

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050765.D
 Acq On : 20 Aug 2018 11:19
 Operator : MD\SY
 Sample : VN0820WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Quant Time: Aug 21 02:36:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	634872	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	560644	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	230271	29.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.80%
60) 4-Bromofluorobenzene	12.40	95	253642	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	10.09	98	808530	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	119168	14.82	ug/l	96
3) Chloromethane	2.06	50	158684	19.14	ug/l	100
4) Vinyl Chloride	2.18	62	158838	18.00	ug/l	97
5) Bromomethane	2.57	94	90152	16.76	ug/l	94
6) Chloroethane	2.70	64	99089	18.98	ug/l	98
7) Trichlorofluoromethane	3.01	101	212985	18.47	ug/l	99
8) Diethyl Ether	3.41	74	70238	18.16	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135188	19.27	ug/l	98
10) 1,1-Dichloroethene	3.74	96	118805	19.10	ug/l	97
11) Methyl Iodide	3.95	142	76811	8.39	ug/l	100
12) Methyl Acetate	4.33	43	110561	15.52	ug/l	99
13) Acrolein	3.61	56	29428	66.82	ug/l	98
14) Acrylonitrile	5.00	53	203477	85.58	ug/l	98
15) Acetone	3.82	58	65489	103.64	ug/l	87
16) Carbon Disulfide	4.05	76	353995	18.60	ug/l	99
17) Allyl chloride	4.33	41	183949	18.72	ug/l	95
18) Methylene Chloride	4.55	84	145562	20.28	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	129301	19.41	ug/l	97
20) Diisopropyl ether	5.95	45	410833	20.40	ug/l	98
21) 1,1-Dichloroethane	5.85	63	245035	19.35	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	145268	19.67	ug/l	98
23) tert-Butyl Alcohol	4.79	59	36528	68.75	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	305627	18.02	ug/l	98
25) Chloroform	7.37	83	252778	19.71	ug/l	99
26) Cyclohexane	7.65	56	193986	19.27	ug/l	99
29) 1,1-Dichloropropene	7.79	75	182394	18.51	ug/l	100
30) 2-Butanone	6.84	43	289591	93.67	ug/l	# 94
31) 2,2-Dichloropropane	6.82	77	200472	18.41	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	208355	17.97	ug/l	99
33) Carbon Tetrachloride	7.77	117	186686	18.06	ug/l	100
34) Benzene	8.04	78	561637	18.77	ug/l	98
35) Methacrylonitrile	7.17	41	52369	14.88	ug/l	95
36) 1,2-Dichloroethane	8.12	62	170304	17.33	ug/l	100
37) Trichloroethene	8.83	130	146118	18.62	ug/l	97
38) Methylcyclohexane	9.08	83	187659	18.07	ug/l	100
39) 1,2-Dichloropropane	9.12	63	150938	19.15	ug/l	98
40) Dibromomethane	9.21	93	86070	17.67	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	186644	18.16	ug/l	100
42) Vinyl Acetate	5.90	43	1236440	84.98	ug/l	100
43) Ethyl Acetate	6.93	43	104745	16.22	ug/l #	90
44) Isopropyl Acetate	8.17	43	182075	15.22	ug/l	97
45) 1,4-Dioxane	9.20	88	24026	305.29	ug/l #	93
46) Methyl methacrylate	9.20	41	86712	14.96	ug/l	95
47) n-amyl Acetate	12.07	43	138593	14.89	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	175828	17.95	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	211121	18.34	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	125388	17.93	ug/l	98
51) Ethyl methacrylate	10.43	69	135011	15.91	ug/l	99
52) 1,3-Dichloropropane	10.71	76	205693	17.91	ug/l	99
53) Dibromochloromethane	10.90	129	140053	17.65	ug/l	99
54) 1,2-Dibromoethane	11.01	107	119525	17.45	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	343637	89.46	ug/l	99
56) Bromoform	12.13	173	93956	16.77	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	635926	97.48	ug/l	98
59) 2-Hexanone	10.75	43	410444	92.22	ug/l	99
61) Tetrachloroethene	10.63	164	134531	17.72	ug/l	97
62) Toluene	10.16	91	607786	19.00	ug/l	100
64) Chlorobenzene	11.43	112	370685	19.11	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	141348	18.68	ug/l	99
66) Ethyl Benzene	11.51	91	602244	18.42	ug/l	100
67) m/p-Xylenes	11.62	106	481261	38.26	ug/l	99
68) o-Xylene	11.95	106	228094	19.06	ug/l	98
69) Styrene	11.96	104	365092	19.03	ug/l	100
70) Isopropylbenzene	12.25	105	599000	18.79	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	152986	17.48	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	173413	23.20	ug/l	59
73) Bromobenzene	12.53	156	154784	18.23	ug/l	99
74) n-propylbenzene	12.59	91	683535	18.41	ug/l	100
75) 2-Chlorotoluene	12.67	91	419606	18.82	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	498098	19.02	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	33890	13.87	ug/l	90
78) 4-Chlorotoluene	12.77	91	412077	18.65	ug/l	99
79) tert-butylbenzene	12.99	119	418956	18.72	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	506945	19.11	ug/l	99
81) sec-Butylbenzene	13.17	105	568320	18.69	ug/l	100
82) p-Isopropyltoluene	13.29	119	485195	18.70	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	263430	17.82	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	246857	17.67	ug/l	99
85) n-Butylbenzene	13.62	91	359319	17.06	ug/l	98
86) Hexachloroethane	13.87	117	91253	17.60	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	258956	17.92	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18747	13.75	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	97913	14.18	ug/l	99
90) Hexachlorobutadiene	15.01	225	84512	18.57	ug/l	99
91) Naphthalene	15.13	128	175700	15.76	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	98979	14.10	ug/l	98

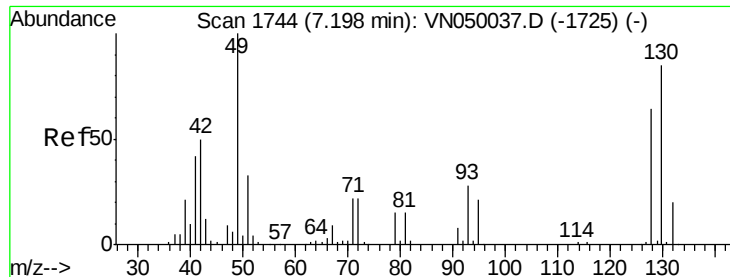
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

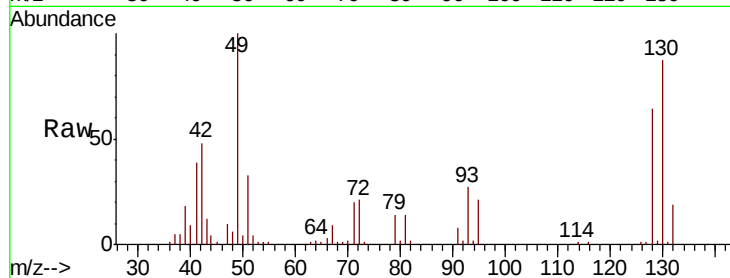
Tot Ion:128 Resp: 116673

Ion Ratio Lower Upper

128 100

49 157.0 0.0 378.3

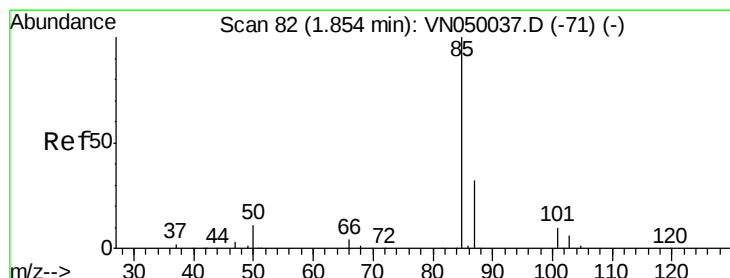
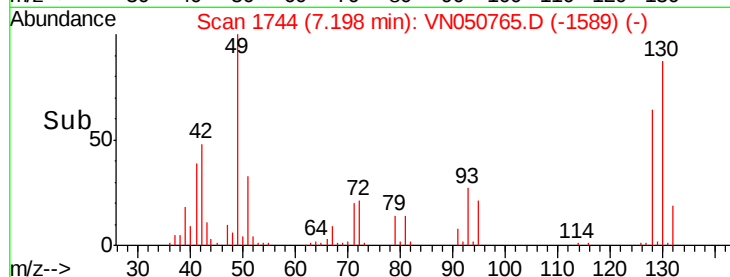
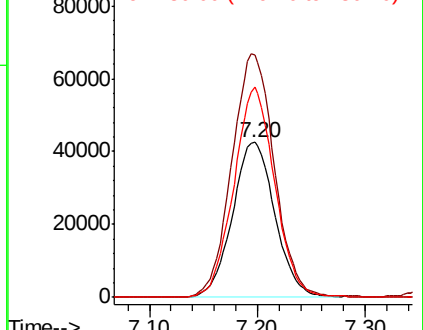
130 130.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 14.82 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050765.D

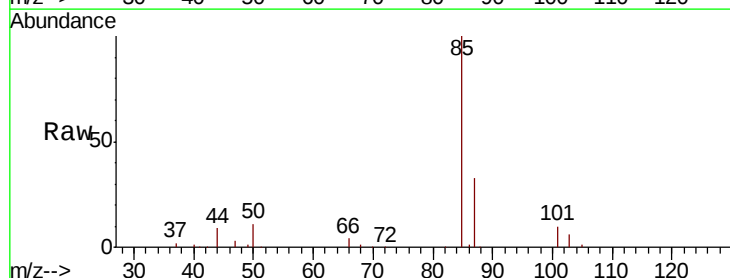
Acq: 20 Aug 2018 11:19

Tgt Ion: 85 Resp: 119168

Ion Ratio Lower Upper

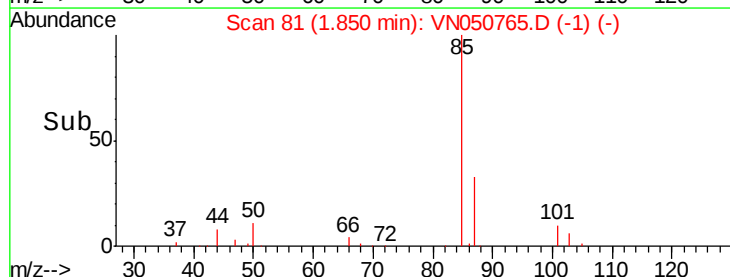
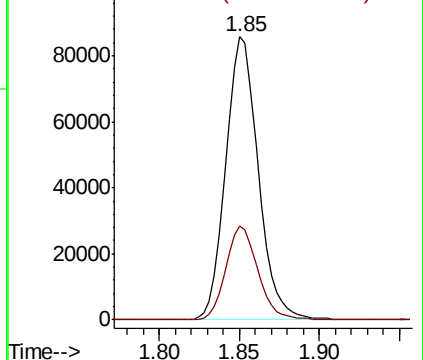
85 100

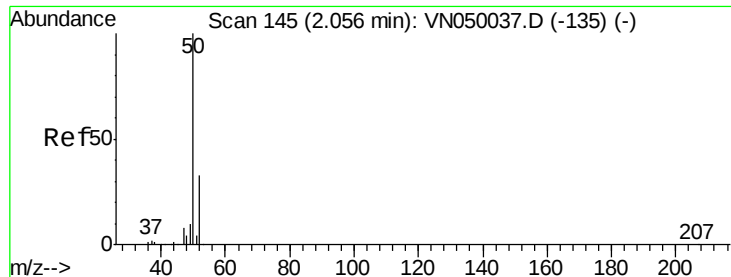
87 33.0 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.14 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

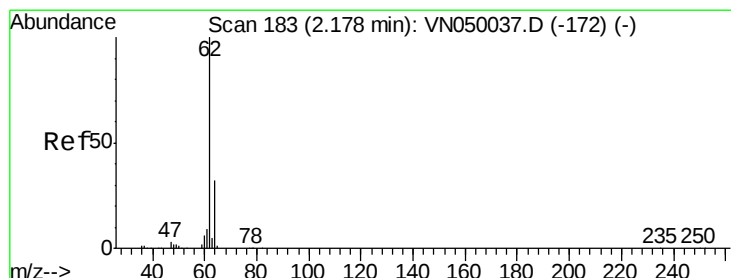
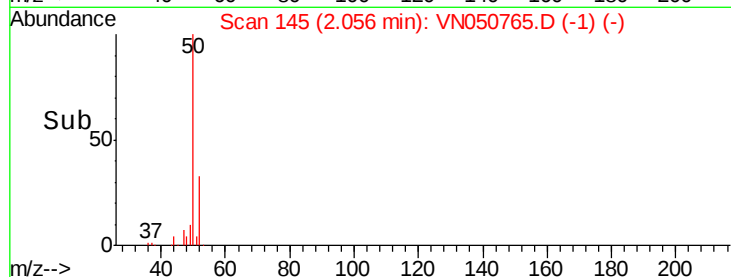
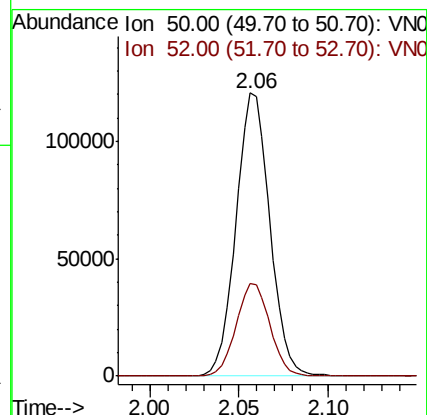
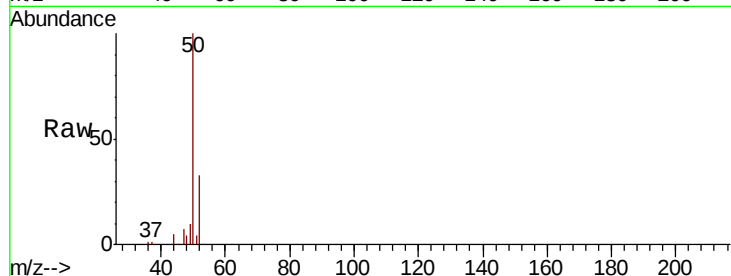
VN0820WBS01

Tot Ion: 50 Resp: 158684

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 18.00 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050765.D

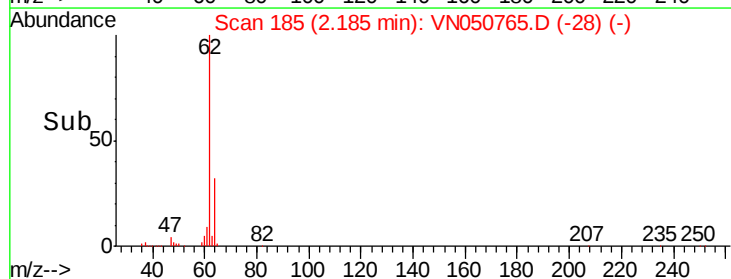
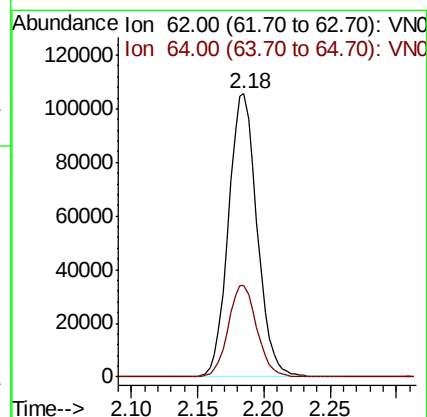
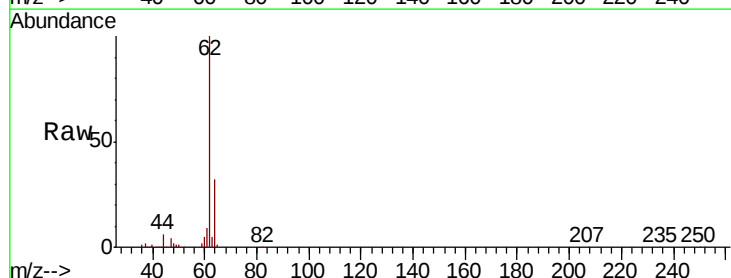
Acq: 20 Aug 2018 11:19

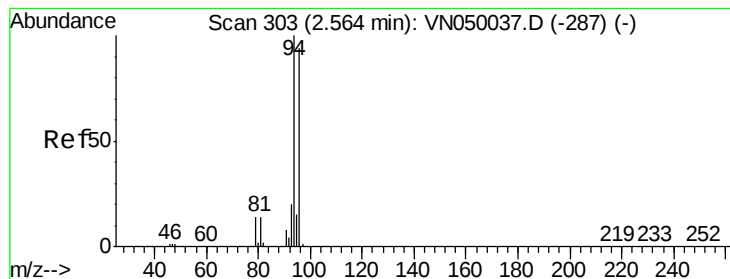
Tgt Ion: 62 Resp: 158838

Ion Ratio Lower Upper

62 100

64 32.2 24.4 36.6





#5

Bromomethane

Concen: 16.76 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

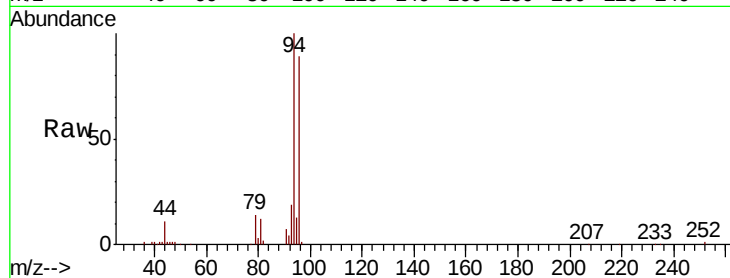
VN0820WBS01

Tot Ion: 94 Resp: 90152

Ion Ratio Lower Upper

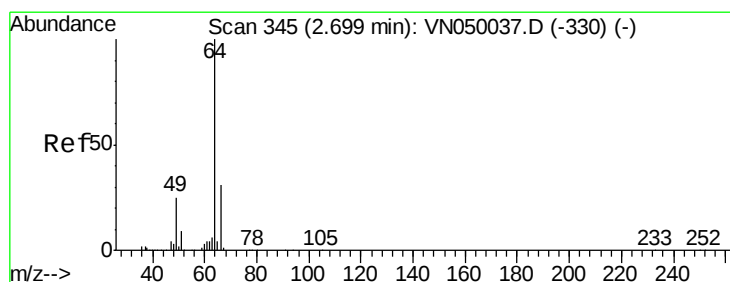
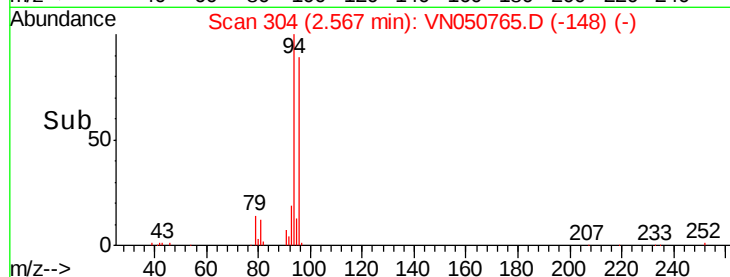
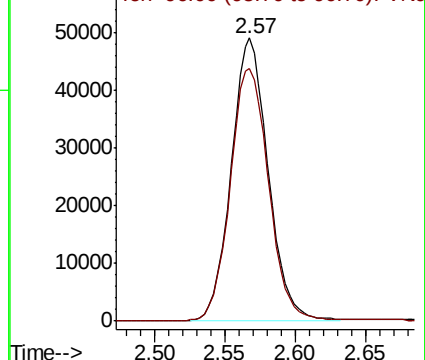
94 100

96 88.7 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.98 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050765.D

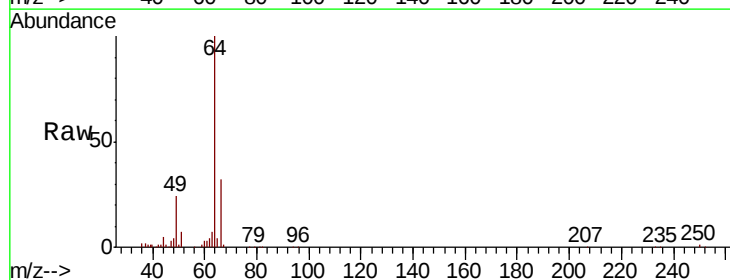
Acq: 20 Aug 2018 11:19

Tgt Ion: 64 Resp: 99089

Ion Ratio Lower Upper

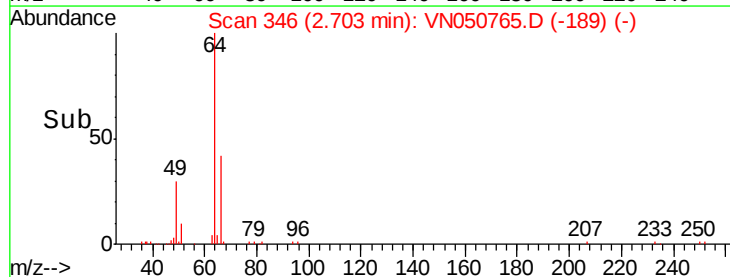
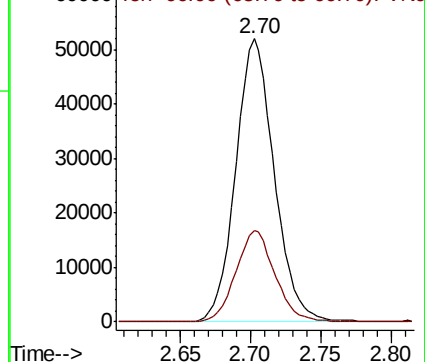
64 100

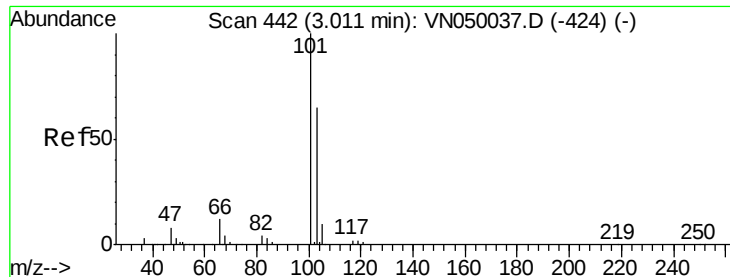
66 32.3 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 18.47 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

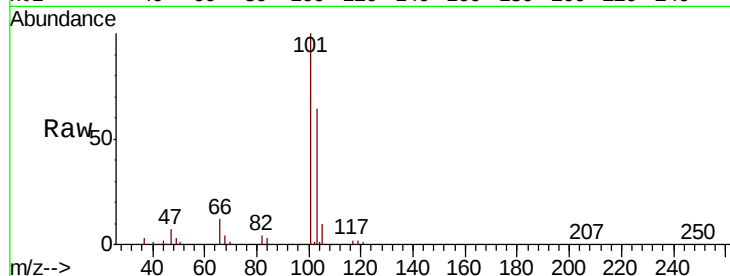
VN0820WBS01

Tot Ion:101 Resp: 212985

Ion Ratio Lower Upper

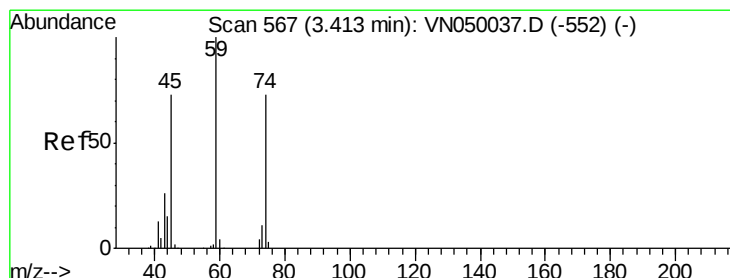
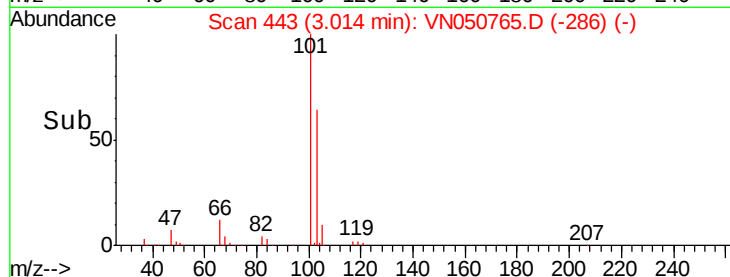
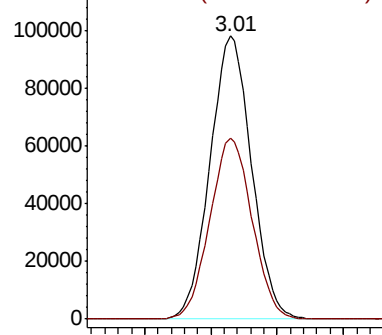
101 100

103 63.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.16 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050765.D

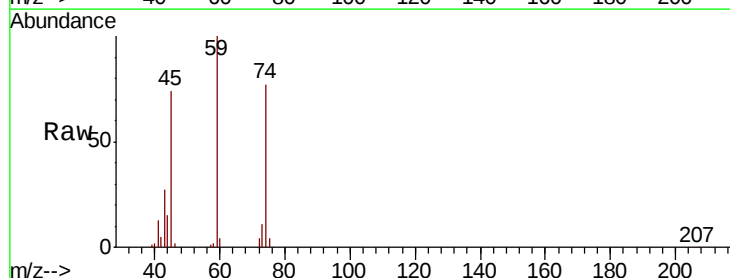
Acq: 20 Aug 2018 11:19

Tgt Ion: 74 Resp: 70238

Ion Ratio Lower Upper

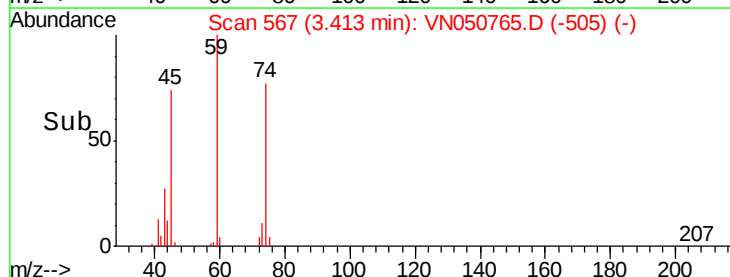
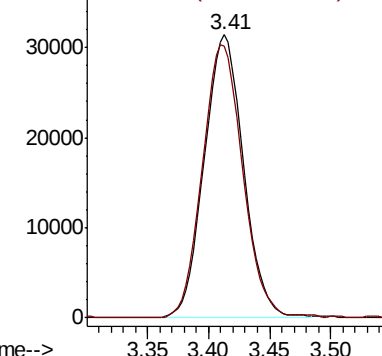
74 100

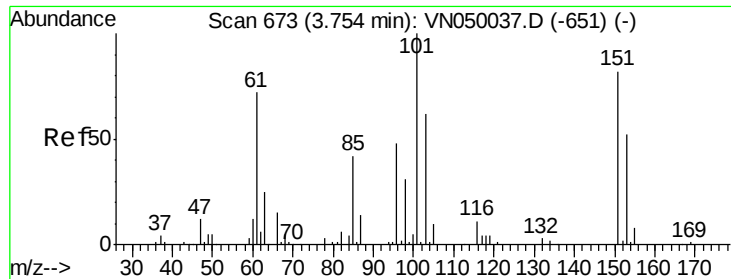
45 98.5 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

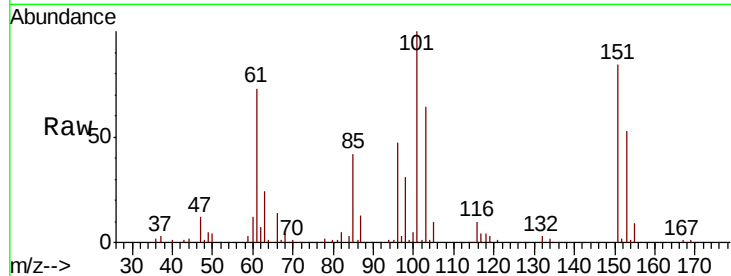




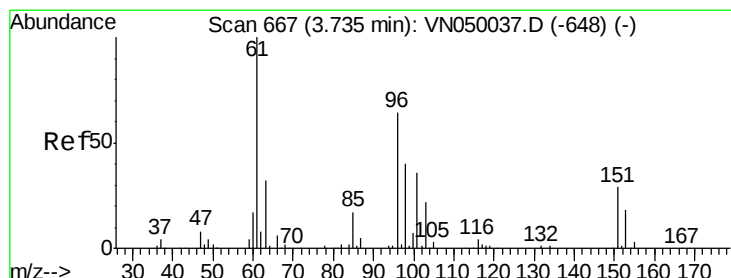
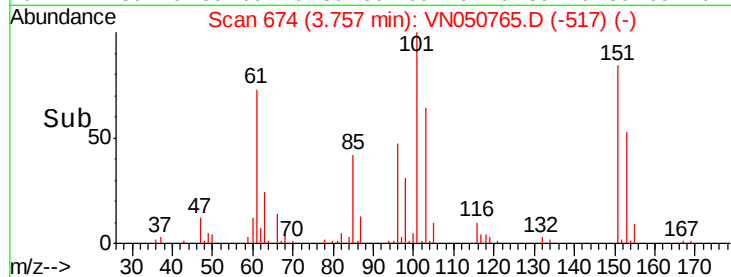
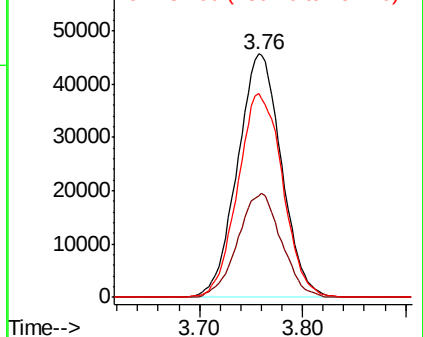
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.27 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
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 VN0820WBS01

Tot Ion:101 Resp: 135188
 Ion Ratio Lower Upper
 101 100
 85 42.4 0.0 83.0
 151 85.4 0.0 166.8

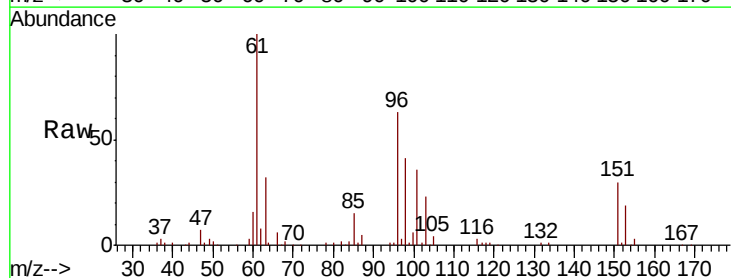


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

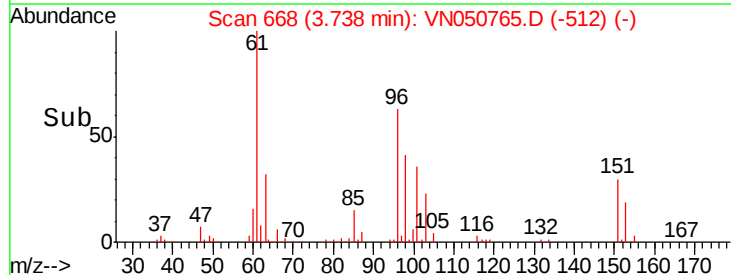
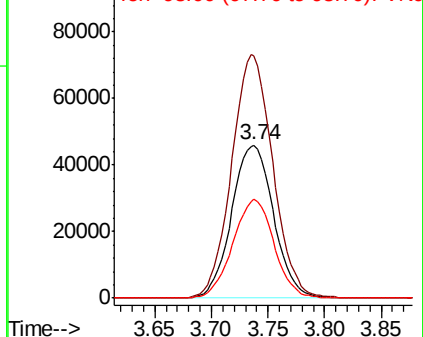


