

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050437.D
 Acq On : 7 Aug 2018 17:30
 Operator : MD\SY
 Sample : VN0807WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Quant Time: Aug 08 05:26:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	755935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1151107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1038978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	519718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	490374	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	443088	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	1660002	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	562660	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146543	17.46	ug/l	99
3) Chloromethane	2.06	50	194367	18.69	ug/l	100
4) Vinyl Chloride	2.18	62	208412	19.19	ug/l	98
5) Bromomethane	2.56	94	124819	23.79	ug/l	99
6) Chloroethane	2.70	64	127972	19.12	ug/l	100
7) Trichlorofluoromethane	3.01	101	267802	19.09	ug/l	98
8) Diethyl Ether	3.41	74	105953	20.60	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160343	18.50	ug/l	98
10) Methyl Iodide	3.95	142	84733	22.18	ug/l	96
11) Tert butyl alcohol	4.80	59	72789	89.71	ug/l	98
12) 1,1-Dichloroethene	3.73	96	163623	20.02	ug/l	96
13) Acrolein	3.61	56	84692	90.43	ug/l	97
14) Allyl chloride	4.32	41	253099	19.28	ug/l	96
15) Acrylonitrile	5.00	53	312185	91.86	ug/l	99
16) Acetone	3.82	43	280202	92.80	ug/l	100
17) Carbon Disulfide	4.05	76	466567	17.56	ug/l	100
18) Methyl Acetate	4.33	43	155404	19.74	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	486898	20.99	ug/l	99
20) Methylene Chloride	4.55	84	184472	19.07	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	173836	19.66	ug/l	98
22) Diisopropyl ether	5.96	45	551919	20.59	ug/l	99
23) Vinyl Acetate	5.90	43	1895823	99.11	ug/l	99
24) 1,1-Dichloroethane	5.85	63	326822	19.87	ug/l	99
25) 2-Butanone	6.84	43	459811	91.87	ug/l	99
26) 2,2-Dichloropropane	6.83	77	222746	16.42	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	199908	20.39	ug/l	96
28) Bromochloromethane	7.20	49	132539	17.50	ug/l	98
29) Tetrahydrofuran	7.22	42	247647	92.44	ug/l	98
30) Chloroform	7.37	83	326358	19.84	ug/l	98
31) Cyclohexane	7.65	56	277965	18.81	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	279107	19.76	ug/l	99
36) 1,1-Dichloropropene	7.80	75	249956	19.76	ug/l	98
37) Ethyl Acetate	6.94	43	167912	18.44	ug/l	99
38) Carbon Tetrachloride	7.78	117	241759	18.32	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	238334	17.26	ug/l	99
40) Benzene	8.04	78	747536	19.22	ug/l	99
41) Methacrylonitrile	7.22	41	234686	48.46	ug/l #	10
42) 1,2-Dichloroethane	8.13	62	235230	19.06	ug/l	99
43) Isopropyl Acetate	8.17	43	304944	19.39	ug/l	96
44) Trichloroethene	8.84	130	201037	19.24	ug/l	100
45) 1,2-Dichloropropane	9.12	63	195484	19.12	ug/l	99
46) Dibromomethane	9.21	93	117413	18.60	ug/l	98
47) Bromodichloromethane	9.40	83	242106	18.52	ug/l	99
48) Methyl methacrylate	9.20	41	143959	18.27	ug/l	99
49) 1,4-Dioxane	9.20	88	40547	333.79	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1048541	92.60	ug/l	98
52) Toluene	10.16	92	463943	19.86	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	243416	18.54	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	280384	19.14	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	171610	18.82	ug/l	99
56) Ethyl methacrylate	10.43	69	230213	18.94	ug/l	95
57) 1,3-Dichloropropane	10.71	76	286328	19.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	503873	88.69	ug/l	99
59) 2-Hexanone	10.75	43	702493	88.89	ug/l	98
60) Dibromochloromethane	10.90	129	181637	18.08	ug/l	97
61) 1,2-Dibromoethane	11.01	107	170196	18.94	ug/l	98
64) Tetrachloroethene	10.63	164	192652	19.84	ug/l	100
65) Chlorobenzene	11.44	112	502443	19.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	182696	19.27	ug/l	99
67) Ethyl Benzene	11.51	91	860559	20.44	ug/l	100
68) m/p-Xylenes	11.62	106	657374	41.01	ug/l	99
69) o-Xylene	11.95	106	323523	20.95	ug/l	99
70) Styrene	11.97	104	517939	20.63	ug/l	99
71) Bromoform	12.13	173	130048	18.77	ug/l #	100
73) Isopropylbenzene	12.25	105	845294	21.67	ug/l	100
74) N-amyl acetate	12.07	43	263913	20.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	211694	18.81	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	260174	27.66	ug/l #	100
77) Bromobenzene	12.53	156	389551	37.27	ug/l	48
78) n-propylbenzene	12.59	91	923588	20.91	ug/l	99
79) 2-Chlorotoluene	12.68	91	567513	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	700211	22.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	53226	19.88	ug/l	98
82) 4-Chlorotoluene	12.77	91	572515	21.05	ug/l	99
83) tert-Butylbenzene	12.99	119	575563	20.83	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	684511	21.34	ug/l	100
85) sec-Butylbenzene	13.17	105	739345	20.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	647349	20.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	370187	19.89	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	359474	19.34	ug/l	98
89) n-Butylbenzene	13.62	91	533281	19.85	ug/l	99
90) Hexachloroethane	13.88	117	102193	18.21	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	364842	19.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35059	18.34	ug/l	89

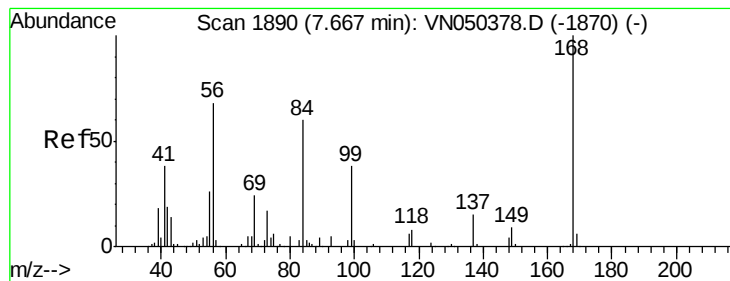
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	211114	22.21	ug/l	99
94) Hexachlorobutadiene	15.01	225	110514	20.31	ug/l	98
95) Naphthalene	15.14	128	589756	25.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	209581	21.81	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

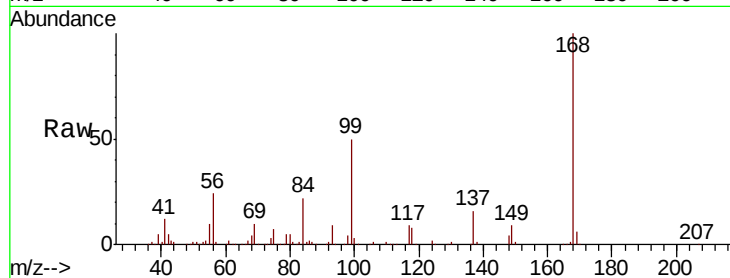
VN0807WBSD01

Tot Ion:168 Resp: 755935

Ion Ratio Lower Upper

168 100

99 49.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

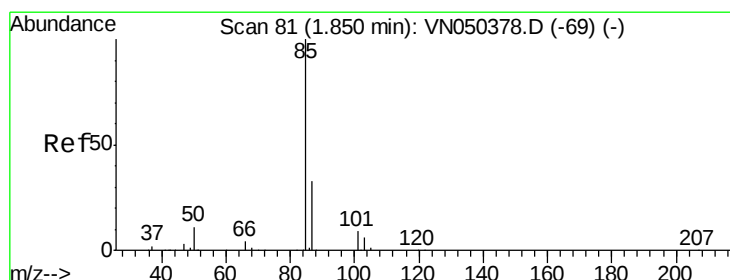
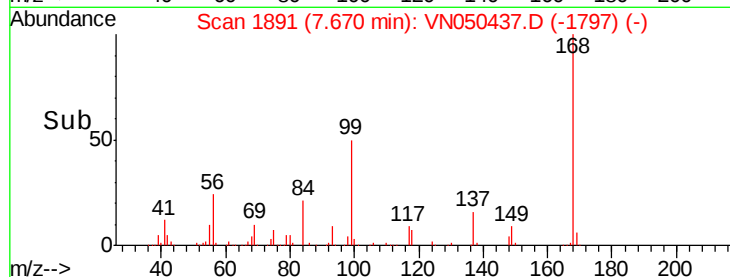
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 17.46 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050437.D

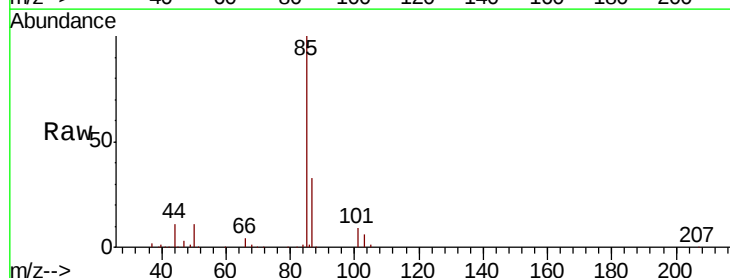
Acq: 7 Aug 2018 17:30

Tgt Ion: 85 Resp: 146543

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

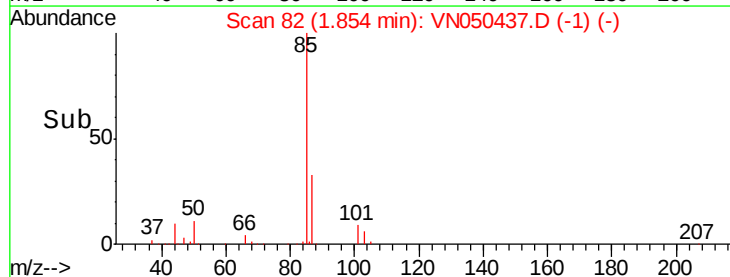
60000

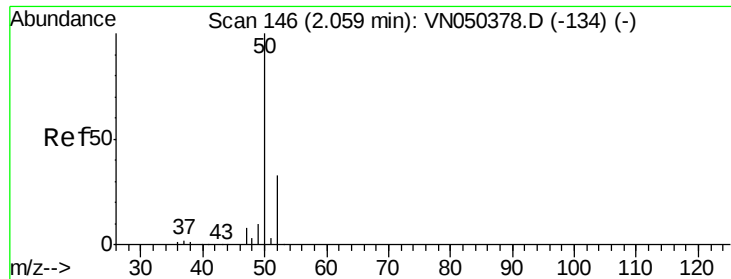
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.69 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

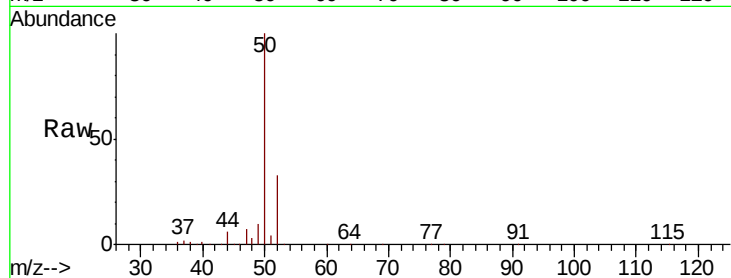
VN0807WBSD01

Tot Ion: 50 Resp: 194367

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

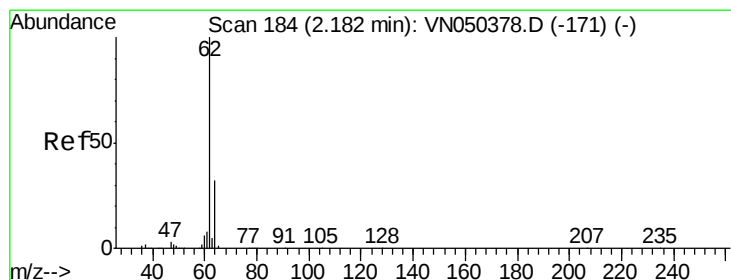
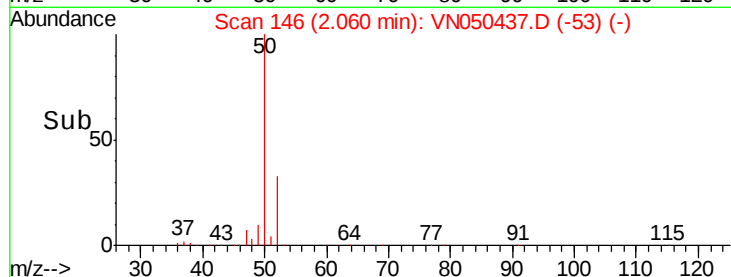
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 19.19 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050437.D

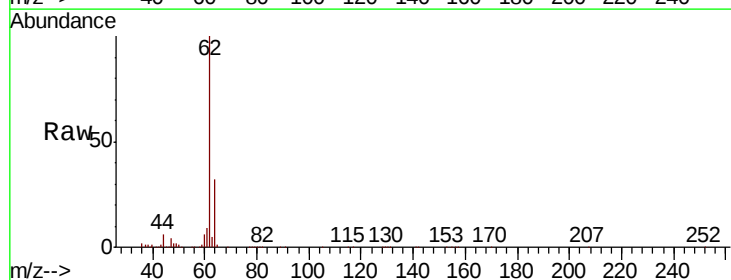
Acq: 7 Aug 2018 17:30

Tgt Ion: 62 Resp: 208412

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

150000

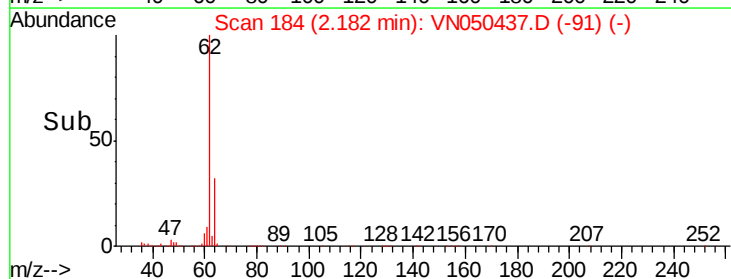
100000

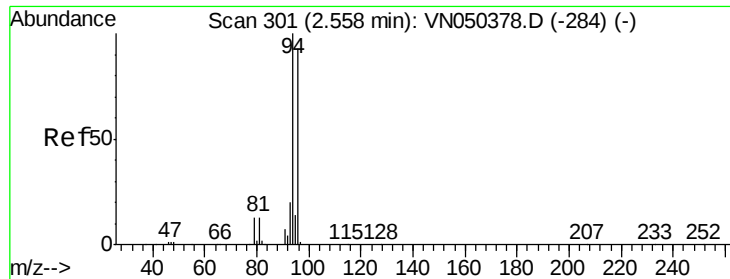
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 23.79 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

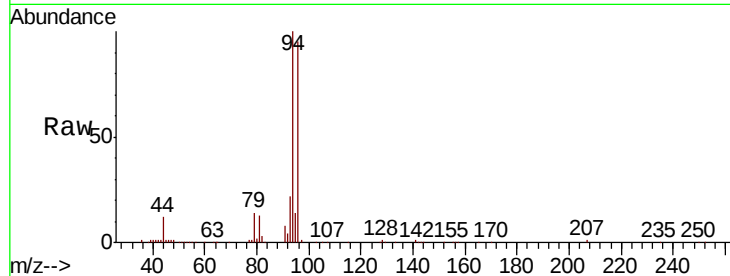
VN0807WBSD01

Tot Ion: 94 Resp: 124819

Ion Ratio Lower Upper

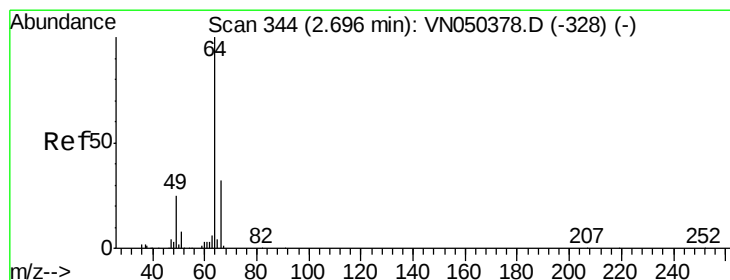
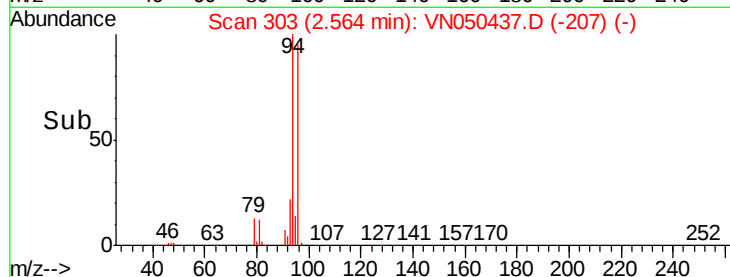
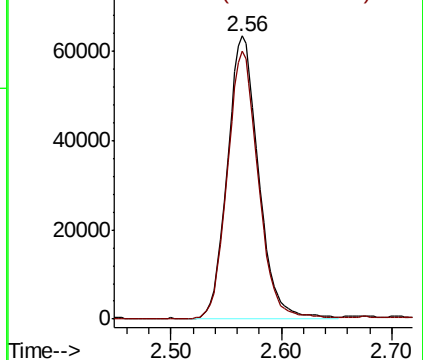
94 100

96 94.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.12 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050437.D

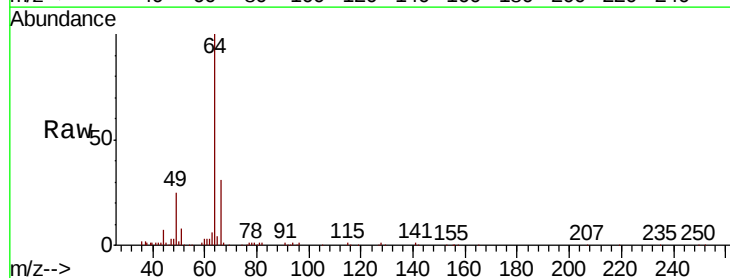
Acq: 7 Aug 2018 17:30

Tgt Ion: 64 Resp: 127972

Ion Ratio Lower Upper

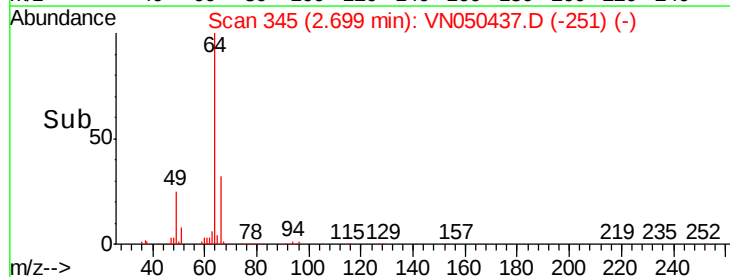
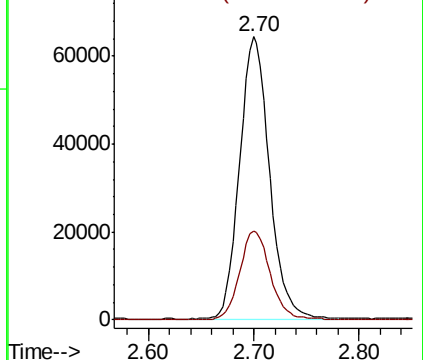
64 100

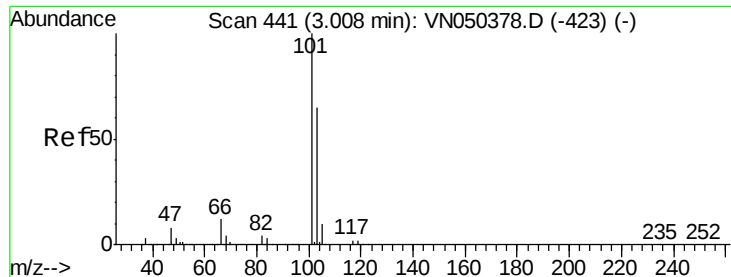
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.09 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

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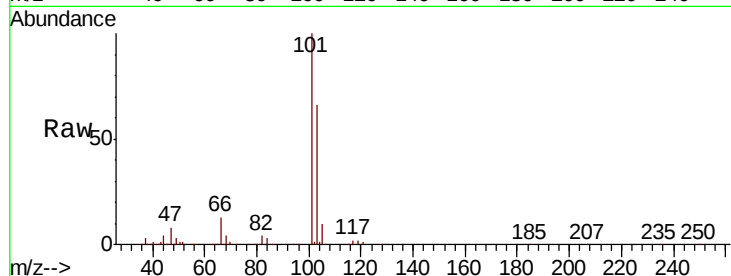
VN0807WBSD01

Tot Ion:101 Resp: 267802

Ion Ratio Lower Upper

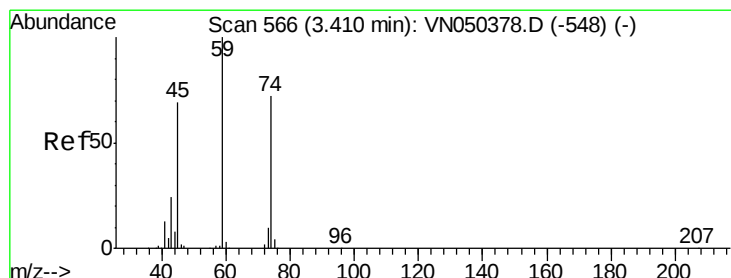
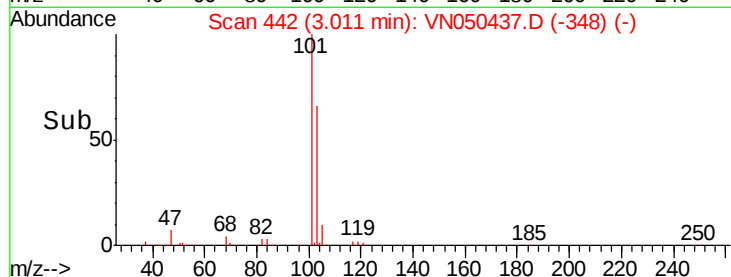
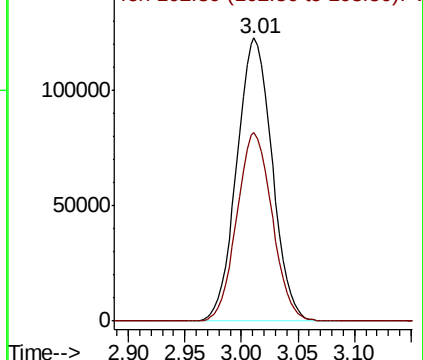
101 100

103 66.5 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.60 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050437.D

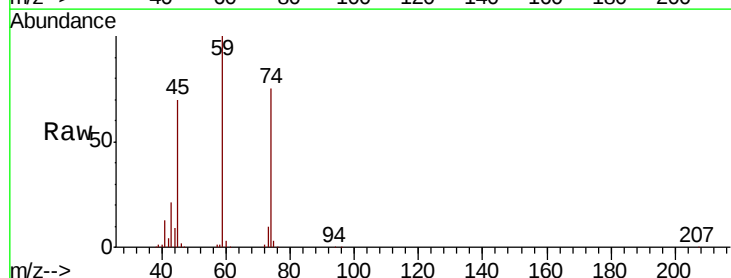
Acq: 7 Aug 2018 17:30

Tgt Ion: 74 Resp: 105953

Ion Ratio Lower Upper

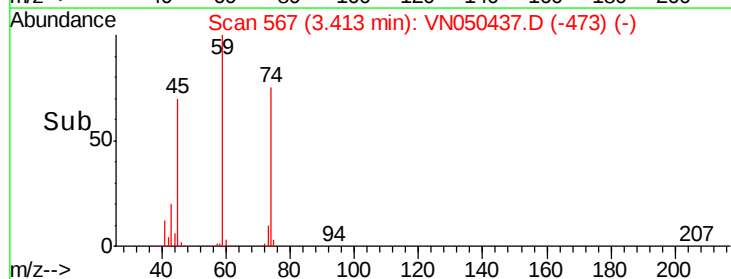
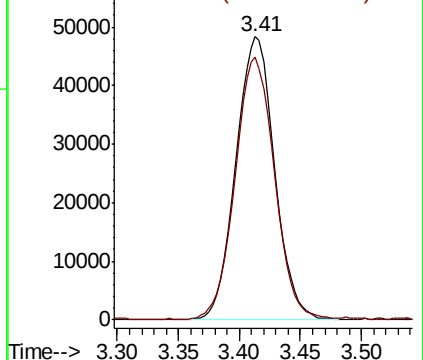
74 100

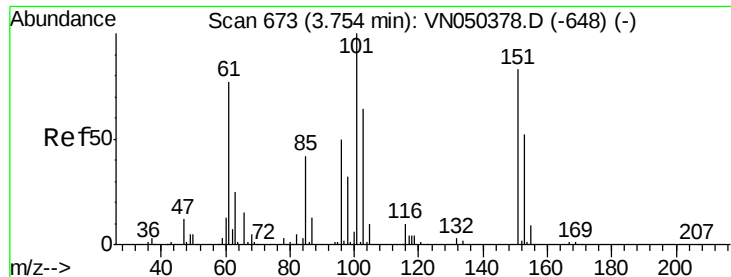
45 94.8 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.50 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

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VN0807WBSD01

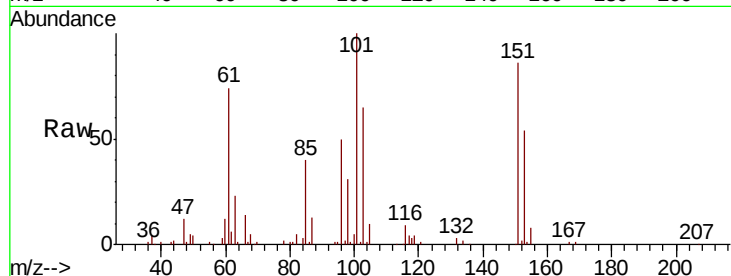
Tot Ion:101 Resp: 160343

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.2

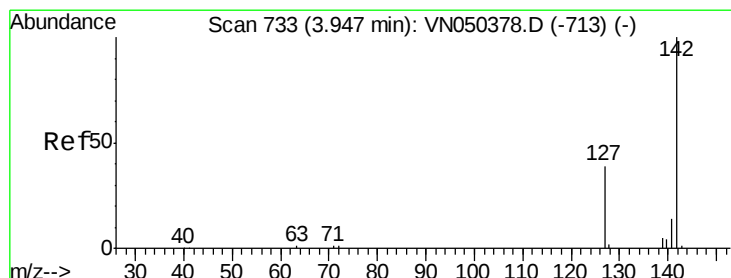
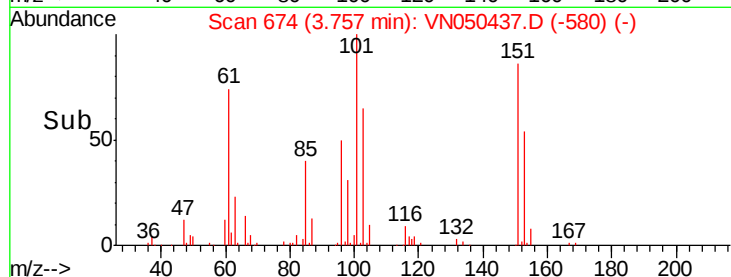
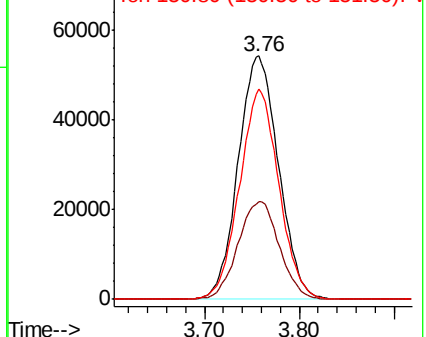
151 84.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.18 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

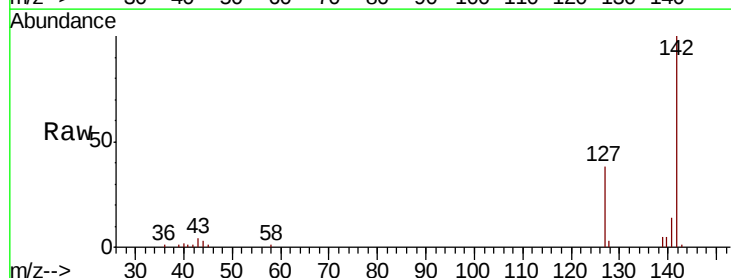
Tgt Ion:142 Resp: 84733

Ion Ratio Lower Upper

142 100

127 38.4 33.4 50.2

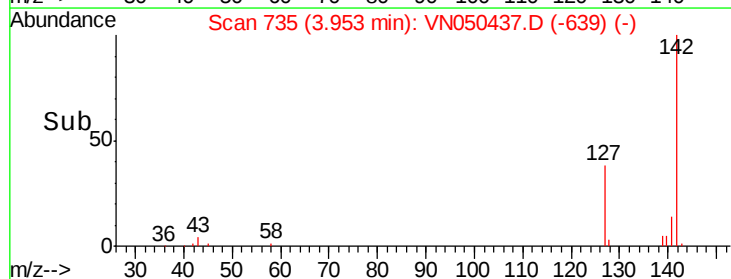
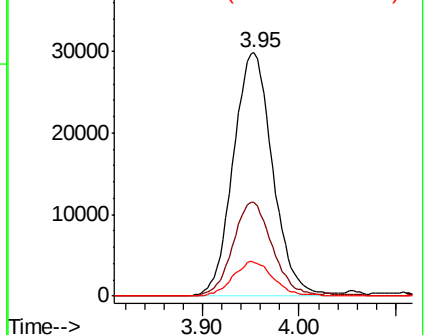
141 14.2 11.6 17.4

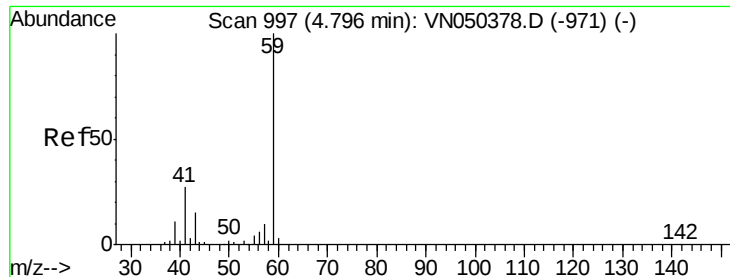


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

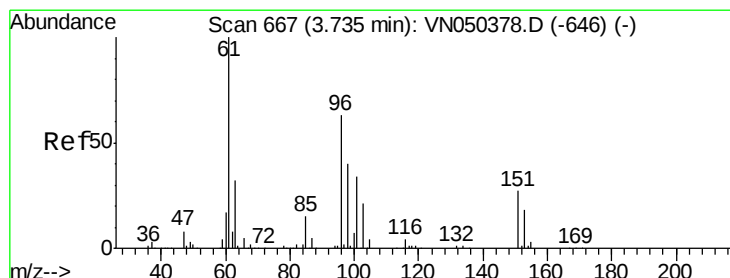
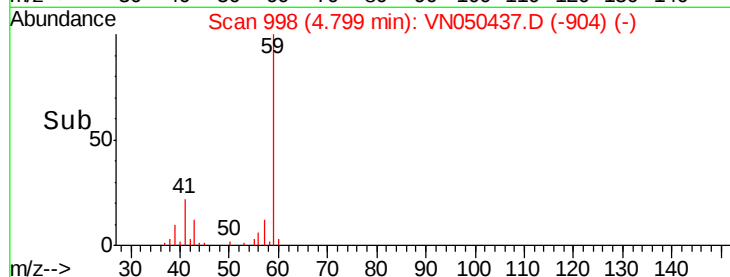
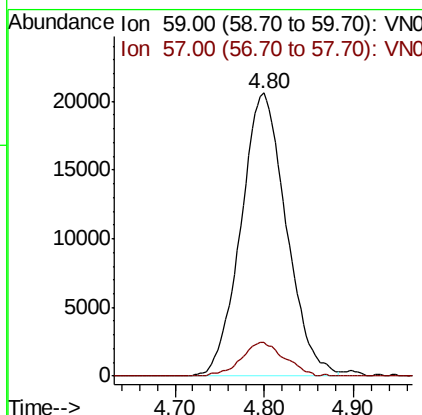
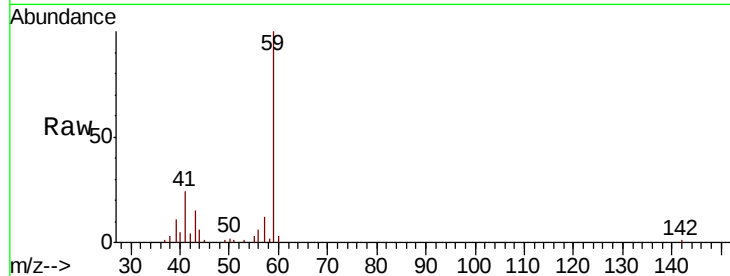




