

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050384.D
 Acq On : 6 Aug 2018 15:26
 Operator : MD\SY
 Sample : VN0806WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Quant Time: Aug 07 05:47:12 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	687723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1013441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	932616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	482721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452904	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	398218	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.09	98	1515118	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	502920	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149799	19.62	ug/l	99
3) Chloromethane	2.06	50	193367	20.57	ug/l	98
4) Vinyl Chloride	2.18	62	198830	20.12	ug/l	98
5) Bromomethane	2.56	94	96319	20.21	ug/l	99
6) Chloroethane	2.70	64	119895	19.69	ug/l	99
7) Trichlorofluoromethane	3.01	101	245374	19.23	ug/l	99
8) Diethyl Ether	3.41	74	94030	20.09	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	152382	19.32	ug/l	100
10) Methyl Iodide	3.95	142	84510	24.32	ug/l	97
11) Tert butyl alcohol	4.80	59	67260	91.12	ug/l	100
12) 1,1-Dichloroethene	3.73	96	143238	19.27	ug/l	97
13) Acrolein	3.61	56	95377	108.37	ug/l	99
14) Allyl chloride	4.32	41	231570	19.39	ug/l	98
15) Acrylonitrile	5.00	53	298790	96.64	ug/l	99
16) Acetone	3.82	43	270335	98.43	ug/l	97
17) Carbon Disulfide	4.05	76	443161	18.33	ug/l	100
18) Methyl Acetate	4.33	43	140933	19.68	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	418846	19.85	ug/l	100
20) Methylene Chloride	4.55	84	175011	19.95	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	156227	19.42	ug/l	98
22) Diisopropyl ether	5.96	45	491366	20.14	ug/l	97
23) Vinyl Acetate	5.90	43	1730606	99.44	ug/l	99
24) 1,1-Dichloroethane	5.85	63	293662	19.62	ug/l	99
25) 2-Butanone	6.84	43	431483	94.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	233692	18.94	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	174291	19.54	ug/l	98
28) Bromochloromethane	7.20	49	131009	19.02	ug/l	99
29) Tetrahydrofuran	7.22	42	230502	94.58	ug/l	99
30) Chloroform	7.37	83	293876	19.64	ug/l	98
31) Cyclohexane	7.66	56	256671	19.10	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	252220	19.63	ug/l	99
36) 1,1-Dichloropropene	7.79	75	220537	19.81	ug/l	99
37) Ethyl Acetate	6.94	43	163362	20.37	ug/l	99
38) Carbon Tetrachloride	7.78	117	222047	19.12	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	232543	19.13	ug/l	100
40) Benzene	8.04	78	685889	20.04	ug/l	99
41) Methacrylonitrile	7.18	41	70373	16.50	ug/l	95
42) 1,2-Dichloroethane	8.13	62	214407	19.73	ug/l	100
43) Isopropyl Acetate	8.17	43	270316	19.53	ug/l	97
44) Trichloroethene	8.84	130	176249	19.16	ug/l	96
45) 1,2-Dichloropropane	9.12	63	174594	19.40	ug/l	98
46) Dibromomethane	9.21	93	108084	19.45	ug/l	97
47) Bromodichloromethane	9.40	83	223801	19.44	ug/l	99
48) Methyl methacrylate	9.20	41	131751	18.99	ug/l	99
49) 1,4-Dioxane	9.20	88	40932	382.74	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	993660	99.67	ug/l	100
52) Toluene	10.16	92	418569	20.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227332	19.67	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	256449	19.88	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	157704	19.64	ug/l	98
56) Ethyl methacrylate	10.43	69	199869	18.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	262680	19.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	471067	93.72	ug/l	100
59) 2-Hexanone	10.75	43	674023	96.88	ug/l	100
60) Dibromochloromethane	10.90	129	174839	19.77	ug/l	100
61) 1,2-Dibromoethane	11.01	107	155705	19.68	ug/l	99
64) Tetrachloroethene	10.63	164	171821	19.72	ug/l	99
65) Chlorobenzene	11.44	112	457003	19.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	167113	19.64	ug/l	100
67) Ethyl Benzene	11.51	91	762197	20.17	ug/l	100
68) m/p-Xylenes	11.62	106	595368	41.38	ug/l	100
69) o-Xylene	11.95	106	285262	20.58	ug/l	98
70) Styrene	11.97	104	462169	20.51	ug/l	99
71) Bromoform	12.13	173	121645	19.56	ug/l #	98
73) Isopropylbenzene	12.25	105	751011	20.73	ug/l	99
74) N-amyl acetate	12.07	43	232649	19.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	209001	19.99	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	248510	28.44	ug/l #	100
77) Bromobenzene	12.53	156	197859	20.38	ug/l	100
78) n-propylbenzene	12.59	91	858897	20.94	ug/l	100
79) 2-Chlorotoluene	12.68	91	527489	20.82	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	628987	21.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49787	20.02	ug/l	98
82) 4-Chlorotoluene	12.78	91	523444	20.72	ug/l	99
83) tert-Butylbenzene	12.99	119	532519	20.75	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	636326	21.36	ug/l	100
85) sec-Butylbenzene	13.17	105	707499	20.69	ug/l	100
86) p-Isopropyltoluene	13.29	119	609194	20.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341694	19.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334671	19.38	ug/l	98
89) n-Butylbenzene	13.62	91	480032	19.24	ug/l	100
90) Hexachloroethane	13.88	117	104172	19.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	338559	19.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32693	18.42	ug/l	98

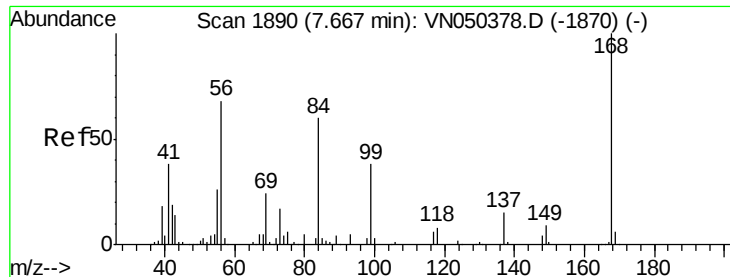
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162203	18.37	ug/l	96
94) Hexachlorobutadiene	15.01	225	101155	19.99	ug/l	98
95) Naphthalene	15.14	128	368961	18.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	161209	18.06	ug/l	99

(#) = 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: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

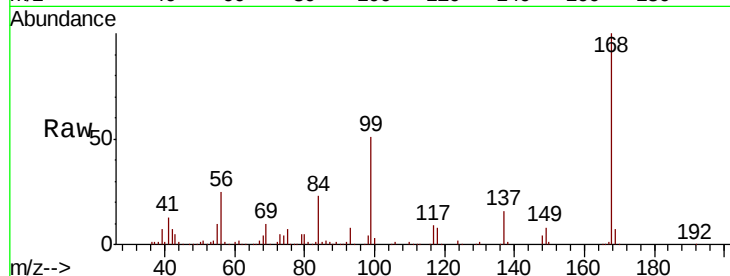
VN0806WBSD01

Tot Ion:168 Resp: 687723

Ion Ratio Lower Upper

168 100

99 50.7 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

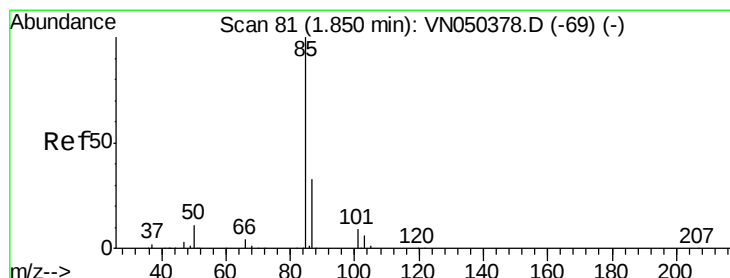
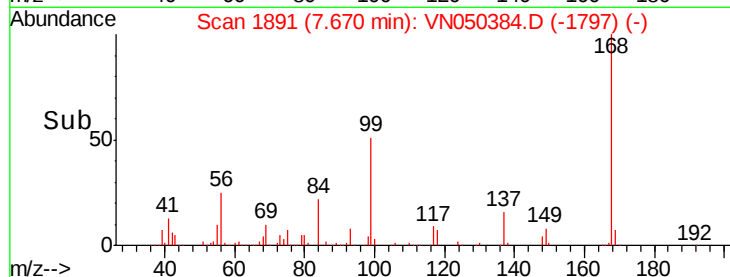
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.62 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050384.D

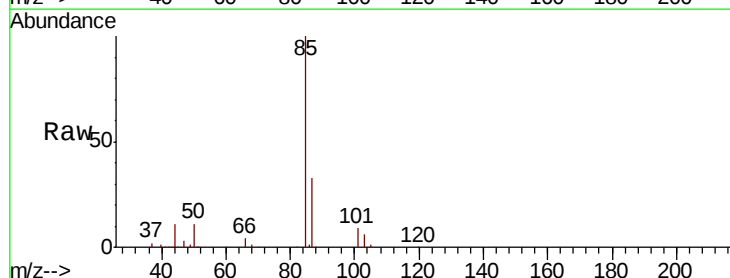
Acq: 6 Aug 2018 15:26

Tgt Ion: 85 Resp: 149799

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

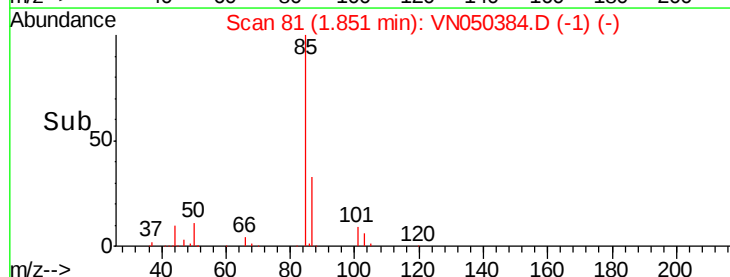
40000

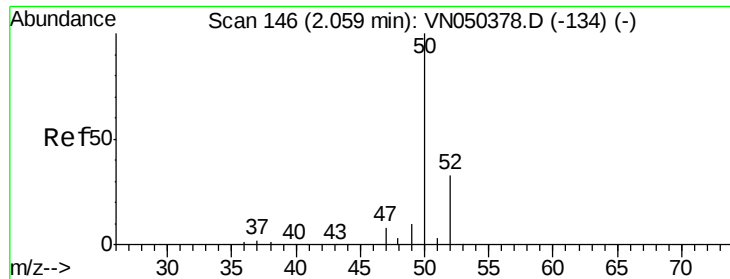
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.57 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

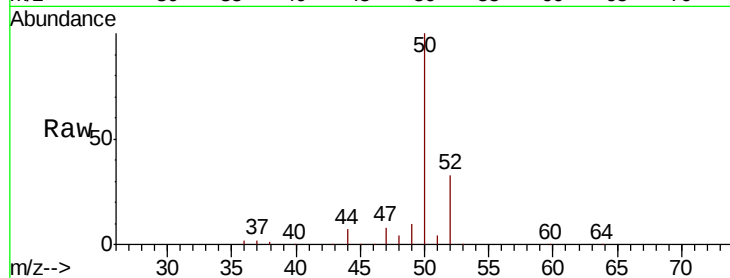
VN0806WBSD01

Tot Ion: 50 Resp: 193367

Ion Ratio Lower Upper

50 100

52 33.3 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

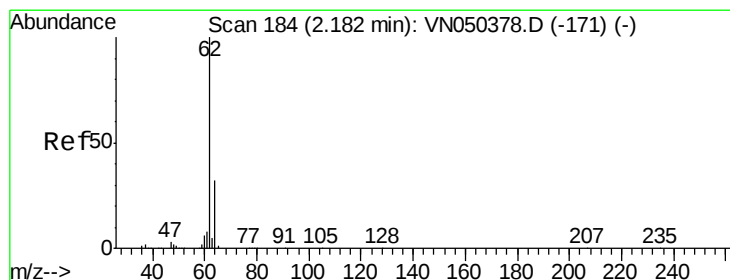
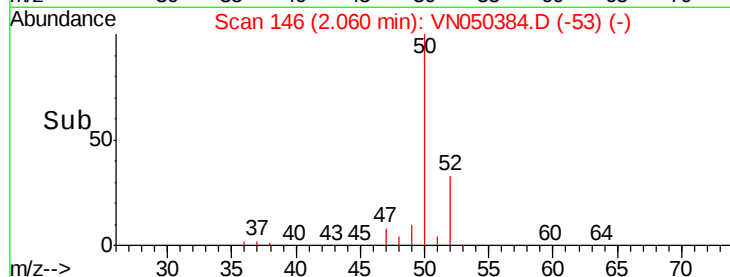
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.12 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050384.D

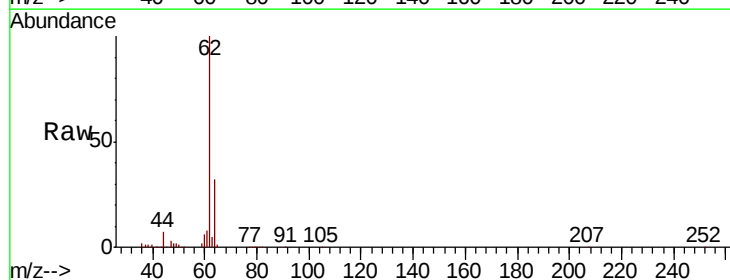
Acq: 6 Aug 2018 15:26

Tgt Ion: 62 Resp: 198830

Ion Ratio Lower Upper

62 100

64 31.9 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

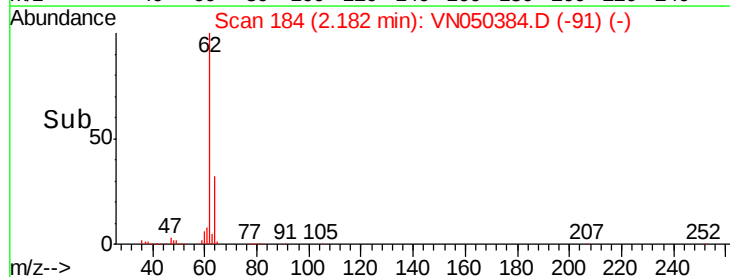
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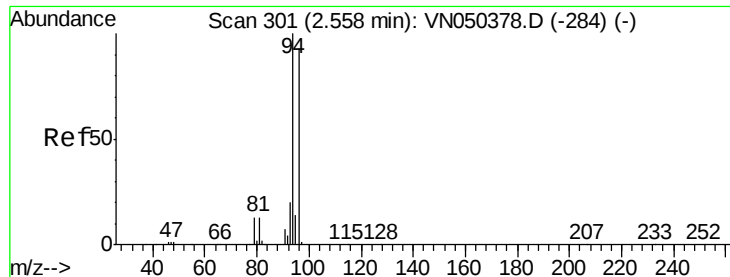
100000

50000

0

Time-->





#5

Bromomethane

Concen: 20.21 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

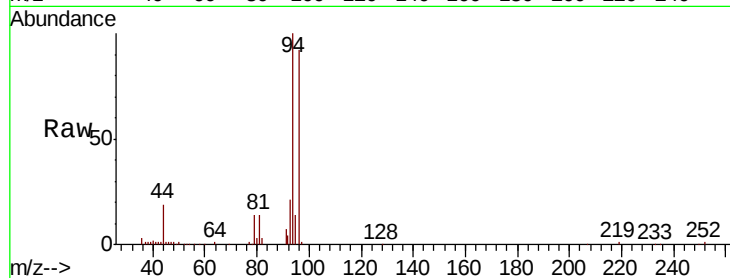
VN0806WBSD01

Tot Ion: 94 Resp: 96319

Ion Ratio Lower Upper

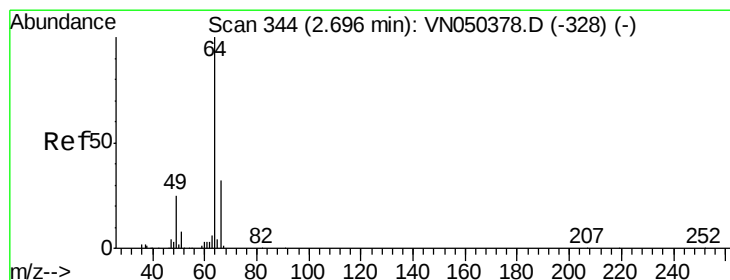
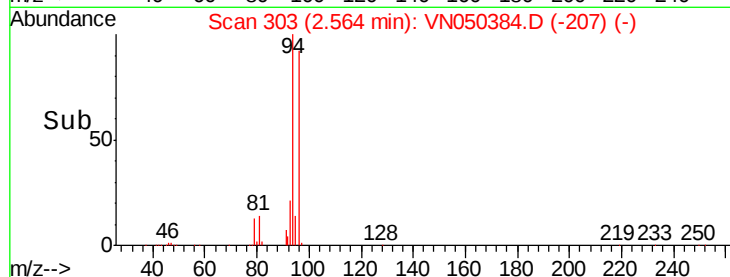
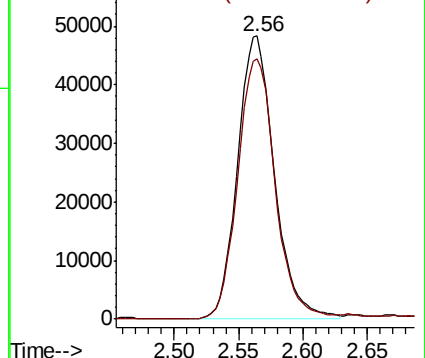
94 100

96 92.2 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: 19.69 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050384.D

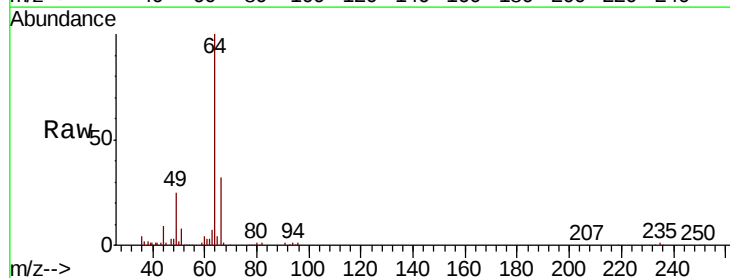
Acq: 6 Aug 2018 15:26

Tgt Ion: 64 Resp: 119895

Ion Ratio Lower Upper

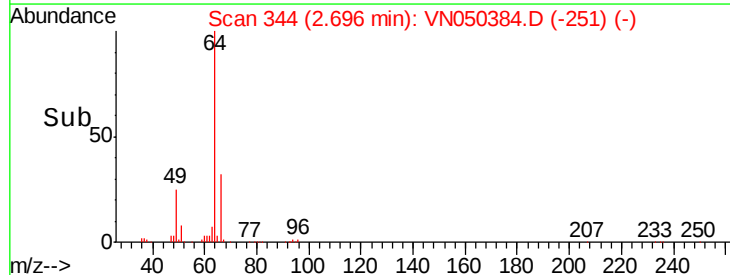
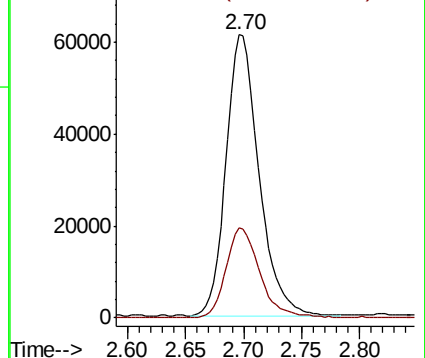
64 100

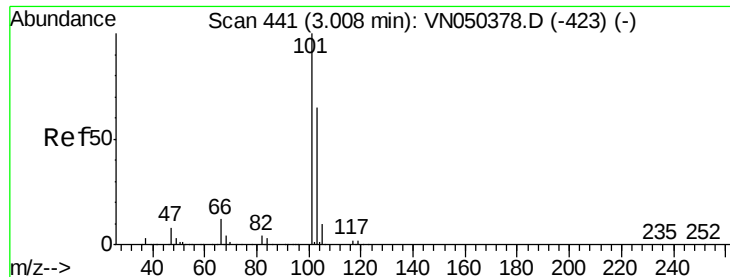
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.23 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

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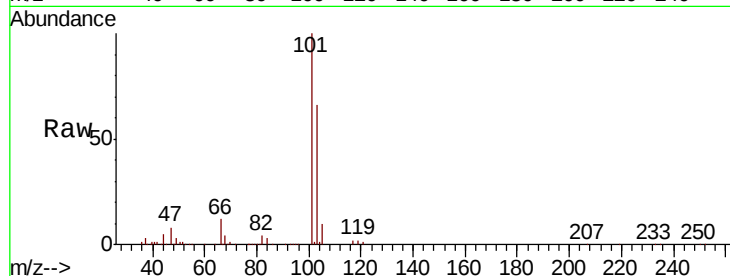
VN0806WBSD01

Tot Ion:101 Resp: 245374

Ion Ratio Lower Upper

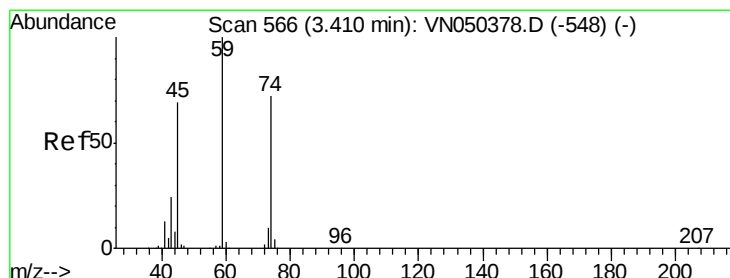
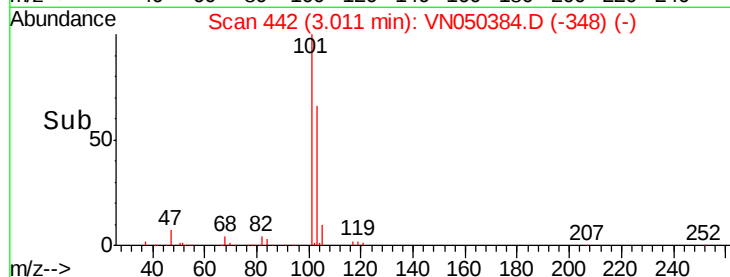
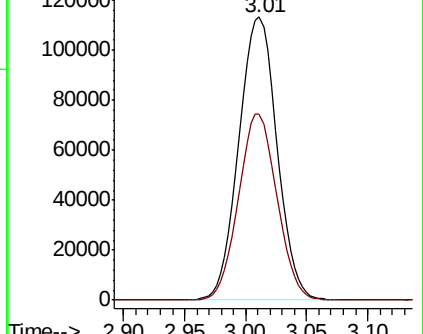
101 100

103 65.8 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: 20.09 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050384.D

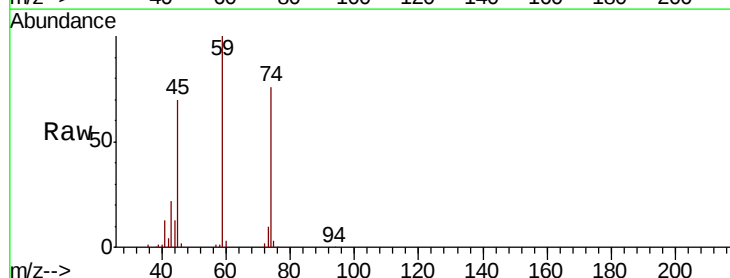
Acq: 6 Aug 2018 15:26

Tgt Ion: 74 Resp: 94030

Ion Ratio Lower Upper

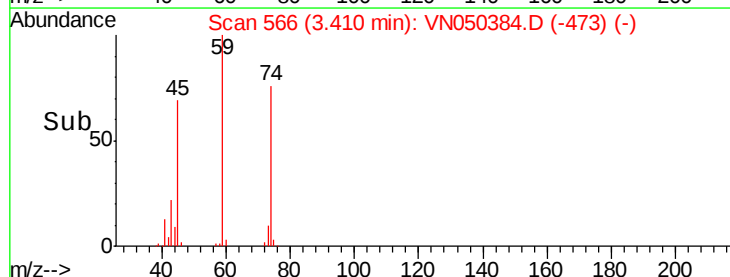
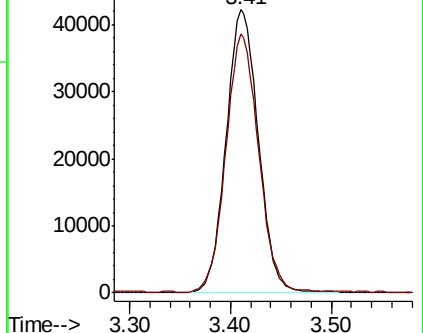
74 100

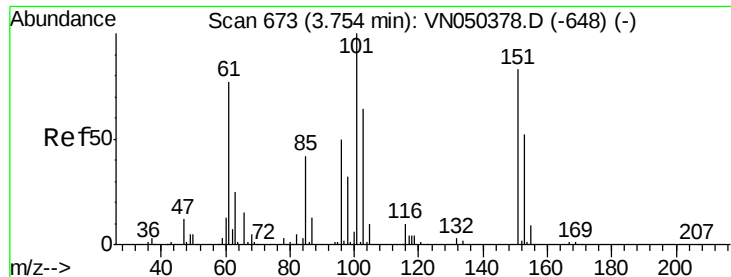
45 93.5 47.6 142.8



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: 19.32 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

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VN0806WBSD01

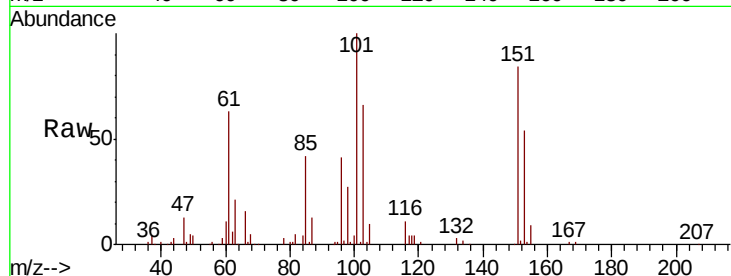
Tot Ion:101 Resp: 152382

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

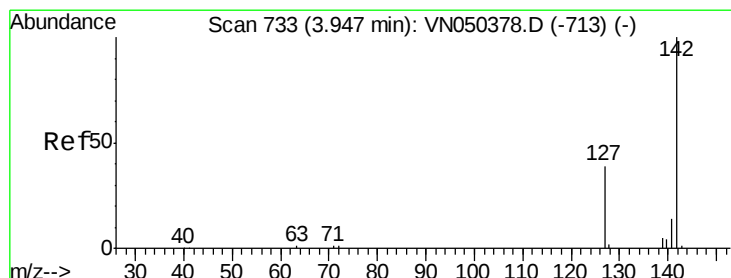
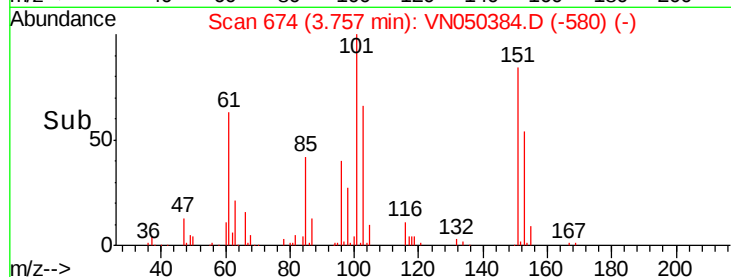
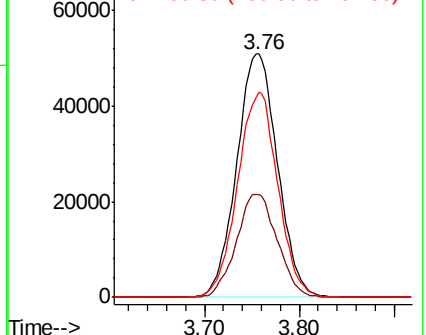
151 83.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.32 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

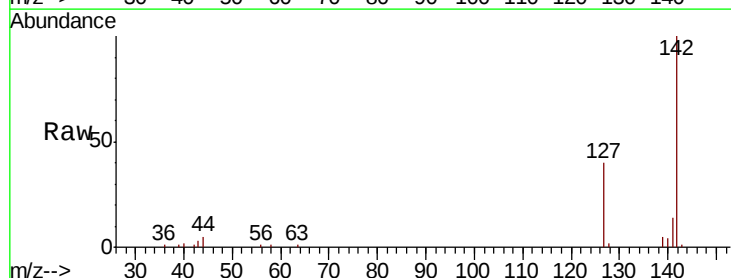
Tgt Ion:142 Resp: 84510

Ion Ratio Lower Upper

142 100

127 39.4 33.4 50.2

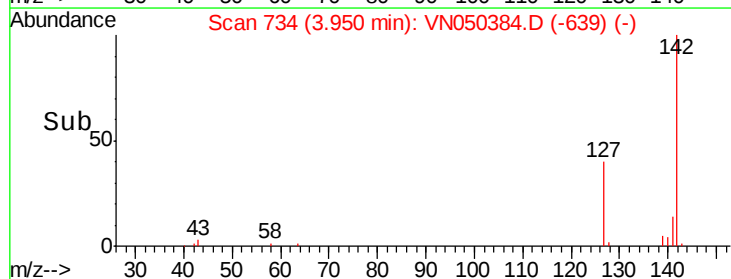
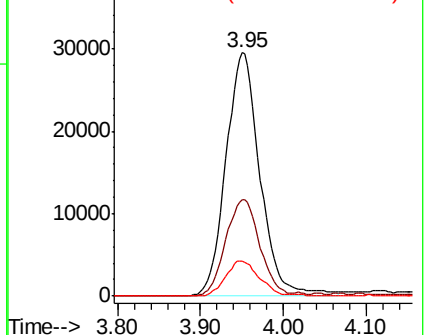
141 14.1 11.6 17.4

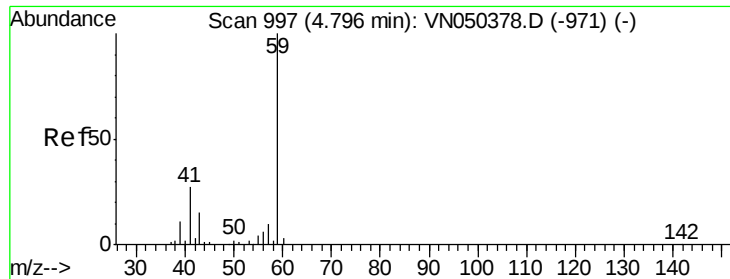


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.12 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

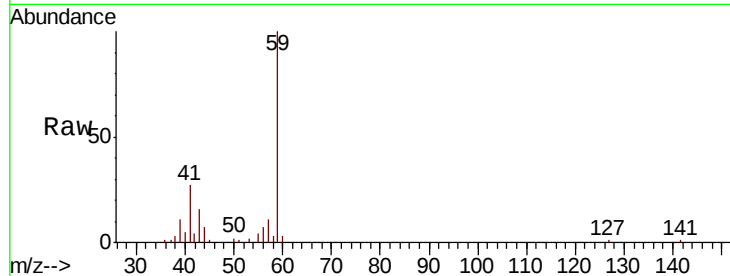
VN0806WBSD01

Tot Ion: 59 Resp: 67260

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.80

20000

15000

10000

5000

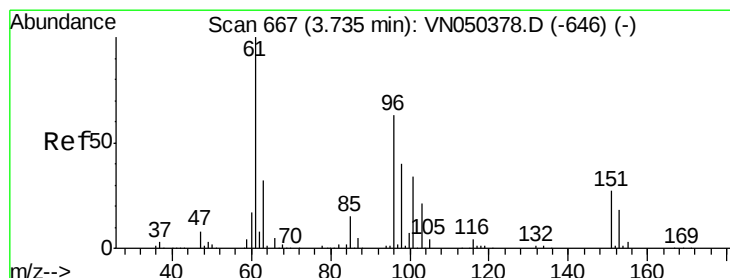
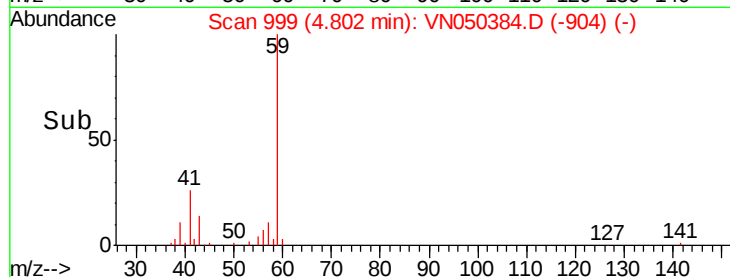
0