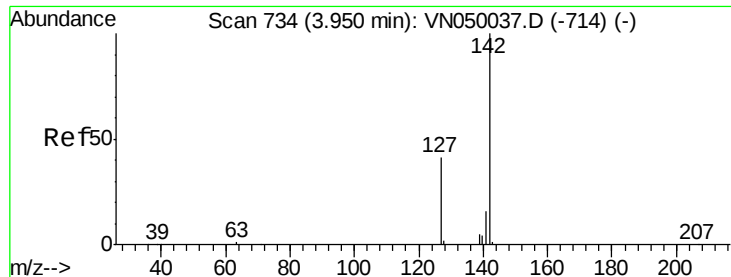
#10
 1,1-Dichloroethene
 Concen: 19.10 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion: 96 Resp: 118805
 Ion Ratio Lower Upper
 96 100
 61 158.2 130.6 195.8
 98 64.7 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

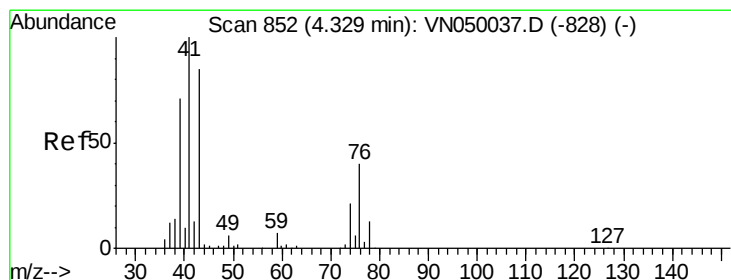
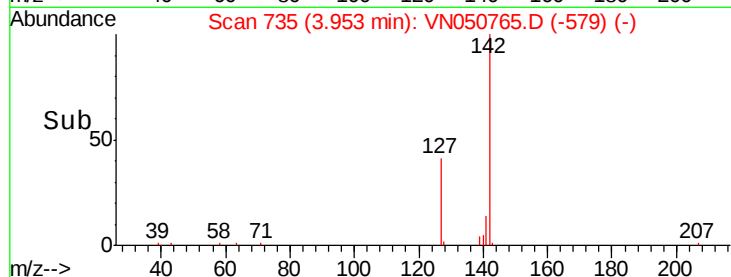
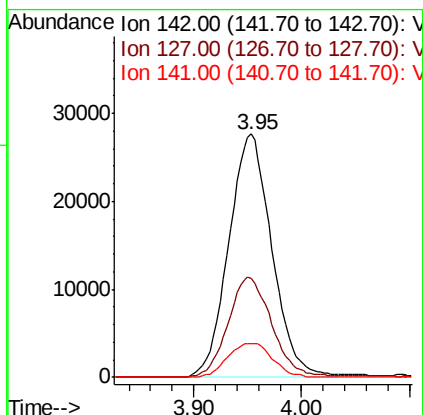
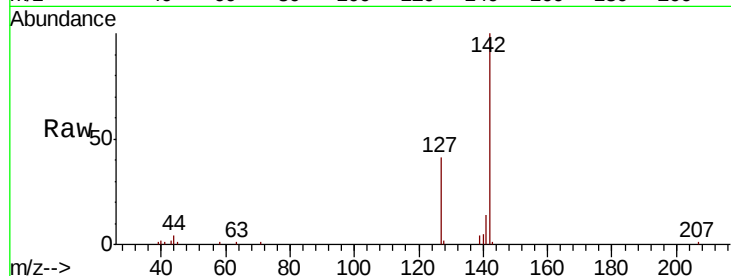




#11
Methvl Iodide
Concen: 8.39 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

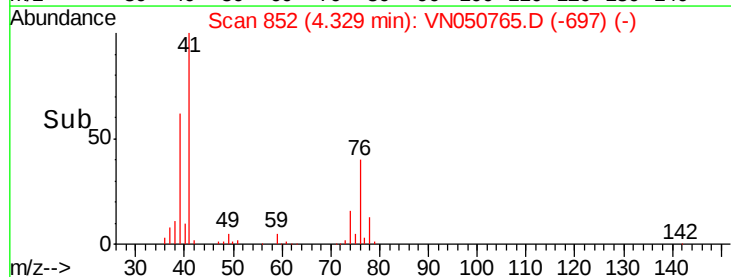
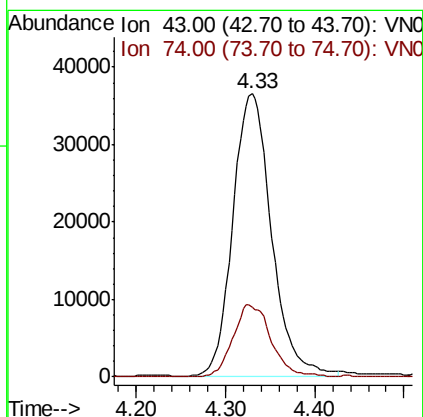
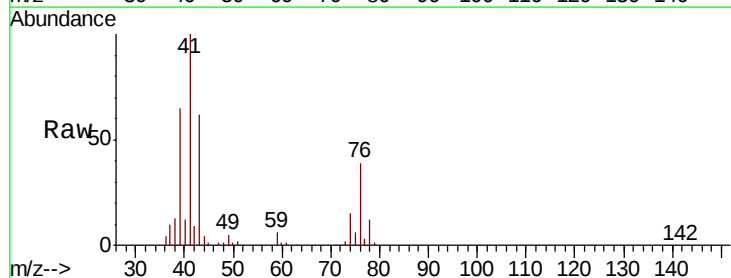
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

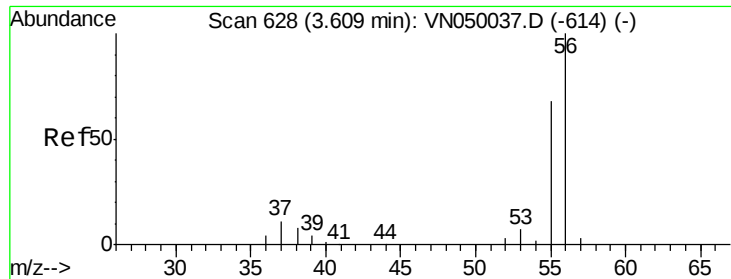
Tot Ion:142 Resp: 76811
Ion Ratio Lower Upper
142 100
127 40.4 20.2 60.5
141 13.7 6.9 20.6



#12
Methyl Acetate
Concen: 15.52 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 43 Resp: 110561
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9





#13

Acrolein

Concen: 66.82 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

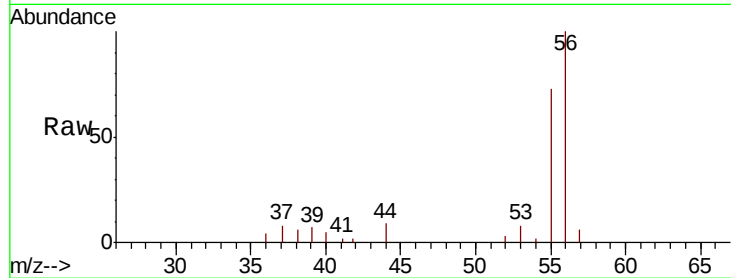
VN0820WBS01

Tot Ion: 56 Resp: 29428

Ion Ratio Lower Upper

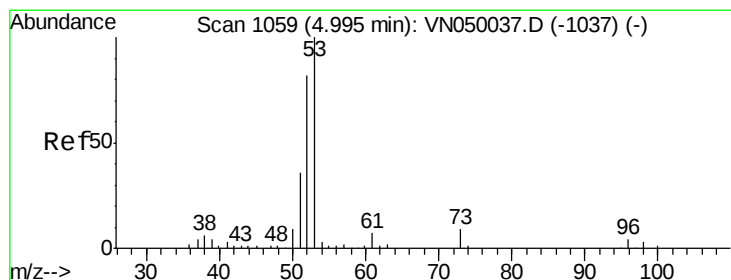
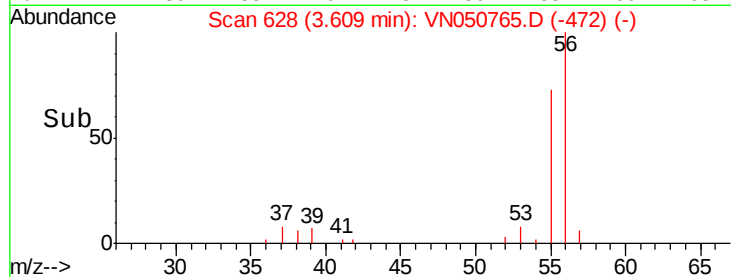
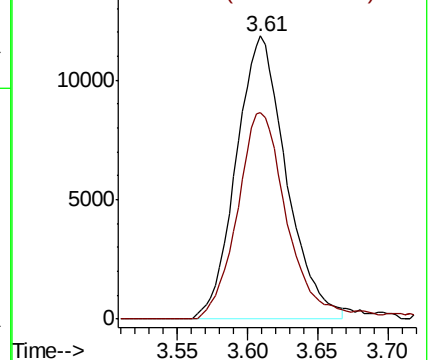
56 100

55 71.6 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 85.58 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

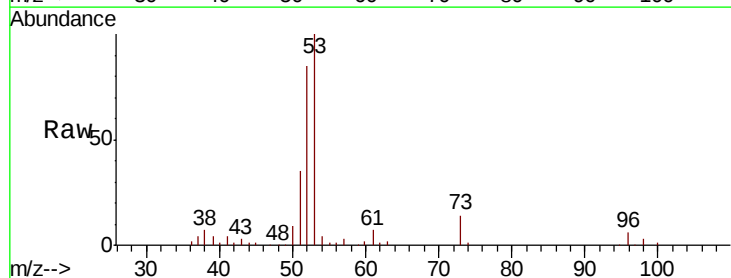
Tgt Ion: 53 Resp: 203477

Ion Ratio Lower Upper

53 100

52 81.9 41.5 124.5

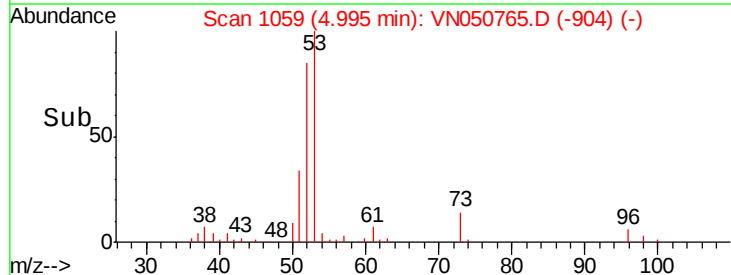
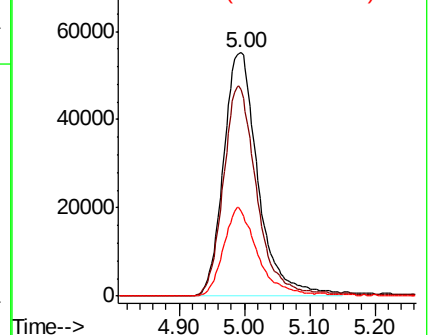
51 35.5 18.7 56.1

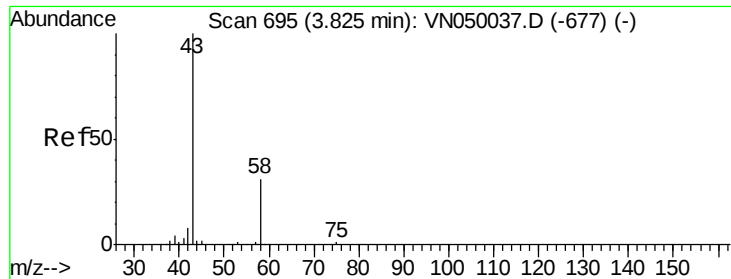


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 103.64 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

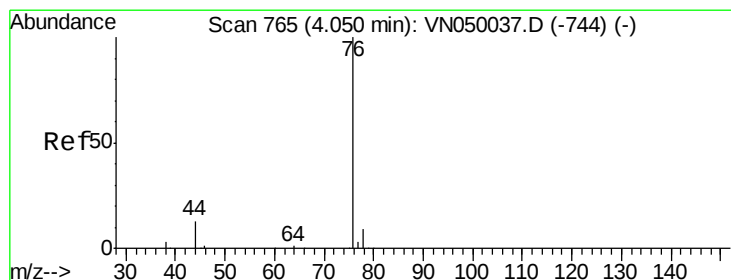
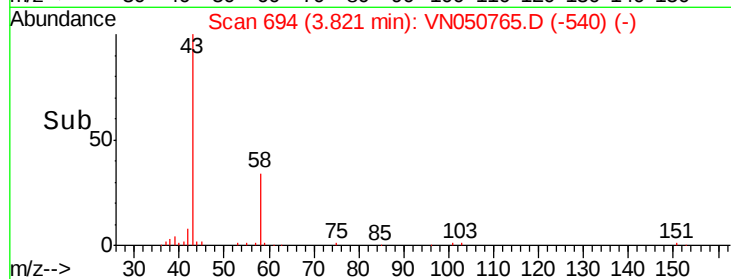
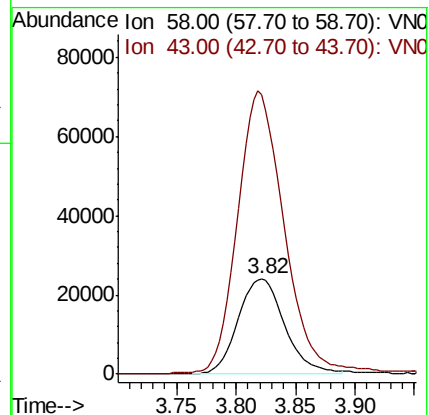
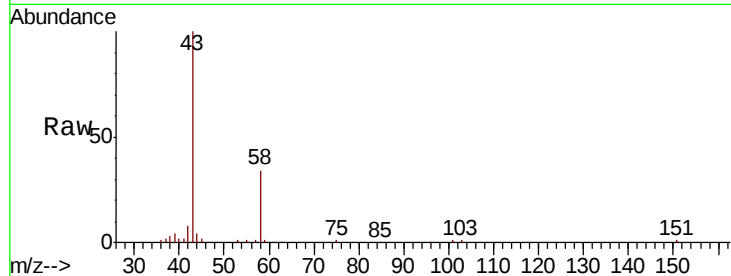
VN0820WBS01

Tot Ion: 58 Resp: 65489

Ion Ratio Lower Upper

58 100

43 289.3 252.0 378.0



#16

Carbon Disulfide

Concen: 18.60 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050765.D

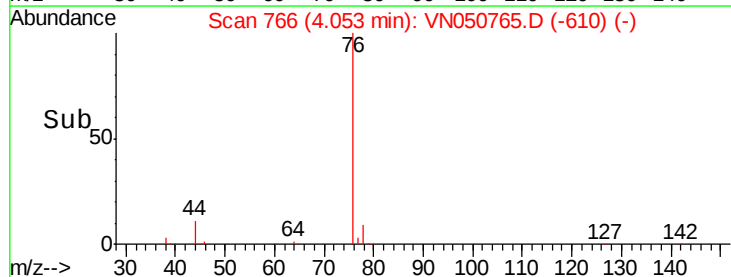
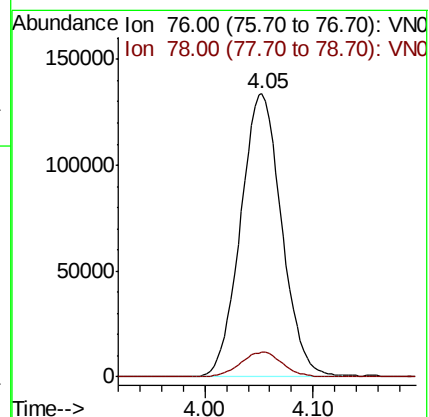
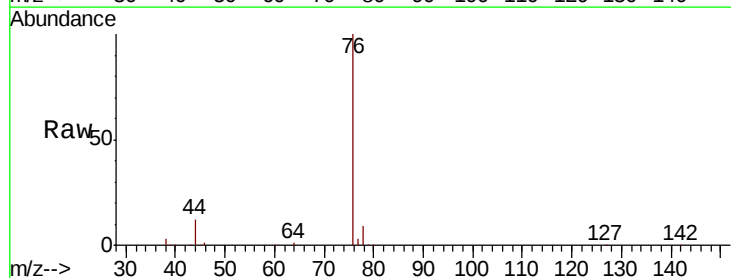
Acq: 20 Aug 2018 11:19

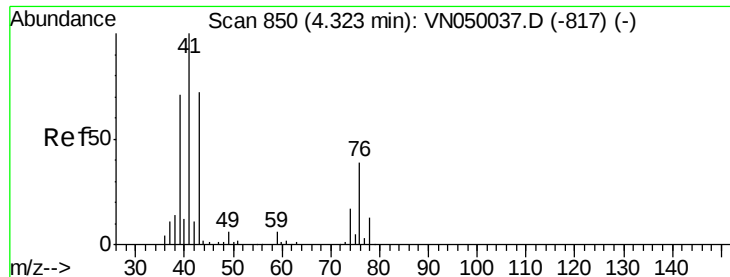
Tgt Ion: 76 Resp: 353995

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

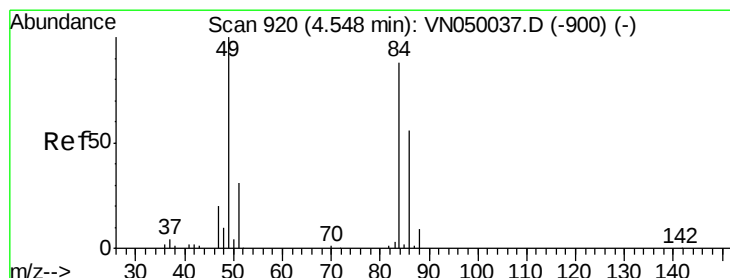
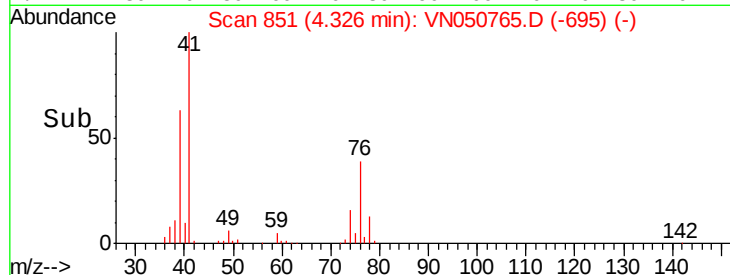
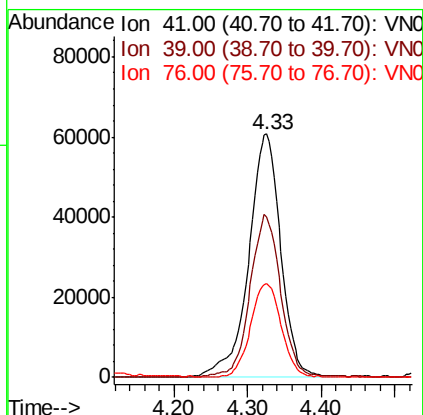
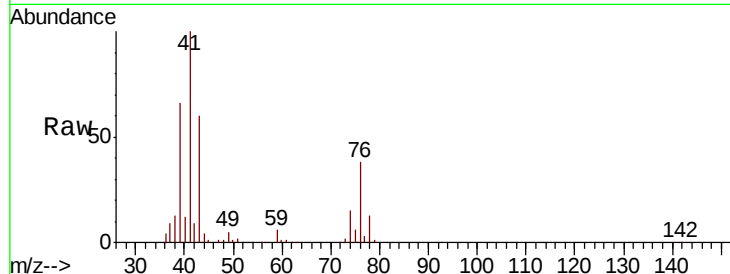




#17
Allvl chloride
Concen: 18.72 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

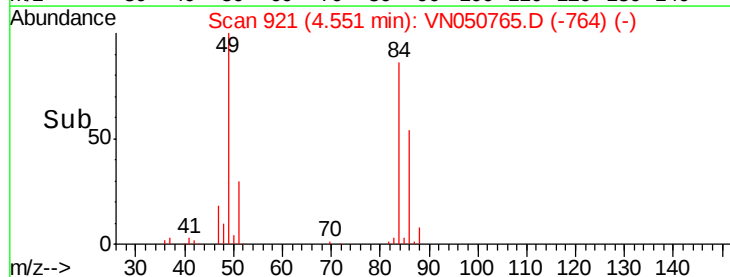
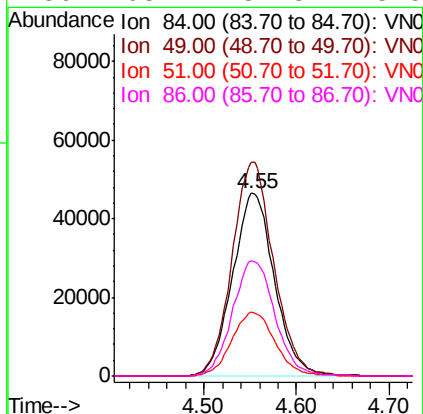
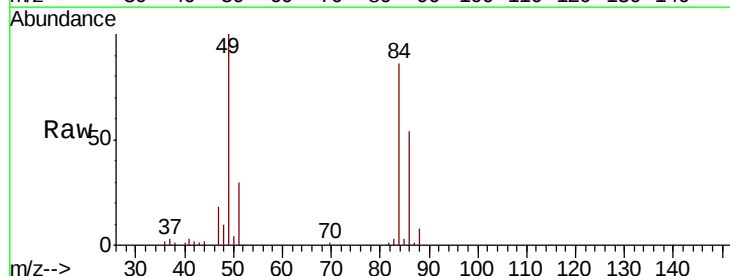
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

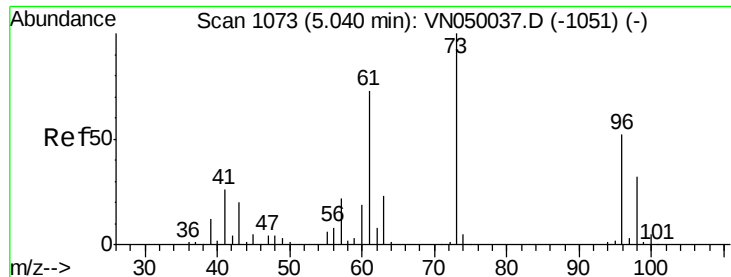
Tot Ion: 41 Resp: 183949
Ion Ratio Lower Upper
41 100
39 65.9 35.4 106.3
76 38.2 19.7 59.1



#18
Methylene Chloride
Concen: 20.28 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 84 Resp: 145562
Ion Ratio Lower Upper
84 100
49 116.8 95.1 142.7
51 35.2 28.8 43.2
86 63.1 52.3 78.5

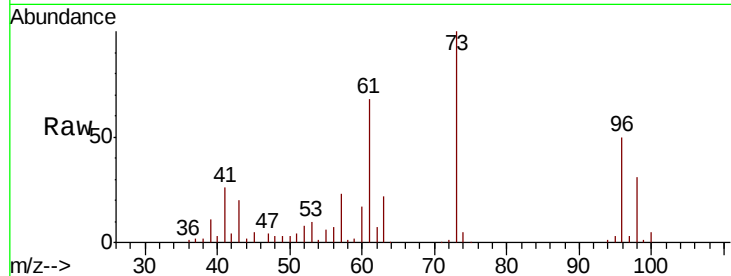




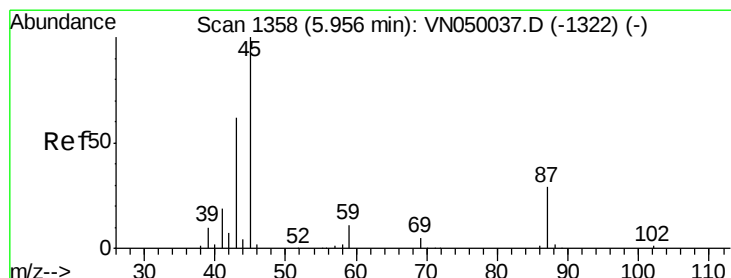
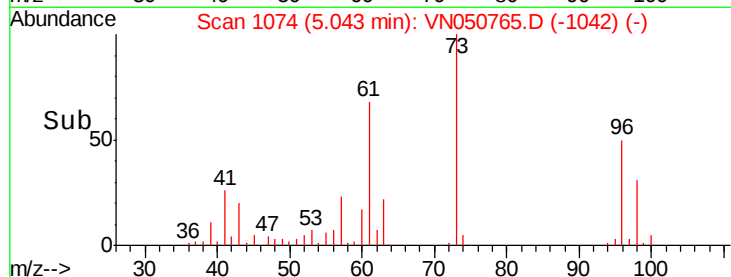
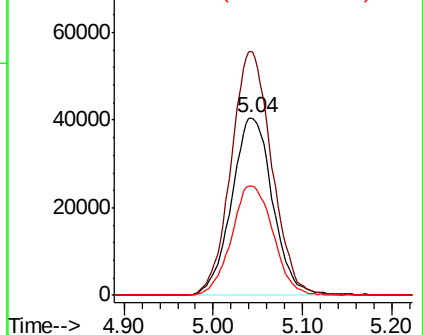
#19
trans-1,2-Dichloroethene
Concen: 19.41 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion: 96 Resp: 129301
Ion Ratio Lower Upper
96 100
61 137.2 112.1 168.1
98 61.8 51.3 76.9

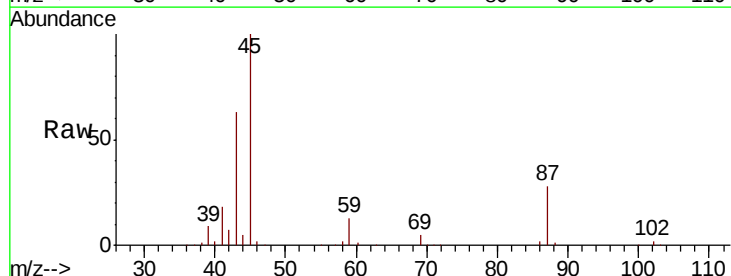


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

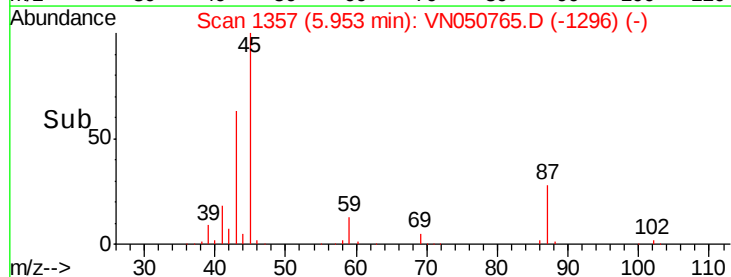
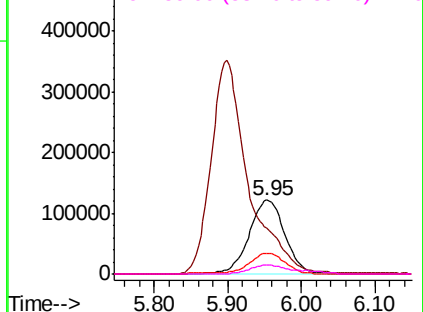


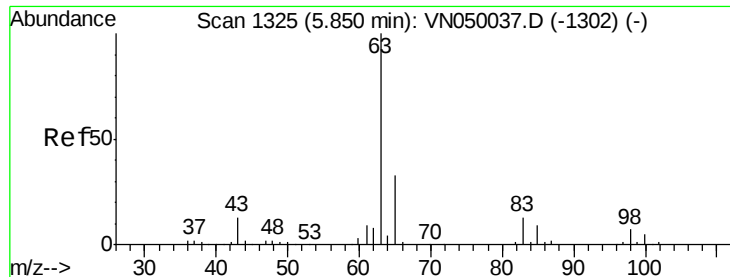
#20
Diisopropyl ether
Concen: 20.40 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 45 Resp: 410833
Ion Ratio Lower Upper
45 100
43 61.0 46.6 70.0
87 28.0 22.3 33.5
59 12.3 9.5 14.3



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

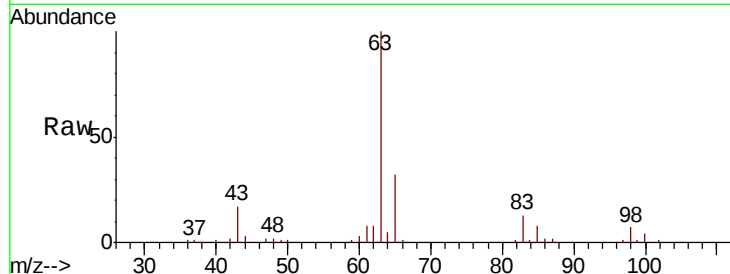




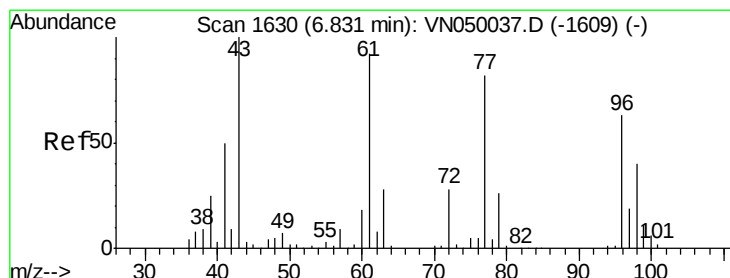
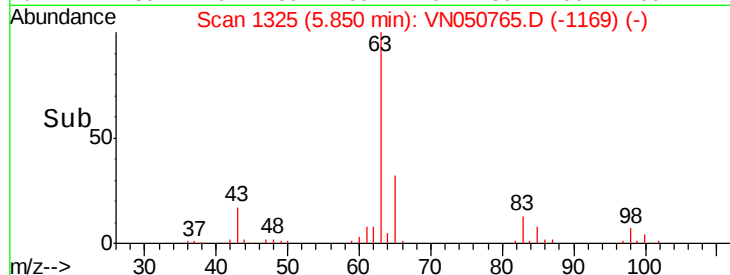
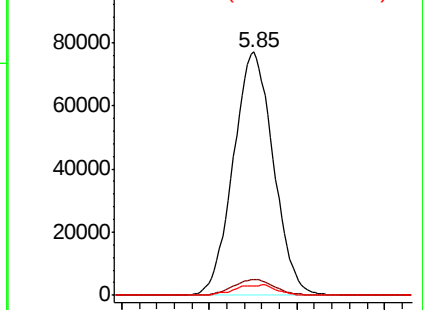
#21
 1,1-Dichloroethane
 Concen: 19.35 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion: 63 Resp: 245035
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.6
 100 4.0 2.3 6.8

