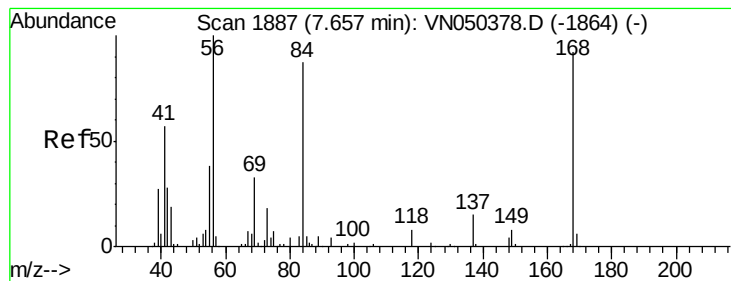
#30
Chloroform
Concen: 48.92 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 83 Resp: 750959
Ion Ratio Lower Upper
83 100
85 65.5 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.89 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

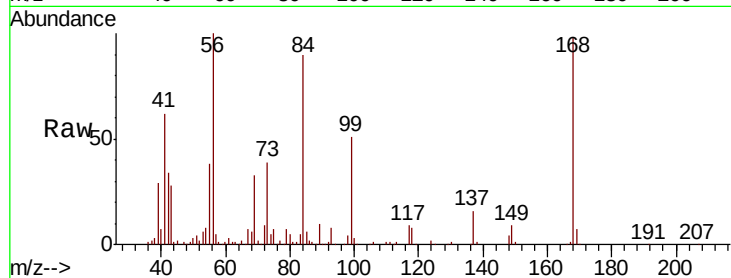
Tot Ion: 56 Resp: 620824

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

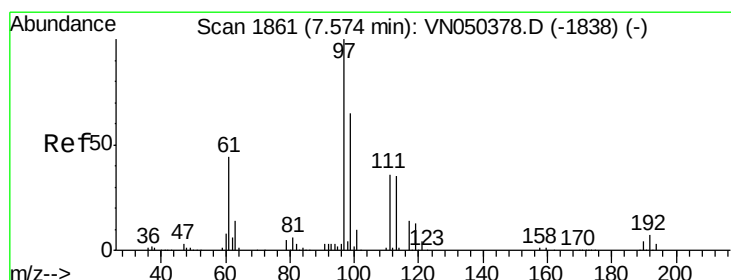
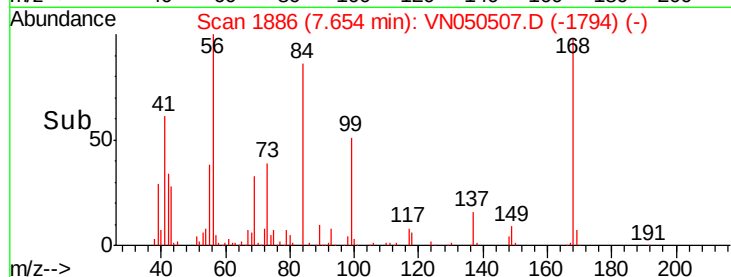
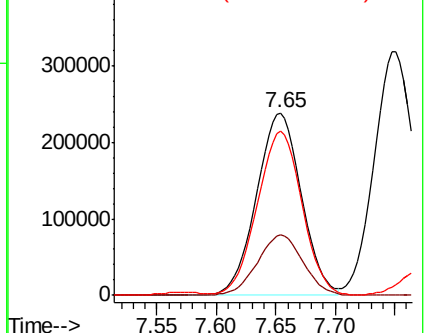
84 88.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050378.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN050378.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN050378.D (-1864) (-)



#32

1,1,1-Trichloroethane

Concen: 47.34 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

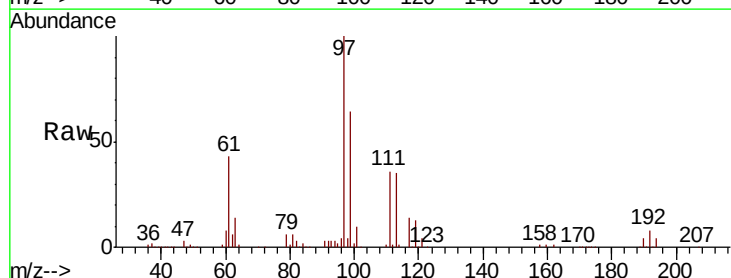
Tgt Ion: 97 Resp: 624039

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

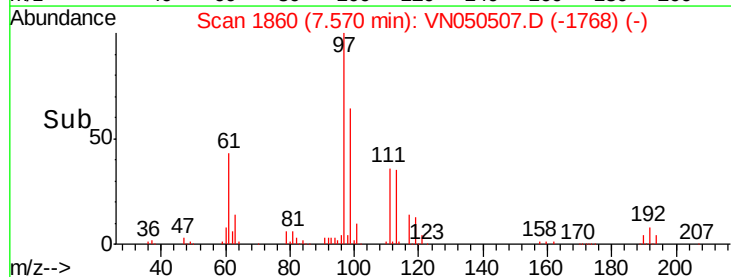
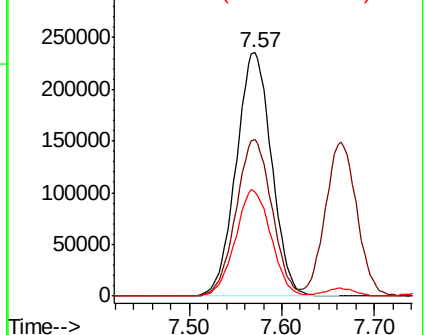
61 43.9 35.4 53.0

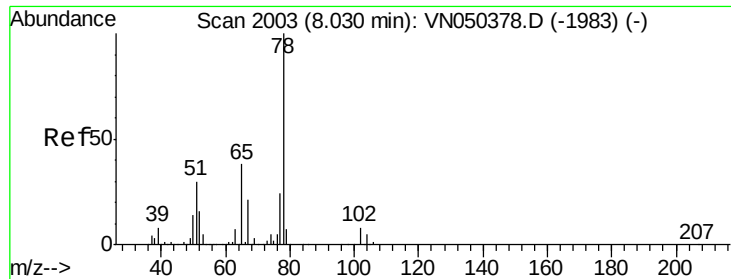


Abundance Ion 96.90 (96.60 to 97.60): VN050378.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050378.D (-1838) (-)

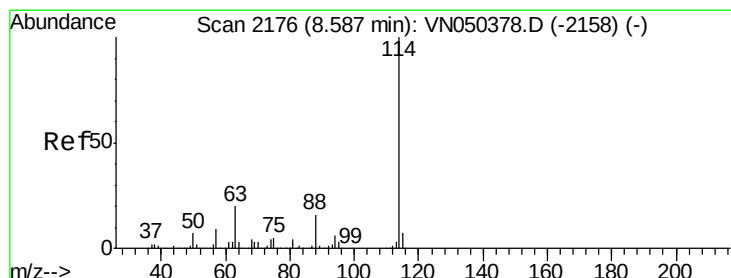
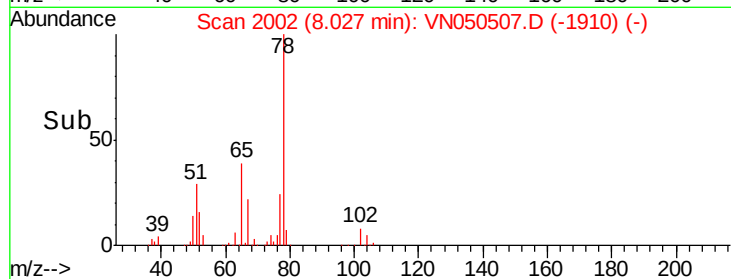
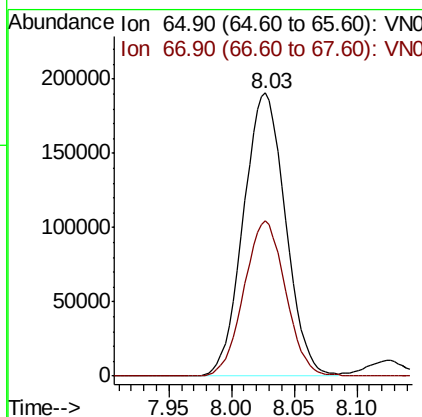
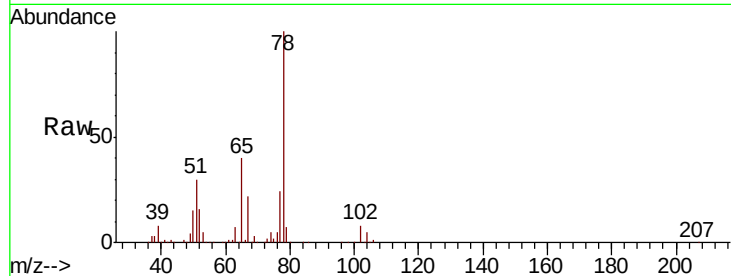




#33
 1,2-Dichloroethane-d4
 Concen: 47.32 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

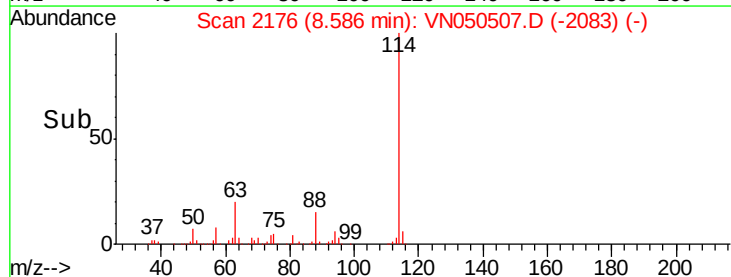
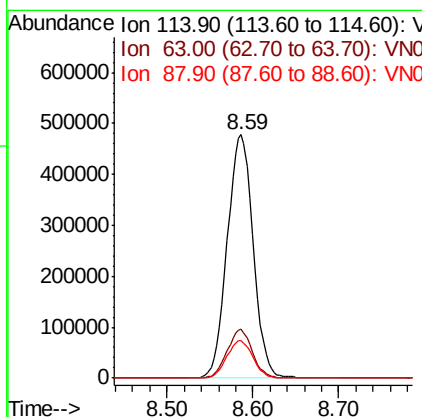
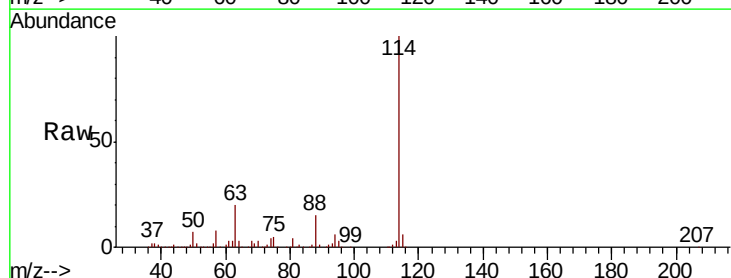
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

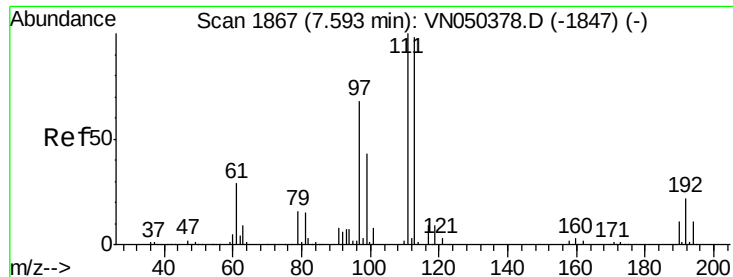
Tot Ion: 65 Resp: 446123
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 114 Resp: 1000018
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.5 0.0 31.2

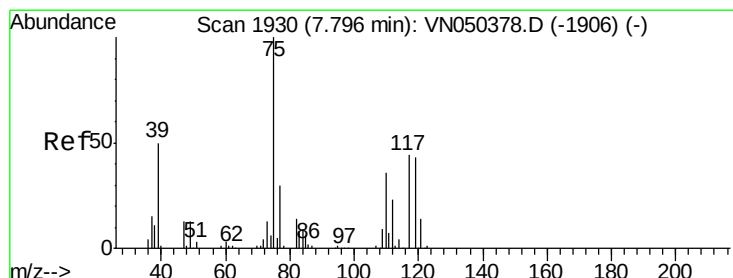
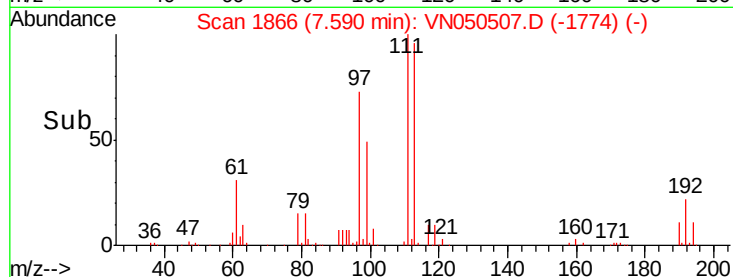
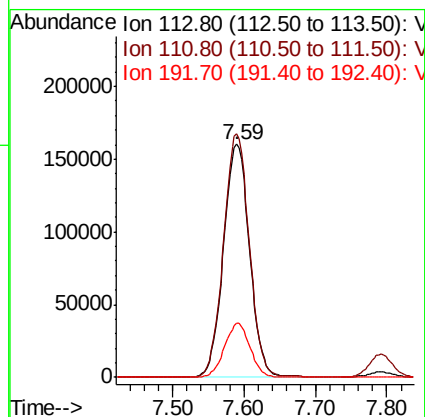
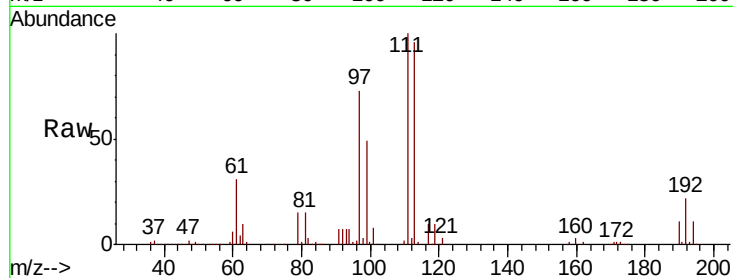




#35
 Dibromofluoromethane
 Concen: 50.82 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

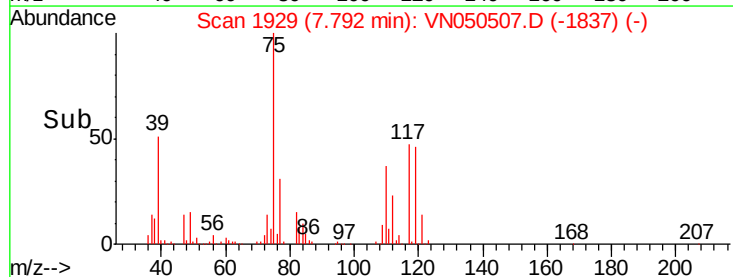
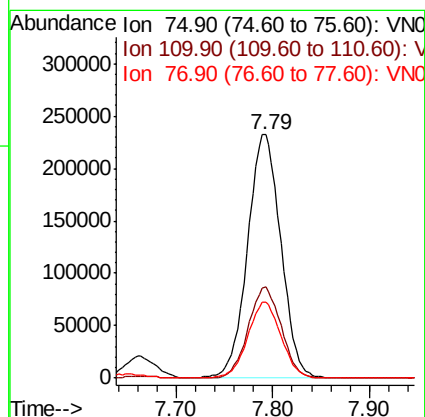
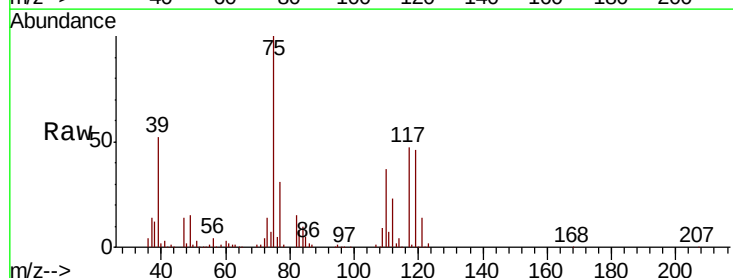
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

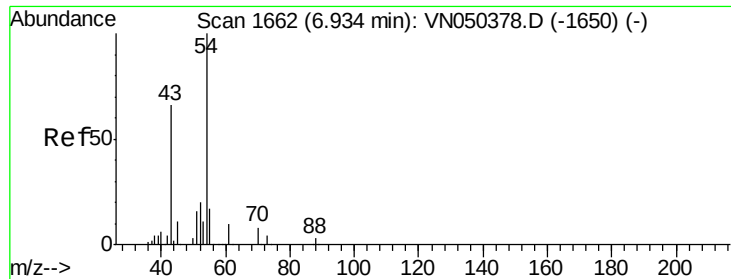
Tot Ion:113 Resp: 407792
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 22.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 50.41 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 75 Resp: 553930
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.4 55.2
 77 31.5 25.3 37.9

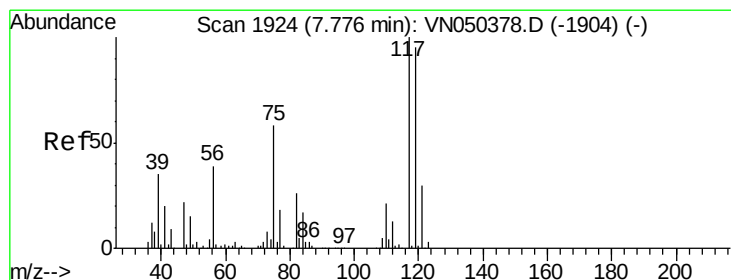
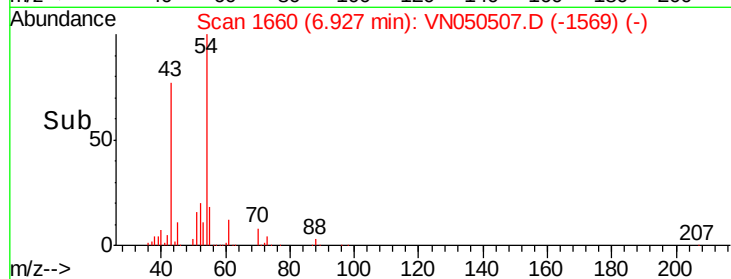
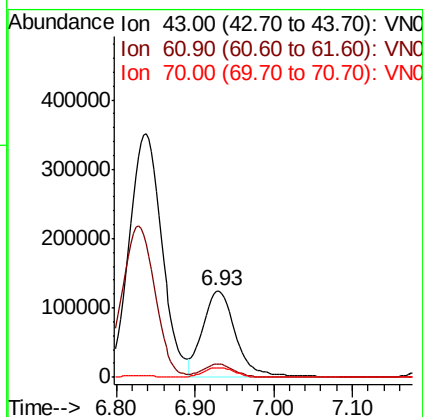
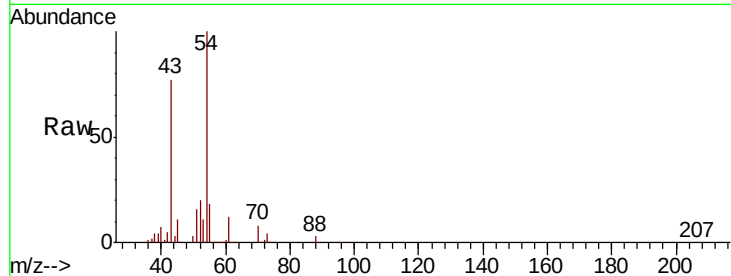




#37
Ethyl Acetate
Concen: 45.19 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

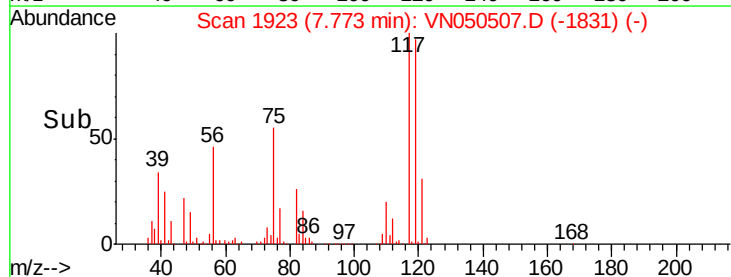
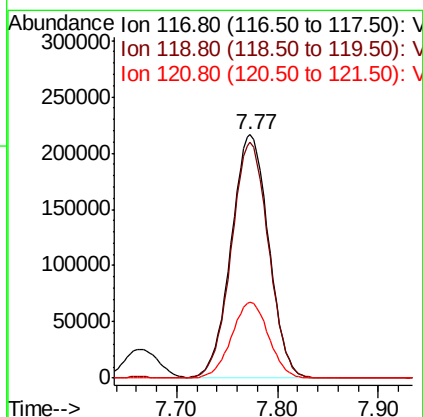
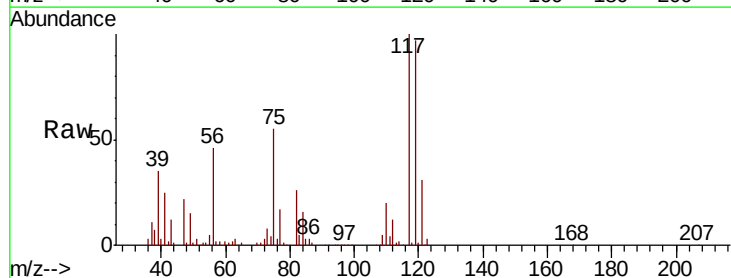
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