#11
Tert butyl alcohol
Concen: 89.71 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

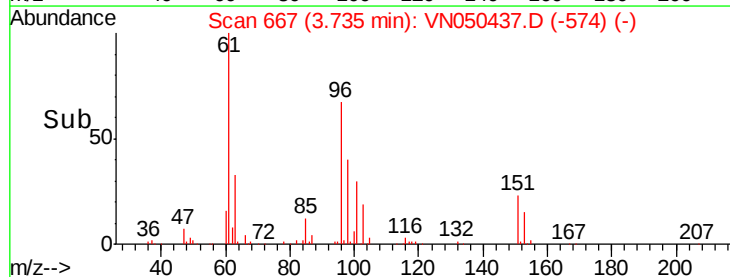
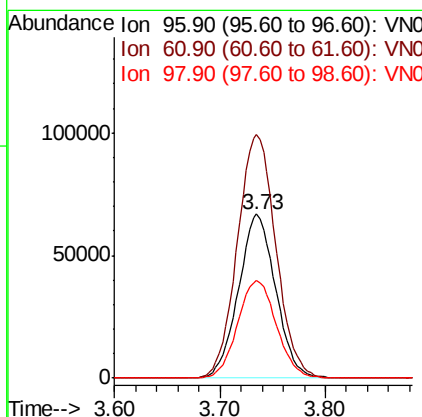
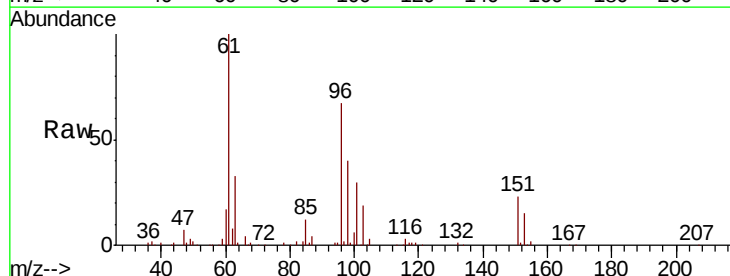
Instrument :
MSVOA_N
ClientSampled :
VN0807WBSD01

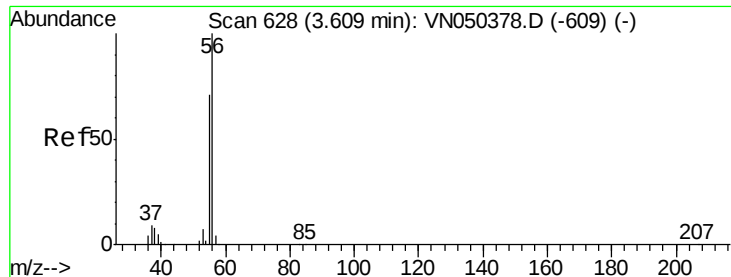
Tot Ion: 59 Resp: 72789
Ion Ratio Lower Upper
59 100
57 11.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 20.02 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 96 Resp: 163623
Ion Ratio Lower Upper
96 100
61 148.7 124.4 186.6
98 59.5 48.3 72.5





#13

Acrolein

Concen: 90.43 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

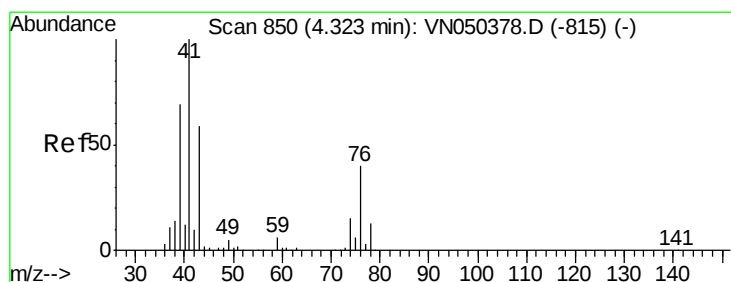
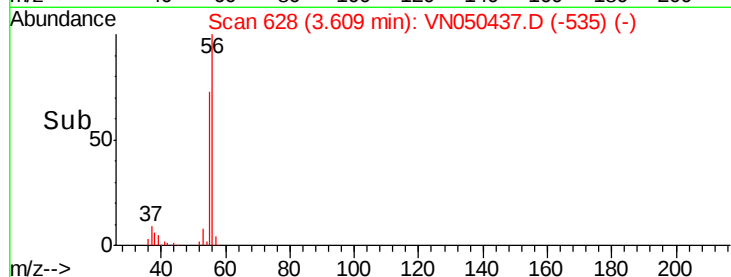
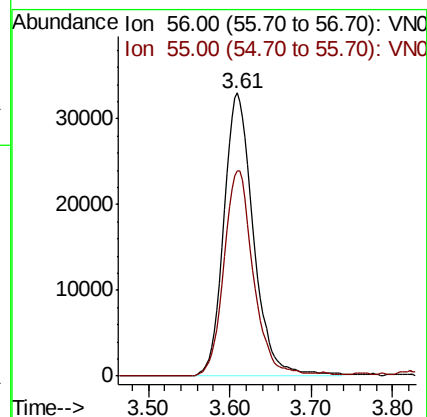
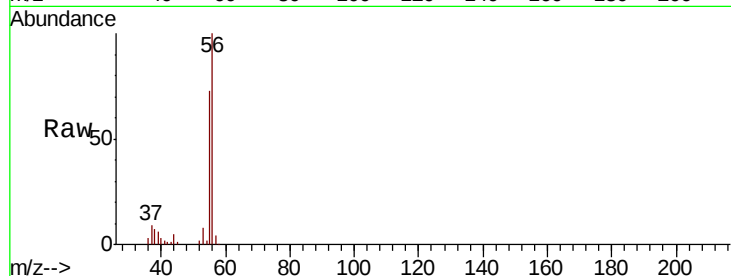
VN0807WBSD01

Tot Ion: 56 Resp: 84692

Ion Ratio Lower Upper

56 100

55 72.4 55.8 83.6



#14

Allyl chloride

Concen: 19.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

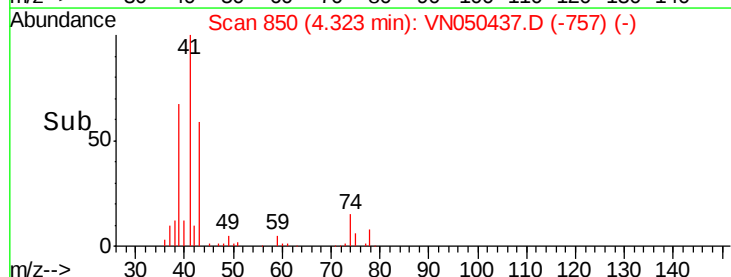
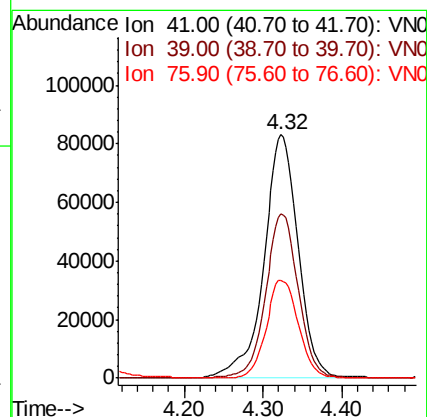
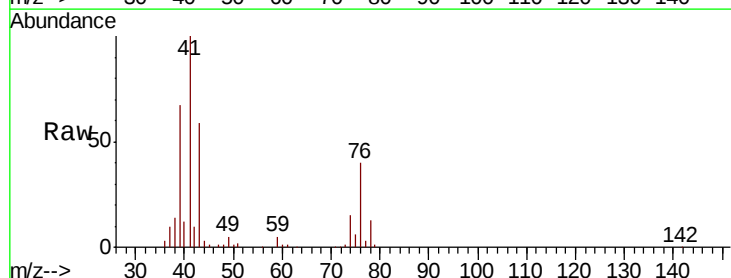
Tgt Ion: 41 Resp: 253099

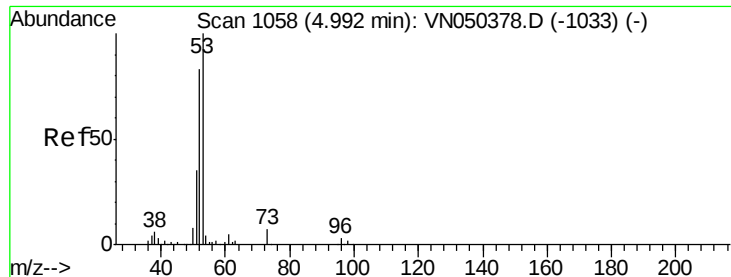
Ion Ratio Lower Upper

41 100

39 64.5 54.2 81.4

76 38.0 29.0 43.6





#15

Acrylonitrile

Concen: 91.86 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

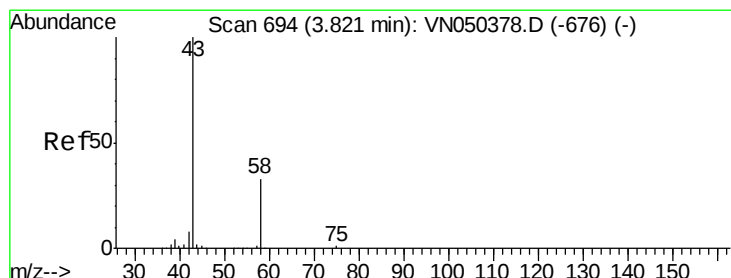
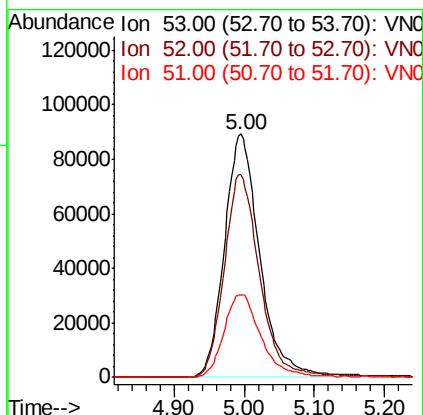
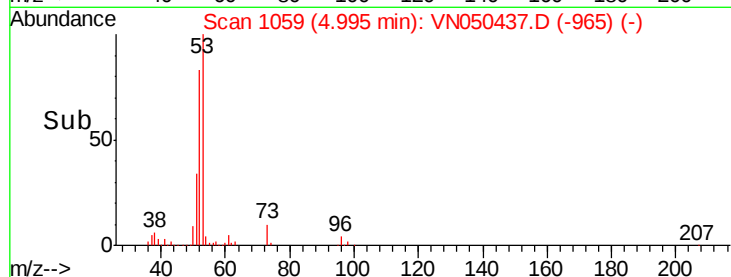
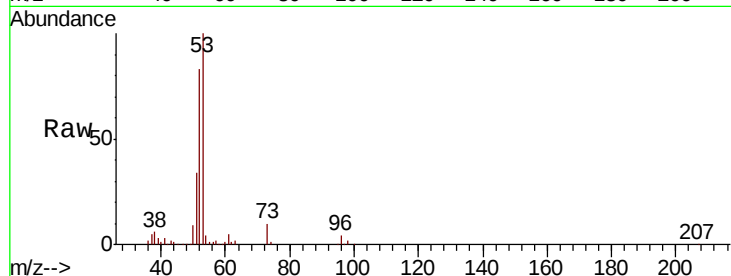
Tot Ion: 53 Resp: 312185

Ion Ratio Lower Upper

53 100

52 83.7 66.2 99.2

51 35.4 29.3 43.9



#16

Acetone

Concen: 92.80 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050437.D

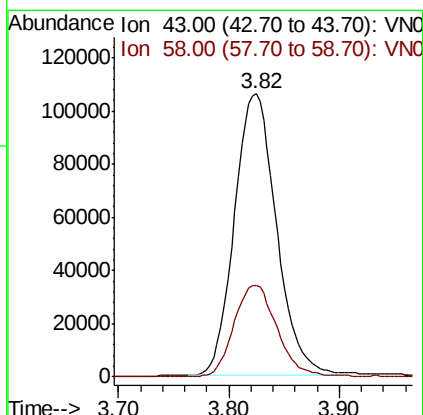
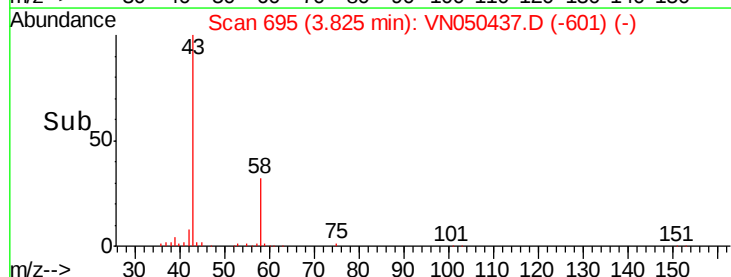
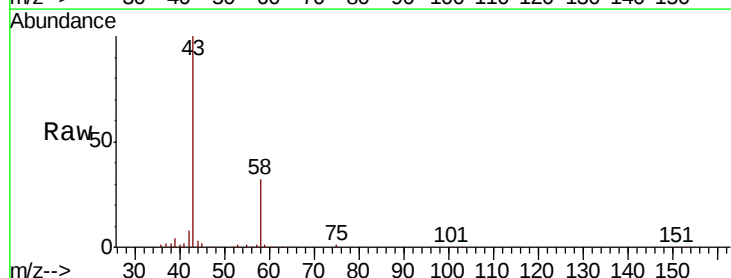
Acq: 7 Aug 2018 17:30

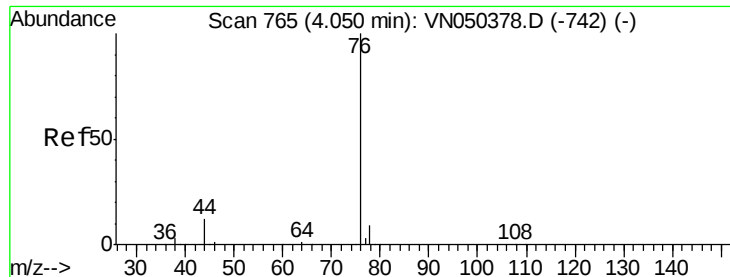
Tgt Ion: 43 Resp: 280202

Ion Ratio Lower Upper

43 100

58 32.6 25.8 38.8

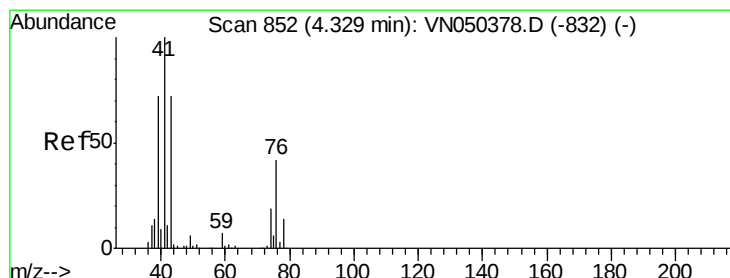
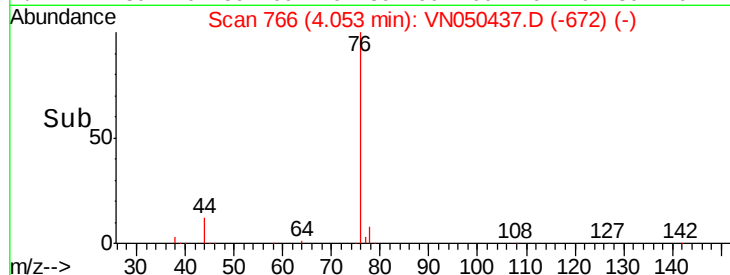
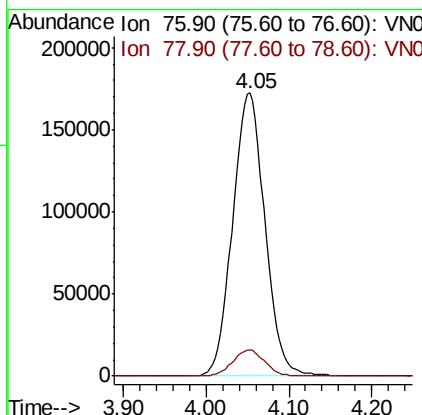
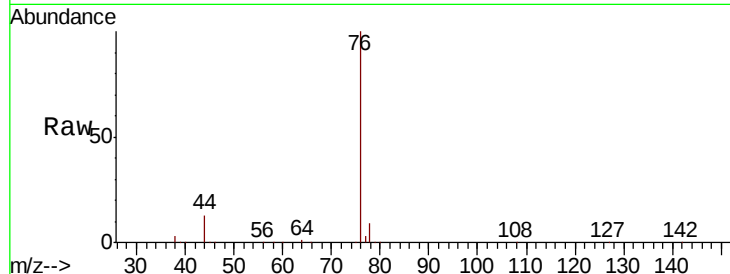




#17
Carbon Disulfide
Concen: 17.56 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

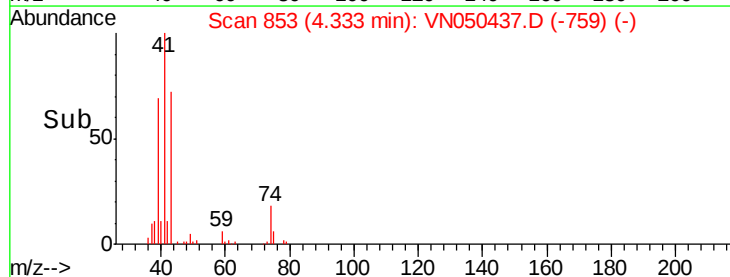
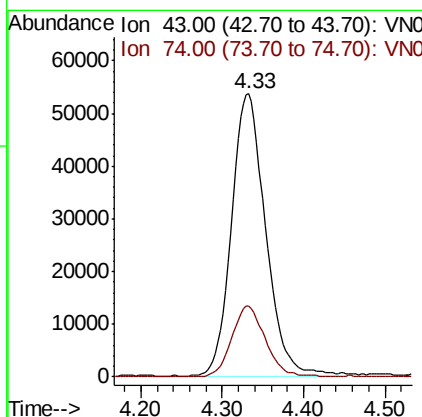
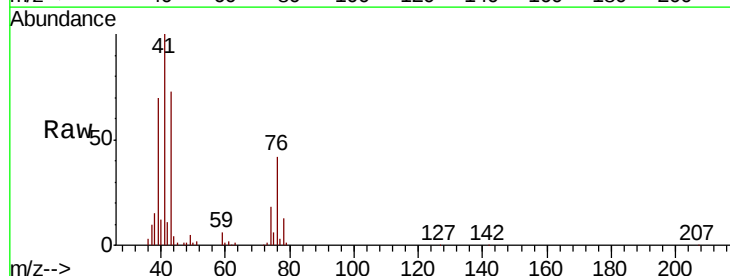
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

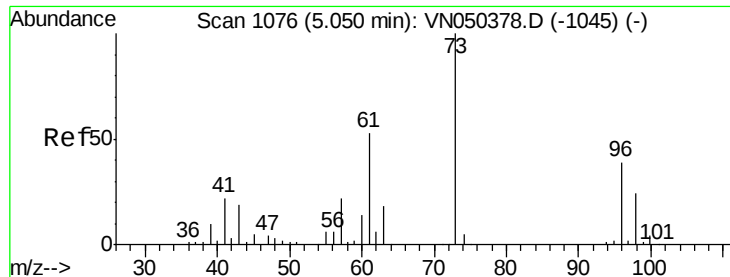
Tot Ion: 76 Resp: 466567
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 19.74 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 43 Resp: 155404
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8



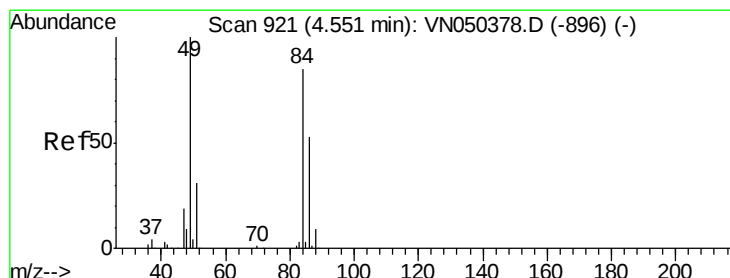
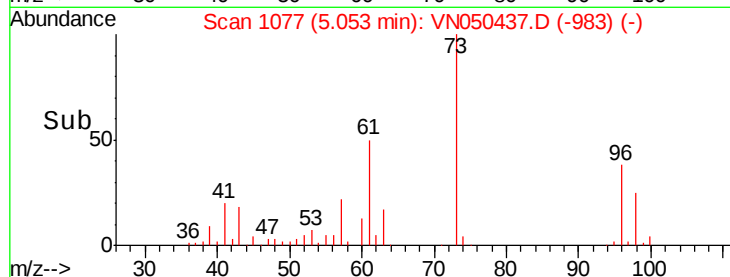
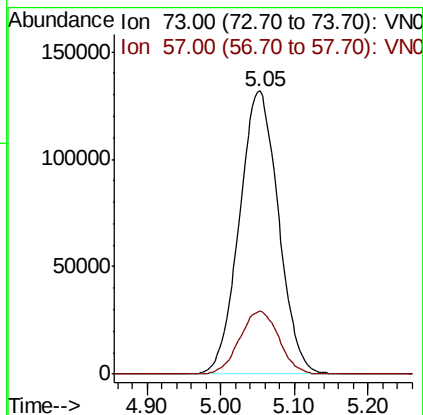
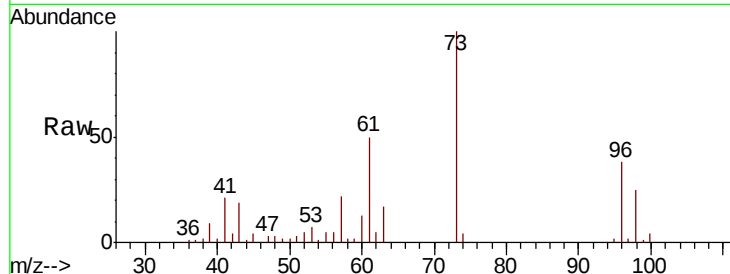


#19

Methyl tert-butyl Ether
 Concen: 20.99 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBSD01

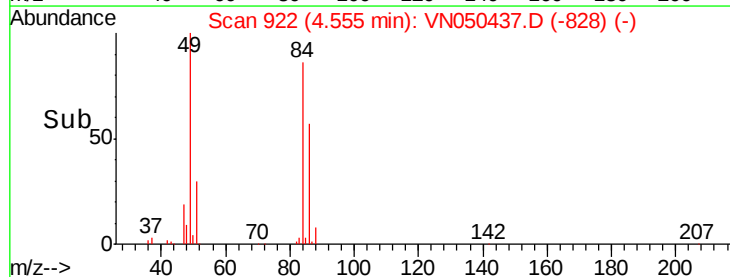
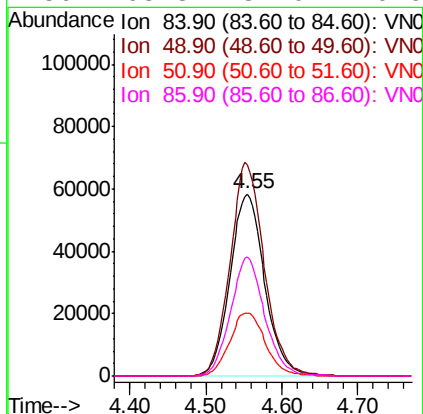
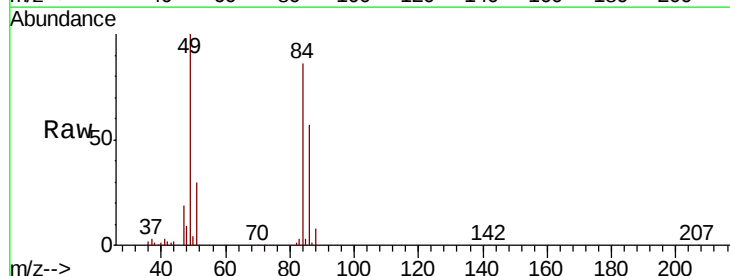
Tot Ion: 73 Resp: 486898
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.0 27.0

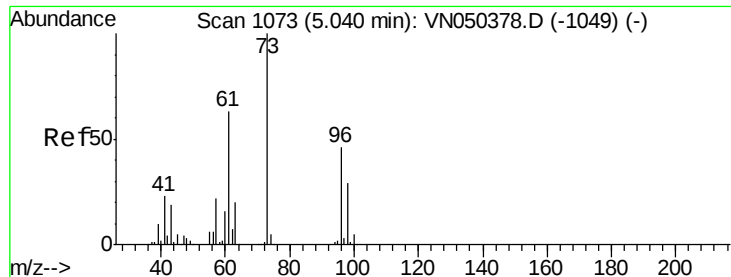


#20

Methylene Chloride
 Concen: 19.07 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion: 84 Resp: 184472
 Ion Ratio Lower Upper
 84 100
 49 115.9 94.8 142.2
 51 34.7 28.3 42.5
 86 65.8 51.0 76.6

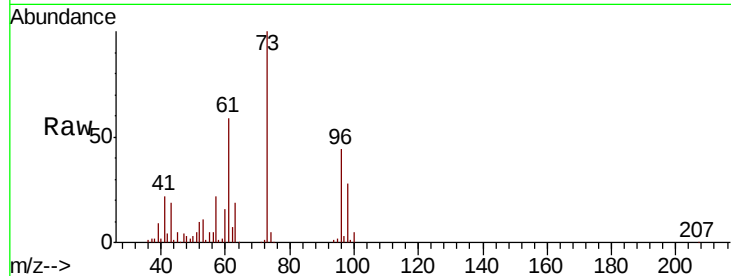




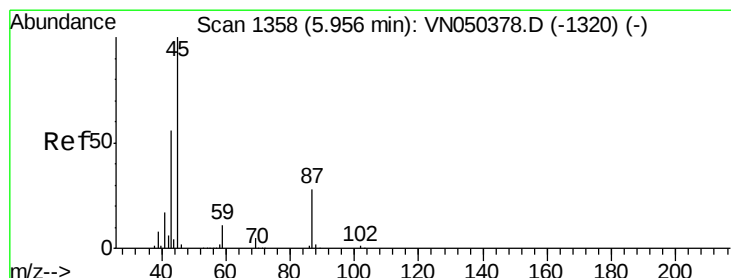
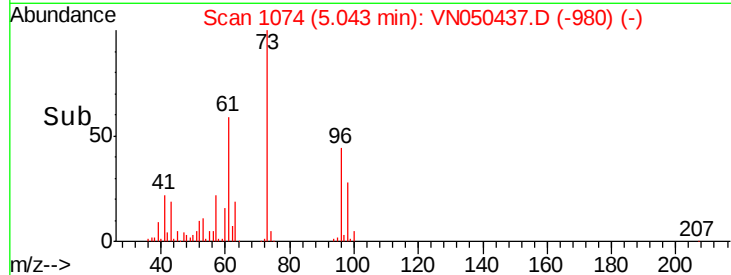
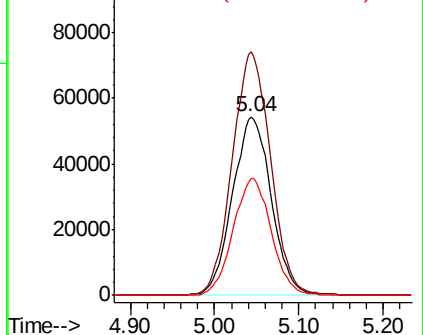
#21
trans-1,2-Dichloroethene
Concen: 19.66 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion: 96 Resp: 173836
Ion Ratio Lower Upper
96 100
61 135.9 110.7 166.1
98 65.1 51.6 77.4

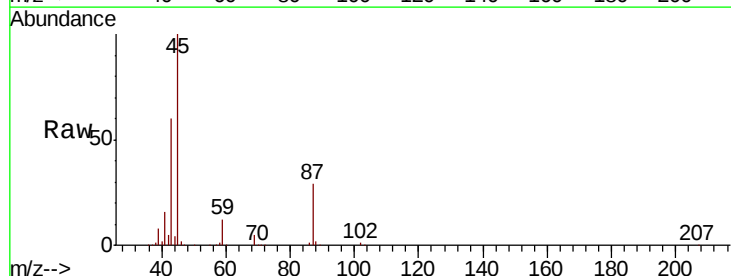


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

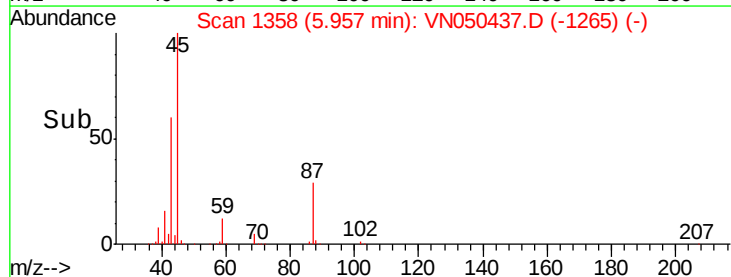
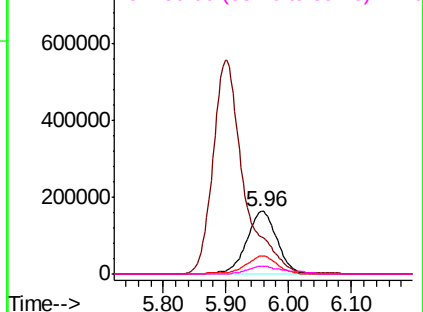


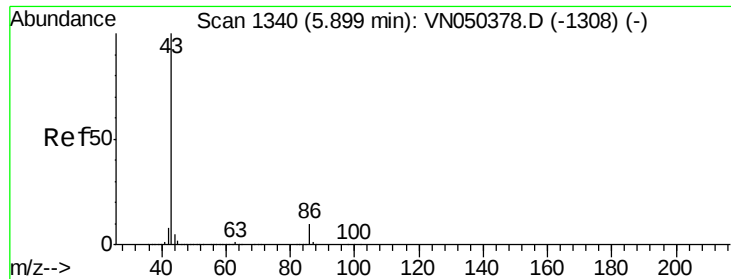
#22
Diisopropyl ether
Concen: 20.59 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 45 Resp: 551919
Ion Ratio Lower Upper
45 100
43 58.5 45.7 68.5
87 28.9 22.7 34.1
59 12.1 9.5 14.3



