

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050767.D
 Acq On : 20 Aug 2018 12:08
 Operator : MD\SY
 Sample : VN0820WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

Quant Time: Aug 21 02:36:55 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	114534	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	616062	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	546874	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227745	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.40	95	250254	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	10.09	98	791705	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	122591	15.53	ug/l	97
3) Chloromethane	2.06	50	164948	20.27	ug/l	100
4) Vinyl Chloride	2.18	62	165583	19.11	ug/l	99
5) Bromomethane	2.57	94	94007	17.80	ug/l	99
6) Chloroethane	2.70	64	100624	19.64	ug/l	96
7) Trichlorofluoromethane	3.01	101	215209	19.01	ug/l	98
8) Diethyl Ether	3.41	74	73282	19.30	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137777	20.01	ug/l	99
10) 1,1-Dichloroethene	3.74	96	122498	20.06	ug/l	95
11) Methyl Iodide	3.95	142	77727	8.65	ug/l	98
12) Methyl Acetate	4.33	43	116420	16.64	ug/l	98
13) Acrolein	3.61	56	35624	82.40	ug/l	97
14) Acrylonitrile	5.00	53	218926	93.79	ug/l	97
15) Acetone	3.82	58	66114	106.58	ug/l	82
16) Carbon Disulfide	4.05	76	355412	19.02	ug/l	100
17) Allyl chloride	4.32	41	189482	19.65	ug/l	95
18) Methylene Chloride	4.55	84	149268	21.18	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	132259	20.23	ug/l	94
20) Diisopropyl ether	5.96	45	422679	21.38	ug/l	99
21) 1,1-Dichloroethane	5.85	63	257103	20.68	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	146926	20.26	ug/l	98
23) tert-Butyl Alcohol	4.79	59	41393	79.36	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	318198	19.11	ug/l	99
25) Chloroform	7.37	83	258710	20.55	ug/l	98
26) Cyclohexane	7.66	56	200938	20.34	ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	189763	19.85	ug/l	99
30) 2-Butanone	6.84	43	297781	99.26	ug/l	98
31) 2,2-Dichloropropane	6.83	77	203041	19.21	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	214545	19.06	ug/l	99
33) Carbon Tetrachloride	7.77	117	191076	19.05	ug/l	99
34) Benzene	8.04	78	582320	20.06	ug/l	99
35) Methacrylonitrile	7.18	41	52531	15.38	ug/l	97
36) 1,2-Dichloroethane	8.13	62	181370	19.02	ug/l	100
37) Trichloroethene	8.84	130	152432	20.02	ug/l	95
38) Methylcyclohexane	9.08	83	187888	18.64	ug/l	99
39) 1,2-Dichloropropane	9.12	63	155916	20.38	ug/l	97
40) Dibromomethane	9.21	93	90576	19.16	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	195481	19.60	ug/l	98
42) Vinyl Acetate	5.90	43	1296541	91.84	ug/l	100
43) Ethyl Acetate	6.93	43	95115	15.18	ug/l	95
44) Isopropyl Acetate	8.17	43	189216	16.30	ug/l	98
45) 1,4-Dioxane	9.20	88	25719	336.78	ug/l	93
46) Methyl methacrylate	9.20	41	91416	16.25	ug/l	99
47) n-amyl Acetate	12.07	43	145705	16.13	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	184768	19.44	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	217174	19.45	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	131033	19.31	ug/l	97
51) Ethyl methacrylate	10.43	69	142909	17.35	ug/l	98
52) 1,3-Dichloropropane	10.71	76	214517	19.25	ug/l	99
53) Dibromochloromethane	10.90	129	147298	19.13	ug/l	100
54) 1,2-Dibromoethane	11.01	107	121614	18.30	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	339630	91.11	ug/l	99
56) Bromoform	12.13	173	96718	17.79	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	682433	107.24	ug/l	99
59) 2-Hexanone	10.75	43	427147	98.39	ug/l	100
61) Tetrachloroethene	10.63	164	141997	19.17	ug/l	100
62) Toluene	10.16	91	628886	20.16	ug/l	100
64) Chlorobenzene	11.44	112	382788	20.23	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	146670	19.87	ug/l	99
66) Ethyl Benzene	11.51	91	627717	19.69	ug/l	100
67) m/p-Xylenes	11.62	106	500378	40.78	ug/l	99
68) o-Xylene	11.95	106	237746	20.36	ug/l	99
69) Styrene	11.96	104	375958	20.09	ug/l	99
70) Isopropylbenzene	12.25	105	630074	20.26	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	160071	18.75	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	179929	24.68	ug/l	60
73) Bromobenzene	12.53	156	160064	19.32	ug/l	98
74) n-propylbenzene	12.59	91	705523	19.48	ug/l	99
75) 2-Chlorotoluene	12.68	91	439606	20.21	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	522091	20.44	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	35176	14.76	ug/l	96
78) 4-Chlorotoluene	12.77	91	424527	19.70	ug/l	99
79) tert-butylbenzene	12.99	119	436037	19.97	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	519623	20.08	ug/l	98
81) sec-Butylbenzene	13.17	105	577611	19.47	ug/l	100
82) p-Isopropyltoluene	13.29	119	495024	19.56	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	270996	18.79	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	254476	18.67	ug/l	99
85) n-Butylbenzene	13.62	91	358526	17.46	ug/l	99
86) Hexachloroethane	13.87	117	91739	18.14	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	271530	19.26	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20533	15.44	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	100084	14.86	ug/l	99
90) Hexachlorobutadiene	15.01	225	83989	18.92	ug/l	98
91) Naphthalene	15.13	128	188633	16.58	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	104046	15.19	ug/l	99

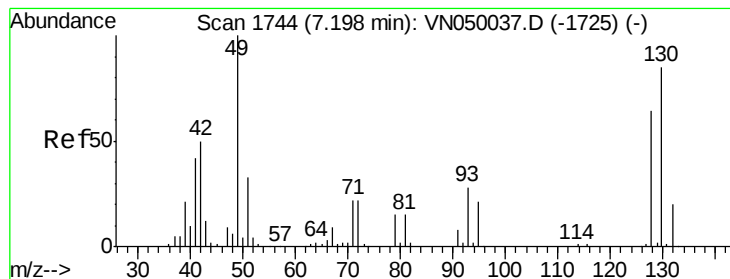
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

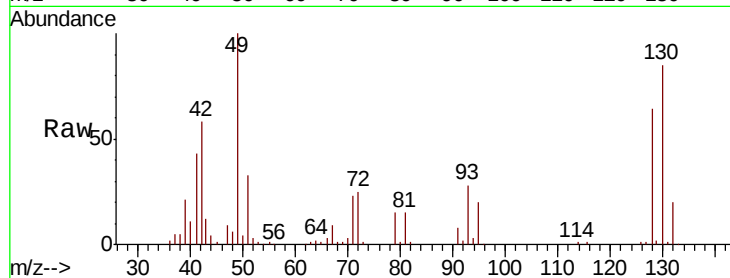
Tot Ion:128 Resp: 114534

Ion Ratio Lower Upper

128 100

49 154.9 0.0 378.3

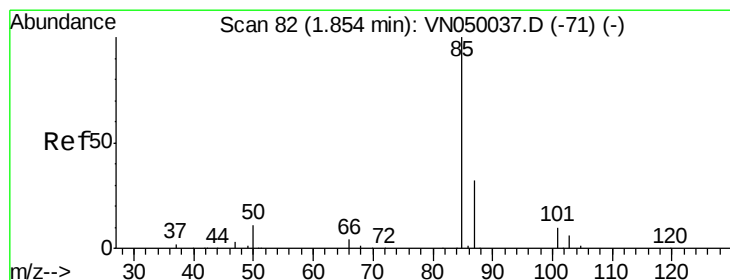
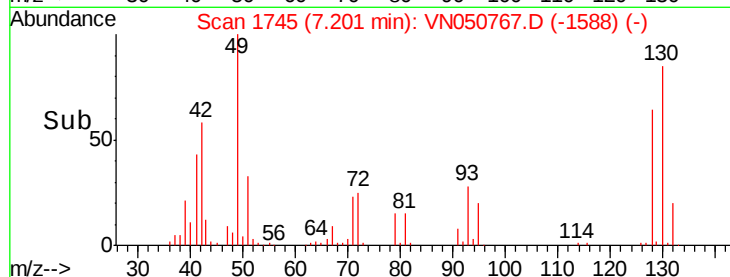
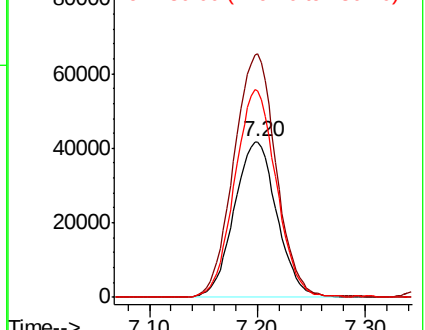
130 130.4 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.53 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050767.D

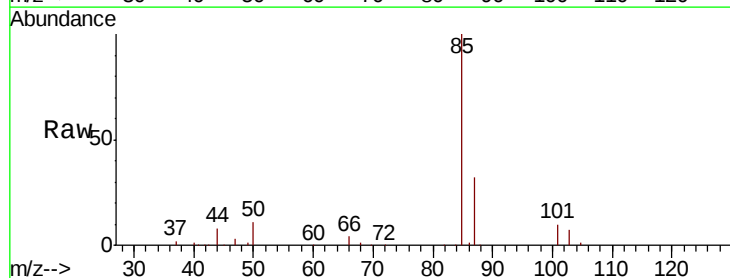
Acq: 20 Aug 2018 12:08

Tgt Ion: 85 Resp: 122591

Ion Ratio Lower Upper

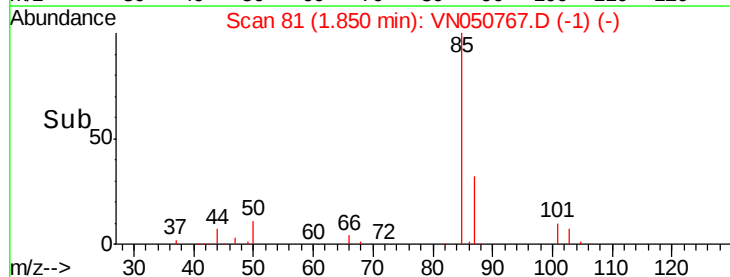
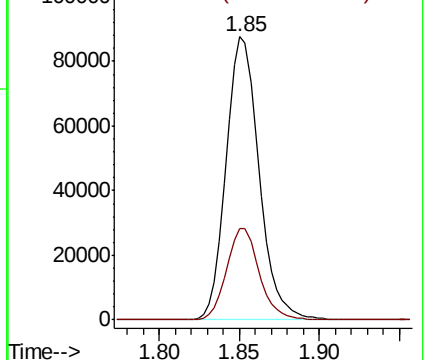
85 100

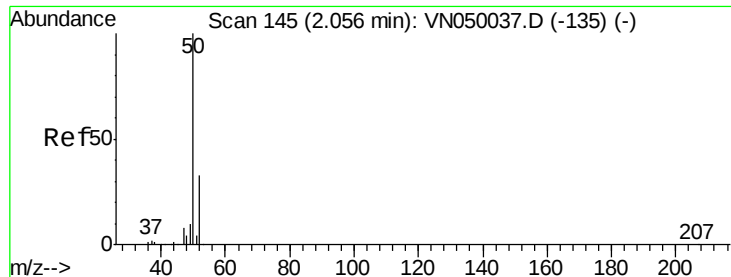
87 32.4 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampled :

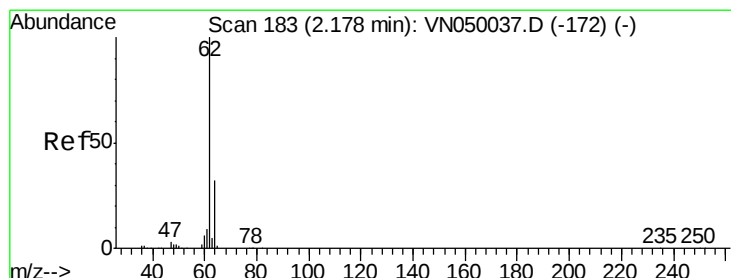
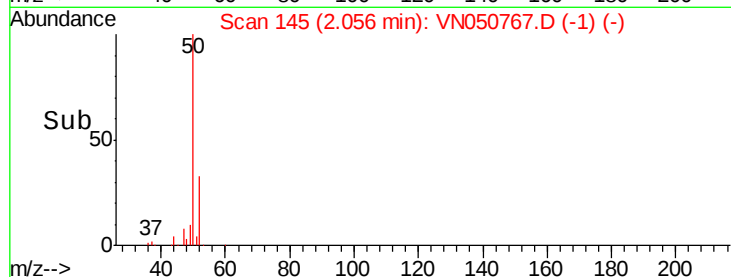
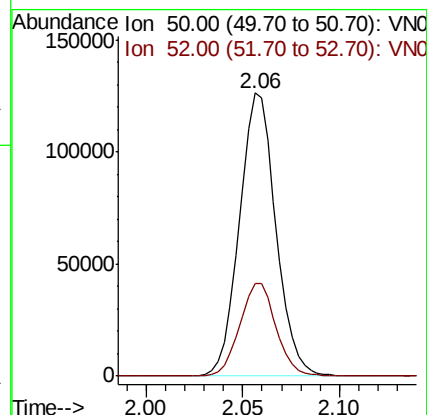
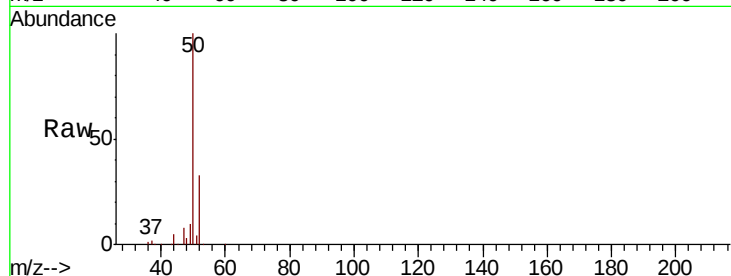
VN0820WBSD01

Tot Ion: 50 Resp: 164948

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 19.11 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050767.D

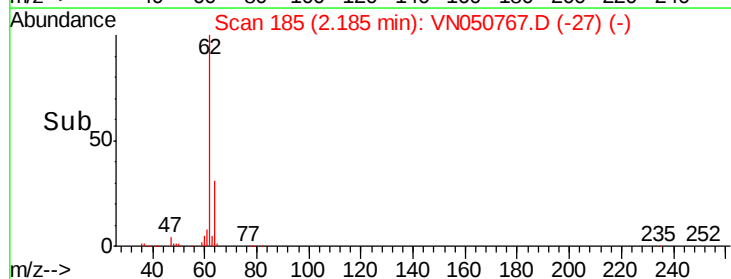
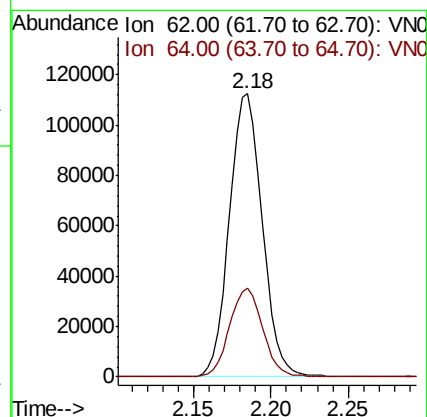
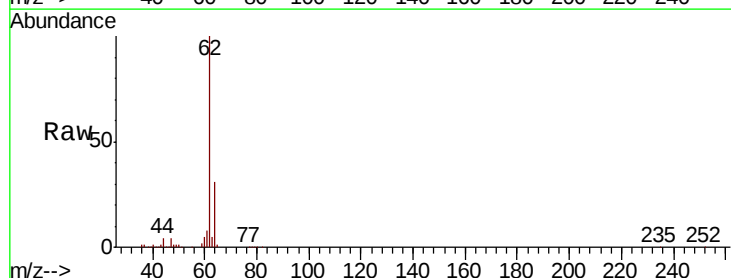
Acq: 20 Aug 2018 12:08

Tgt Ion: 62 Resp: 165583

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 17.80 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

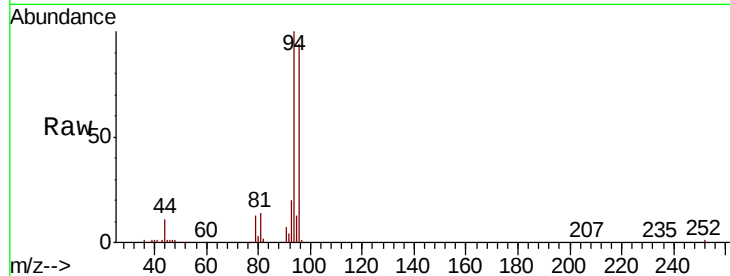
VN0820WBSD01

Tot Ion: 94 Resp: 94007

Ion Ratio Lower Upper

94 100

96 93.7 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

60000

50000

40000

30000

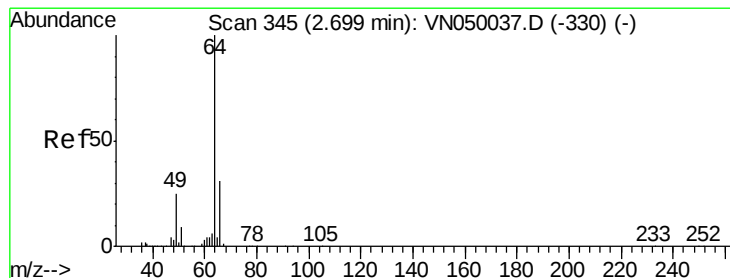
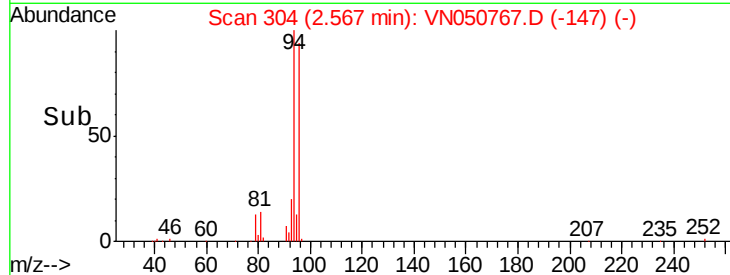
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 19.64 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050767.D

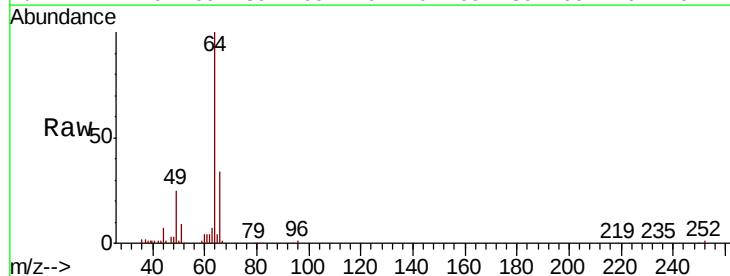
Acq: 20 Aug 2018 12:08

Tgt Ion: 64 Resp: 100624

Ion Ratio Lower Upper

64 100

66 33.6 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

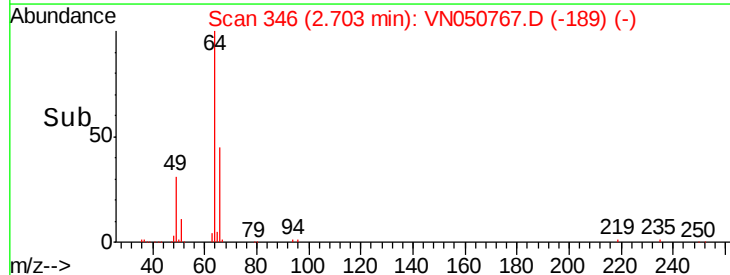
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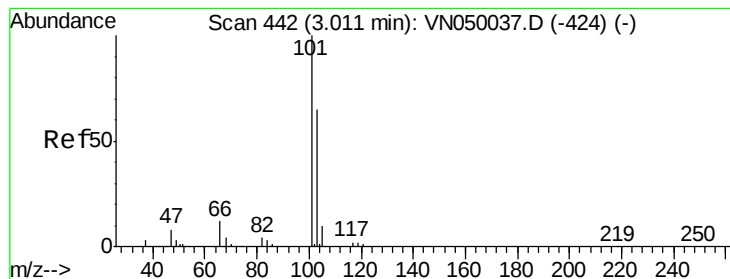
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0

2.60 2.65 2.70 2.75 2.80

Time-->



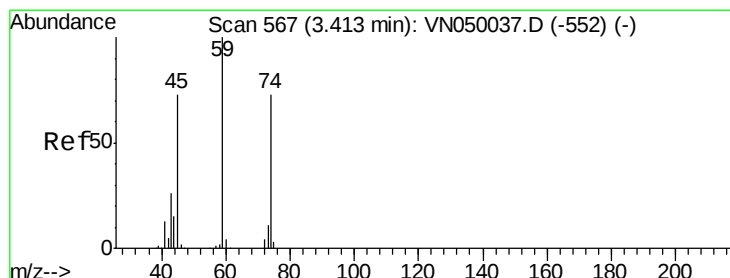
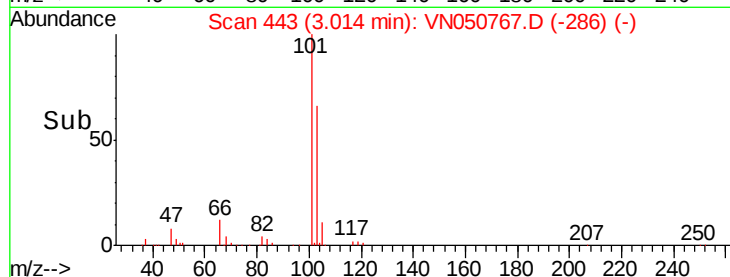
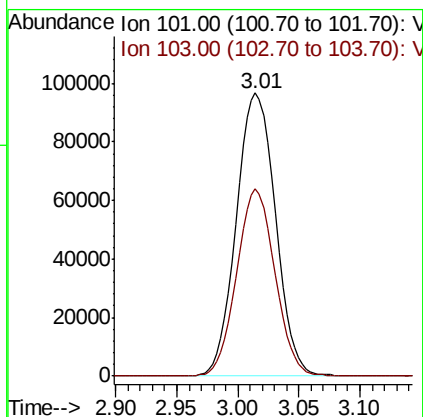
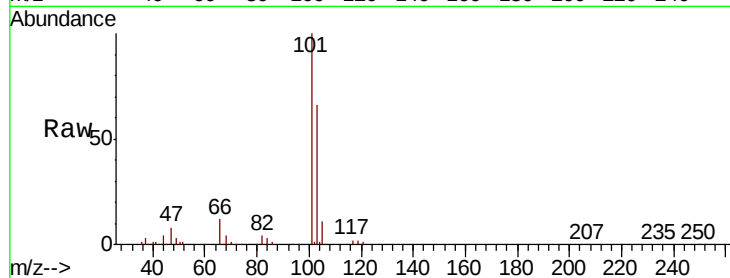


#7

Trichlorofluoromethane
 Concen: 19.01 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Instrument :
 MSVOA_N
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 VN0820WBSD01

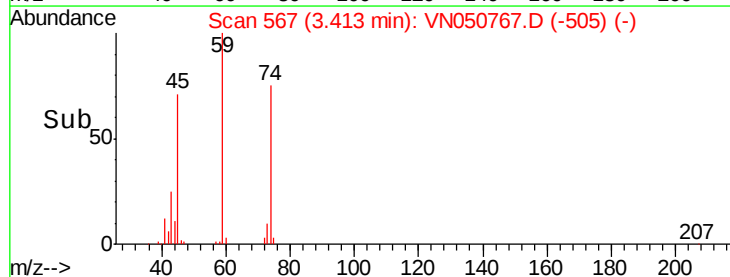
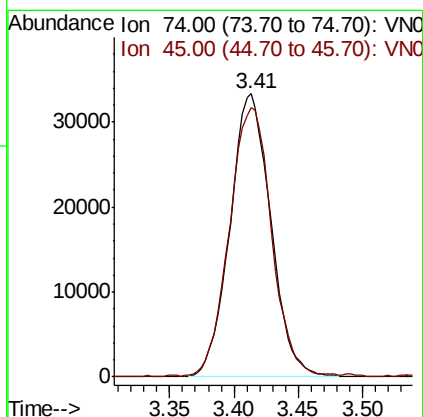
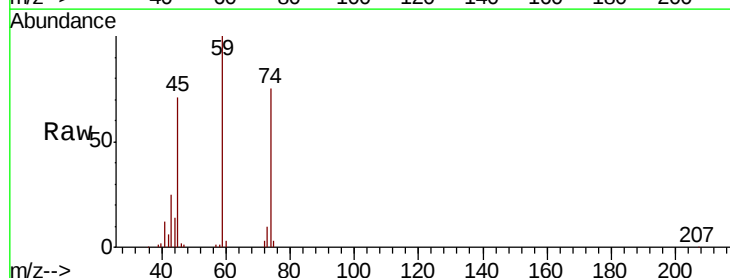
Tot Ion:101 Resp: 215209
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.5 77.3

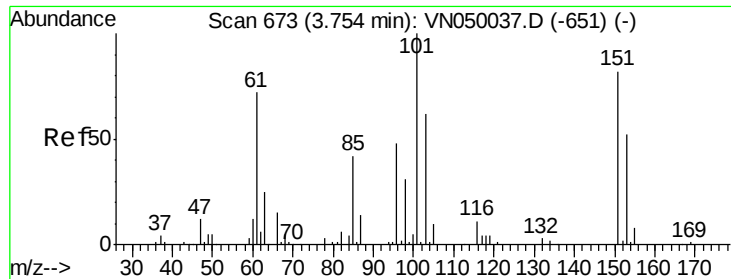


#8

Diethyl Ether
 Concen: 19.30 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion: 74 Resp: 73282
 Ion Ratio Lower Upper
 74 100
 45 98.6 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.01 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

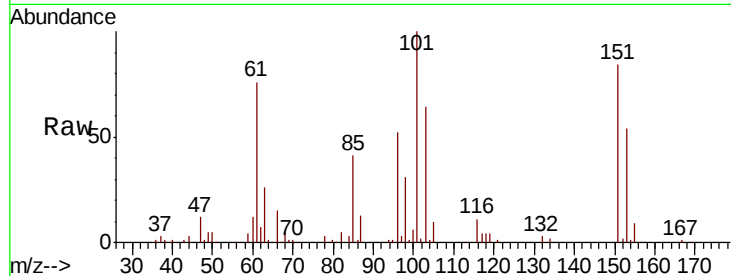
Tot Ion:101 Resp: 137777

Ion Ratio Lower Upper

101 100

85 40.8 0.0 83.0

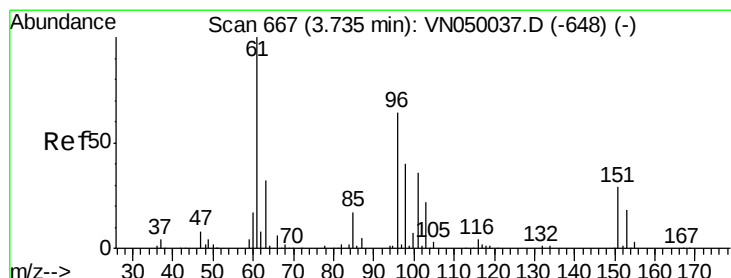
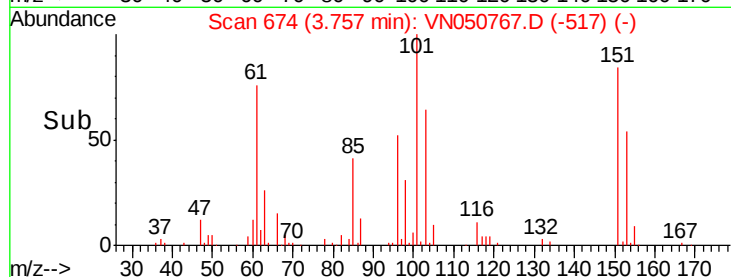
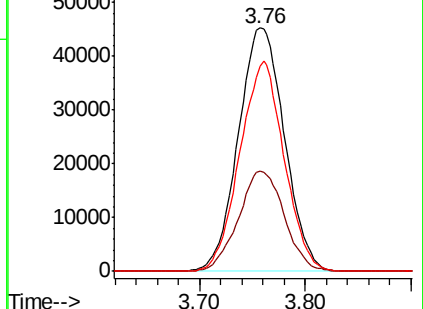
151 82.8 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.06 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

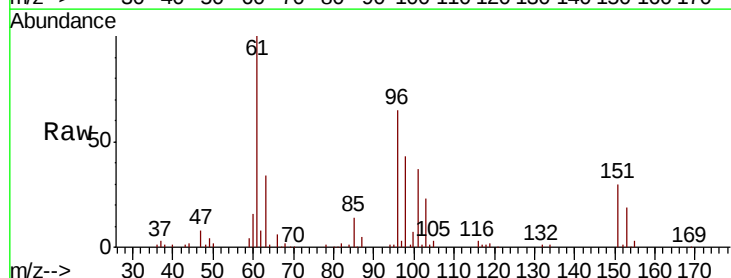
Tgt Ion: 96 Resp: 122498

Ion Ratio Lower Upper

96 100

61 154.2 130.6 195.8

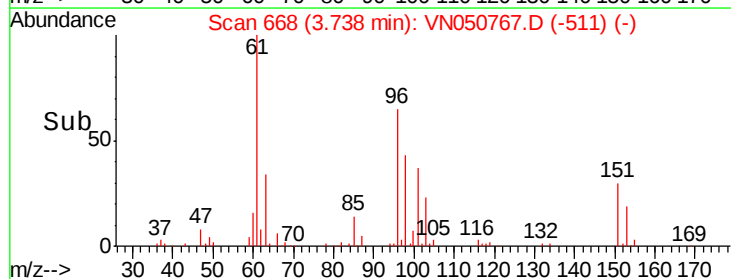
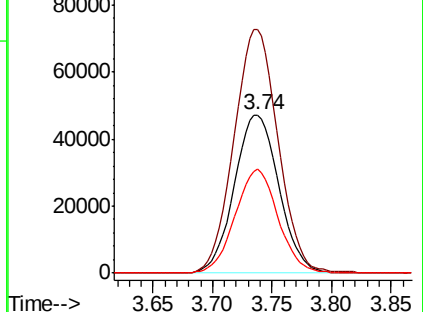
98 65.2 53.5 80.3