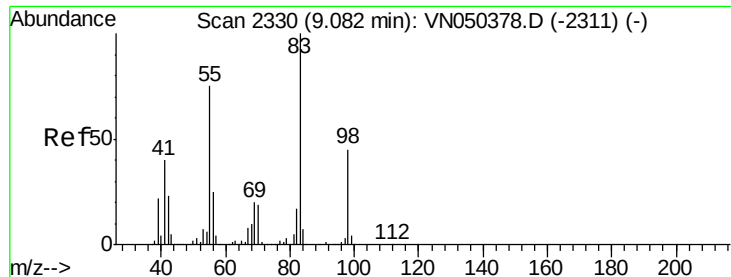
Tot Ion: 43 Resp: 357583
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.70 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 117 Resp: 558237
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 31.4 23.9 35.9

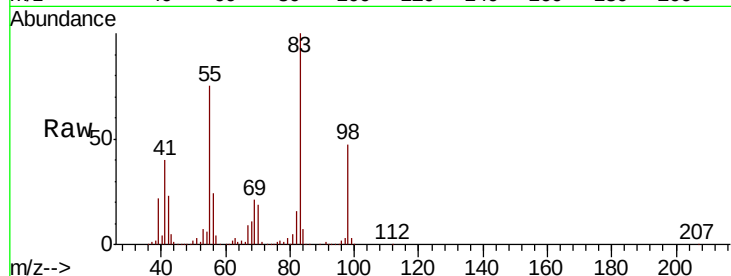




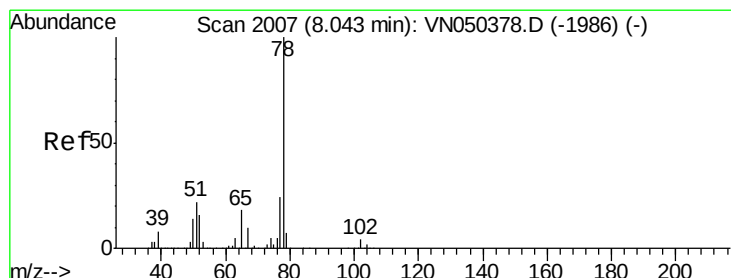
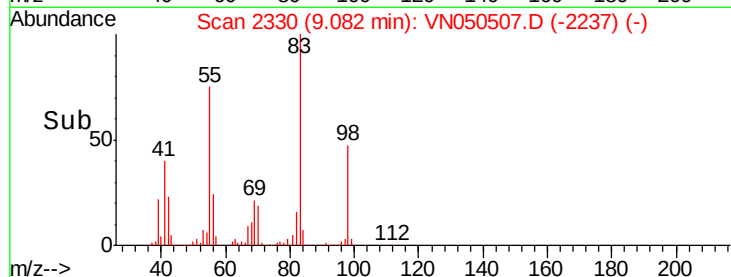
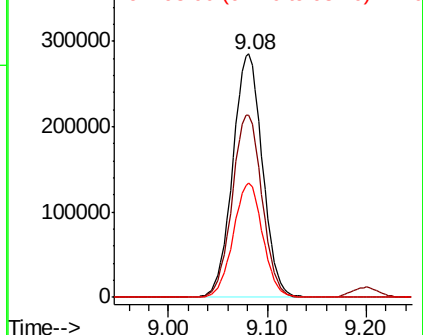
#39
Methylvlcyclohexane
Concen: 49.73 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 596467
Ion Ratio Lower Upper
83 100
55 75.0 61.8 92.8
98 47.2 36.5 54.7

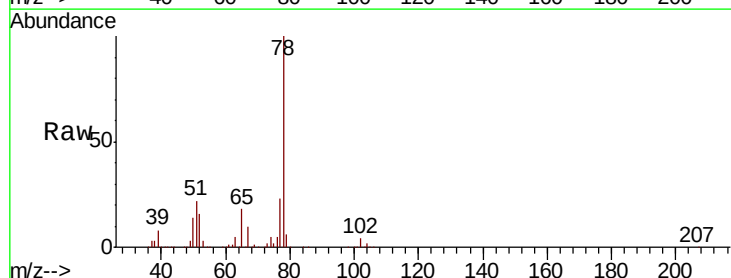


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

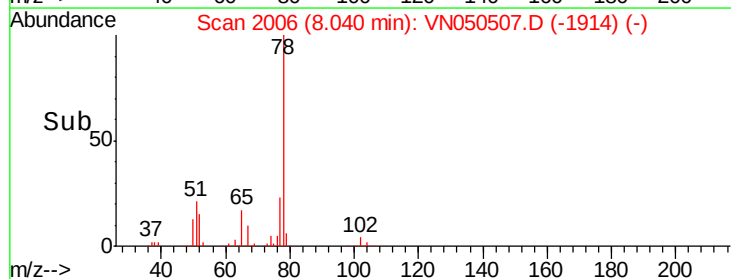
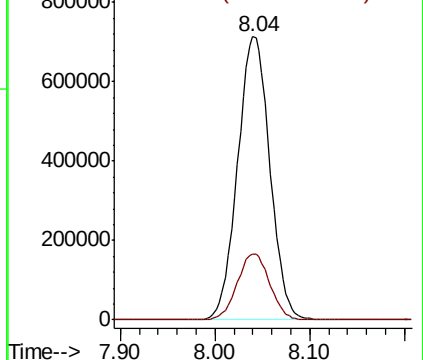


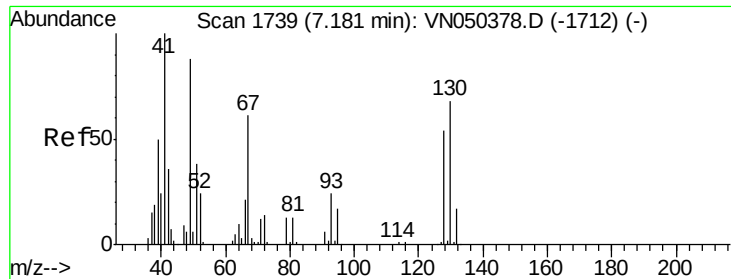
#40
Benzene
Concen: 50.02 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 78 Resp: 1689772
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



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

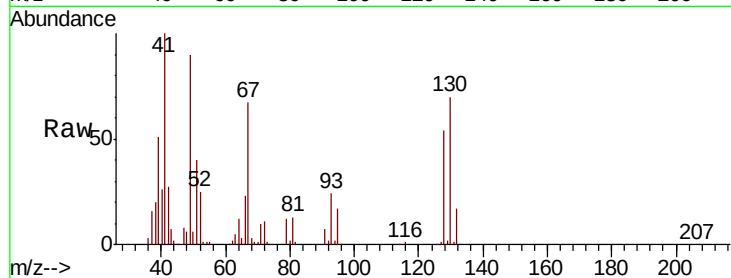




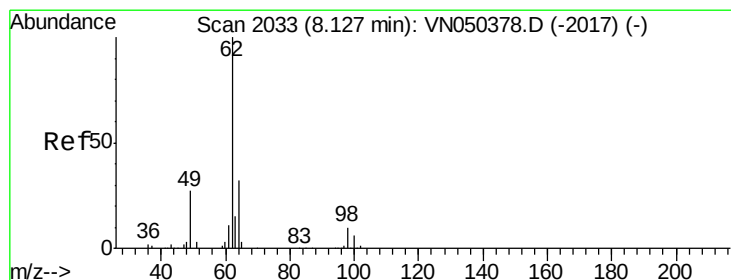
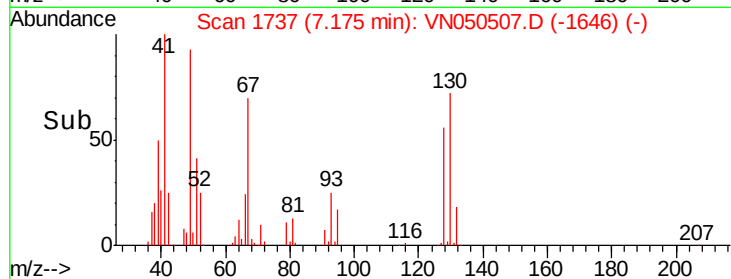
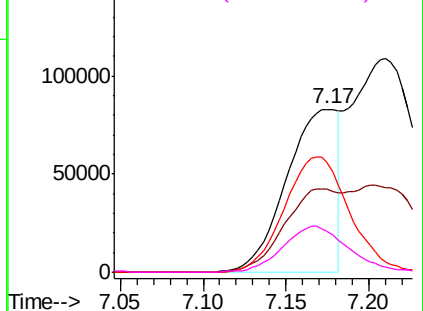
#41
Methacrylonitrile
Concen: 42.58 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 179171
Ion Ratio Lower Upper
41 100
39 56.7 55.8 83.6
67 89.9 84.3 126.5
52 35.6 34.2 51.2

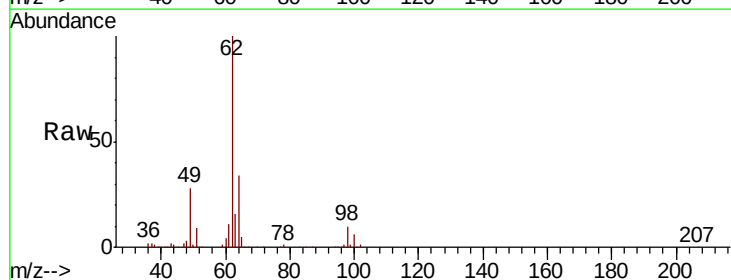


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

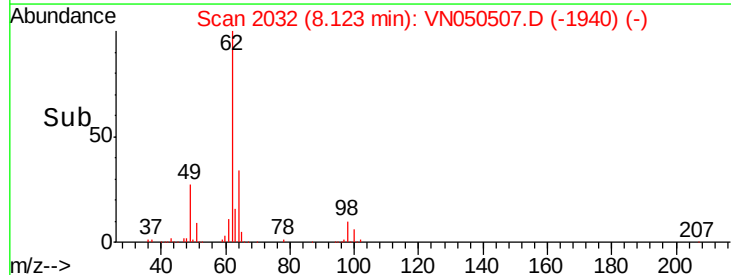
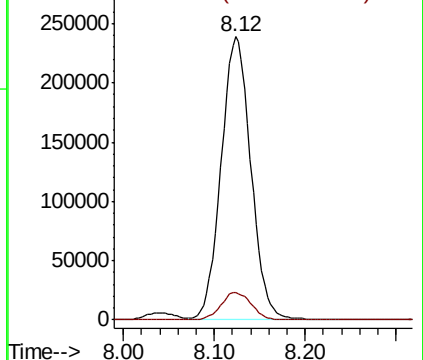


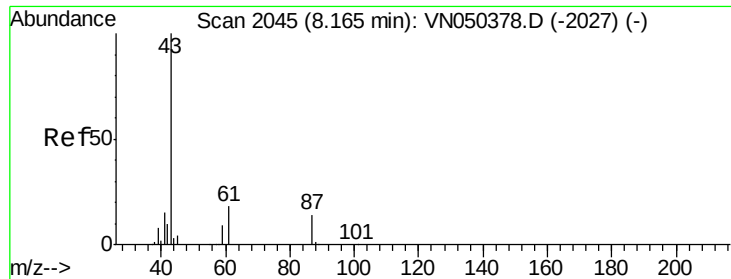
#42
1,2-Dichloroethane
Concen: 50.44 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 62 Resp: 540959
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 45.62 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

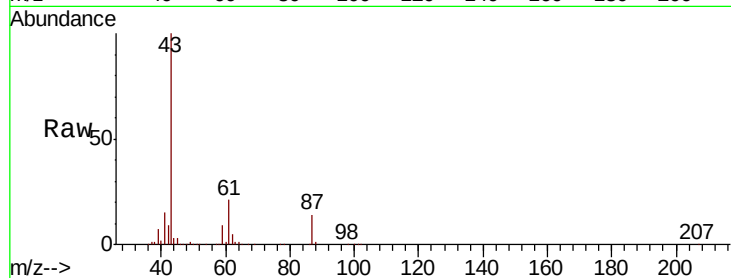
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 623199

Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.8	23.6#
87	14.2	10.3	15.5

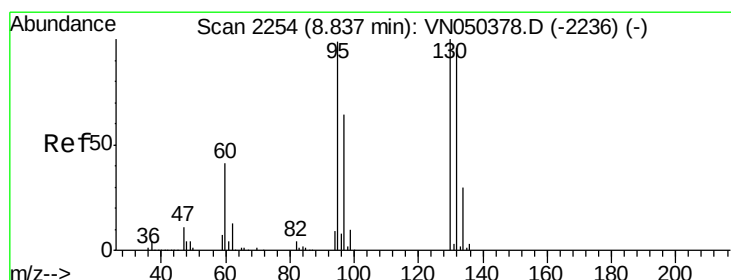
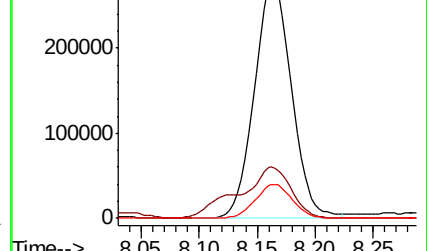
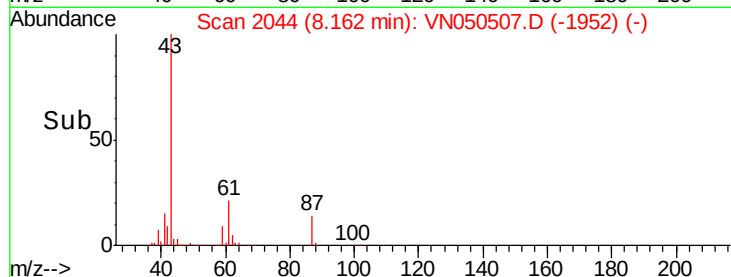


Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

Time-->



#44

Trichloroethene

Concen: 49.13 ug/l

RT: 8.83 min Scan# 2253

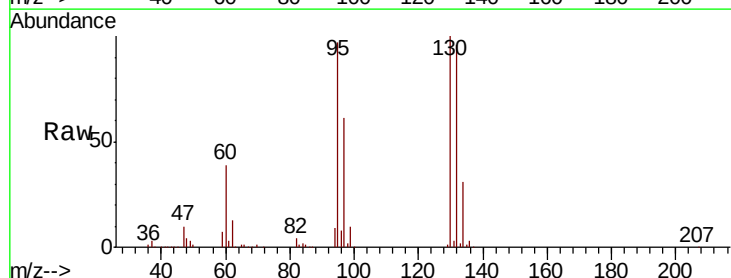
Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 130 Resp: 445923

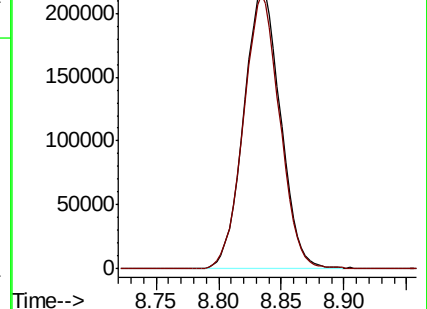
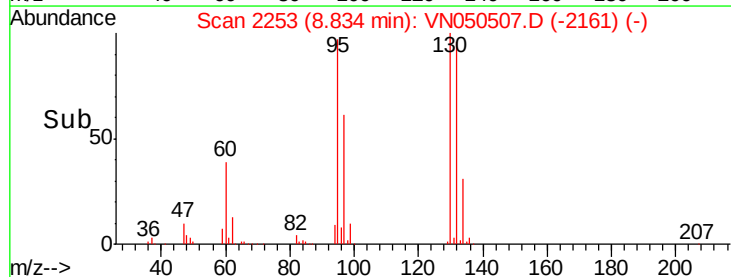
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.6

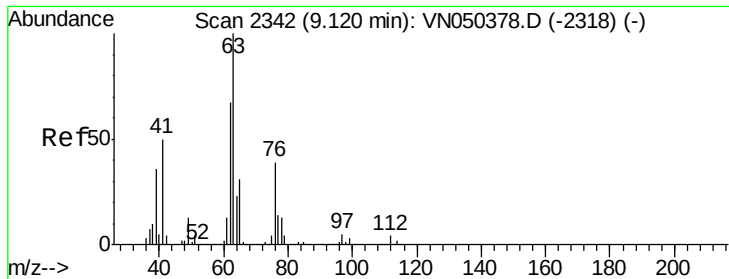


Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.80 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

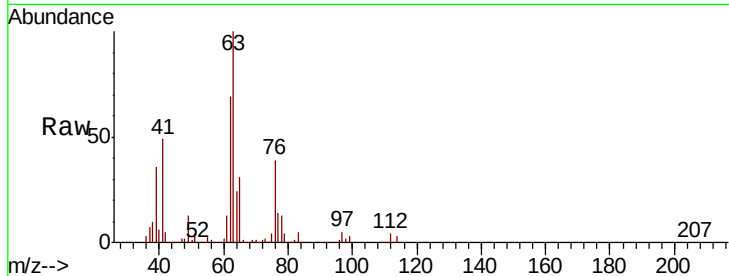
VSTDCCC050

Tot Ion: 63 Resp: 451149

Ion Ratio Lower Upper

63 100

65 30.9 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

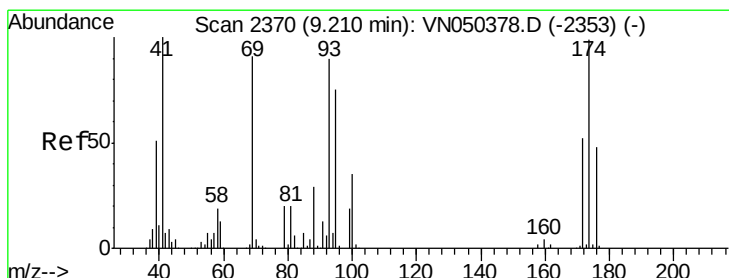
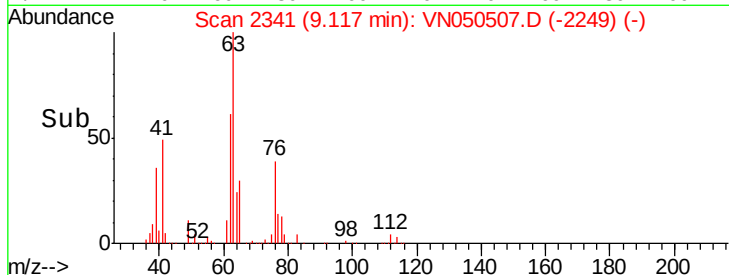
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.99 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

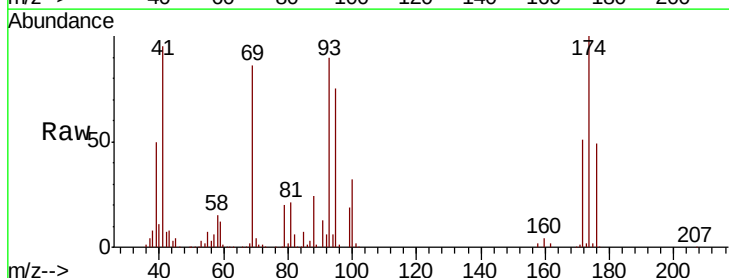
Tgt Ion: 93 Resp: 274151

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 111.6 87.1 130.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

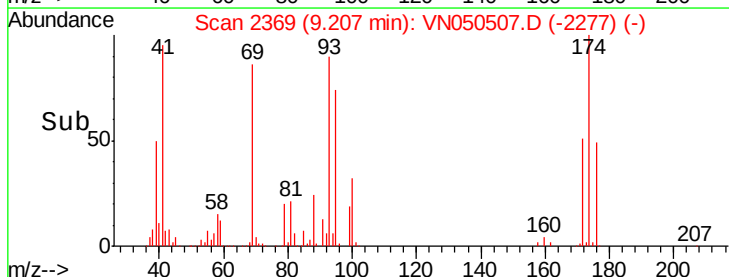
150000

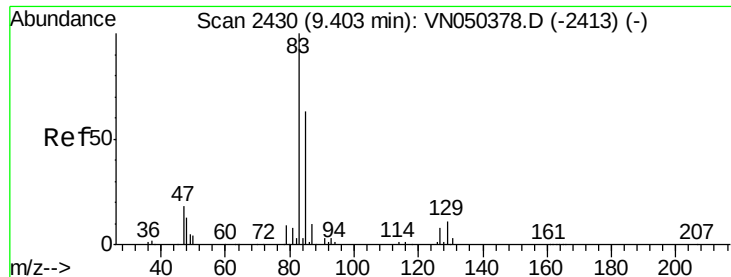
100000

50000

0

Time-->

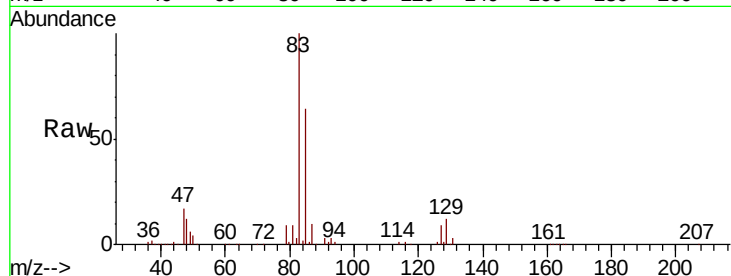




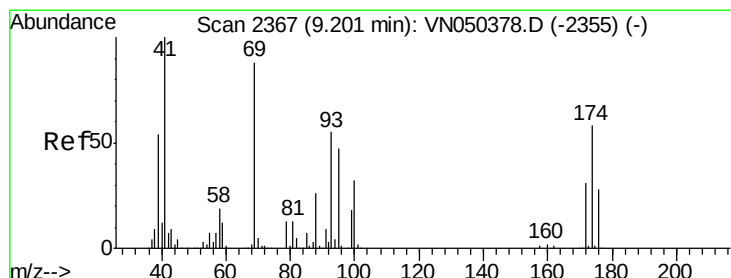
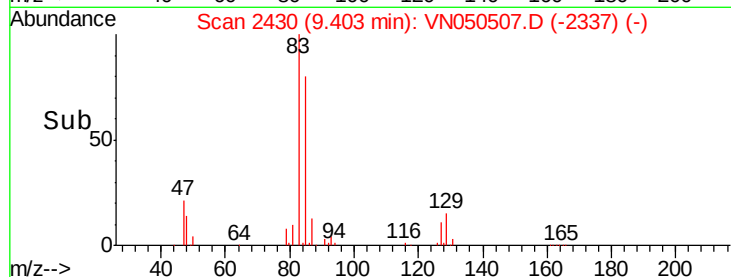
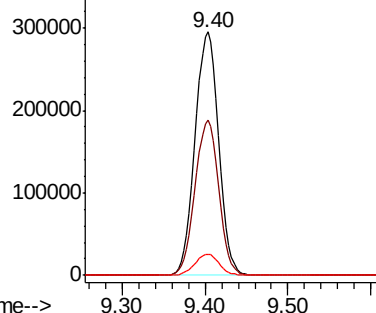
#47
Bromodichloromethane
Concen: 51.43 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 584180
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7
127 8.8 7.0 10.4

