

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050233.D
 Acq On : 1 Aug 2018 8:09
 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 02 00:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	477037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424531	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.59	113	384333	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.09	98	1432410	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	501384	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	433704	45.83	ug/l	99
3) Chloromethane	2.06	50	446018	43.36	ug/l	99
4) Vinyl Chloride	2.18	62	455332	42.03	ug/l	99
5) Bromomethane	2.55	94	231577	38.26	ug/l	98
6) Chloroethane	2.70	64	269457	41.42	ug/l	100
7) Trichlorofluoromethane	3.01	101	610224	43.49	ug/l	100
8) Diethyl Ether	3.41	74	209841	44.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	386027	45.75	ug/l	99
10) Methyl Iodide	3.95	142	269264	24.86	ug/l	99
11) Tert butyl alcohol	4.79	59	145020	214.49	ug/l	100
12) 1,1-Dichloroethene	3.73	96	331113	43.62	ug/l	97
13) Acrolein	3.61	56	65696	120.94	ug/l	98
14) Allyl chloride	4.32	41	539322	45.82	ug/l	99
15) Acrylonitrile	4.99	53	675950	229.15	ug/l	98
16) Acetone	3.82	43	580586	268.56	ug/l	99
17) Carbon Disulfide	4.05	76	928293	39.92	ug/l	100
18) Methyl Acetate	4.33	43	451082	53.70	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	954636	47.19	ug/l	99
20) Methylene Chloride	4.55	84	396750	48.66	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	361167	44.90	ug/l	99
22) Diisopropyl ether	5.95	45	1167143	50.01	ug/l	99
23) Vinyl Acetate	5.90	43	3796951	230.22	ug/l	99
24) 1,1-Dichloroethane	5.85	63	688161	45.09	ug/l	99
25) 2-Butanone	6.84	43	843489	240.66	ug/l	99
26) 2,2-Dichloropropane	6.82	77	579530	49.92	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	406708	46.97	ug/l	98
28) Bromochloromethane	7.20	49	325596	46.78	ug/l	100
29) Tetrahydrofuran	7.21	42	510779	225.52	ug/l	99
30) Chloroform	7.37	83	703273	45.16	ug/l	99
31) Cyclohexane	7.65	56	570203	45.05	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	601808	45.18	ug/l	100
36) 1,1-Dichloropropene	7.79	75	524344	49.97	ug/l	99
37) Ethyl Acetate	6.93	43	336736	46.02	ug/l	99
38) Carbon Tetrachloride	7.77	117	534966	48.04	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	562136	52.07	ug/l	98
40) Benzene	8.04	78	1574448	49.30	ug/l	99
41) Methacrylonitrile	7.17	41	153019	40.70	ug/l	97
42) 1,2-Dichloroethane	8.12	62	503280	47.24	ug/l	100
43) Isopropyl Acetate	8.17	43	636562	46.08	ug/l	99
44) Trichloroethene	8.84	130	411065	47.91	ug/l	100
45) 1,2-Dichloropropane	9.12	63	421463	49.83	ug/l	100
46) Dibromomethane	9.21	93	255795	48.71	ug/l	99
47) Bromodichloromethane	9.40	83	548083	49.45	ug/l	98
48) Methyl methacrylate	9.20	41	312919	49.66	ug/l	98
49) 1,4-Dioxane	9.20	88	88900	1036.70	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1804602	250.90	ug/l	100
52) Toluene	10.16	92	985328	52.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	559607	53.50	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	628859	52.61	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	372049	49.76	ug/l	99
56) Ethyl methacrylate	10.43	69	472439	46.78	ug/l	98
57) 1,3-Dichloropropane	10.71	76	615268	50.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1029273	218.63	ug/l	100
59) 2-Hexanone	10.75	43	1285646	243.39	ug/l	99
60) Dibromochloromethane	10.90	129	426312	51.50	ug/l	100
61) 1,2-Dibromoethane	11.01	107	366975	49.47	ug/l	99
64) Tetrachloroethene	10.63	164	385598	46.32	ug/l	99
65) Chlorobenzene	11.43	112	1083750	49.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	413951	49.26	ug/l	100
67) Ethyl Benzene	11.51	91	1872671	53.30	ug/l	100
68) m/p-Xylenes	11.62	106	1454312	109.43	ug/l	100
69) o-Xylene	11.95	106	691177	54.56	ug/l	100
70) Styrene	11.97	104	1147162	50.90	ug/l	100
71) Bromoform	12.13	173	303788	49.69	ug/l #	99
73) Isopropylbenzene	12.25	105	1868115	50.49	ug/l	100
74) N-amyl acetate	12.07	43	534002	47.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	490361	49.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	599962	67.67	ug/l #	100
77) Bromobenzene	12.53	156	485527	47.35	ug/l	99
78) n-propylbenzene	12.59	91	2199025	53.18	ug/l	100
79) 2-Chlorotoluene	12.68	91	1292456	50.43	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1556405	53.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137092	49.05	ug/l	98
82) 4-Chlorotoluene	12.77	91	1321966	52.08	ug/l	99
83) tert-Butylbenzene	12.99	119	1349334	53.13	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1584719	54.03	ug/l	100
85) sec-Butylbenzene	13.17	105	1823989	53.75	ug/l	100
86) p-Isopropyltoluene	13.29	119	1598744	55.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	862821	49.64	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	840375	49.60	ug/l	99
89) n-Butylbenzene	13.62	91	1313147	55.85	ug/l	99
90) Hexachloroethane	13.88	117	297803	46.91	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	839527	48.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74246	44.96	ug/l	97

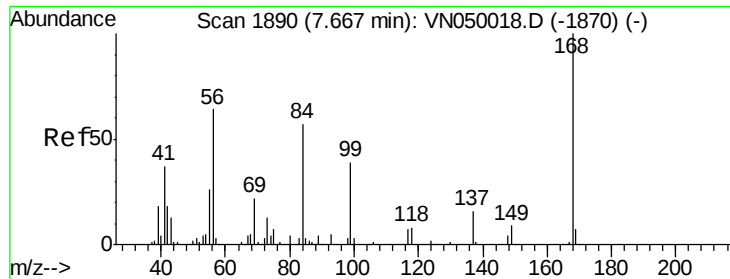
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	422891	46.14	ug/l	97
94) Hexachlorobutadiene	15.01	225	267450	50.28	ug/l	98
95) Naphthalene	15.14	128	892507	41.76	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	421379	47.08	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

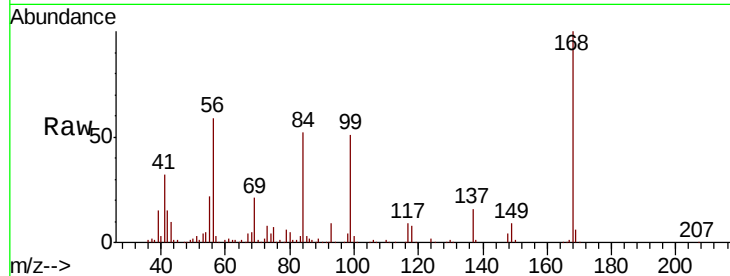
VSTDCCC050

Tot Ion:168 Resp: 658598

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

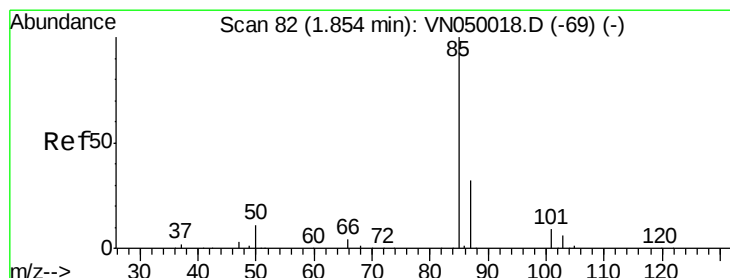
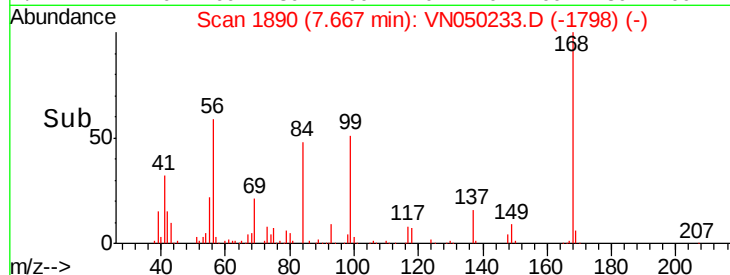
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.83 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050233.D

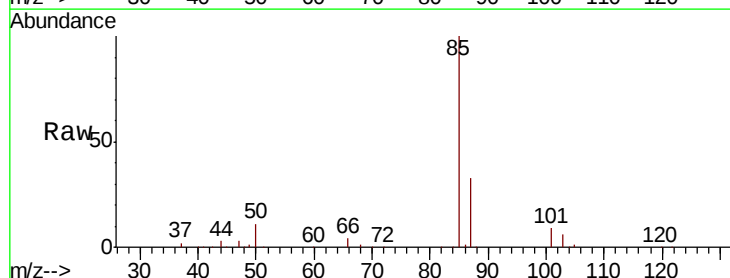
Acq: 1 Aug 2018 8:09

Tgt Ion: 85 Resp: 433704

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

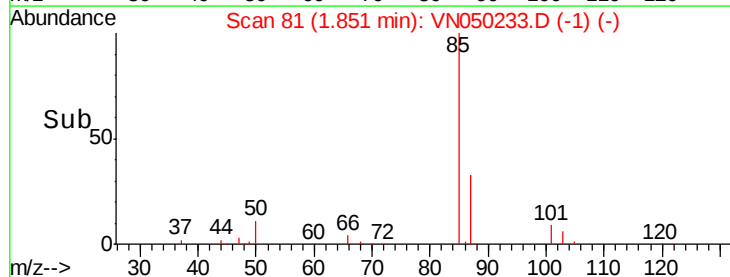
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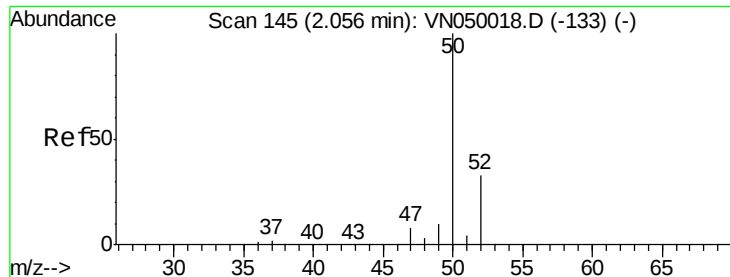
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0

1.80 1.90 2.00

Time-->

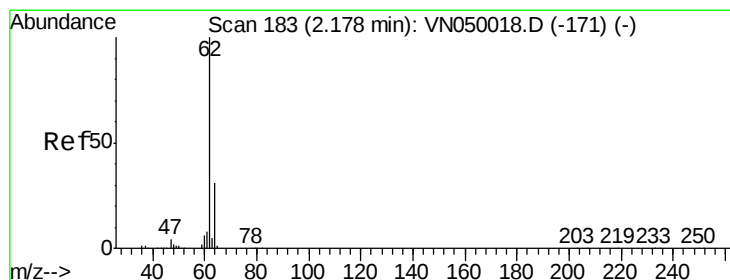
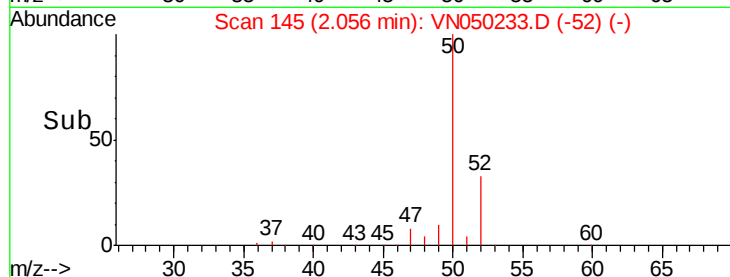
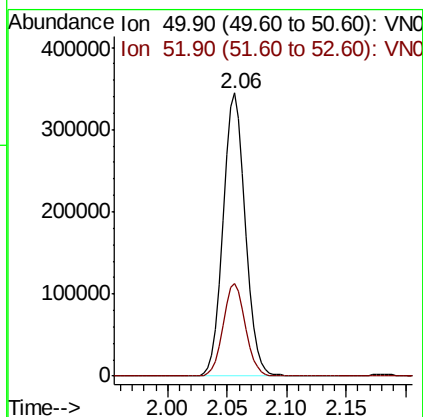
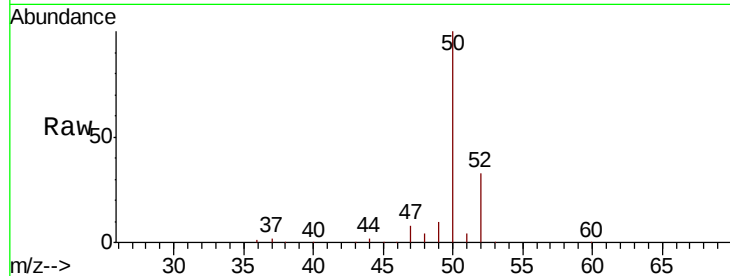




#3
Chloromethane
Concen: 43.36 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

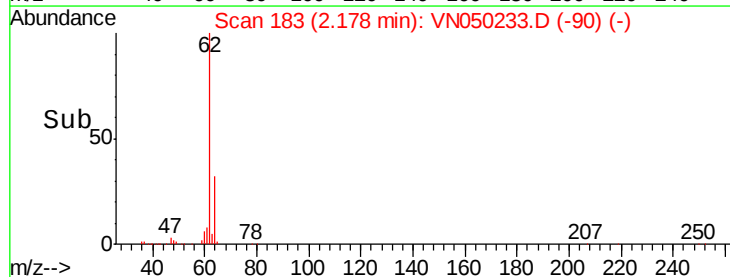
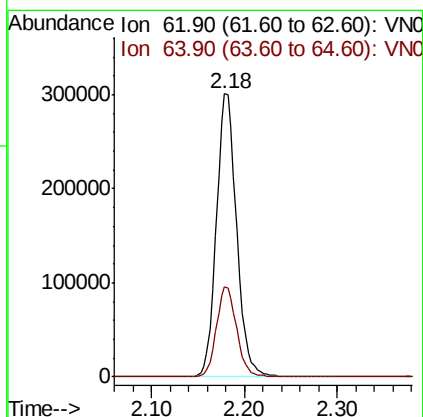
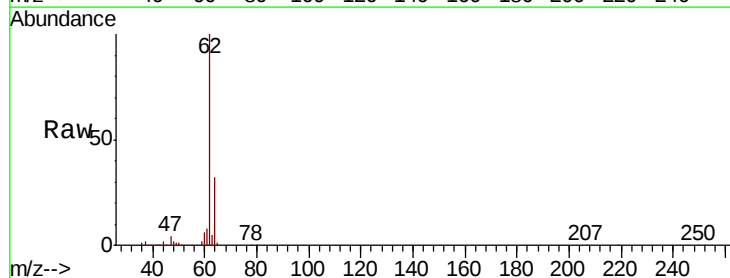
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

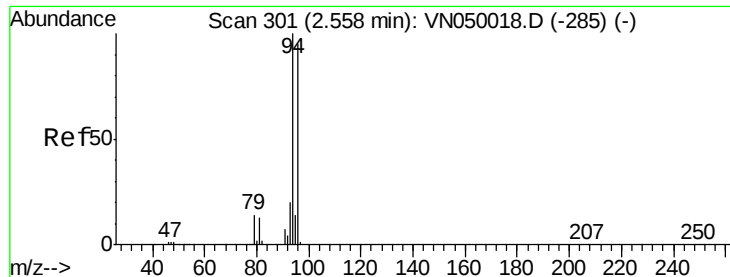
Tot Ion: 50 Resp: 446018
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9



#4
Vinyl Chloride
Concen: 42.03 ug/l
RT: 2.18 min Scan# 183
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 62 Resp: 455332
Ion Ratio Lower Upper
62 100
64 31.7 24.7 37.1





#5

Bromomethane

Concen: 38.26 ug/l

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

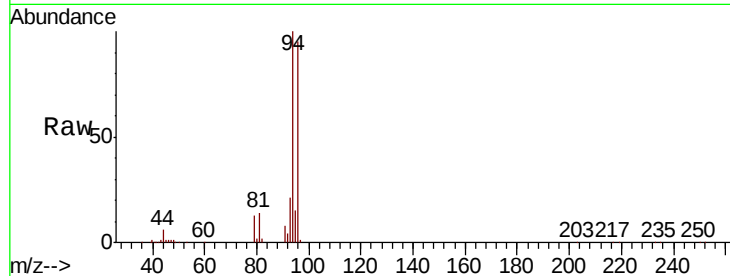
VSTDCCC050

Tot Ion: 94 Resp: 231577

Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

120000

100000

80000

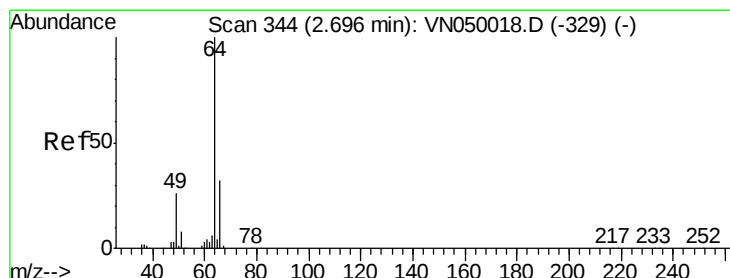
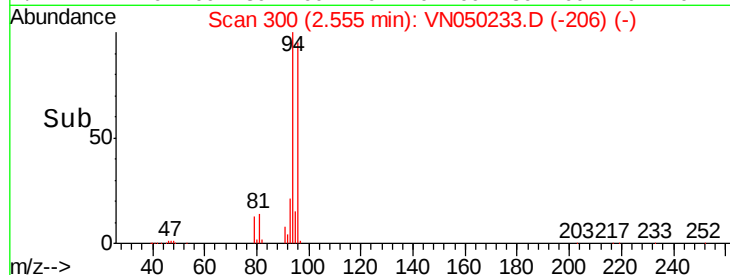
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.42 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050233.D

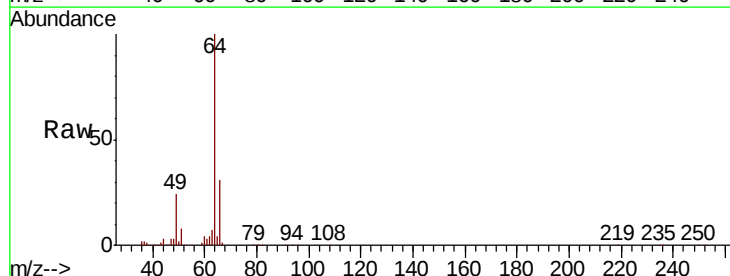
Acq: 1 Aug 2018 8:09

Tgt Ion: 64 Resp: 269457

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

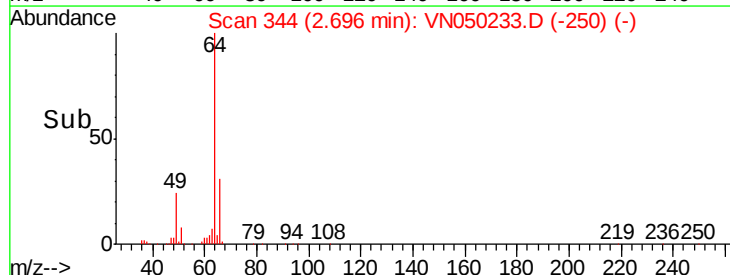
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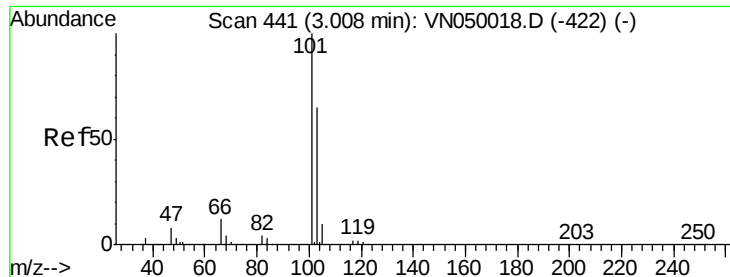
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Time-->



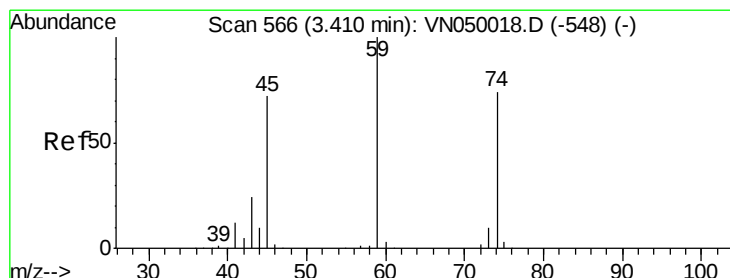
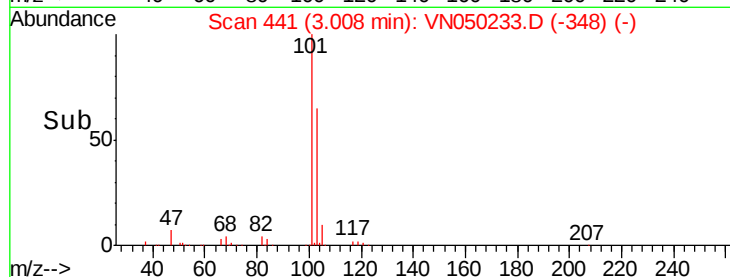
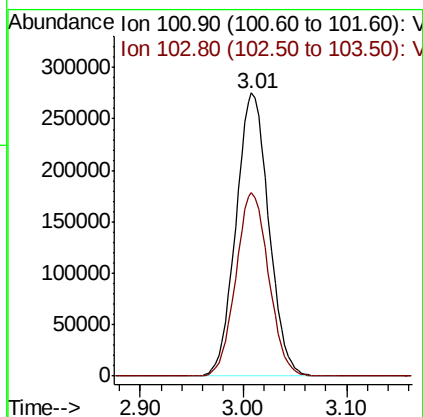
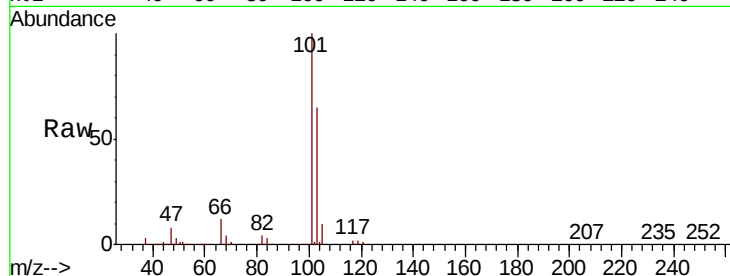


#7

Trichlorofluoromethane
 Concen: 43.49 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

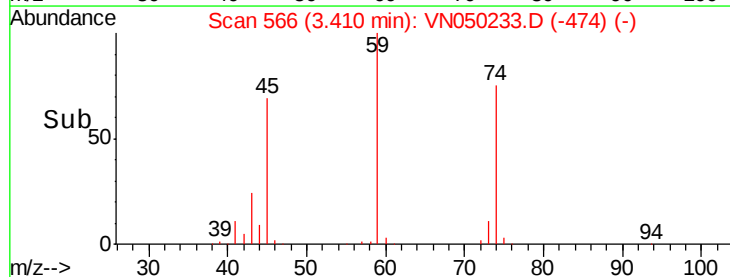
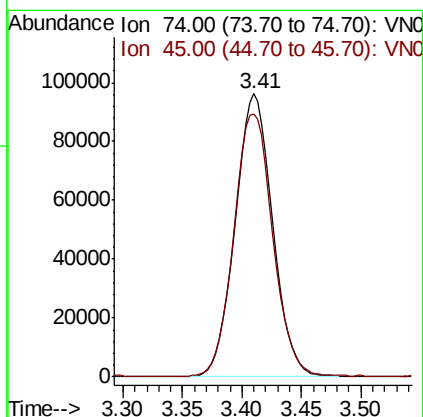
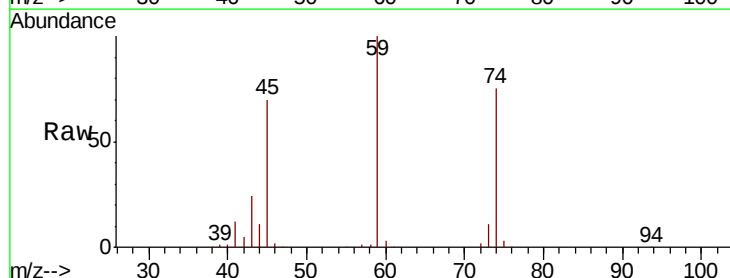
Tot Ion:101 Resp: 610224
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.7 77.5

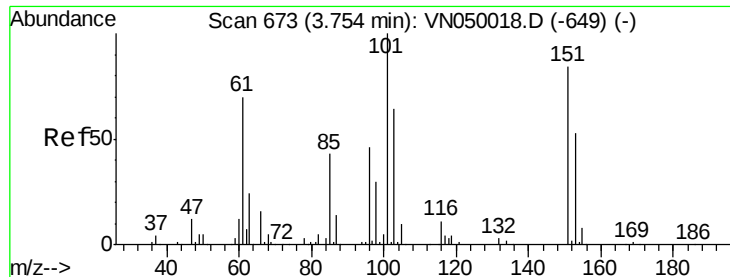


#8

Diethyl Ether
 Concen: 44.86 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 74 Resp: 209841
 Ion Ratio Lower Upper
 74 100
 45 96.1 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.75 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

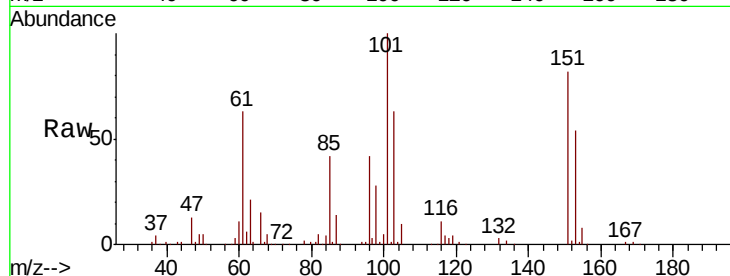
Tot Ion:101 Resp: 386027

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

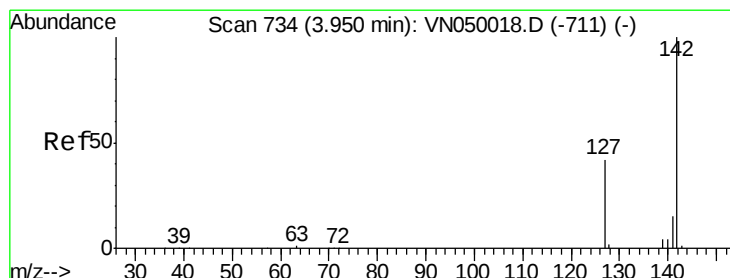
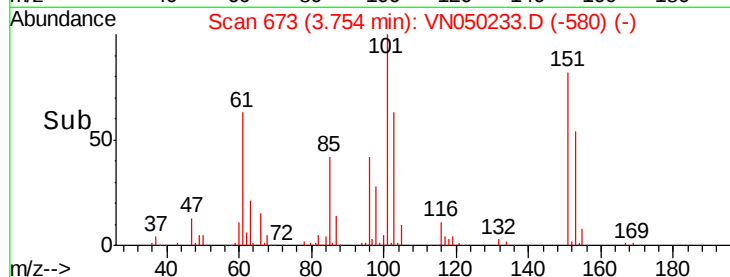
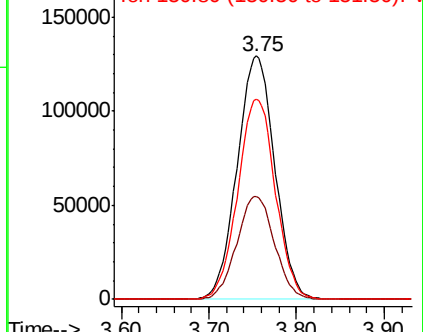
151 82.1 66.3 99.5



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: 24.86 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

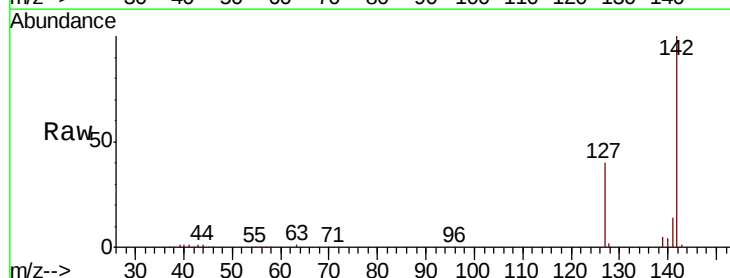
Tgt Ion:142 Resp: 269264

Ion Ratio Lower Upper

142 100

127 40.9 33.4 50.2

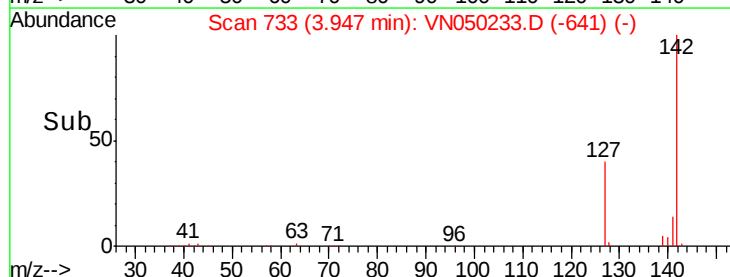
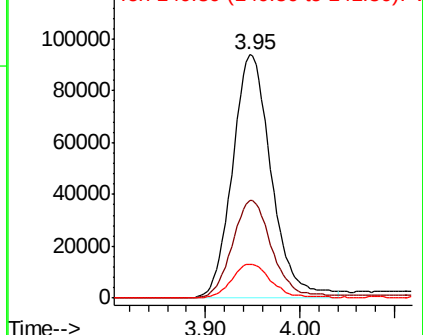
141 14.0 11.6 17.4

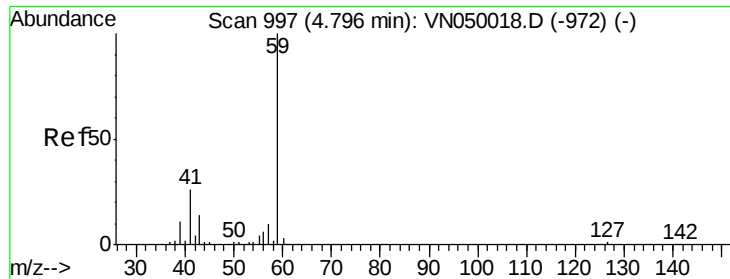


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

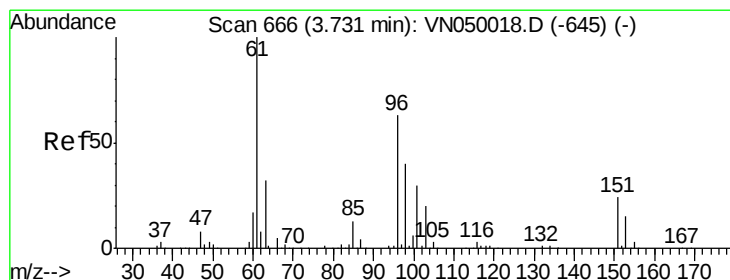
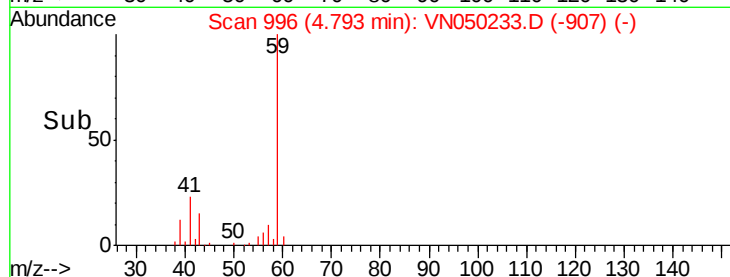
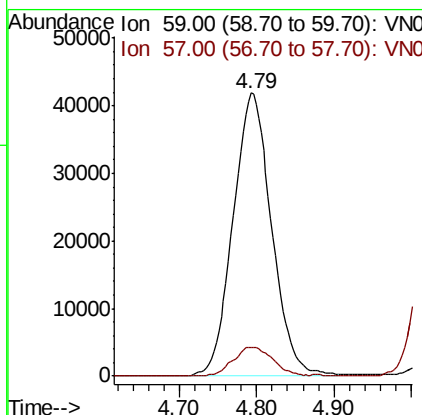
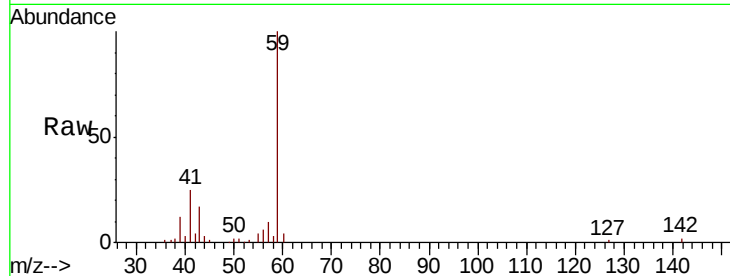