4.70

4.80

4.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.27 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

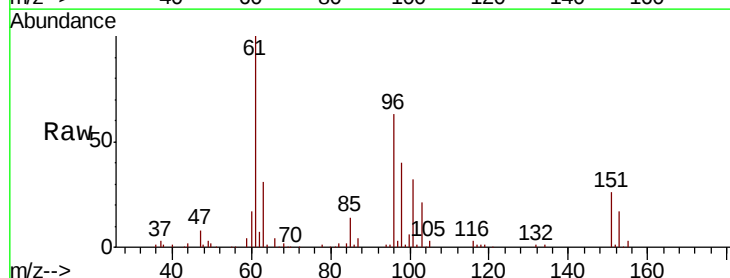
Tgt Ion: 96 Resp: 143238

Ion Ratio Lower Upper

96 100

61 159.3 124.4 186.6

98 62.9 48.3 72.5



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

120000

100000

80000

60000

40000

20000

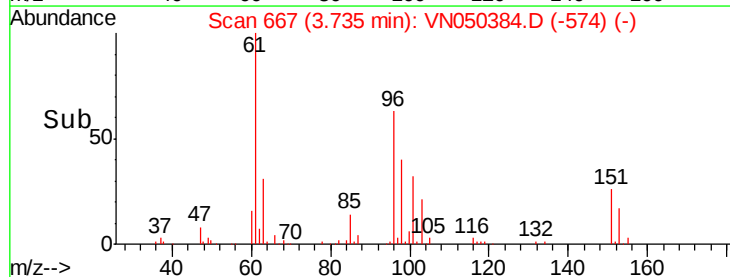
0

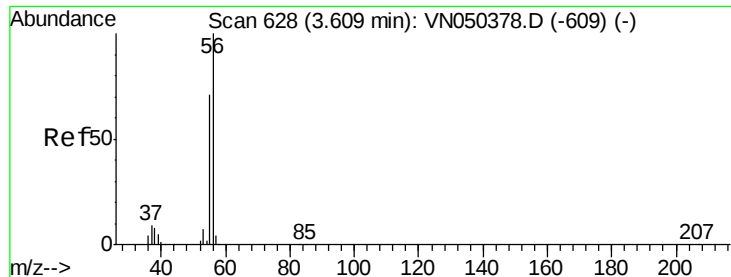
3.60

3.70

3.80

Time-->





#13

Acrolein

Concen: 108.37 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

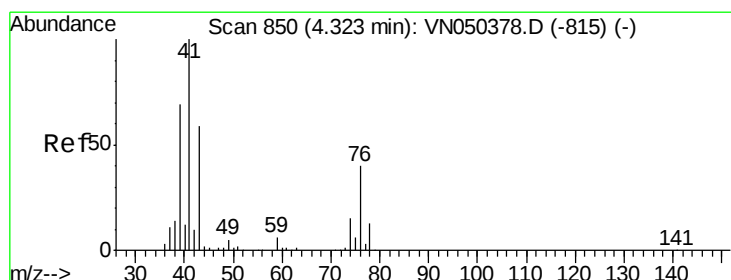
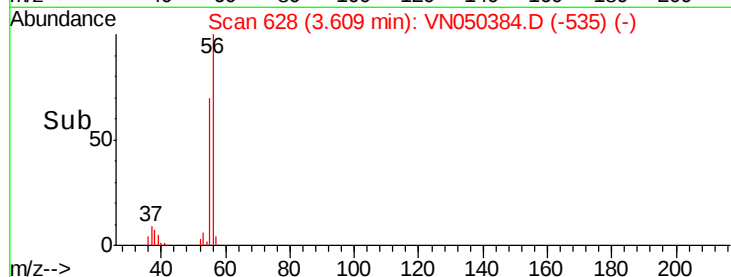
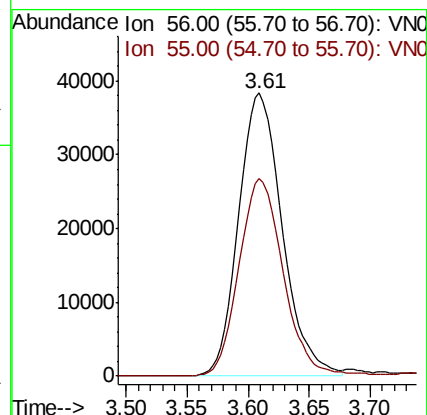
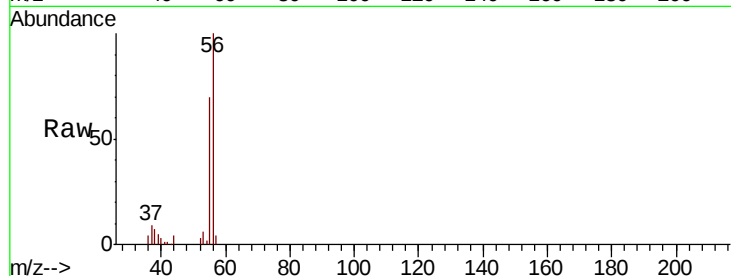
VN0806WBSD01

Tot Ion: 56 Resp: 95377

Ion Ratio Lower Upper

56 100

55 70.4 55.8 83.6



#14

Allyl chloride

Concen: 19.39 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

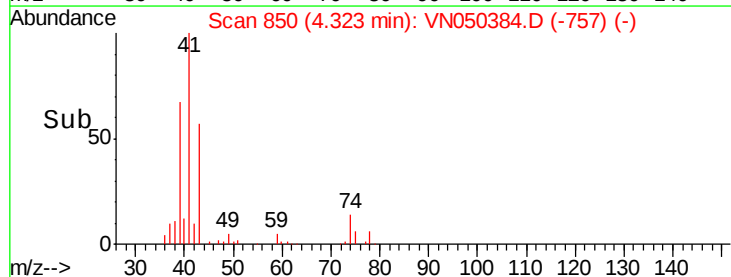
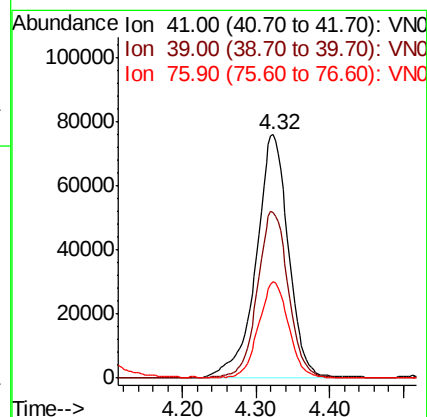
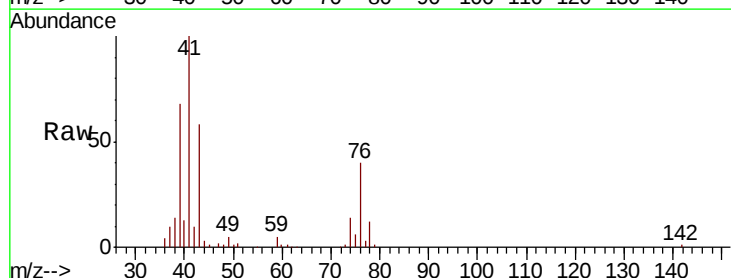
Tgt Ion: 41 Resp: 231570

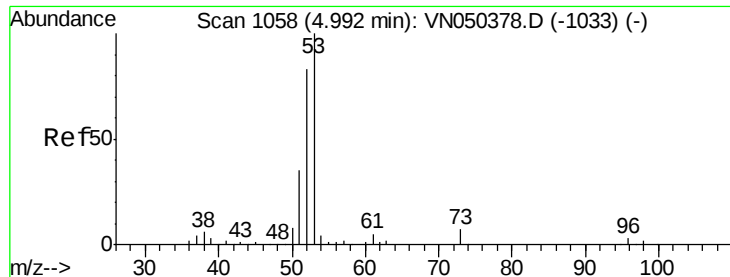
Ion Ratio Lower Upper

41 100

39 65.6 54.2 81.4

76 35.9 29.0 43.6





#15

Acrylonitrile

Concen: 96.64 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

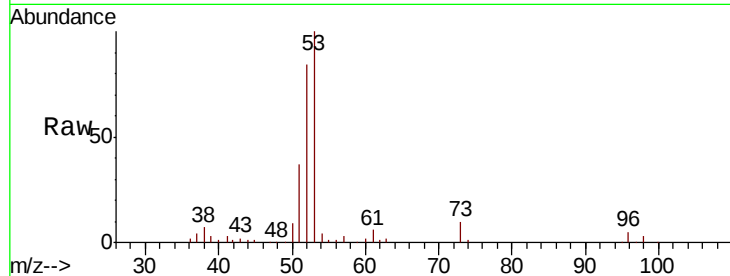
Tot Ion: 53 Resp: 298790

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.2

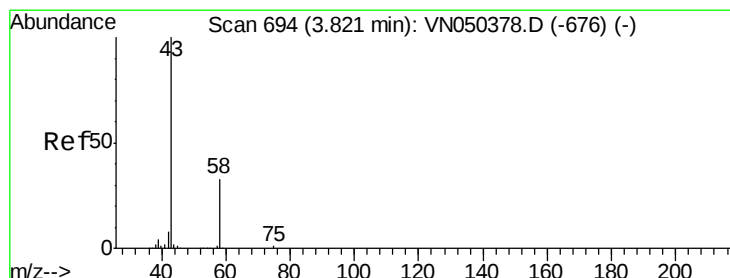
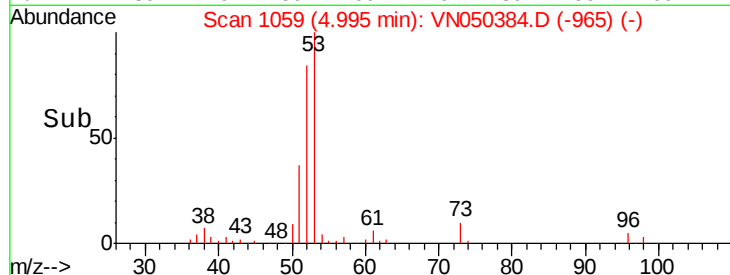
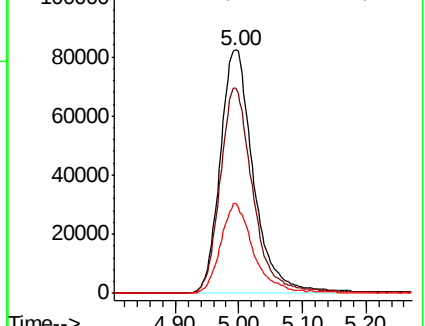
51 36.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.43 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050384.D

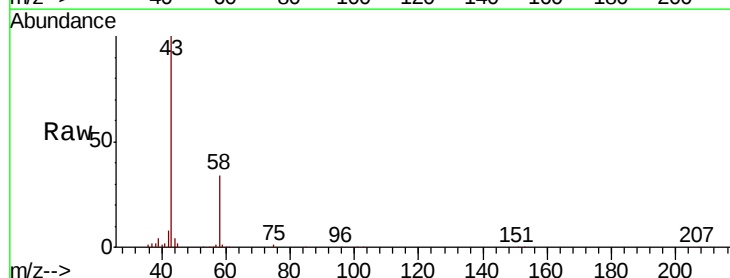
Acq: 6 Aug 2018 15:26

Tgt Ion: 43 Resp: 270335

Ion Ratio Lower Upper

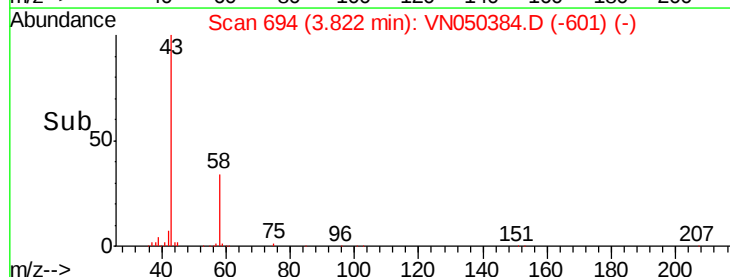
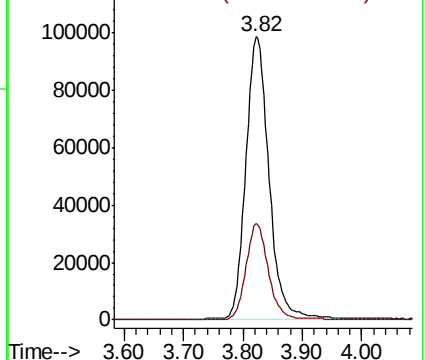
43 100

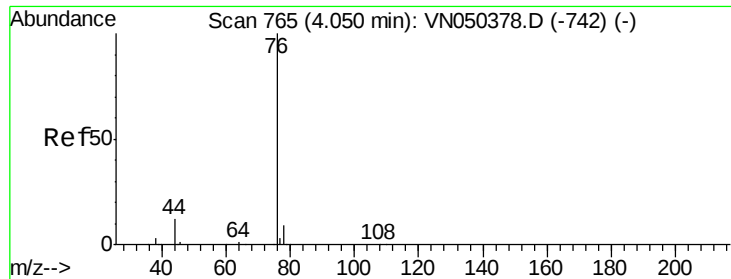
58 33.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

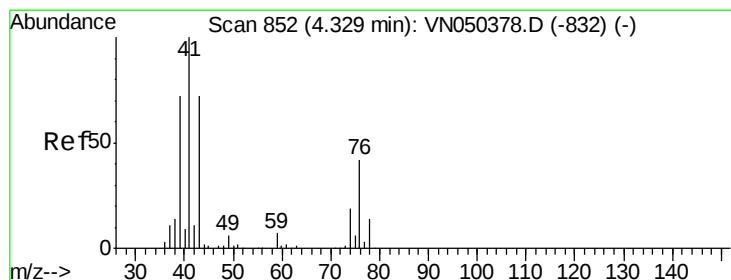
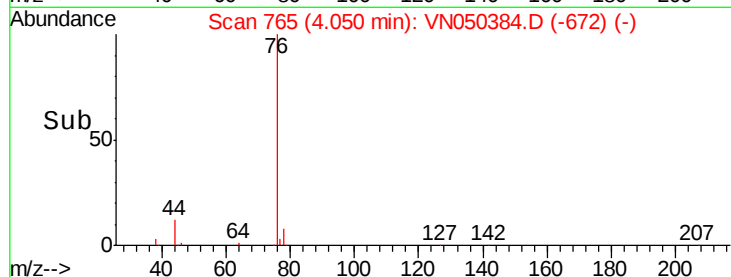
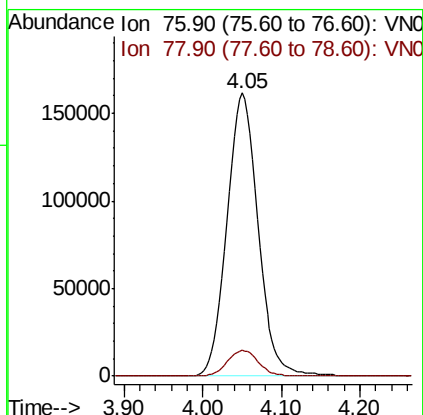
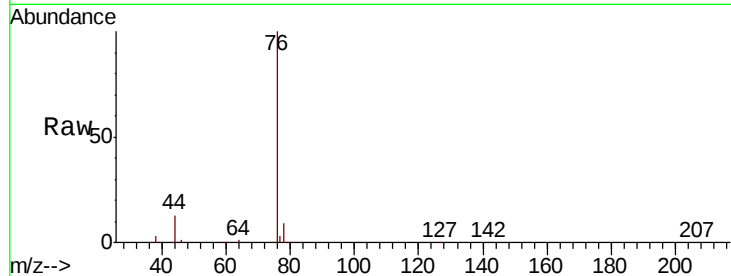




#17
Carbon Disulfide
Concen: 18.33 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

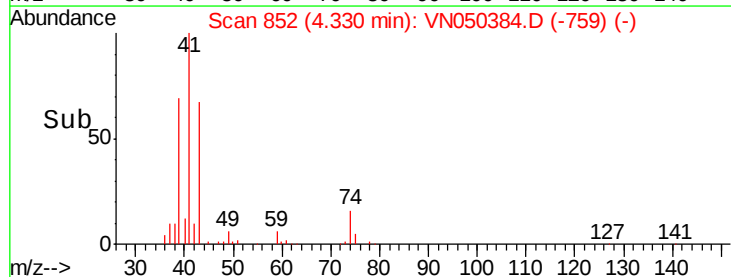
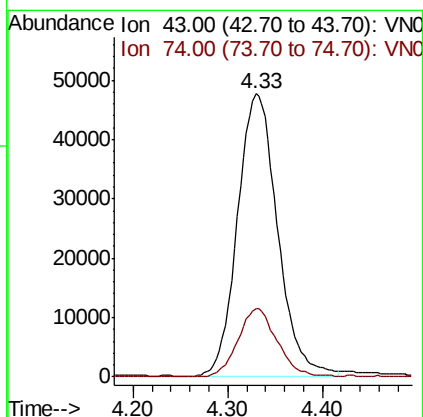
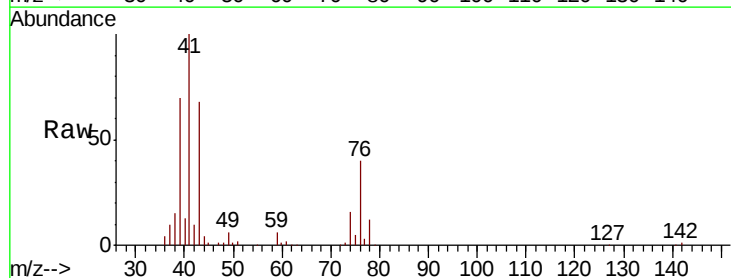
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

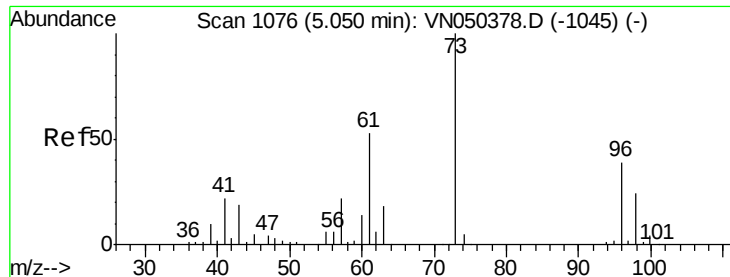
Tot Ion: 76 Resp: 443161
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 19.68 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 43 Resp: 140933
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8

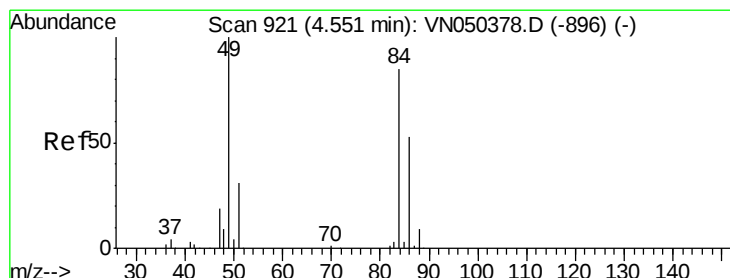
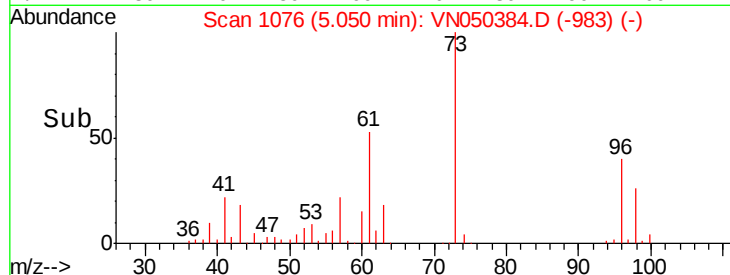
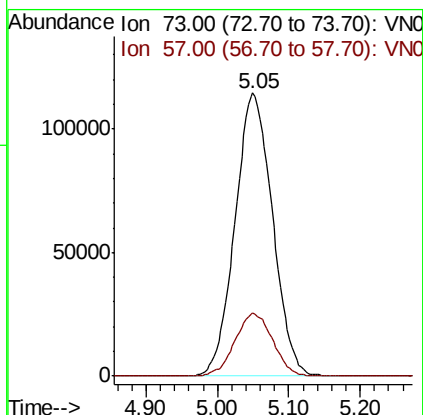
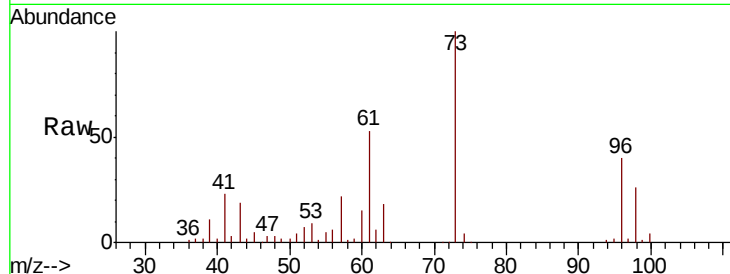




#19
Methyl tert-butyl Ether
Concen: 19.85 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

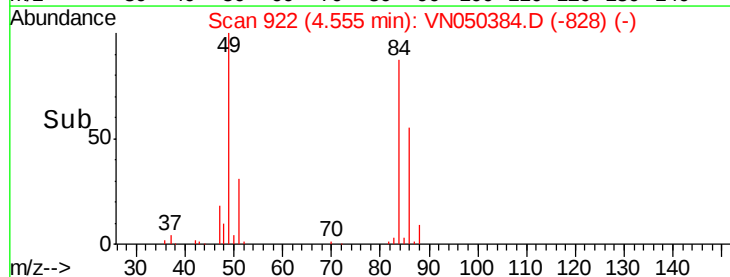
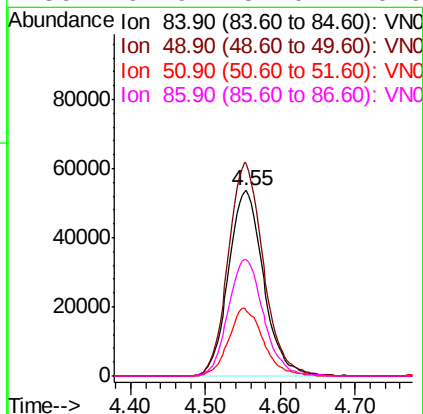
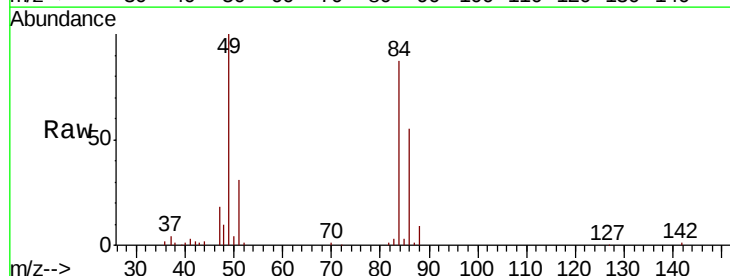
Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

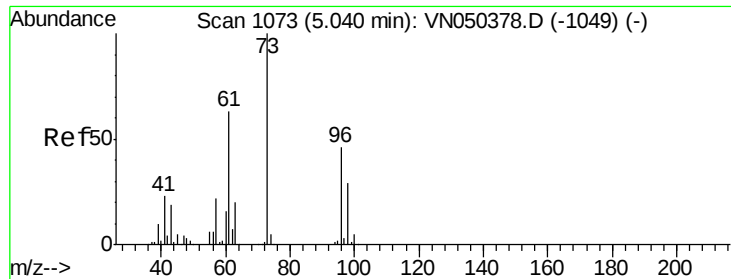
Tot Ion: 73 Resp: 418846
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0



#20
Methylene Chloride
Concen: 19.95 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 84 Resp: 175011
Ion Ratio Lower Upper
84 100
49 115.0 94.8 142.2
51 35.1 28.3 42.5
86 62.9 51.0 76.6

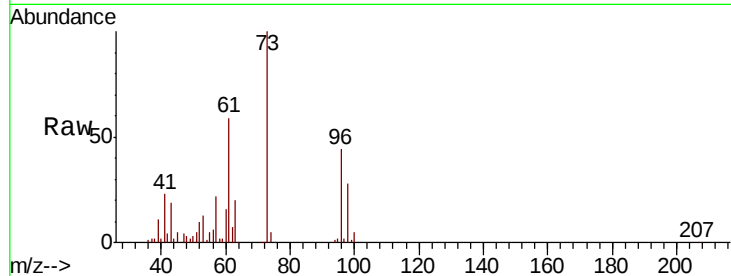




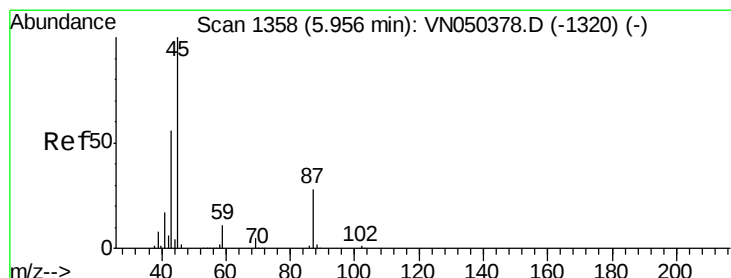
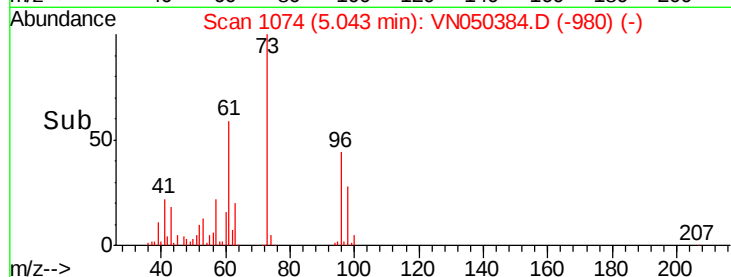
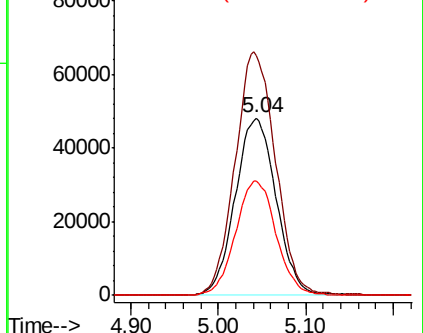
#21
trans-1,2-Dichloroethene
Concen: 19.42 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion: 96 Resp: 156227
Ion Ratio Lower Upper
96 100
61 135.4 110.7 166.1
98 64.4 51.6 77.4

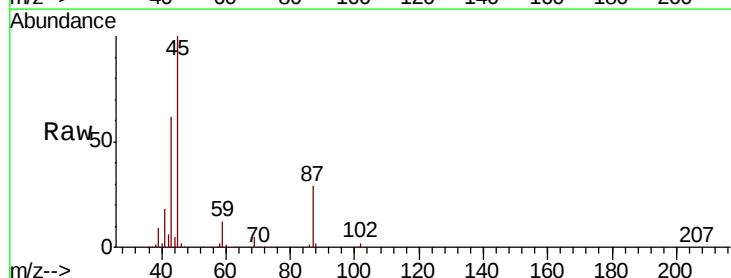


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

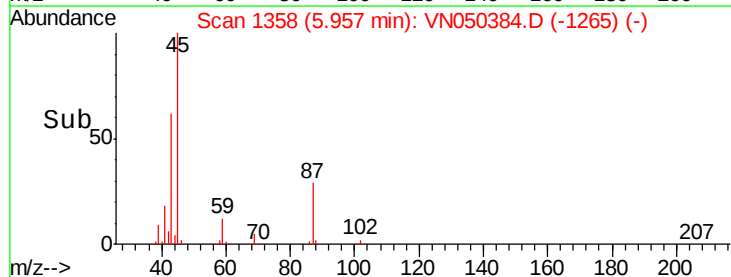
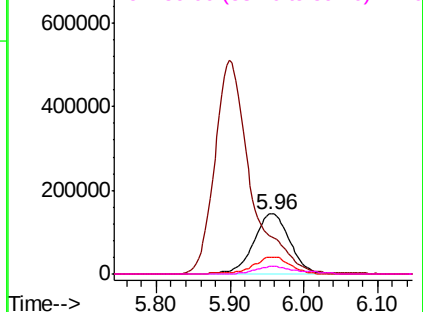


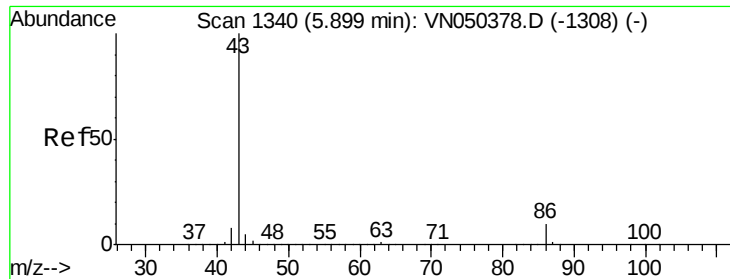
#22
Diisopropyl ether
Concen: 20.14 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 45 Resp: 491366
Ion Ratio Lower Upper
45 100
43 60.4 45.7 68.5
87 28.6 22.7 34.1
59 11.6 9.5 14.3



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

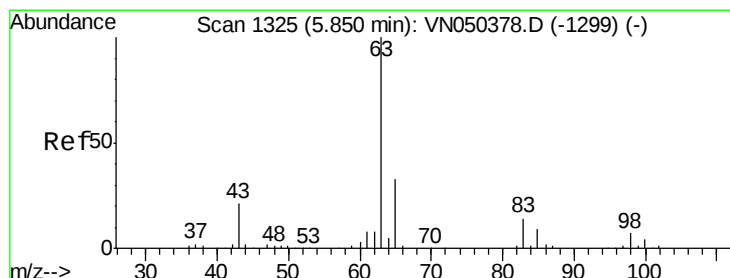
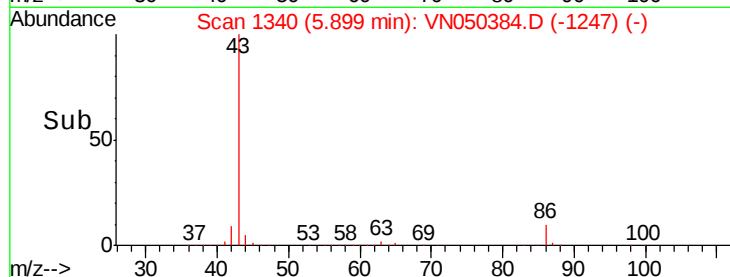
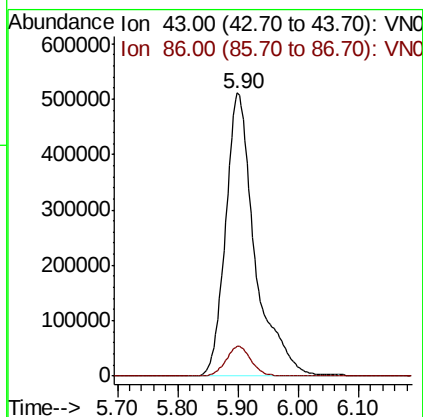
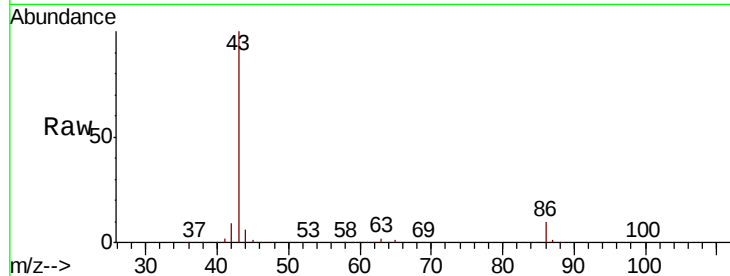