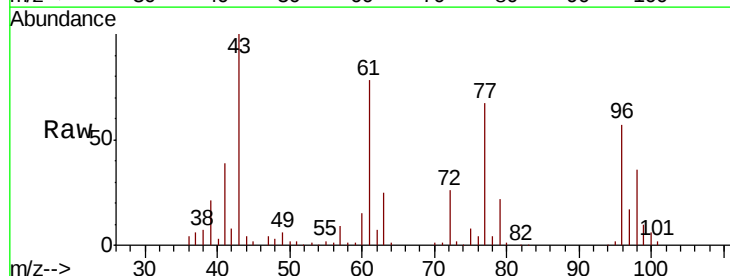


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

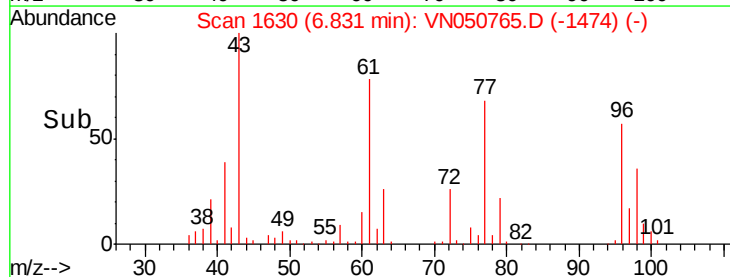
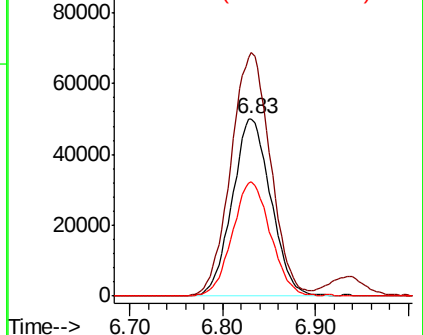


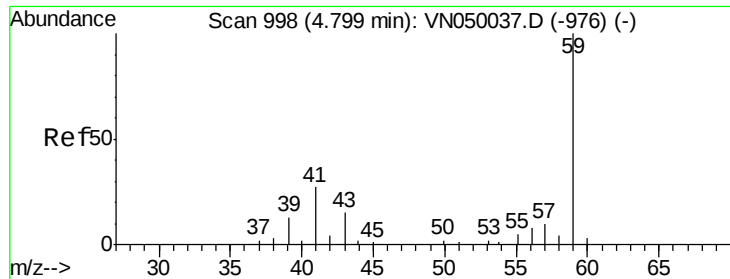
#22
 cis-1,2-Dichloroethene
 Concen: 19.67 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion: 96 Resp: 145268
 Ion Ratio Lower Upper
 96 100
 61 140.4 114.2 171.2
 98 63.7 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



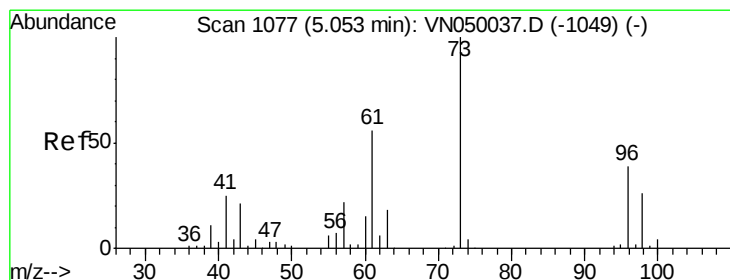
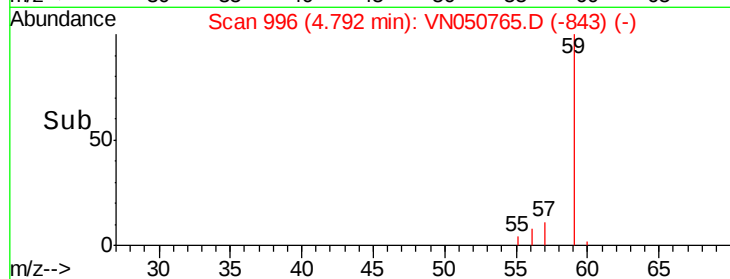
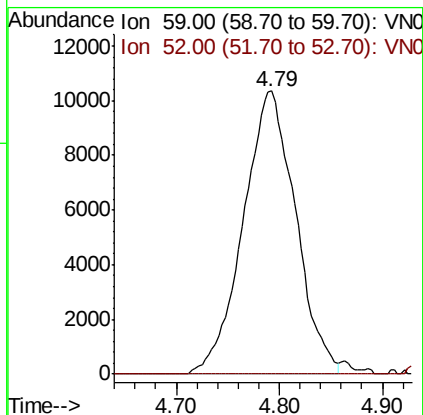
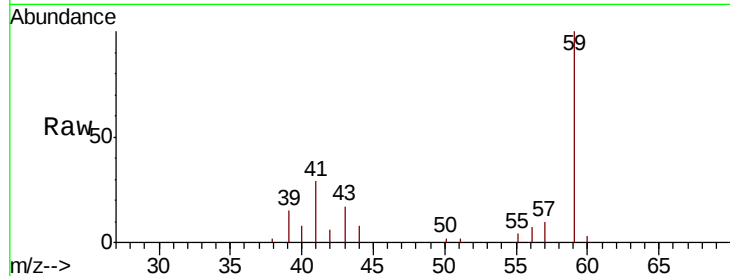


#23

tert-Butyl Alcohol
 Concen: 68.75 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

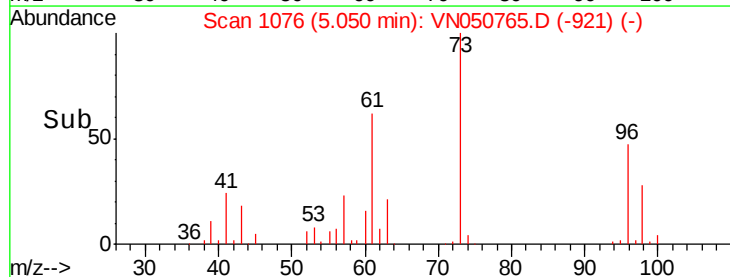
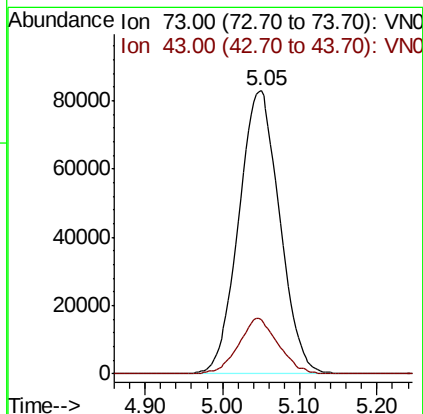
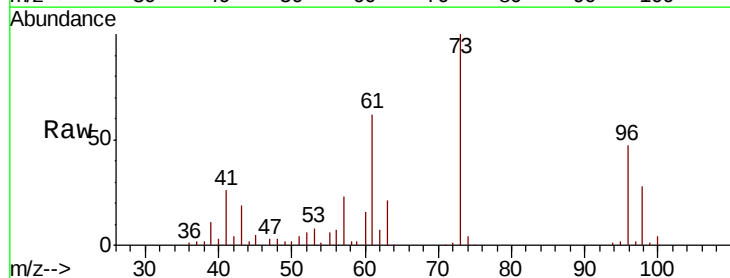
Tot Ion: 59 Resp: 36528
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

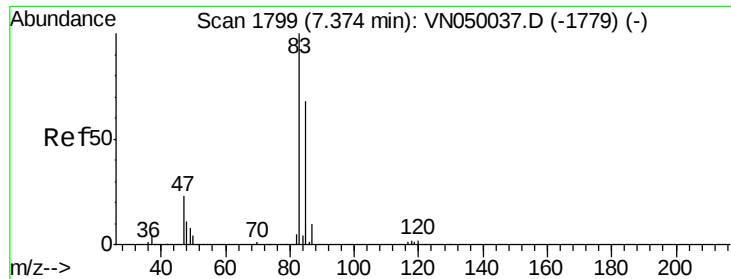


#24

Methyl tert-Butyl Ether
 Concen: 18.02 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion: 73 Resp: 305627
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.5 23.3





#25

Chloroform

Concen: 19.71 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

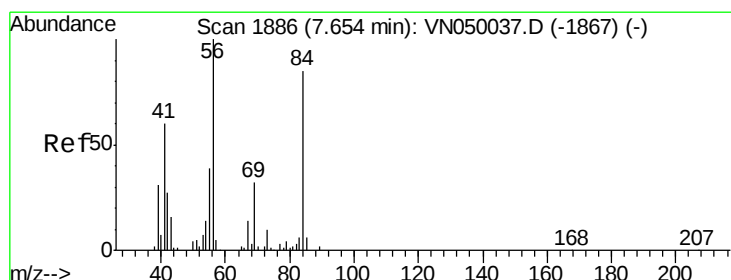
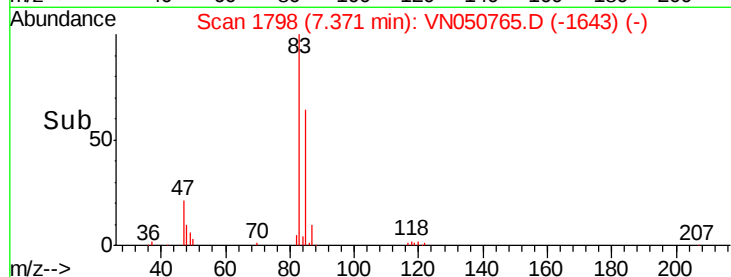
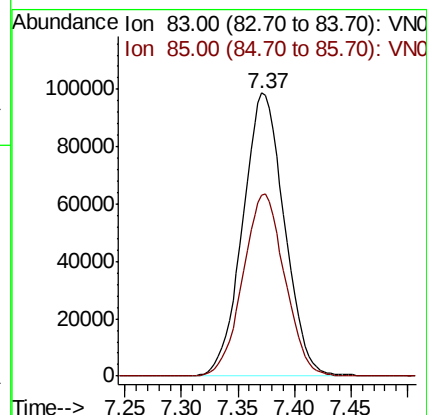
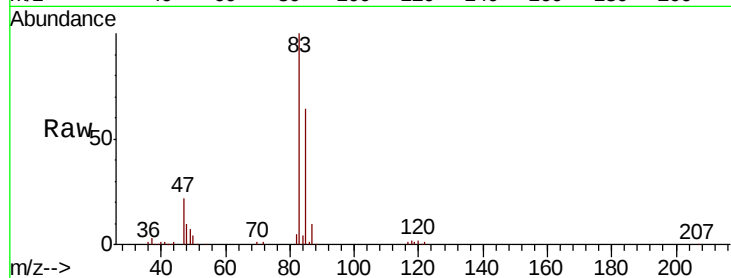
VN0820WBS01

Tot Ion: 83 Resp: 252778

Ion Ratio Lower Upper

83 100

85 64.0 52.1 78.1



#26

Cyclohexane

Concen: 19.27 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

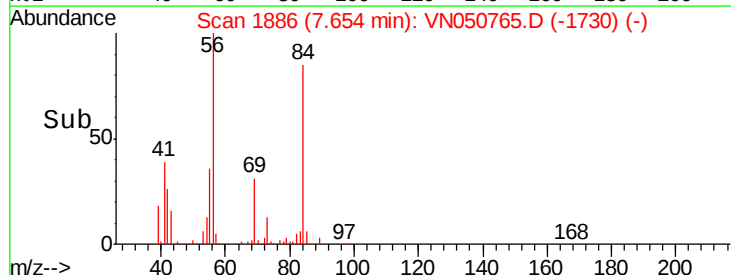
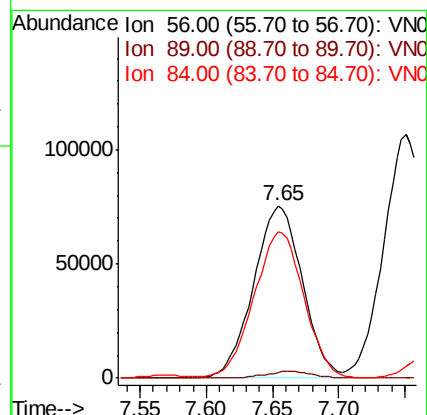
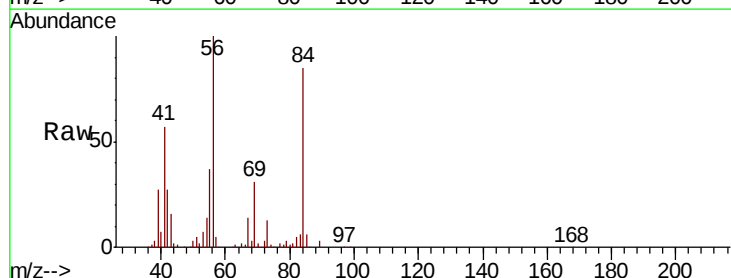
Tgt Ion: 56 Resp: 193986

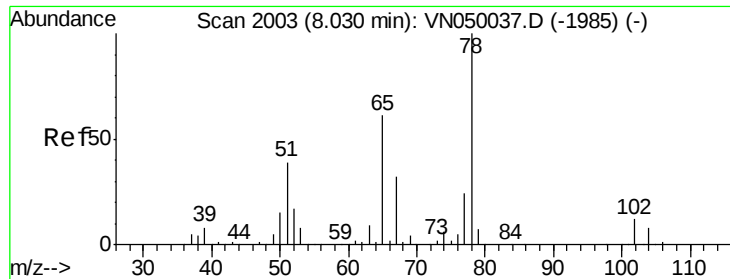
Ion Ratio Lower Upper

56 100

89 3.8 3.0 4.4

84 86.7 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 29.04 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

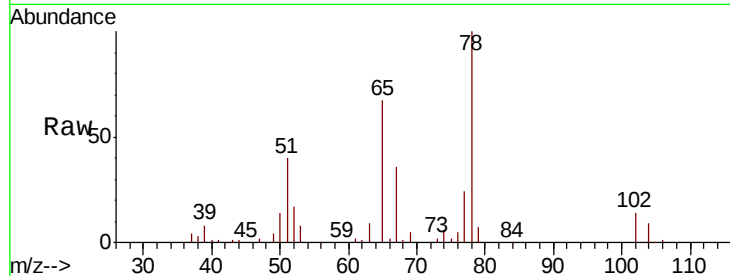
VN0820WBS01

Tot Ion: 65 Resp: 230271

Ion Ratio Lower Upper

65 100

67 54.4 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

100000

80000

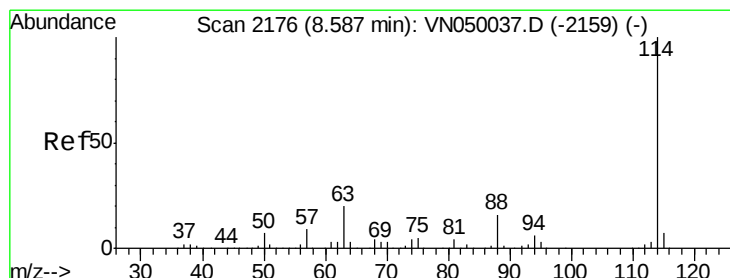
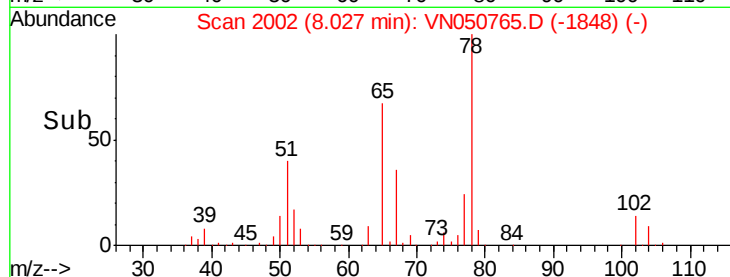
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

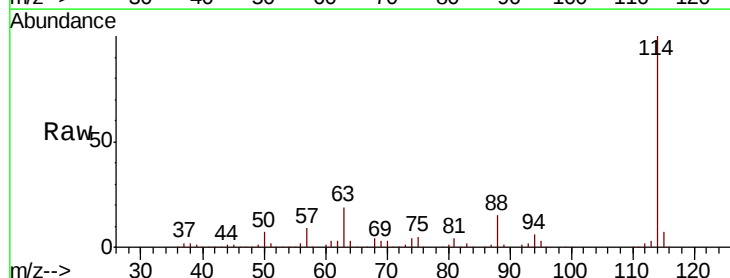
Tgt Ion: 114 Resp: 634872

Ion Ratio Lower Upper

114 100

63 19.5 16.2 24.2

88 15.3 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

400000

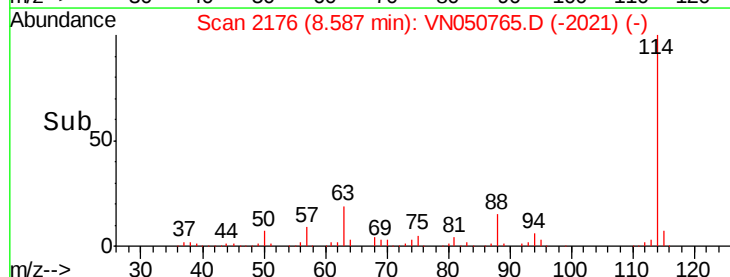
300000

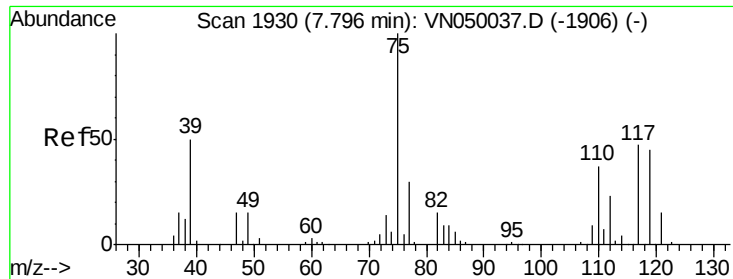
200000

100000

0

Time-->

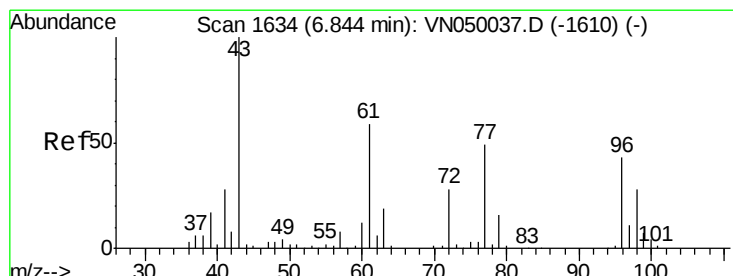
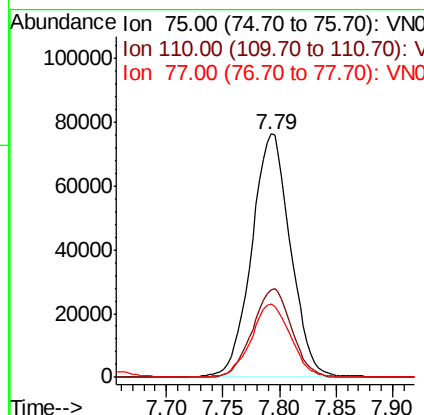
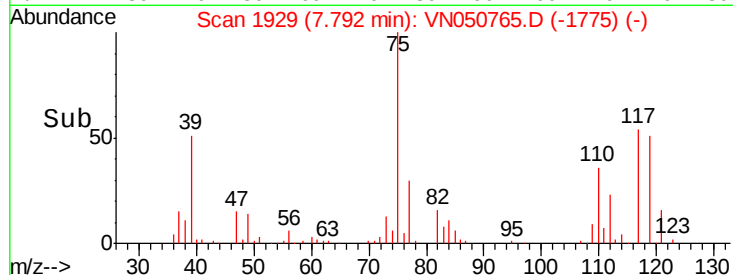
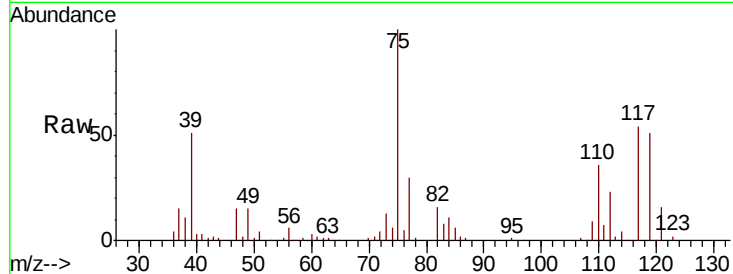




#29
 1,1-Dichloropropene
 Concen: 18.51 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

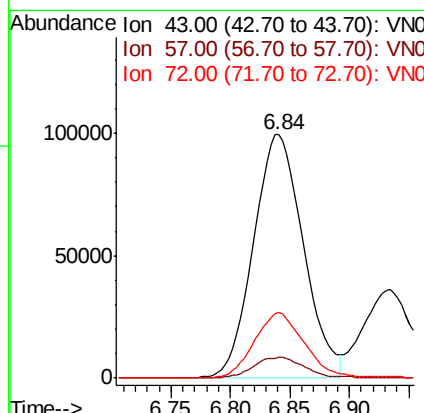
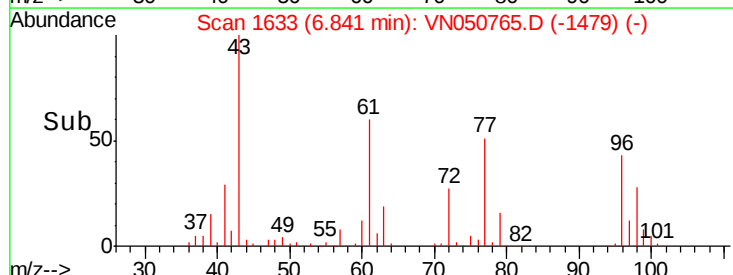
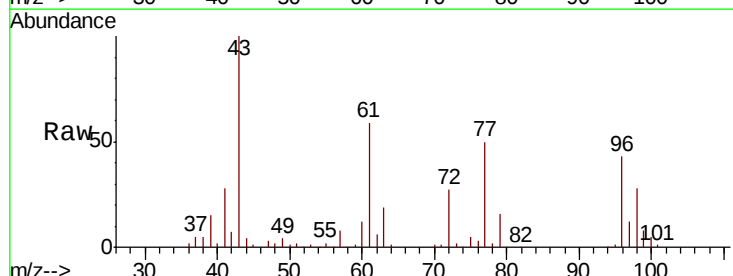
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

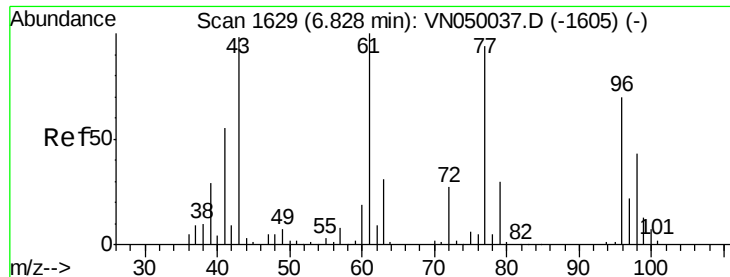
Tot Ion: 75 Resp: 182394
 Ion Ratio Lower Upper
 75 100
 110 36.5 0.0 73.2
 77 30.9 0.0 62.0



#30
 2-Butanone
 Concen: 93.67 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion: 43 Resp: 289591
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.8 10.2#
 72 27.0 21.4 32.0





#31

2,2-Dichloropropane

Concen: 18.41 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

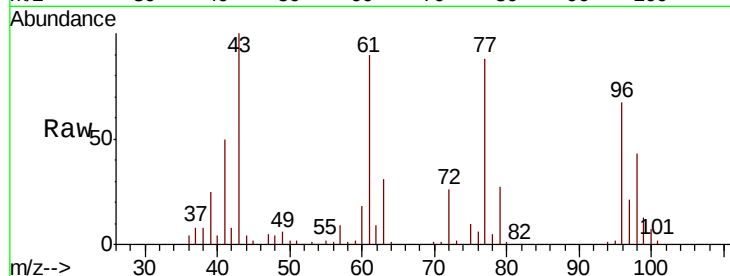
VN0820WBS01

Tot Ion: 77 Resp: 200472

Ion Ratio Lower Upper

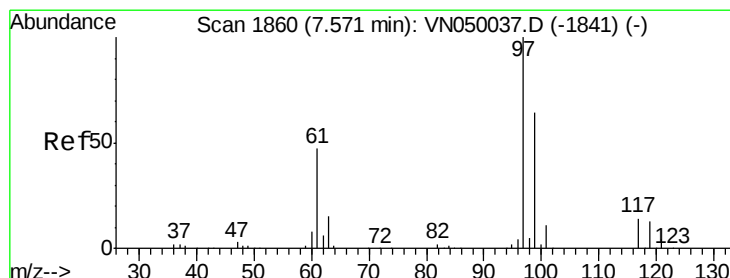
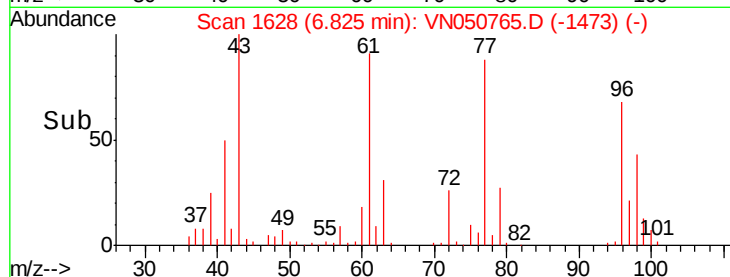
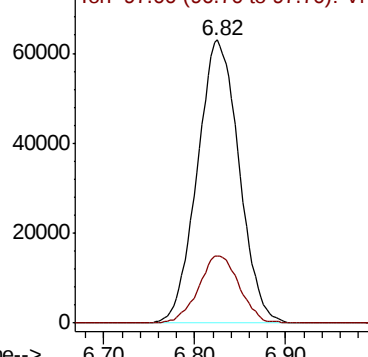
77 100

97 23.2 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.97 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

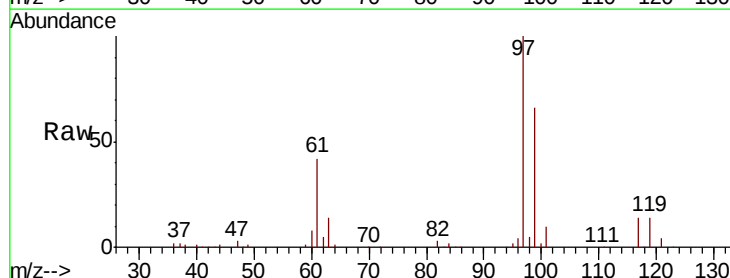
Tgt Ion: 97 Resp: 208355

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

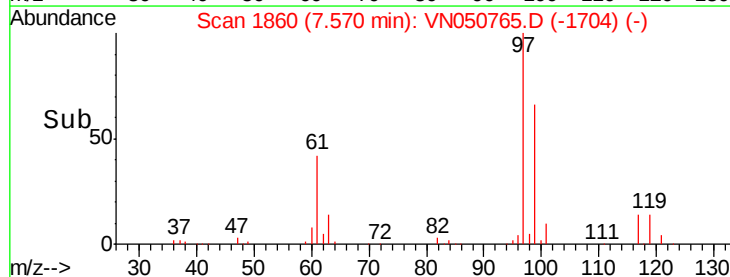
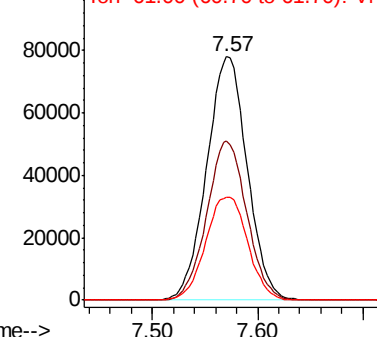
61 44.0 35.3 52.9

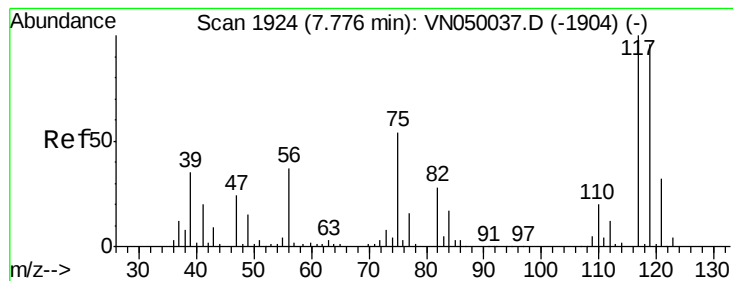


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 18.06 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

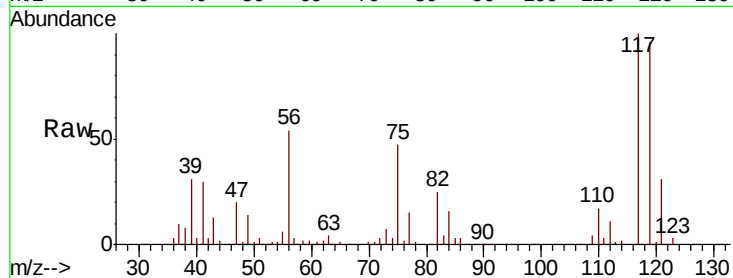
Tot Ion:117 Resp: 186686

Ion Ratio Lower Upper

117 100

119 95.9 76.9 115.3

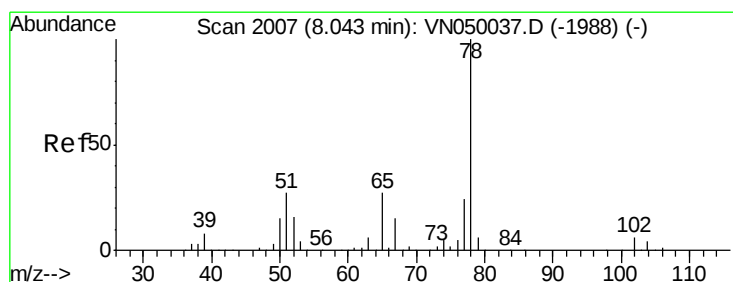
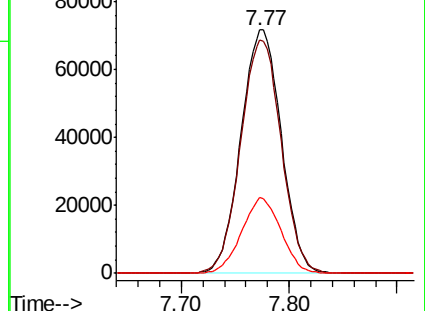
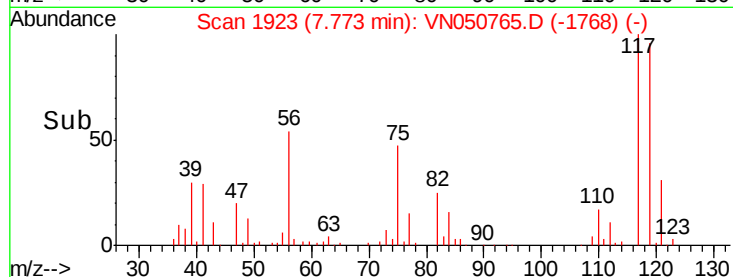
121 31.1 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.77 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