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





#23

Vinyl Acetate

Concen: 99.11 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

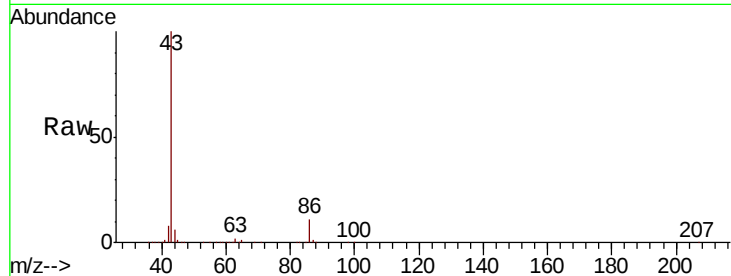
VN0807WBSD01

Tot Ion: 43 Resp: 1895823

Ion Ratio Lower Upper

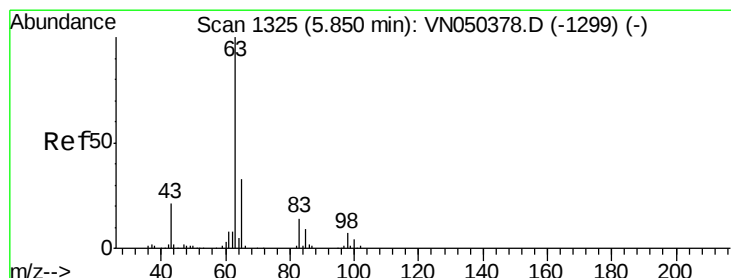
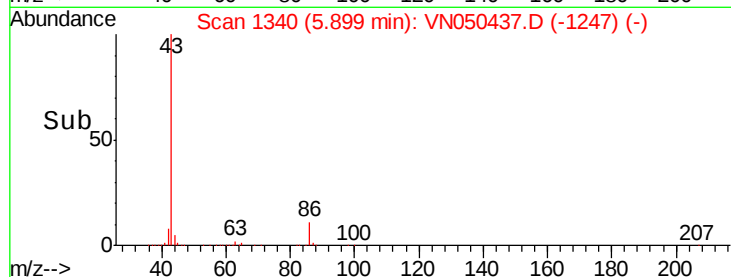
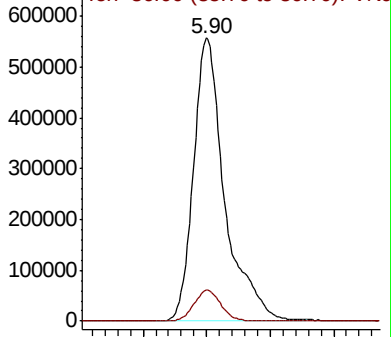
43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.87 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

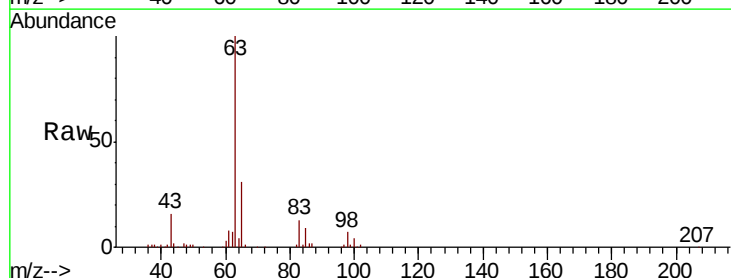
Tgt Ion: 63 Resp: 326822

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

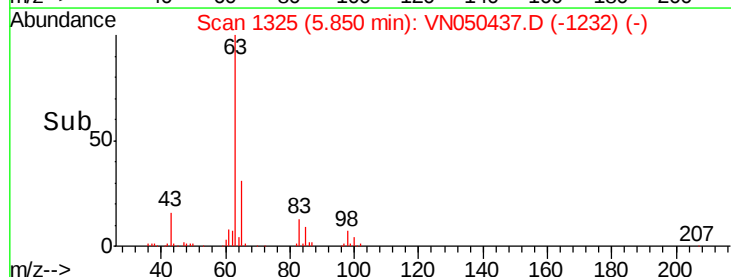
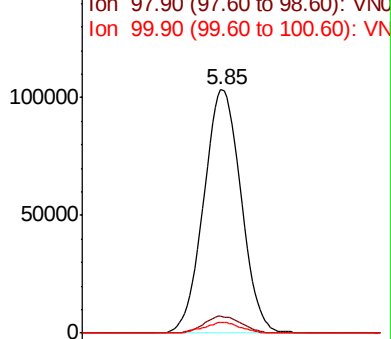
100 4.4 2.1 6.3

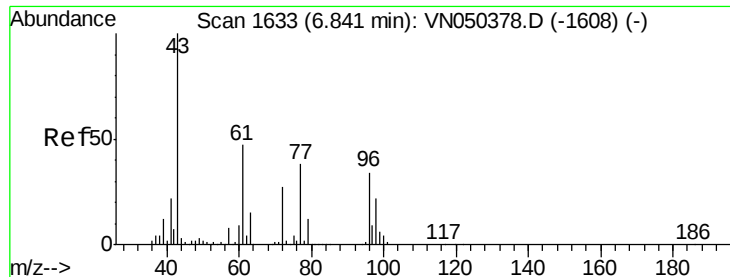


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.87 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

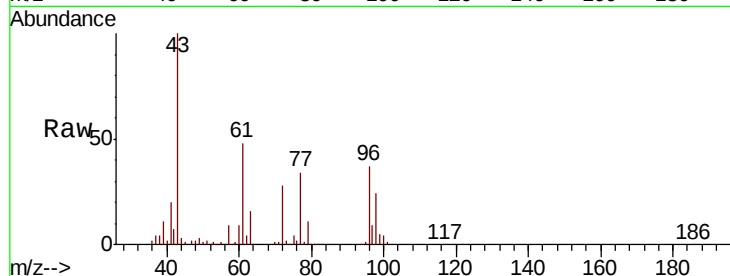
VN0807WBSD01

Tot Ion: 43 Resp: 459811

Ion Ratio Lower Upper

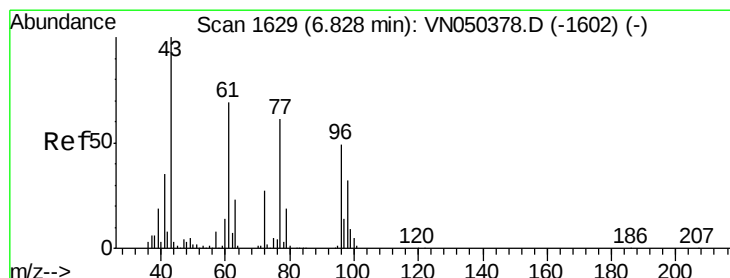
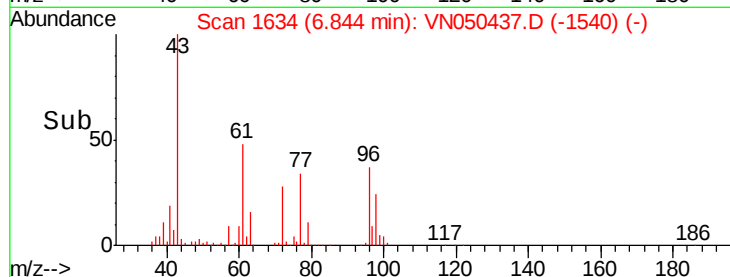
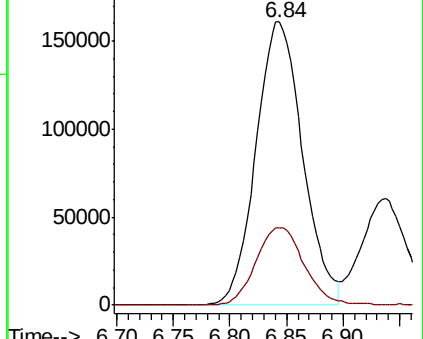
43 100

72 27.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.42 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050437.D

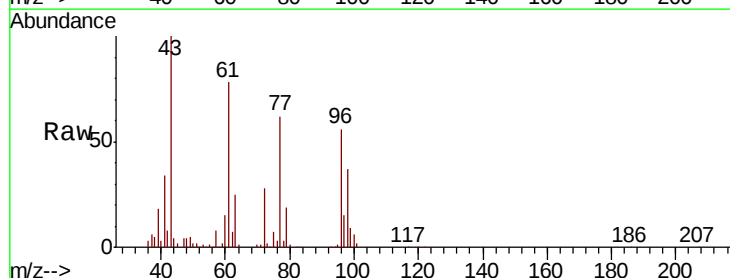
Acq: 7 Aug 2018 17:30

Tgt Ion: 77 Resp: 222746

Ion Ratio Lower Upper

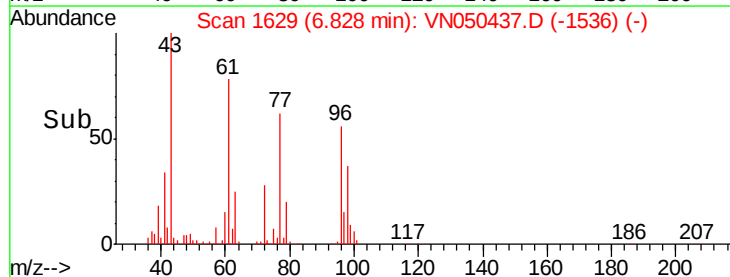
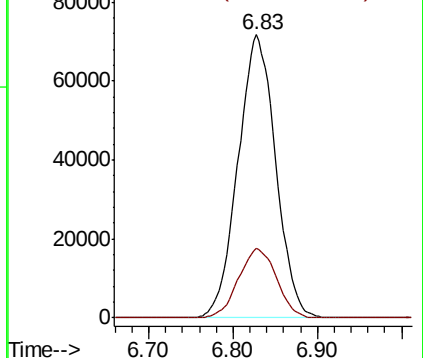
77 100

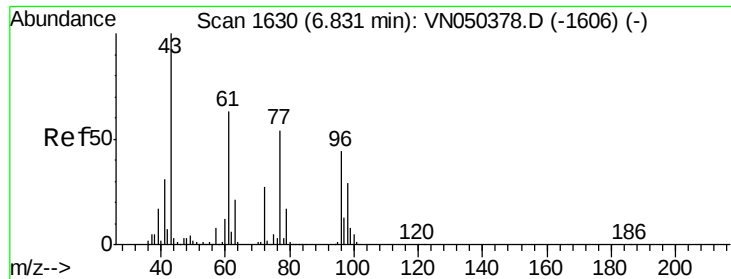
97 24.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.39 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

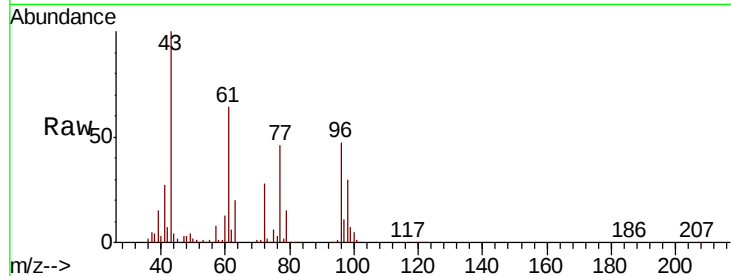
Tot Ion: 96 Resp: 199908

Ion Ratio Lower Upper

96 100

61 136.5 0.0 285.0

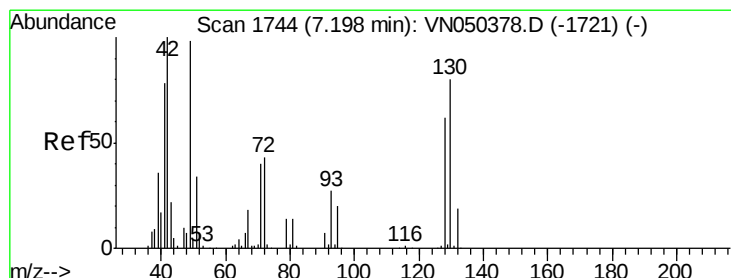
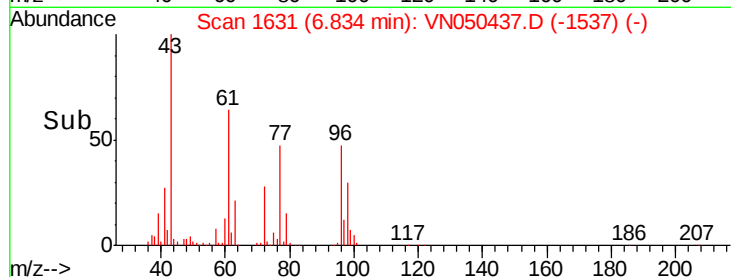
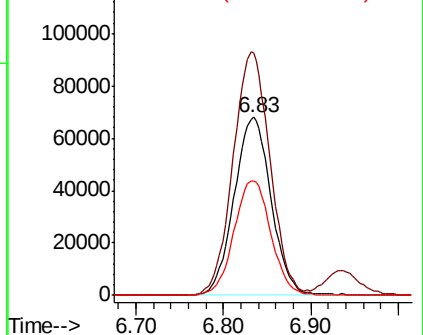
98 64.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.50 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

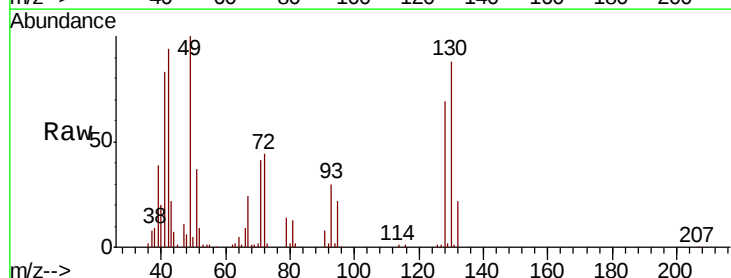
Tgt Ion: 49 Resp: 132539

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

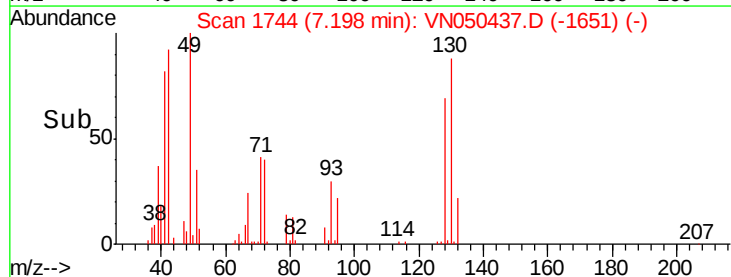
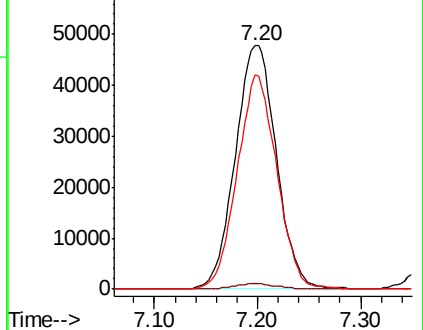
130 84.7 66.3 99.5

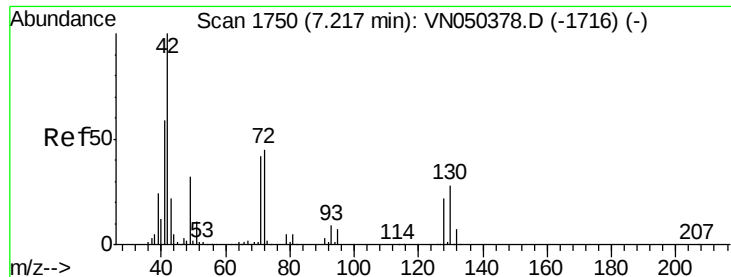


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.44 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

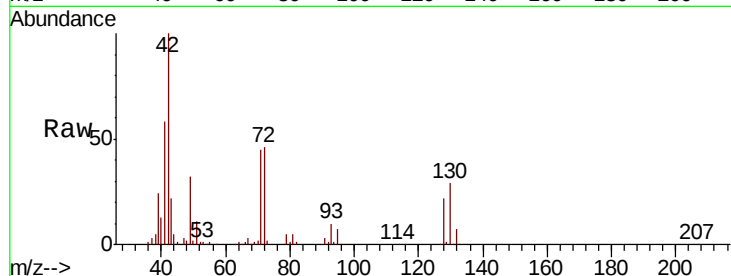
Tot Ion: 42 Resp: 247647

Ion Ratio Lower Upper

42 100

72 45.4 35.9 53.9

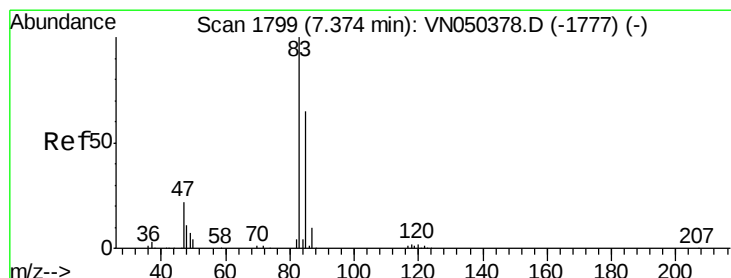
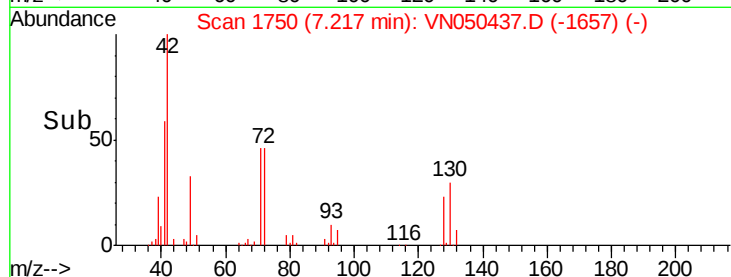
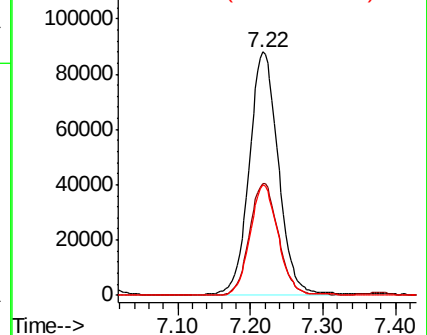
71 43.7 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.84 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050437.D

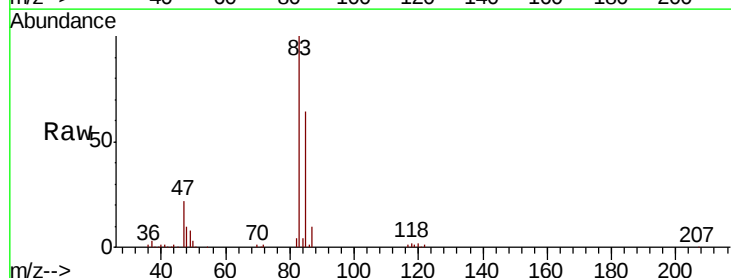
Acq: 7 Aug 2018 17:30

Tgt Ion: 83 Resp: 326358

Ion Ratio Lower Upper

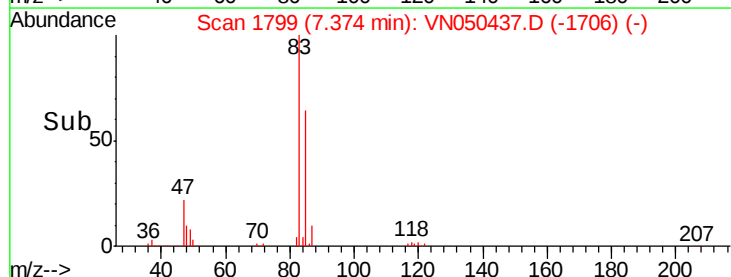
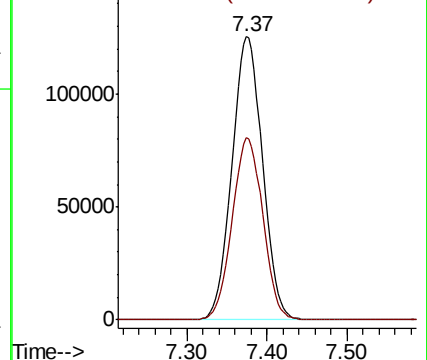
83 100

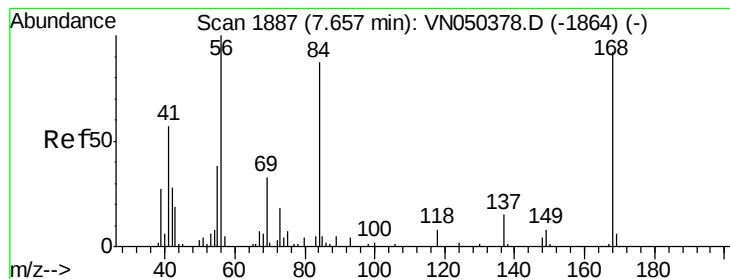
85 64.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.81 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

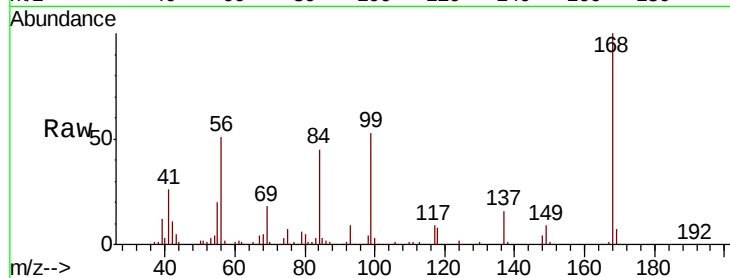
Tot Ion: 56 Resp: 277965

Ion Ratio Lower Upper

56 100

69 35.9 26.2 39.4

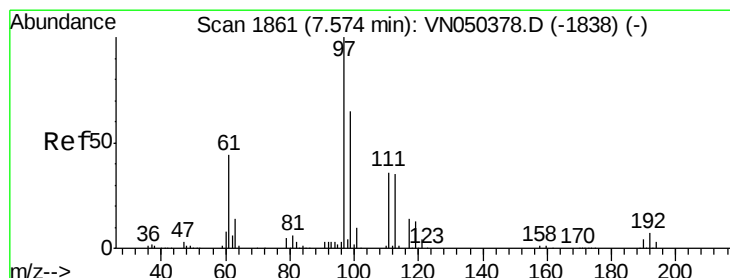
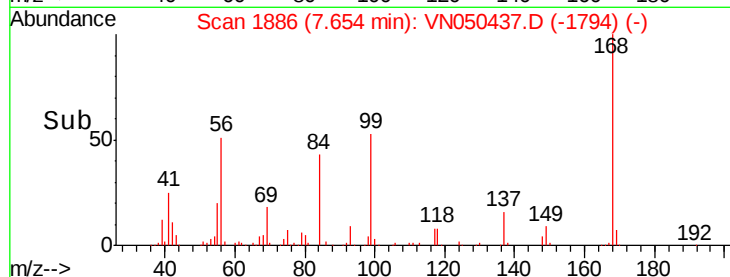
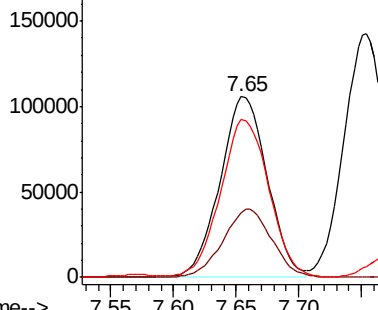
84 86.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.76 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

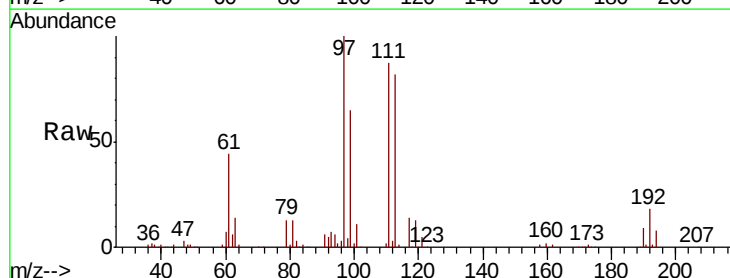
Tgt Ion: 97 Resp: 279107

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

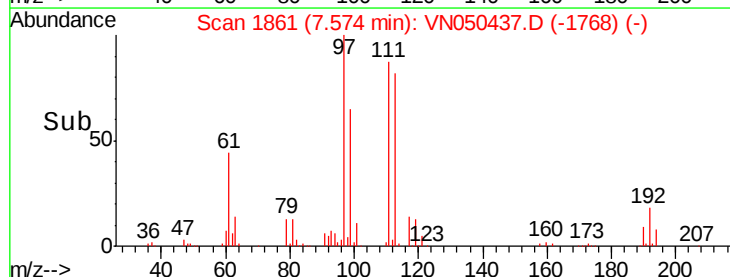
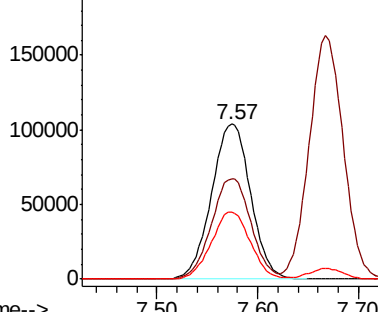
61 43.4 35.4 53.0

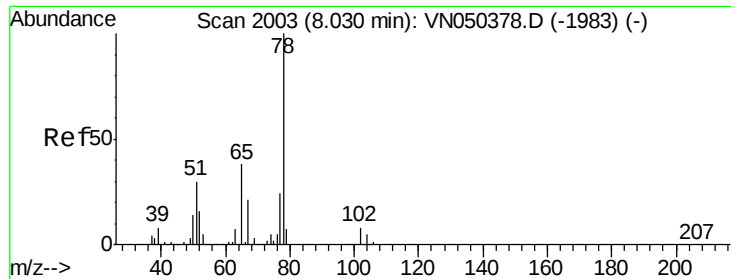


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

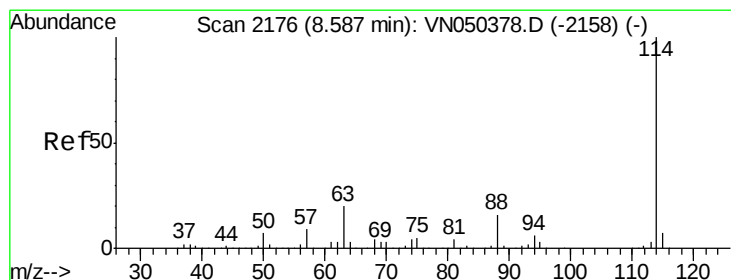
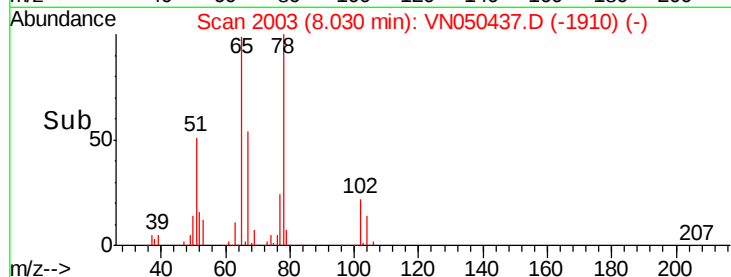
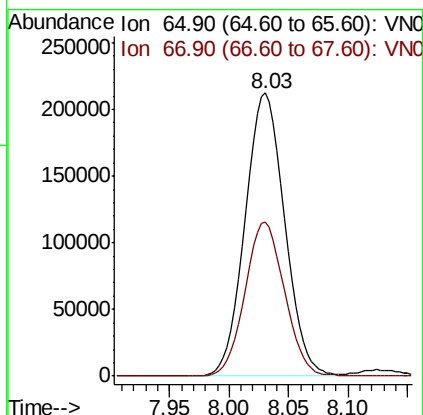
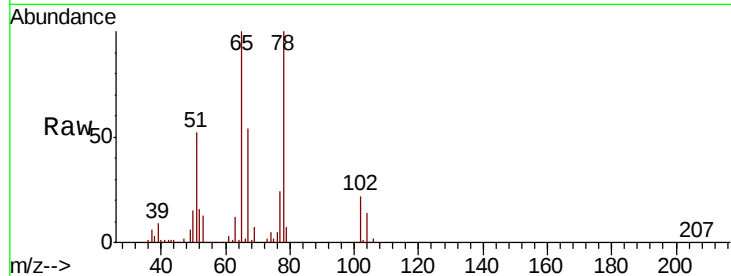




#33
 1,2-Dichloroethane-d4
 Concen: 48.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

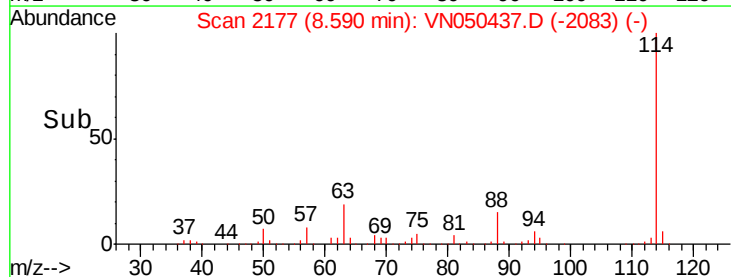
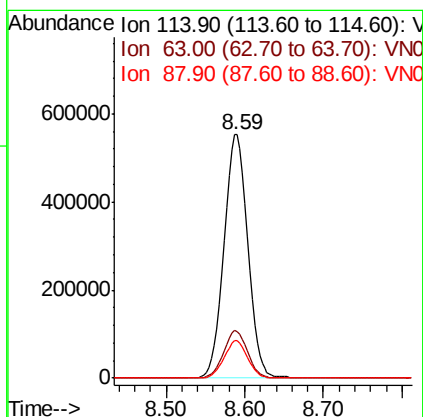
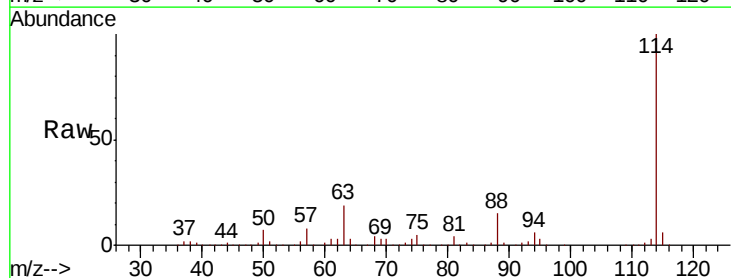
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

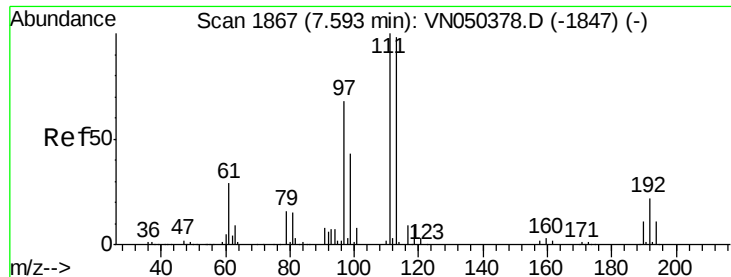
Tot Ion: 65 Resp: 490374
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion: 114 Resp: 1151107
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.5 0.0 31.2

