

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050837.D
 Acq On : 23 Aug 2018 8:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:05:48 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	700927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	457596	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400182	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	380750	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.09	98	1462106	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	487788	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	492530	52.51	ug/l	100
3) Chloromethane	2.06	50	527694	45.61	ug/l	99
4) Vinyl Chloride	2.18	62	534007	48.72	ug/l	100
5) Bromomethane	2.56	94	300720	48.24	ug/l	97
6) Chloroethane	2.70	64	298167	47.09	ug/l	98
7) Trichlorofluoromethane	3.01	101	687830	49.01	ug/l	99
8) Diethyl Ether	3.41	74	230673	48.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	431847	49.25	ug/l	99
10) Methyl Iodide	3.95	142	328360	43.60	ug/l	100
11) Tert butyl alcohol	4.79	59	121032	225.25	ug/l	99
12) 1,1-Dichloroethene	3.73	96	386905	49.15	ug/l	98
13) Acrolein	3.61	56	58902	192.19	ug/l	97
14) Allyl chloride	4.32	41	602388	49.11	ug/l	99
15) Acrylonitrile	4.99	53	648685	237.55	ug/l	100
16) Acetone	3.82	43	478454	239.14	ug/l	99
17) Carbon Disulfide	4.05	76	1187318	44.99	ug/l	100
18) Methyl Acetate	4.33	43	360841	45.29	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1009601	50.98	ug/l	99
20) Methylene Chloride	4.55	84	440313	46.30	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	415544	48.80	ug/l	98
22) Diisopropyl ether	5.95	45	1261103	51.59	ug/l	99
23) Vinyl Acetate	5.90	43	4016434	255.11	ug/l	100
24) 1,1-Dichloroethane	5.85	63	758796	48.35	ug/l	99
25) 2-Butanone	6.84	43	734330	215.95	ug/l	99
26) 2,2-Dichloropropane	6.82	77	613859	48.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	457469	49.84	ug/l	99
28) Bromochloromethane	7.20	49	318782	47.80	ug/l	100
29) Tetrahydrofuran	7.21	42	479522	245.95	ug/l	99
30) Chloroform	7.37	83	752215	48.40	ug/l	99
31) Cyclohexane	7.65	56	693620	48.64	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	649640	48.66	ug/l	99
36) 1,1-Dichloropropene	7.79	75	597536	52.08	ug/l	100
37) Ethyl Acetate	6.93	43	322864	48.99	ug/l	99
38) Carbon Tetrachloride	7.77	117	585707	50.50	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668802	53.88	ug/l	98
40) Benzene	8.04	78	1770201	51.17	ug/l	100
41) Methacrylonitrile	7.17	41	177931	49.89	ug/l	98
42) 1,2-Dichloroethane	8.12	62	521527	50.42	ug/l	100
43) Isopropyl Acetate	8.17	43	588914	51.97	ug/l #	89
44) Trichloroethene	8.84	130	464012	50.85	ug/l	98
45) 1,2-Dichloropropane	9.12	63	457230	50.28	ug/l	100
46) Dibromomethane	9.21	93	267739	50.11	ug/l	100
47) Bromodichloromethane	9.40	83	573889	51.28	ug/l	99
48) Methyl methacrylate	9.20	41	296483	51.34	ug/l	99
49) 1,4-Dioxane	9.20	88	79586	1010.90	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1624019	240.16	ug/l	99
52) Toluene	10.16	92	1095412	53.45	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	577524	51.85	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	683035	53.55	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	380766	50.06	ug/l	99
56) Ethyl methacrylate	10.43	69	461829	46.83	ug/l	98
57) 1,3-Dichloropropane	10.71	76	641698	51.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1009107	234.50	ug/l	100
59) 2-Hexanone	10.75	43	1081522	240.24	ug/l	99
60) Dibromochloromethane	10.90	129	438915	51.53	ug/l	99
61) 1,2-Dibromoethane	11.01	107	377522	51.32	ug/l	100
64) Tetrachloroethene	10.63	164	420278	49.66	ug/l	99
65) Chlorobenzene	11.43	112	1186563	50.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	438092	51.41	ug/l	99
67) Ethyl Benzene	11.51	91	2041751	53.92	ug/l	100
68) m/p-Xylenes	11.62	106	1599576	111.30	ug/l	100
69) o-Xylene	11.95	106	754981	54.64	ug/l	100
70) Styrene	11.96	104	1220818	50.13	ug/l	100
71) Bromoform	12.13	173	298841	50.99	ug/l #	100
73) Isopropylbenzene	12.25	105	2014505	53.17	ug/l	100
74) N-amyl acetate	12.07	43	482199	50.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	464493	51.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	552968	68.99	ug/l #	100
77) Bromobenzene	12.53	156	500353	48.59	ug/l	99
78) n-propylbenzene	12.59	91	2292524	54.16	ug/l	99
79) 2-Chlorotoluene	12.67	91	1348862	51.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1646916	53.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	118889	50.15	ug/l	96
82) 4-Chlorotoluene	12.77	91	1353860	52.01	ug/l	99
83) tert-Butylbenzene	12.99	119	1397865	52.79	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1664459	54.12	ug/l	99
85) sec-Butylbenzene	13.17	105	1866922	53.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	1647852	55.74	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	880745	50.40	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	845749	49.18	ug/l	100
89) n-Butylbenzene	13.62	91	1313286	55.54	ug/l	99
90) Hexachloroethane	13.87	117	291183	51.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	838875	49.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62026	45.58	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	403306	46.31	ug/l	99
94) Hexachlorobutadiene	15.01	225	264512	52.99	ug/l	100
95) Naphthalene	15.13	128	775539	43.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	388272	47.41	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

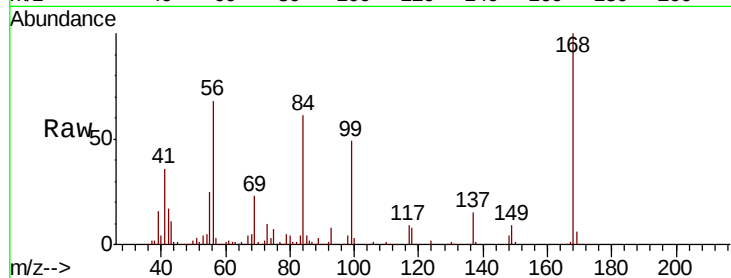
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 700927

Ion Ratio Lower Upper

168 100

99 48.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

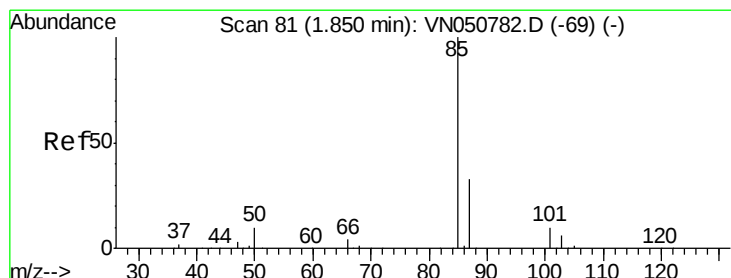
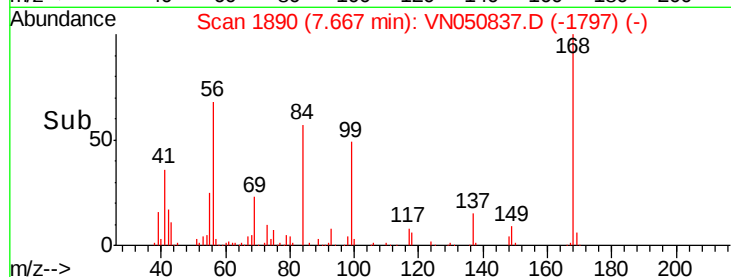
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.51 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050837.D

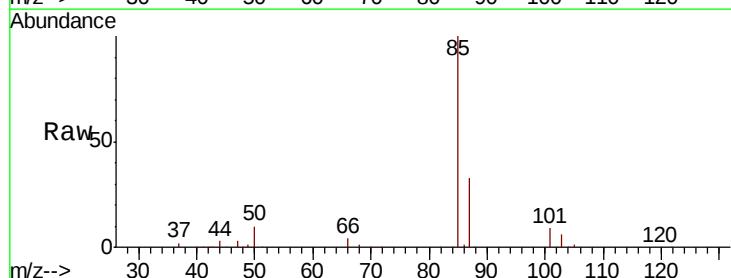
Acq: 23 Aug 2018 8:31

Tgt Ion: 85 Resp: 492530

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

300000

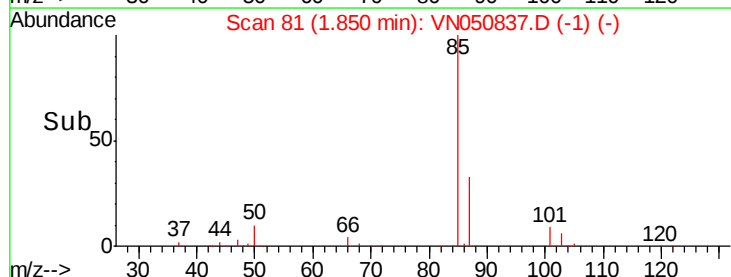
200000

100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 45.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

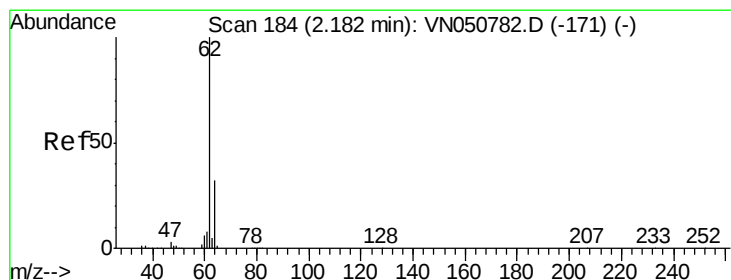
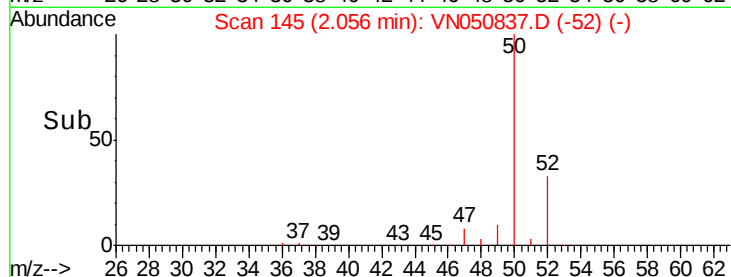
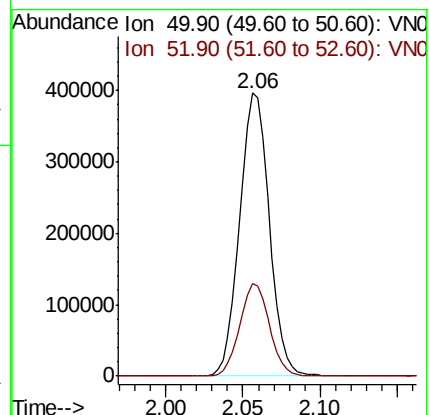
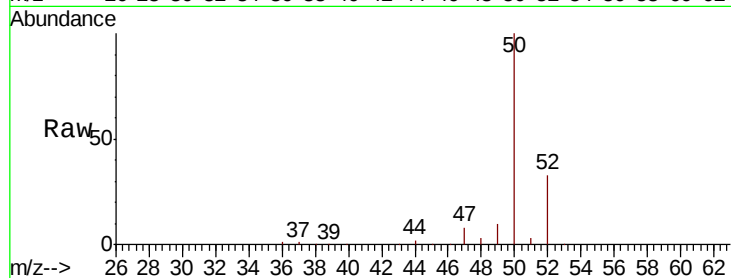
ClientSampled :

Tot Ion: 50 Resp: 527694

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 48.72 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050837.D

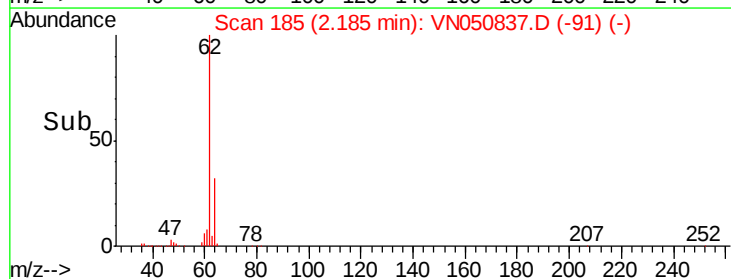
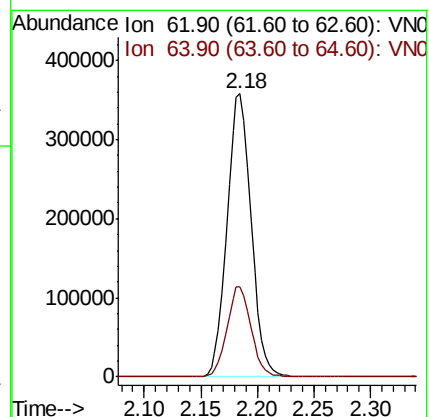
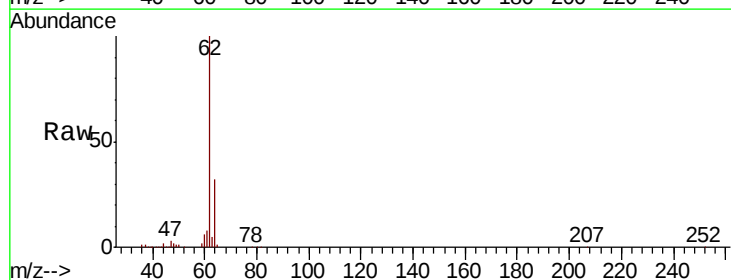
Acq: 23 Aug 2018 8:31

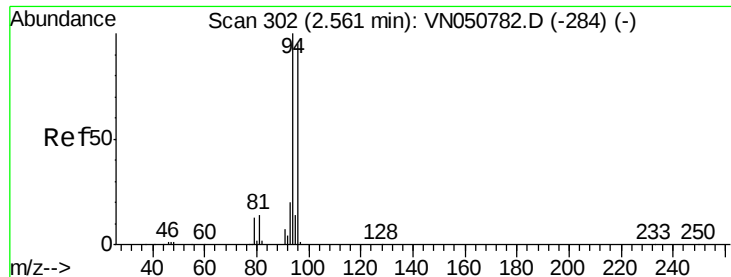
Tgt Ion: 62 Resp: 534007

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 48.24 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

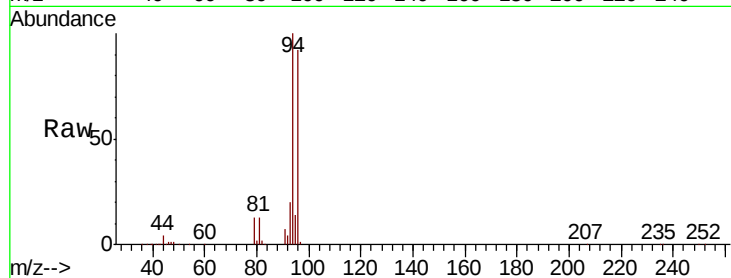
ClientSampled :

Tot Ion: 94 Resp: 300720

Ion Ratio Lower Upper

94 100

96 92.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

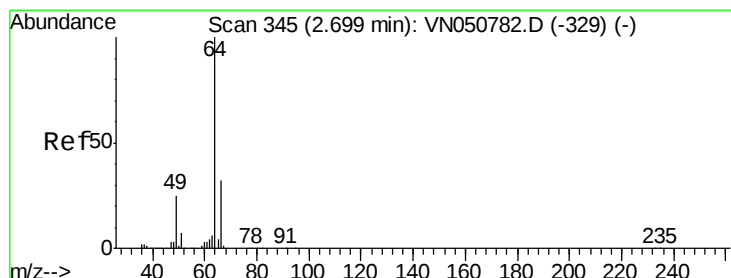
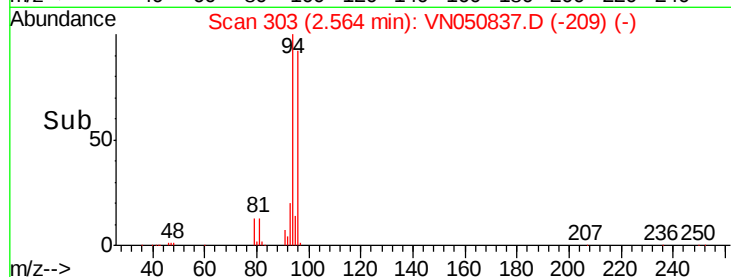
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.09 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050837.D

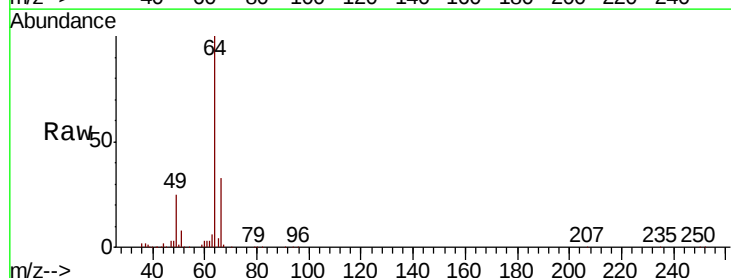
Acq: 23 Aug 2018 8:31

Tgt Ion: 64 Resp: 298167

Ion Ratio Lower Upper

64 100

66 32.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

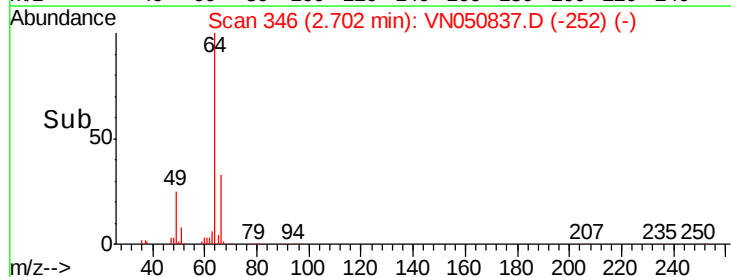
150000

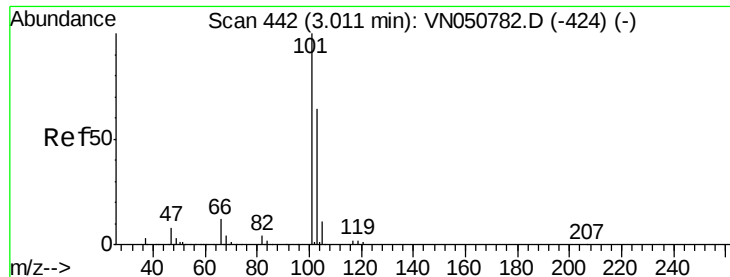
100000

50000

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Time-->



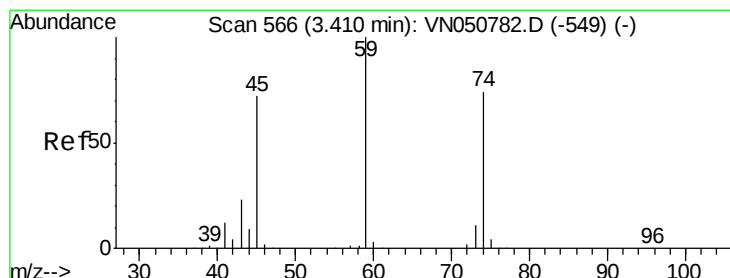
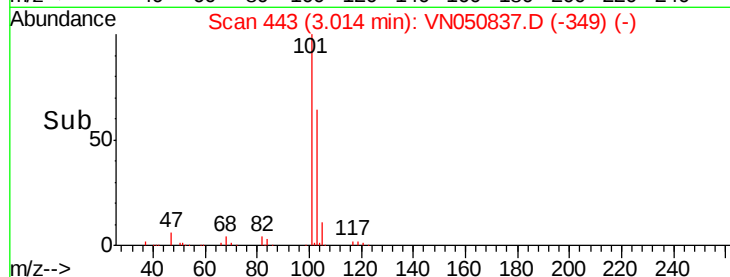
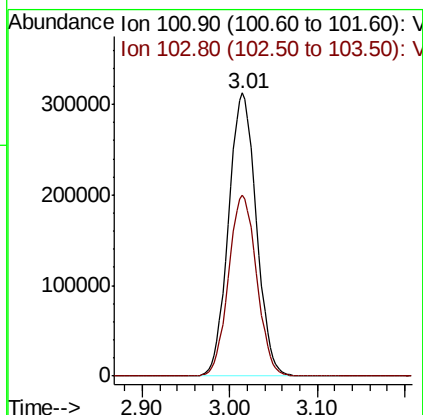
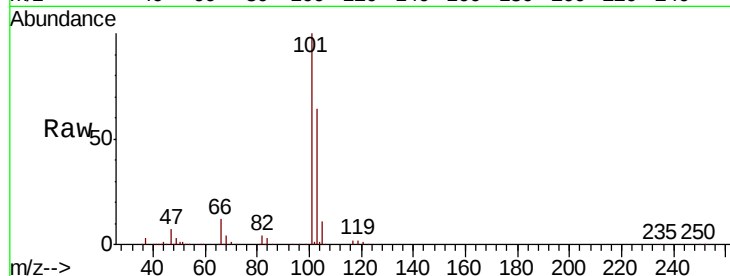


#7

Trichlorofluoromethane
 Concen: 49.01 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

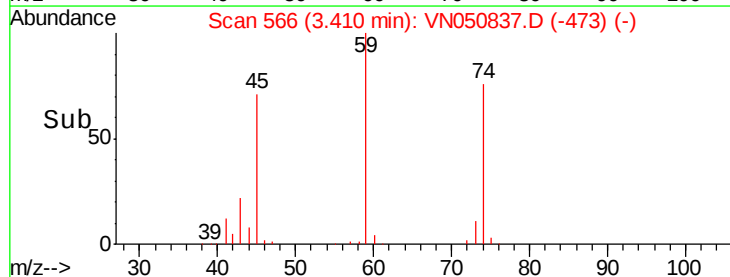
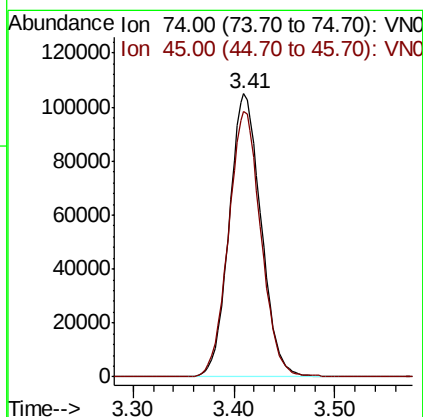
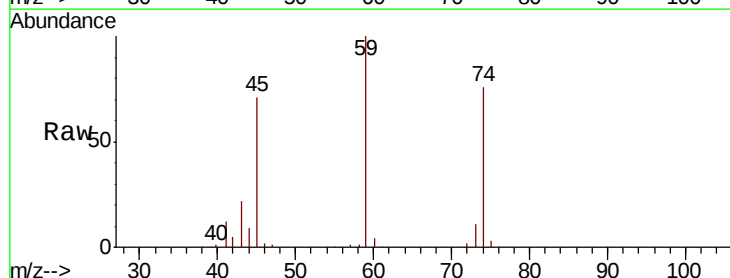
Tot Ion:101 Resp: 687830
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.6 77.4

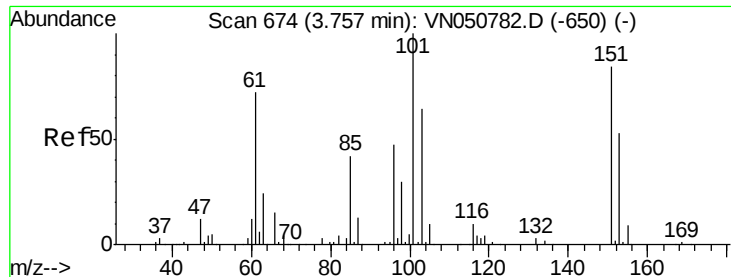


#8

Diethyl Ether
 Concen: 48.34 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion: 74 Resp: 230673
 Ion Ratio Lower Upper
 74 100
 45 95.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.25 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

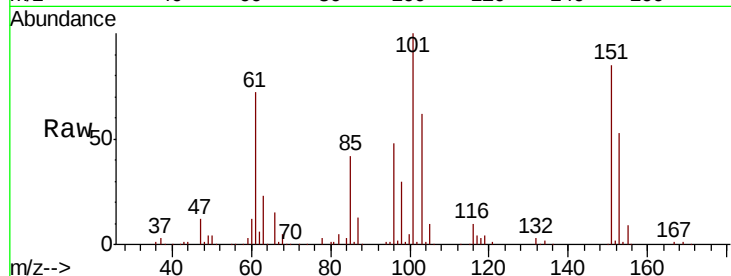
Tot Ion:101 Resp: 431847

Ion Ratio Lower Upper

101 100

85 41.6 33.7 50.5

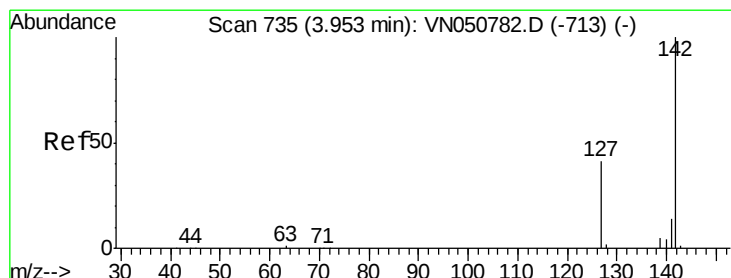
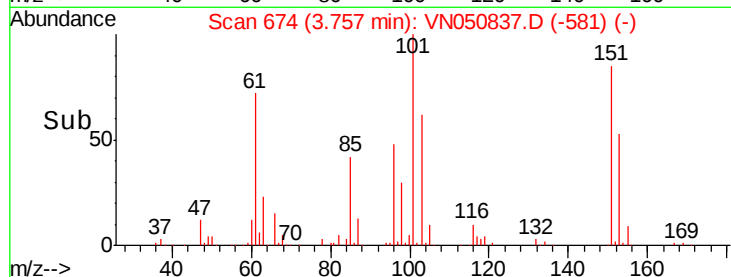
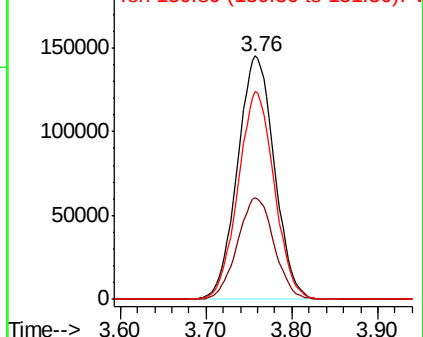
151 83.8 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.60 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

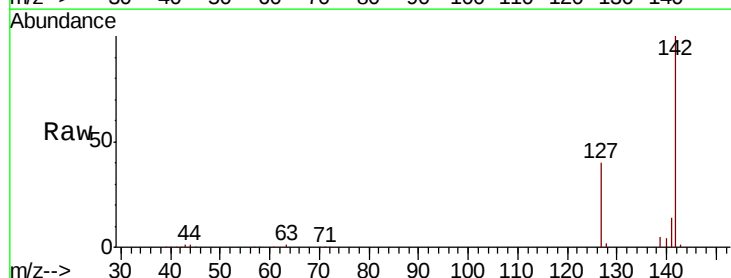
Tgt Ion:142 Resp: 328360

Ion Ratio Lower Upper

142 100

127 39.8 31.7 47.5

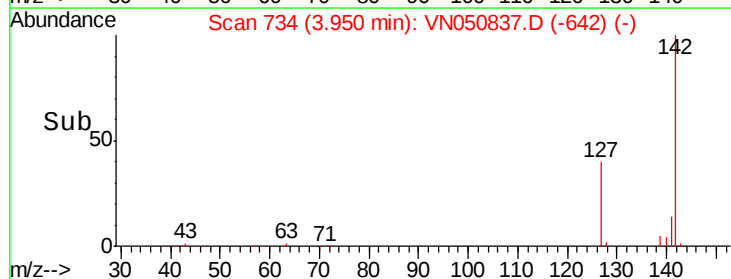
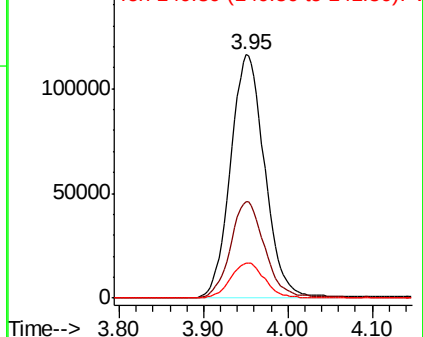
141 14.6 11.4 17.0

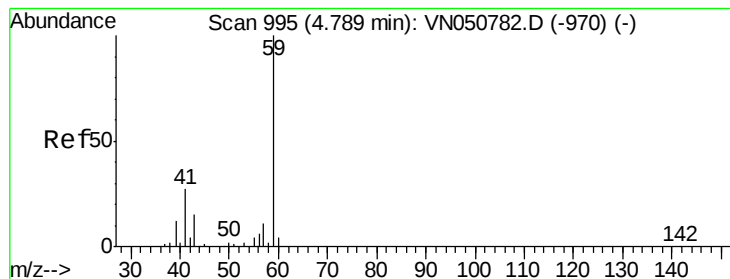


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



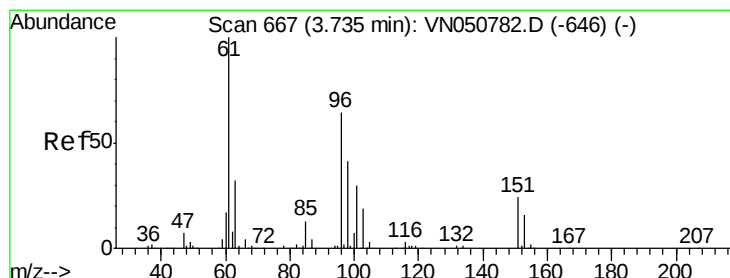
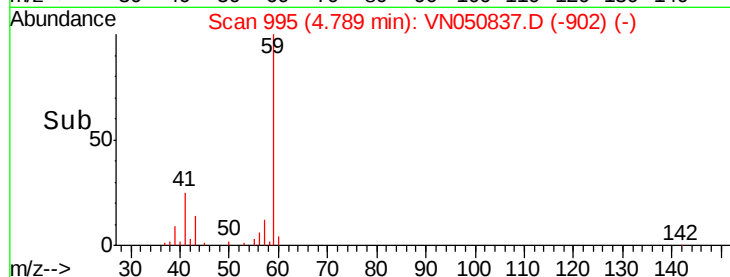
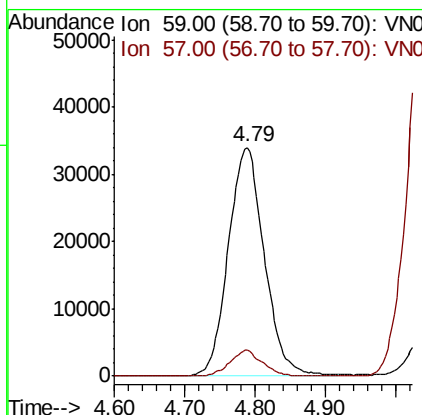
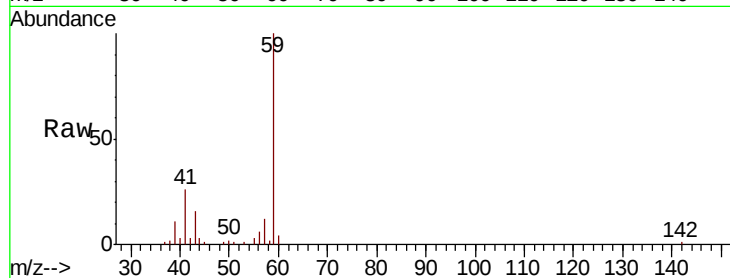