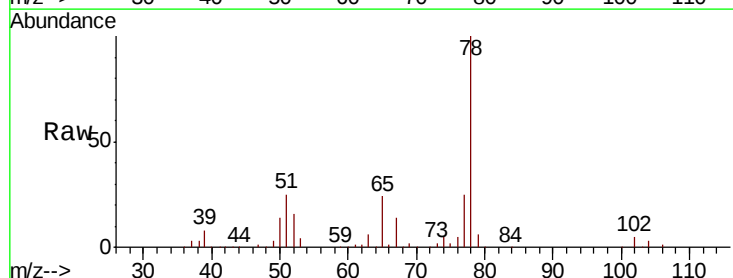
Tgt Ion: 78 Resp: 561637

Ion Ratio Lower Upper

78 100

77 24.6 19.1 28.7

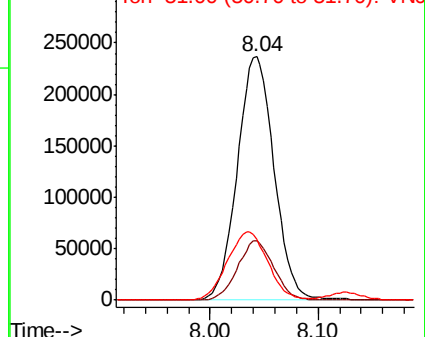
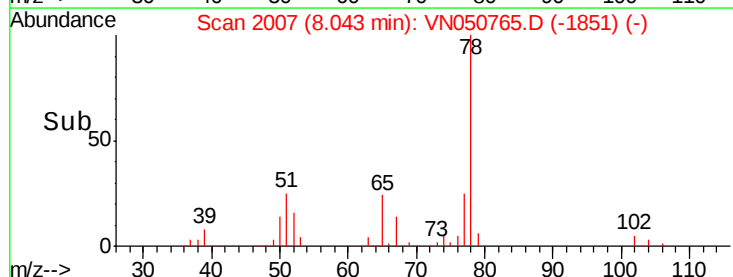
51 24.7 21.0 31.4

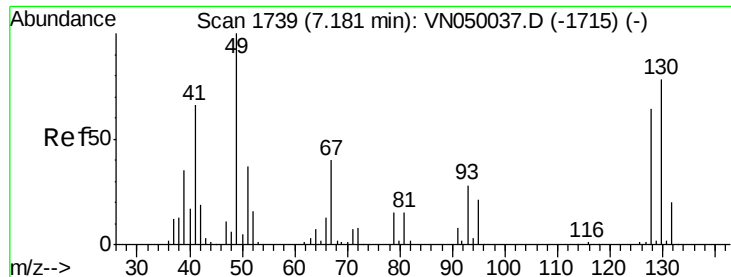


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

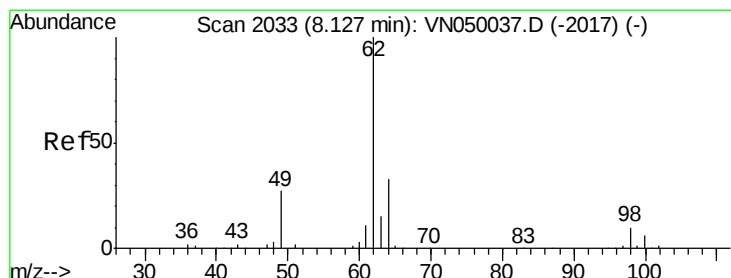
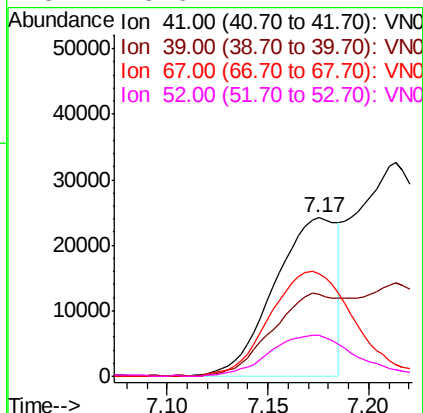
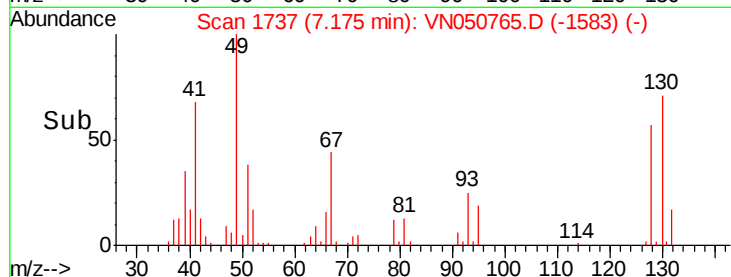
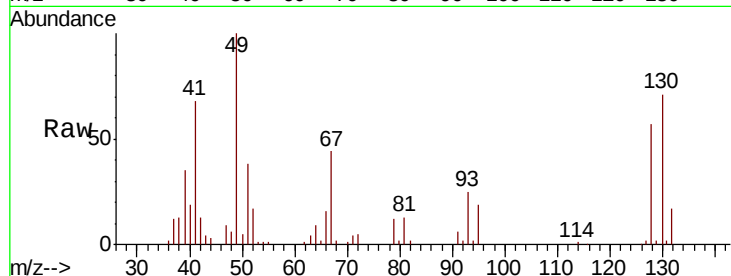




#35
Methacrylonitrile
Concen: 14.88 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

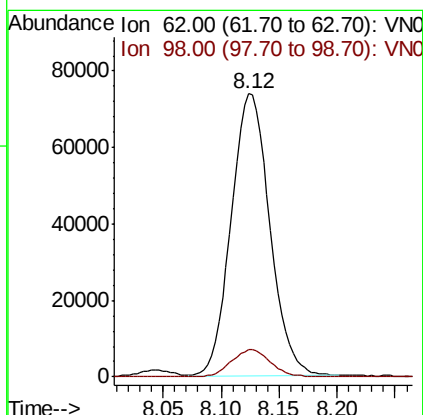
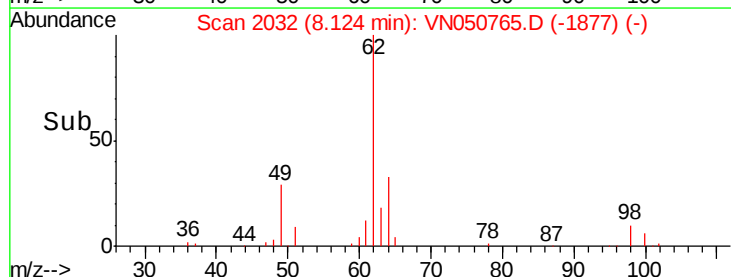
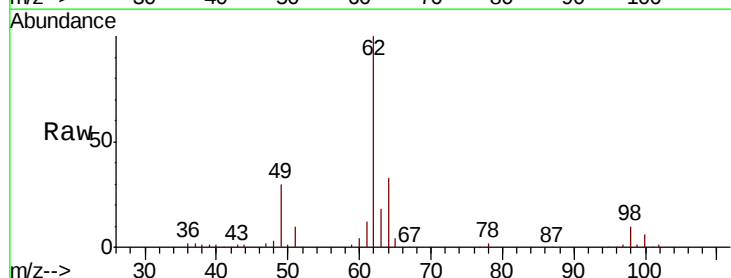
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

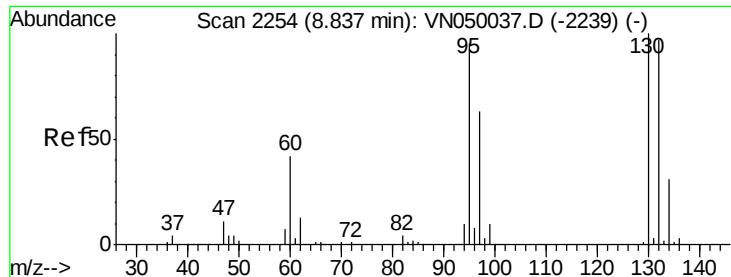
Tot Ion: 41 Resp: 52369
Ion Ratio Lower Upper
41 100
39 51.9 27.6 82.7
67 64.9 35.1 105.5
52 25.6 14.1 42.4



#36
1,2-Dichloroethane
Concen: 17.33 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 62 Resp: 170304
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6

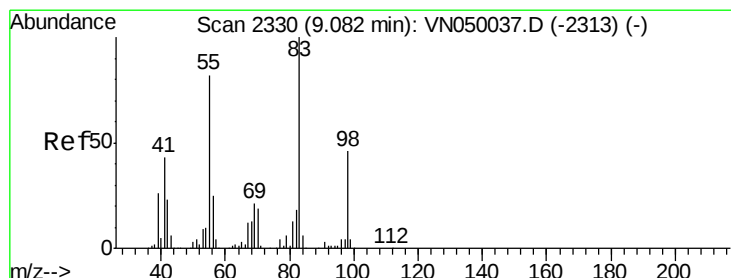
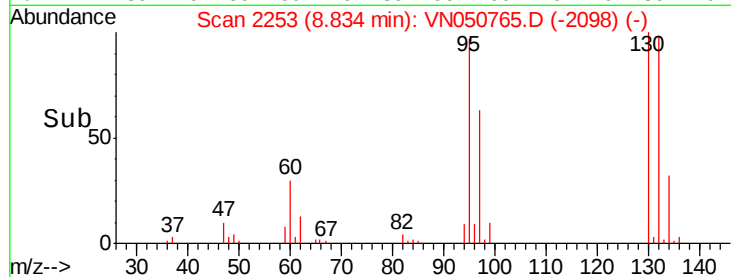
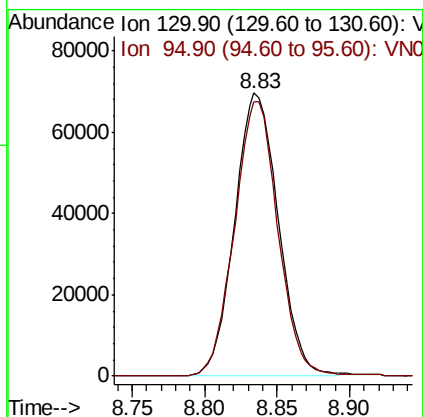
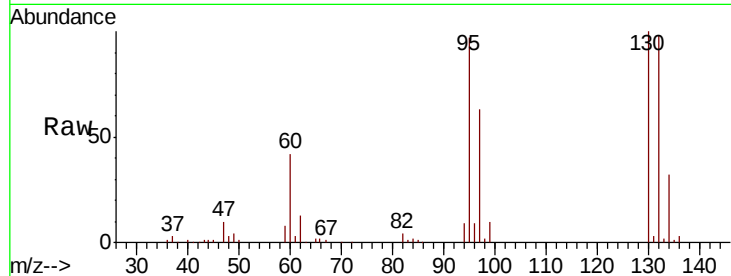




#37
 Trichloroethene
 Concen: 18.62 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

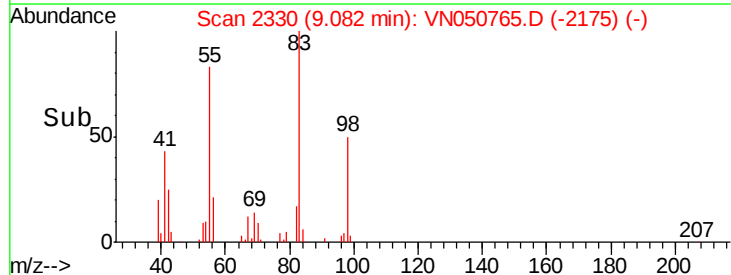
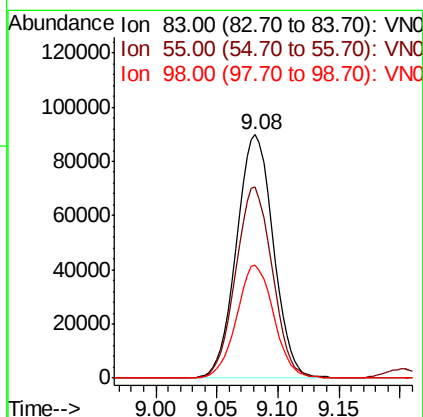
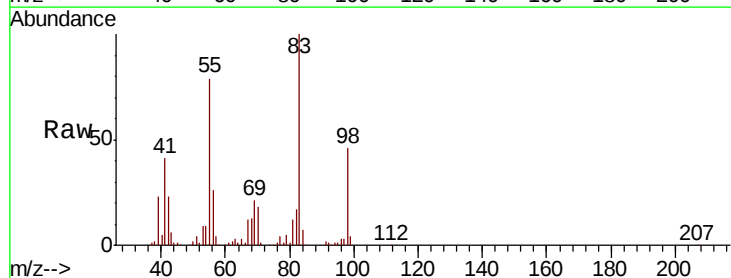
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

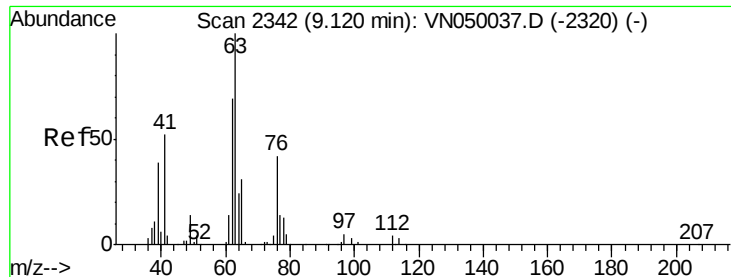
Tot Ion:130 Resp: 146118
 Ion Ratio Lower Upper
 130 100
 95 96.7 79.7 119.5



#38
 Methylcyclohexane
 Concen: 18.07 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion: 83 Resp: 187659
 Ion Ratio Lower Upper
 83 100
 55 78.3 39.3 117.8
 98 46.6 23.0 69.0





#39

1,2-Dichloropropane

Concen: 19.15 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

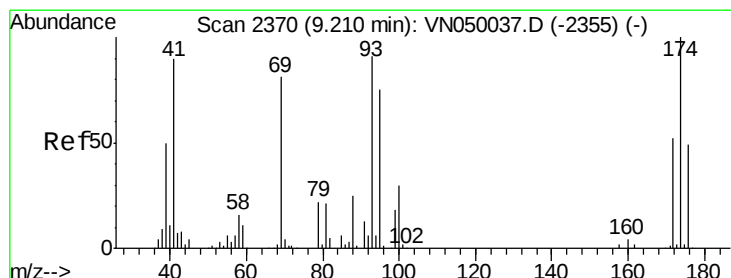
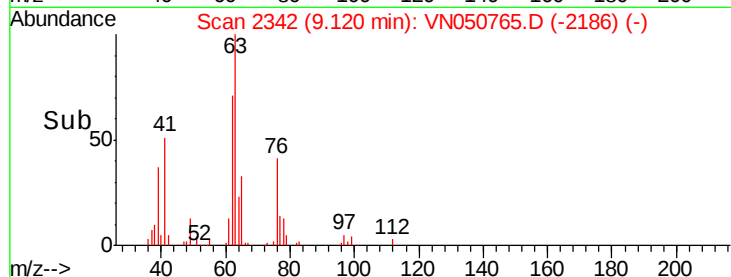
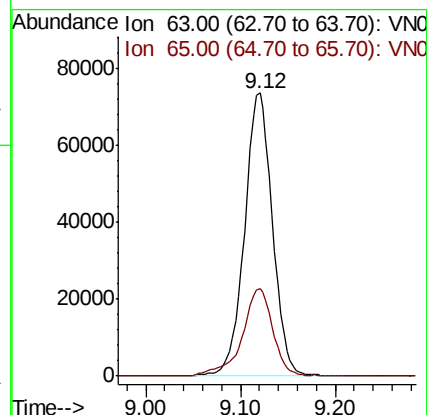
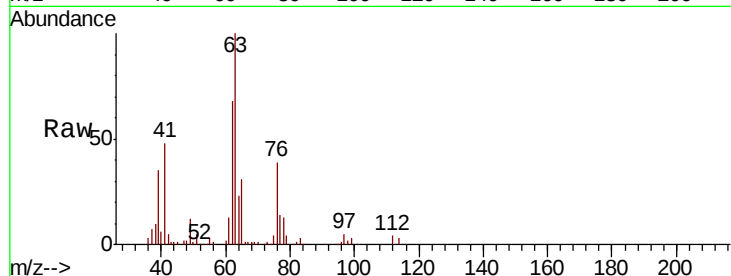
VN0820WBS01

Tot Ion: 63 Resp: 150938

Ion Ratio Lower Upper

63 100

65 31.1 24.2 36.2



#40

Dibromomethane

Concen: 17.67 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

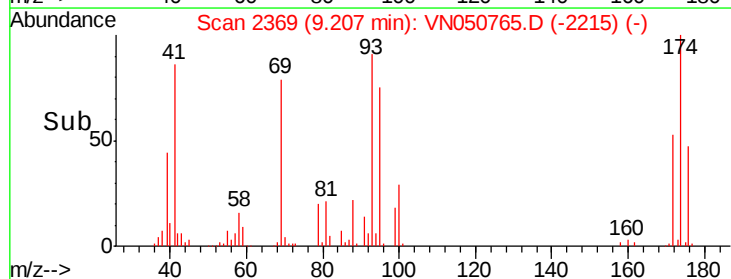
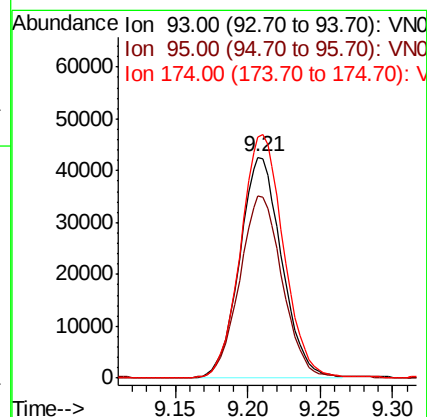
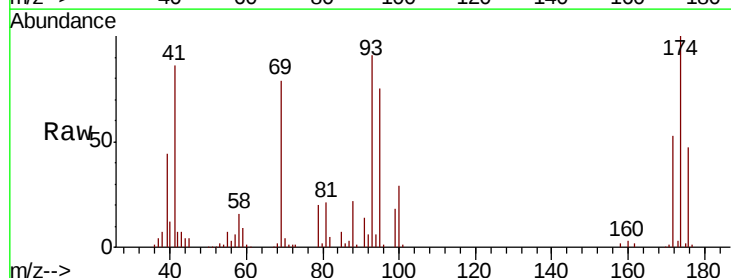
Tgt Ion: 93 Resp: 86070

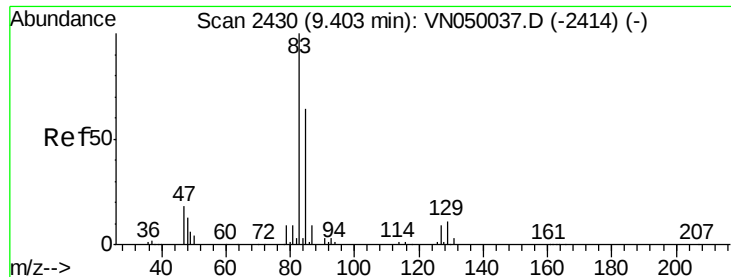
Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.6

174 112.2 0.0 223.2





#41

Bromodichloromethane

Concen: 18.16 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

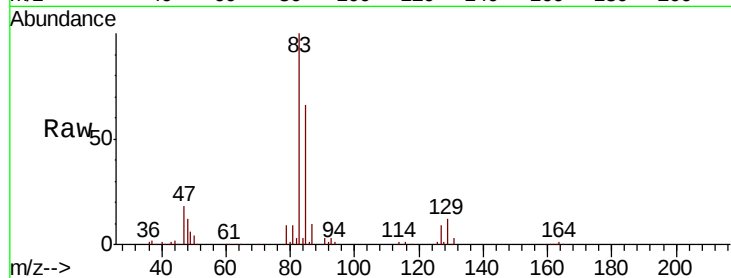
Tot Ion: 83 Resp: 186644

Ion Ratio Lower Upper

83 100

85 65.9 52.6 78.8

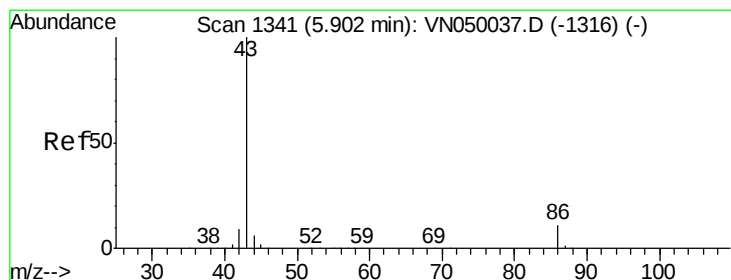
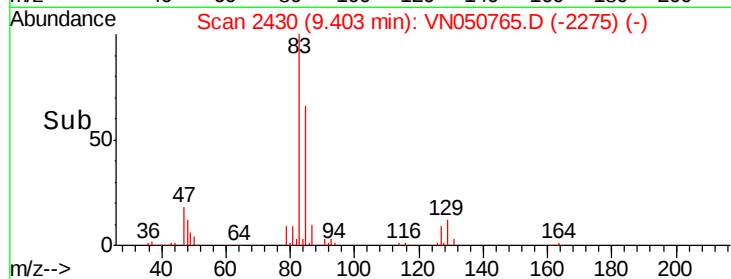
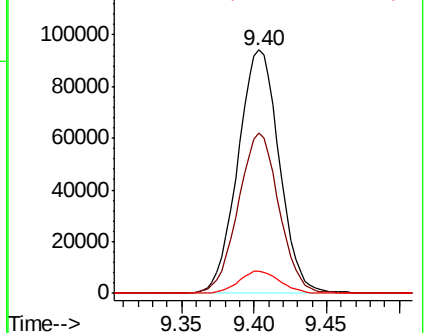
127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 84.98 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050765.D

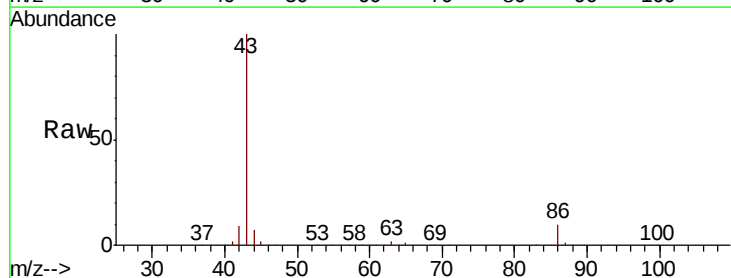
Acq: 20 Aug 2018 11:19

Tgt Ion: 43 Resp: 1236440

Ion Ratio Lower Upper

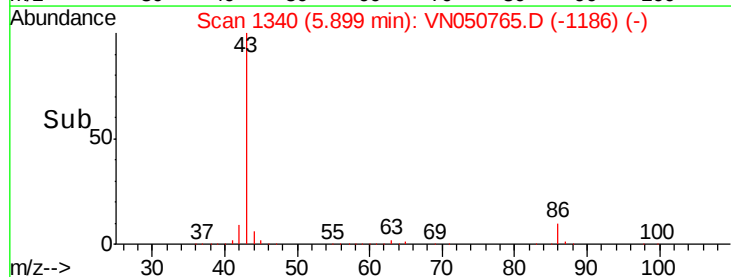
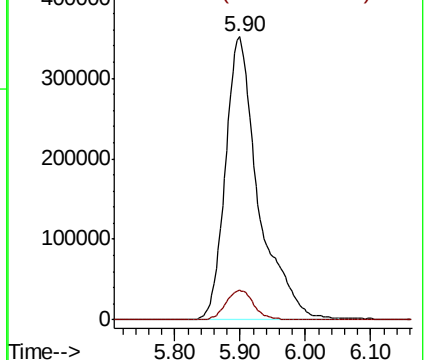
43 100

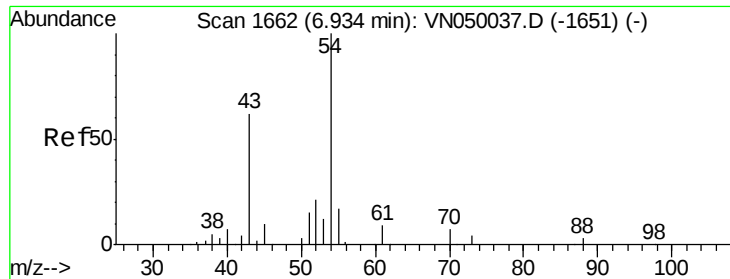
86 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 16.22 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

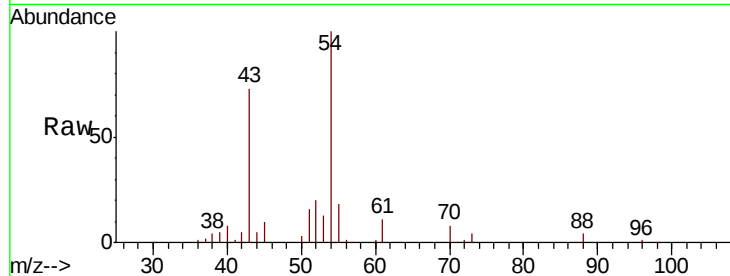
VN0820WBS01

Tot Ion: 43 Resp: 104745

Ion Ratio Lower Upper

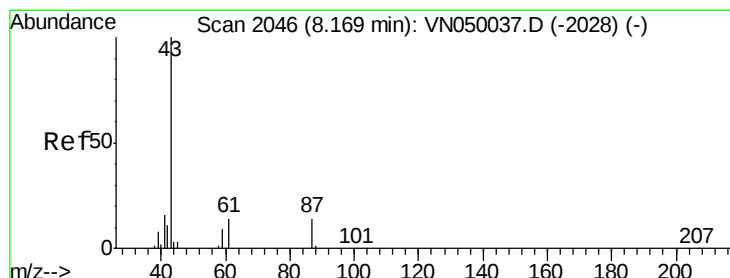
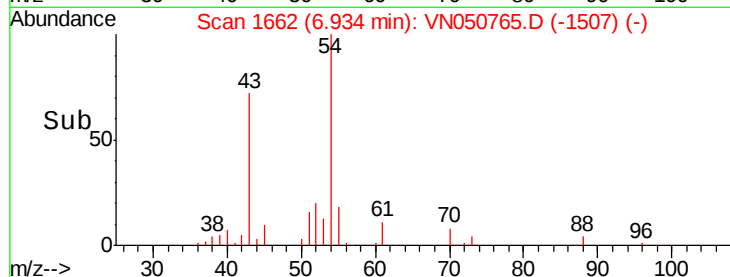
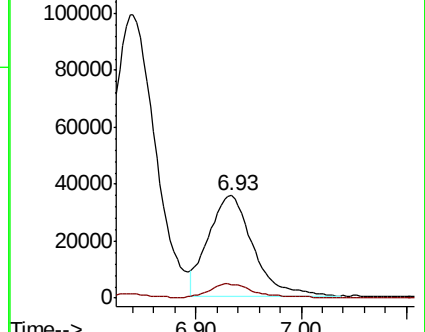
43 100

45 11.9 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 15.22 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050765.D

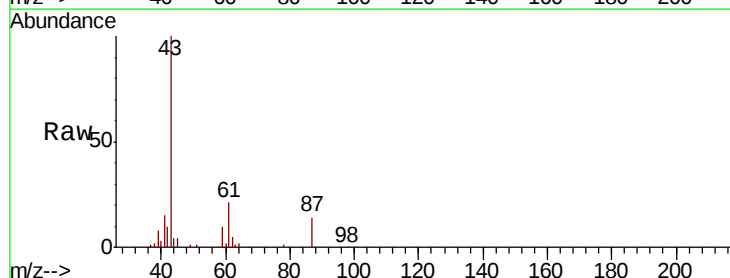
Acq: 20 Aug 2018 11:19

Tgt Ion: 43 Resp: 182075

Ion Ratio Lower Upper

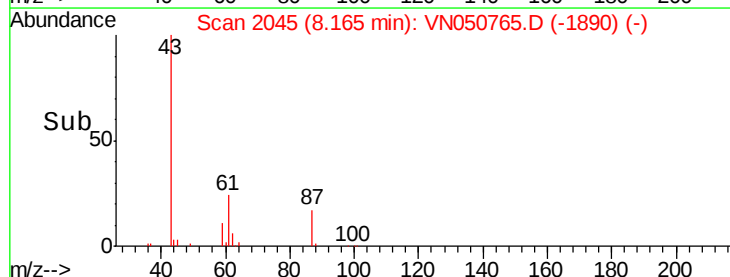
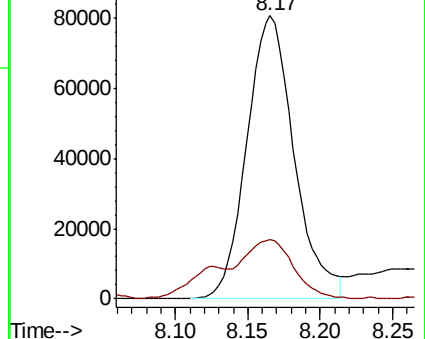
43 100

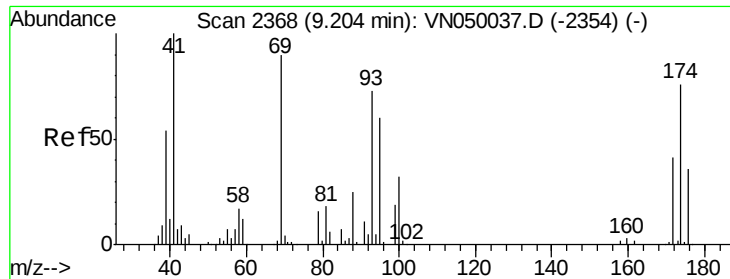
61 21.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

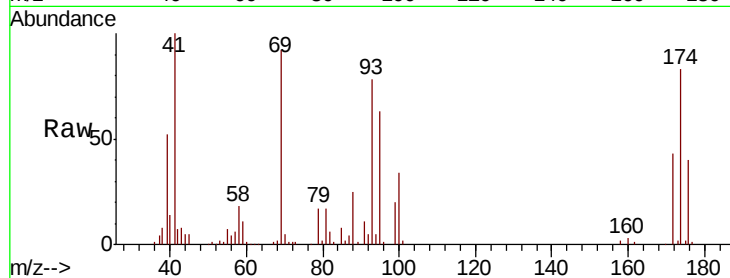




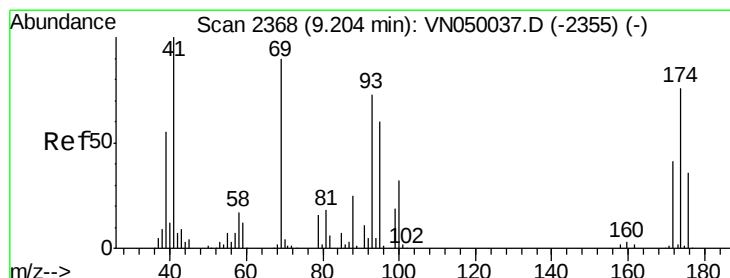
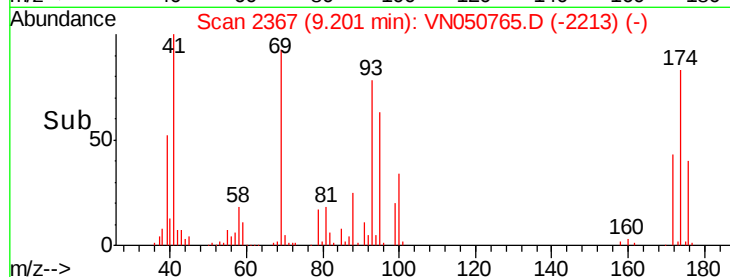
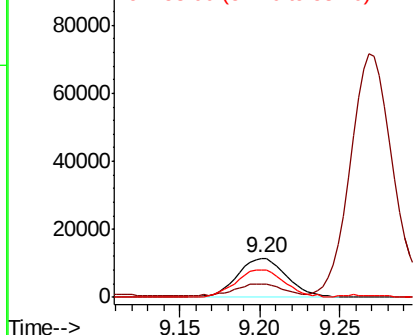
#45
 1,4-Dioxane
 Concen: 305.29 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion: 88 Resp: 24026
 Ion Ratio Lower Upper
 88 100
 43 25.4 26.9 40.3#
 58 69.6 53.6 80.4

