

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050427.D
 Acq On : 7 Aug 2018 13:22
 Operator : MD\SY
 Sample : VN0807WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Quant Time: Aug 08 05:21:45 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	654242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	967326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	873011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	437093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437085	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	392397	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1460508	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	464168	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	139915	19.27	ug/l	100
3) Chloromethane	2.06	50	172602	19.21	ug/l	98
4) Vinyl Chloride	2.18	62	182132	19.38	ug/l	99
5) Bromomethane	2.56	94	104164	22.95	ug/l	99
6) Chloroethane	2.70	64	110021	18.99	ug/l	100
7) Trichlorofluoromethane	3.01	101	241540	19.90	ug/l	100
8) Diethyl Ether	3.41	74	83678	18.79	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147811	19.70	ug/l	99
10) Methyl Iodide	3.95	142	73580	22.26	ug/l	98
11) Tert butyl alcohol	4.80	59	53523	76.22	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	133607	18.89	ug/l	97
13) Acrolein	3.61	56	72751	89.87	ug/l	99
14) Allyl chloride	4.33	41	208213	18.33	ug/l	99
15) Acrylonitrile	4.99	53	257501	87.54	ug/l	99
16) Acetone	3.82	43	236174	90.37	ug/l	98
17) Carbon Disulfide	4.05	76	405206	17.62	ug/l	100
18) Methyl Acetate	4.33	43	126603	18.57	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	367797	18.32	ug/l	100
20) Methylene Chloride	4.55	84	156970	18.72	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	145193	18.97	ug/l	97
22) Diisopropyl ether	5.96	45	453671	19.55	ug/l	96
23) Vinyl Acetate	5.90	43	1535744	92.76	ug/l	99
24) 1,1-Dichloroethane	5.85	63	272947	19.17	ug/l	99
25) 2-Butanone	6.84	43	371533	85.77	ug/l	99
26) 2,2-Dichloropropane	6.83	77	218815	18.64	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161673	19.06	ug/l	99
28) Bromochloromethane	7.20	49	129652	19.78	ug/l	99
29) Tetrahydrofuran	7.22	42	192452	83.01	ug/l	98
30) Chloroform	7.37	83	279114	19.61	ug/l	99
31) Cyclohexane	7.66	56	240785	18.82	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	236151	19.32	ug/l	99
36) 1,1-Dichloropropene	7.80	75	203929	19.19	ug/l	99
37) Ethyl Acetate	6.93	43	137021	17.90	ug/l	98
38) Carbon Tetrachloride	7.78	117	207546	18.72	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	214657	18.50	ug/l	100
40) Benzene	8.04	78	632587	19.36	ug/l	99
41) Methacrylonitrile	7.18	41	65354	16.06	ug/l	88
42) 1,2-Dichloroethane	8.13	62	201551	19.43	ug/l	100
43) Isopropyl Acetate	8.17	43	240776	18.22	ug/l	99
44) Trichloroethene	8.84	130	164524	18.74	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166632	19.40	ug/l	97
46) Dibromomethane	9.21	93	100277	18.90	ug/l	100
47) Bromodichloromethane	9.40	83	210326	19.14	ug/l	100
48) Methyl methacrylate	9.20	41	115248	17.40	ug/l	100
49) 1,4-Dioxane	9.20	88	32765	320.98	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	831445	87.38	ug/l	99
52) Toluene	10.16	92	384221	19.58	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	201210	18.24	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	236196	19.18	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	144687	18.88	ug/l	97
56) Ethyl methacrylate	10.43	69	173892	17.20	ug/l	97
57) 1,3-Dichloropropane	10.71	76	237478	18.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	431841	90.30	ug/l	99
59) 2-Hexanone	10.75	43	557511	83.95	ug/l	100
60) Dibromochloromethane	10.90	129	156475	18.54	ug/l	97
61) 1,2-Dibromoethane	11.01	107	140693	18.63	ug/l	98
64) Tetrachloroethene	10.63	164	161124	19.75	ug/l	98
65) Chlorobenzene	11.44	112	408229	18.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153785	19.31	ug/l	99
67) Ethyl Benzene	11.51	91	676854	19.13	ug/l	100
68) m/p-Xylenes	11.62	106	529546	39.32	ug/l	99
69) o-Xylene	11.95	106	248754	19.17	ug/l	99
70) Styrene	11.97	104	405150	19.20	ug/l	99
71) Bromoform	12.13	173	106715	18.33	ug/l #	98
73) Isopropylbenzene	12.25	105	660111	20.12	ug/l	99
74) N-amyl acetate	12.07	43	188694	17.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175977	18.59	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	210983	26.67	ug/l #	100
77) Bromobenzene	12.53	156	174575	19.86	ug/l	99
78) n-propylbenzene	12.59	91	757989	20.41	ug/l	99
79) 2-Chlorotoluene	12.68	91	455072	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	546705	20.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43261	19.21	ug/l	97
82) 4-Chlorotoluene	12.77	91	471016	20.59	ug/l	99
83) tert-Butylbenzene	12.99	119	460745	19.83	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	551891	20.45	ug/l	100
85) sec-Butylbenzene	13.17	105	618390	19.97	ug/l	100
86) p-Isopropyltoluene	13.29	119	526812	19.85	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	296670	18.95	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	293164	18.75	ug/l	98
89) n-Butylbenzene	13.62	91	412670	18.26	ug/l	99
90) Hexachloroethane	13.88	117	91126	19.31	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	292933	18.67	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25280	15.73	ug/l	98

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Quant Title : SW846 8260
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Response via : Initial Calibration

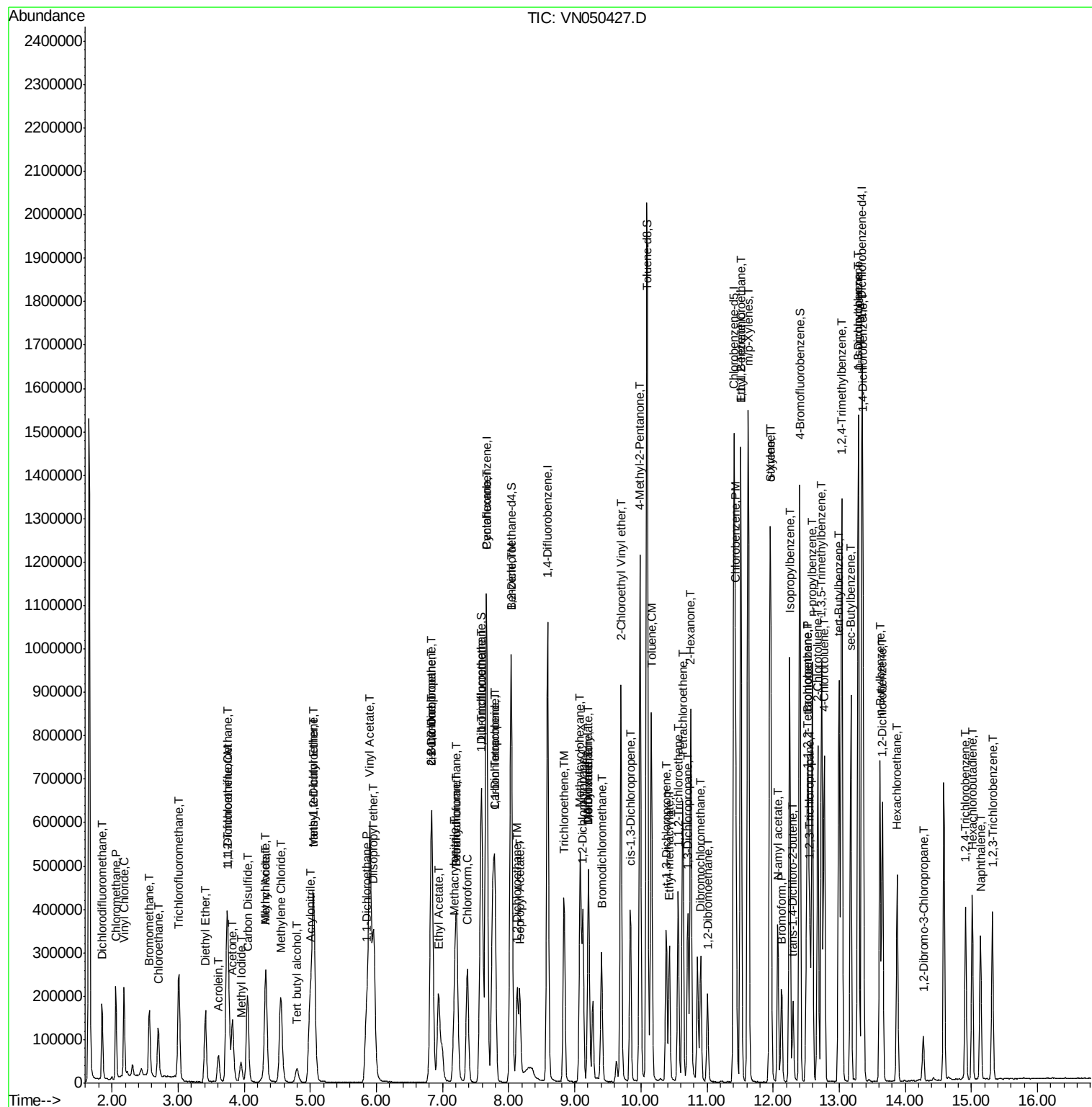
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138249	17.30	ug/l	97
94) Hexachlorobutadiene	15.01	225	87640	19.05	ug/l	100
95) Naphthalene	15.14	128	289876	16.32	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	137396	17.00	ug/l	99