#11

Tert butyl alcohol
 Concen: 225.25 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

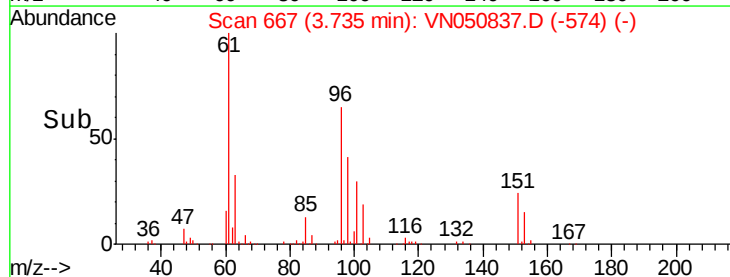
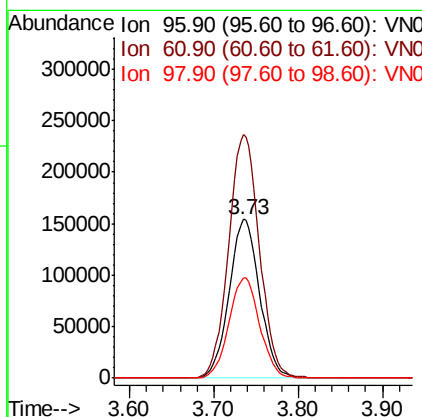
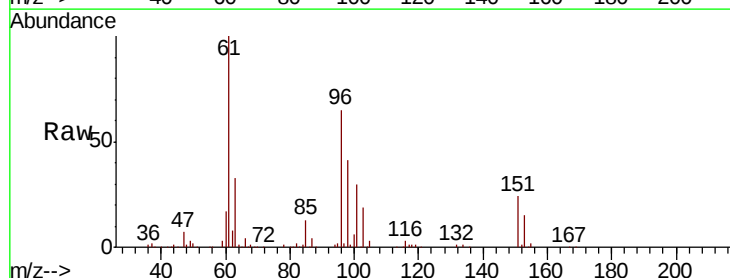
Tot Ion: 59 Resp: 121032
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

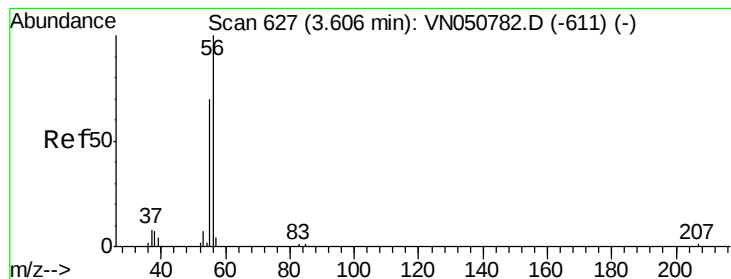


#12

1,1-Dichloroethene
 Concen: 49.15 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion: 96 Resp: 386905
 Ion Ratio Lower Upper
 96 100
 61 153.5 124.9 187.3
 98 63.0 51.1 76.7





#13

Acrolein

Concen: 192.19 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

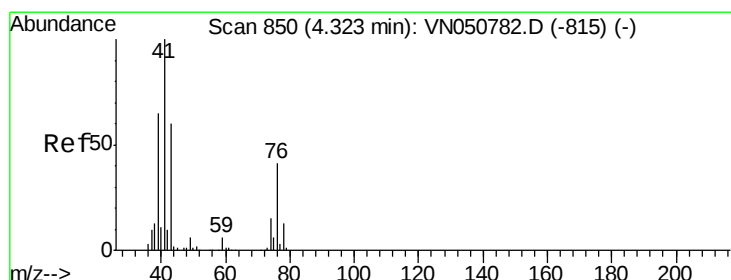
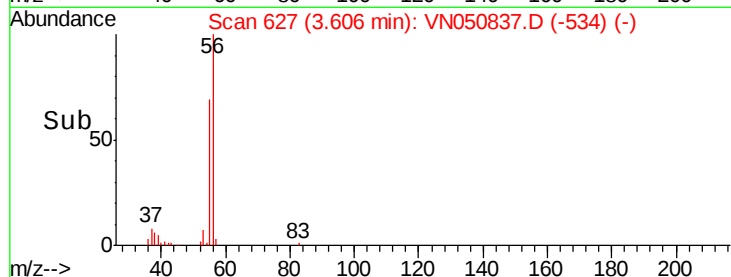
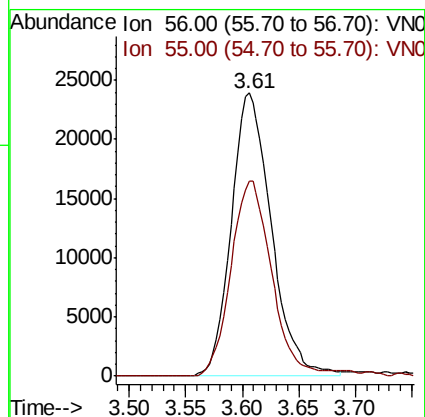
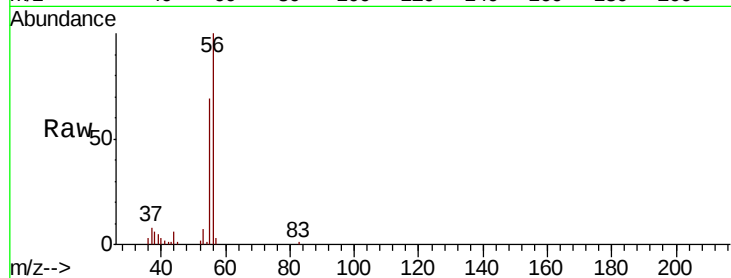
ClientSampled :

Tot Ion: 56 Resp: 58902

Ion Ratio Lower Upper

56 100

55 69.5 57.7 86.5



#14

Allyl chloride

Concen: 49.11 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

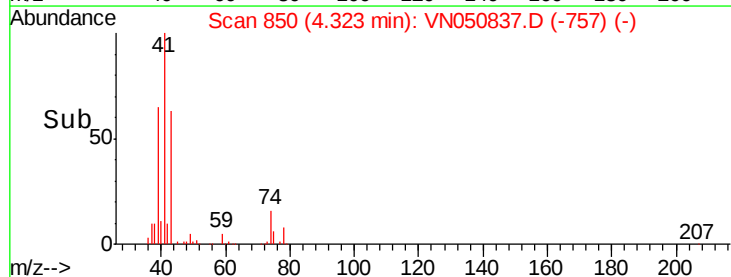
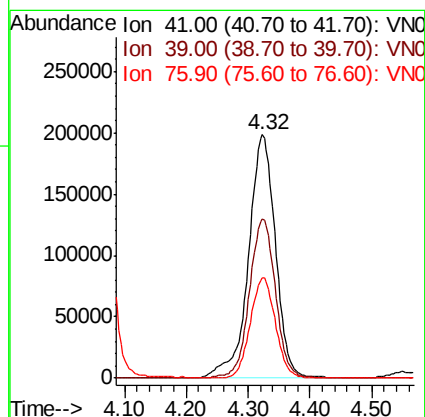
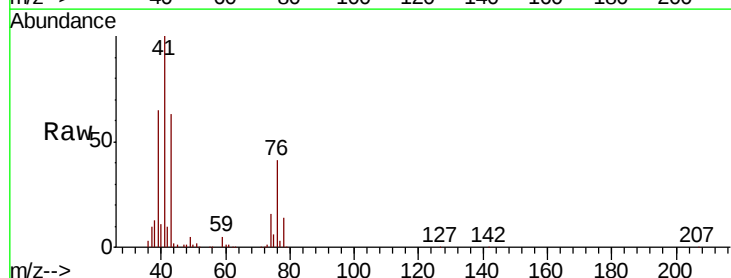
Tgt Ion: 41 Resp: 602388

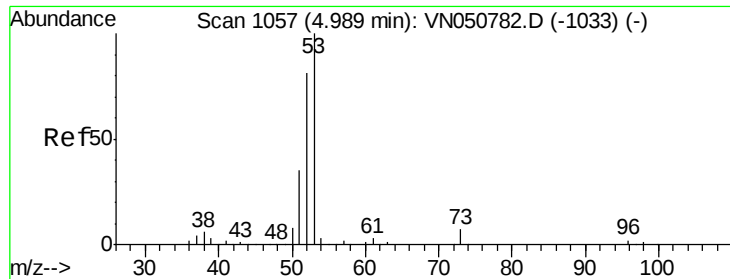
Ion Ratio Lower Upper

41 100

39 63.1 50.2 75.2

76 37.8 29.8 44.8

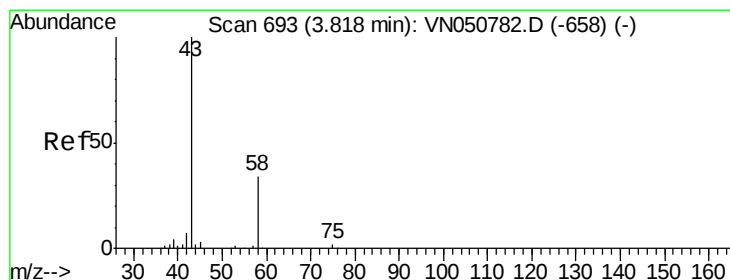
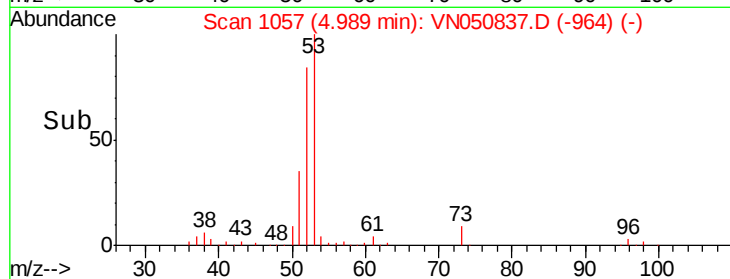
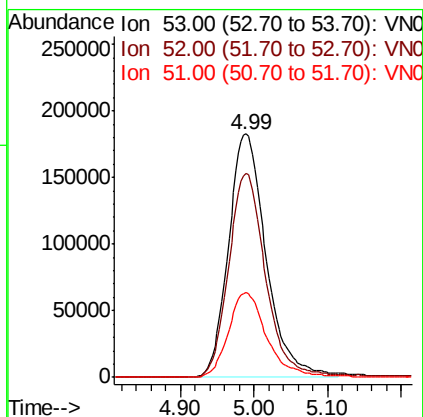
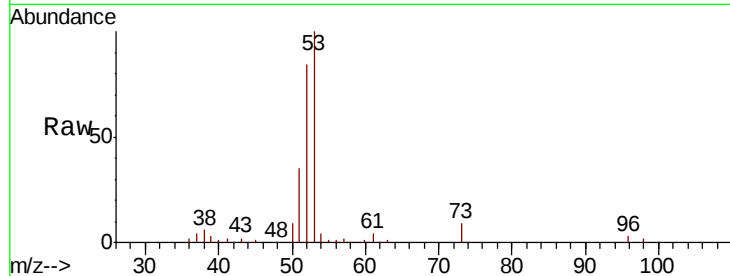




#15
 Acrylonitrile
 Concen: 237.55 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

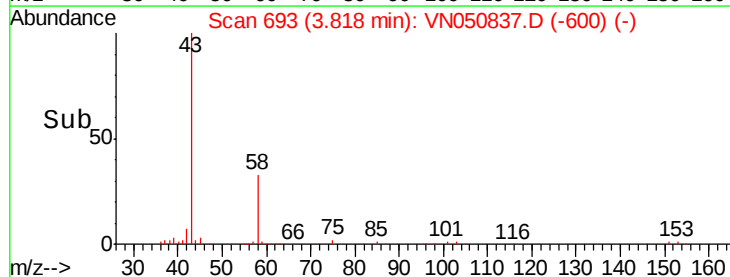
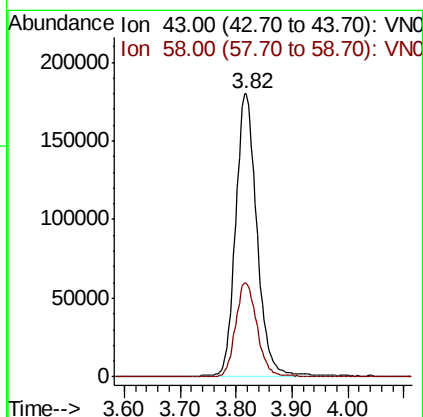
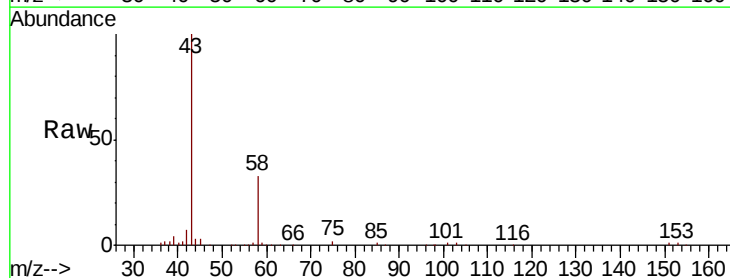
Instrument :
 MSVOA_N
 ClientSampled :

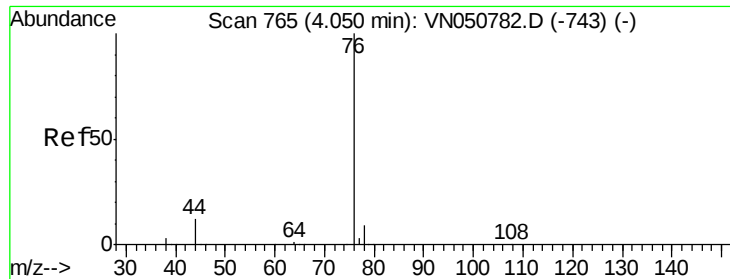
Tot Ion	53	Resp	648685
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.9	98.9
51	35.9	28.6	43.0



#16
 Acetone
 Concen: 239.14 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	43	Resp	478454
Ion Ratio	Lower	Upper	
43	100		
58	33.2	27.2	40.8

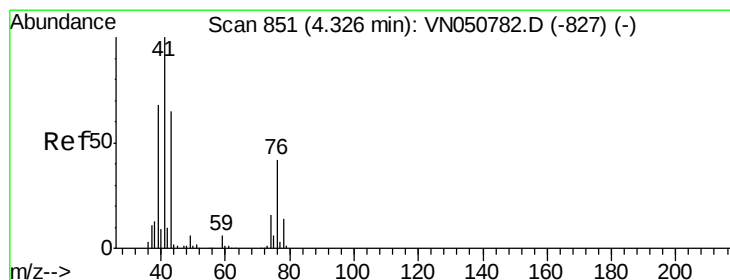
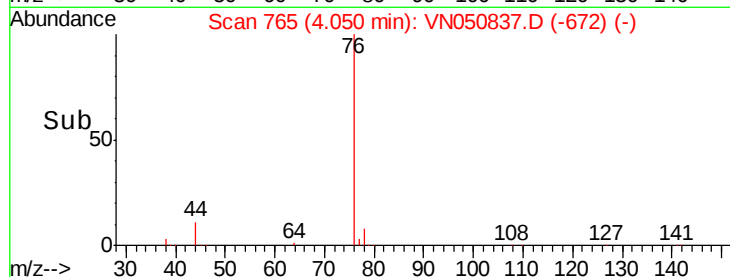
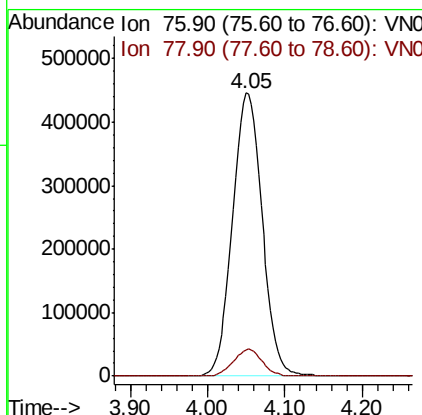
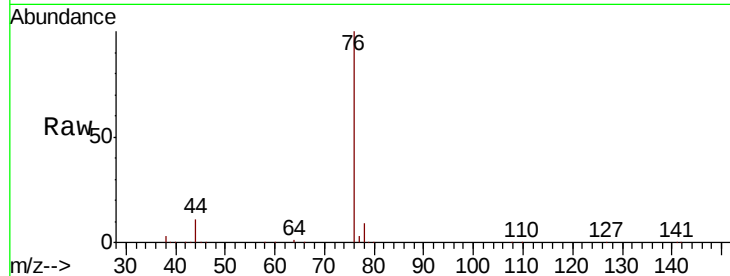




#17
Carbon Disulfide
Concen: 44.99 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

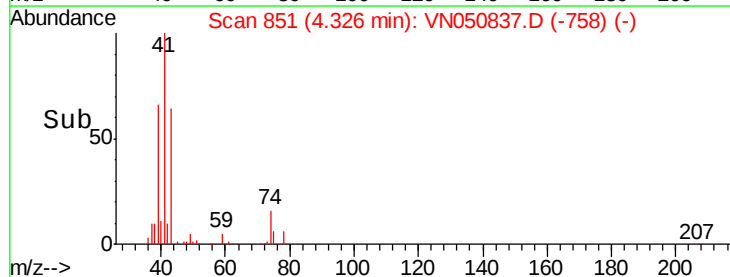
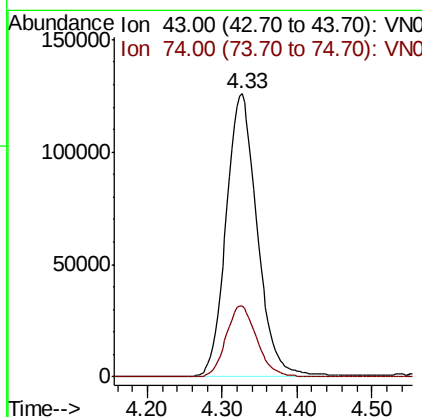
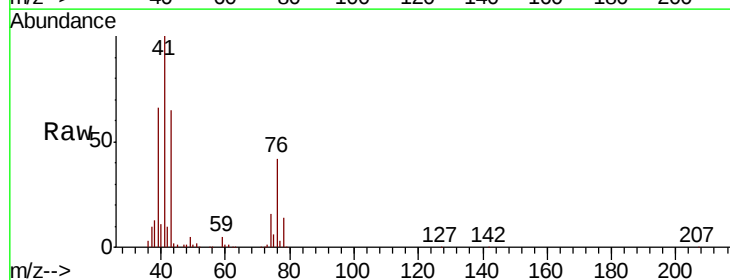
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 1187318
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 45.29 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 43 Resp: 360841
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8

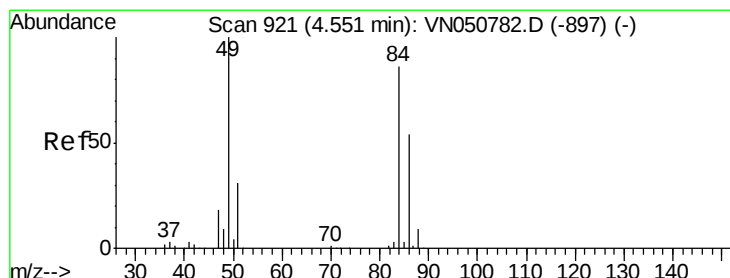
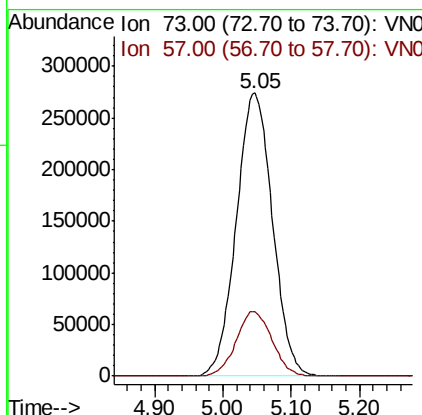
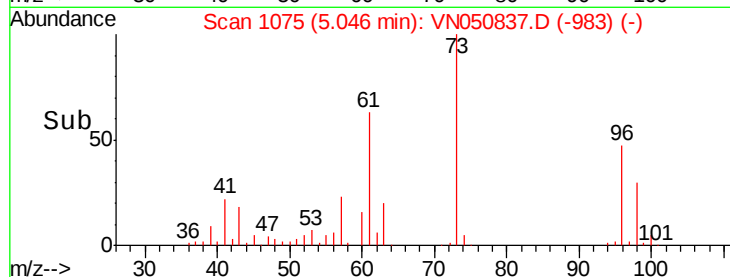
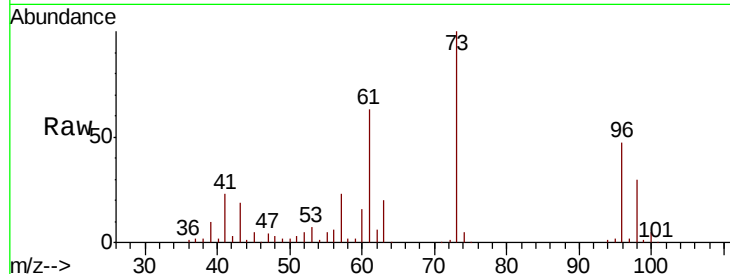




#19
Methvl tert-butvl Ether
Concen: 50.98 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

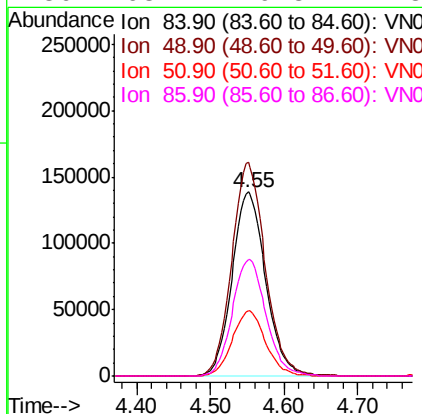
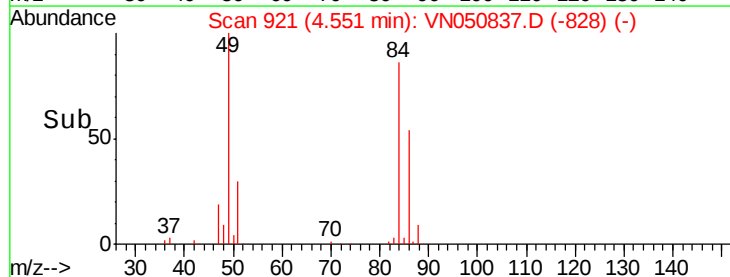
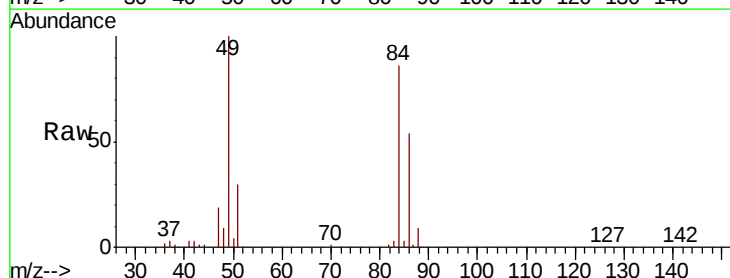
Instrument :
MSVOA_N
ClientSampled :

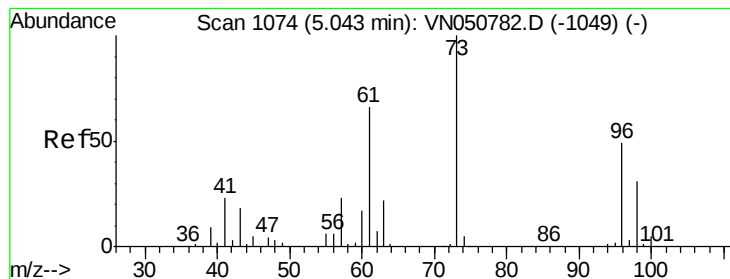
Tot Ion: 73 Resp: 1009601
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 46.30 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 84 Resp: 440313
Ion Ratio Lower Upper
84 100
49 116.1 93.2 139.8
51 35.3 29.0 43.6
86 63.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.80 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

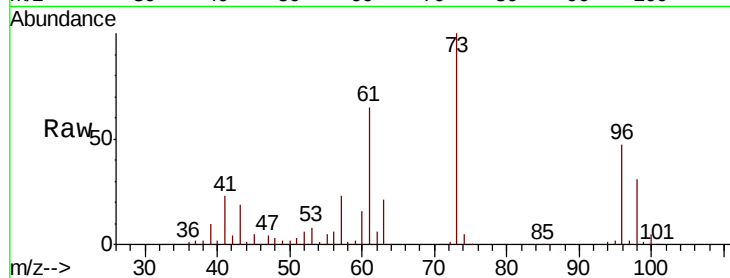
Tot Ion: 96 Resp: 415544

Ion Ratio Lower Upper

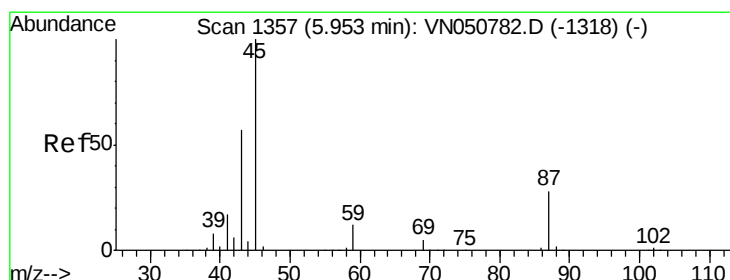
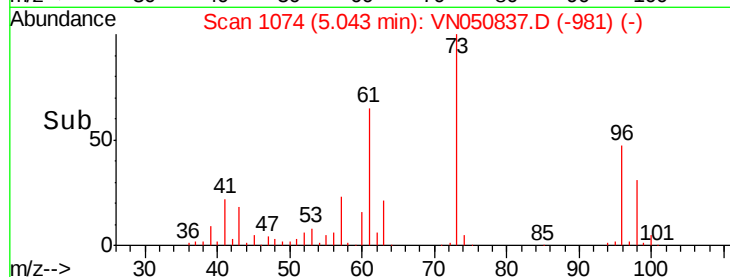
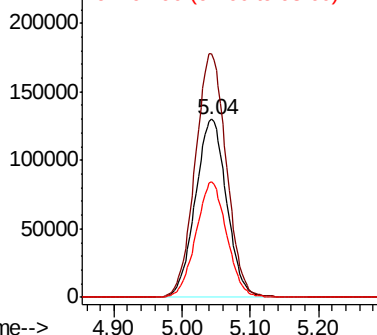
96 100

61 136.9 107.4 161.0

98 65.2 50.7 76.1



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: 51.59 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion: 45 Resp: 1261103

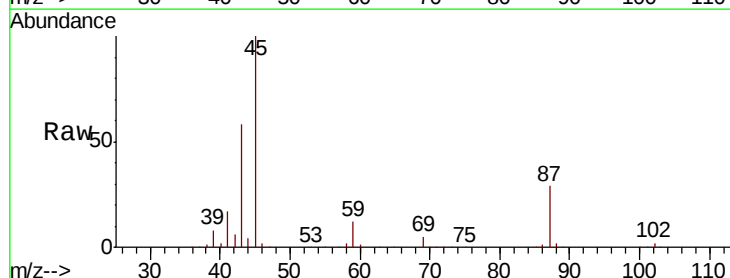
Ion Ratio Lower Upper

45 100

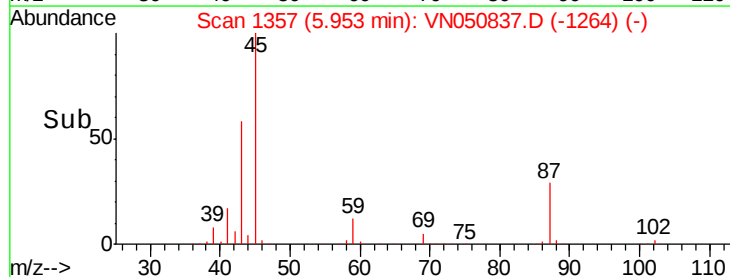
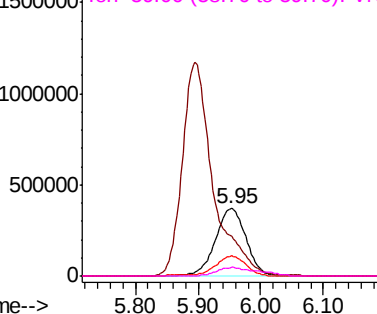
43 57.3 45.9 68.9

87 29.4 22.7 34.1

59 12.3 9.3 13.9



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: 255.11 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

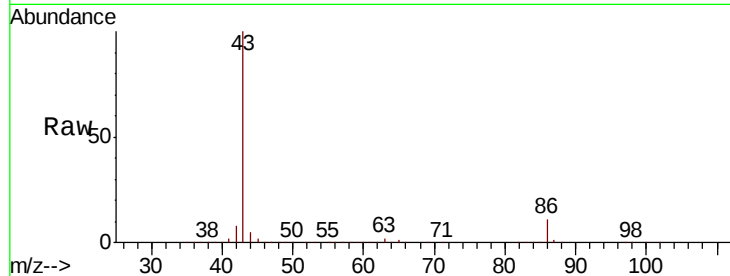
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 4016434