#23
 Vinyl Acetate
 Concen: 99.44 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

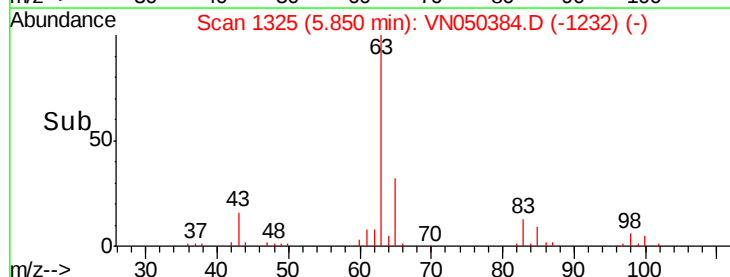
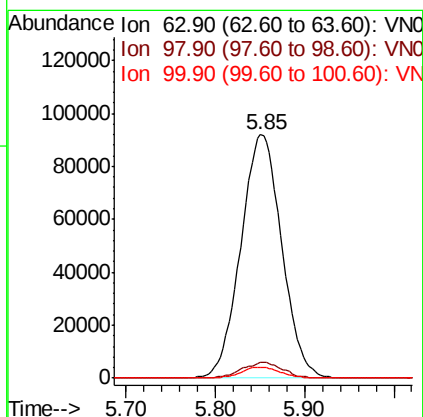
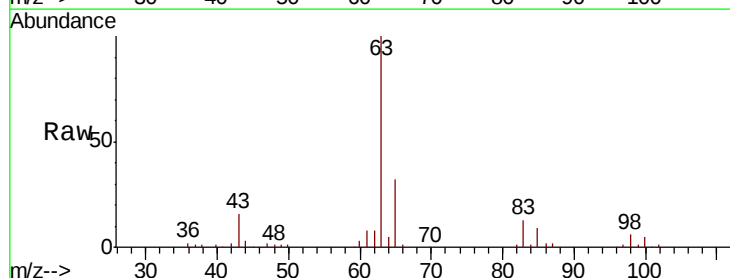
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

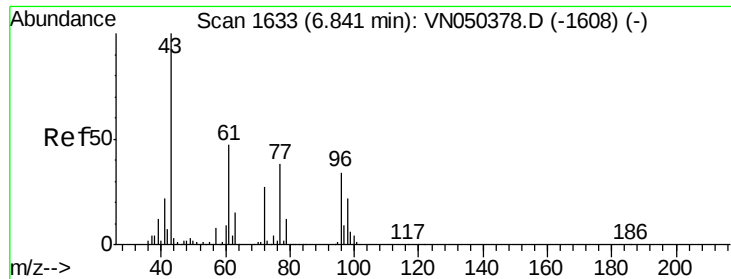
Tot Ion: 43 Resp: 1730606
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.62 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 63 Resp: 293662
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.6 2.1 6.3

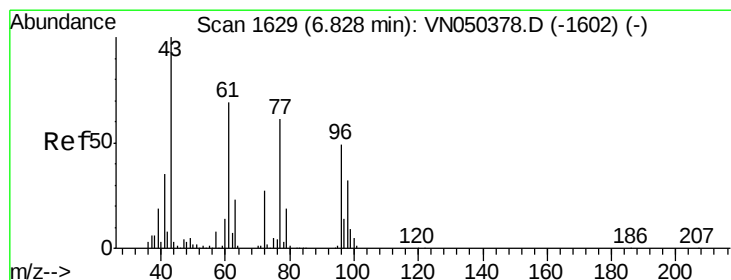
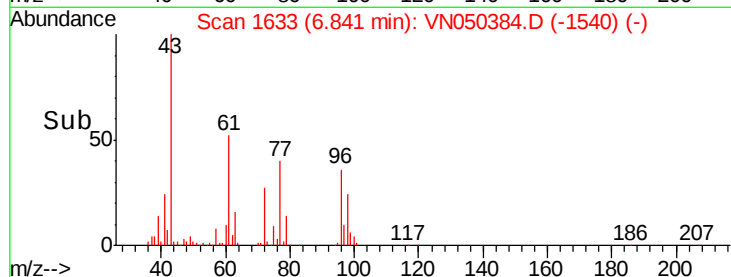
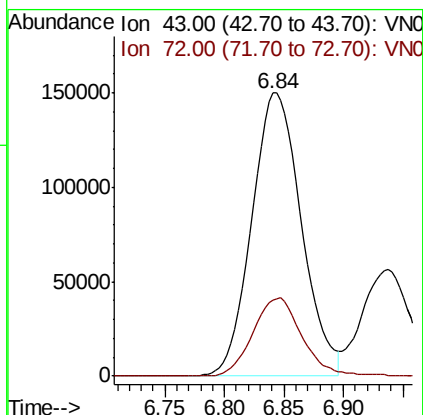
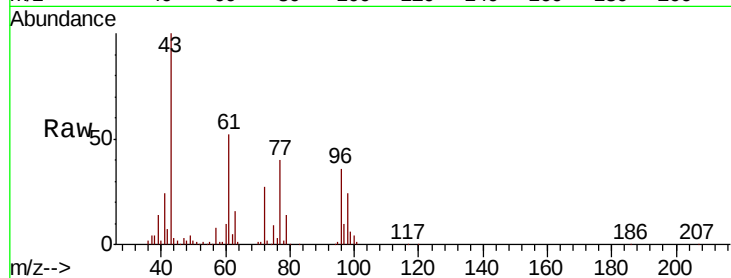




#25
2-Butanone
Concen: 94.76 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

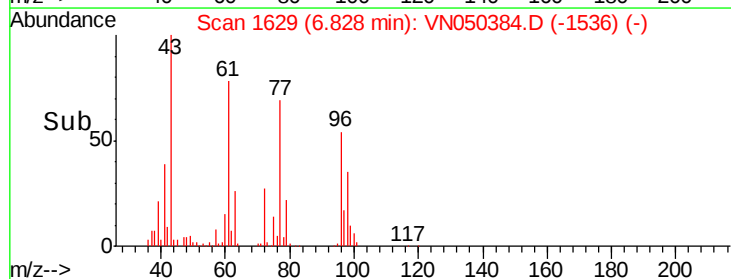
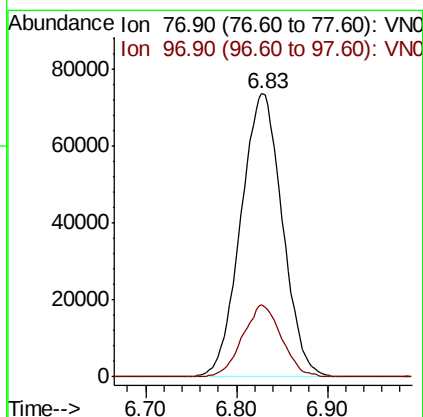
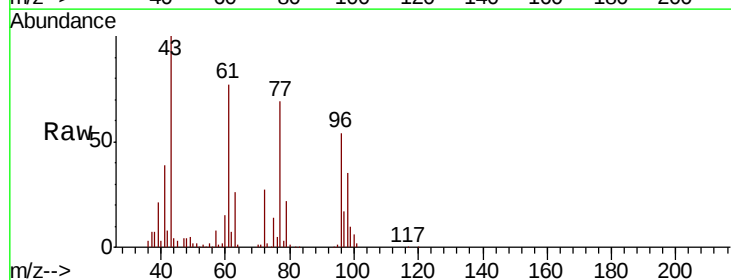
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

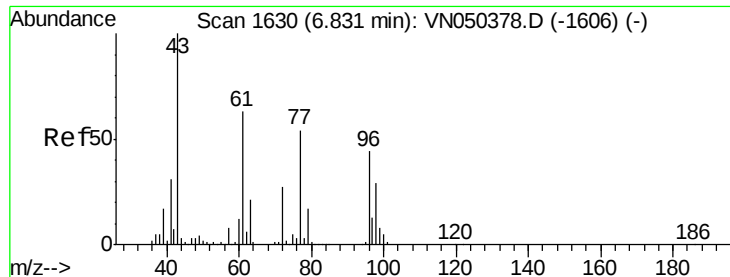
Tot Ion: 43 Resp: 431483
Ion Ratio Lower Upper
43 100
72 27.0 21.5 32.3



#26
2,2-Dichloropropane
Concen: 18.94 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 77 Resp: 233692
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.54 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

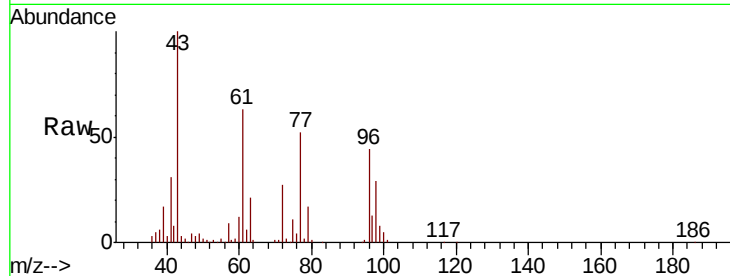
Tot Ion: 96 Resp: 174291

Ion Ratio Lower Upper

96 100

61 144.4 0.0 285.0

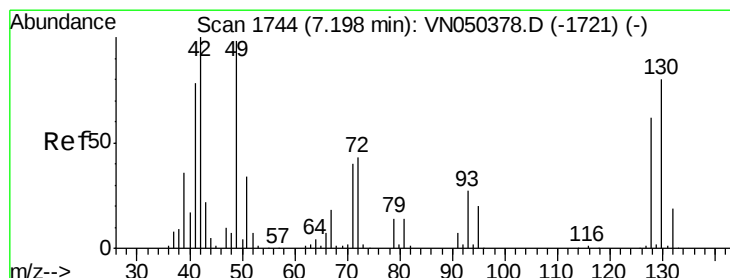
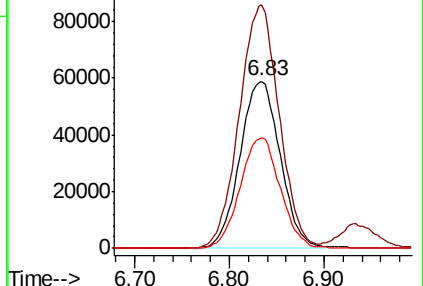
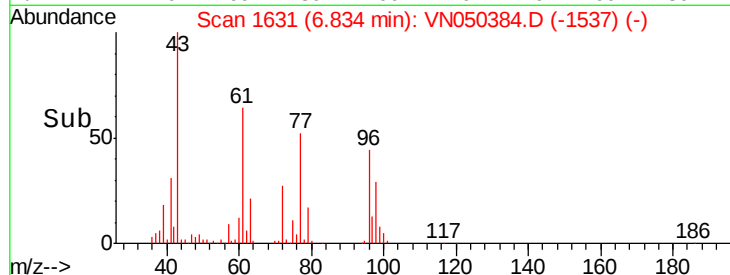
98 66.0 0.0 129.2



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: 19.02 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

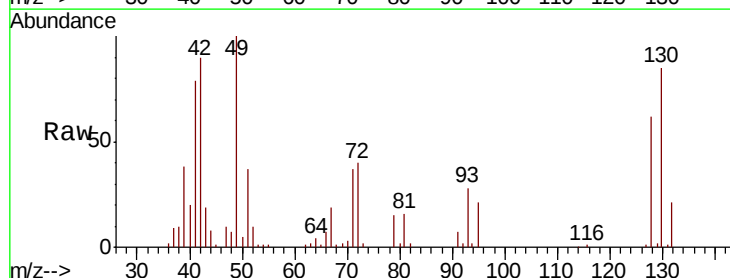
Tgt Ion: 49 Resp: 131009

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.0

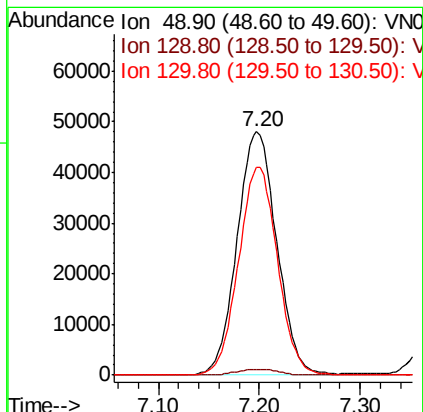
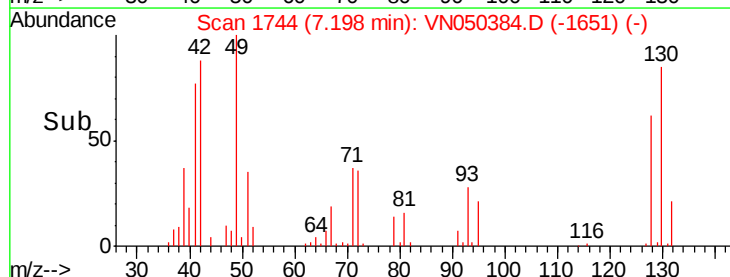
130 83.9 66.3 99.5

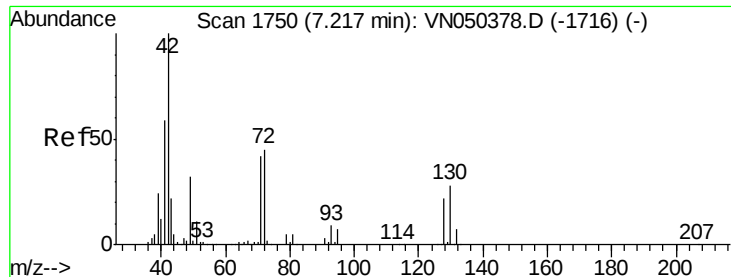


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.58 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

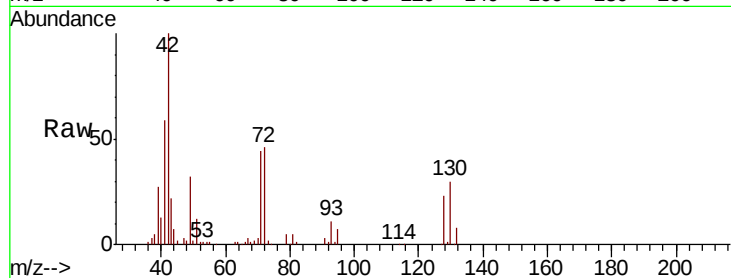
Tot Ion: 42 Resp: 230502

Ion Ratio Lower Upper

42 100

72 45.2 35.9 53.9

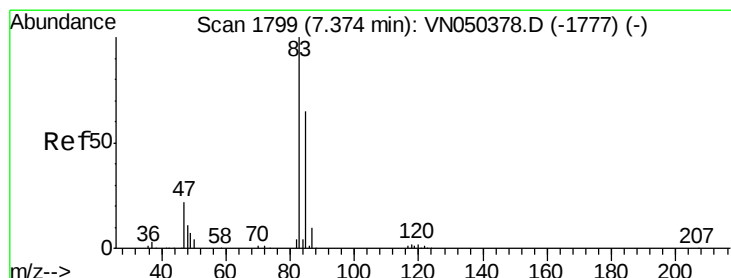
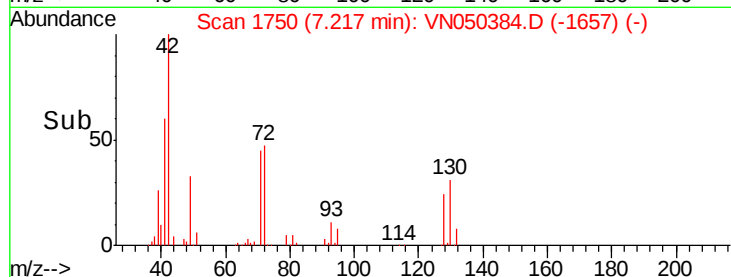
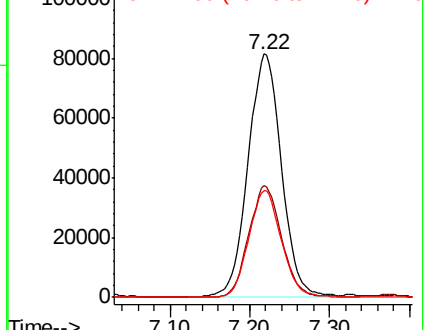
71 43.2 33.7 50.5



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: 19.64 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050384.D

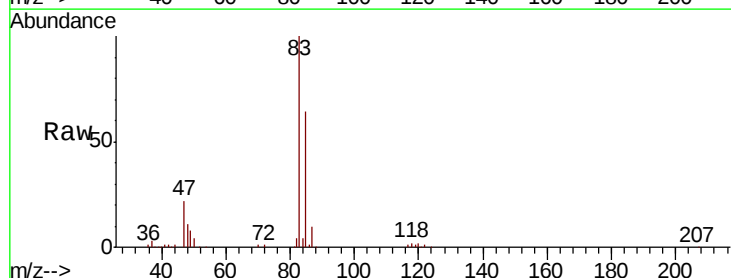
Acq: 6 Aug 2018 15:26

Tgt Ion: 83 Resp: 293876

Ion Ratio Lower Upper

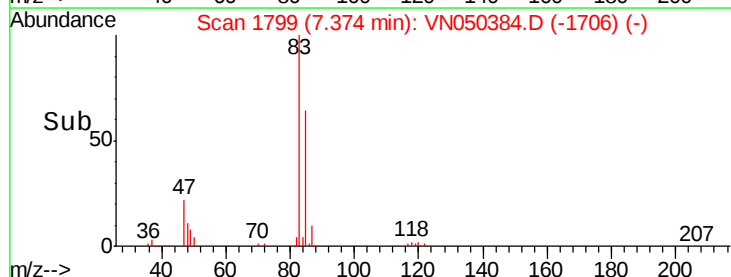
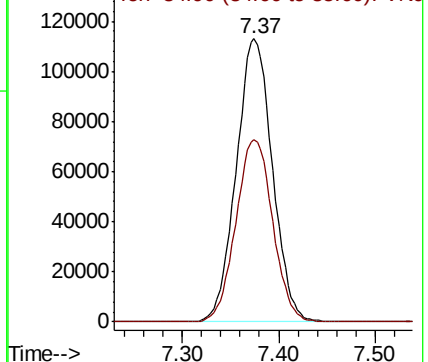
83 100

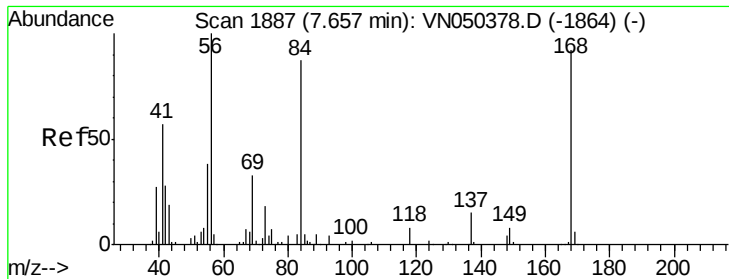
85 64.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.10 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

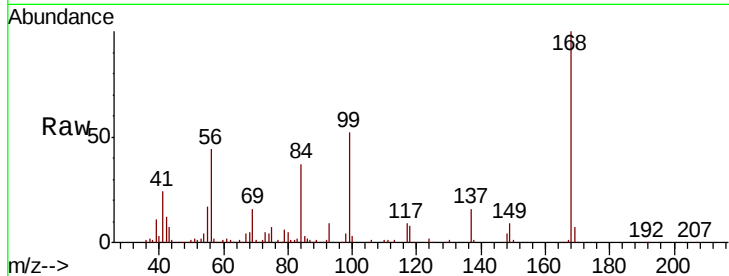
Tot Ion: 56 Resp: 256671

Ion Ratio Lower Upper

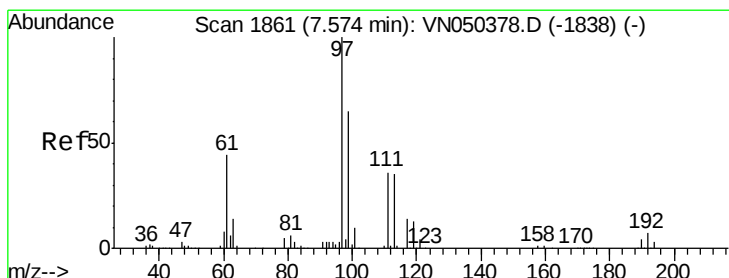
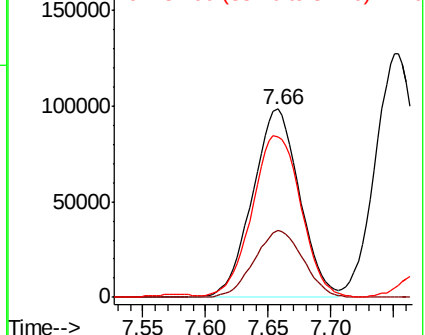
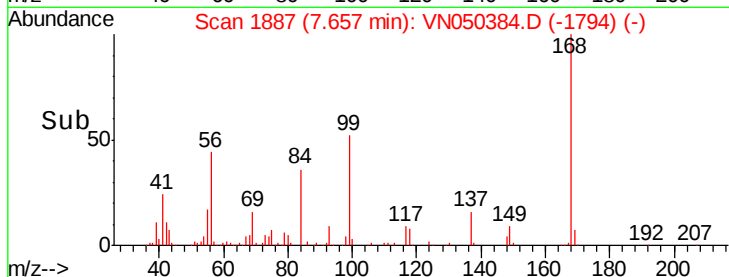
56 100

69 35.6 26.2 39.4

84 84.1 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: 19.63 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

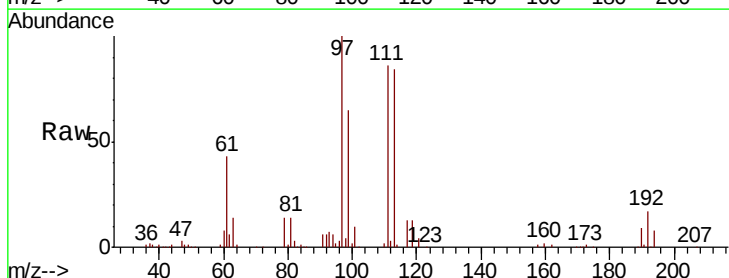
Tgt Ion: 97 Resp: 252220

Ion Ratio Lower Upper

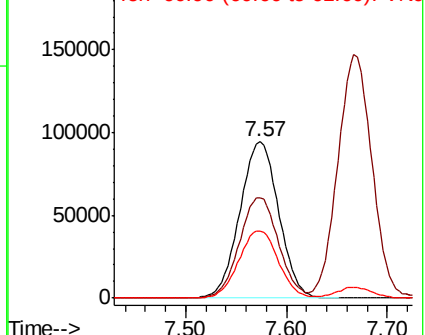
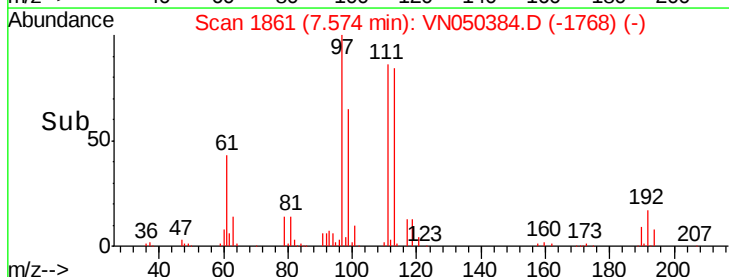
97 100

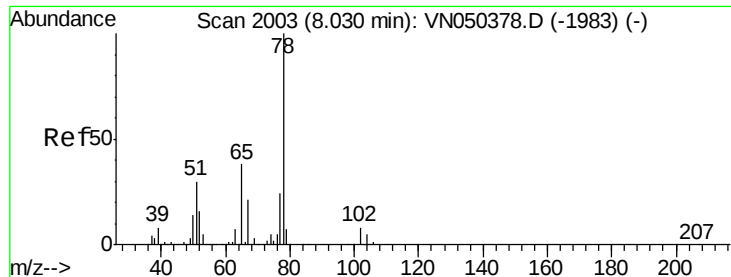
99 65.0 51.4 77.0

61 43.9 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

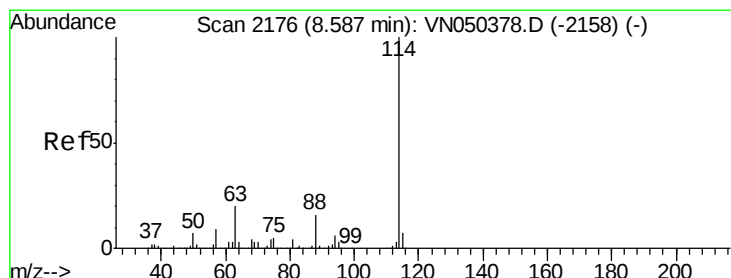
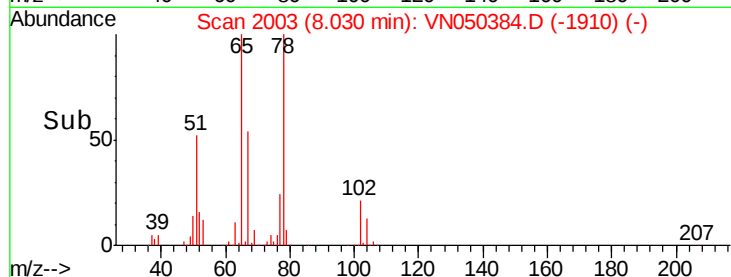
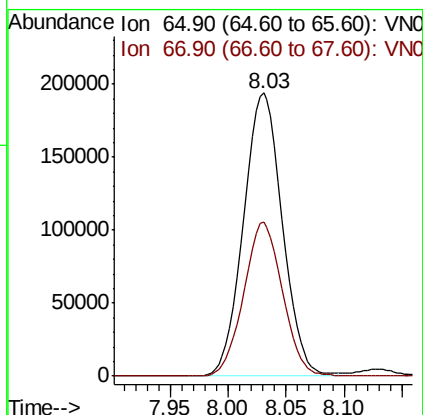
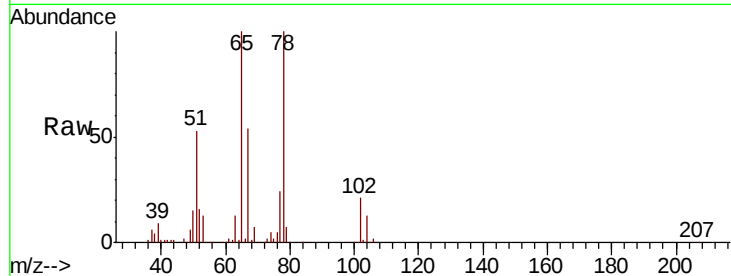




#33
 1,2-Dichloroethane-d4
 Concen: 49.29 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

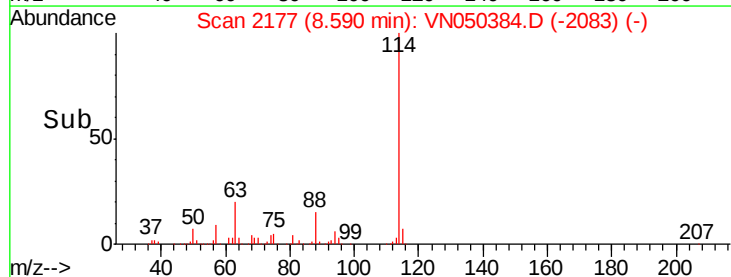
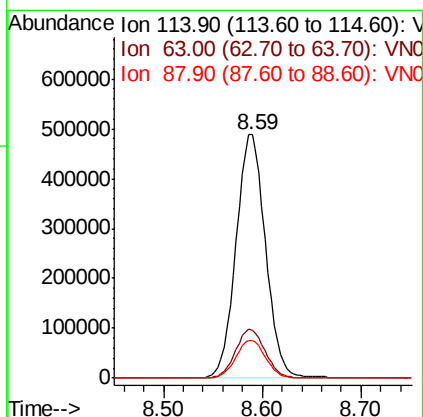
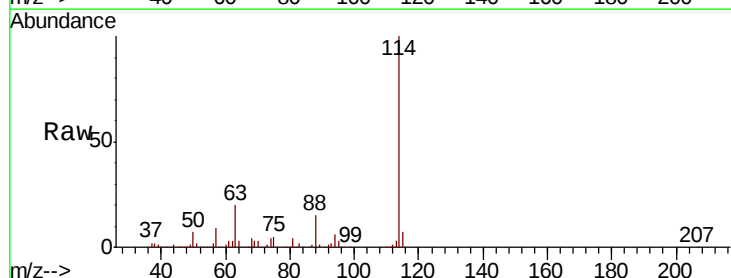
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

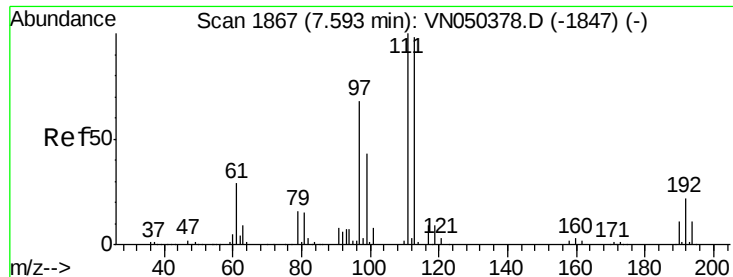
Tot Ion: 65 Resp: 452904
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 114 Resp: 1013441
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 31.2

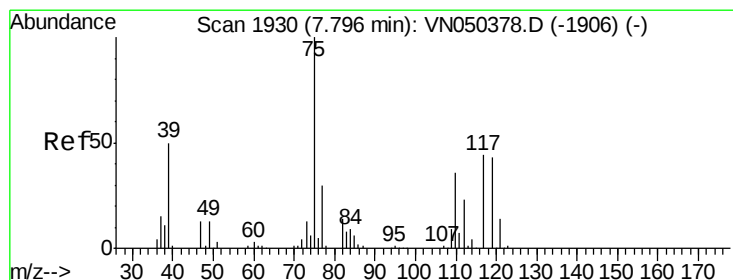
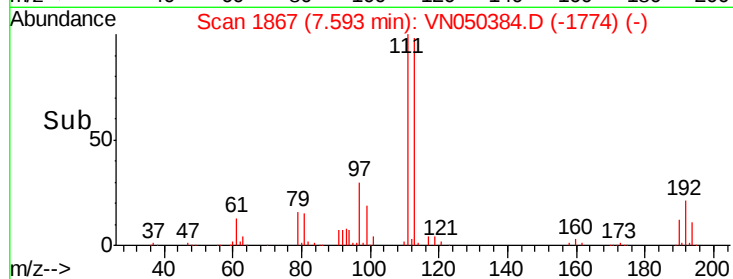
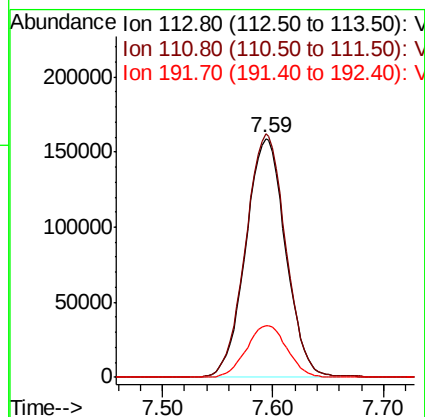
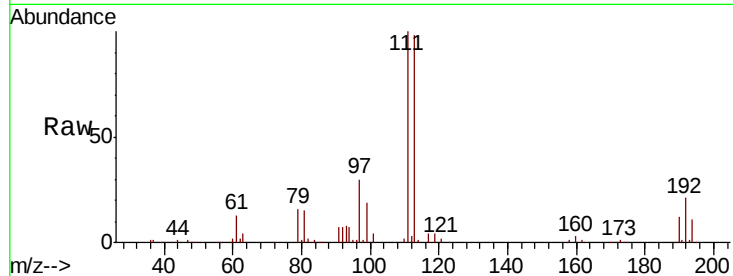