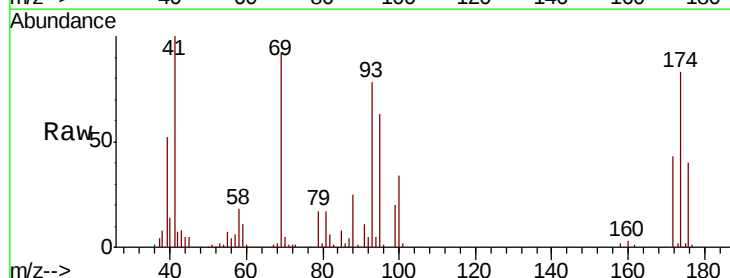


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

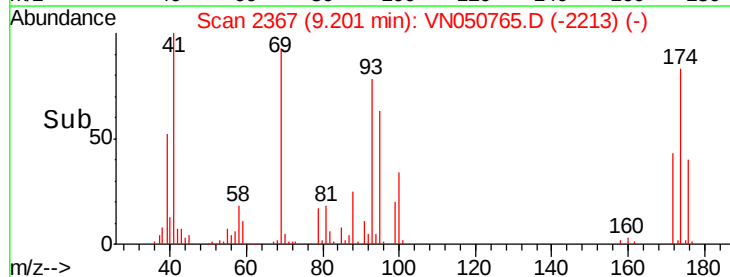
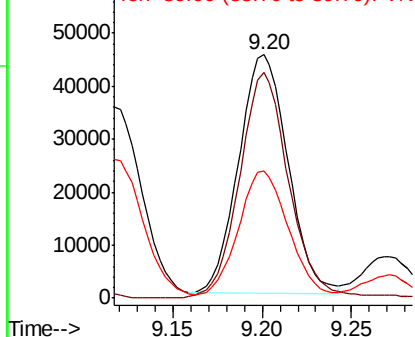


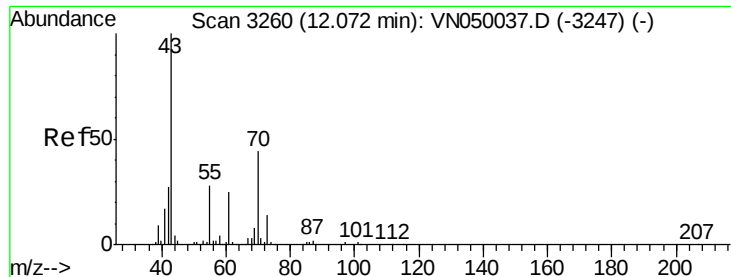
#46
 Methyl methacrylate
 Concen: 14.96 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion: 41 Resp: 86712
 Ion Ratio Lower Upper
 41 100
 69 94.3 44.0 132.1
 39 51.9 27.0 80.8



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





#47

n-amyl Acetate

Concen: 14.89 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

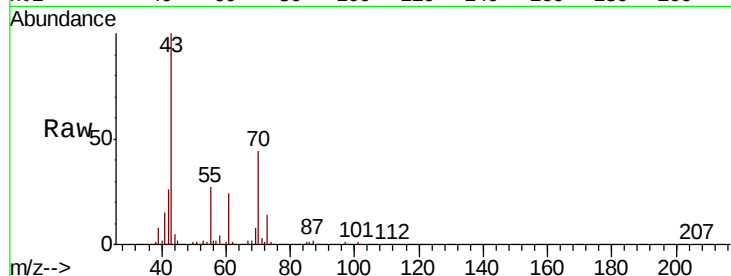
VN0820WBS01

Tot Ion: 43 Resp: 138593

Ion Ratio Lower Upper

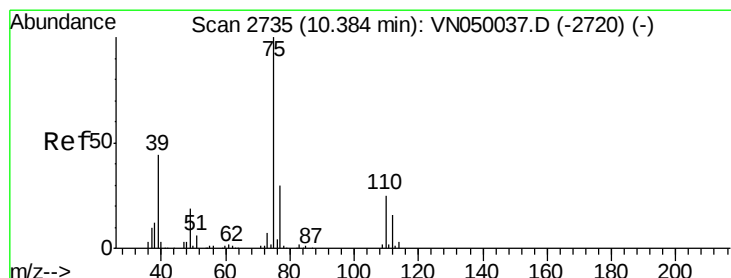
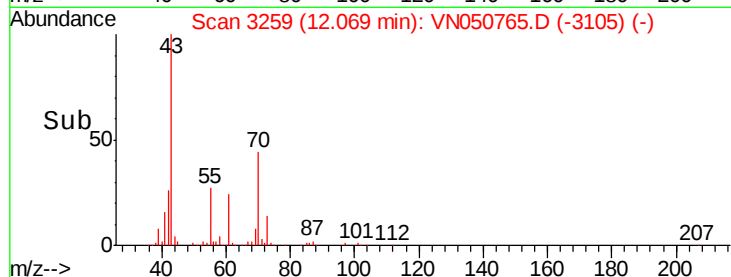
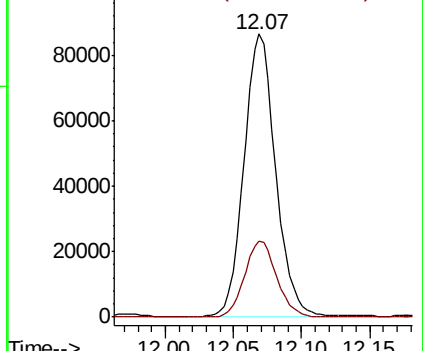
43 100

55 27.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.95 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050765.D

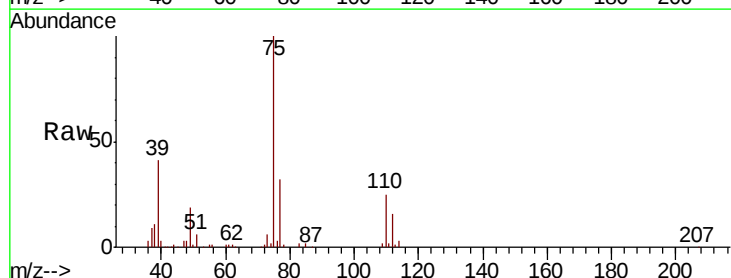
Acq: 20 Aug 2018 11:19

Tgt Ion: 75 Resp: 175828

Ion Ratio Lower Upper

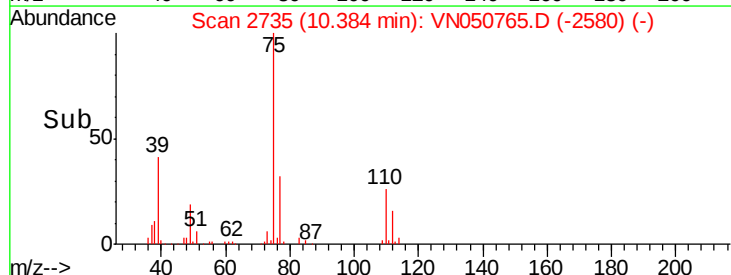
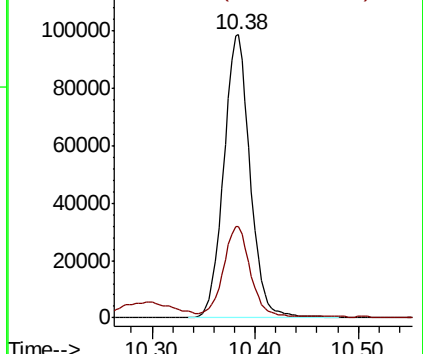
75 100

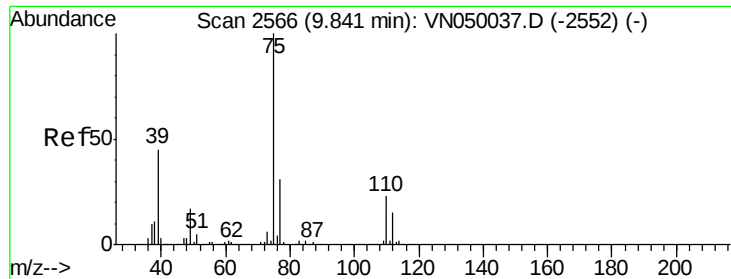
77 31.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



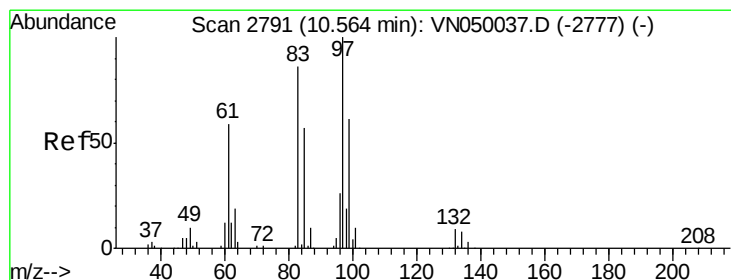
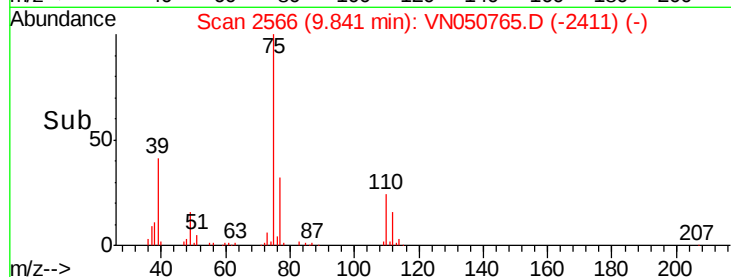
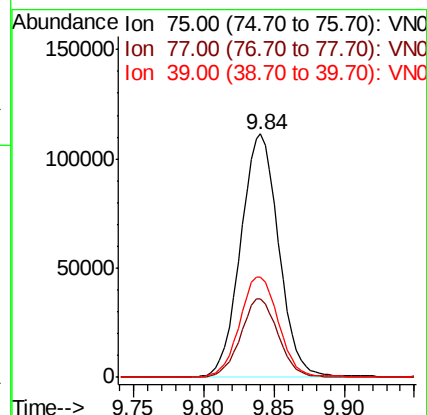
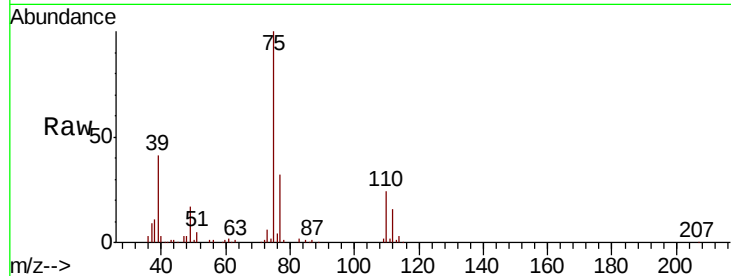


#49

cis-1,3-Dichloropropene
 Concen: 18.34 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBS01

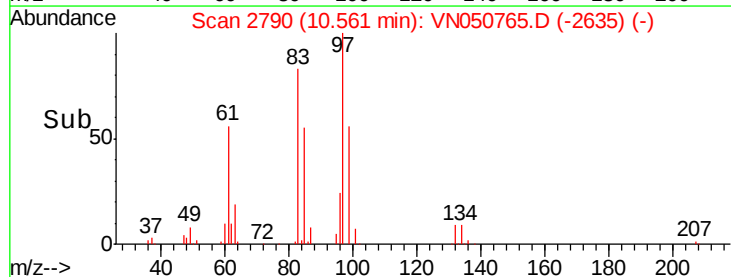
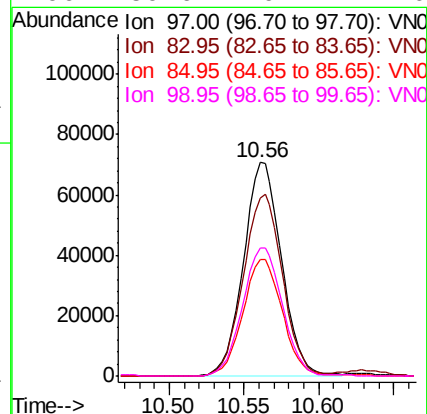
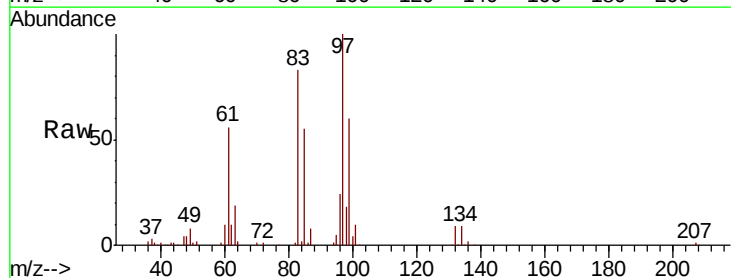
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
39	41.1	36.3	54.5

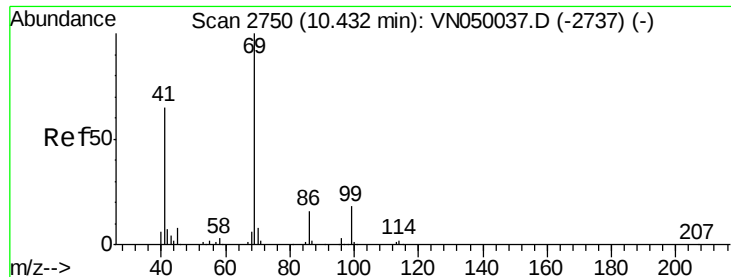


#50

1,1,2-Trichloroethane
 Concen: 17.93 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.1	102.1
85	54.7	45.4	68.2
99	59.6	49.4	74.0





#51

Ethyl methacrylate

Concen: 15.91 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

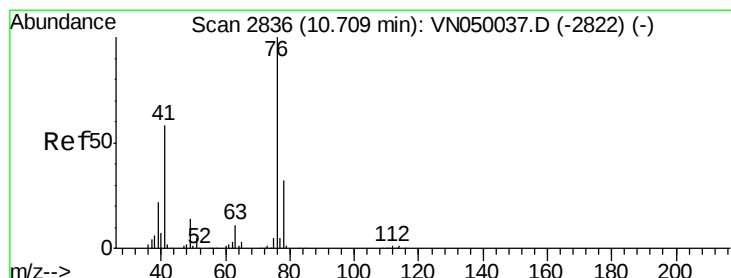
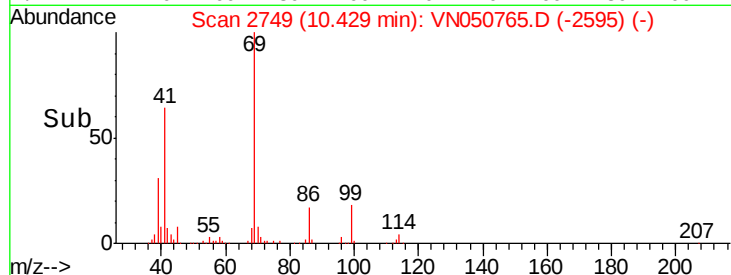
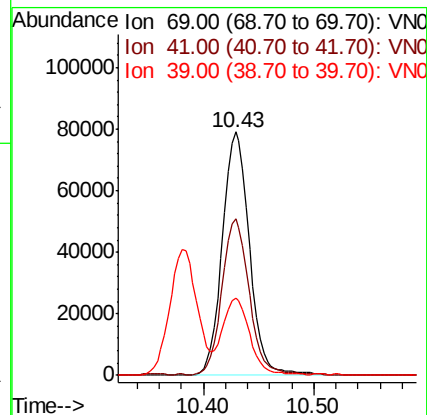
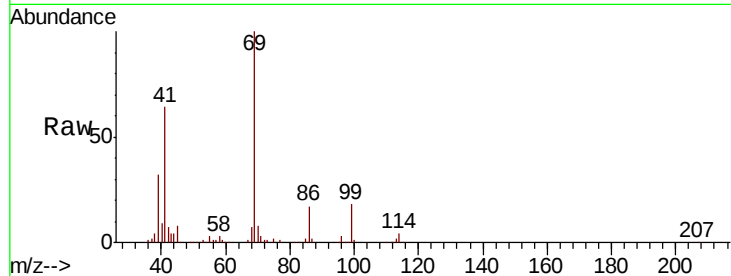
Tot Ion: 69 Resp: 135011

Ion Ratio Lower Upper

69 100

41 63.7 31.9 95.9

39 31.3 16.7 50.1



#52

1,3-Dichloropropane

Concen: 17.91 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050765.D

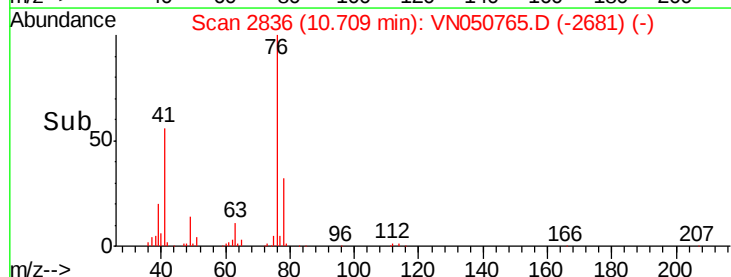
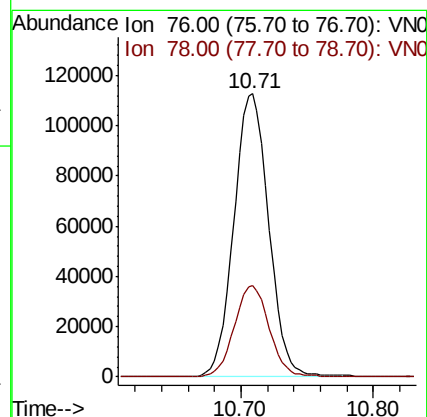
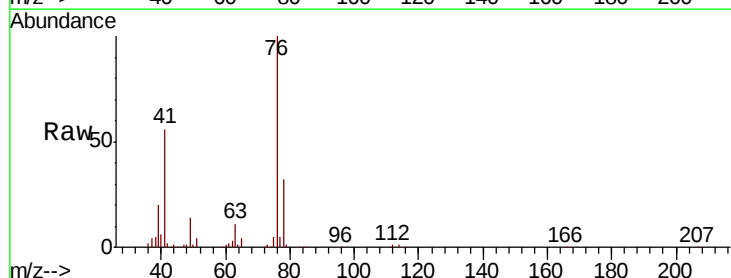
Acq: 20 Aug 2018 11:19

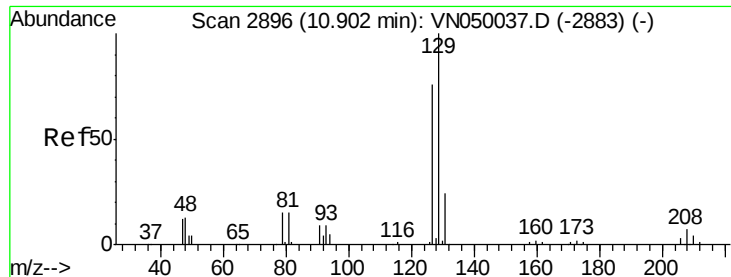
Tgt Ion: 76 Resp: 205693

Ion Ratio Lower Upper

76 100

78 32.4 0.0 65.6

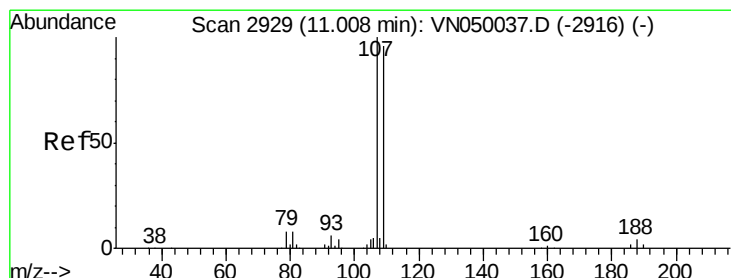
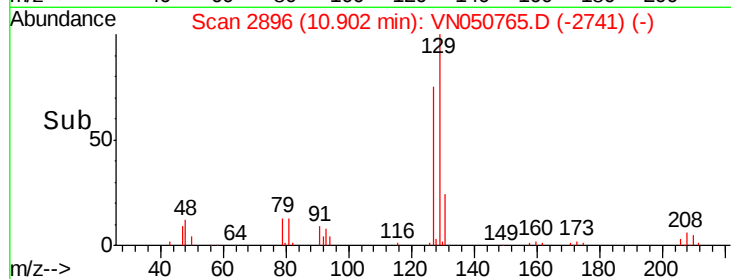
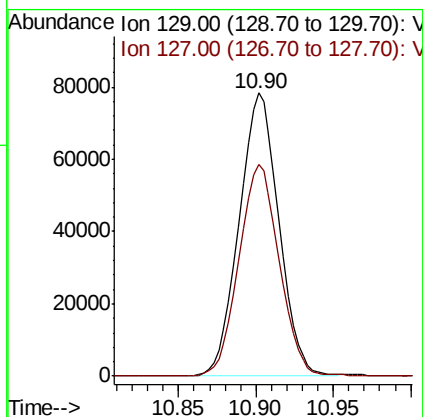
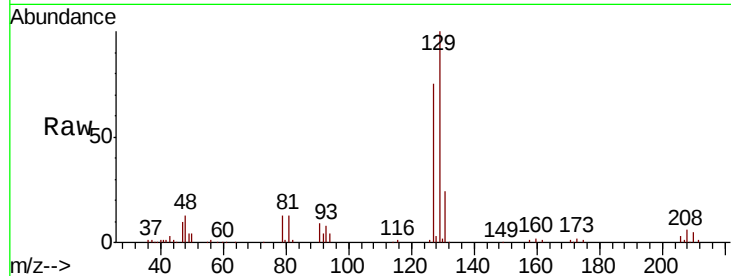




#53
 Dibromochloromethane
 Concen: 17.65 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

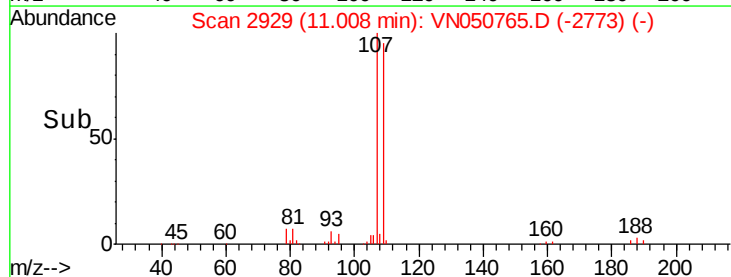
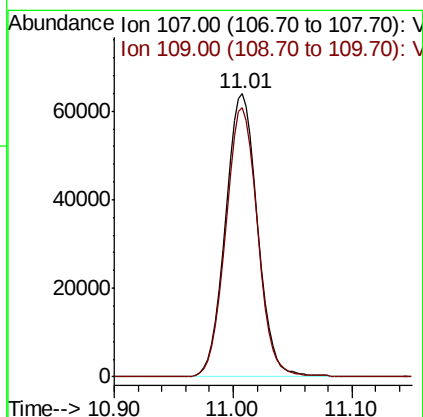
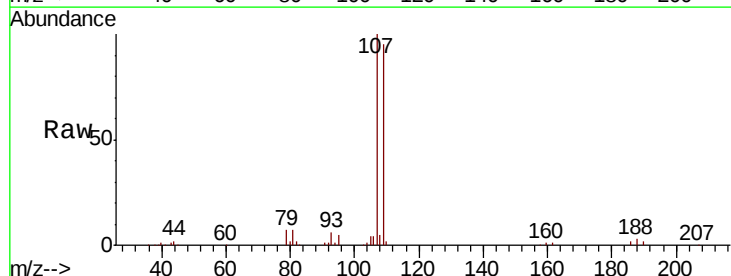
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

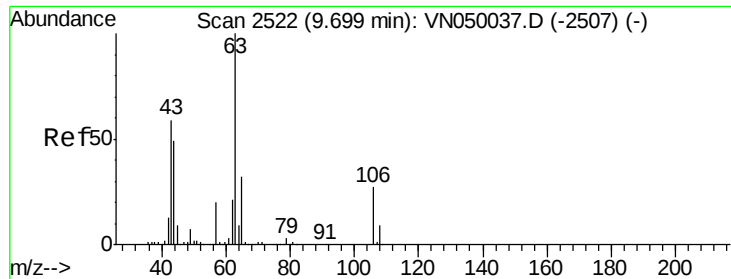
Tot Ion:129 Resp: 140053
 Ion Ratio Lower Upper
 129 100
 127 75.8 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 17.45 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion:107 Resp: 119525
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.2 114.2

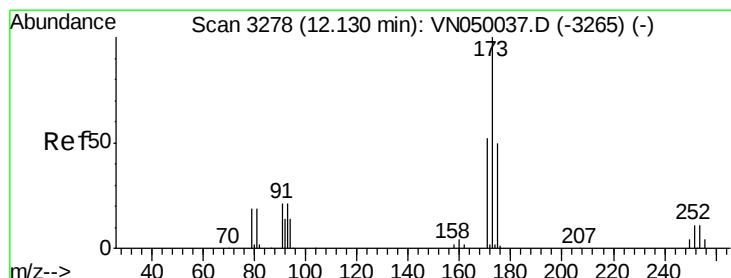
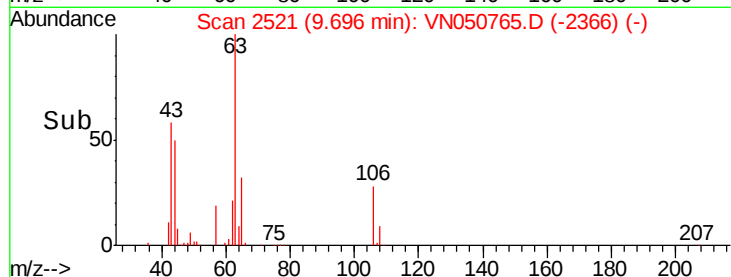
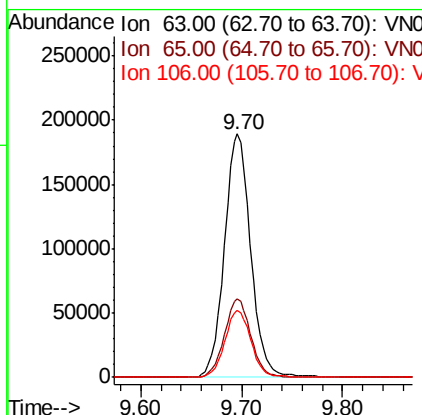
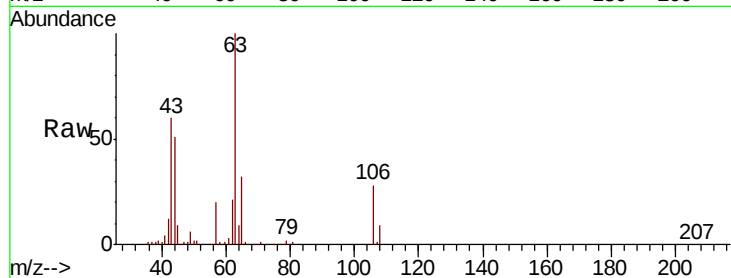




#55
 2-Chloroethyl vinyl ether
 Concen: 89.46 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

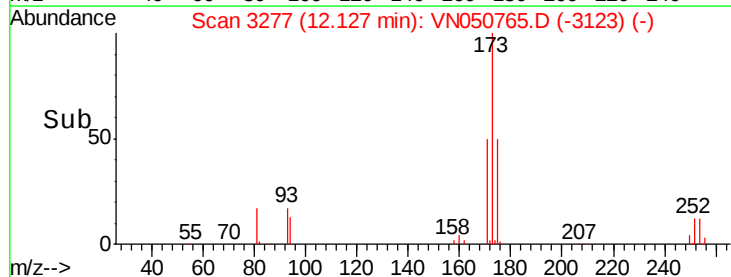
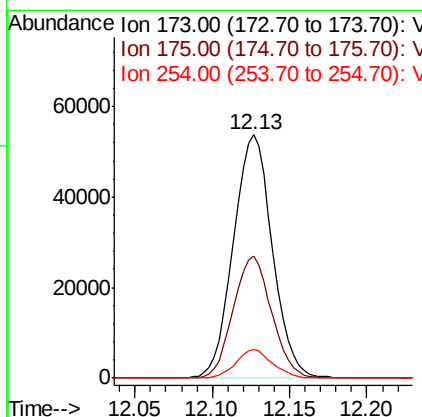
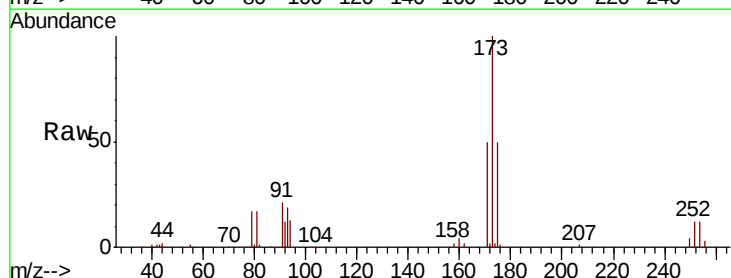
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

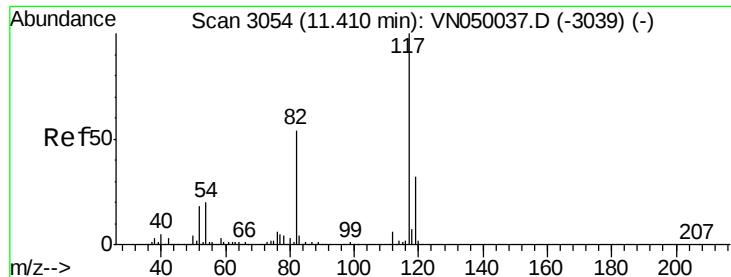
Tot Ion	63	Resp	343637
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	27.6	21.8	32.6



#56
 Bromoform
 Concen: 16.77 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	173	Resp	93956
Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.6	57.8
254	11.0	8.8	13.2