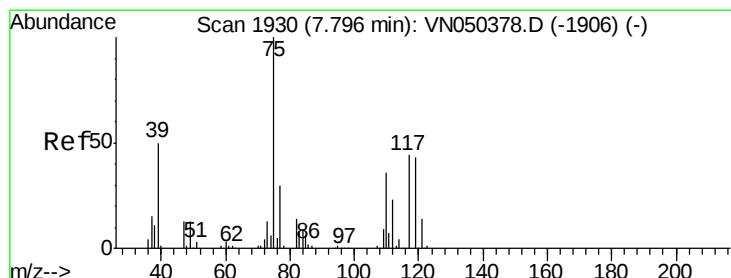
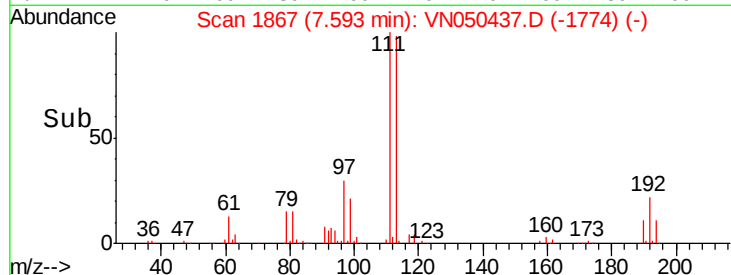
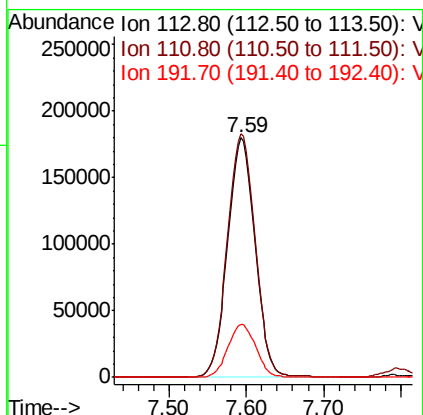
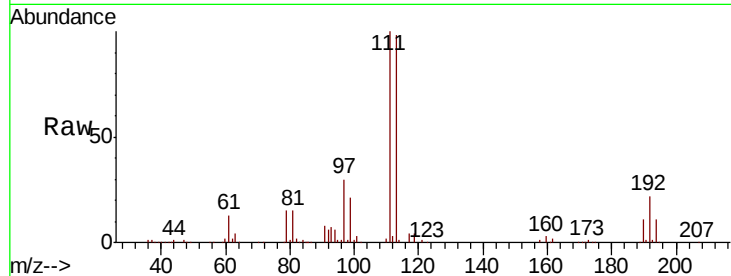




#35
 Dibromofluoromethane
 Concen: 47.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

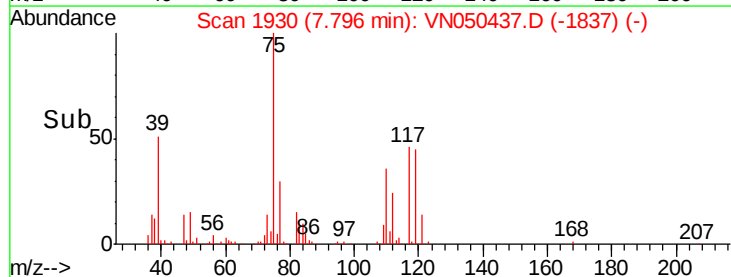
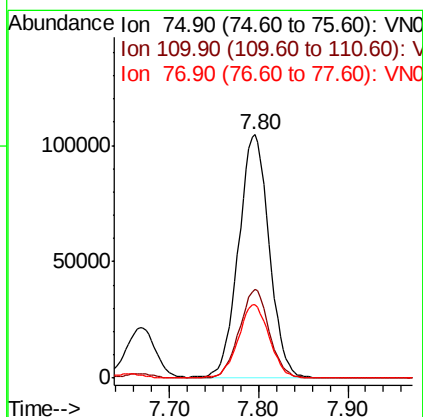
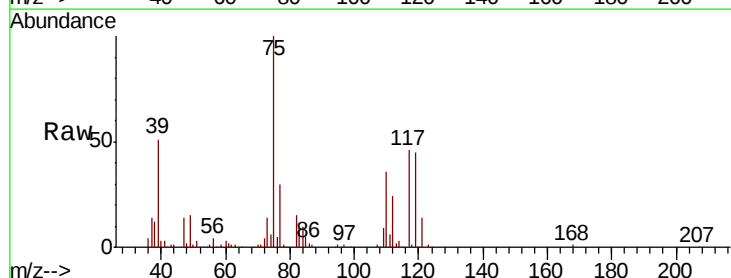
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

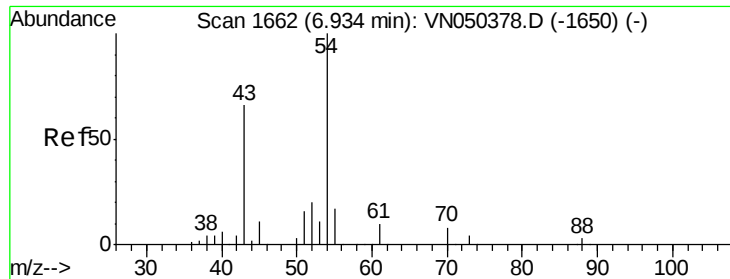
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.7	121.1
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.76 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.4	55.2
77	30.9	25.3	37.9

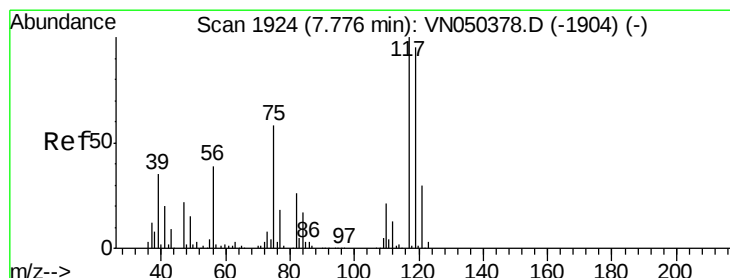
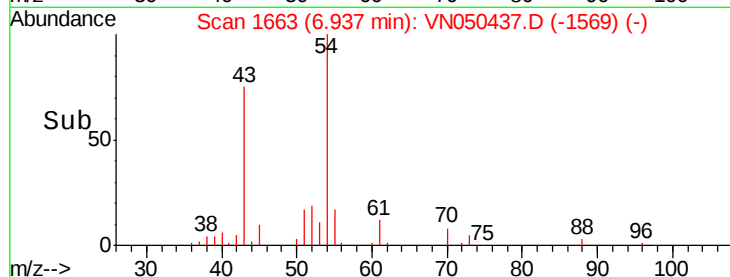
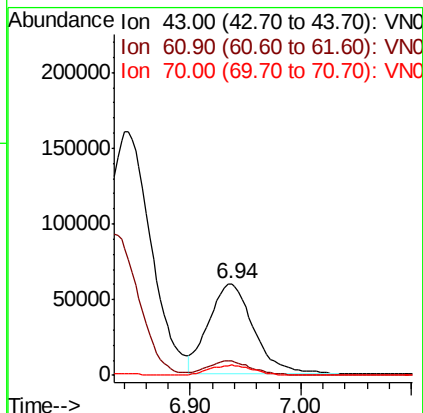
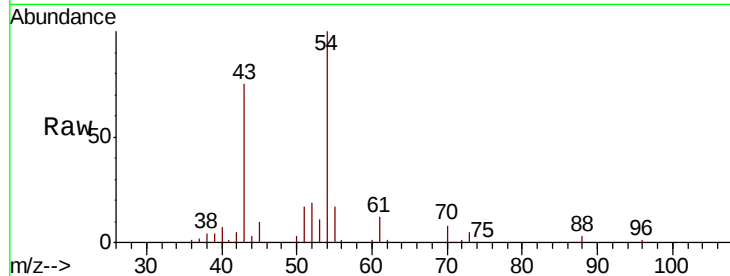




#37
Ethyl Acetate
Concen: 18.44 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

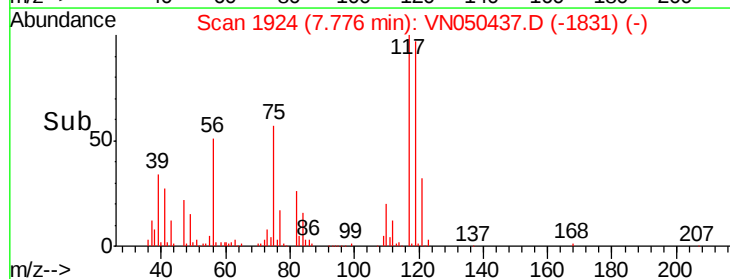
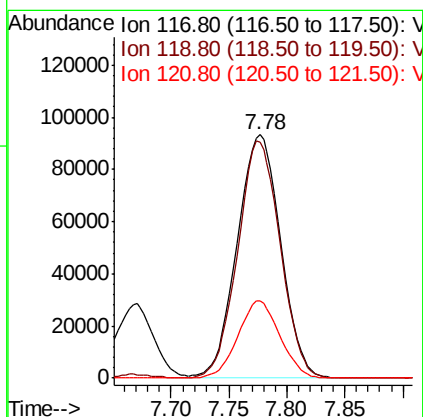
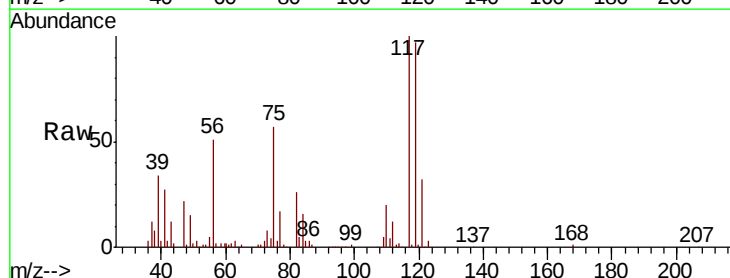
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

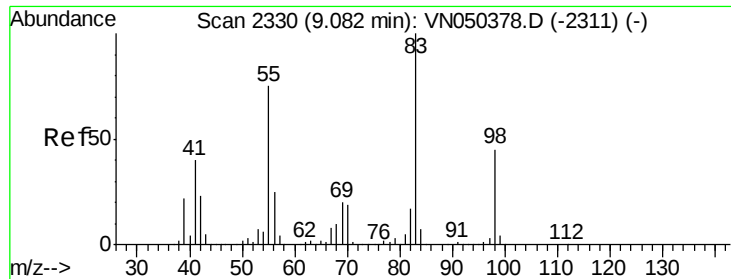
Tot Ion: 43 Resp: 167912
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.8
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.32 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 117 Resp: 241759
Ion Ratio Lower Upper
117 100
119 96.9 77.4 116.0
121 31.9 23.9 35.9

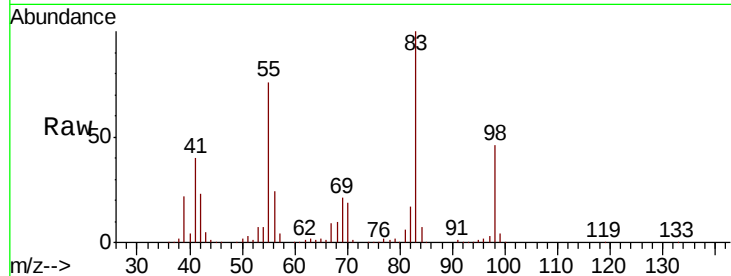




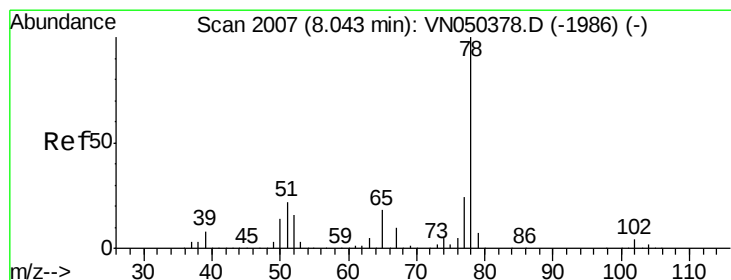
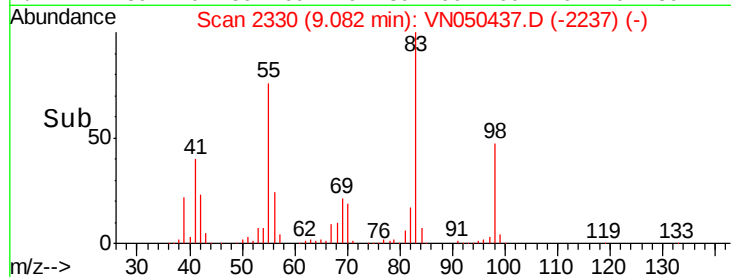
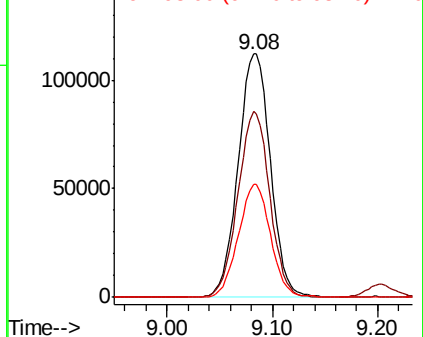
#39
Methvlcvclohexane
Concen: 17.26 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion: 83 Resp: 238334
Ion Ratio Lower Upper
83 100
55 76.1 61.8 92.8
98 46.5 36.5 54.7

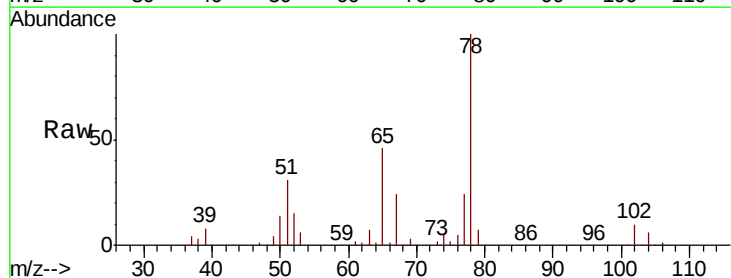


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

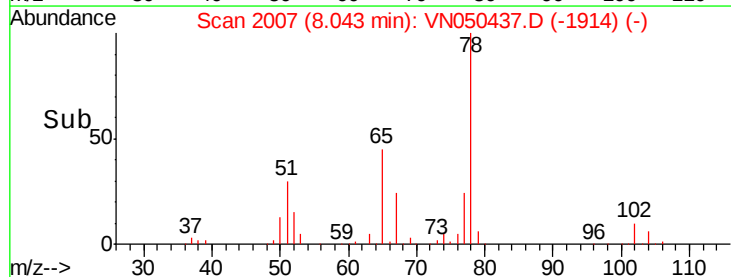
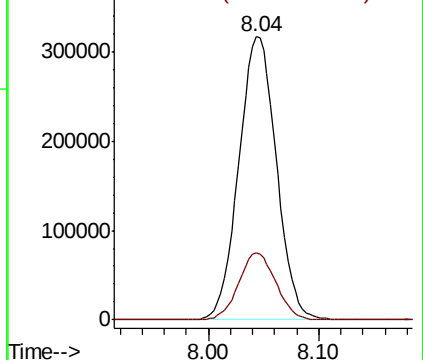


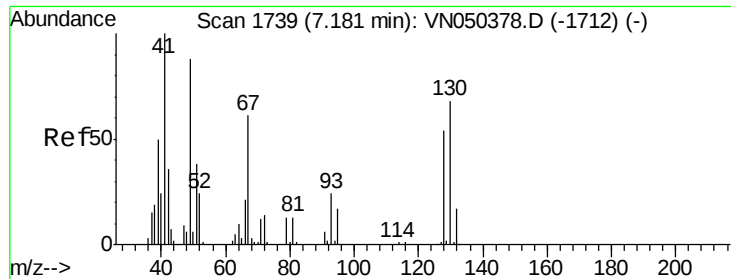
#40
Benzene
Concen: 19.22 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 78 Resp: 747536
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



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

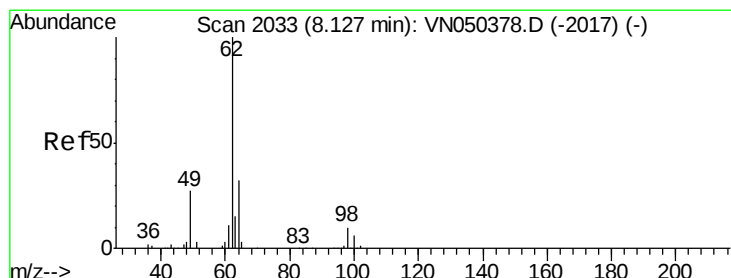
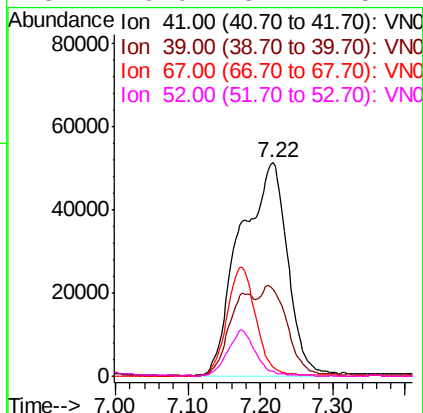
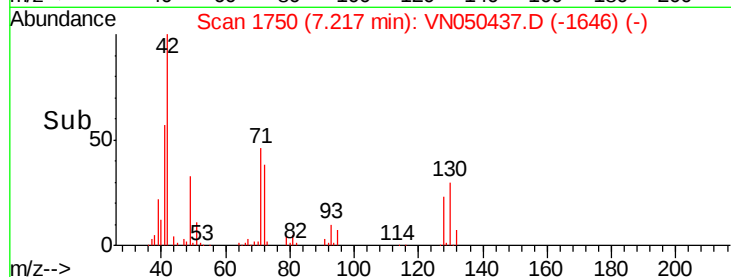
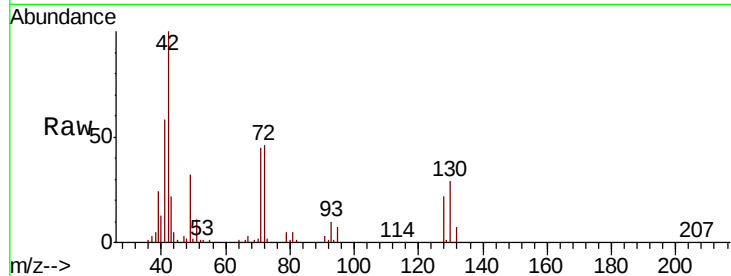




#41
Methacrylonitrile
Concen: 48.46 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.04 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

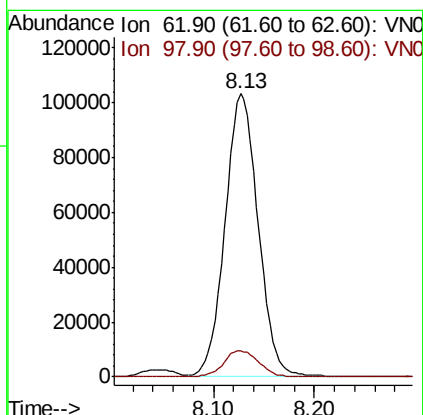
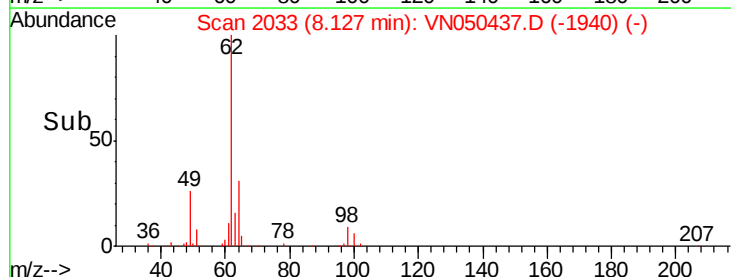
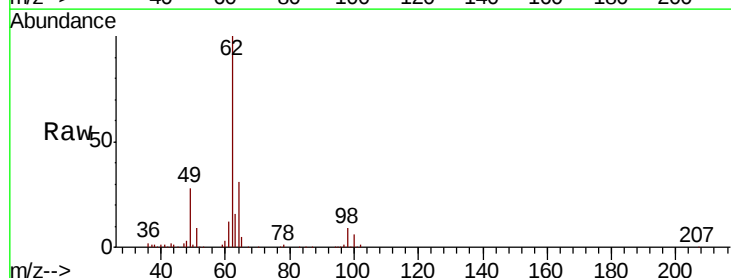
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

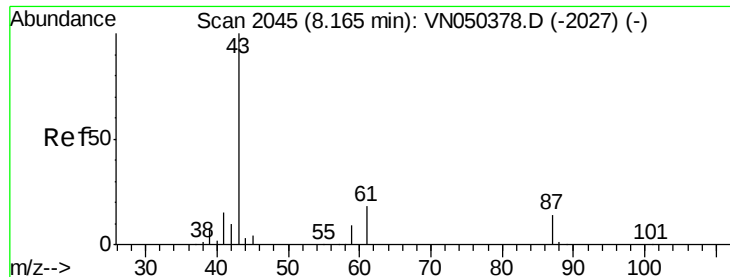
Tot Ion: 41 Resp: 234686
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 19.06 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 62 Resp: 235230
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.8





#43

Isopropyl Acetate

Concen: 19.39 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleID :

VN0807WBSD01

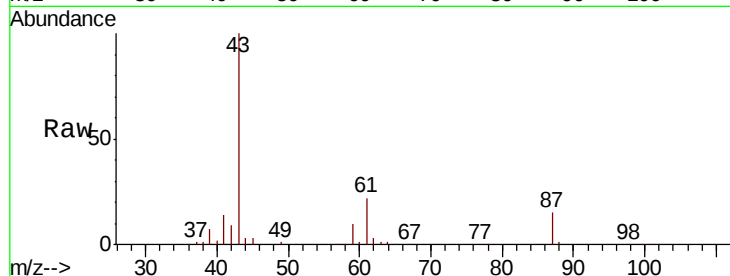
Tot Ion: 43 Resp: 304944

Ion Ratio Lower Upper

43 100

61 21.8 15.8 23.6

87 14.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050437.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050437.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050437.D (-1952) (-)

8.17

150000

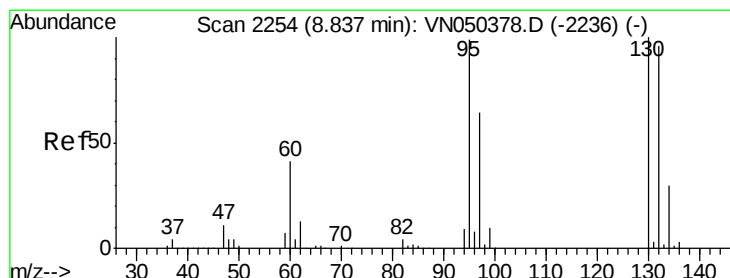
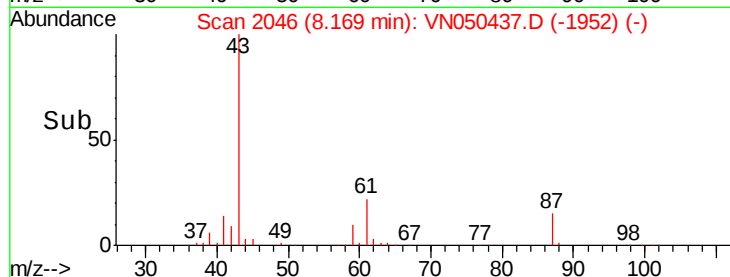
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.24 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050437.D

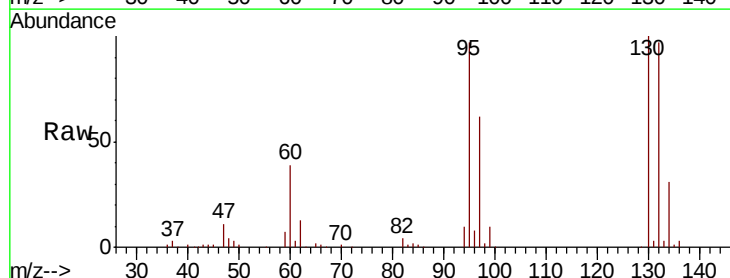
Acq: 7 Aug 2018 17:30

Tgt Ion:130 Resp: 201037

Ion Ratio Lower Upper

130 100

95 97.1 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050437.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050437.D (-2161) (-)

8.84

100000

80000

60000

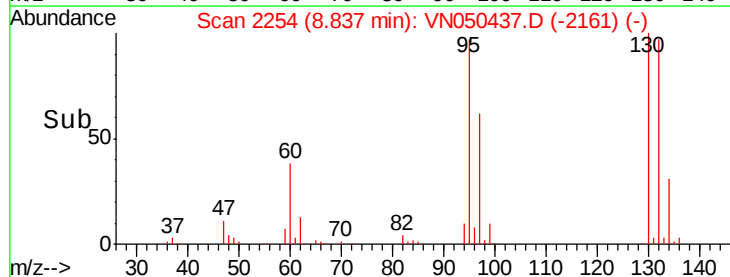
40000

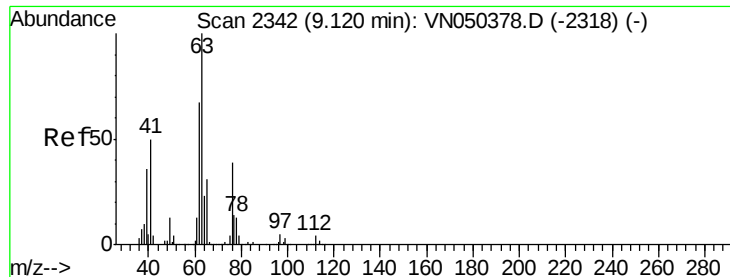
20000

0

8.75 8.80 8.85 8.90

Time-->

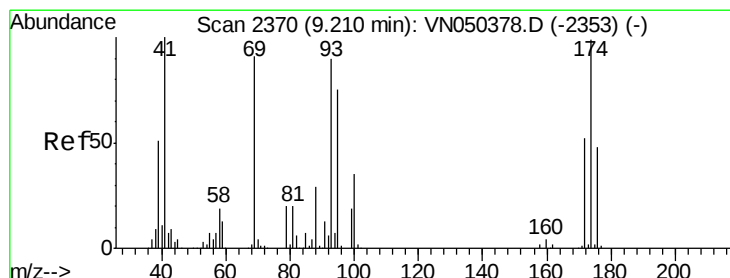
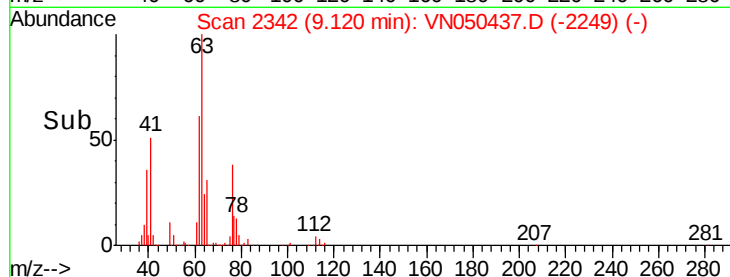
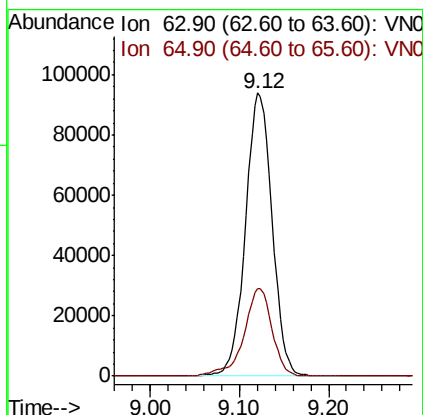
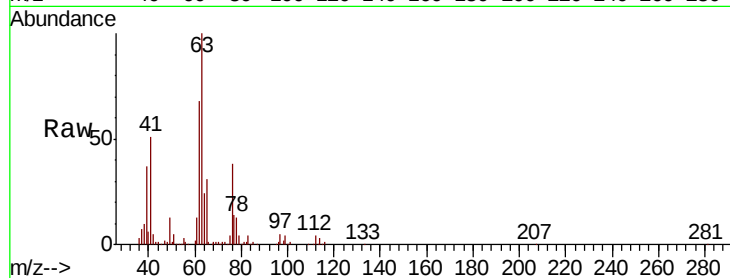




#45
 1,2-Dichloropropane
 Concen: 19.12 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

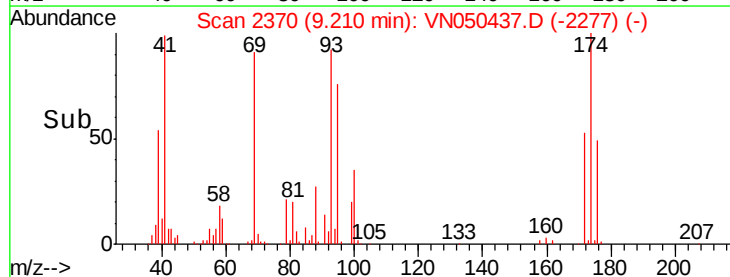
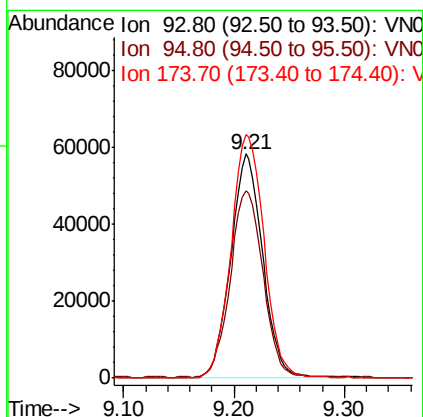
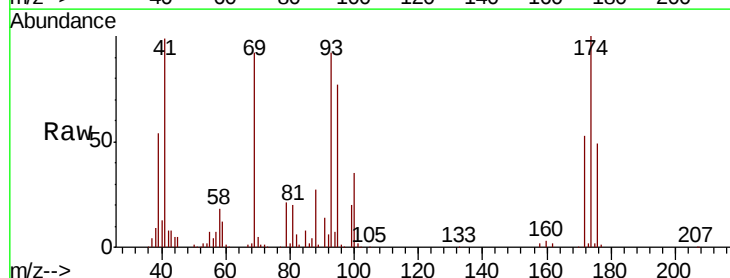
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

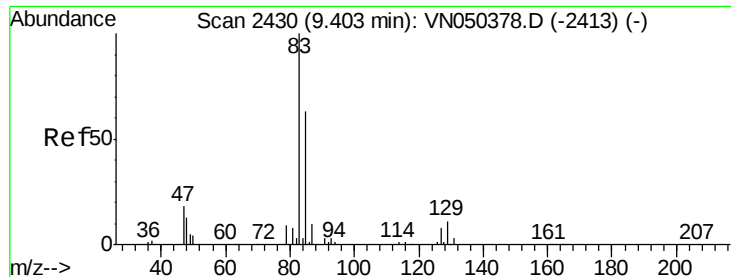
Tot Ion: 63 Resp: 195484
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.5 38.3



#46
 Dibromomethane
 Concen: 18.60 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion: 93 Resp: 117413
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.6 100.0
 174 112.0 87.1 130.7





#47

Bromodichloromethane

Concen: 18.52 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

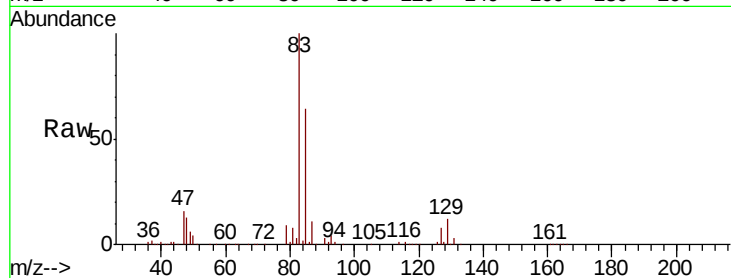
Tot Ion: 83 Resp: 242106

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

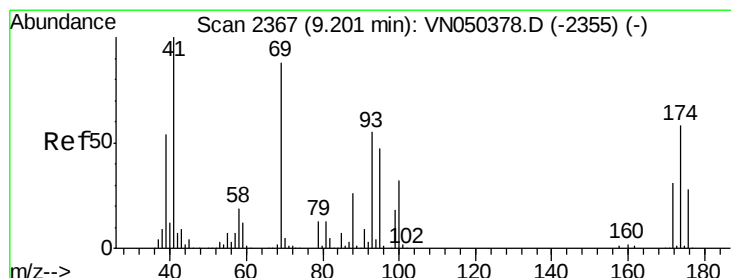
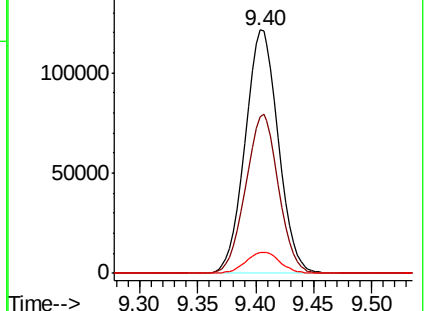
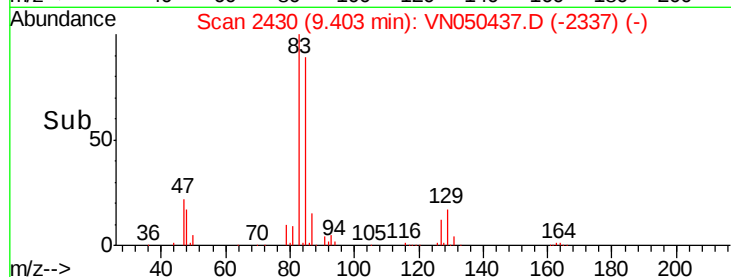
127 8.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.27 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