Ion Ratio Lower Upper

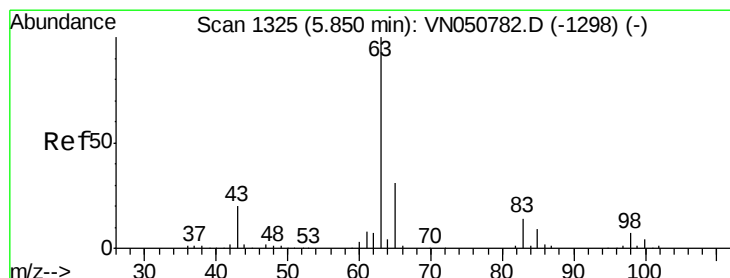
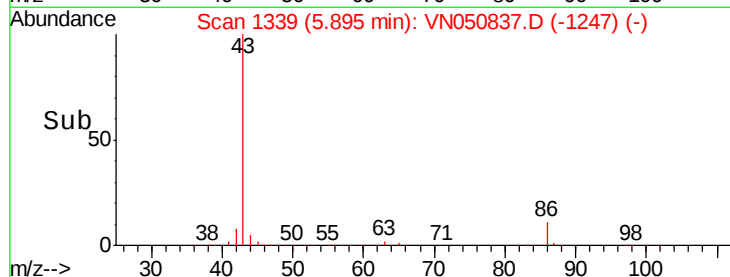
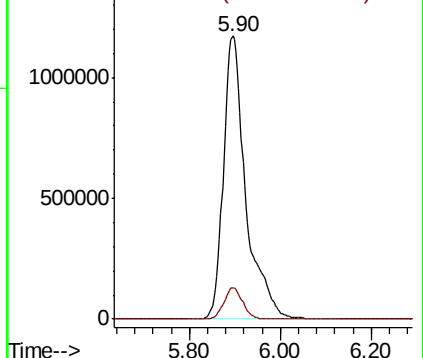
43 100

86 11.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.35 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

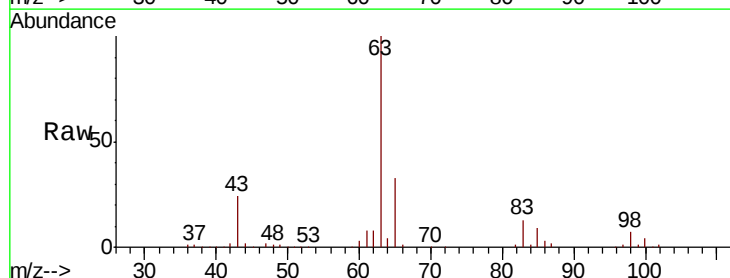
Tgt Ion: 63 Resp: 758796

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

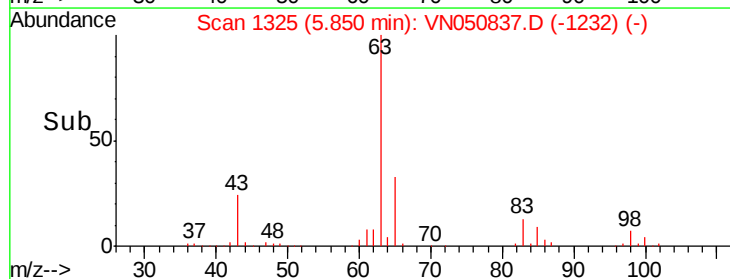
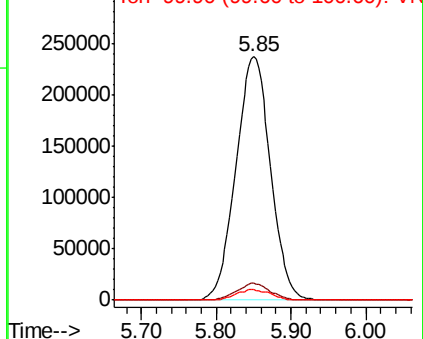
100 4.2 2.1 6.5

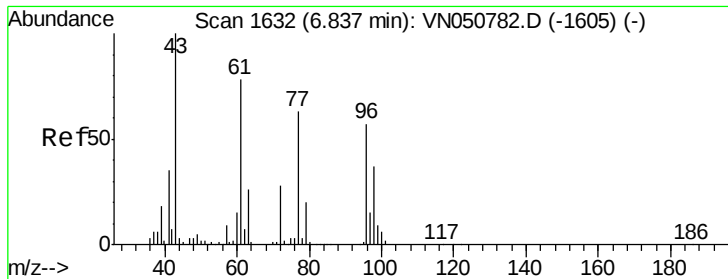


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 215.95 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

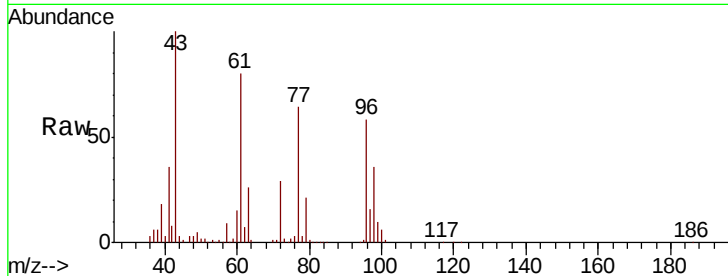
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 734330

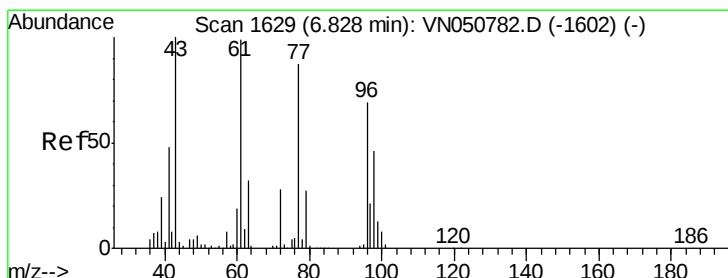
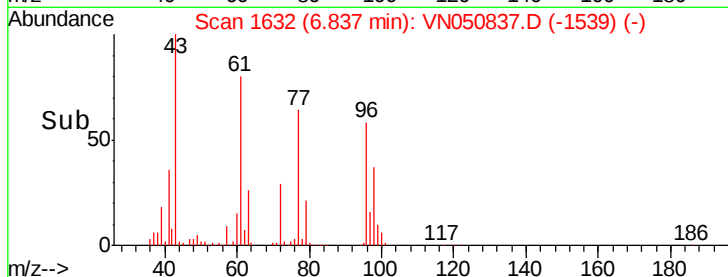
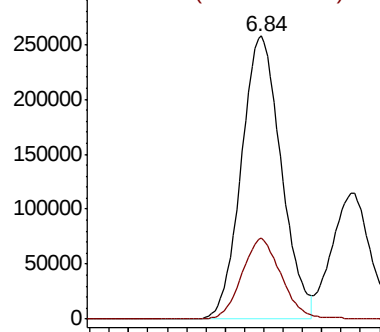
Ion Ratio Lower Upper

43 100

72 28.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 48.68 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050837.D

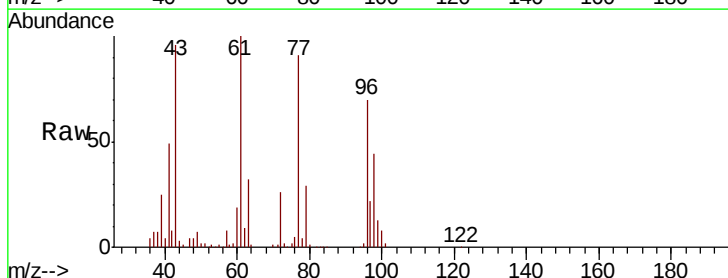
Acq: 23 Aug 2018 8:31

Tgt Ion: 77 Resp: 613859

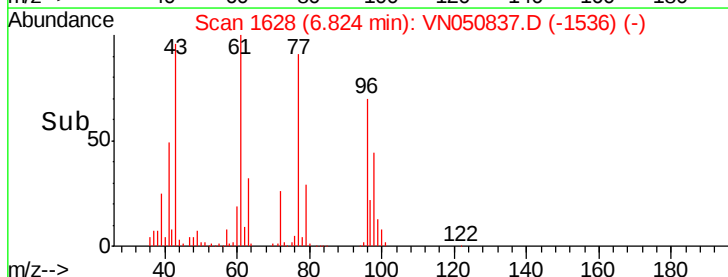
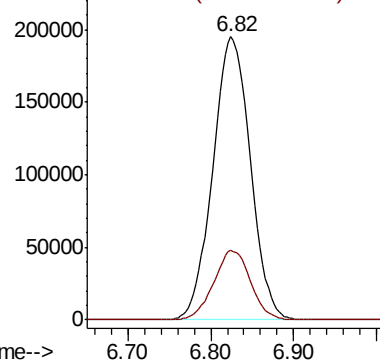
Ion Ratio Lower Upper

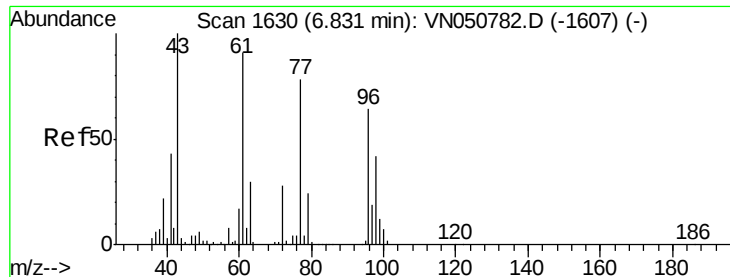
77 100

97 24.2 12.0 36.0



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: 49.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

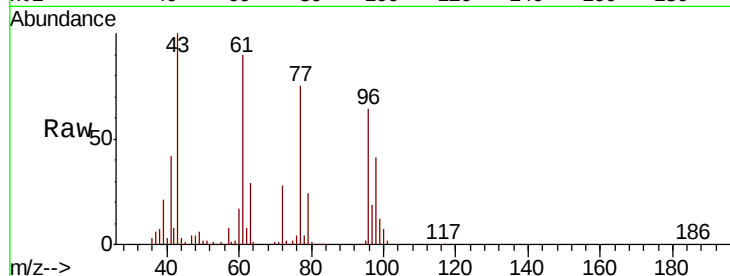
Tot Ion: 96 Resp: 457469

Ion Ratio Lower Upper

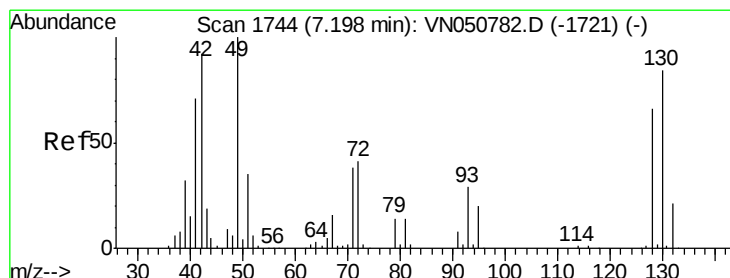
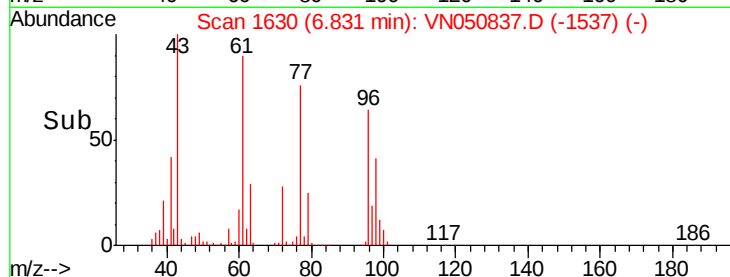
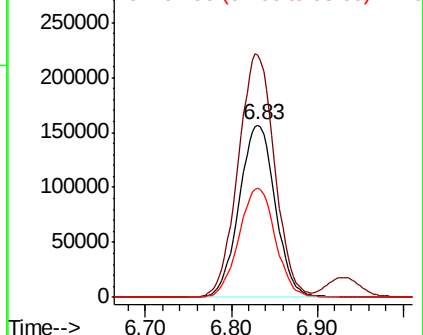
96 100

61 142.4 0.0 283.4

98 64.2 0.0 129.8



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



#28

Bromochloromethane

Concen: 47.80 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

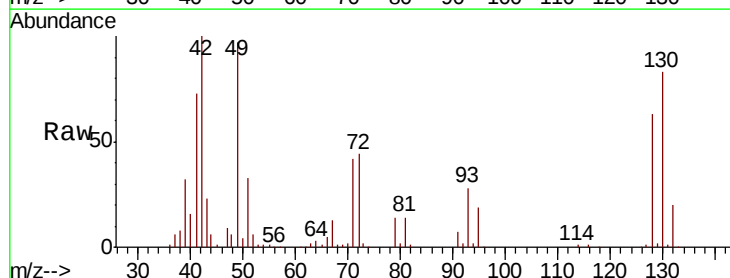
Tgt Ion: 49 Resp: 318782

Ion Ratio Lower Upper

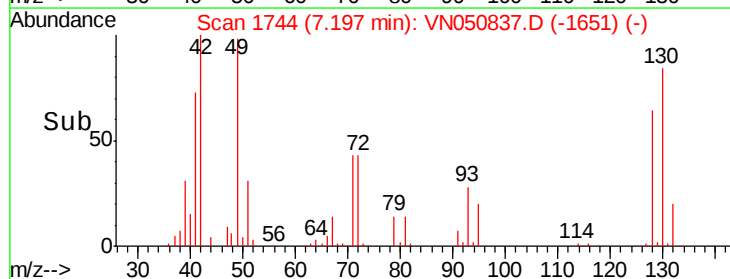
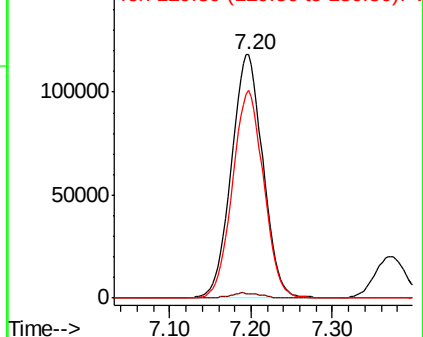
49 100

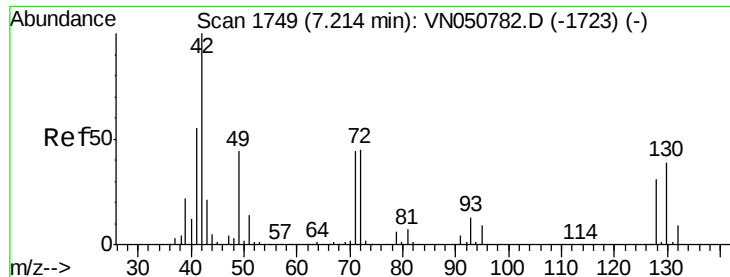
129 2.1 0.0 4.2

130 84.1 67.1 100.7



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

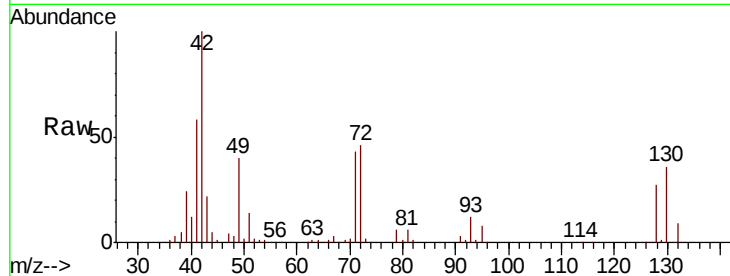




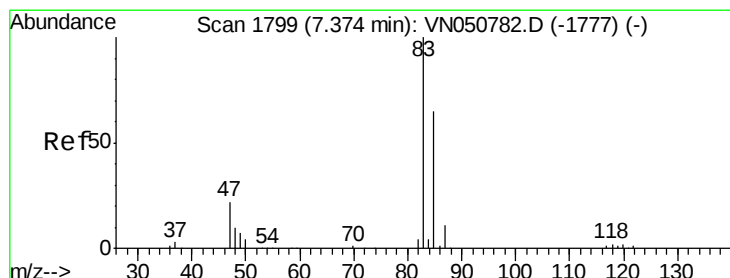
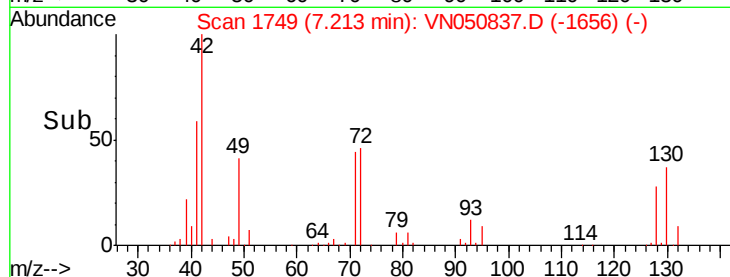
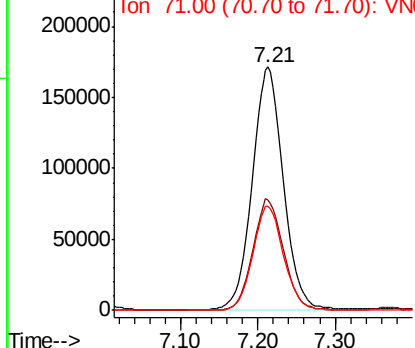
#29
Tetrahydrofuran
Concen: 245.95 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 479522
Ion Ratio Lower Upper
42 100
72 45.3 35.5 53.3
71 42.7 33.7 50.5

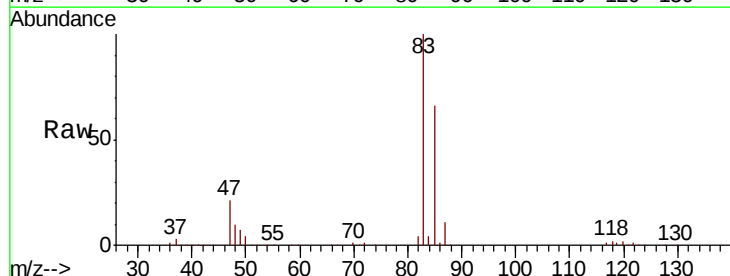


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

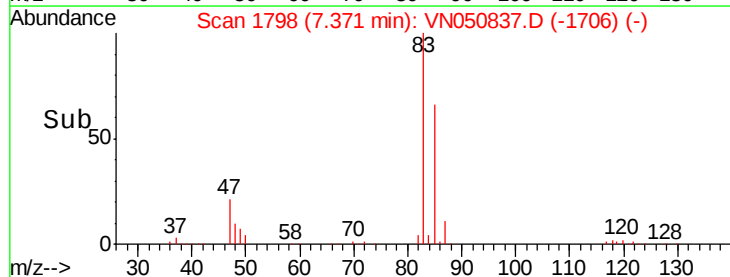
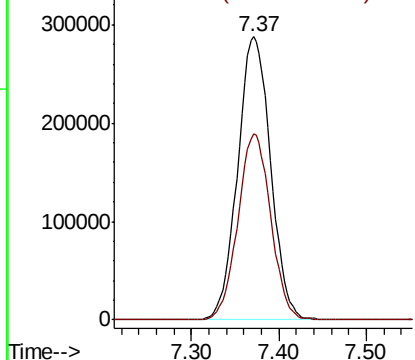


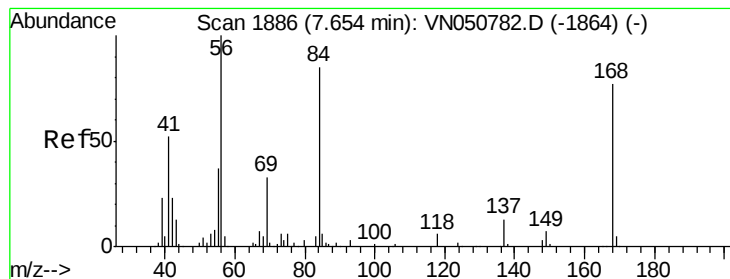
#30
Chloroform
Concen: 48.40 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 83 Resp: 752215
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.4



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





#31

Cyclohexane

Concen: 48.64 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

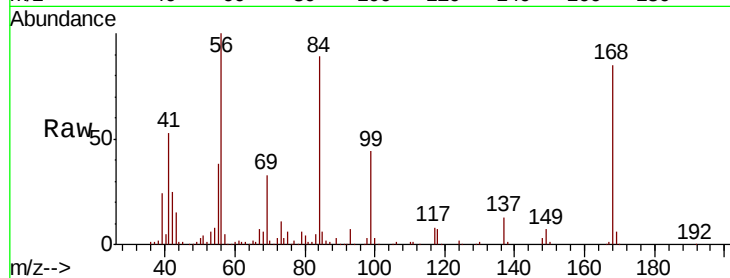
Tot Ion: 56 Resp: 693620

Ion Ratio Lower Upper

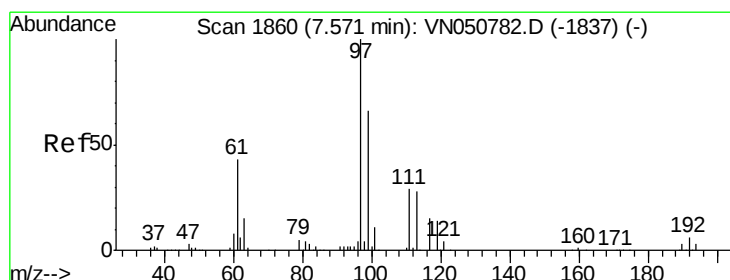
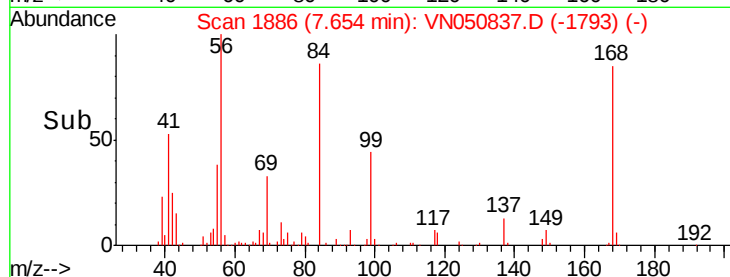
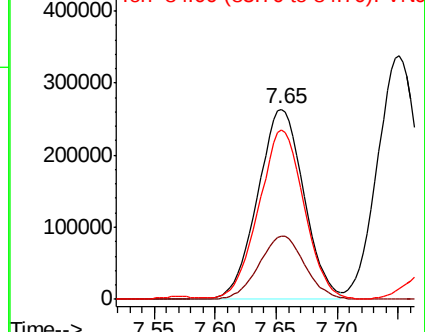
56 100

69 33.3 26.2 39.4

84 87.8 68.3 102.5



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



#32

1,1,1-Trichloroethane

Concen: 48.66 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

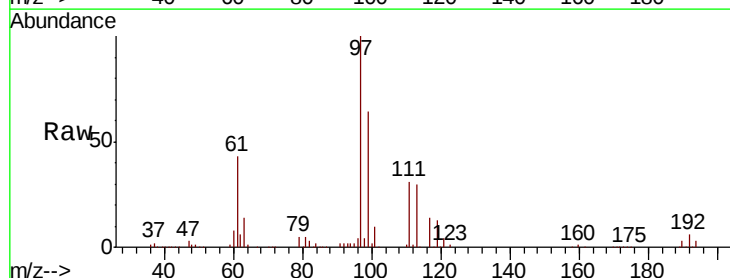
Tgt Ion: 97 Resp: 649640

Ion Ratio Lower Upper

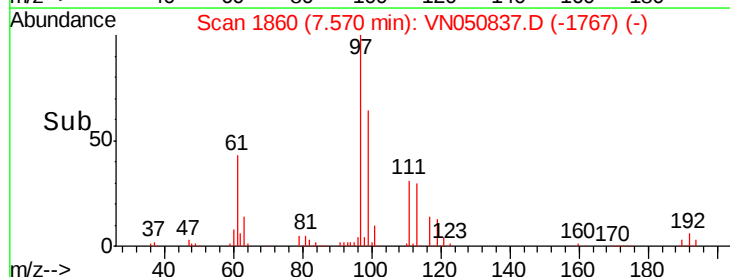
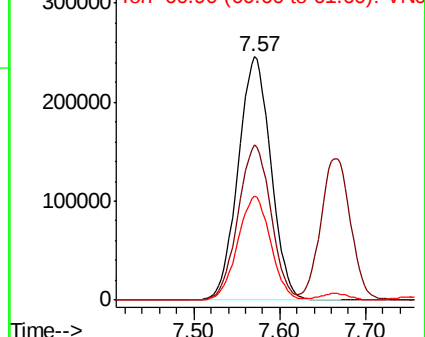
97 100

99 64.2 51.8 77.6

61 43.0 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

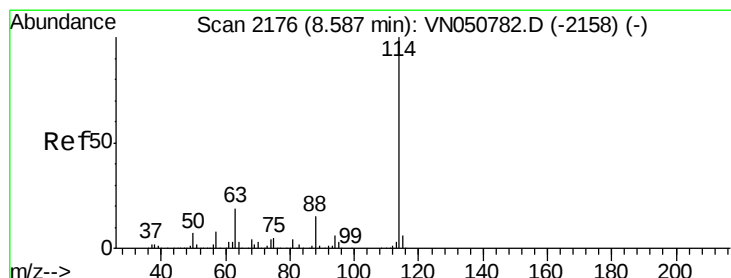
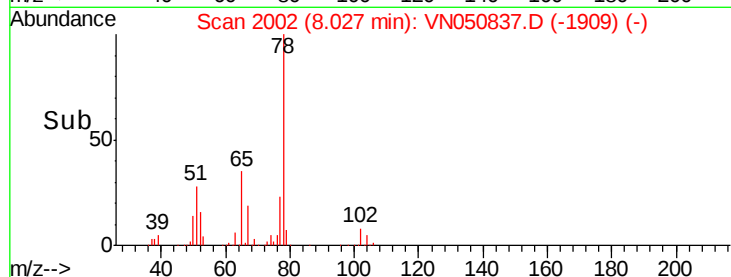
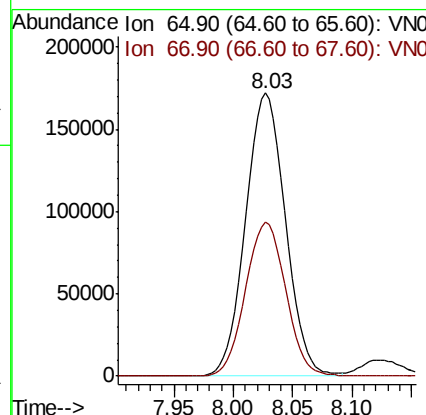
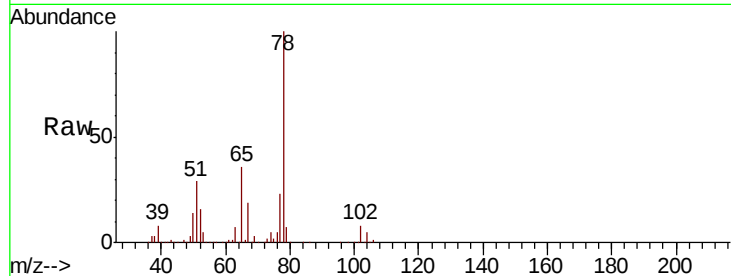




#33
 1,2-Dichloroethane-d4
 Concen: 47.43 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

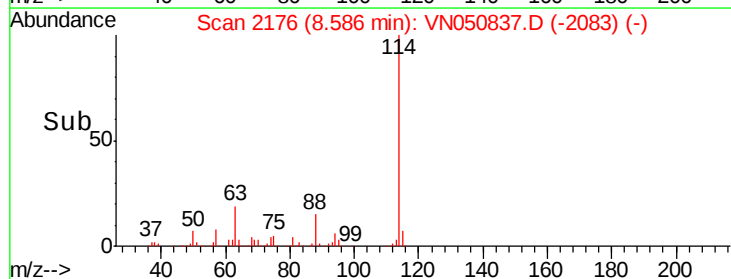
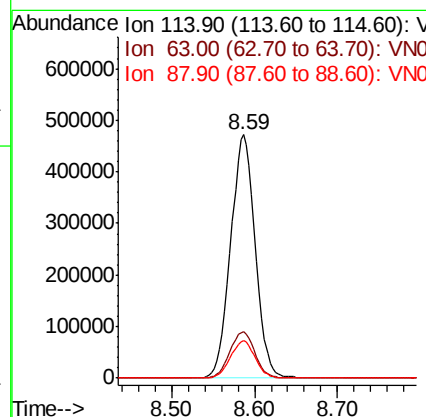
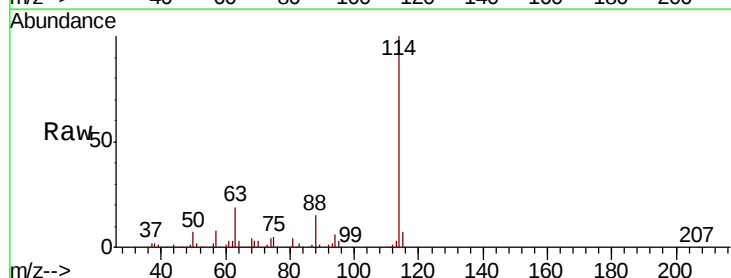
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 400182
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion: 114 Resp: 972277
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.3 0.0 30.6

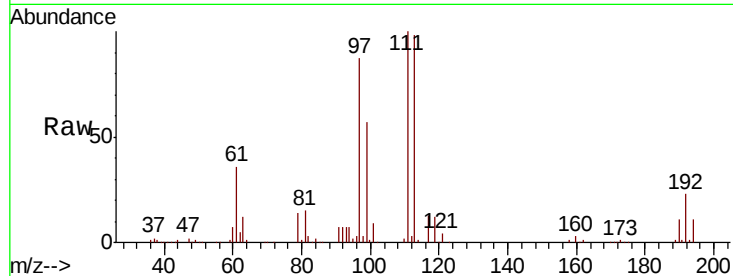




#35
 Dibromofluoromethane
 Concen: 49.22 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	22.8	18.0	27.0

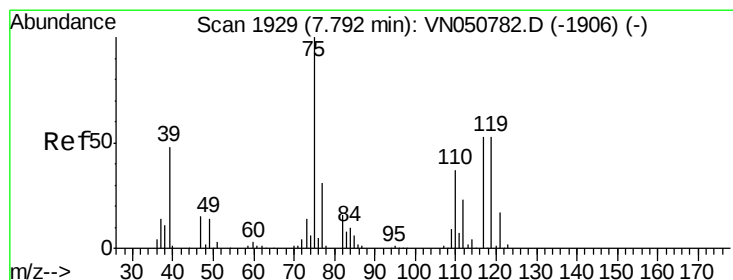
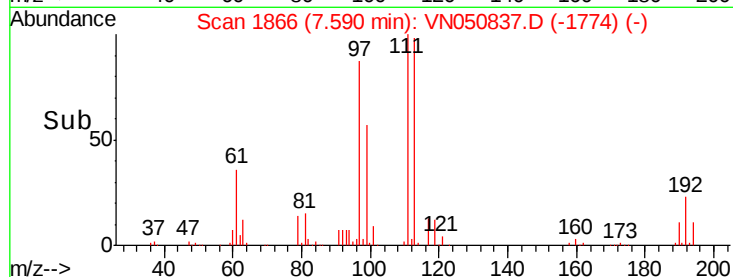
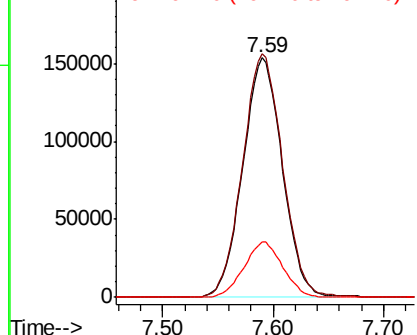