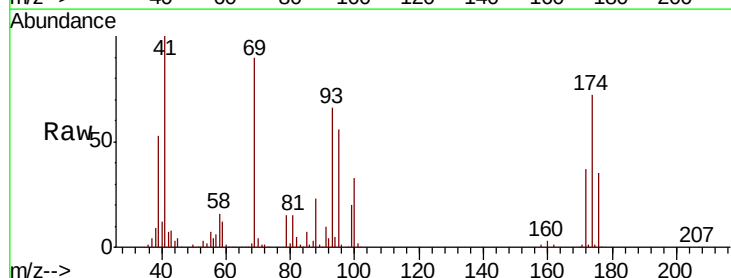


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

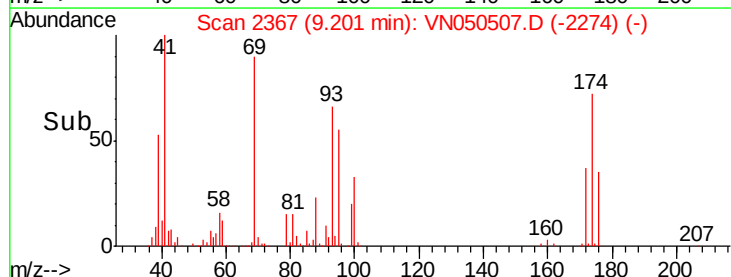
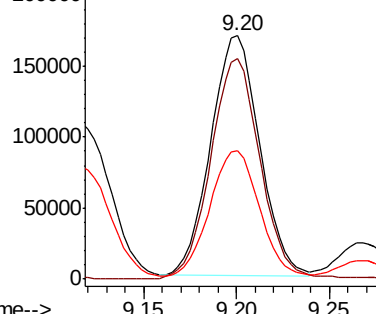


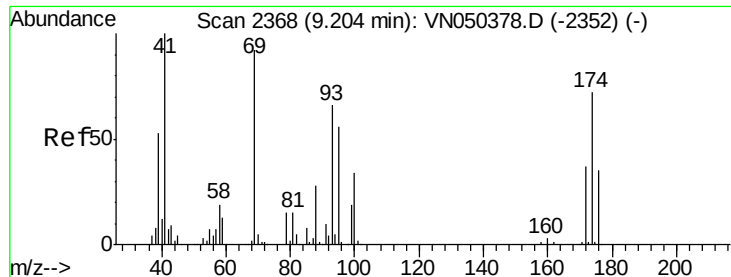
#48
Methyl methacrylate
Concen: 45.15 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 41 Resp: 309120
Ion Ratio Lower Upper
41 100
69 93.8 70.6 105.8
39 55.4 43.9 65.9



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





#49

1,4-Dioxane

Concen: 792.61 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.01 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

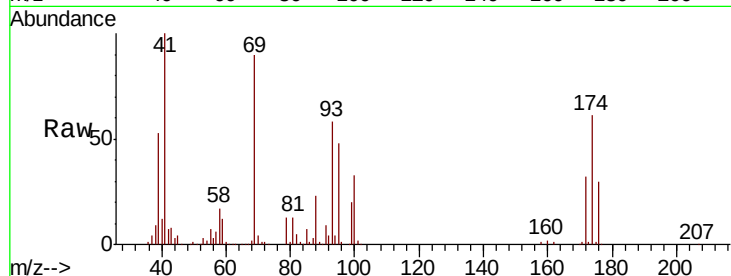
Tot Ion: 88 Resp: 83643

Ion Ratio Lower Upper

88 100

43 32.8 26.9 40.3

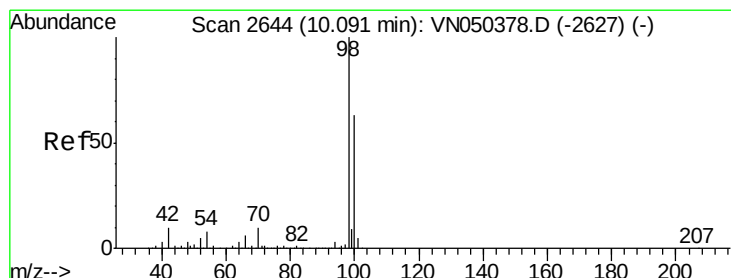
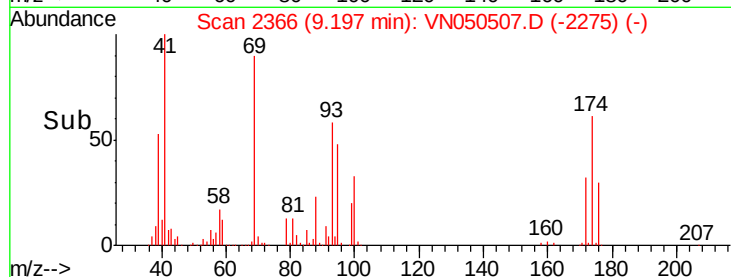
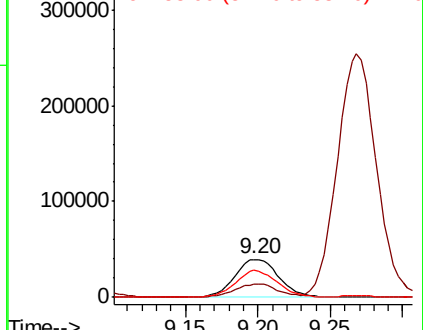
58 67.8 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.39 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050507.D

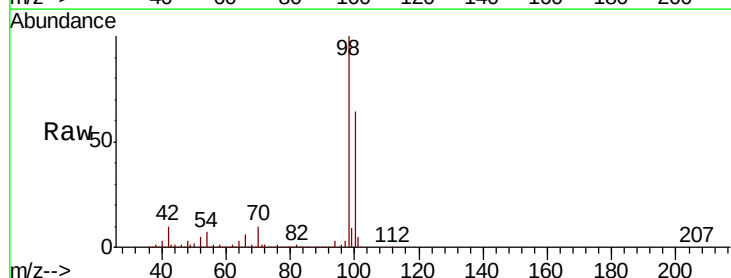
Acq: 10 Aug 2018 10:36

Tgt Ion: 98 Resp: 1490084

Ion Ratio Lower Upper

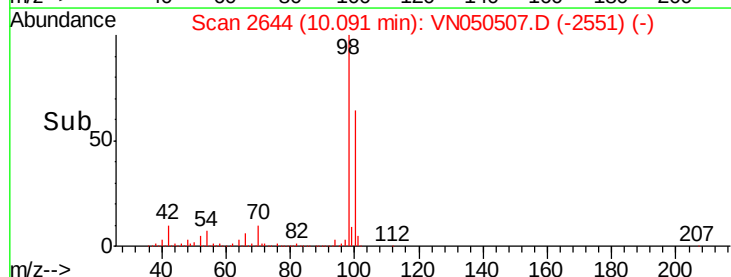
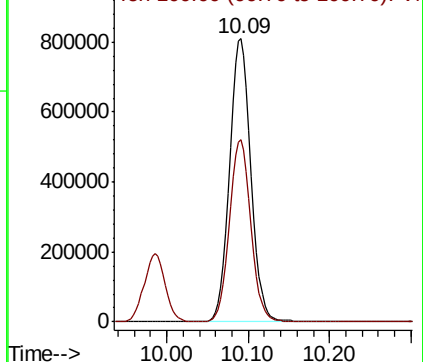
98 100

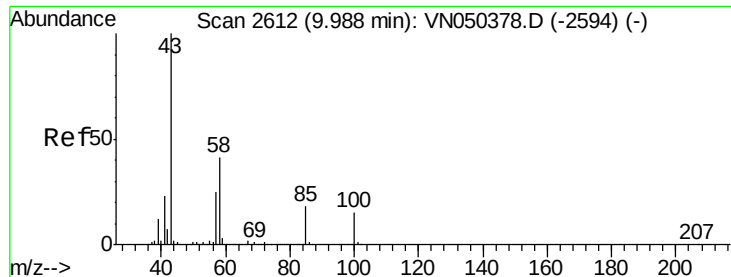
100 64.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

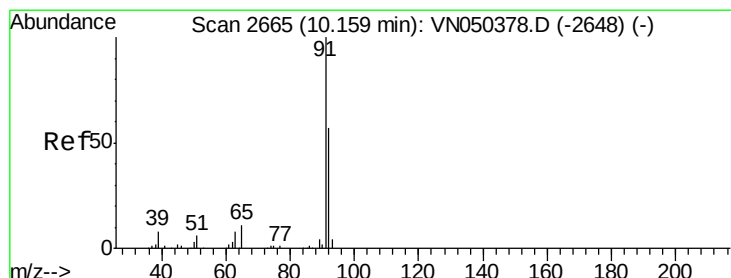
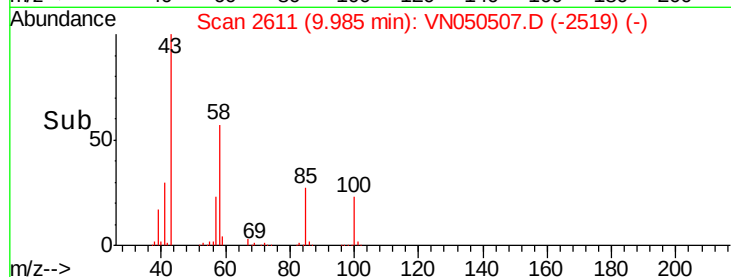
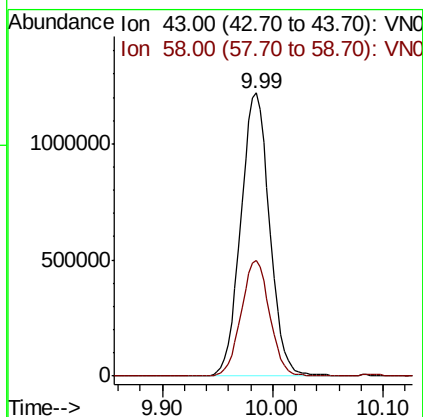
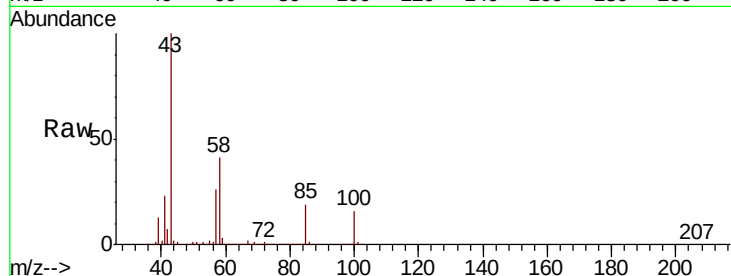




#51
4-Methyl-2-Pentanone
Concen: 223.55 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

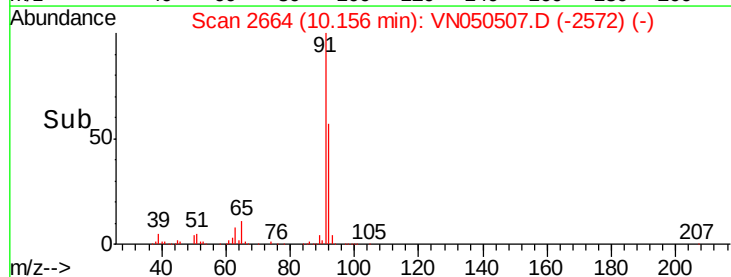
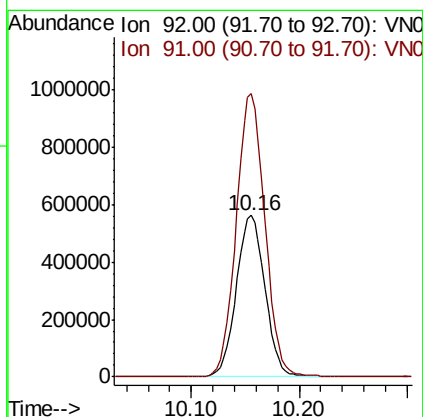
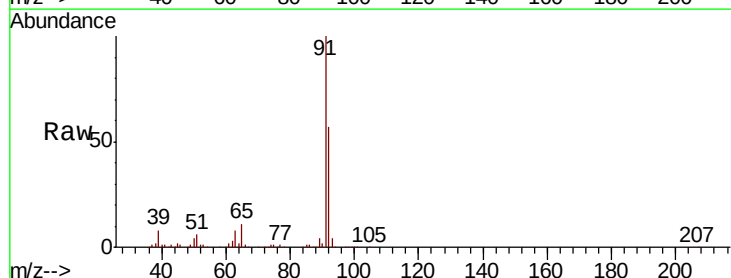
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

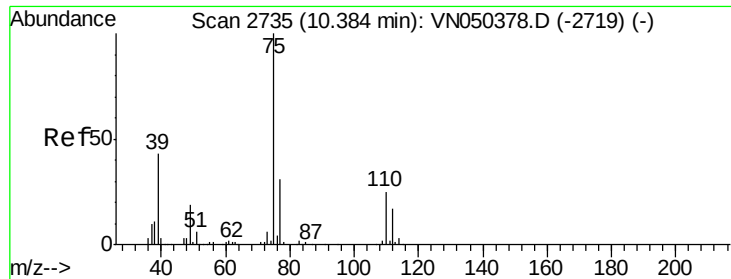
Tot Ion: 43 Resp: 2199149
Ion Ratio Lower Upper
43 100
58 40.6 31.9 47.9



#52
Toluene
Concen: 51.39 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 92 Resp: 1042789
Ion Ratio Lower Upper
92 100
91 175.6 140.3 210.5

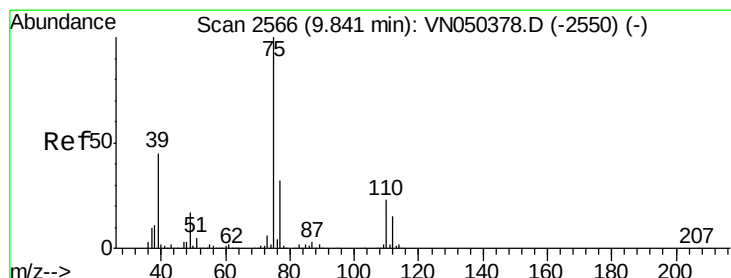
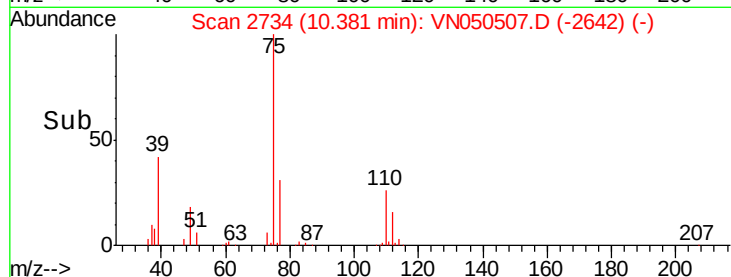
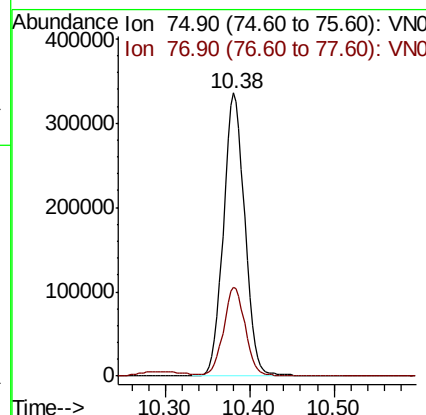
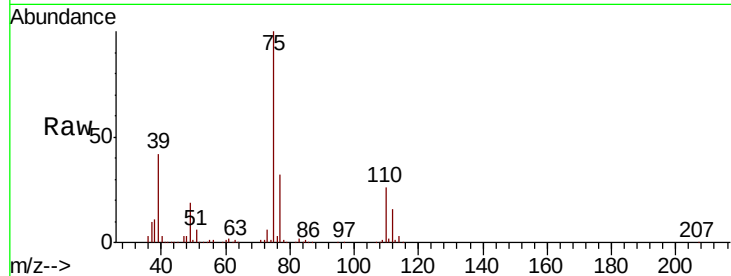




#53
t-1,3-Dichloropropene
Concen: 51.75 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

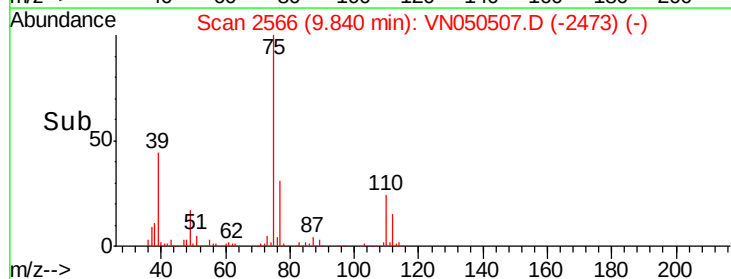
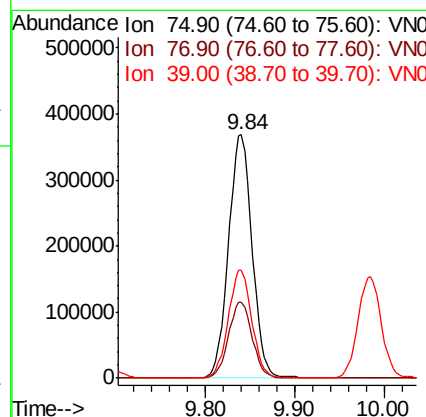
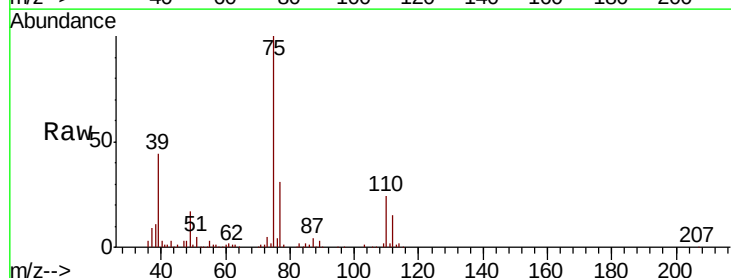
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

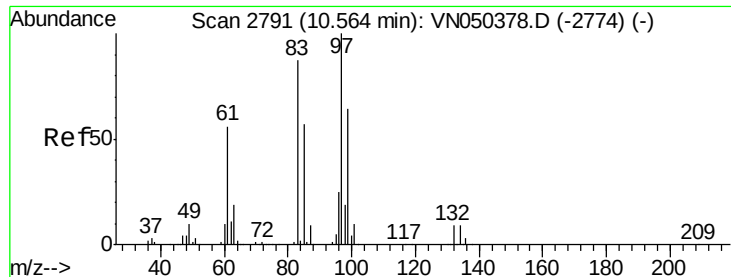
Tot Ion: 75 Resp: 590190
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 53.07 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 75 Resp: 675485
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 44.2 36.6 55.0

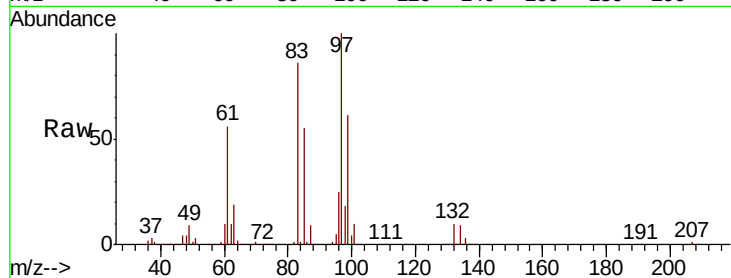




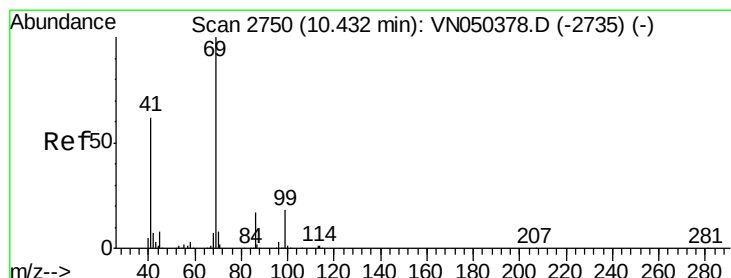
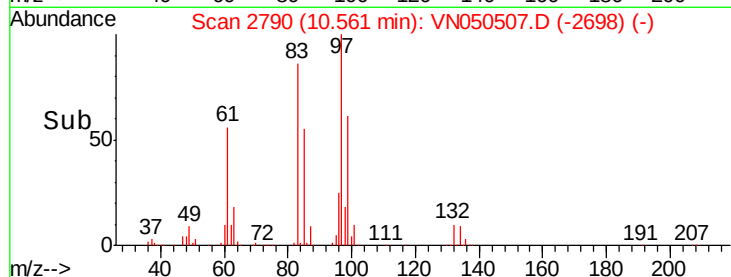
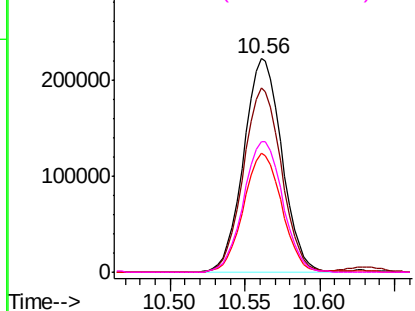
#55
 1,1,2-Trichloroethane
 Concen: 49.89 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	395252
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.2	103.8
85	55.5	44.0	66.0
99	61.0	49.9	74.9