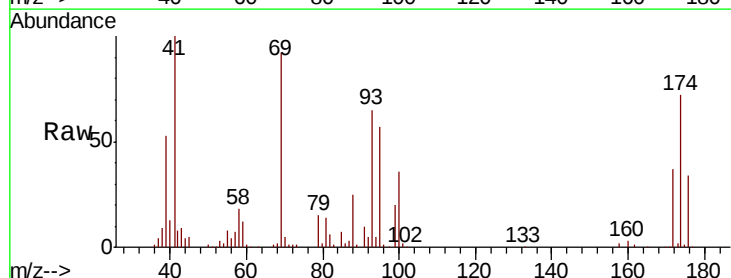
Tgt Ion: 41 Resp: 143959

Ion Ratio Lower Upper

41 100

69 89.9 70.6 105.8

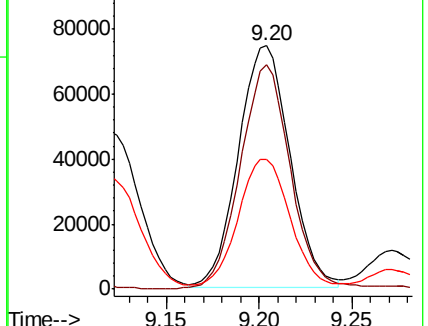
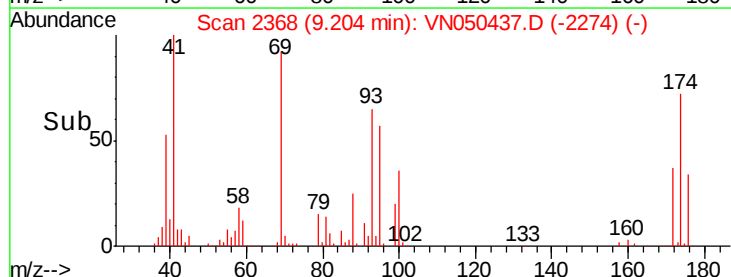
39 54.2 43.9 65.9

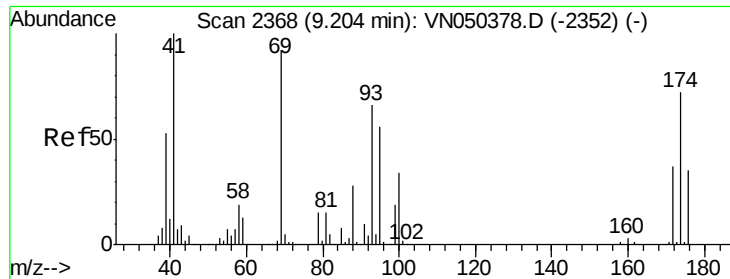


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 333.79 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

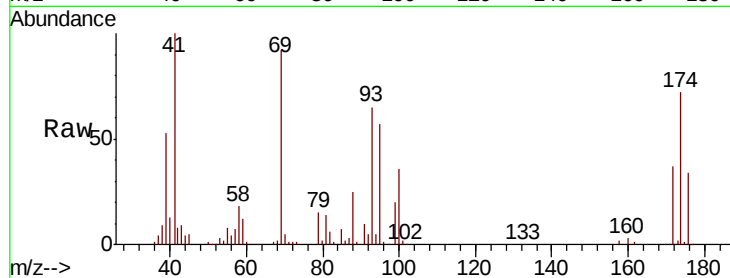
Tot Ion: 88 Resp: 40547

Ion Ratio Lower Upper

88 100

43 32.9 26.9 40.3

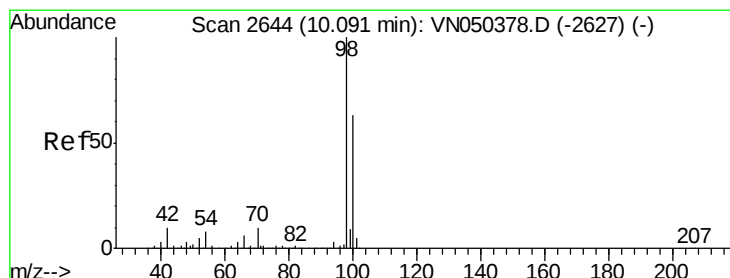
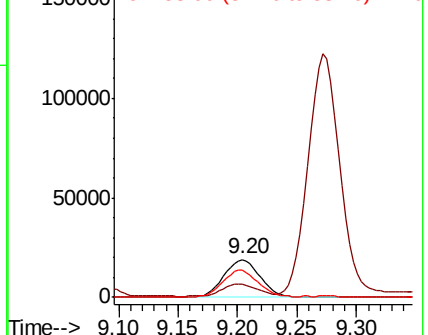
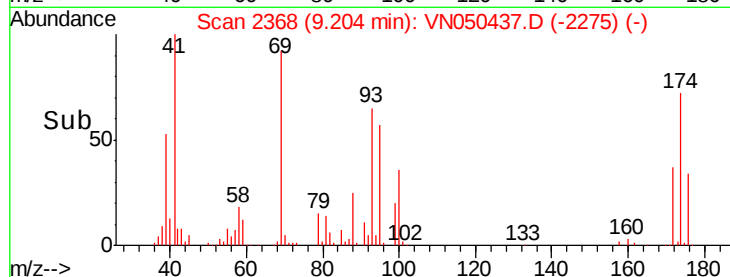
58 70.2 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.80 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050437.D

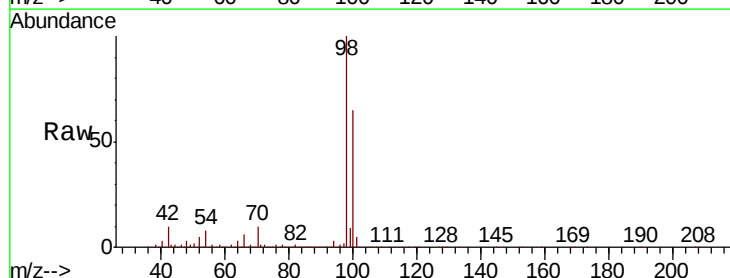
Acq: 7 Aug 2018 17:30

Tgt Ion: 98 Resp: 1660002

Ion Ratio Lower Upper

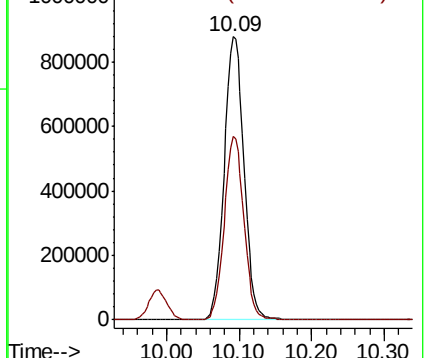
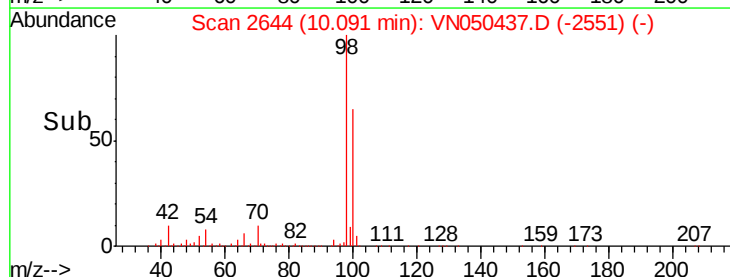
98 100

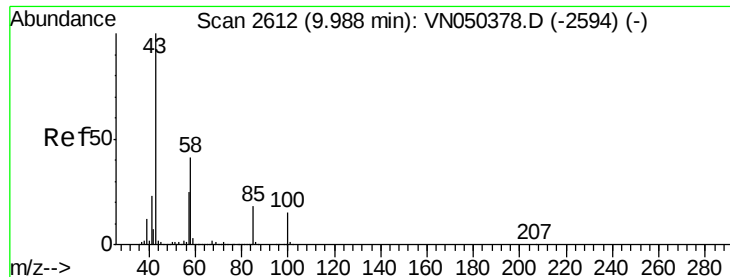
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

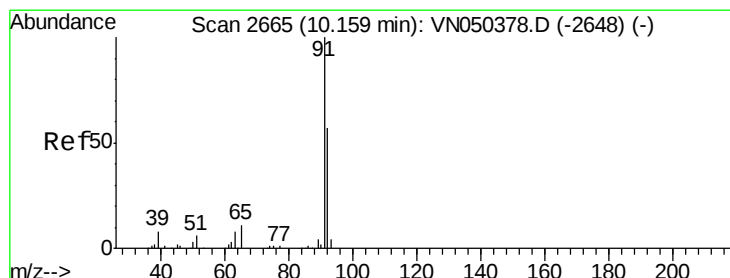
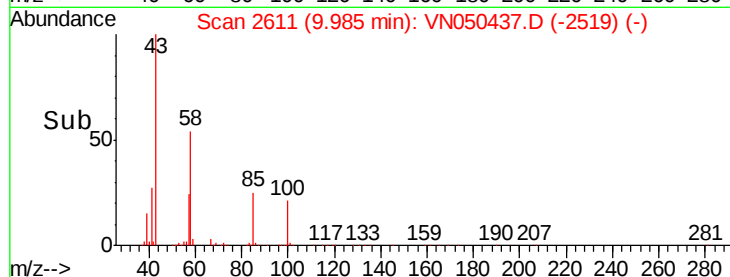
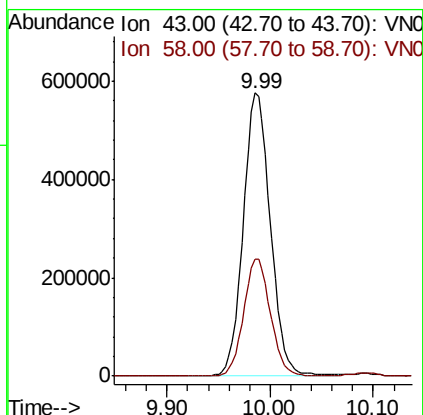
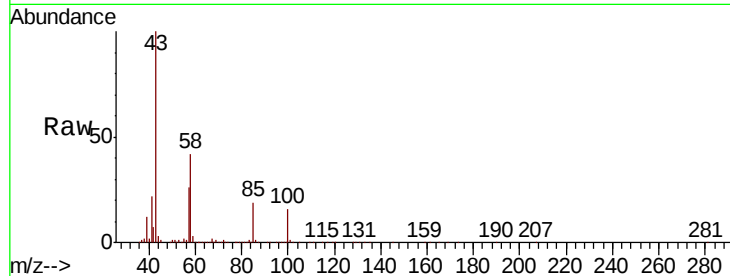




#51
 4-Methyl-2-Pentanone
 Concen: 92.60 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

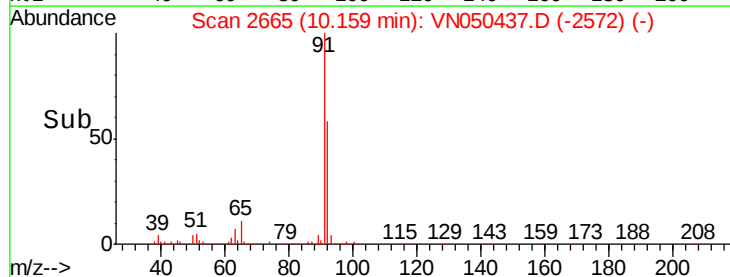
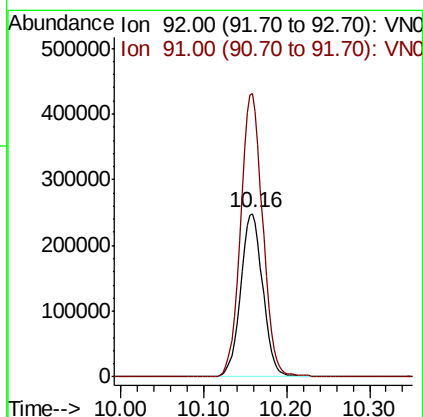
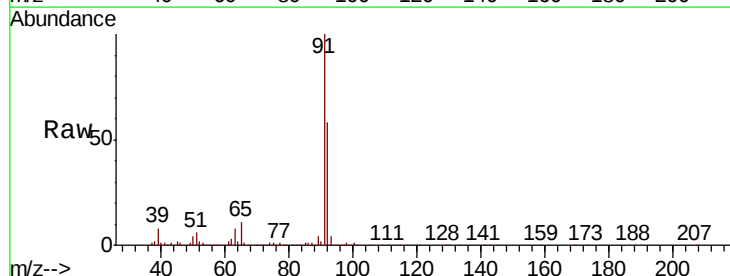
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

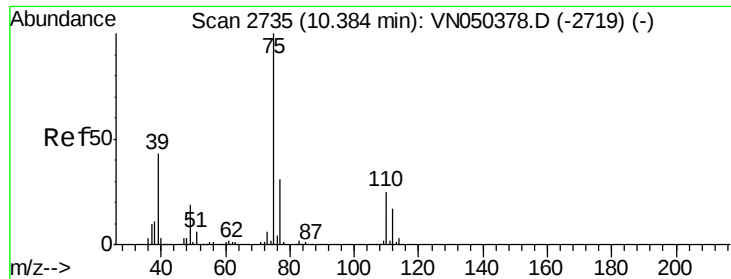
Tot Ion: 43 Resp: 1048541
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.9 47.9



#52
 Toluene
 Concen: 19.86 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion: 92 Resp: 463943
 Ion Ratio Lower Upper
 92 100
 91 172.5 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

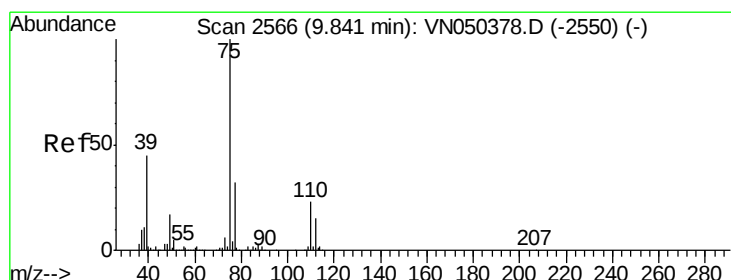
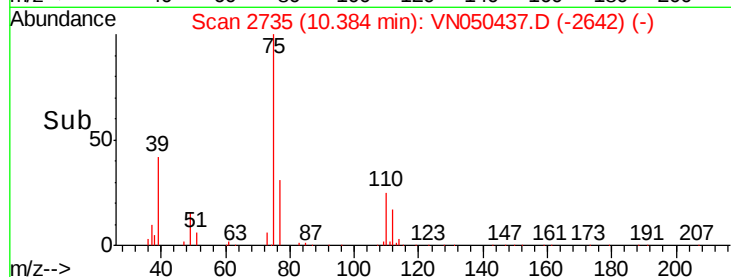
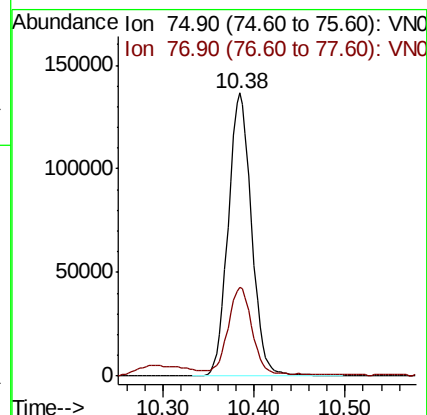
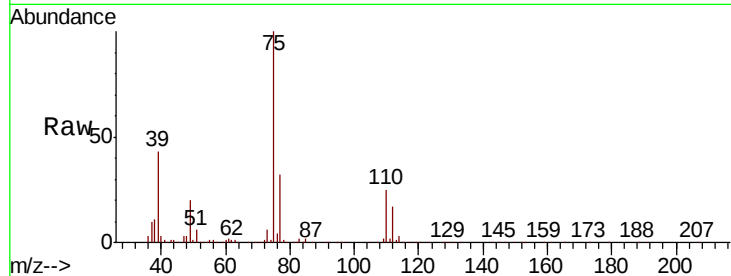
VN0807WBSD01

Tot Ion: 75 Resp: 243416

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.14 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

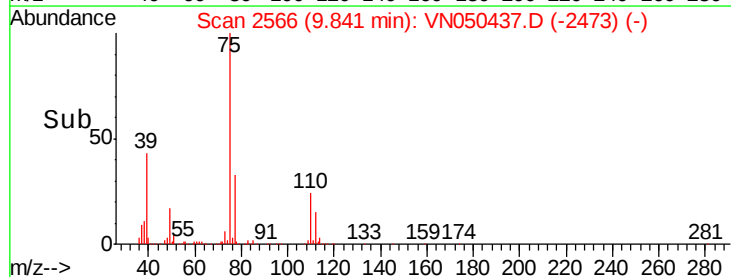
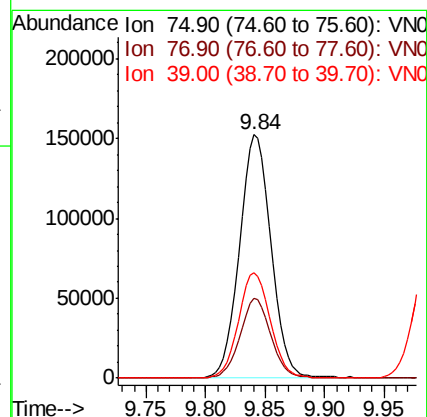
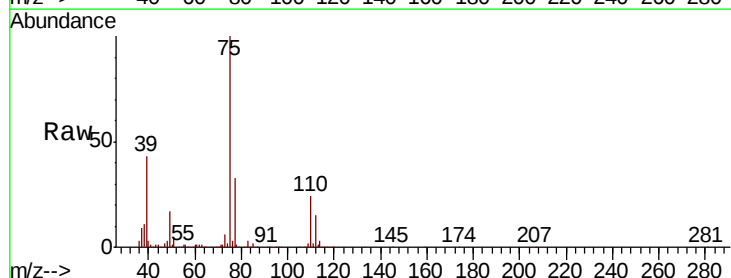
Tgt Ion: 75 Resp: 280384

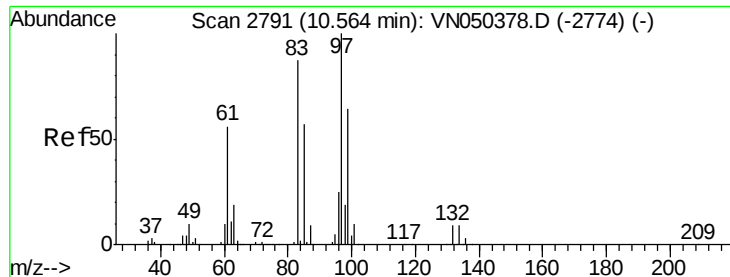
Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

39 43.2 36.6 55.0

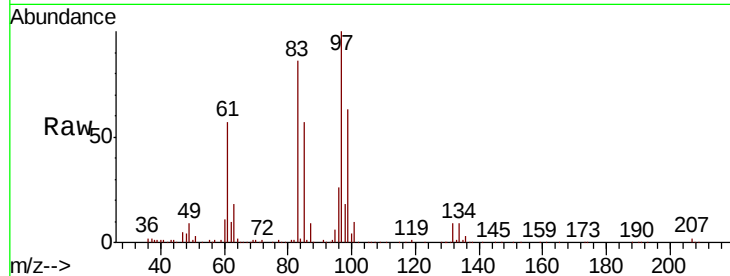




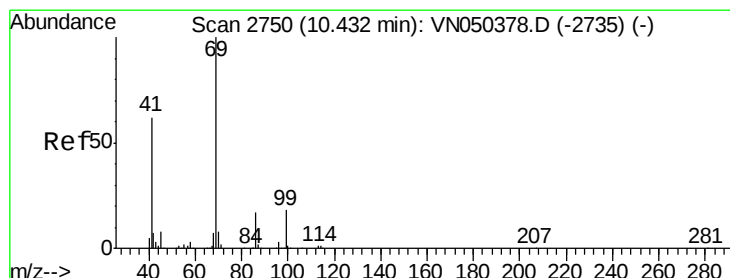
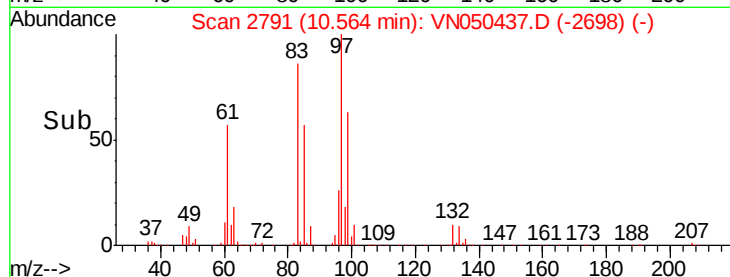
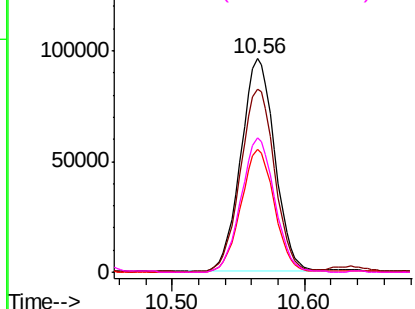
#55
 1,1,2-Trichloroethane
 Concen: 18.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Tot Ion	97	Resp	171610
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.2	103.8
85	57.4	44.0	66.0
99	62.8	49.9	74.9

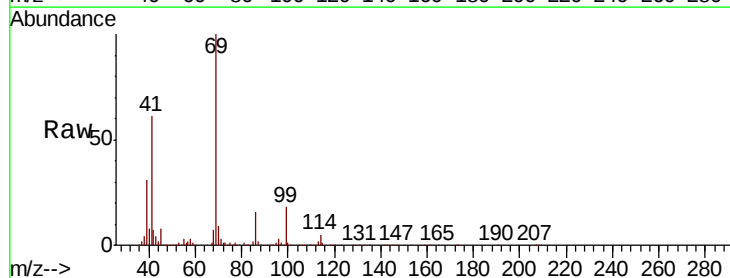


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

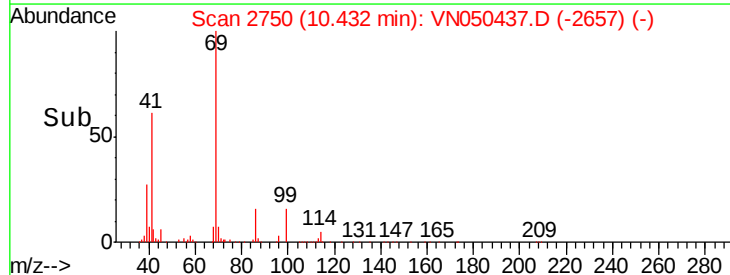
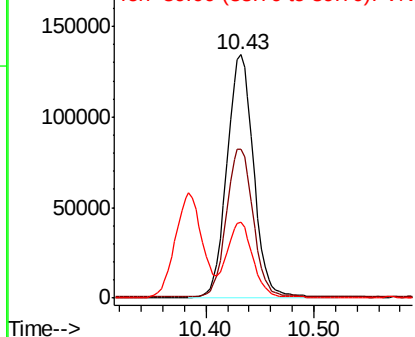


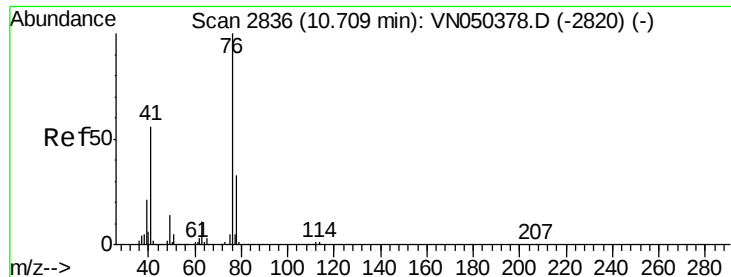
#56
 Ethyl methacrylate
 Concen: 18.94 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	69	Resp	230213
Ion	Ratio	Lower	Upper
69	100		
41	60.4	51.0	76.4
39	30.3	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 19.13 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

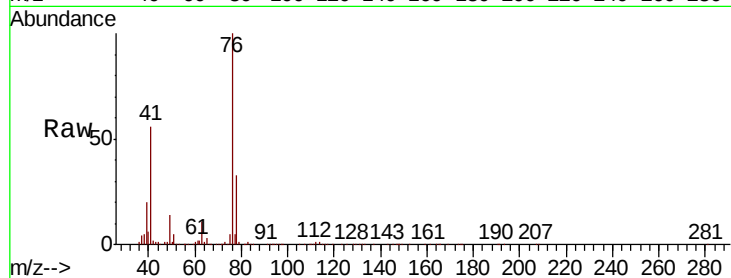
VN0807WBSD01

Tot Ion: 76 Resp: 286328

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

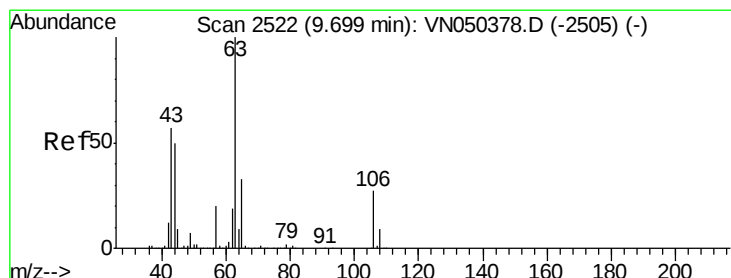
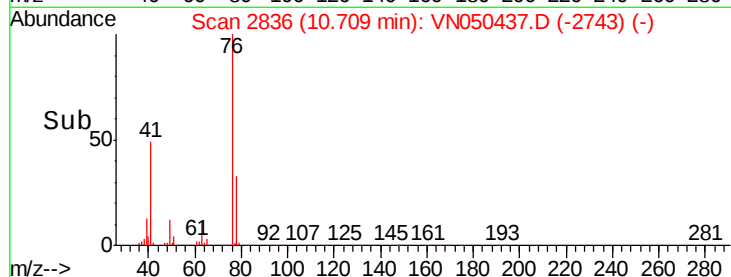
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 88.69 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050437.D

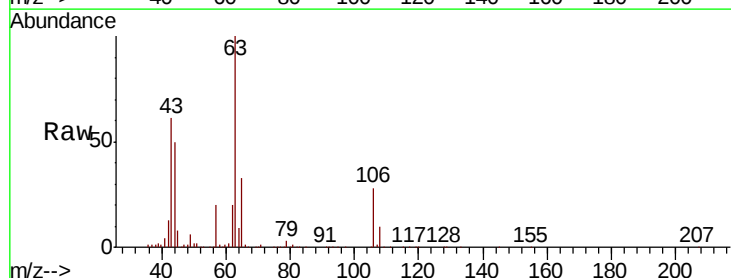
Acq: 7 Aug 2018 17:30

Tgt Ion: 63 Resp: 503873

Ion Ratio Lower Upper

63 100

106 27.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

300000

250000

200000

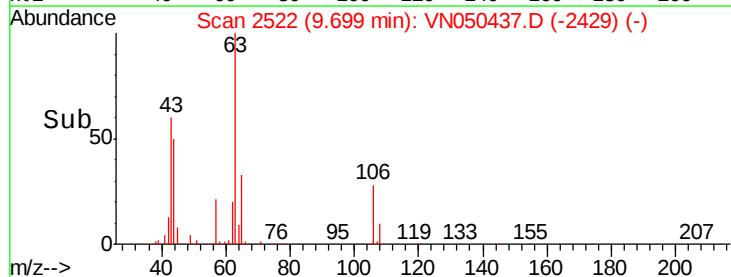
150000

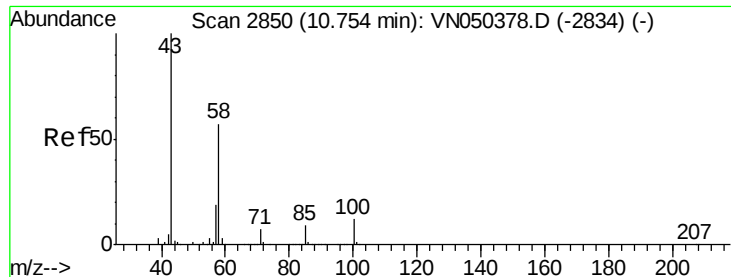
100000

50000

0

Time-->

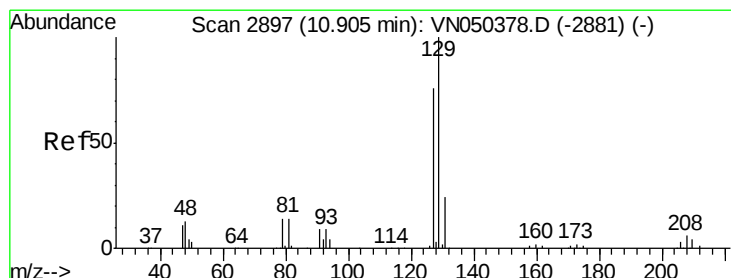
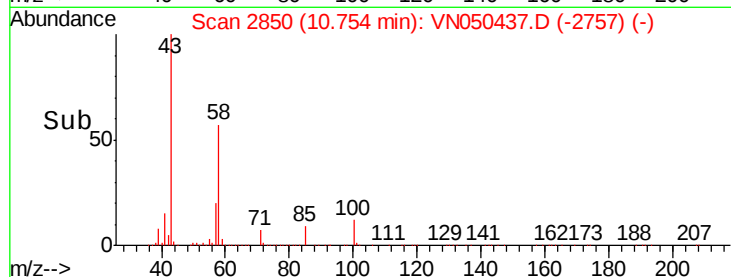
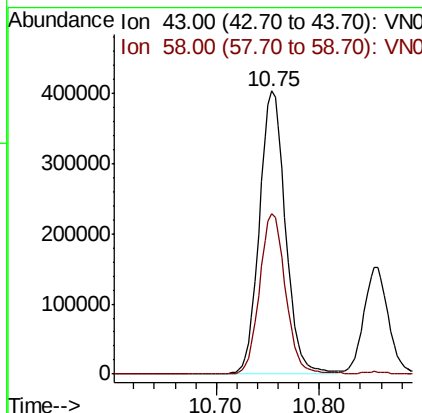
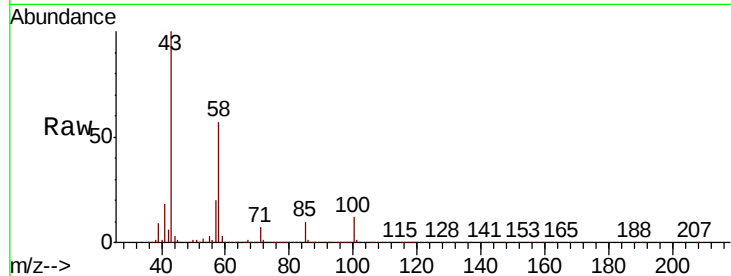