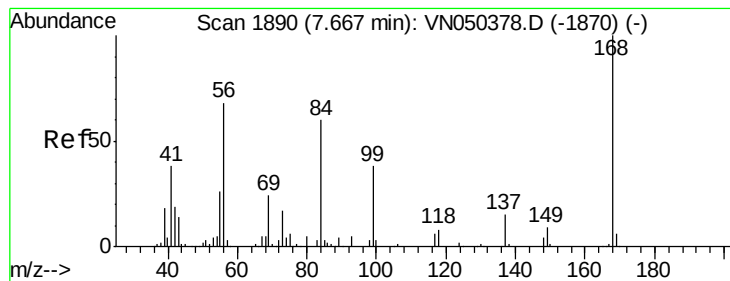
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

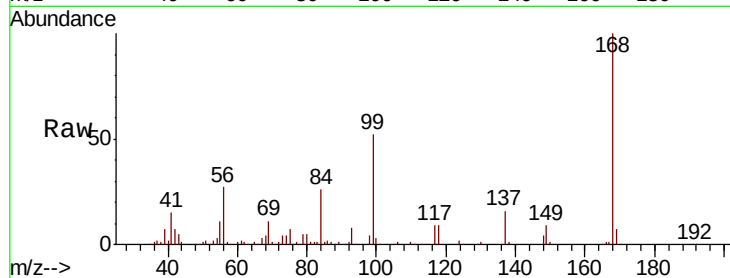
VN0807WBS01

Tot Ion:168 Resp: 654242

Ion Ratio Lower Upper

168 100

99 51.6 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

250000

200000

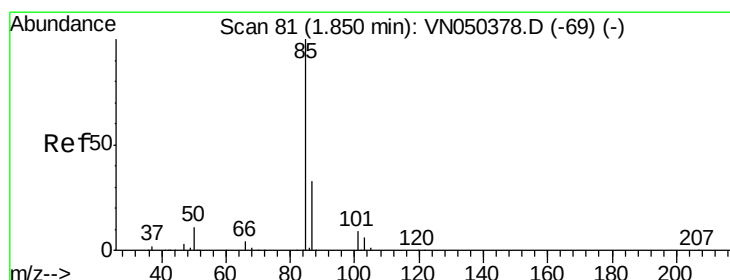
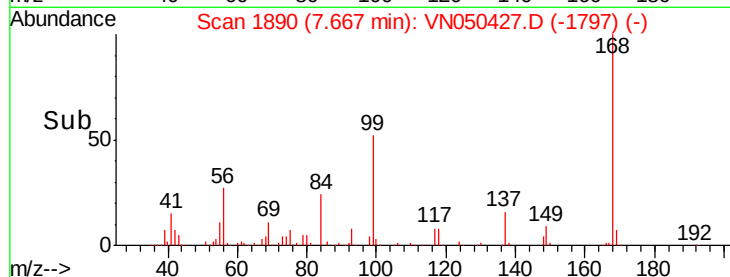
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.27 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050427.D

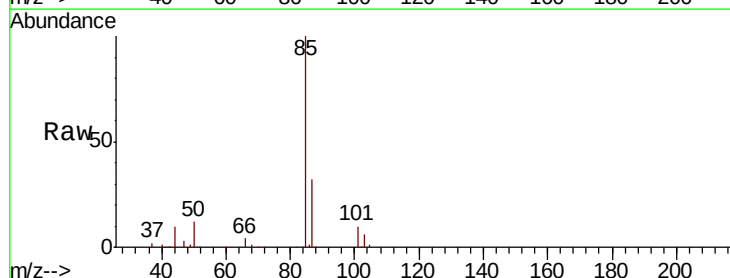
Acq: 7 Aug 2018 13:22

Tgt Ion: 85 Resp: 139915

Ion Ratio Lower Upper

85 100

87 32.3 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

100000

80000

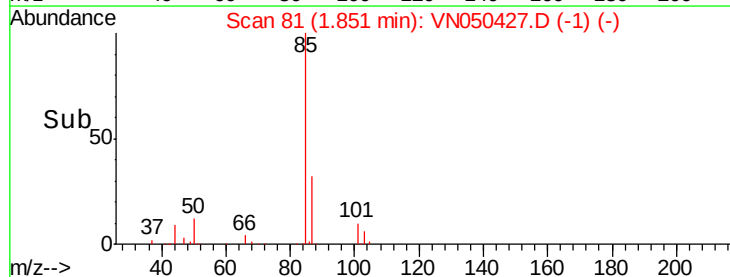
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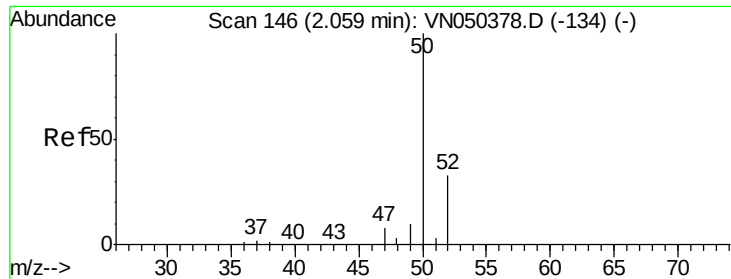
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

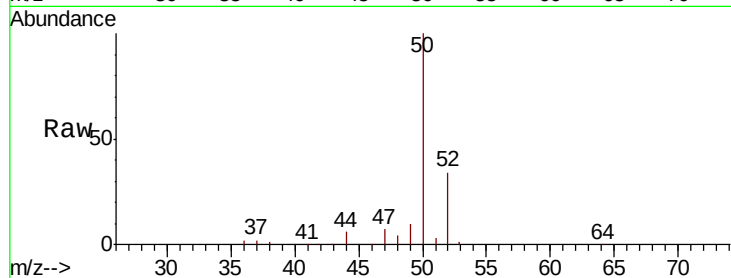
VN0807WBS01

Tot Ion: 50 Resp: 172602

Ion Ratio Lower Upper

50 100

52 33.5 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

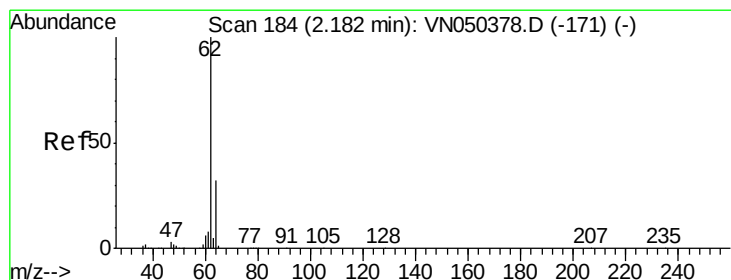
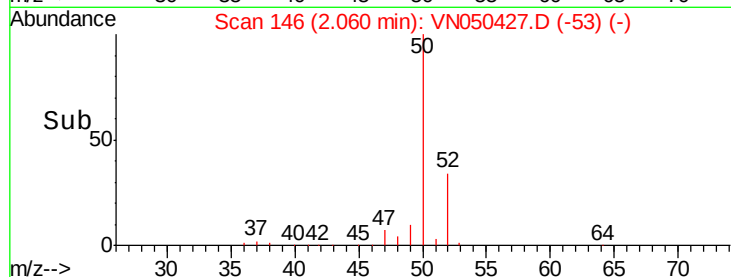
100000

50000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.38 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050427.D

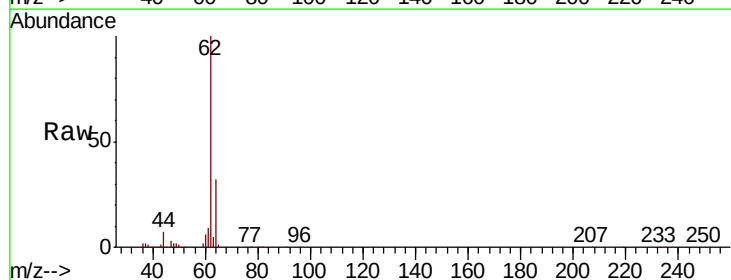
Acq: 7 Aug 2018 13:22

Tgt Ion: 62 Resp: 182132

Ion Ratio Lower Upper

62 100

64 31.5 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

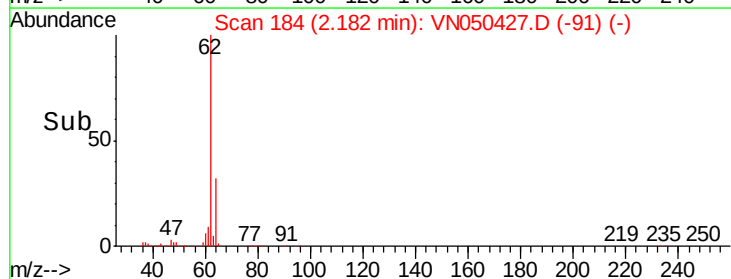
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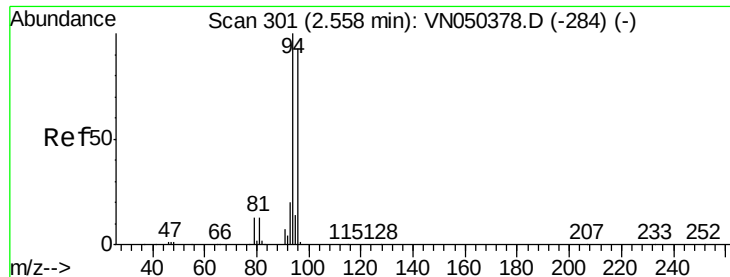
50000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 22.95 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