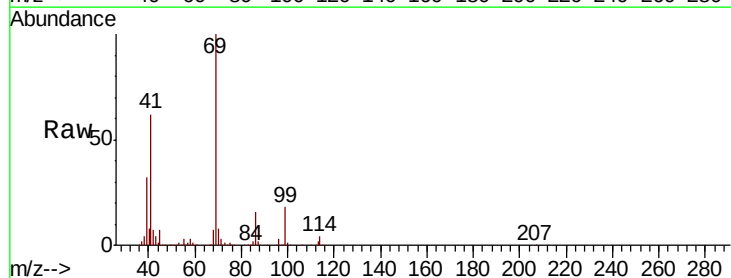


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

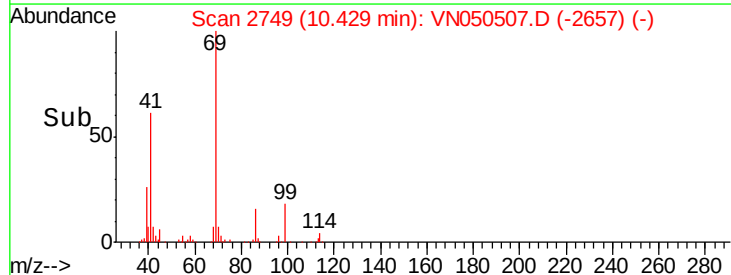
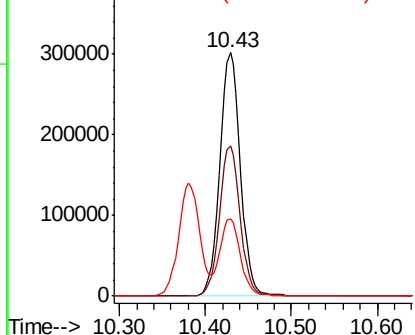


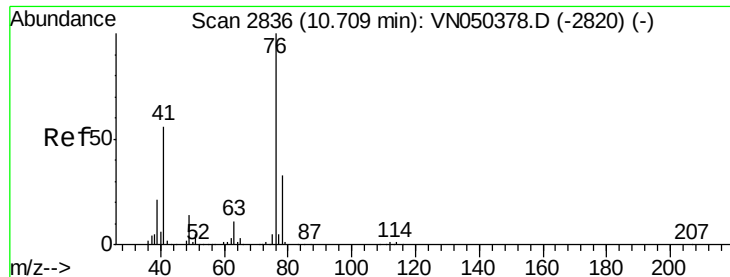
#56
 Ethyl methacrylate
 Concen: 44.99 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion:	69	Resp:	502379
Ion	Ratio	Lower	Upper
69	100		
41	61.6	51.0	76.4
39	31.6	26.6	40.0



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

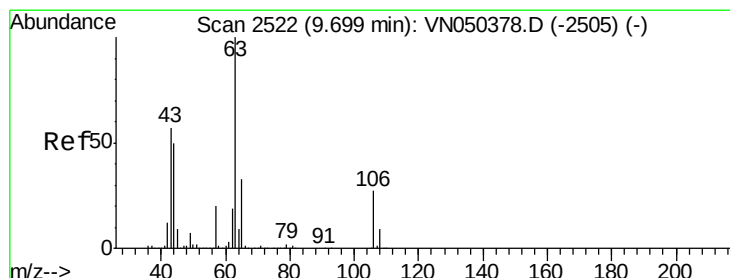
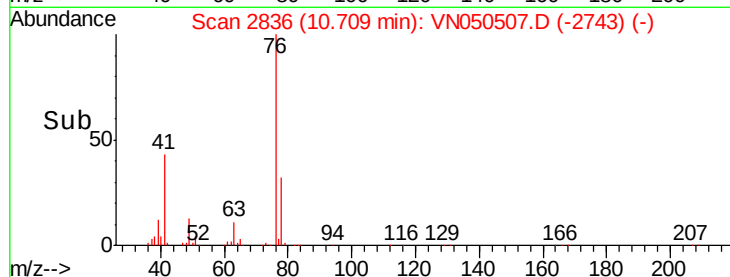
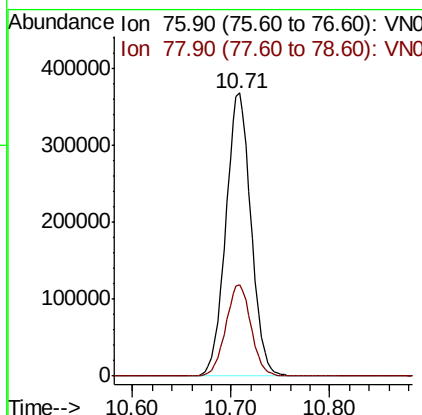
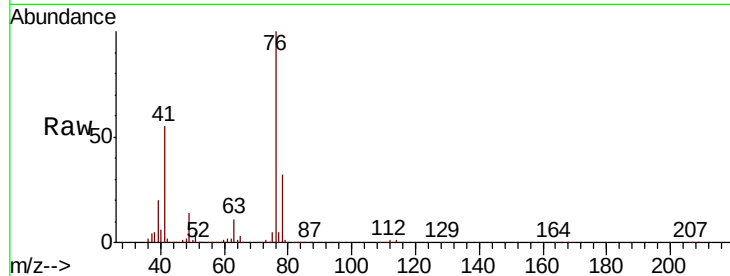




#57
 1,3-Dichloropropane
 Concen: 50.51 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

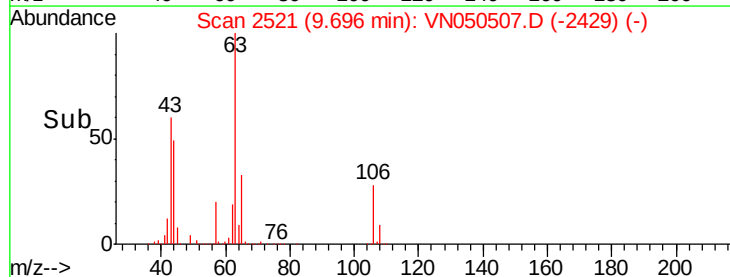
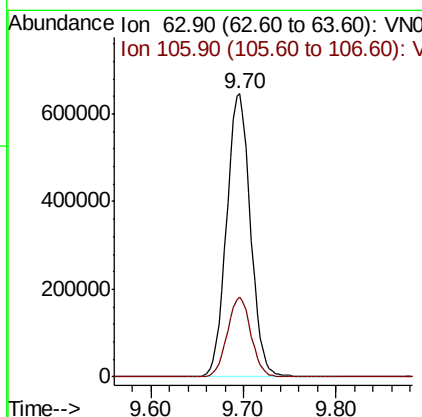
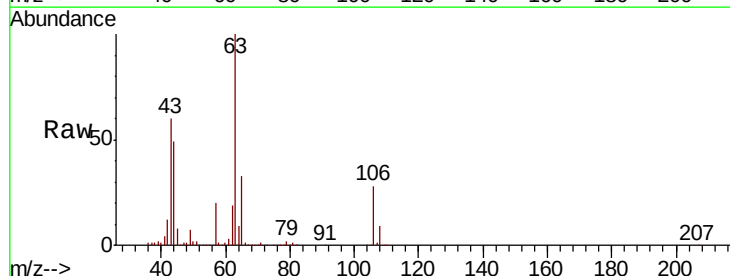
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

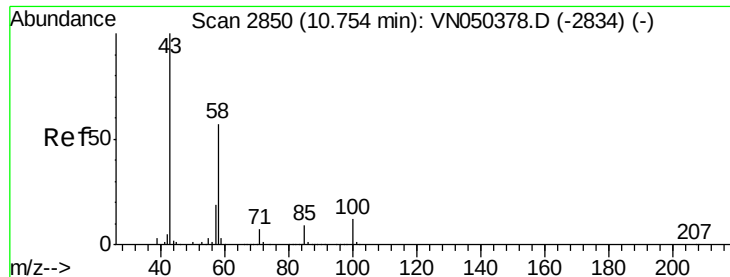
Tot Ion: 76 Resp: 656715
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.93 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 63 Resp: 1155153
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.7 32.5

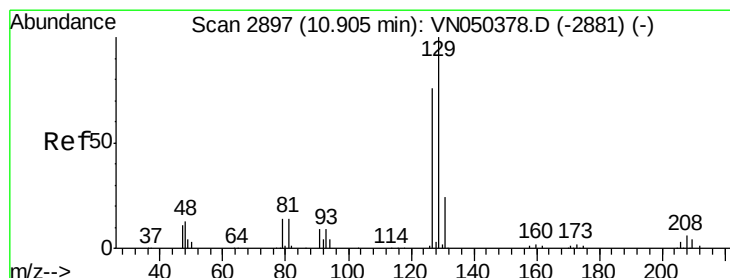
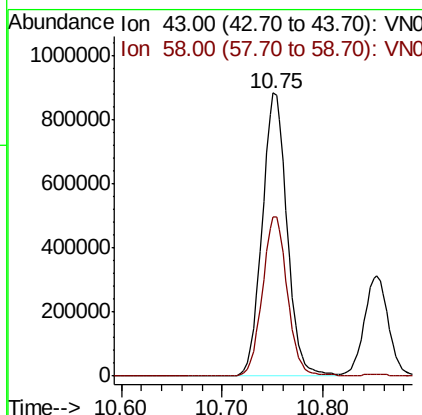
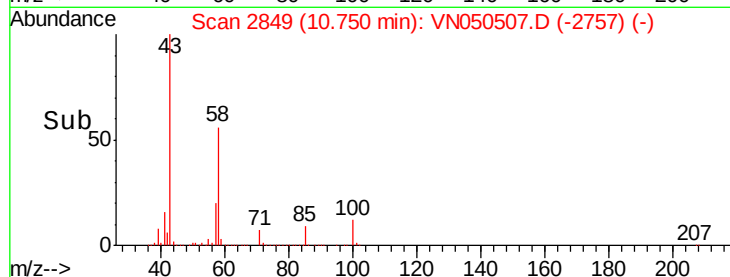
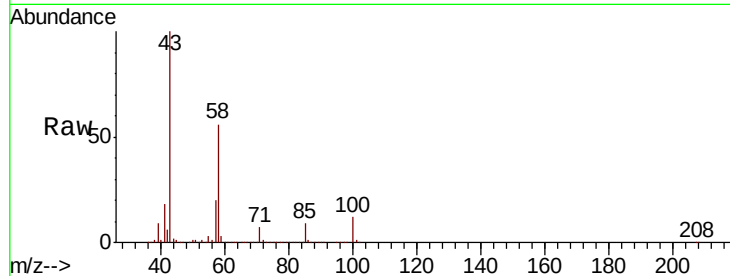




#59
2-Hexanone
Concen: 220.43 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

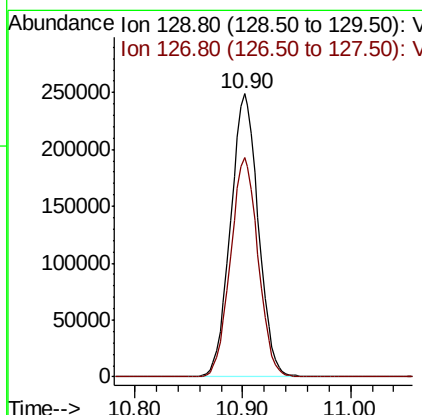
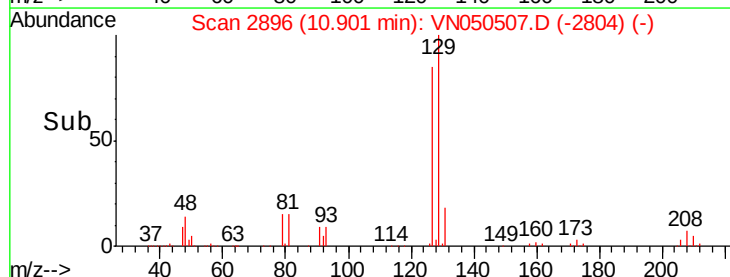
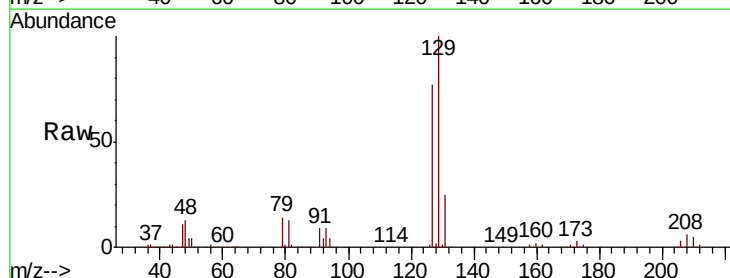
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

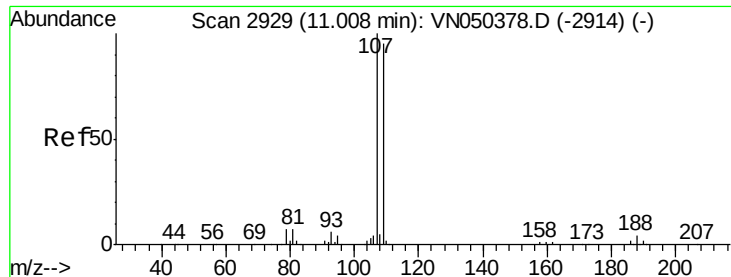
Tot Ion: 43 Resp: 1513329
Ion Ratio Lower Upper
43 100
58 56.6 27.6 82.7



#60
Dibromochloromethane
Concen: 51.31 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 129 Resp: 447821
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.56 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

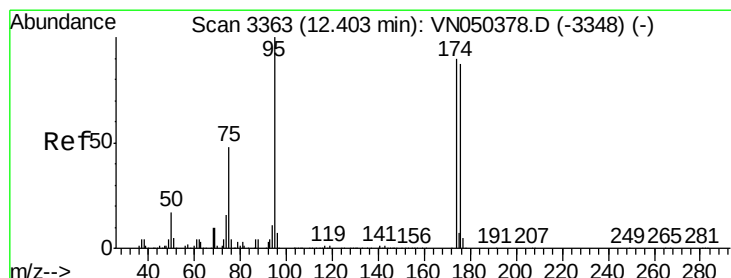
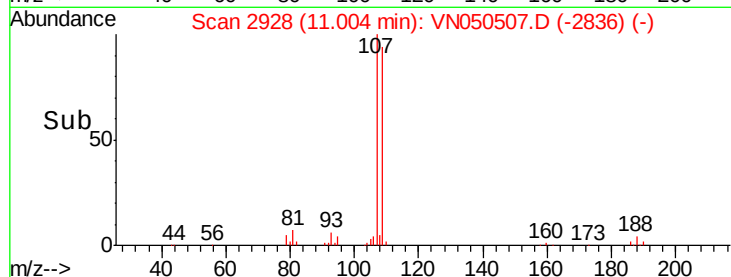
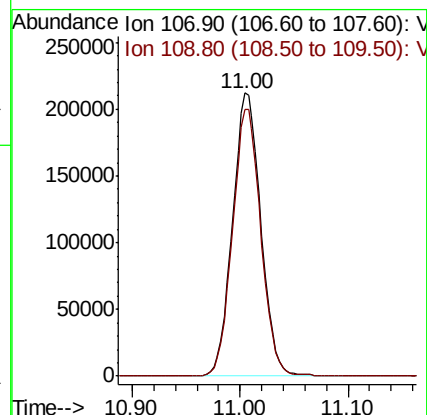
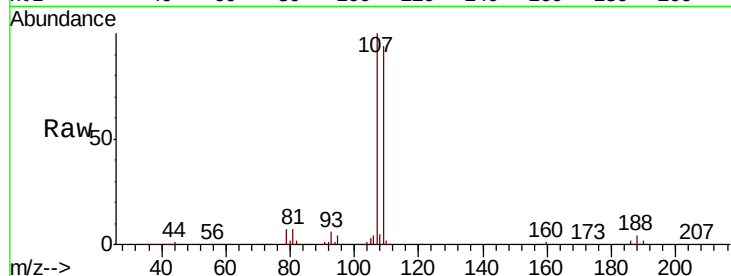
VSTDCCC050

Tot Ion:107 Resp: 386960

Ion Ratio Lower Upper

107 100

109 94.5 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 49.61 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

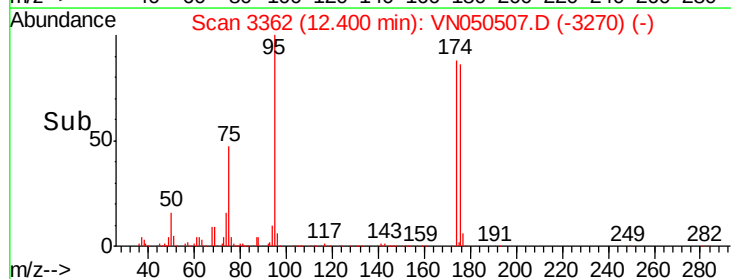
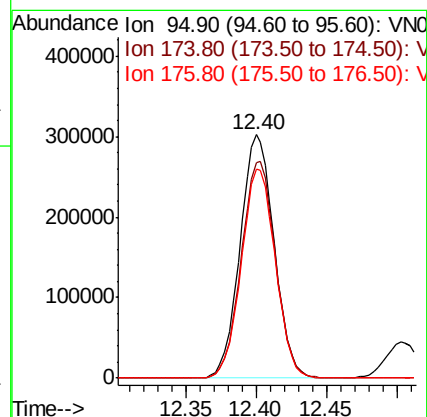
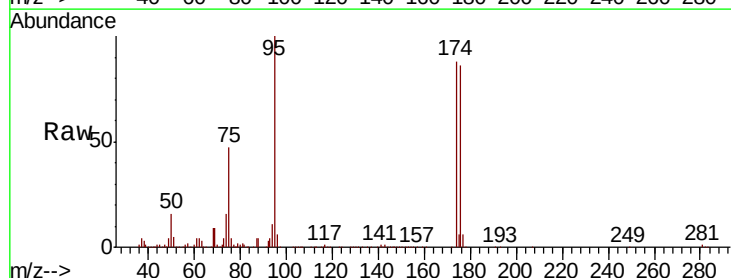
Tgt Ion: 95 Resp: 510130

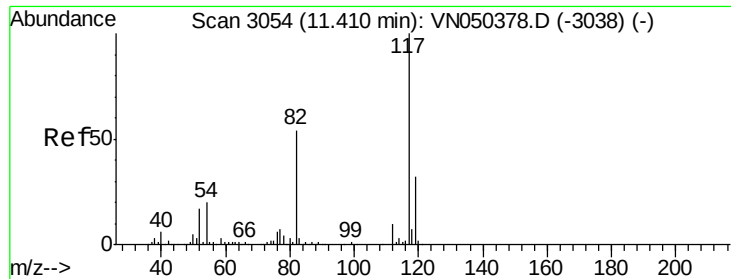
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.2

176 86.3 0.0 173.4

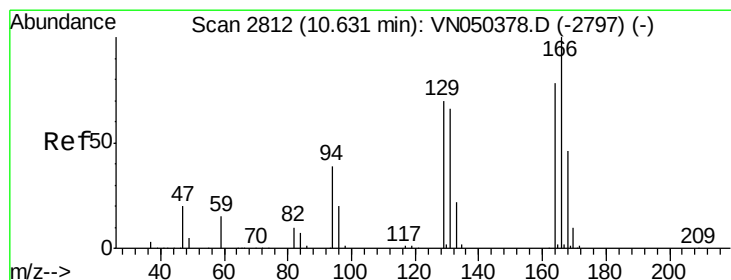
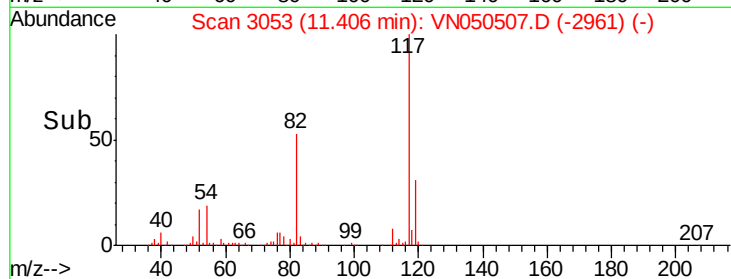
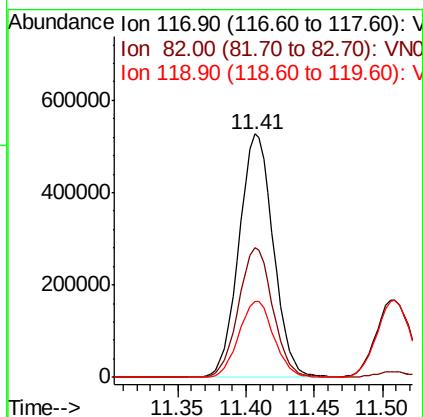
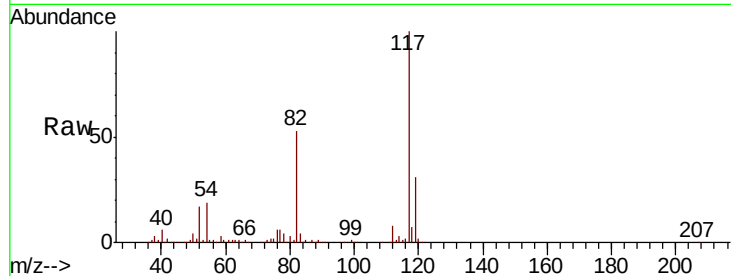