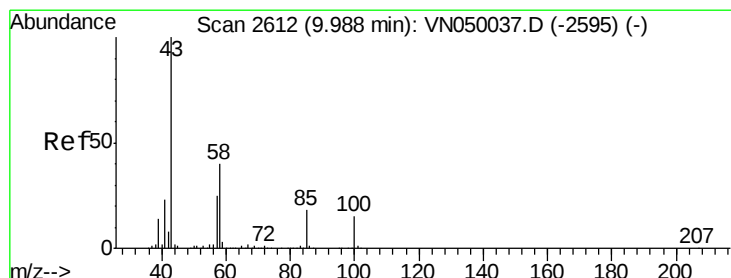
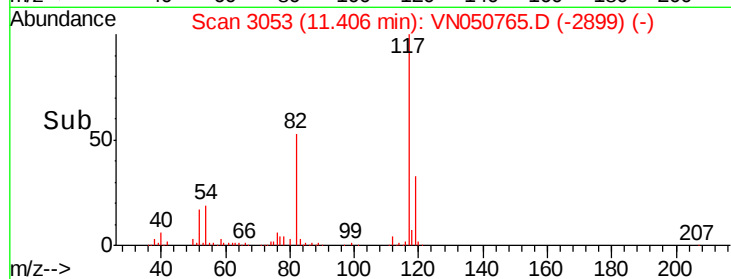
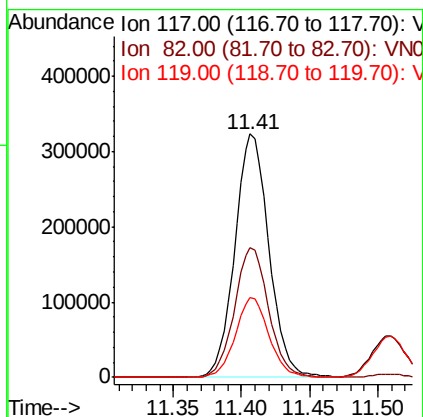
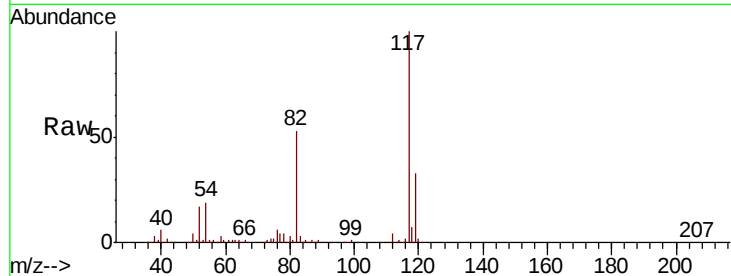




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

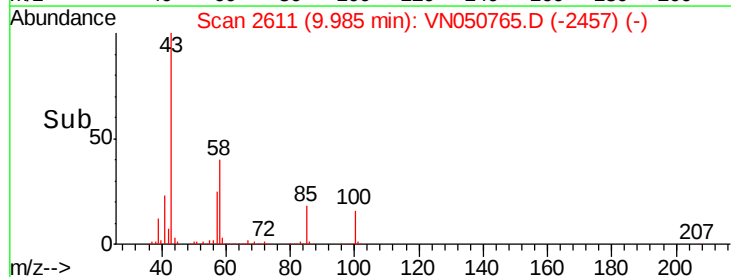
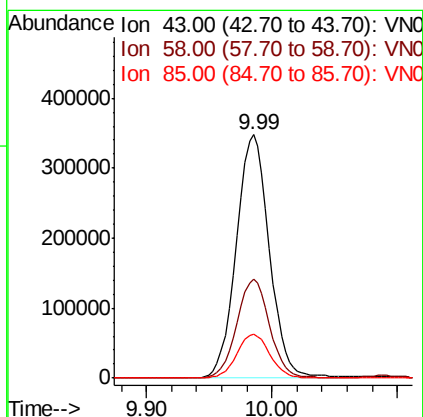
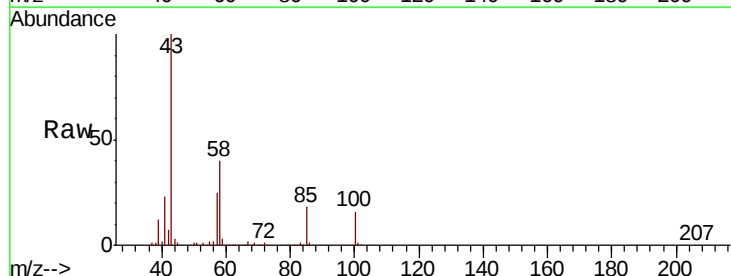
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

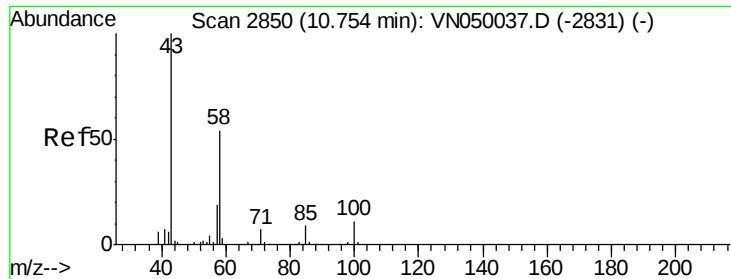
Tot Ion:117 Resp: 560644
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 32.4 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 97.48 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 43 Resp: 635926
Ion Ratio Lower Upper
43 100
58 40.4 31.2 46.8
85 18.0 14.4 21.6

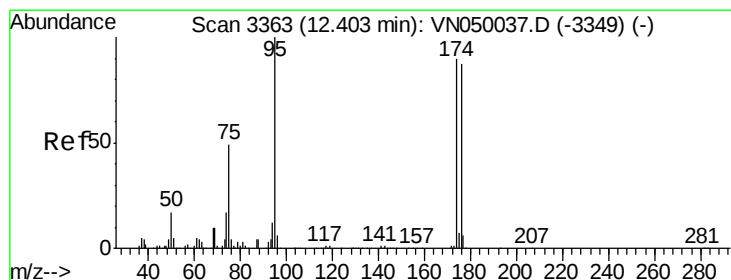
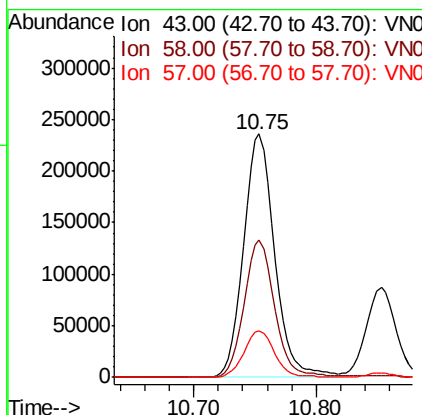
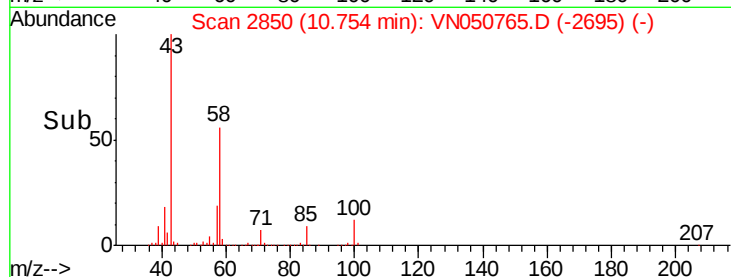
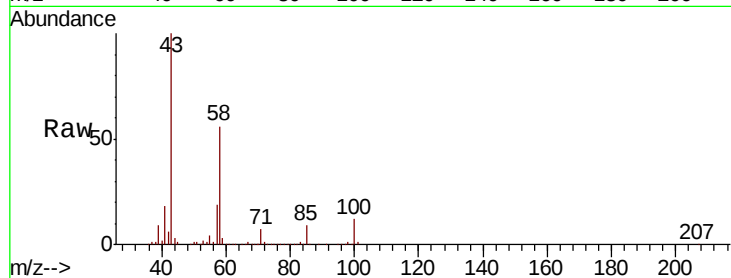




#59
2-Hexanone
Concen: 92.22 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

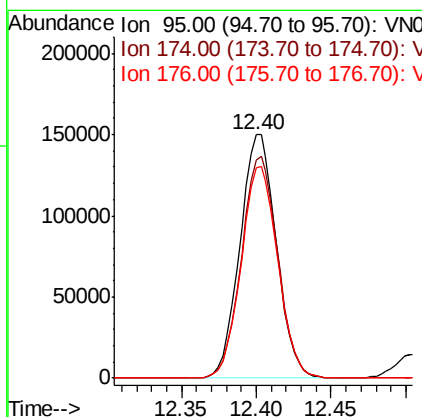
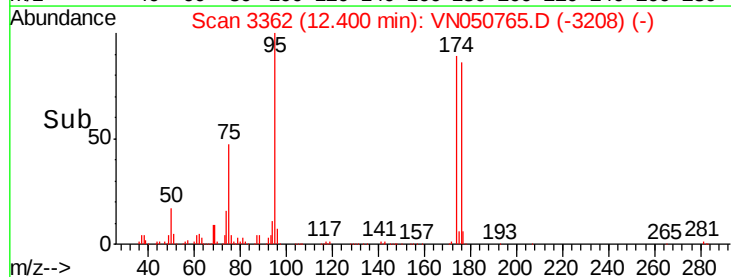
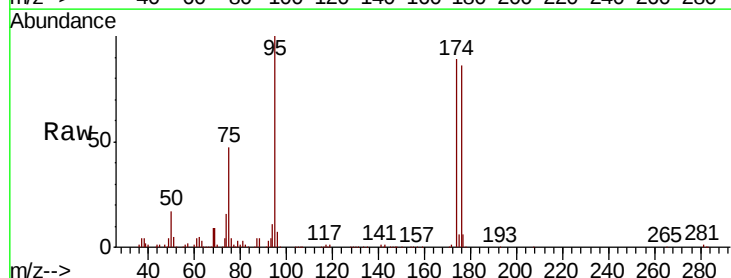
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

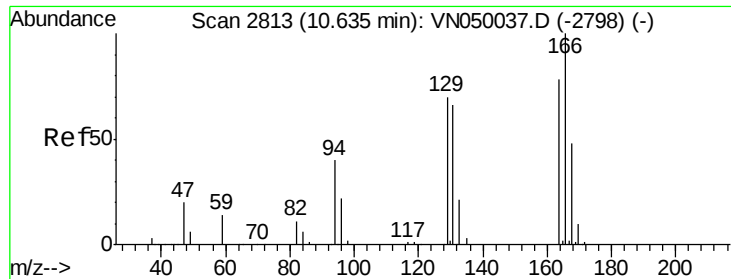
Tot Ion: 43 Resp: 410444
Ion Ratio Lower Upper
43 100
58 55.6 43.8 65.8
57 19.1 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.45 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 95 Resp: 253642
Ion Ratio Lower Upper
95 100
174 90.9 72.3 108.5
176 87.6 70.0 105.0





#61

Tetrachloroethene

Concen: 17.72 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

Tot Ion:164 Resp: 134531

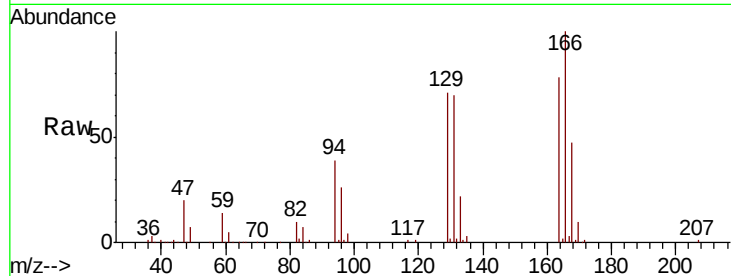
Ion Ratio Lower Upper

164 100

166 127.6 100.0 150.0

129 90.4 69.3 103.9

131 89.4 68.8 103.2



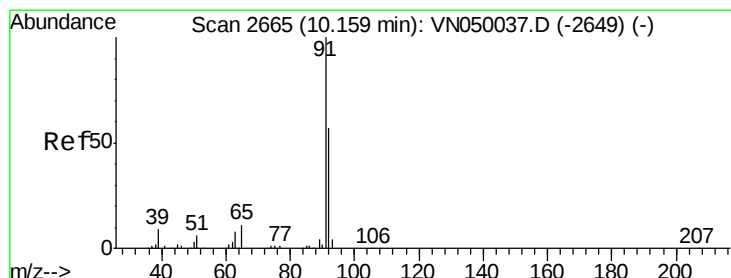
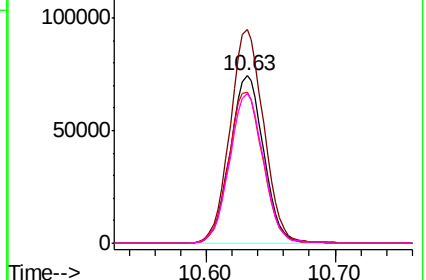
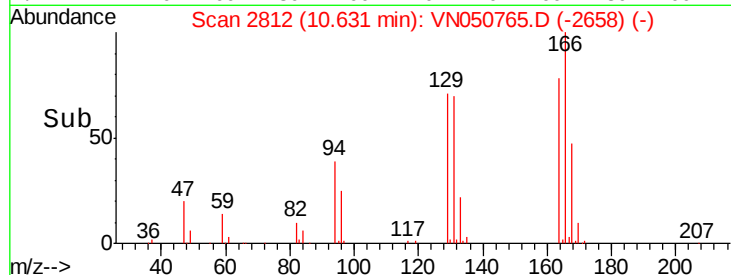
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.00 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050765.D

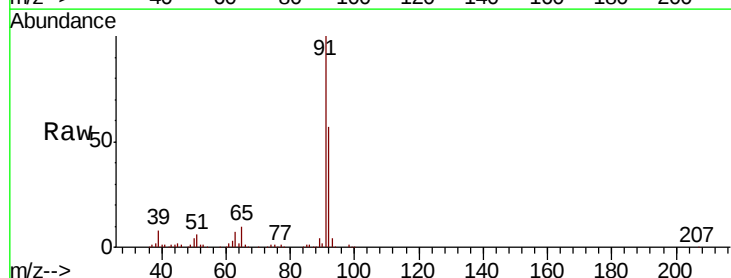
Acq: 20 Aug 2018 11:19

Tgt Ion: 91 Resp: 607786

Ion Ratio Lower Upper

91 100

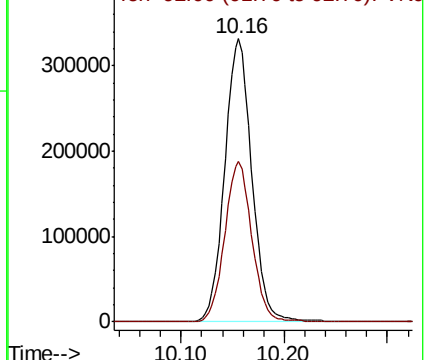
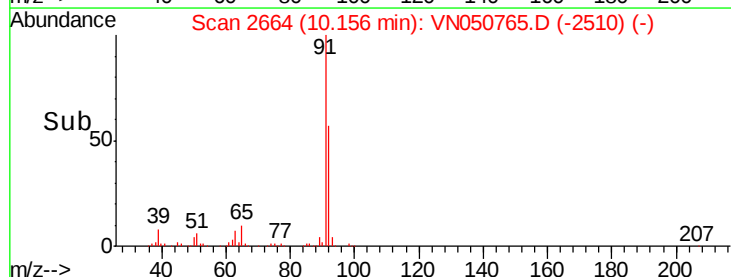
92 56.8 45.7 68.5

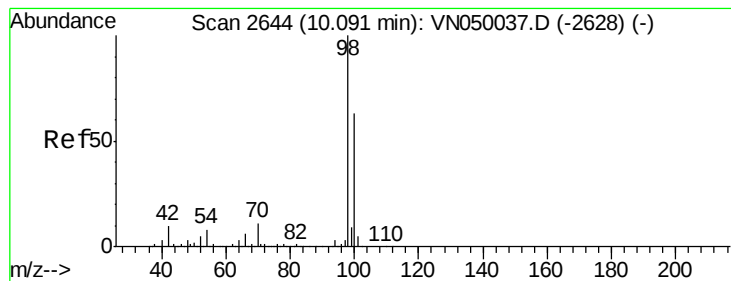


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

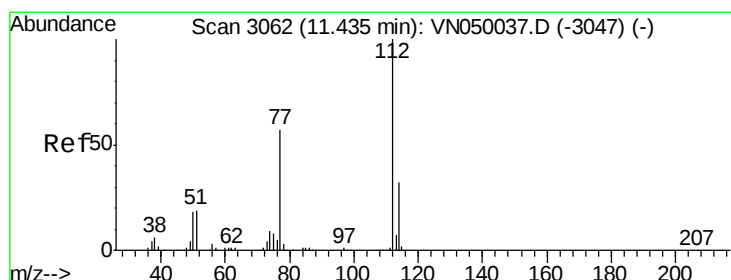
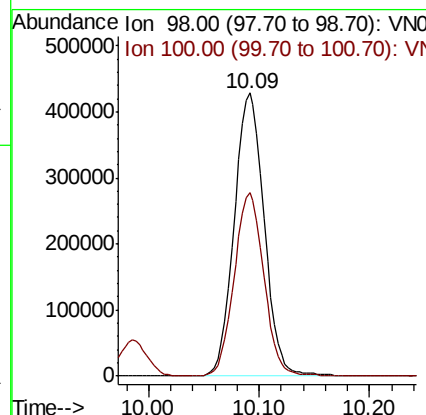
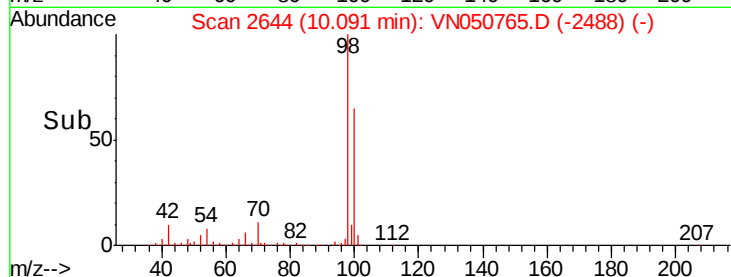
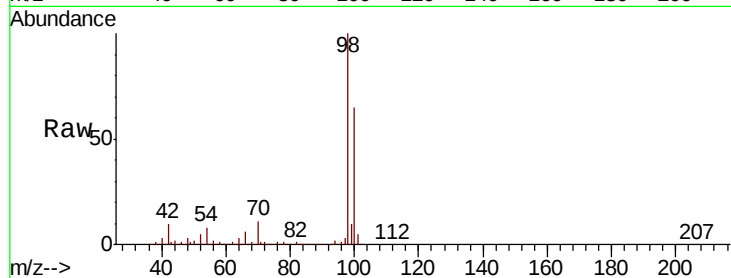
VN0820WBS01

Tot Ion: 98 Resp: 808530

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#64

Chlorobenzene

Concen: 19.11 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050765.D

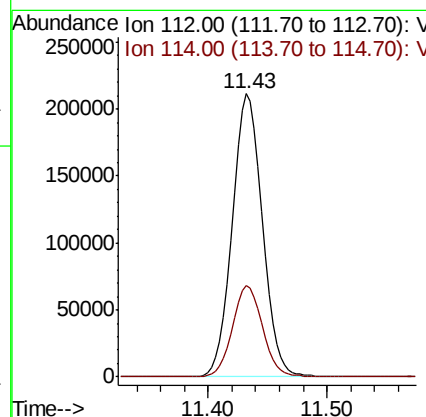
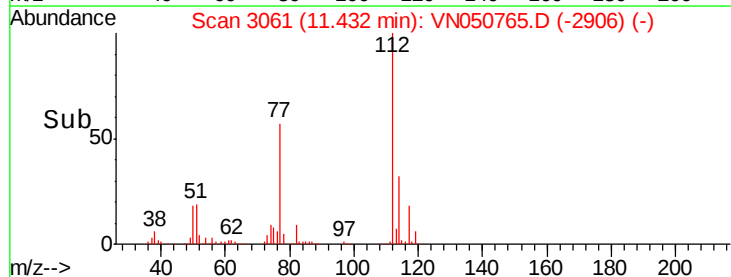
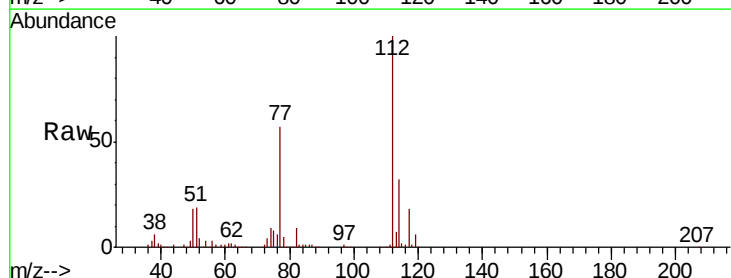
Acq: 20 Aug 2018 11:19

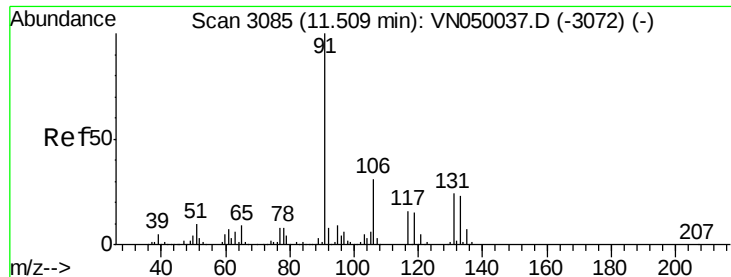
Tgt Ion: 112 Resp: 370685

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.68 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

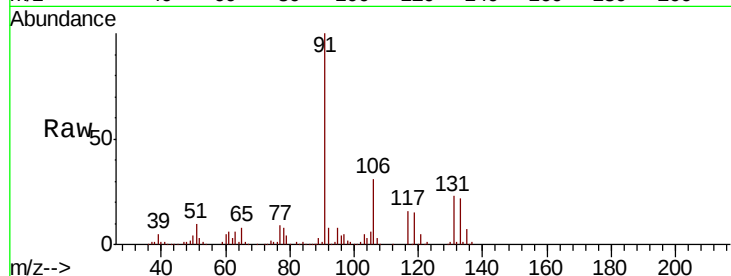
Tot Ion:131 Resp: 141348

Ion Ratio Lower Upper

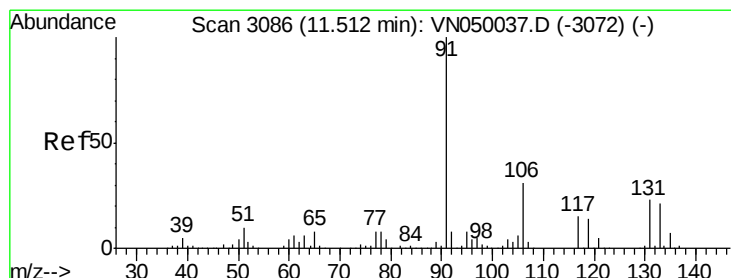
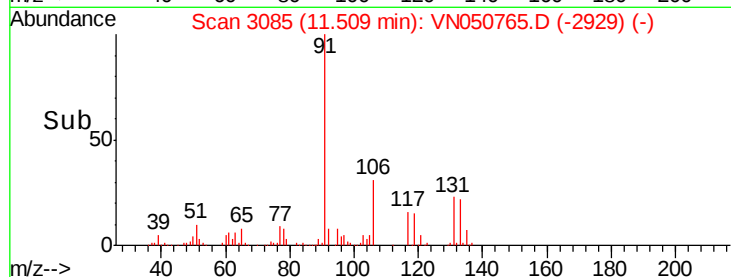
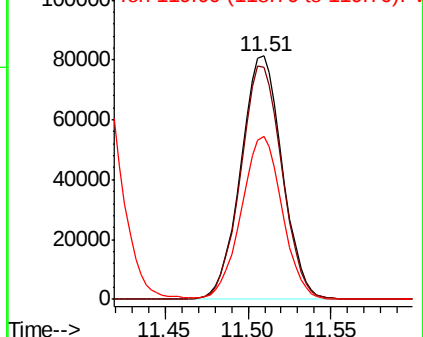
131 100

133 95.8 0.0 190.0

119 65.7 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.42 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050765.D

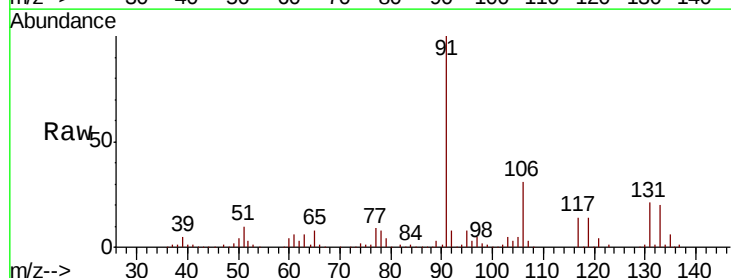
Acq: 20 Aug 2018 11:19

Tgt Ion: 91 Resp: 602244

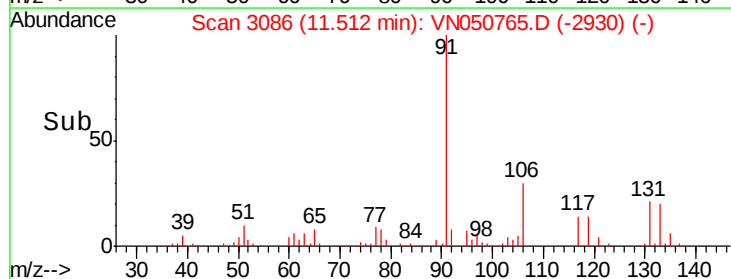
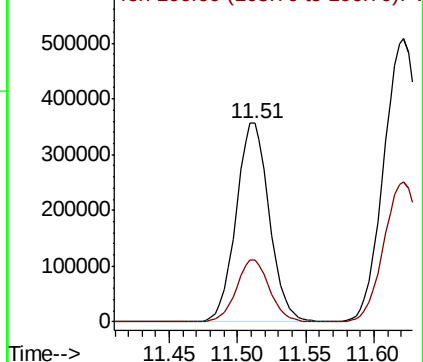
Ion Ratio Lower Upper

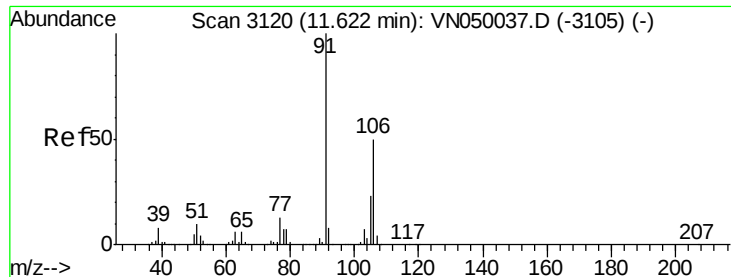
91 100

106 31.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.26 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

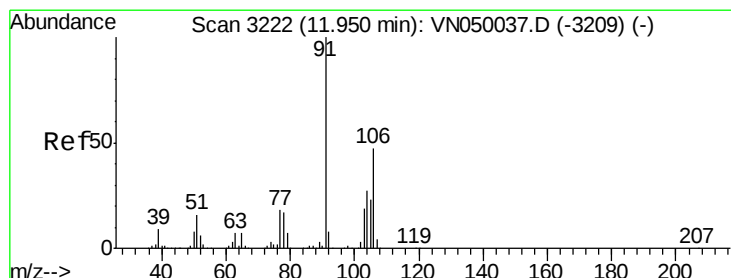
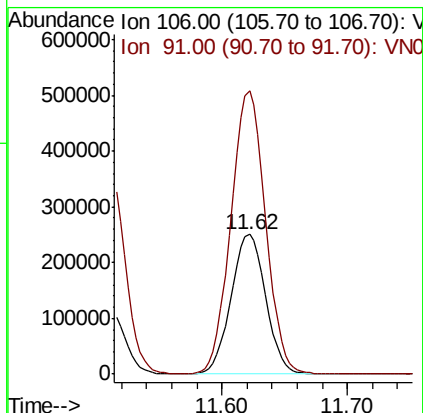
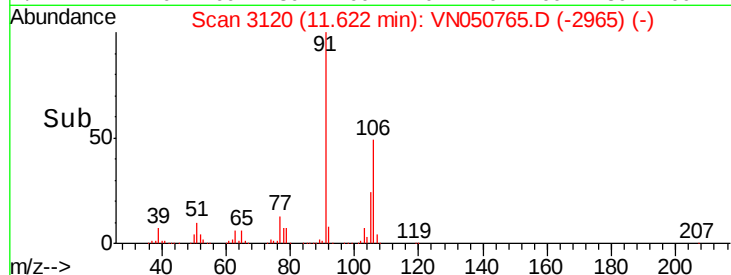
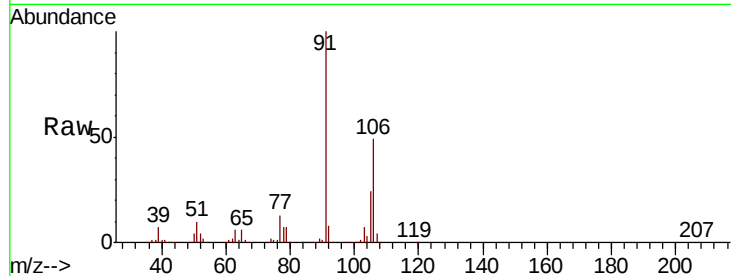
VN0820WBS01

Tot Ion:106 Resp: 481261

Ion Ratio Lower Upper

106 100

91 201.1 162.5 243.7



#68

o-Xylene

Concen: 19.06 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN050765.D

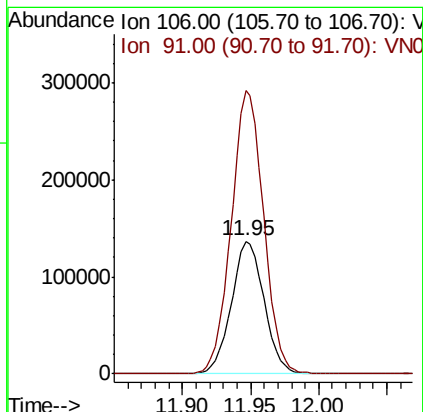
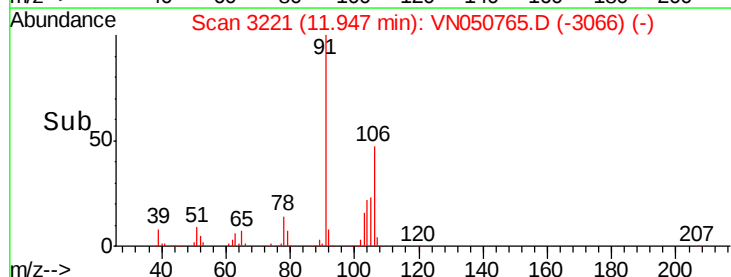
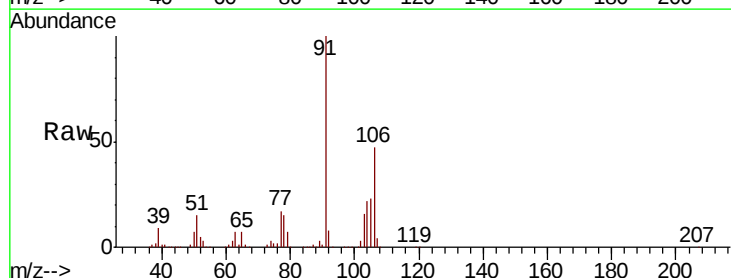
Acq: 20 Aug 2018 11:19