Abundance

Ion 112.80 (112.50 to 113.50): V

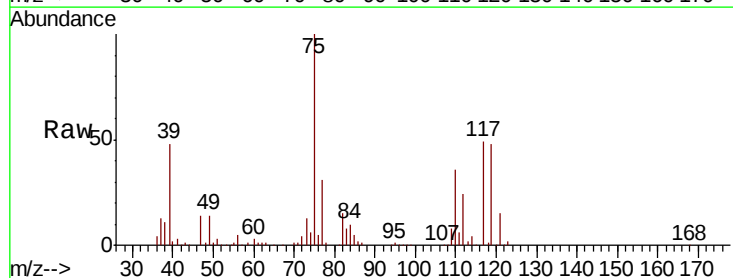
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 52.08 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.4
77	30.9	24.8	37.2

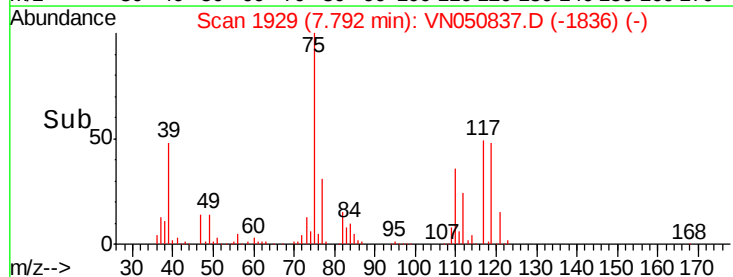
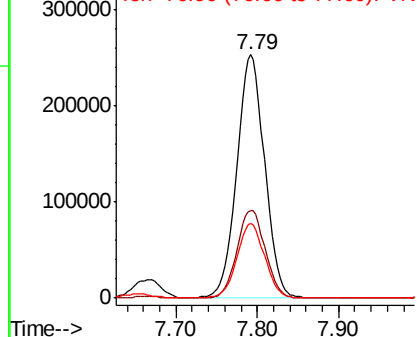


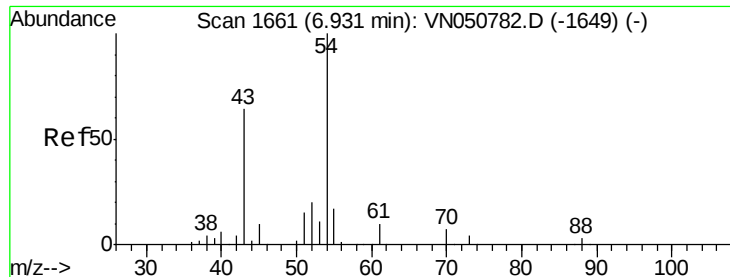
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

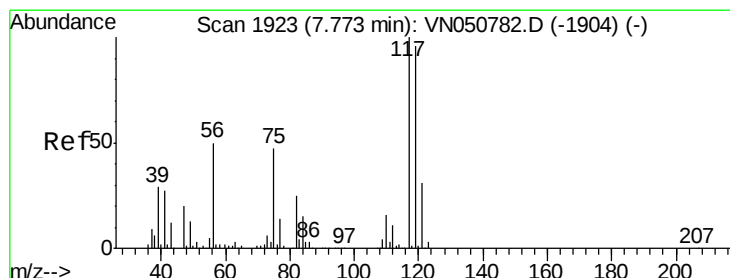
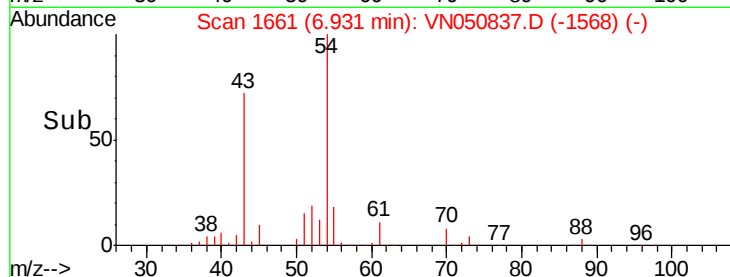
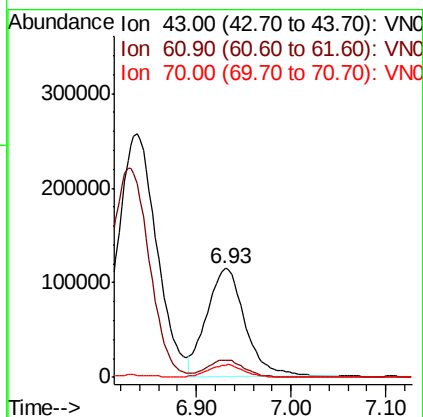
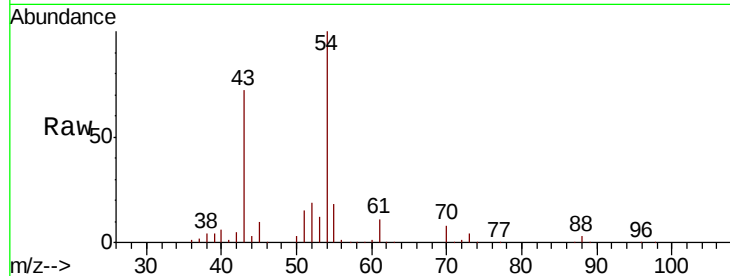




#37
Ethyl Acetate
Concen: 48.99 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

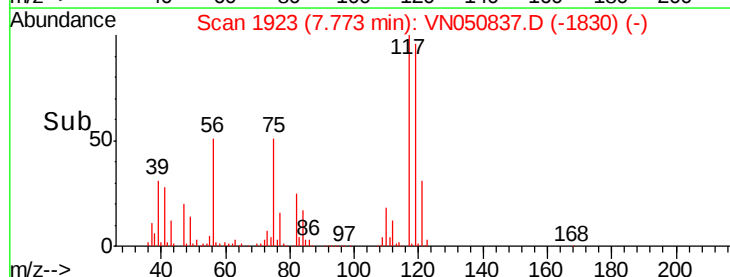
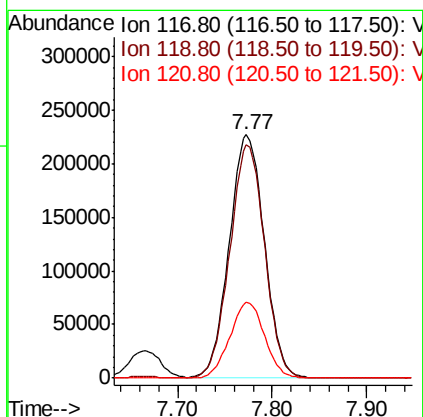
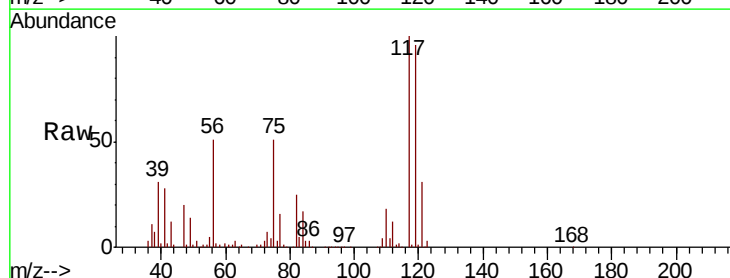
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 322864
Ion Ratio Lower Upper
43 100
61 15.4 12.0 18.0
70 10.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.50 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 117 Resp: 585707
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 31.0 24.6 36.8

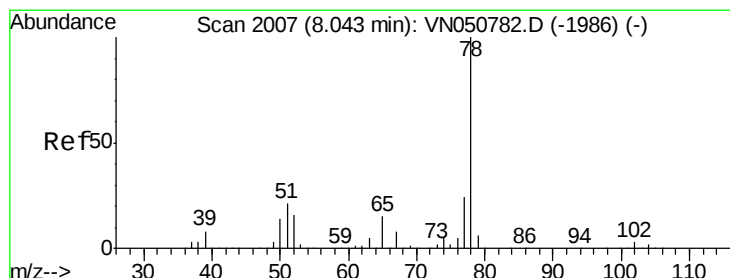
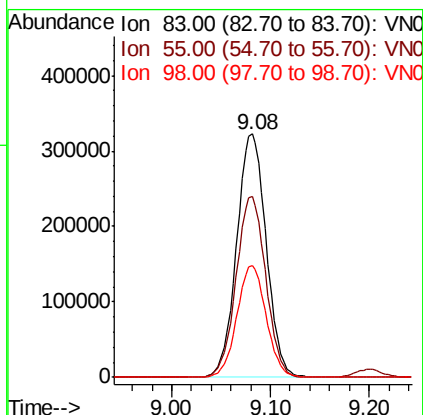
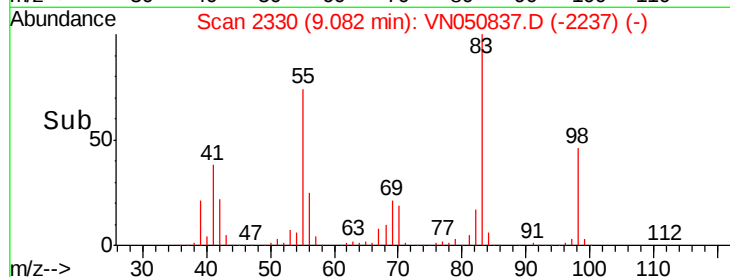
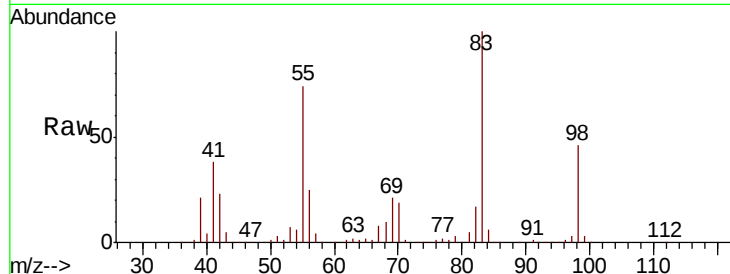




#39
Methvlcvclohexane
Concen: 53.88 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

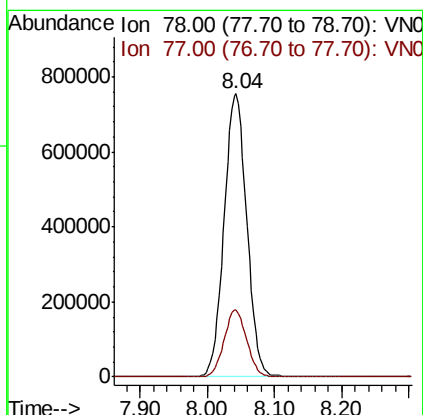
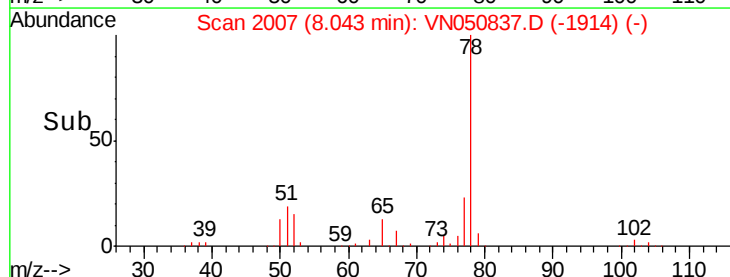
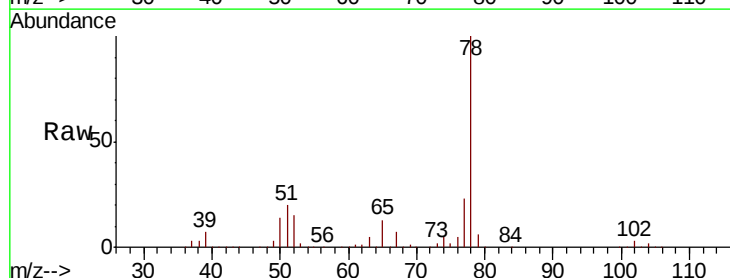
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 668802
Ion Ratio Lower Upper
83 100
55 74.2 61.0 91.4
98 46.1 37.5 56.3



#40
Benzene
Concen: 51.17 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 78 Resp: 1770201
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

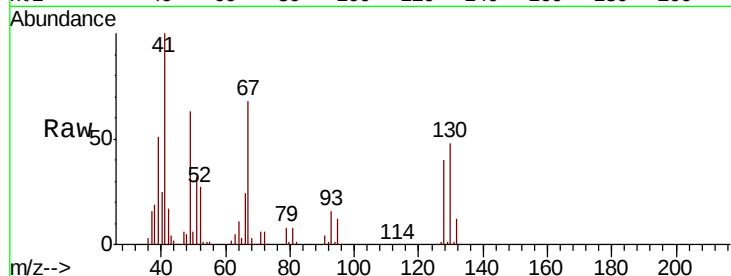




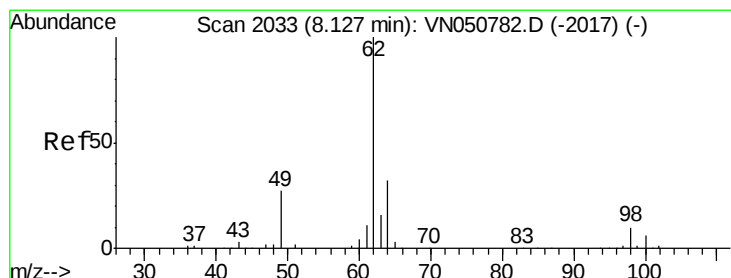
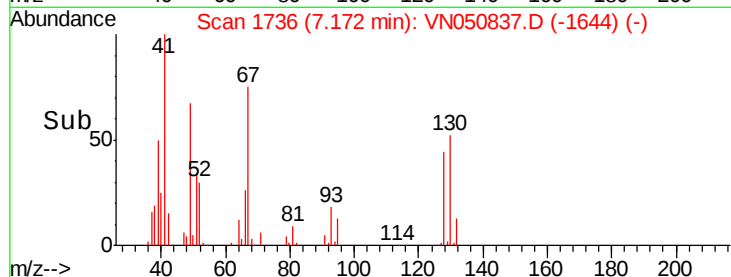
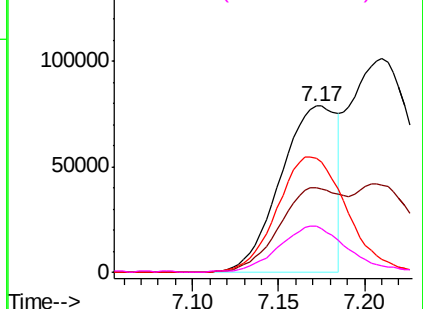
#41
Methacrylonitrile
Concen: 49.89 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 177931
Ion Ratio Lower Upper
41 100
39 59.2 45.4 68.0
67 87.3 70.6 106.0
52 33.9 27.1 40.7

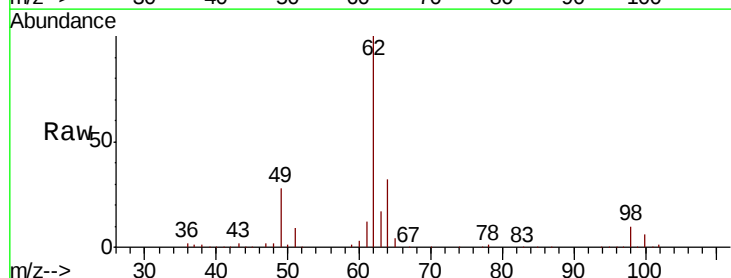


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

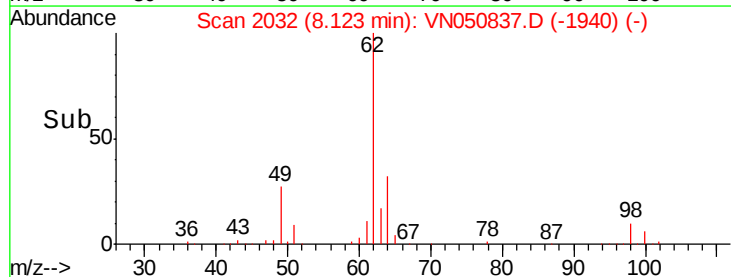
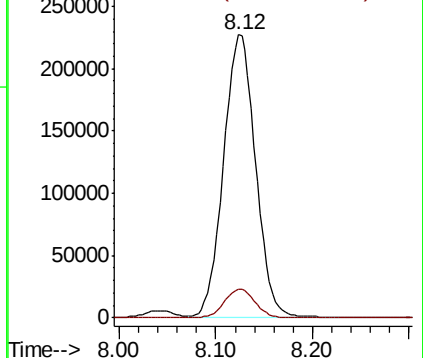


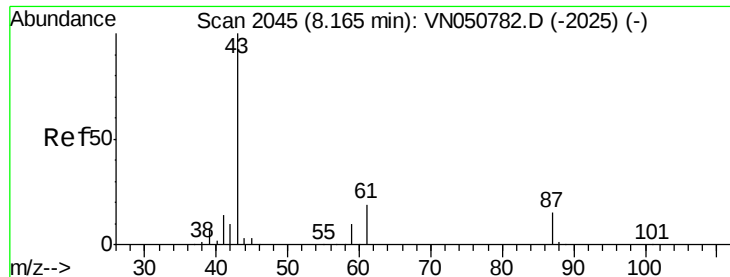
#42
1,2-Dichloroethane
Concen: 50.42 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 62 Resp: 521527
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 51.97 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

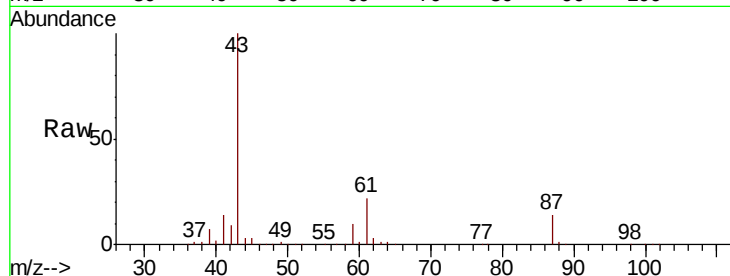
Tot Ion: 43 Resp: 588914

Ion Ratio Lower Upper

43 100

61 30.5 17.5 26.3#

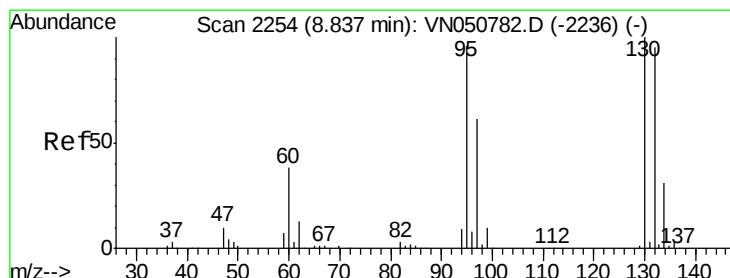
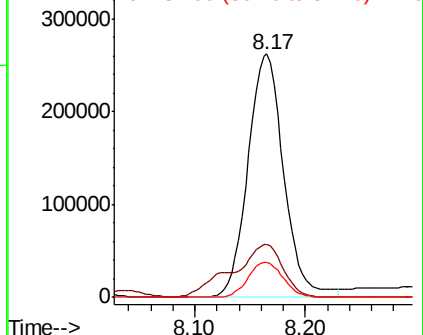
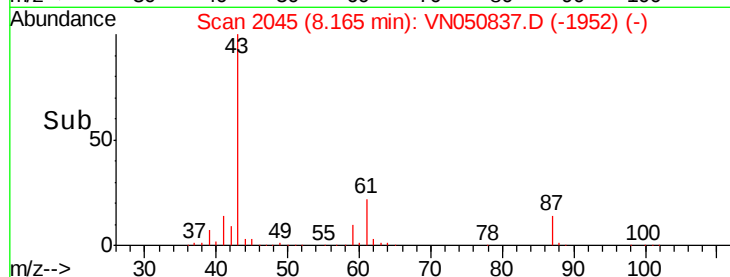
87 14.1 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050837.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050837.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050837.D (-1952) (-)



#44

Trichloroethene

Concen: 50.85 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050837.D

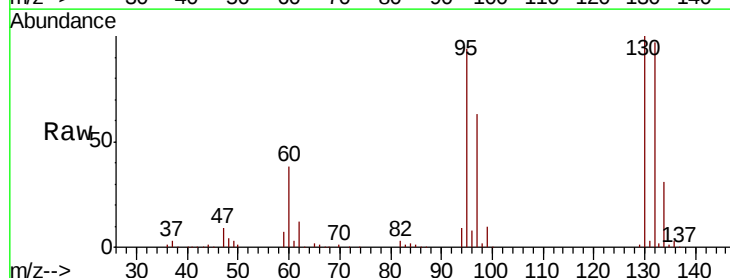
Acq: 23 Aug 2018 8:31

Tgt Ion:130 Resp: 464012

Ion Ratio Lower Upper

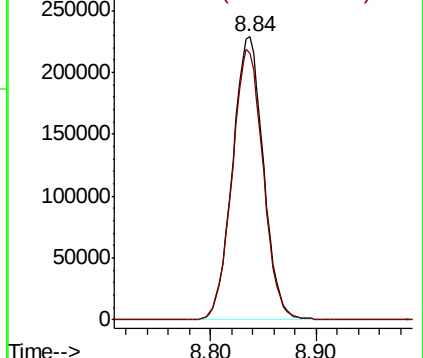
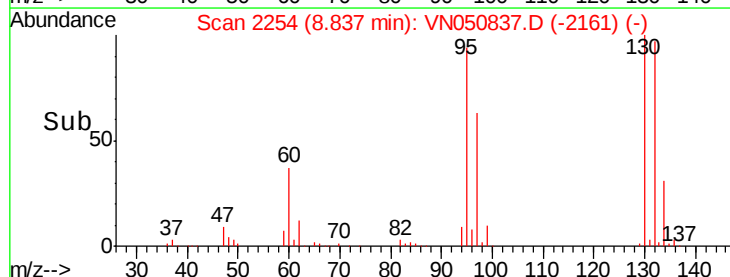
130 100

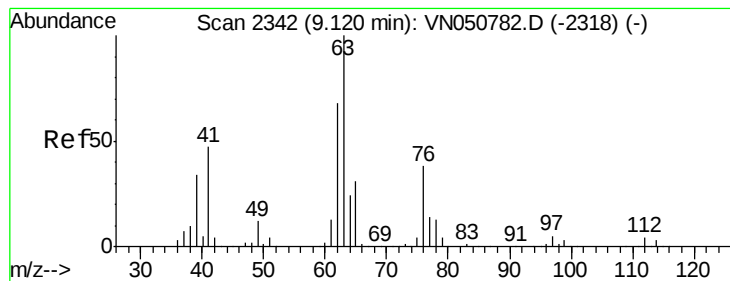
95 94.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050837.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050837.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 50.28 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

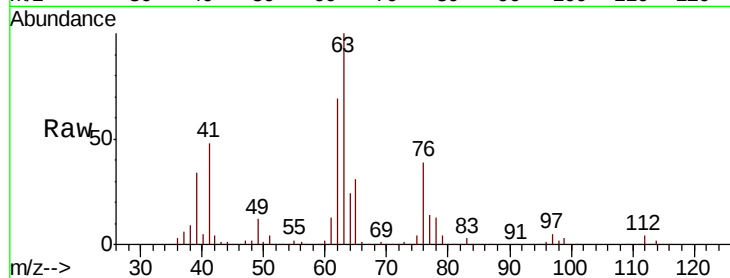
ClientSampled :

Tot Ion: 63 Resp: 457230

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN050837.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN050837.D (-2249) (-)

9.12

250000

200000

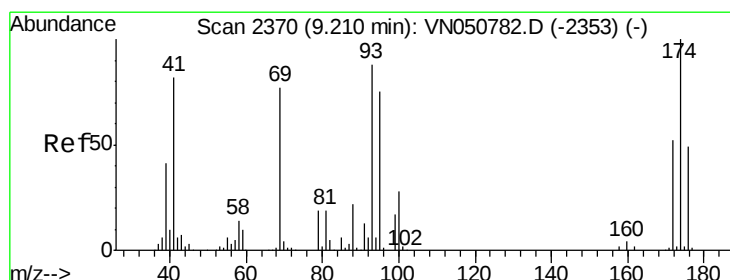
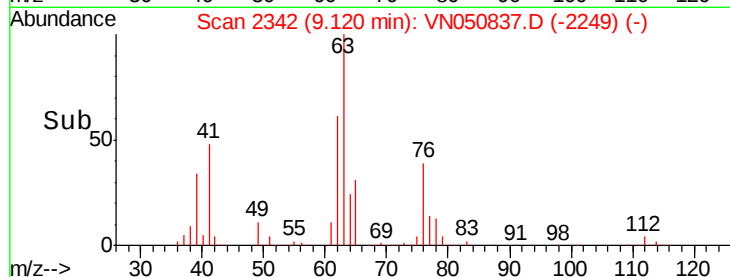
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.11 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

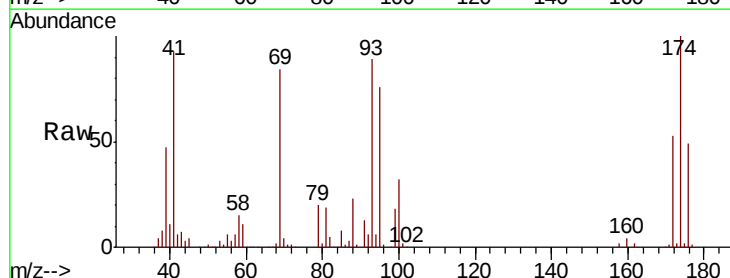
Tgt Ion: 93 Resp: 267739

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 112.2 89.8 134.6



Abundance Ion 92.80 (92.50 to 93.50): VN050837.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN050837.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN050837.D (-2277) (-)

9.21

200000

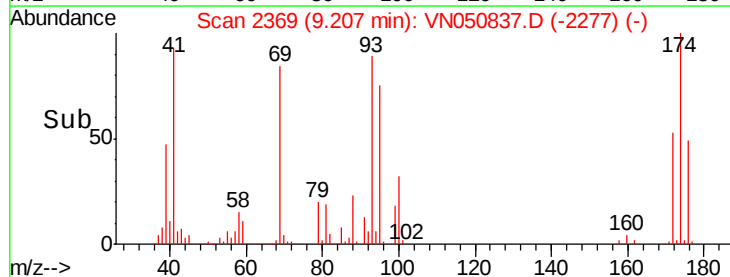
150000

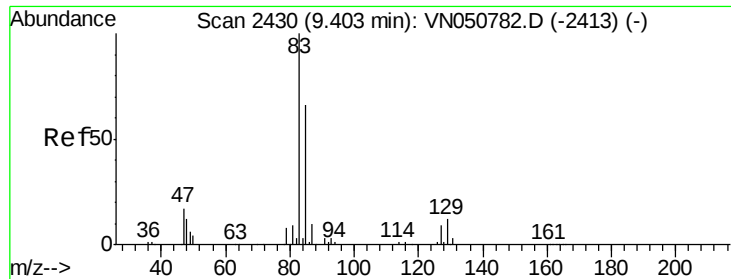
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 51.28 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

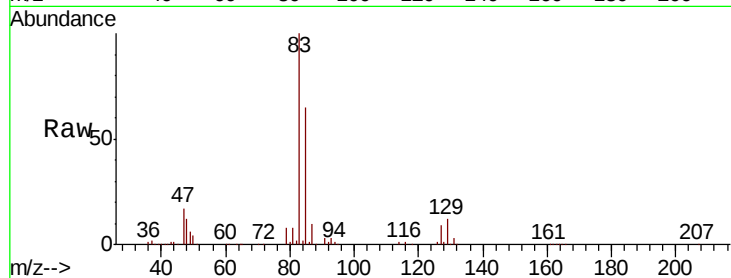
Tot Ion: 83 Resp: 573889

Ion Ratio Lower Upper

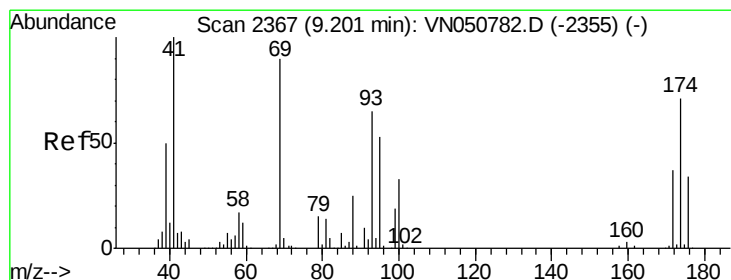
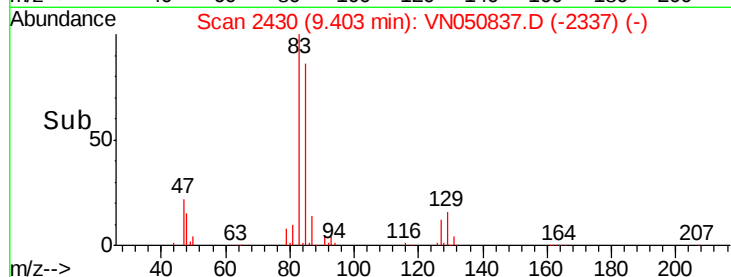
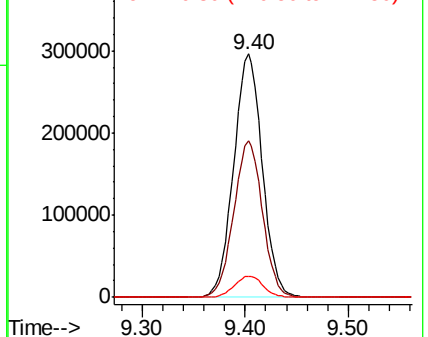
83 100

85 64.5 52.6 78.8

127 8.7 7.2 10.8



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



#48

Methyl methacrylate

Concen: 51.34 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

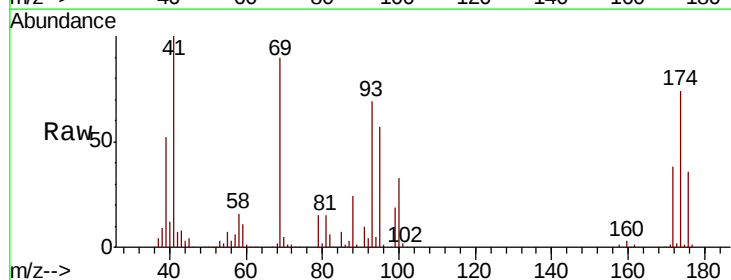
Tgt Ion: 41 Resp: 296483

Ion Ratio Lower Upper

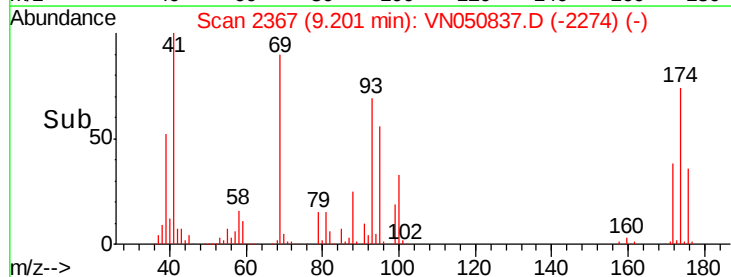
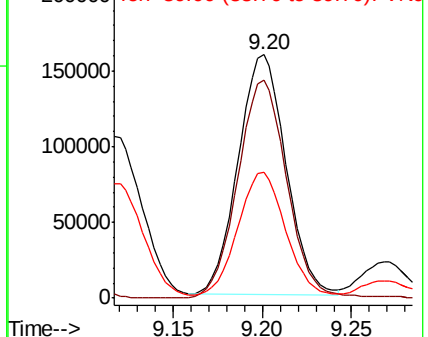
41 100