#59
2-Hexanone
Concen: 88.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

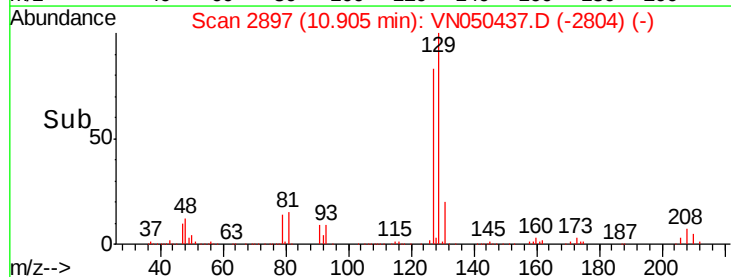
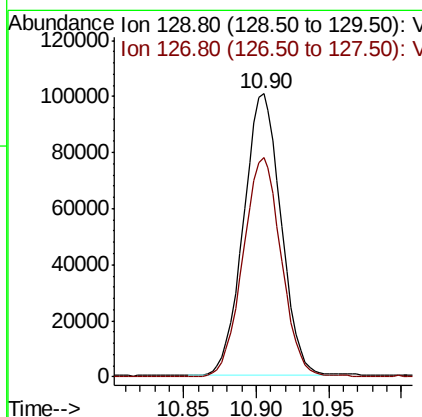
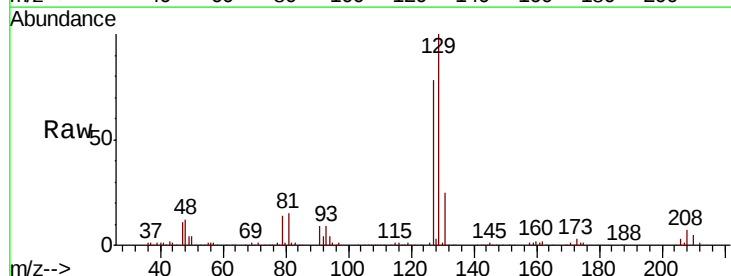
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

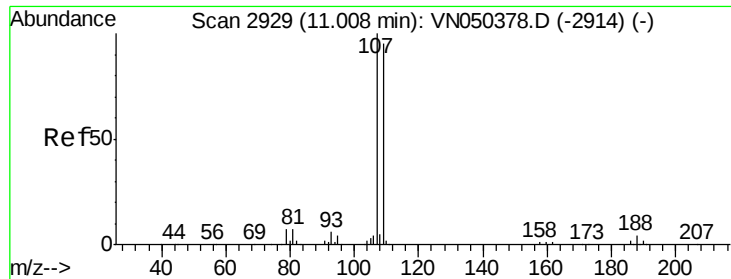
Tot Ion: 43 Resp: 702493
Ion Ratio Lower Upper
43 100
58 56.8 27.6 82.7



#60
Dibromochloromethane
Concen: 18.08 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 129 Resp: 181637
Ion Ratio Lower Upper
129 100
127 78.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.94 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

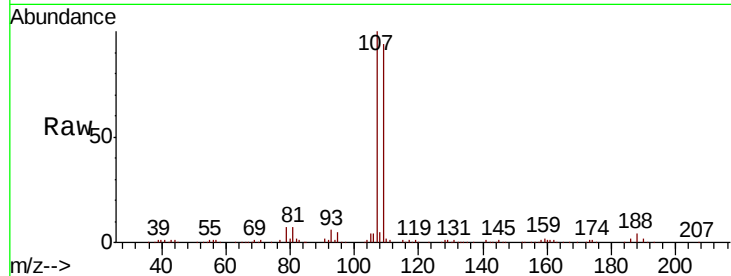
VN0807WBSD01

Tot Ion:107 Resp: 170196

Ion Ratio Lower Upper

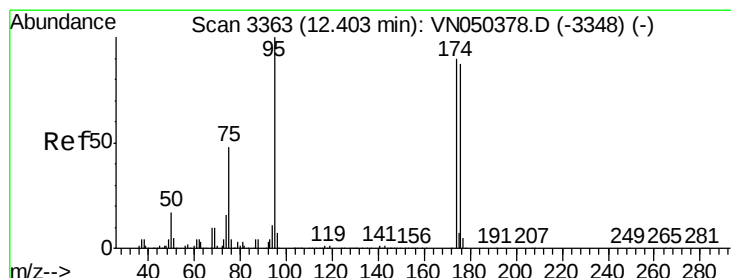
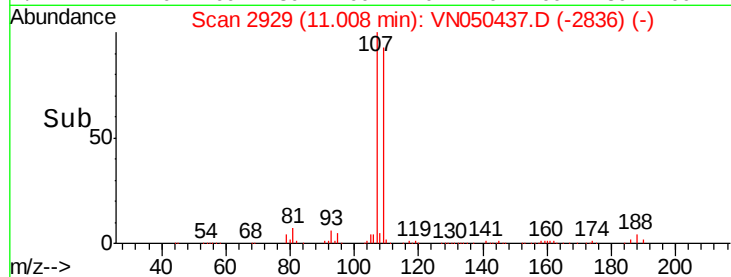
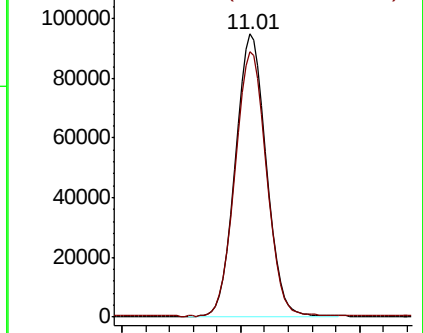
107 100

109 94.9 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

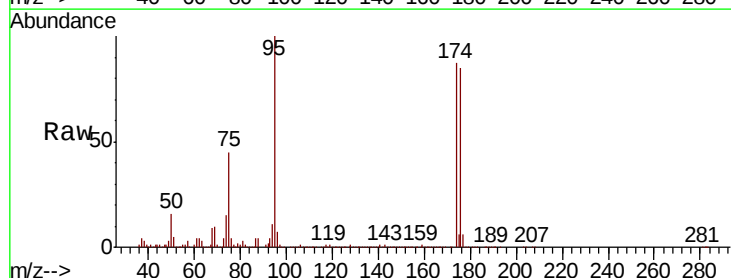
Tgt Ion: 95 Resp: 562660

Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.2

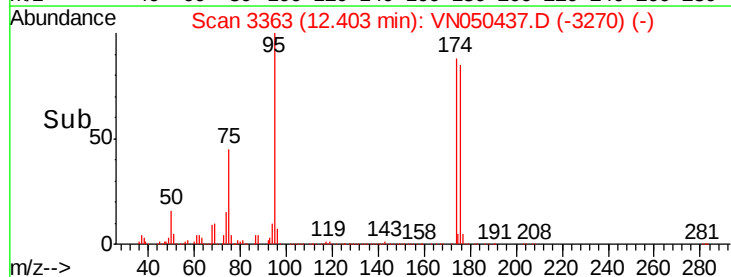
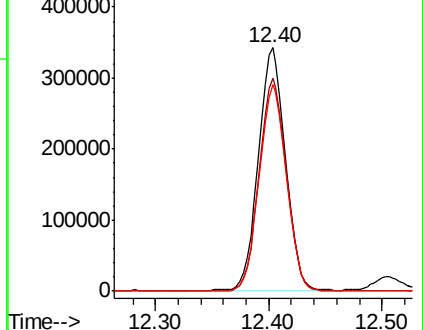
176 86.0 0.0 173.4

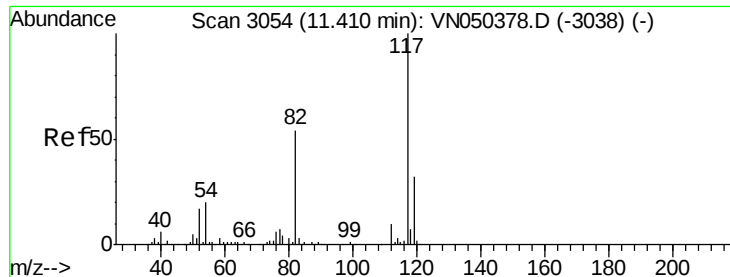


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

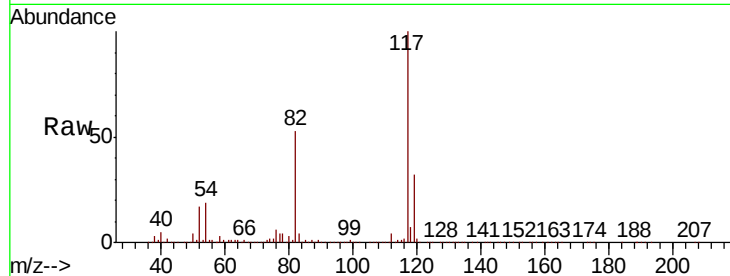




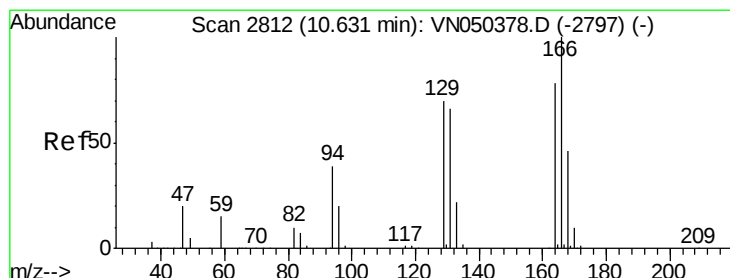
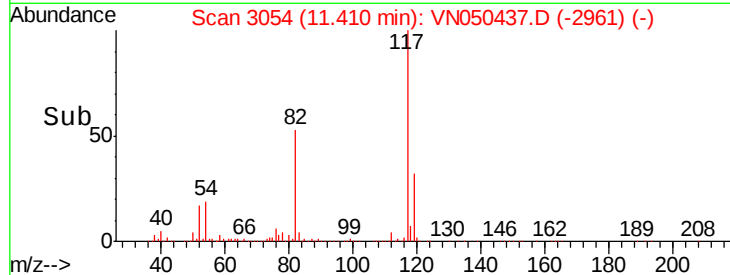
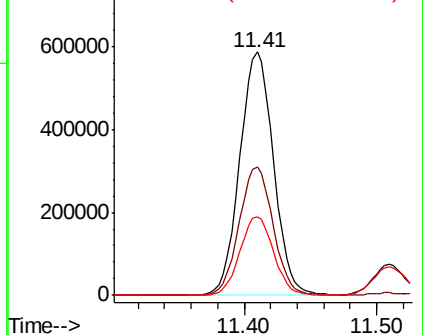
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion:117 Resp: 1038978
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.3 26.1 39.1

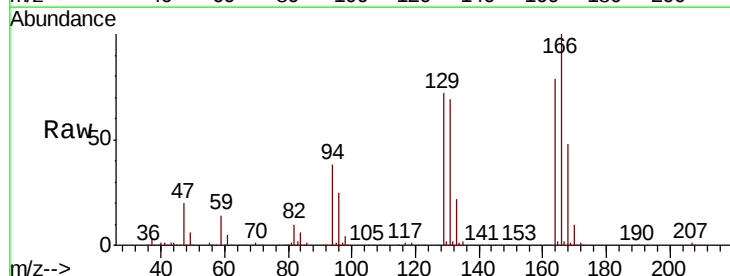


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

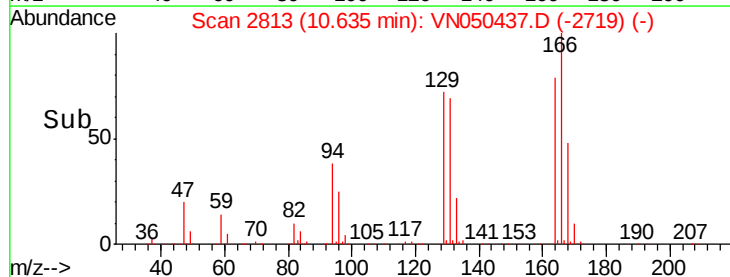
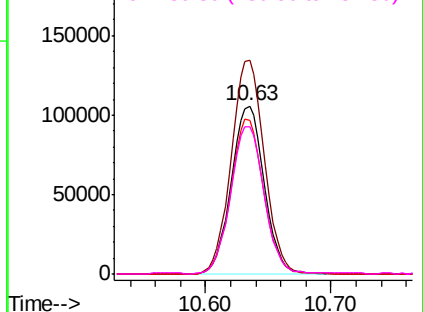


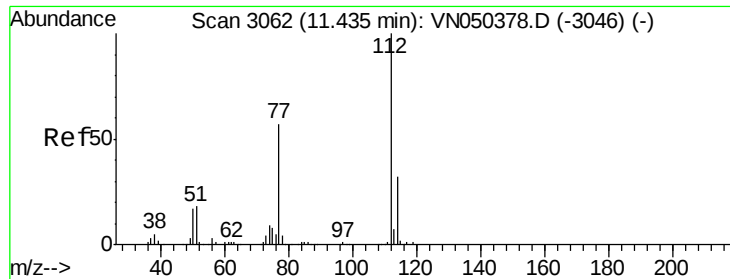
#64
Tetrachloroethene
Concen: 19.84 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion:164 Resp: 192652
Ion Ratio Lower Upper
164 100
166 127.2 102.1 153.1
129 91.7 73.2 109.8
131 87.6 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

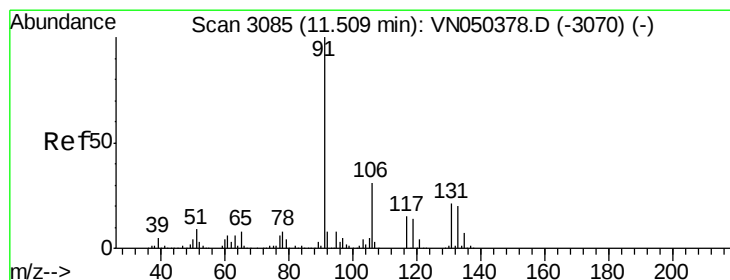
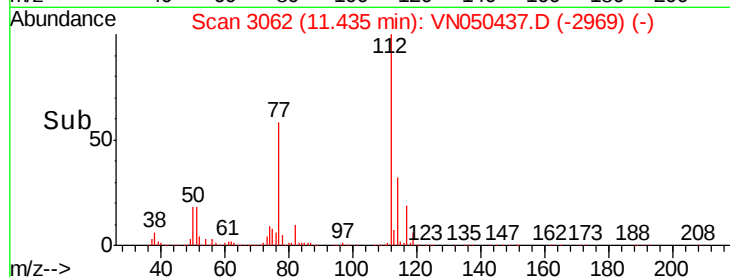
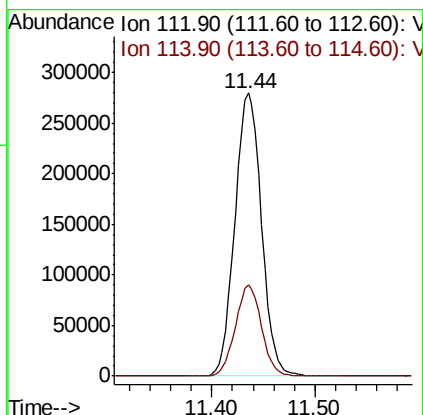
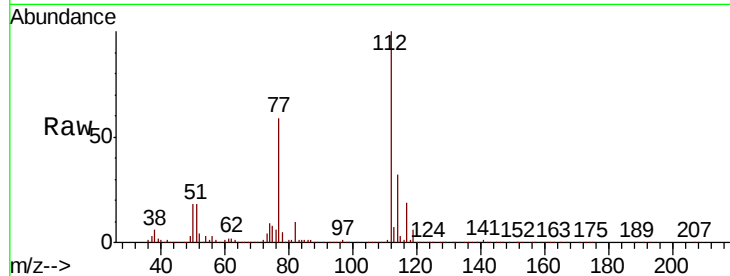




#65
Chlorobenzene
Concen: 19.29 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

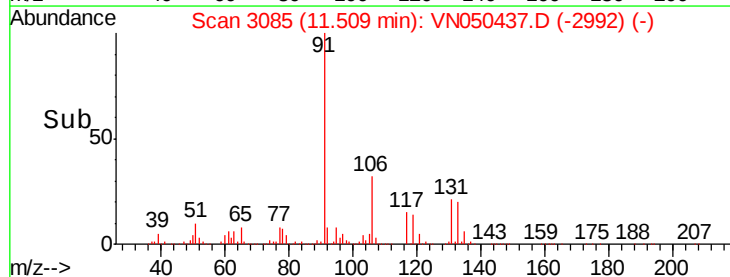
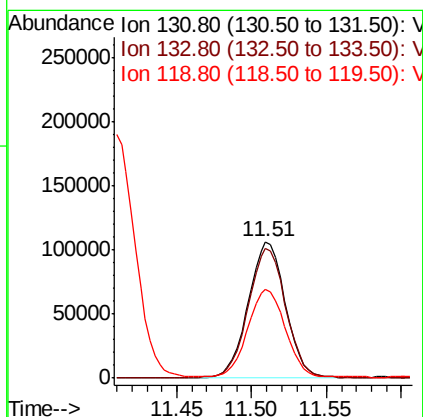
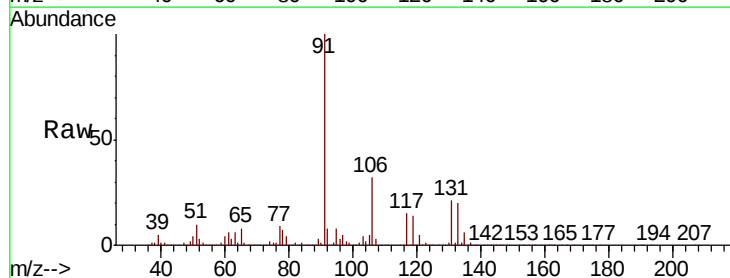
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

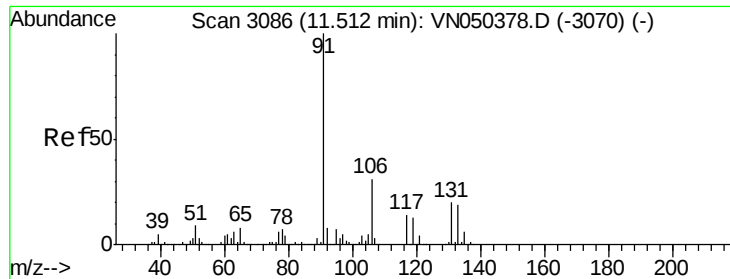
Tot Ion:112 Resp: 502443
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.27 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion:131 Resp: 182696
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.9
119 64.8 32.9 98.7

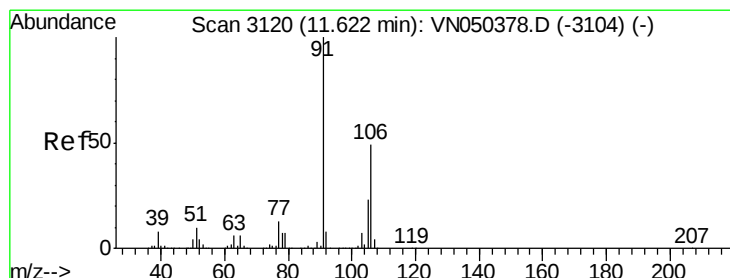
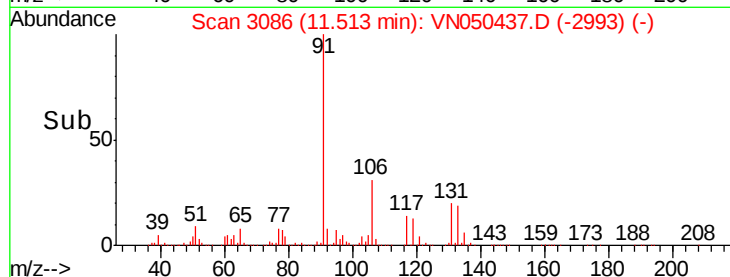
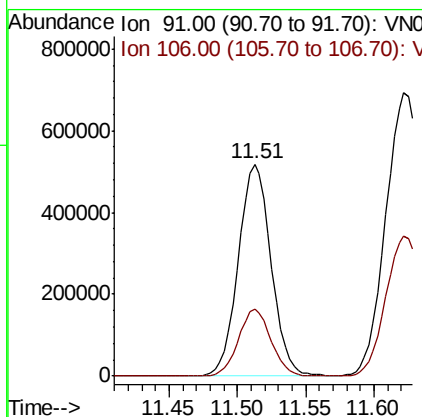
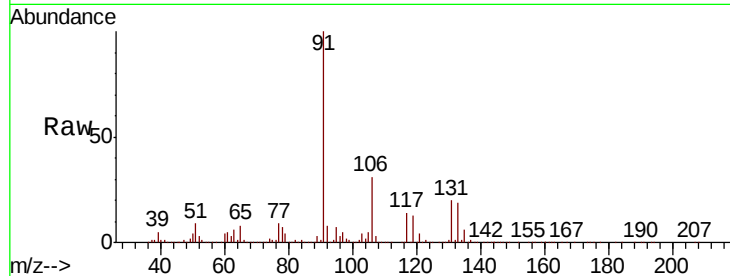




#67
Ethyl Benzene
Concen: 20.44 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

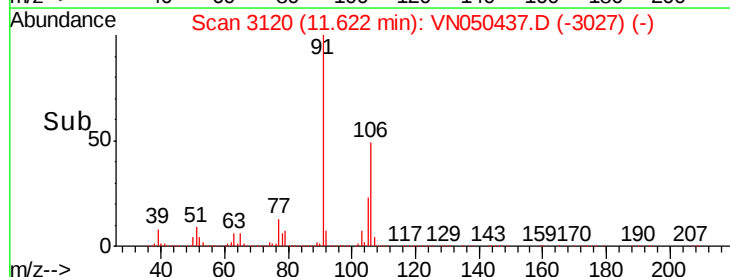
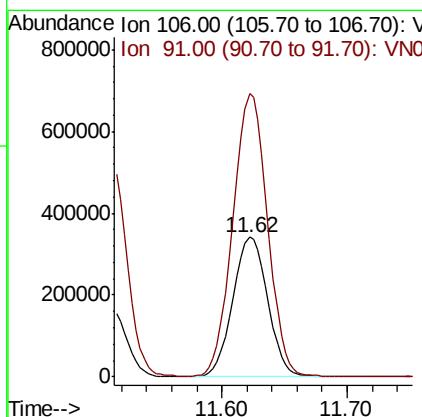
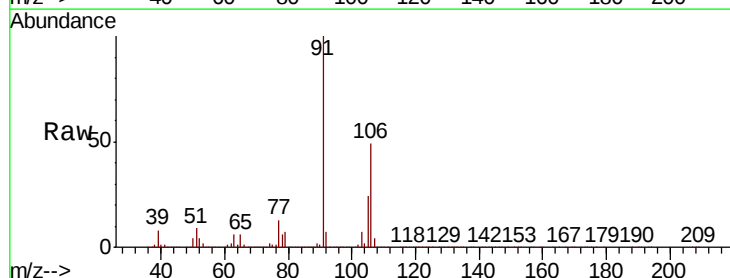
Instrument :
MSVOA_N
ClientSampled :
VN0807WBSD01

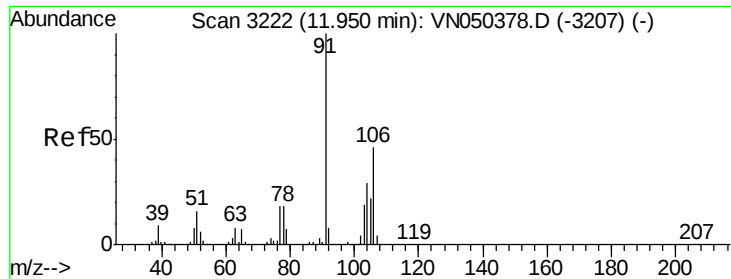
Tot Ion: 91 Resp: 860559
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 41.01 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 106 Resp: 657374
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.2

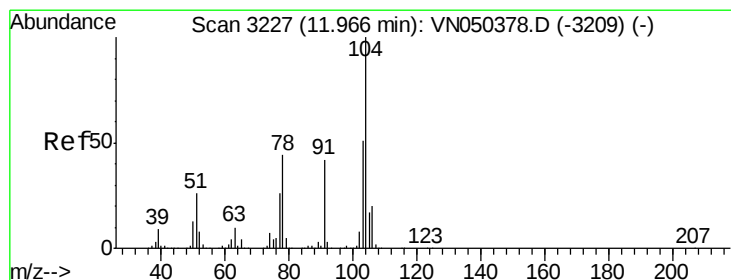
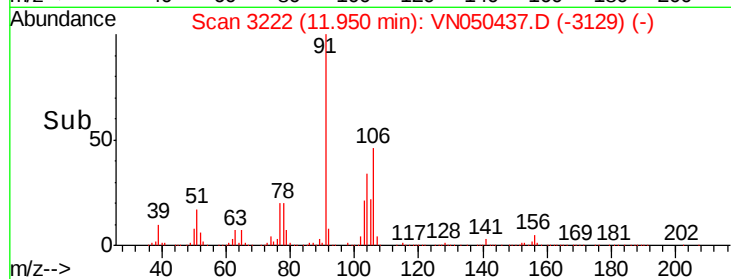
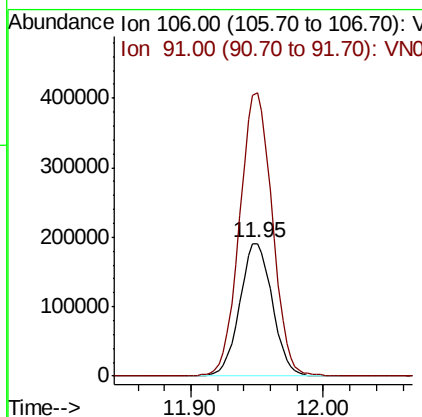
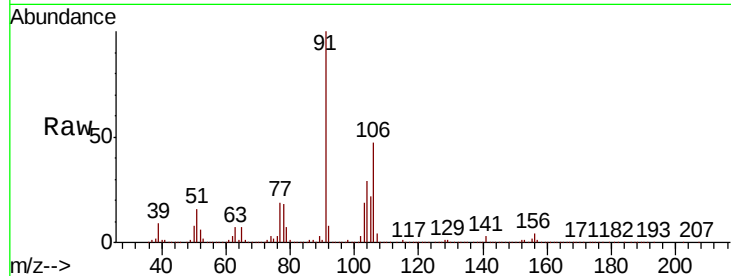




#69
o-Xylene
Concen: 20.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

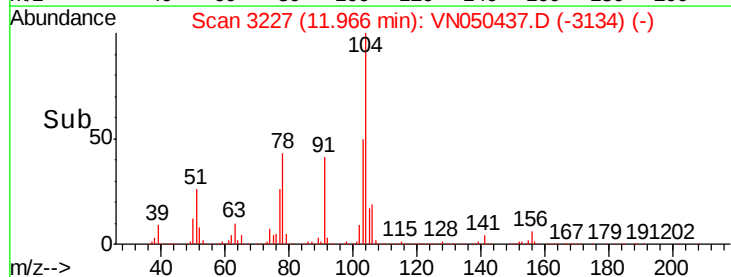
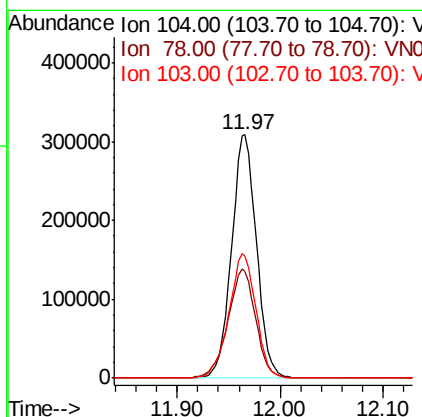
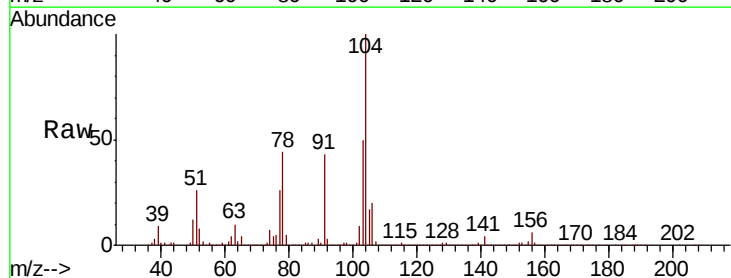
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

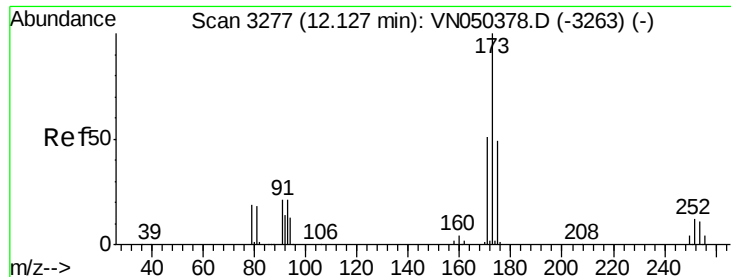
Tot Ion:106 Resp: 323523
Ion Ratio Lower Upper
106 100
91 213.8 107.7 323.1



#70
Styrene
Concen: 20.63 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion:104 Resp: 517939
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 55.0 45.0 67.6





#71

Bromoform

Concen: 18.77 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

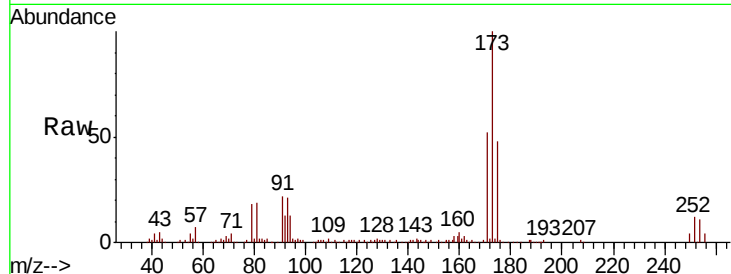
Tot Ion:173 Resp: 130048

Ion Ratio Lower Upper

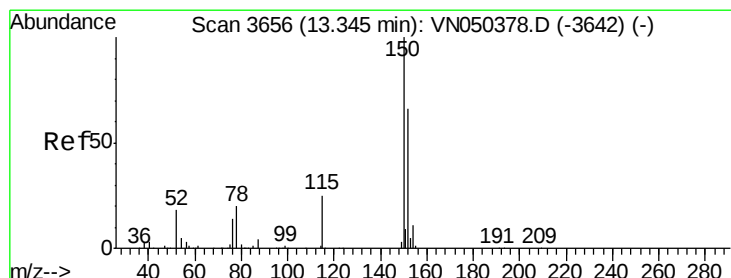
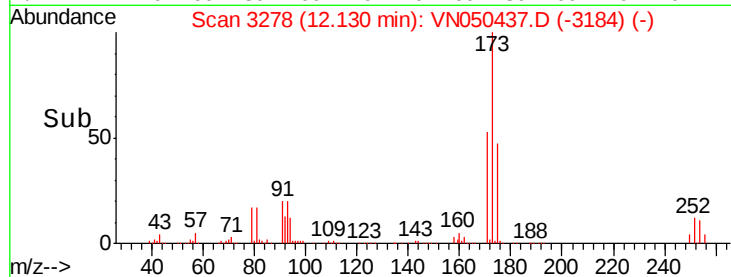
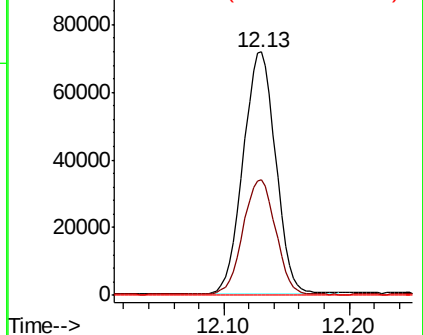
173 100