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

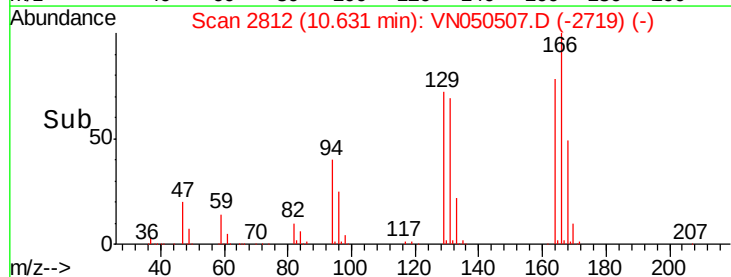
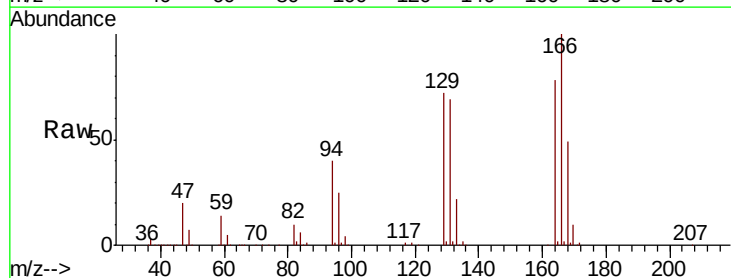
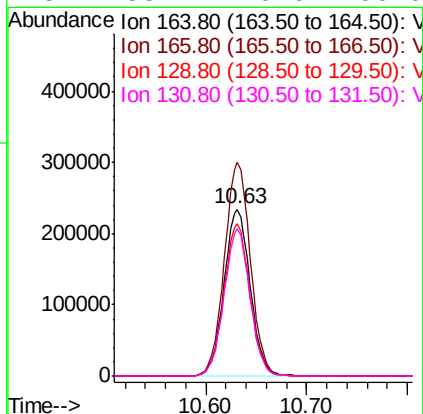
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

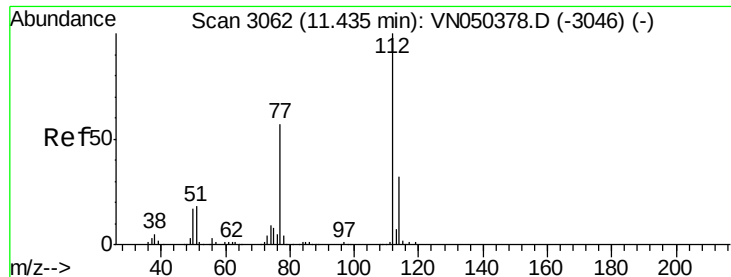
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.7	65.5
119	31.3	26.1	39.1



#64
Tetrachloroethene
Concen: 49.19 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.1	153.1
129	91.6	73.2	109.8
131	88.2	70.6	106.0

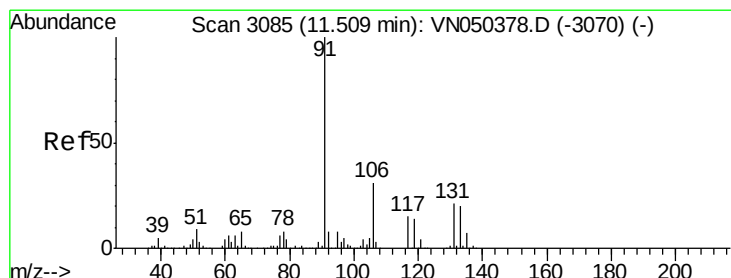
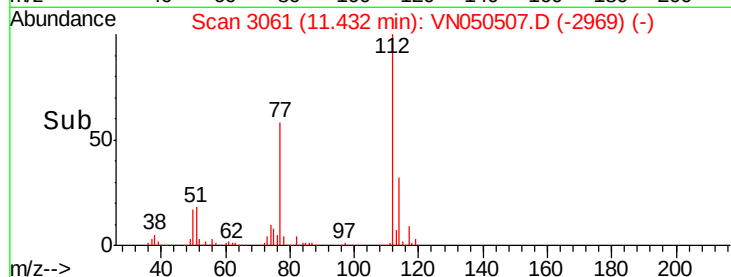
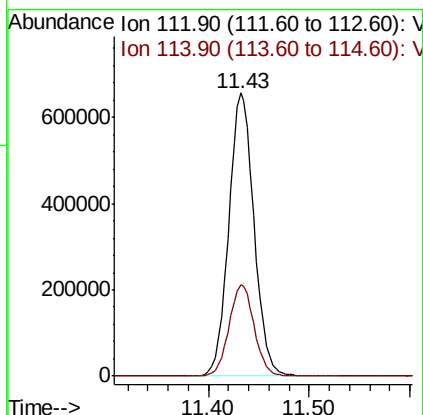
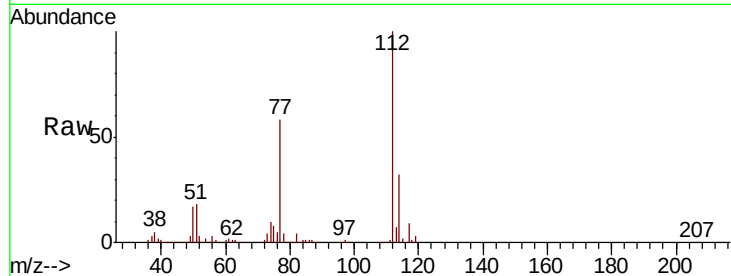




#65
Chlorobenzene
Concen: 49.29 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

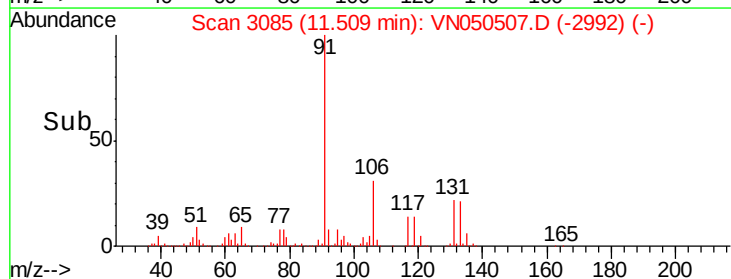
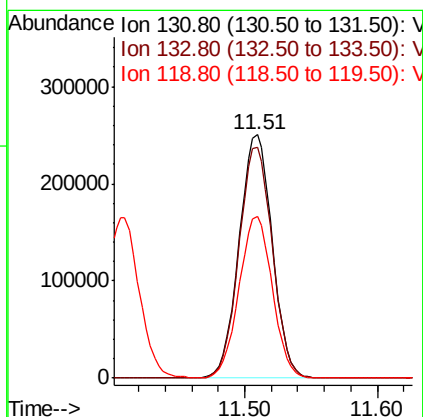
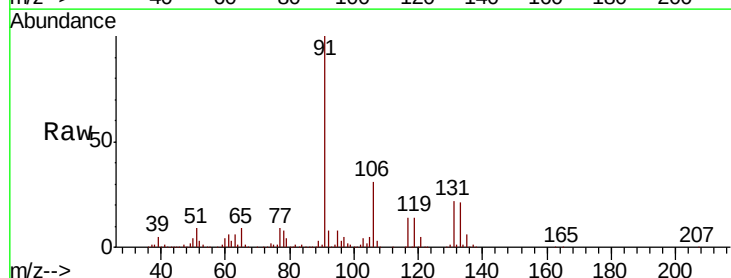
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

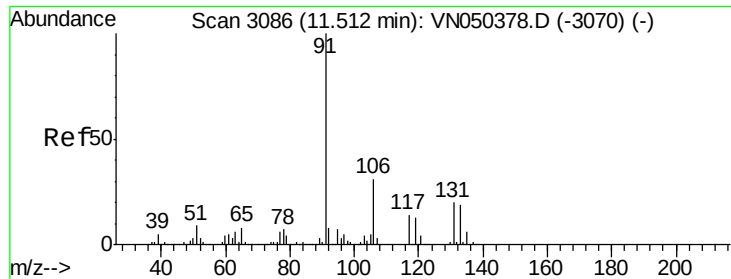
Tot Ion:112 Resp: 1139762
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.67 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion:131 Resp: 434862
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 66.6 32.9 98.7





#67

Ethyl Benzene

Concen: 51.93 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

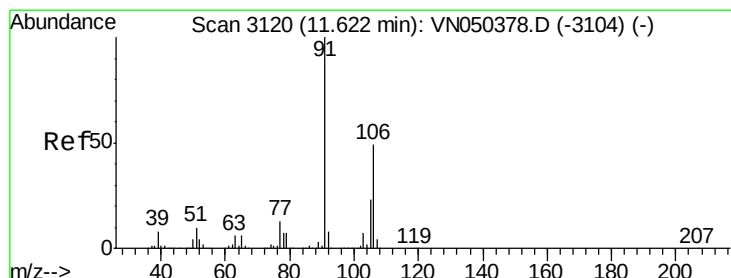
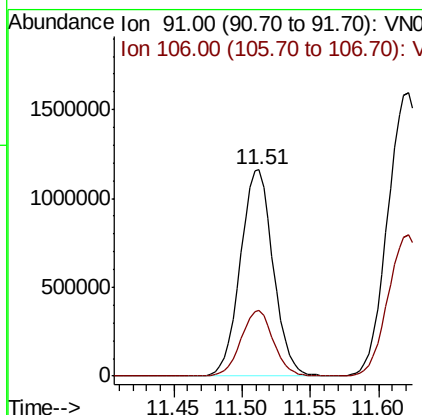
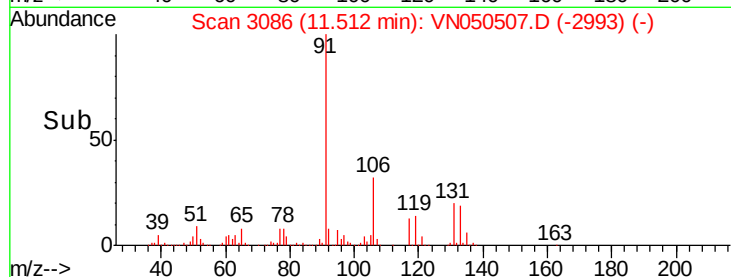
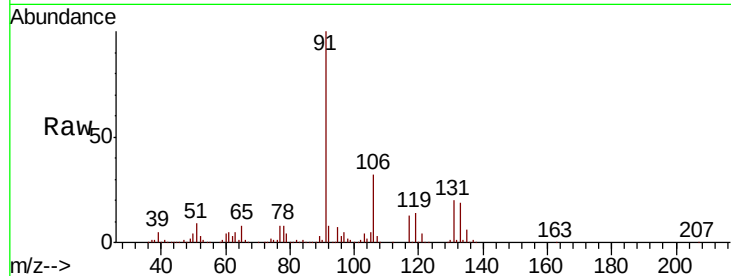
VSTDCCC050

Tot Ion: 91 Resp: 1940818

Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4



#68

m/p-Xylenes

Concen: 106.07 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050507.D

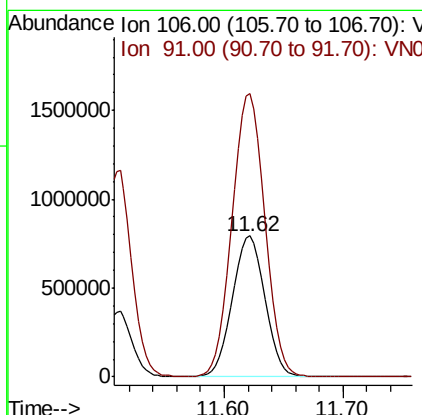
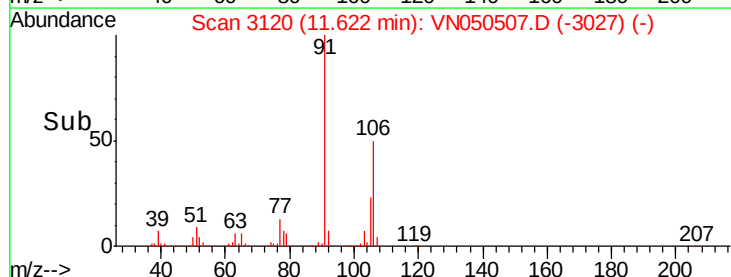
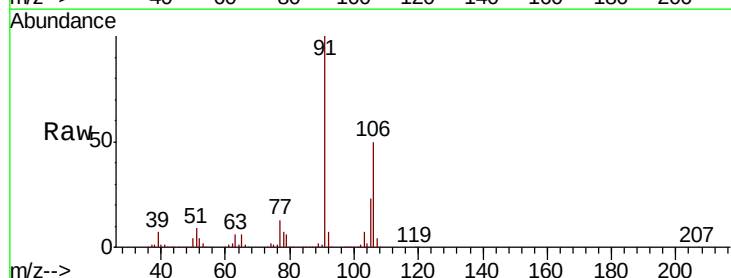
Acq: 10 Aug 2018 10:36

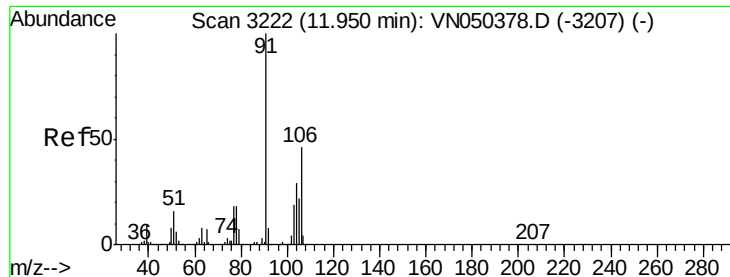
Tgt Ion: 106 Resp: 1509218

Ion Ratio Lower Upper

106 100

91 201.8 162.2 243.2

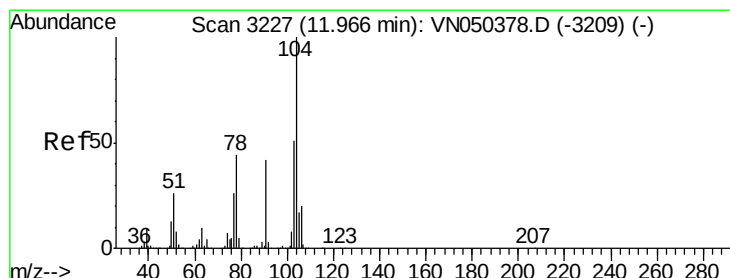
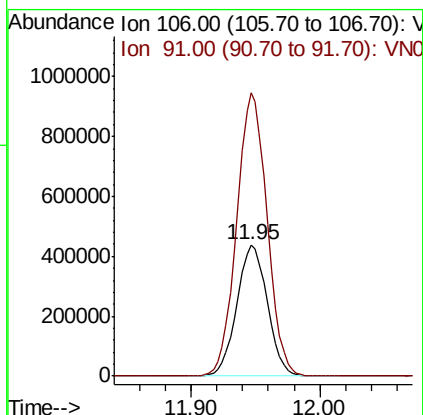
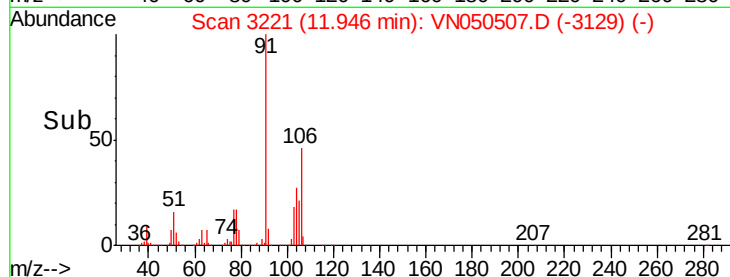
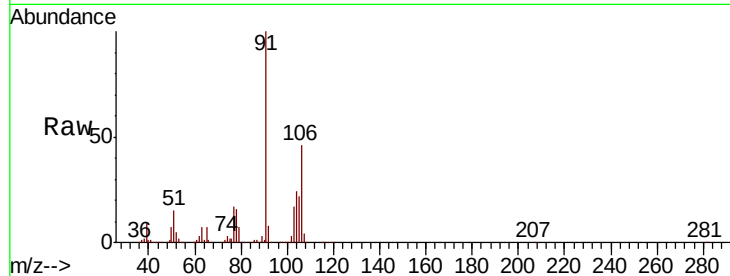




#69
o-Xylene
Concen: 52.69 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

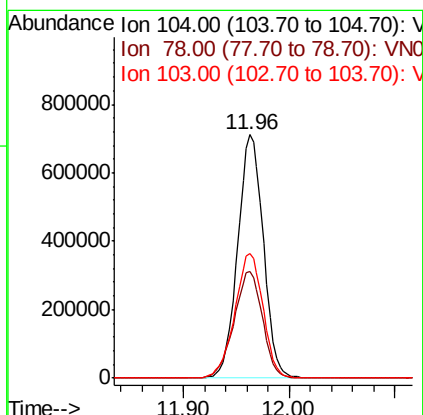
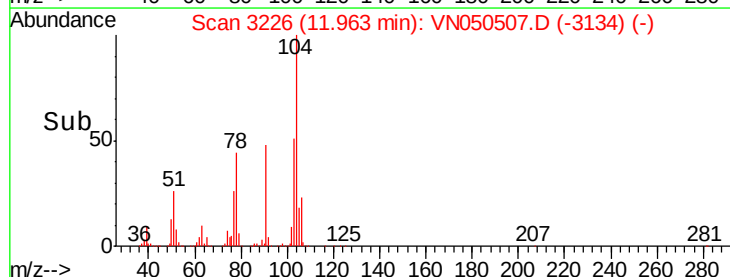
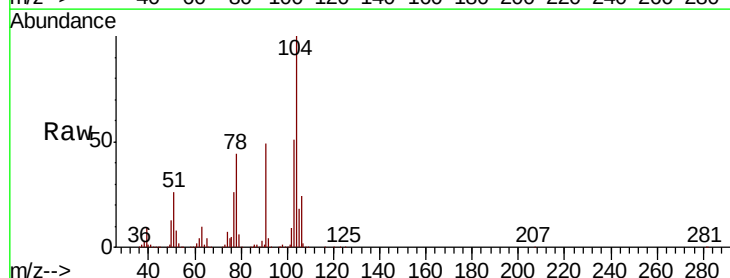
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

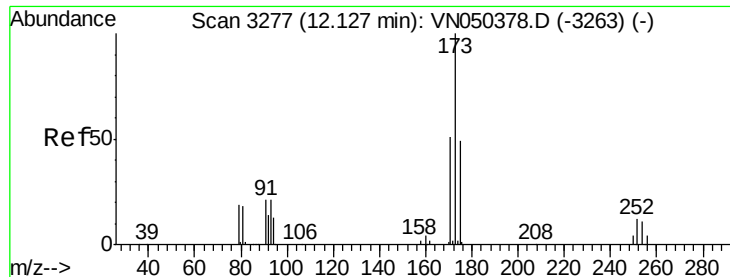
Tot Ion:106 Resp: 722159
Ion Ratio Lower Upper
106 100
91 214.3 107.7 323.1



#70
Styrene
Concen: 53.86 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050507.D
Acq: 10 Aug 2018 10:36

Tgt Ion:104 Resp: 1200514
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 56.1 45.0 67.6





#71

Bromoform

Concen: 49.71 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

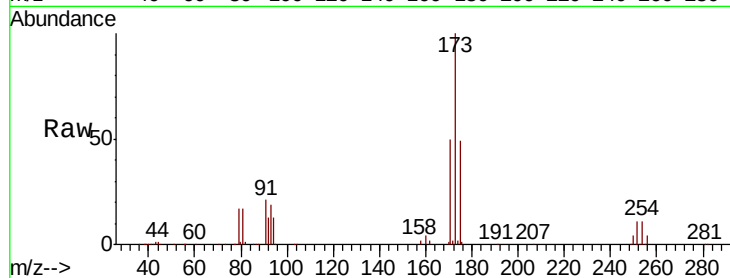
Tot Ion:173 Resp: 305713

Ion Ratio Lower Upper

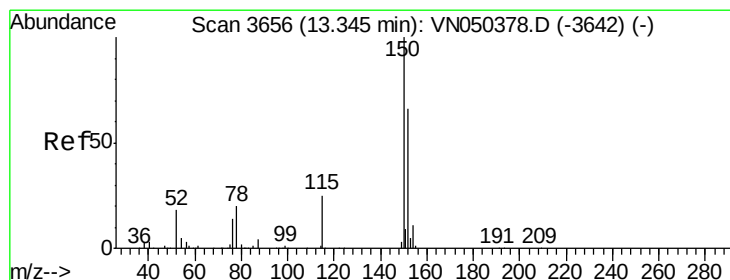
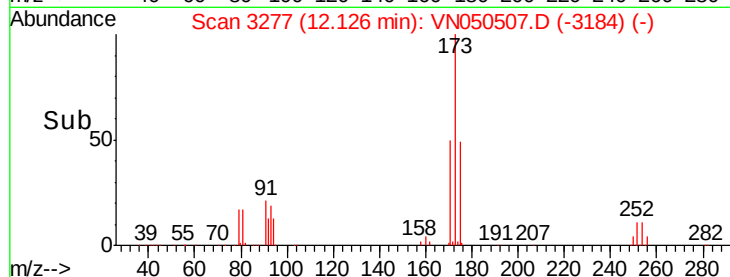
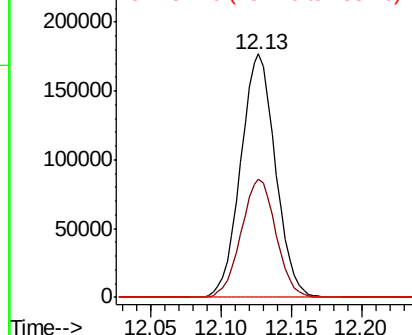
173 100