69 94.2 74.7 112.1

39 52.9 42.2 63.2



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





#49

1,4-Dioxane

Concen: 1010.90 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

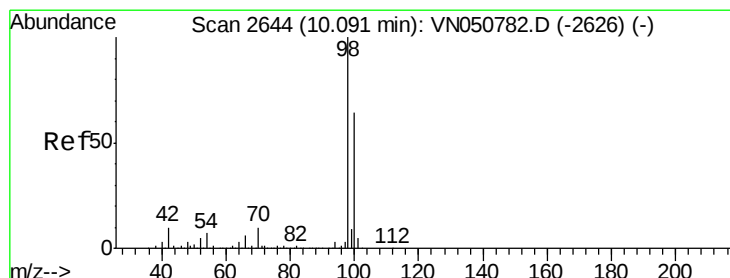
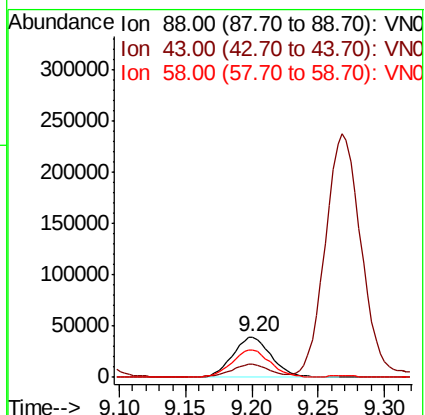
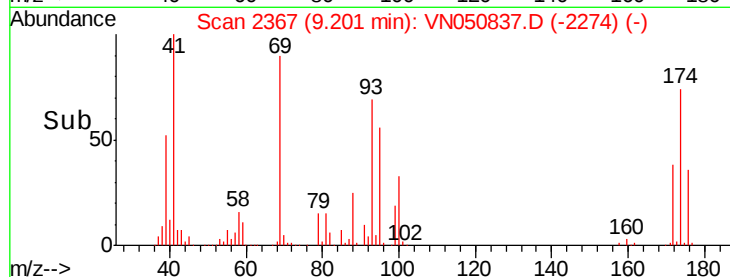
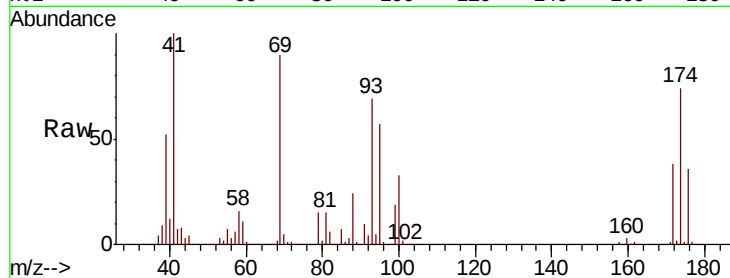
Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 79586

Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.9	38.9
58	67.8	55.0	82.4



#50

Toluene-d8

Concen: 50.56 ug/l

RT: 10.09 min Scan# 2644

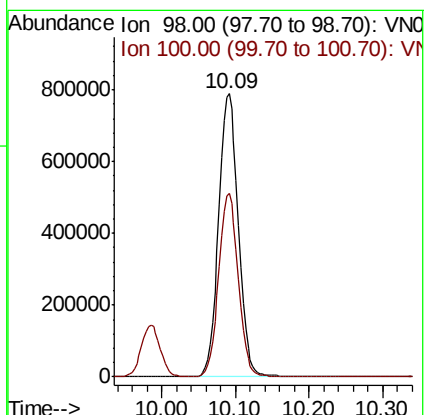
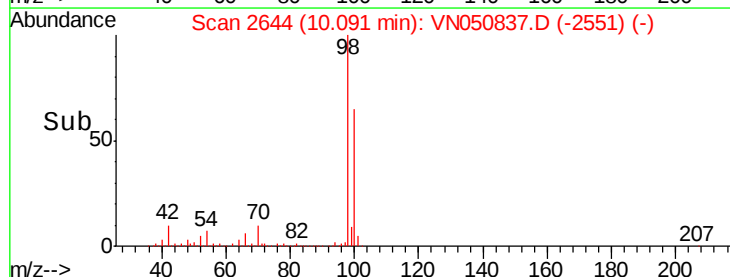
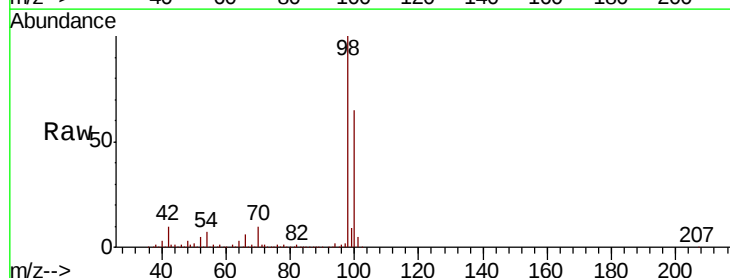
Delta R.T. -0.00 min

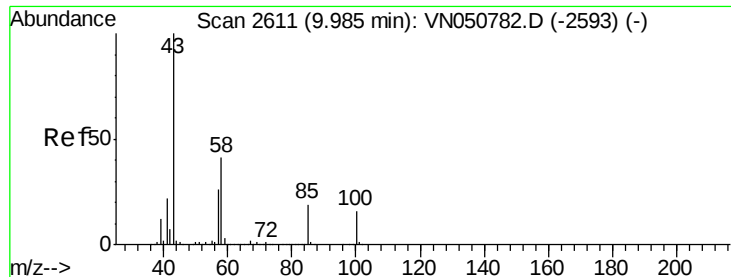
Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion: 98 Resp: 1462106

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3

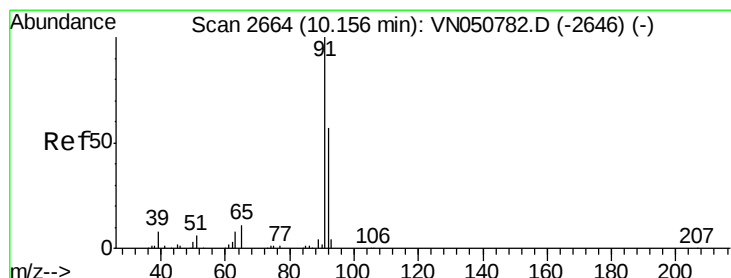
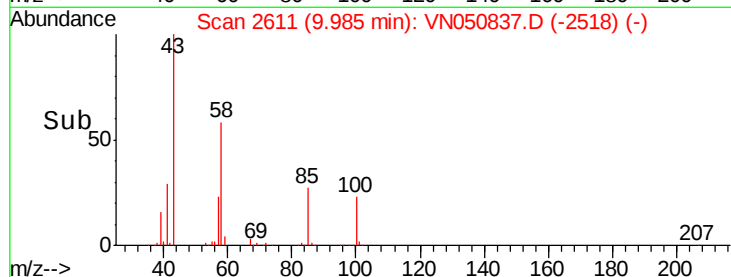
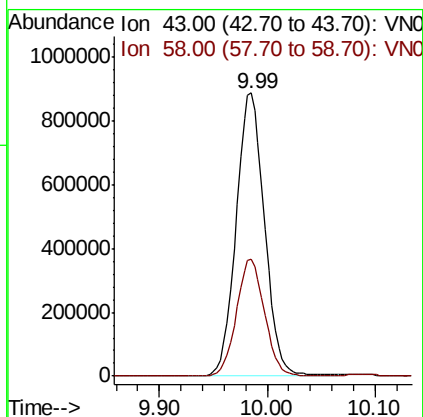
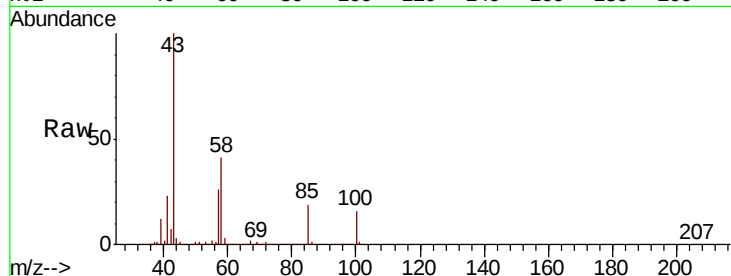




#51
 4-Methyl-2-Pentanone
 Concen: 240.16 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

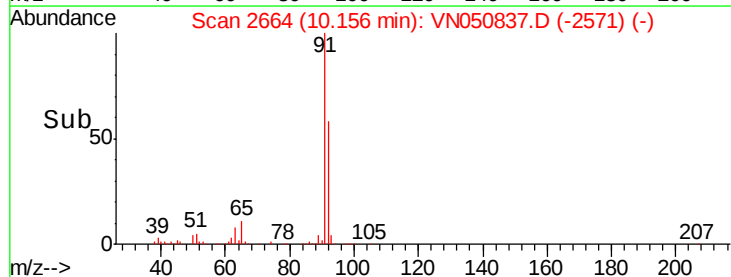
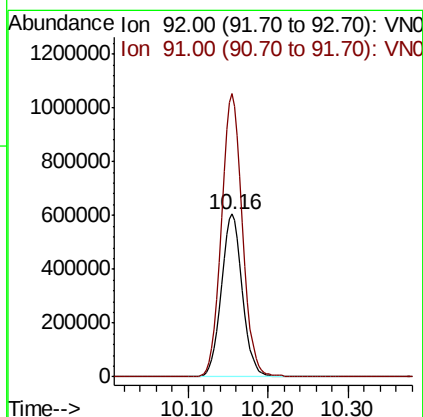
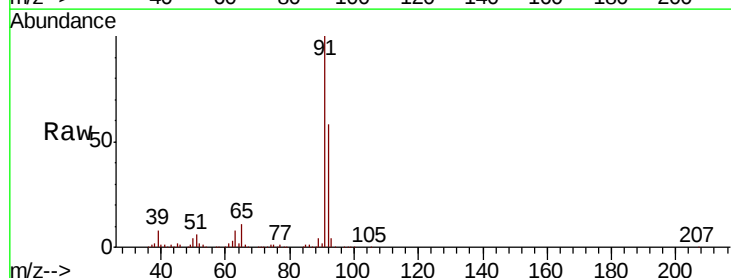
Instrument :
 MSVOA_N
 ClientSampled :

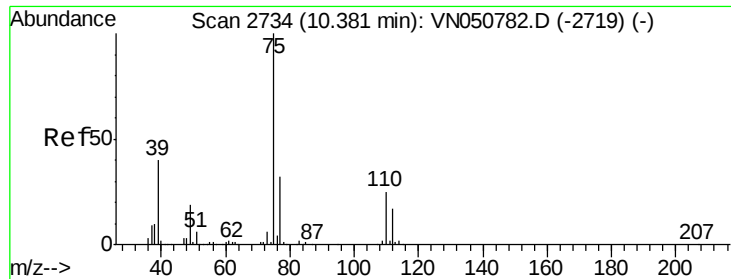
Tot Ion: 43 Resp: 1624019
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6



#52
 Toluene
 Concen: 53.45 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion: 92 Resp: 1095412
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 51.85 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

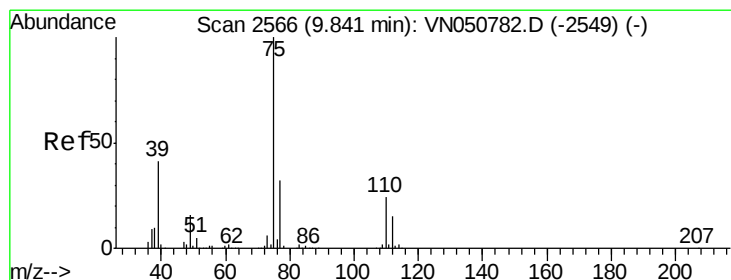
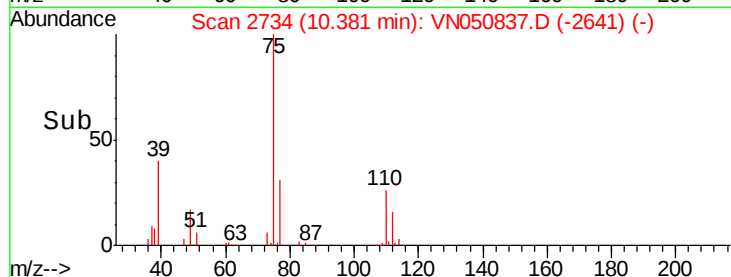
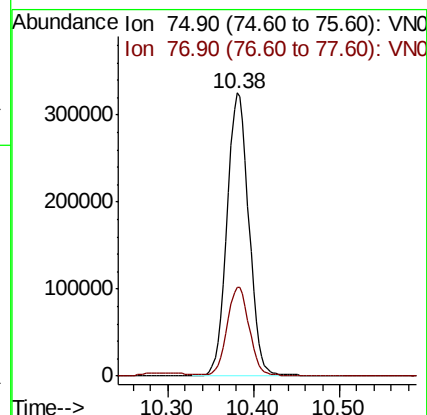
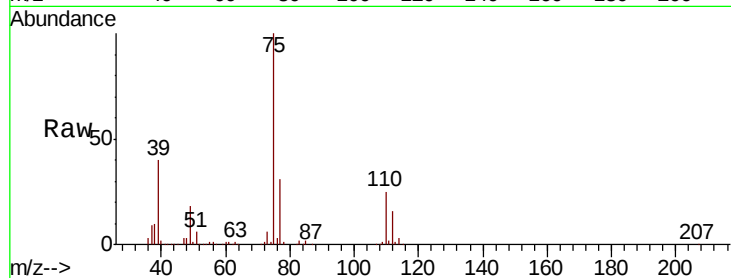
ClientSampled :

Tot Ion: 75 Resp: 577524

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 53.55 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

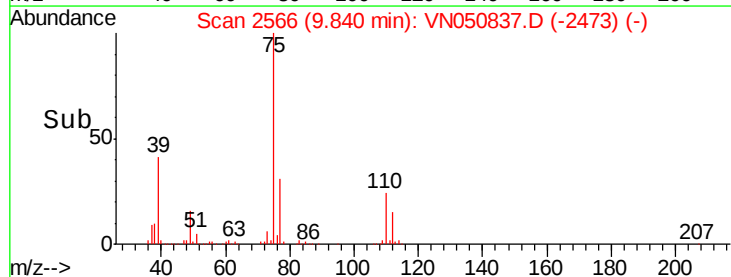
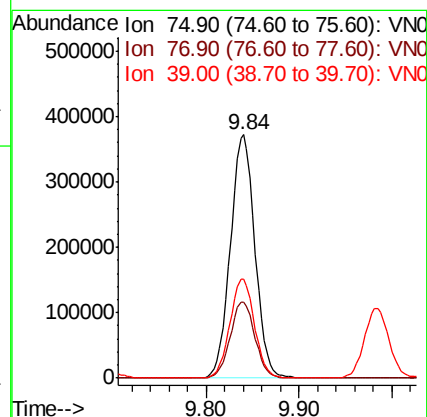
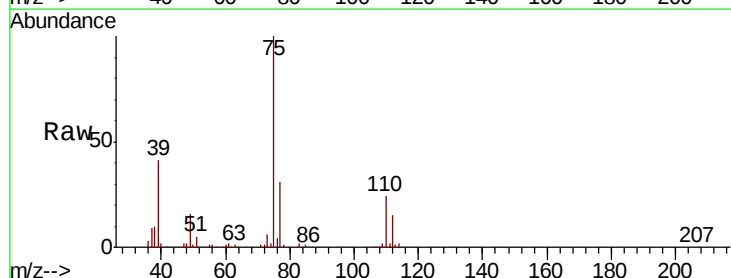
Tgt Ion: 75 Resp: 683035

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

39 40.7 33.0 49.4

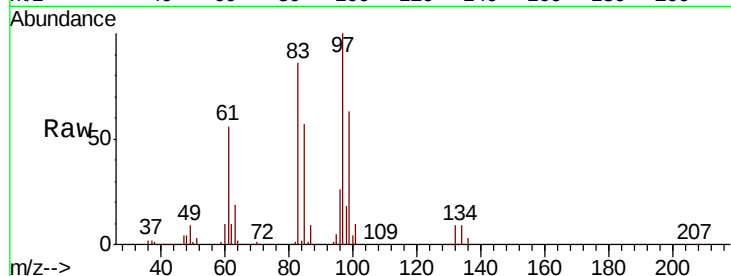




#55
 1,1,2-Trichloroethane
 Concen: 50.06 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.7	104.5
85	57.4	44.5	66.7
99	62.9	50.7	76.1



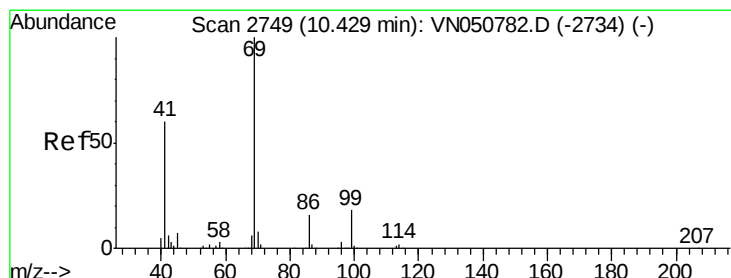
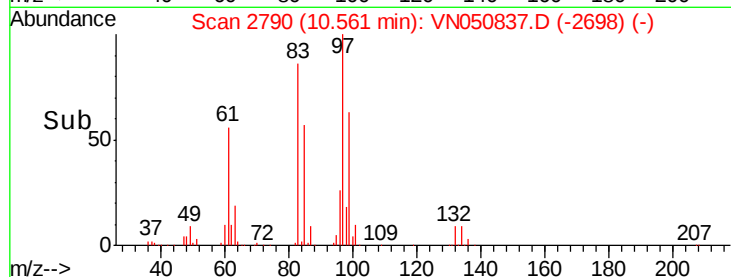
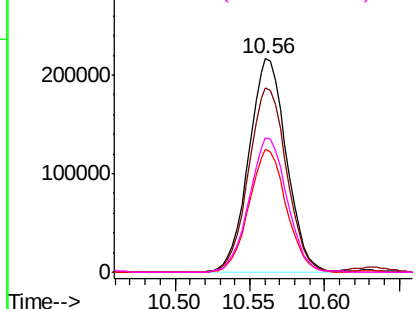
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

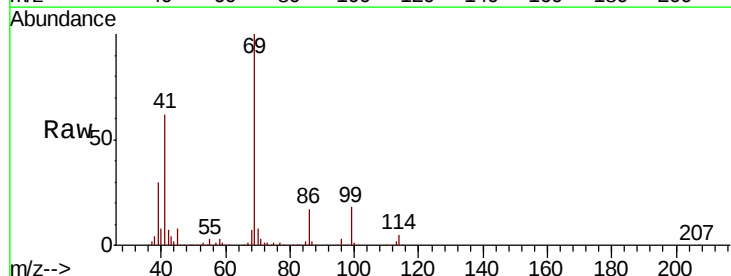
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 46.83 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.3	72.5
39	29.7	24.0	36.0

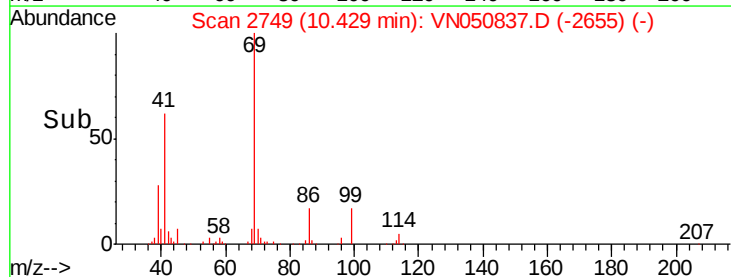
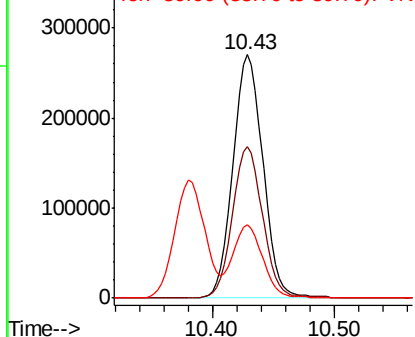


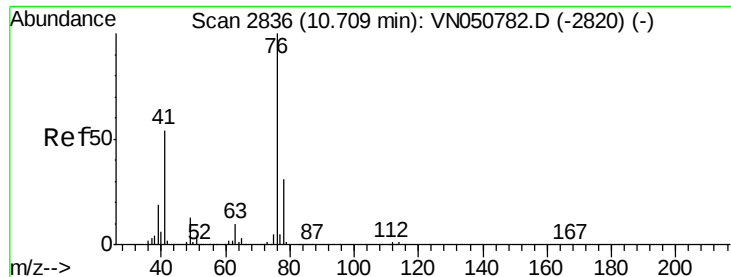
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

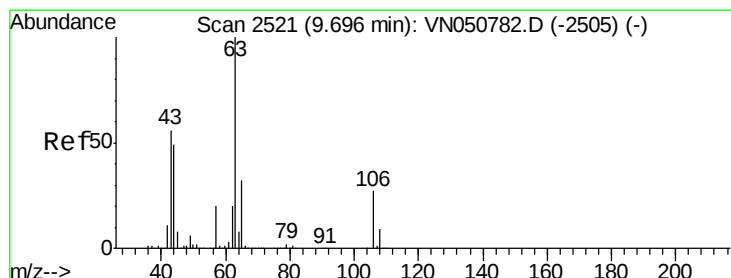
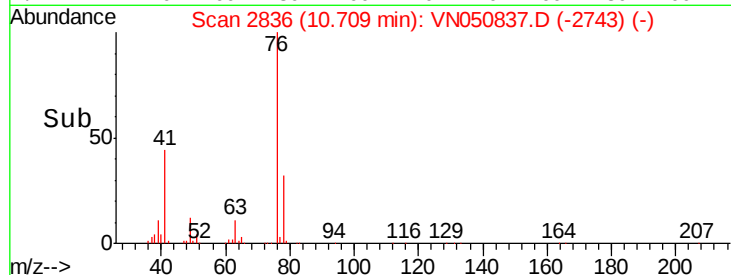
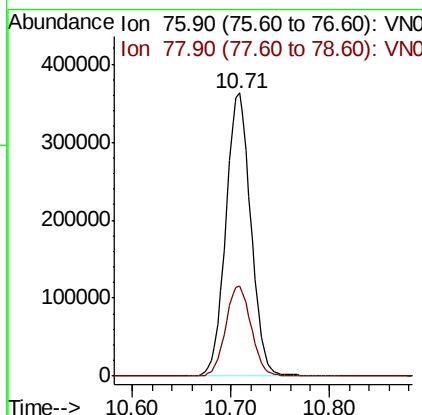
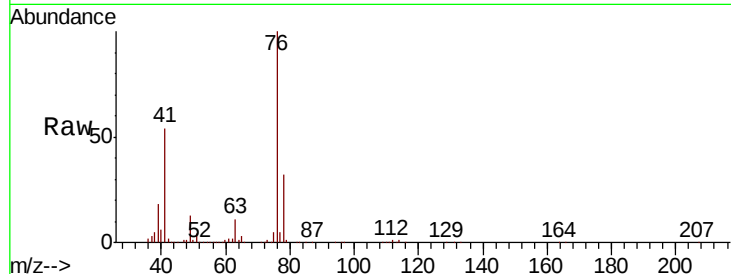




#57
 1,3-Dichloropropane
 Concen: 51.11 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

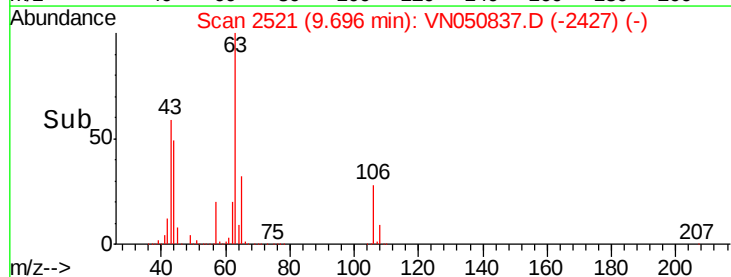
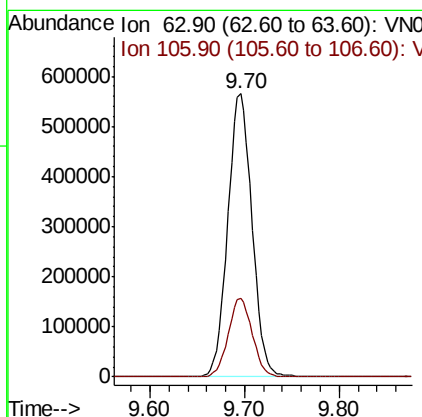
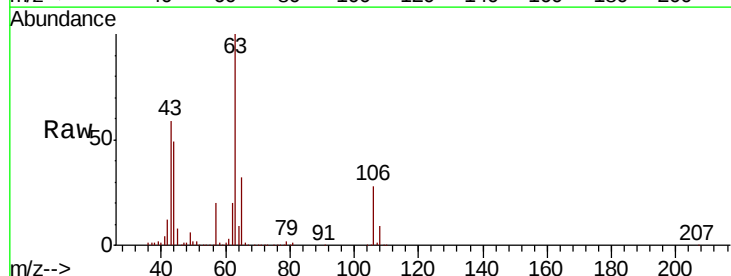
Instrument :
 MSVOA_N
 ClientSampled :

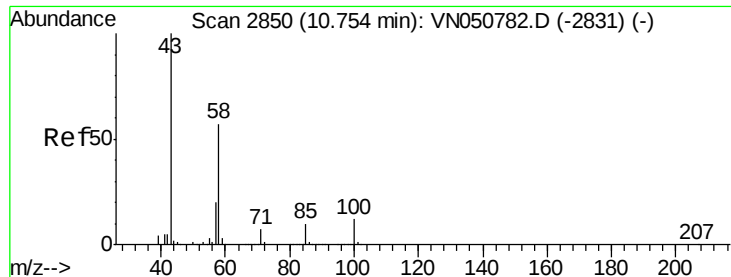
Tot Ion: 76 Resp: 641698
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.50 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion: 63 Resp: 1009107
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.9 32.9

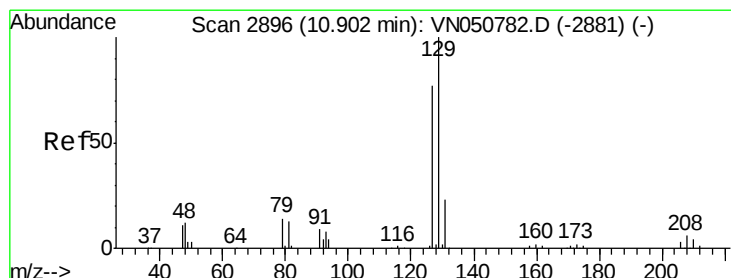
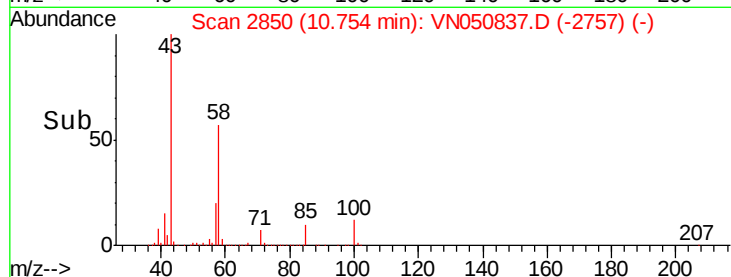
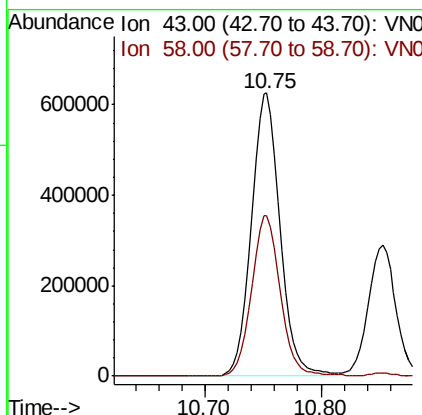
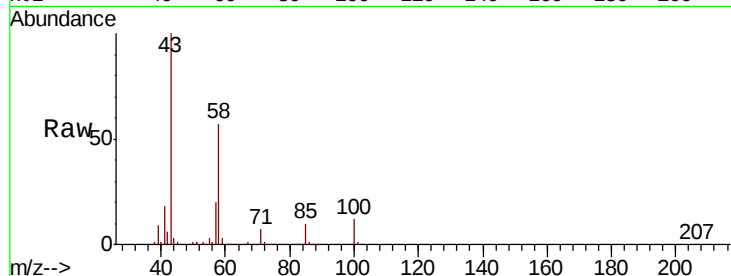




#59
2-Hexanone
Concen: 240.24 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

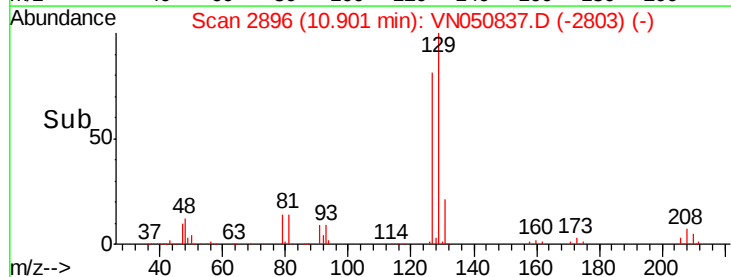
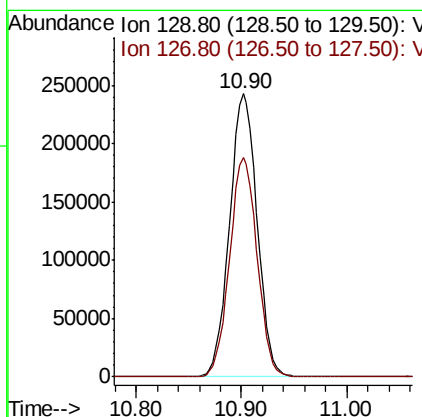
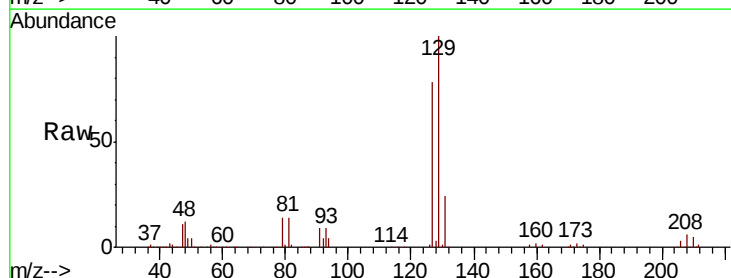
Instrument :
MSVOA_N
ClientSampleId :