#11
Tert butyl alcohol
Concen: 214.49 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

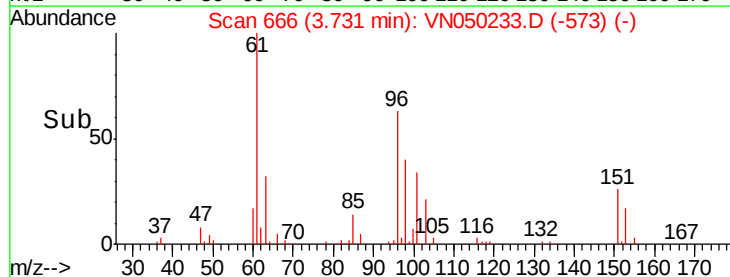
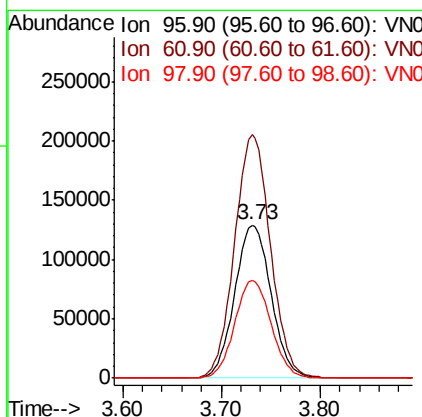
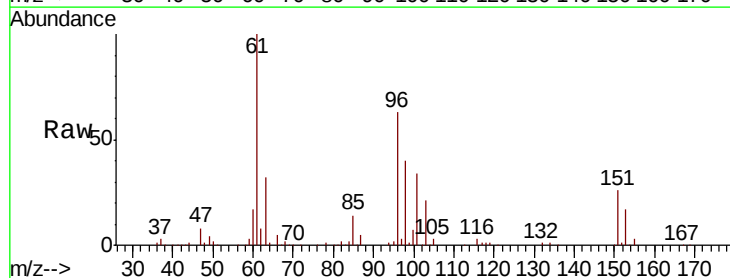
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

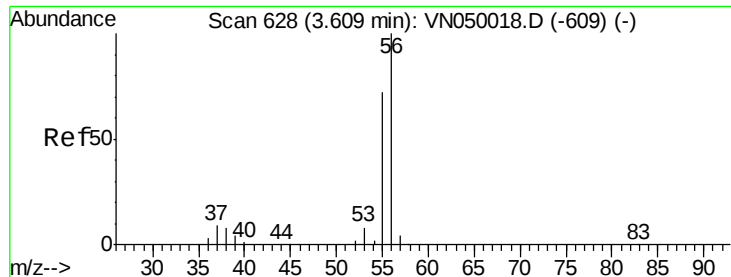
Tot Ion: 59 Resp: 145020
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 43.62 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 96 Resp: 331113
Ion Ratio Lower Upper
96 100
61 158.8 124.4 186.6
98 63.8 48.3 72.5





#13

Acrolein

Concen: 120.94 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

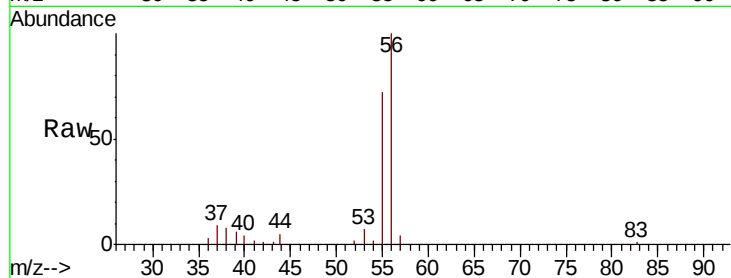
VSTDCCC050

Tot Ion: 56 Resp: 65696

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

10000

5000

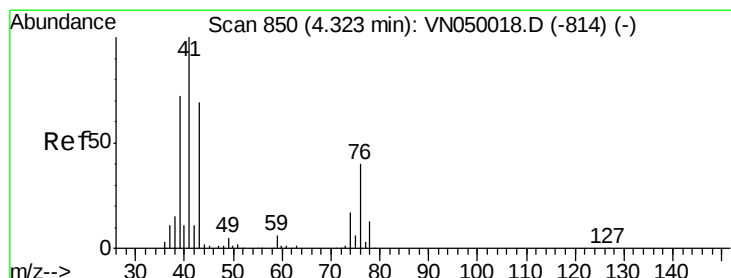
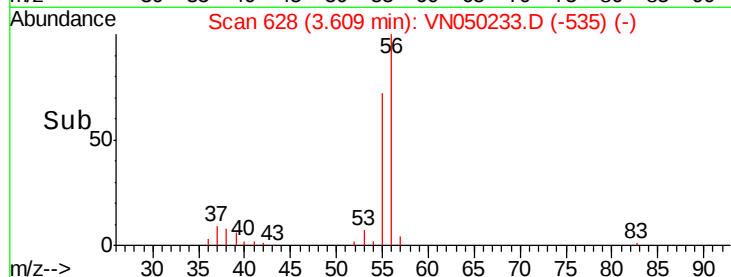
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 45.82 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

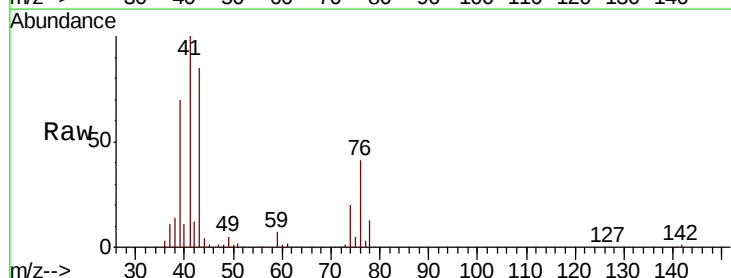
Tgt Ion: 41 Resp: 539322

Ion Ratio Lower Upper

41 100

39 66.3 54.2 81.4

76 36.4 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

200000

150000

100000

50000

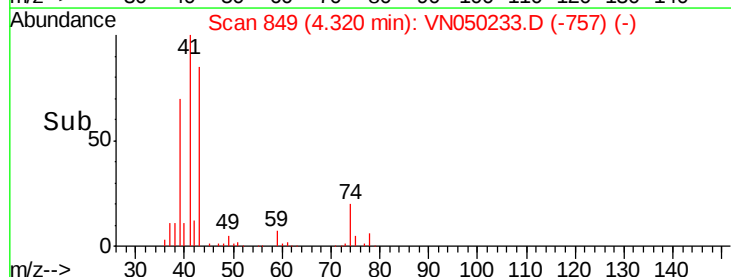
0

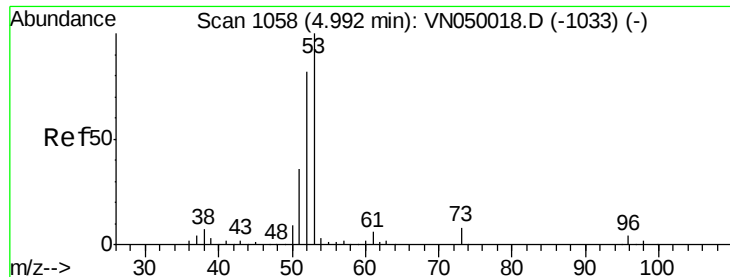
Time-->

4.20

4.30

4.40

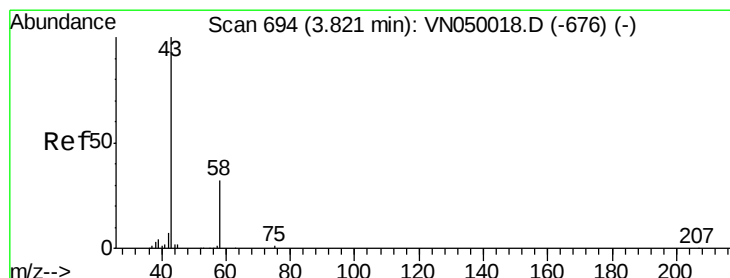
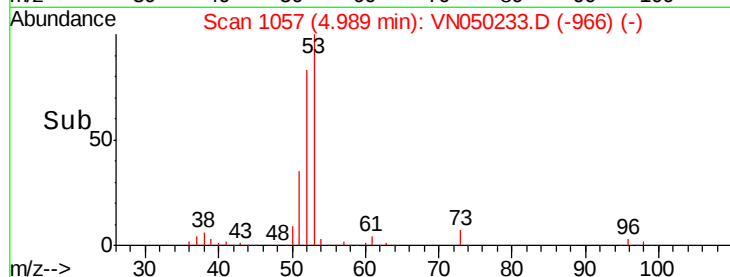
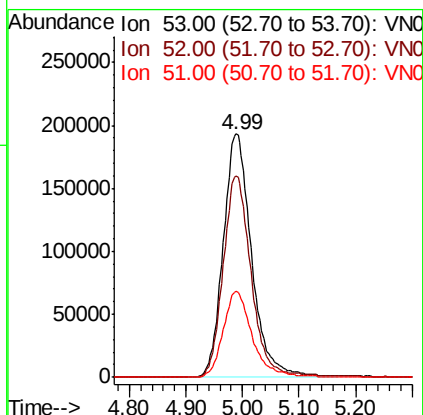
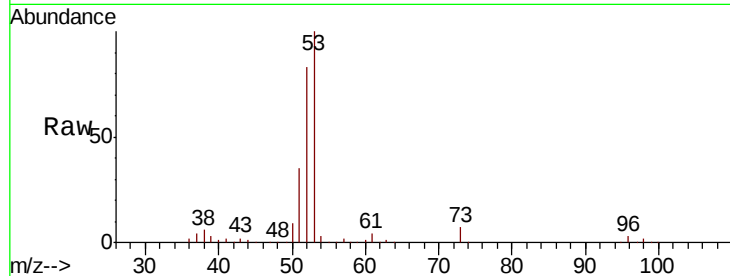




#15
 Acrylonitrile
 Concen: 229.15 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

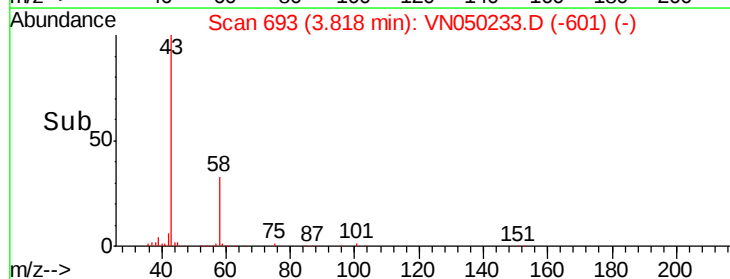
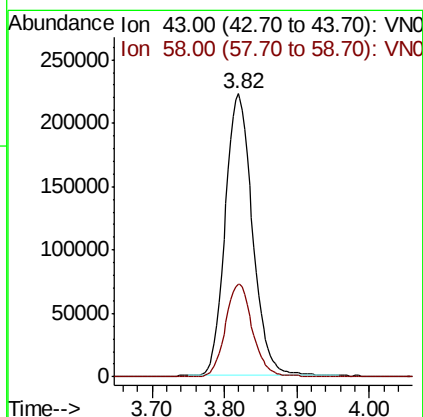
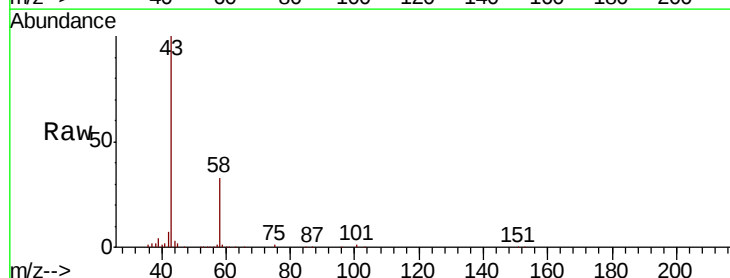
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

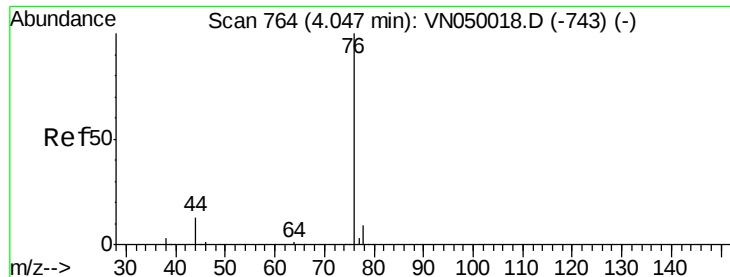
Tot Ion: 53 Resp: 675950
 Ion Ratio Lower Upper
 53 100
 52 80.6 66.2 99.2
 51 36.2 29.3 43.9



#16
 Acetone
 Concen: 268.56 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 580586
 Ion Ratio Lower Upper
 43 100
 58 32.9 25.8 38.8

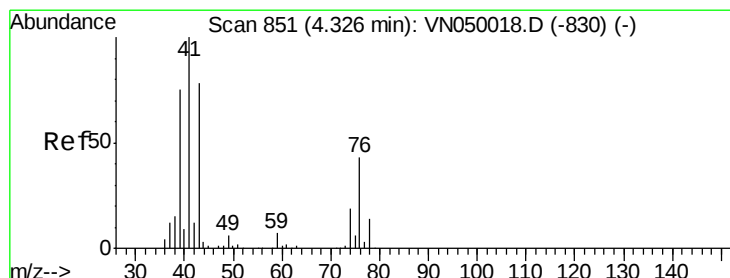
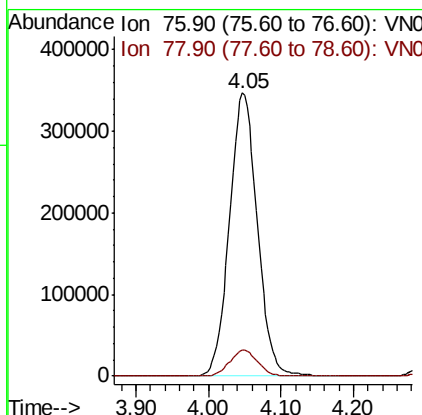
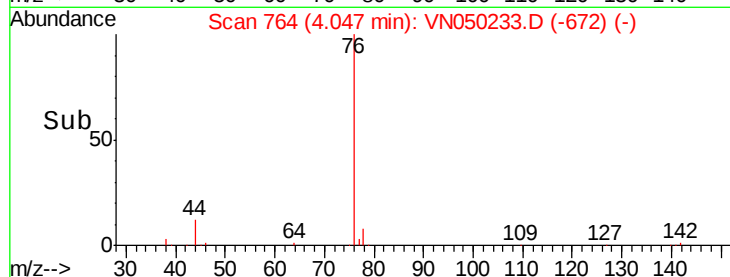
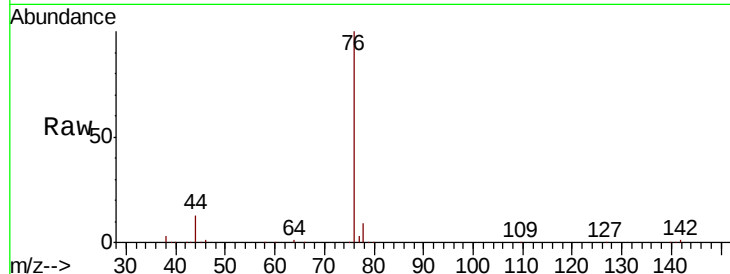




#17
Carbon Disulfide
Concen: 39.92 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

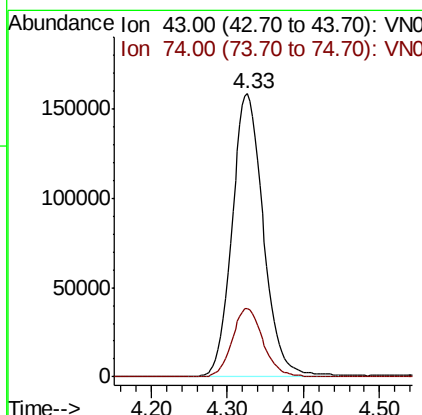
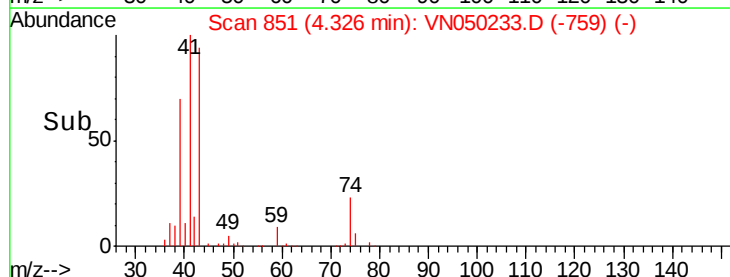
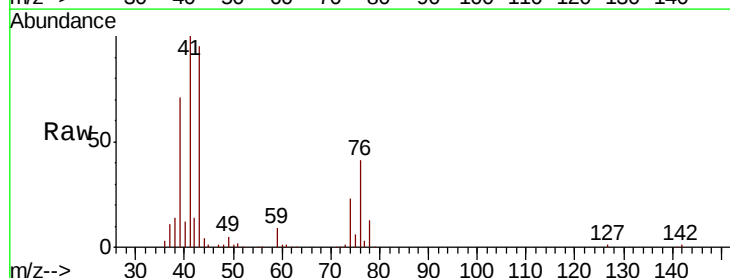
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

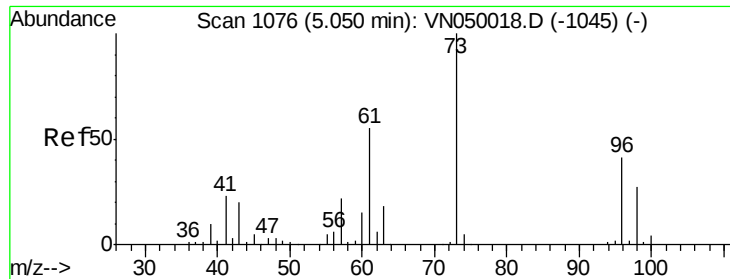
Tot Ion: 76 Resp: 928293
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 53.70 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 451082
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8

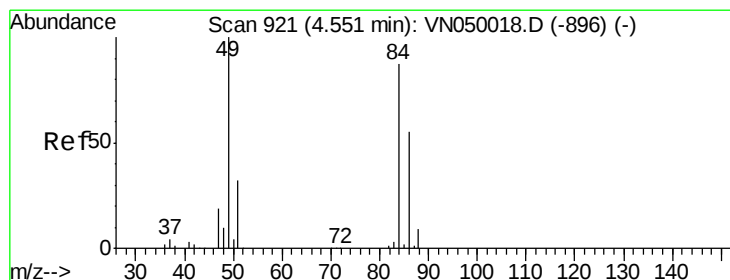
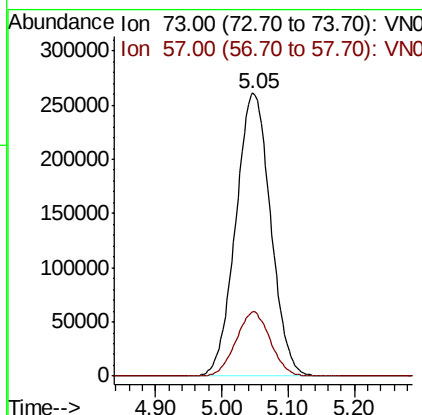
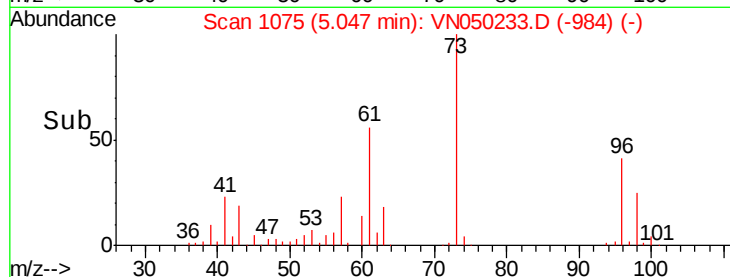
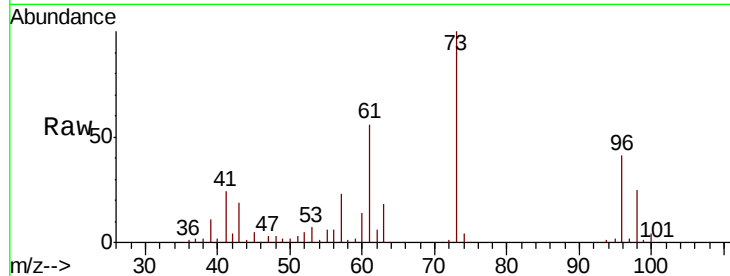




#19
Methyl tert-butyl Ether
Concen: 47.19 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

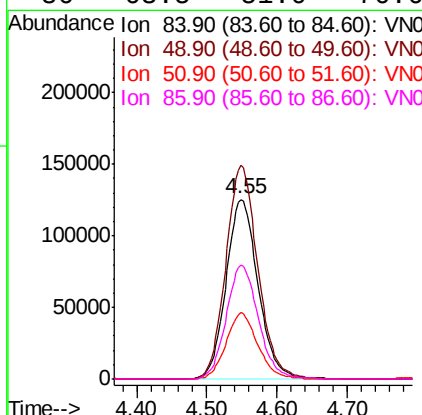
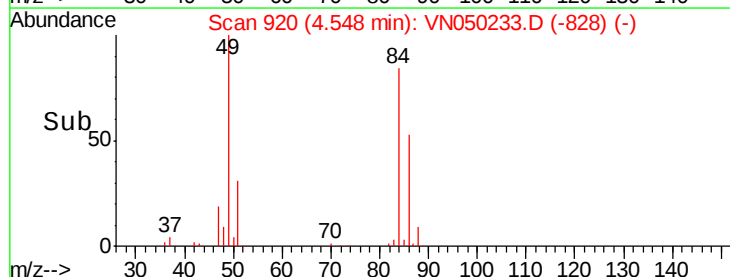
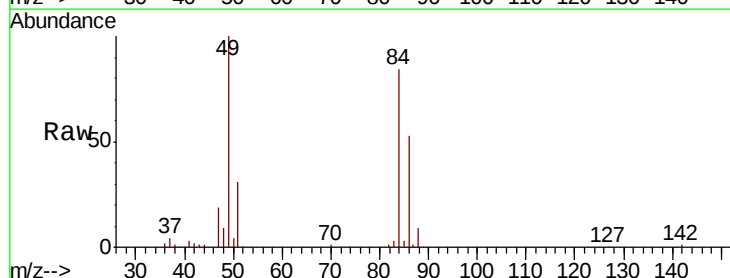
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

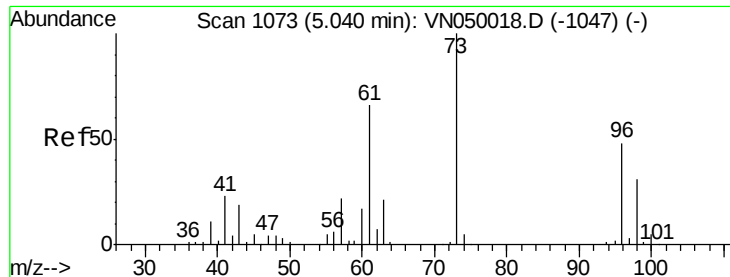
Tot Ion: 73 Resp: 954636
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0



#20
Methylene Chloride
Concen: 48.66 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 84 Resp: 396750
Ion Ratio Lower Upper
84 100
49 119.1 94.8 142.2
51 37.0 28.3 42.5
86 63.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.90 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

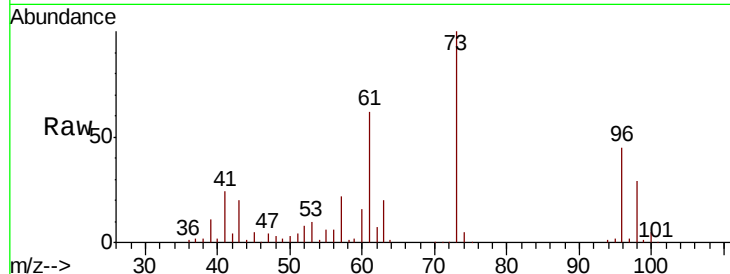
Tot Ion: 96 Resp: 361167

Ion Ratio Lower Upper

96 100

61 137.8 110.7 166.1

98 63.6 51.6 77.4

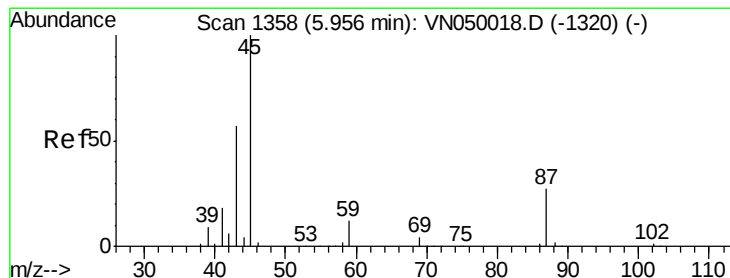
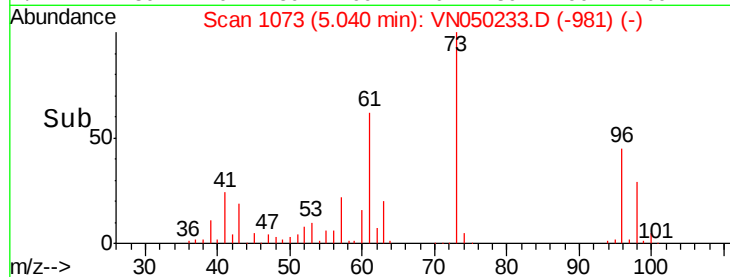
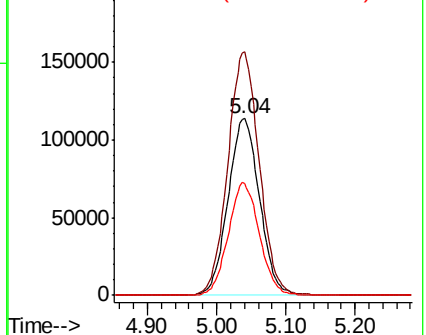


Abundance

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: 50.01 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion: 45 Resp: 1167143

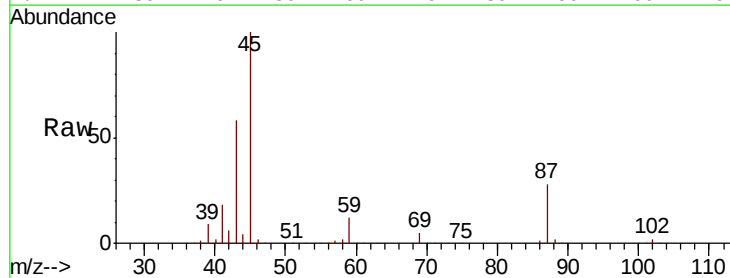
Ion Ratio Lower Upper

45 100

43 58.0 45.7 68.5

87 28.3 22.7 34.1

59 11.9 9.5 14.3



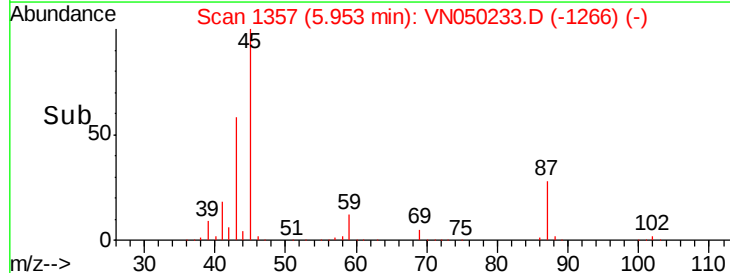
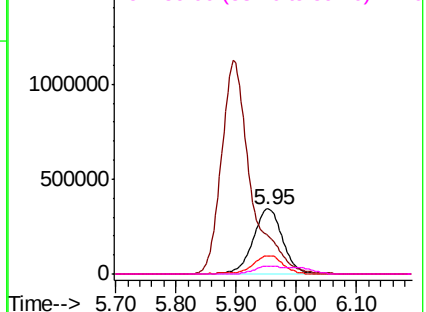
Abundance

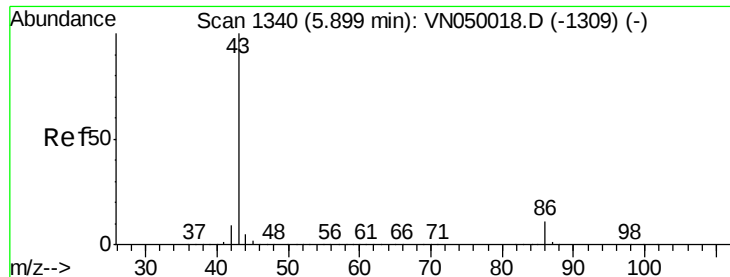
Ion 45.00 (44.70 to 45.70): VN0

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: 230.22 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

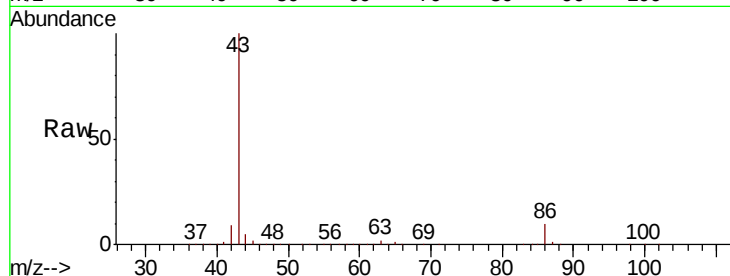
VSTDCCC050

Tot Ion: 43 Resp: 3796951

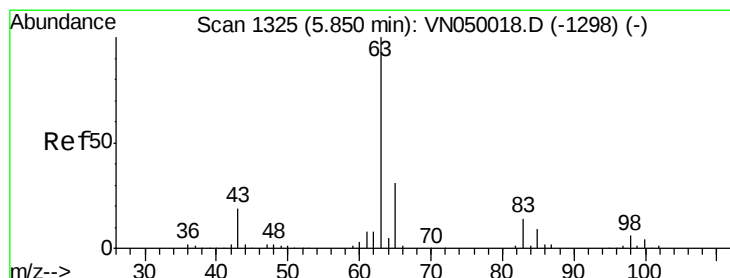
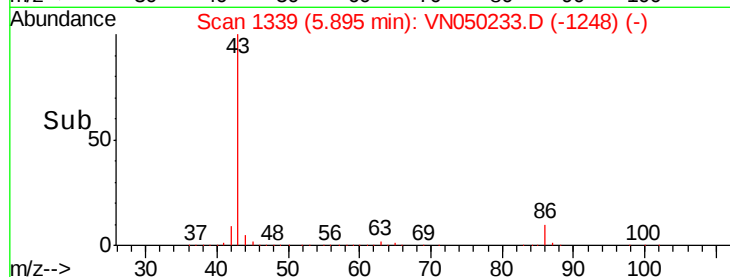
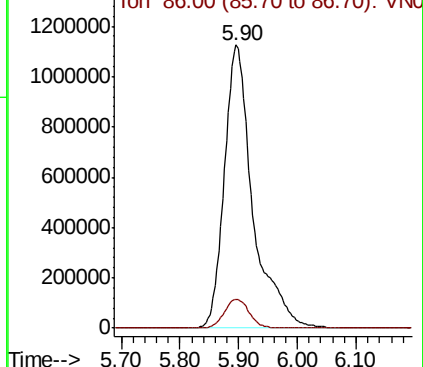
Ion Ratio Lower Upper