175 48.2 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

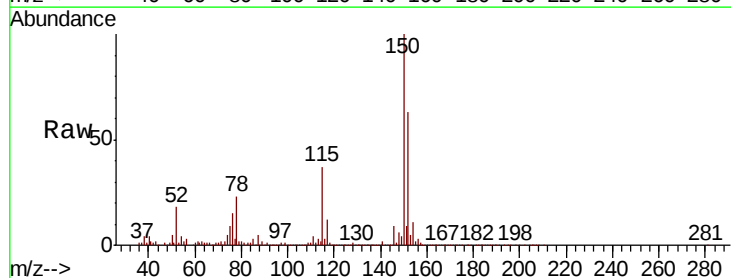
Tgt Ion:152 Resp: 519718

Ion Ratio Lower Upper

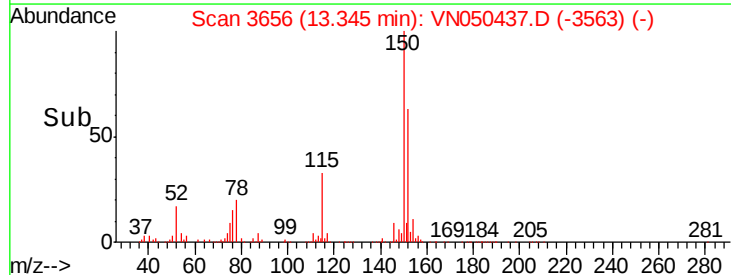
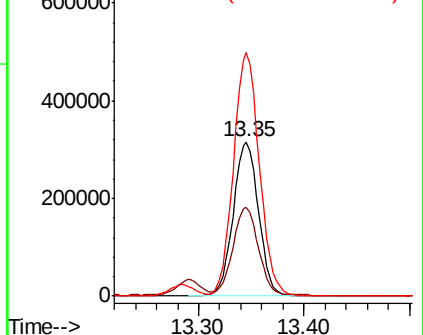
152 100

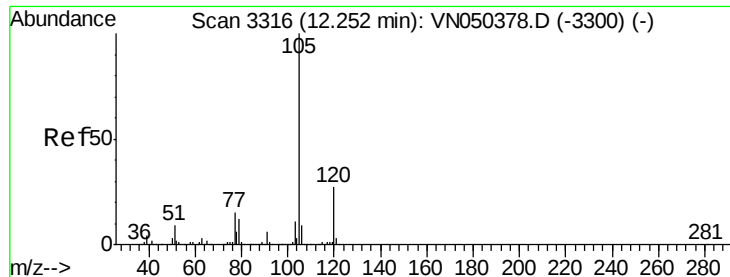
115 57.3 27.8 83.3

150 162.3 0.0 348.6



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





#73

Isopropylbenzene

Concen: 21.67 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

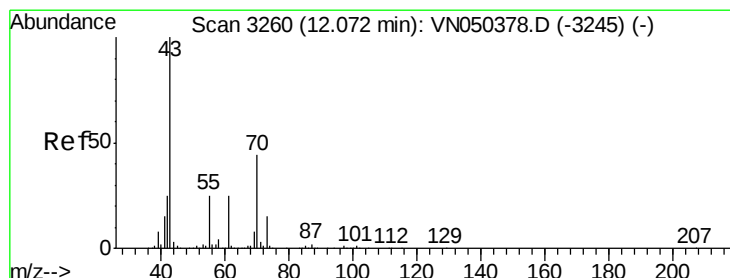
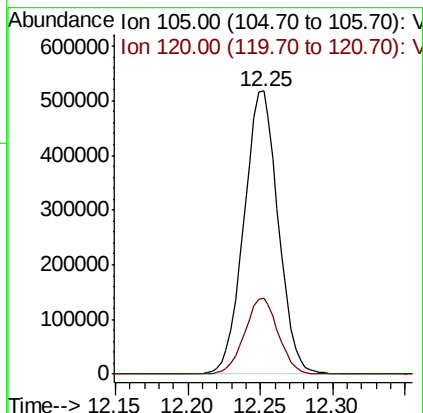
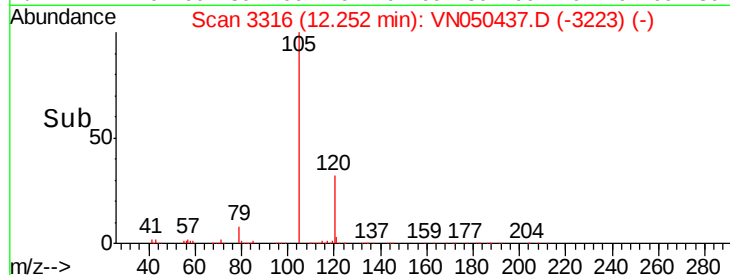
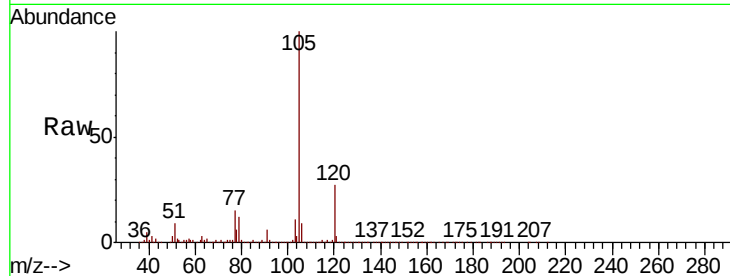
VN0807WBSD01

Tot Ion:105 Resp: 845294

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 20.87 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion: 43 Resp: 263913

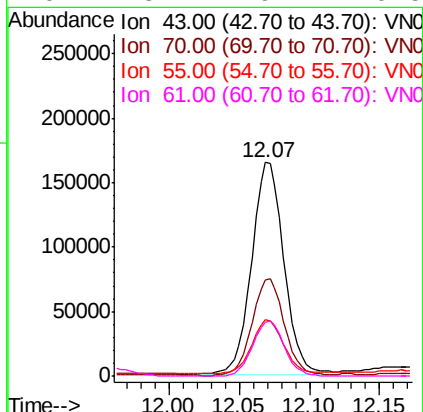
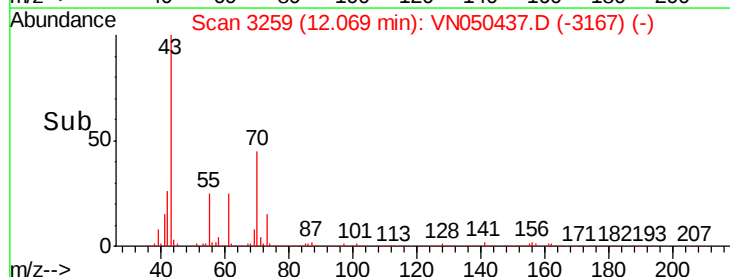
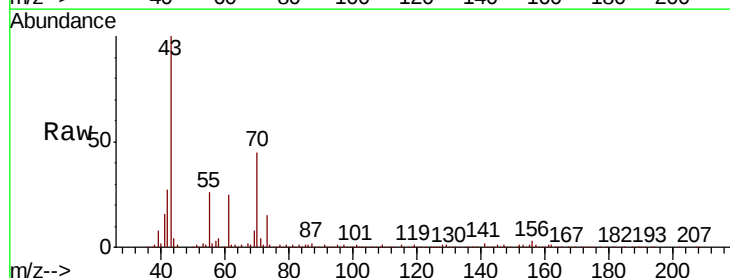
Ion Ratio Lower Upper

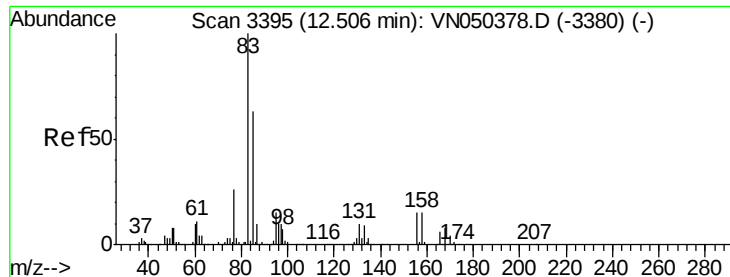
43 100

70 45.2 34.4 51.6

55 25.3 20.8 31.2

61 25.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

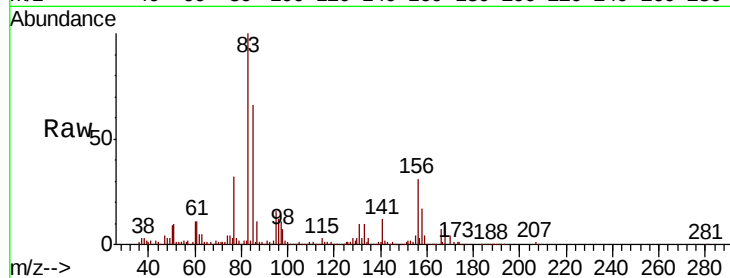
Tot Ion: 83 Resp: 211694

Ion Ratio Lower Upper

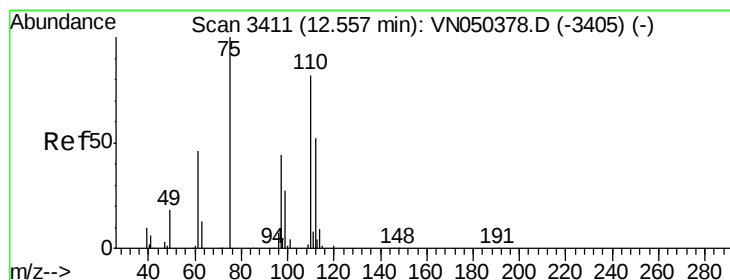
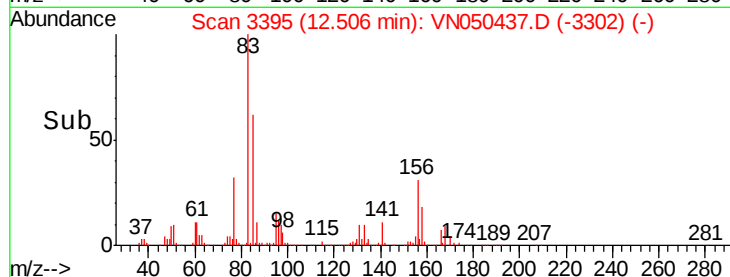
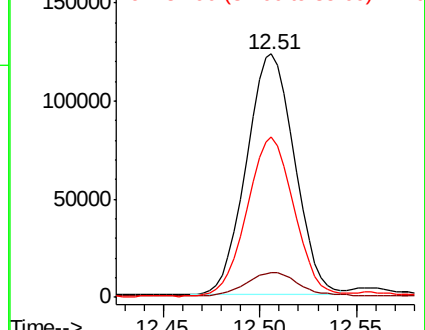
83 100

131 10.6 5.1 15.3

85 64.9 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 27.66 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050437.D

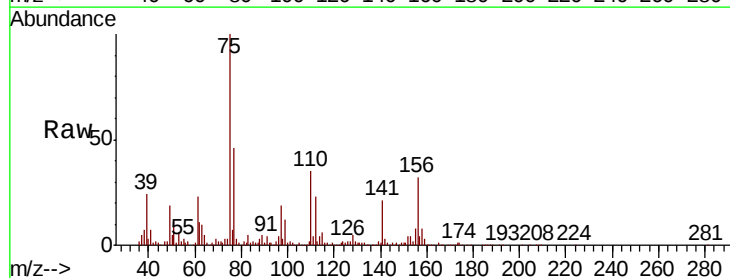
Acq: 7 Aug 2018 17:30

Tgt Ion: 75 Resp: 260174

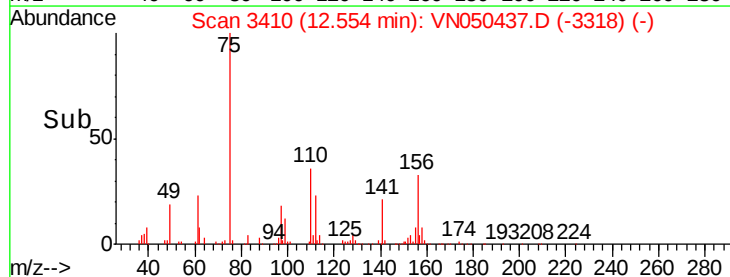
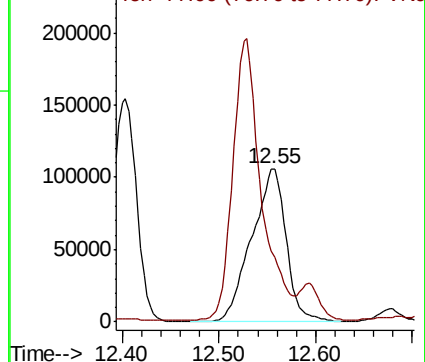
Ion Ratio Lower Upper

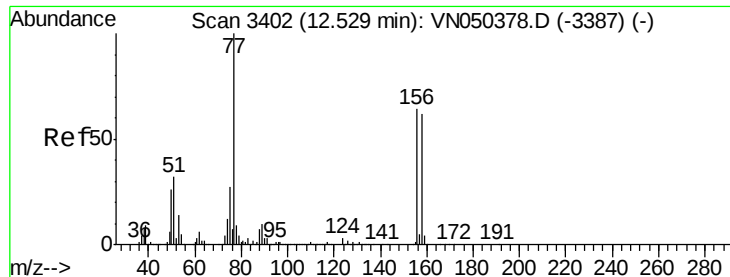
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 37.27 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0807WBSD01

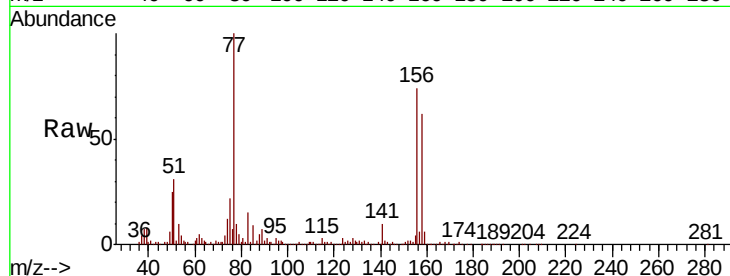
Tot Ion:156 Resp: 389551

Ion Ratio Lower Upper

156 100

77 102.4 91.7 275.1

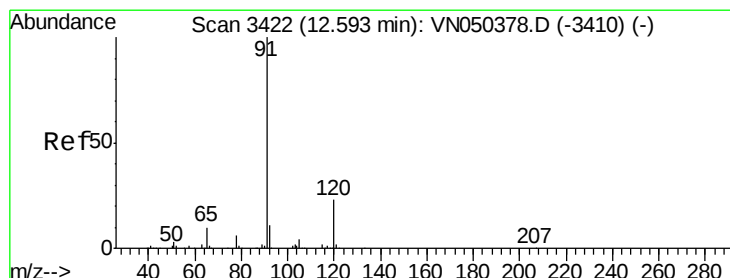
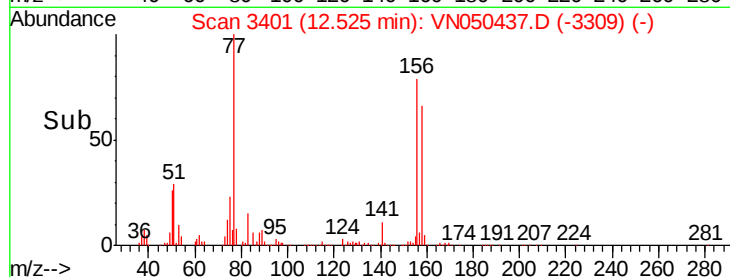
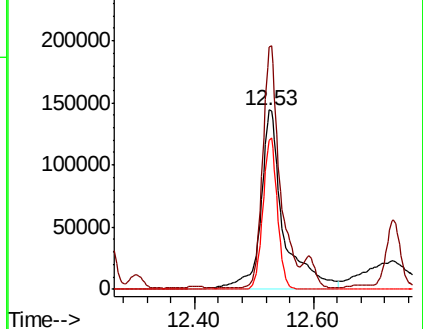
158 53.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.91 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050437.D

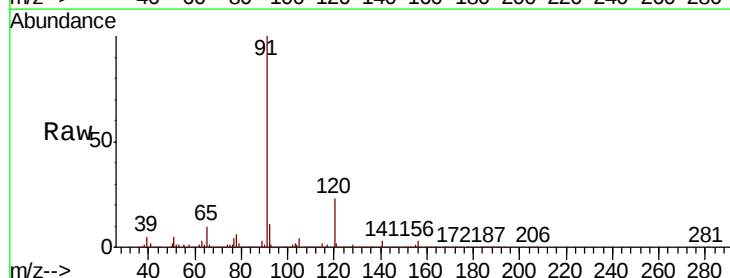
Acq: 7 Aug 2018 17:30

Tgt Ion: 91 Resp: 923588

Ion Ratio Lower Upper

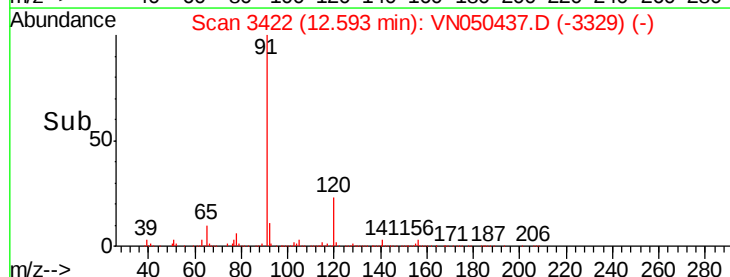
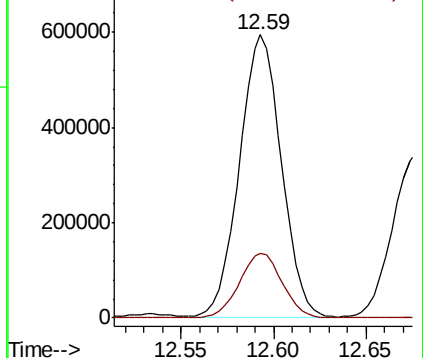
91 100

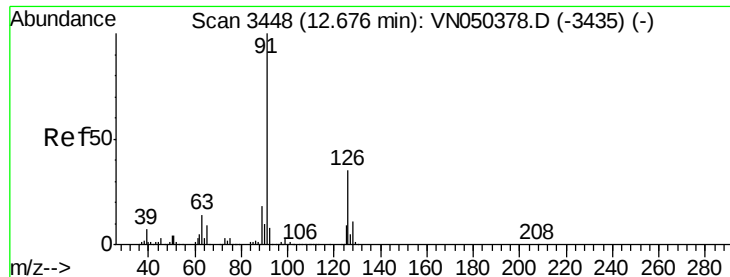
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.81 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

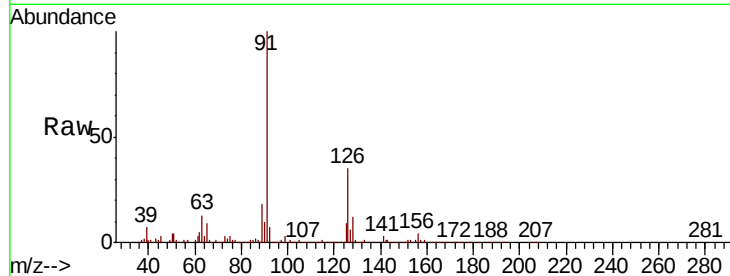
VN0807WBSD01

Tot Ion: 91 Resp: 567513

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



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

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

600000

500000

400000

300000

200000

100000

0

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

15.75

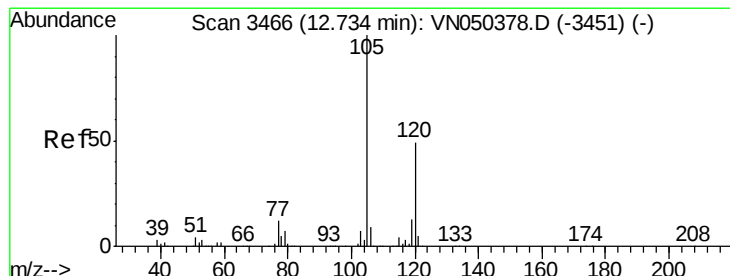
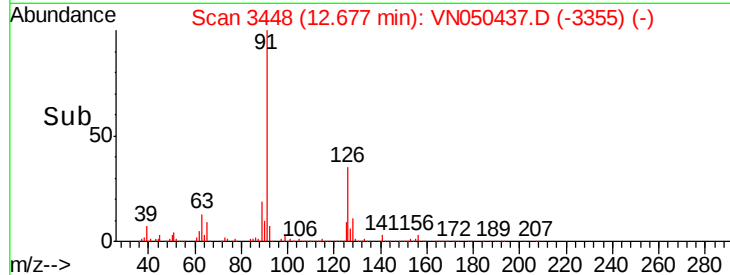
15.80

15.85

15.90

15.95

16.00



#80

1,3,5-Trimethylbenzene

Concen: 22.11 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050437.D

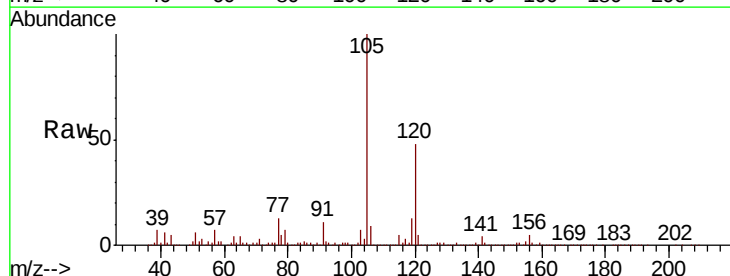
Acq: 7 Aug 2018 17:30

Tgt Ion:105 Resp: 700211

Ion Ratio Lower Upper

105 100

120 47.6 24.4 73.2



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

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

500000

400000

300000

200000

100000

0

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

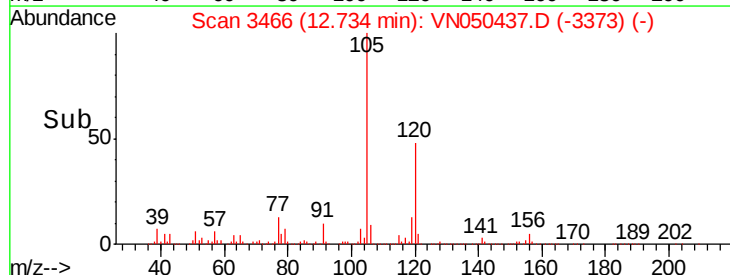
13.80

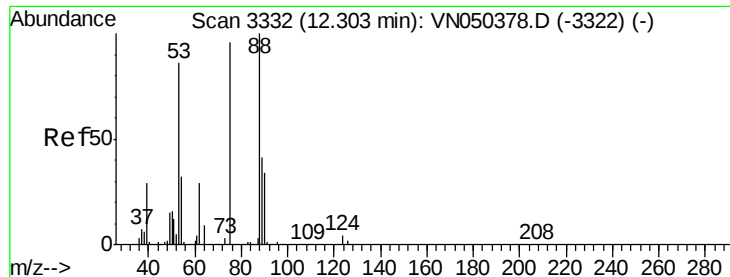
13.85

13.90

13.95

14.00





#81

trans-1,4-Dichloro-2-butene

Concen: 19.88 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

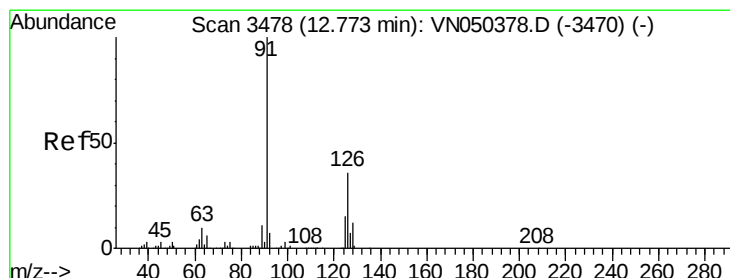
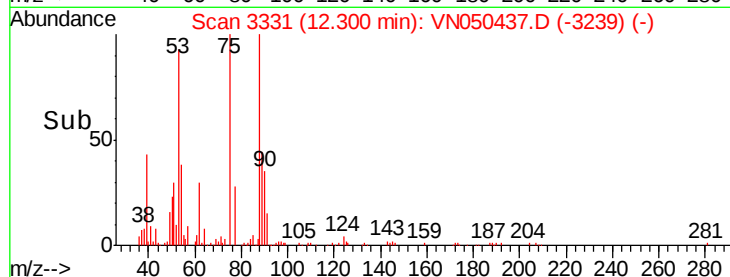
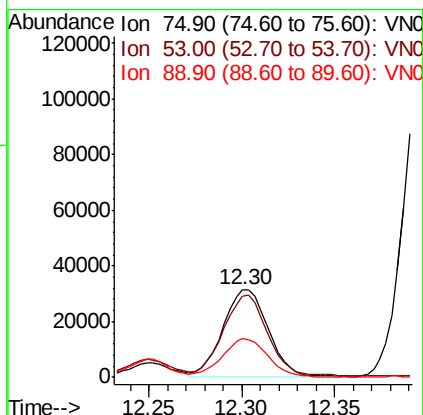
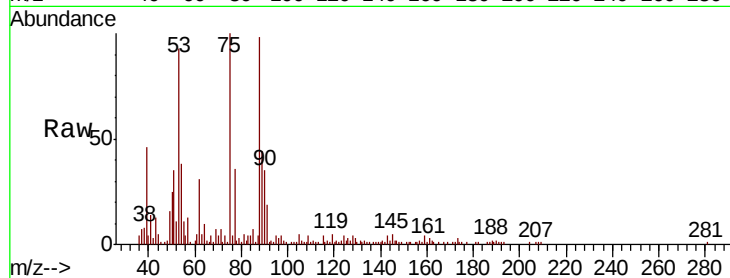
Tot Ion: 75 Resp: 53226

Ion Ratio Lower Upper

75 100

53 89.8 73.5 110.3

89 45.3 36.0 54.0



#82

4-Chlorotoluene

Concen: 21.05 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050437.D

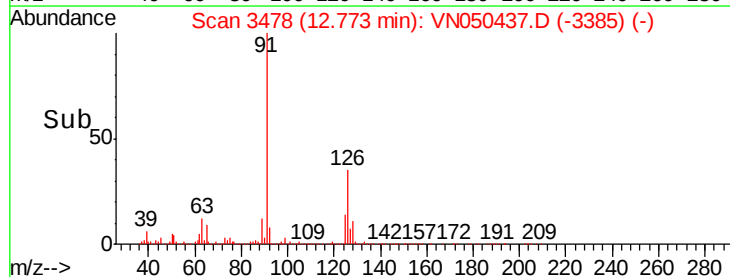
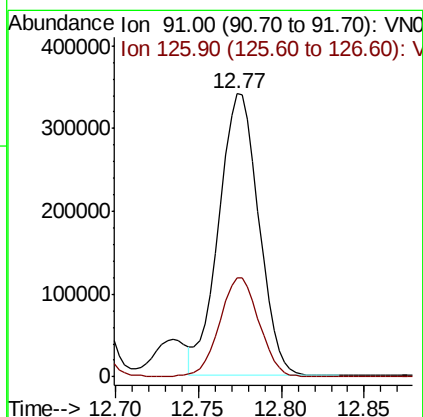
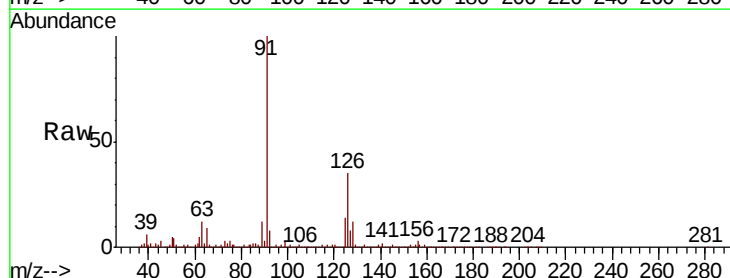
Acq: 7 Aug 2018 17:30

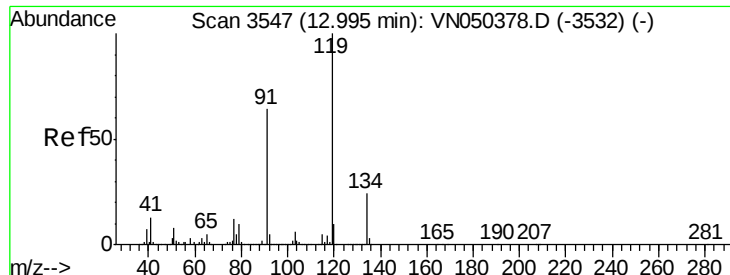
Tgt Ion: 91 Resp: 572515

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0

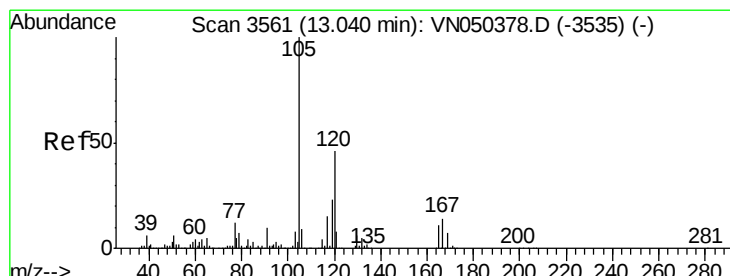
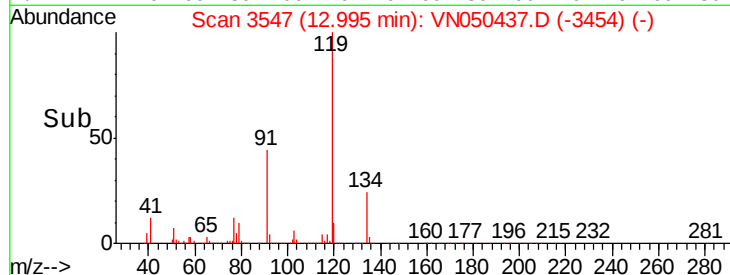
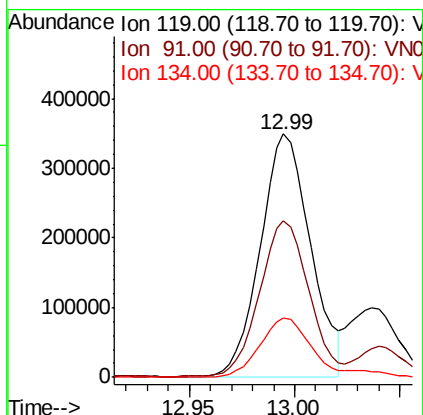
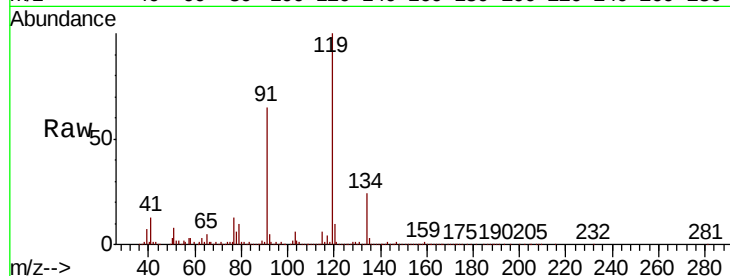




#83
 tert-Butylbenzene
 Concen: 20.83 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