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

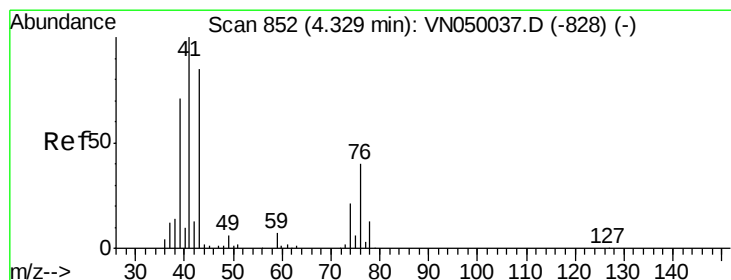
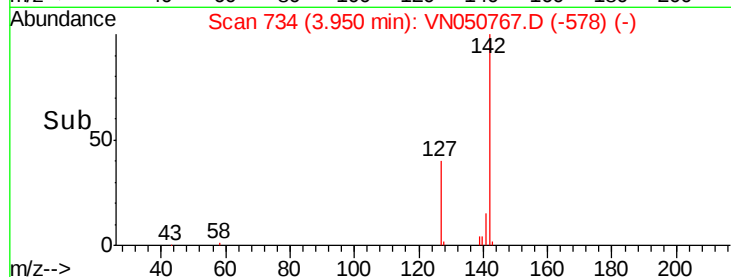
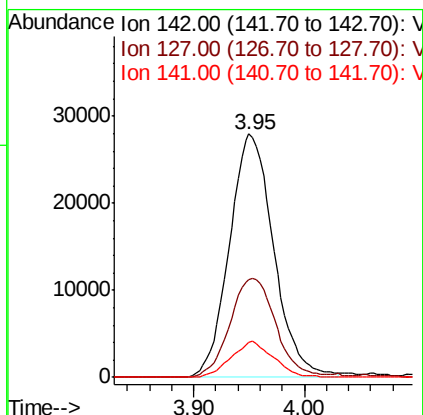
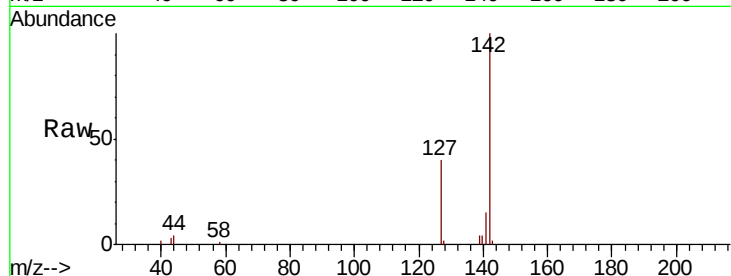




#11
Methvl Iodide
Concen: 8.65 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

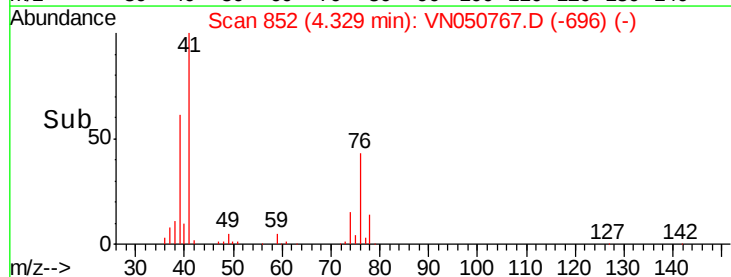
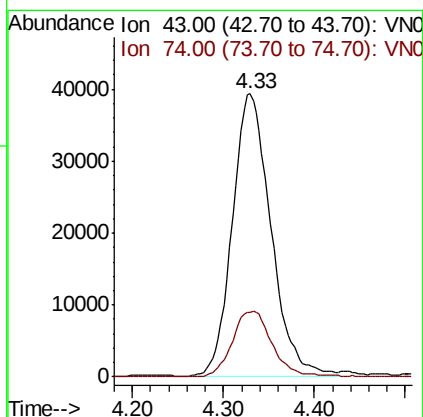
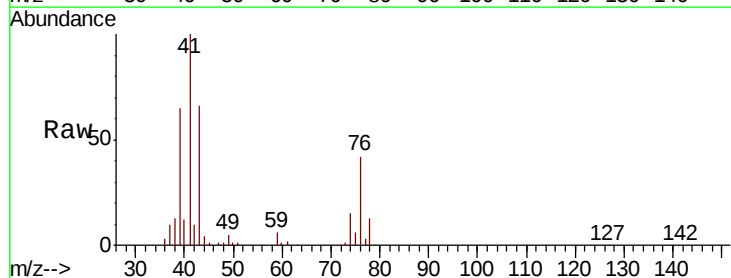
Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD01

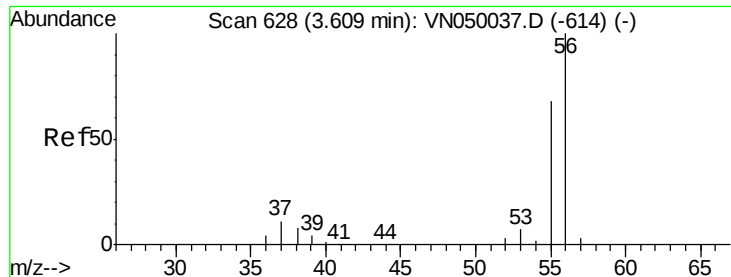
Tot Ion:142 Resp: 77727
Ion Ratio Lower Upper
142 100
127 39.4 20.2 60.5
141 14.7 6.9 20.6



#12
Methyl Acetate
Concen: 16.64 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 43 Resp: 116420
Ion Ratio Lower Upper
43 100
74 22.9 19.3 28.9





#13

Acrolein

Concen: 82.40 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

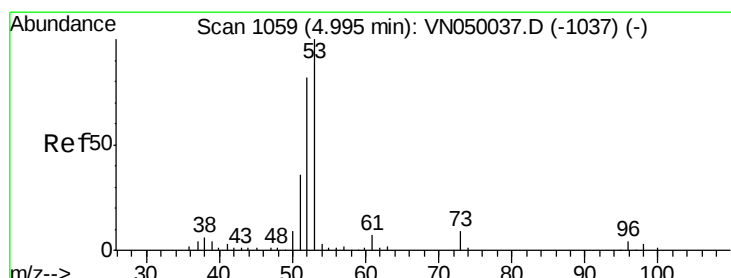
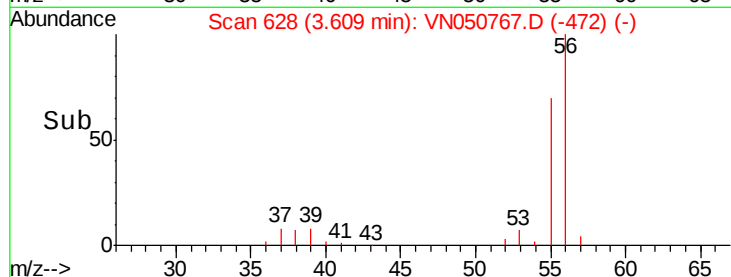
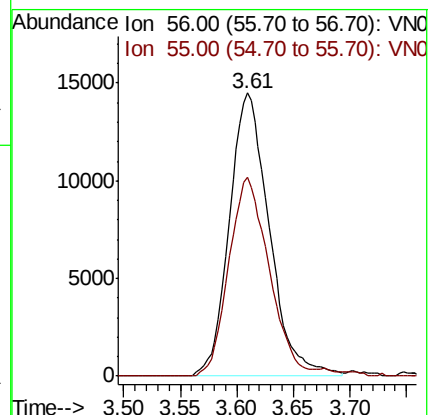
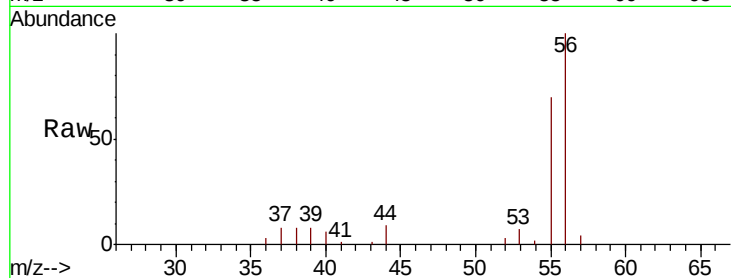
VN0820WBSD01

Tot Ion: 56 Resp: 35624

Ion Ratio Lower Upper

56 100

55 70.8 58.6 88.0



#14

Acrylonitrile

Concen: 93.79 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

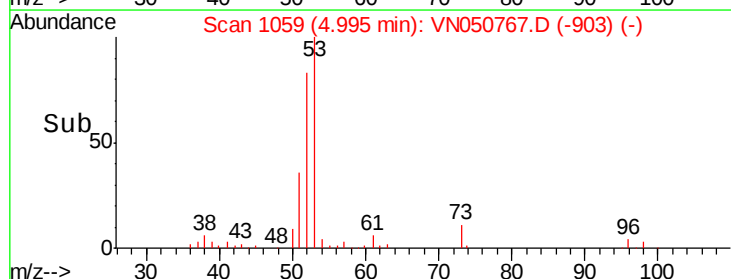
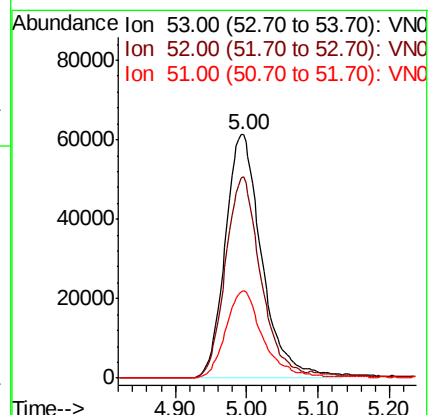
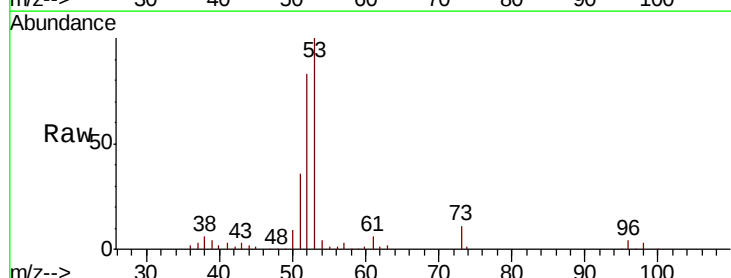
Tgt Ion: 53 Resp: 218926

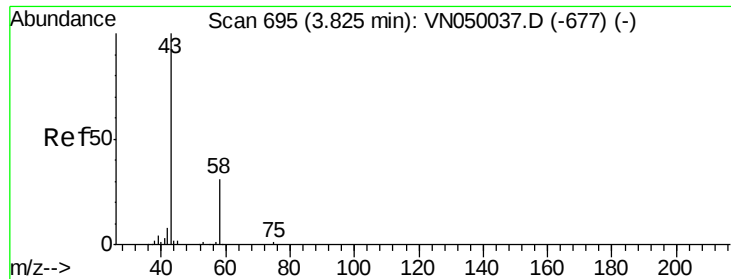
Ion Ratio Lower Upper

53 100

52 79.6 41.5 124.5

51 36.4 18.7 56.1





#15

Acetone

Concen: 106.58 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

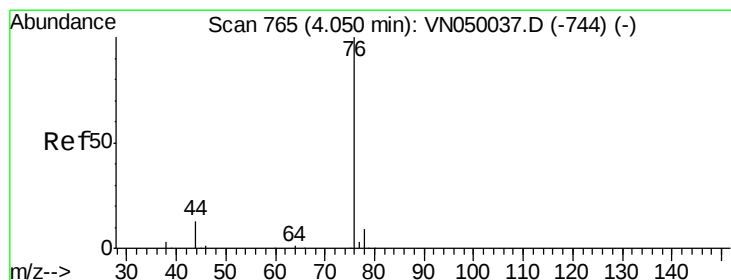
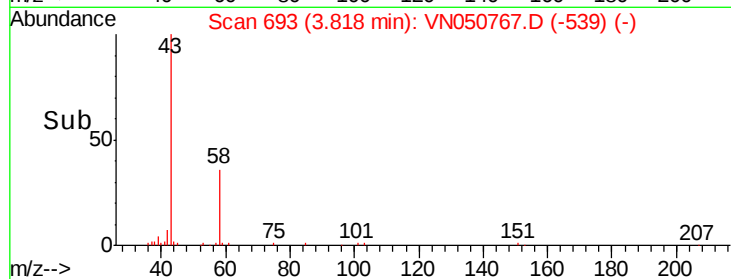
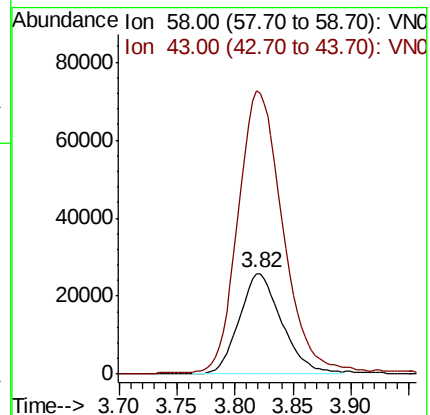
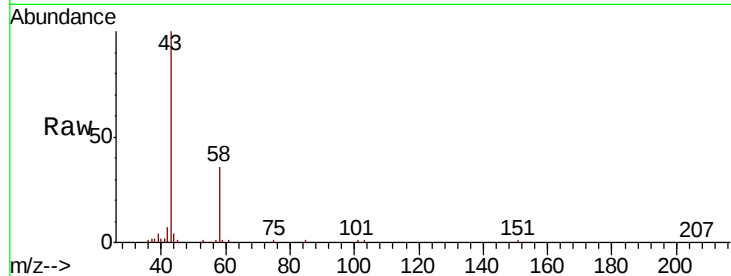
VN0820WBSD01

Tot Ion: 58 Resp: 66114

Ion Ratio Lower Upper

58 100

43 278.4 252.0 378.0



#16

Carbon Disulfide

Concen: 19.02 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050767.D

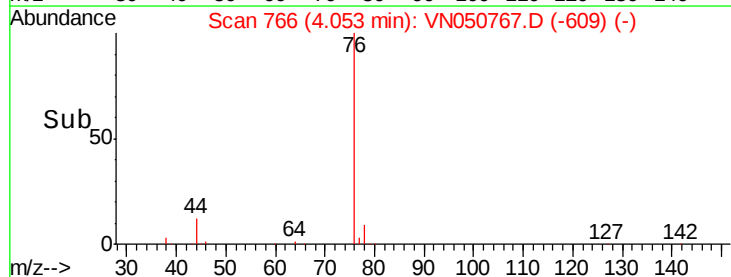
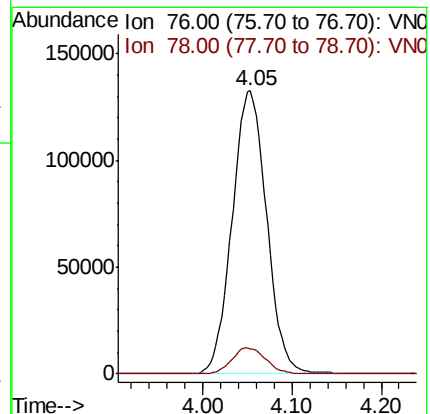
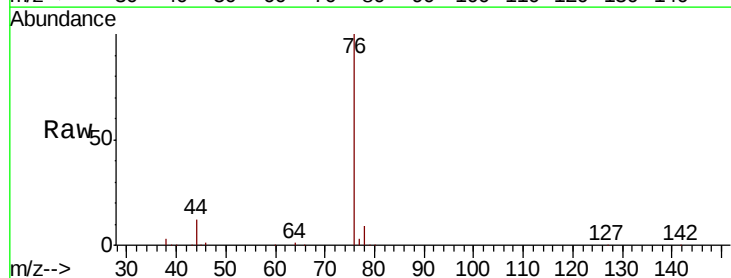
Acq: 20 Aug 2018 12:08

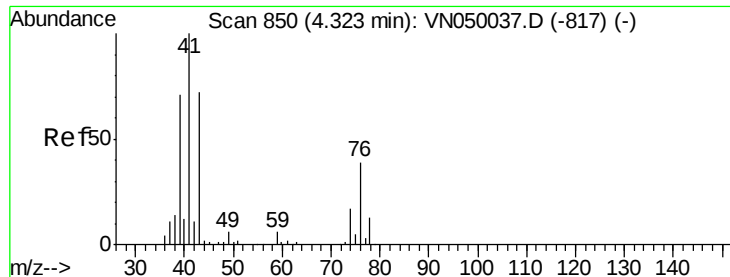
Tgt Ion: 76 Resp: 355412

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

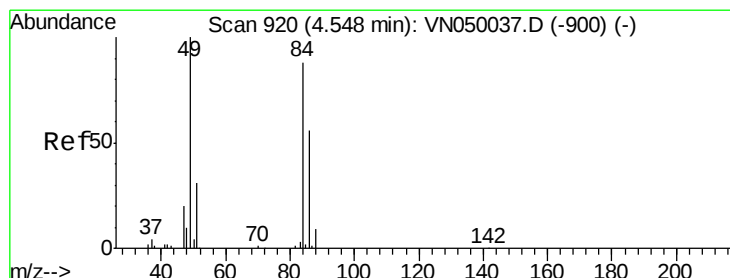
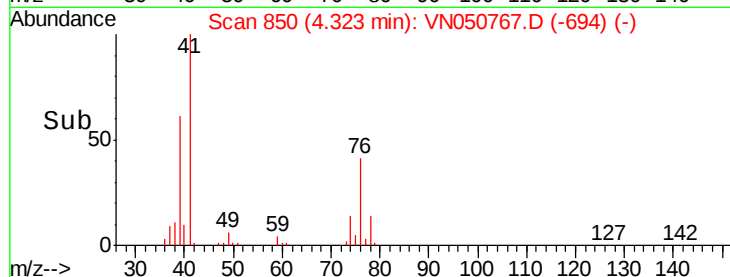
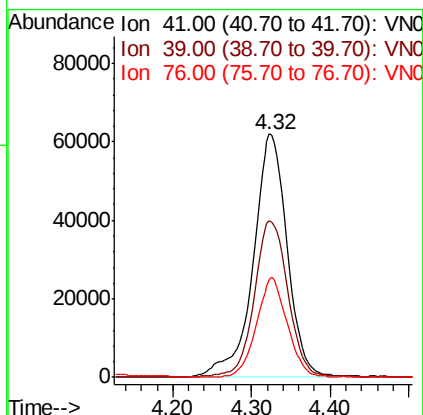
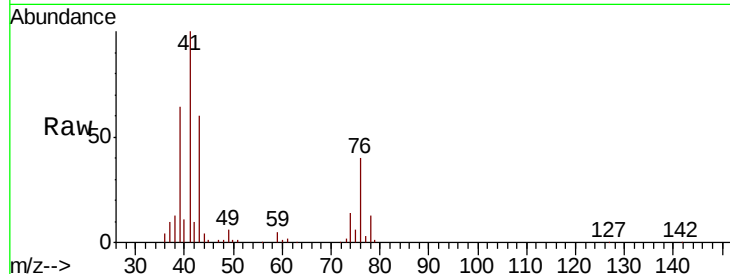




#17
Allvl chloride
Concen: 19.65 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

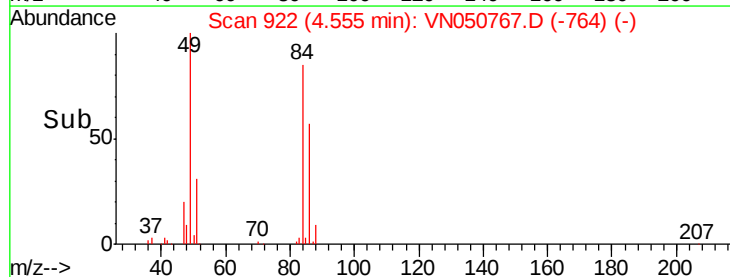
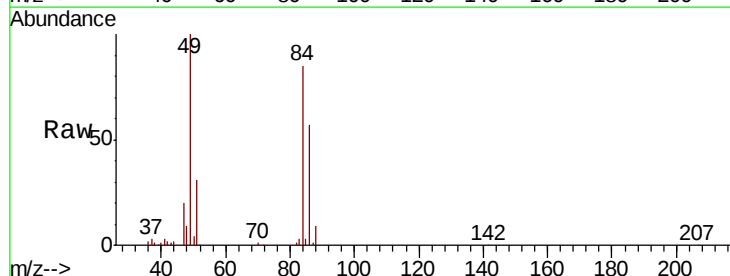
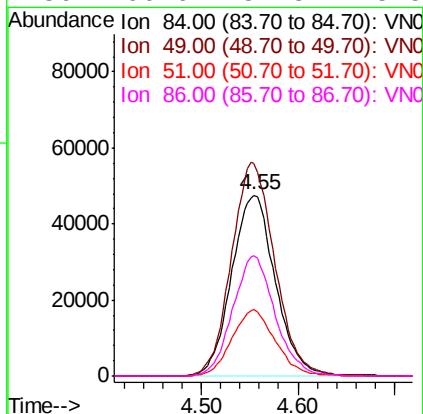
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

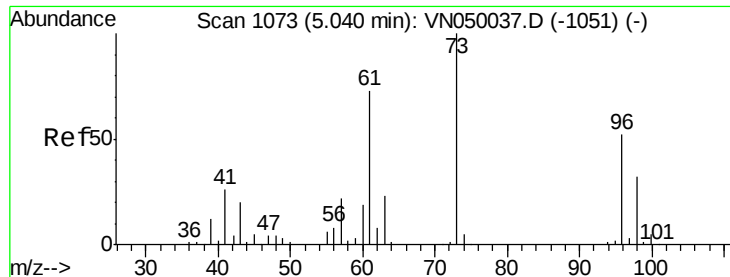
Tot Ion: 41 Resp: 189482
Ion Ratio Lower Upper
41 100
39 64.3 35.4 106.3
76 39.8 19.7 59.1



#18
Methylene Chloride
Concen: 21.18 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 84 Resp: 149268
Ion Ratio Lower Upper
84 100
49 117.0 95.1 142.7
51 36.7 28.8 43.2
86 66.6 52.3 78.5

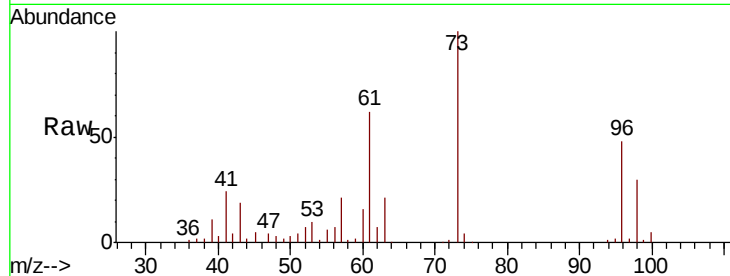




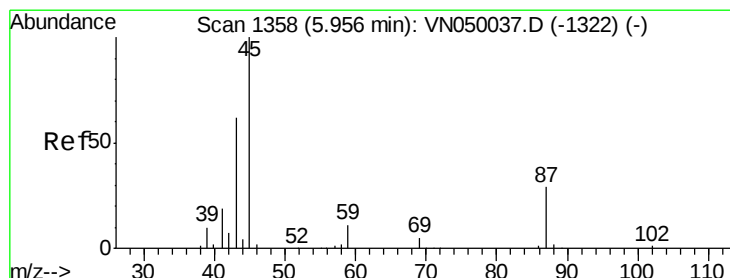
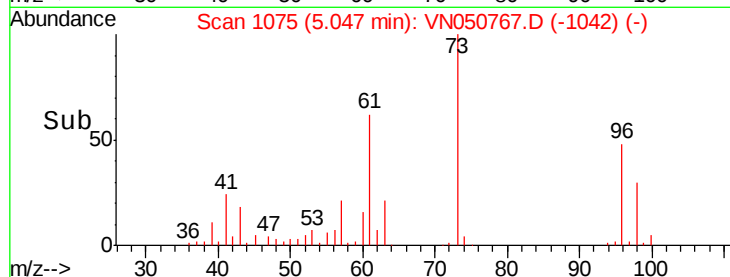
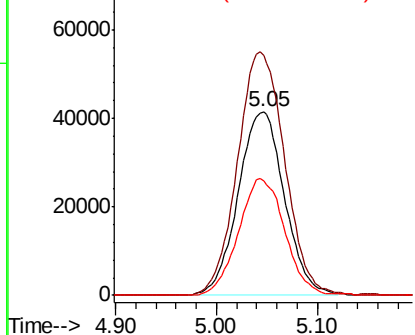
#19
trans-1,2-Dichloroethene
Concen: 20.23 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

Tot Ion: 96 Resp: 132259
Ion Ratio Lower Upper
96 100
61 130.5 112.1 168.1
98 62.4 51.3 76.9

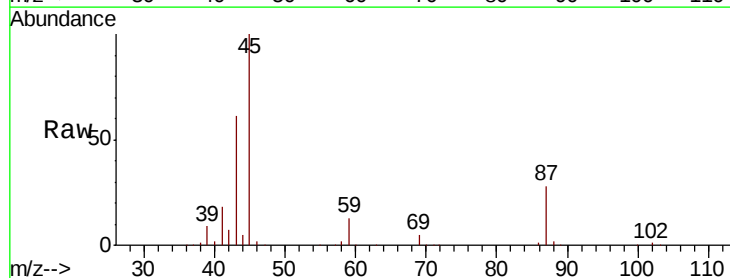


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

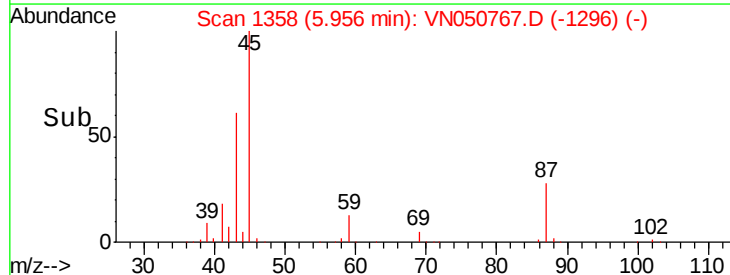
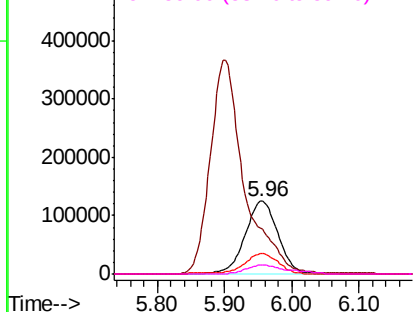


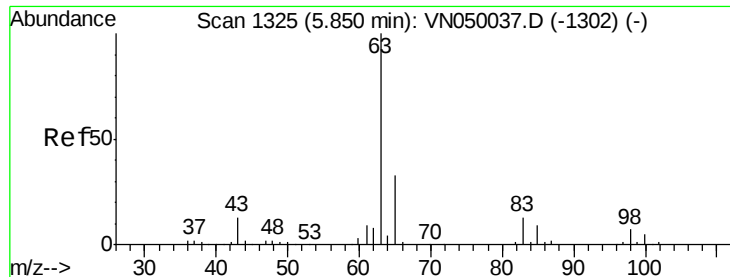
#20
Diisopropyl ether
Concen: 21.38 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 45 Resp: 422679
Ion Ratio Lower Upper
45 100
43 59.3 46.6 70.0
87 27.9 22.3 33.5
59 12.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

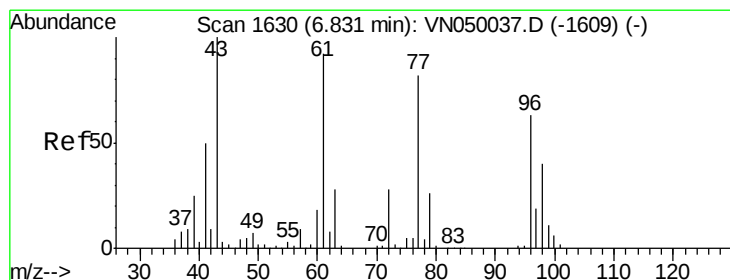
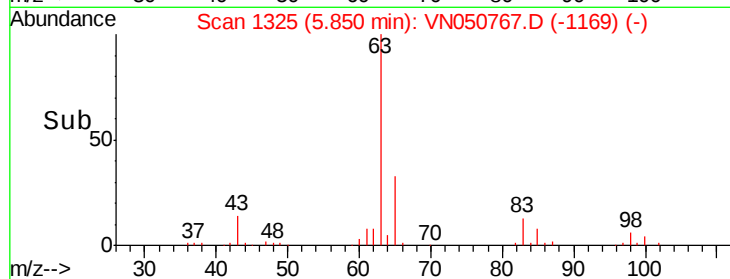
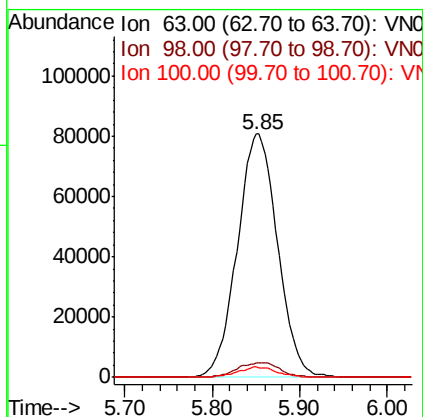
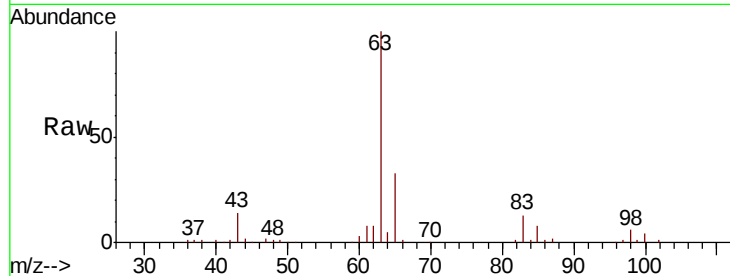




#21
 1,1-Dichloroethane
 Concen: 20.68 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

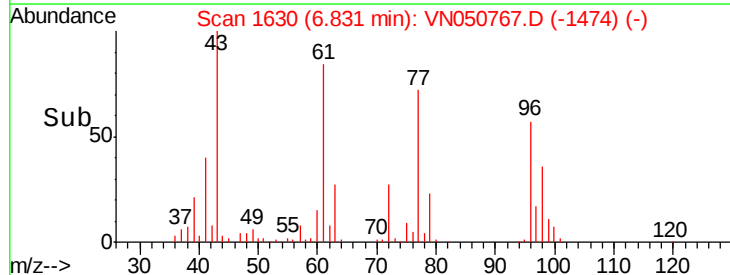
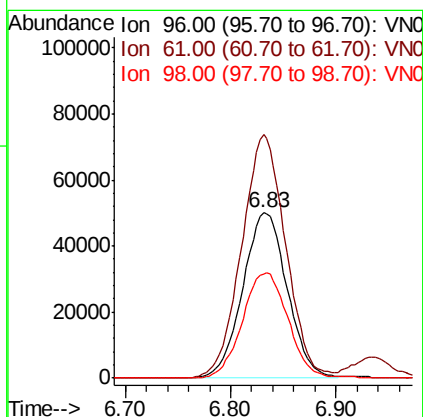
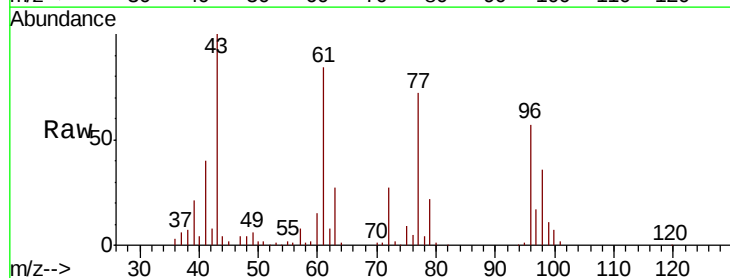
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