43 100

86 10.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1309) (-)



#24

1,1-Dichloroethane

Concen: 45.09 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

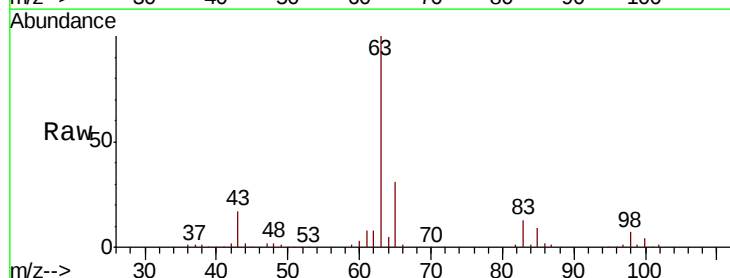
Tgt Ion: 63 Resp: 688161

Ion Ratio Lower Upper

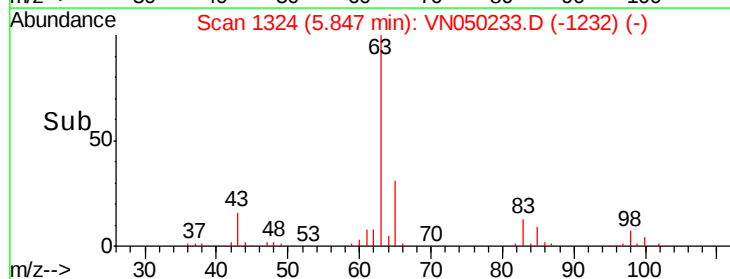
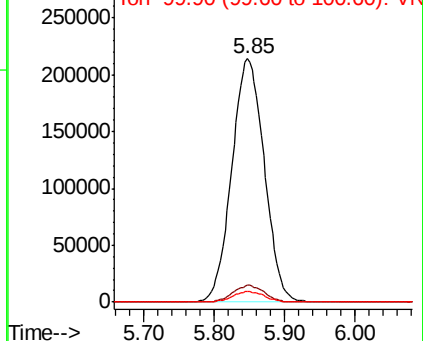
63 100

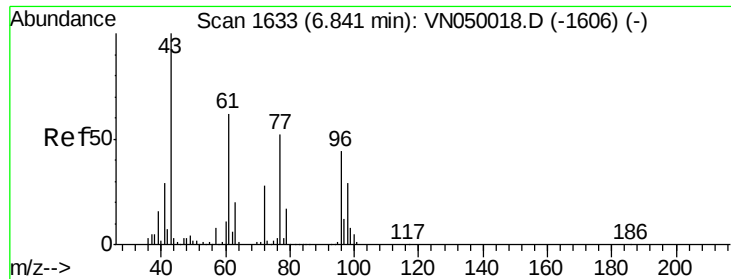
98 7.0 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-1298) (-)





#25

2-Butanone

Concen: 240.66 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

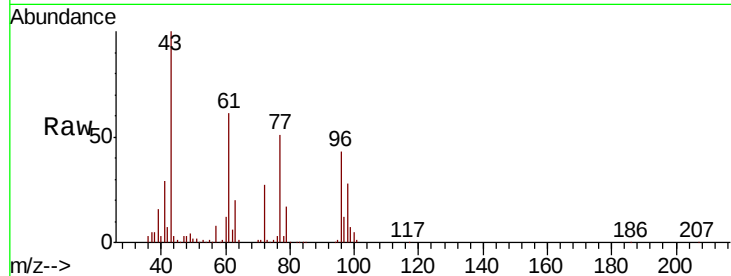
VSTDCCC050

Tot Ion: 43 Resp: 843489

Ion Ratio Lower Upper

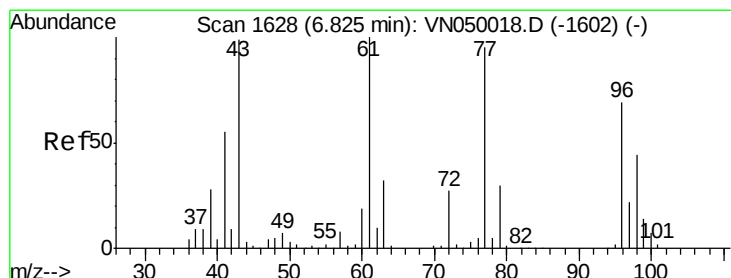
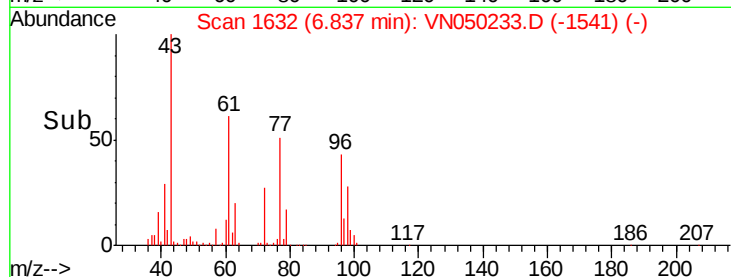
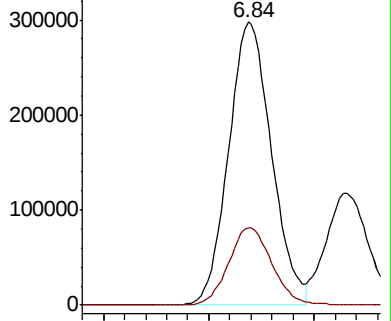
43 100

72 27.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.92 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050233.D

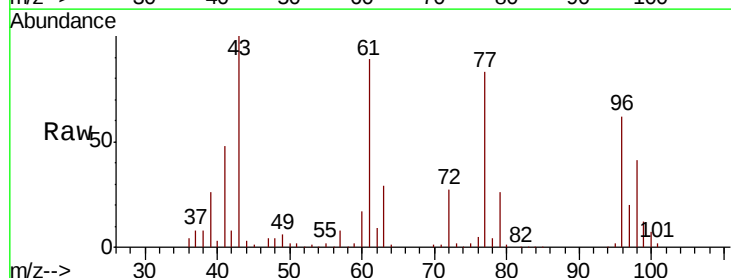
Acq: 1 Aug 2018 8:09

Tgt Ion: 77 Resp: 579530

Ion Ratio Lower Upper

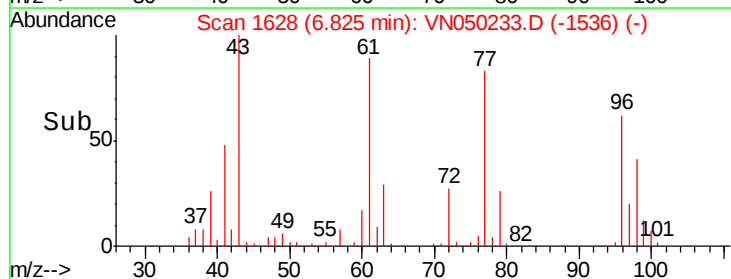
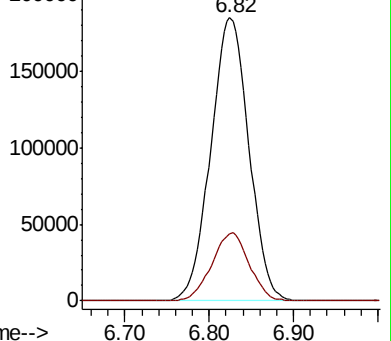
77 100

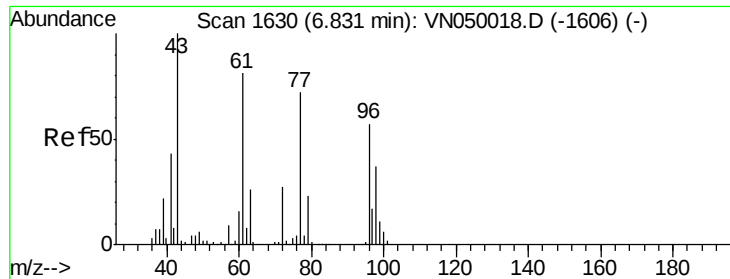
97 23.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

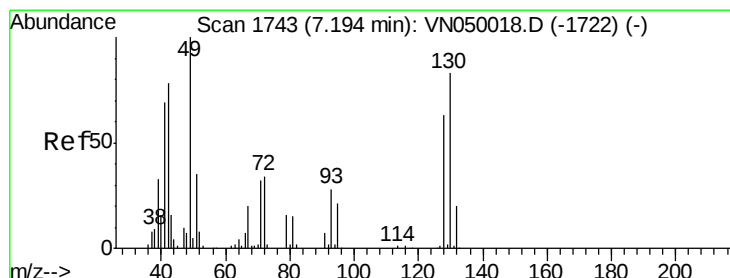
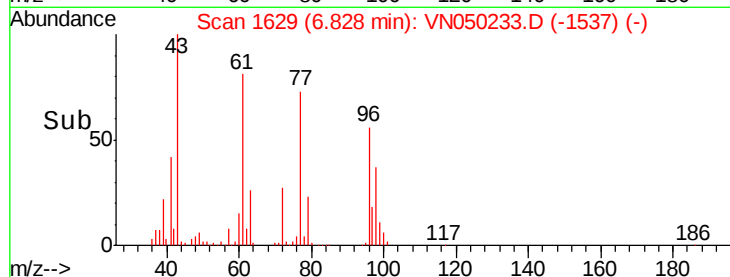
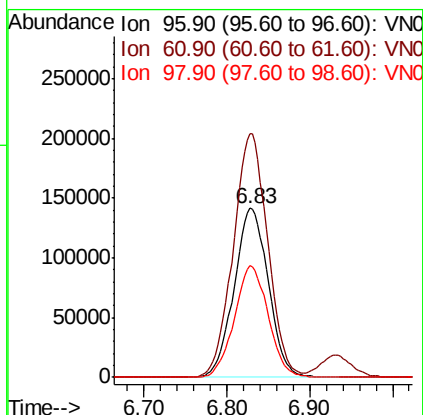
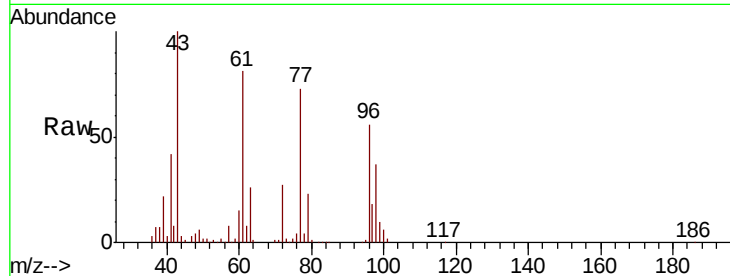




#27
 cis-1,2-Dichloroethene
 Concen: 46.97 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

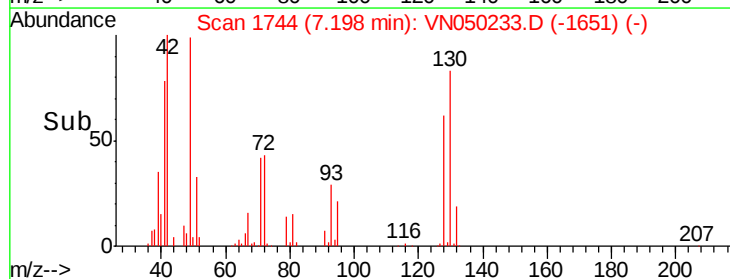
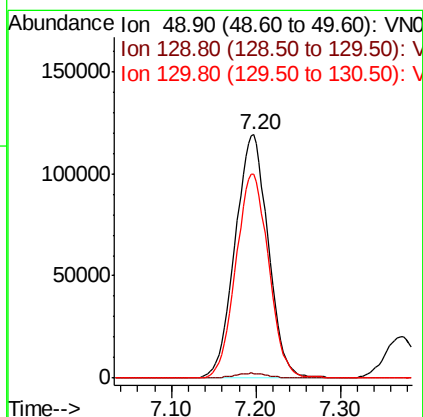
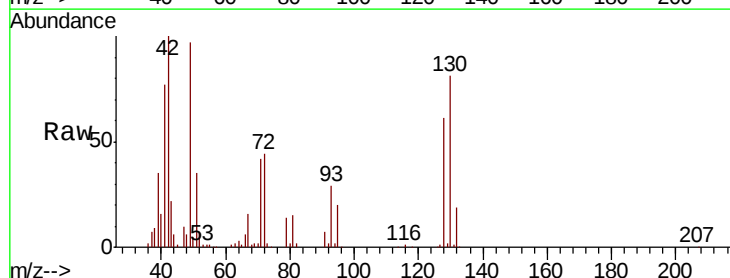
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

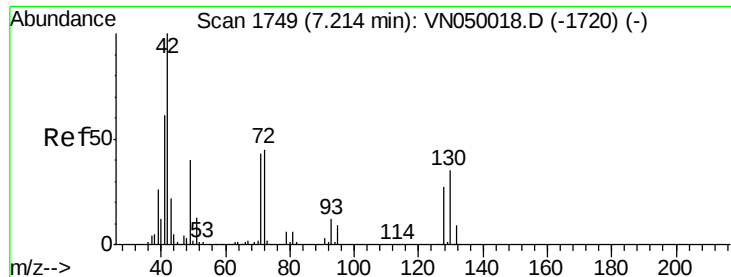
Tot Ion: 96 Resp: 406708
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 285.0
 98 65.2 0.0 129.2



#28
 Bromochloromethane
 Concen: 46.78 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 49 Resp: 325596
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 83.3 66.3 99.5

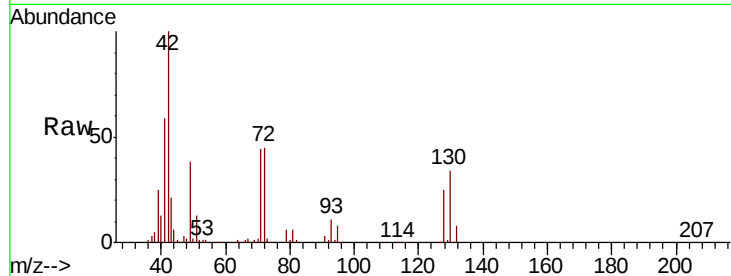




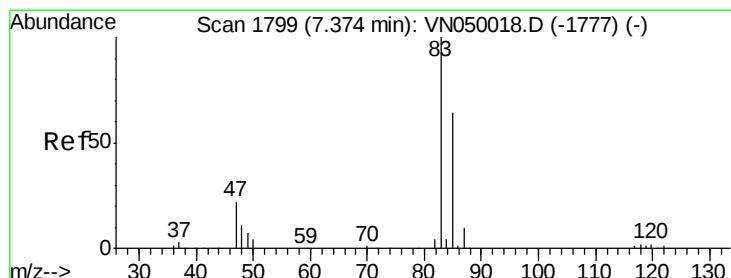
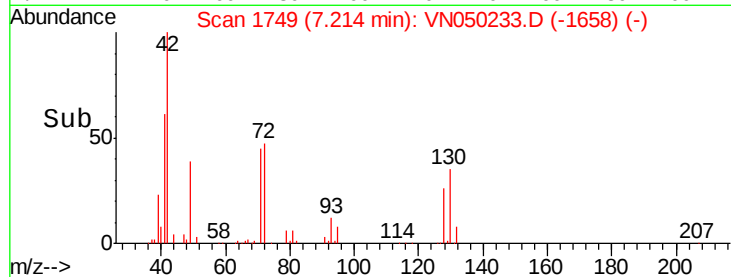
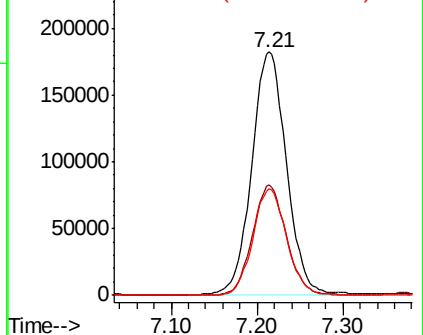
#29
Tetrahydrofuran
Concen: 225.52 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 510779
Ion Ratio Lower Upper
42 100
72 44.6 35.9 53.9
71 42.6 33.7 50.5

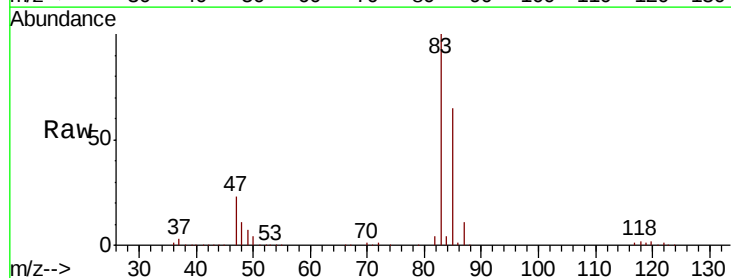


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

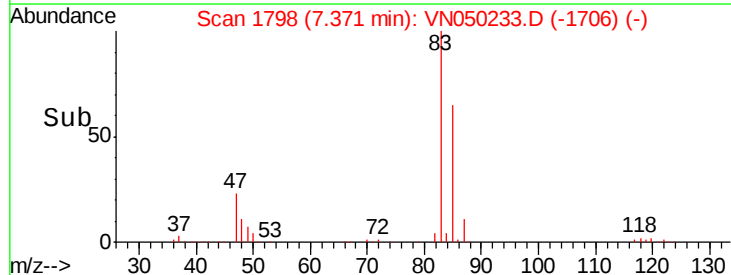
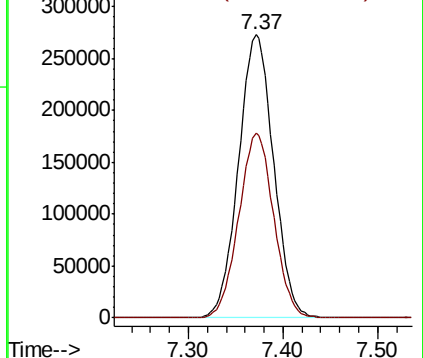


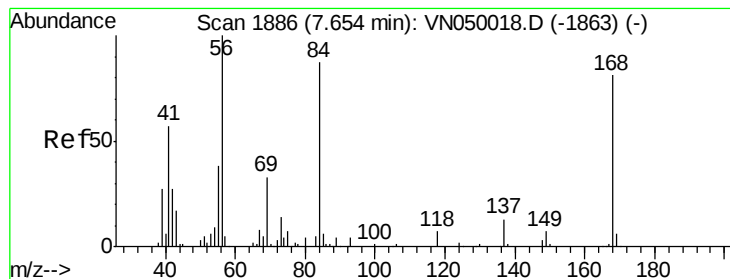
#30
Chloroform
Concen: 45.16 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 83 Resp: 703273
Ion Ratio Lower Upper
83 100
85 65.2 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: 45.05 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

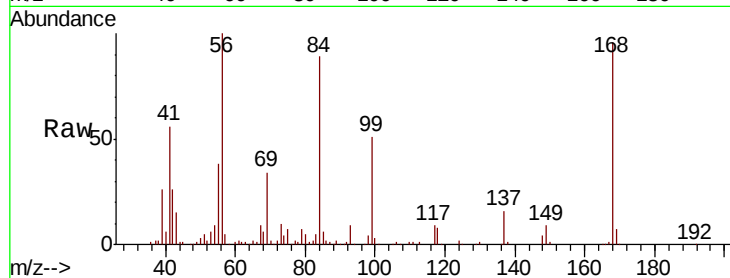
Tot Ion: 56 Resp: 570203

Ion Ratio Lower Upper

56 100

69 33.5 26.2 39.4

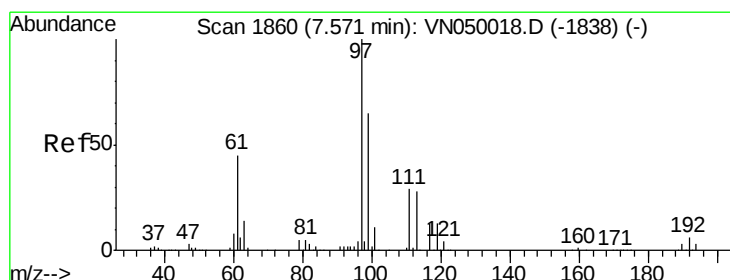
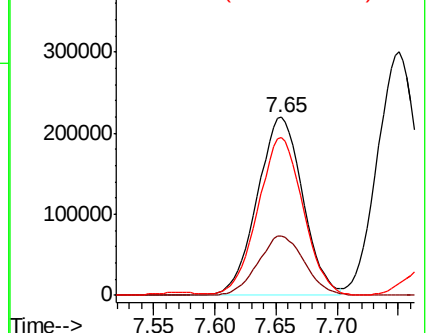
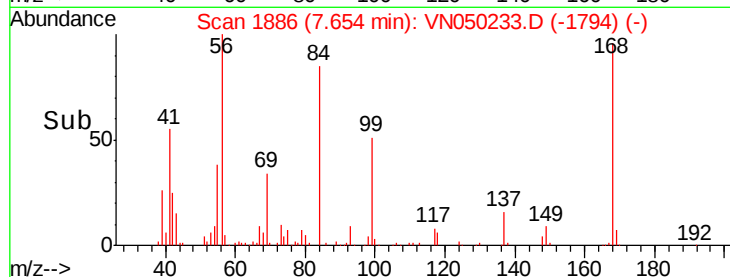
84 87.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050233.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN050233.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN050233.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 45.18 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

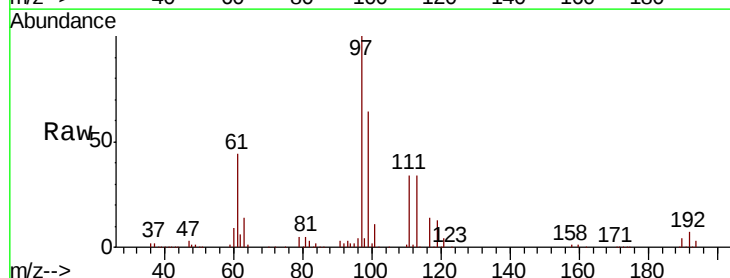
Tgt Ion: 97 Resp: 601808

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

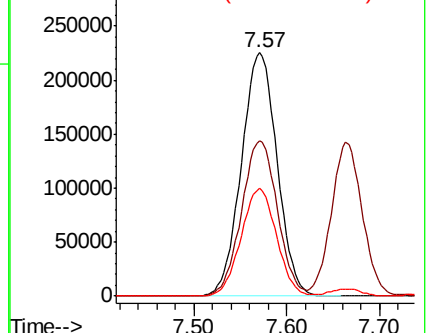
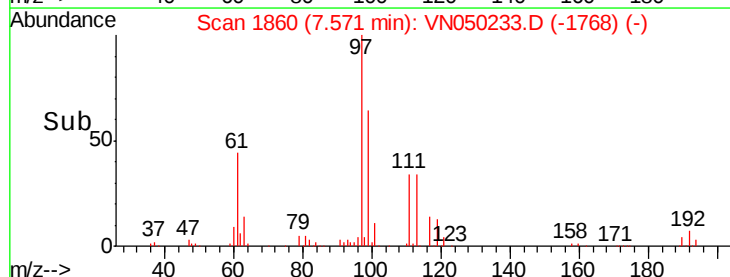
61 44.1 35.4 53.0

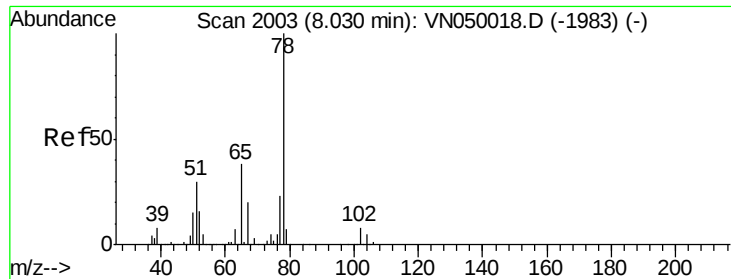


Abundance Ion 96.90 (96.60 to 97.60): VN050233.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050233.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050233.D (-1768) (-)

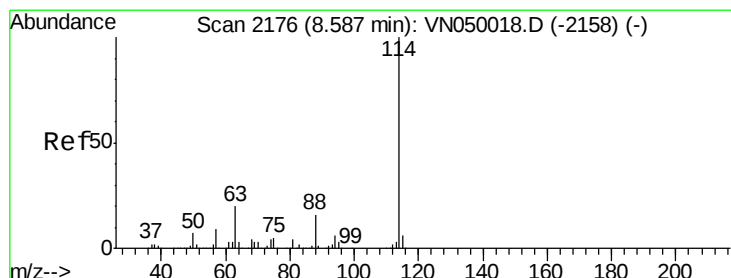
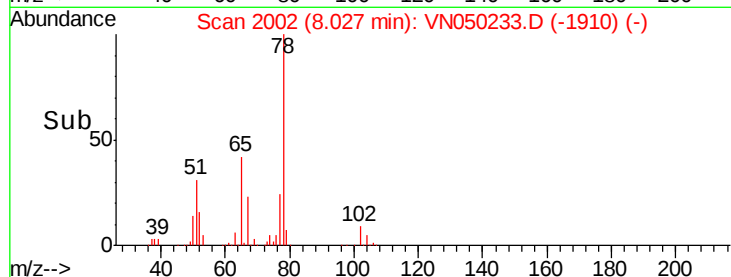
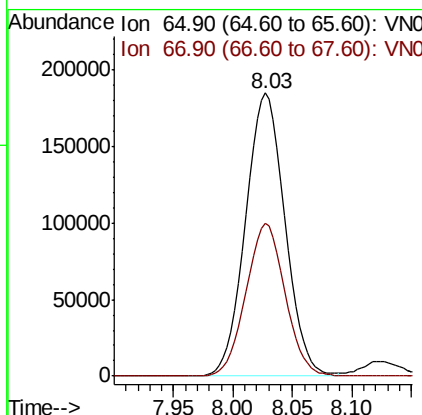
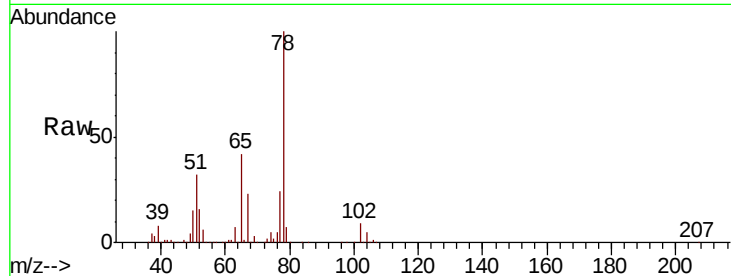




#33
 1,2-Dichloroethane-d4
 Concen: 46.20 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

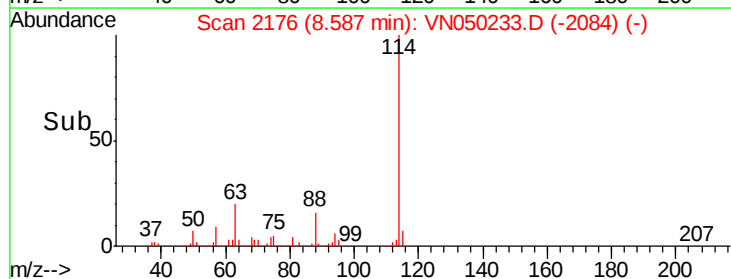
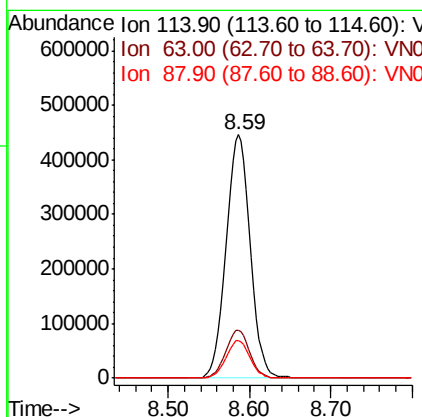
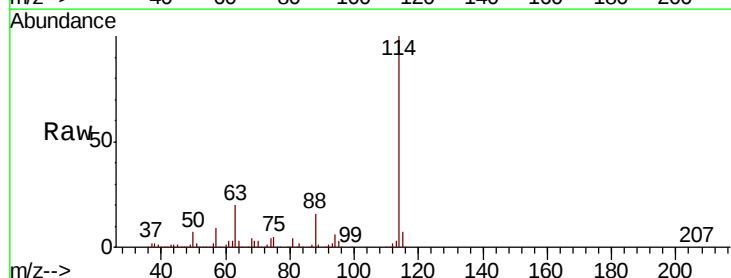
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

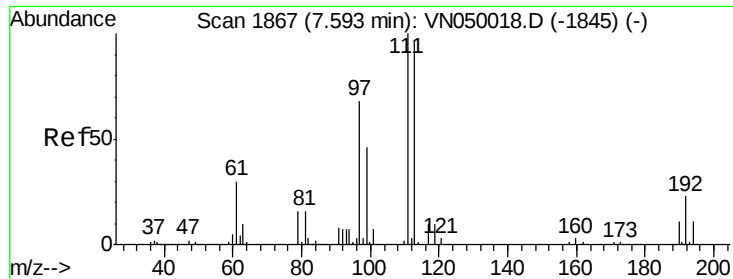
Tot Ion: 65 Resp: 424531
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 114 Resp: 931453
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.6 0.0 31.2

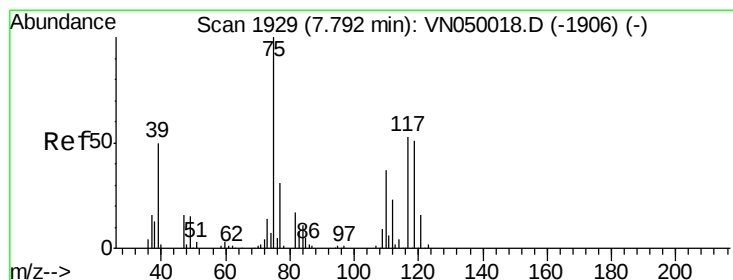
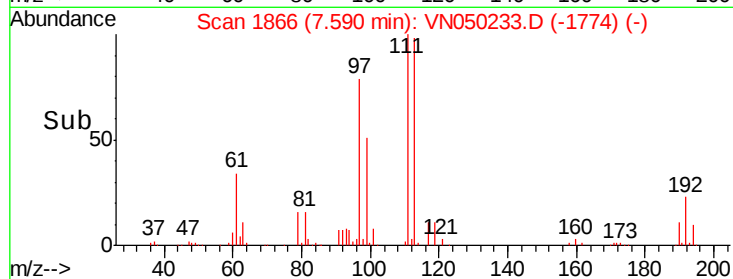
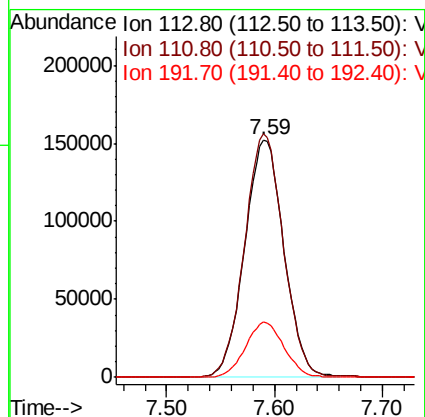
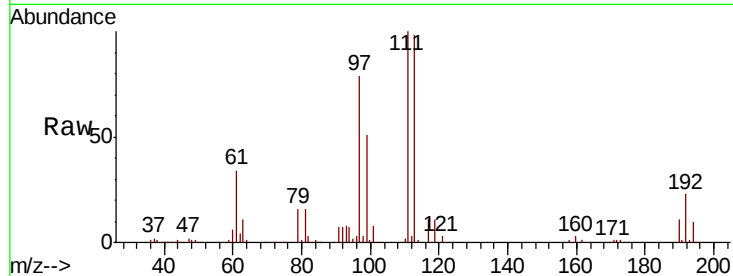