#35
 Dibromofluoromethane
 Concen: 48.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

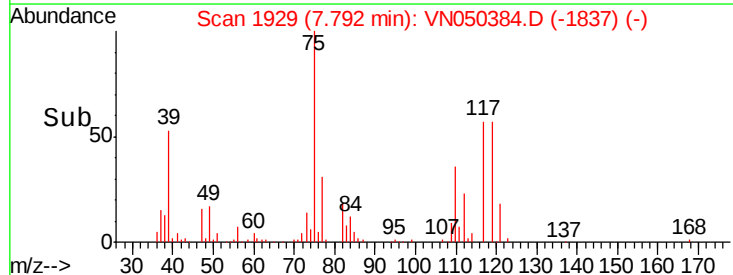
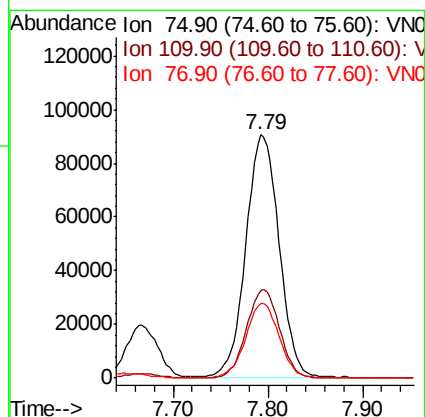
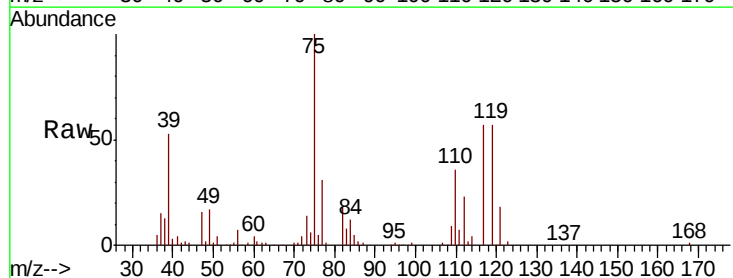
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

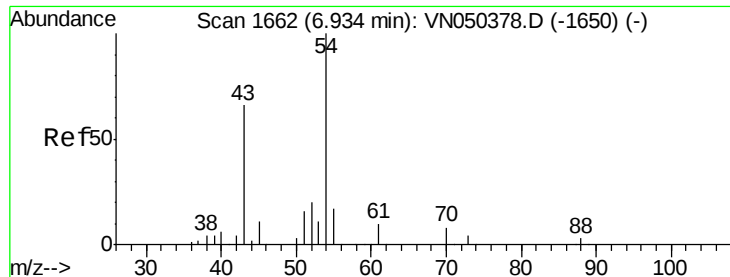
Tot Ion:113 Resp: 398218
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.81 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 75 Resp: 220537
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.4 55.2
 77 30.4 25.3 37.9

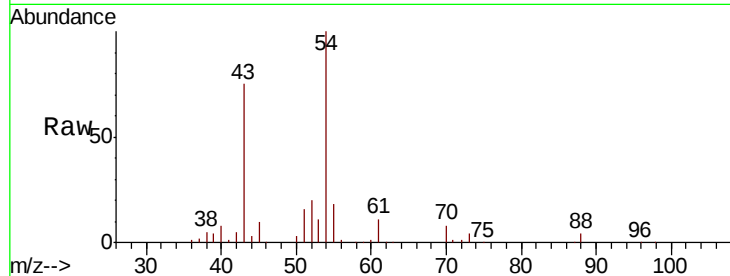




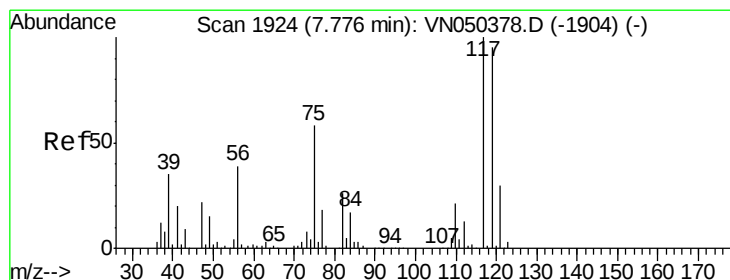
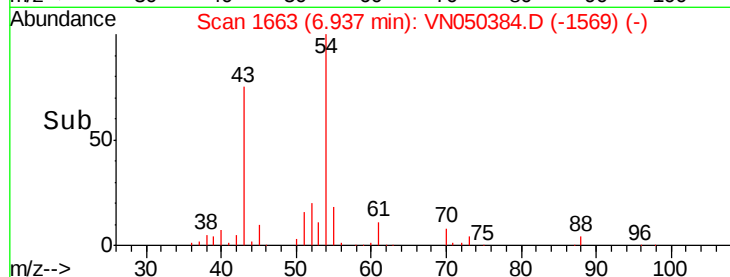
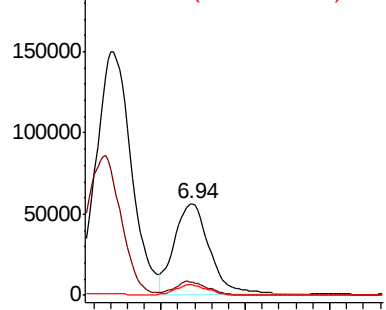
#37
Ethyl Acetate
Concen: 20.37 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion: 43 Resp: 163362
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 10.8 8.4 12.6

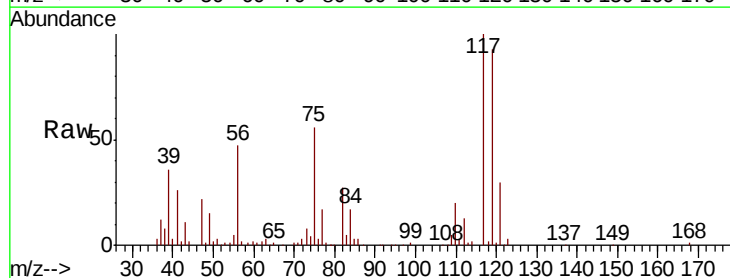


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

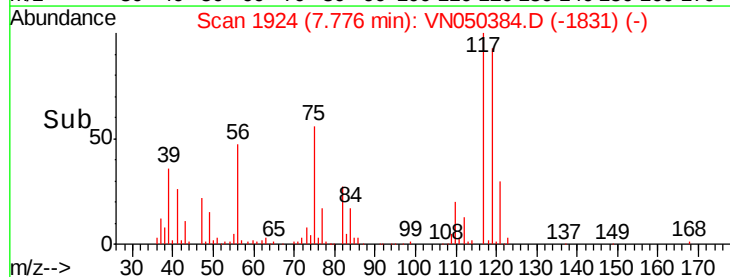
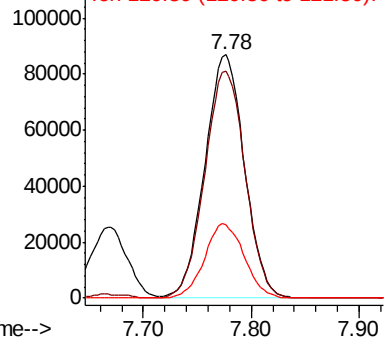


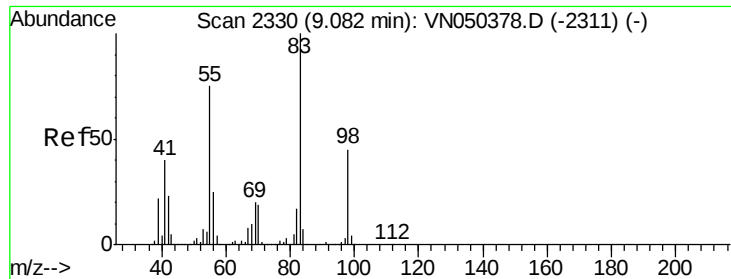
#38
Carbon Tetrachloride
Concen: 19.12 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 117 Resp: 222047
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.0
121 30.1 23.9 35.9



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

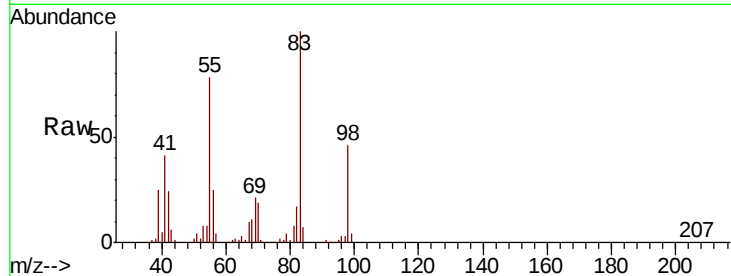




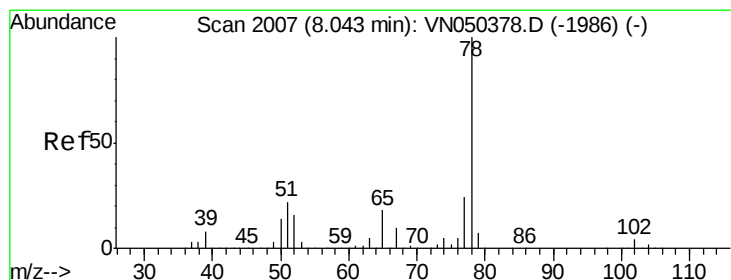
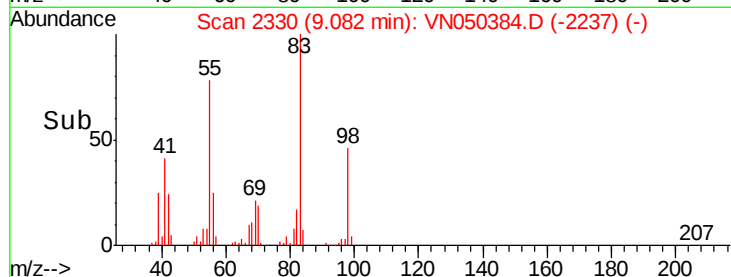
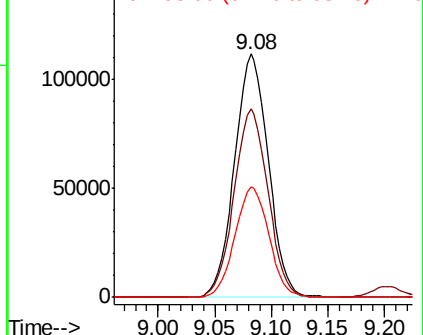
#39
Methvlcvclohexane
Concen: 19.13 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

Tot Ion: 83 Resp: 232543
Ion Ratio Lower Upper
83 100
55 77.5 61.8 92.8
98 45.6 36.5 54.7

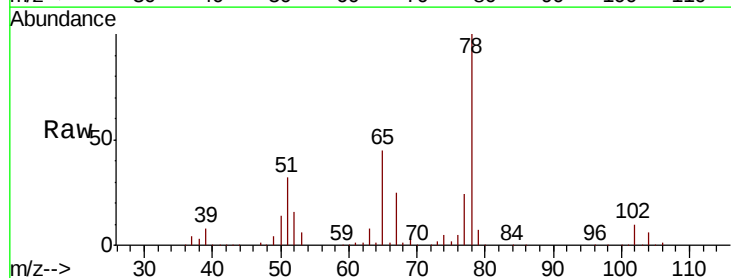


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

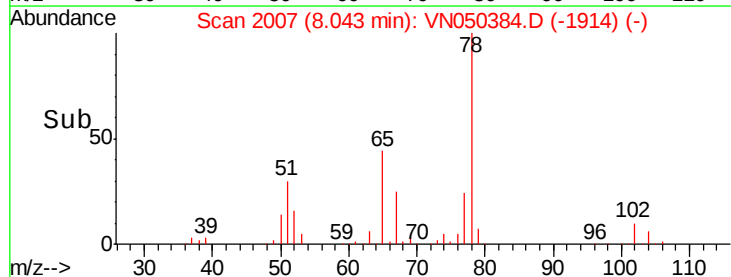
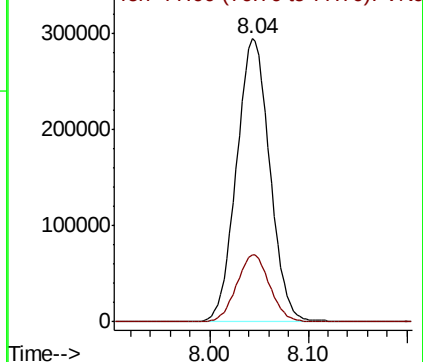


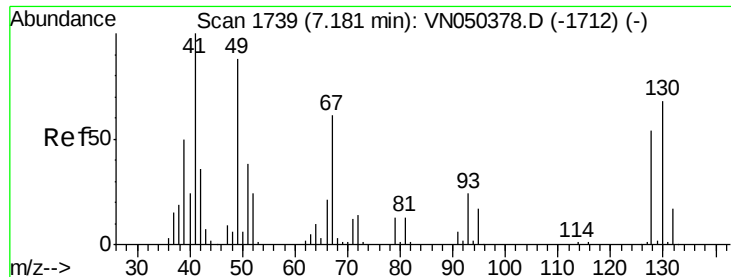
#40
Benzene
Concen: 20.04 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 78 Resp: 685889
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



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

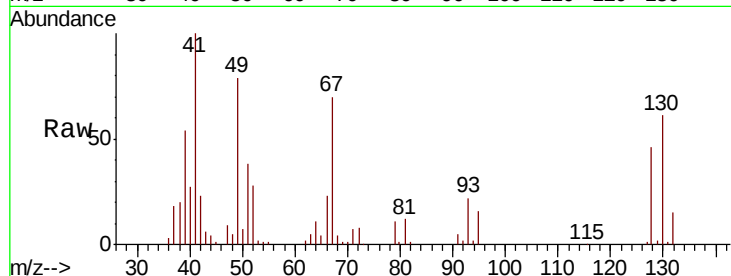




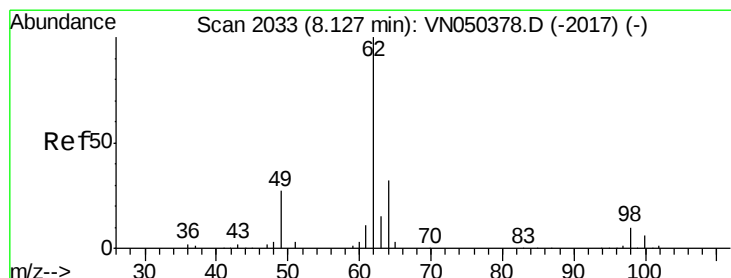
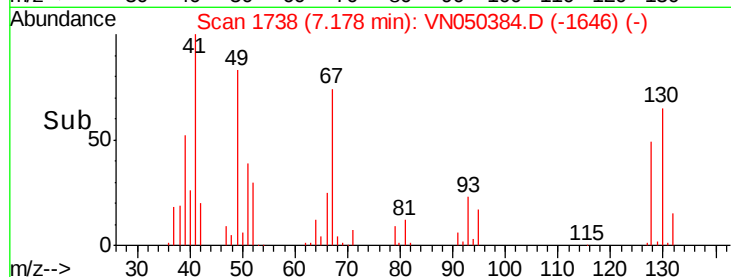
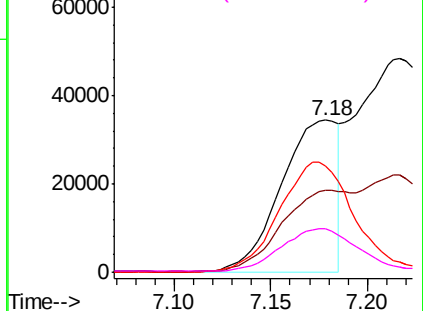
#41
Methacrylonitrile
Concen: 16.50 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

Tot Ion:	41	Resp:	70373
Ion	Ratio	Lower	Upper
41	100		
39	68.5	55.8	83.6
67	98.0	84.3	126.5
52	38.6	34.2	51.2

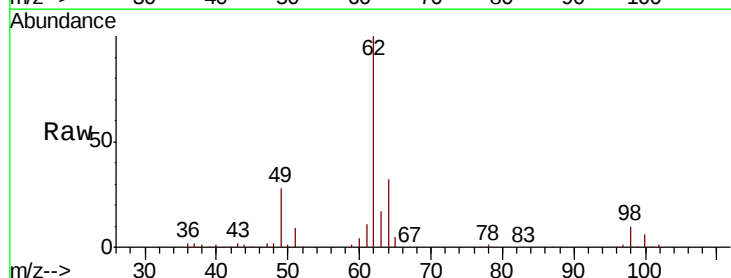


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

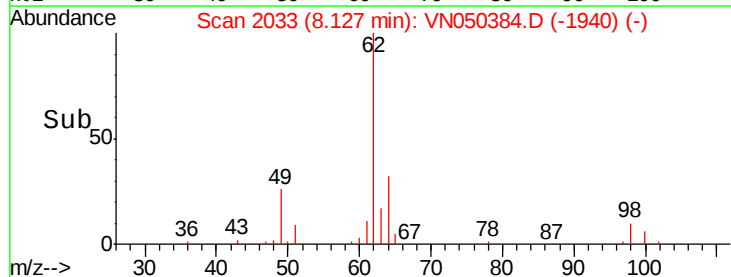
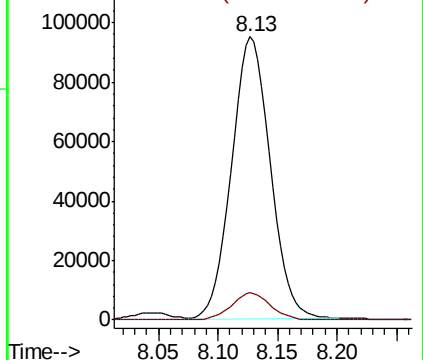


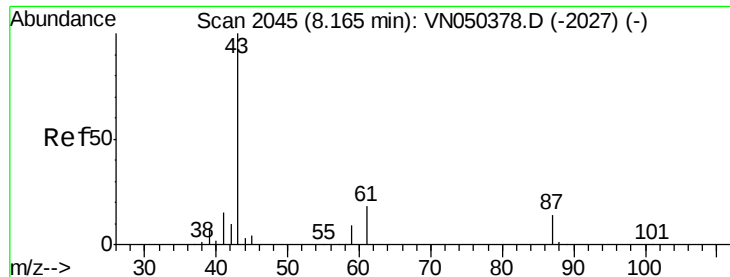
#42
1,2-Dichloroethane
Concen: 19.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion:	62	Resp:	214407
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8



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





#43

Isopropyl Acetate

Concen: 19.53 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

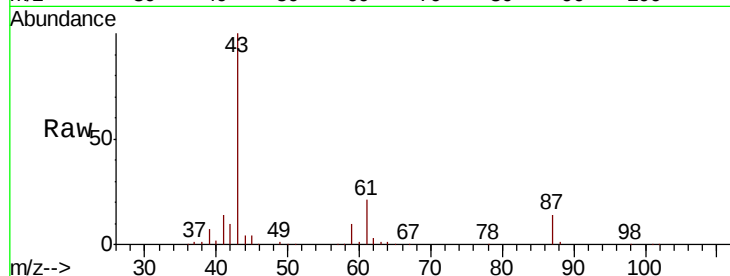
Tot Ion: 43 Resp: 270316

Ion Ratio Lower Upper

43 100

61 21.1 15.8 23.6

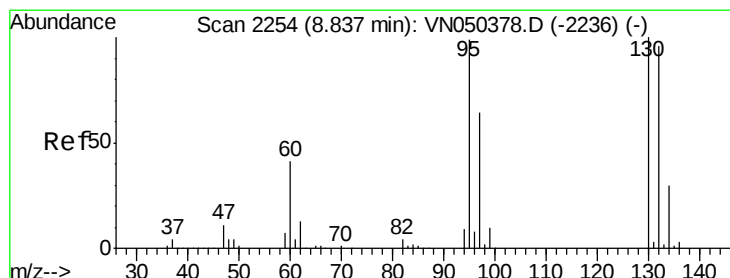
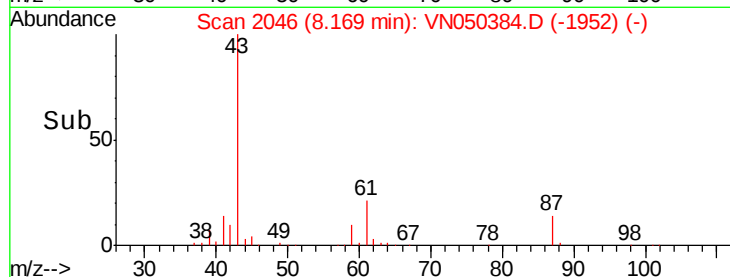
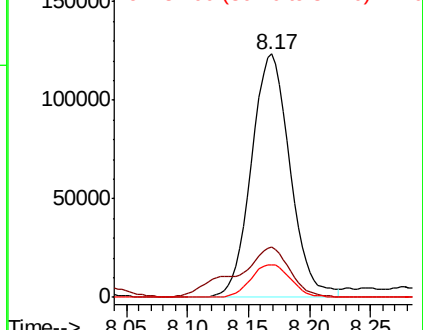
87 14.0 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.16 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050384.D

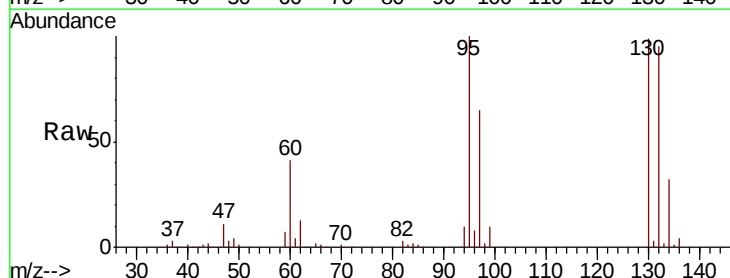
Acq: 6 Aug 2018 15:26

Tgt Ion:130 Resp: 176249

Ion Ratio Lower Upper

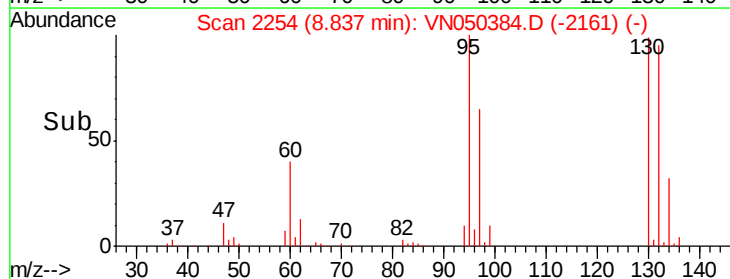
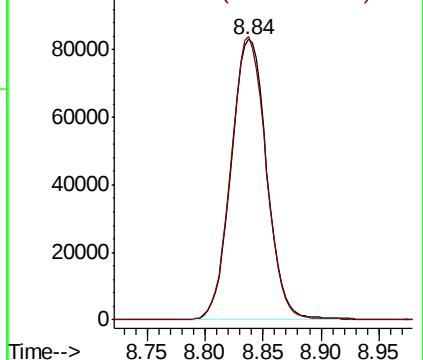
130 100

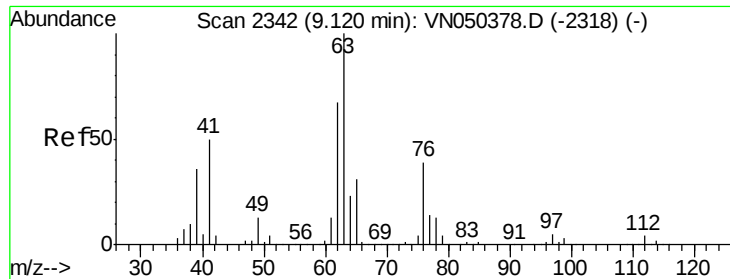
95 100.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.40 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

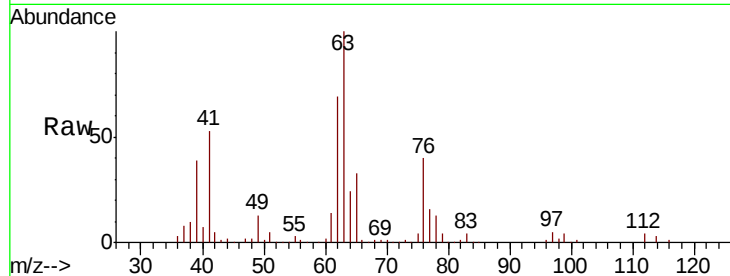
VN0806WBSD01

Tot Ion: 63 Resp: 174594

Ion Ratio Lower Upper

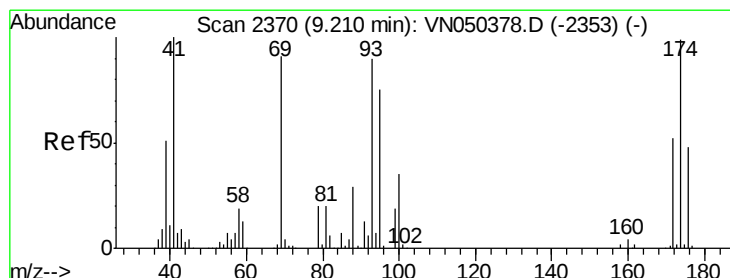
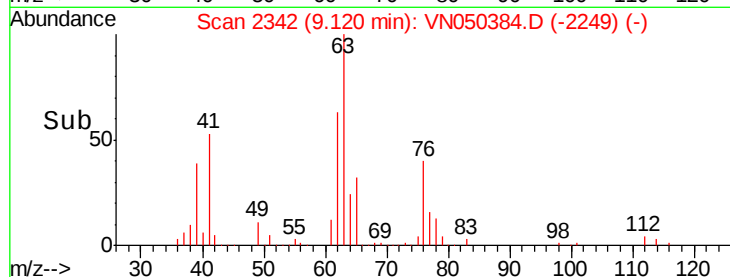
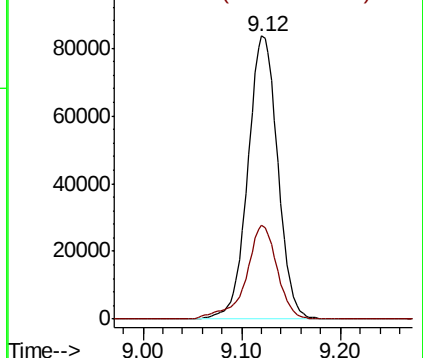
63 100

65 33.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.45 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

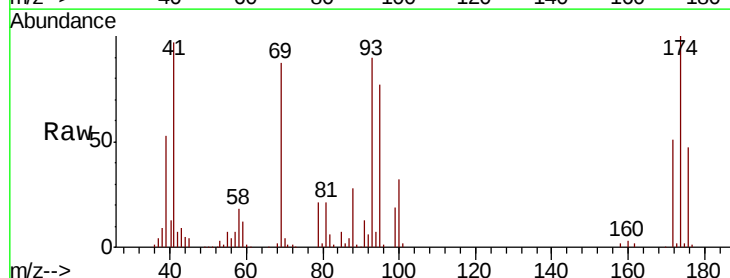
Tgt Ion: 93 Resp: 108084

Ion Ratio Lower Upper

93 100

95 85.5 66.6 100.0

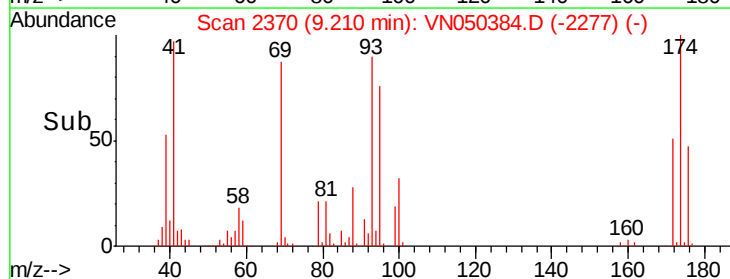
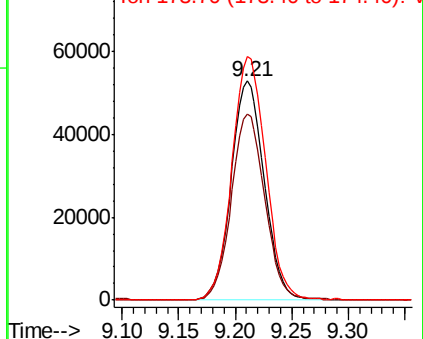
174 113.1 87.1 130.7

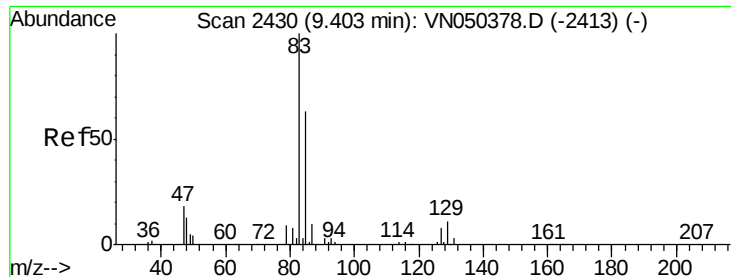


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.44 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

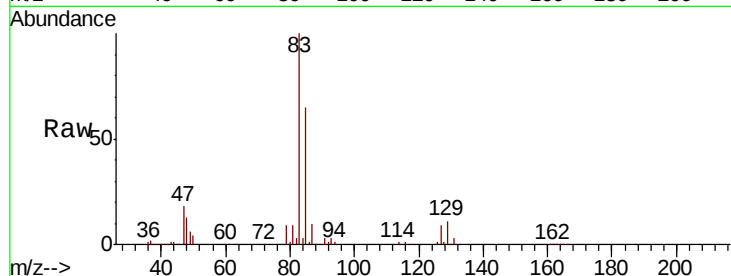
Tot Ion: 83 Resp: 223801

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7

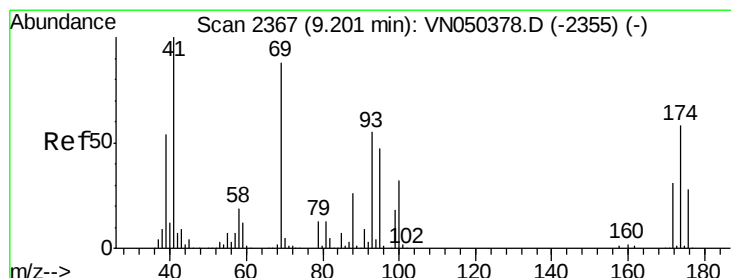
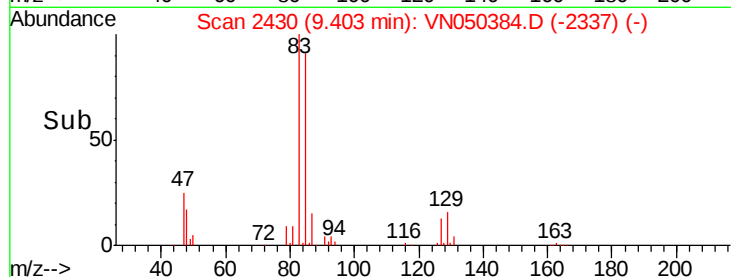
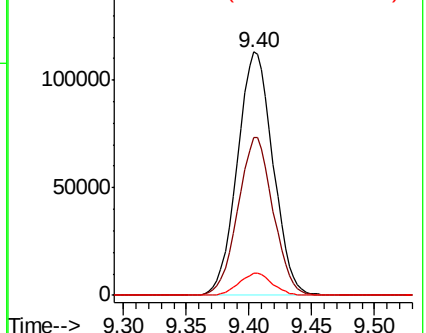
127 8.9 7.0 10.4