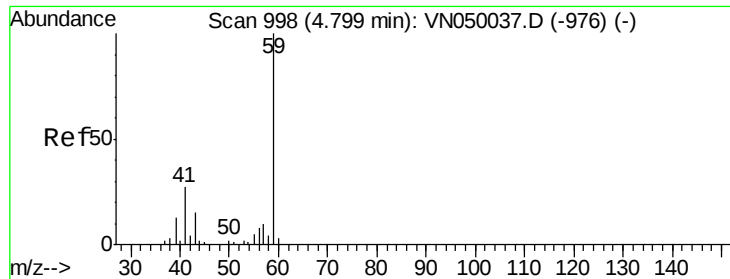
Tot Ion	63	Resp	257103
Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.5	10.6
100	4.3	2.3	6.8



#22
 cis-1,2-Dichloroethene
 Concen: 20.26 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion	96	Resp	146926
Ion	Ratio	Lower	Upper
96	100		
61	145.9	114.2	171.2
98	65.1	51.7	77.5

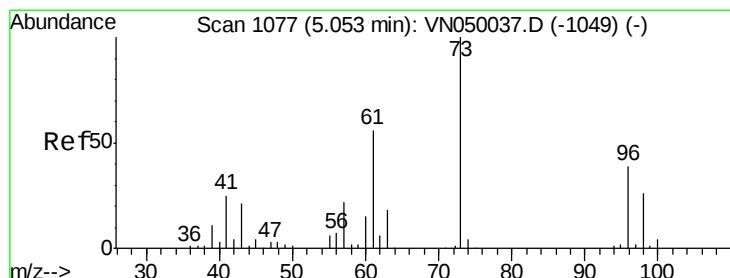
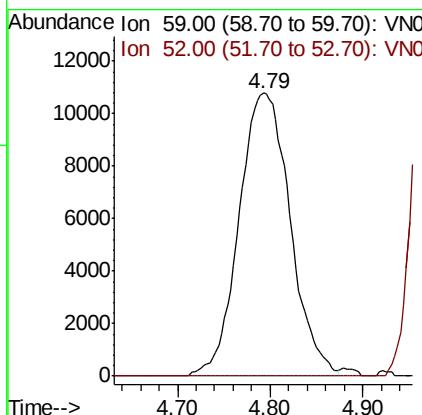
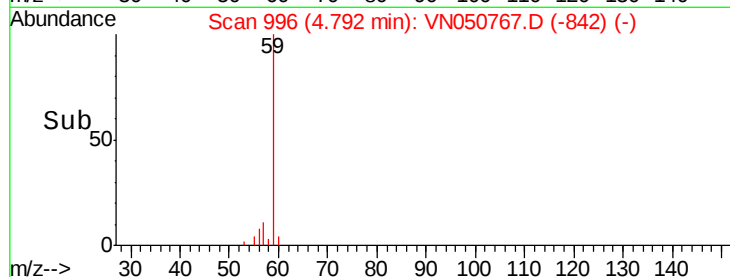
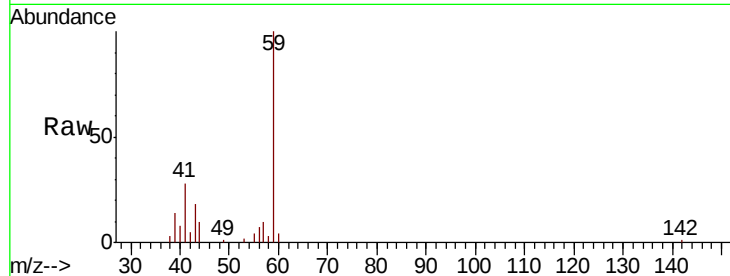




#23
 tert-Butyl Alcohol
 Concen: 79.36 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

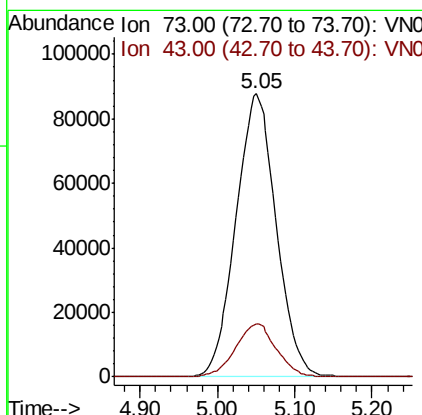
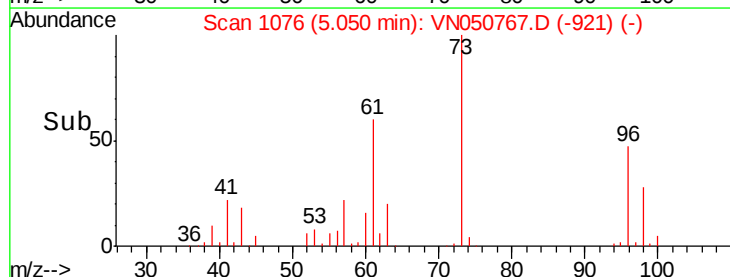
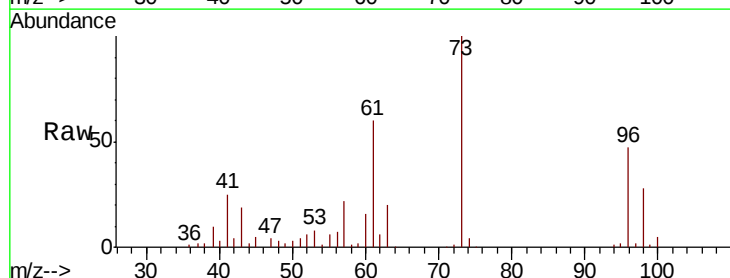
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

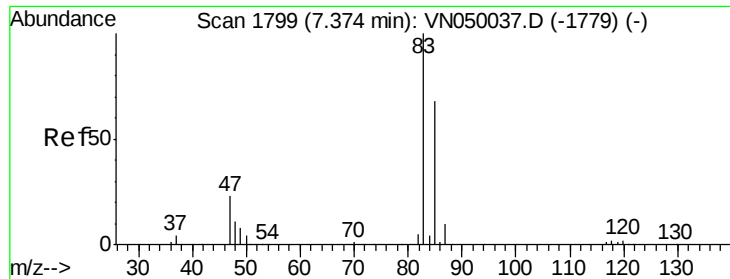
Tot Ion: 59 Resp: 41393
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 19.11 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion: 73 Resp: 318198
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.5 23.3

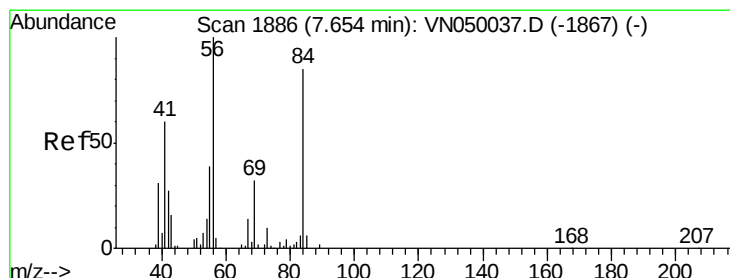
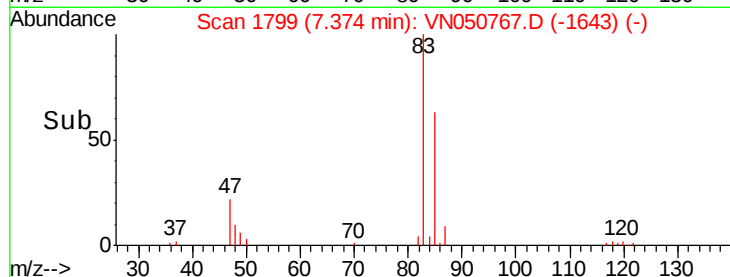
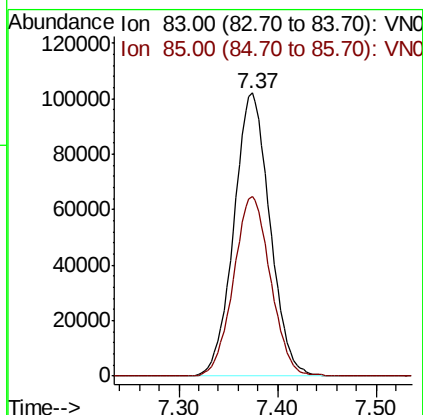
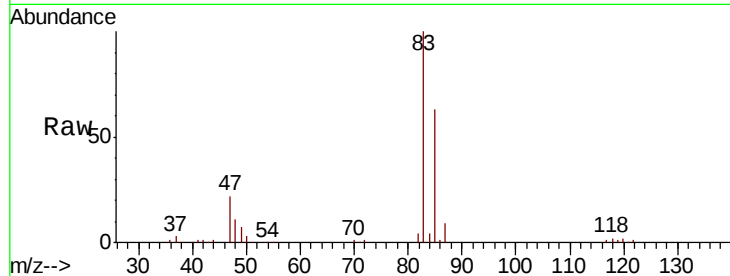




#25
Chloroform
Concen: 20.55 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

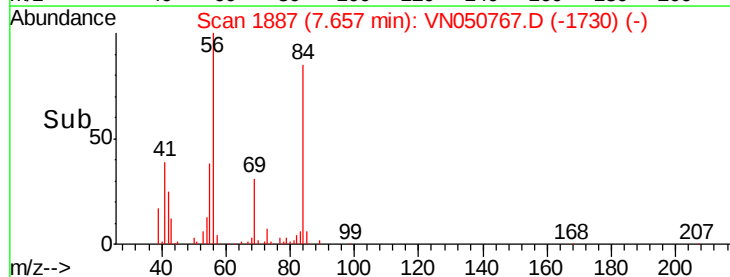
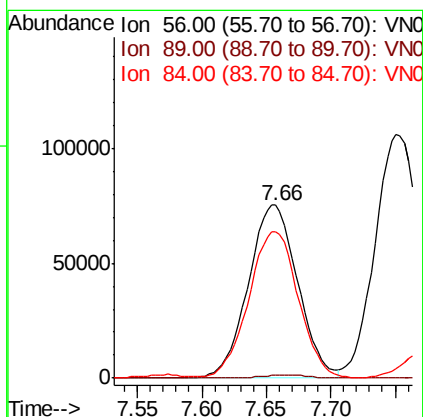
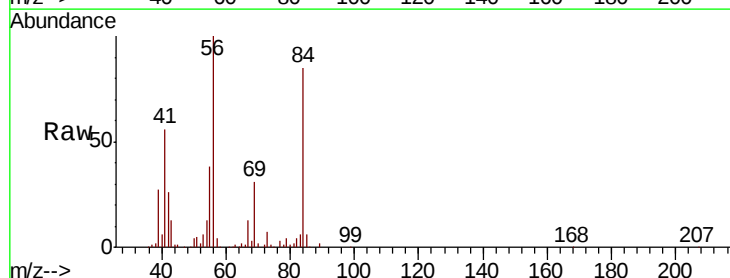
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

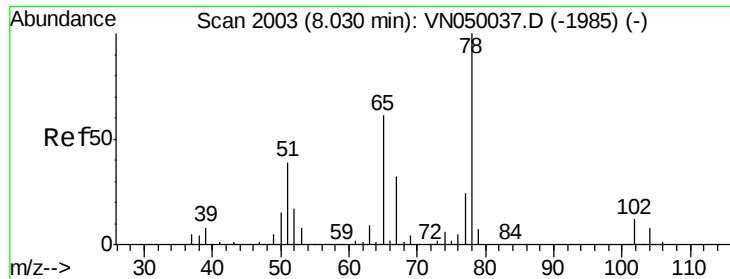
Tot Ion: 83 Resp: 258710
Ion Ratio Lower Upper
83 100
85 63.5 52.1 78.1



#26
Cyclohexane
Concen: 20.34 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 56 Resp: 200938
Ion Ratio Lower Upper
56 100
89 0.8 3.0 4.4#
84 85.4 69.8 104.8

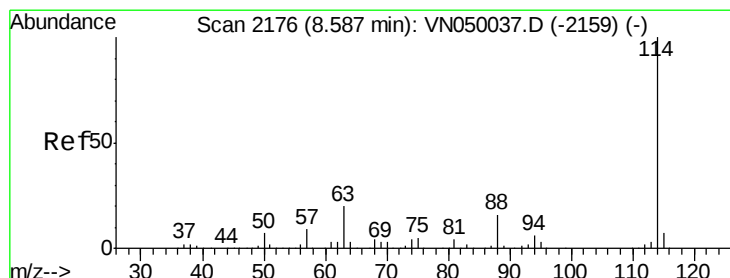
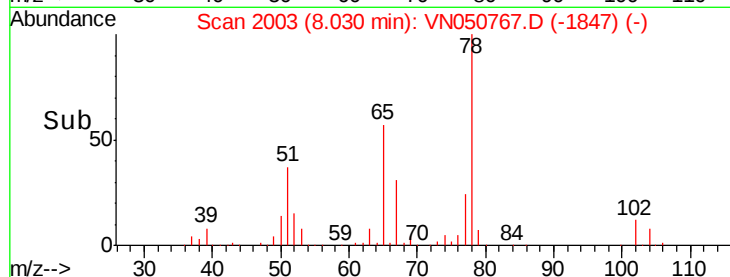
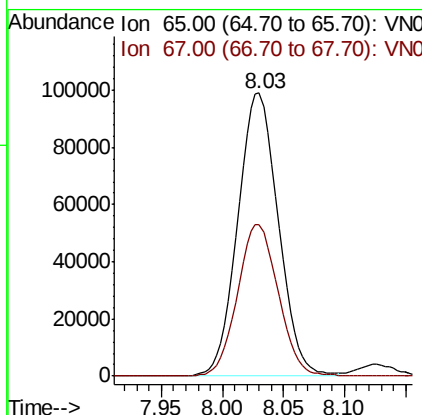
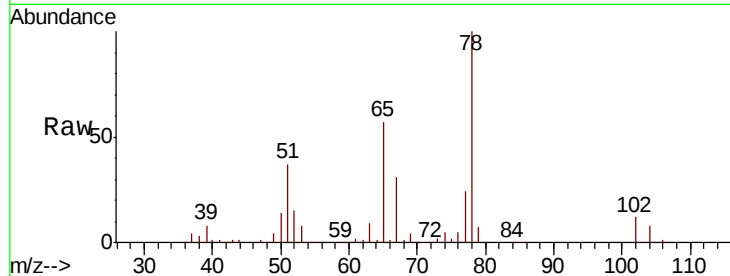




#27
 1,2-Dichloroethane-d4
 Concen: 29.25 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

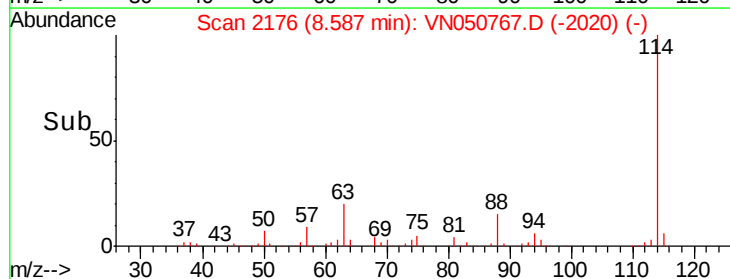
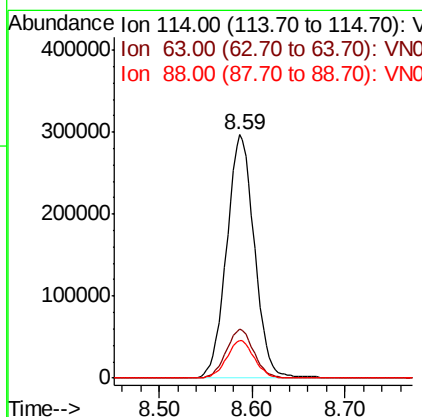
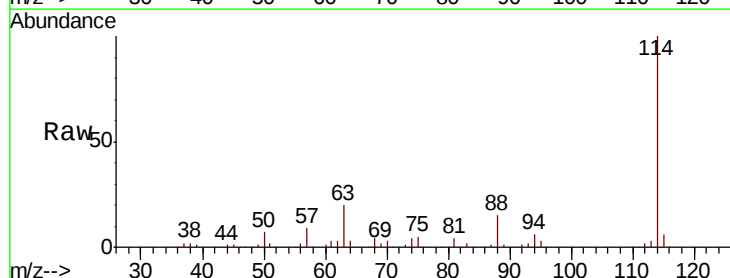
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

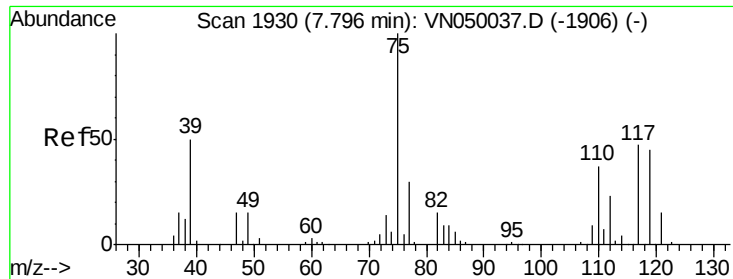
Tot Ion: 65 Resp: 227745
 Ion Ratio Lower Upper
 65 100
 67 53.9 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion: 114 Resp: 616062
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.3 12.3 18.5

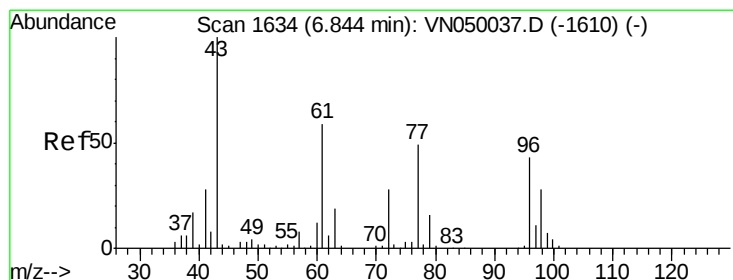
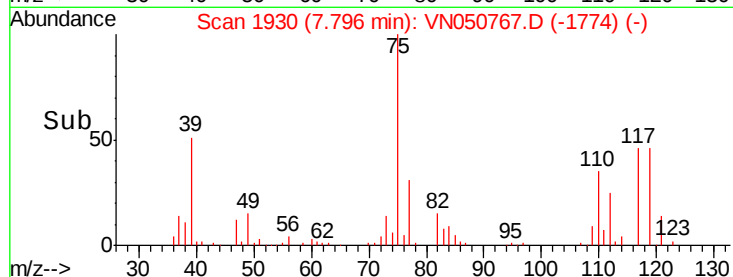
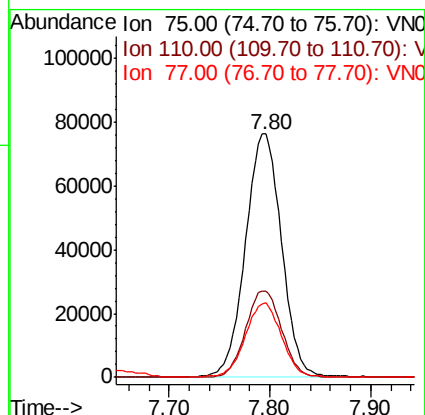
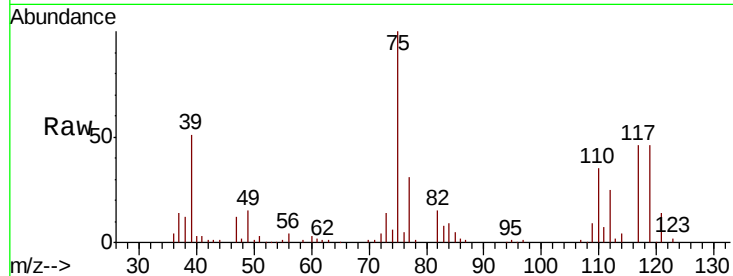




#29
 1,1-Dichloropropene
 Concen: 19.85 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

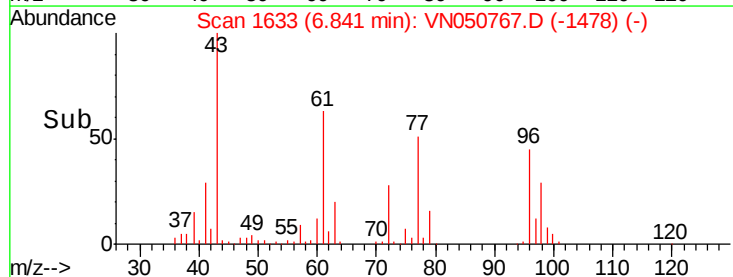
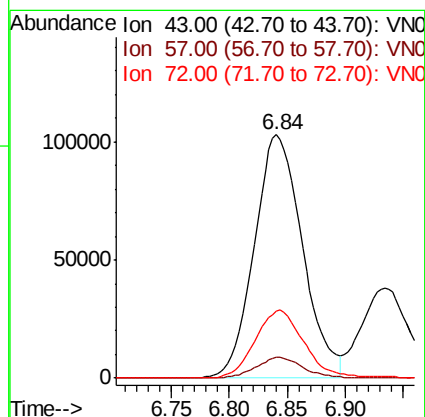
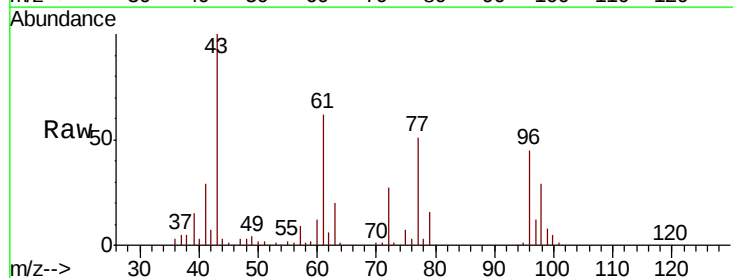
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

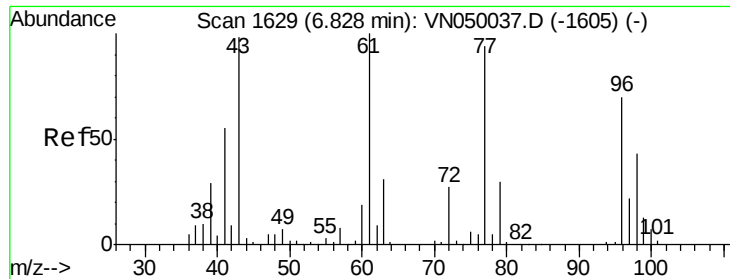
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.4	0.0	73.2
77	30.7	0.0	62.0



#30
 2-Butanone
 Concen: 99.26 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.8	10.2
72	28.2	21.4	32.0

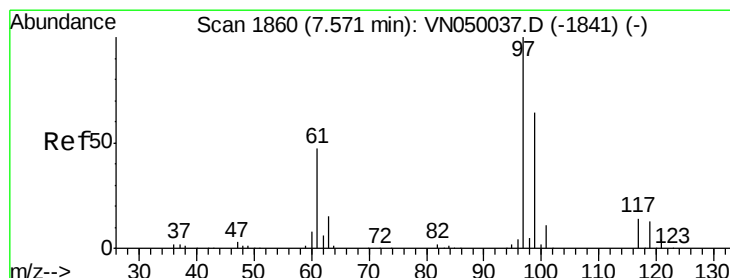
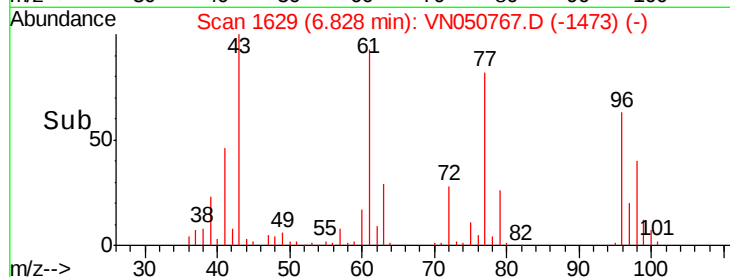
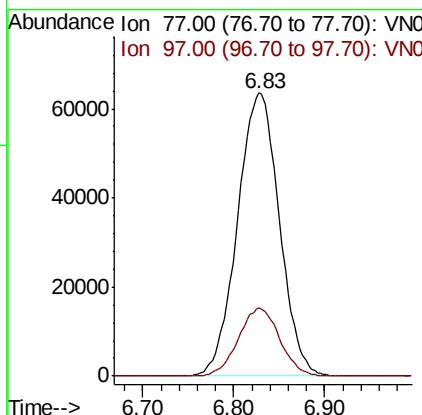
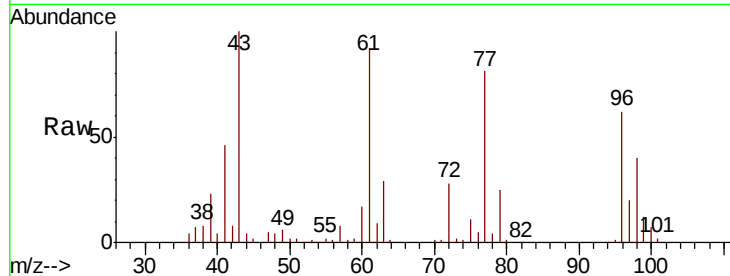




#31
 2,2-Dichloropropane
 Concen: 19.21 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

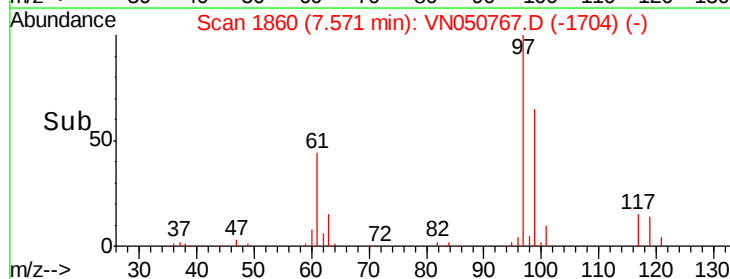
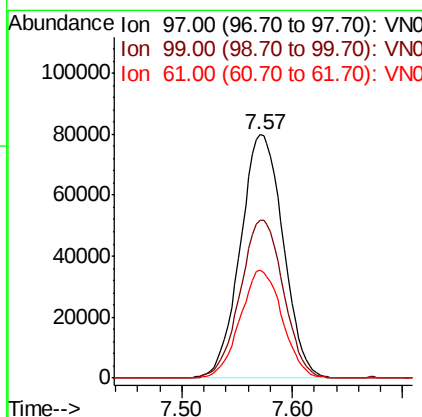
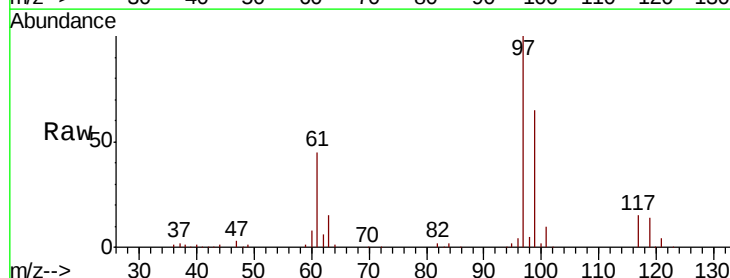
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

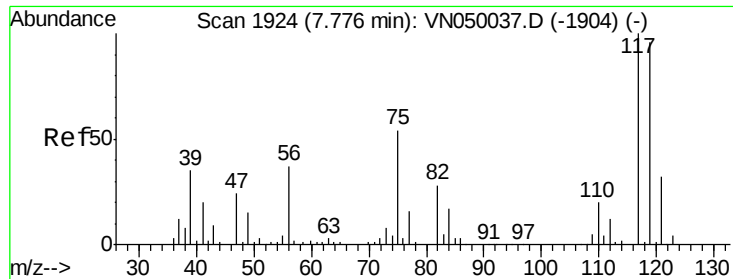
Tot Ion: 77 Resp: 203041
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.06 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion: 97 Resp: 214545
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.2 76.8
 61 43.7 35.3 52.9





#33

Carbon Tetrachloride

Concen: 19.05 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

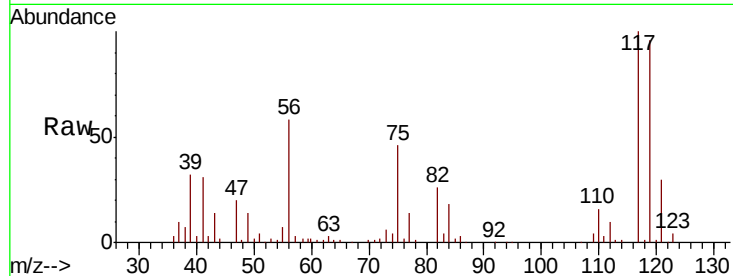
Tot Ion:117 Resp: 191076

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3

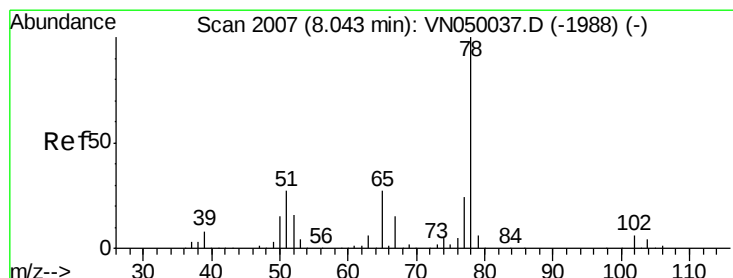
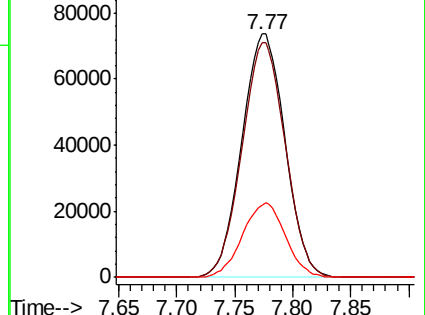
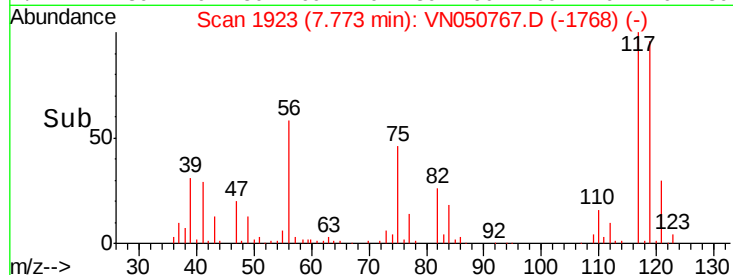
121 29.6 24.4 36.6