#35
 Dibromofluoromethane
 Concen: 50.54 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

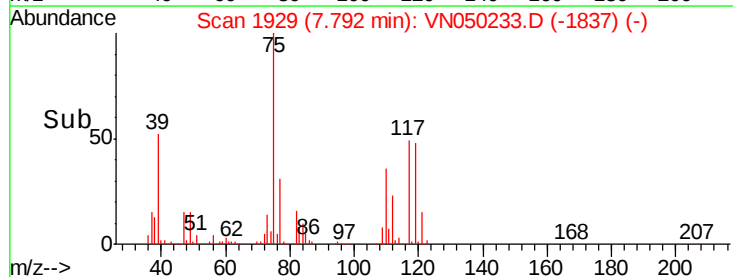
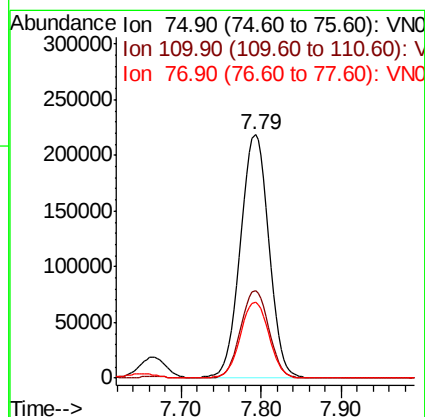
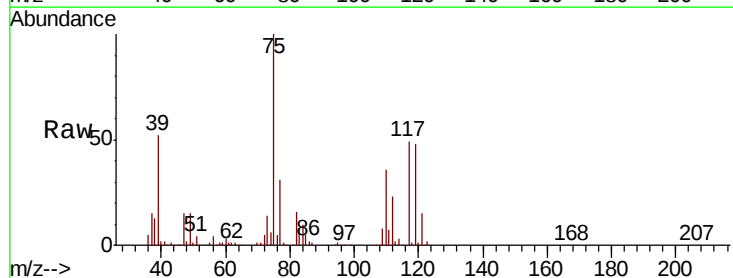
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

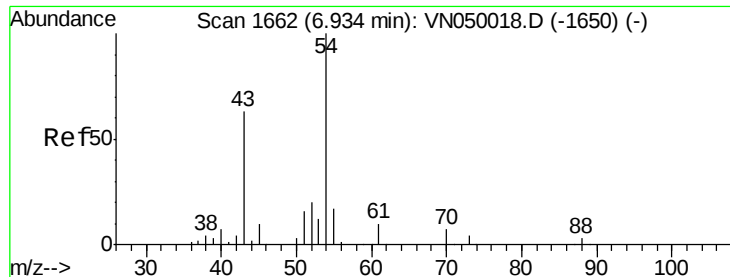
Tot Ion:113 Resp: 384333
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 49.97 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 75 Resp: 524344
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.4 55.2
 77 31.3 25.3 37.9

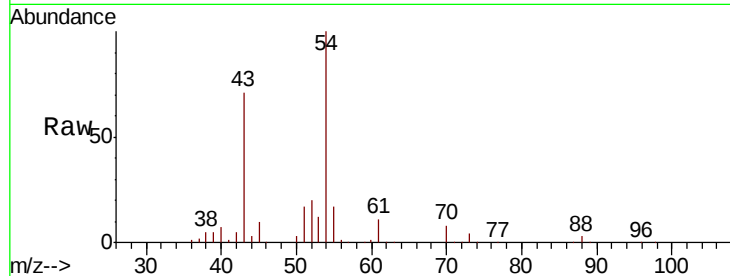




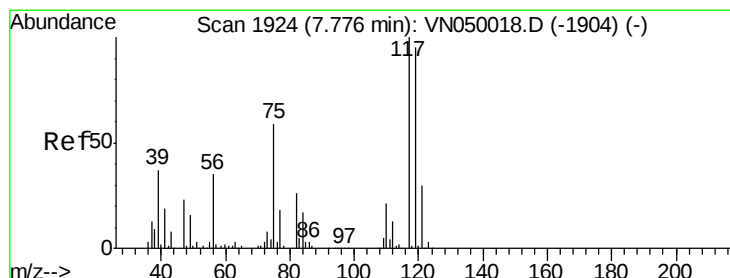
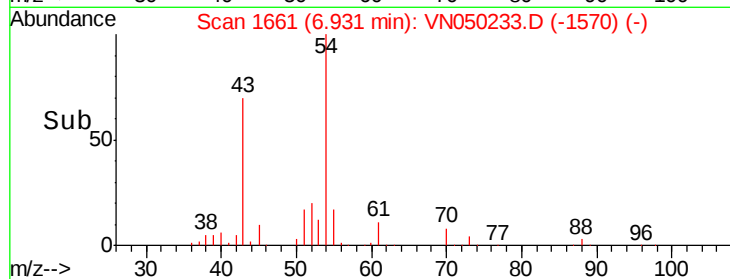
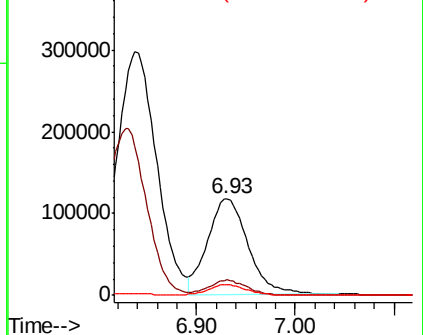
#37
Ethyl Acetate
Concen: 46.02 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 336736
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.4 8.4 12.6

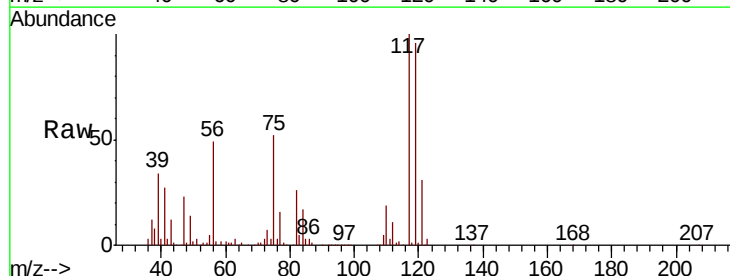


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

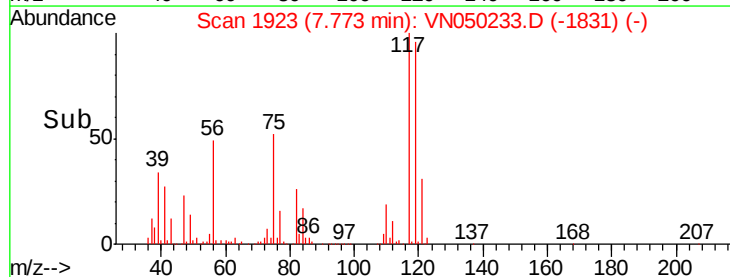
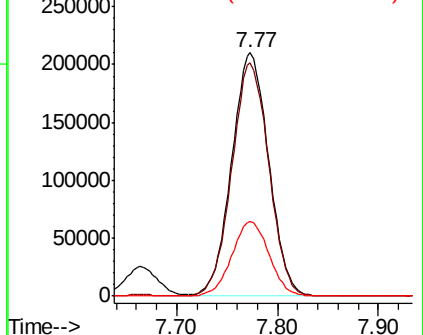


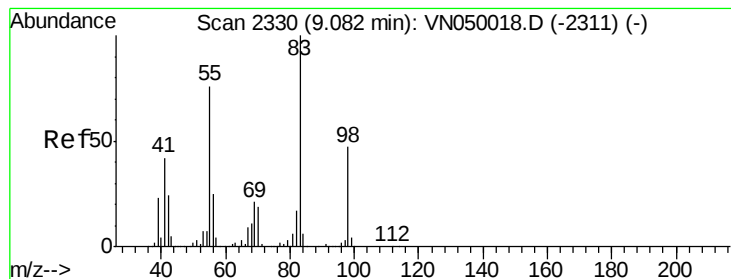
#38
Carbon Tetrachloride
Concen: 48.04 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 117 Resp: 534966
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.0
121 30.7 23.9 35.9



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





#39

Methvlcvclohexane

Concen: 52.07 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

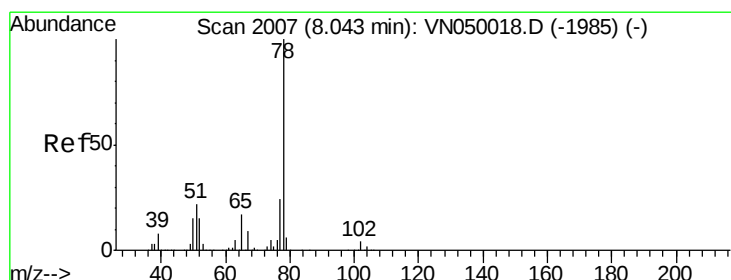
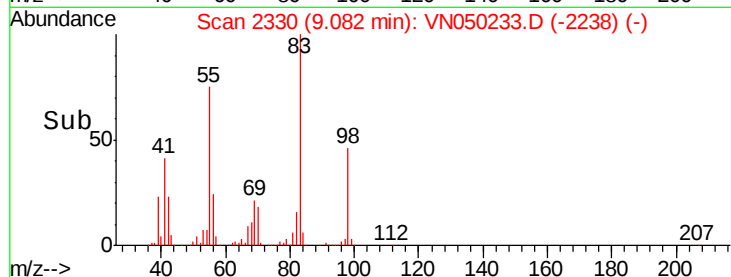
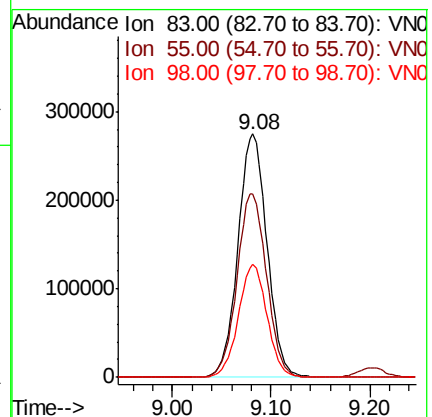
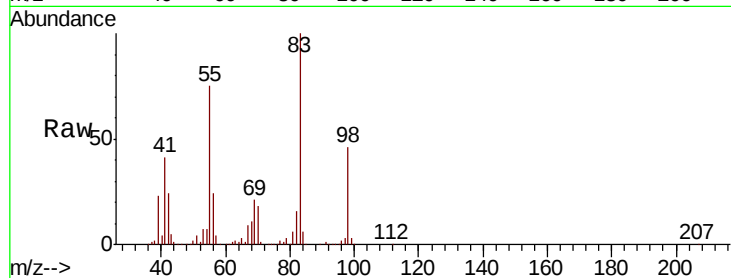
Tot Ion: 83 Resp: 562136

Ion Ratio Lower Upper

83 100

55 75.4 61.8 92.8

98 46.2 36.5 54.7



#40

Benzene

Concen: 49.30 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050233.D

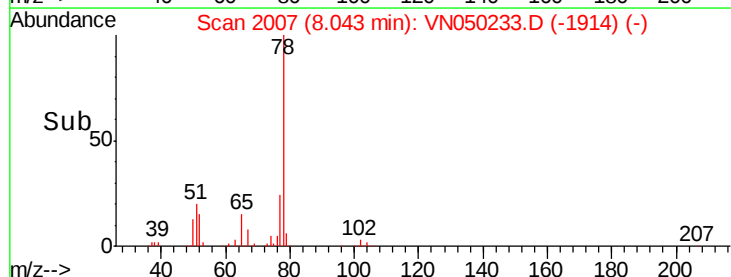
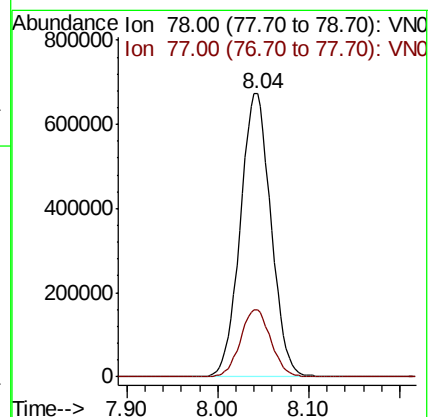
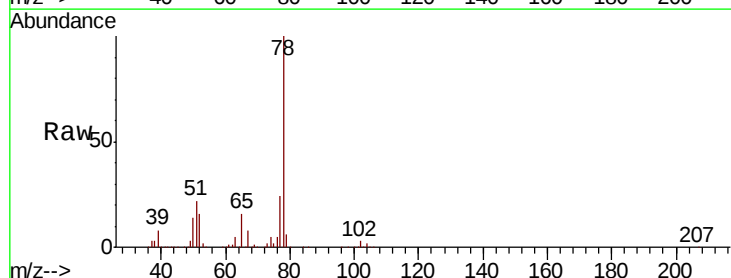
Acq: 1 Aug 2018 8:09

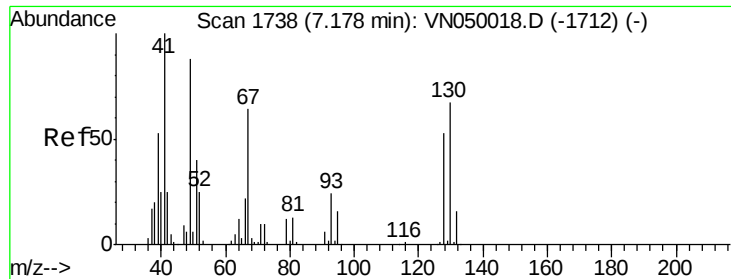
Tgt Ion: 78 Resp: 1574448

Ion Ratio Lower Upper

78 100

77 23.8 18.7 28.1

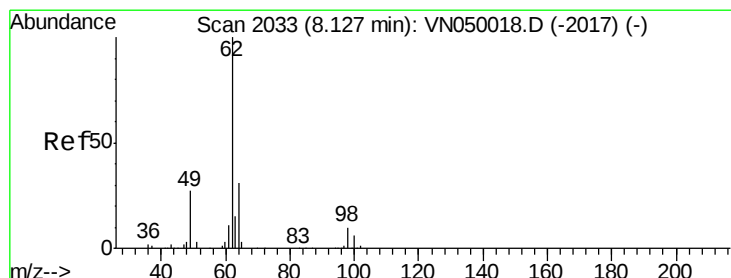
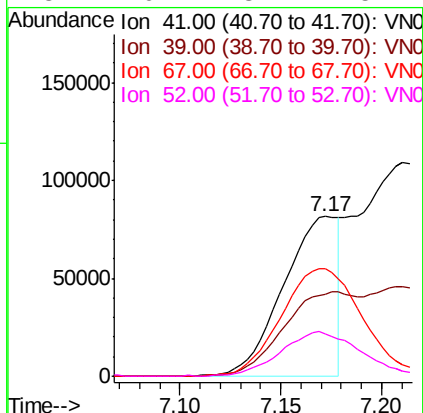
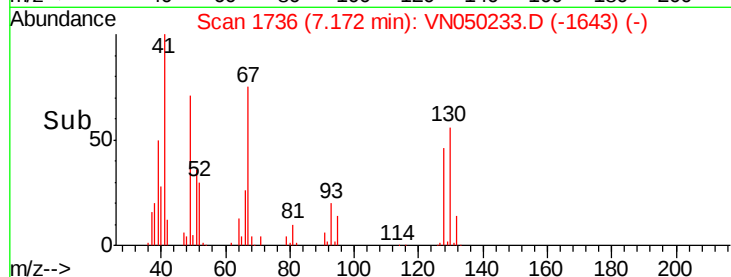
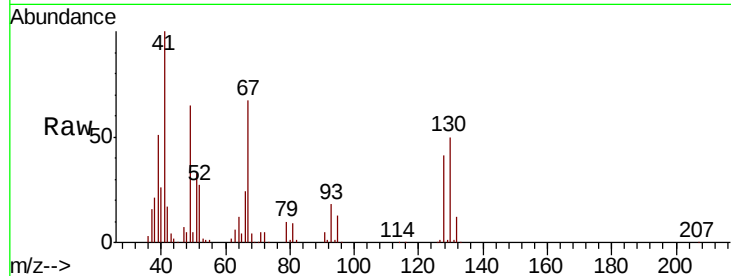




#41
Methacrylonitrile
Concen: 40.70 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

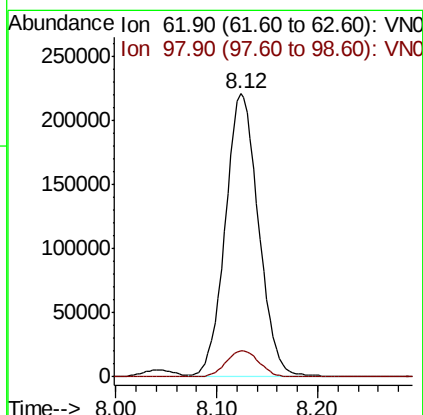
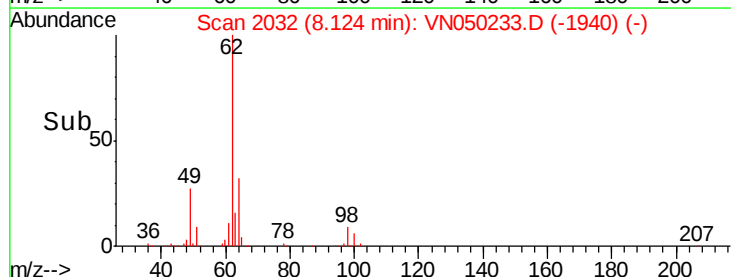
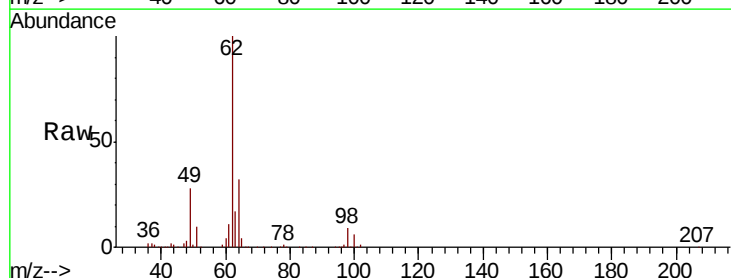
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

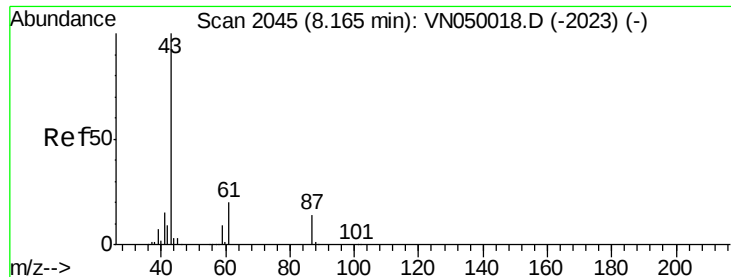
Tot Ion: 41 Resp: 153019
Ion Ratio Lower Upper
41 100
39 68.2 55.8 83.6
67 101.2 84.3 126.5
52 40.7 34.2 51.2



#42
1,2-Dichloroethane
Concen: 47.24 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 62 Resp: 503280
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 46.08 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

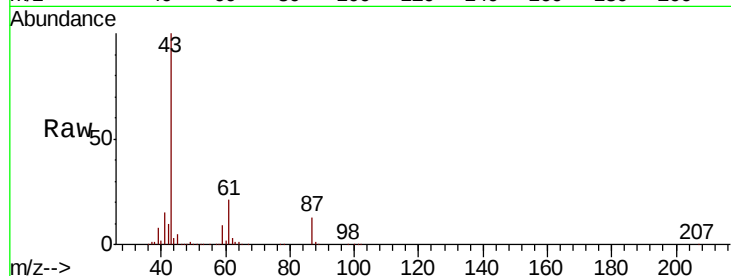
Tot Ion: 43 Resp: 636562

Ion Ratio Lower Upper

43 100

61 19.5 15.8 23.6

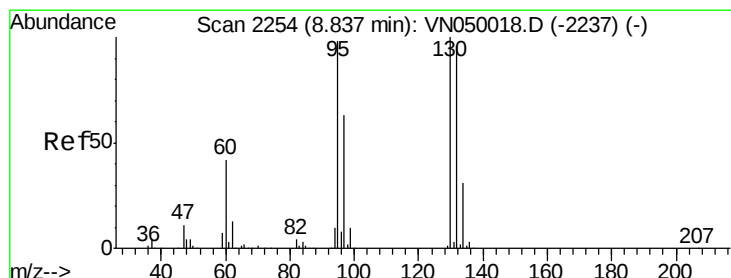
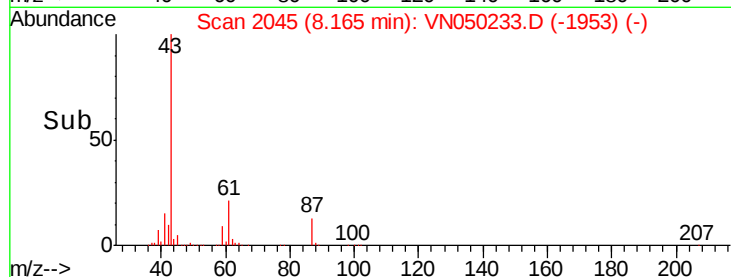
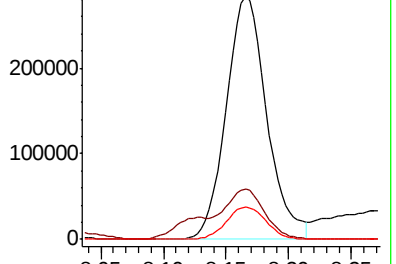
87 13.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 47.91 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050233.D

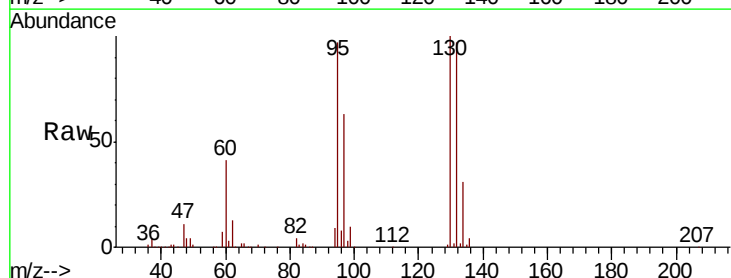
Acq: 1 Aug 2018 8:09

Tgt Ion: 130 Resp: 411065

Ion Ratio Lower Upper

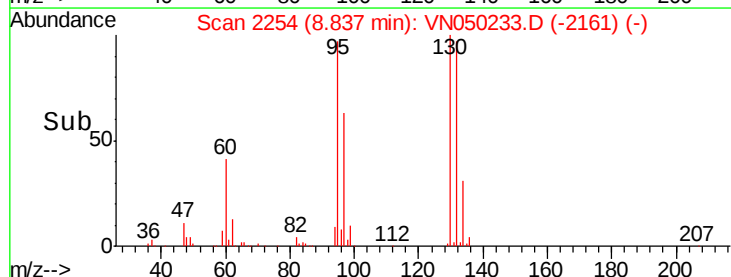
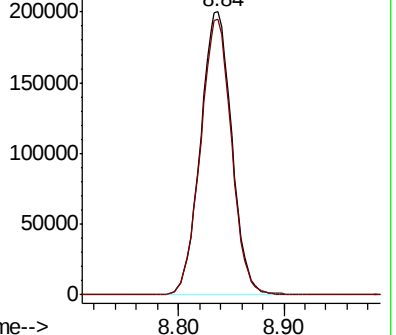
130 100

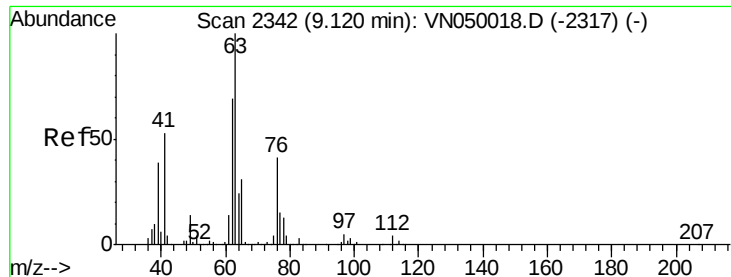
95 97.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)





#45

1,2-Dichloropropane

Concen: 49.83 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

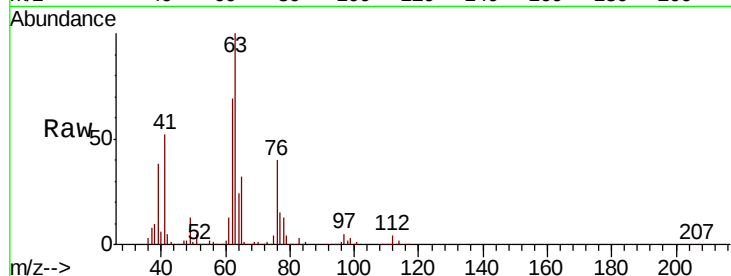
VSTDCCC050

Tot Ion: 63 Resp: 421463

Ion Ratio Lower Upper

63 100

65 31.9 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN050233.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN050233.D (-2249) (-)

9.12

200000

150000

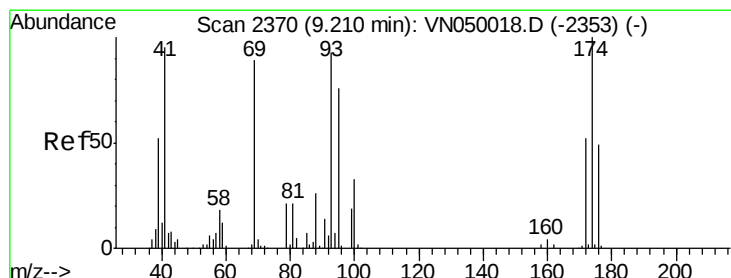
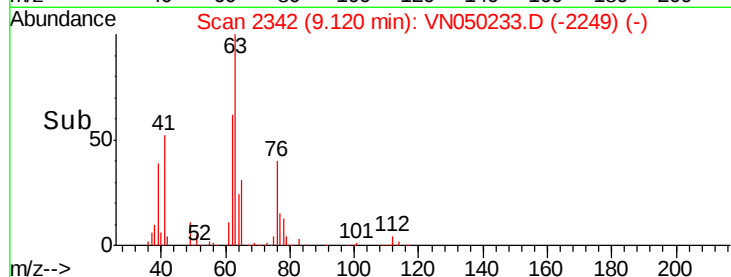
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 48.71 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

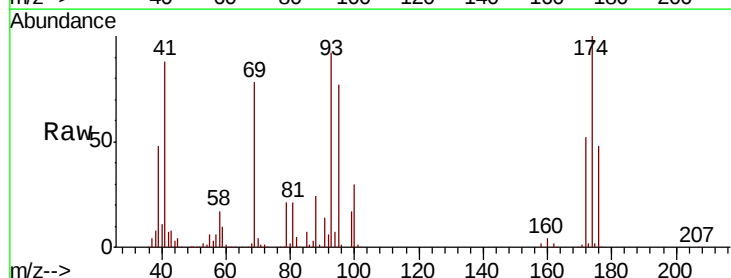
Tgt Ion: 93 Resp: 255795

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 110.3 87.1 130.7



Abundance Ion 92.80 (92.50 to 93.50): VN050233.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN050233.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN050233.D (-2277) (-)

9.21

150000

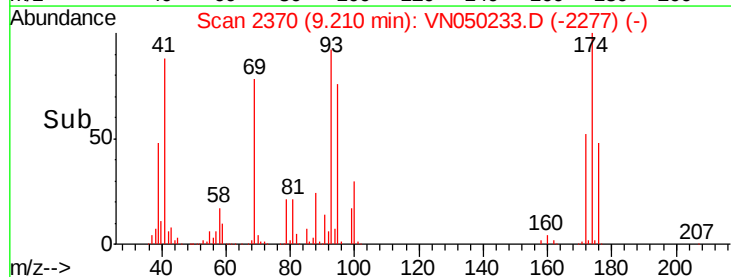
100000

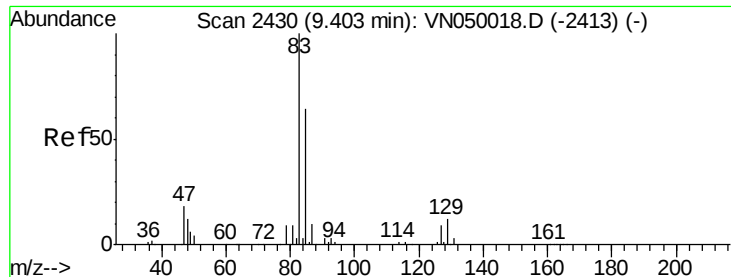
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->

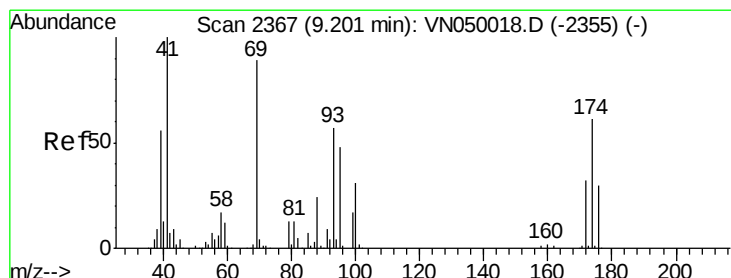
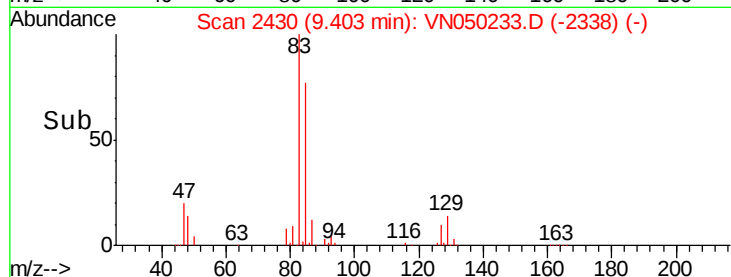
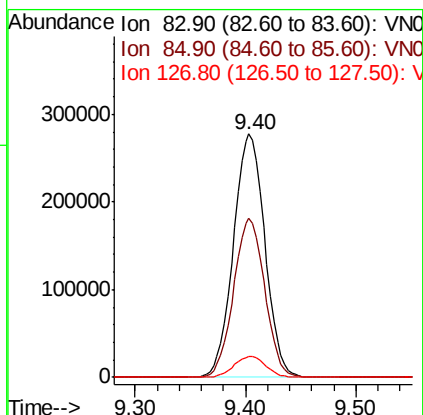
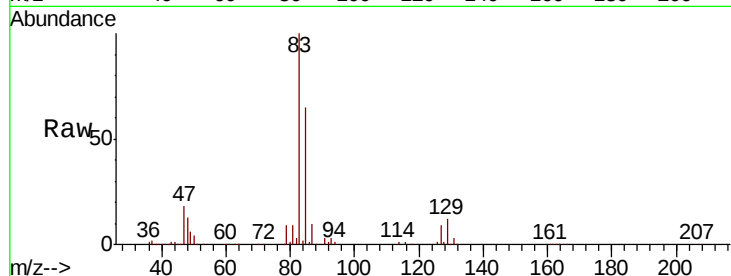