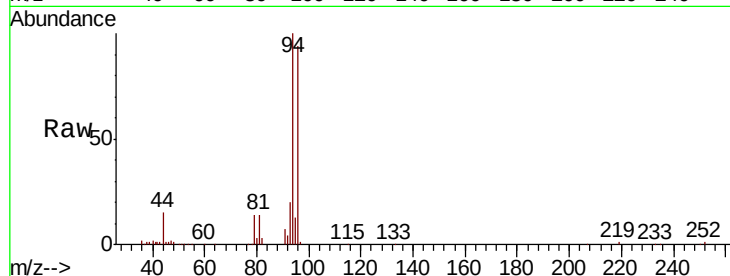
VN0807WBS01

Tot Ion: 94 Resp: 104164

Ion Ratio Lower Upper

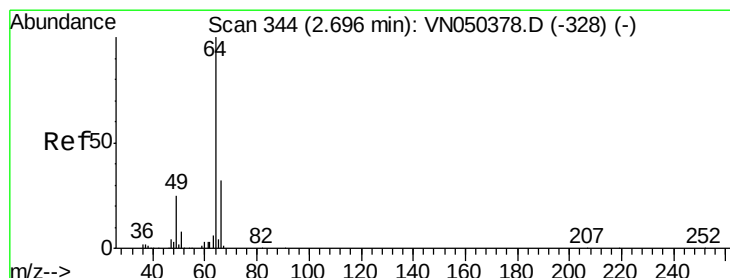
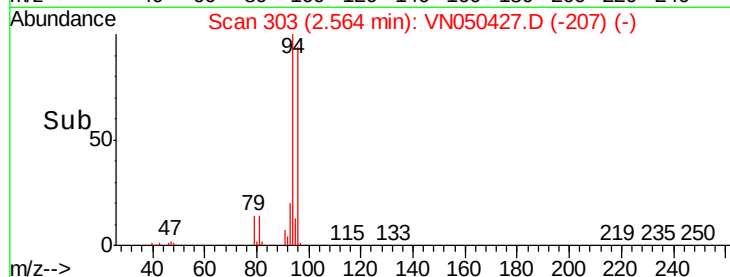
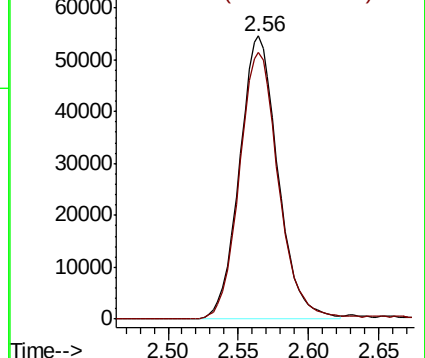
94 100

96 93.8 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: 18.99 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050427.D

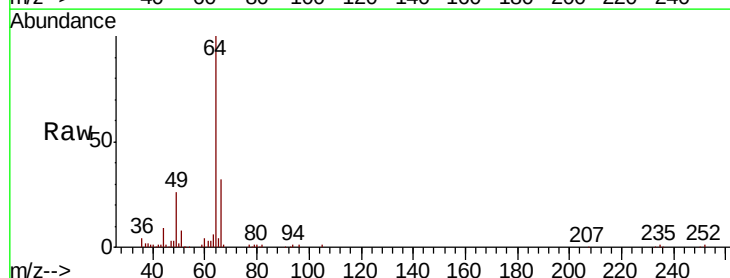
Acq: 7 Aug 2018 13:22

Tgt Ion: 64 Resp: 110021

Ion Ratio Lower Upper

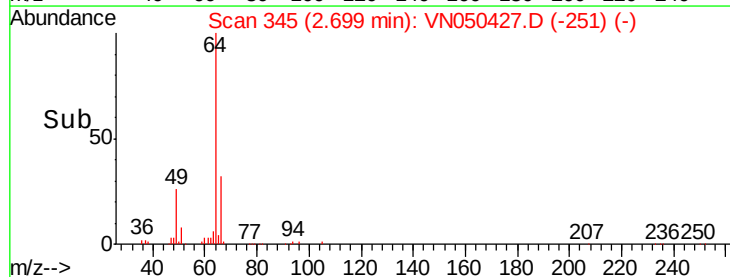
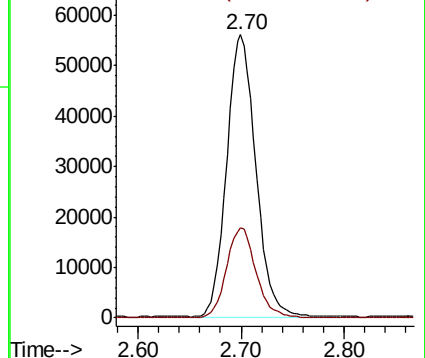
64 100

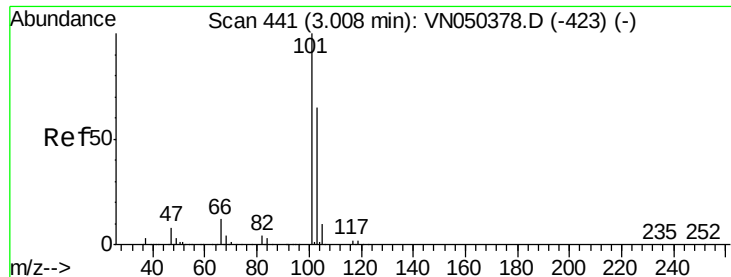
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.90 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

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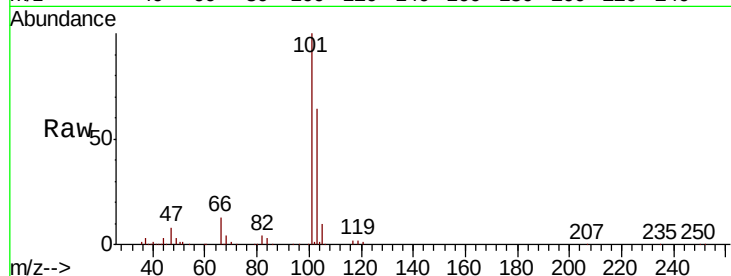
VN0807WBS01

Tot Ion:101 Resp: 241540

Ion Ratio Lower Upper

101 100

103 64.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

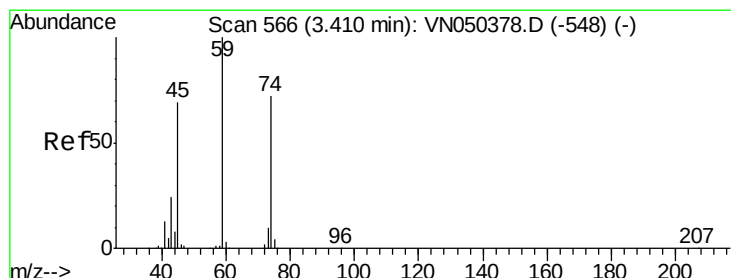
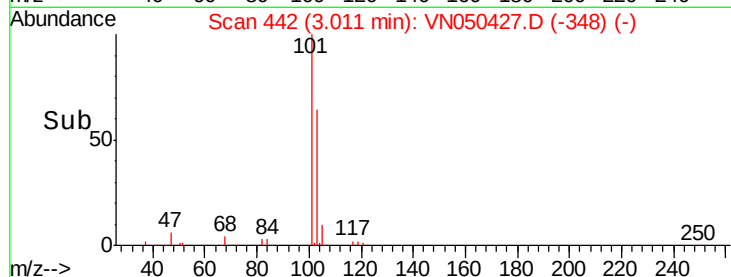
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 18.79 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050427.D

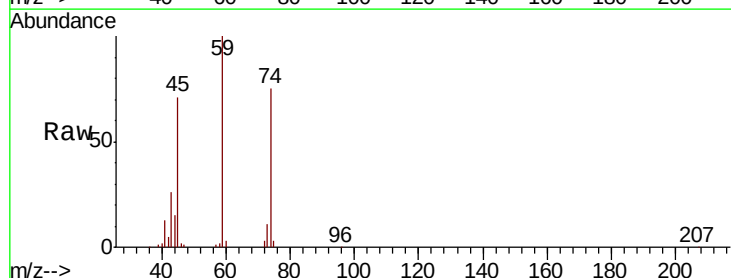
Acq: 7 Aug 2018 13:22

Tgt Ion: 74 Resp: 83678

Ion Ratio Lower Upper

74 100

45 93.8 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

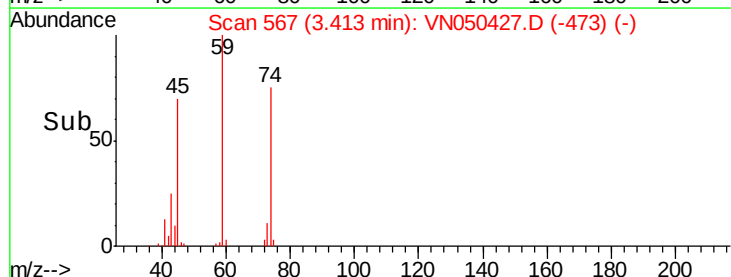
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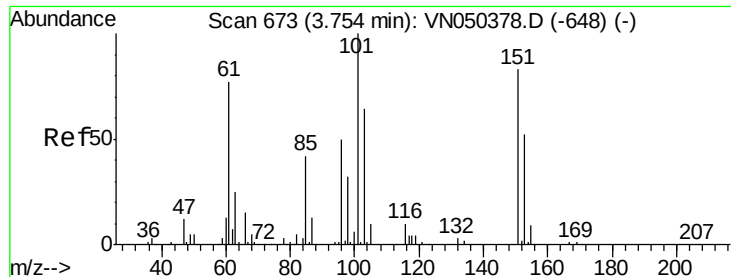
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.70 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050427.D