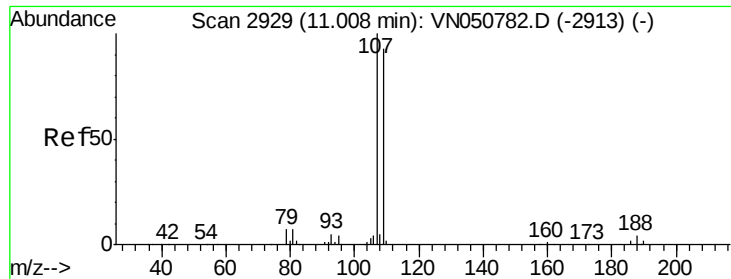
Tot Ion: 43 Resp: 1081522
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0



#60
Dibromochloromethane
Concen: 51.53 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 129 Resp: 438915
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 51.32 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

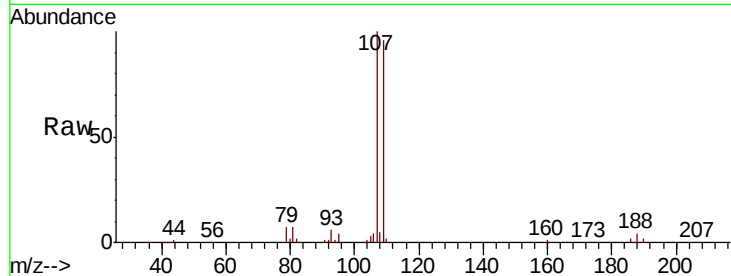
ClientSampleId :

Tot Ion:107 Resp: 377522

Ion Ratio Lower Upper

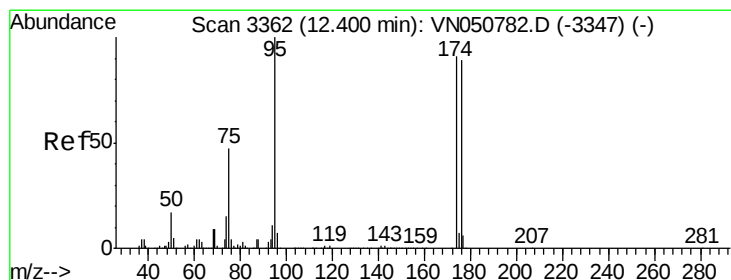
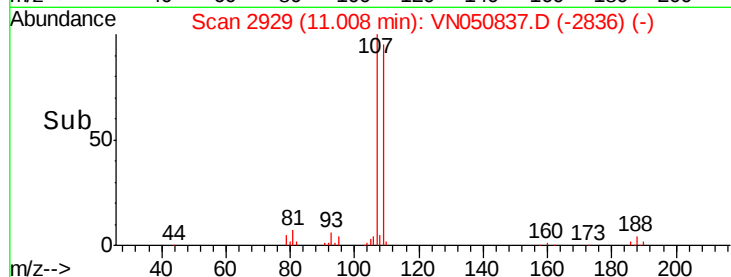
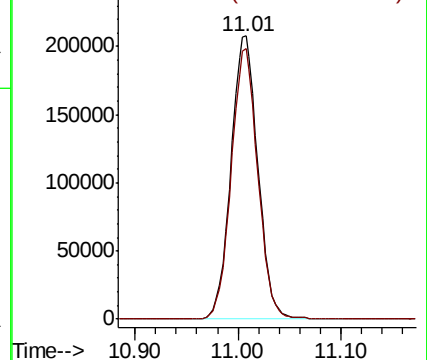
107 100

109 94.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.76 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

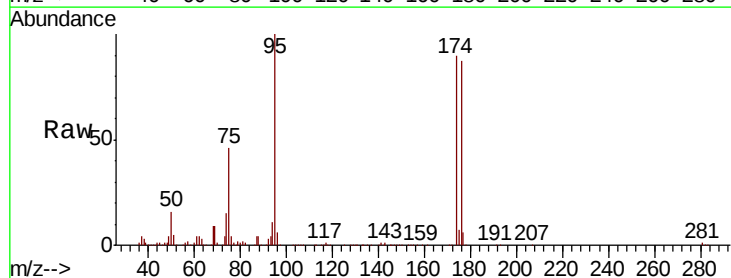
Tgt Ion: 95 Resp: 487788

Ion Ratio Lower Upper

95 100

174 90.1 0.0 183.0

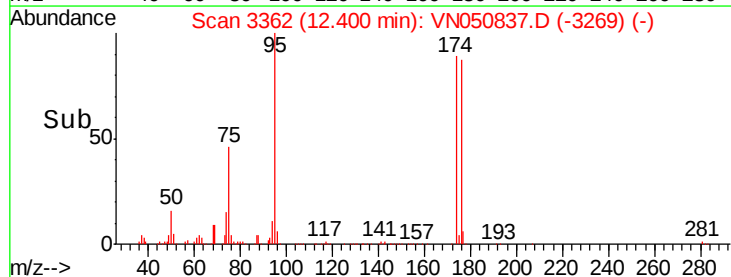
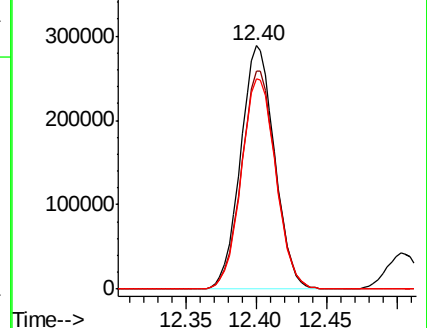
176 87.9 0.0 178.8

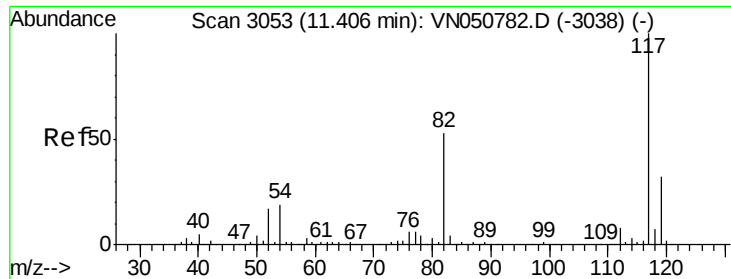


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

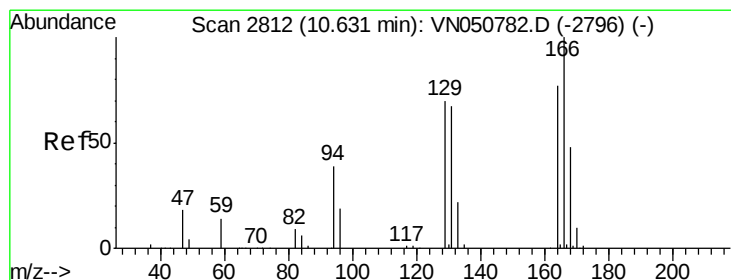
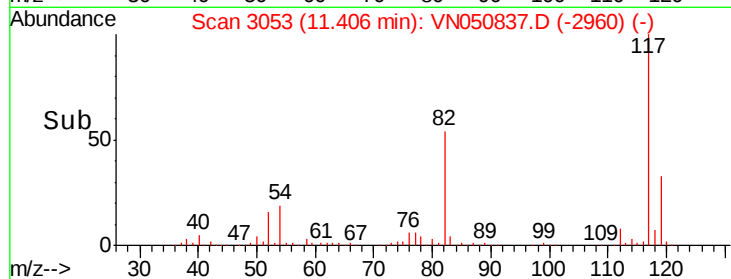
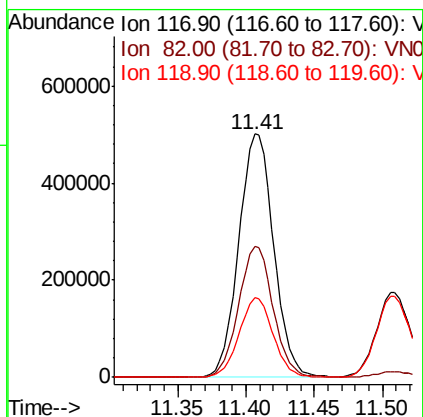
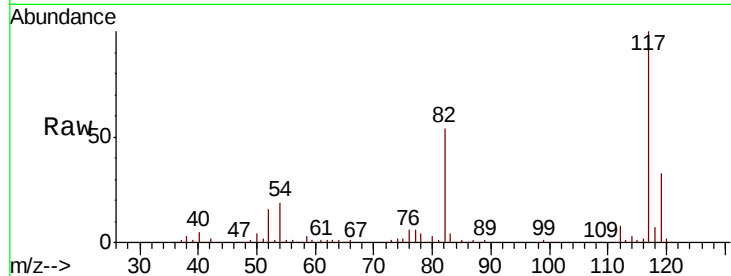




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

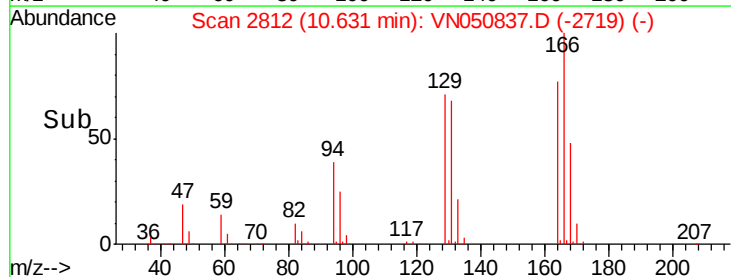
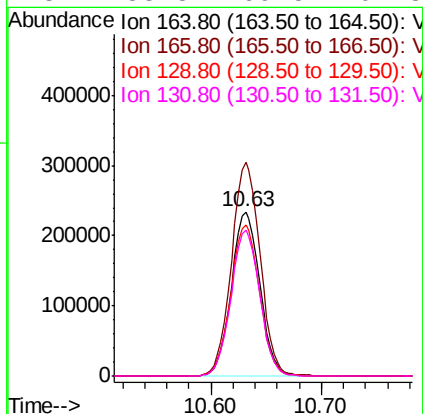
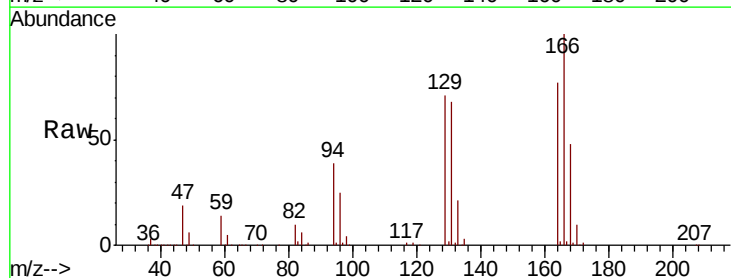
Instrument :
MSVOA_N
ClientSampleId :

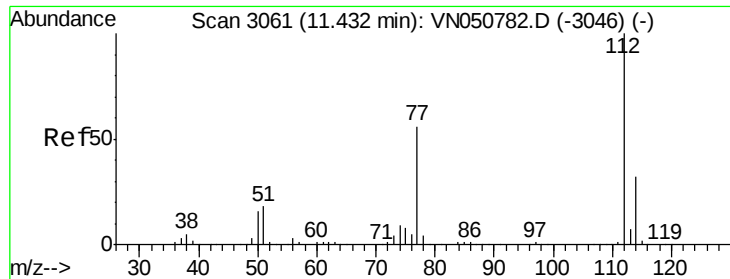
Tot Ion:117 Resp: 891063
Ion Ratio Lower Upper
117 100
82 54.0 42.6 64.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 49.66 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion:164 Resp: 420278
Ion Ratio Lower Upper
164 100
166 130.1 103.5 155.3
129 92.3 72.7 109.1
131 88.8 69.5 104.3

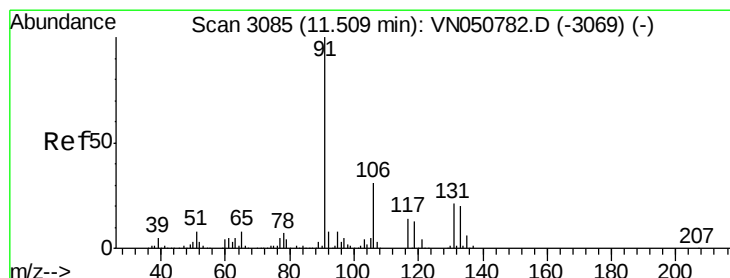
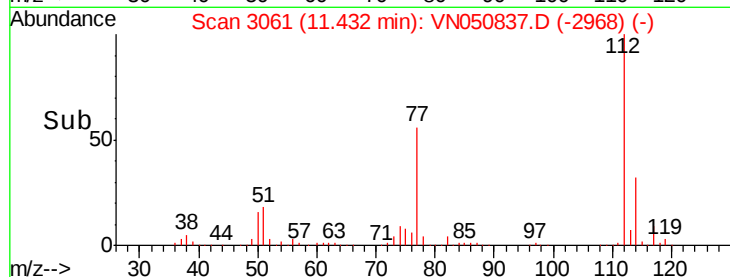
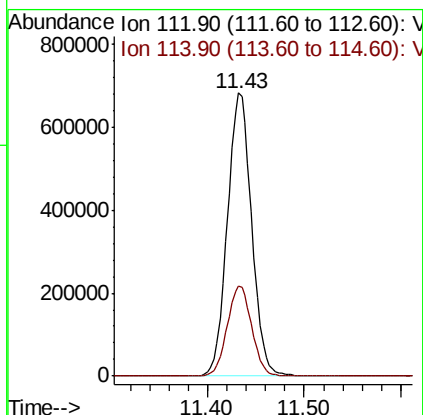
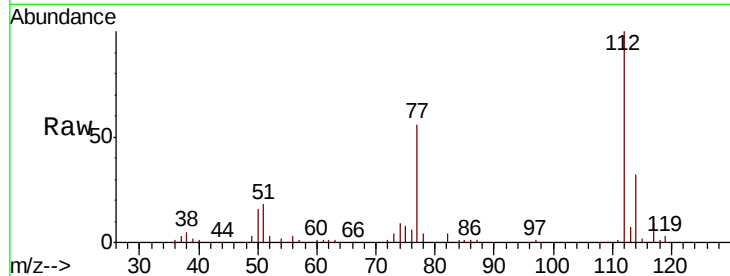




#65
Chlorobenzene
Concen: 50.95 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

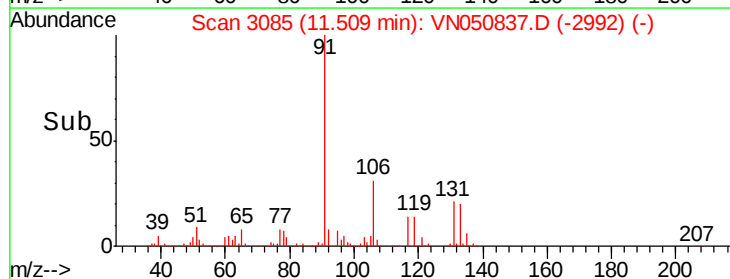
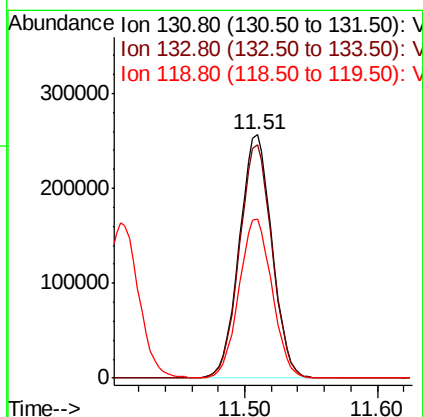
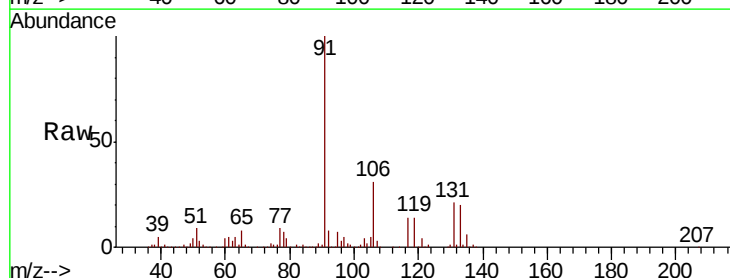
Instrument :
MSVOA_N
ClientSampled :

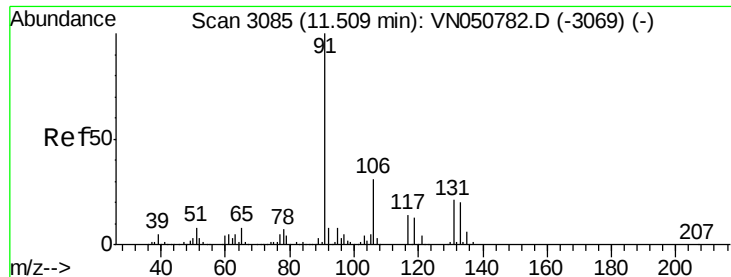
Tot Ion:112 Resp: 1186563
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.41 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion:131 Resp: 438092
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 66.2 32.8 98.4

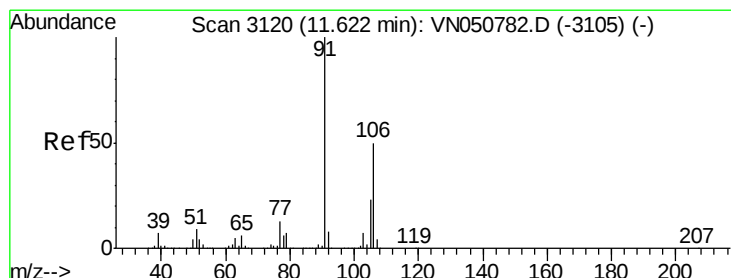
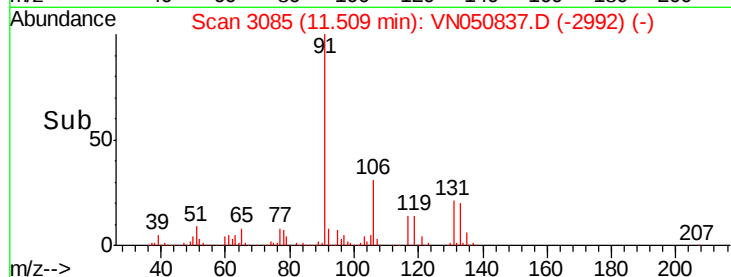
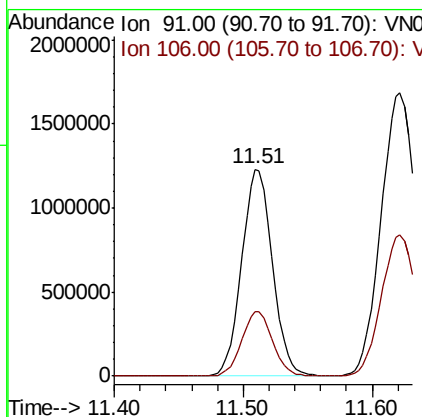
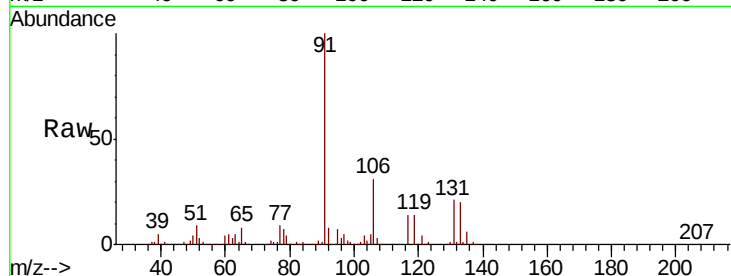




#67
Ethyl Benzene
Concen: 53.92 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

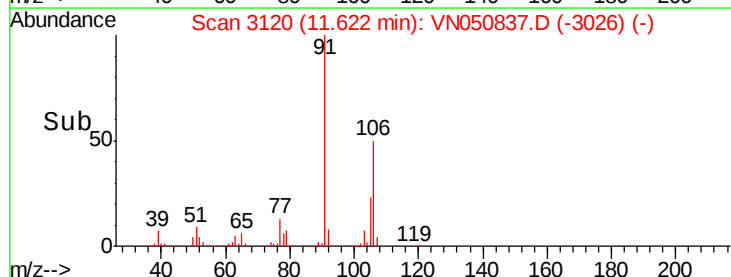
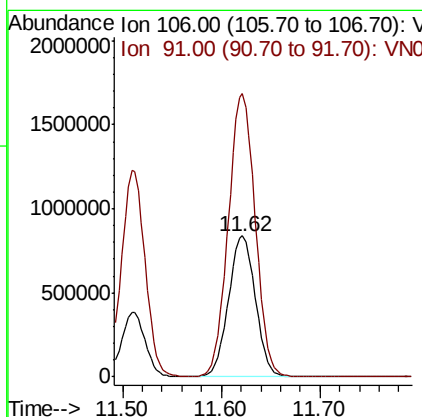
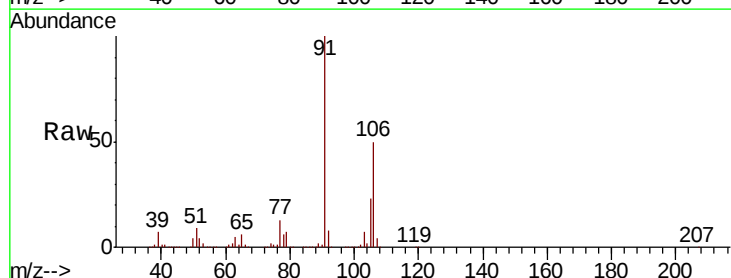
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 2041751
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 111.30 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 106 Resp: 1599576
Ion Ratio Lower Upper
106 100
91 200.8 161.0 241.6

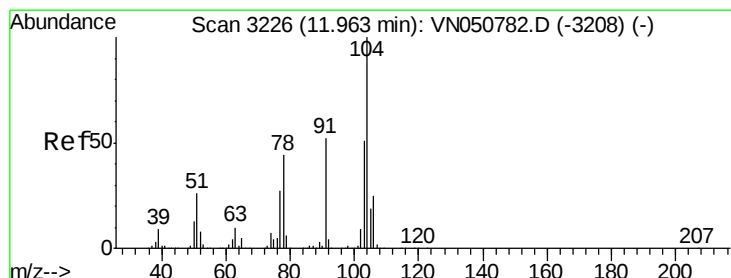
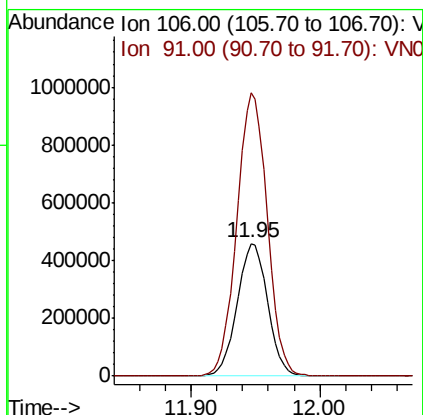
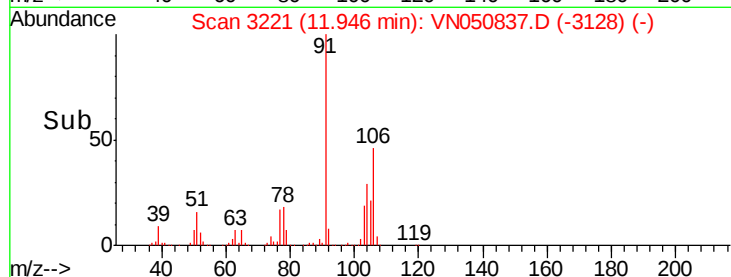
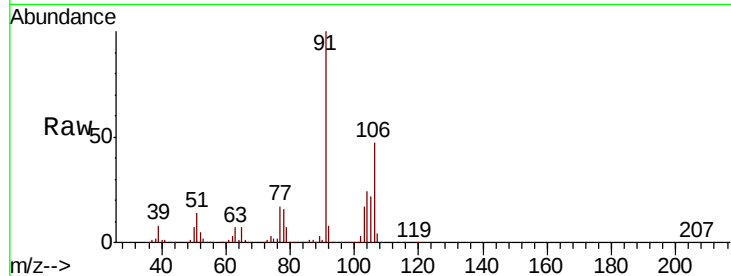




#69
o-Xylene
Concen: 54.64 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

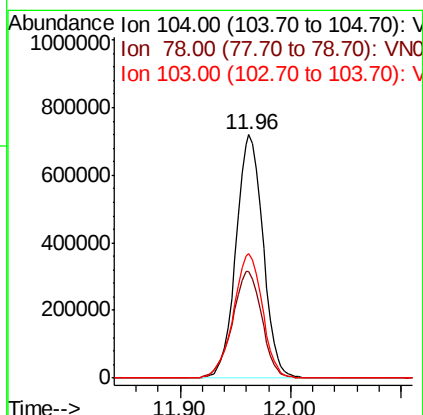
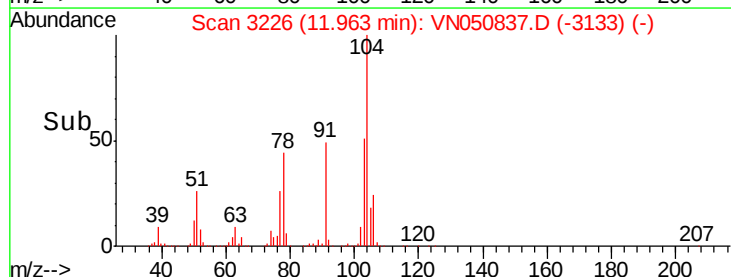
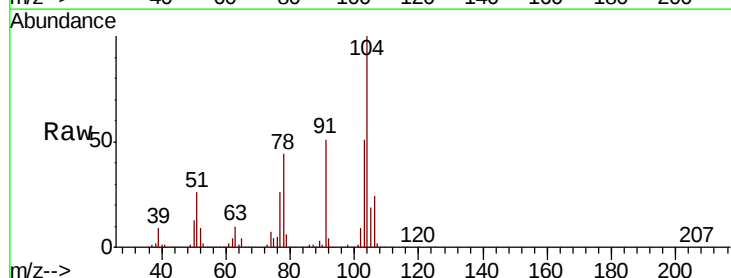
Instrument :
MSVOA_N
ClientSampled :

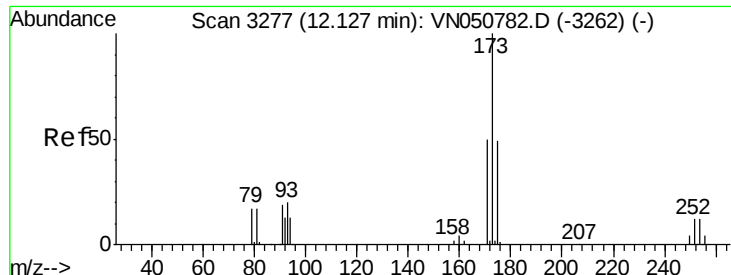
Tot Ion:106 Resp: 754981
Ion Ratio Lower Upper
106 100
91 212.7 106.5 319.5



#70
Styrene
Concen: 50.13 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion:104 Resp: 1220818
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.4
103 55.1 44.4 66.6





#71

Bromoform

Concen: 50.99 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

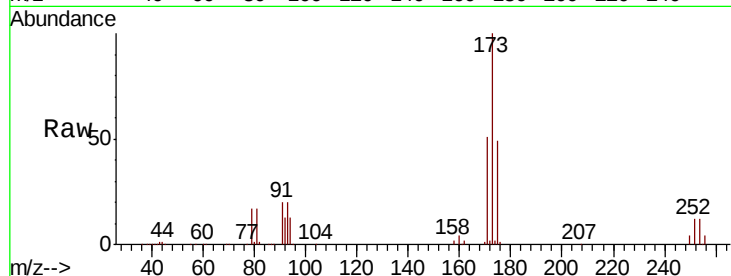
Tot Ion:173 Resp: 298841

Ion Ratio Lower Upper

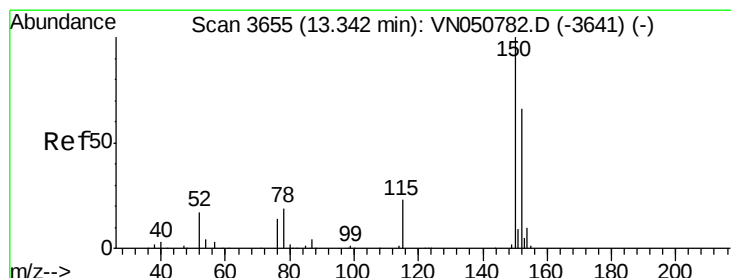
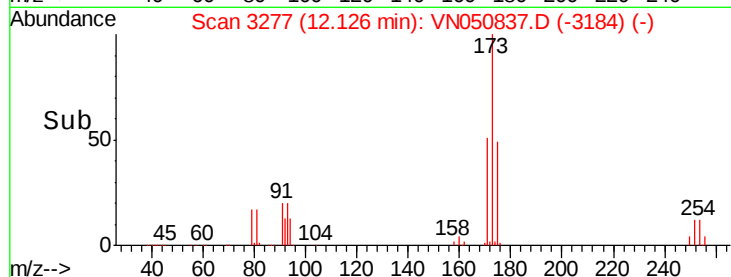
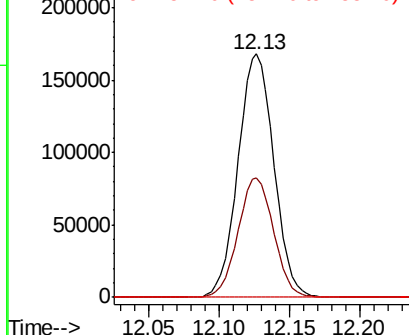
173 100

175 48.8 24.4 73.4

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

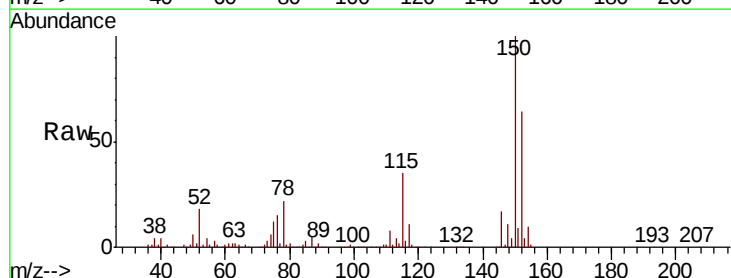
Tgt Ion:152 Resp: 457596

Ion Ratio Lower Upper

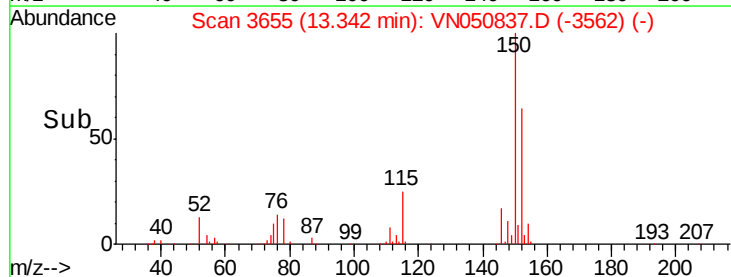
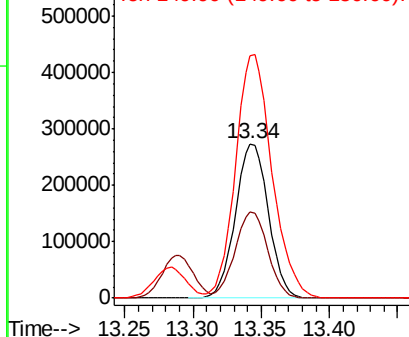
152 100