#47
Bromodichloromethane
Concen: 49.45 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

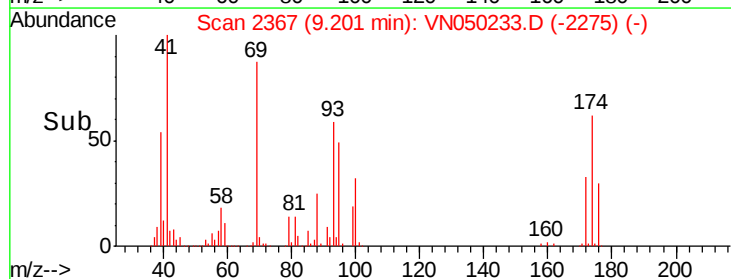
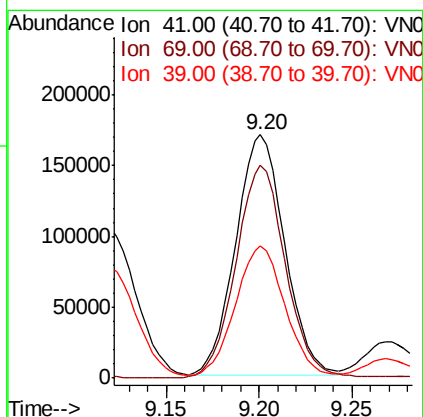
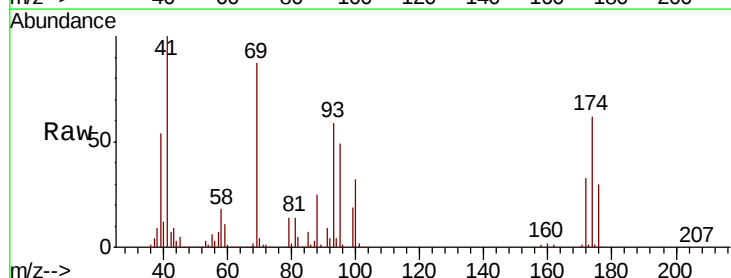
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

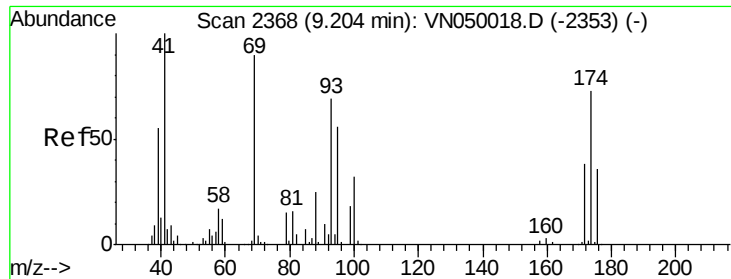
Tot Ion: 83 Resp: 548083
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7
127 8.7 7.0 10.4



#48
Methyl methacrylate
Concen: 49.66 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 41 Resp: 312919
Ion Ratio Lower Upper
41 100
69 90.1 70.6 105.8
39 55.8 43.9 65.9





#49

1,4-Dioxane

Concen: 1036.70 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

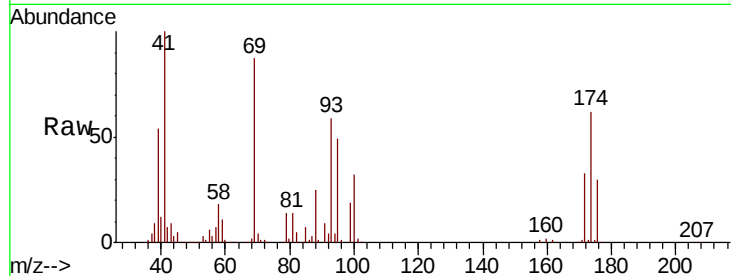
Tot Ion: 88 Resp: 88900

Ion Ratio Lower Upper

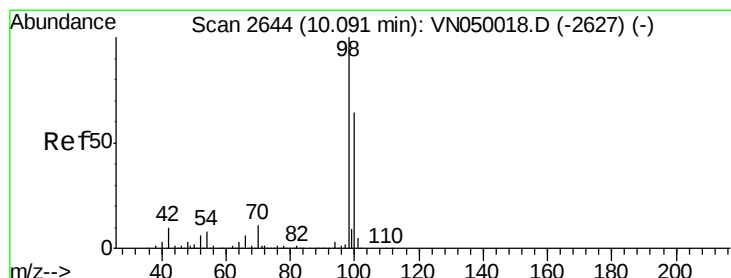
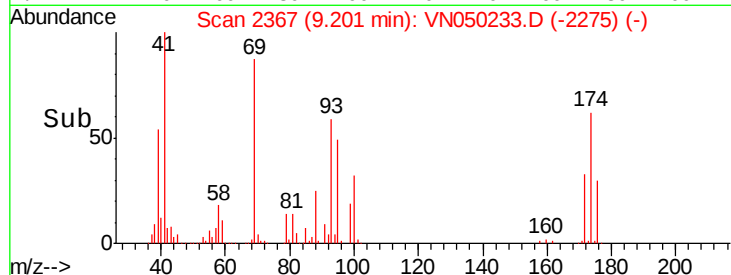
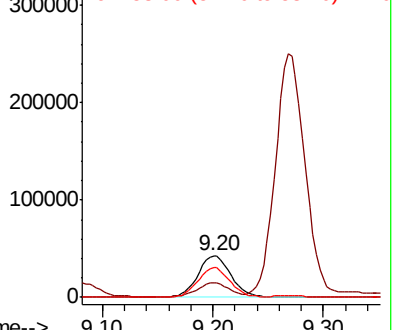
88 100

43 30.8 26.9 40.3

58 69.2 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: 51.23 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050233.D

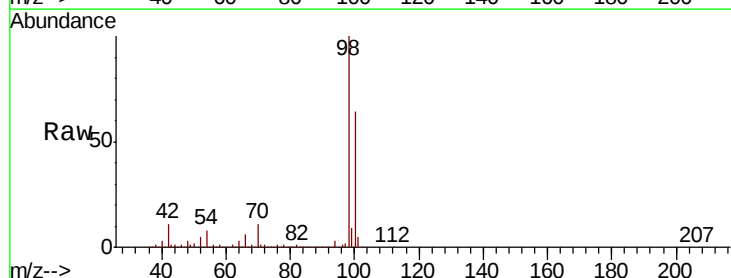
Acq: 1 Aug 2018 8:09

Tgt Ion: 98 Resp: 1432410

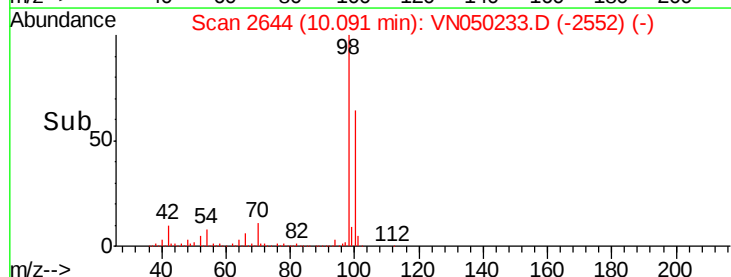
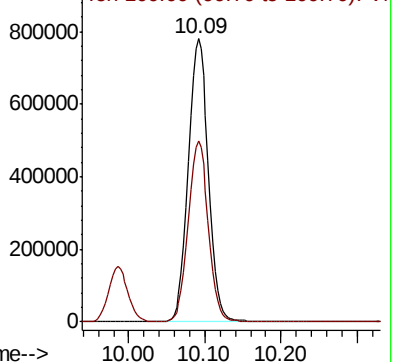
Ion Ratio Lower Upper

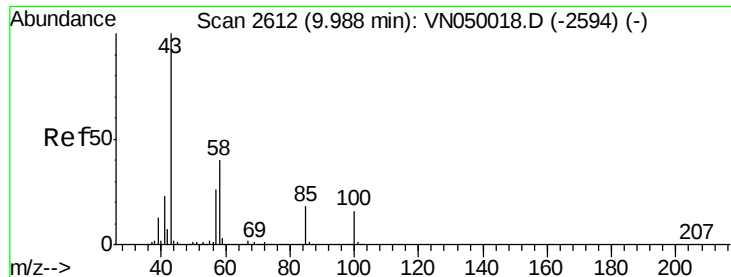
98 100

100 64.1 50.7 76.1



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

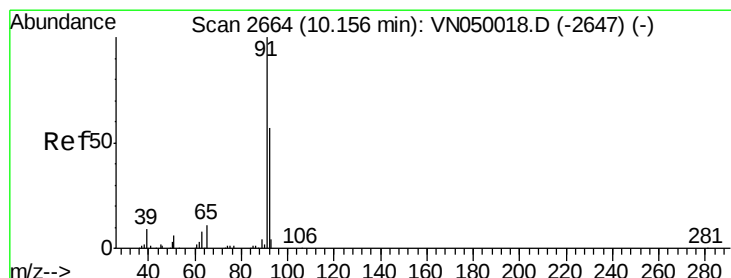
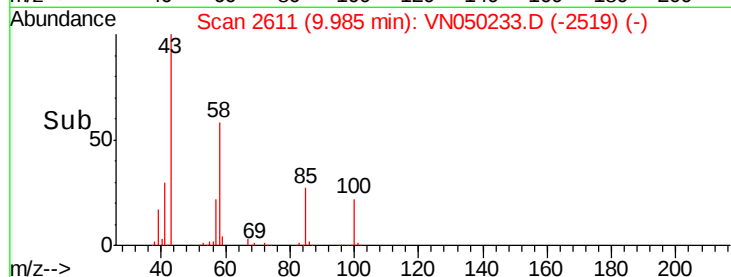
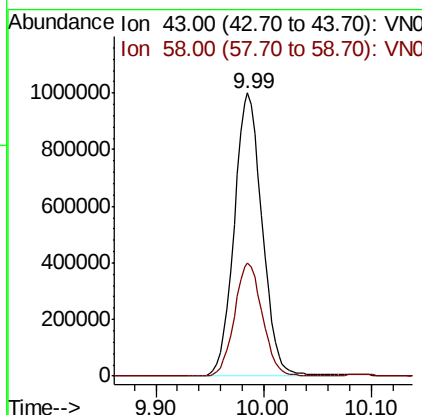
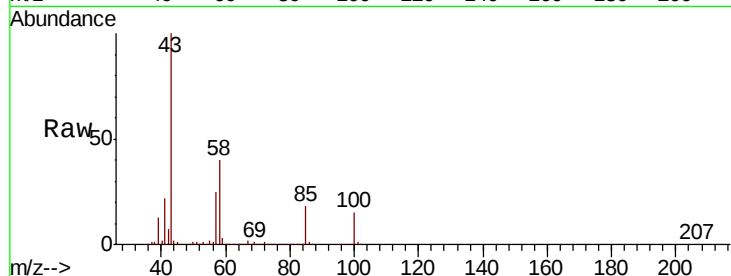




#51
 4-Methyl-2-Pentanone
 Concen: 250.90 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

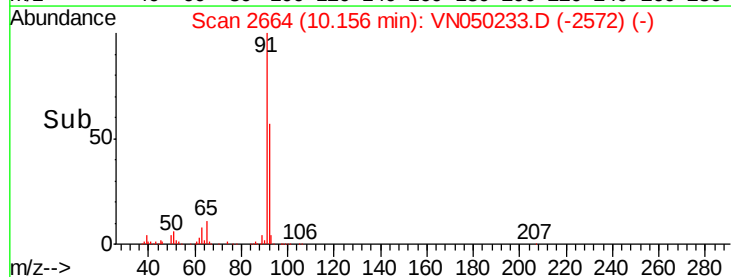
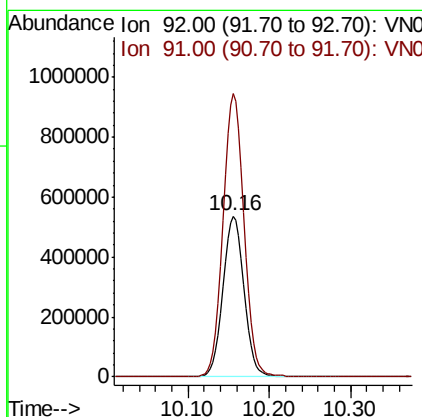
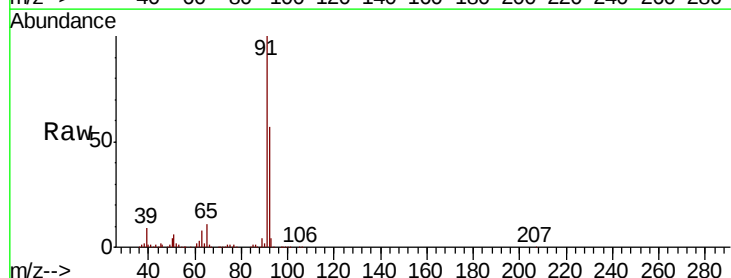
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

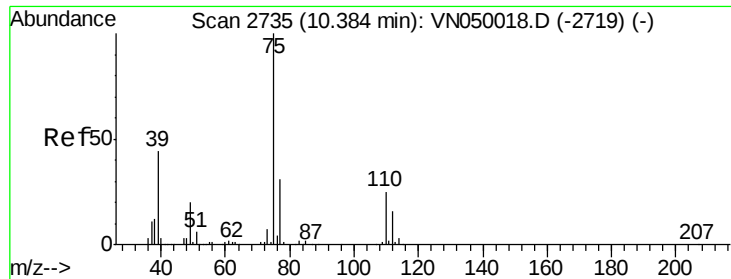
Tot Ion: 43 Resp: 1804602
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9



#52
 Toluene
 Concen: 52.27 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 92 Resp: 985328
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 53.50 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

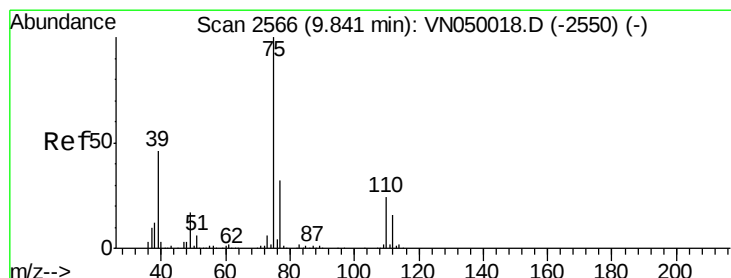
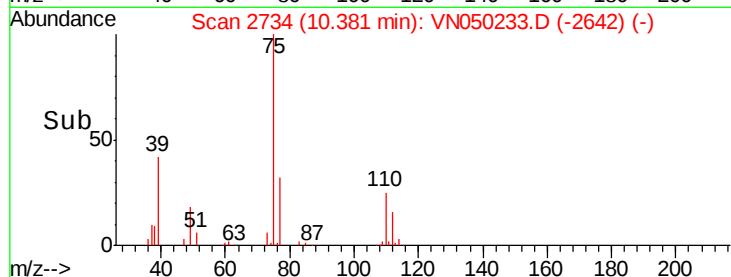
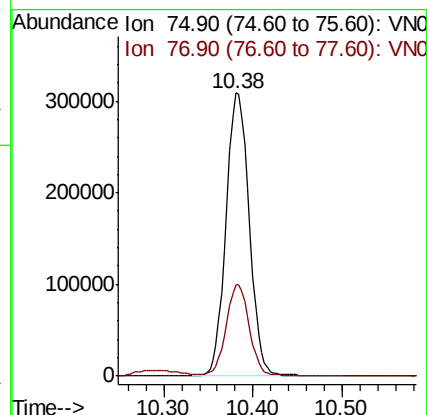
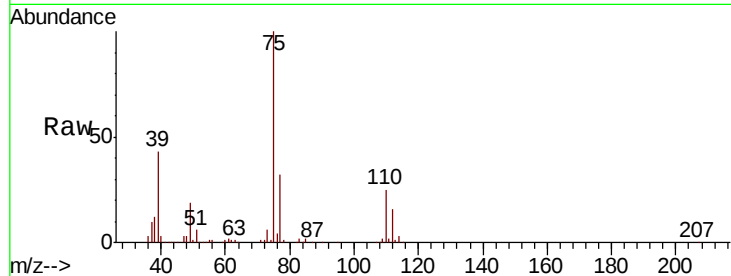
VSTDCCC050

Tot Ion: 75 Resp: 559607

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 52.61 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

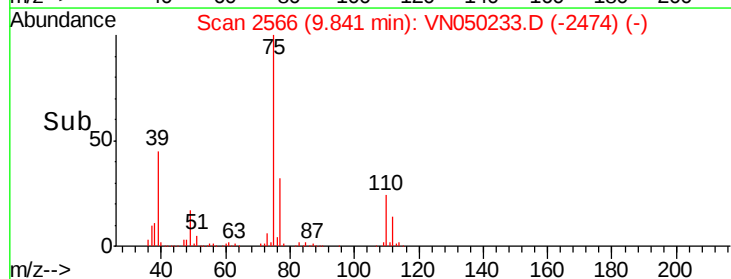
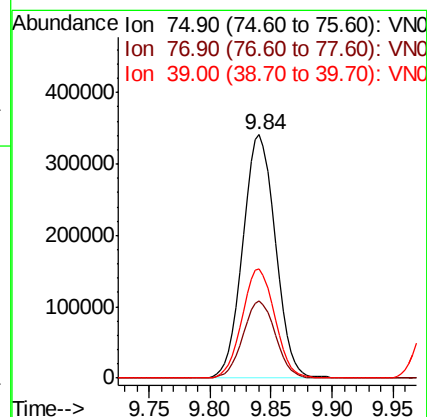
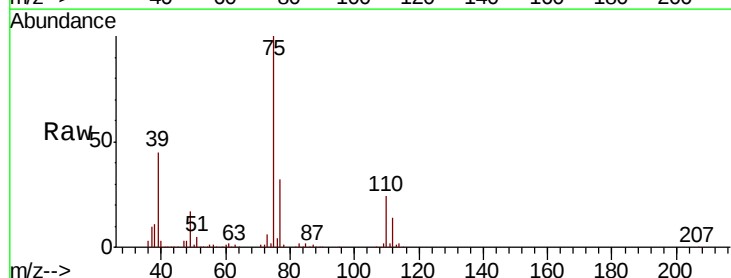
Tgt Ion: 75 Resp: 628859

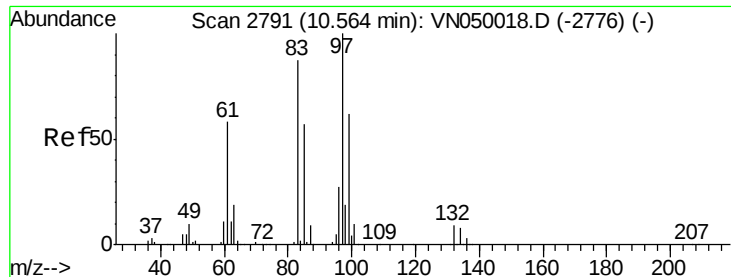
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 44.8 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 49.76 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 372049

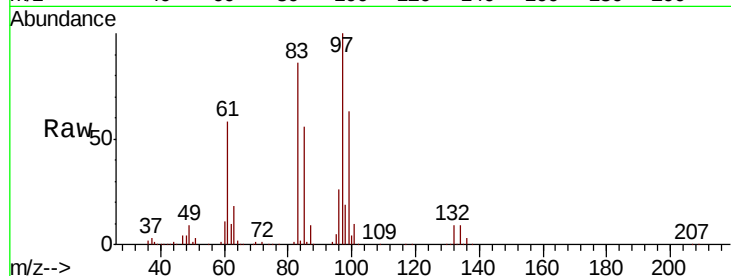
Ion Ratio Lower Upper

97 100

83 85.8 69.2 103.8

85 56.1 44.0 66.0

99 62.9 49.9 74.9

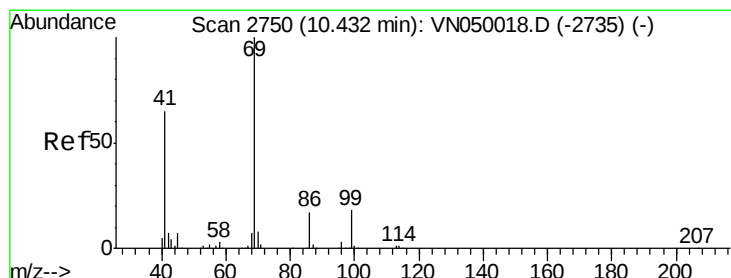
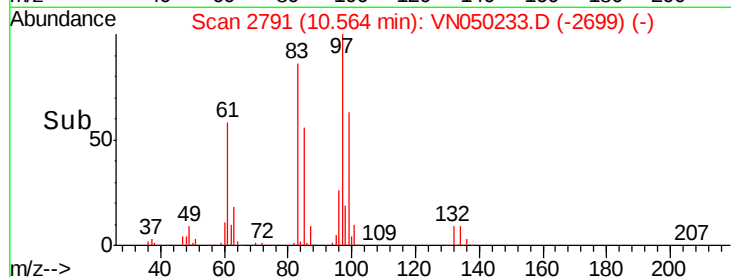
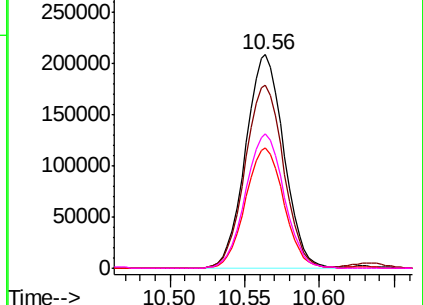


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.78 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

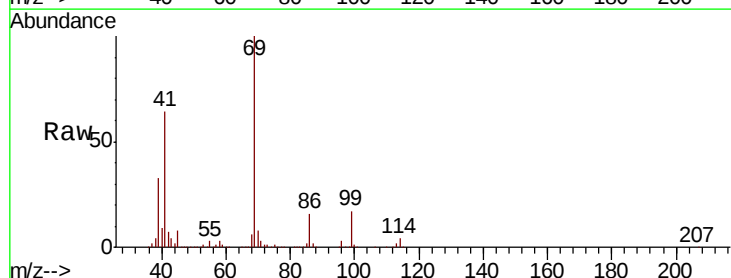
Tgt Ion: 69 Resp: 472439

Ion Ratio Lower Upper

69 100

41 62.8 51.0 76.4

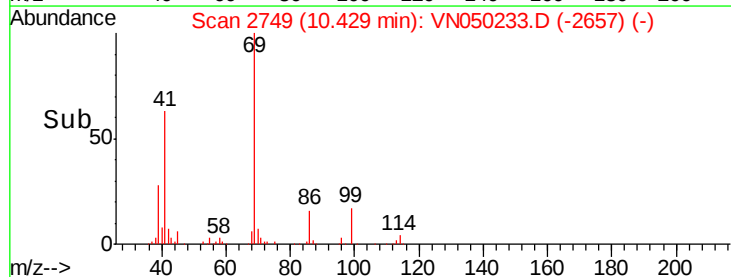
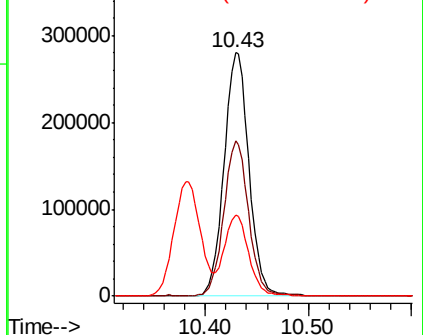
39 32.0 26.6 40.0

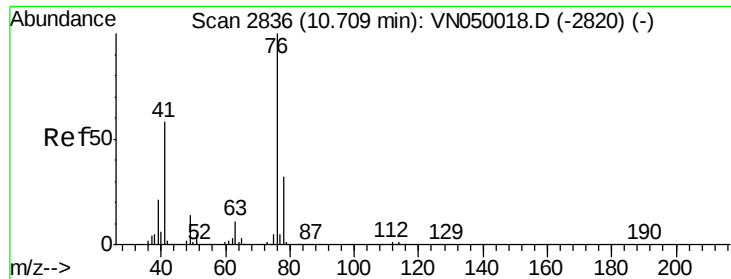


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

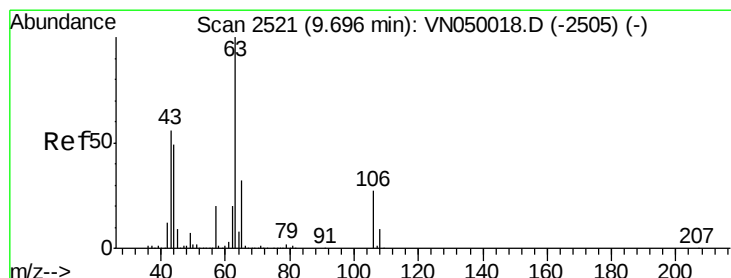
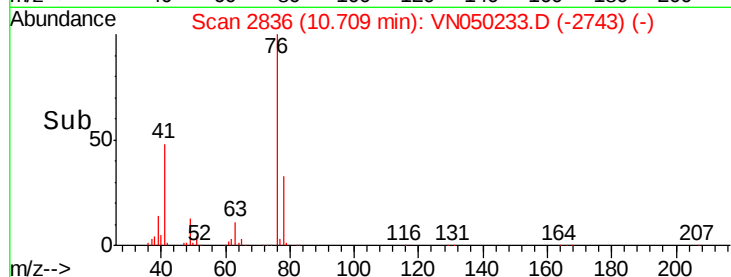
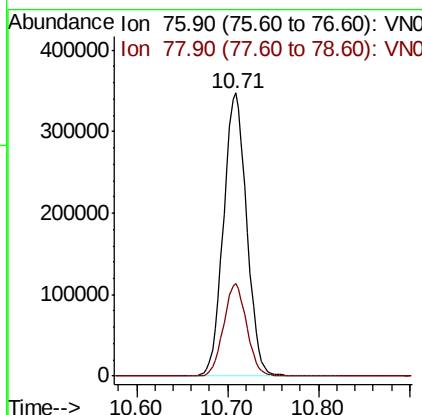
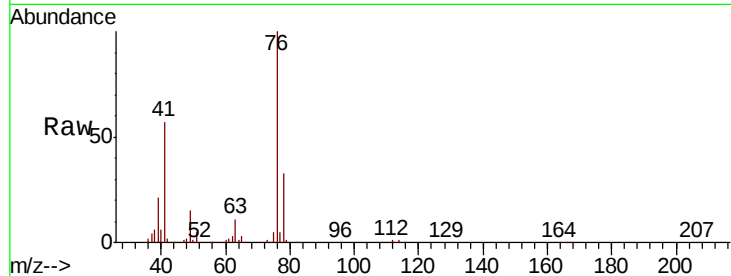




#57
 1,3-Dichloropropane
 Concen: 50.54 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

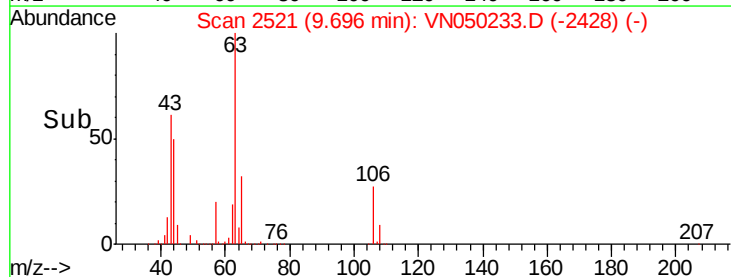
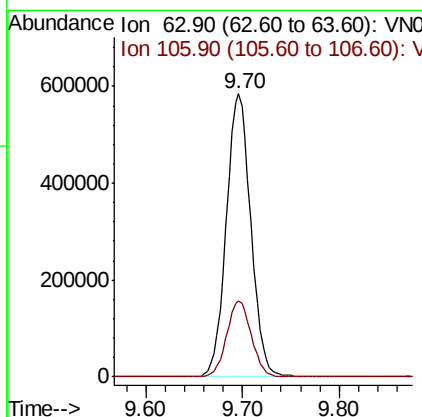
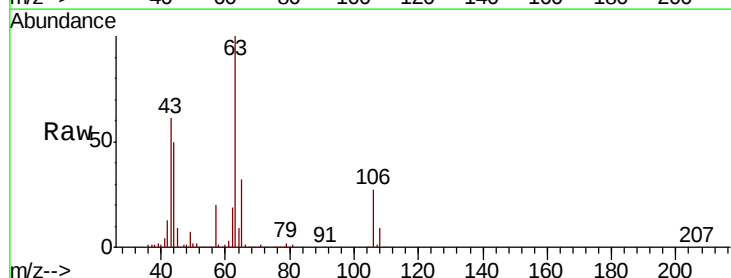
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

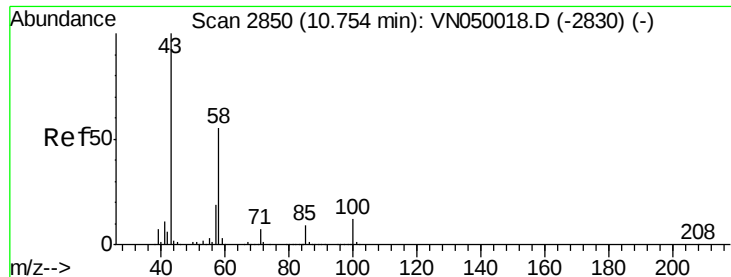
Tot Ion: 76 Resp: 615268
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.63 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 63 Resp: 1029273
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

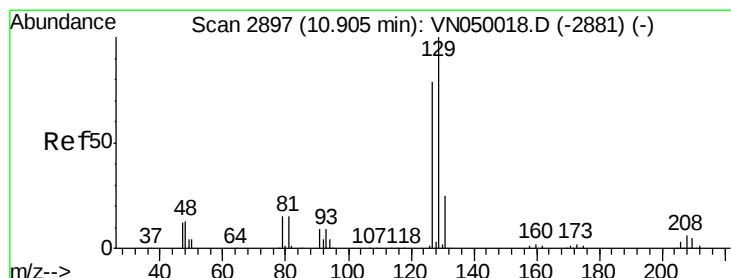
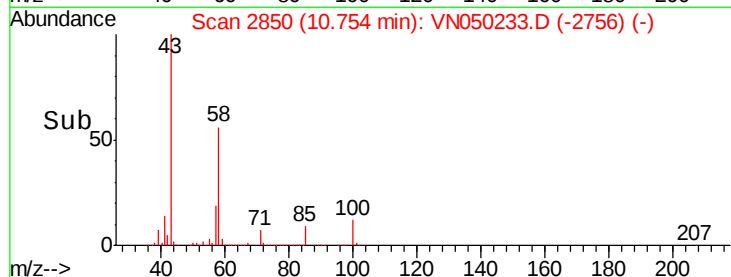
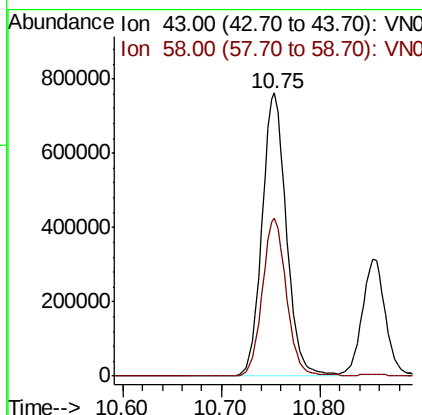
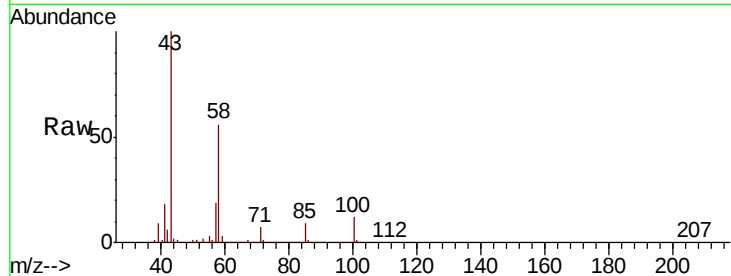