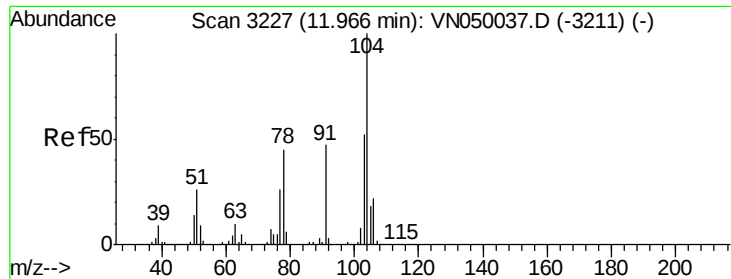
Tgt Ion:106 Resp: 228094

Ion Ratio Lower Upper

106 100

91 210.7 106.8 320.4

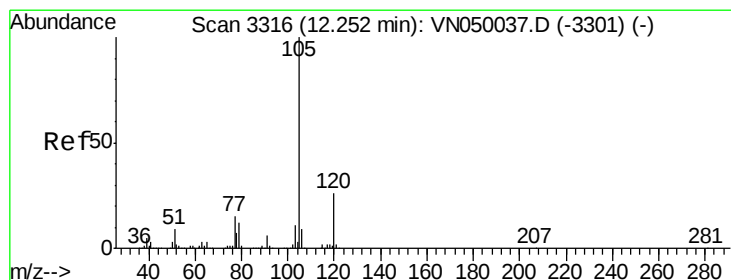
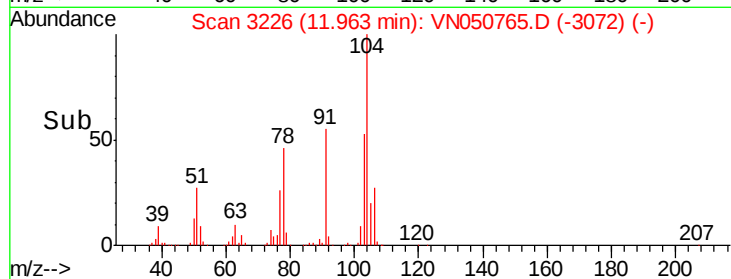
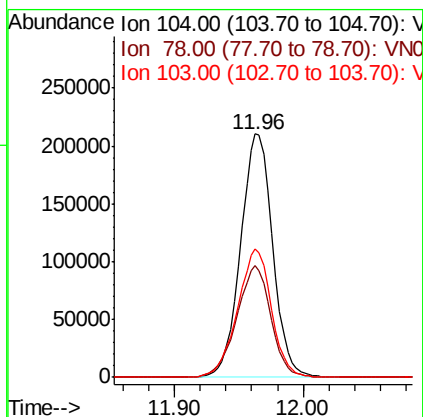
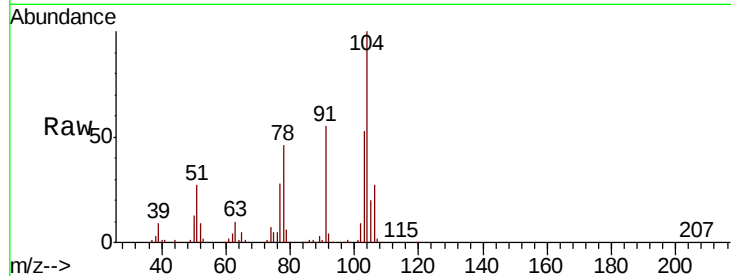




#69
Stvrene
Concen: 19.03 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

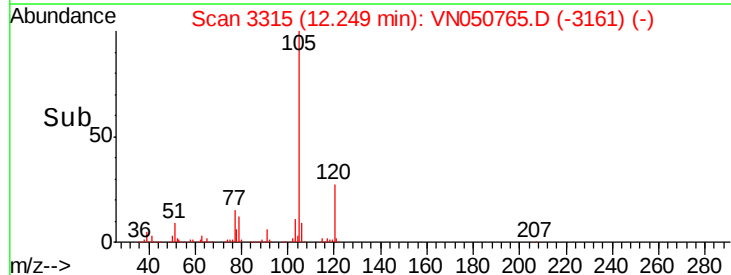
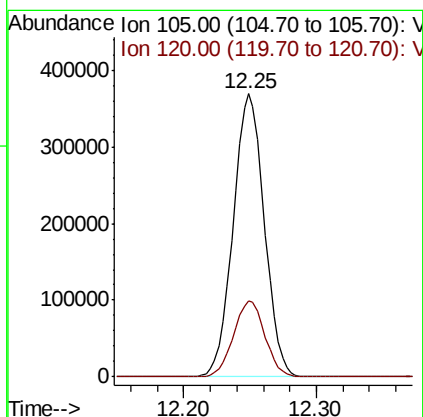
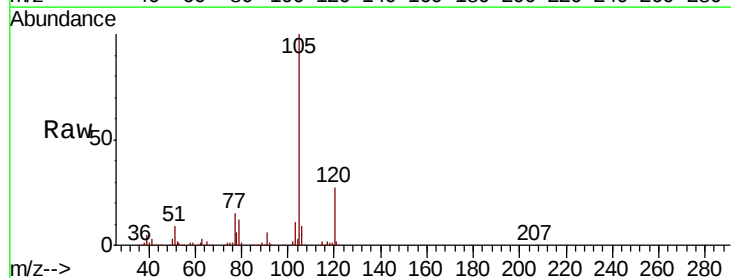
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

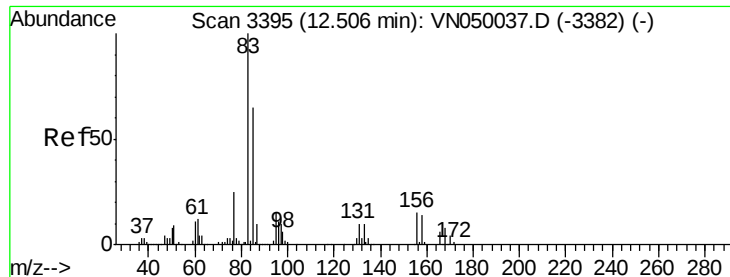
Tot Ion:104 Resp: 365092
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 55.6 44.5 66.7



#70
Isopropylbenzene
Concen: 18.79 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion:105 Resp: 599000
Ion Ratio Lower Upper
105 100
120 27.1 18.9 35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 17.48 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

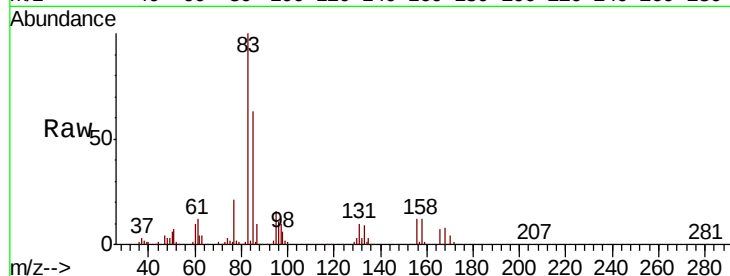
Tot Ion: 83 Resp: 152986

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

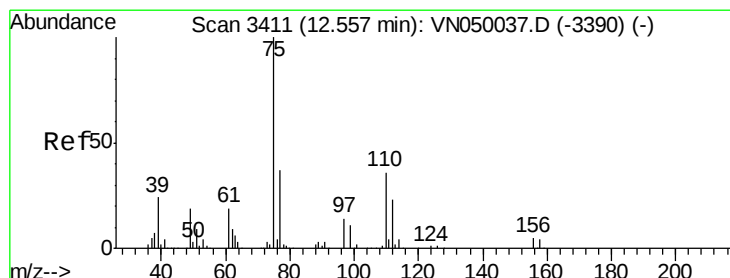
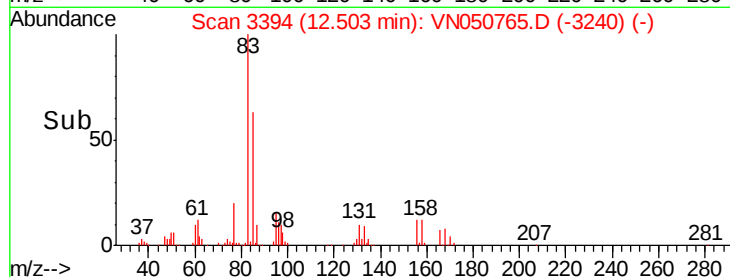
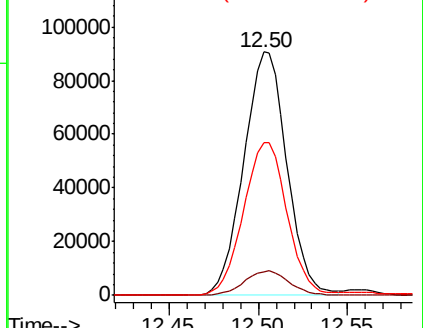
85 63.3 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 23.20 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050765.D

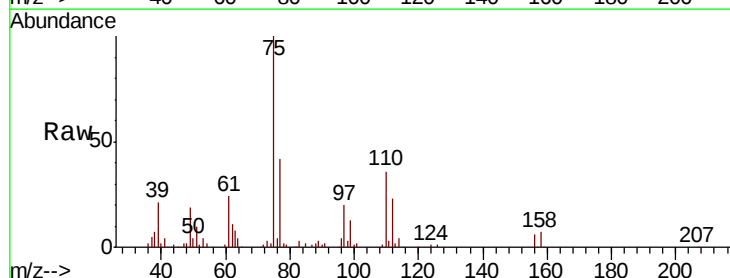
Acq: 20 Aug 2018 11:19

Tgt Ion: 75 Resp: 173413

Ion Ratio Lower Upper

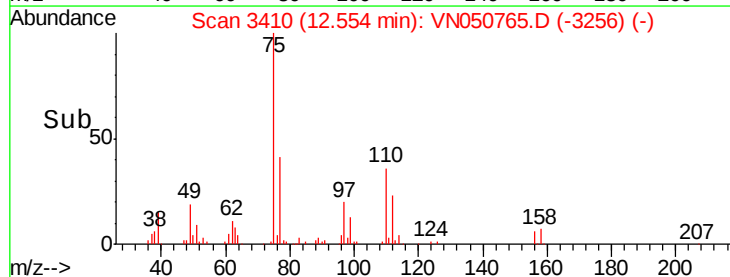
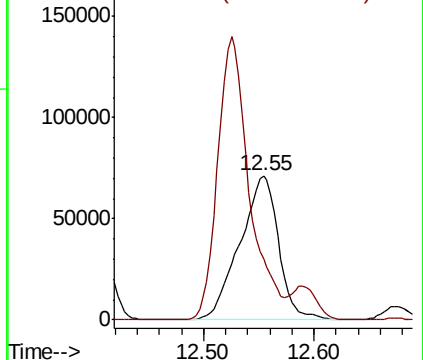
75 100

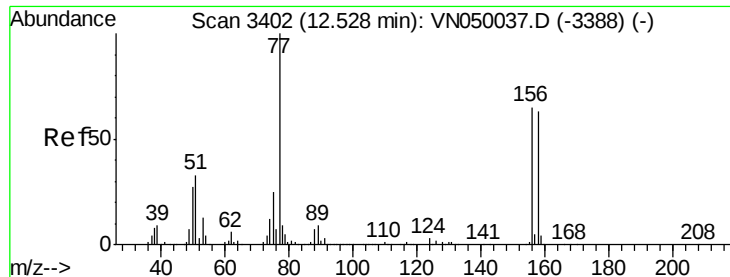
77 160.6 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

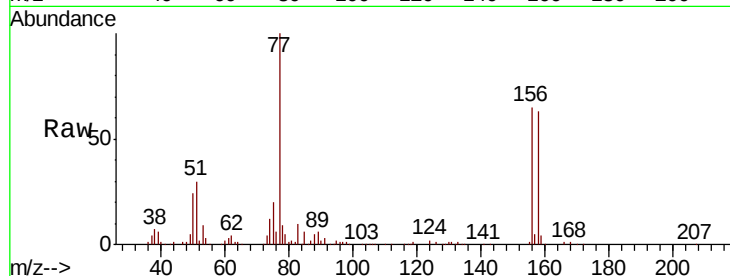




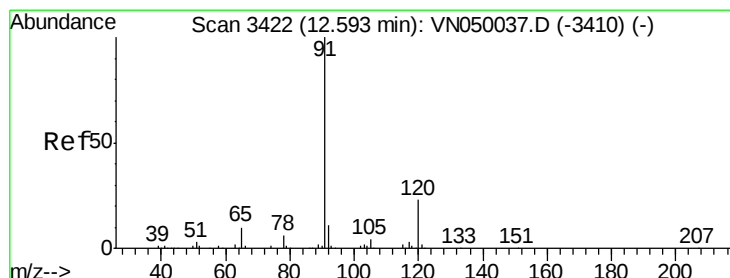
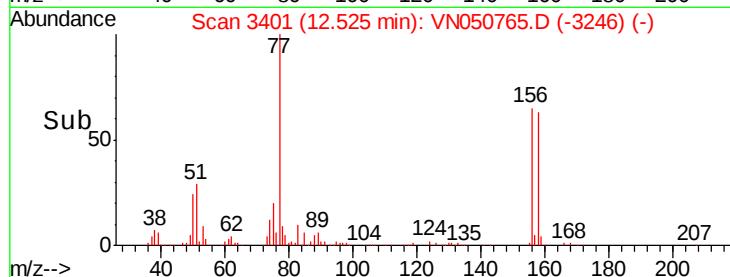
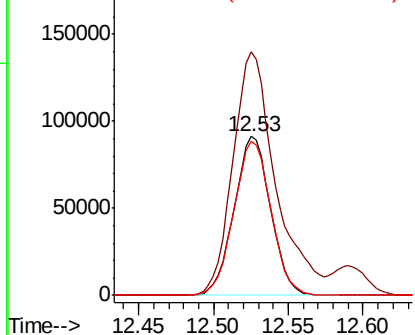
#73
Bromobenzene
Concen: 18.23 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion:156 Resp: 154784
Ion Ratio Lower Upper
156 100
77 179.9 0.0 359.8
158 98.6 0.0 192.8

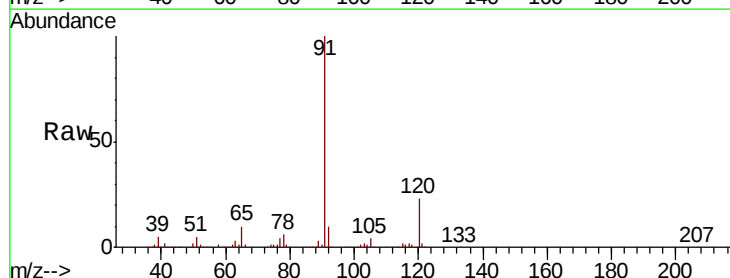


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

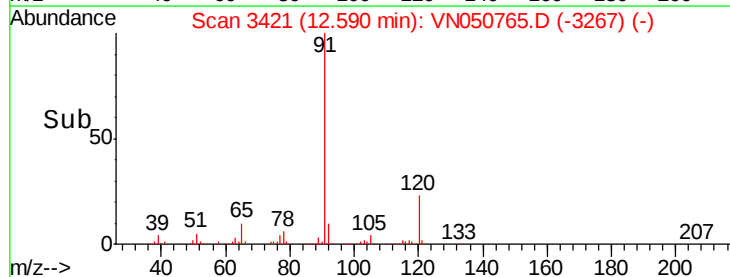
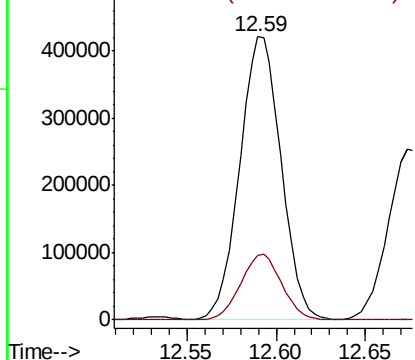


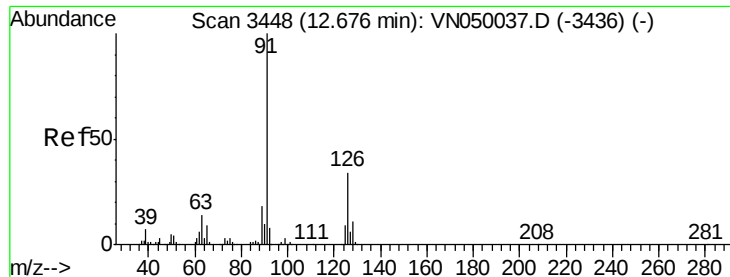
#74
n-propylbenzene
Concen: 18.41 ug/l
RT: 12.59 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 91 Resp: 683535
Ion Ratio Lower Upper
91 100
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.82 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

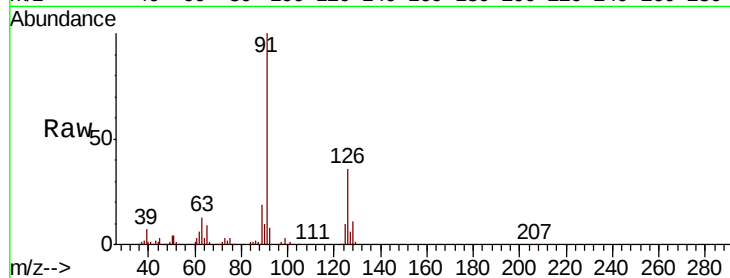
VN0820WBS01

Tot Ion: 91 Resp: 419606

Ion Ratio Lower Upper

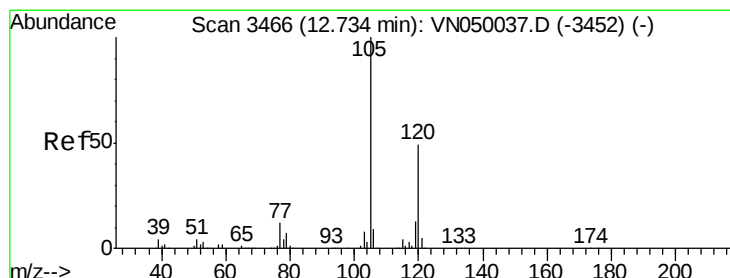
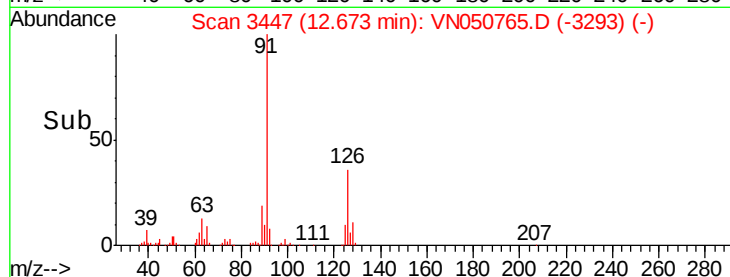
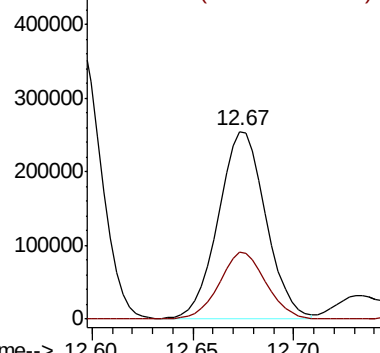
91 100

126 35.2 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050765.D

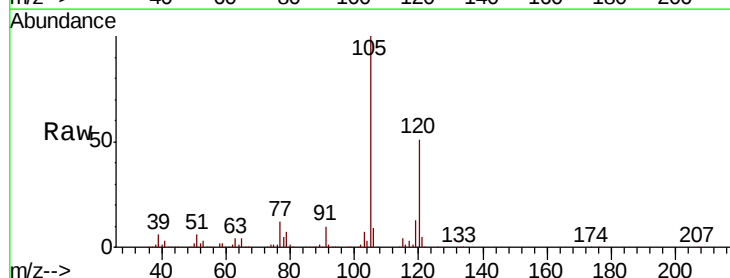
Acq: 20 Aug 2018 11:19

Tgt Ion:105 Resp: 498098

Ion Ratio Lower Upper

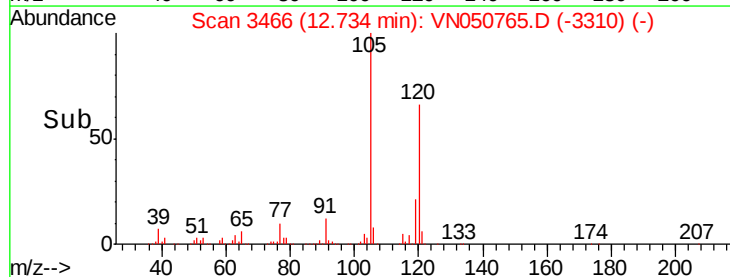
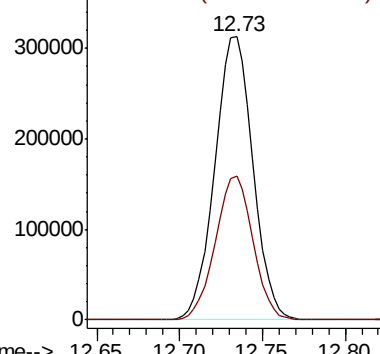
105 100

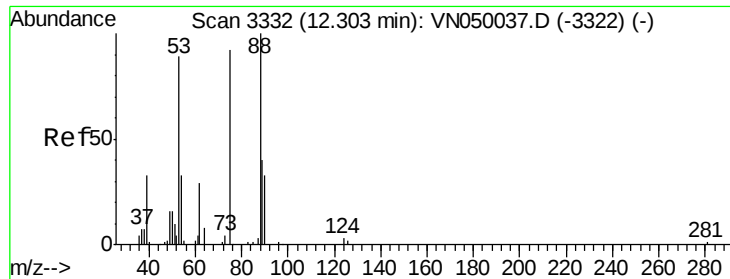
120 50.3 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

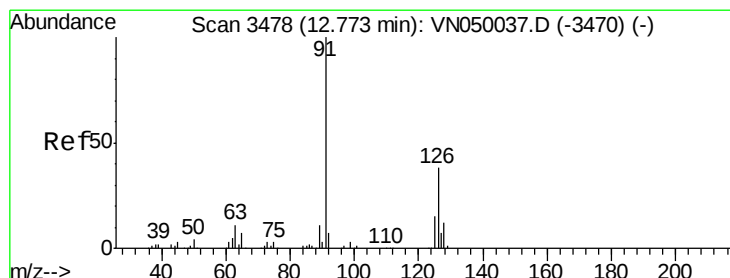
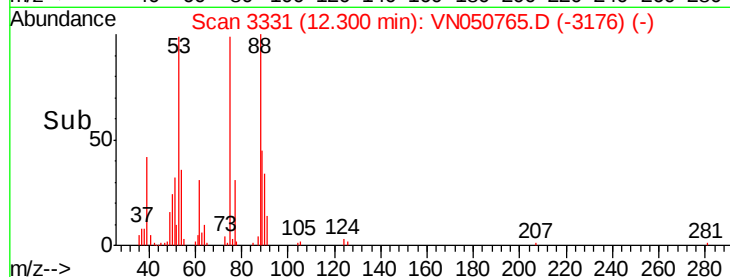
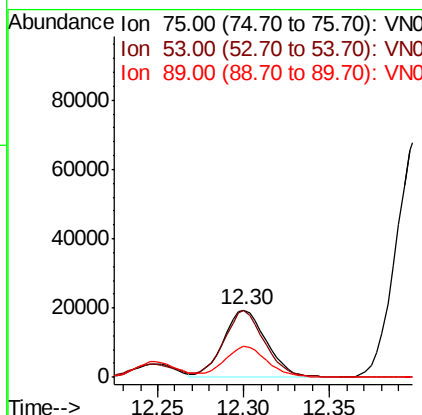
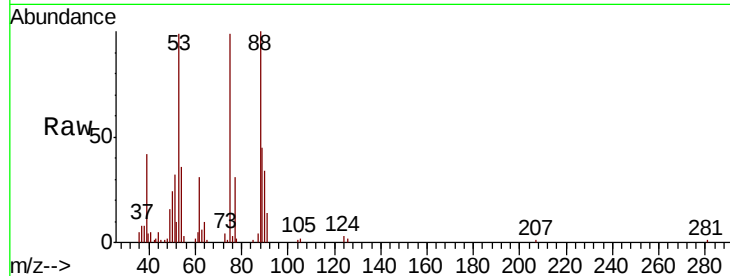




#77
t-1,4-Dichloro-2-butene
Concen: 13.87 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

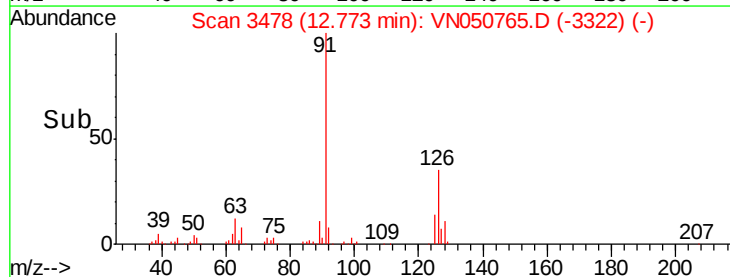
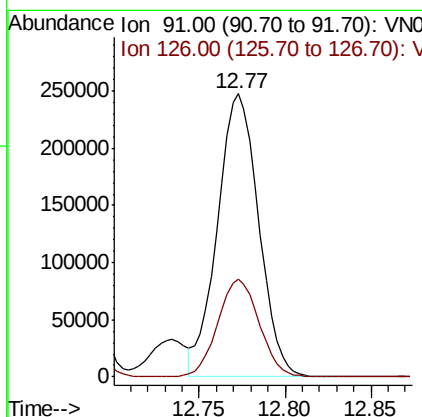
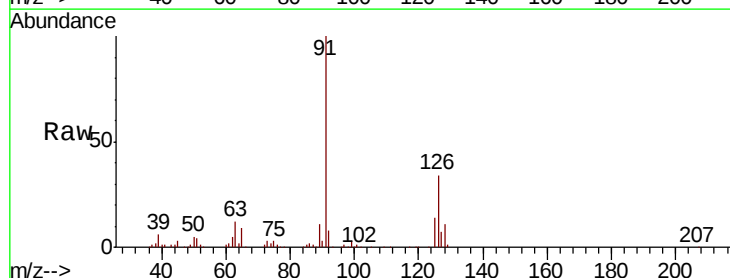
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

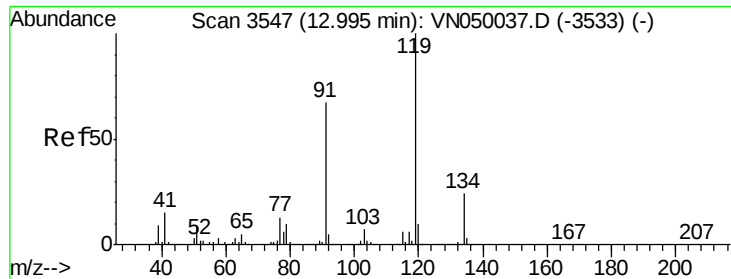
Tot Ion: 75 Resp: 33890
Ion Ratio Lower Upper
75 100
53 99.6 44.6 134.0
89 45.6 20.7 62.1



#78
4-Chlorotoluene
Concen: 18.65 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 91 Resp: 412077
Ion Ratio Lower Upper
91 100
126 34.6 0.0 68.4

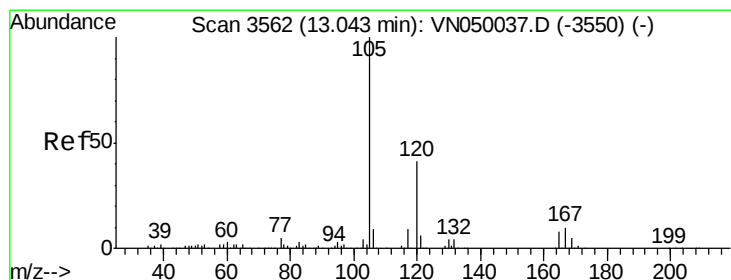
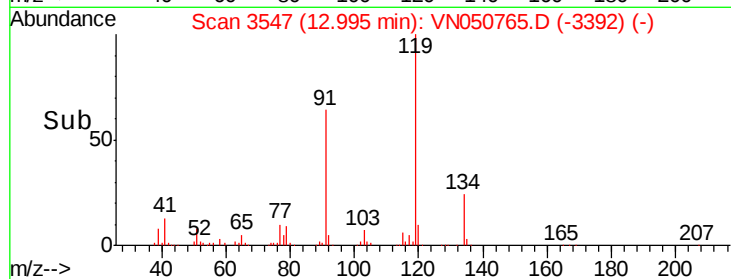
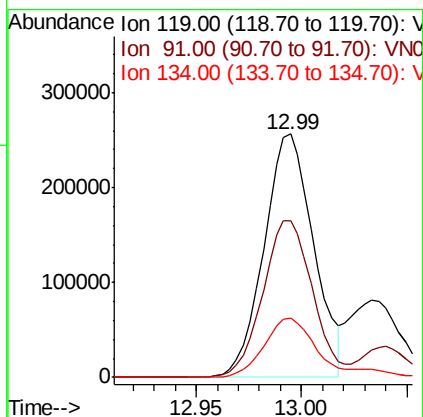
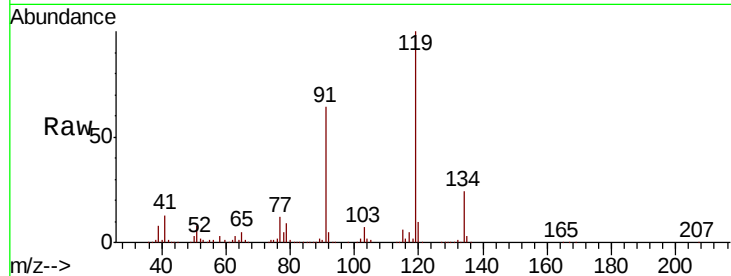




#79
tert-butylbenzene
Concen: 18.72 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

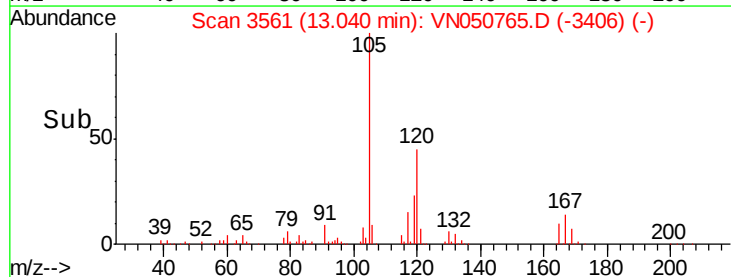
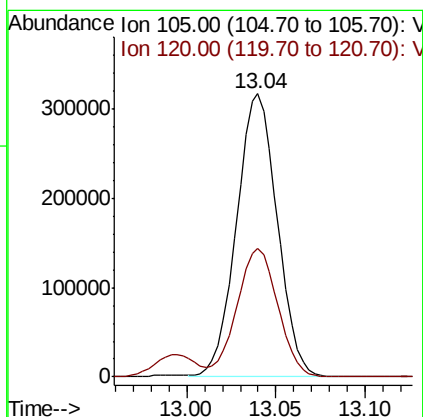
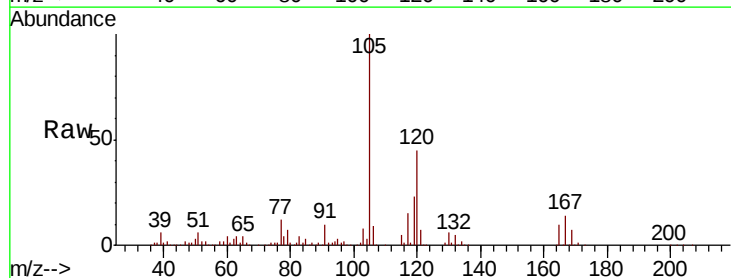
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