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: 20.06 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

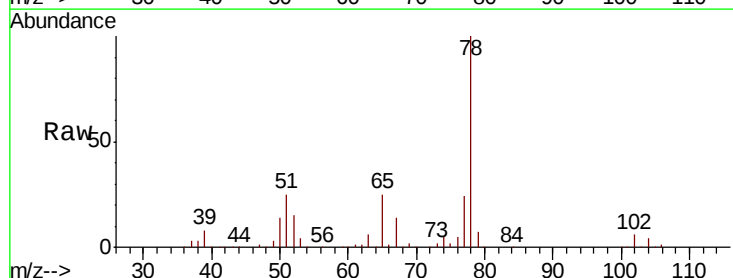
Tgt Ion: 78 Resp: 582320

Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7

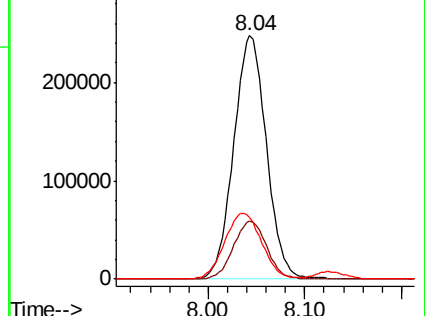
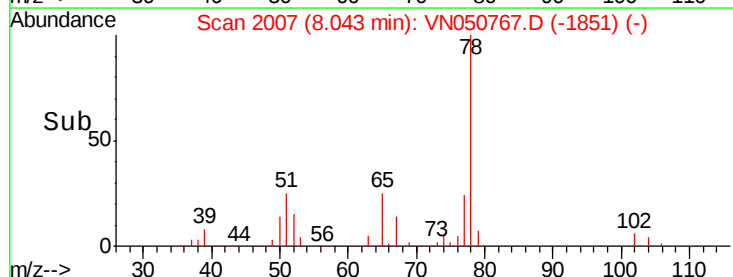
51 25.0 21.0 31.4

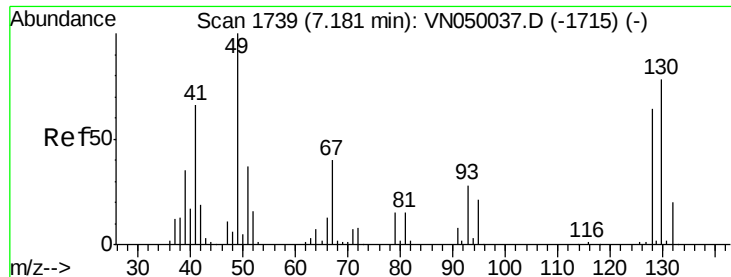


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

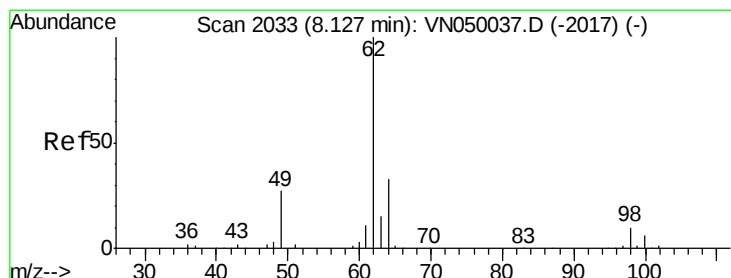
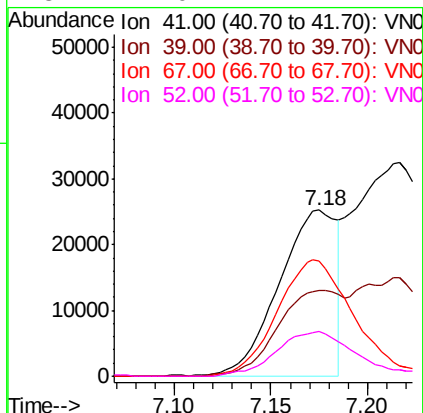
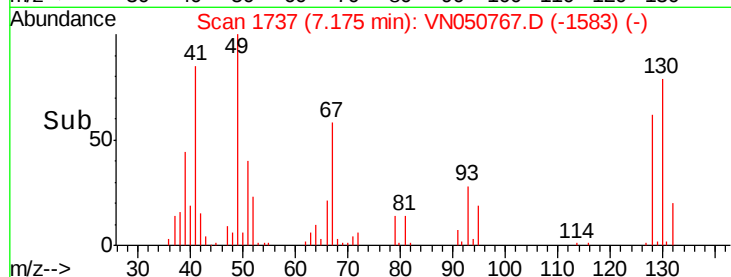
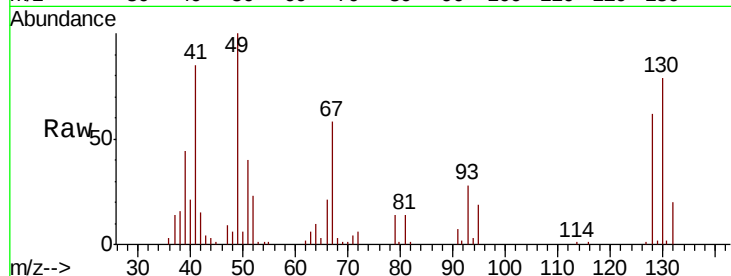




#35
Methacrylonitrile
Concen: 15.38 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

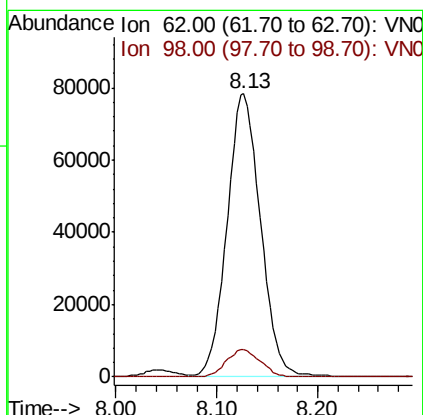
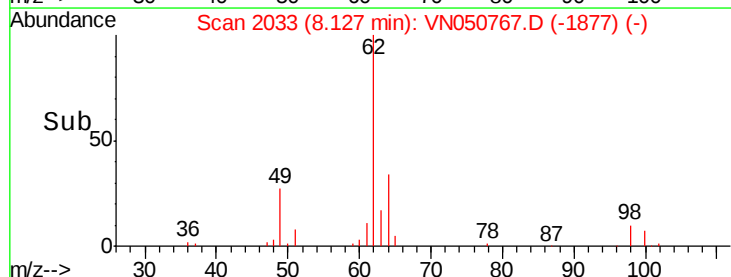
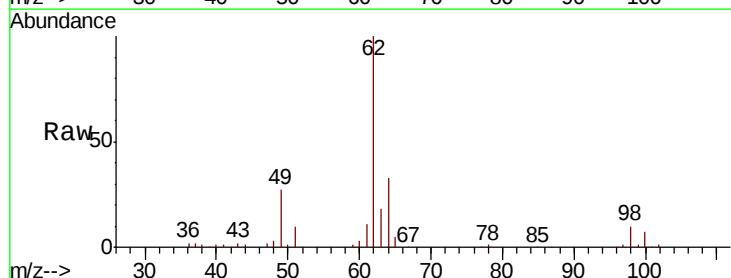
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

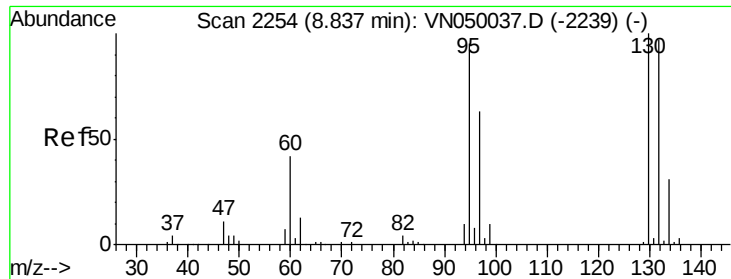
Tot Ion: 41 Resp: 52531
Ion Ratio Lower Upper
41 100
39 51.8 27.6 82.7
67 69.1 35.1 105.5
52 27.0 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.02 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 62 Resp: 181370
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

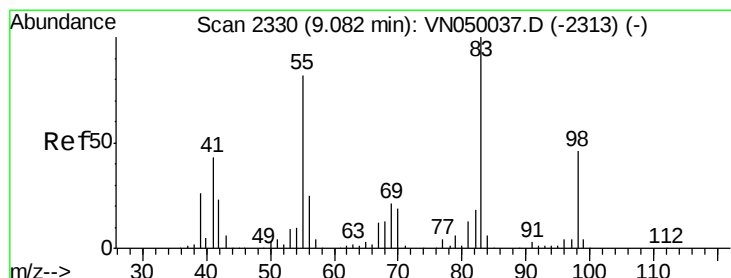
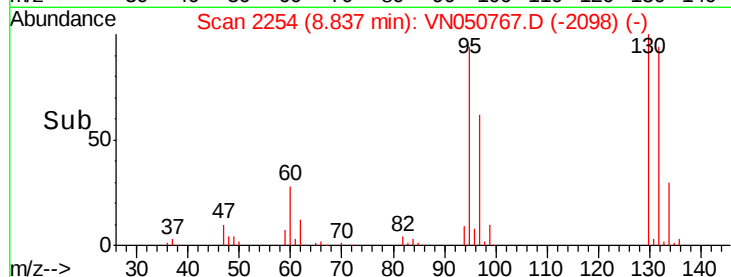
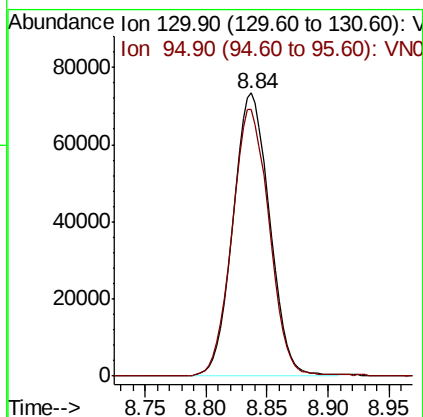
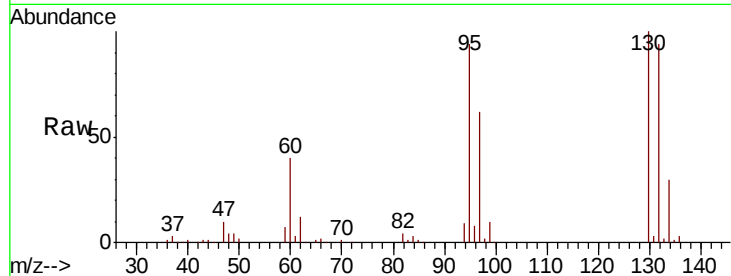




#37
 Trichloroethene
 Concen: 20.02 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

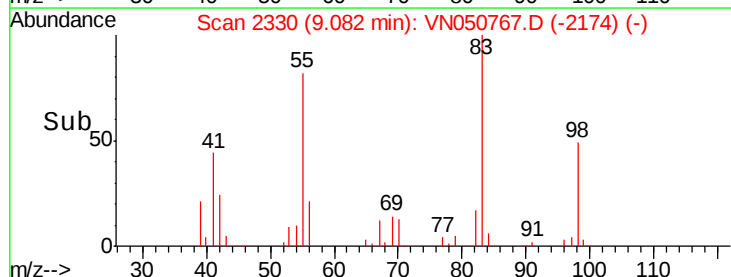
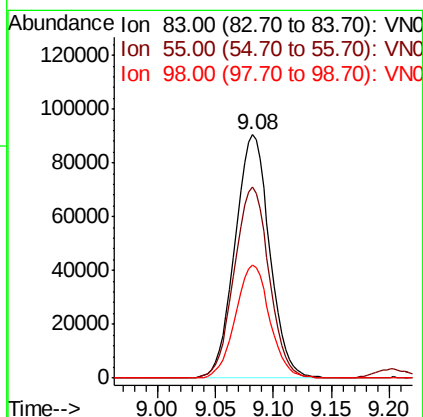
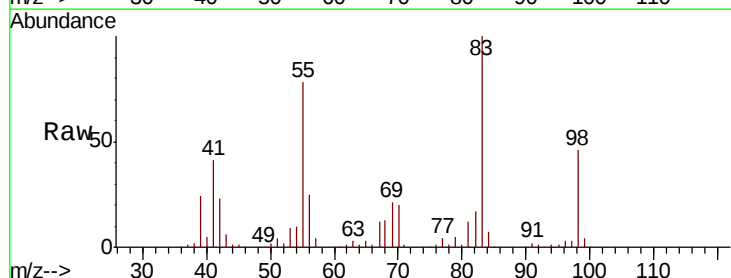
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

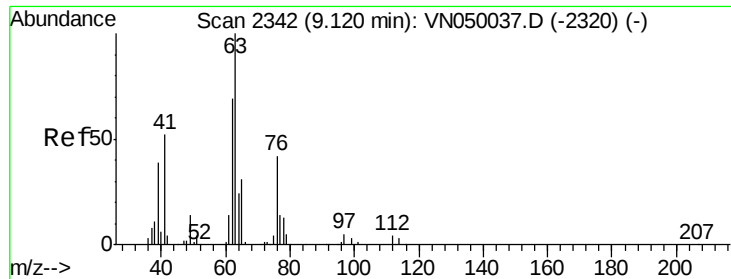
Tot Ion:130 Resp: 152432
 Ion Ratio Lower Upper
 130 100
 95 94.1 79.7 119.5



#38
 Methylcyclohexane
 Concen: 18.64 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion: 83 Resp: 187888
 Ion Ratio Lower Upper
 83 100
 55 79.2 39.3 117.8
 98 46.2 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.38 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

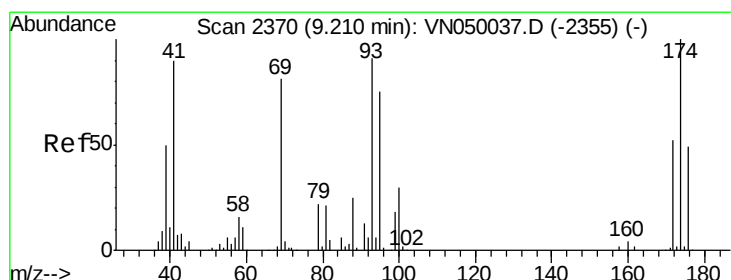
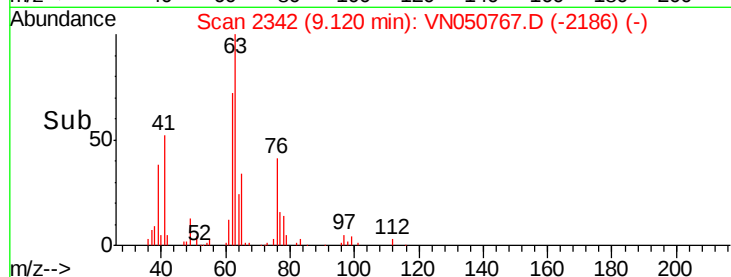
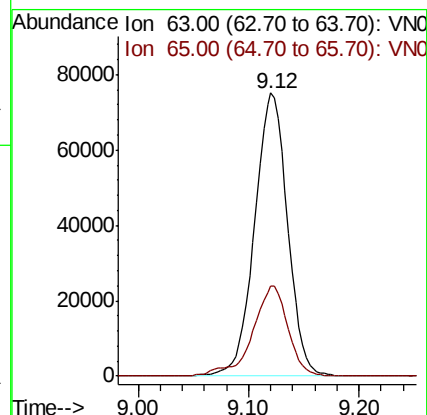
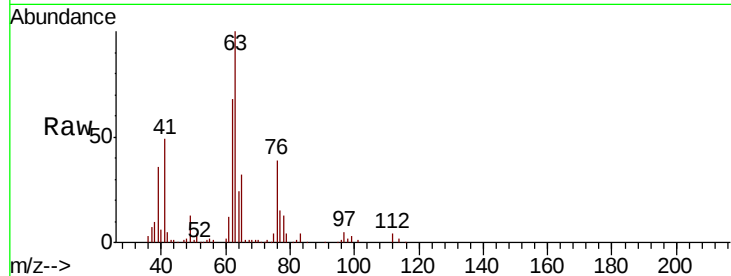
VN0820WBSD01

Tot Ion: 63 Resp: 155916

Ion Ratio Lower Upper

63 100

65 31.8 24.2 36.2



#40

Dibromomethane

Concen: 19.16 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

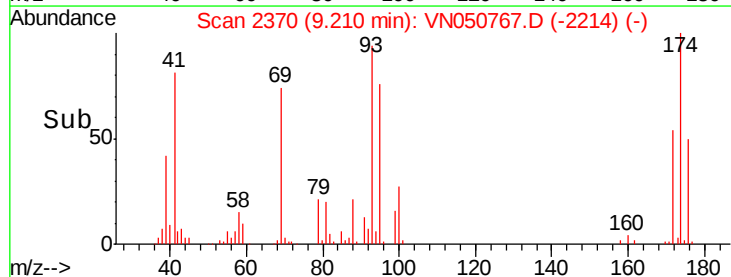
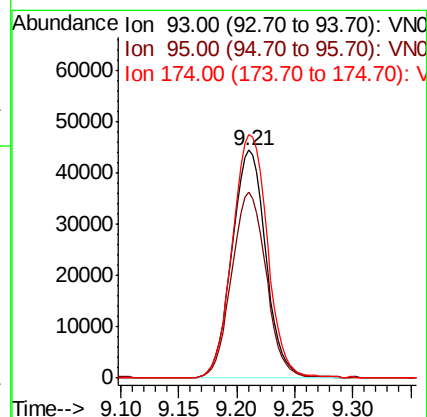
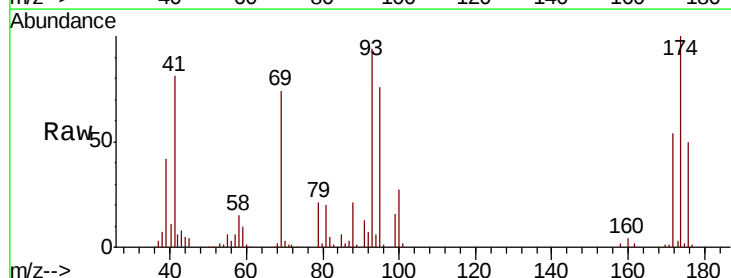
Tgt Ion: 93 Resp: 90576

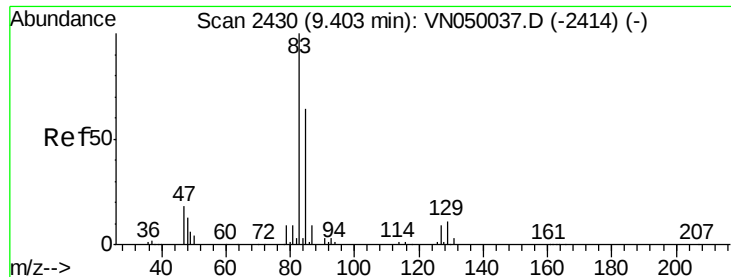
Ion Ratio Lower Upper

93 100

95 82.6 0.0 165.6

174 110.2 0.0 223.2





#41

Bromodichloromethane

Concen: 19.60 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

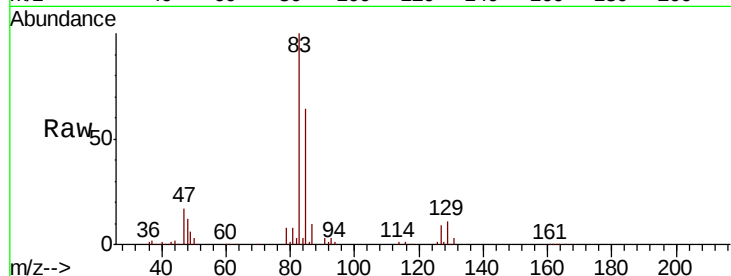
Tot Ion: 83 Resp: 195481

Ion Ratio Lower Upper

83 100

85 63.6 52.6 78.8

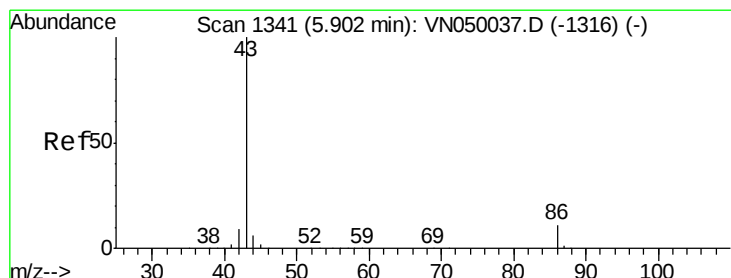
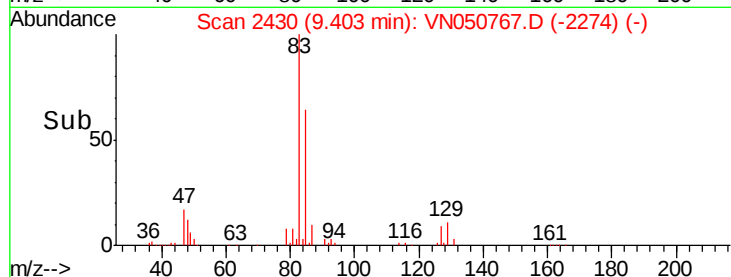
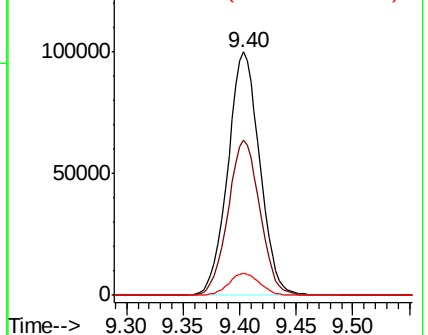
127 9.2 7.0 10.4



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): V



#42

Vinyl Acetate

Concen: 91.84 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050767.D

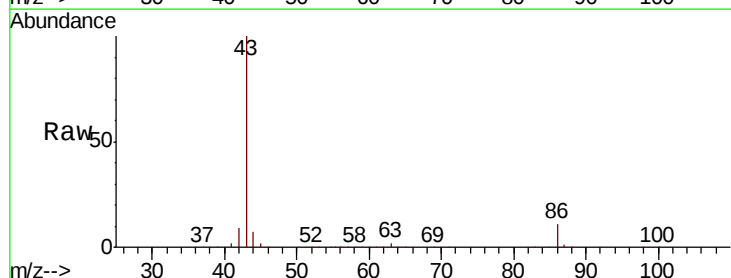
Acq: 20 Aug 2018 12:08

Tgt Ion: 43 Resp: 1296541

Ion Ratio Lower Upper

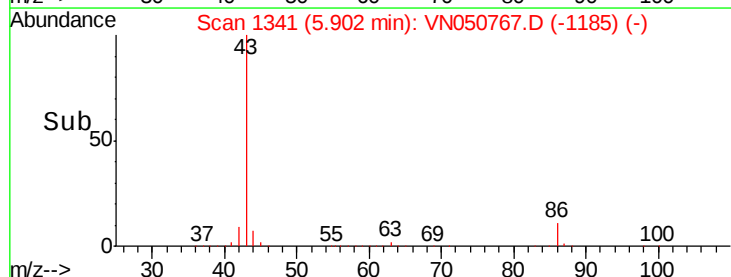
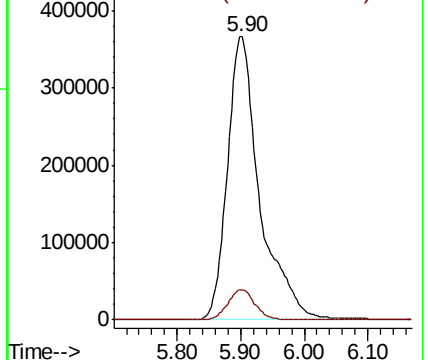
43 100

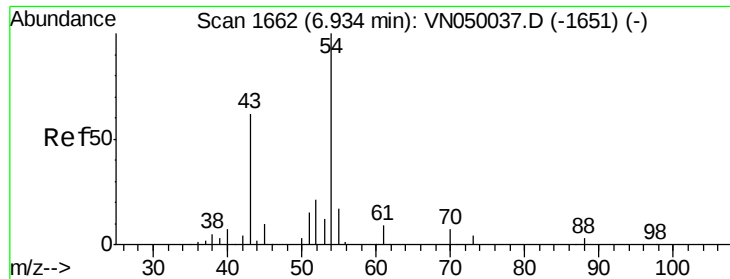
86 9.0 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 15.18 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

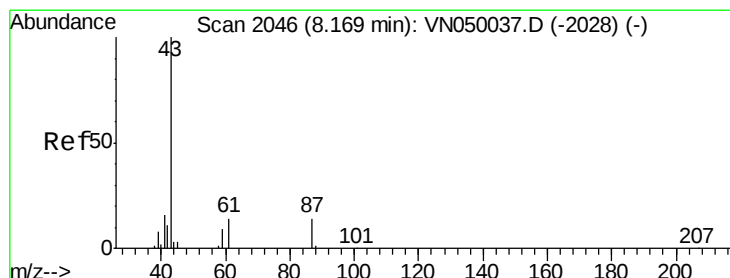
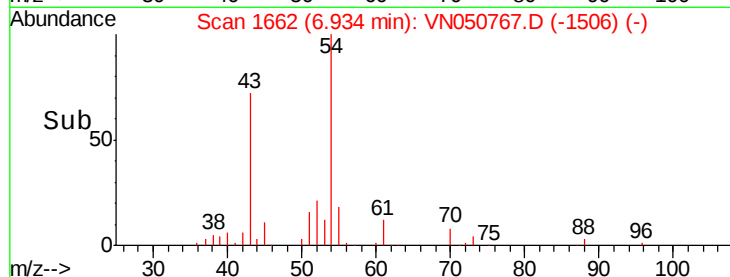
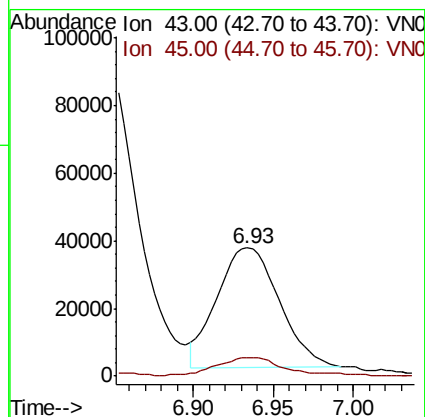
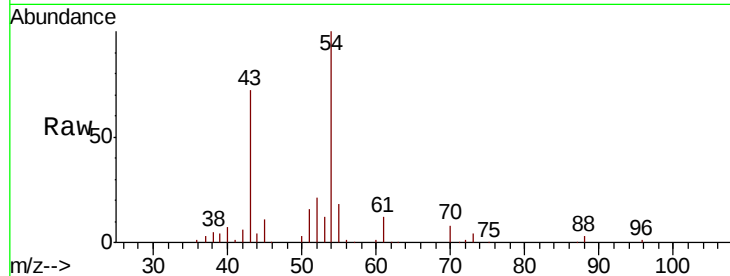
VN0820WBSD01

Tot Ion: 43 Resp: 95115

Ion Ratio Lower Upper

43 100

45 14.3 13.0 19.6



#44

Isopropyl Acetate

Concen: 16.30 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050767.D

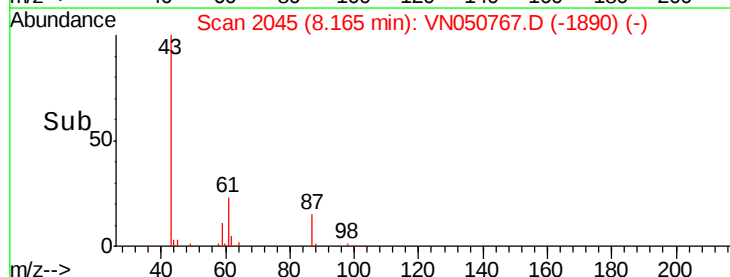
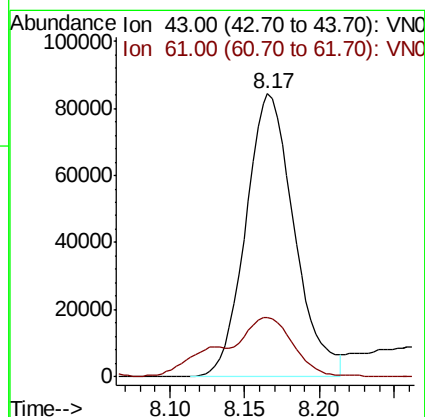
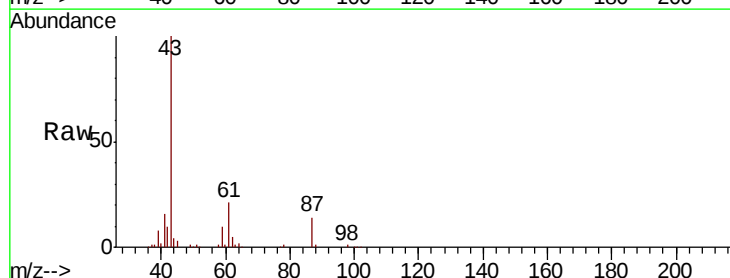
Acq: 20 Aug 2018 12:08