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): V



#48

Methyl methacrylate

Concen: 18.99 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

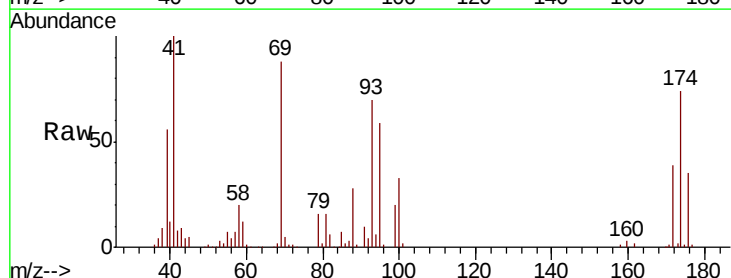
Tgt Ion: 41 Resp: 131751

Ion Ratio Lower Upper

41 100

69 89.7 70.6 105.8

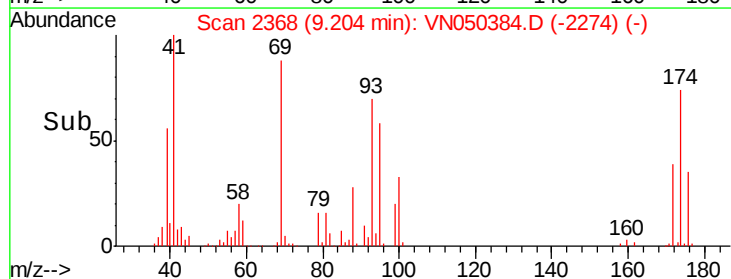
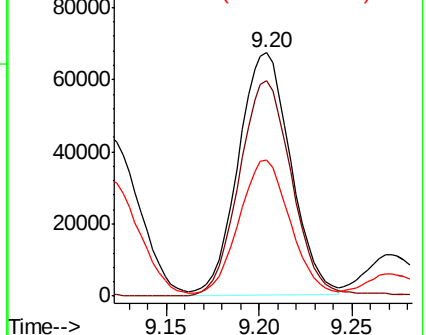
39 55.1 43.9 65.9

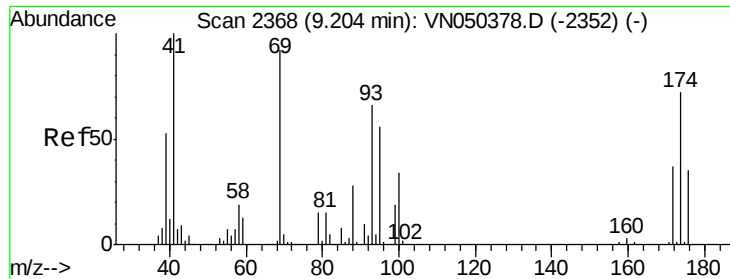


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 382.74 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

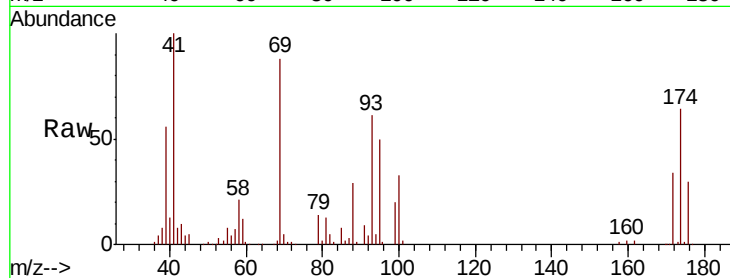
Tot Ion: 88 Resp: 40932

Ion Ratio Lower Upper

88 100

43 31.1 26.9 40.3

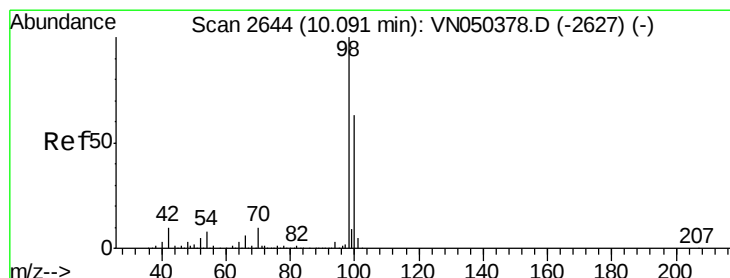
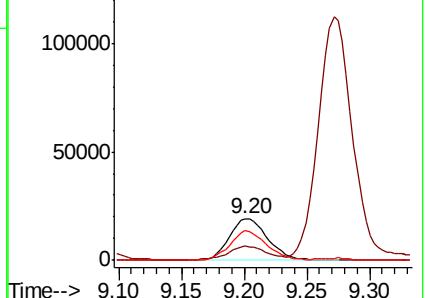
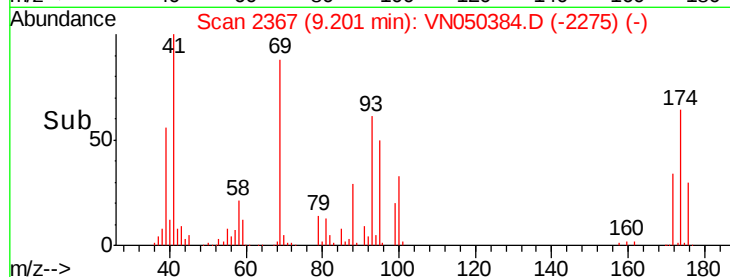
58 68.2 57.3 85.9



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: 49.56 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050384.D

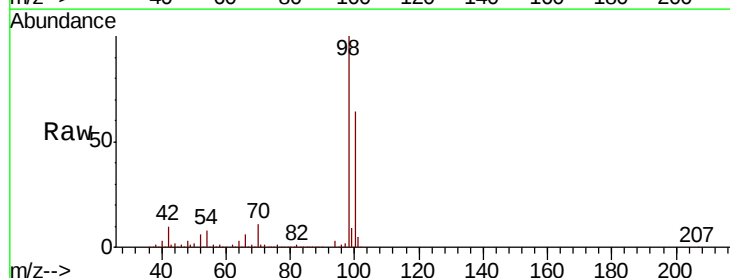
Acq: 6 Aug 2018 15:26

Tgt Ion: 98 Resp: 1515118

Ion Ratio Lower Upper

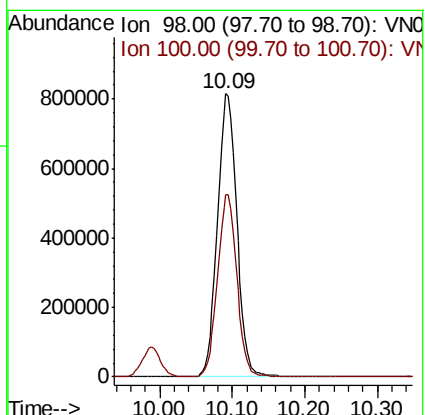
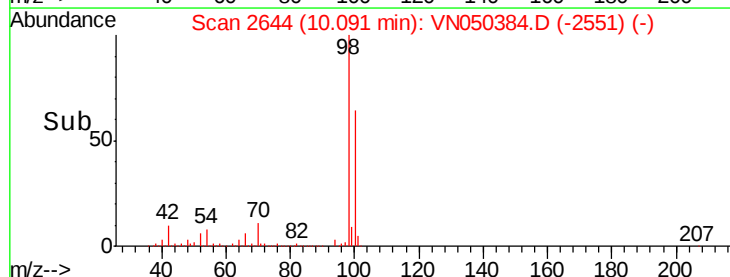
98 100

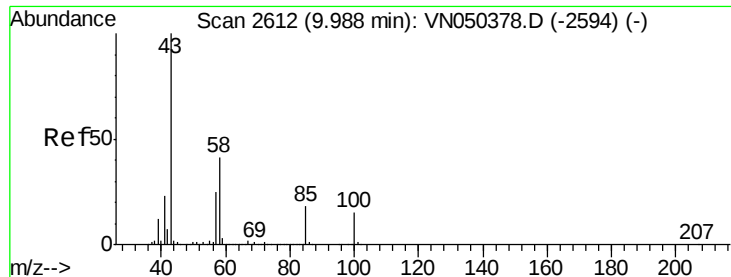
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

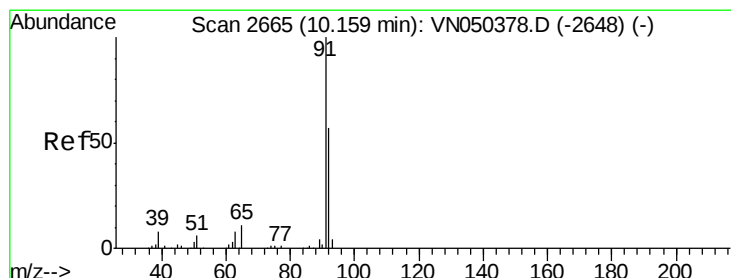
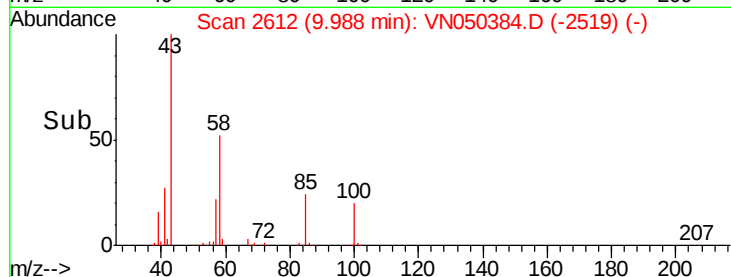
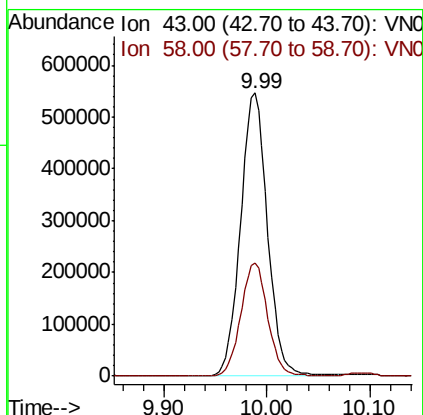
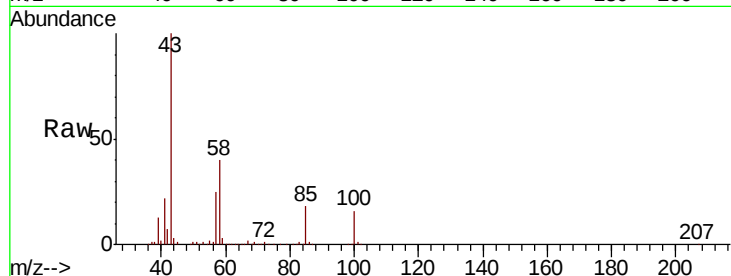




#51
 4-Methyl-2-Pentanone
 Concen: 99.67 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

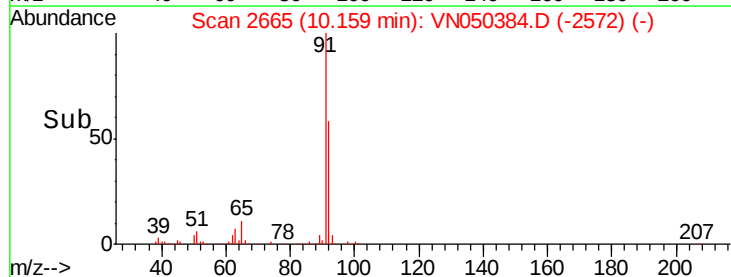
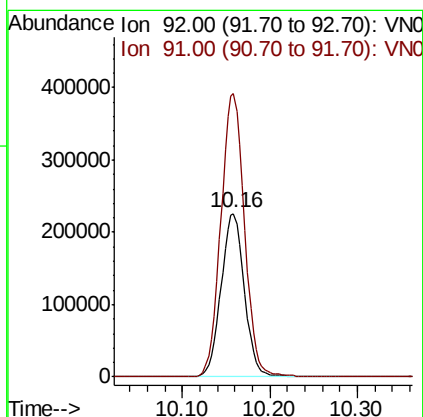
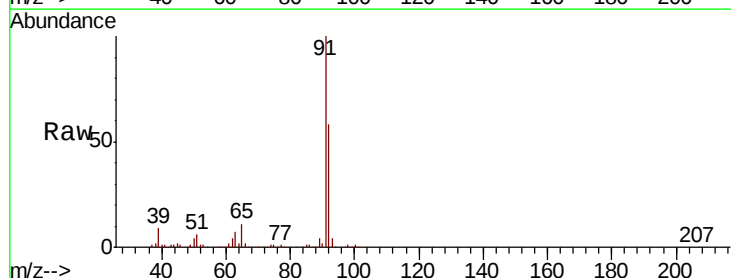
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

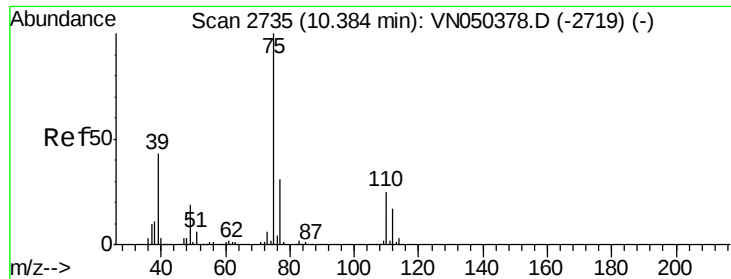
Tot Ion: 43 Resp: 993660
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.9 47.9



#52
 Toluene
 Concen: 20.36 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 92 Resp: 418569
 Ion Ratio Lower Upper
 92 100
 91 175.3 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

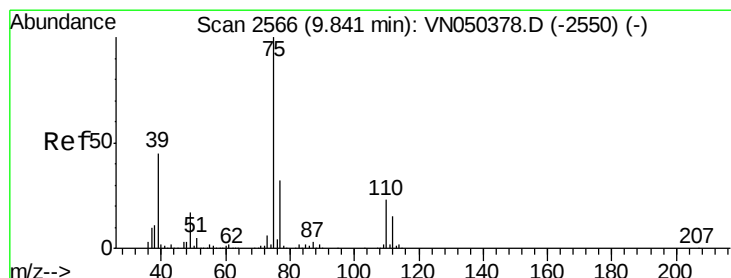
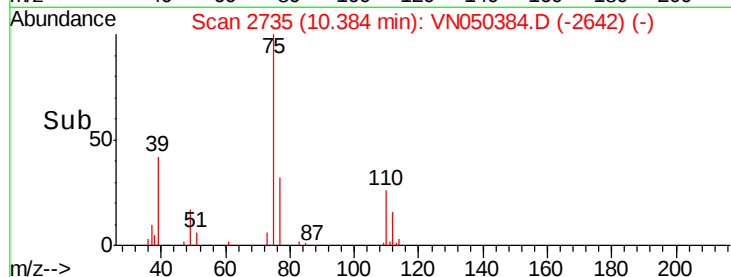
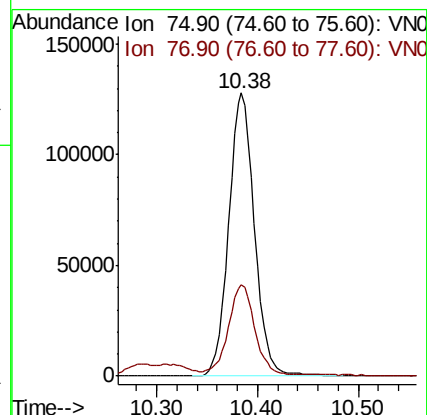
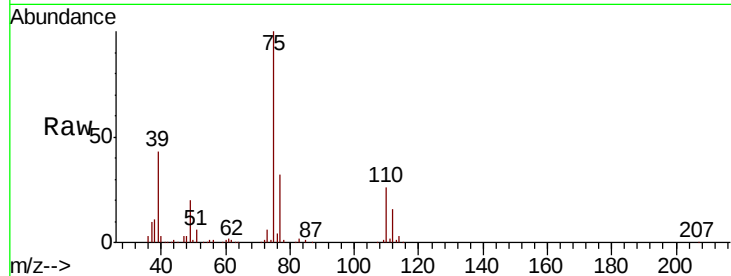
VN0806WBSD01

Tot Ion: 75 Resp: 227332

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.88 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

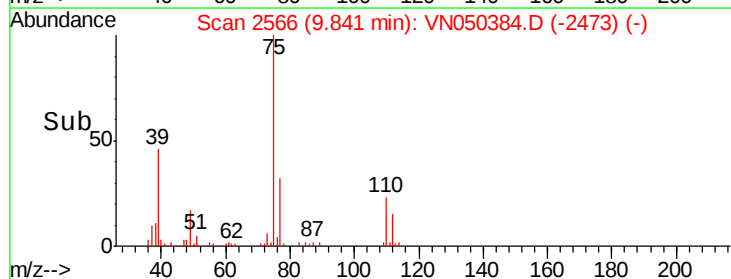
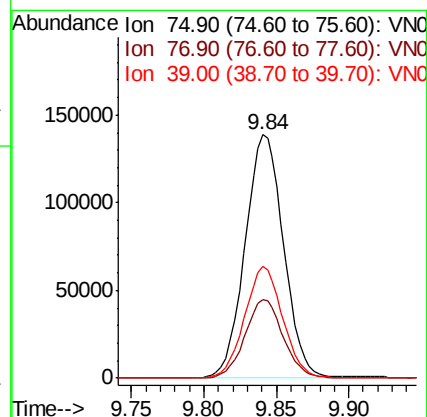
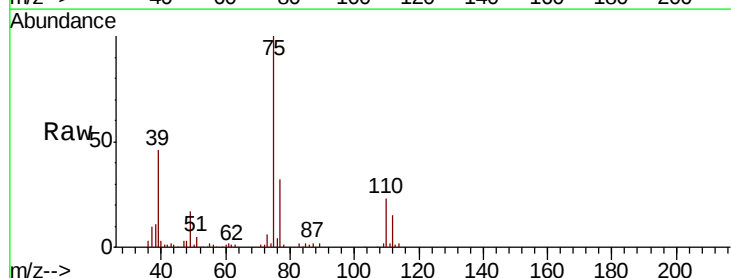
Tgt Ion: 75 Resp: 256449

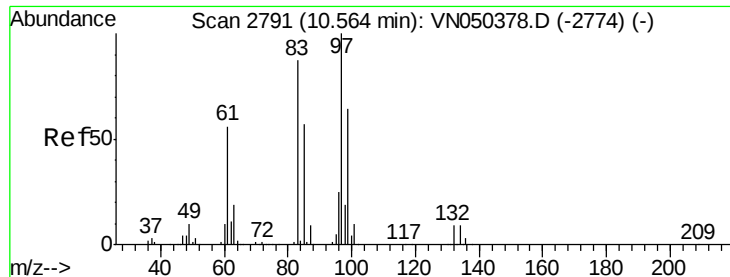
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 45.7 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.64 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

Tot Ion: 97 Resp: 157704

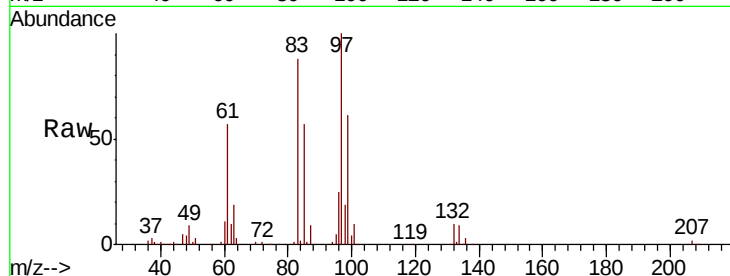
Ion Ratio Lower Upper

97 100

83 87.7 69.2 103.8

85 56.7 44.0 66.0

99 60.4 49.9 74.9

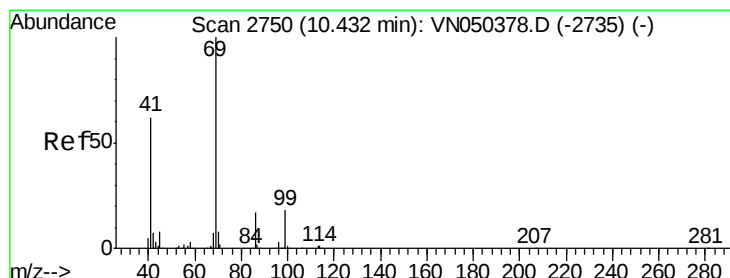
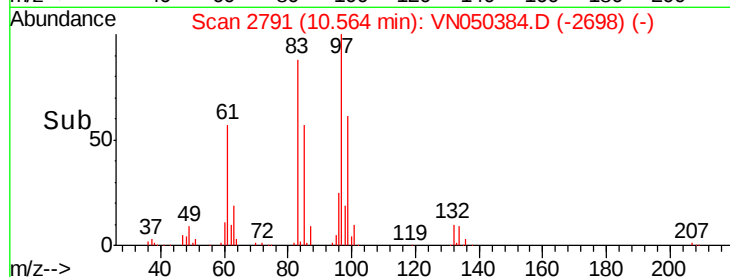
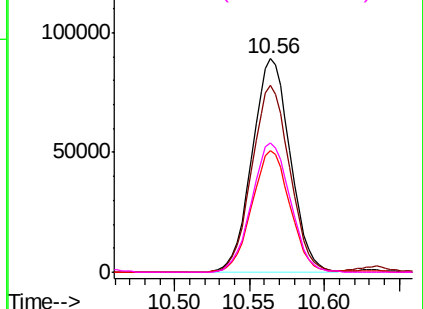


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 18.70 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

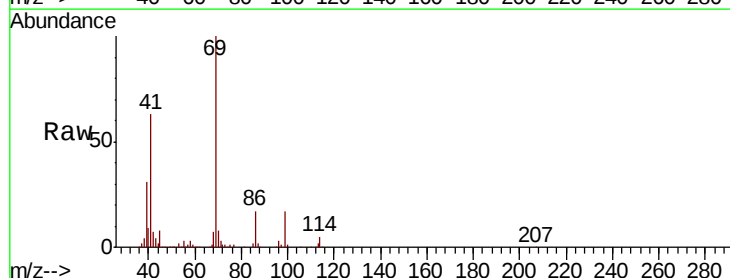
Tgt Ion: 69 Resp: 199869

Ion Ratio Lower Upper

69 100

41 62.3 51.0 76.4

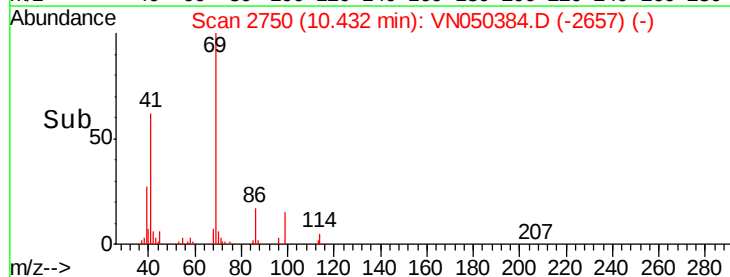
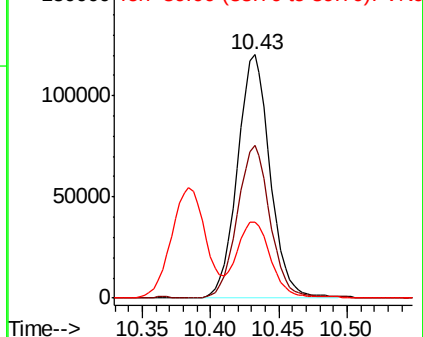
39 32.0 26.6 40.0

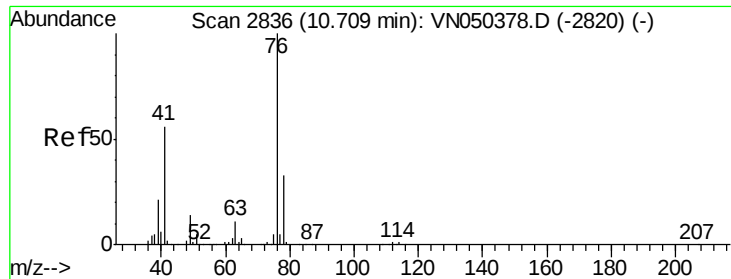


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

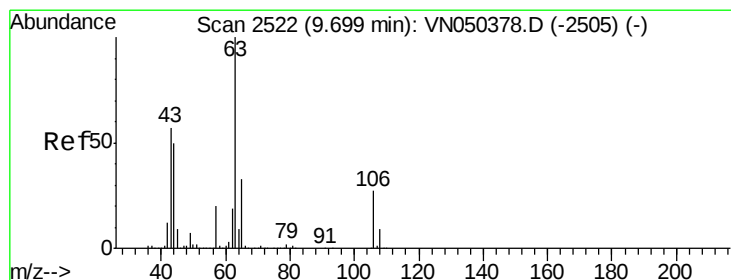
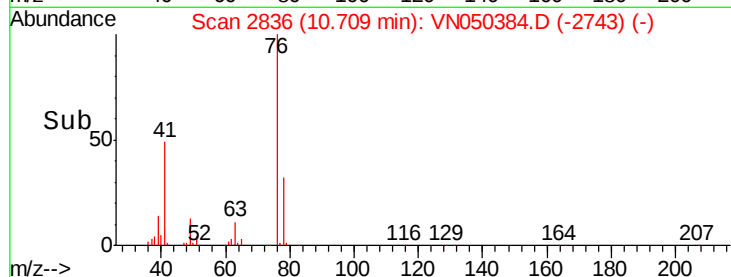
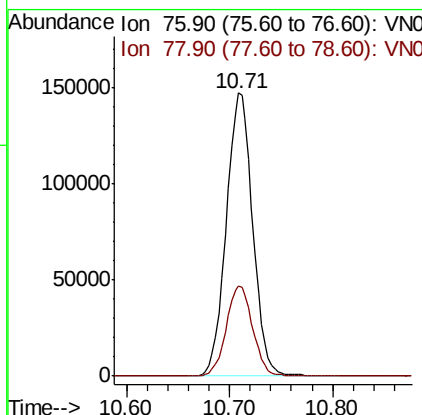
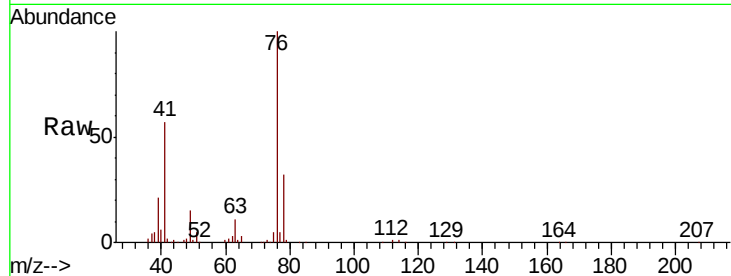




#57
 1,3-Dichloropropane
 Concen: 19.93 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

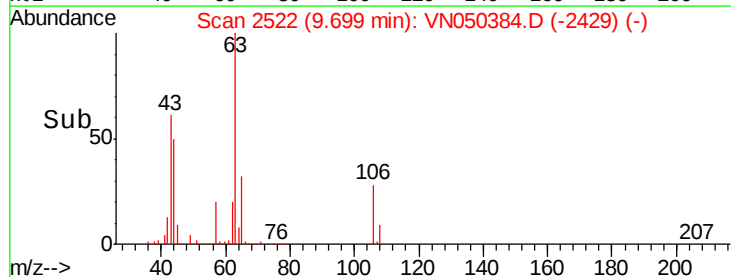
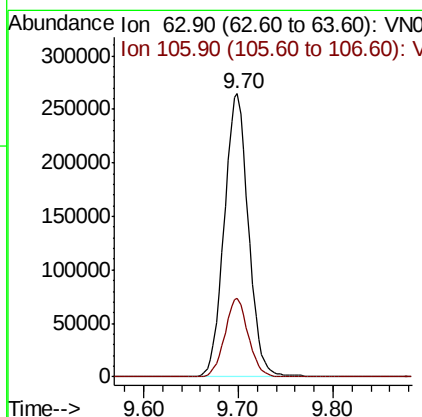
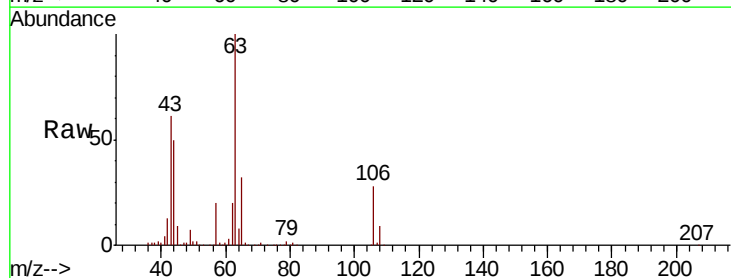
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

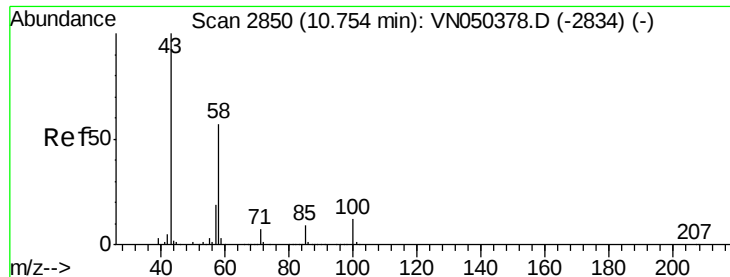
Tot Ion: 76 Resp: 262680
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.72 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 63 Resp: 471067
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

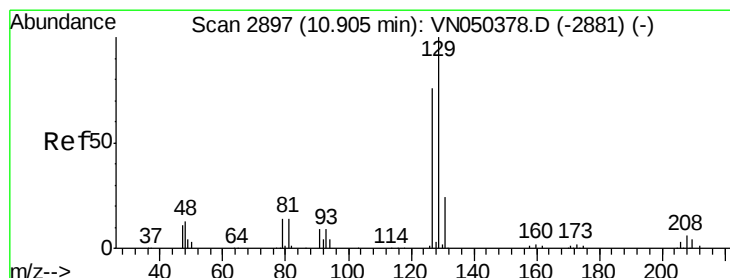
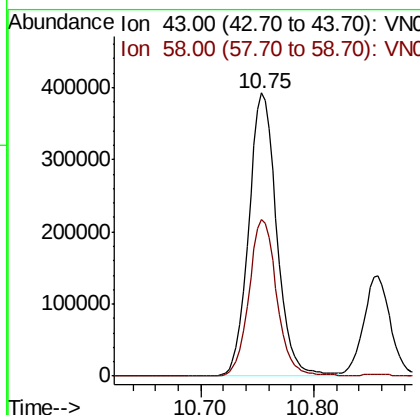
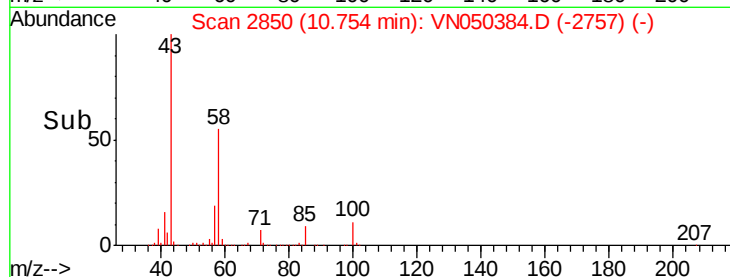
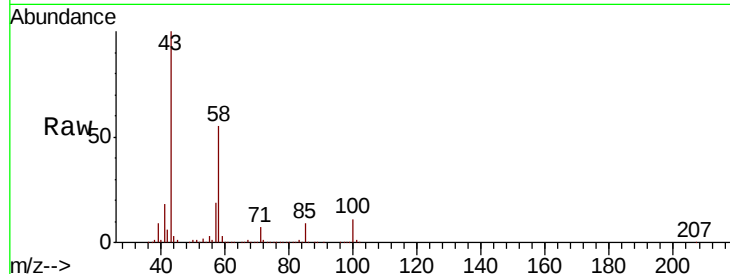