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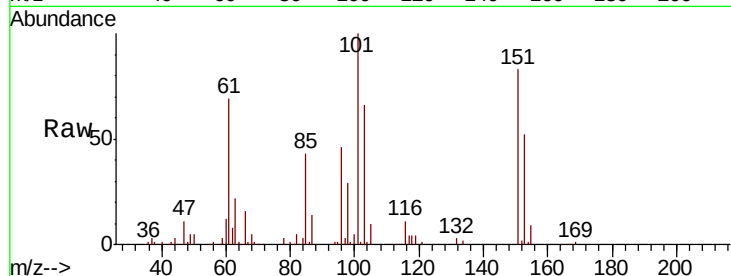
Tot Ion:101 Resp: 147811

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

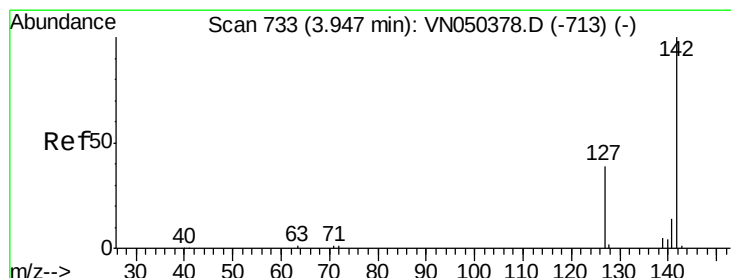
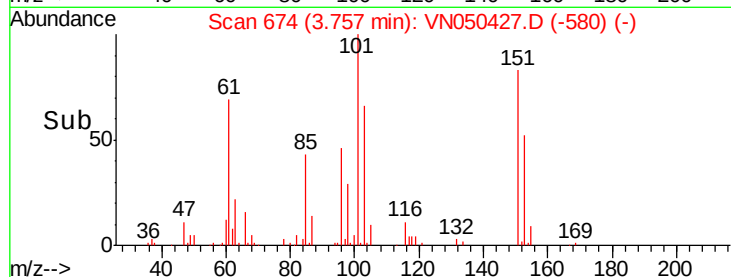
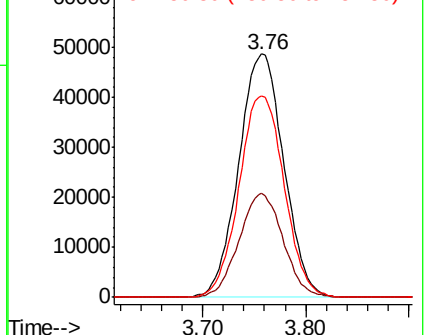
151 83.0 66.3 99.5



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: 22.26 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

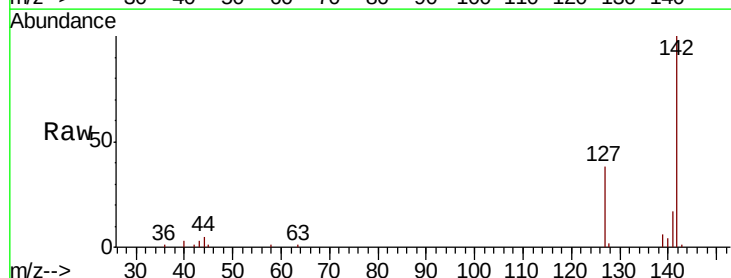
Tgt Ion:142 Resp: 73580

Ion Ratio Lower Upper

142 100

127 40.2 33.4 50.2

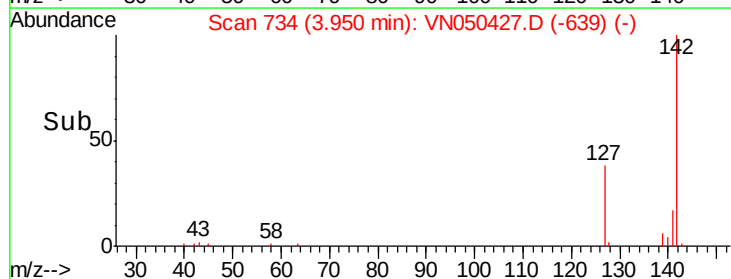
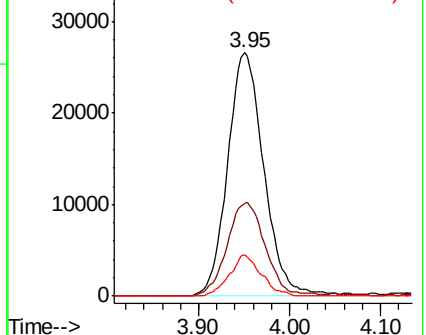
141 14.9 11.6 17.4

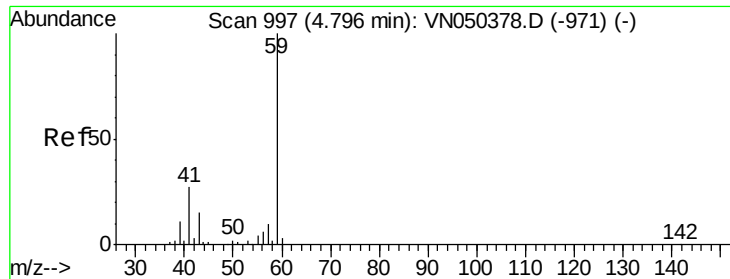


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

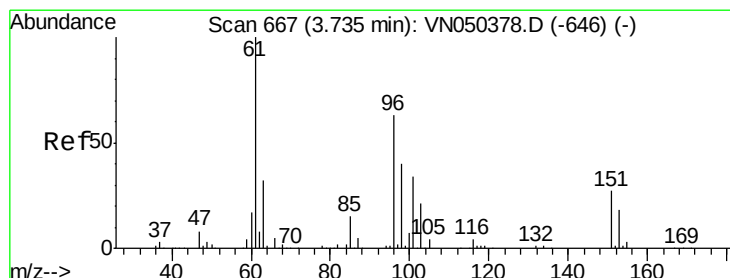
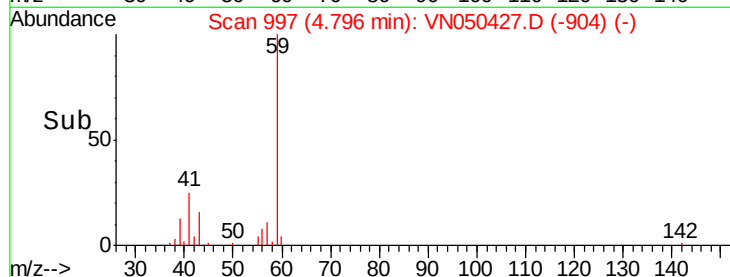
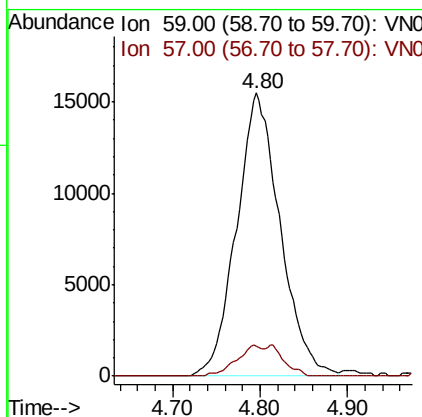
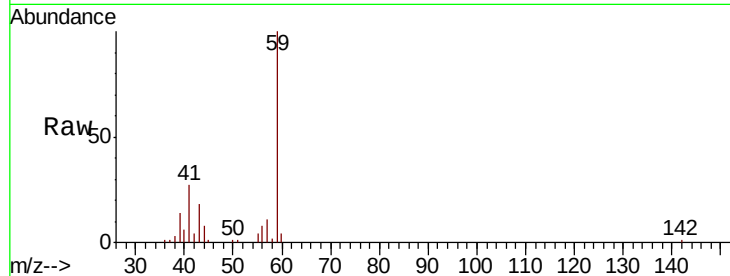




#11
Tert butyl alcohol
Concen: 76.22 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

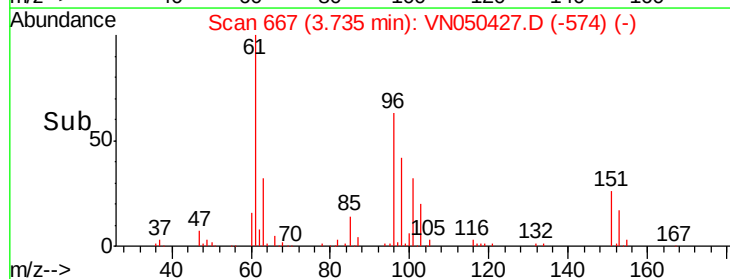
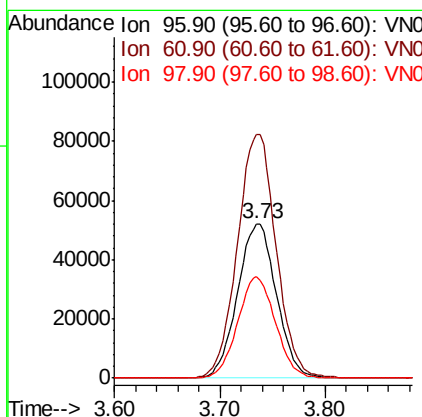
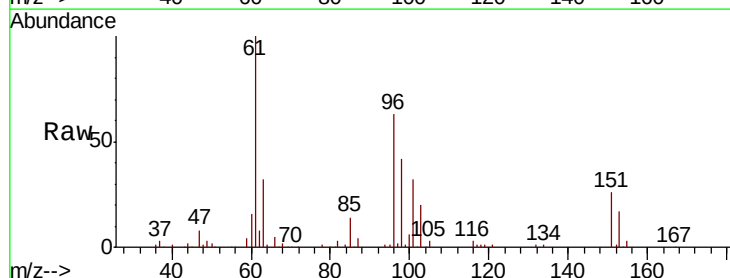
Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