175 48.4 24.1 72.2

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

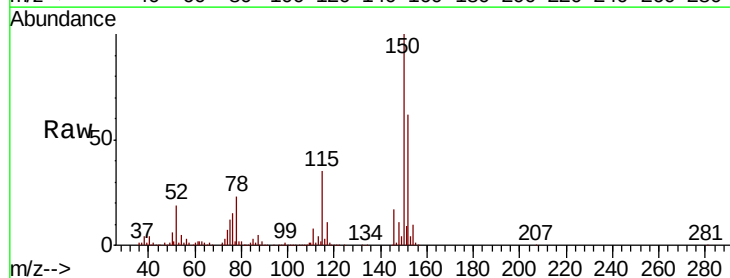
Tgt Ion:152 Resp: 476935

Ion Ratio Lower Upper

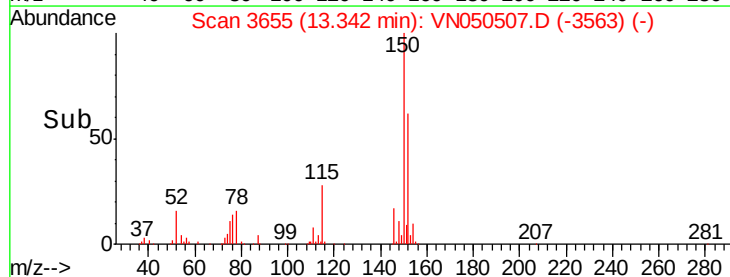
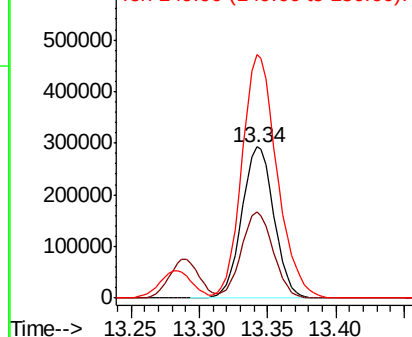
152 100

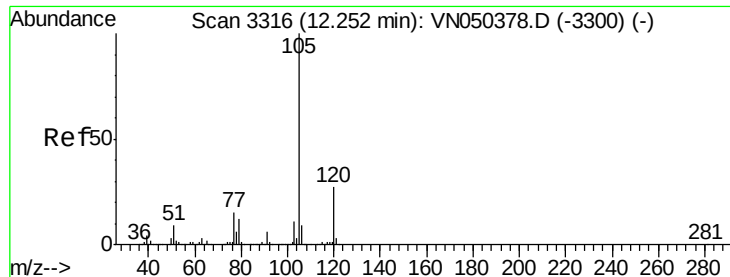
115 56.6 27.8 83.3

150 176.0 0.0 348.6



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





#73

Isopropylbenzene

Concen: 53.17 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

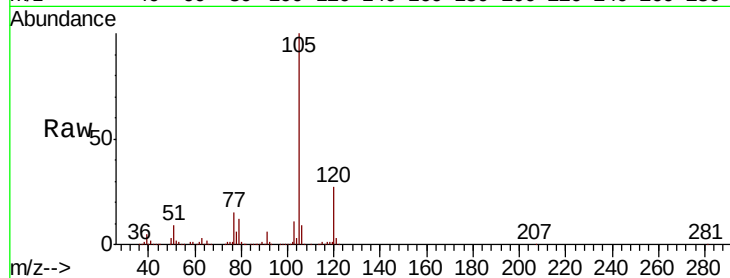
VSTDCCC050

Tot Ion:105 Resp: 1903551

Ion Ratio Lower Upper

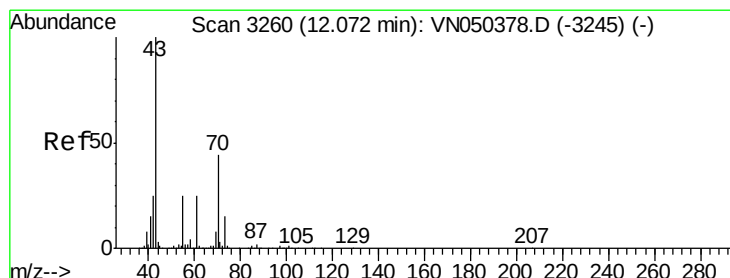
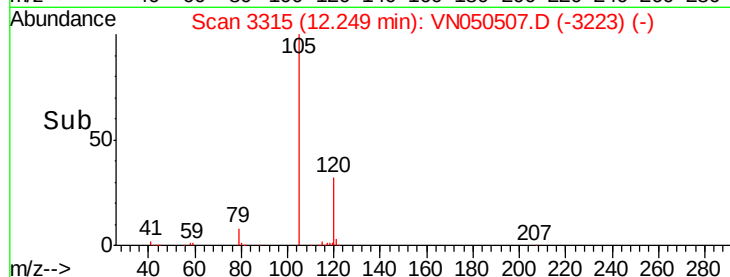
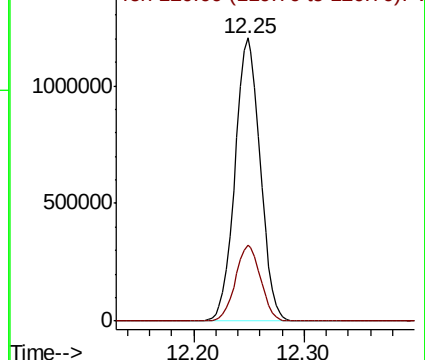
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.15 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 43 Resp: 535601

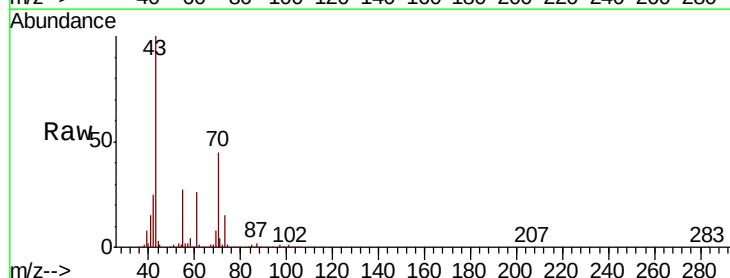
Ion Ratio Lower Upper

43 100

70 44.6 34.4 51.6

55 26.8 20.8 31.2

61 25.6 19.7 29.5

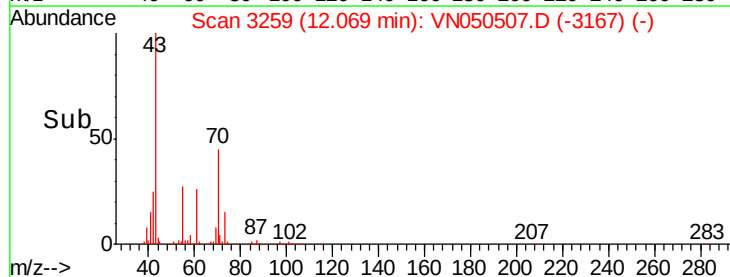
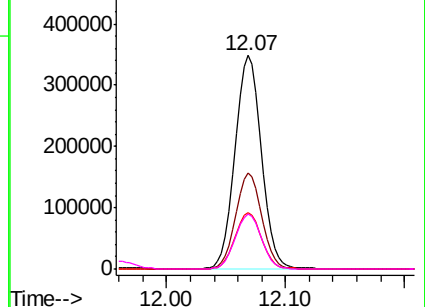


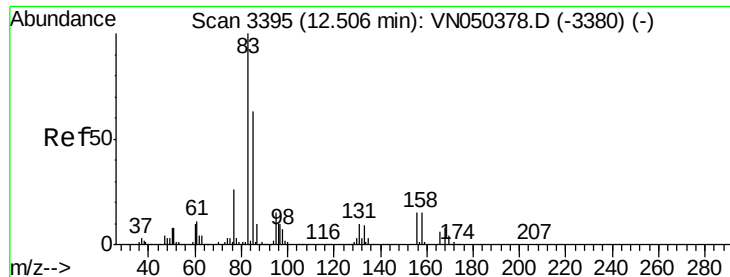
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.78 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

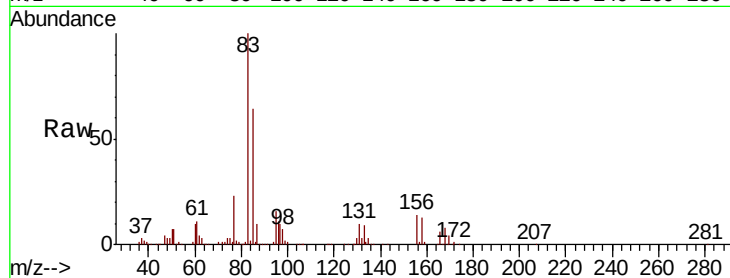
Tot Ion: 83 Resp: 483236

Ion Ratio Lower Upper

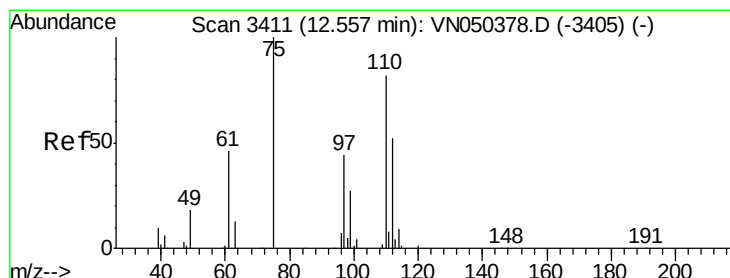
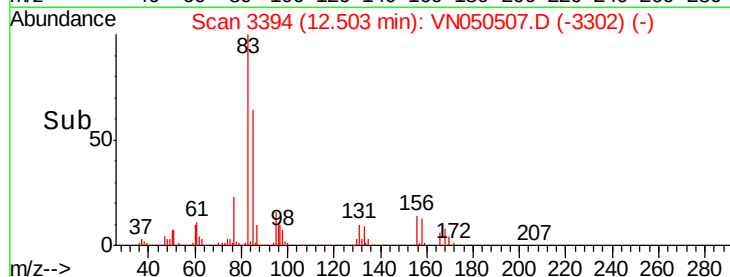
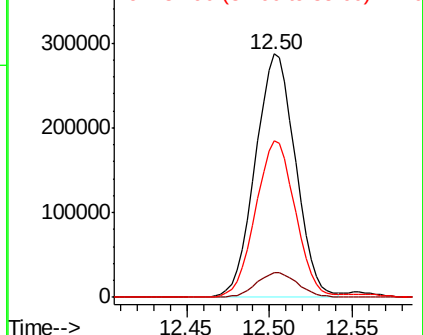
83 100

131 10.5 5.1 15.3

85 63.6 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 66.48 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050507.D

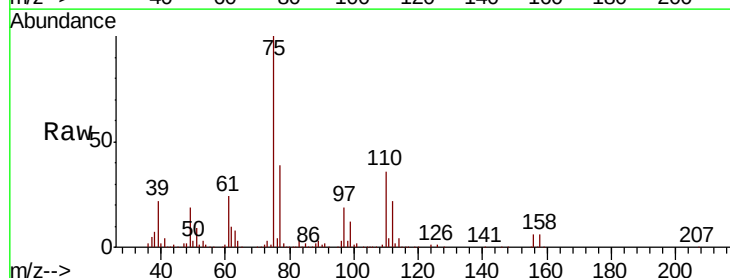
Acq: 10 Aug 2018 10:36

Tgt Ion: 75 Resp: 573959

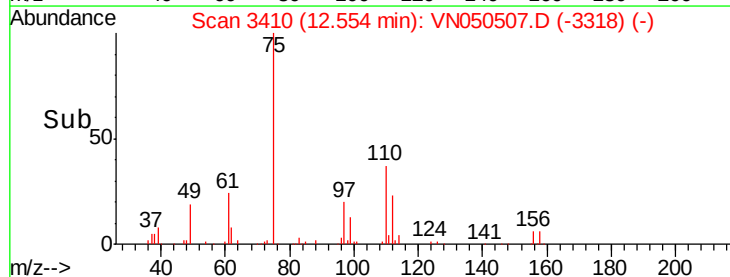
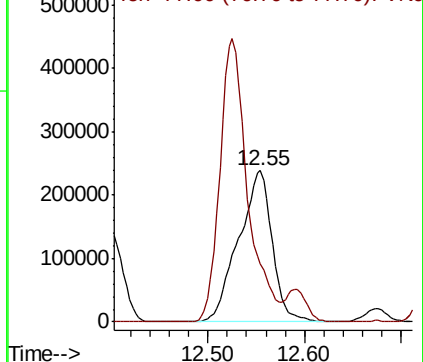
Ion Ratio Lower Upper

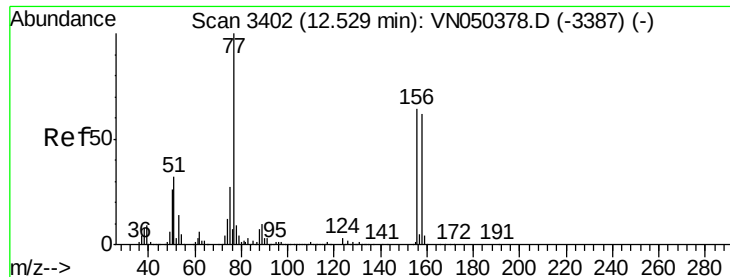
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.94 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

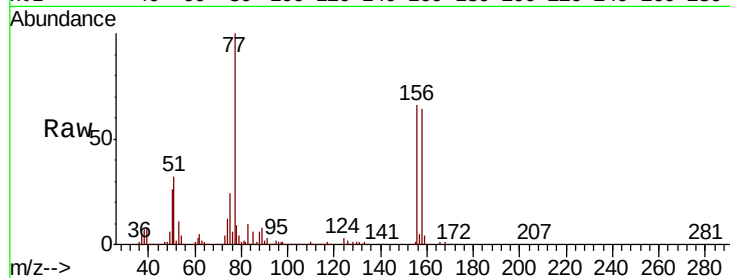
Tot Ion:156 Resp: 498185

Ion Ratio Lower Upper

156 100

77 178.3 91.7 275.1

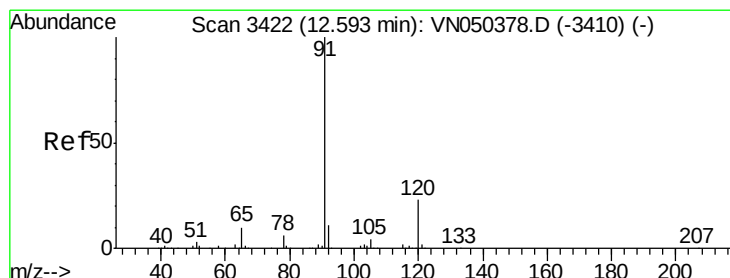
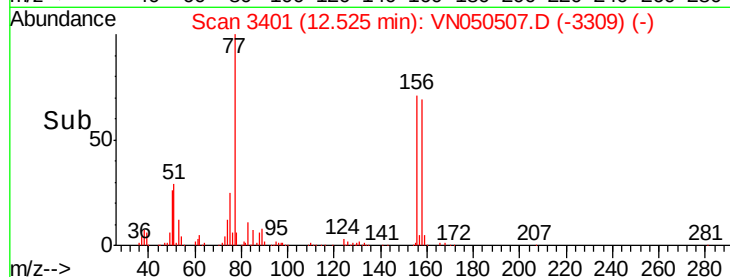
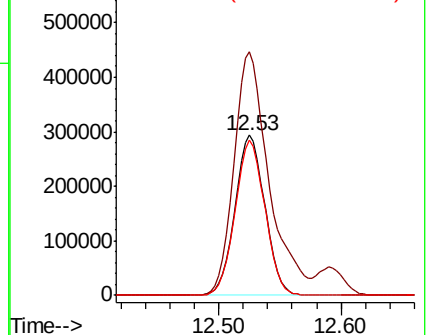
158 96.7 48.9 146.6



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: 53.72 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050507.D

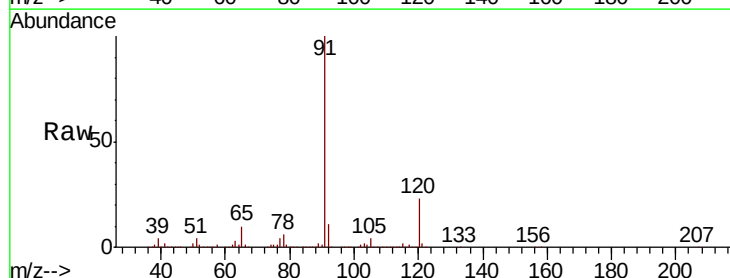
Acq: 10 Aug 2018 10:36

Tgt Ion: 91 Resp: 2177014

Ion Ratio Lower Upper

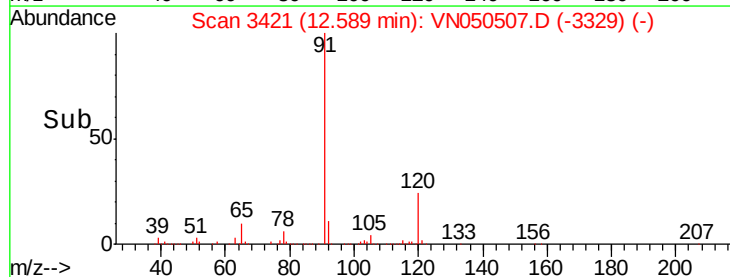
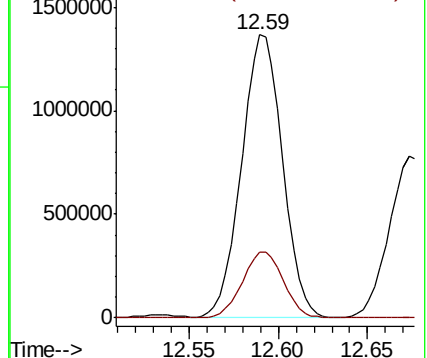
91 100

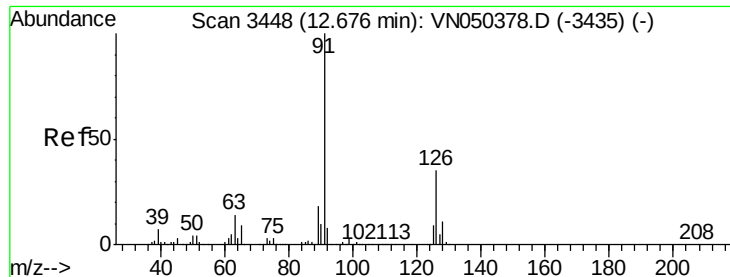
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.80 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

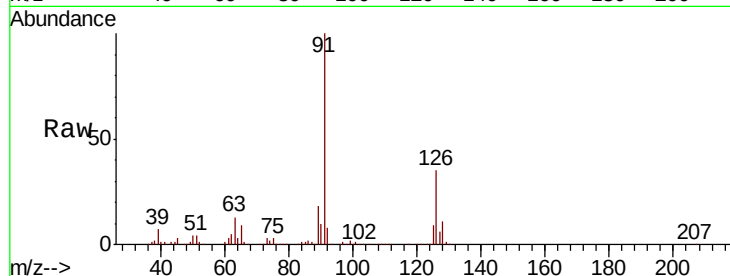
VSTDCCC050

Tot Ion: 91 Resp: 1296399

Ion Ratio Lower Upper

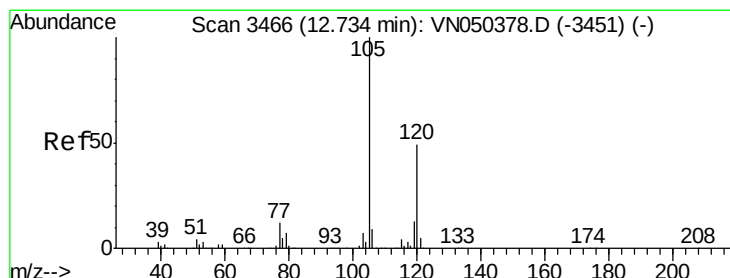
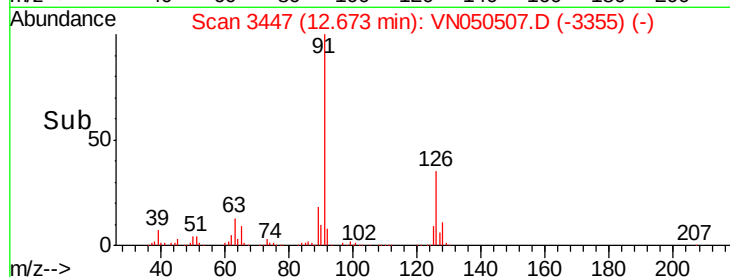
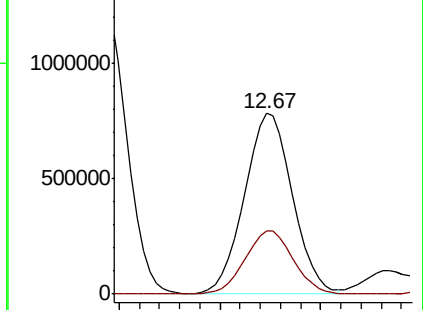
91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.16 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050507.D