#59
2-Hexanone
Concen: 96.88 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

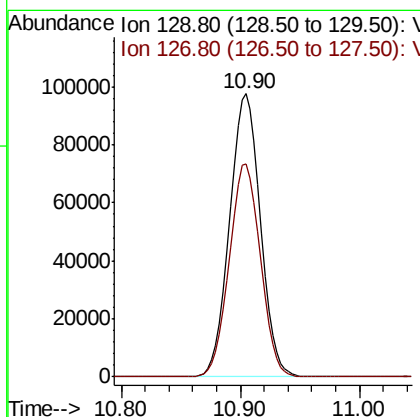
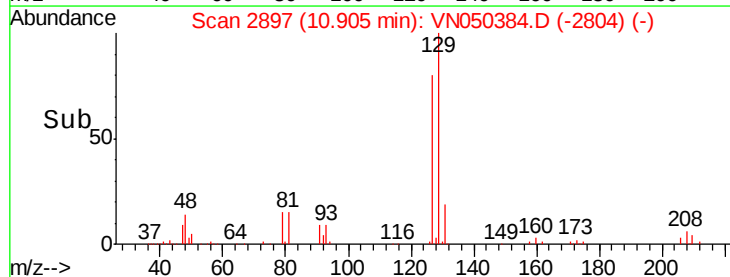
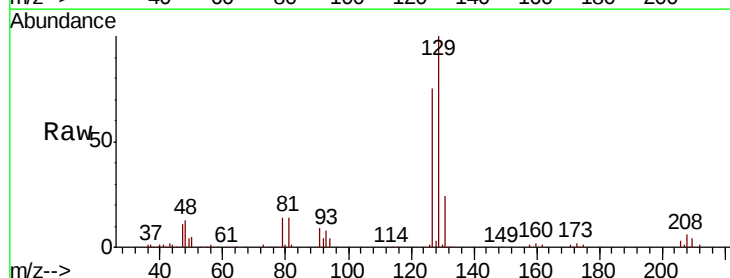
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

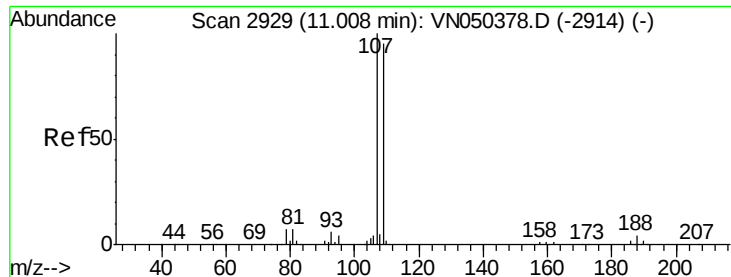
Tot Ion: 43 Resp: 674023
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7



#60
Dibromochloromethane
Concen: 19.77 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 129 Resp: 174839
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

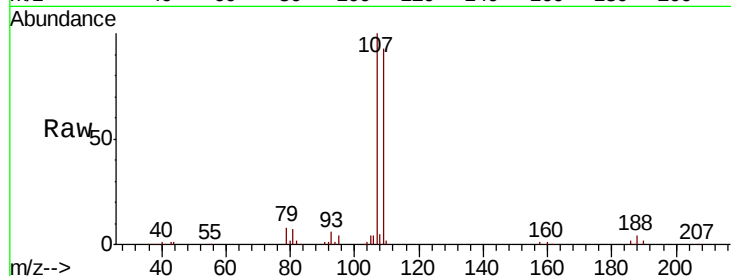
VN0806WBSD01

Tot Ion:107 Resp: 155705

Ion Ratio Lower Upper

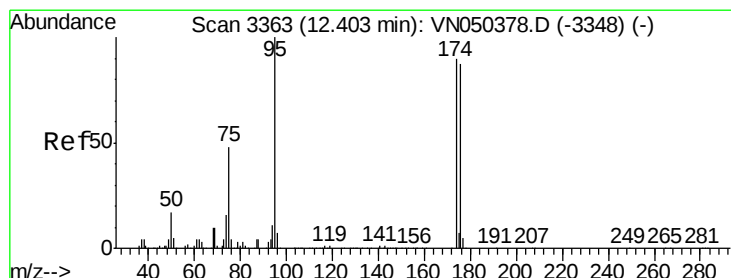
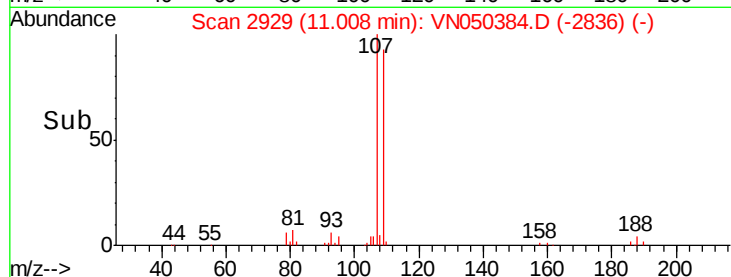
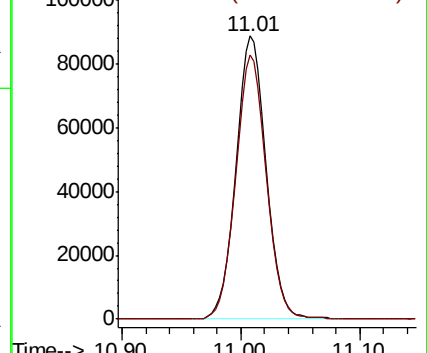
107 100

109 94.3 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: 48.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

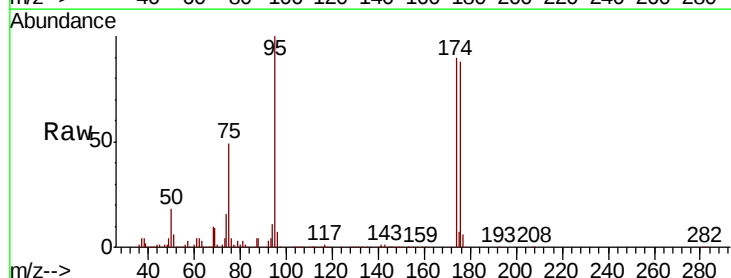
Tgt Ion: 95 Resp: 502920

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.2

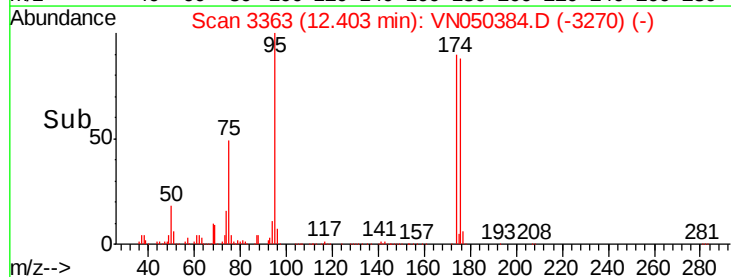
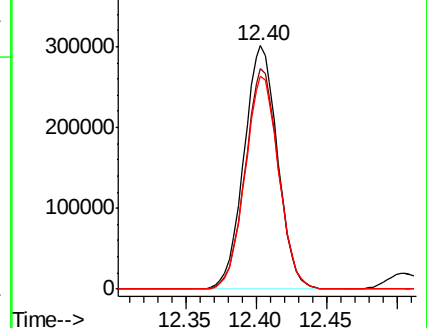
176 87.6 0.0 173.4

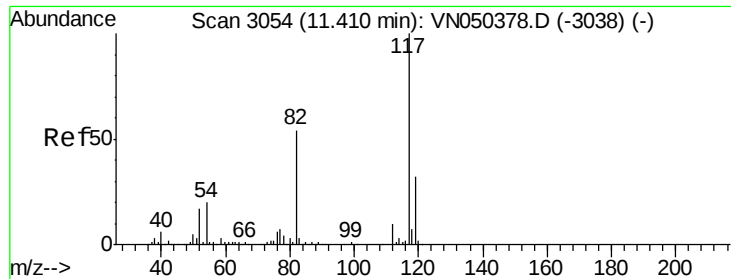


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

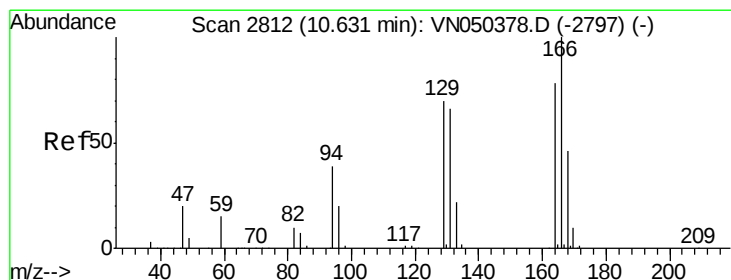
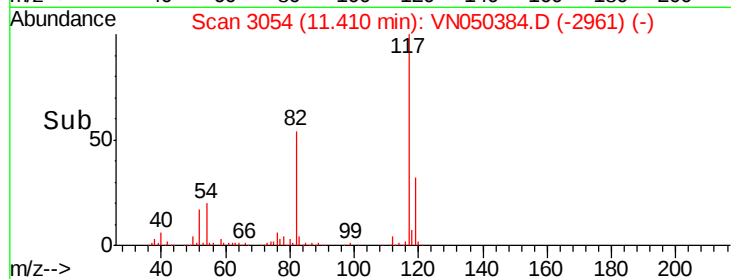
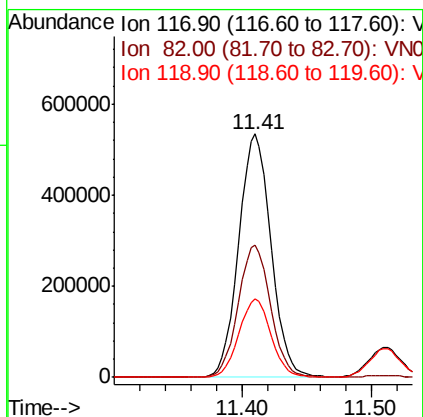
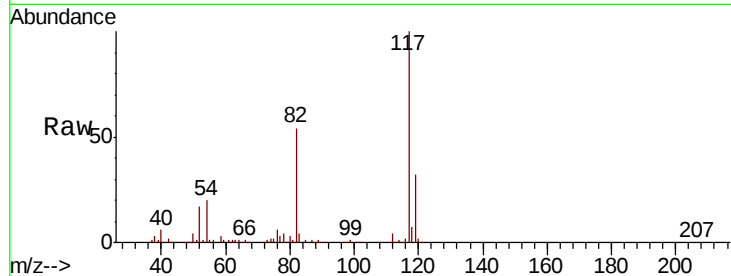




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

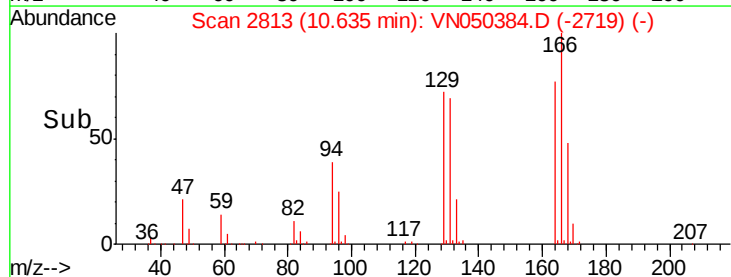
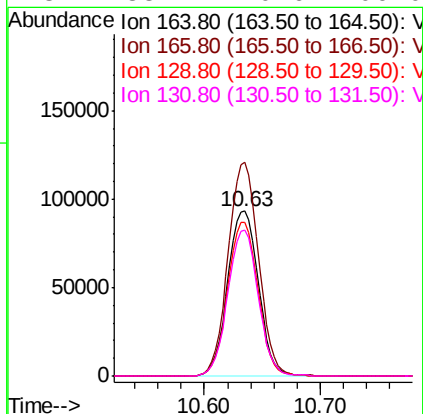
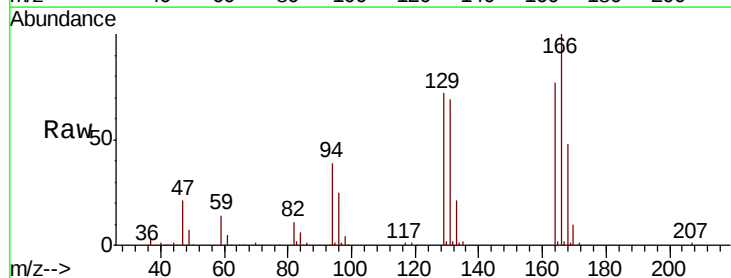
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

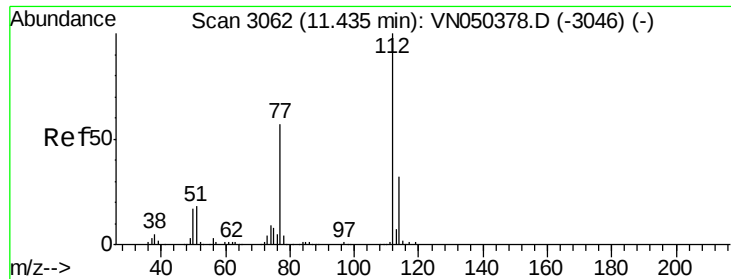
Tot Ion:117 Resp: 932616
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 19.72 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion:164 Resp: 171821
Ion Ratio Lower Upper
164 100
166 129.5 102.1 153.1
129 92.9 73.2 109.8
131 88.7 70.6 106.0

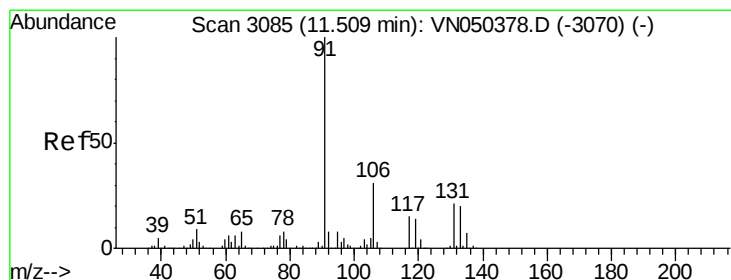
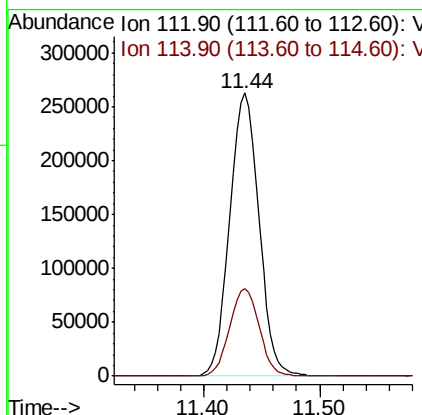
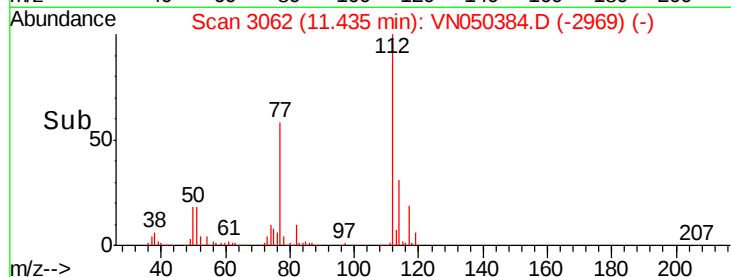
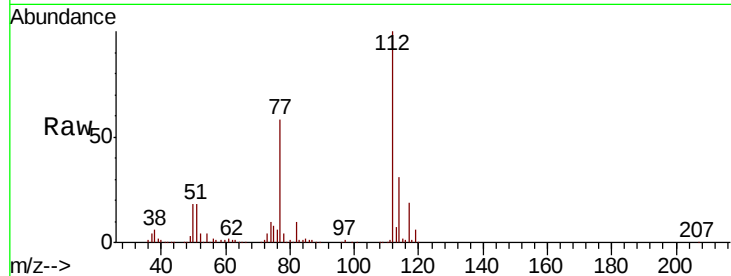




#65
Chlorobenzene
Concen: 19.55 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

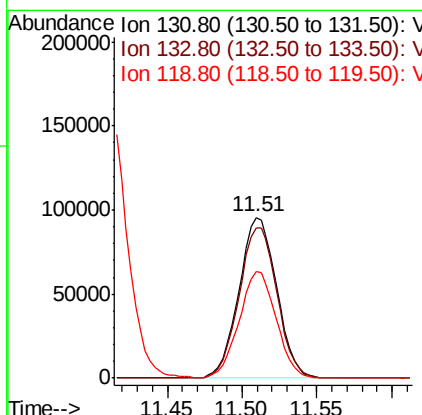
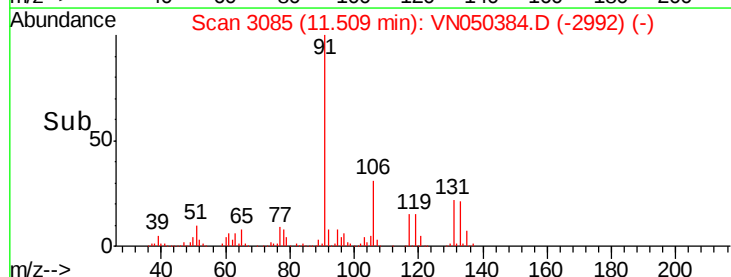
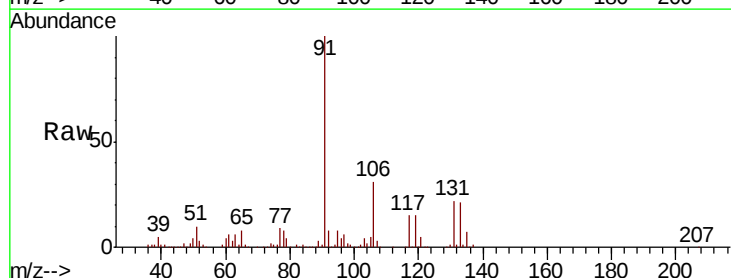
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

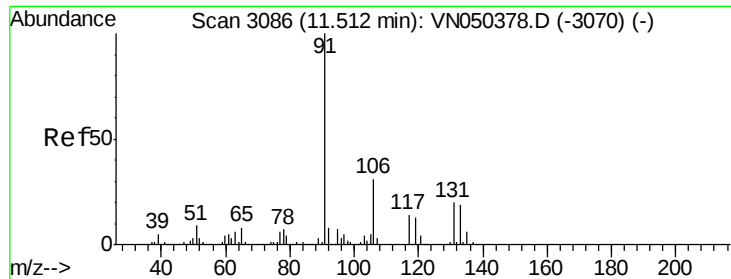
Tot Ion:112 Resp: 457003
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion:131 Resp: 167113
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.9
119 65.2 32.9 98.7





#67

Ethyl Benzene

Concen: 20.17 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

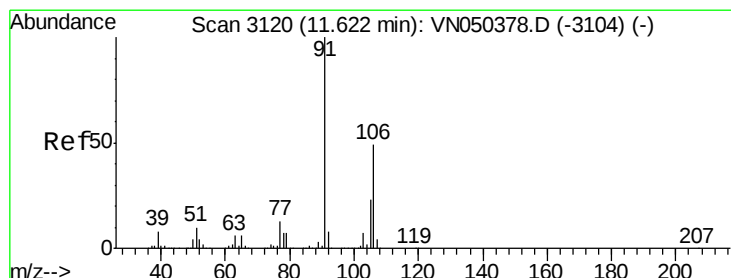
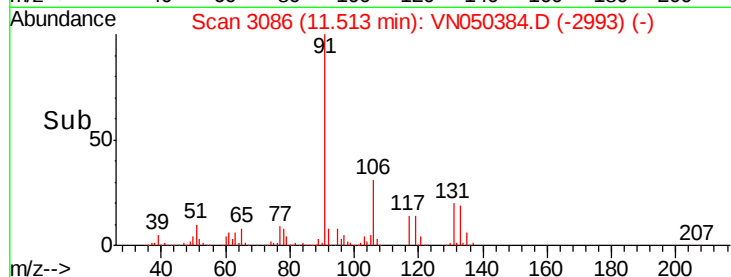
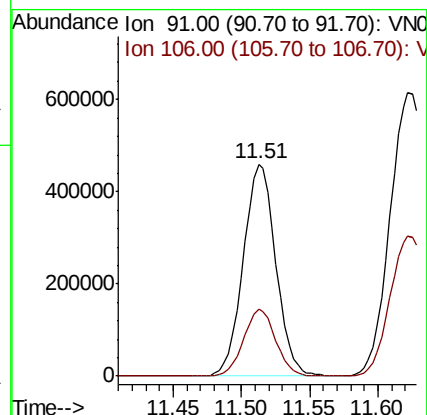
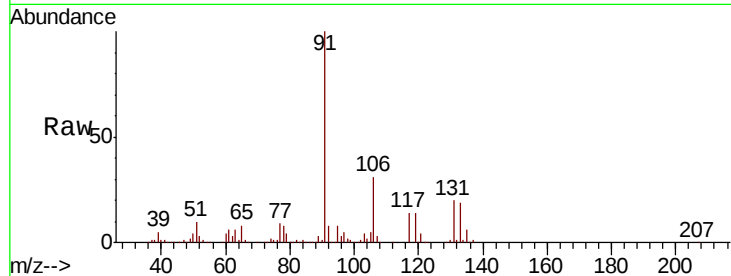
VN0806WBSD01

Tot Ion: 91 Resp: 762197

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



#68

m/p-Xylenes

Concen: 41.38 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050384.D

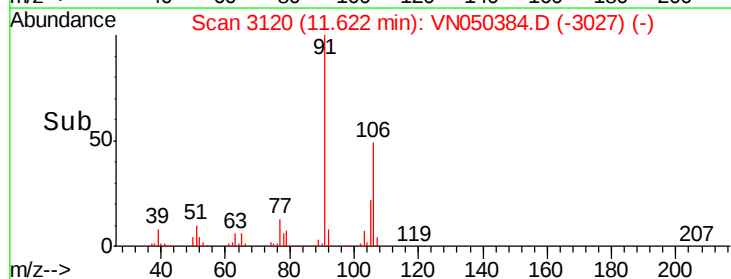
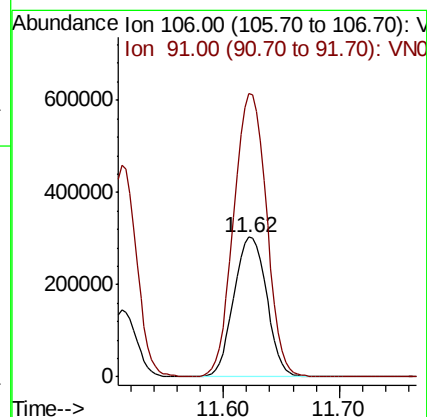
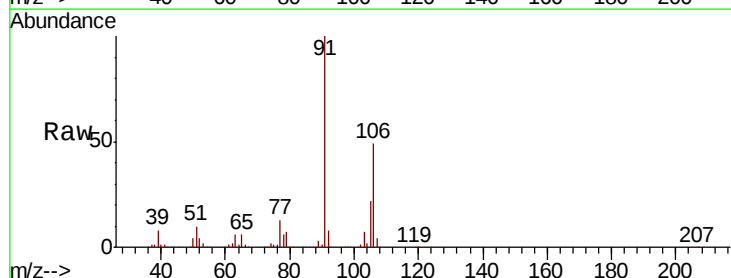
Acq: 6 Aug 2018 15:26

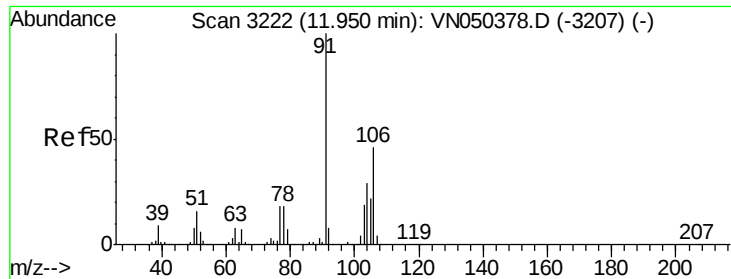
Tgt Ion: 106 Resp: 595368

Ion Ratio Lower Upper

106 100

91 202.0 162.2 243.2

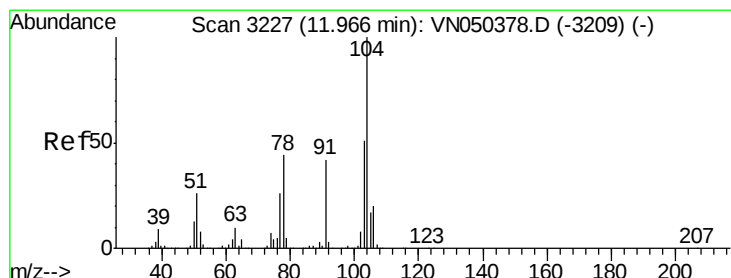
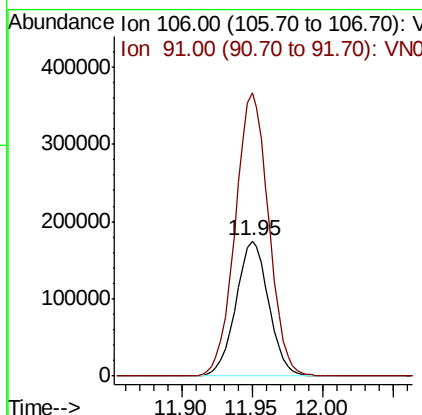
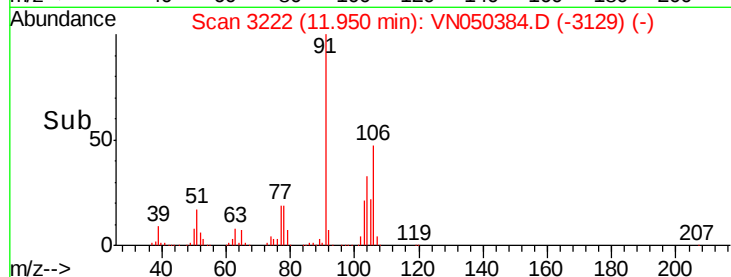
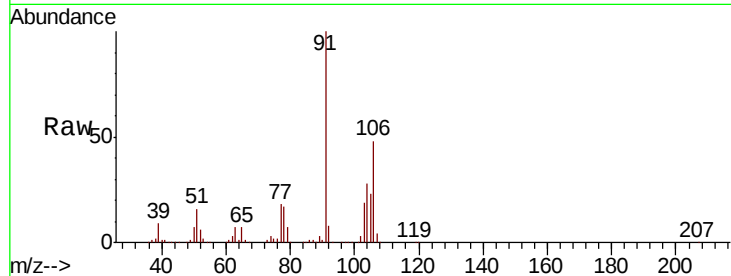




#69
o-Xylene
Concen: 20.58 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

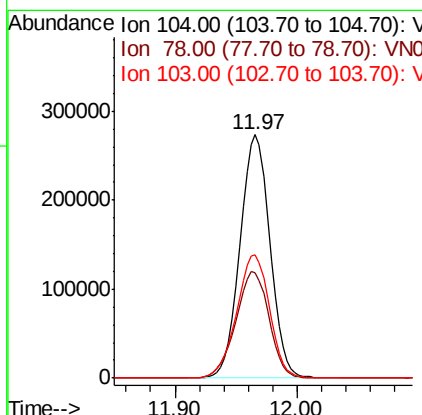
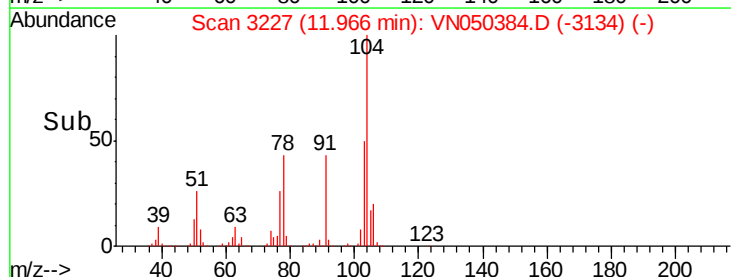
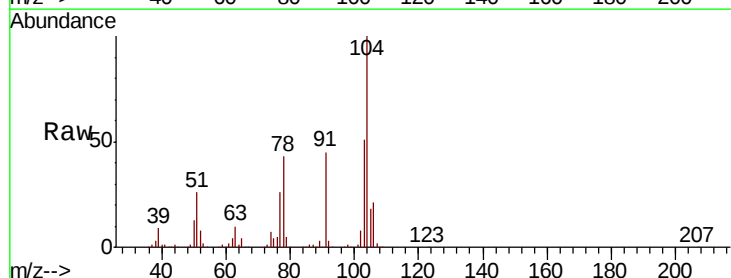
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

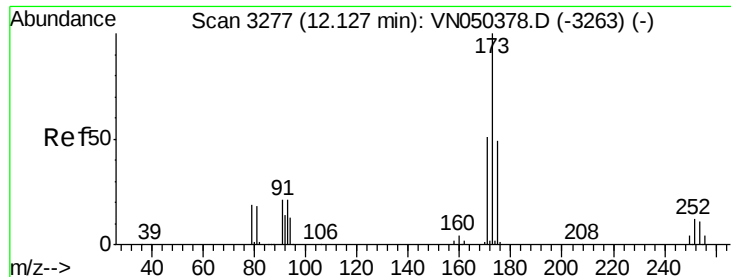
Tot Ion:106 Resp: 285262
Ion Ratio Lower Upper
106 100
91 212.8 107.7 323.1



#70
Styrene
Concen: 20.51 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion:104 Resp: 462169
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 55.8 45.0 67.6

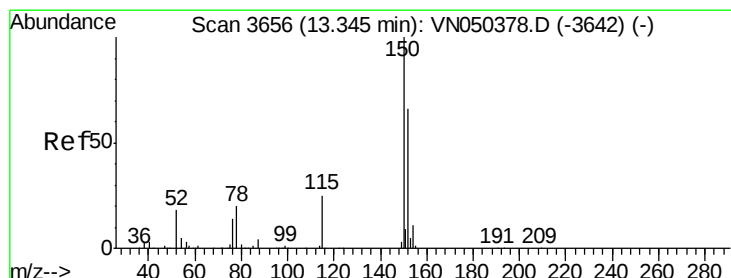
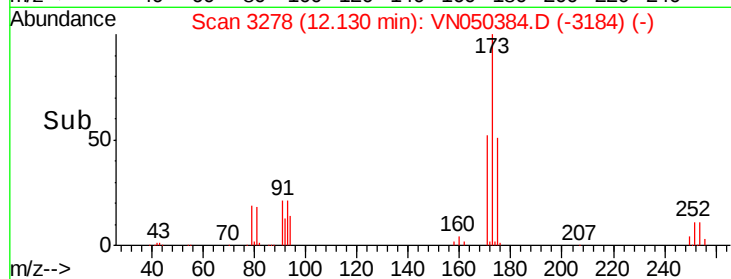
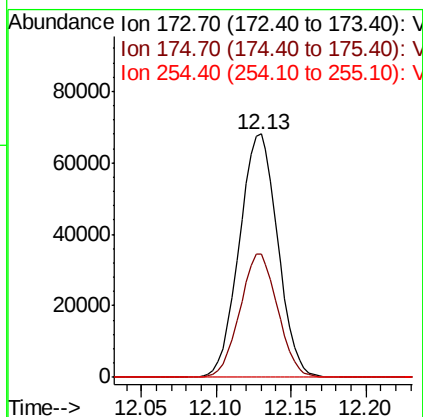
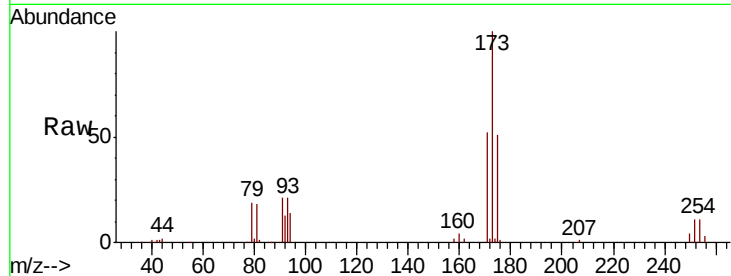