#59
2-Hexanone
Concen: 243.39 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

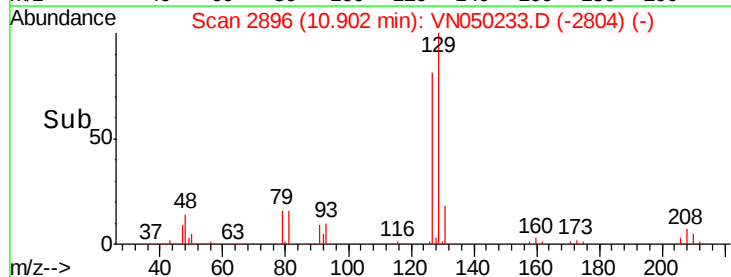
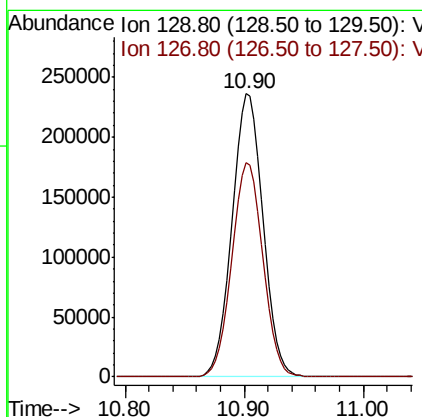
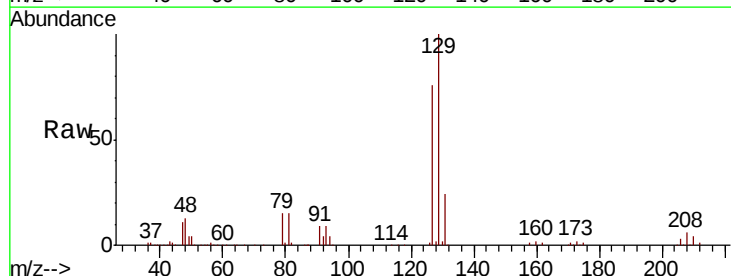
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

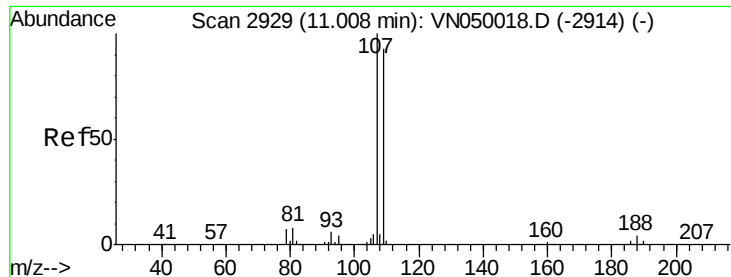
Tot Ion: 43 Resp: 1285646
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7



#60
Dibromochloromethane
Concen: 51.50 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 129 Resp: 426312
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.47 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

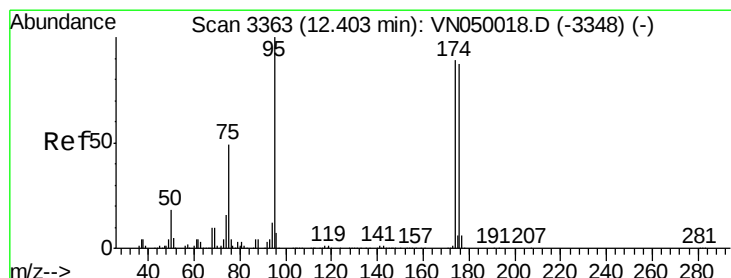
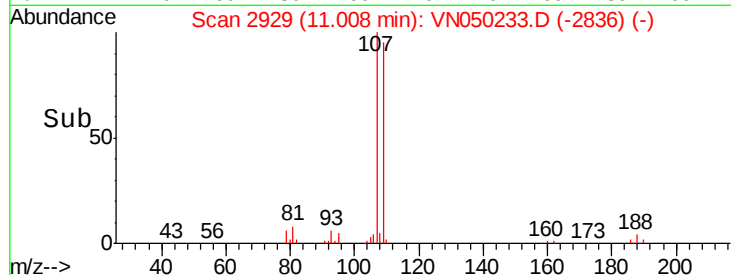
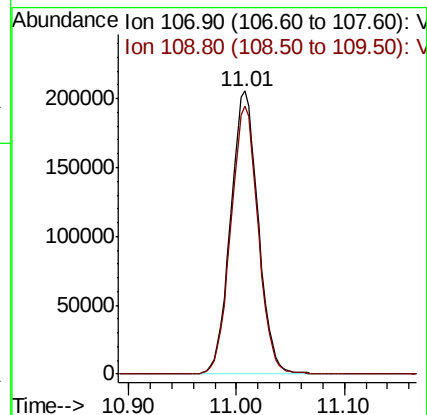
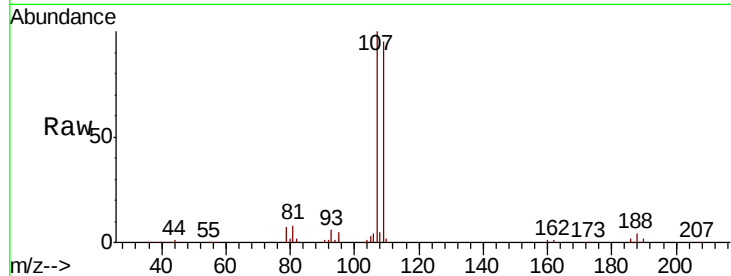
VSTDCCC050

Tot Ion:107 Resp: 366975

Ion Ratio Lower Upper

107 100

109 94.0 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 54.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

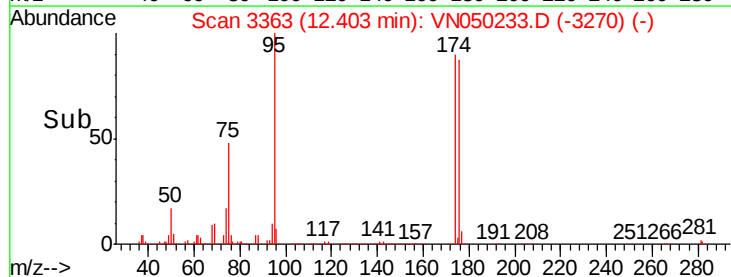
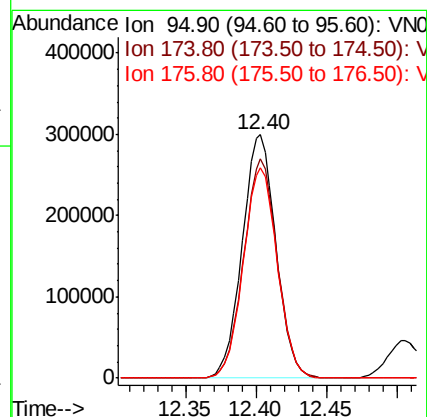
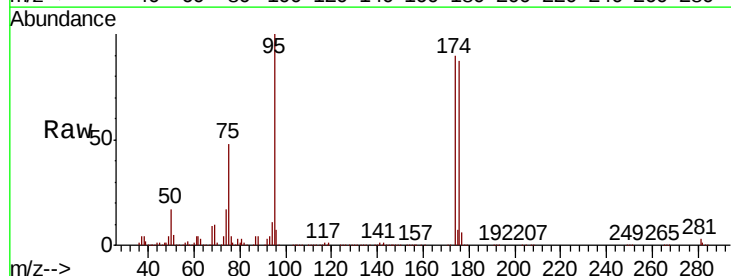
Tgt Ion: 95 Resp: 501384

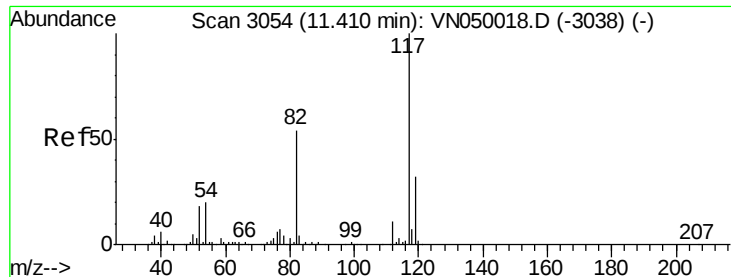
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

176 87.1 0.0 173.4

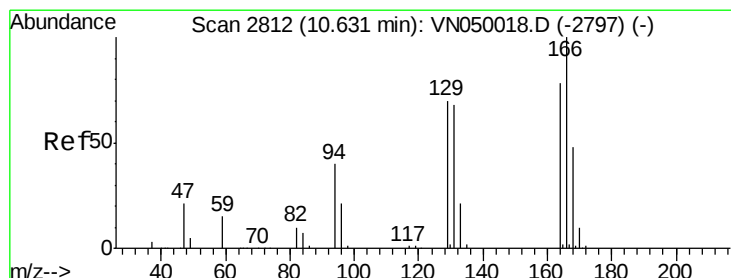
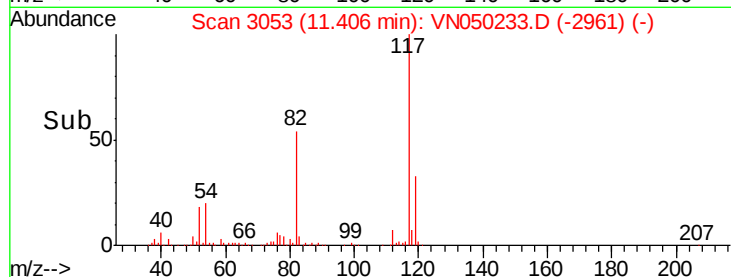
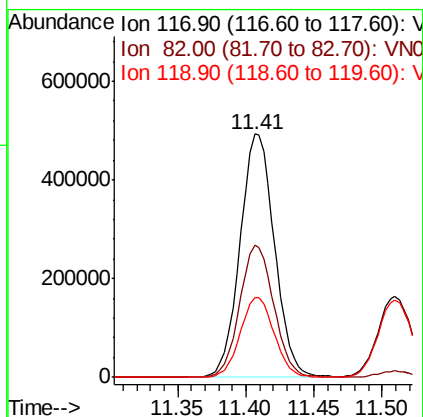
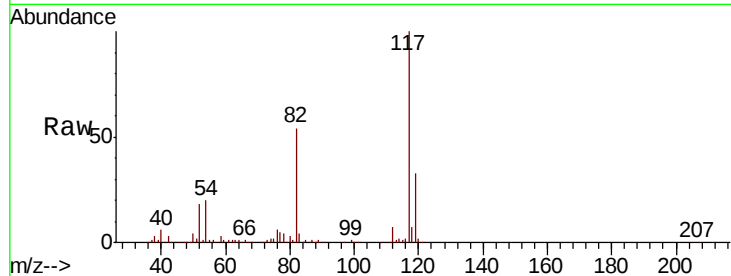




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

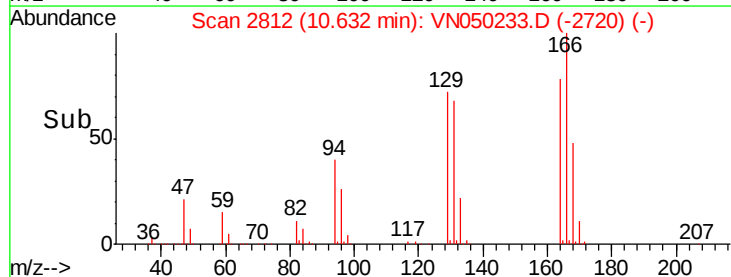
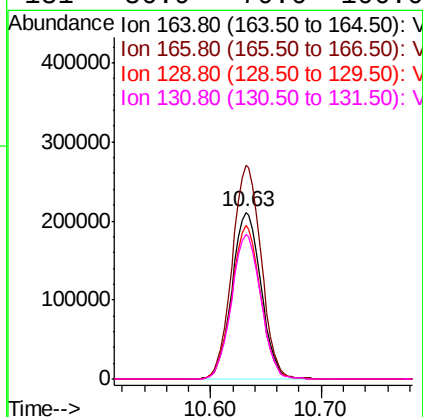
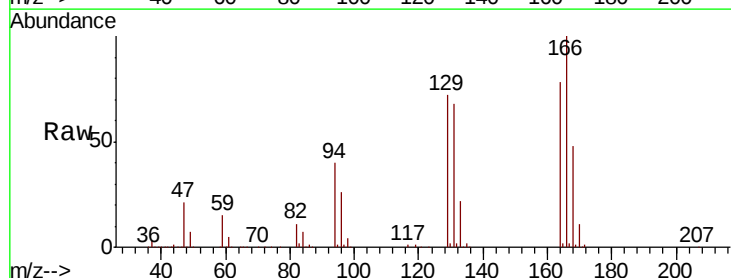
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

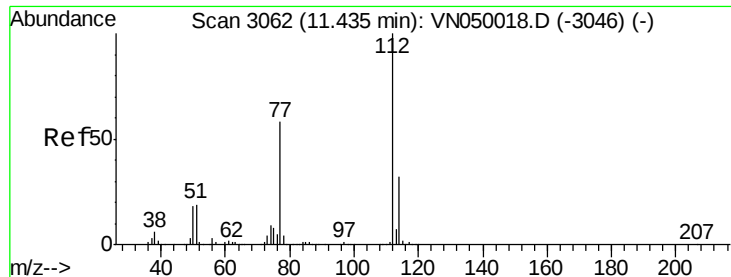
Tot Ion:117 Resp: 865904
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.7 26.1 39.1



#64
Tetrachloroethene
Concen: 46.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:164 Resp: 385598
Ion Ratio Lower Upper
164 100
166 128.0 102.1 153.1
129 91.8 73.2 109.8
131 86.9 70.6 106.0

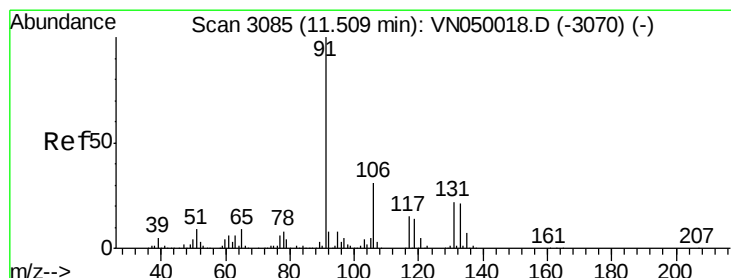
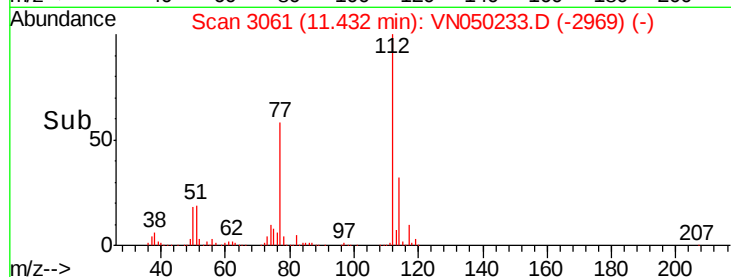
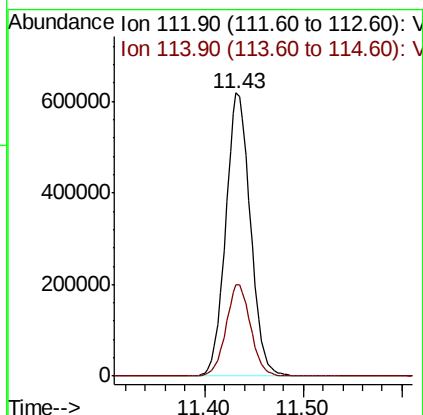
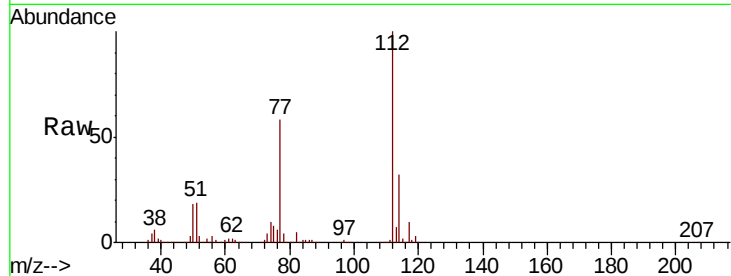




#65
Chlorobenzene
Concen: 49.55 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

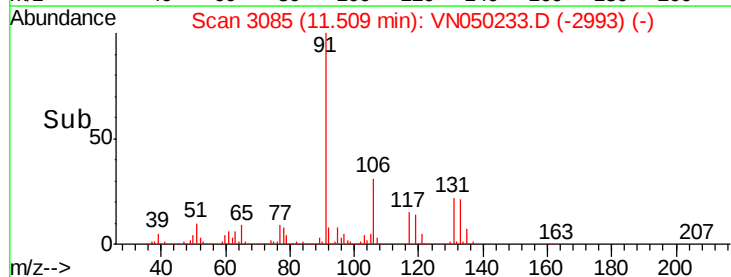
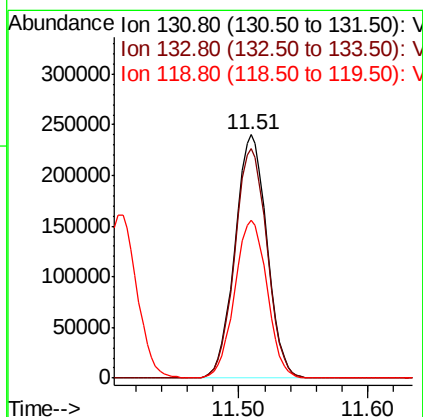
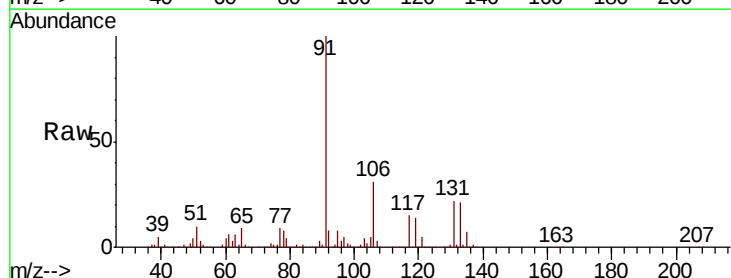
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

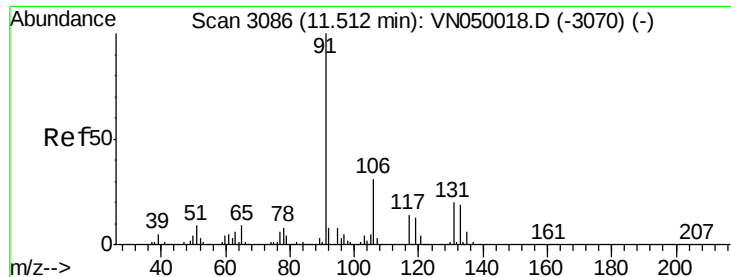
Tot Ion:112 Resp: 1083750
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.26 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:131 Resp: 413951
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.7 32.9 98.7

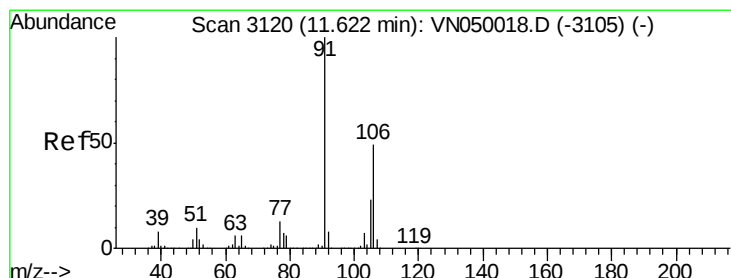
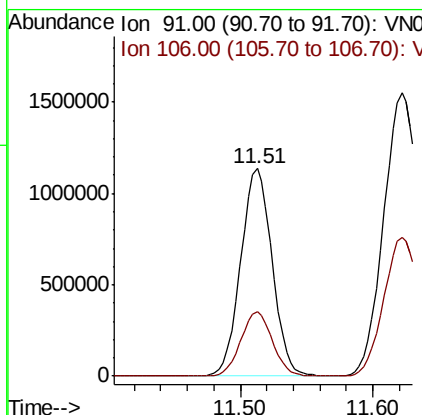
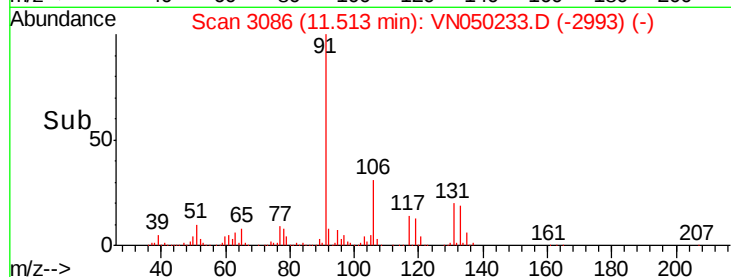
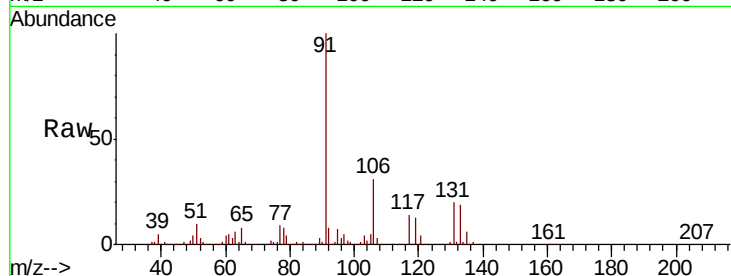




#67
Ethyl Benzene
Concen: 53.30 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

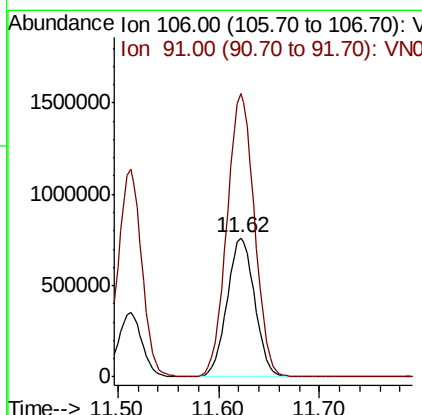
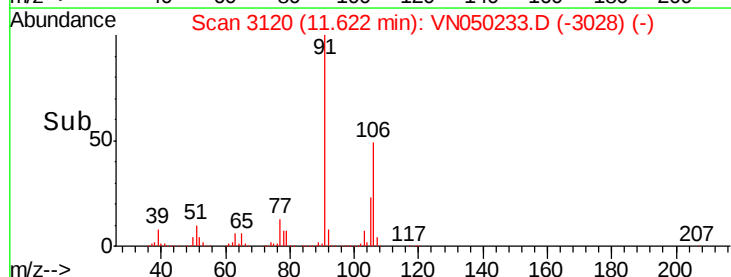
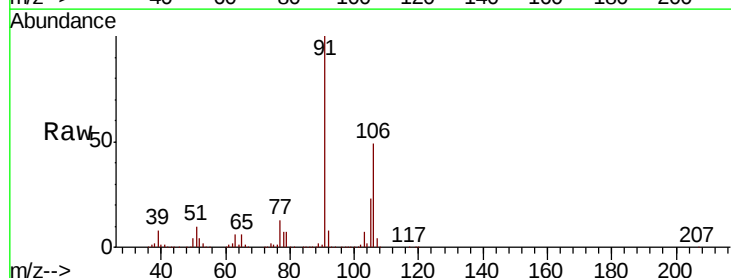
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

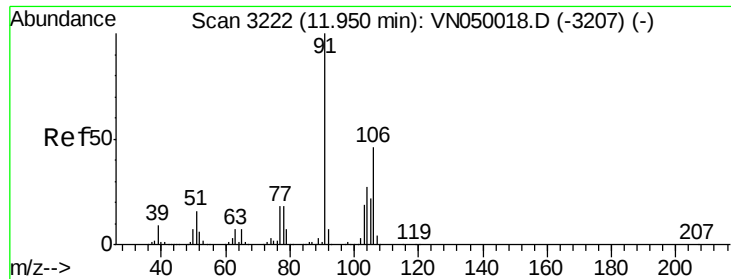
Tot Ion: 91 Resp: 1872671
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 109.43 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 106 Resp: 1454312
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2

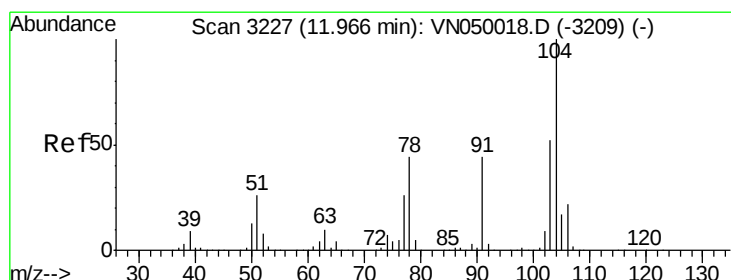
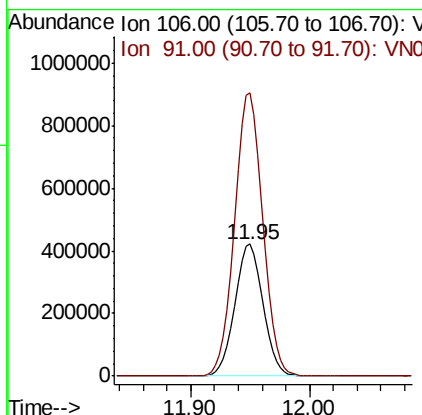
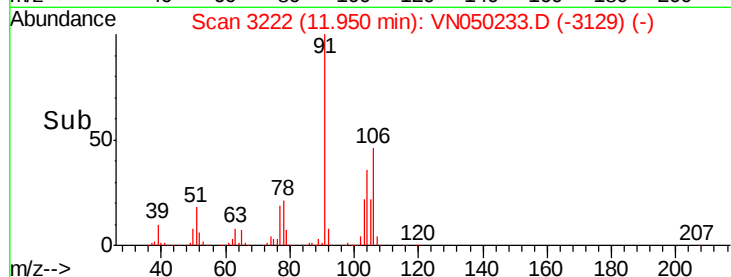
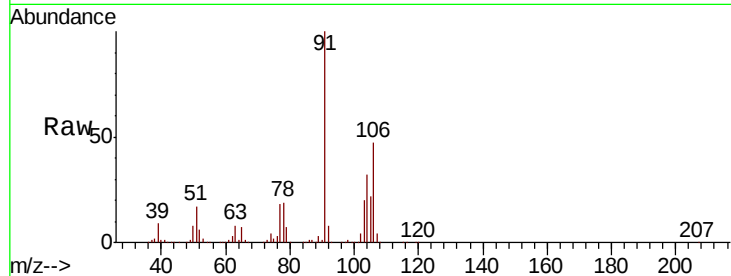




#69
o-Xylene
Concen: 54.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

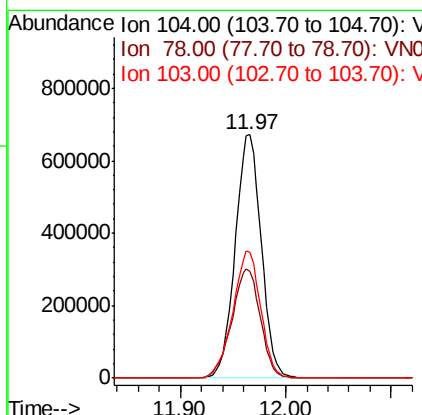
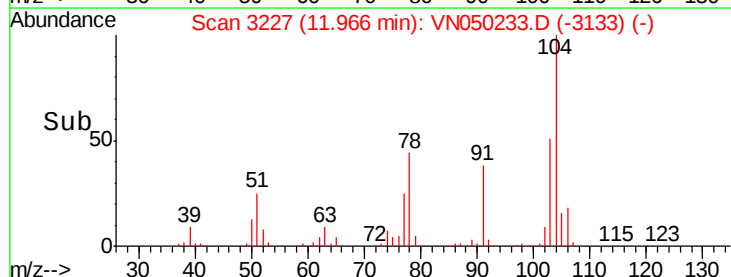
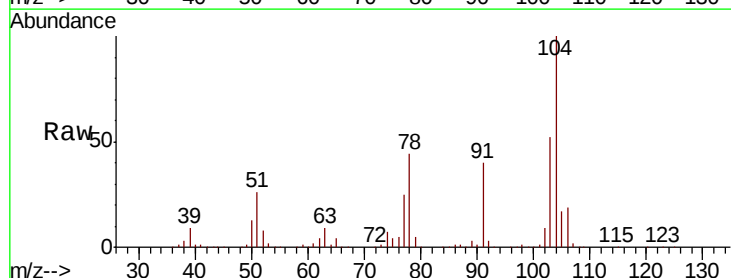
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

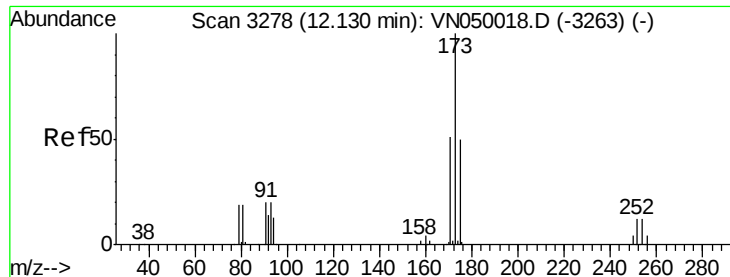
Tot Ion:106 Resp: 691177
Ion Ratio Lower Upper
106 100
91 214.8 107.7 323.1



#70
Styrene
Concen: 50.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:104 Resp: 1147162
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 55.9 45.0 67.6

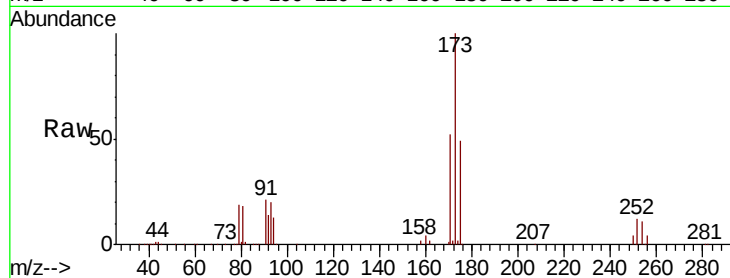




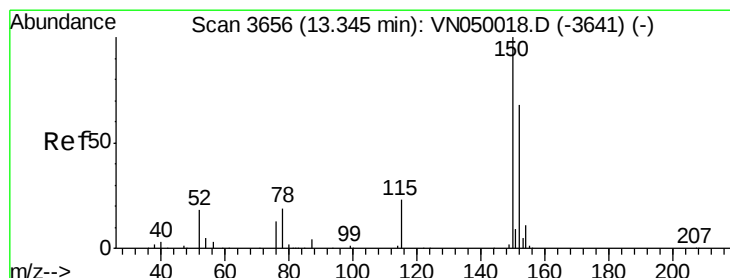
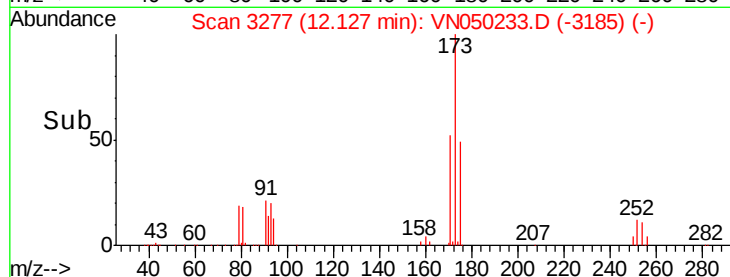
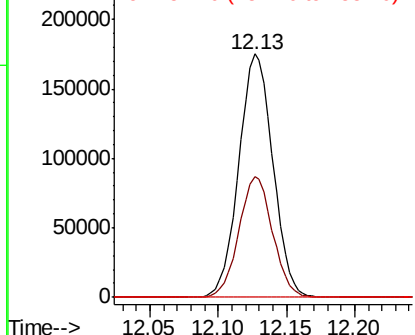
#71
Bromoform
Concen: 49.69 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 303788
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.2
254 0.1 0.2 0.2#