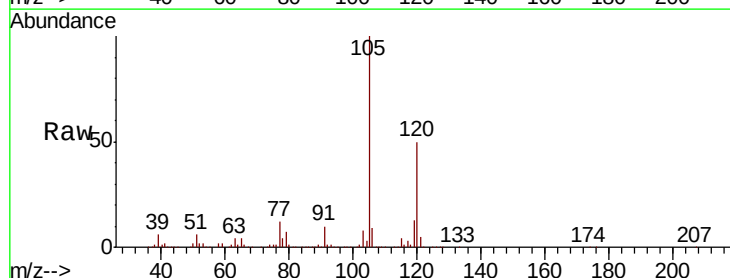
Acq: 10 Aug 2018 10:36

Tgt Ion:105 Resp: 1574109

Ion Ratio Lower Upper

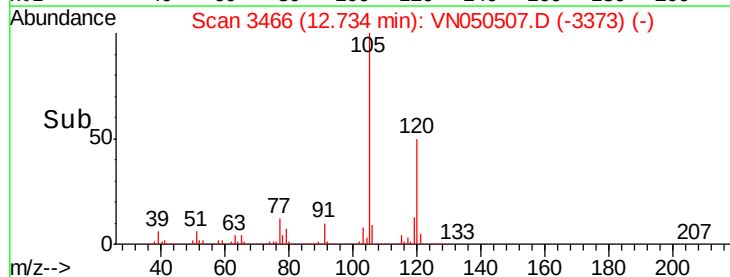
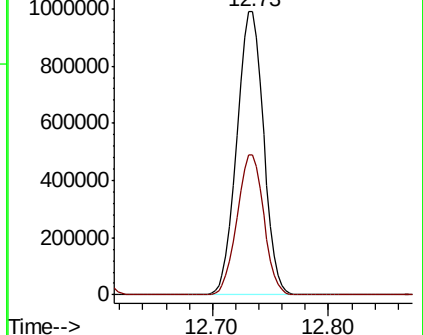
105 100

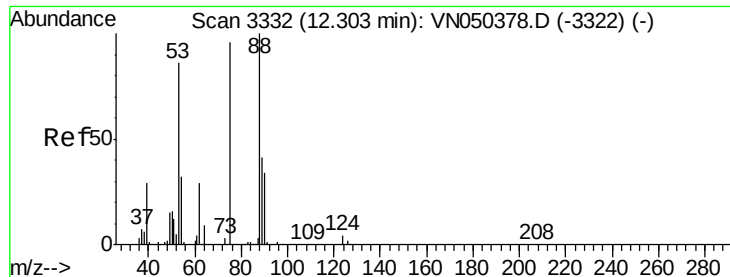
120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.21 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

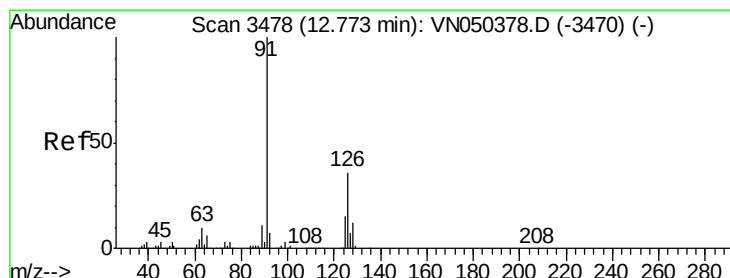
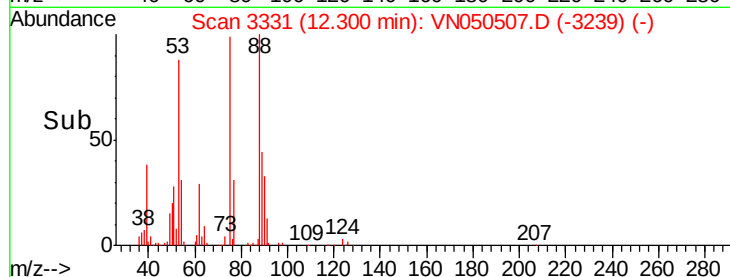
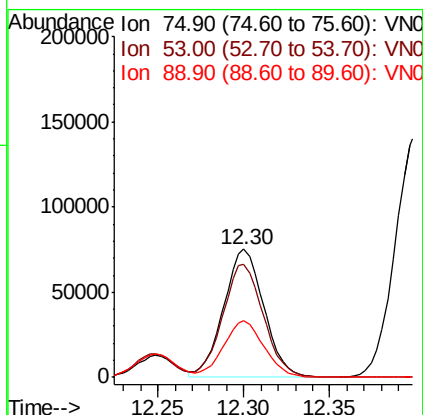
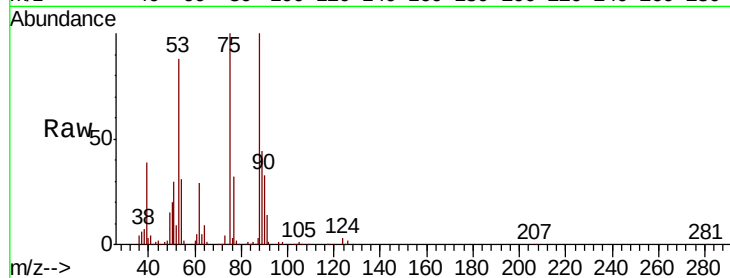
Tot Ion: 75 Resp: 123359

Ion Ratio Lower Upper

75 100

53 89.7 73.5 110.3

89 44.6 36.0 54.0



#82

4-Chlorotoluene

Concen: 53.42 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050507.D

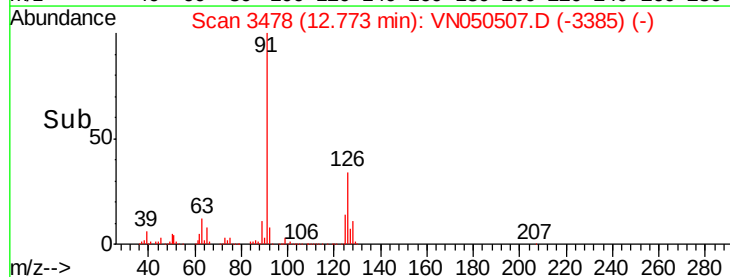
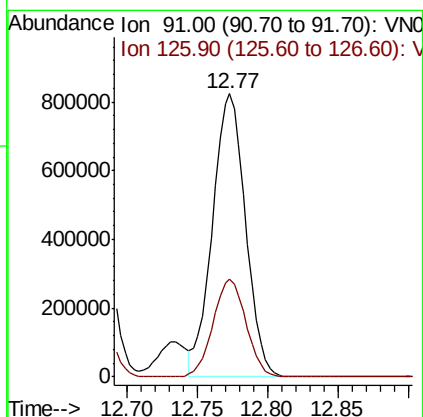
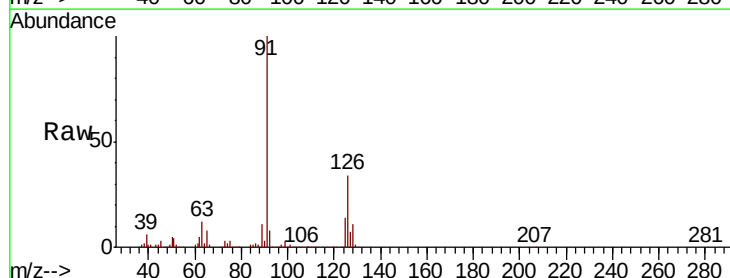
Acq: 10 Aug 2018 10:36

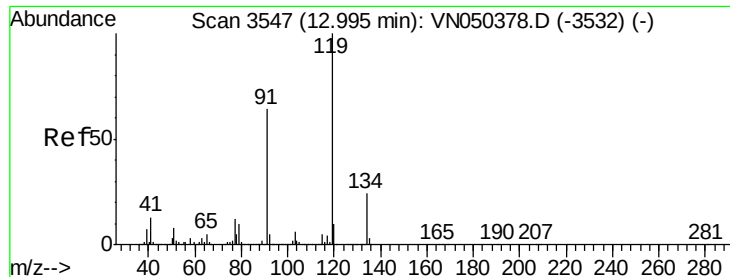
Tgt Ion: 91 Resp: 1333225

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0





#83

tert-Butylbenzene

Concen: 52.06 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

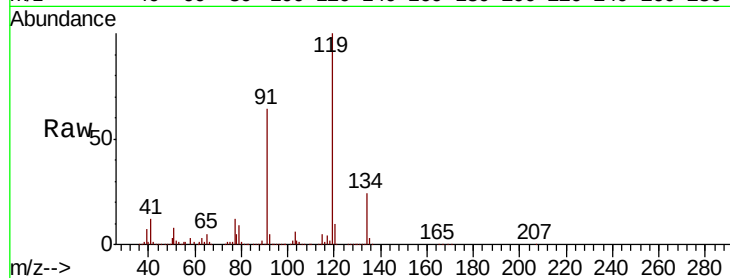
Tot Ion:119 Resp: 1319896

Ion Ratio Lower Upper

119 100

91 63.3 32.1 96.3

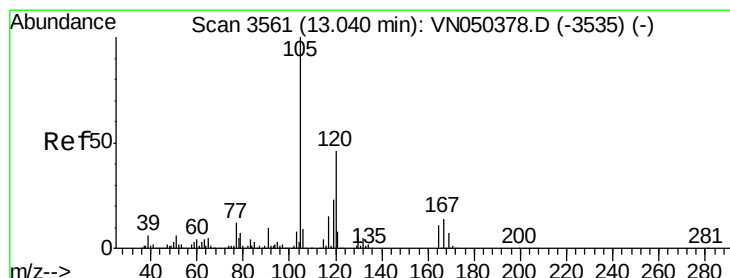
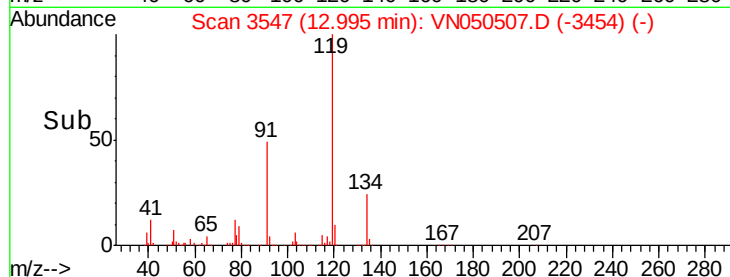
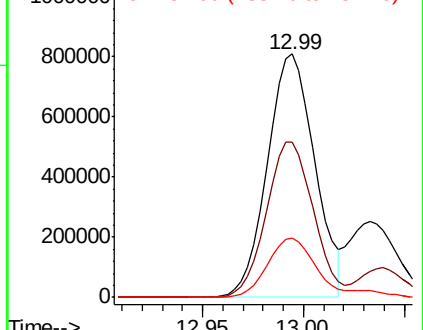
134 24.6 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.58 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050507.D

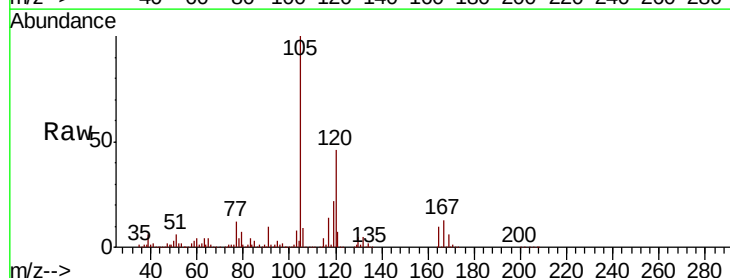
Acq: 10 Aug 2018 10:36

Tgt Ion:105 Resp: 1606746

Ion Ratio Lower Upper

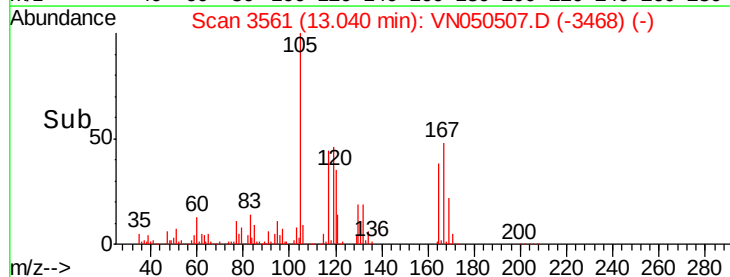
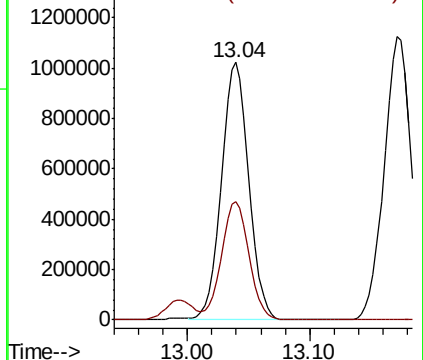
105 100

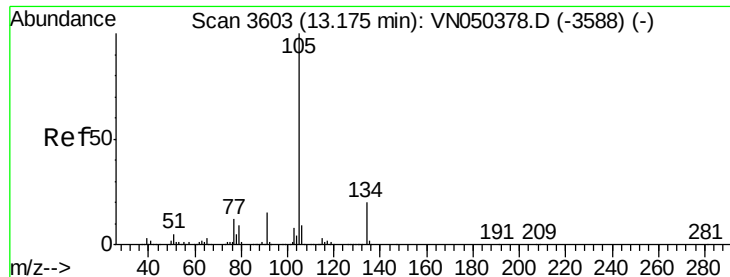
120 46.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.18 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

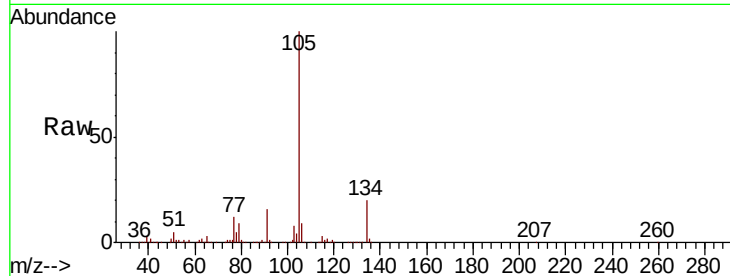
VSTDCCC050

Tot Ion:105 Resp: 1763376

Ion Ratio Lower Upper

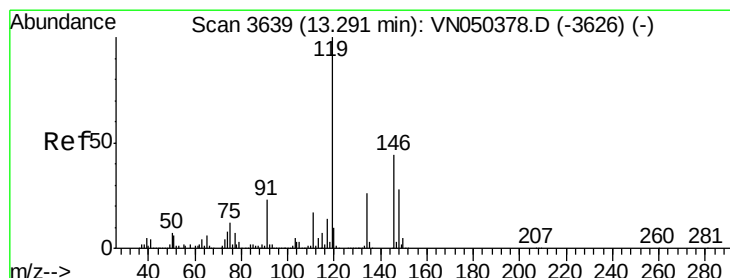
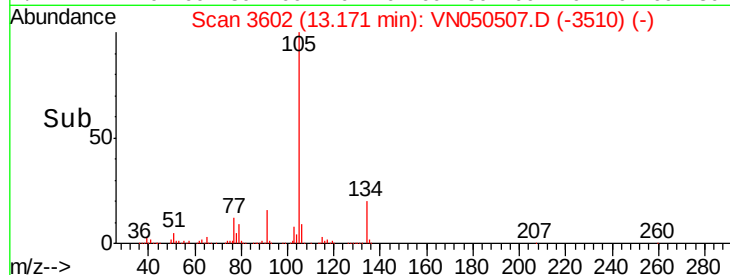
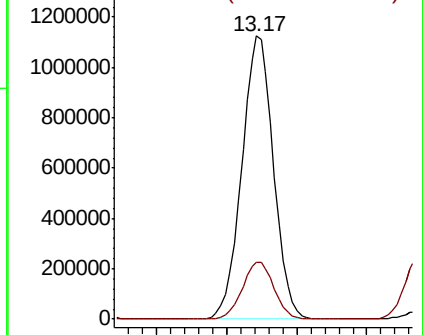
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.05 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

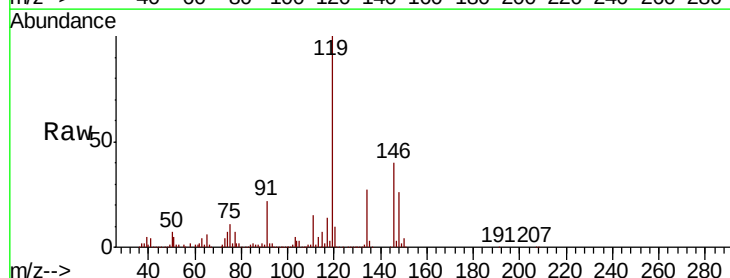
Tgt Ion:119 Resp: 1565337

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

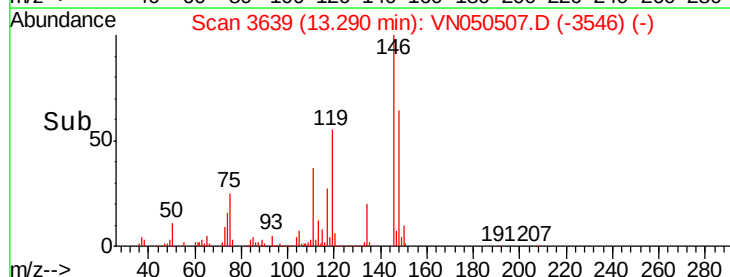
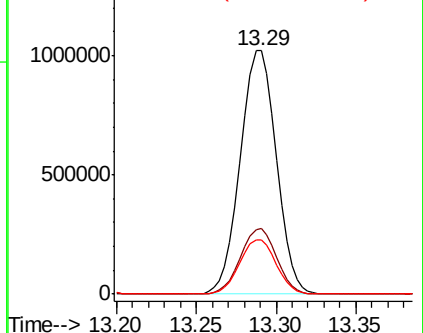
91 22.4 11.4 34.2

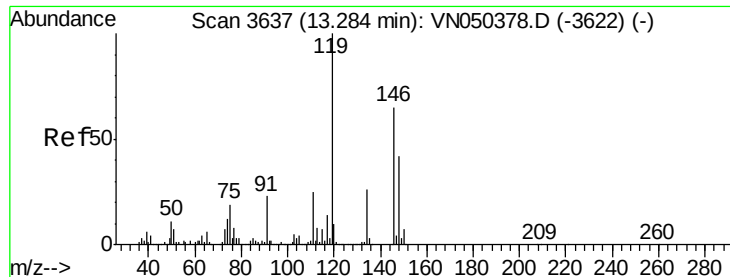


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

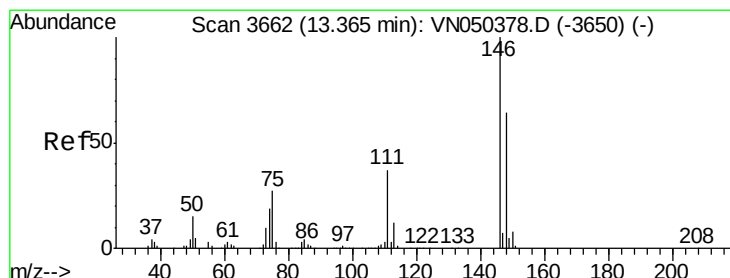
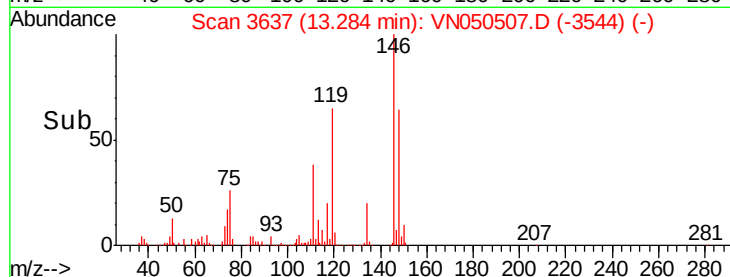
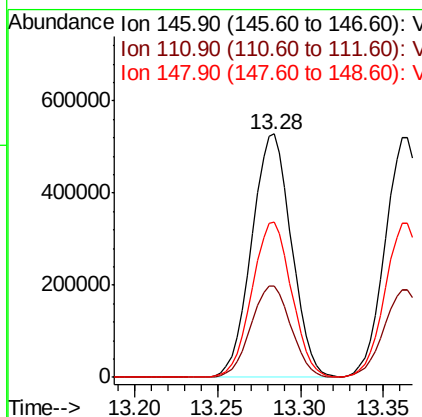
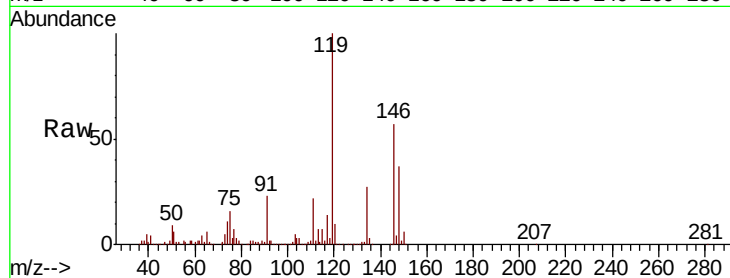




#87
 1,3-Dichlorobenzene
 Concen: 51.48 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