#71
Bromoform
Concen: 19.56 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

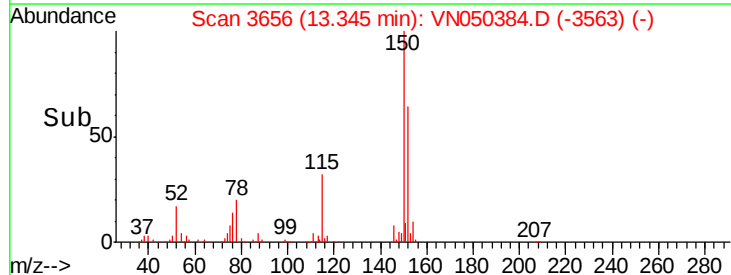
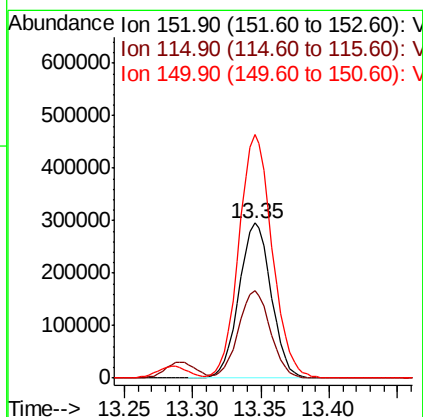
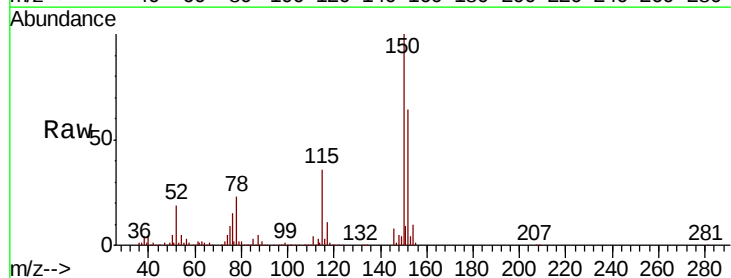
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

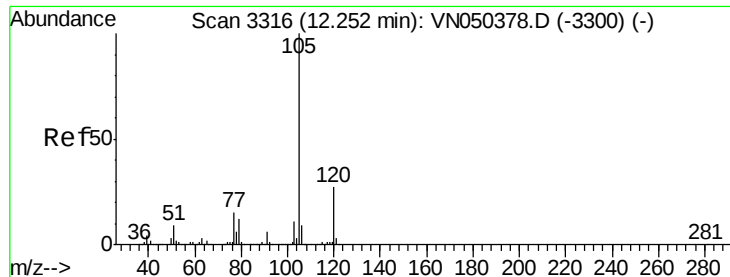
Tot Ion:173 Resp: 121645
Ion Ratio Lower Upper
173 100
175 49.7 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion:152 Resp: 482721
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 162.9 0.0 348.6





#73

Isopropylbenzene

Concen: 20.73 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

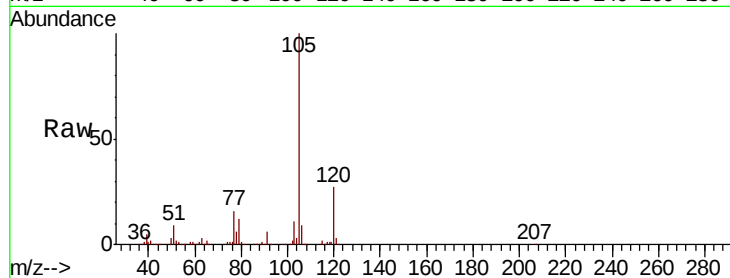
VN0806WBSD01

Tot Ion:105 Resp: 751011

Ion Ratio Lower Upper

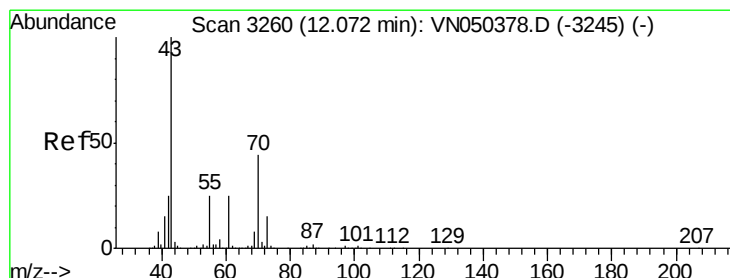
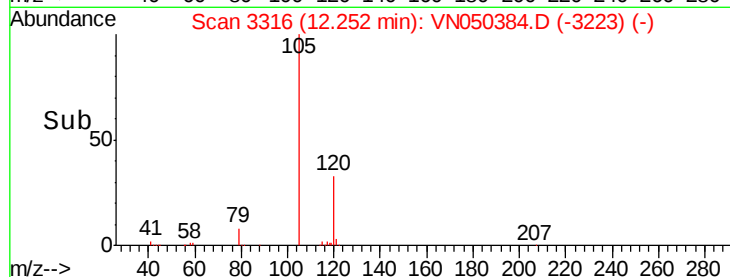
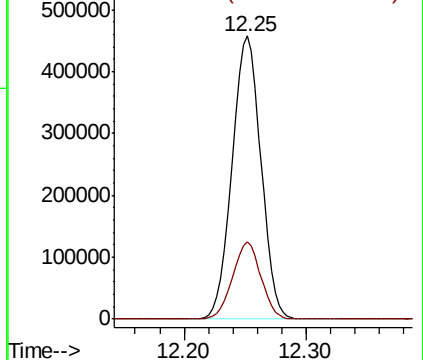
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion: 43 Resp: 232649

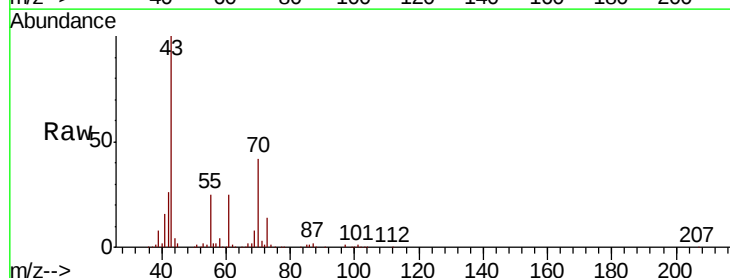
Ion Ratio Lower Upper

43 100

70 42.6 34.4 51.6

55 26.2 20.8 31.2

61 24.7 19.7 29.5

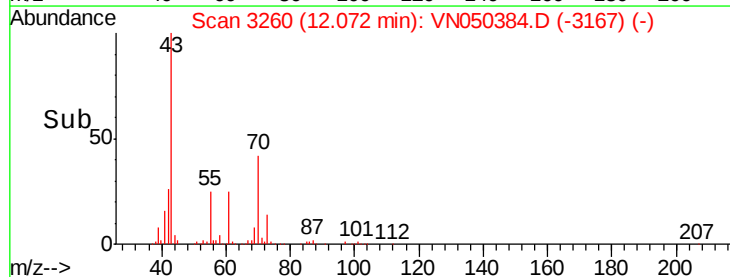
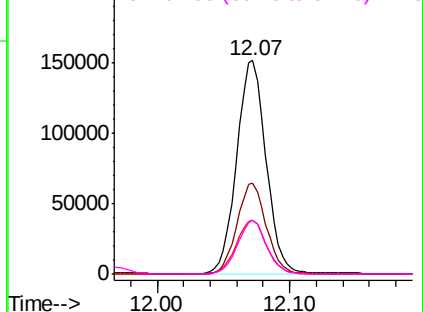


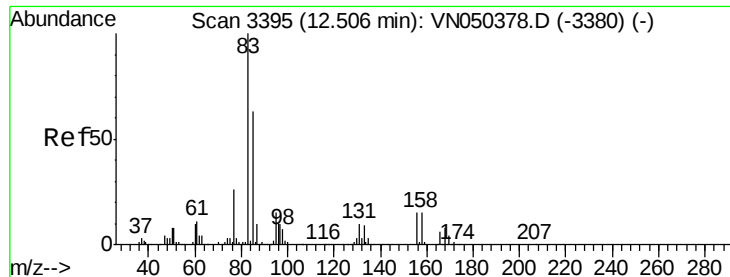
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

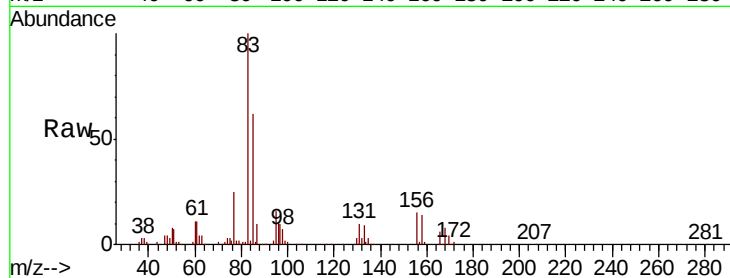
Tot Ion: 83 Resp: 209001

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

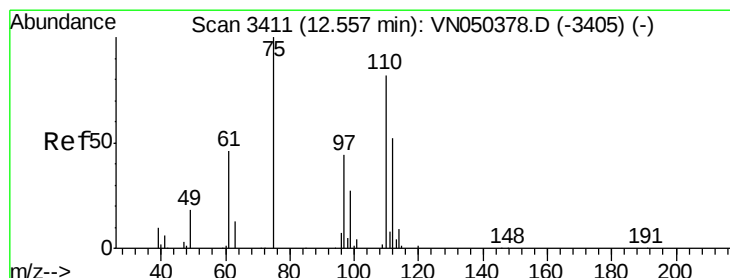
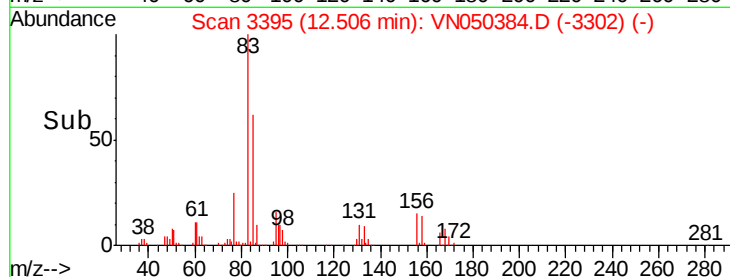
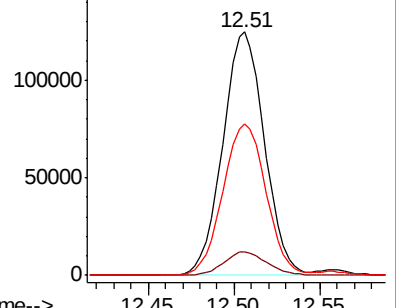
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 28.44 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050384.D

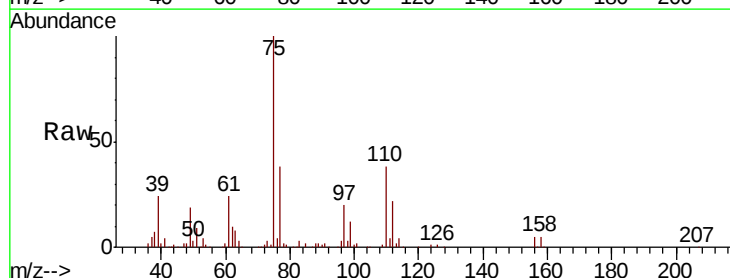
Acq: 6 Aug 2018 15:26

Tgt Ion: 75 Resp: 248510

Ion Ratio Lower Upper

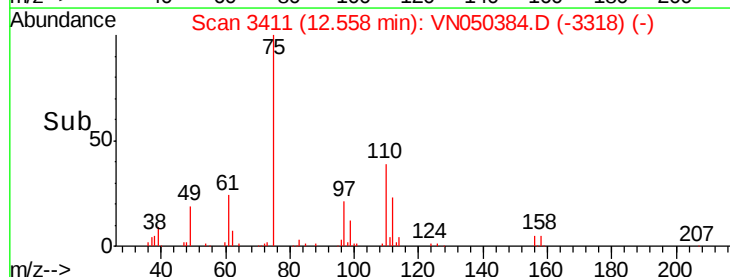
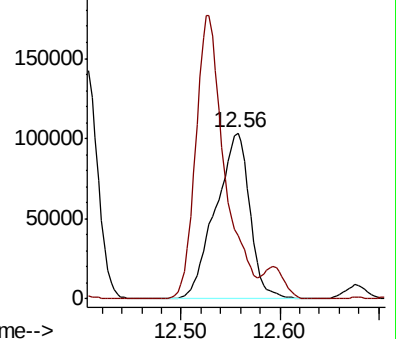
75 100

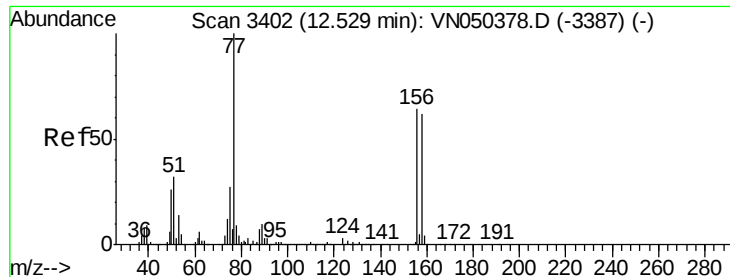
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.38 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

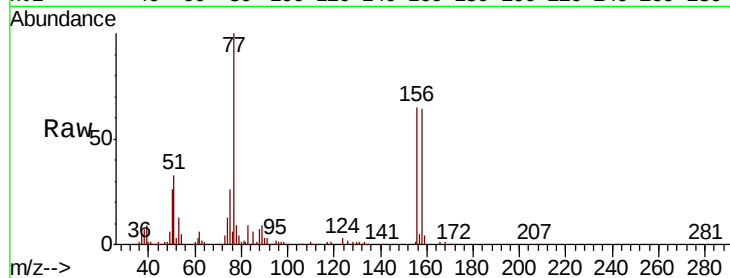
Tot Ion:156 Resp: 197859

Ion Ratio Lower Upper

156 100

77 183.5 91.7 275.1

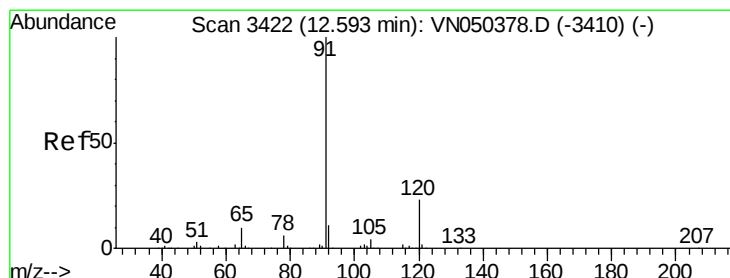
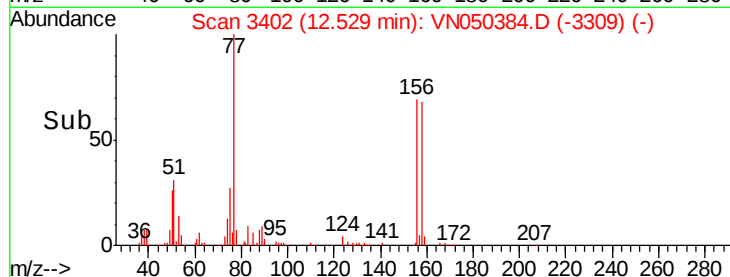
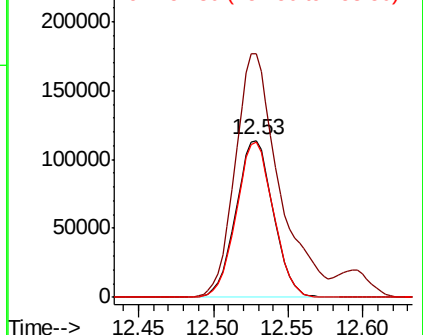
158 98.0 48.9 146.6



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: 20.94 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050384.D

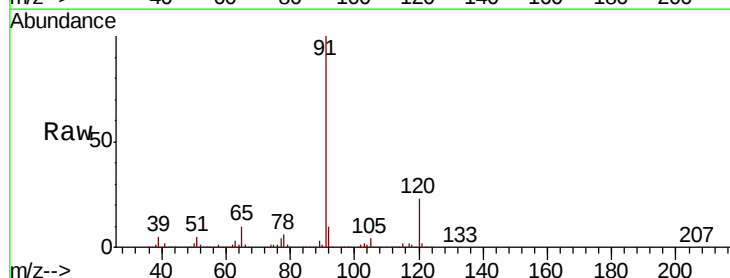
Acq: 6 Aug 2018 15:26

Tgt Ion: 91 Resp: 858897

Ion Ratio Lower Upper

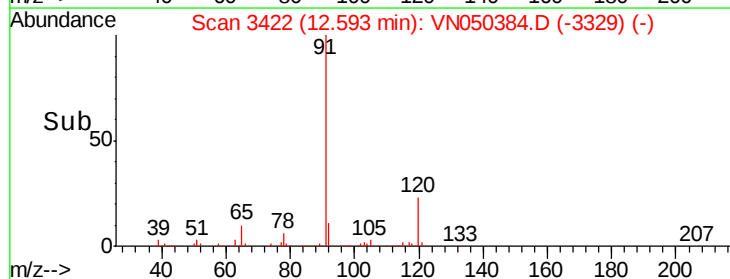
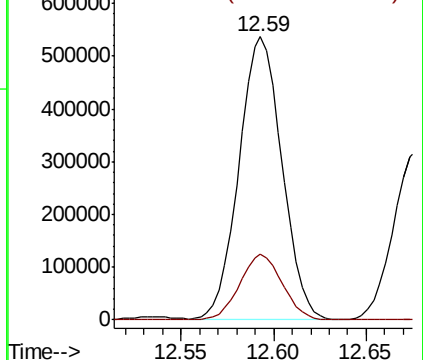
91 100

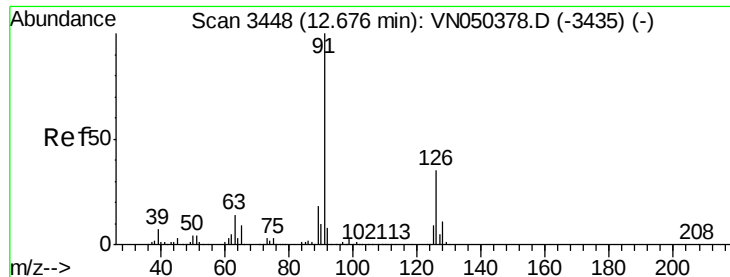
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

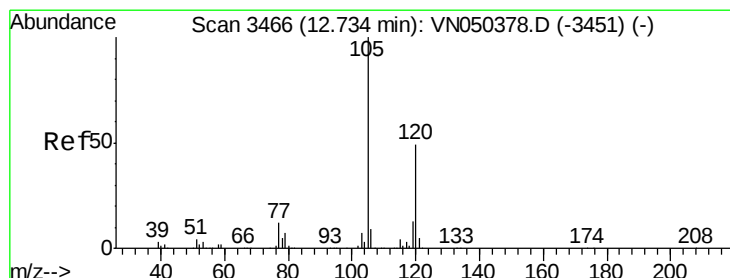
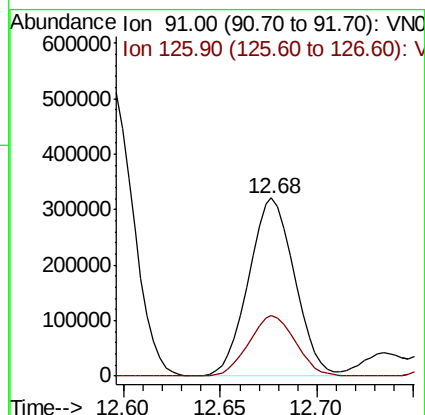
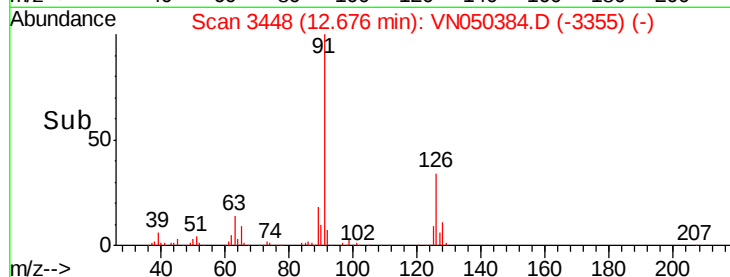
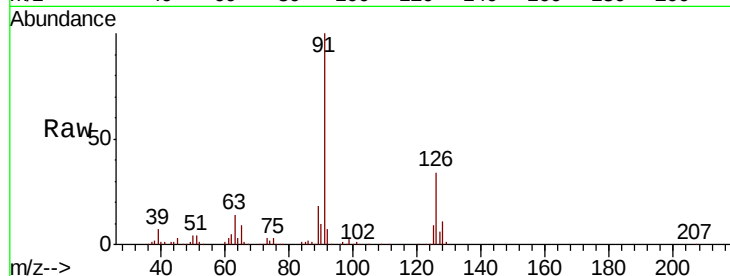
VN0806WBSD01

Tot Ion: 91 Resp: 527489

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050384.D

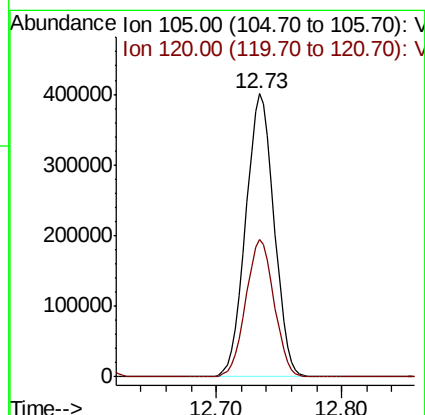
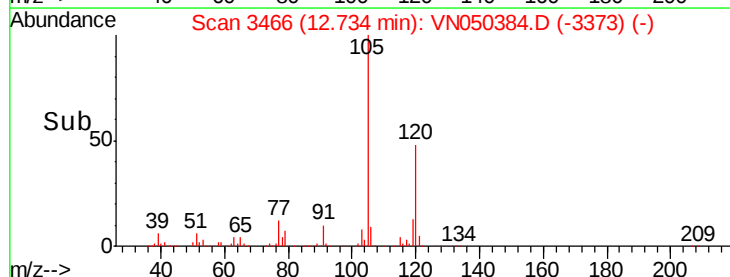
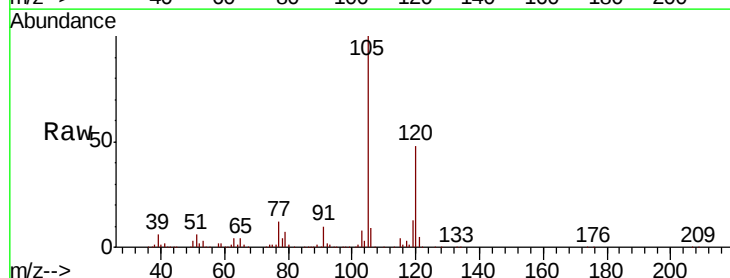
Acq: 6 Aug 2018 15:26

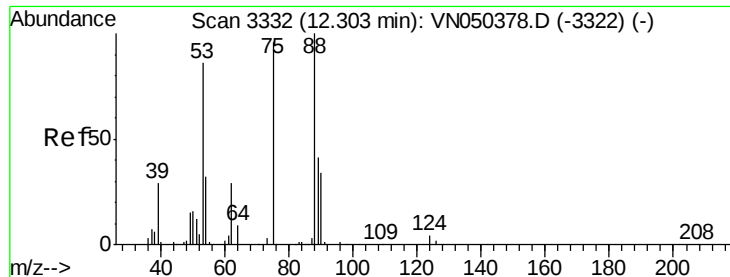
Tgt Ion:105 Resp: 628987

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.02 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

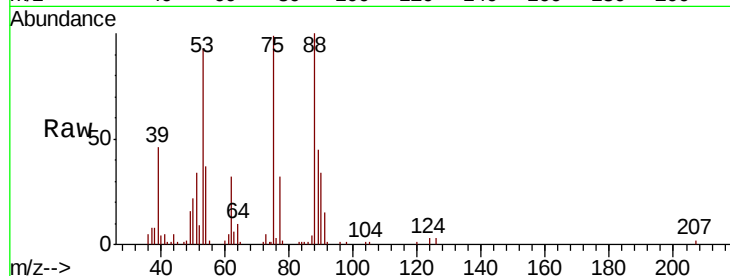
Tot Ion: 75 Resp: 49787

Ion Ratio Lower Upper

75 100

53 94.6 73.5 110.3

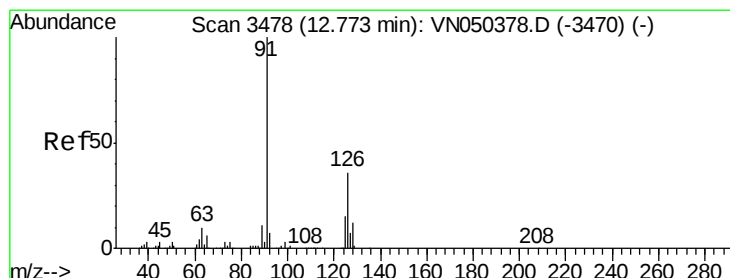
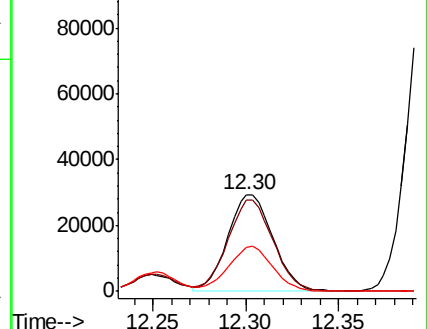
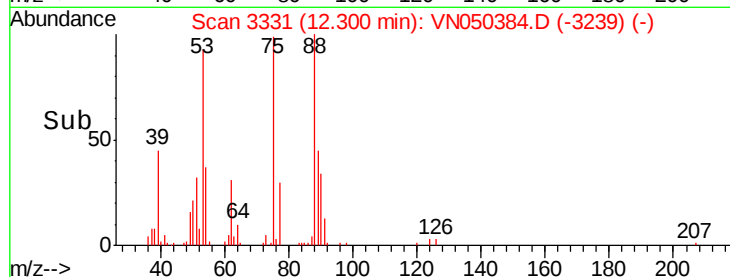
89 44.9 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.72 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050384.D

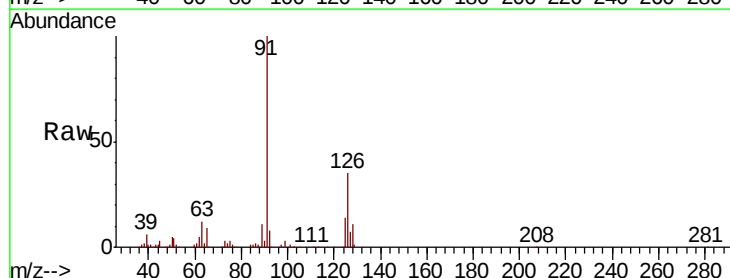
Acq: 6 Aug 2018 15:26

Tgt Ion: 91 Resp: 523444

Ion Ratio Lower Upper

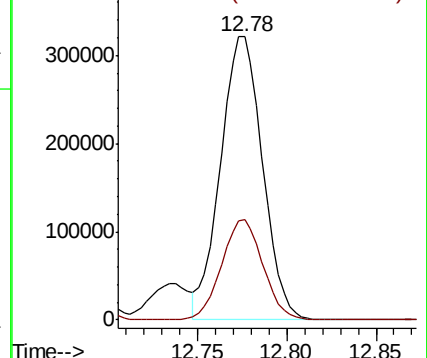
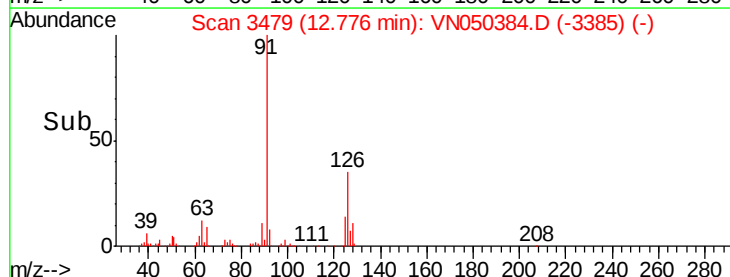
91 100

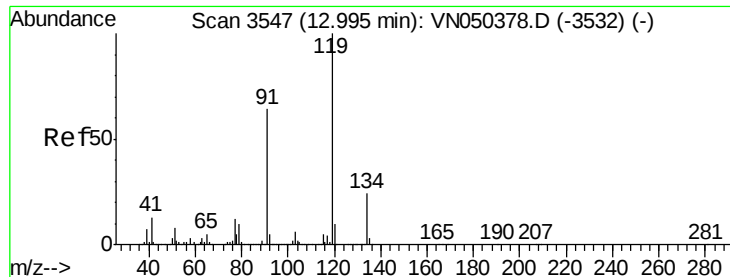
126 34.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.75 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

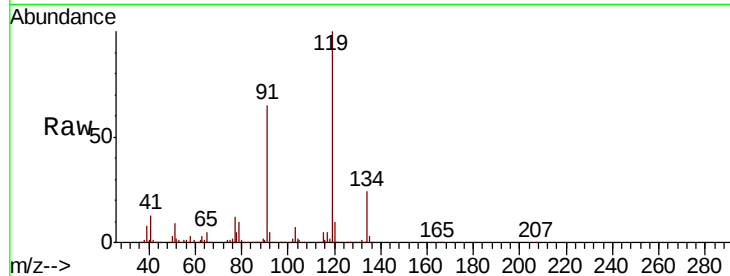
Tot Ion:119 Resp: 532519

Ion Ratio Lower Upper

119 100

91 64.1 32.1 96.3

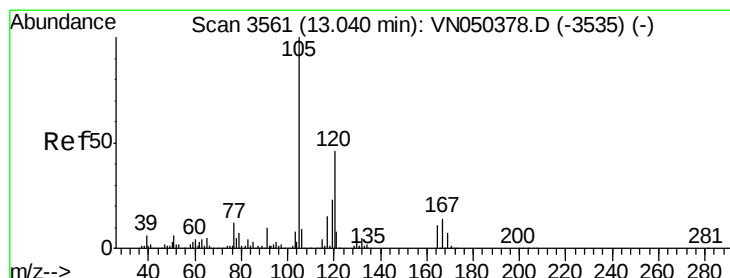
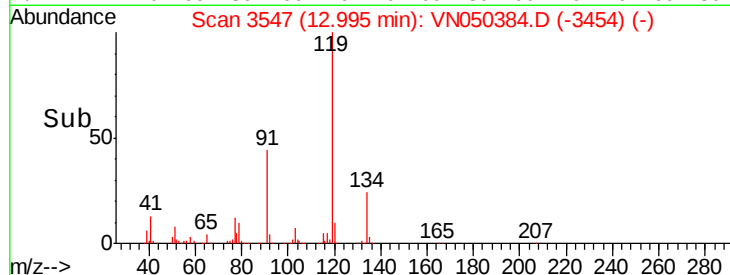
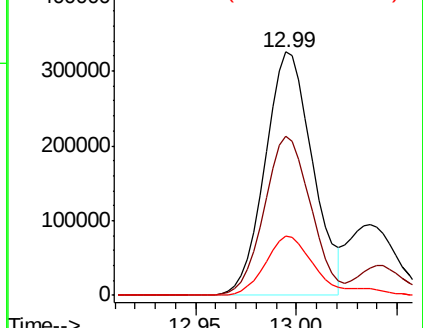
134 26.4 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.36 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050384.D