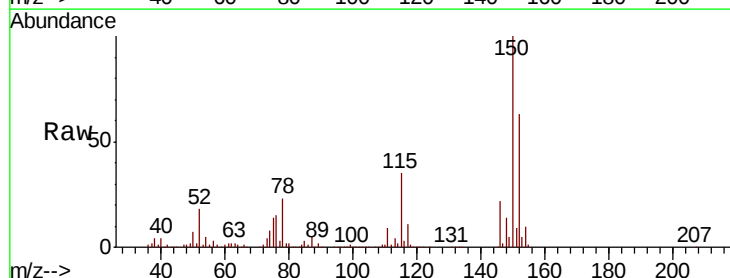


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

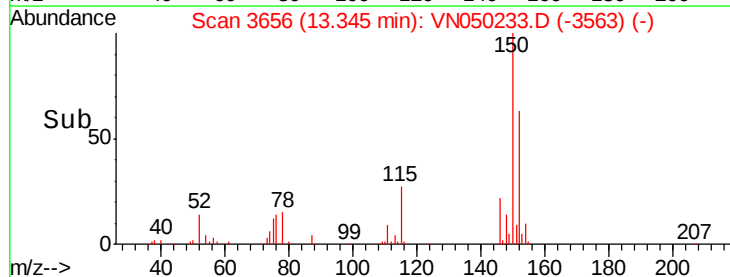
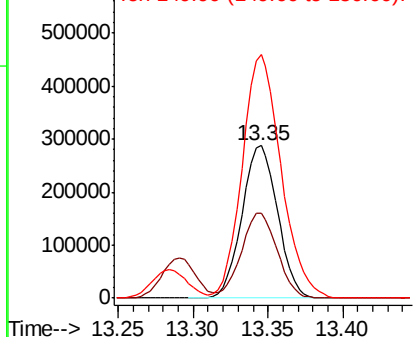


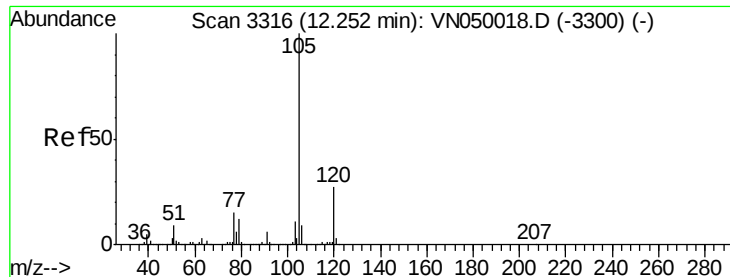
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:152 Resp: 477037
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 174.2 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: 50.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

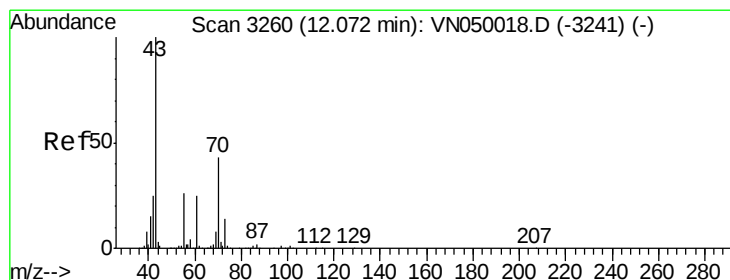
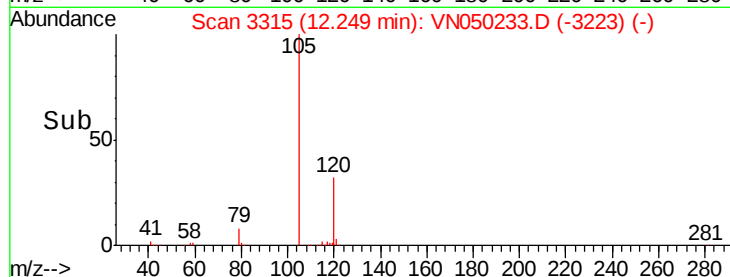
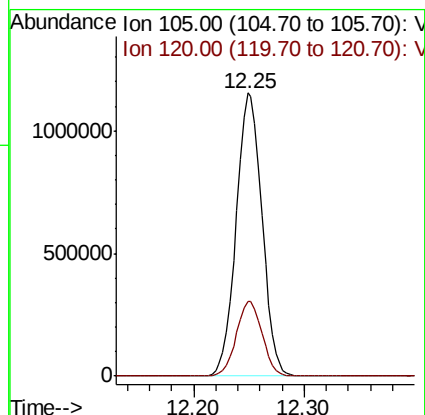
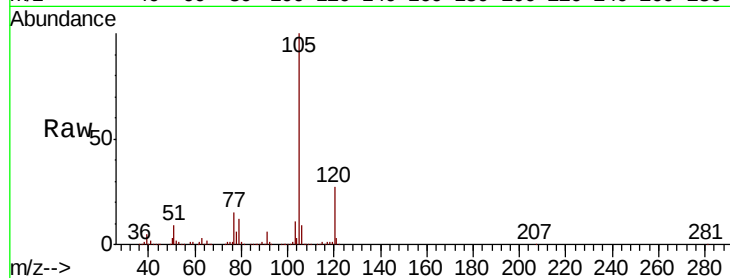
VSTDCCC050

Tot Ion:105 Resp: 1868115

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 47.23 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 534002

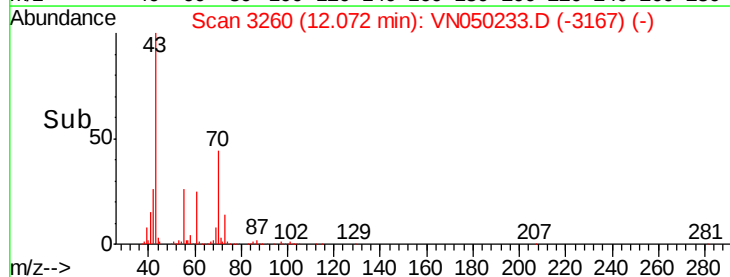
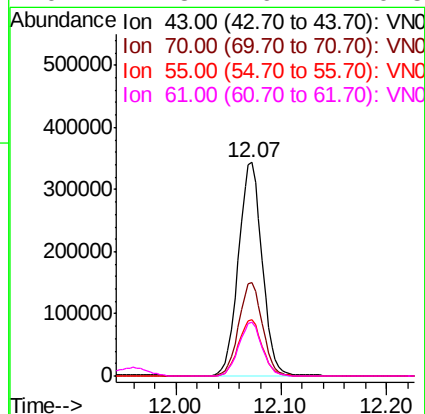
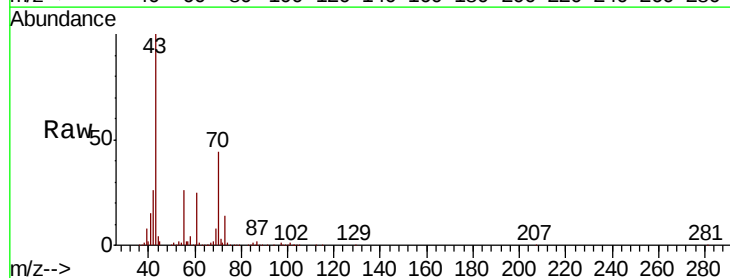
Ion Ratio Lower Upper

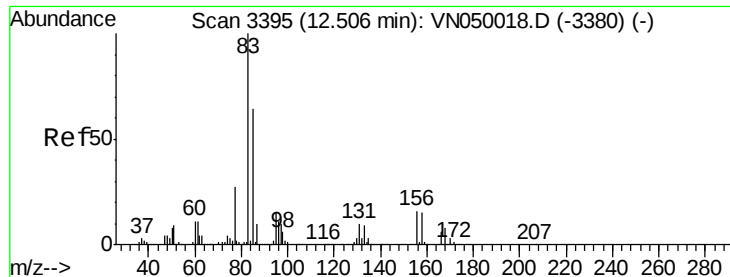
43 100

70 43.6 34.4 51.6

55 26.6 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

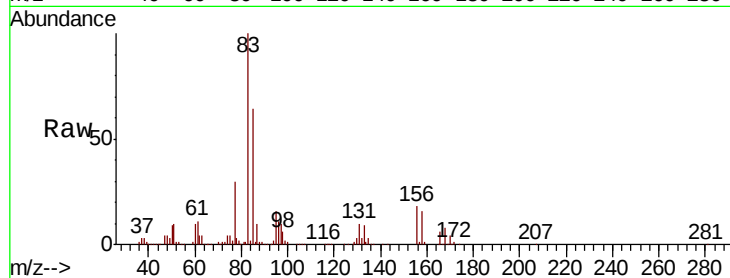
Tot Ion: 83 Resp: 490361

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

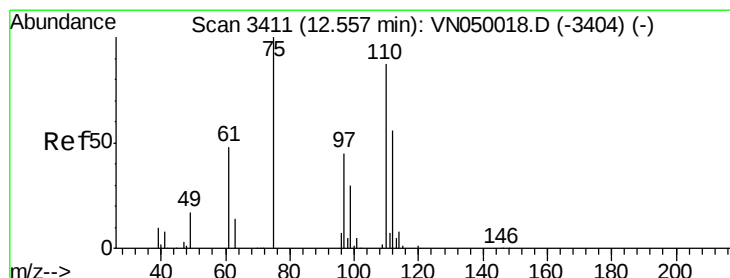
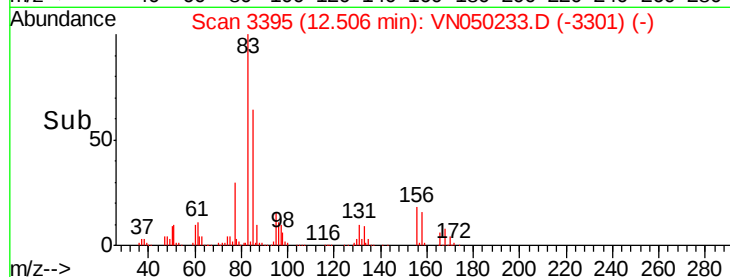
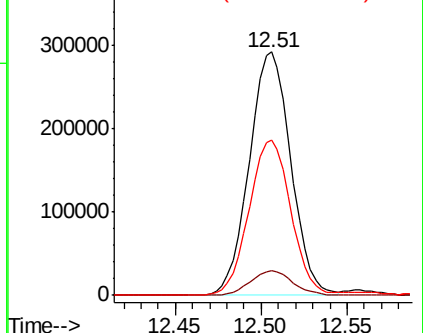
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050018.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 67.67 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050233.D

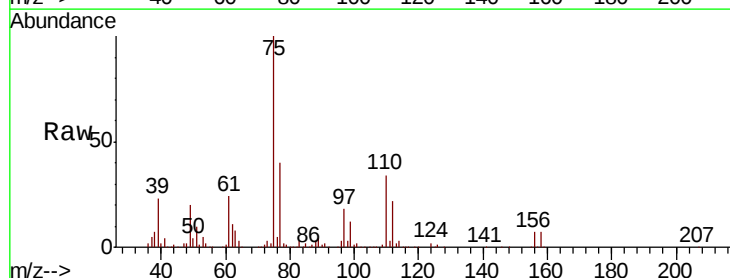
Acq: 1 Aug 2018 8:09

Tgt Ion: 75 Resp: 599962

Ion Ratio Lower Upper

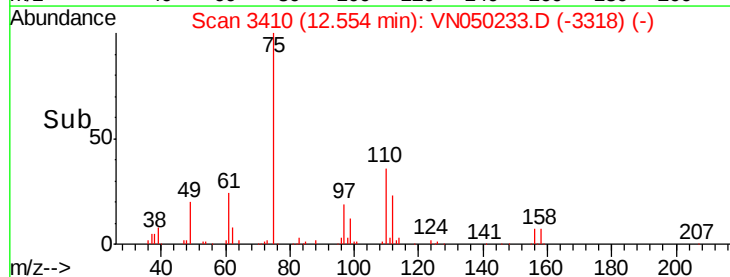
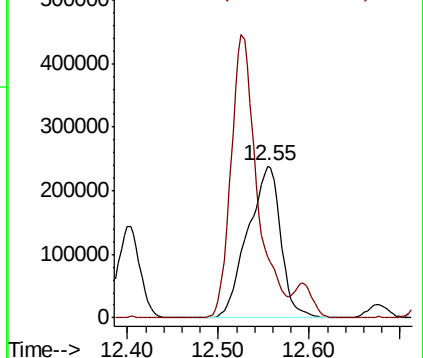
75 100

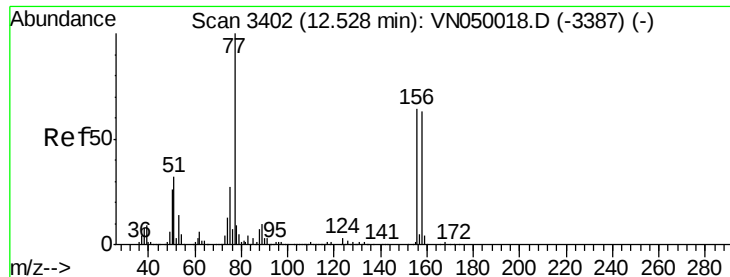
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)





#77

Bromobenzene

Concen: 47.35 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

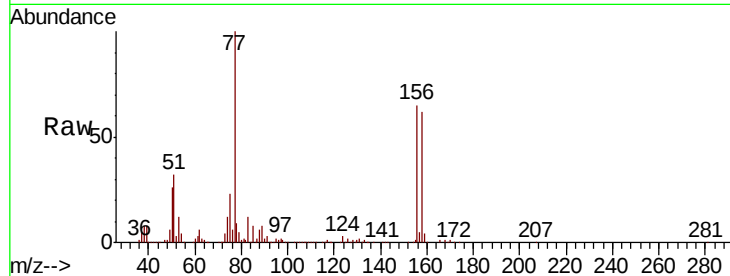
Tot Ion:156 Resp: 485527

Ion Ratio Lower Upper

156 100

77 183.0 91.7 275.1

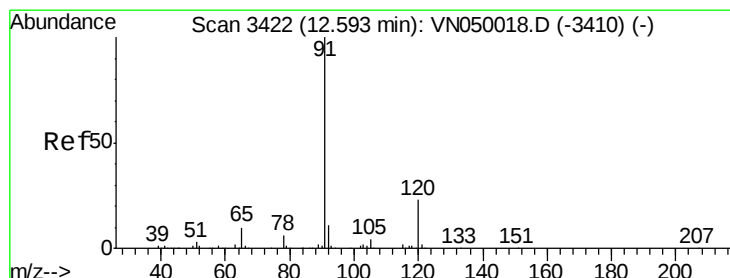
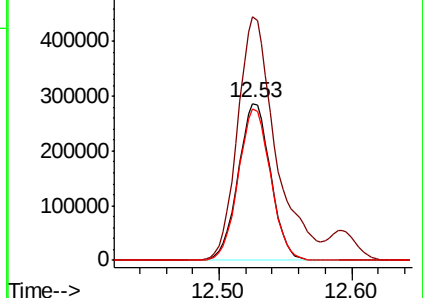
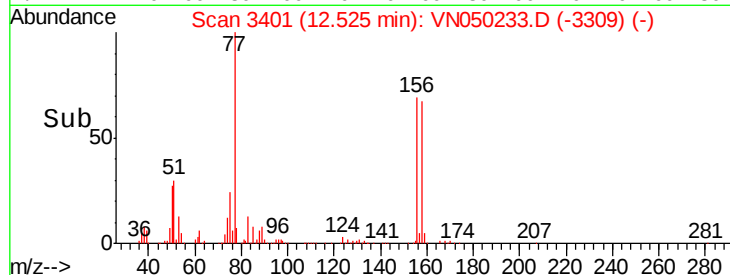
158 96.4 48.9 146.6



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: 53.18 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050233.D

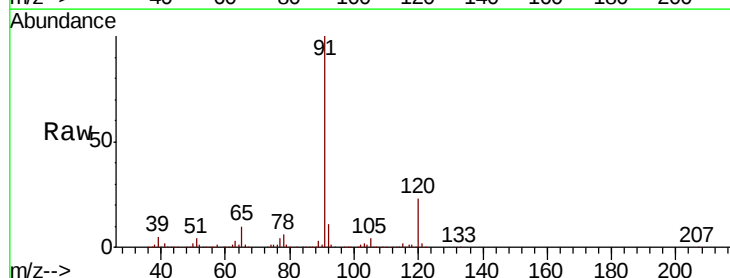
Acq: 1 Aug 2018 8:09

Tgt Ion: 91 Resp: 2199025

Ion Ratio Lower Upper

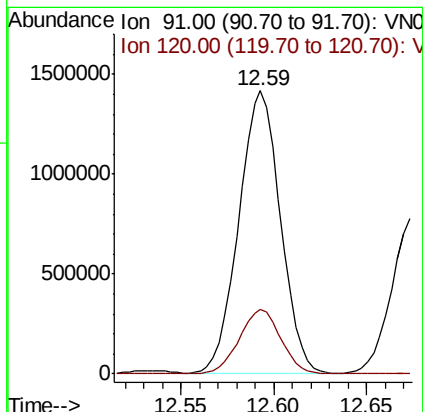
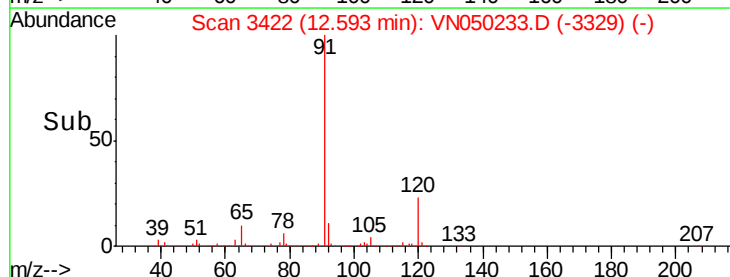
91 100

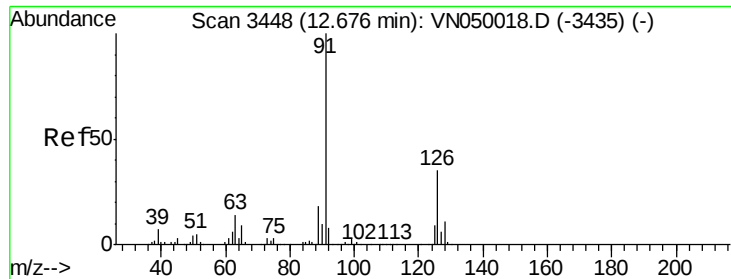
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

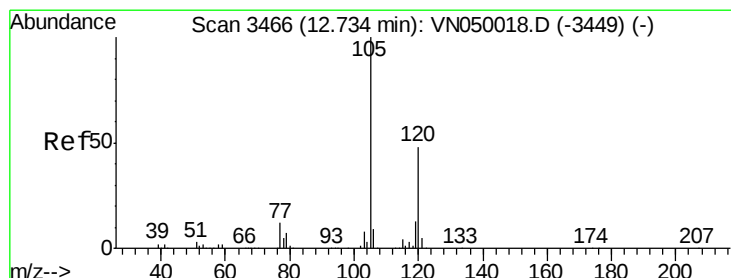
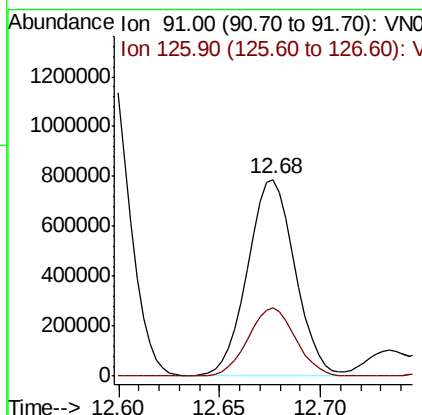
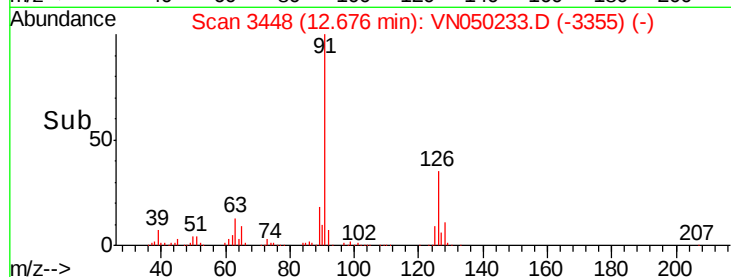
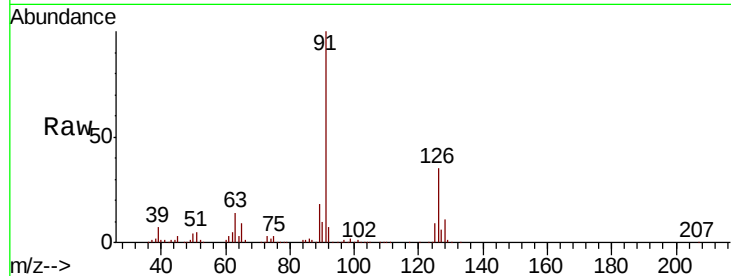




#79
 2-Chlorotoluene
 Concen: 50.43 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

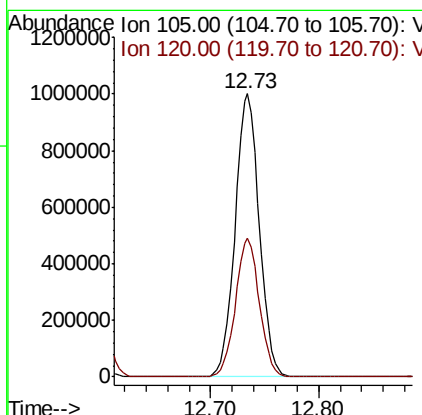
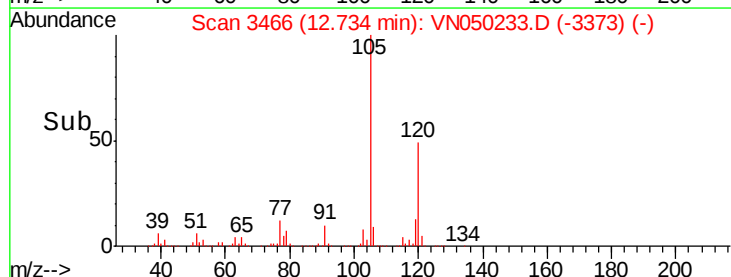
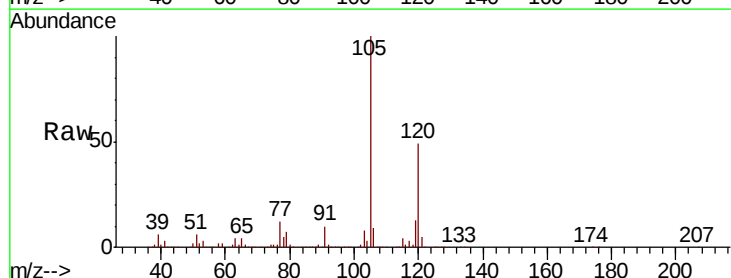
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

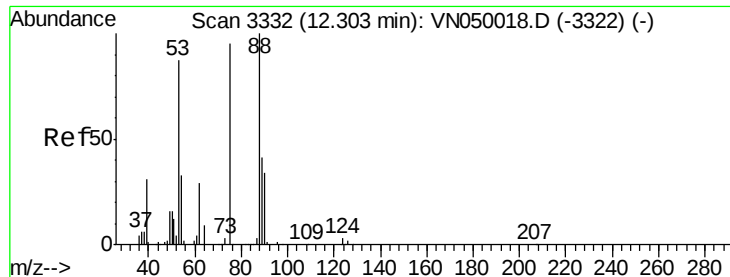
Tot Ion: 91 Resp: 1292456
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 53.48 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 105 Resp: 1556405
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.05 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

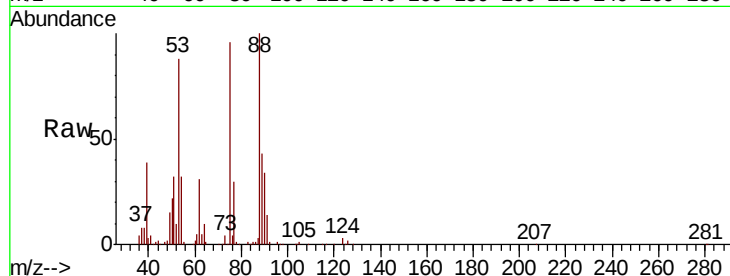
Tot Ion: 75 Resp: 137092

Ion Ratio Lower Upper

75 100

53 93.4 73.5 110.3

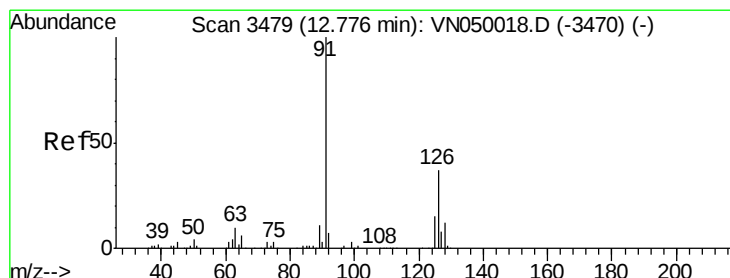
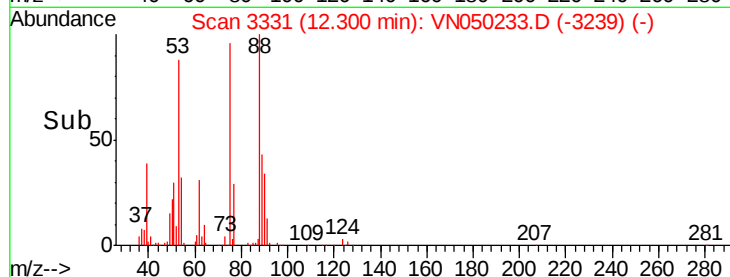
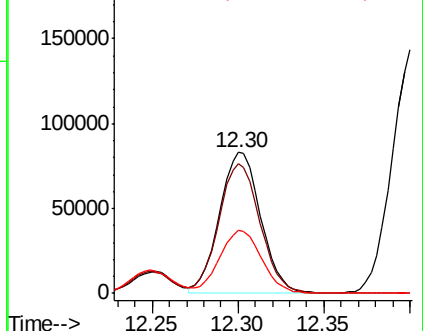
89 46.3 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.08 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050233.D

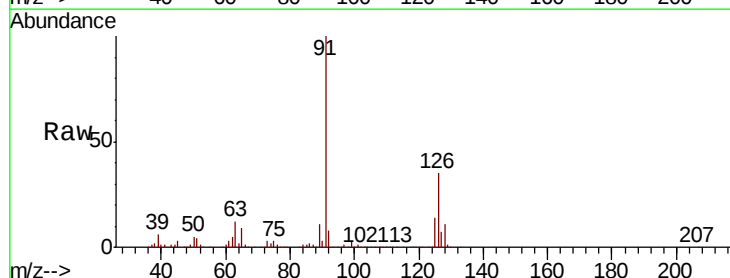
Acq: 1 Aug 2018 8:09

Tgt Ion: 91 Resp: 1321966

Ion Ratio Lower Upper

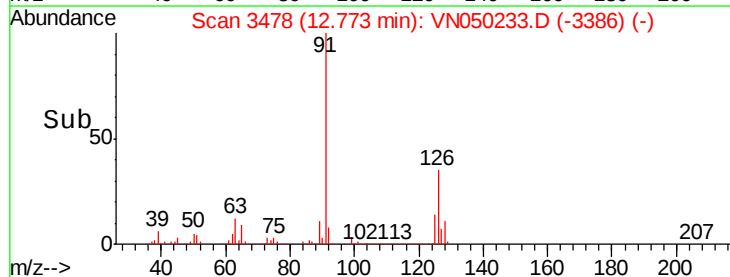
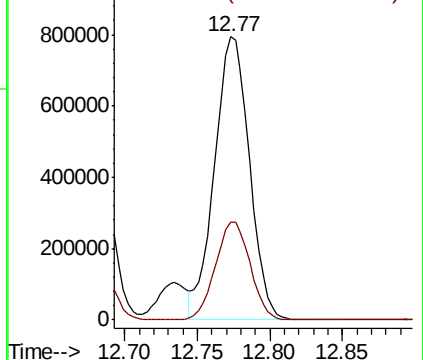
91 100

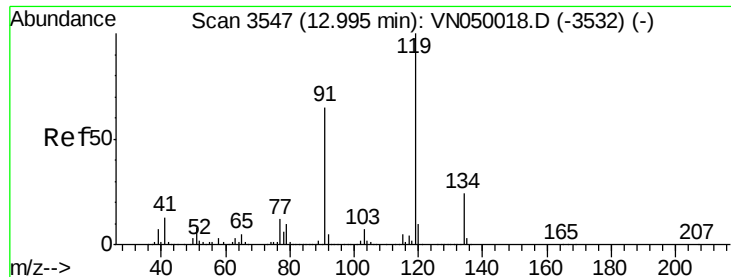
126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

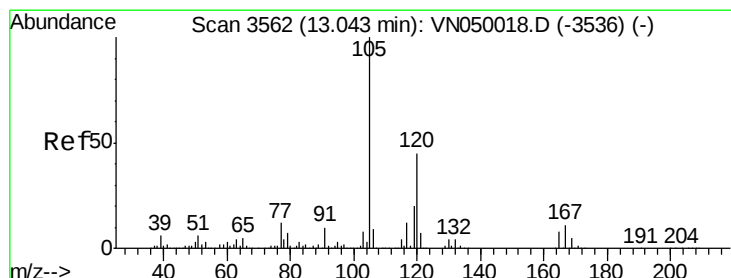
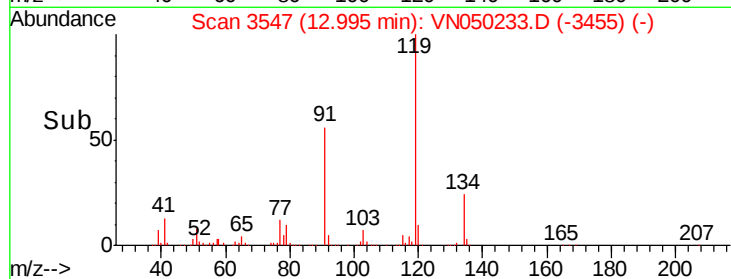
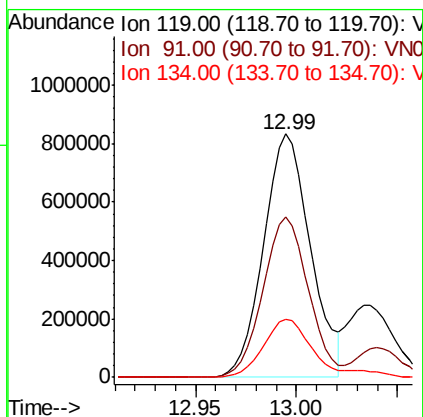
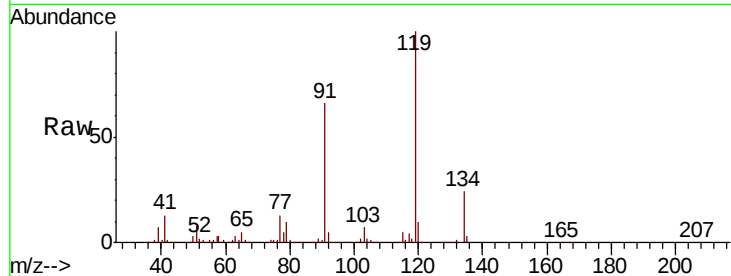




#83
 tert-Butylbenzene
 Concen: 53.13 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