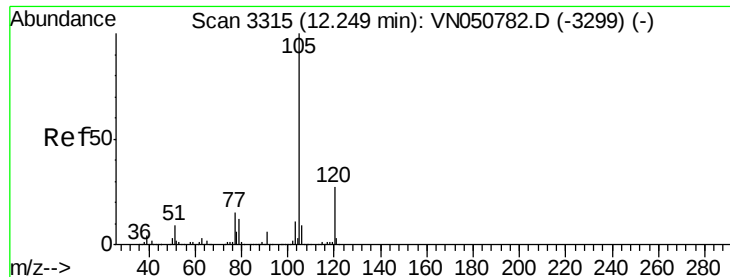
115 55.7 27.8 83.4

150 174.9 0.0 351.4



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





#73

Isopropylbenzene

Concen: 53.17 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

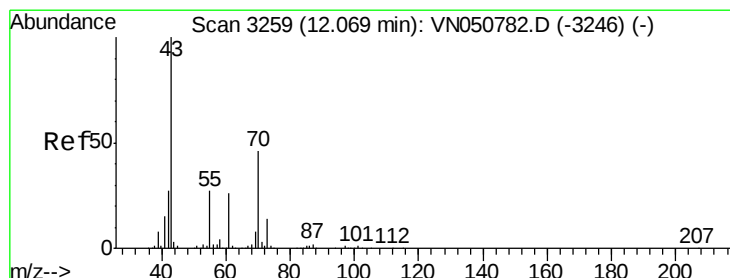
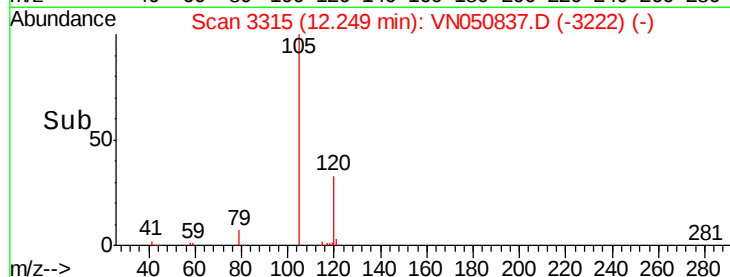
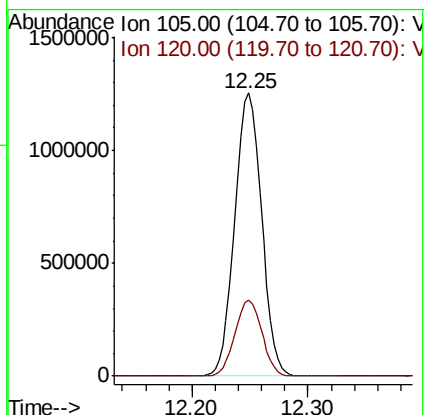
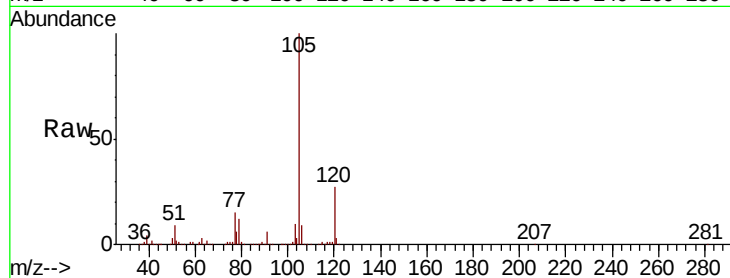
ClientSampled :

Tot Ion:105 Resp: 2014505

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 50.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Tgt Ion: 43 Resp: 482199

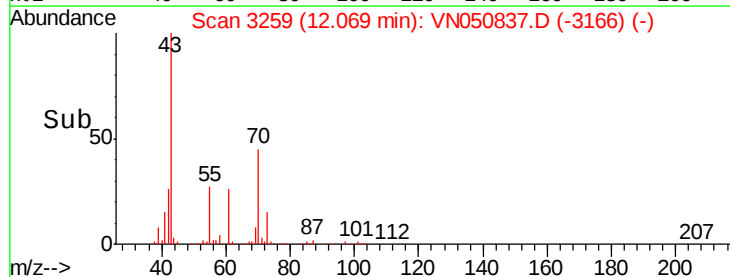
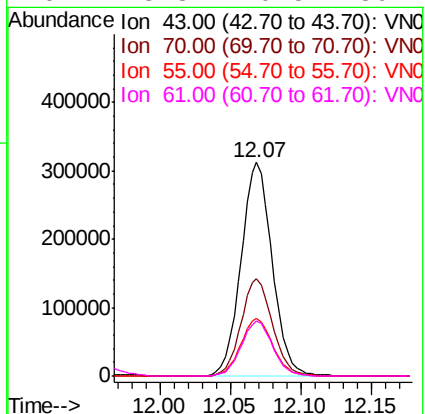
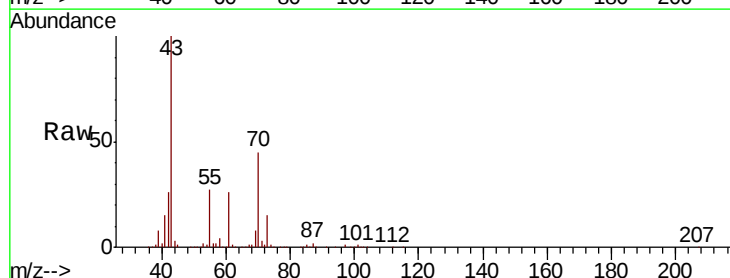
Ion Ratio Lower Upper

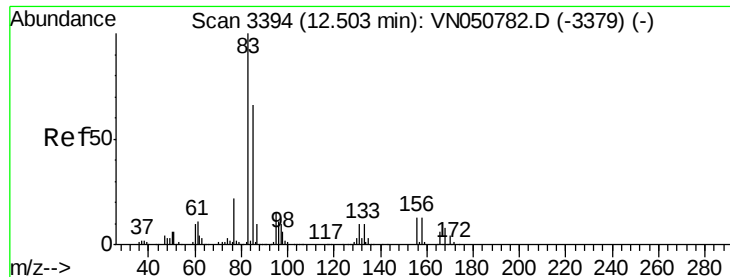
43 100

70 45.7 36.2 54.2

55 27.8 21.8 32.8

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.47 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

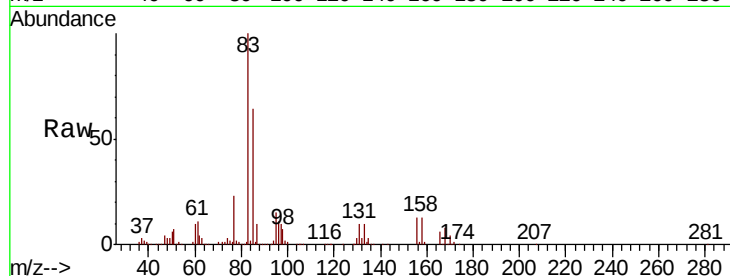
Tot Ion: 83 Resp: 464493

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	15.9
85	64.6	31.9	95.7

83 100

131 10.7 5.3 15.9

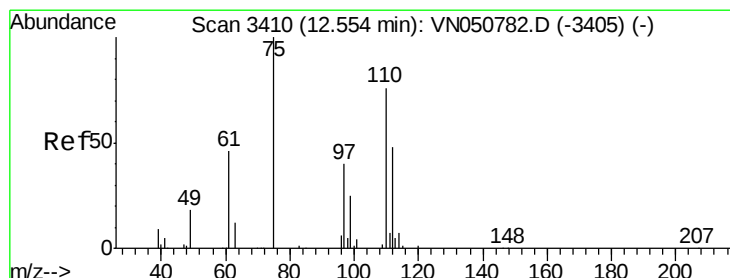
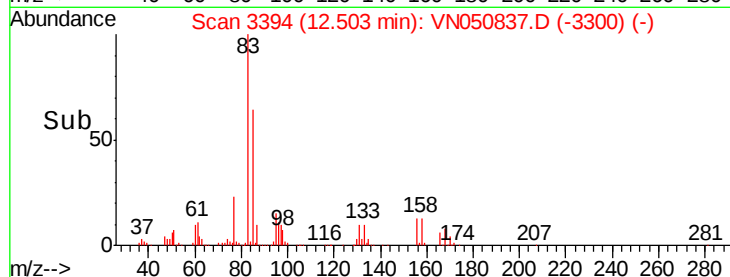
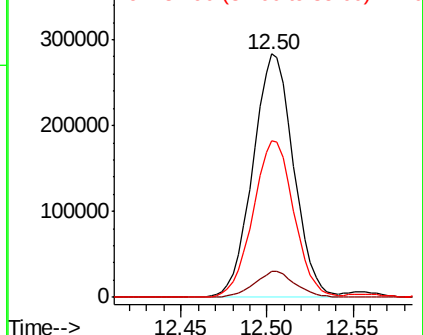
85 64.6 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN050837.D (-3300) (-)

Ion 130.80 (130.50 to 131.50): VN050837.D (-3300) (-)

Ion 84.90 (84.60 to 85.60): VN050837.D (-3300) (-)



#76

1,2,3-Trichloropropane

Concen: 68.99 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050837.D

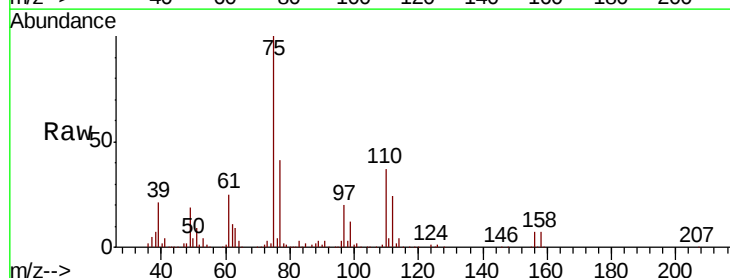
Acq: 23 Aug 2018 8:31

Tgt Ion: 75 Resp: 552968

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

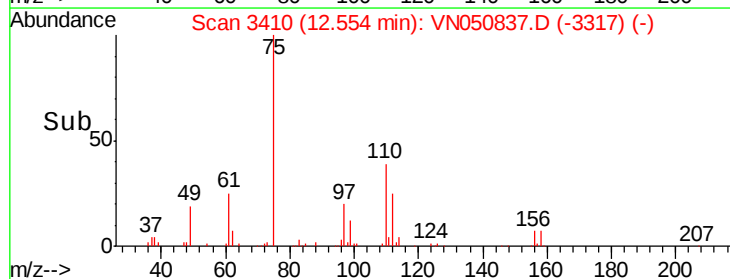
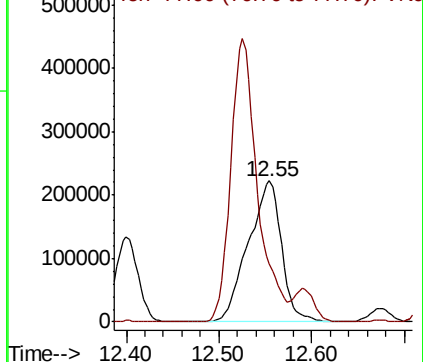
75 100

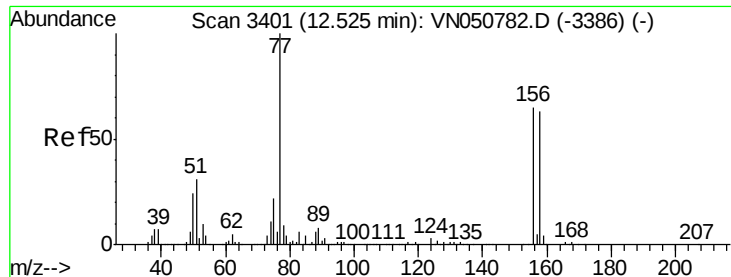
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050837.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050837.D (-3317) (-)





#77

Bromobenzene

Concen: 48.59 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

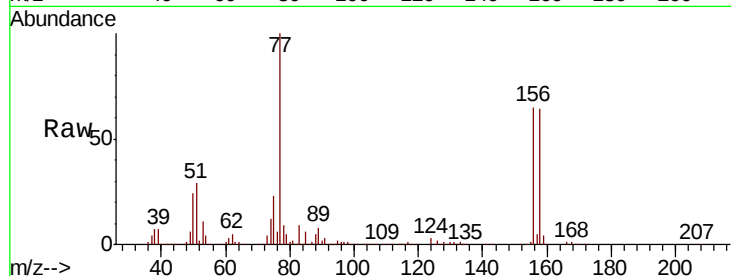
Tot Ion:156 Resp: 500353

Ion Ratio Lower Upper

156 100

77 178.4 89.9 269.7

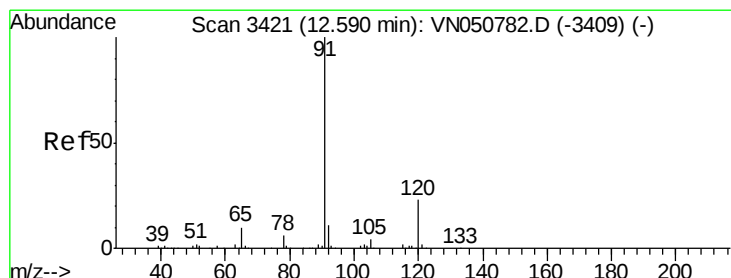
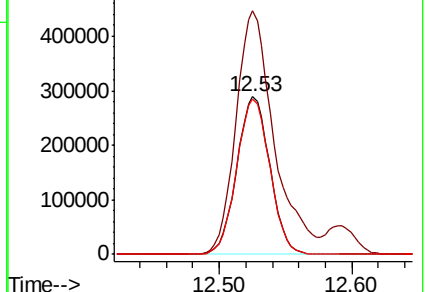
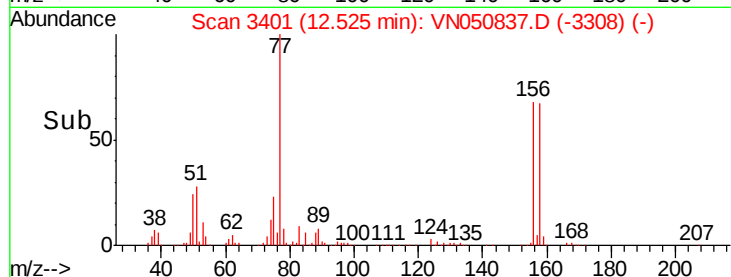
158 99.2 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.16 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050837.D

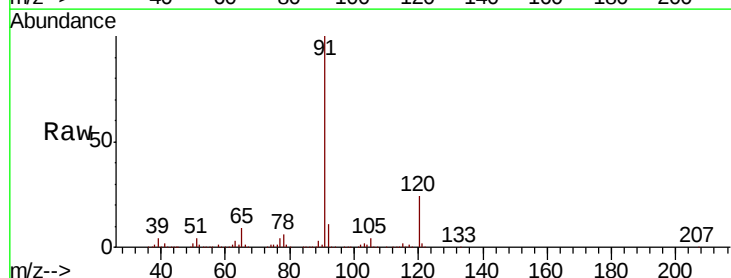
Acq: 23 Aug 2018 8:31

Tgt Ion: 91 Resp: 2292524

Ion Ratio Lower Upper

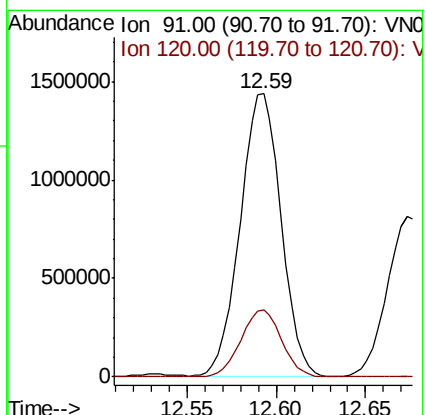
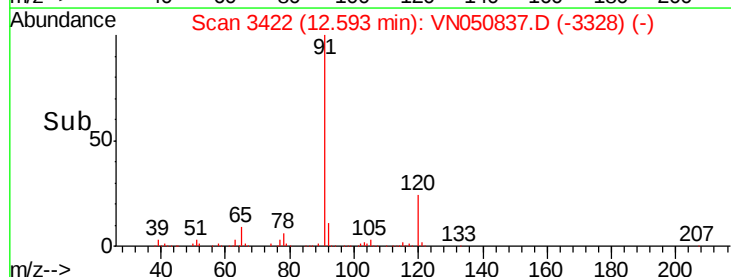
91 100

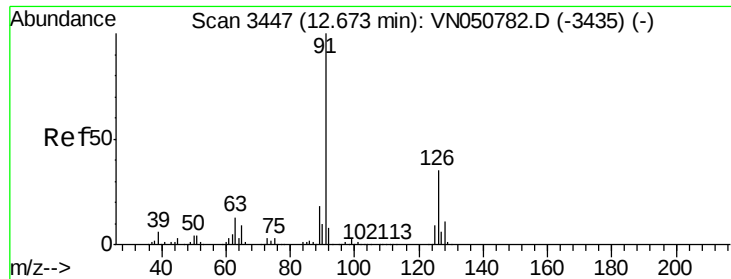
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.16 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

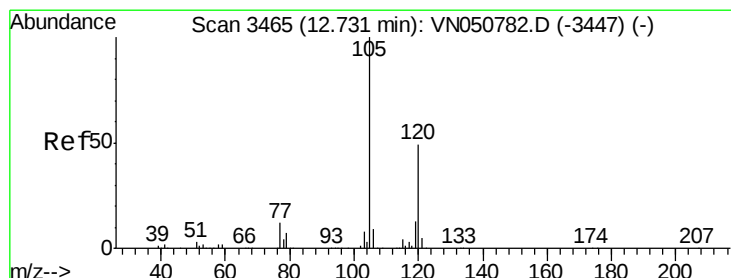
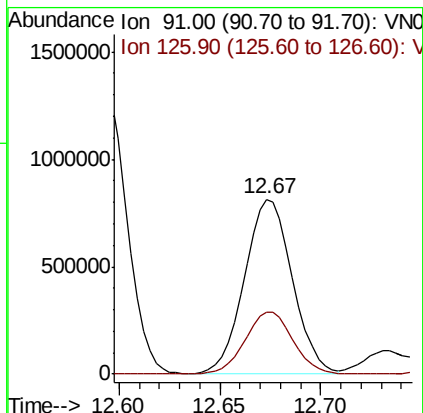
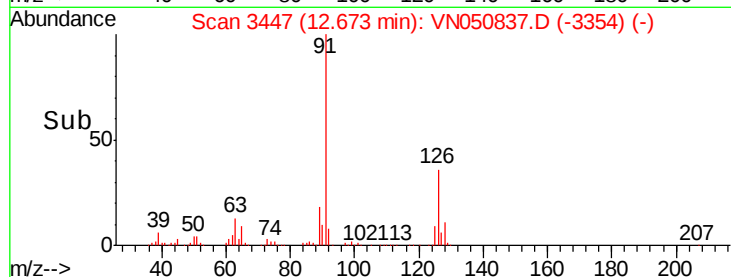
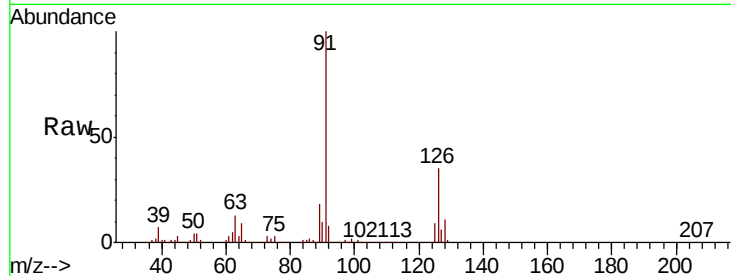
ClientSampled :

Tot Ion: 91 Resp: 1348862

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 53.87 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050837.D

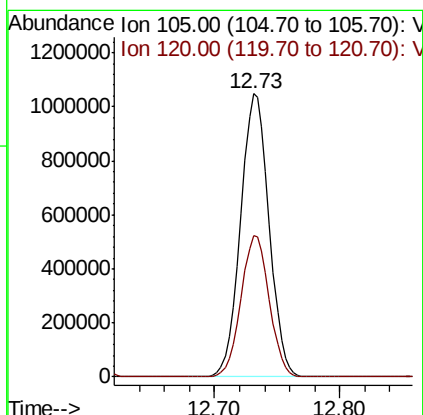
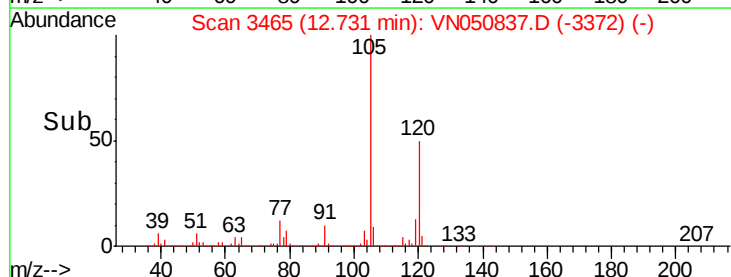
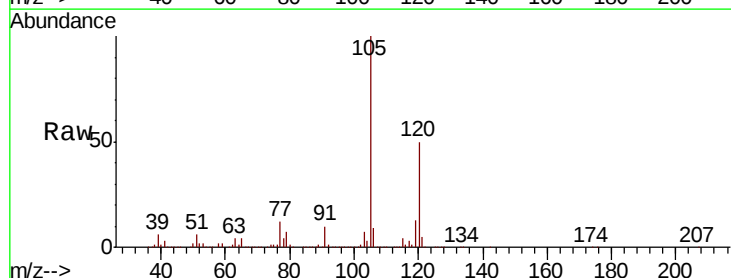
Acq: 23 Aug 2018 8:31

Tgt Ion:105 Resp: 1646916

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.15 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

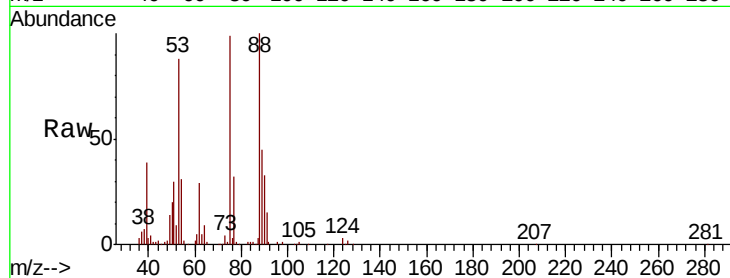
Tot Ion: 75 Resp: 118889

Ion Ratio Lower Upper

75 100

53 90.4 68.9 103.3

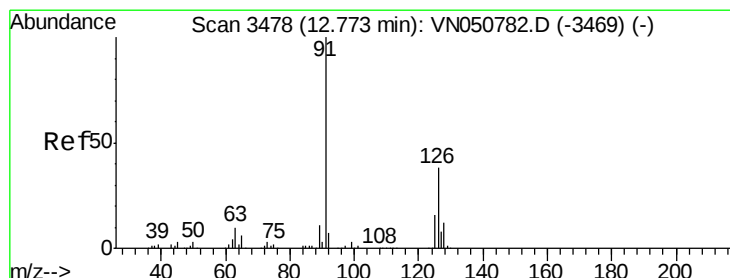
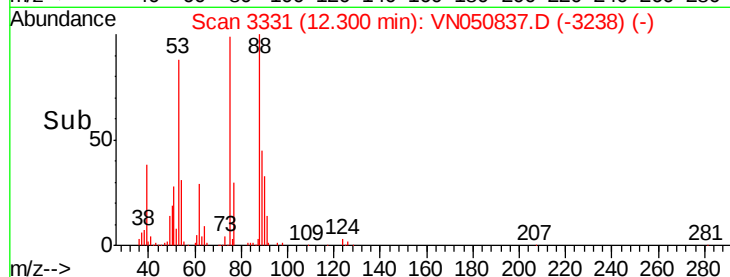
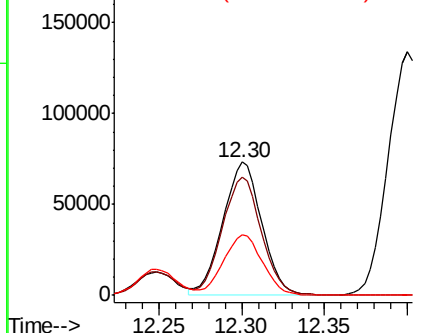
89 46.6 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.01 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050837.D

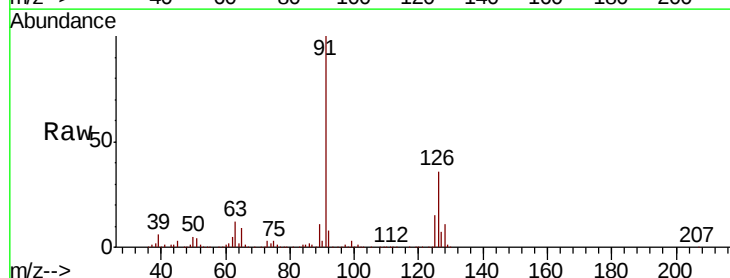
Acq: 23 Aug 2018 8:31

Tgt Ion: 91 Resp: 1353860

Ion Ratio Lower Upper

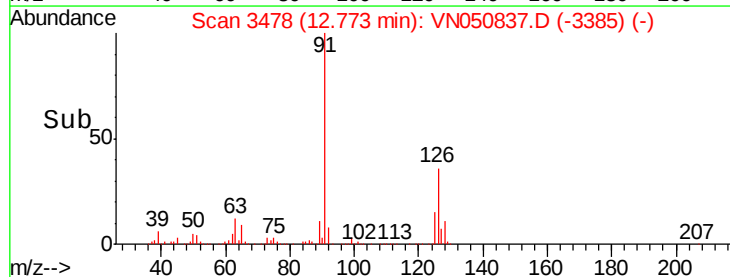
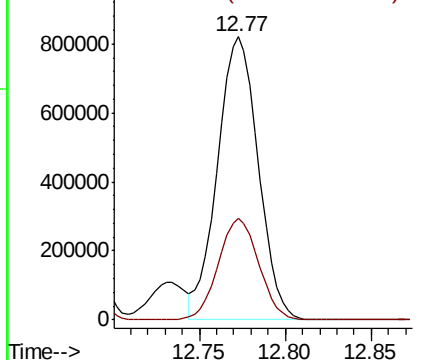
91 100

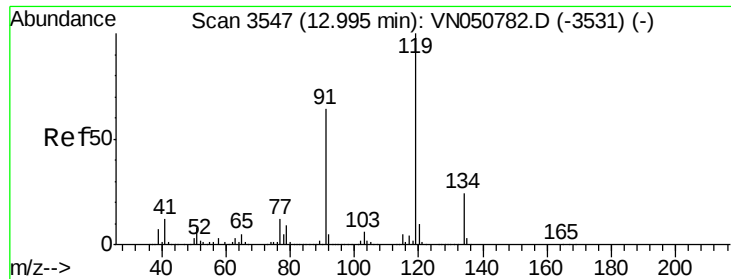
126 35.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

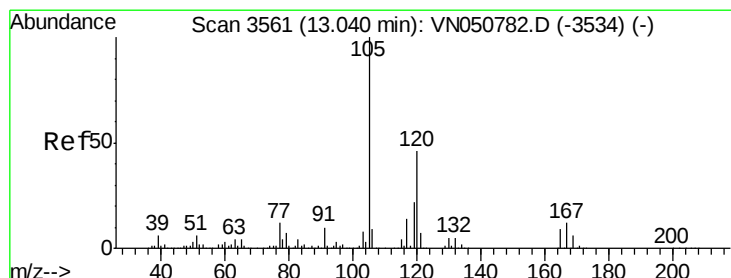
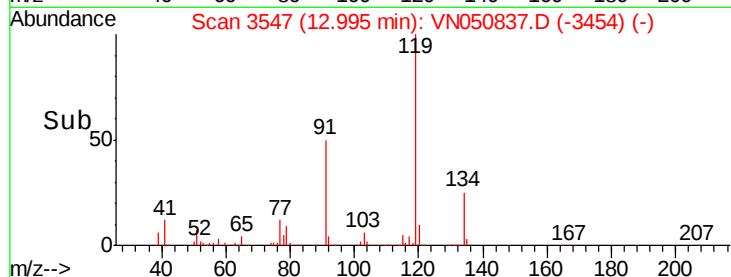
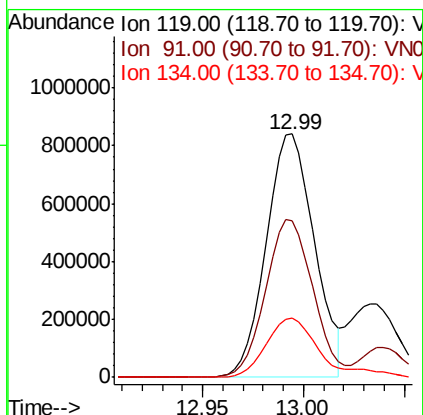
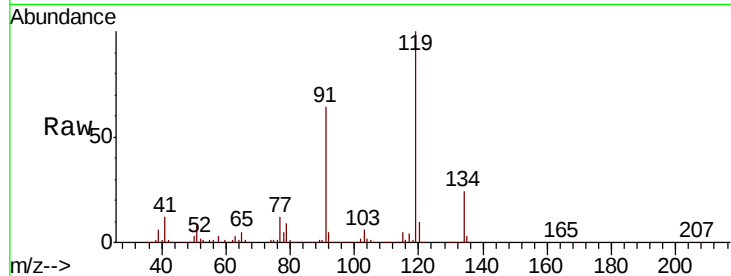




#83
 tert-Butylbenzene
 Concen: 52.79 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