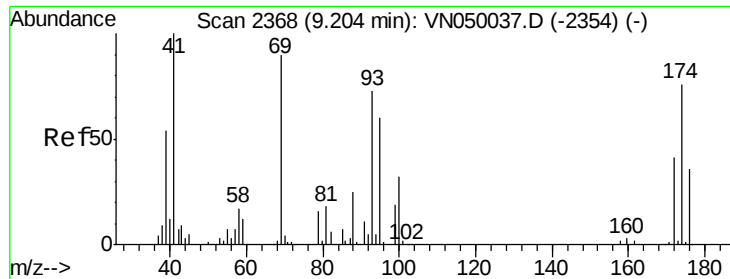
Tgt Ion: 43 Resp: 189216

Ion Ratio Lower Upper

43 100

61 21.2 16.4 24.6





#45

1,4-Dioxane

Concen: 336.78 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

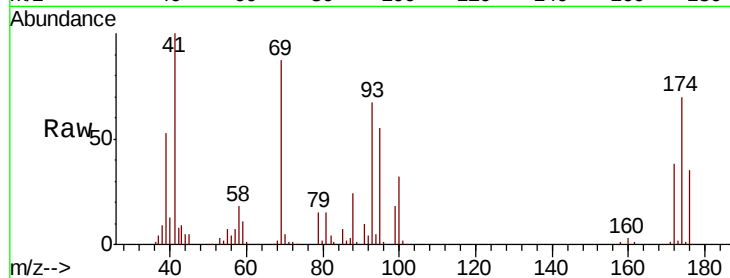
Tot Ion: 88 Resp: 25719

Ion Ratio Lower Upper

88 100

43 35.7 26.9 40.3

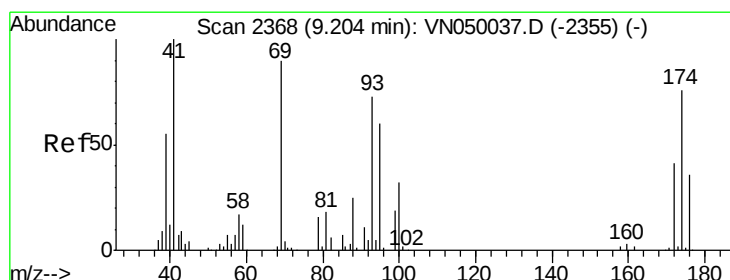
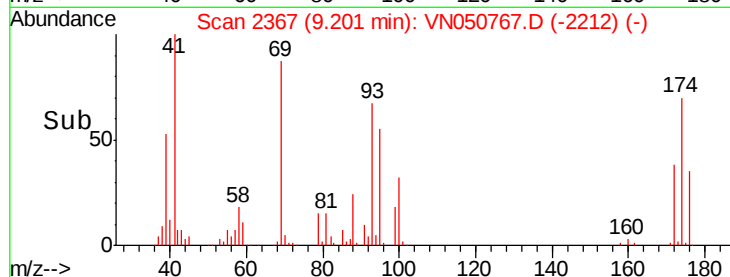
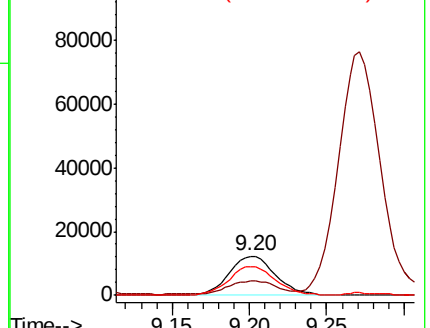
58 73.7 53.6 80.4



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: 16.25 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

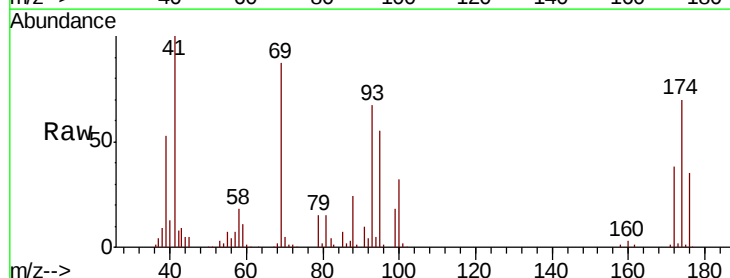
Tgt Ion: 41 Resp: 91416

Ion Ratio Lower Upper

41 100

69 88.1 44.0 132.1

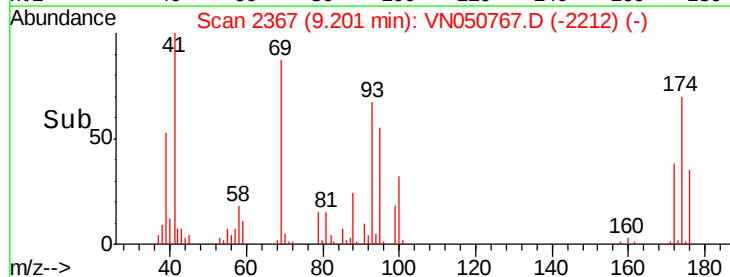
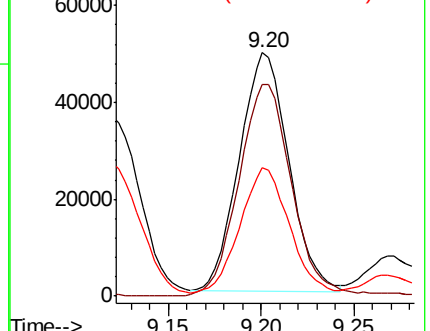
39 52.3 27.0 80.8

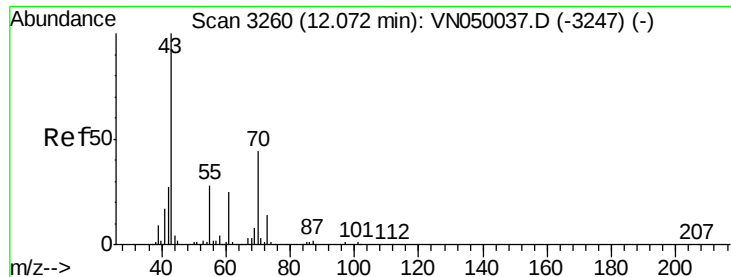


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

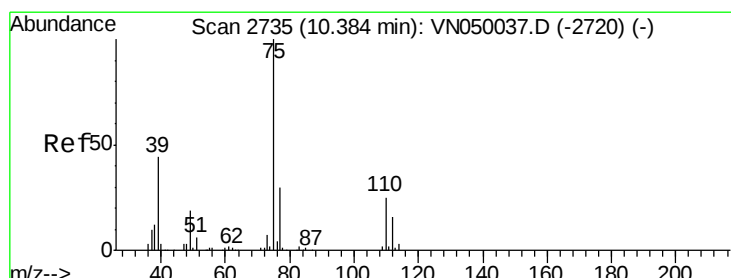
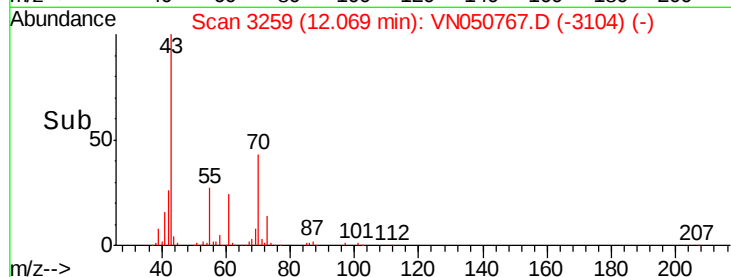
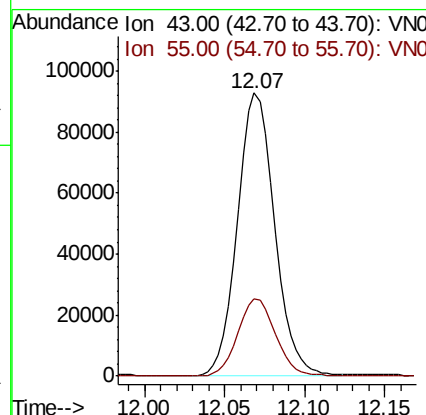
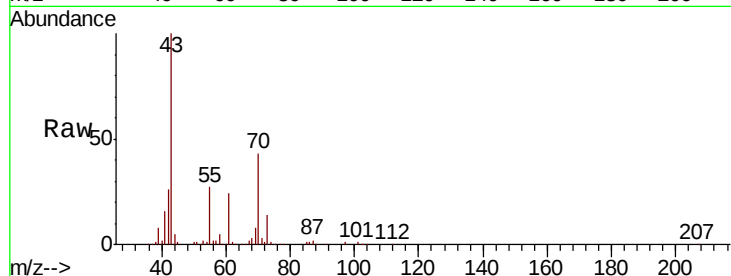




#47
n-amvl Acetate
Concen: 16.13 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

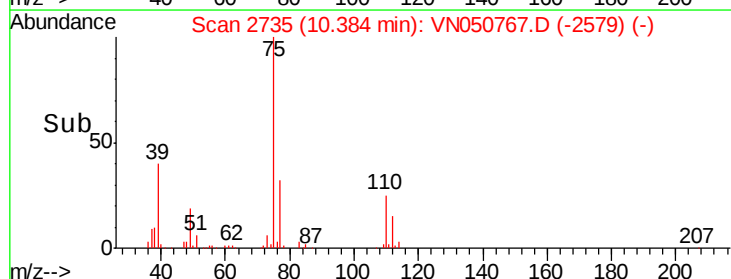
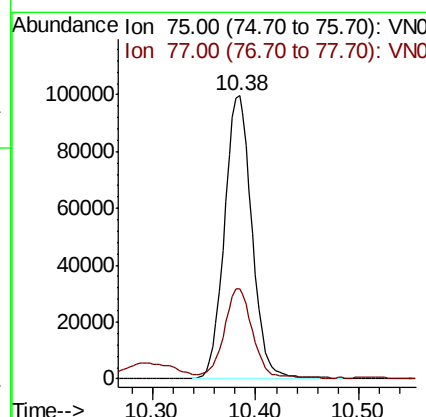
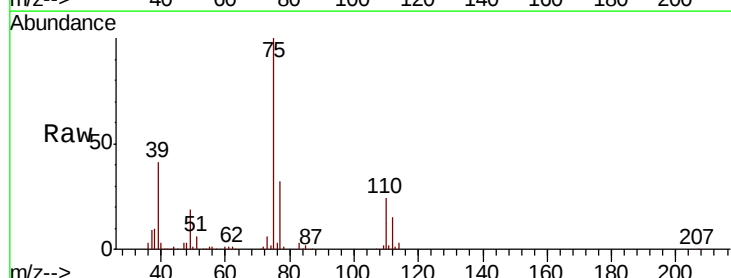
Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD01

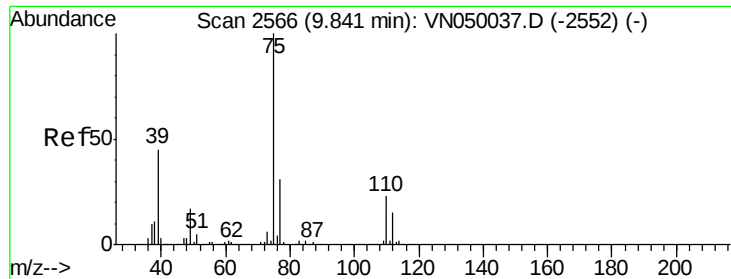
Tot Ion: 43 Resp: 145705
Ion Ratio Lower Upper
43 100
55 28.0 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 19.44 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 75 Resp: 184768
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0



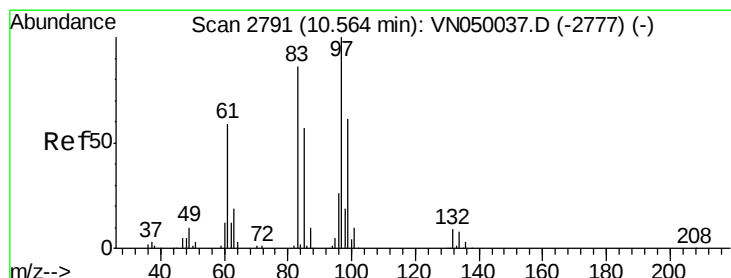
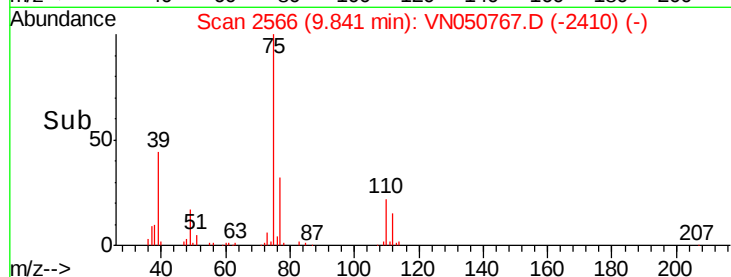
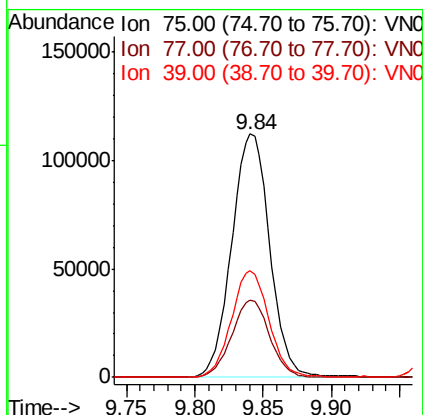
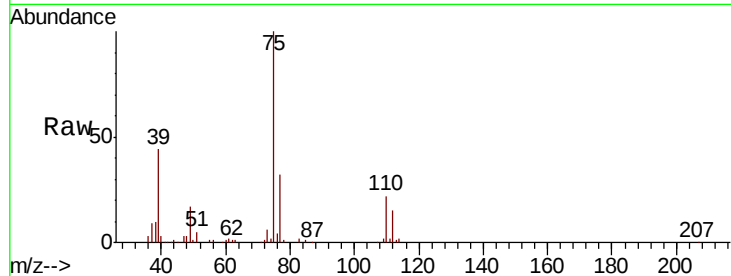


#49

cis-1,3-Dichloropropene
 Concen: 19.45 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBSD01

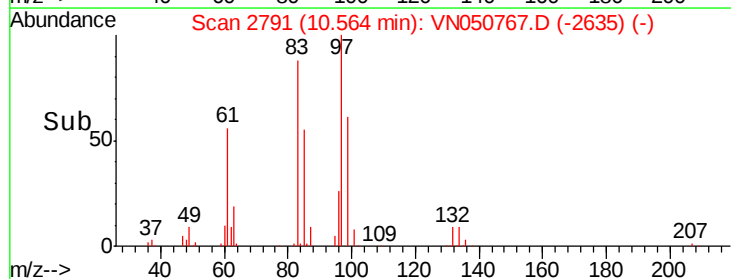
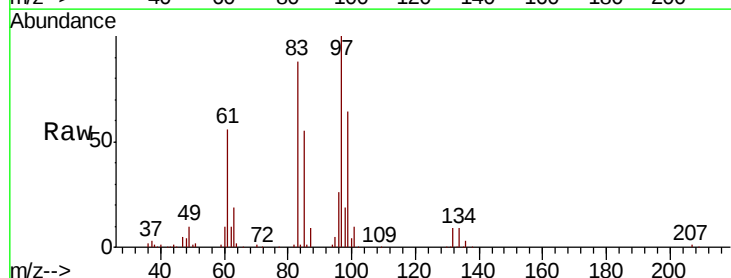
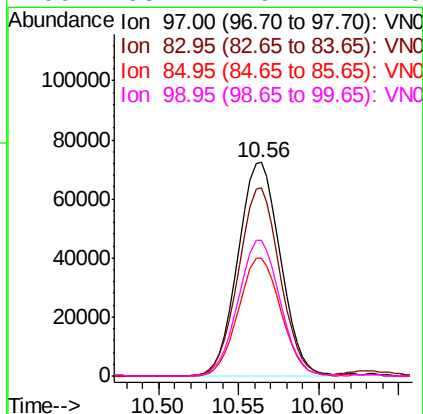
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5
39	43.7	36.3	54.5

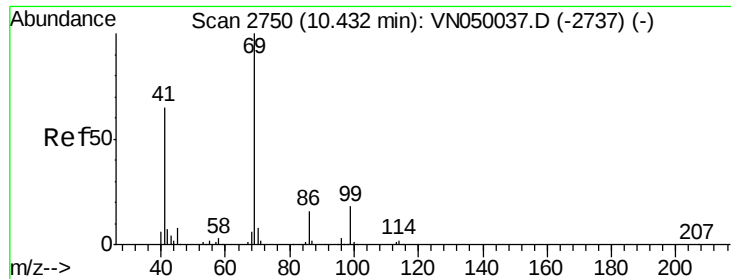


#50

1,1,2-Trichloroethane
 Concen: 19.31 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.1	102.1
85	55.4	45.4	68.2
99	63.7	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.35 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0820WBSD01

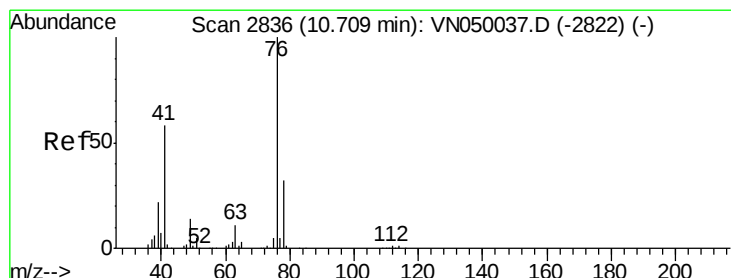
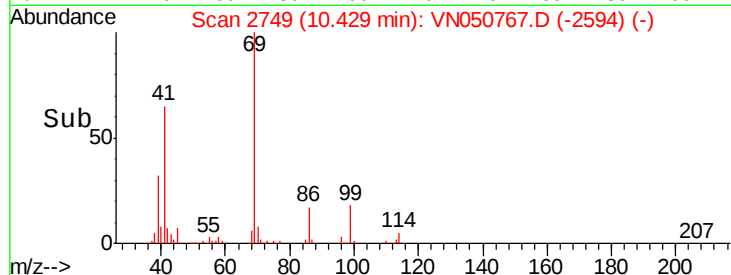
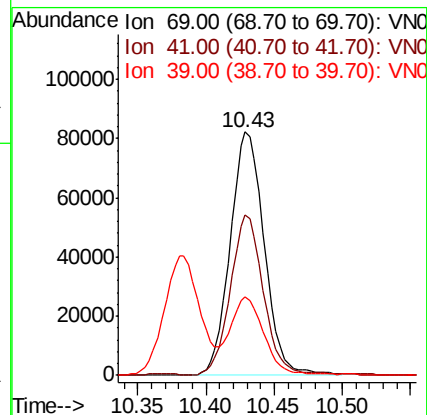
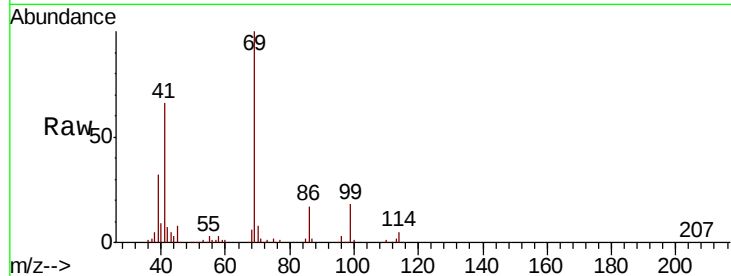
Tot Ion: 69 Resp: 142909

Ion Ratio Lower Upper

69 100

41 65.4 31.9 95.9

39 31.7 16.7 50.1



#52

1,3-Dichloropropane

Concen: 19.25 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050767.D

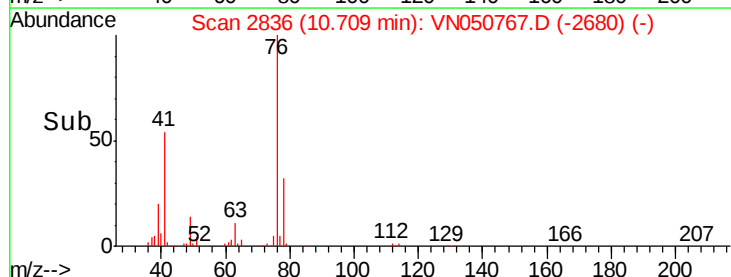
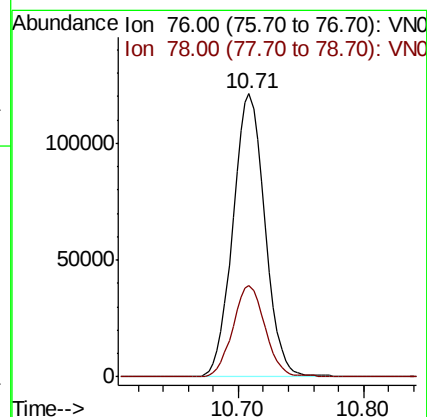
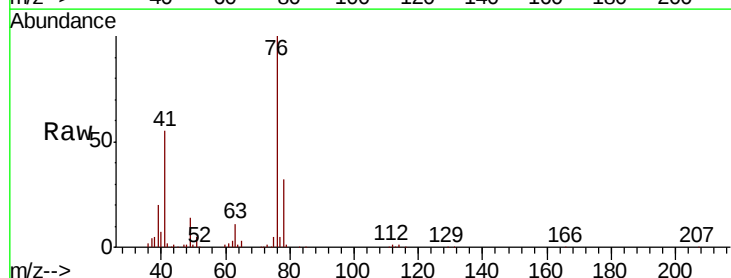
Acq: 20 Aug 2018 12:08

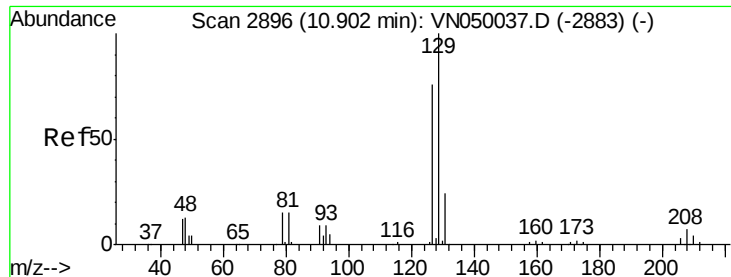
Tgt Ion: 76 Resp: 214517

Ion Ratio Lower Upper

76 100

78 32.4 0.0 65.6





#53

Dibromochloromethane

Concen: 19.13 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

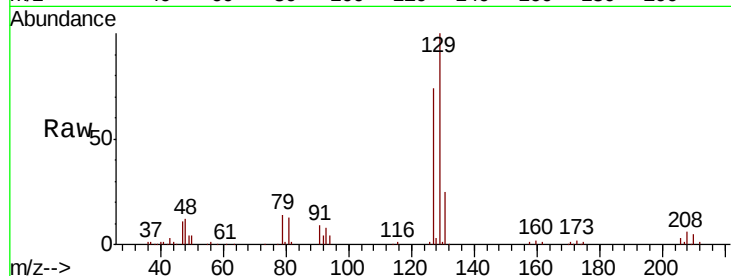
VN0820WBSD01

Tot Ion:129 Resp: 147298

Ion Ratio Lower Upper

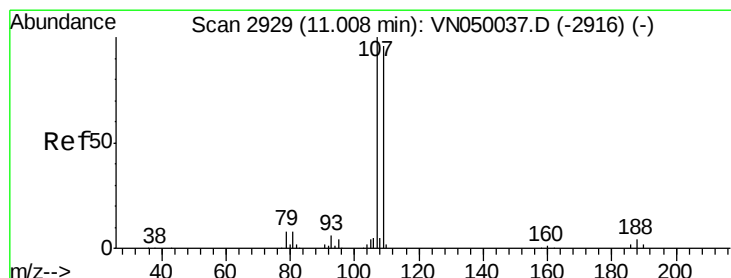
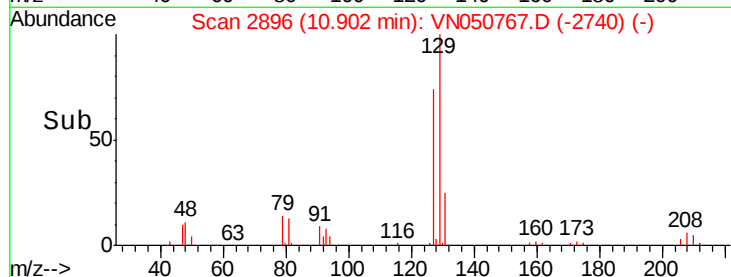
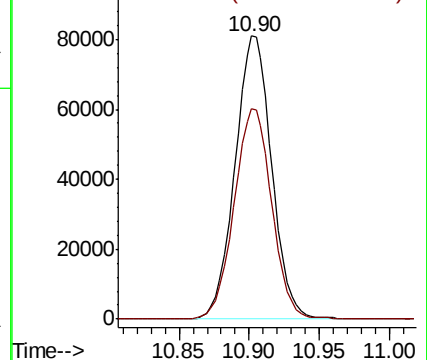
129 100

127 76.0 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.30 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050767.D

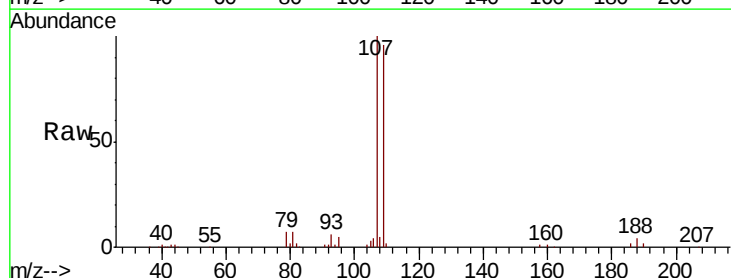
Acq: 20 Aug 2018 12:08

Tgt Ion:107 Resp: 121614

Ion Ratio Lower Upper

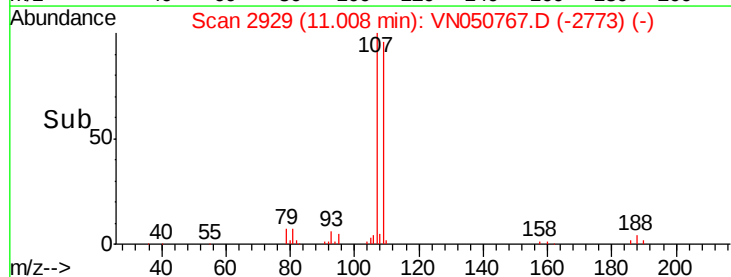
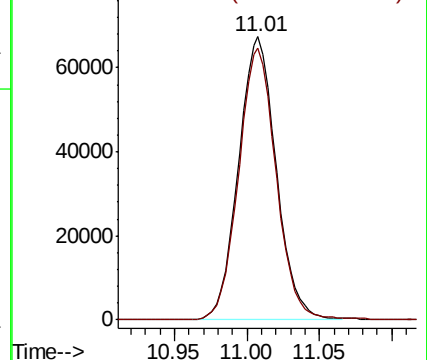
107 100

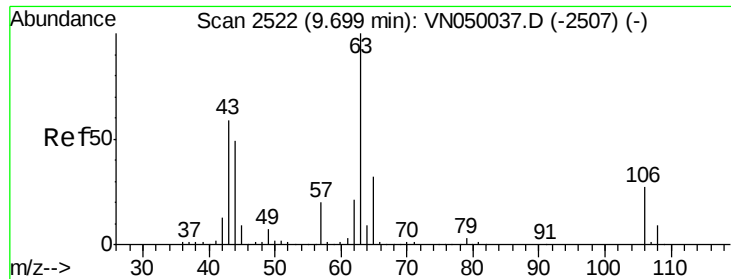
109 95.7 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

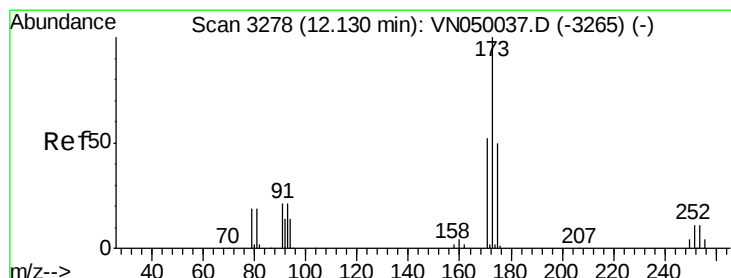
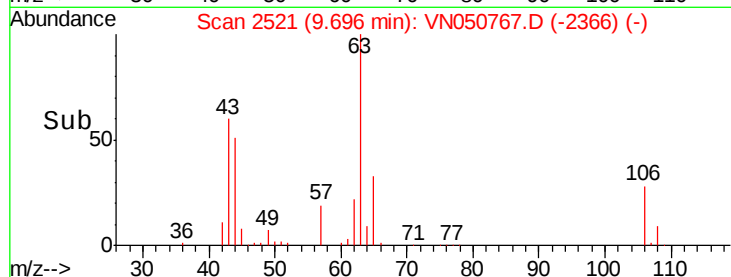
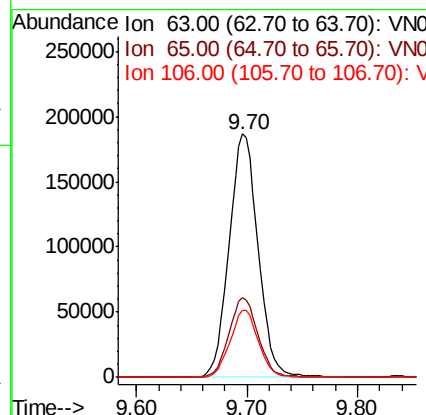
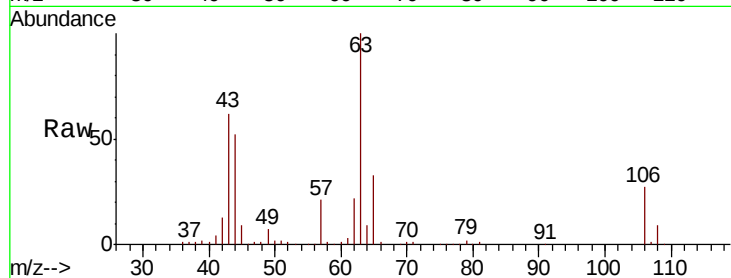




#55
2-Chloroethyl vinyl ether
Concen: 91.11 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

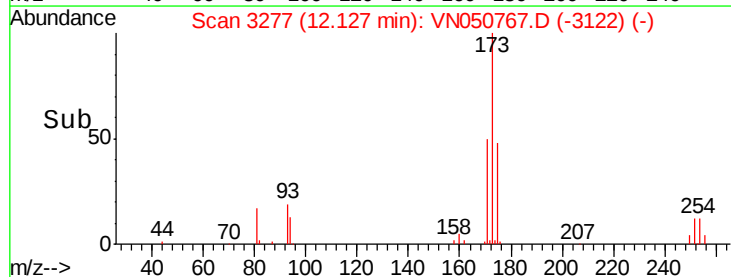
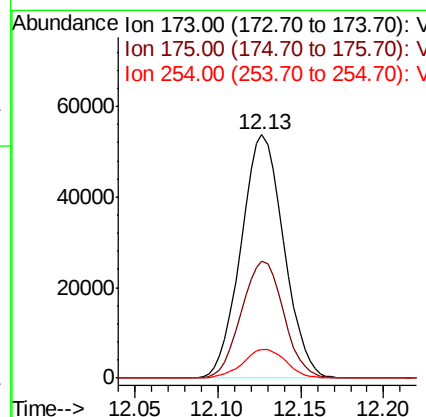
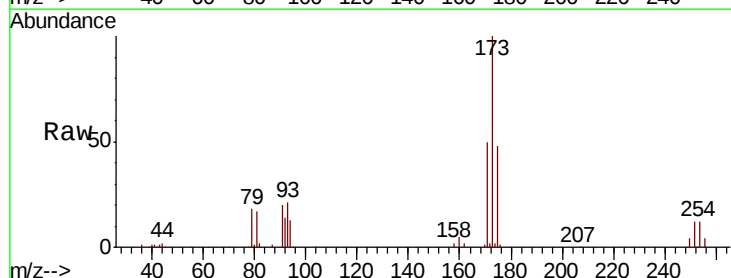
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