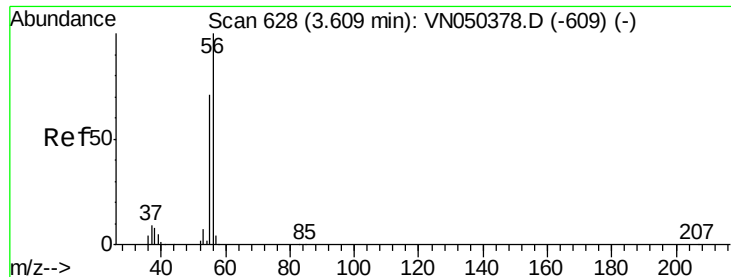
Tot Ion: 59 Resp: 53523
Ion Ratio Lower Upper
59 100
57 6.9 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 18.89 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 96 Resp: 133607
Ion Ratio Lower Upper
96 100
61 157.5 124.4 186.6
98 65.4 48.3 72.5





#13

Acrolein

Concen: 89.87 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

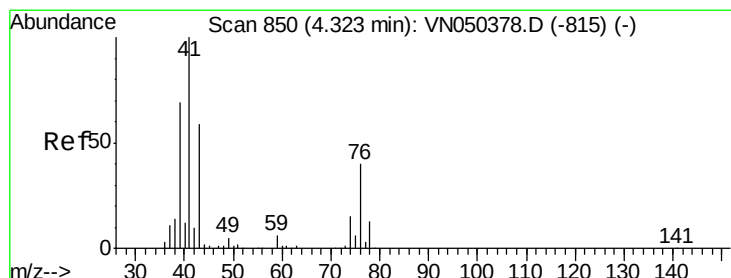
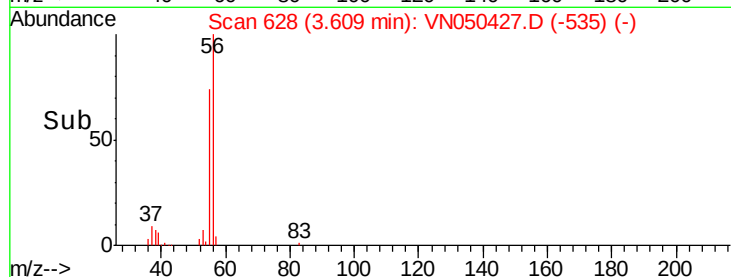
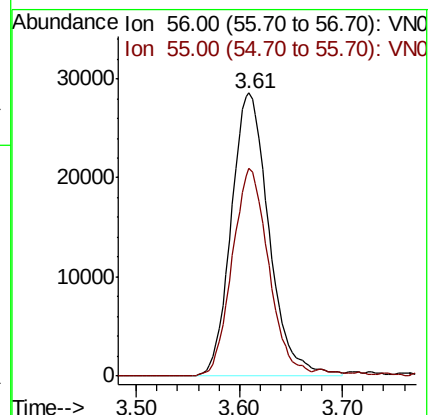
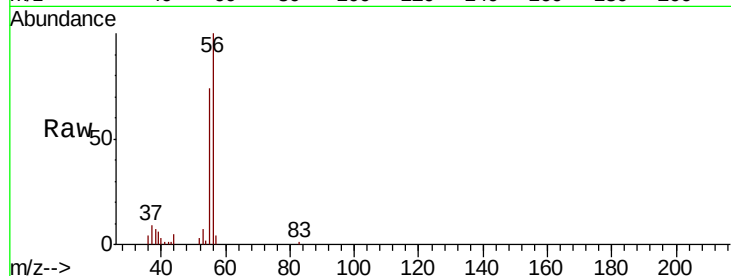
VN0807WBS01

Tot Ion: 56 Resp: 72751

Ion Ratio Lower Upper

56 100

55 70.9 55.8 83.6



#14

Allyl chloride

Concen: 18.33 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

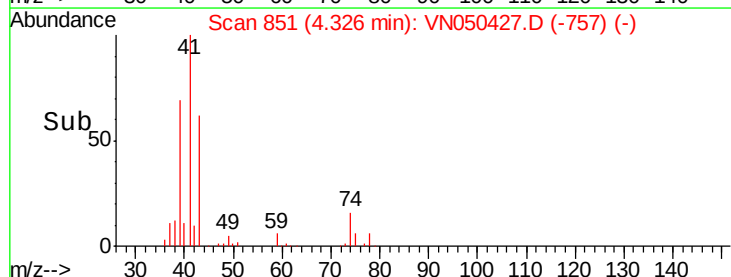
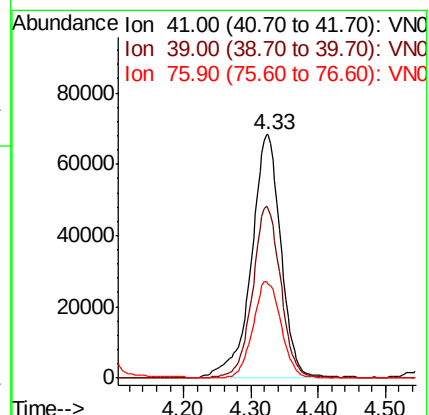
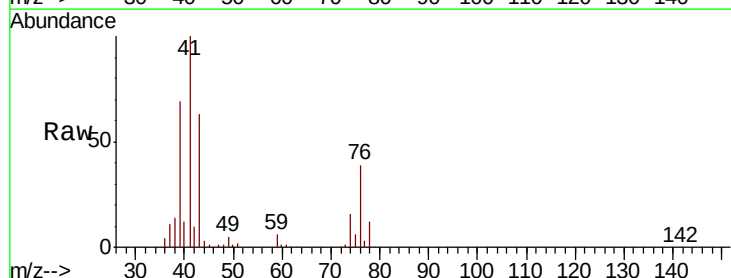
Tgt Ion: 41 Resp: 208213

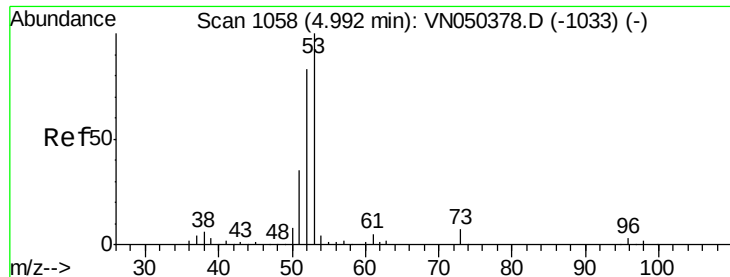
Ion Ratio Lower Upper

41 100

39 67.1 54.2 81.4

76 37.7 29.0 43.6

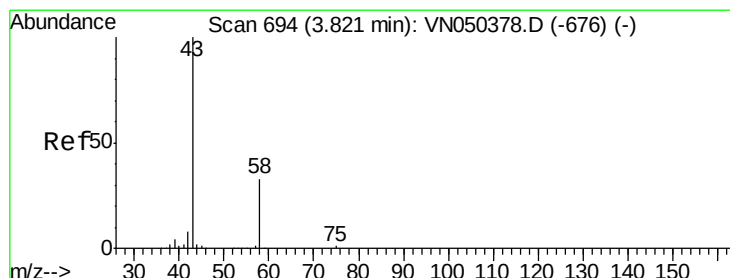
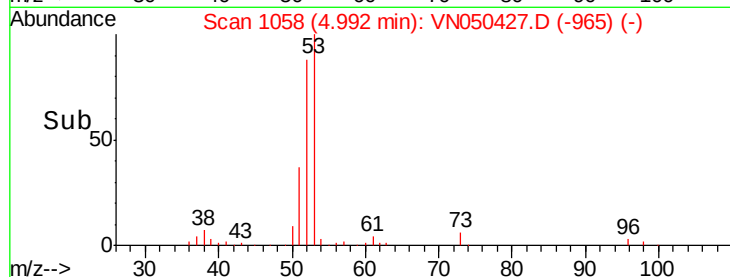
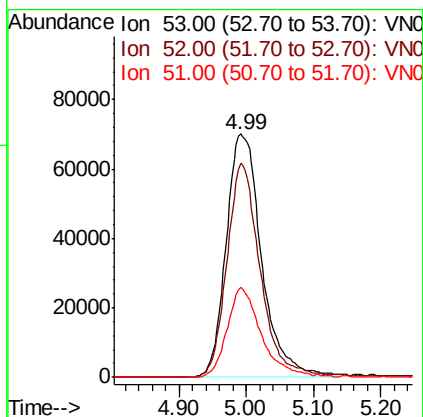
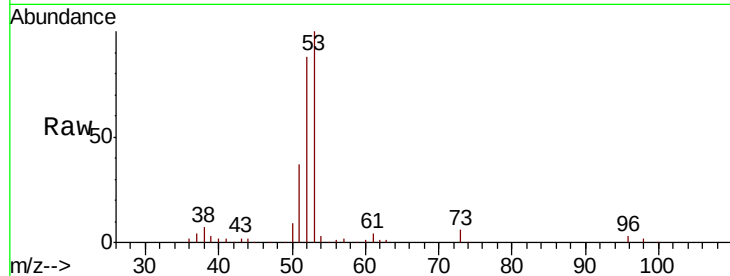




#15
 Acrylonitrile
 Concen: 87.54 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