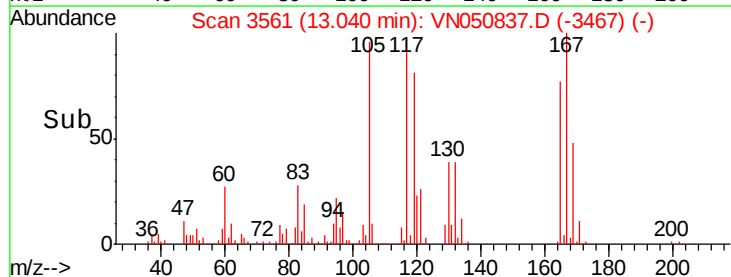
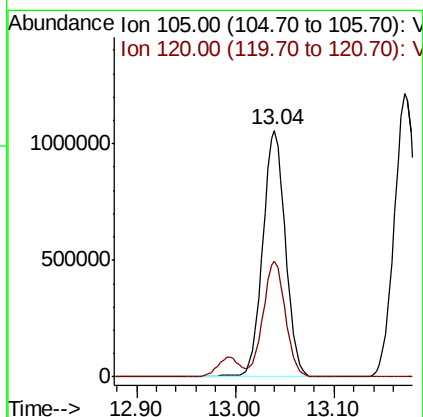
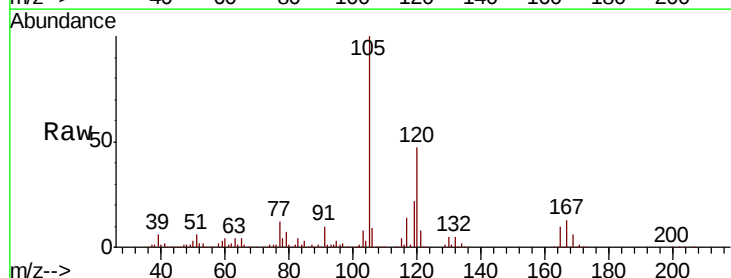
Instrument :
 MSVOA_N
 ClientSampleId :

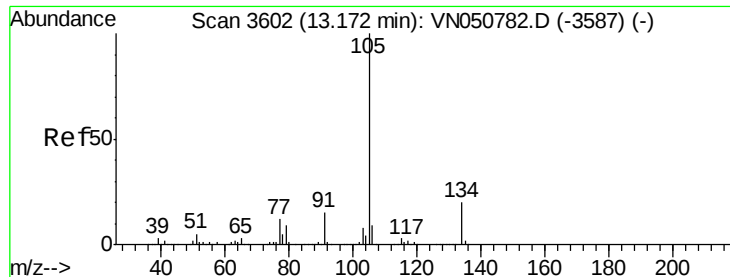
Tot Ion:119 Resp: 1397865
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 94.7
 134 27.0 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.12 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion:105 Resp: 1664459
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 53.81 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

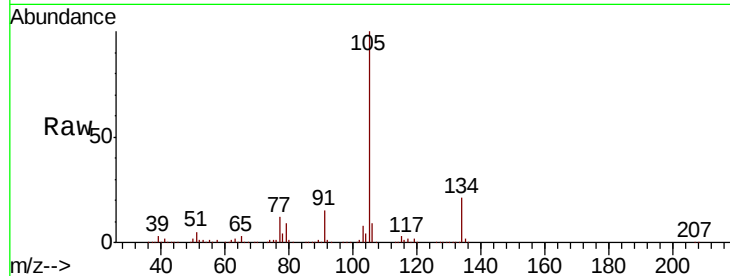
ClientSampled :

Tot Ion:105 Resp: 1866922

Ion Ratio Lower Upper

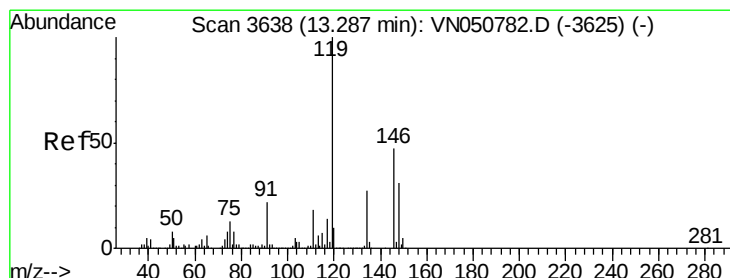
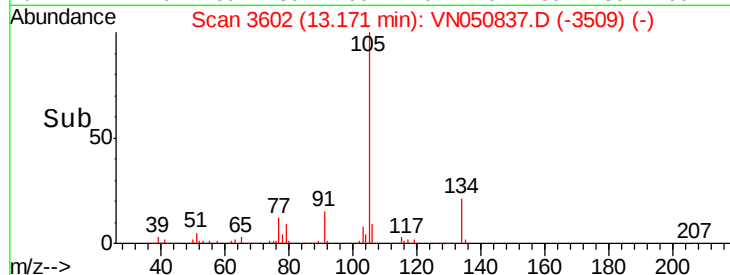
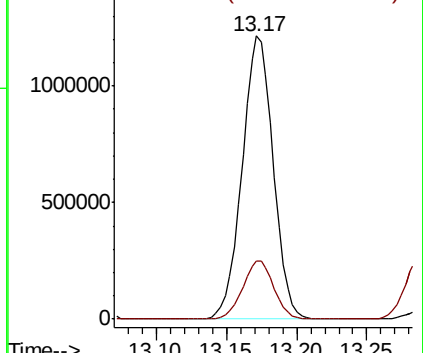
105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.74 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

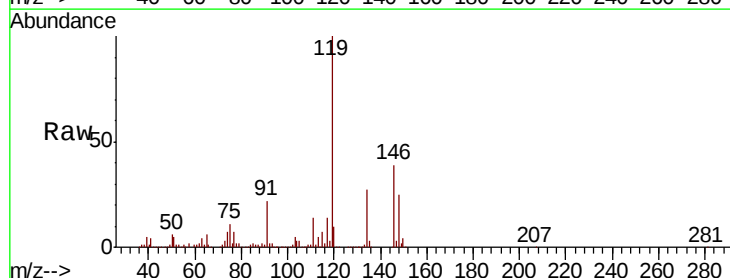
Tgt Ion:119 Resp: 1647852

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

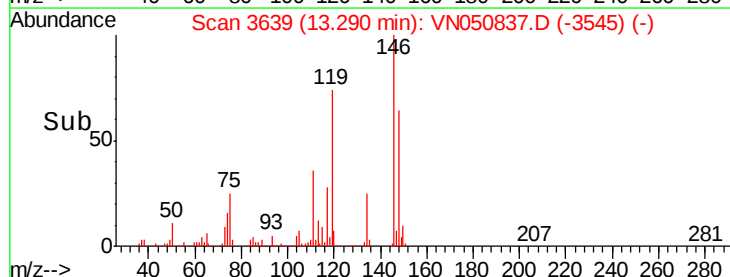
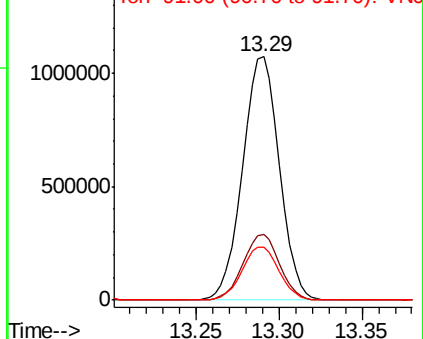
91 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.40 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

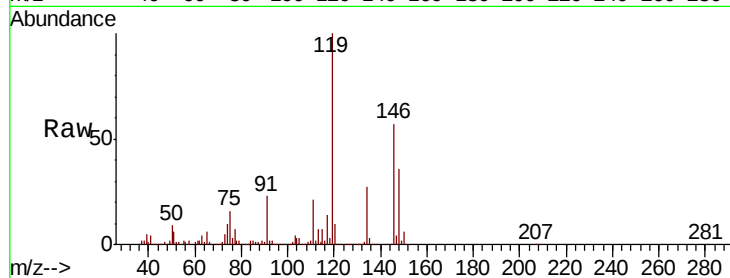
Tot Ion:146 Resp: 880745

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

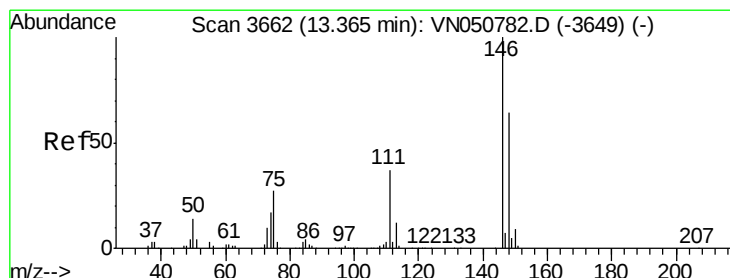
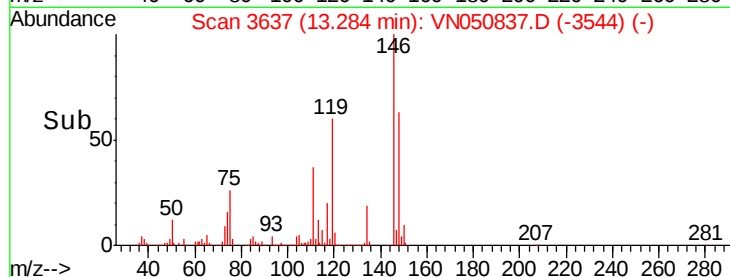
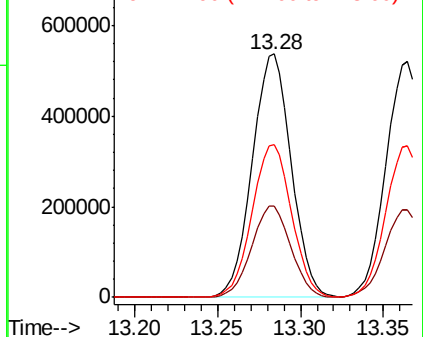
148 63.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.18 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

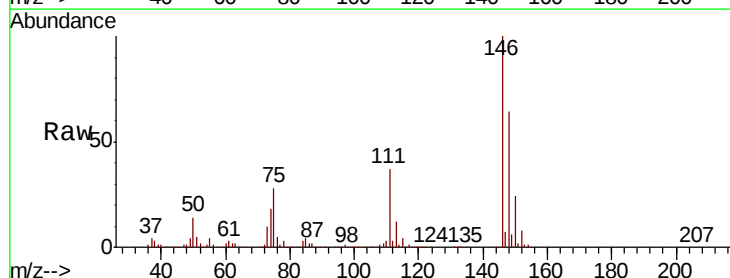
Tgt Ion:146 Resp: 845749

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.3

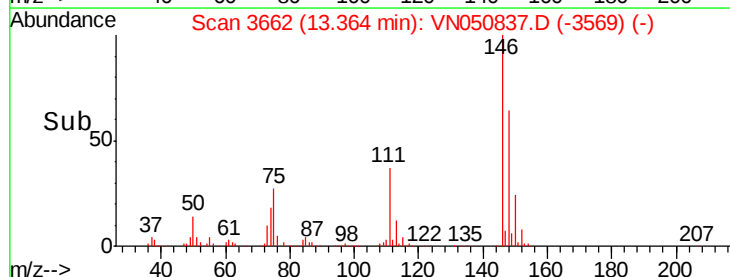
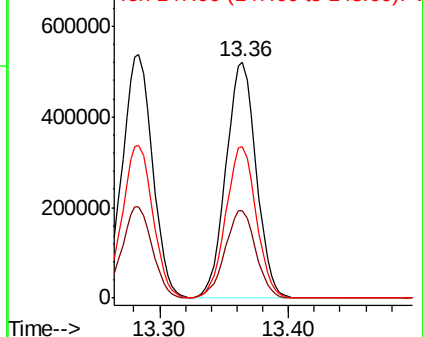
148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

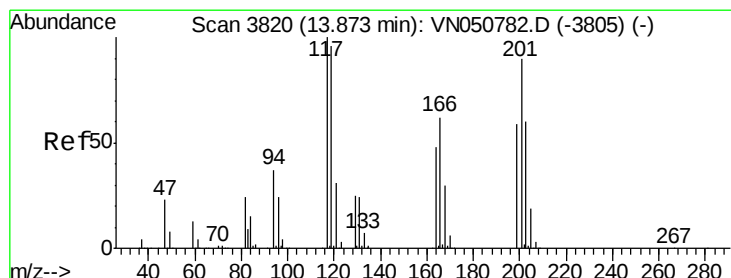
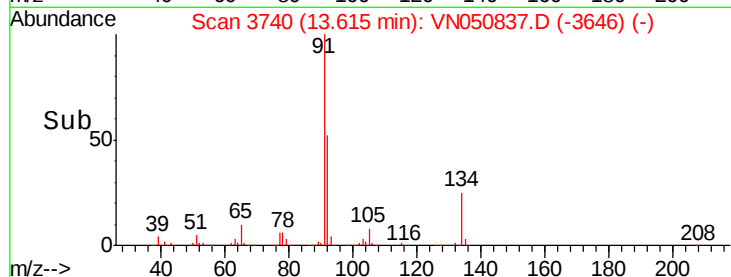
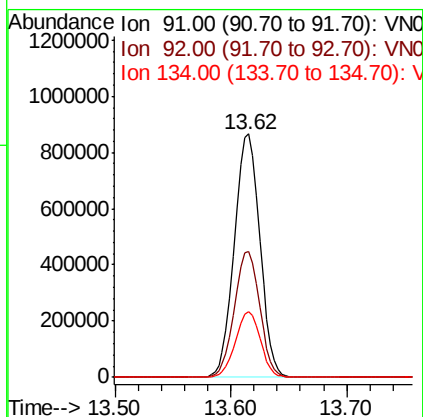
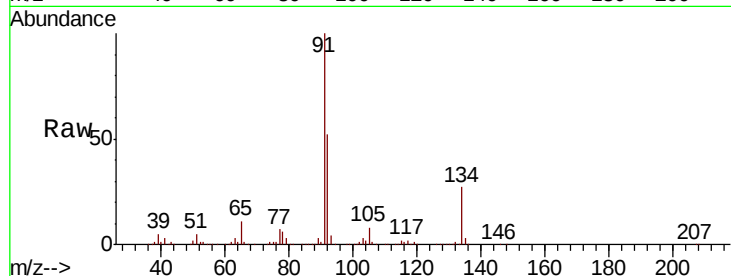




#89
n-Butylbenzene
Concen: 55.54 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

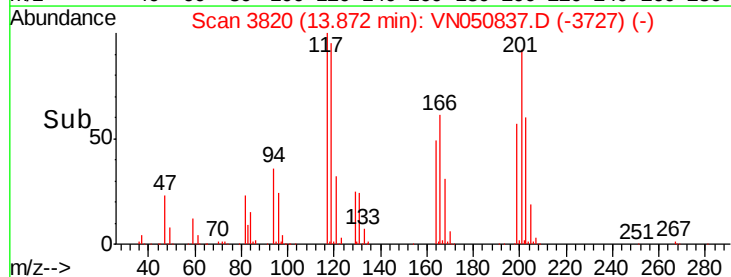
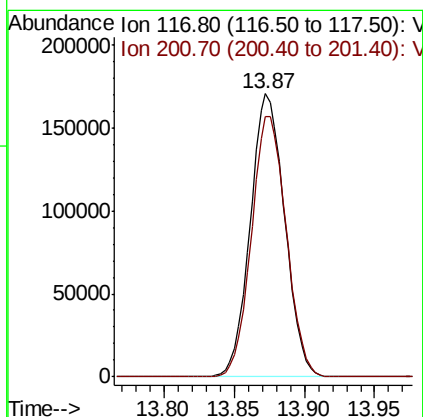
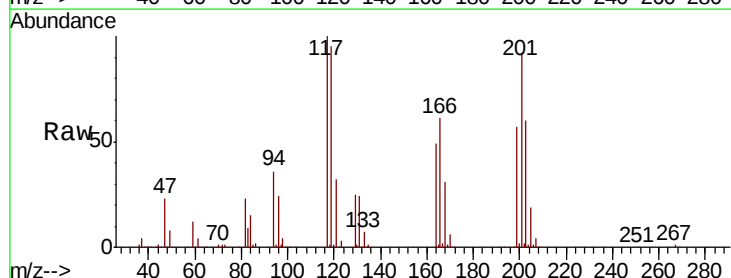
Instrument :
MSVOA_N
ClientSampled :

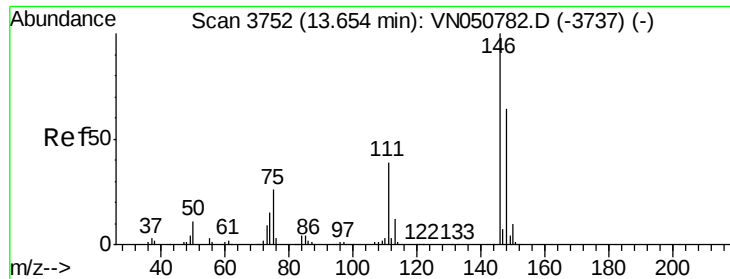
Tot Ion: 91 Resp: 1313286
Ion Ratio Lower Upper
91 100
92 51.4 26.1 78.2
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 51.67 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050837.D
Acq: 23 Aug 2018 8:31

Tgt Ion: 117 Resp: 291183
Ion Ratio Lower Upper
117 100
201 93.0 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 49.76 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

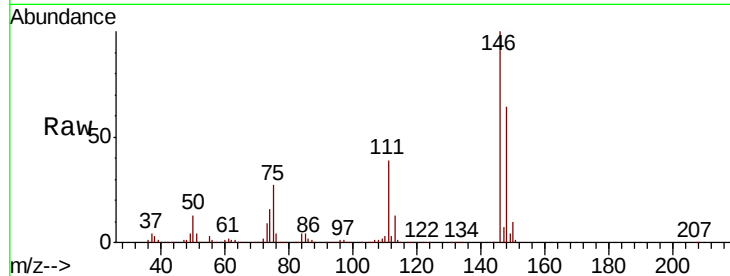
Tot Ion:146 Resp: 838875

Ion Ratio Lower Upper

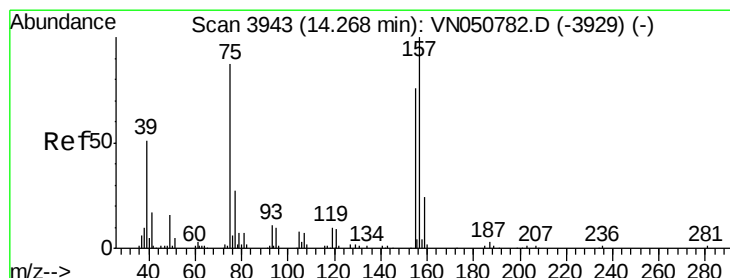
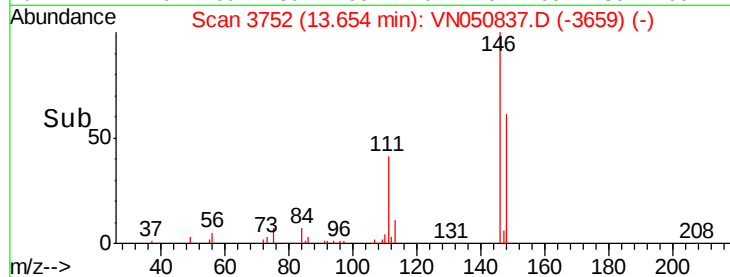
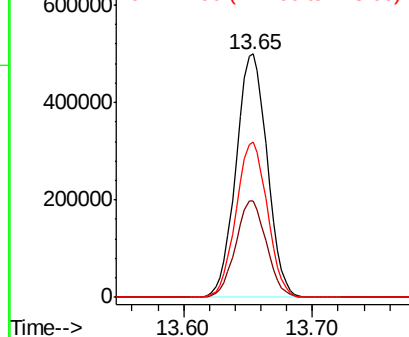
146 100

111 39.2 19.8 59.3

148 64.2 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.58 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

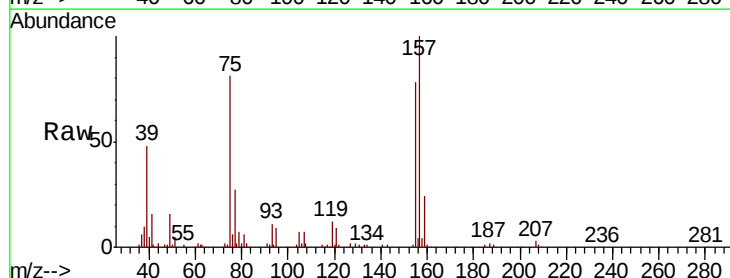
Tgt Ion: 75 Resp: 62026

Ion Ratio Lower Upper

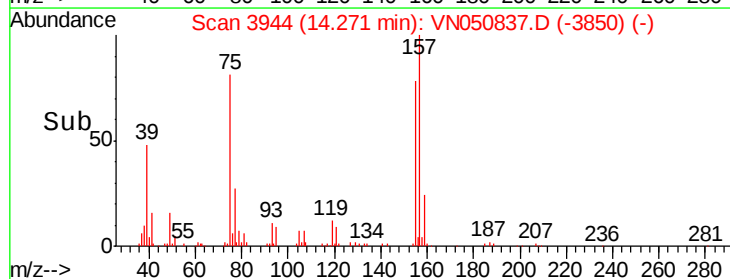
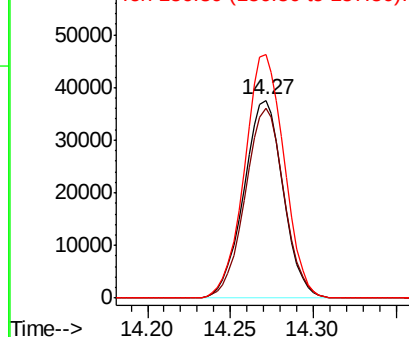
75 100

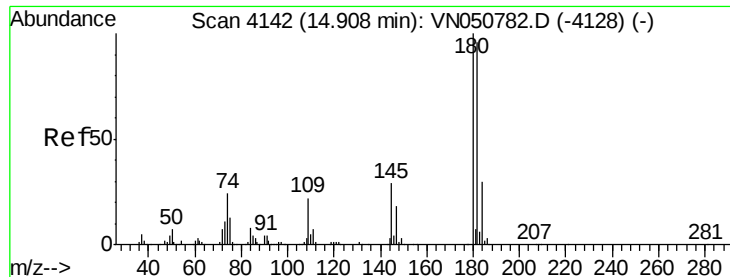
155 94.8 46.4 139.1

157 124.0 60.7 182.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

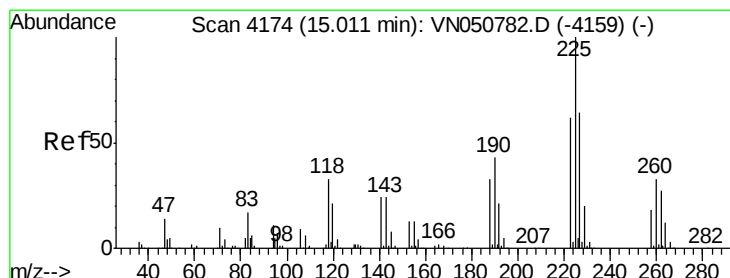
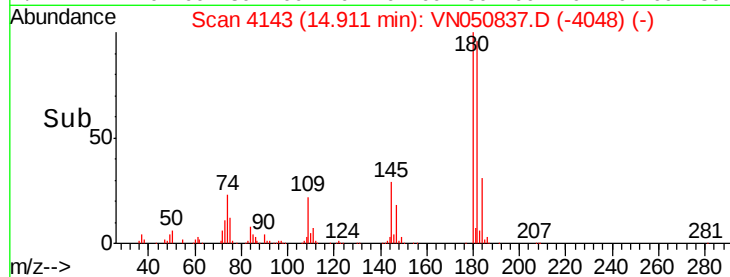
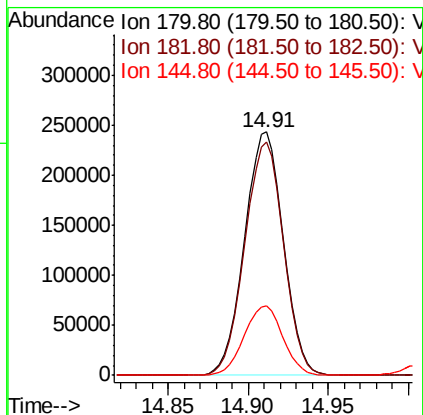
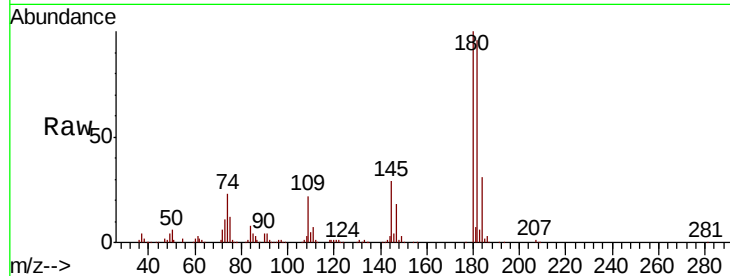




#93
 1,2,4-Trichlorobenzene
 Concen: 46.31 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

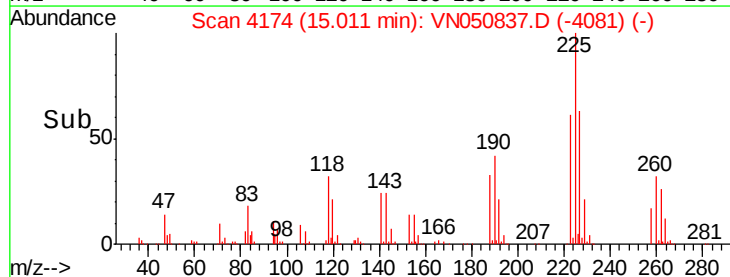
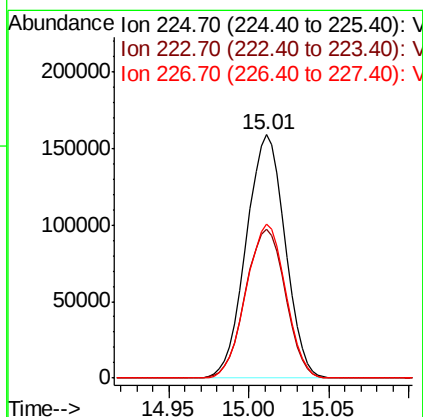
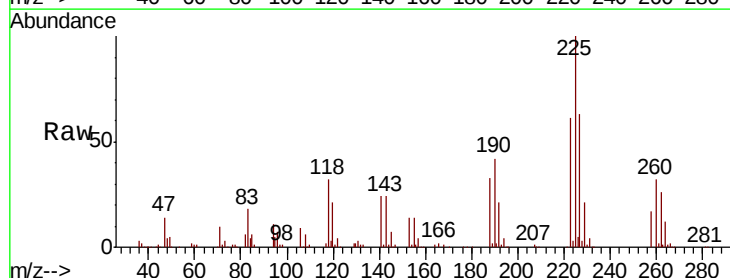
Instrument :
 MSVOA_N
 ClientSampleId :

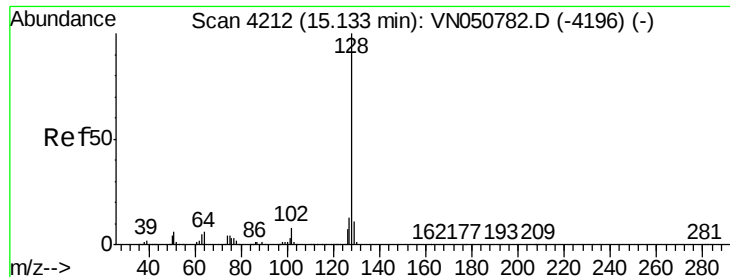
Tot Ion:180 Resp: 403306
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.2 144.6
 145 28.4 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 52.99 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050837.D
 Acq: 23 Aug 2018 8:31

Tgt Ion:225 Resp: 264512
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.3 93.8
 227 64.1 32.0 96.2





#95

Naphthalene

Concen: 43.24 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

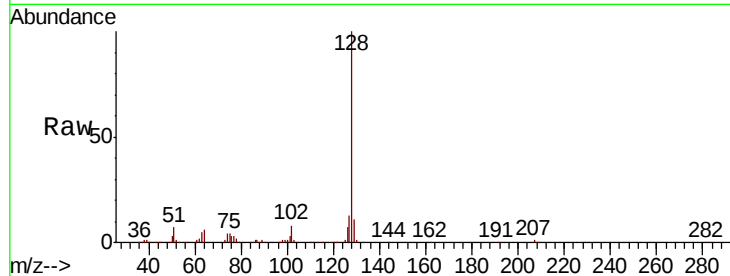
Tot Ion:128 Resp: 775539

Ion Ratio Lower Upper

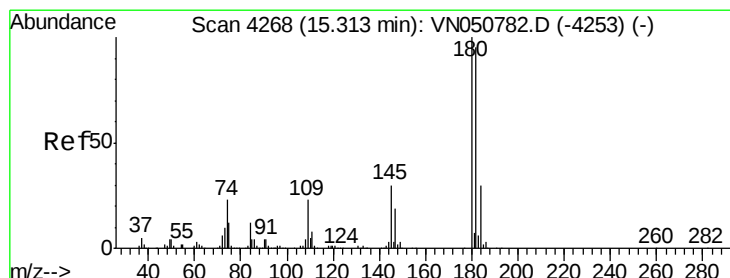
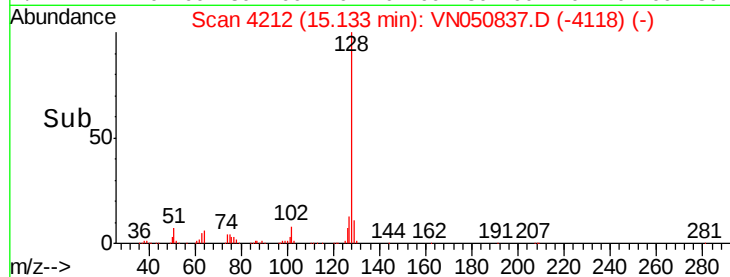
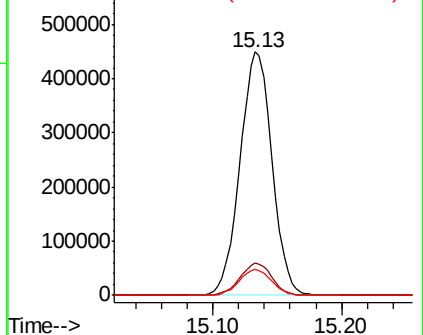
128 100

127 13.2 10.5 15.7

129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.41 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050837.D

Acq: 23 Aug 2018 8:31

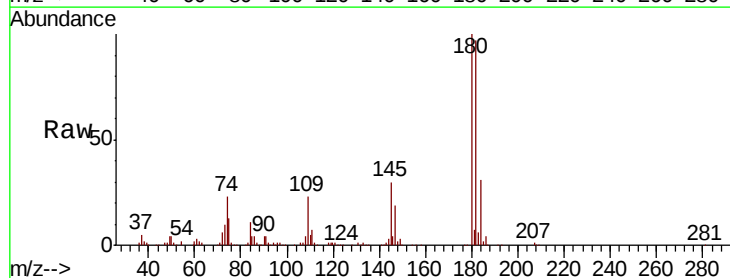
Tgt Ion:180 Resp: 388272

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.2

145 30.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