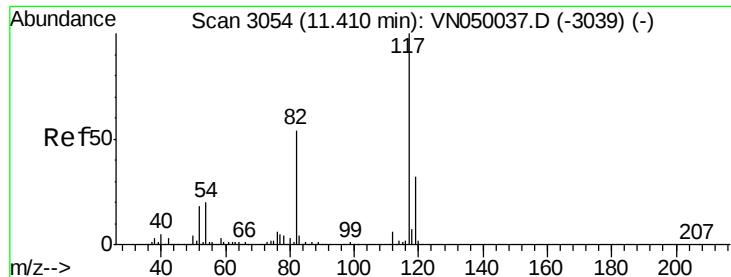
Tot Ion: 63 Resp: 339630
Ion Ratio Lower Upper
63 100
65 32.9 25.5 38.3
106 27.0 21.8 32.6



#56
Bromoform
Concen: 17.79 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 173 Resp: 96718
Ion Ratio Lower Upper
173 100
175 47.4 38.6 57.8
254 11.9 8.8 13.2

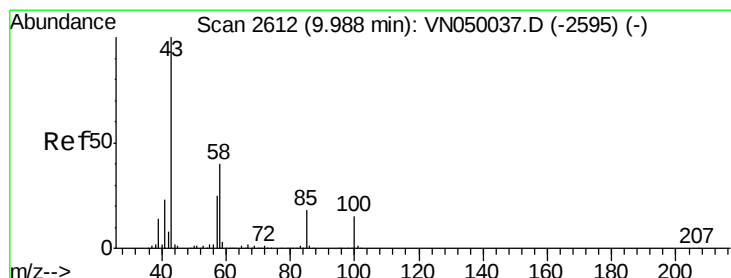
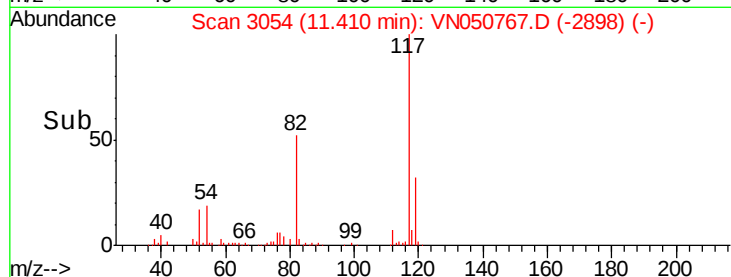
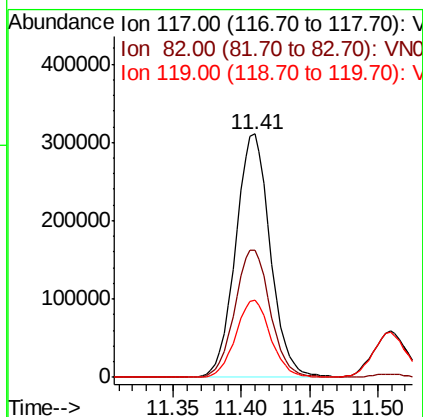
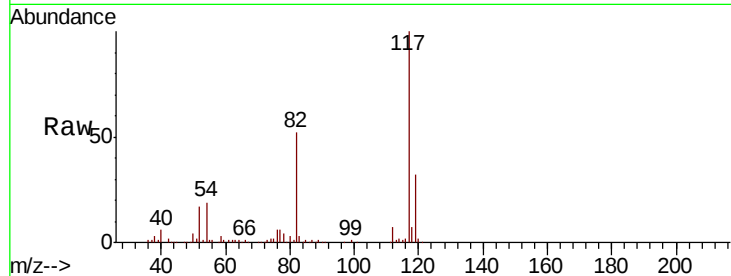




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

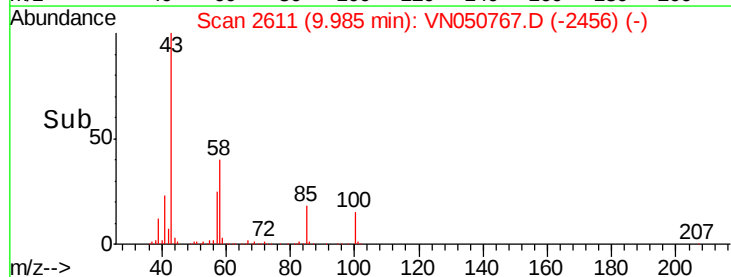
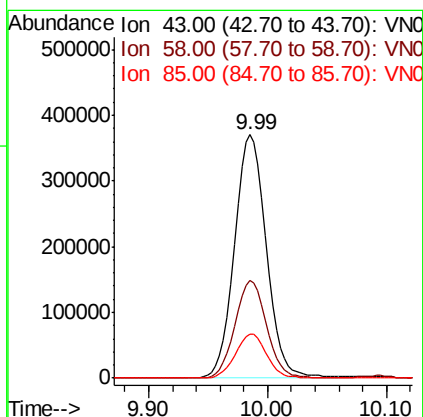
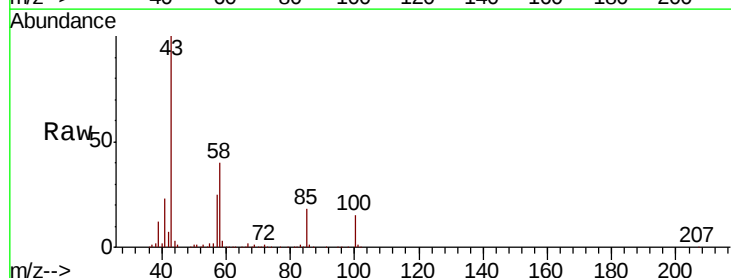
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

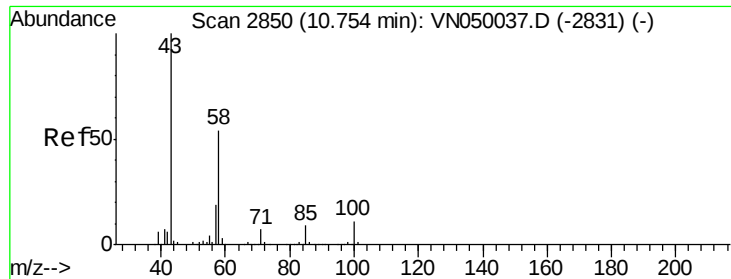
Tot Ion:117 Resp: 546874
Ion Ratio Lower Upper
117 100
82 53.7 42.4 63.6
119 32.2 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 107.24 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 43 Resp: 682433
Ion Ratio Lower Upper
43 100
58 40.2 31.2 46.8
85 17.9 14.4 21.6

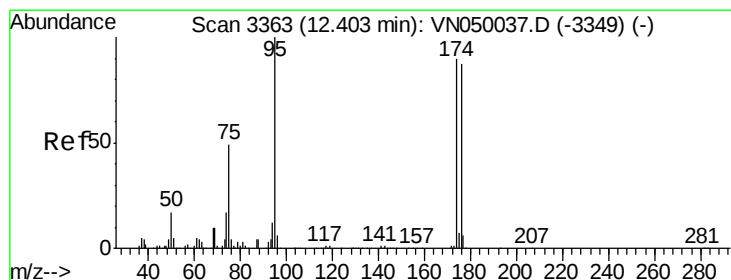
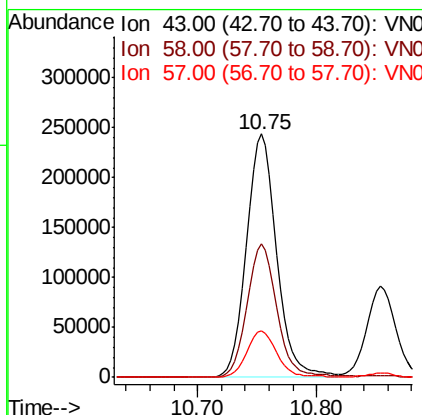
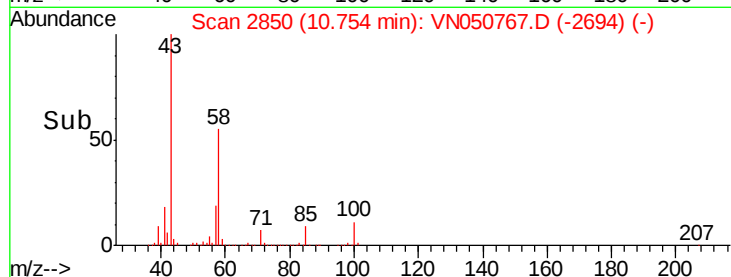
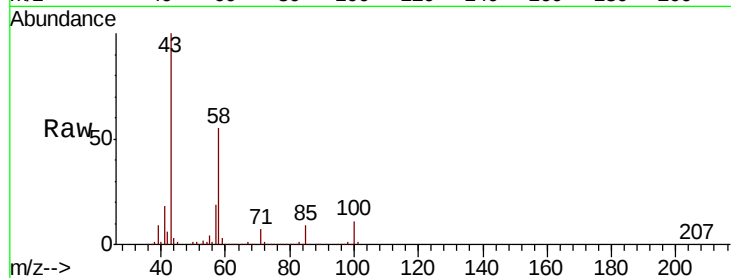




#59
2-Hexanone
Concen: 98.39 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

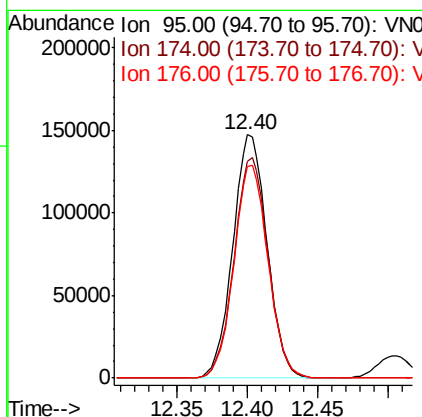
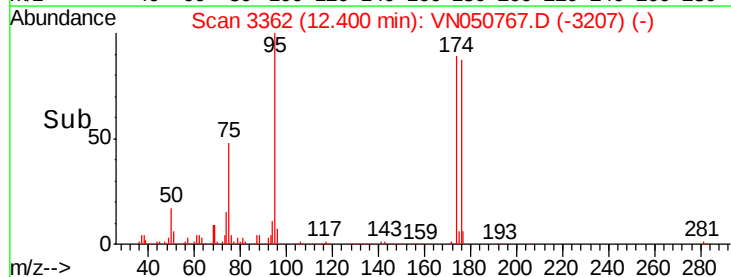
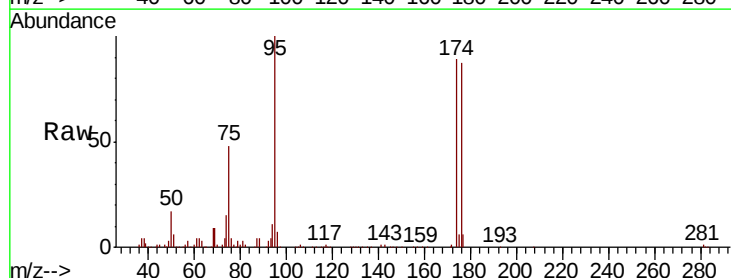
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

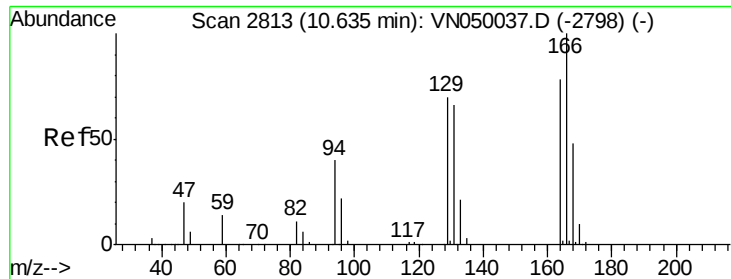
Tot Ion: 43 Resp: 427147
Ion Ratio Lower Upper
43 100
58 54.6 43.8 65.8
57 19.1 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.79 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 95 Resp: 250254
Ion Ratio Lower Upper
95 100
174 90.2 72.3 108.5
176 87.2 70.0 105.0





#61

Tetrachloroethene

Concen: 19.17 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

Tot Ion:164 Resp: 141997

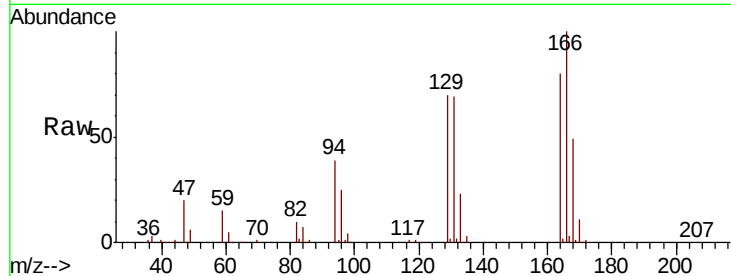
Ion Ratio Lower Upper

164 100

166 125.1 100.0 150.0

129 87.8 69.3 103.9

131 86.2 68.8 103.2

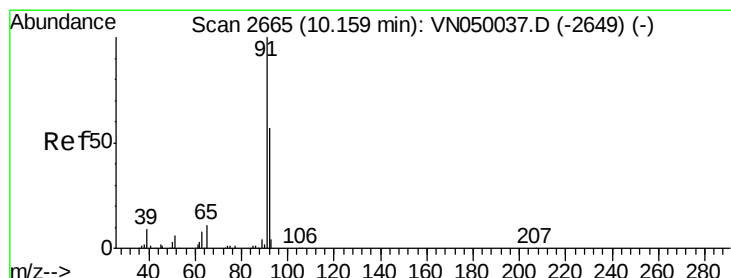
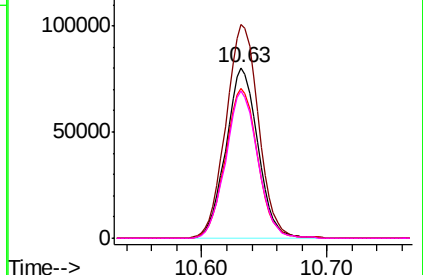
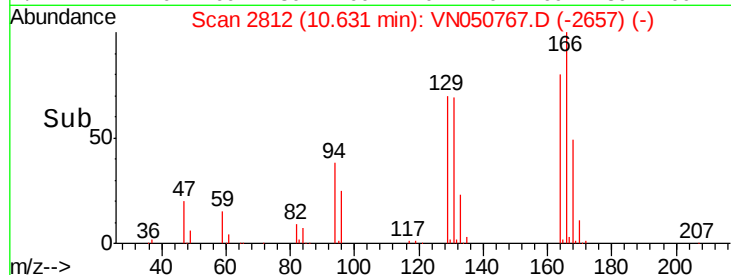


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.16 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050767.D

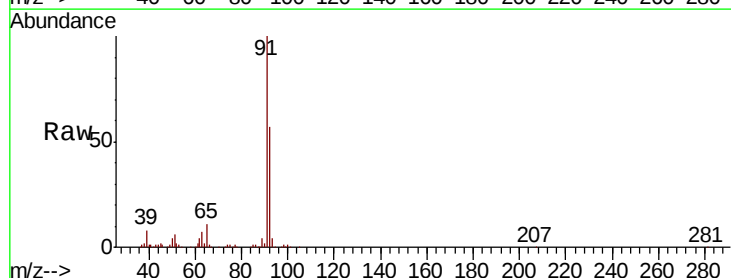
Acq: 20 Aug 2018 12:08

Tgt Ion: 91 Resp: 628886

Ion Ratio Lower Upper

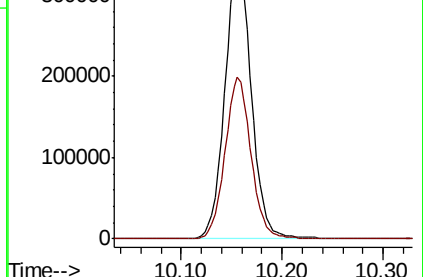
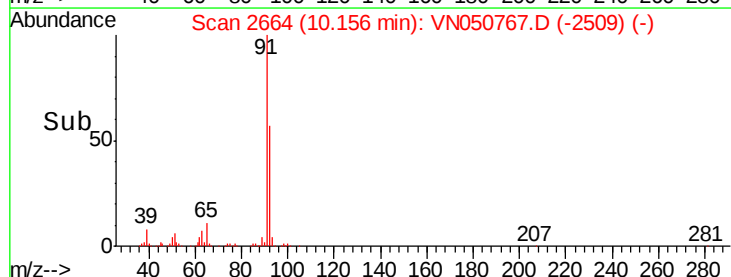
91 100

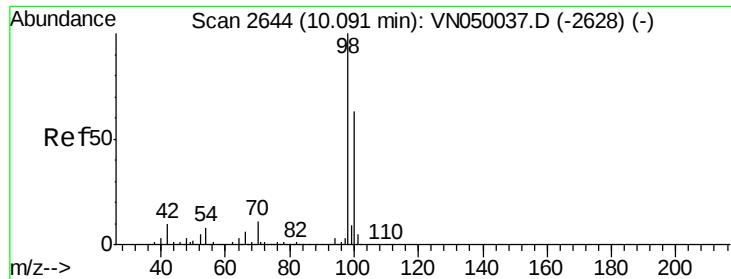
92 56.9 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.31 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

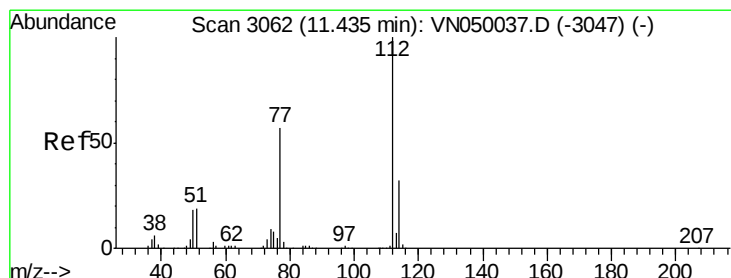
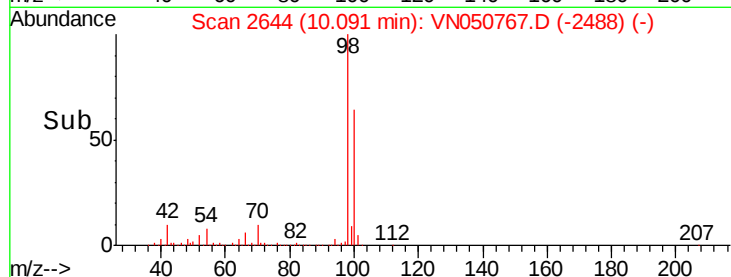
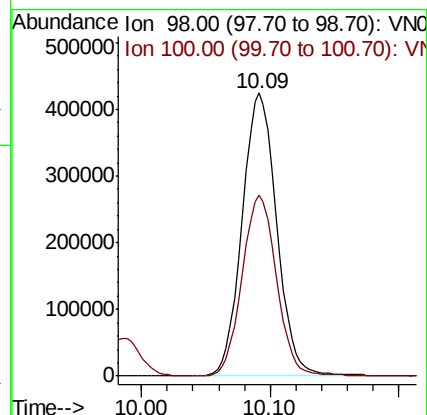
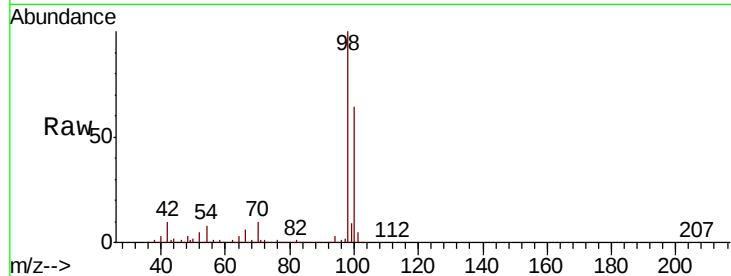
VN0820WBSD01

Tot Ion: 98 Resp: 791705

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



#64

Chlorobenzene

Concen: 20.23 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050767.D

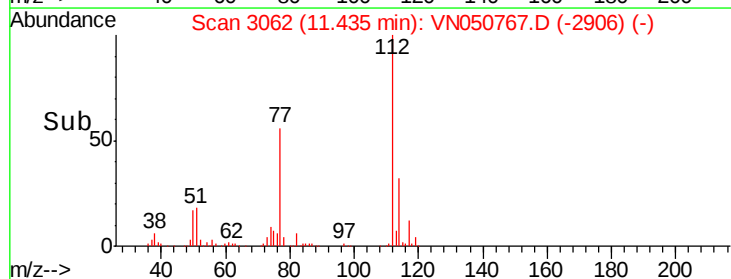
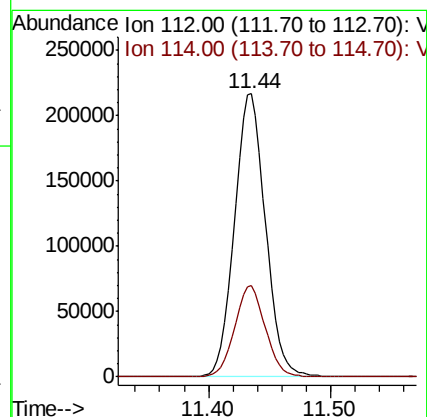
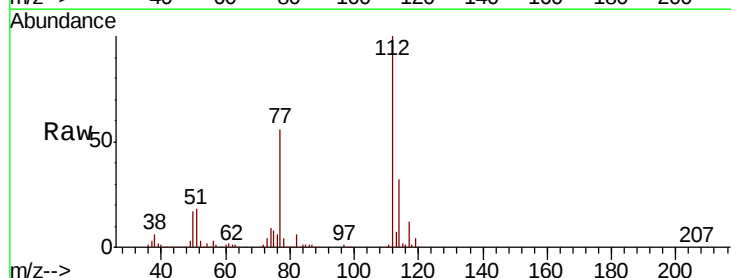
Acq: 20 Aug 2018 12:08

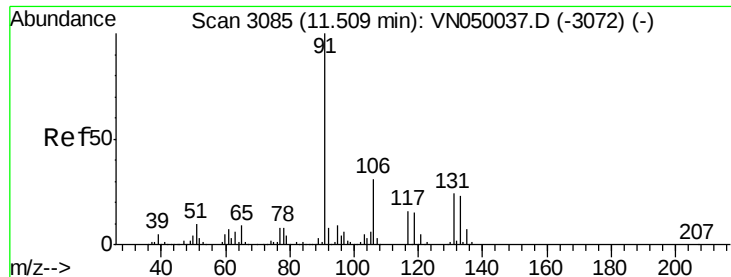
Tgt Ion: 112 Resp: 382788

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.87 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

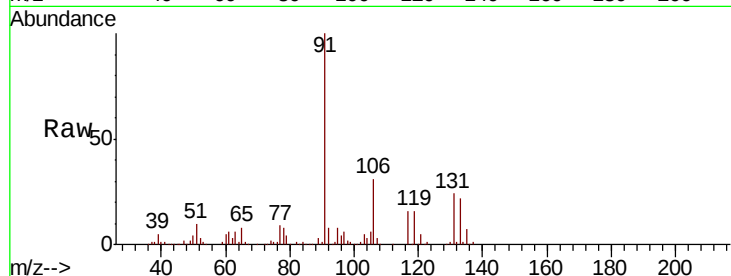
Tot Ion:131 Resp: 146670

Ion Ratio Lower Upper

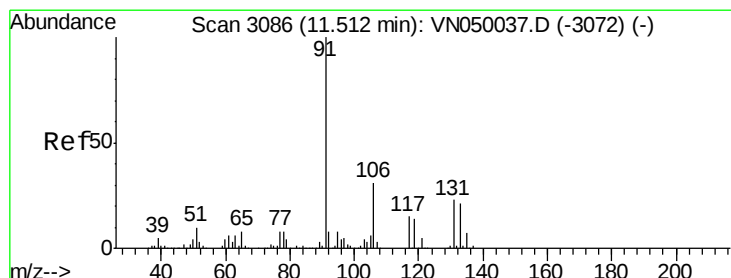
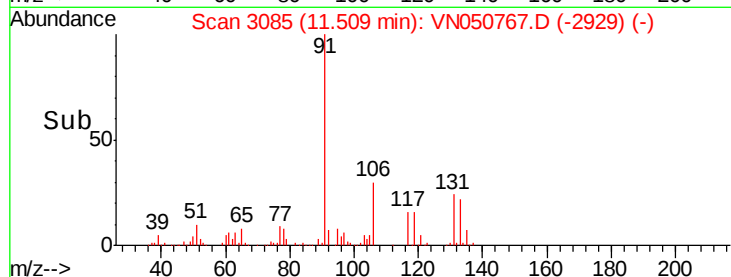
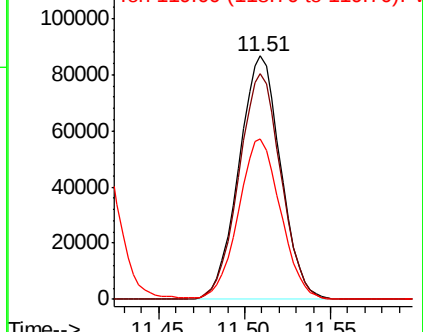
131 100

133 93.6 0.0 190.0

119 66.5 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: 19.69 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050767.D

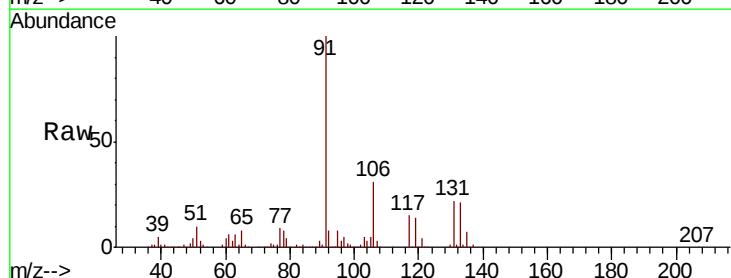
Acq: 20 Aug 2018 12:08

Tgt Ion: 91 Resp: 627717

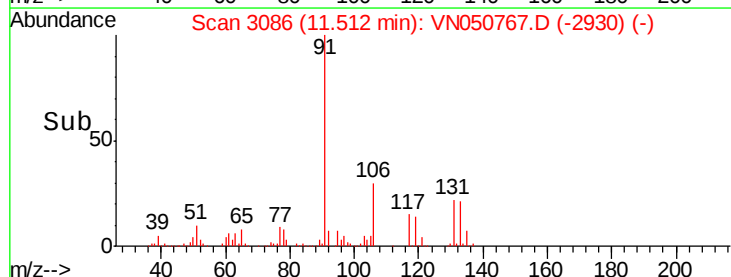
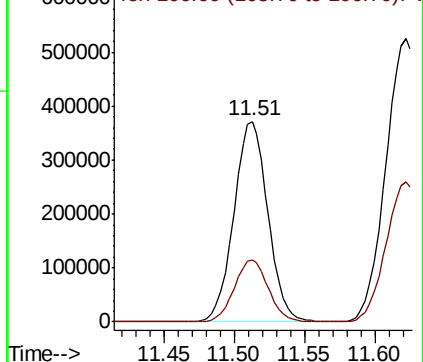
Ion Ratio Lower Upper

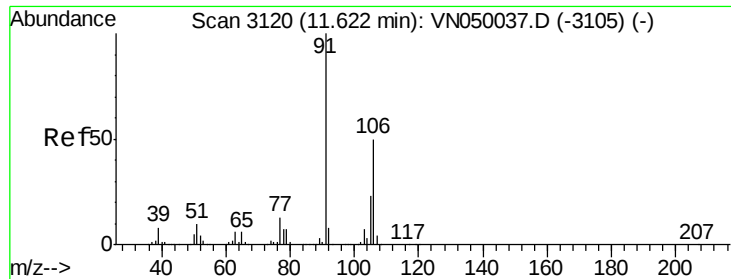
91 100

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: 40.78 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampled :

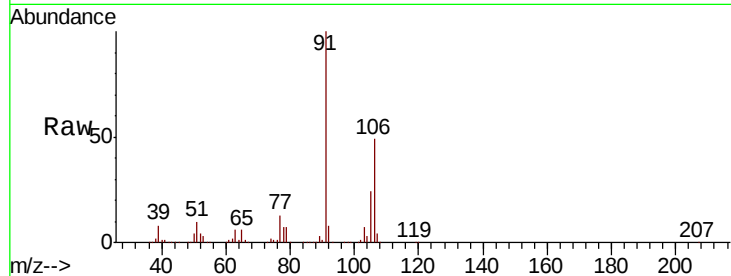
VN0820WBSD01

Tot Ion:106 Resp: 500378

Ion Ratio Lower Upper

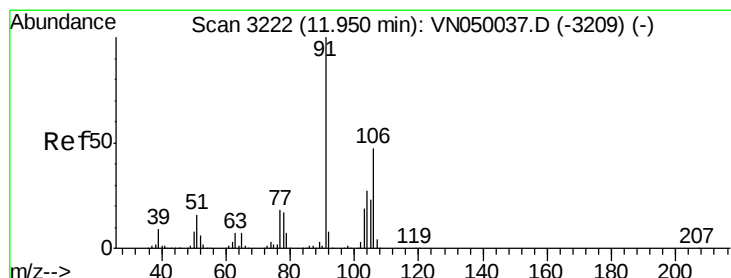
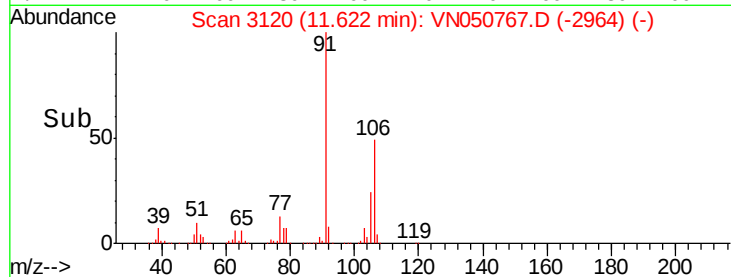
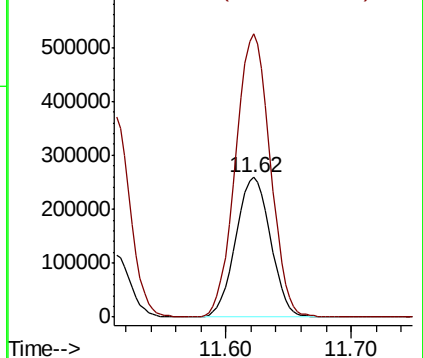
106 100

91 201.4 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.36 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050767.D