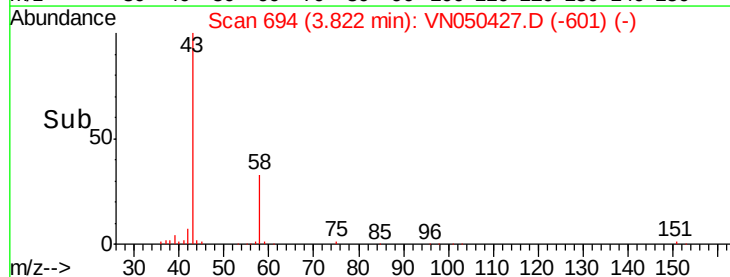
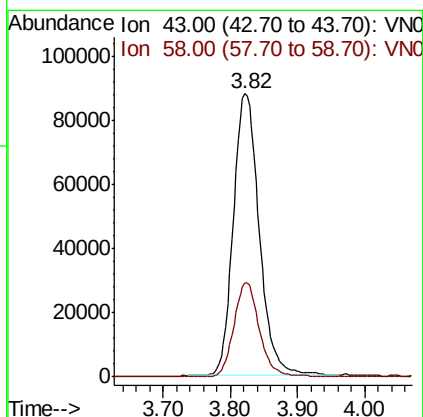
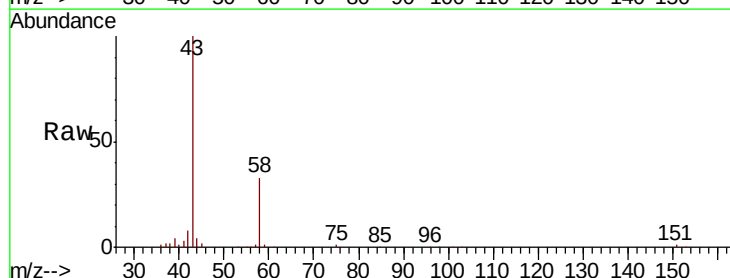
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

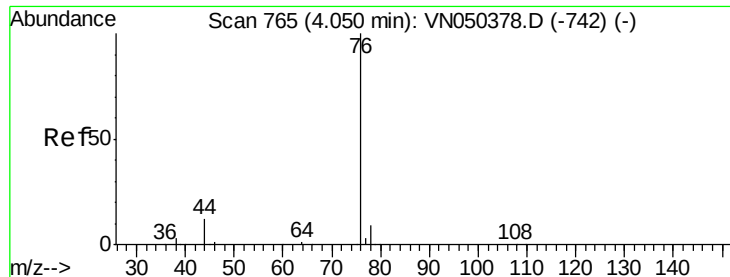
Tot Ion: 53 Resp: 257501
 Ion Ratio Lower Upper
 53 100
 52 82.3 66.2 99.2
 51 35.4 29.3 43.9



#16
 Acetone
 Concen: 90.37 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 43 Resp: 236174
 Ion Ratio Lower Upper
 43 100
 58 33.3 25.8 38.8





#17

Carbon Disulfide

Concen: 17.62 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

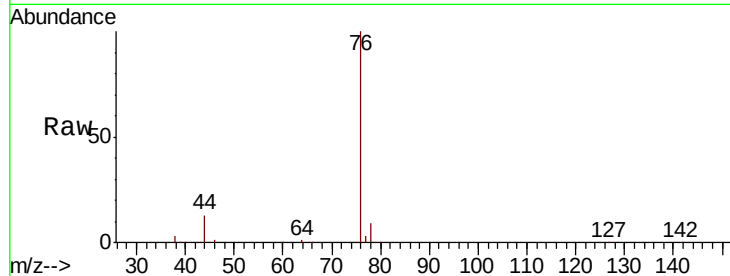
VN0807WBS01

Tot Ion: 76 Resp: 405206

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

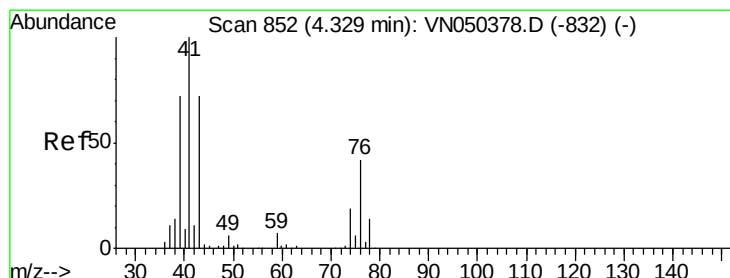
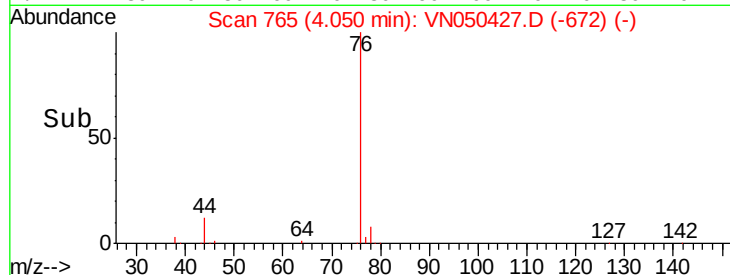
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 18.57 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050427.D

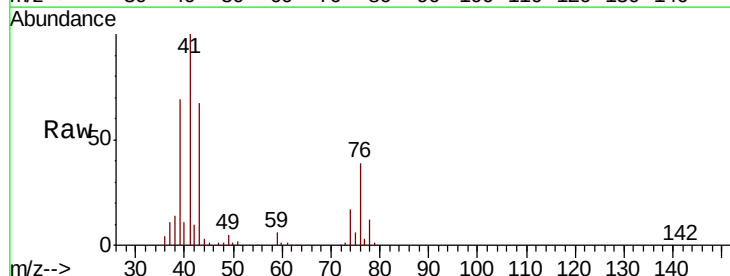
Acq: 7 Aug 2018 13:22

Tgt Ion: 43 Resp: 126603

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

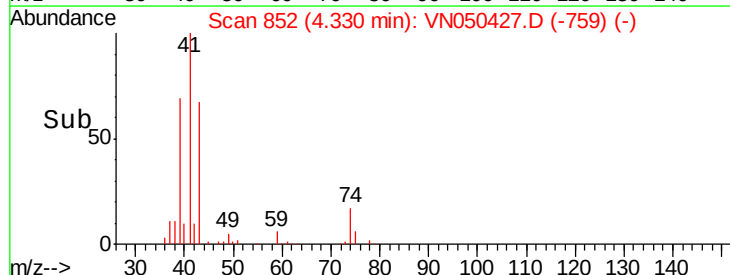
30000

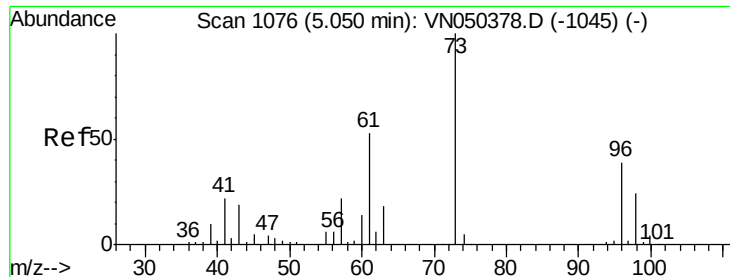
20000

10000

0

Time--> 4.20 4.30 4.40 4.50





#19

Methvl tert-butvl Ether

Concen: 18.32 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

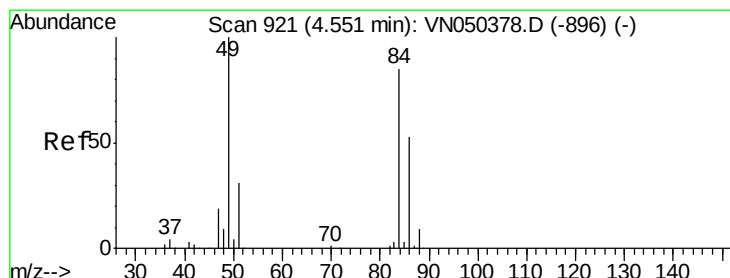
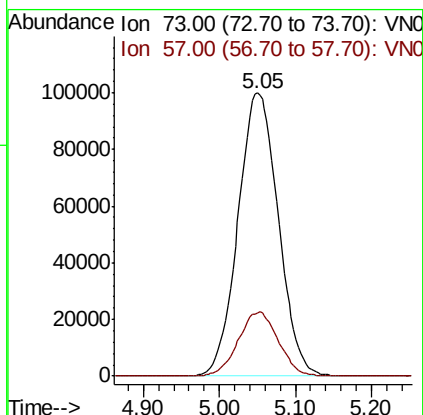
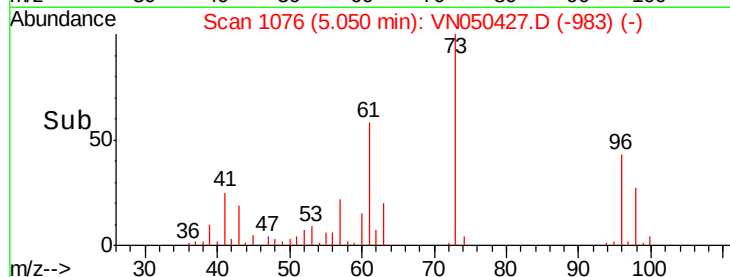
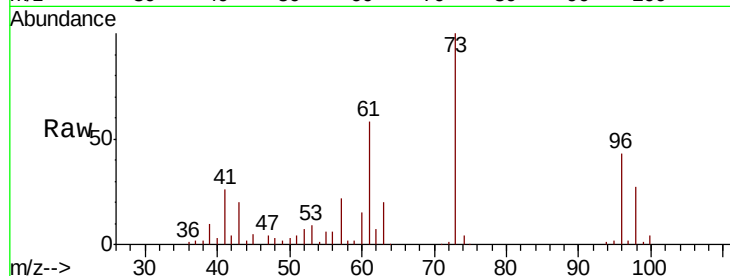
VN0807WBS01