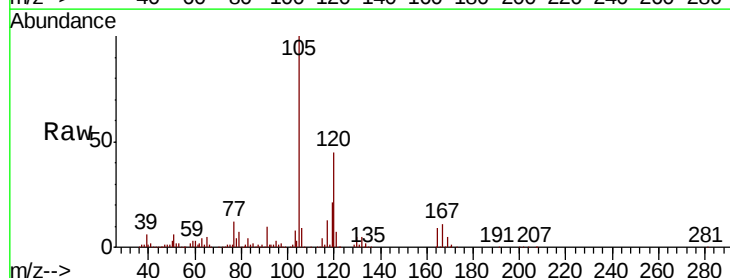
Acq: 6 Aug 2018 15:26

Tgt Ion:105 Resp: 636326

Ion Ratio Lower Upper

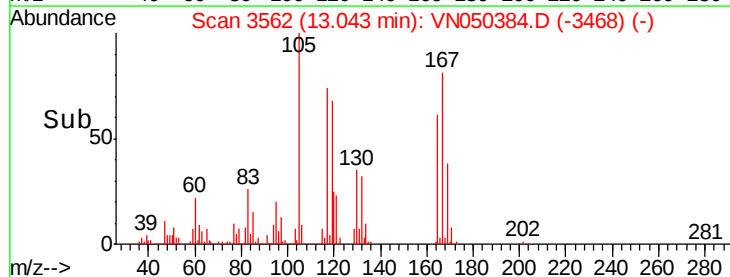
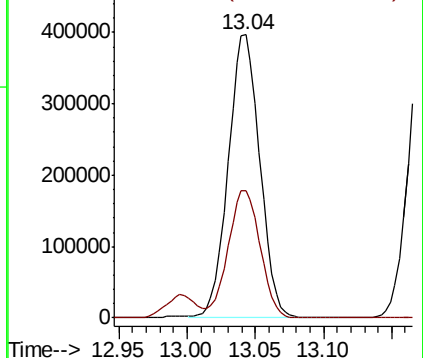
105 100

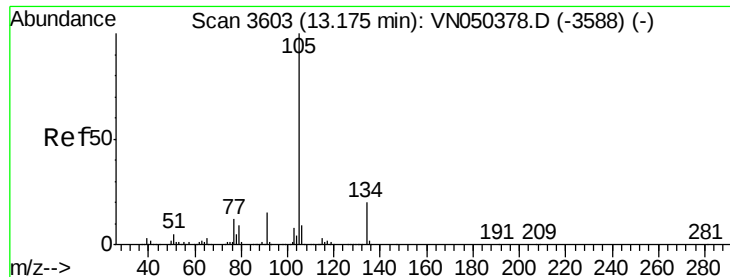
120 45.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.69 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

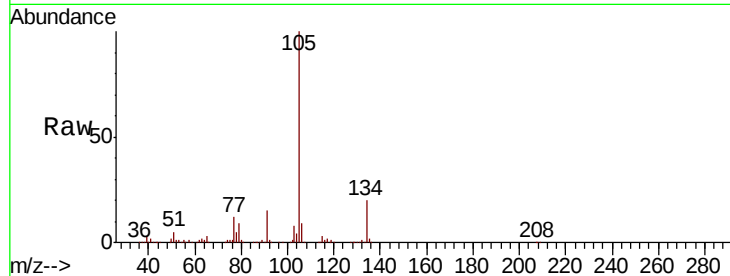
VN0806WBSD01

Tot Ion:105 Resp: 707499

Ion Ratio Lower Upper

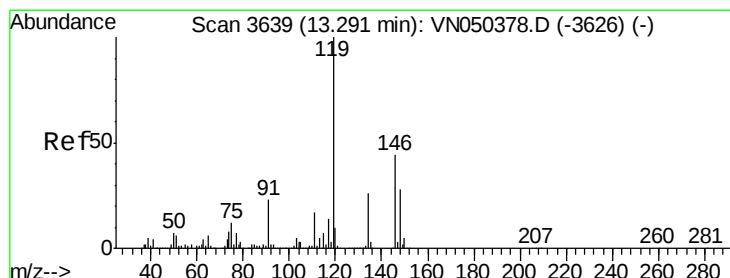
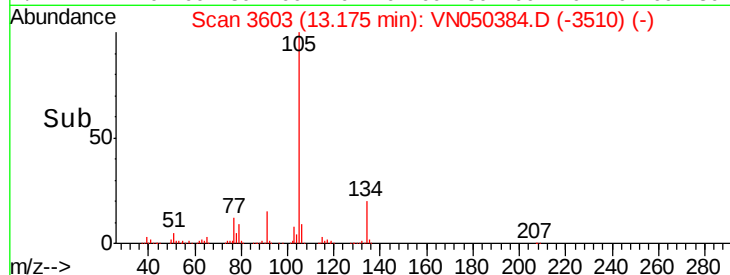
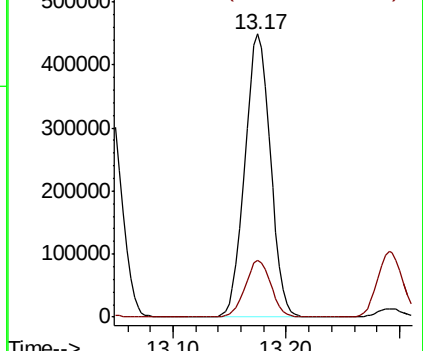
105 100

134 20.1 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: 20.78 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

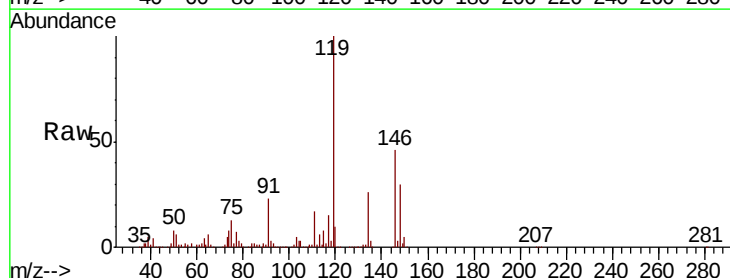
Tgt Ion:119 Resp: 609194

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

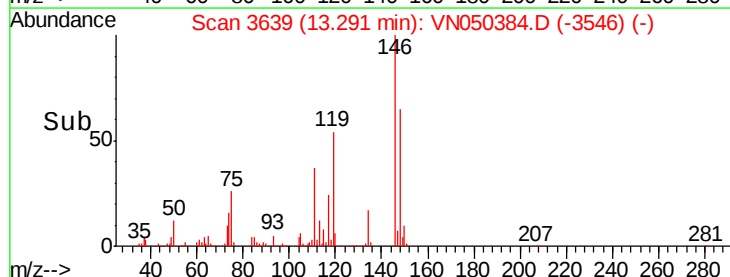
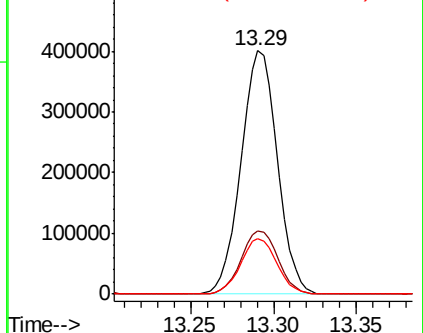
91 22.7 11.4 34.2

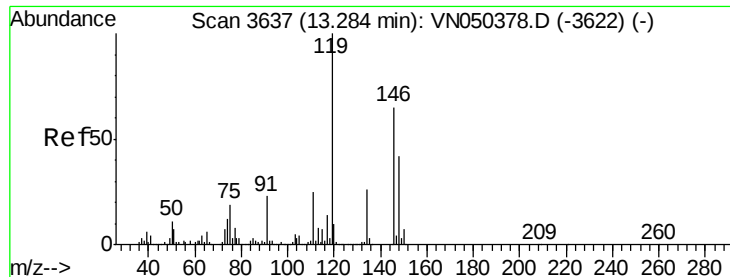


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.76 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

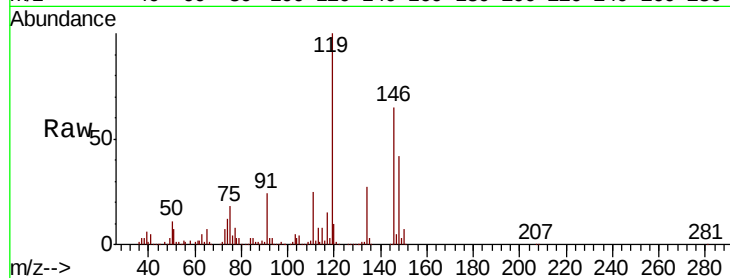
Tot Ion:146 Resp: 341694

Ion Ratio Lower Upper

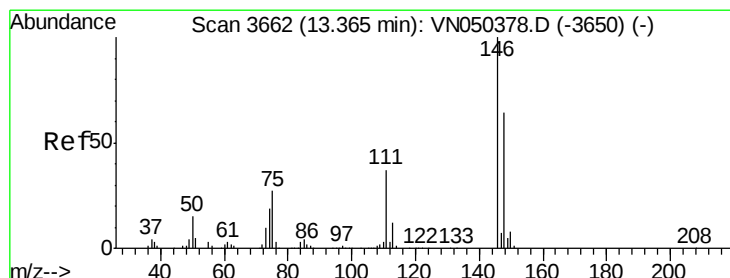
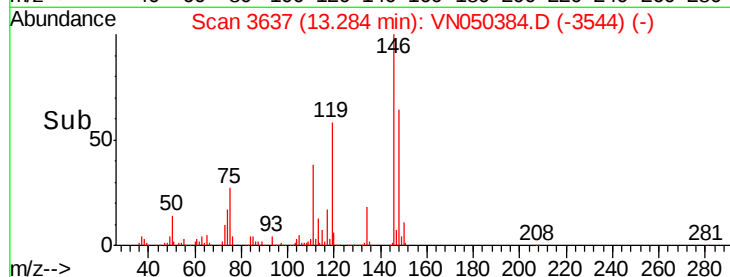
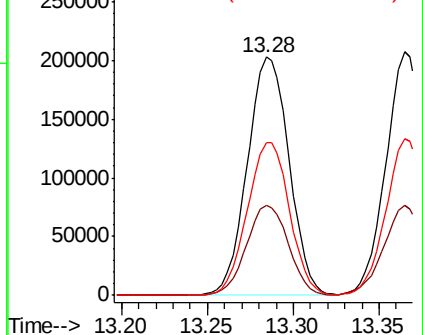
146 100

111 38.1 18.8 56.4

148 64.8 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: 19.38 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

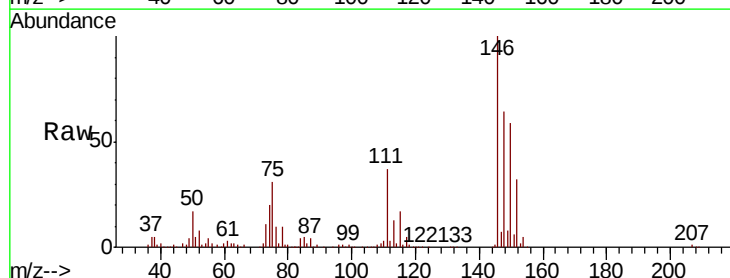
Tgt Ion:146 Resp: 334671

Ion Ratio Lower Upper

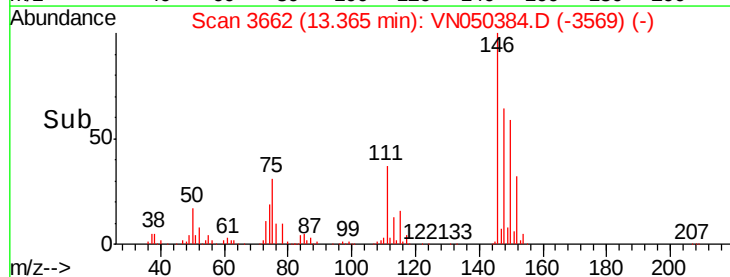
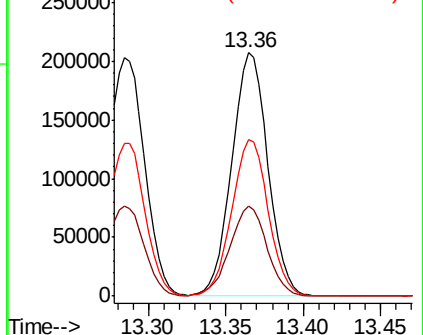
146 100

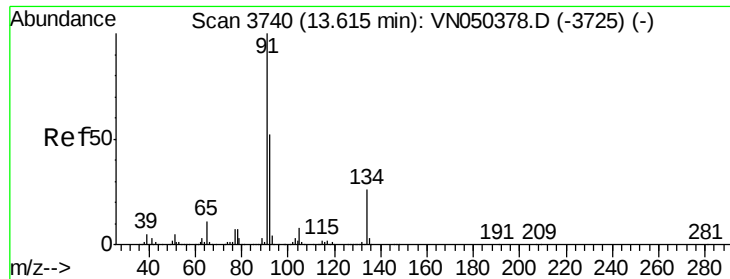
111 38.3 18.3 54.9

148 65.1 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

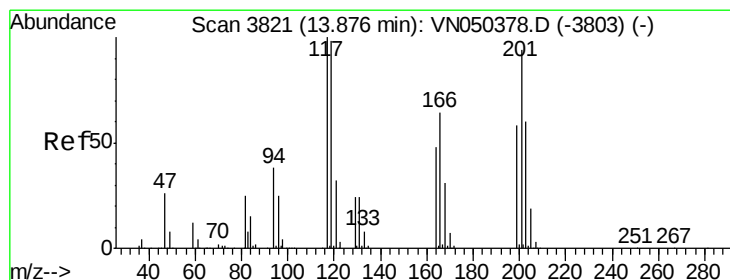
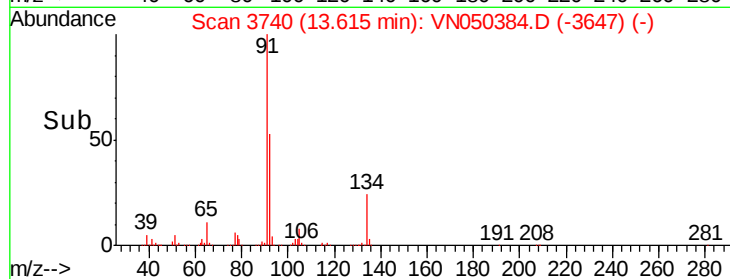
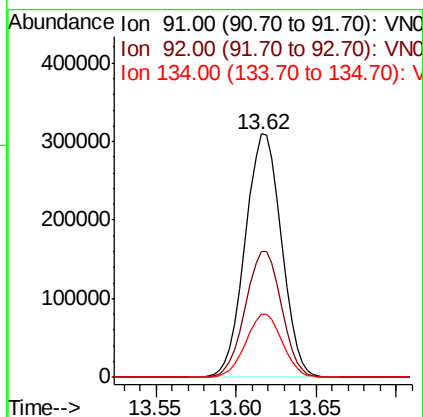
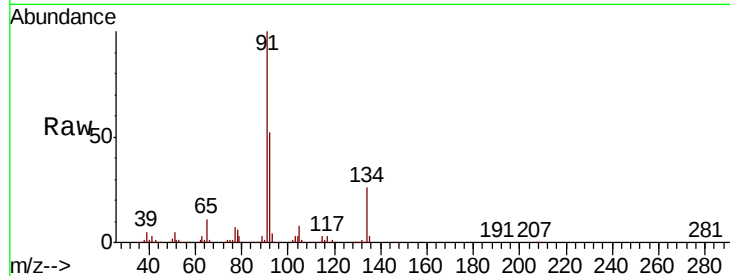




#89
n-Butylbenzene
Concen: 19.24 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

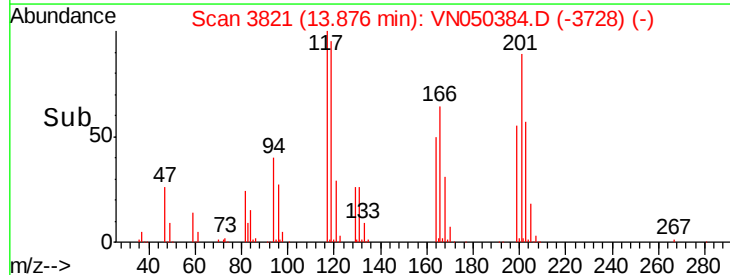
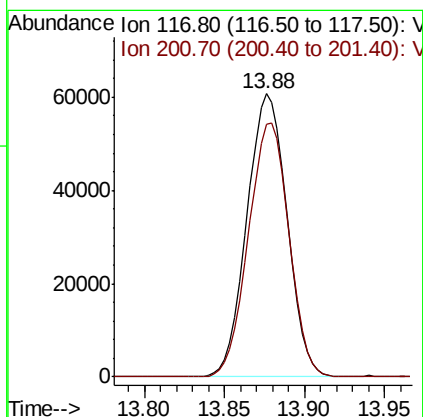
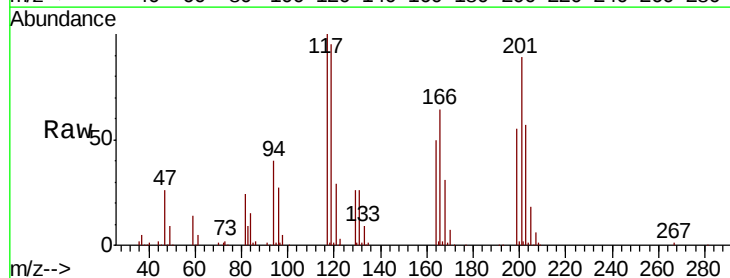
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

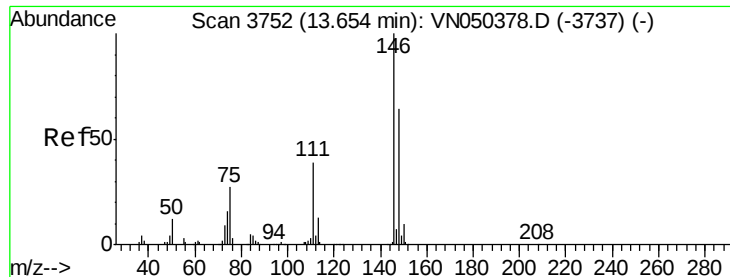
Tot Ion: 91 Resp: 480032
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 26.1 12.8 38.4



#90
Hexachloroethane
Concen: 19.99 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 117 Resp: 104172
Ion Ratio Lower Upper
117 100
201 90.5 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.53 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

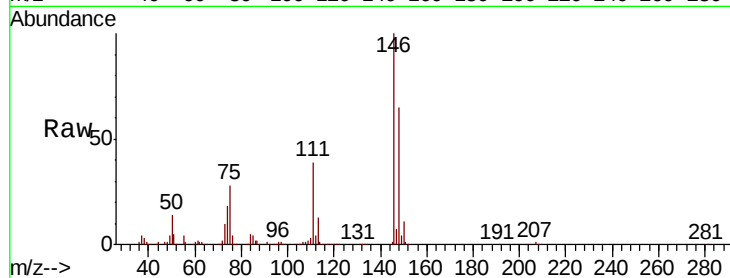
Tot Ion:146 Resp: 338559

Ion Ratio Lower Upper

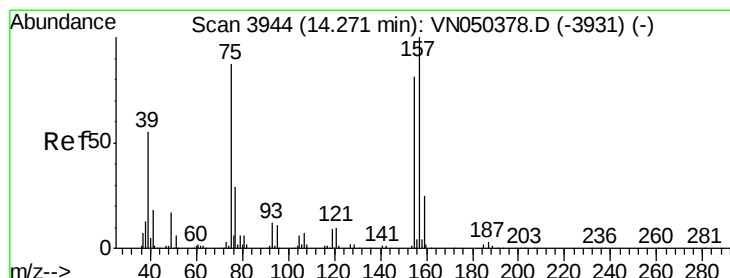
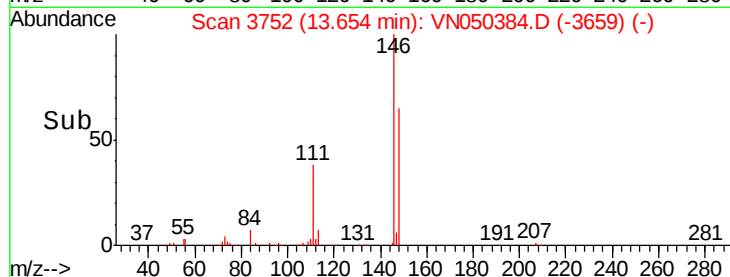
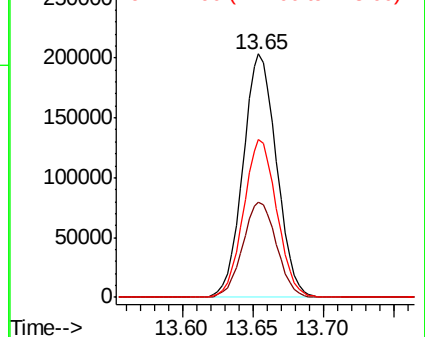
146 100

111 39.5 19.6 58.7

148 64.7 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: 18.42 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

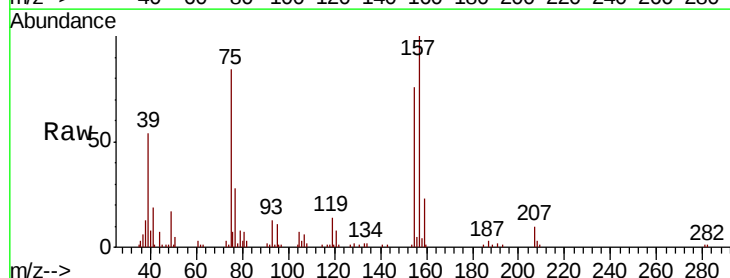
Tgt Ion: 75 Resp: 32693

Ion Ratio Lower Upper

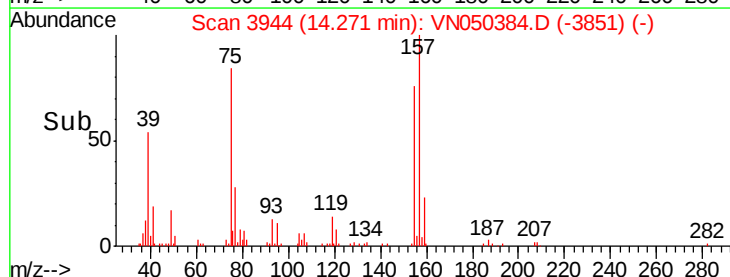
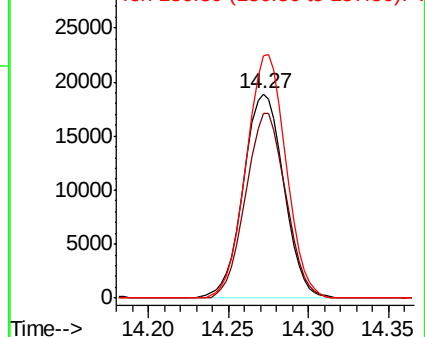
75 100

155 89.2 44.8 134.4

157 117.4 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

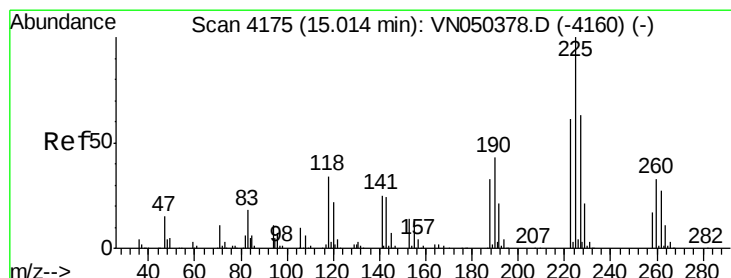
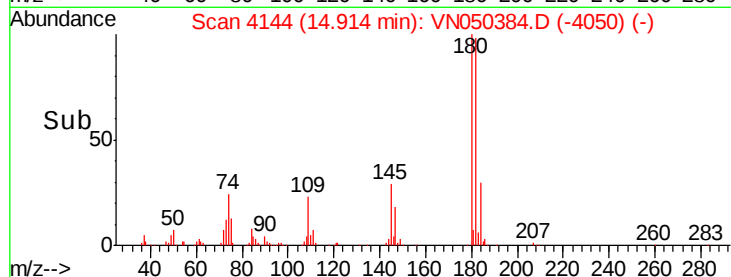
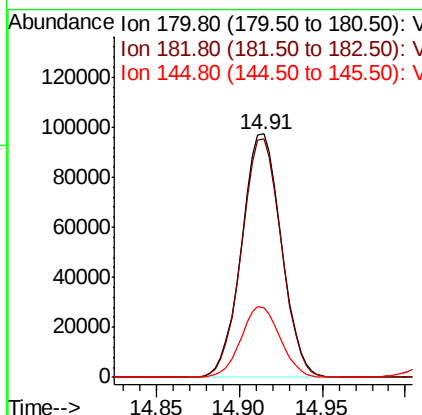
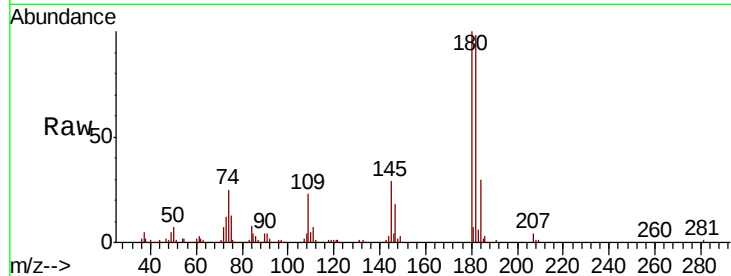




#93
 1,2,4-Trichlorobenzene
 Concen: 18.37 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

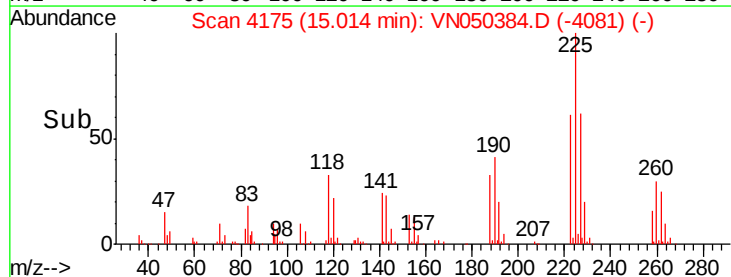
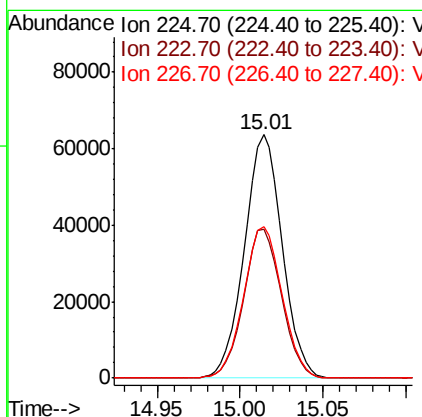
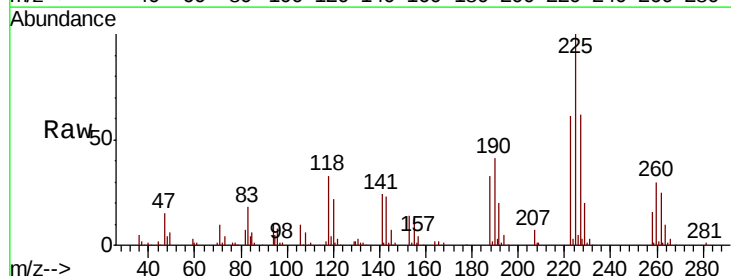
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

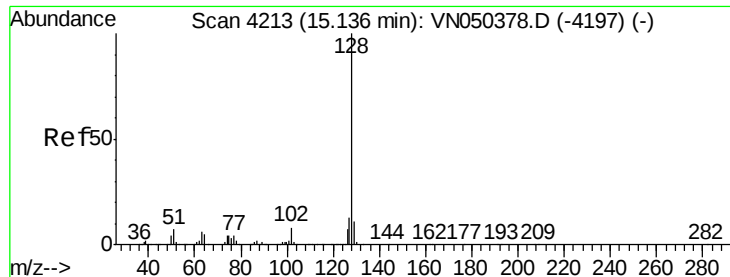
Tot Ion:180 Resp: 162203
 Ion Ratio Lower Upper
 180 100
 182 97.7 46.7 140.1
 145 28.5 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.99 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion:225 Resp: 101155
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.4 94.2
 227 63.2 32.1 96.5





#95

Naphthalene

Concen: 18.26 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

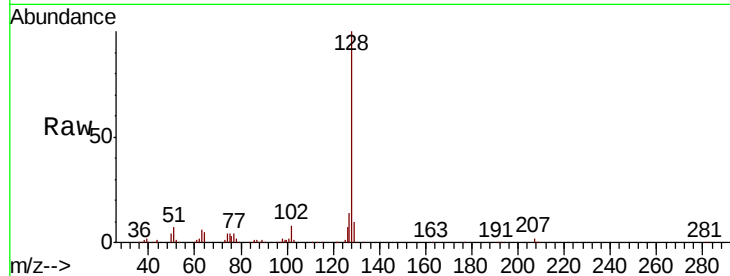
Tot Ion:128 Resp: 368961

Ion Ratio Lower Upper

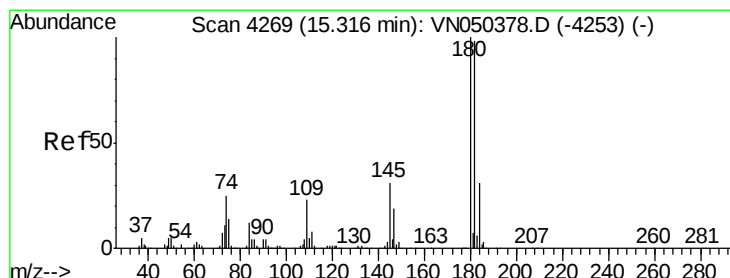
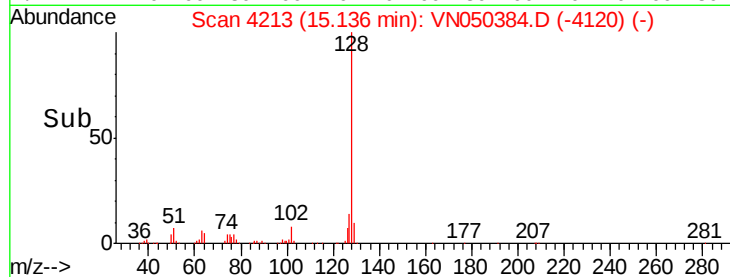
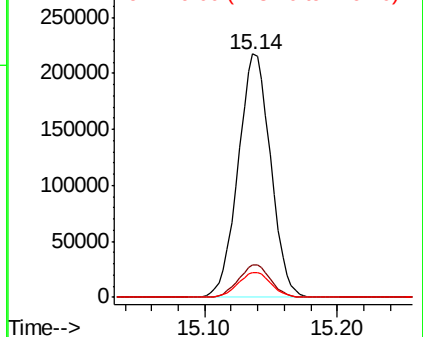
128 100

127 13.3 10.4 15.6

129 10.5 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: 18.06 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

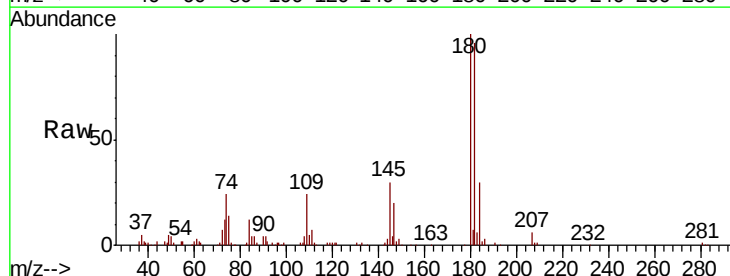
Tgt Ion:180 Resp: 161209

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 30.5 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