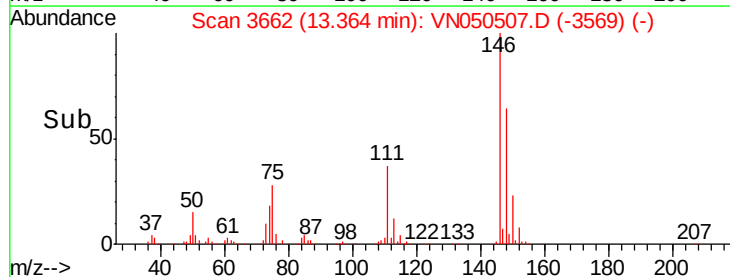
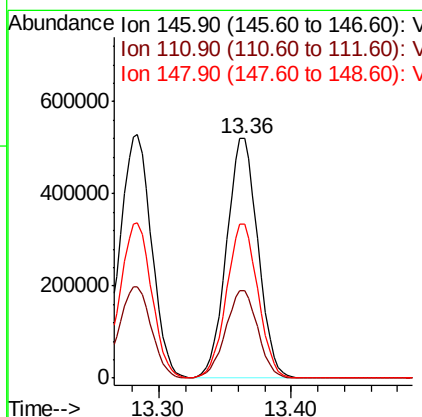
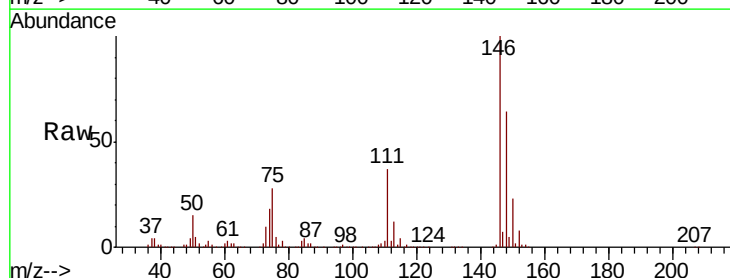
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

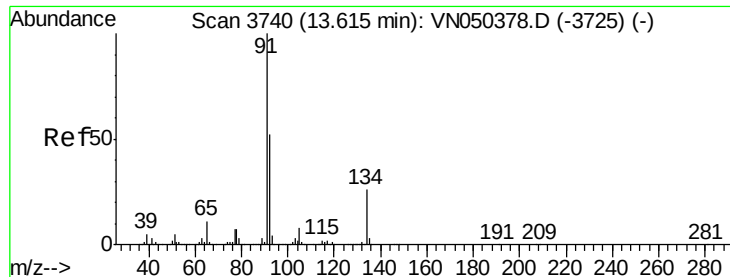
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	63.5	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.10 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 51.73 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

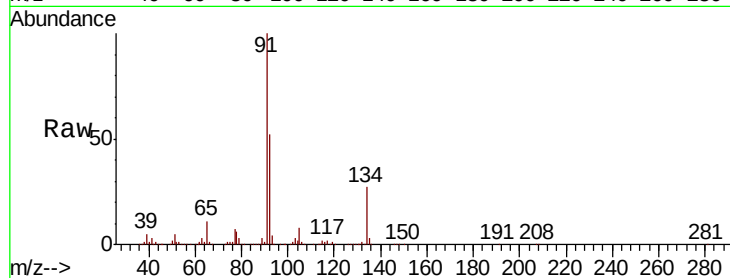
Tot Ion: 91 Resp: 1275413

Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.8	77.4
134	26.4	12.8	38.4

91 100

92 51.4 25.8 77.4

134 26.4 12.8 38.4

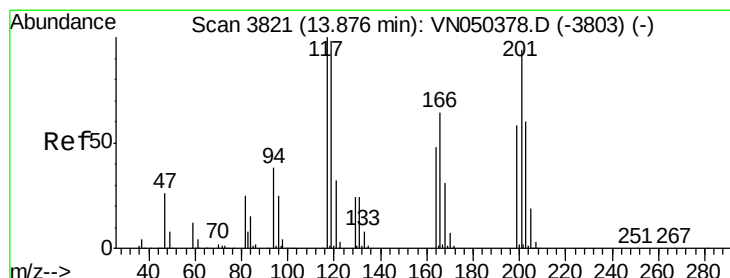
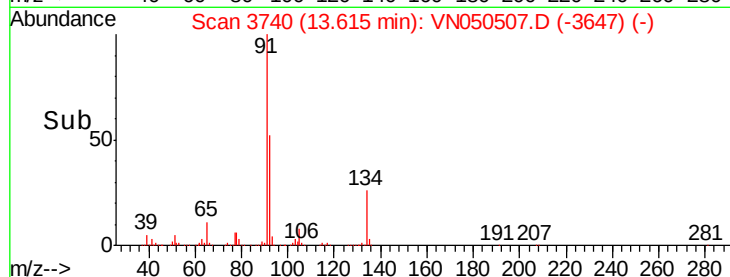
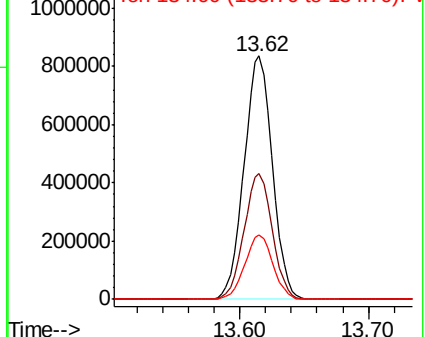


Abundance

Ion 91.00 (90.70 to 91.70): VN050507.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050507.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050507.D (-3647) (-)



#90

Hexachloroethane

Concen: 50.50 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050507.D

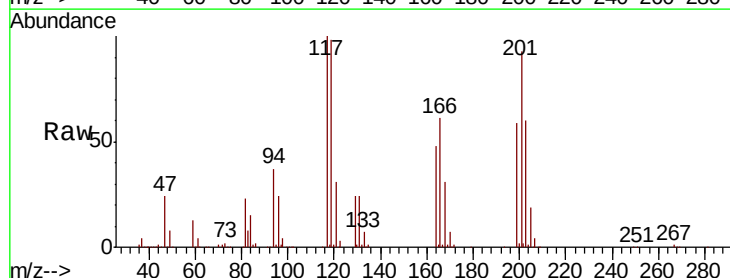
Acq: 10 Aug 2018 10:36

Tgt Ion: 117 Resp: 260046

Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.6	136.8

117 100

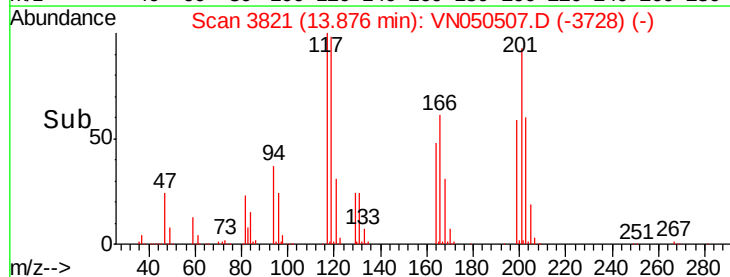
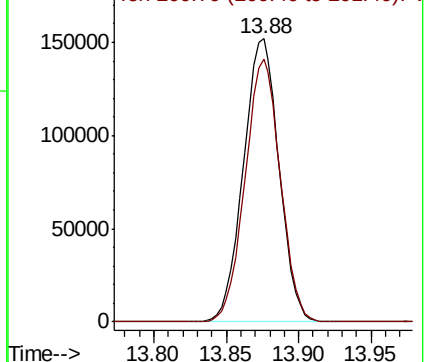
201 91.6 45.6 136.8

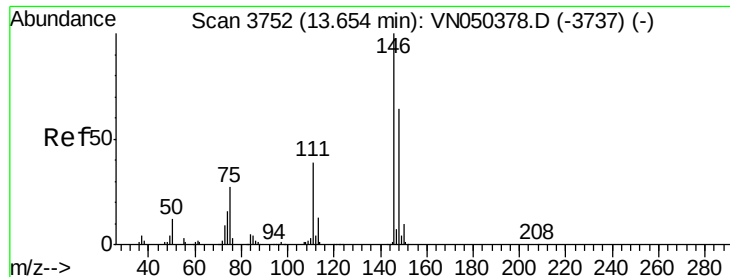


Abundance

Ion 116.80 (116.50 to 117.50): VN050507.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050507.D (-3728) (-)





#91

1,2-Dichlorobenzene

Concen: 49.58 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

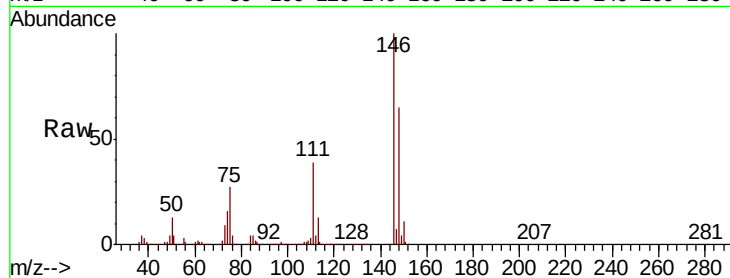
Tot Ion:146 Resp: 848969

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

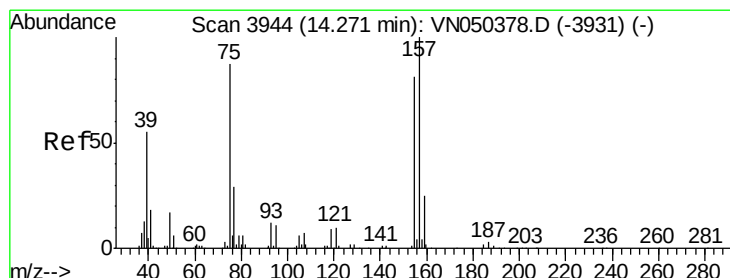
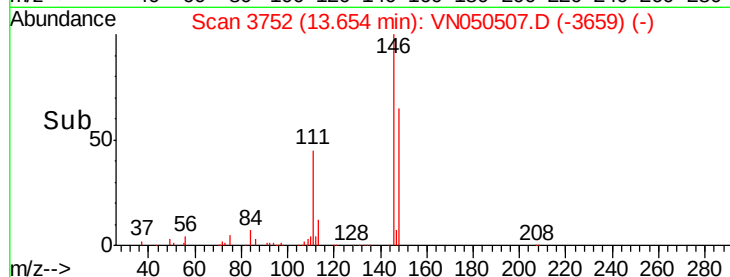
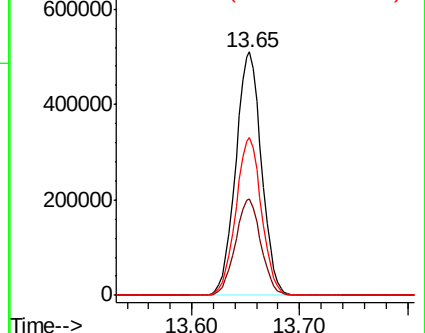
148 64.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 39.53 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

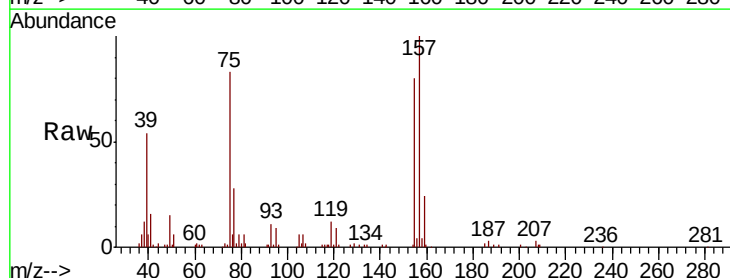
Tgt Ion: 75 Resp: 69320

Ion Ratio Lower Upper

75 100

155 94.9 44.8 134.4

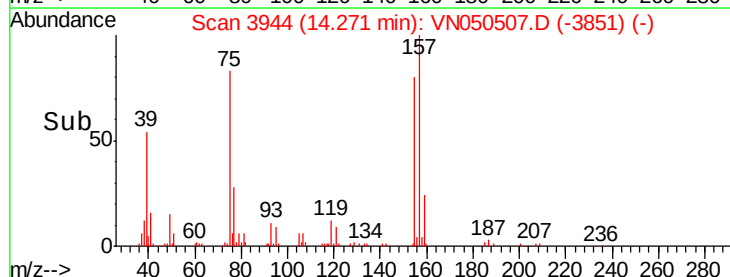
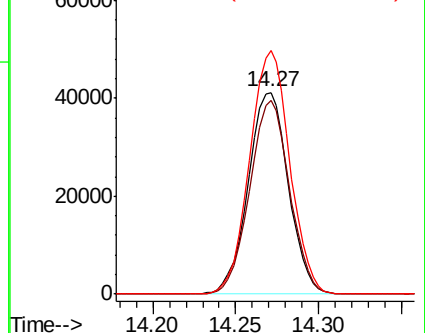
157 120.3 57.2 171.6

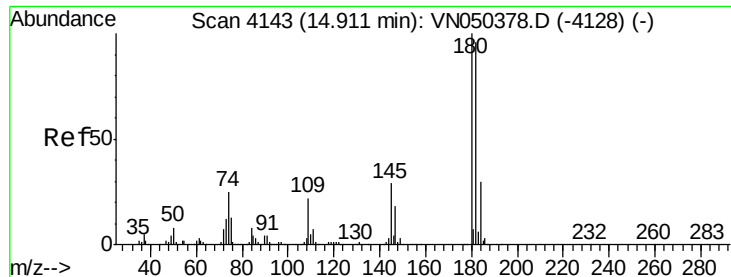


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

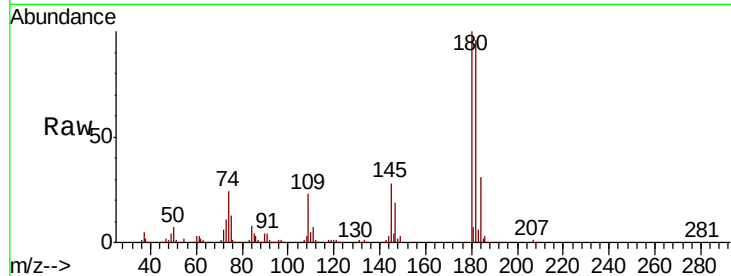




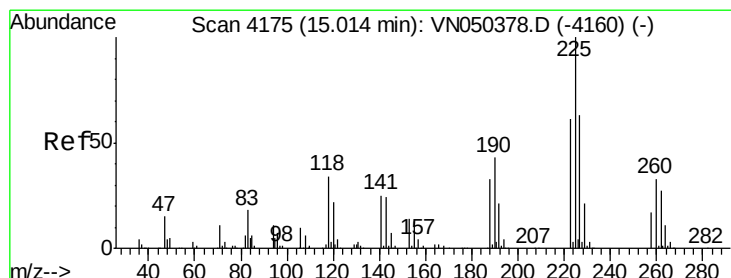
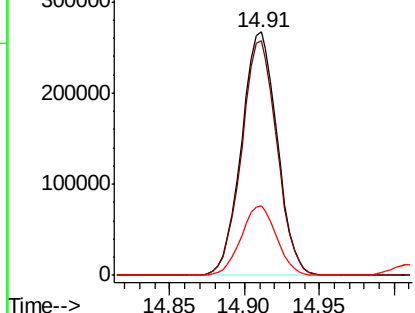
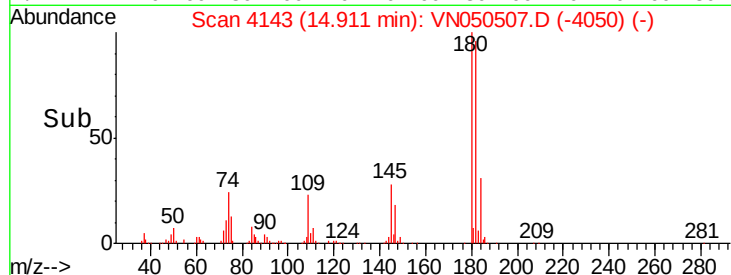
#93
 1,2,4-Trichlorobenzene
 Concen: 50.67 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 441948
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.7 140.1
 145 28.4 13.8 41.4

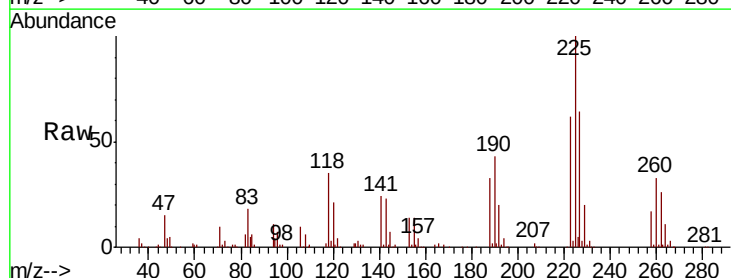


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

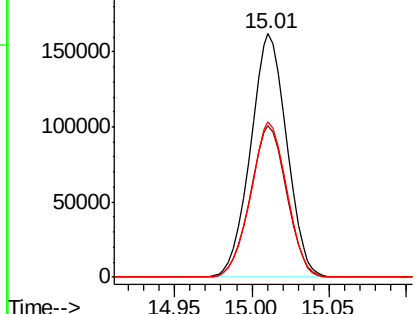
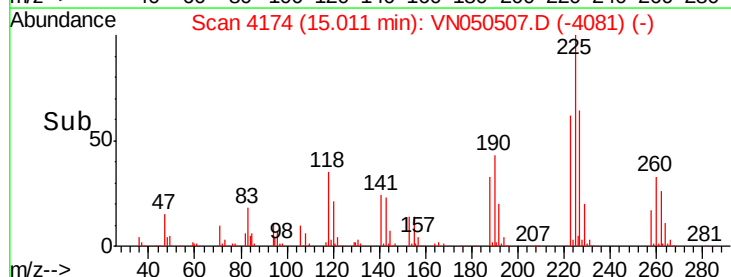


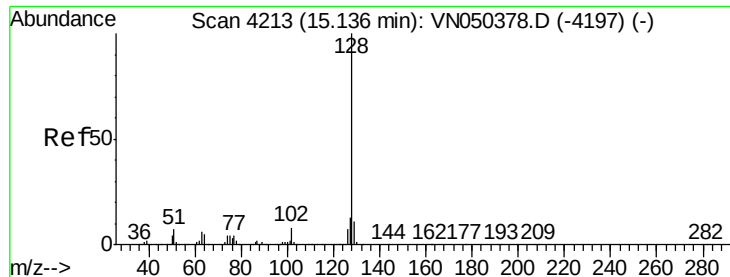
#94
 Hexachlorobutadiene
 Concen: 55.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050507.D
 Acq: 10 Aug 2018 10:36

Tgt Ion:225 Resp: 263901
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 63.6 32.1 96.5



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





#95

Naphthalene

Concen: 41.55 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

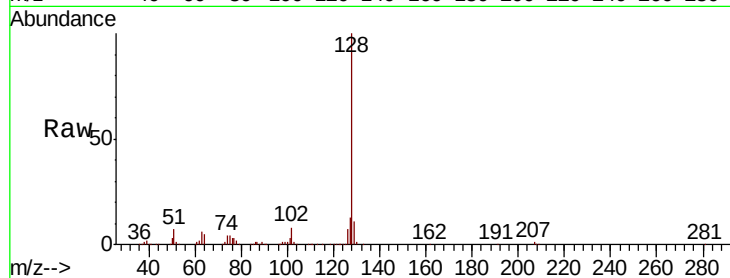
Tot Ion:128 Resp: 944277

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

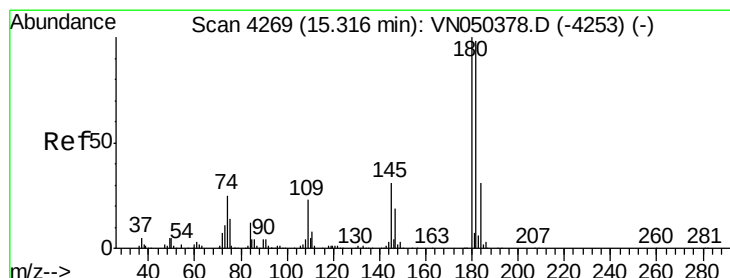
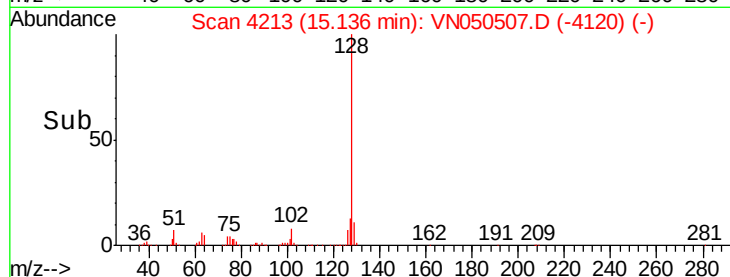
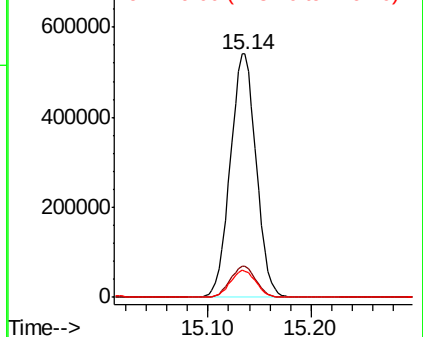
129 11.0 8.8 13.2



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: 48.43 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050507.D

Acq: 10 Aug 2018 10:36

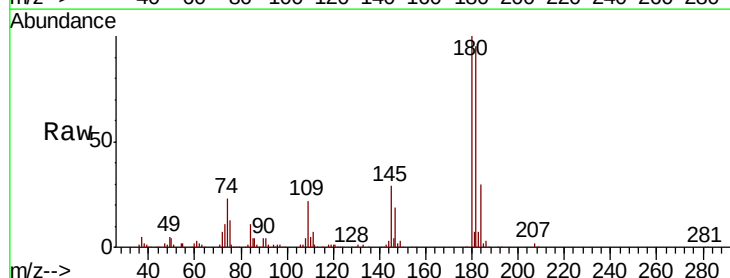
Tgt Ion:180 Resp: 427065

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 29.9 15.3 45.9



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