Tot Ion: 73 Resp: 367797

Ion Ratio Lower Upper

73 100

57 22.4 18.0 27.0



#20

Methylene Chloride

Concen: 18.72 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion: 84 Resp: 156970

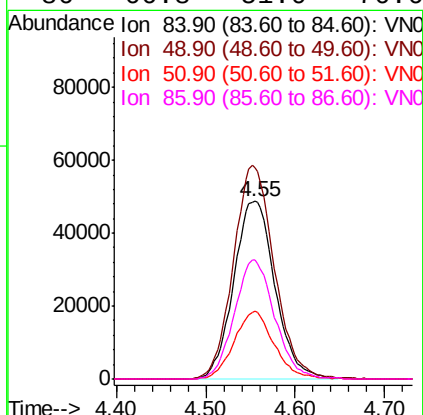
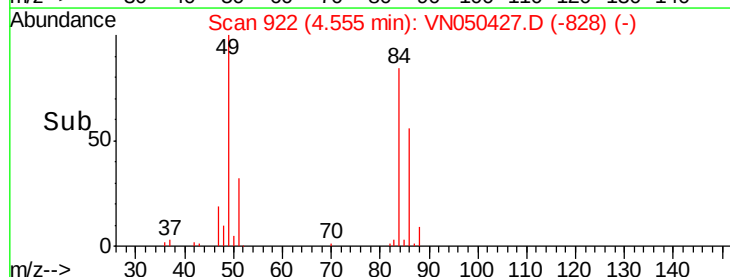
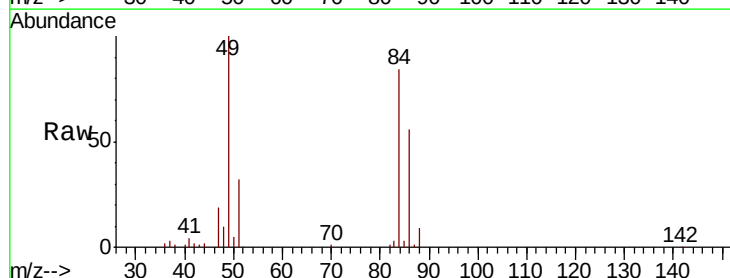
Ion Ratio Lower Upper

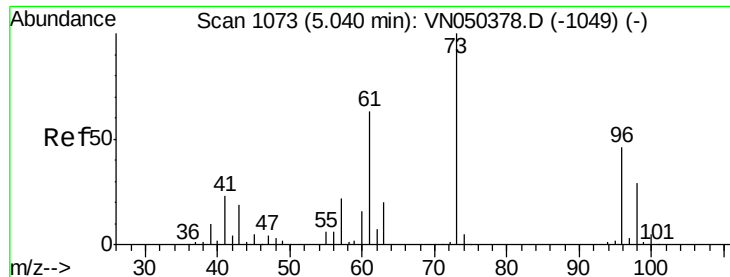
84 100

49 119.3 94.8 142.2

51 38.0 28.3 42.5

86 66.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.97 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

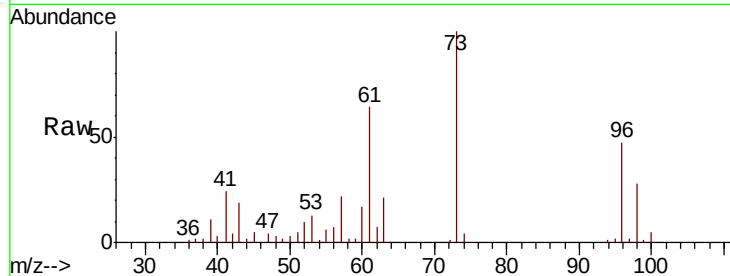
Tot Ion: 96 Resp: 145193

Ion Ratio Lower Upper

96 100

61 136.1 110.7 166.1

98 60.7 51.6 77.4

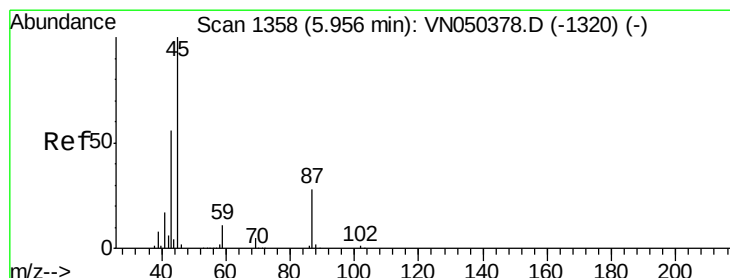
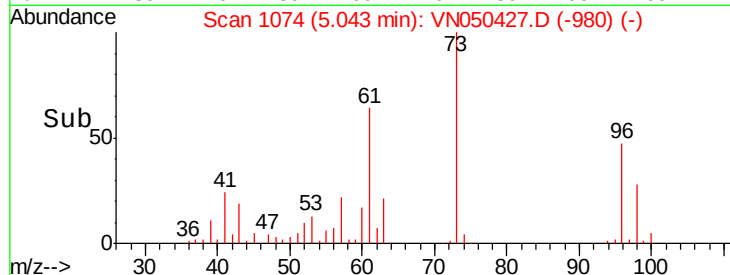
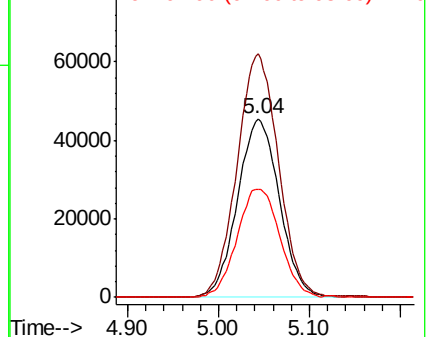


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.55 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion: 45 Resp: 453671

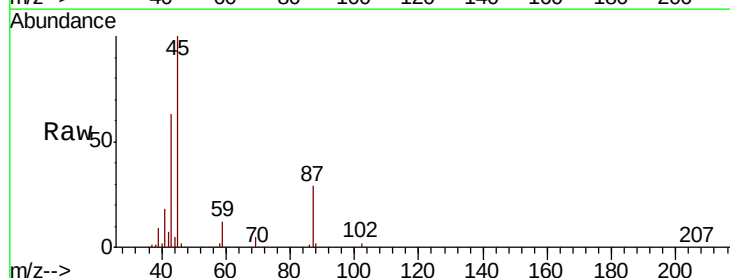
Ion Ratio Lower Upper

45 100

43 61.2 45.7 68.5

87 29.3 22.7 34.1

59 11.7 9.5 14.3



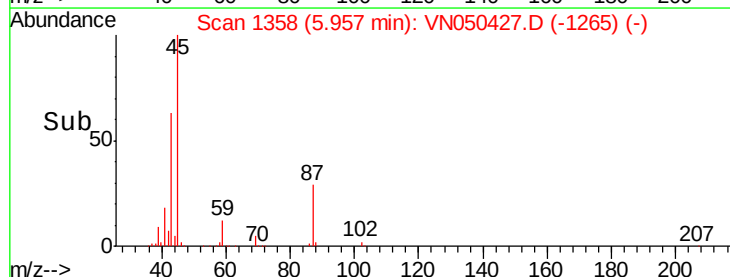
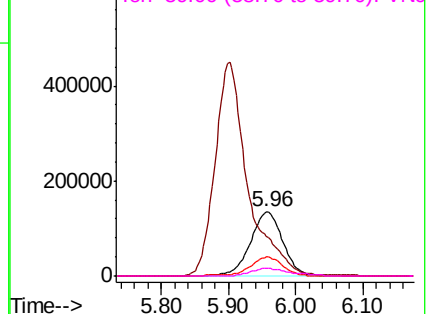
Abundance

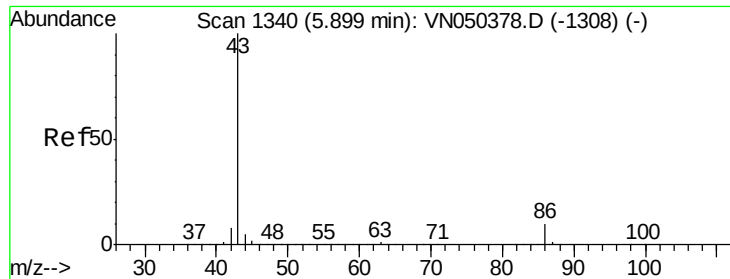
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