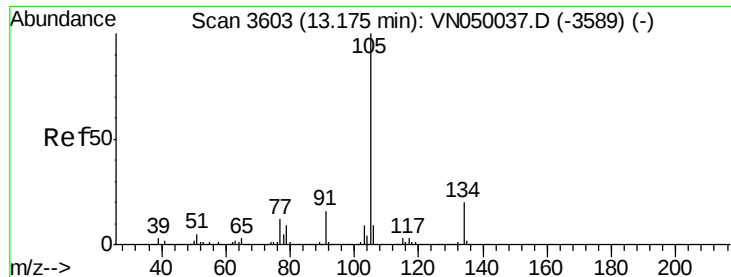
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	0.0	126.8
134	24.5	0.0	47.4



#80
1,2,4-Trimethylbenzene
Concen: 19.11 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	0.0	90.6

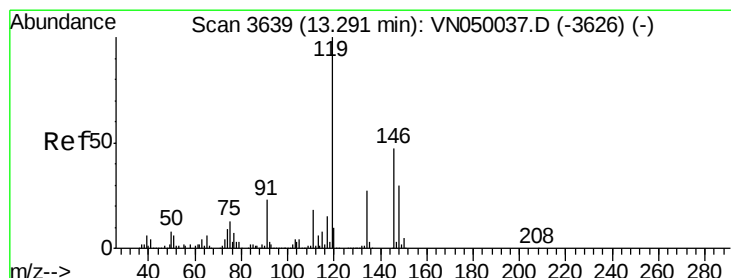
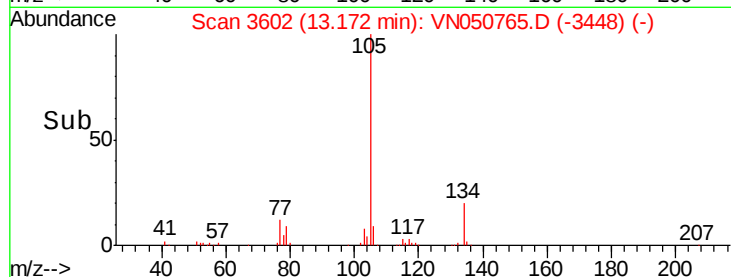
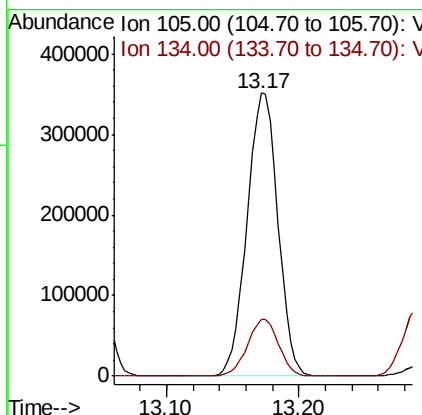
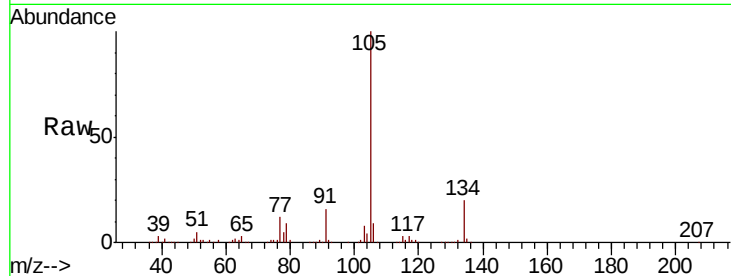




#81
 sec-Butylbenzene
 Concen: 18.69 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

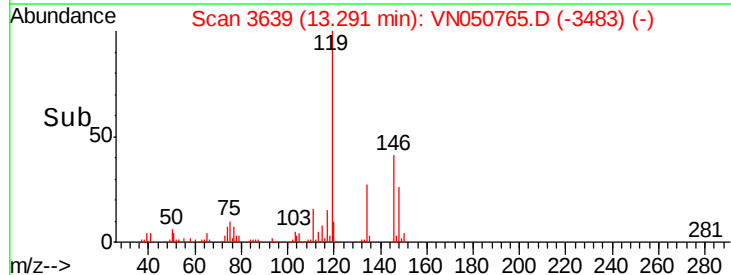
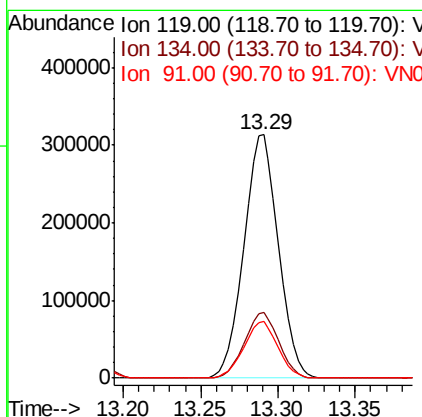
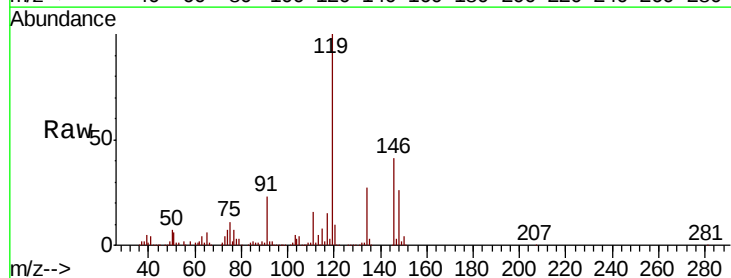
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

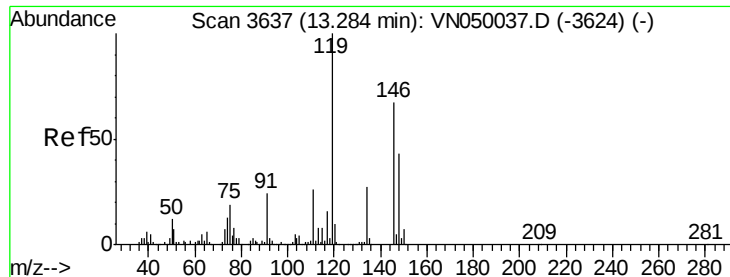
Tot Ion:105 Resp: 568320
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 18.70 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion:119 Resp: 485195
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.2
 91 22.9 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 17.82 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

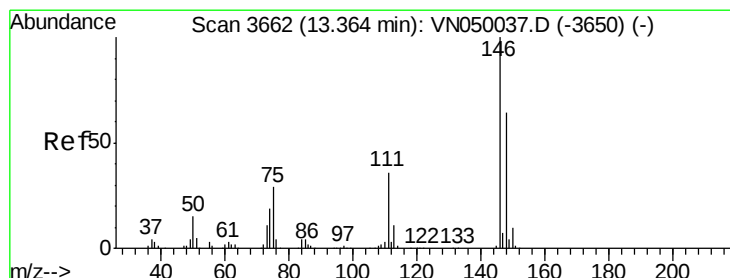
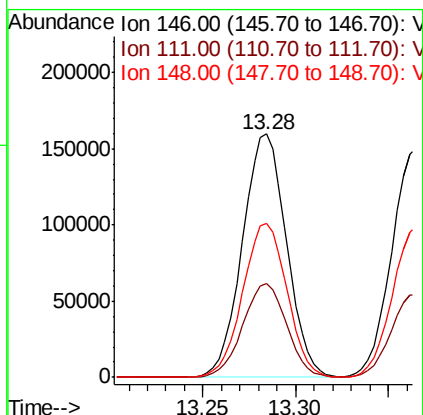
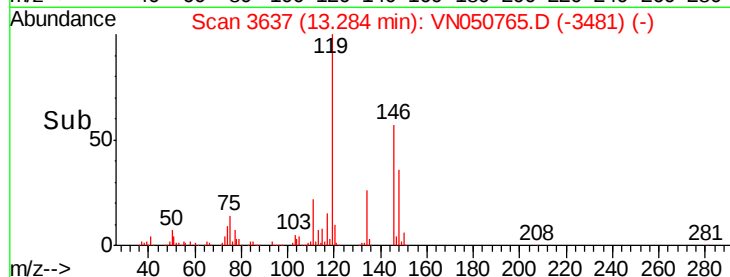
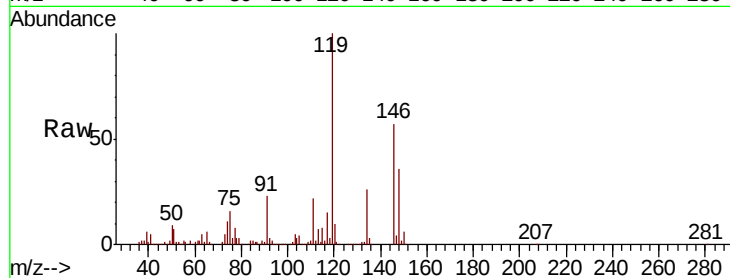
Tot Ion:146 Resp: 263430

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.1

148 63.5 31.9 95.9



#84

1,4-Dichlorobenzene

Concen: 17.67 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

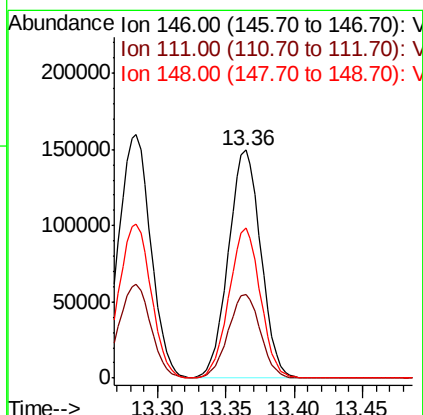
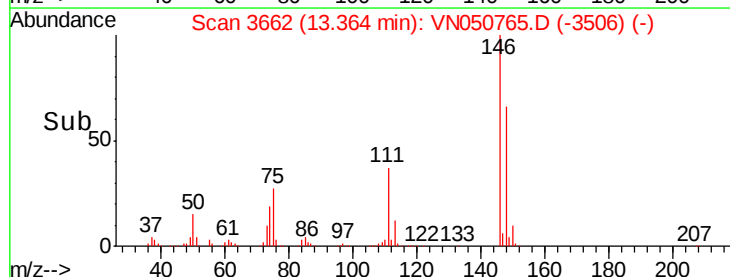
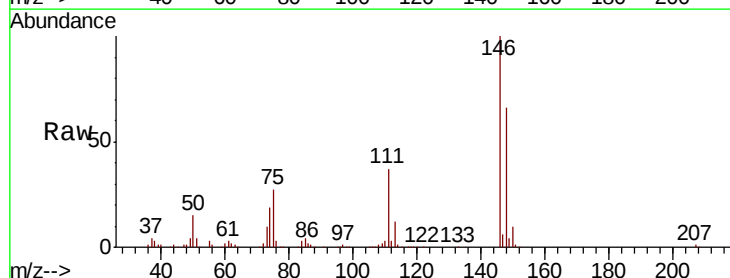
Tgt Ion:146 Resp: 246857

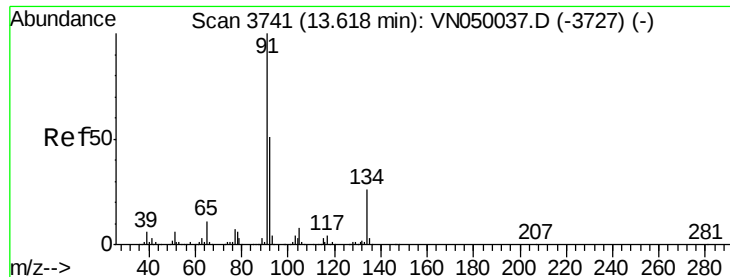
Ion Ratio Lower Upper

146 100

111 36.6 17.9 53.8

148 63.8 32.4 97.0

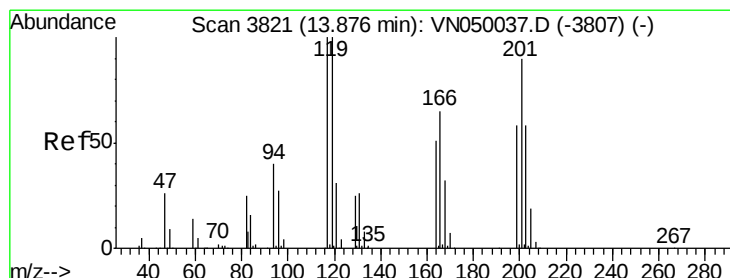
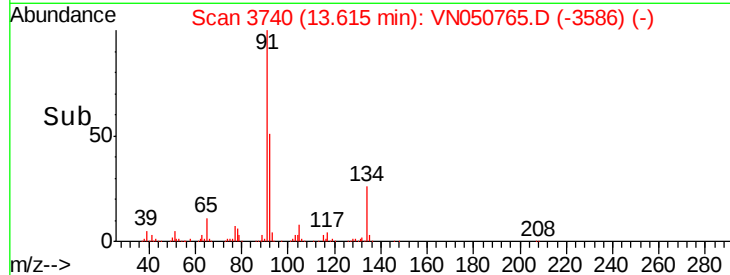
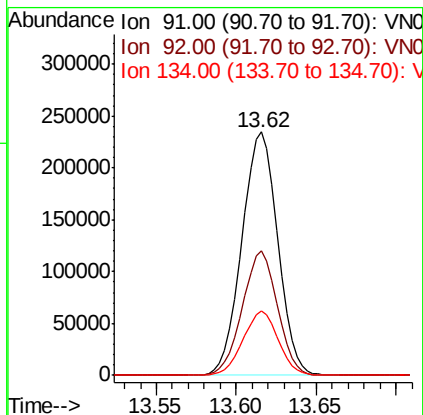
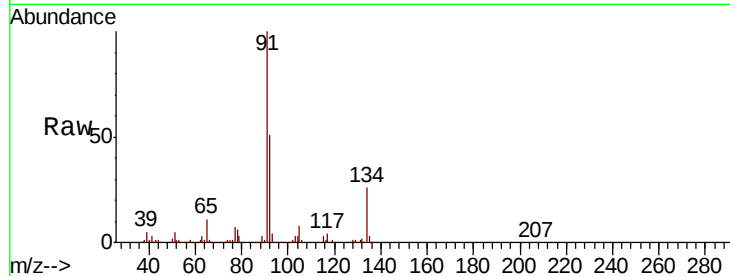




#85
n-Butylbenzene
Concen: 17.06 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

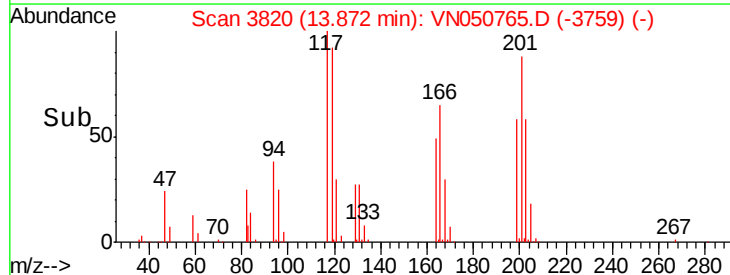
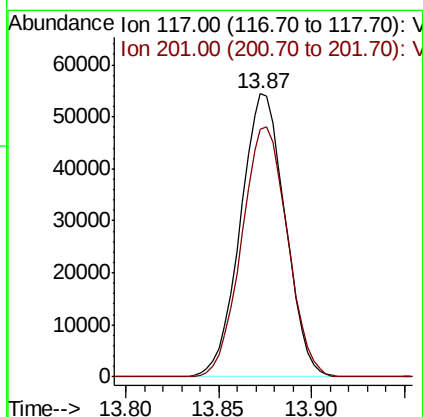
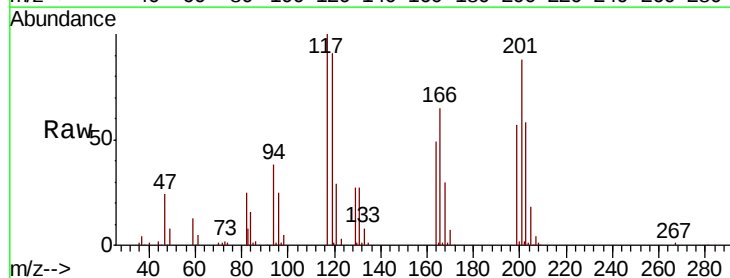
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

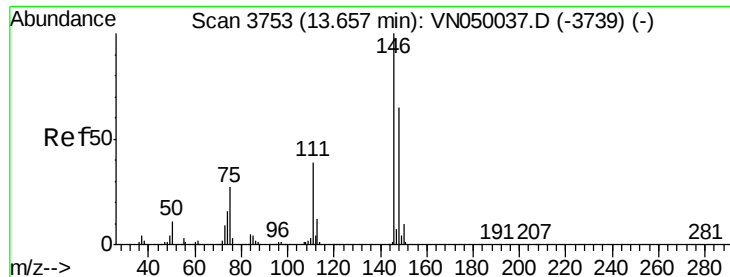
Tot Ion: 91 Resp: 359319
Ion Ratio Lower Upper
91 100
92 49.9 0.0 102.8
134 25.9 0.0 51.0



#86
Hexachloroethane
Concen: 17.60 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 117 Resp: 91253
Ion Ratio Lower Upper
117 100
201 90.1 46.6 139.7





#87

1,2-Dichlorobenzene

Concen: 17.92 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

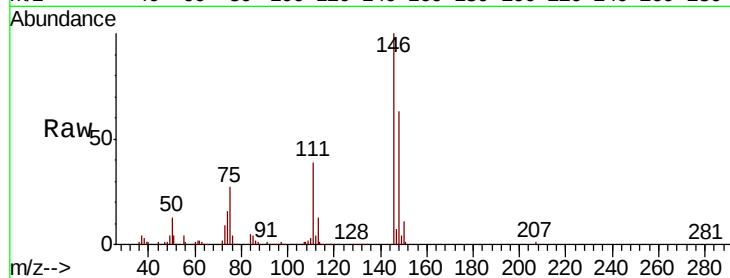
Tot Ion:146 Resp: 258956

Ion Ratio Lower Upper

146 100

111 38.8 19.8 59.3

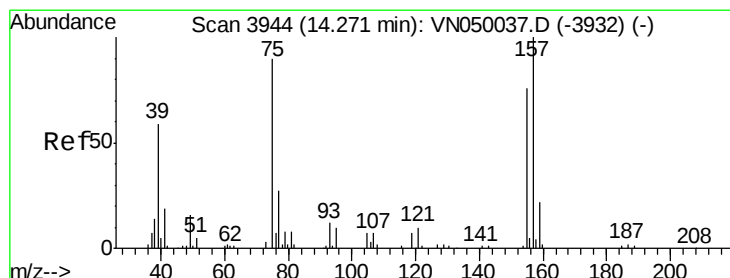
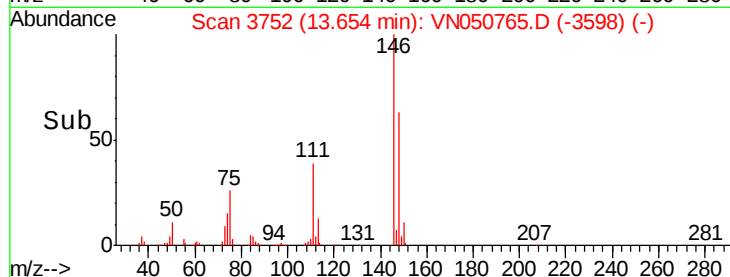
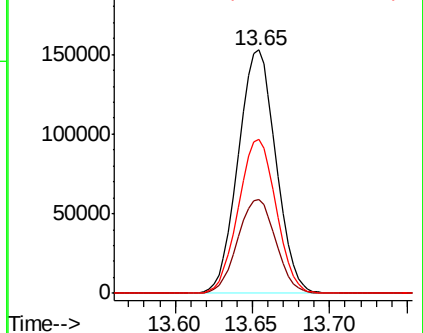
148 63.3 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 13.75 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

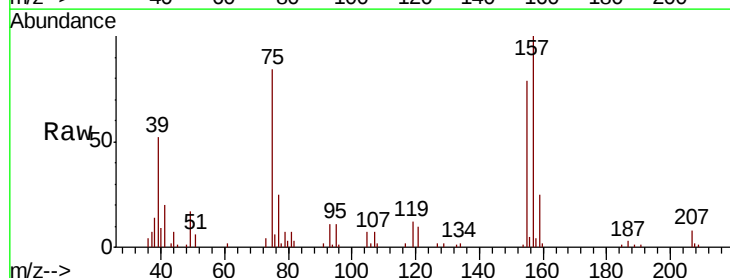
Tgt Ion: 75 Resp: 18747

Ion Ratio Lower Upper

75 100

155 93.7 73.0 109.6

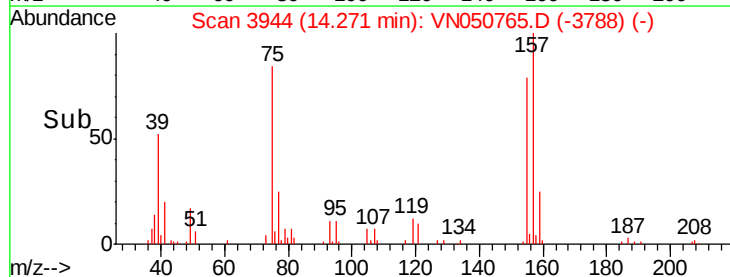
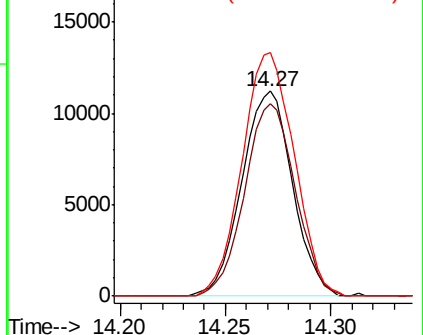
157 122.3 94.9 142.3

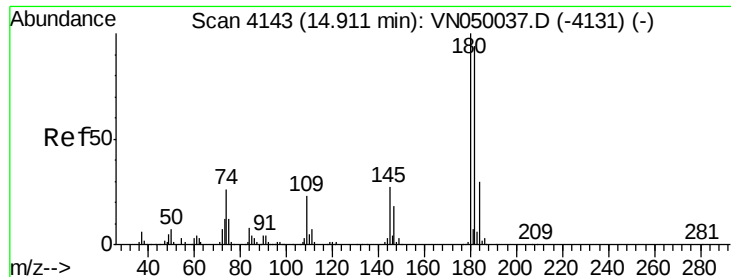


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

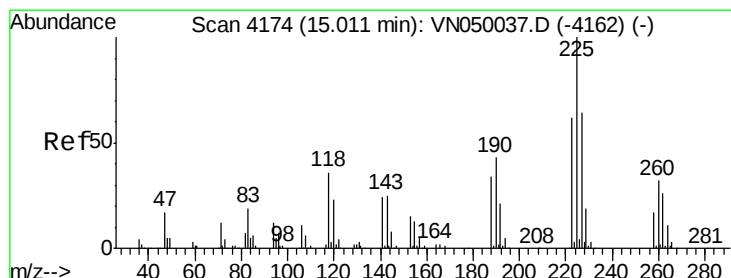
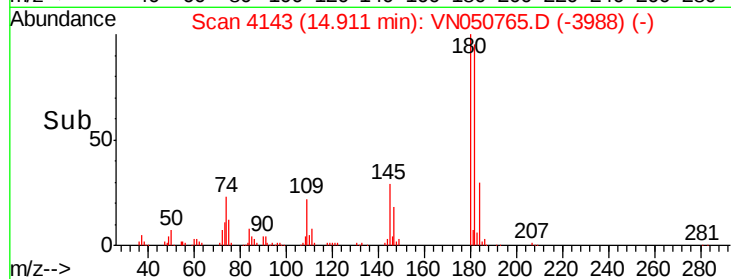
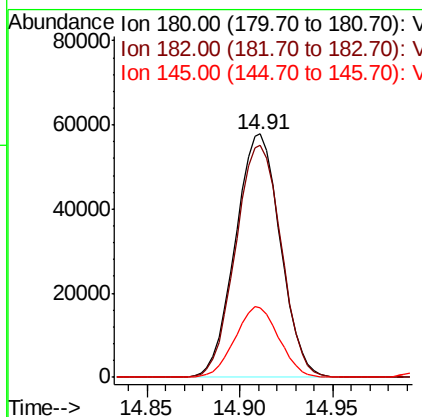
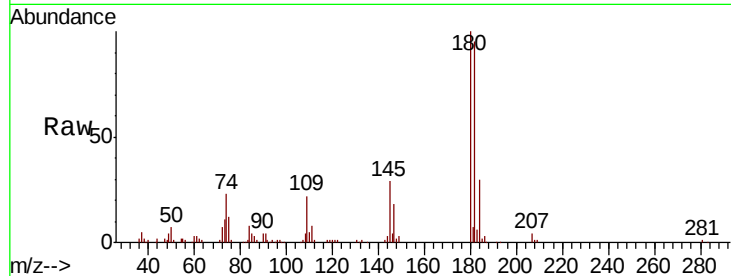




#89
 1,2,4-Trichlorobenzene
 Concen: 14.18 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

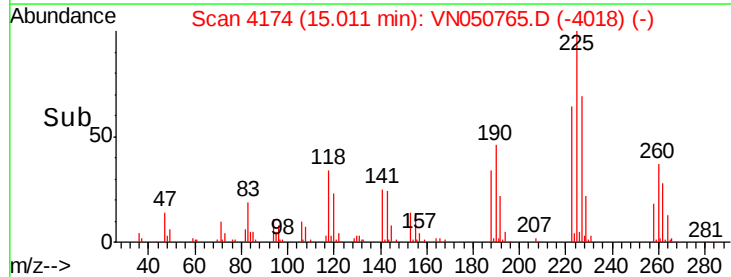
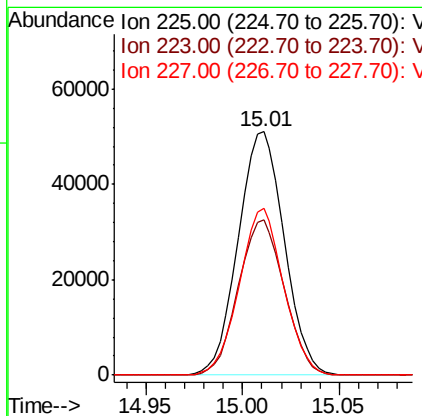
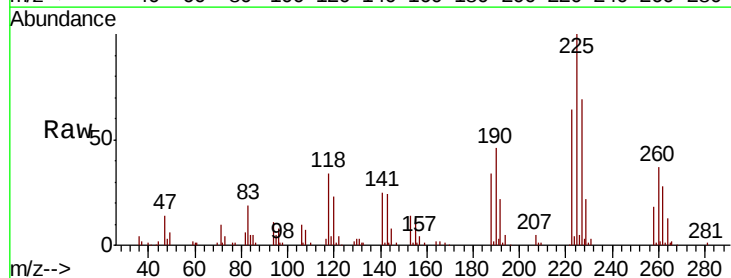
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

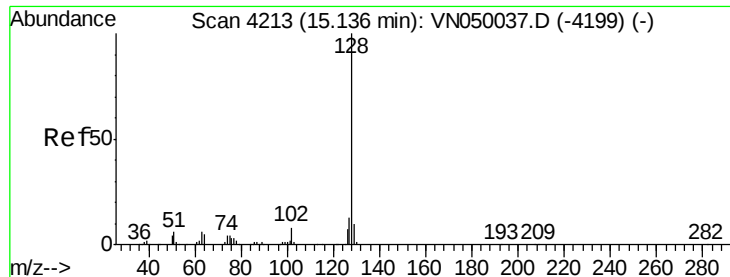
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
145	28.1	23.4	35.0



#90
 Hexachlorobutadiene
 Concen: 18.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	124.4
227	65.8	0.0	133.0





#91

Naphthalene

Concen: 15.76 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

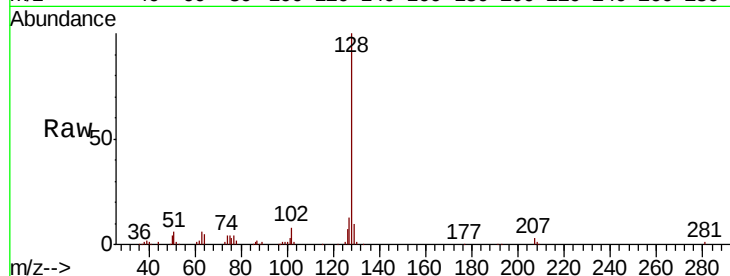
Tot Ion:128 Resp: 175700

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

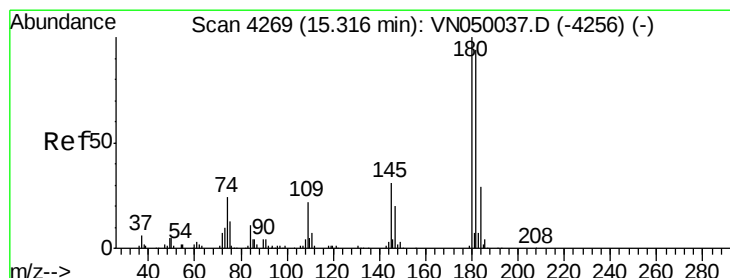
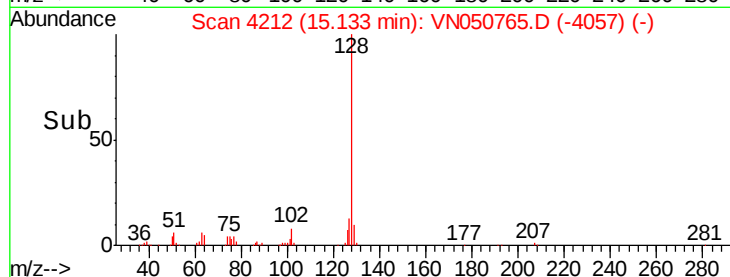
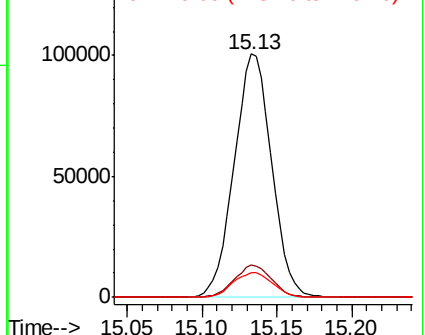
129 10.7 9.0 13.4



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



#92

1,2,3-Trichlorobenzene

Concen: 14.10 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

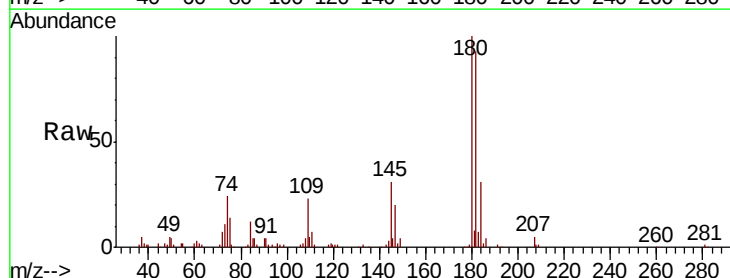
Tgt Ion:180 Resp: 98979

Ion Ratio Lower Upper

180 100

182 96.1 0.0 188.8

145 29.9 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