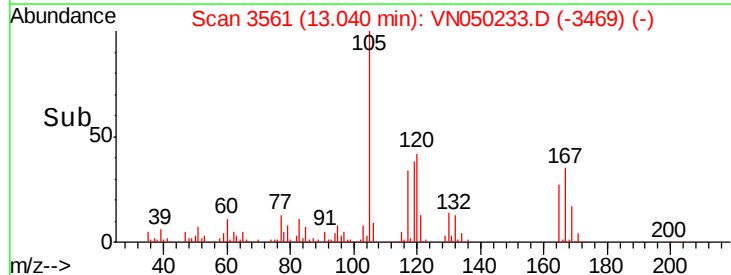
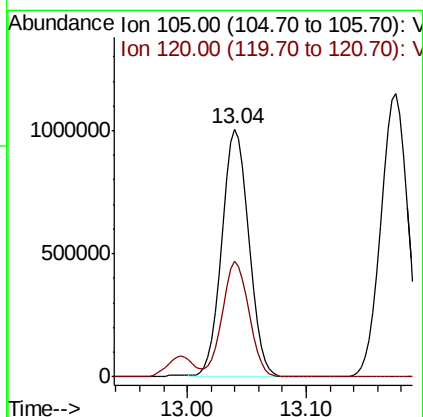
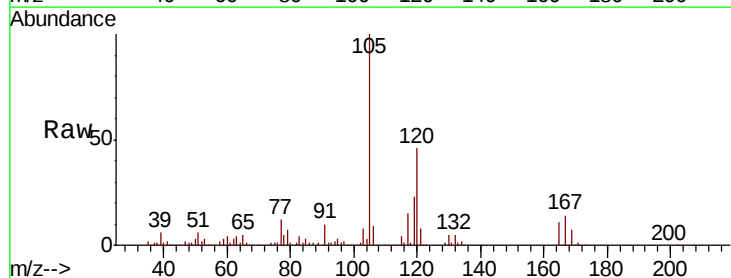
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

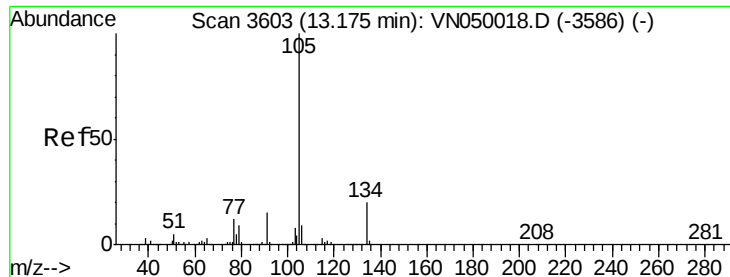
Tot Ion:119 Resp: 1349334
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 23.9 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 54.03 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion:105 Resp: 1584719
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 53.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

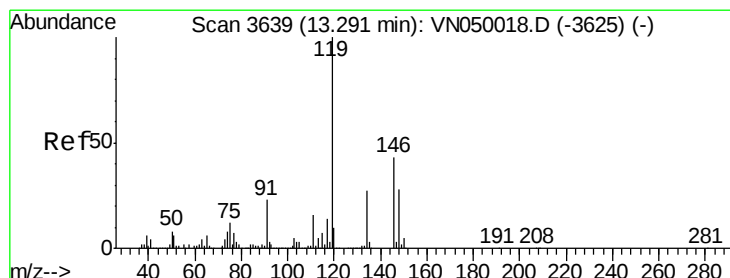
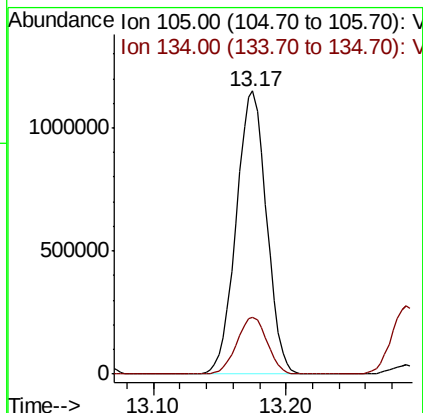
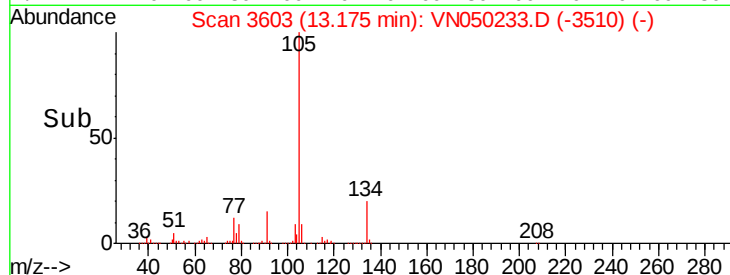
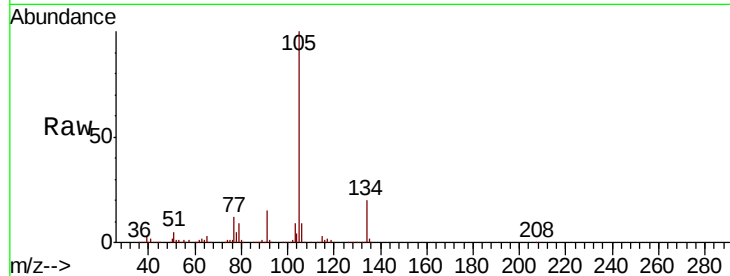
VSTDCCC050

Tot Ion:105 Resp: 1823989

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 55.91 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

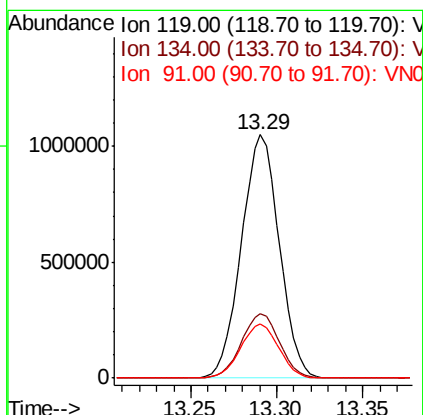
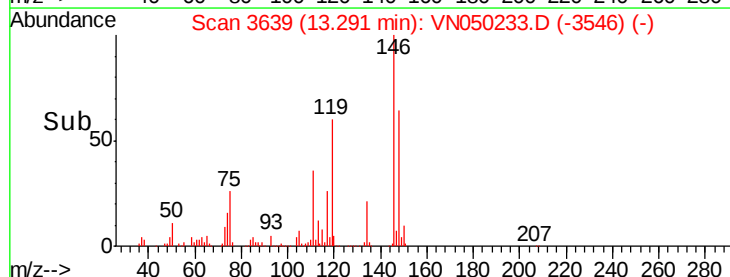
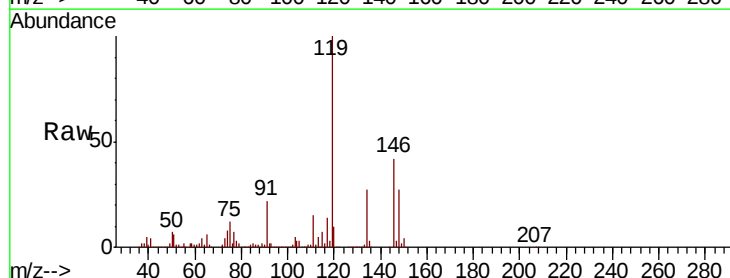
Tgt Ion:119 Resp: 1598744

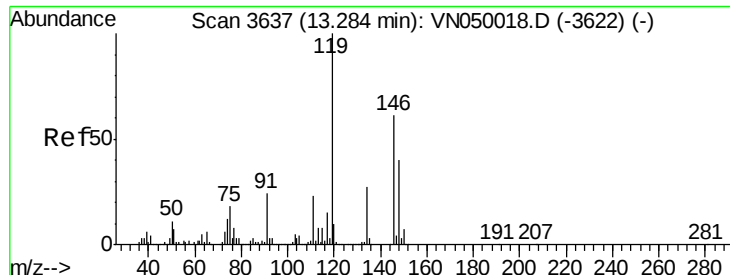
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.64 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

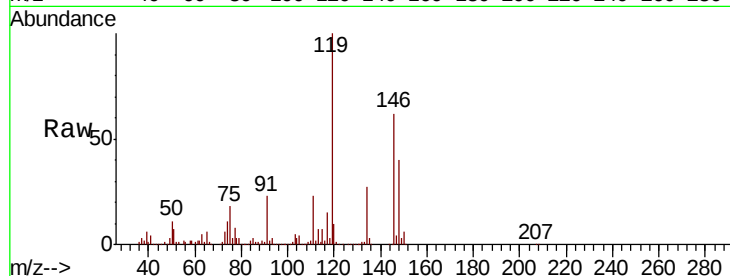
Tot Ion:146 Resp: 862821

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.4

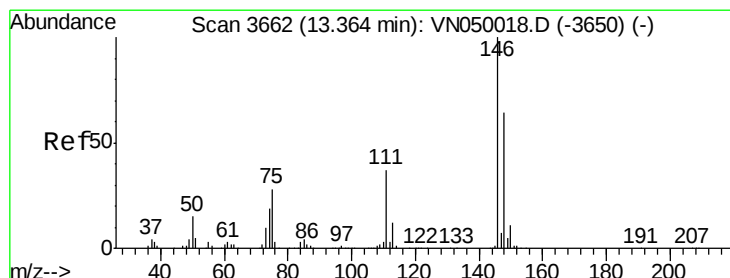
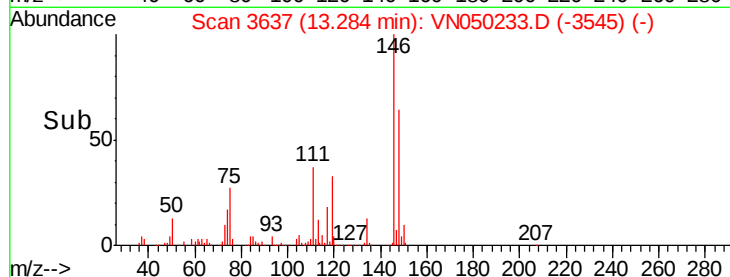
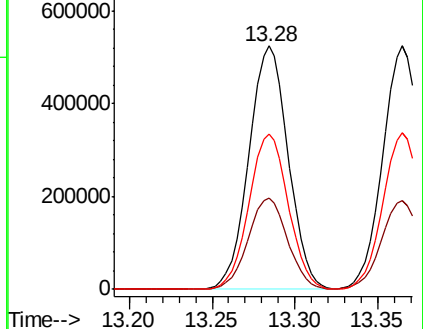
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.60 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

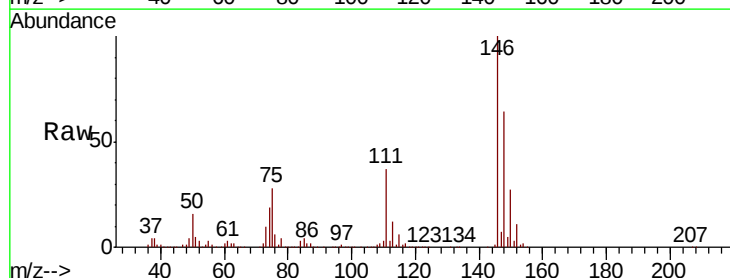
Tgt Ion:146 Resp: 840375

Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.9

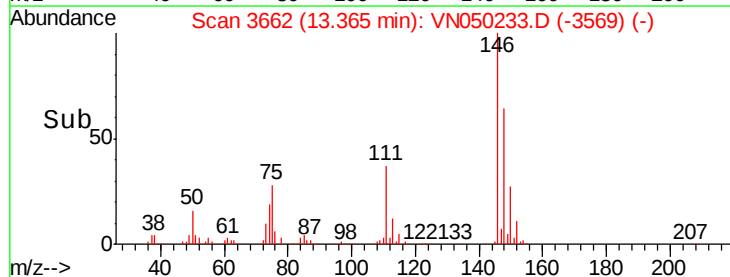
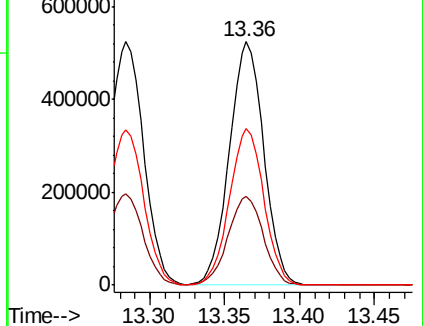
148 64.4 31.9 95.9

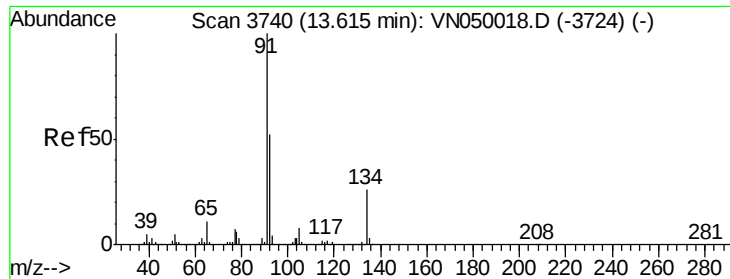


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

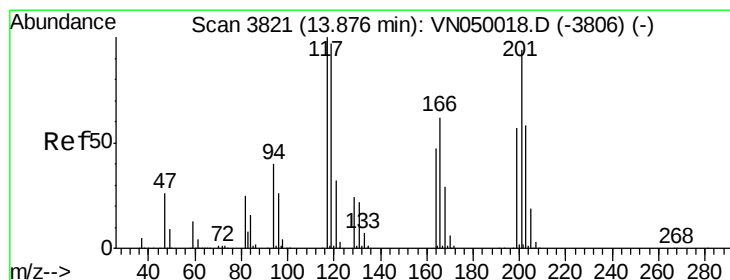
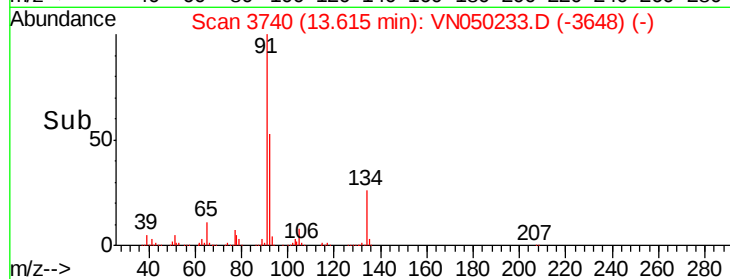
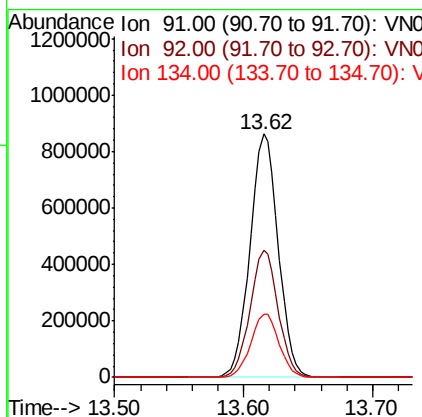
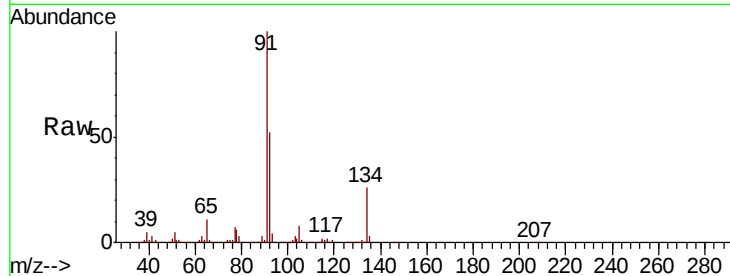




#89
n-Butylbenzene
Concen: 55.85 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

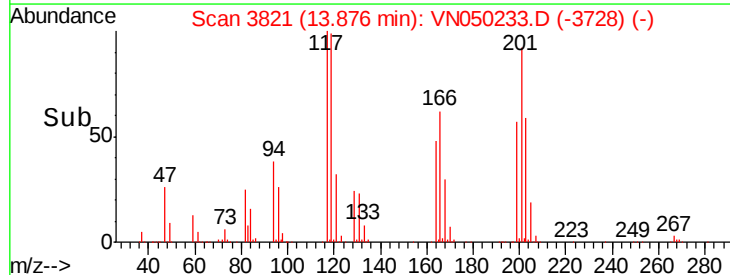
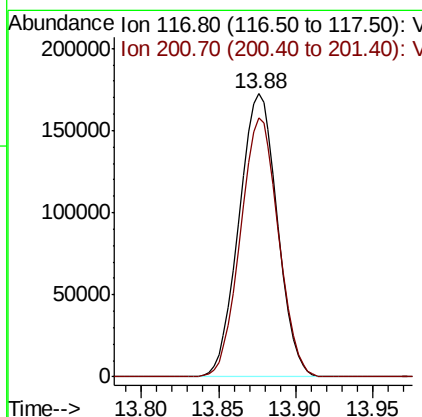
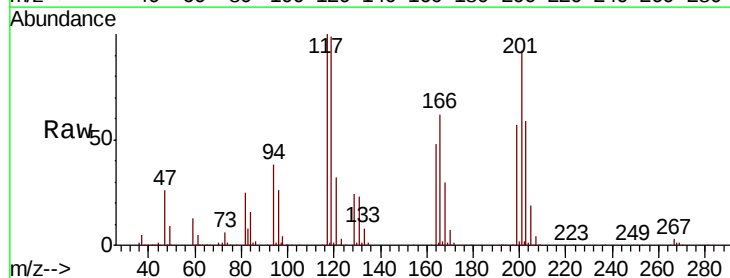
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

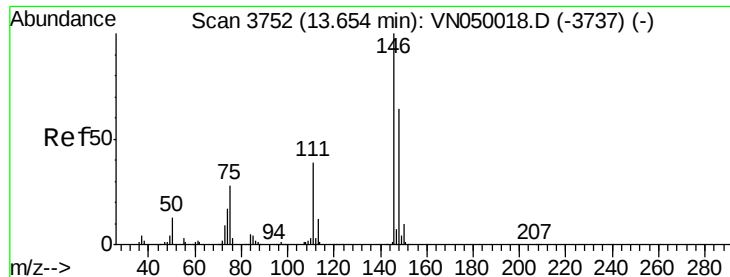
Tot Ion: 91 Resp: 1313147
Ion Ratio Lower Upper
91 100
92 51.8 25.8 77.4
134 26.2 12.8 38.4



#90
Hexachloroethane
Concen: 46.91 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 117 Resp: 297803
Ion Ratio Lower Upper
117 100
201 90.4 45.6 136.8

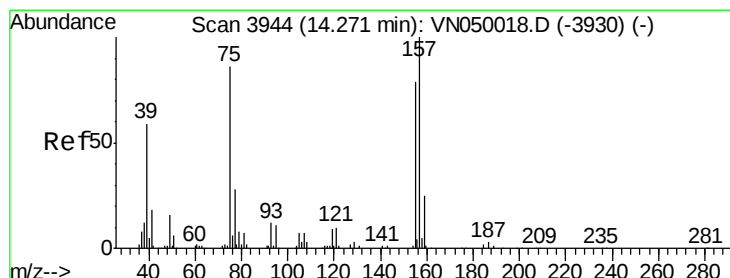
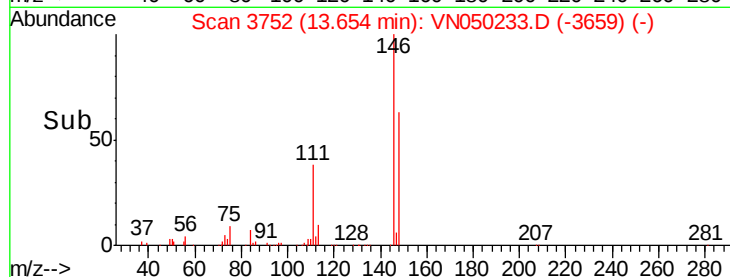
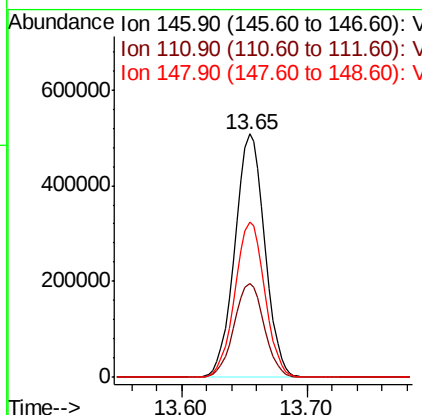
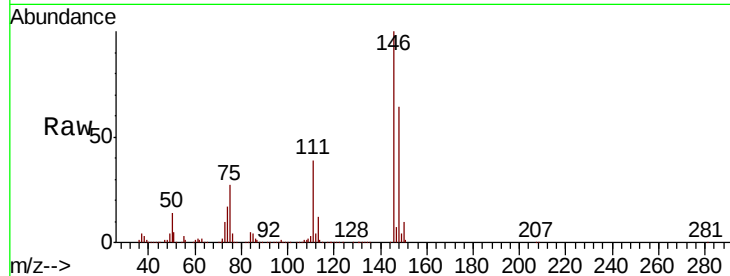




#91
 1,2-Dichlorobenzene
 Concen: 48.31 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

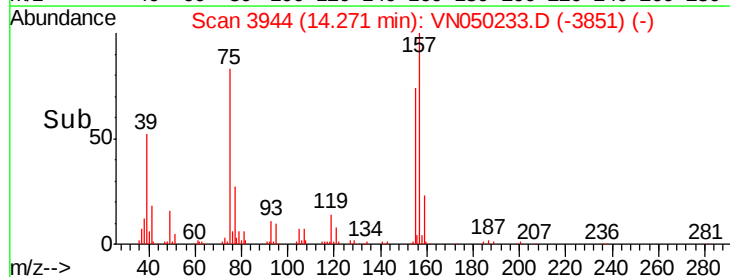
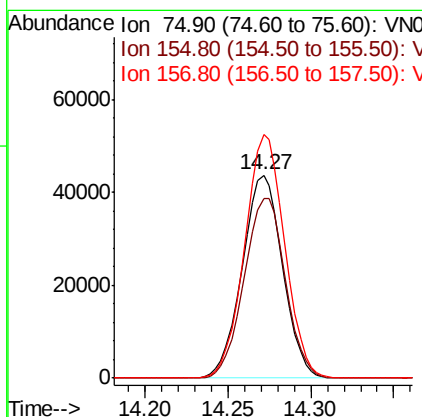
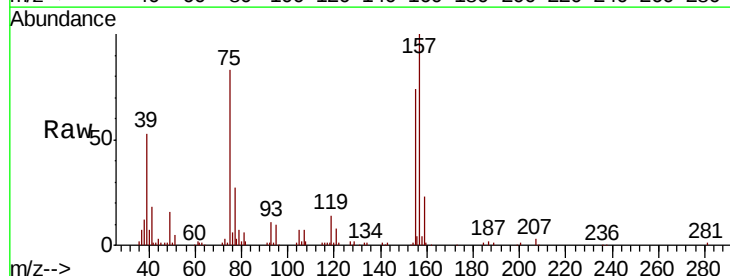
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

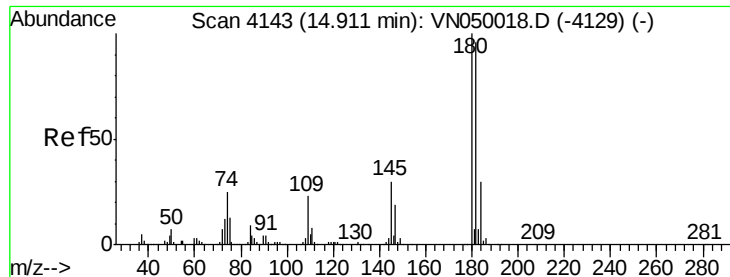
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.0	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.96 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	44.8	134.4
157	118.7	57.2	171.6

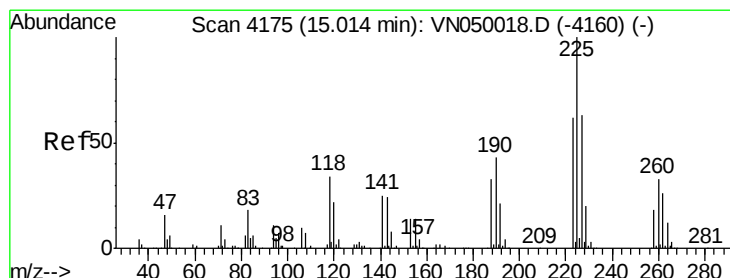
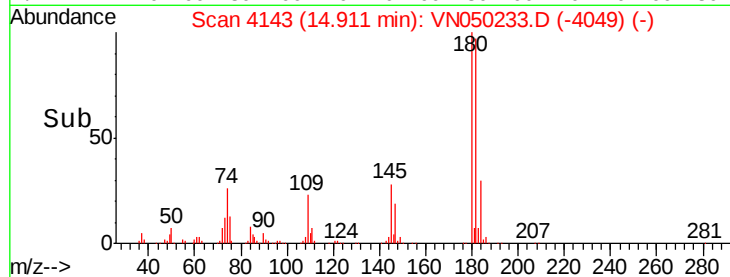
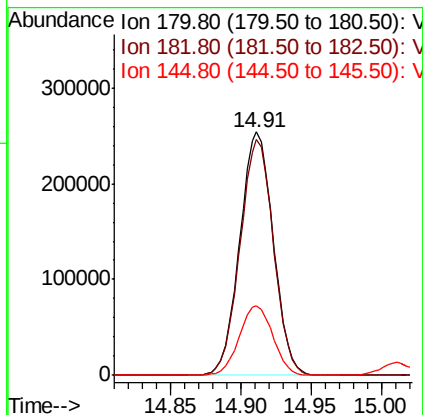
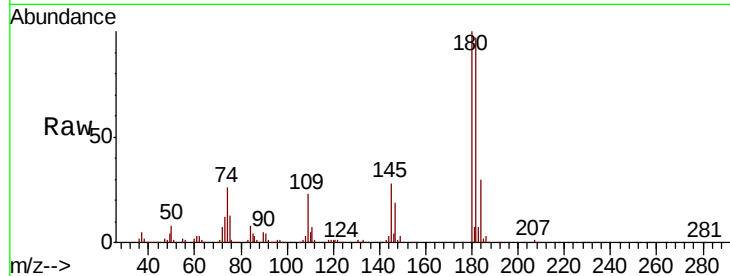




#93
 1,2,4-Trichlorobenzene
 Concen: 46.14 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

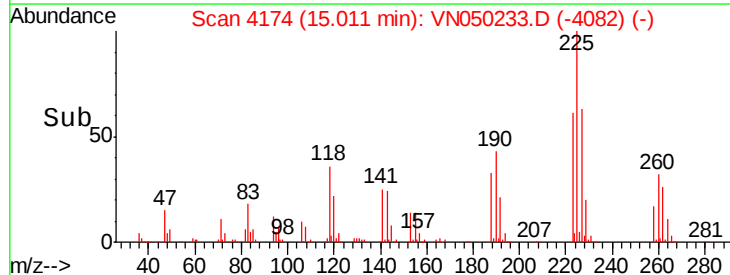
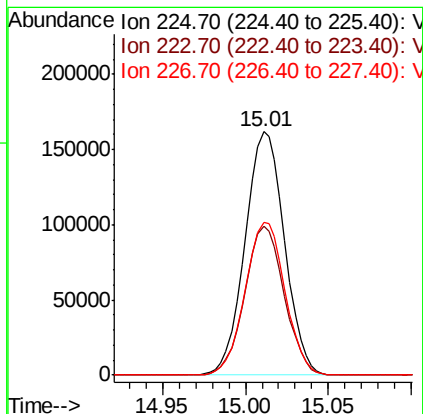
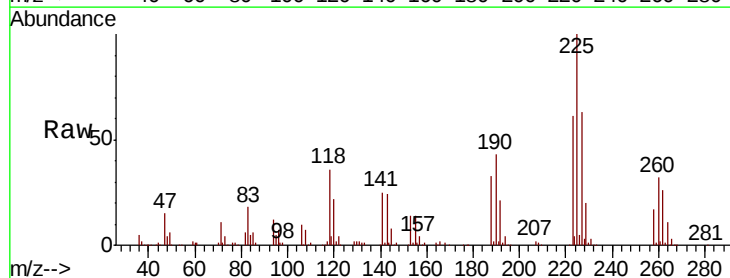
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

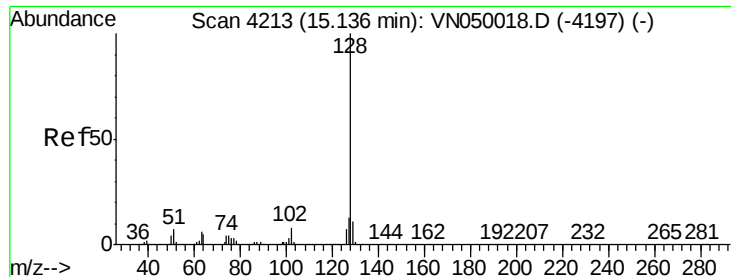
Tot Ion:180 Resp: 422891
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.7 140.1
 145 28.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 50.28 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion:225 Resp: 267450
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.4 94.2
 227 63.5 32.1 96.5

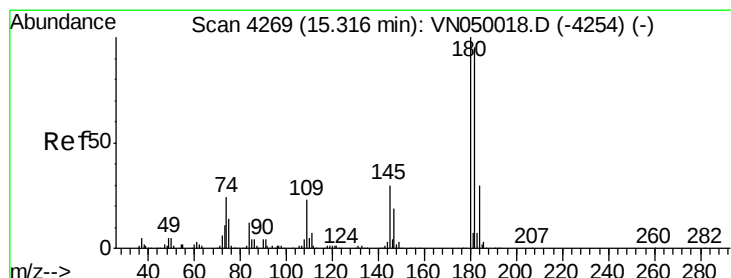
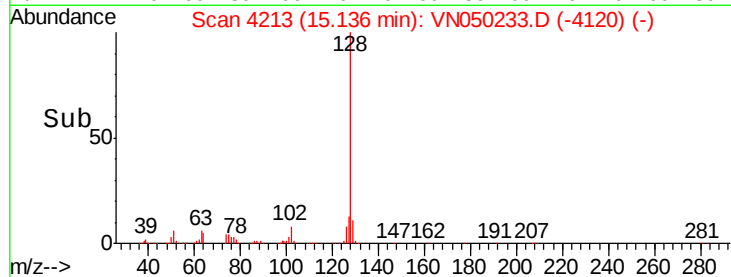
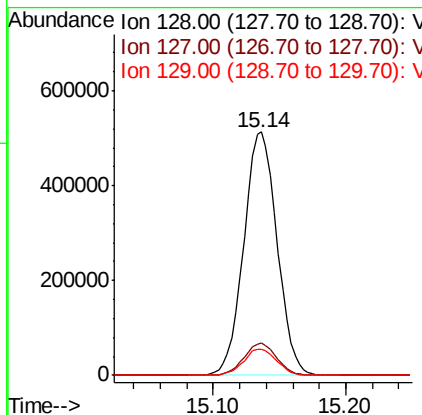
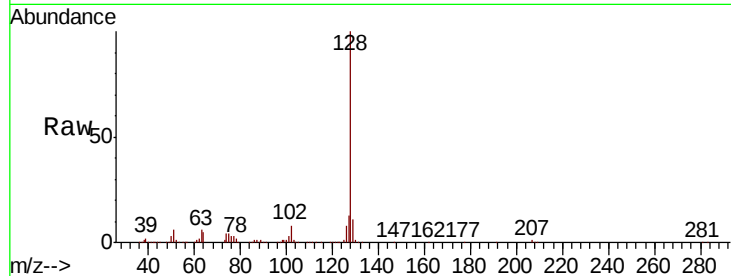




#95
Naphthalene
Concen: 41.76 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.08 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.4
145	30.1	15.3	45.9