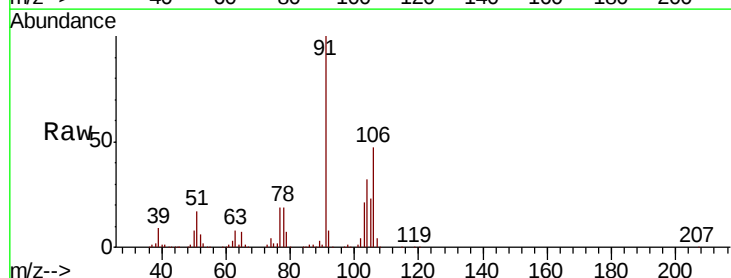
Acq: 20 Aug 2018 12:08

Tgt Ion:106 Resp: 237746

Ion Ratio Lower Upper

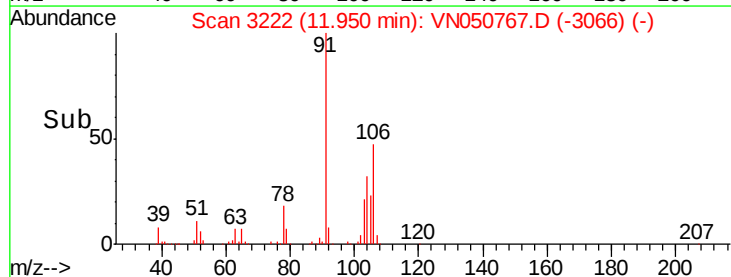
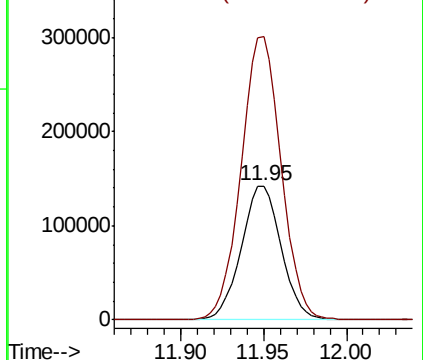
106 100

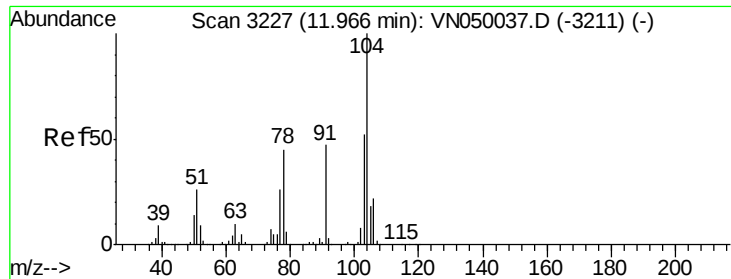
91 212.4 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

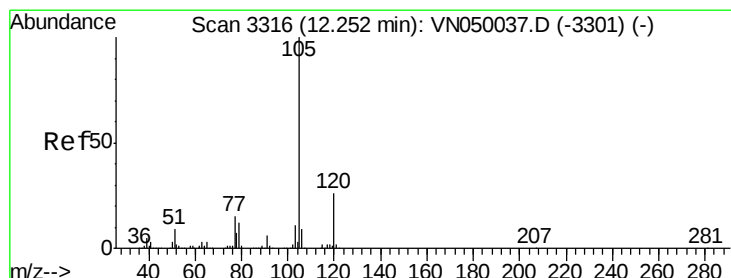
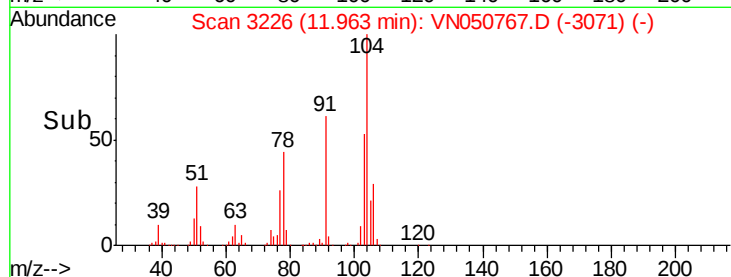
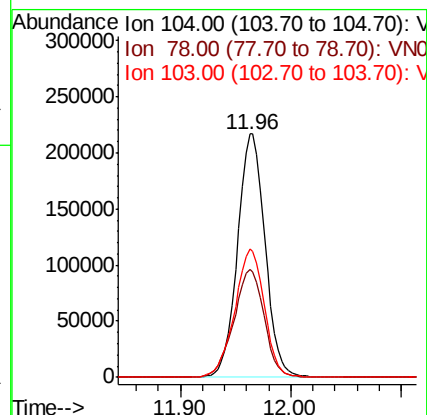
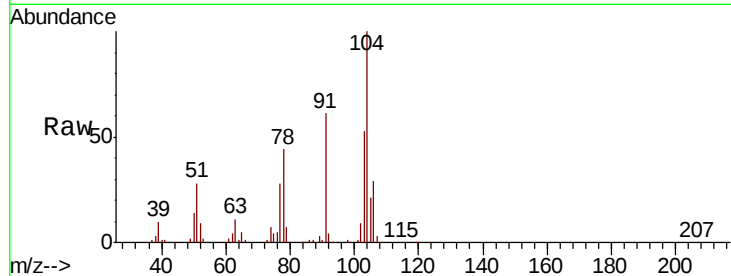




#69
Stvrene
Concen: 20.09 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

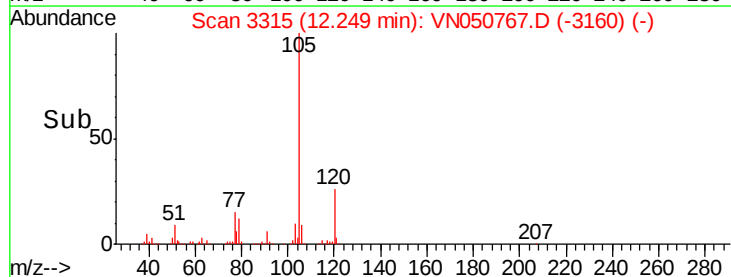
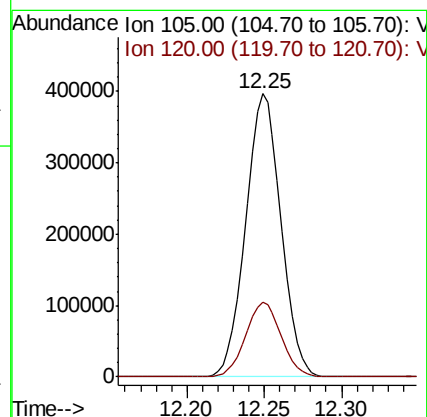
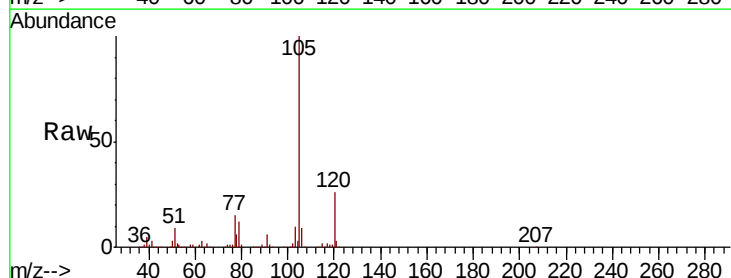
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

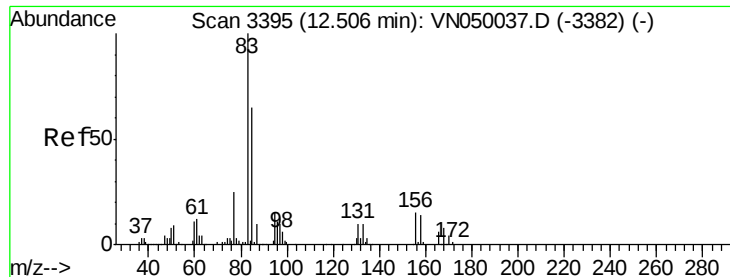
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	56.6	44.5	66.7



#70
Isopropylbenzene
Concen: 20.26 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 18.75 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

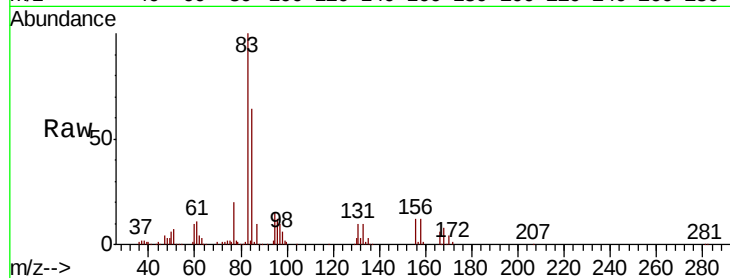
Tot Ion: 83 Resp: 160071

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

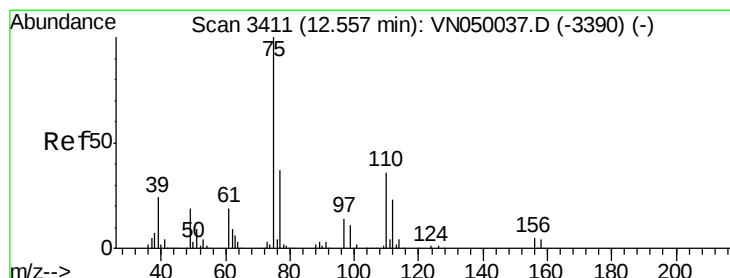
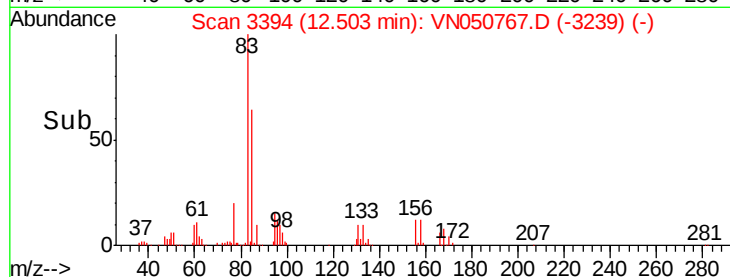
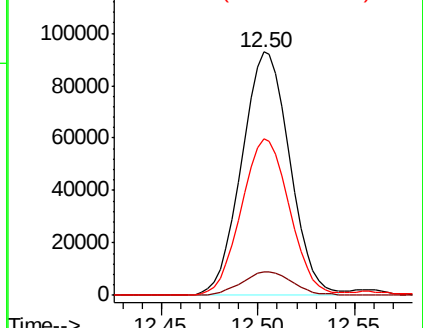
85 64.7 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 24.68 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050767.D

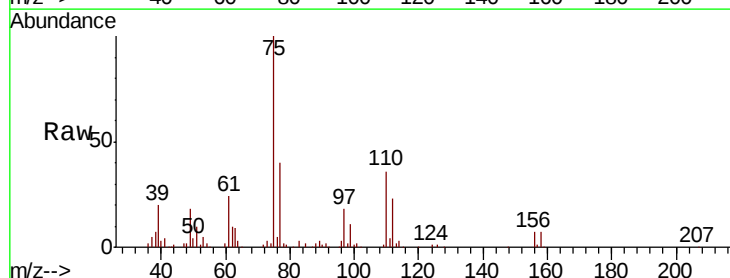
Acq: 20 Aug 2018 12:08

Tgt Ion: 75 Resp: 179929

Ion Ratio Lower Upper

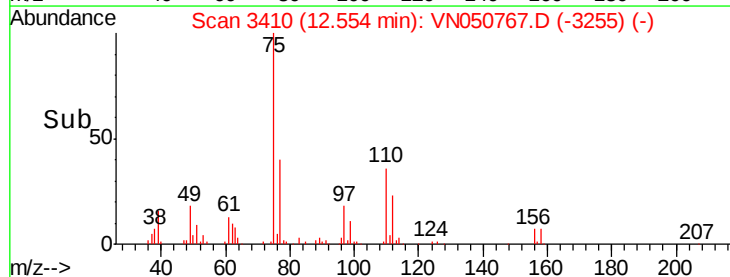
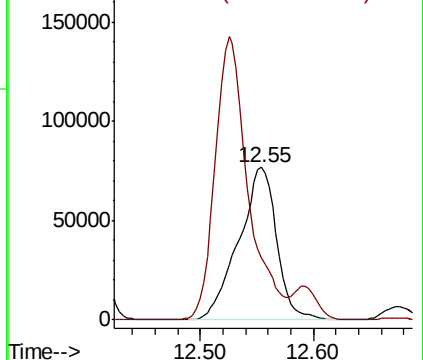
75 100

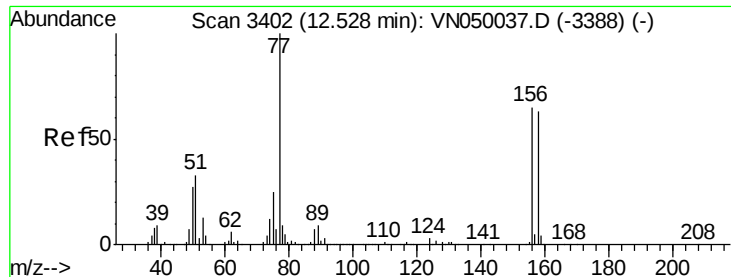
77 161.4 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.32 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

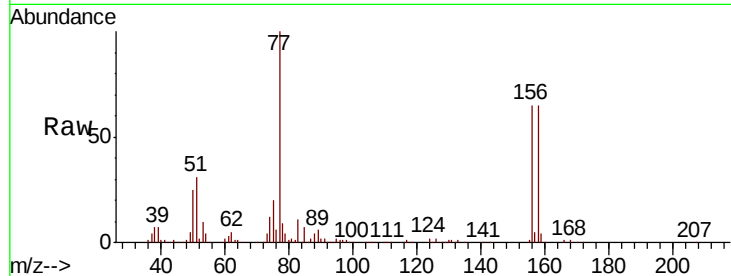
Tot Ion:156 Resp: 160064

Ion Ratio Lower Upper

156 100

77 181.4 0.0 359.8

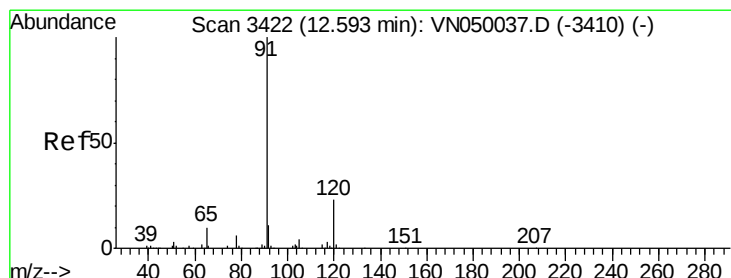
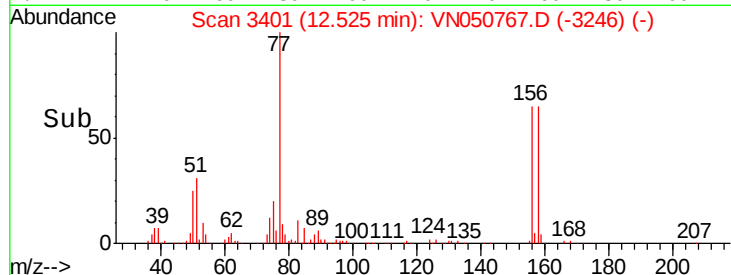
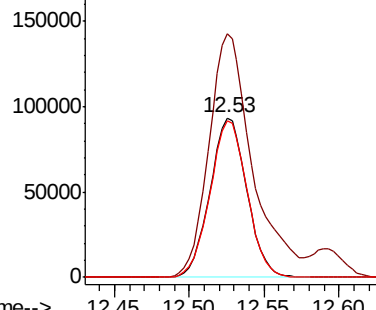
158 98.8 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.48 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050767.D

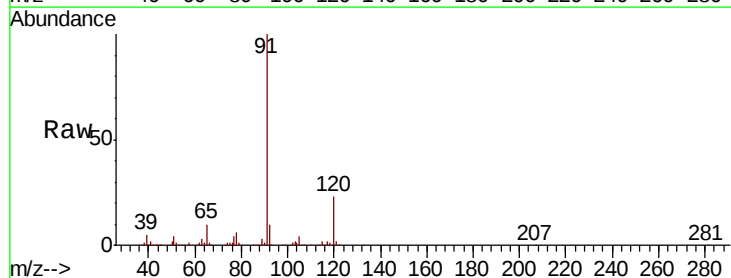
Acq: 20 Aug 2018 12:08

Tgt Ion: 91 Resp: 705523

Ion Ratio Lower Upper

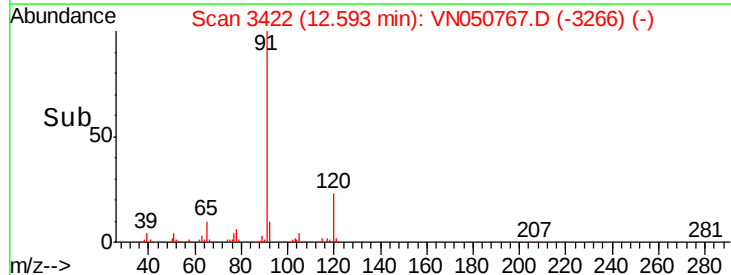
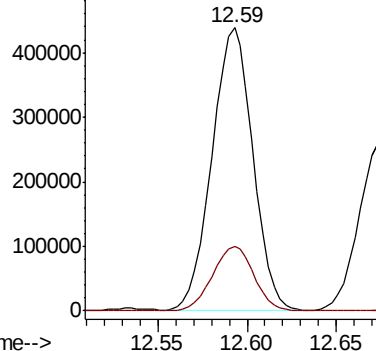
91 100

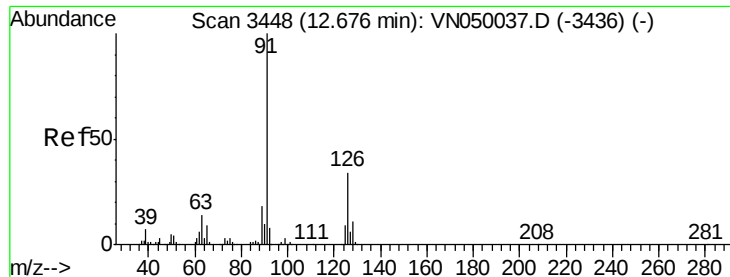
120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.21 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

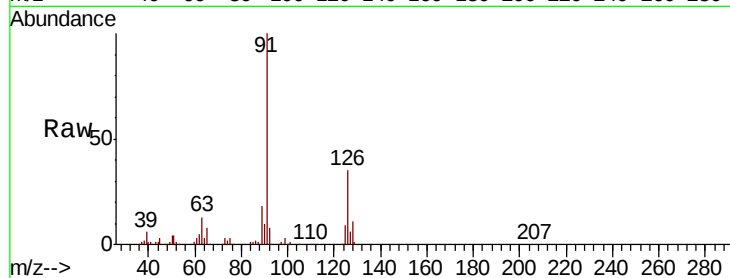
VN0820WBSD01

Tot Ion: 91 Resp: 439606

Ion Ratio Lower Upper

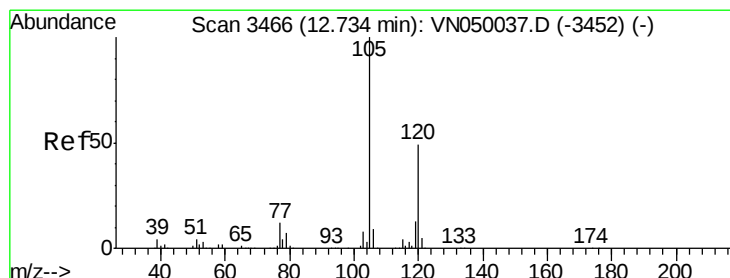
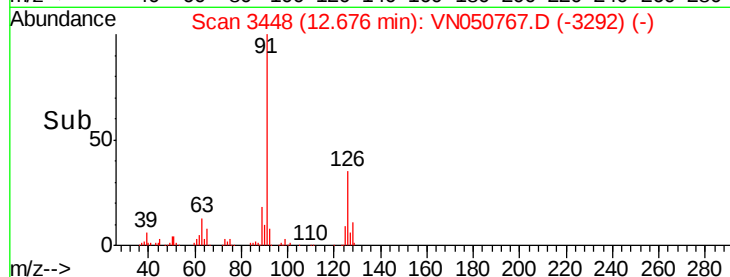
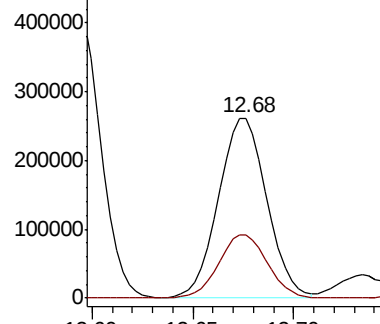
91 100

126 35.5 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: 20.44 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050767.D

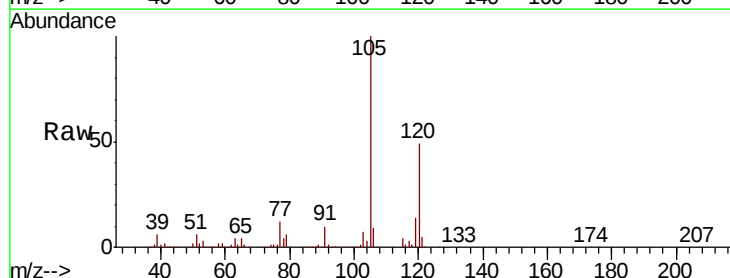
Acq: 20 Aug 2018 12:08

Tgt Ion:105 Resp: 522091

Ion Ratio Lower Upper

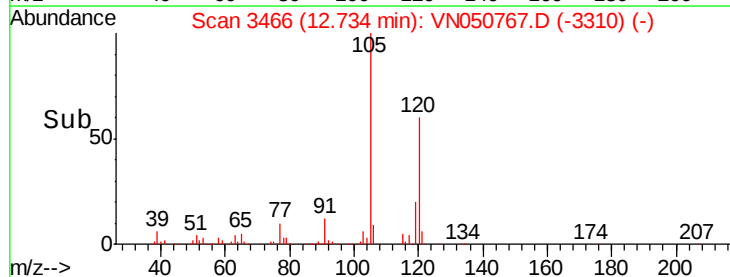
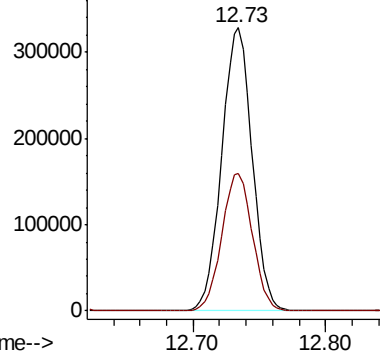
105 100

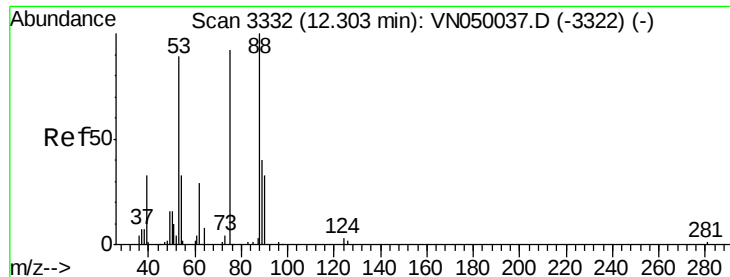
120 49.1 0.0 98.0



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: 14.76 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

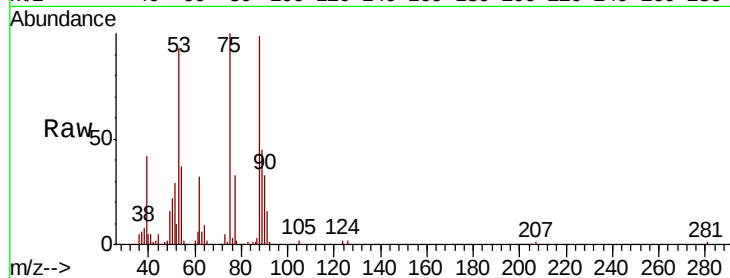
Tot Ion: 75 Resp: 35176

Ion Ratio Lower Upper

75 100

53 91.5 44.6 134.0

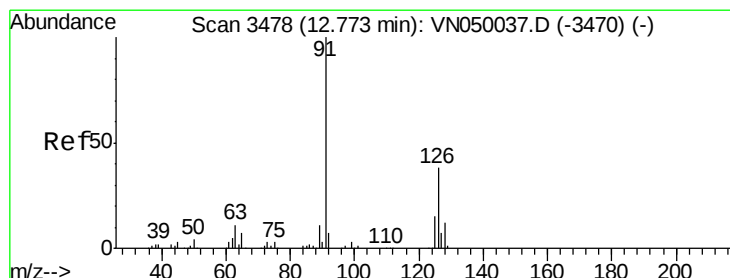
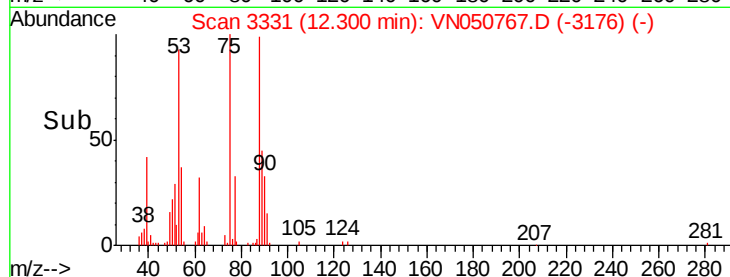
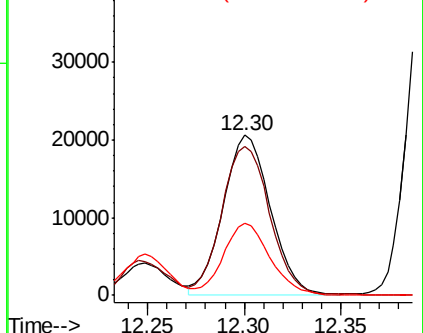
89 45.1 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.70 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050767.D

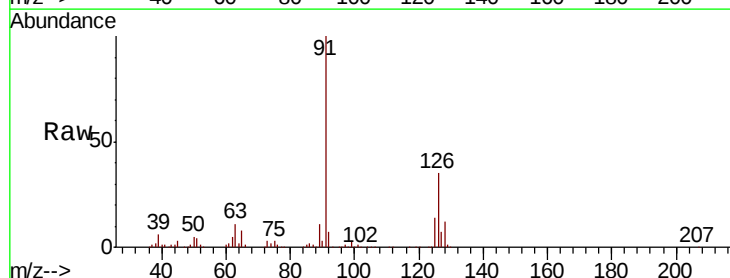
Acq: 20 Aug 2018 12:08

Tgt Ion: 91 Resp: 424527

Ion Ratio Lower Upper

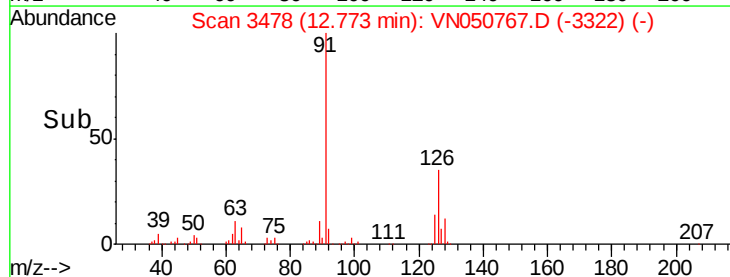
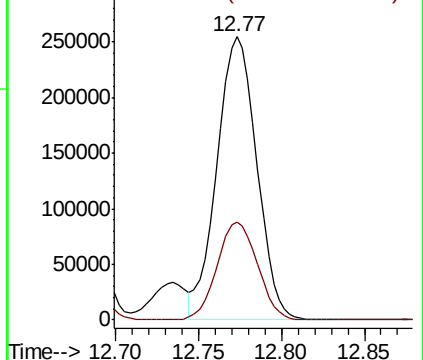
91 100

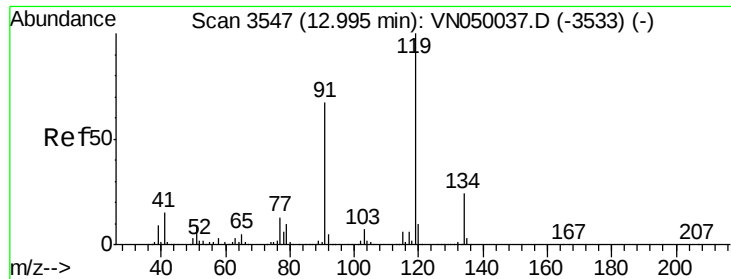
126 35.0 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

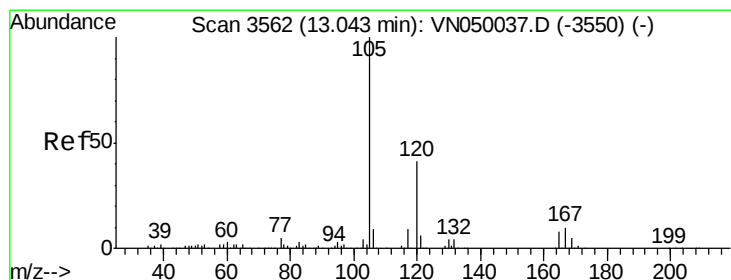
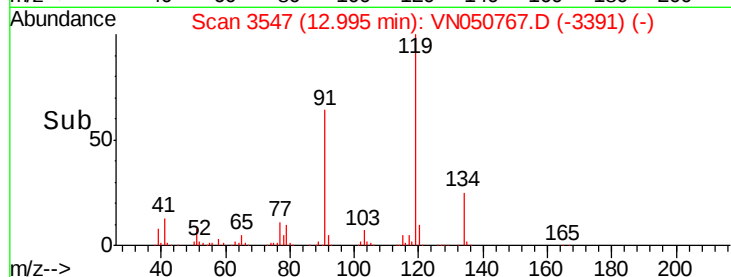
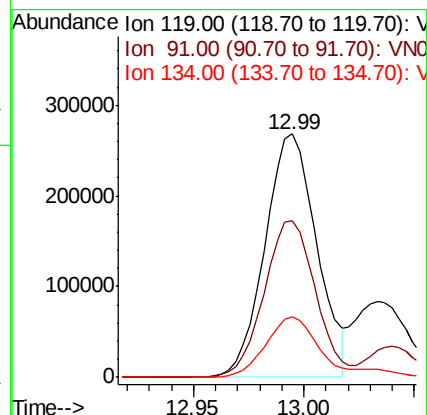
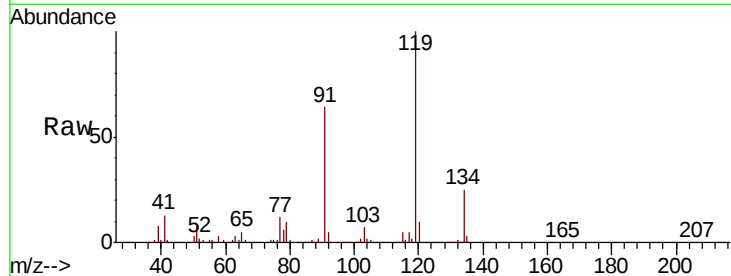




#79
tert-butylbenzene
Concen: 19.97 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