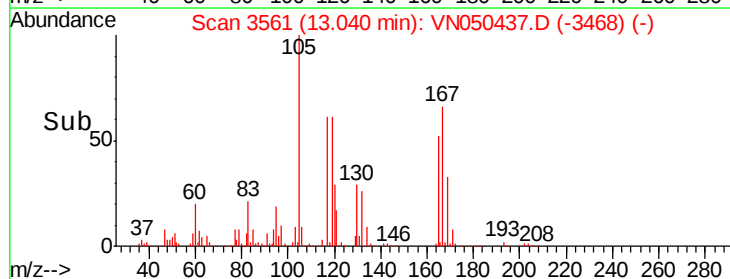
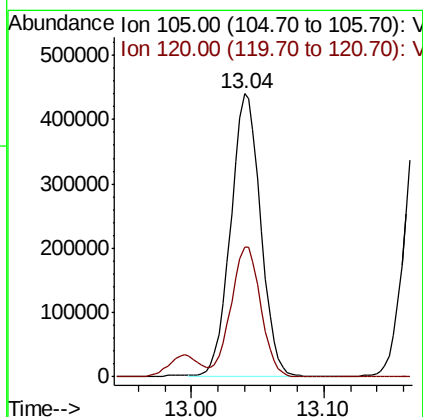
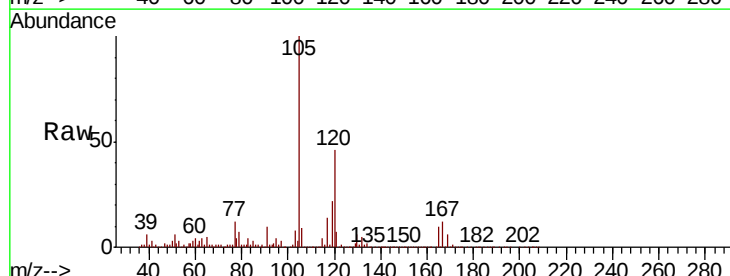
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

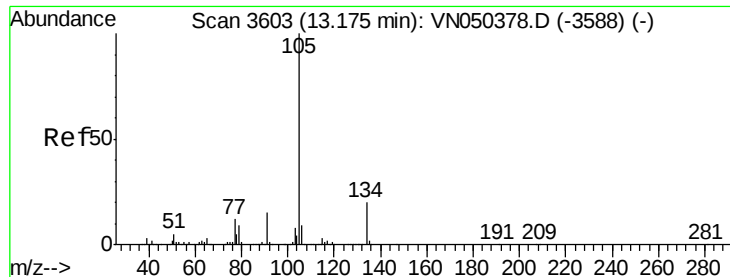
Tot Ion:119 Resp: 575563
 Ion Ratio Lower Upper
 119 100
 91 63.1 32.1 96.3
 134 26.4 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.34 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion:105 Resp: 684511
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.08 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

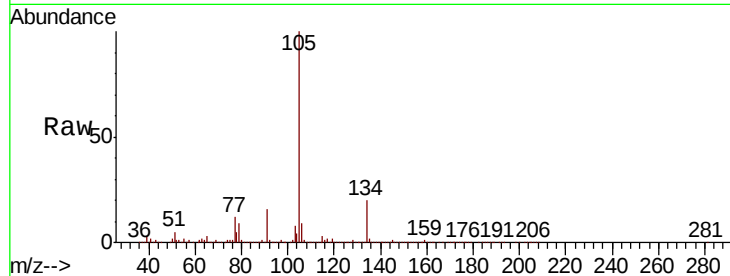
VN0807WBSD01

Tot Ion:105 Resp: 739345

Ion Ratio Lower Upper

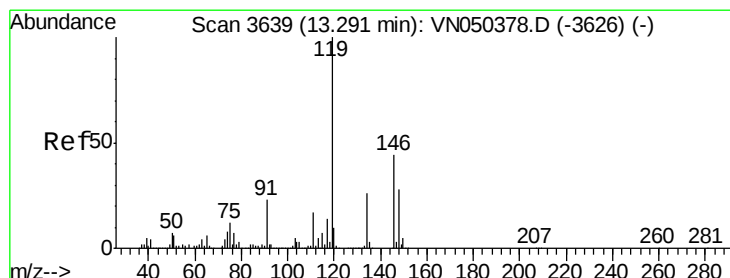
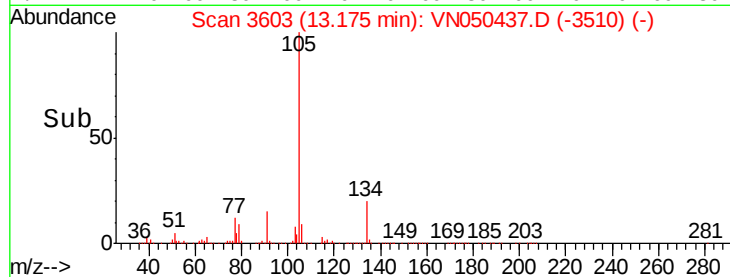
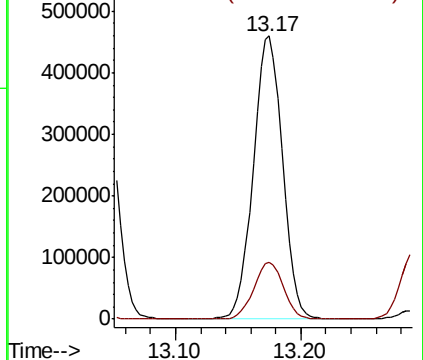
105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.51 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

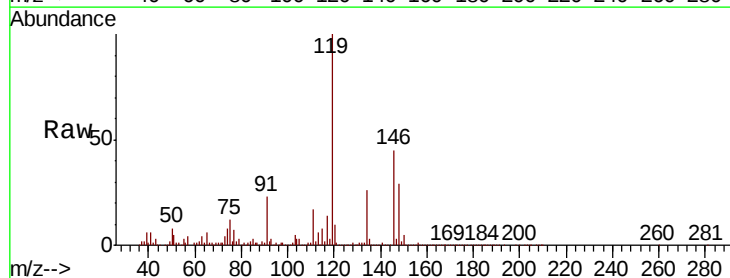
Tgt Ion:119 Resp: 647349

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

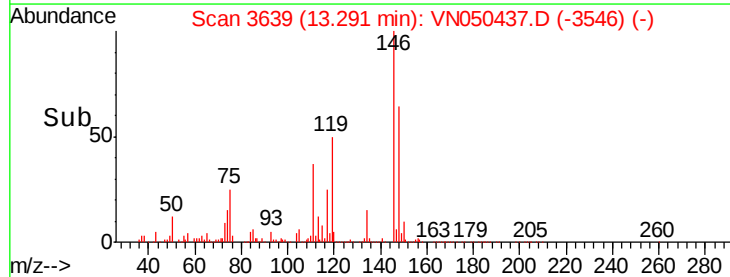
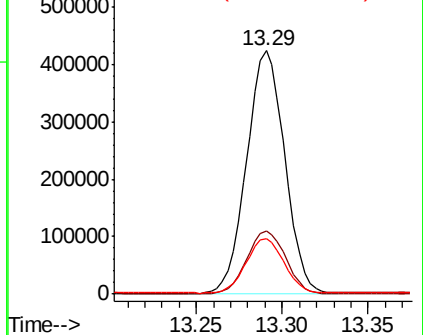
91 22.4 11.4 34.2

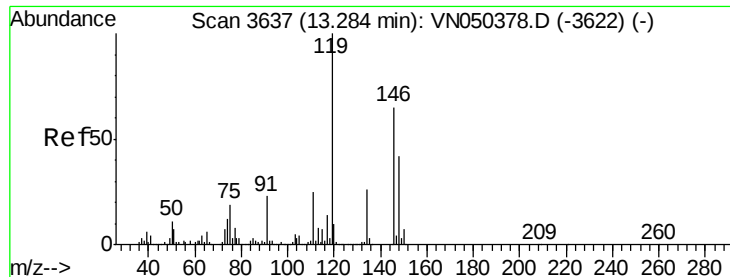


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.89 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

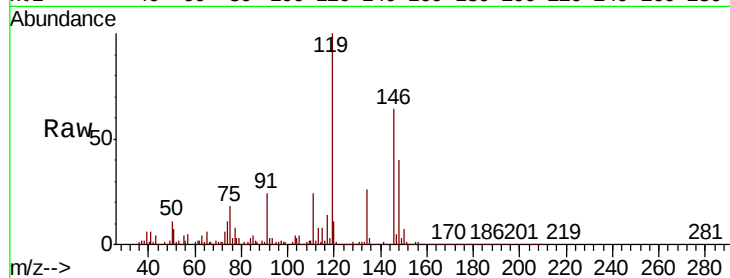
Tot Ion:146 Resp: 370187

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.4

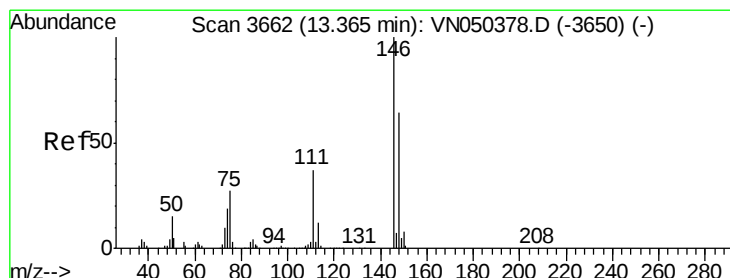
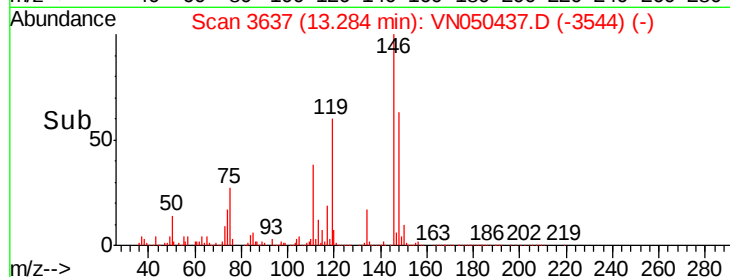
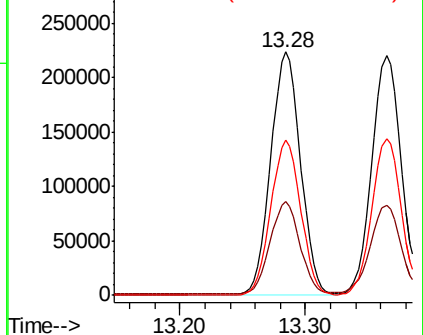
148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.34 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

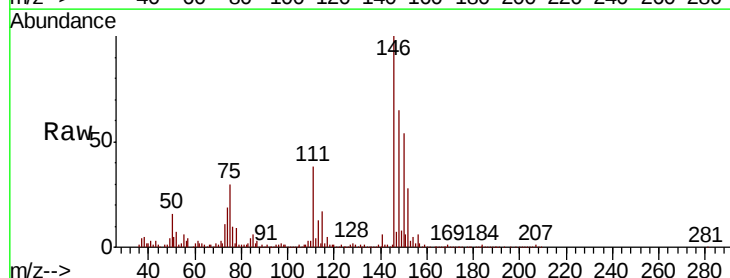
Tgt Ion:146 Resp: 359474

Ion Ratio Lower Upper

146 100

111 38.0 18.3 54.9

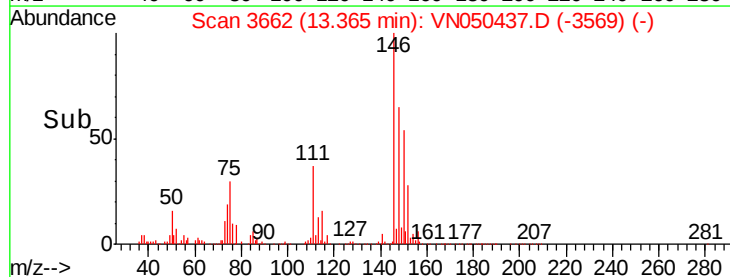
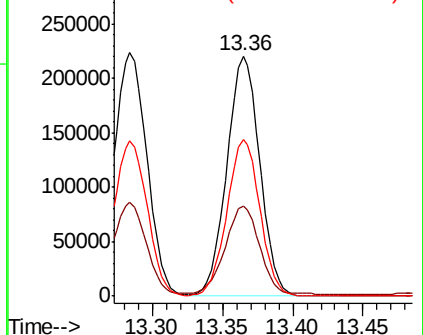
148 65.4 31.9 95.9

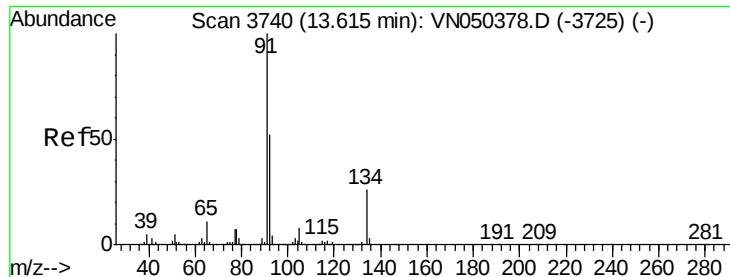


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.85 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

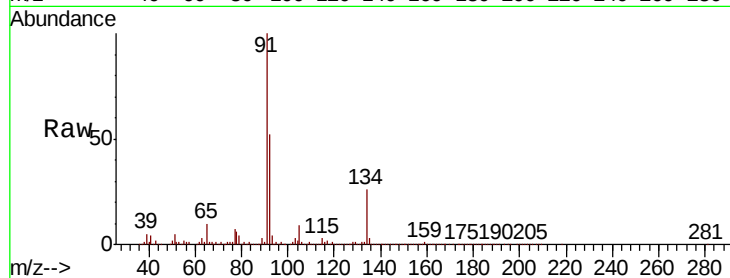
Tot Ion: 91 Resp: 533281

Ion Ratio Lower Upper

91 100

92 51.7 25.8 77.4

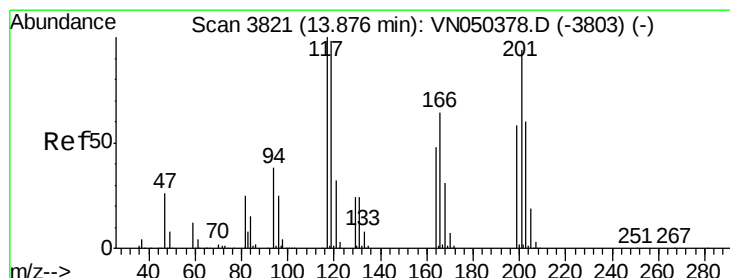
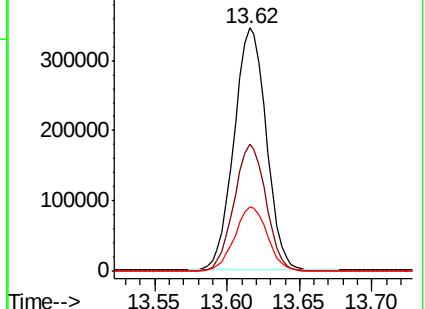
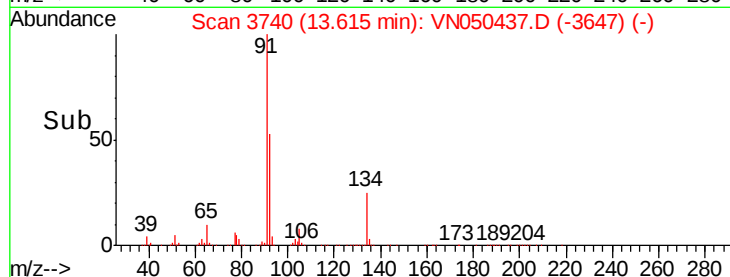
134 26.7 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050437.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050437.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050437.D (-3647) (-)



#90

Hexachloroethane

Concen: 18.21 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050437.D

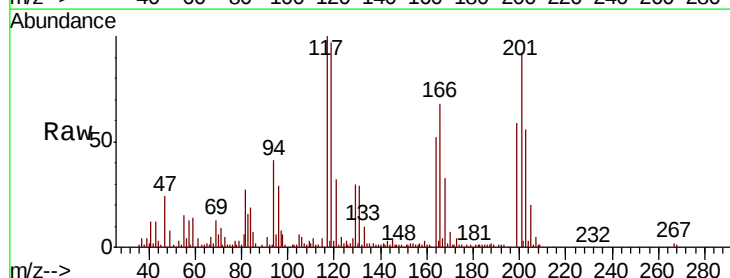
Acq: 7 Aug 2018 17:30

Tgt Ion: 117 Resp: 102193

Ion Ratio Lower Upper

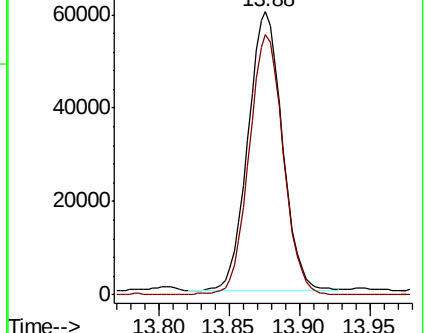
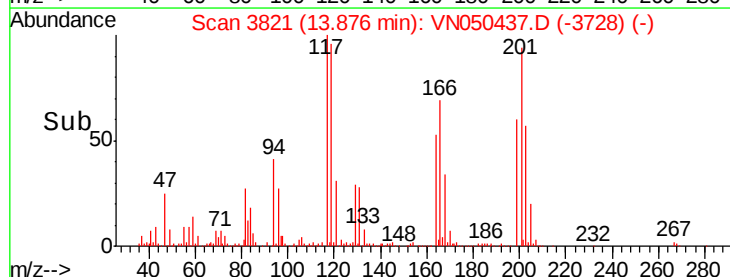
117 100

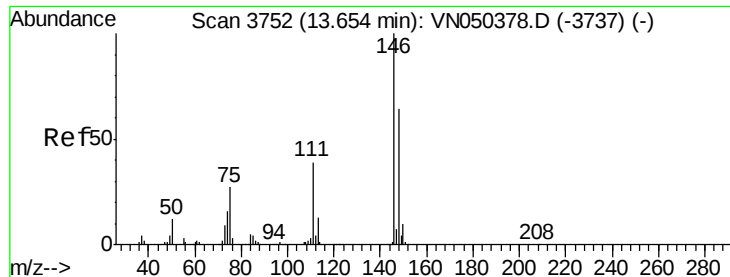
201 91.9 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050437.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050437.D (-3728) (-)





#91

1,2-Dichlorobenzene

Concen: 19.55 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

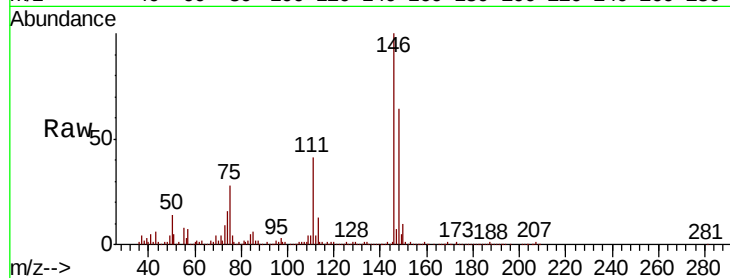
Tot Ion:146 Resp: 364842

Ion Ratio Lower Upper

146 100

111 41.5 19.6 58.7

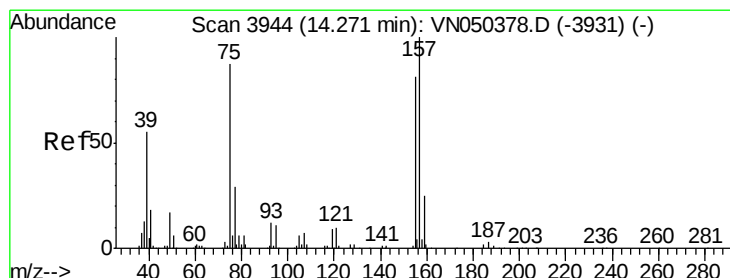
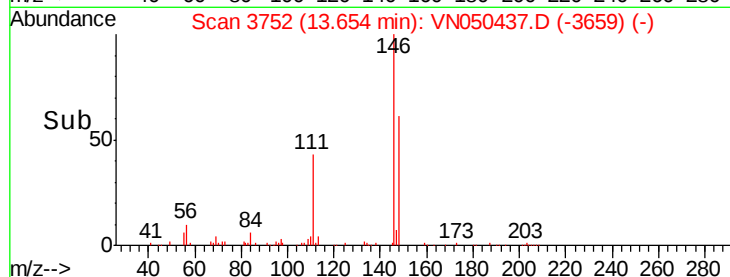
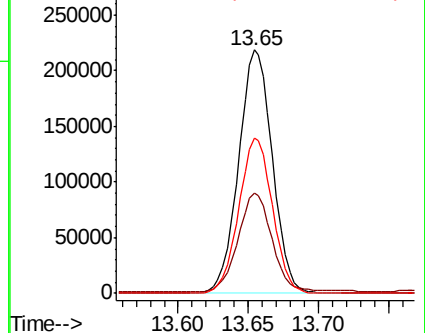
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.34 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

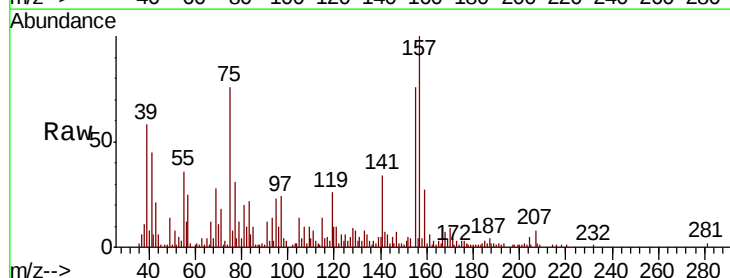
Tgt Ion: 75 Resp: 35059

Ion Ratio Lower Upper

75 100

155 98.7 44.8 134.4

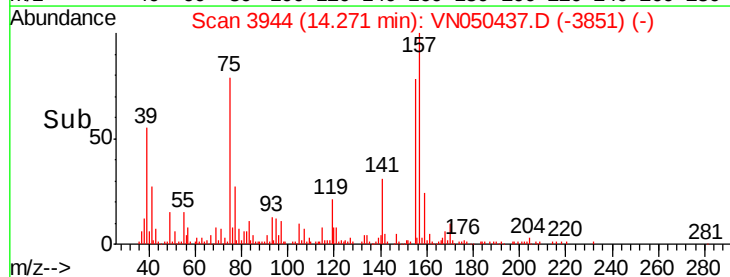
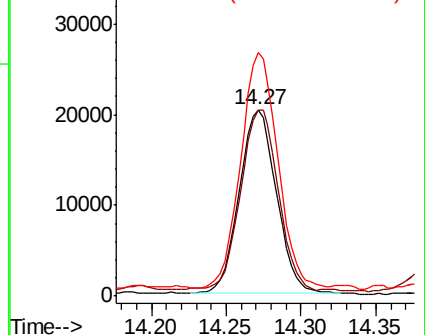
157 127.4 57.2 171.6

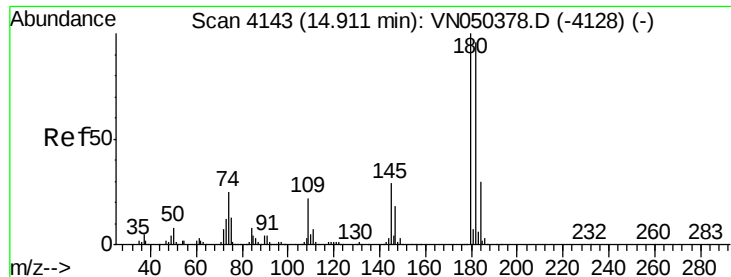


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

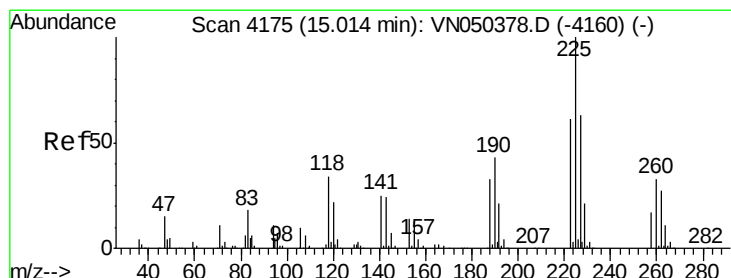
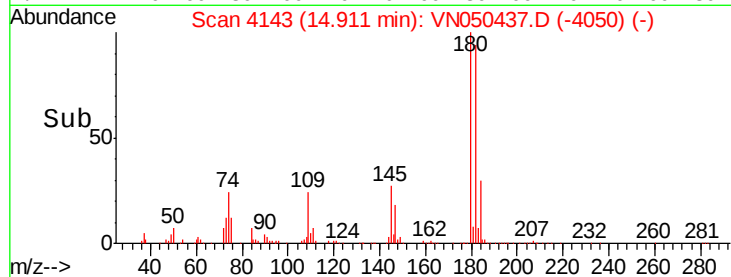
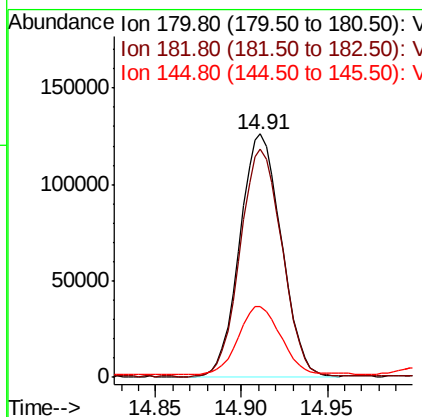
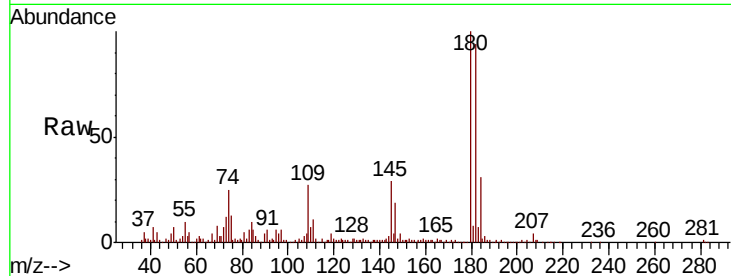




#93
 1,2,4-Trichlorobenzene
 Concen: 22.21 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

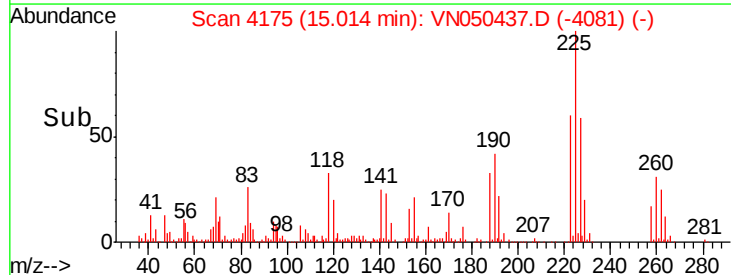
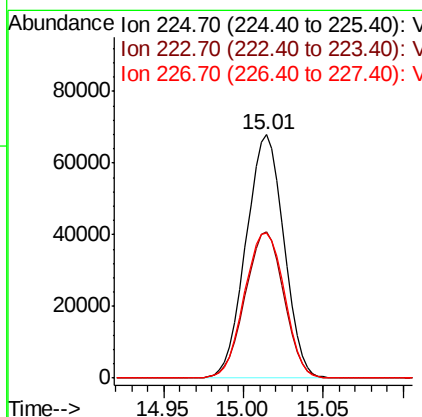
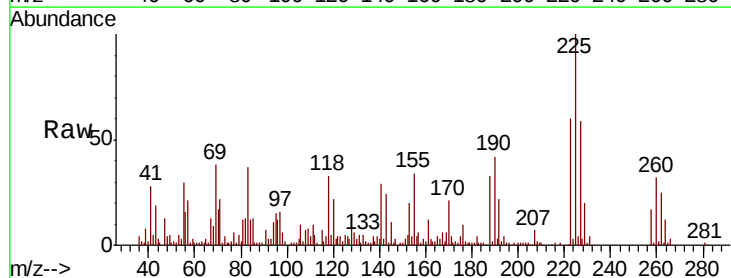
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

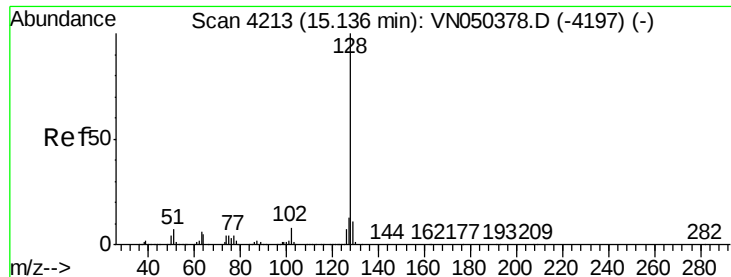
Tot Ion:180 Resp: 211114
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.7 140.1
 145 28.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 20.31 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion:225 Resp: 110514
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.4 94.2
 227 63.2 32.1 96.5





#95

Naphthalene

Concen: 25.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

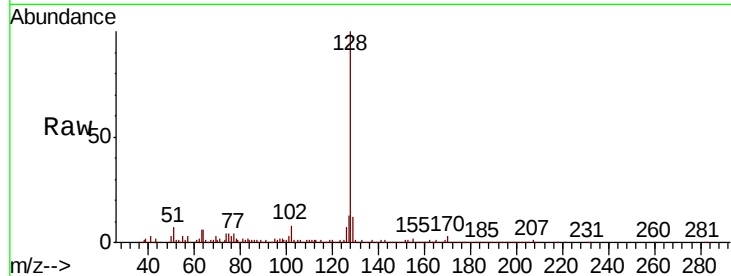
Tot Ion:128 Resp: 589756

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

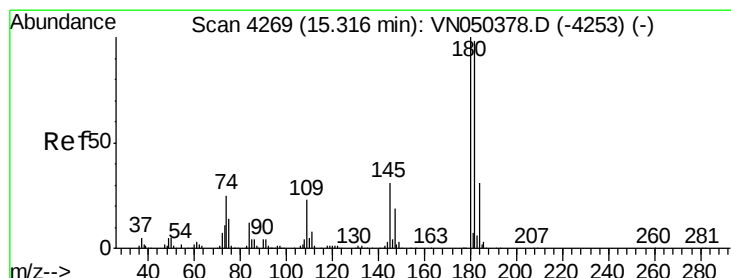
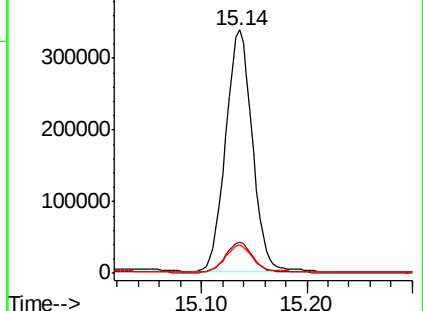
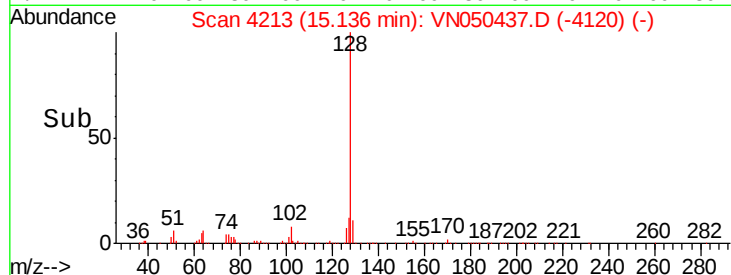
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.81 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

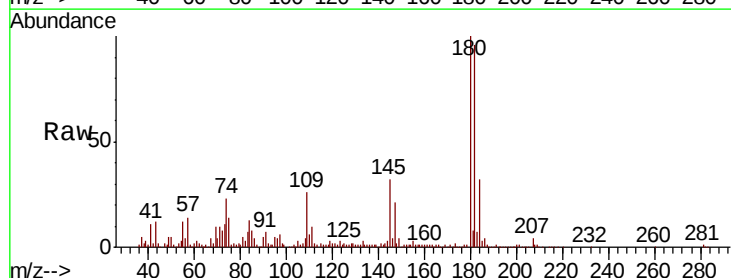
Tgt Ion:180 Resp: 209581

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.4

145 33.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