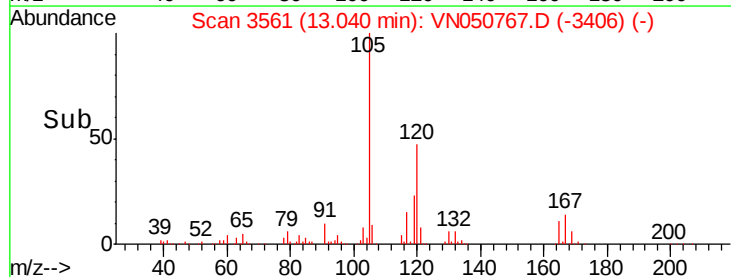
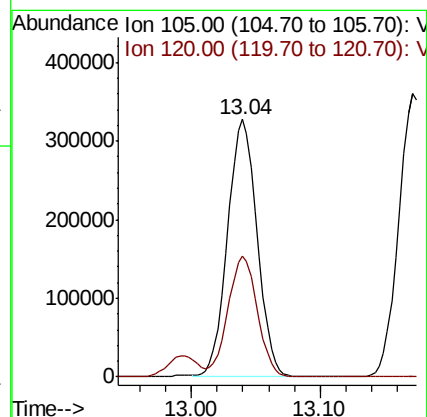
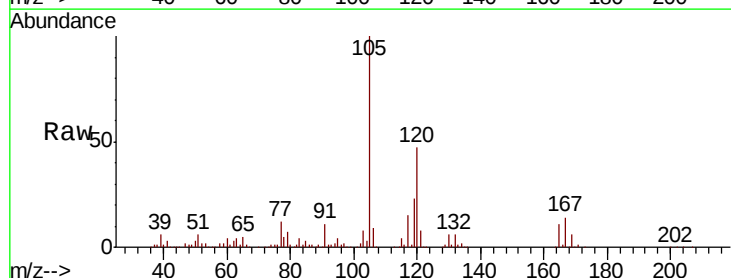
Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD01

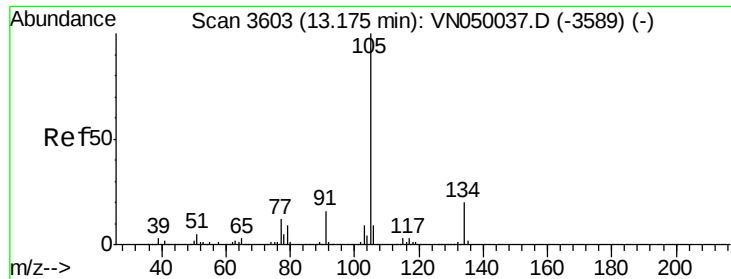
Tot Ion:119 Resp: 436037
Ion Ratio Lower Upper
119 100
91 63.5 0.0 126.8
134 24.6 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 20.08 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion:105 Resp: 519623
Ion Ratio Lower Upper
105 100
120 46.8 0.0 90.6

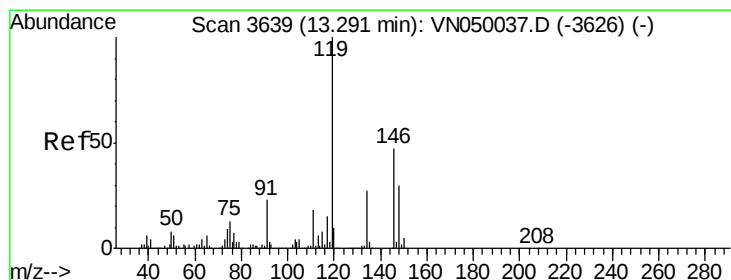
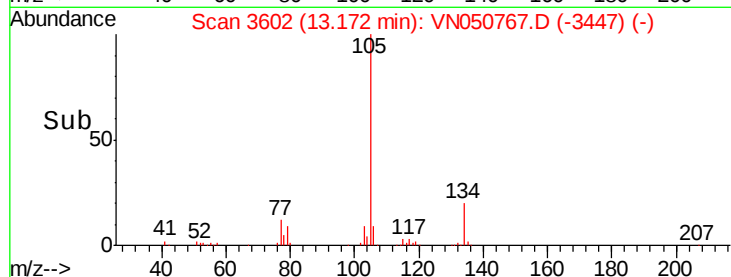
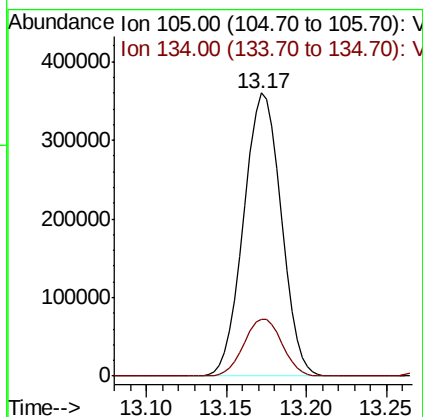
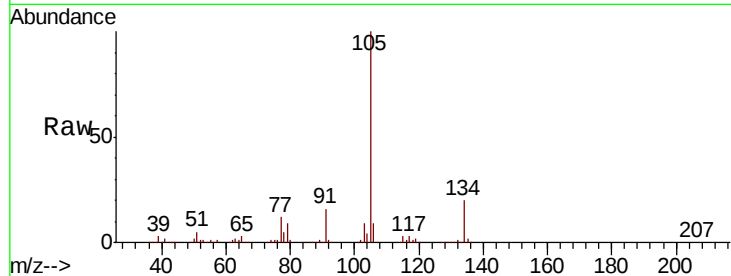




#81
 sec-Butylbenzene
 Concen: 19.47 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

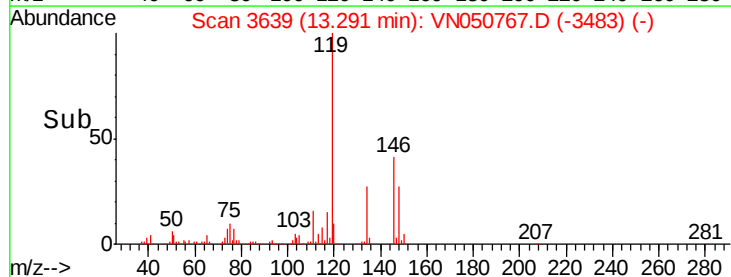
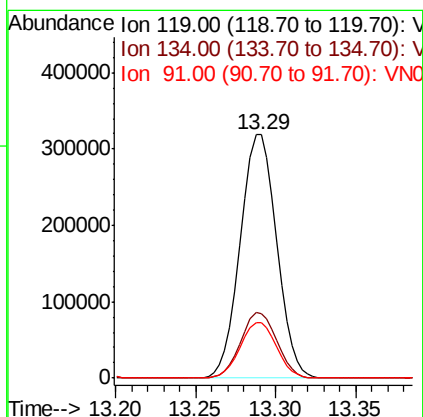
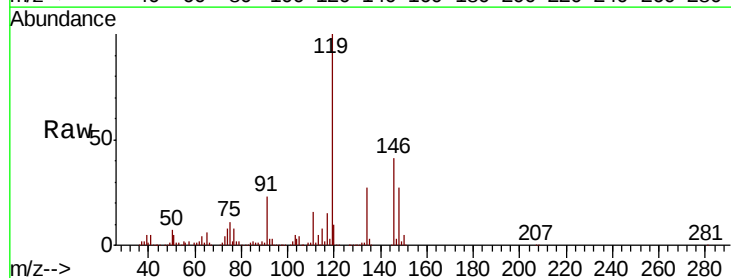
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

Tot Ion:105 Resp: 577611
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 19.56 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion:119 Resp: 495024
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.2
 91 22.9 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.79 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

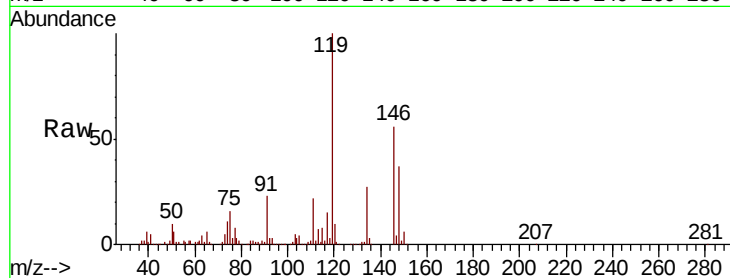
Tot Ion:146 Resp: 270996

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.1

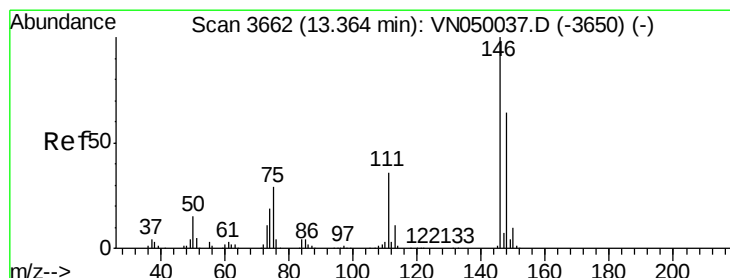
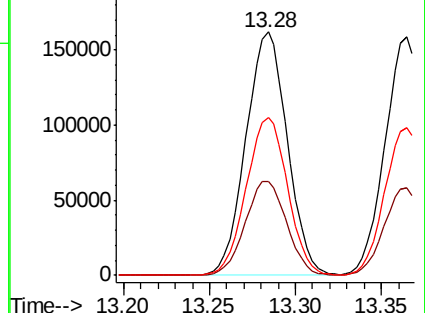
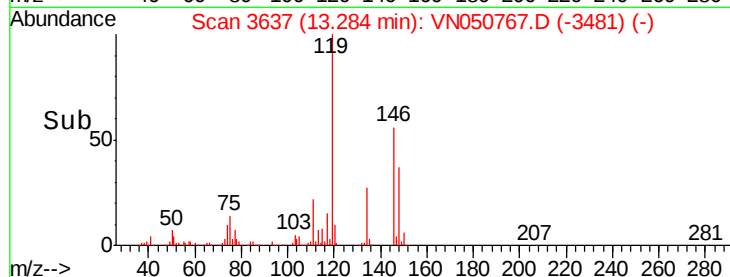
148 64.8 31.9 95.9



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



#84

1,4-Dichlorobenzene

Concen: 18.67 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

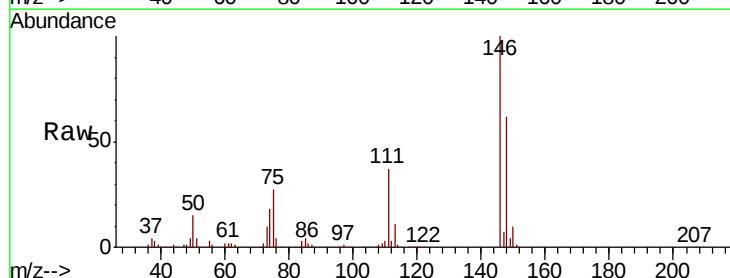
Tgt Ion:146 Resp: 254476

Ion Ratio Lower Upper

146 100

111 37.0 17.9 53.8

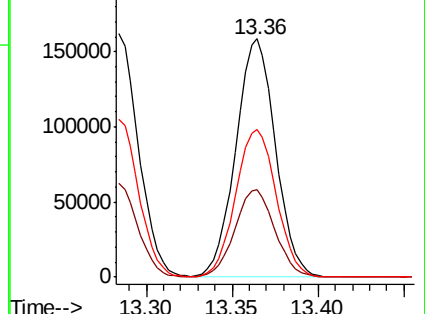
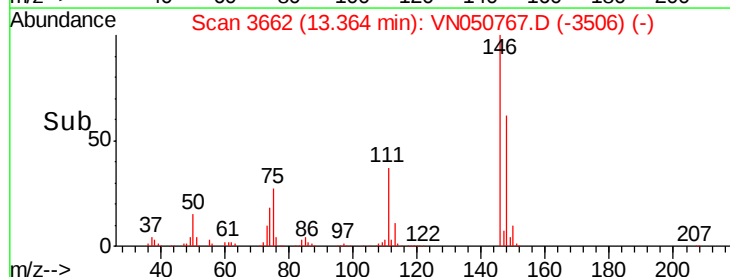
148 63.7 32.4 97.0

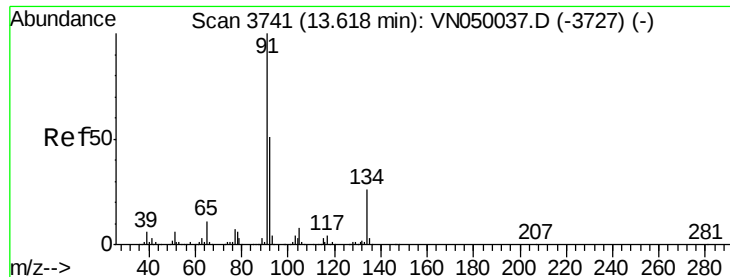


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

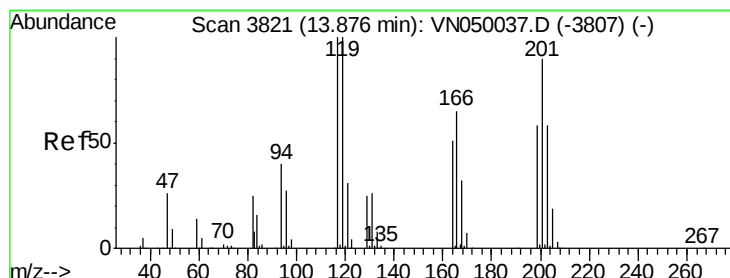
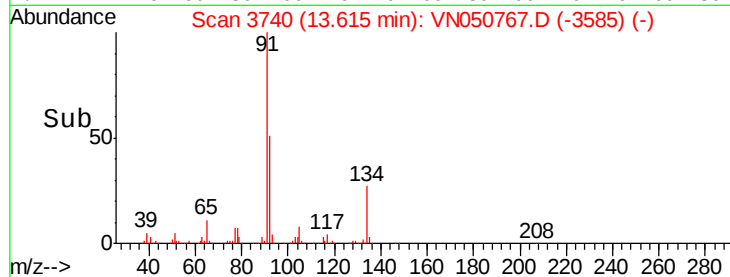
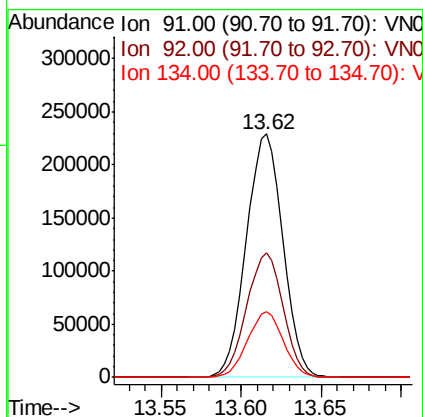
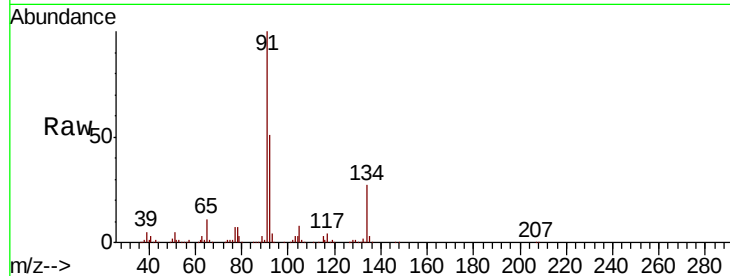




#85
n-Butylbenzene
Concen: 17.46 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

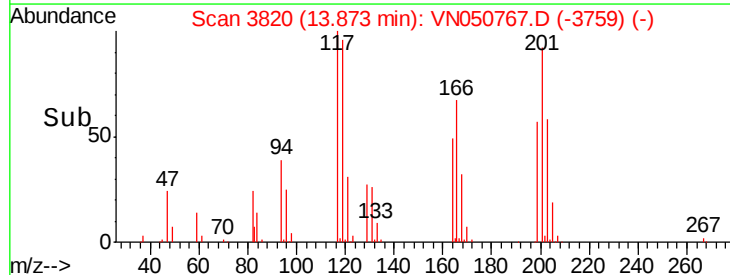
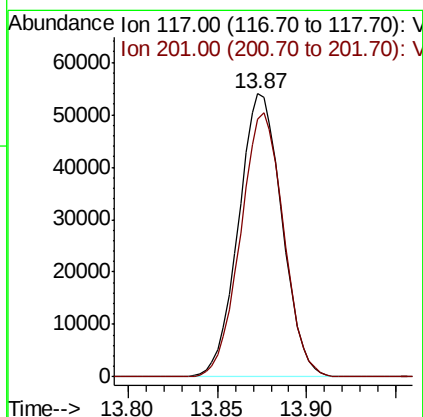
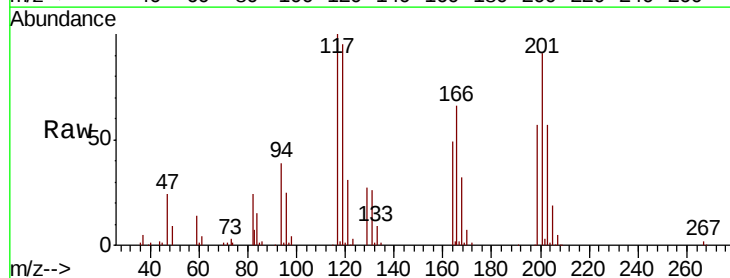
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD01

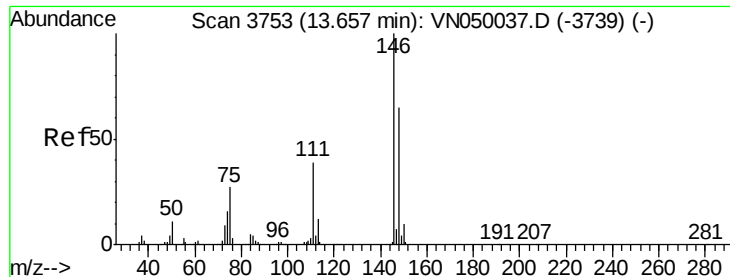
Tot Ion: 91 Resp: 358526
Ion Ratio Lower Upper
91 100
92 50.9 0.0 102.8
134 26.3 0.0 51.0



#86
Hexachloroethane
Concen: 18.14 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion: 117 Resp: 91739
Ion Ratio Lower Upper
117 100
201 92.2 46.6 139.7





#87

1,2-Dichlorobenzene

Concen: 19.26 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD01

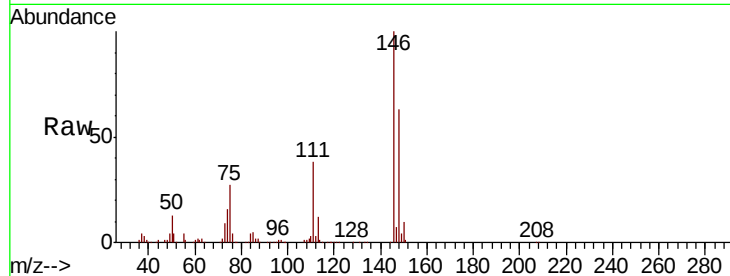
Tot Ion:146 Resp: 271530

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

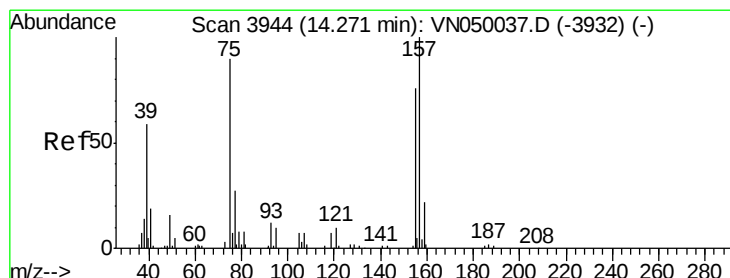
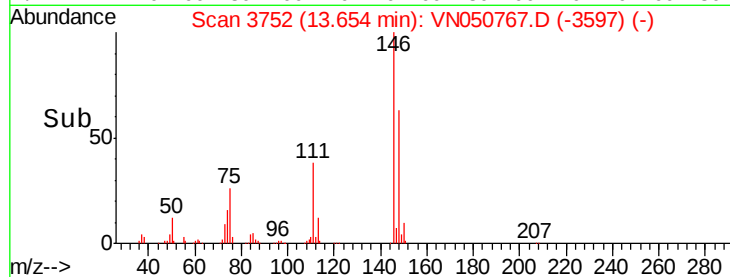
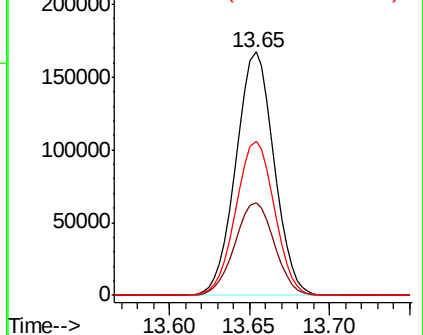
148 64.1 31.8 95.3



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: 15.44 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050767.D

Acq: 20 Aug 2018 12:08

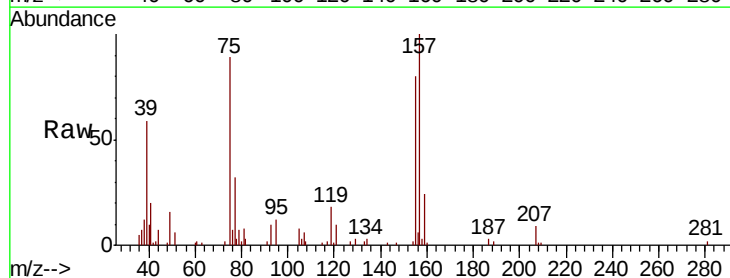
Tgt Ion: 75 Resp: 20533

Ion Ratio Lower Upper

75 100

155 93.1 73.0 109.6

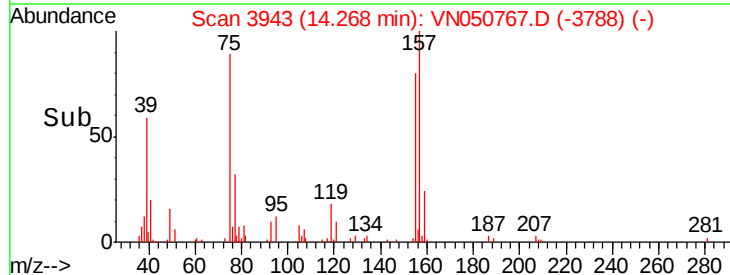
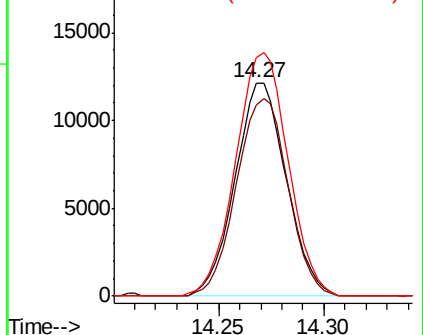
157 117.1 94.9 142.3

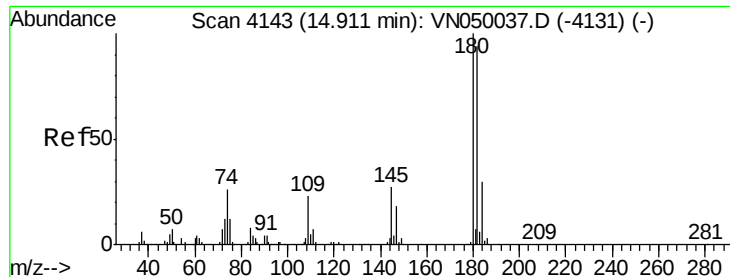


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

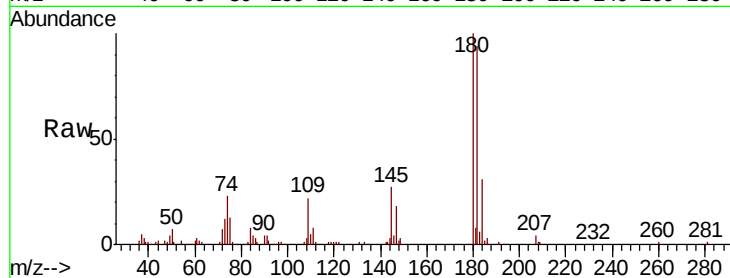




#89
 1,2,4-Trichlorobenzene
 Concen: 14.86 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	27.7	23.4	35.0

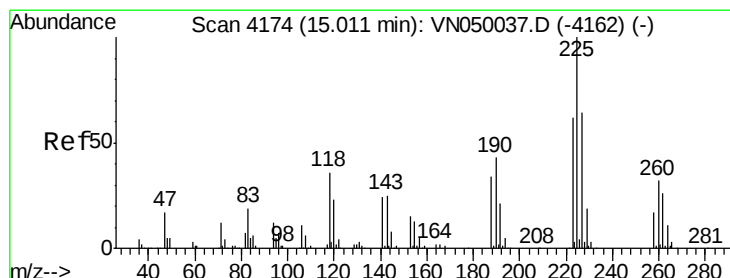
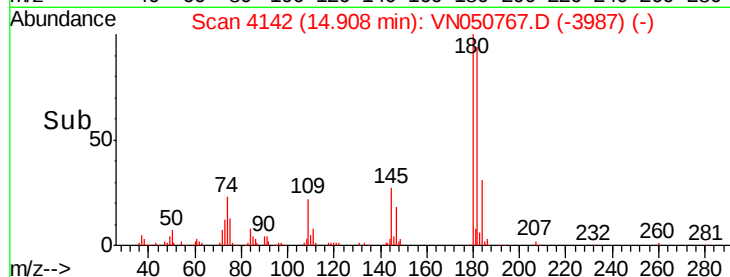
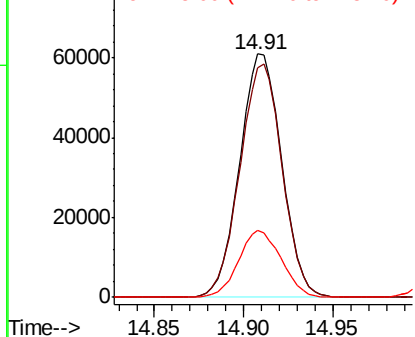


Abundance

Ion 180.00 (179.70 to 180.70): V

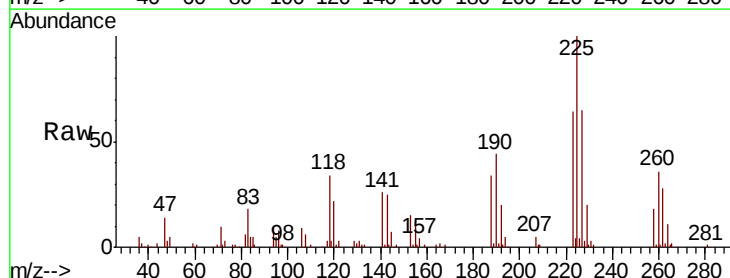
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.92 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050767.D
 Acq: 20 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	124.4
227	64.3	0.0	133.0

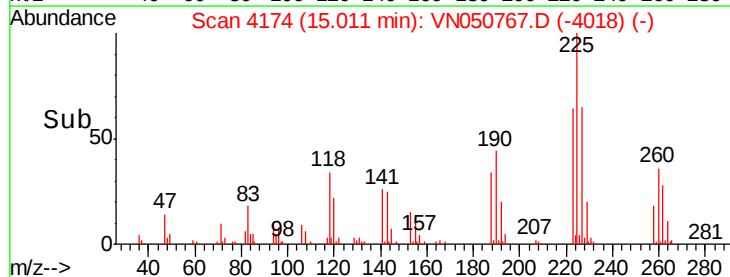
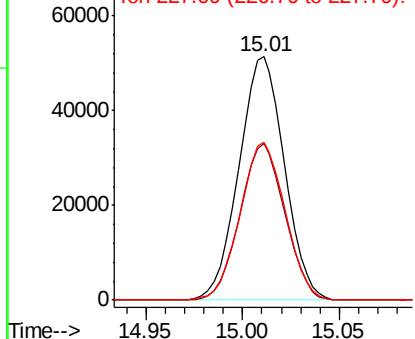


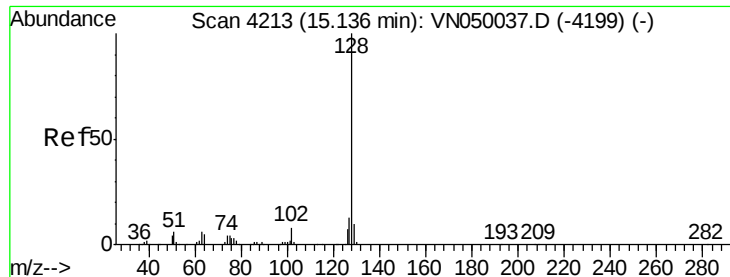
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

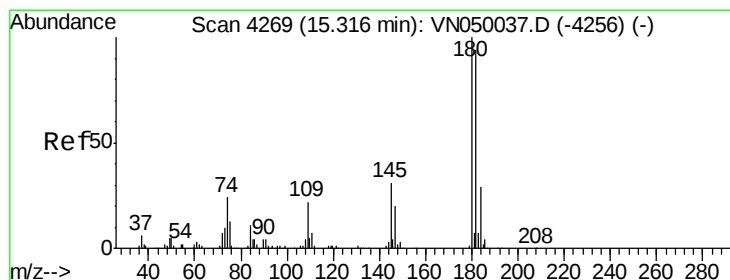
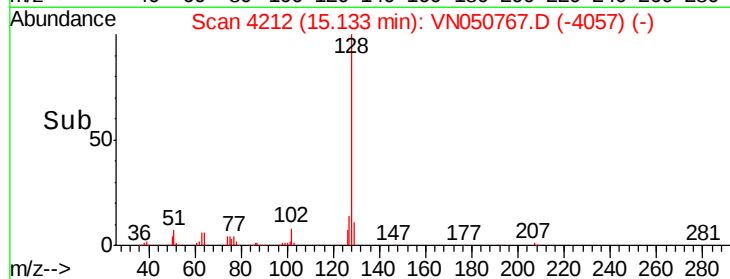
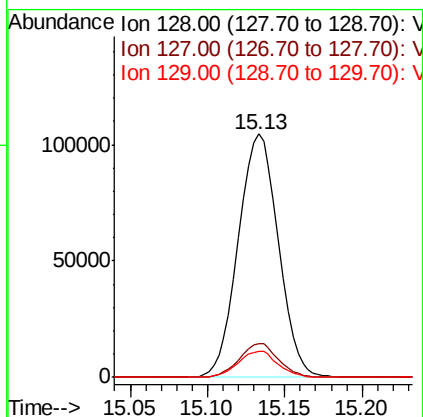
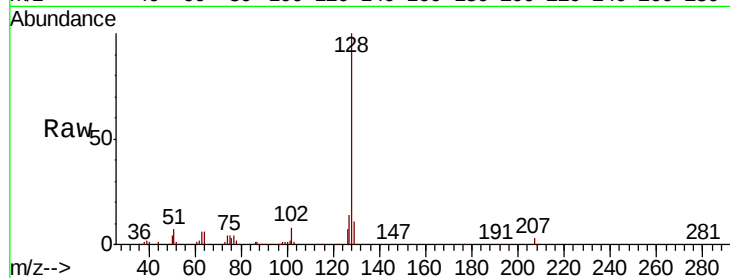




#91
Naphthalene
Concen: 16.58 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.7	9.0	13.4



#92
1,2,3-Trichlorobenzene
Concen: 15.19 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050767.D
Acq: 20 Aug 2018 12:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	0.0	188.8
145	29.7	0.0	60.8