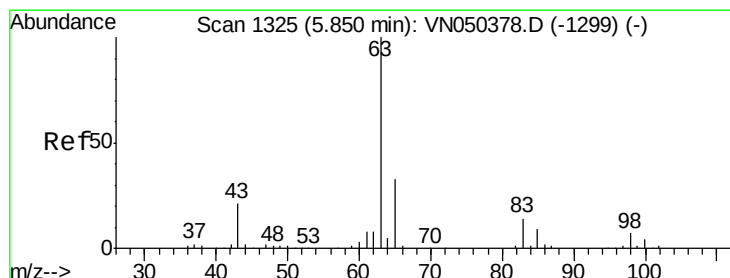
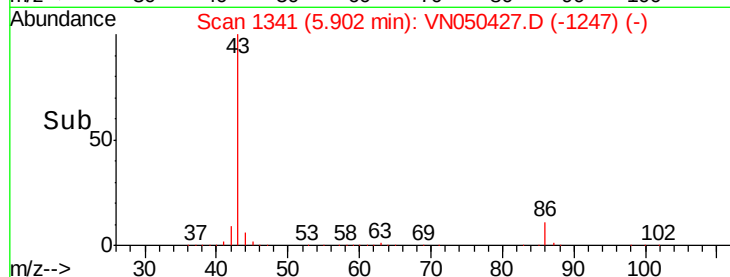
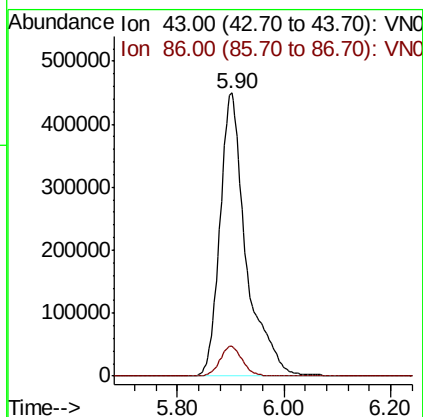
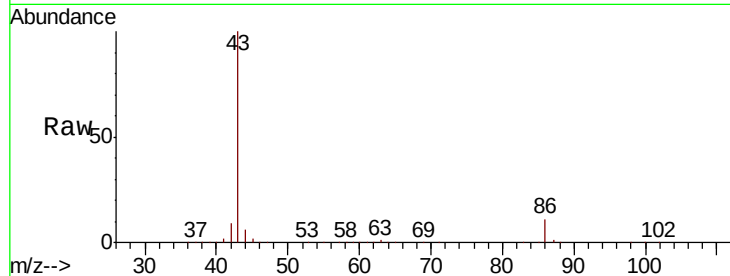




#23
 Vinyl Acetate
 Concen: 92.76 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

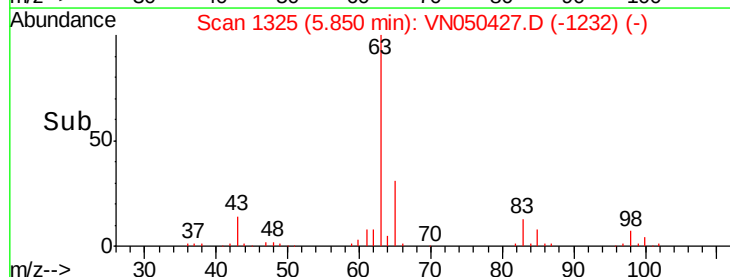
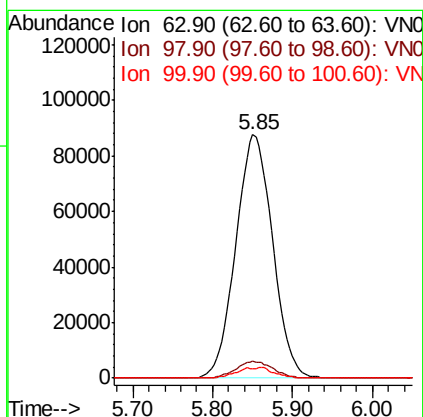
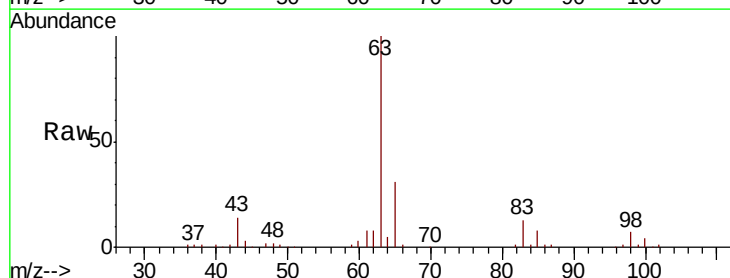
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

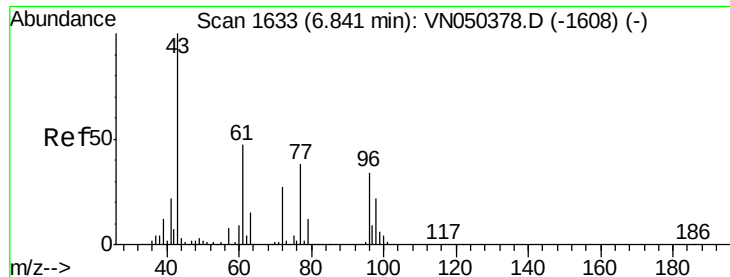
Tot Ion: 43 Resp: 1535744
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.17 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 63 Resp: 272947
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 85.77 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

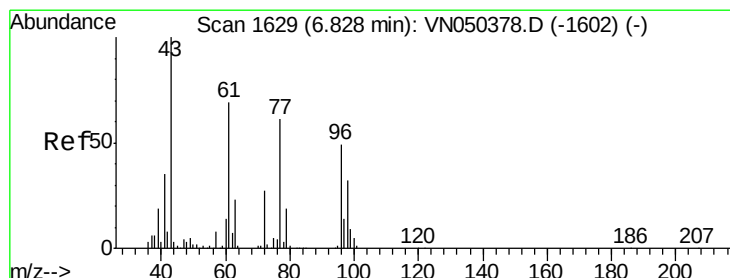
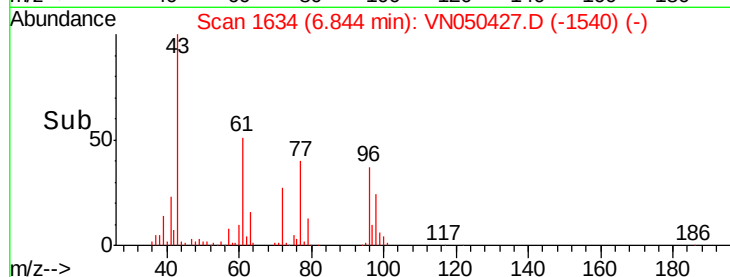
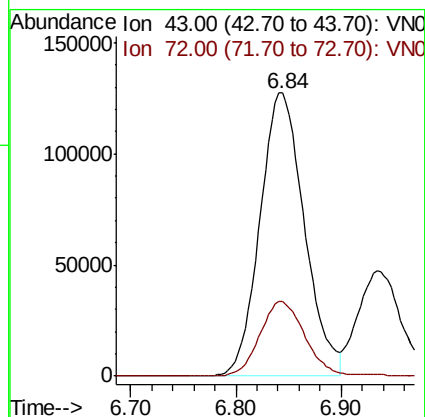
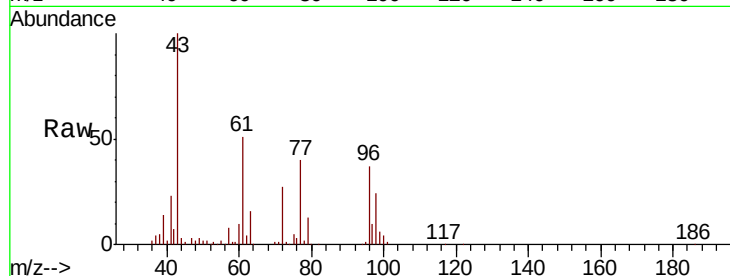
VN0807WBS01

Tot Ion: 43 Resp: 371533

Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3



#26

2,2-Dichloropropane

Concen: 18.64 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050427.D

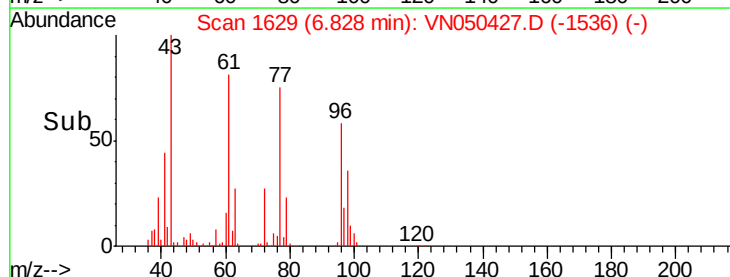
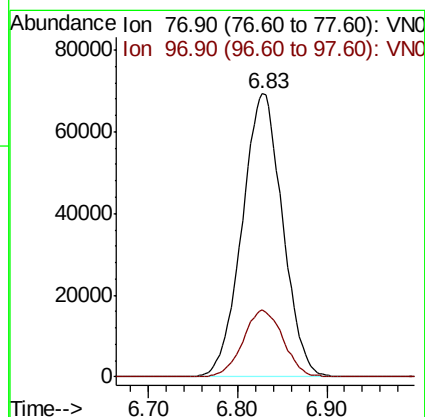
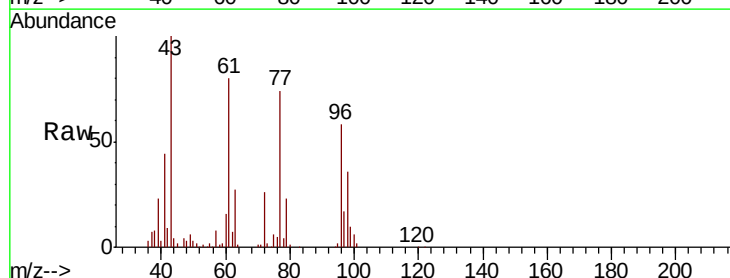
Acq: 7 Aug 2018 13:22

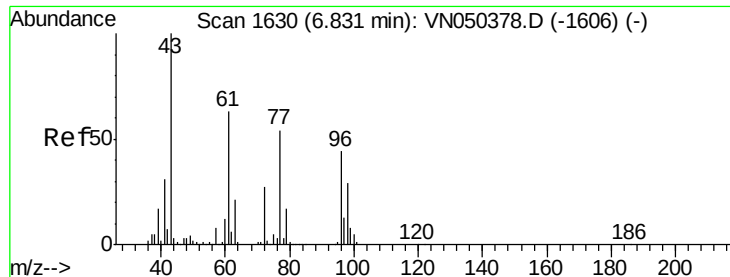
Tgt Ion: 77 Resp: 218815

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

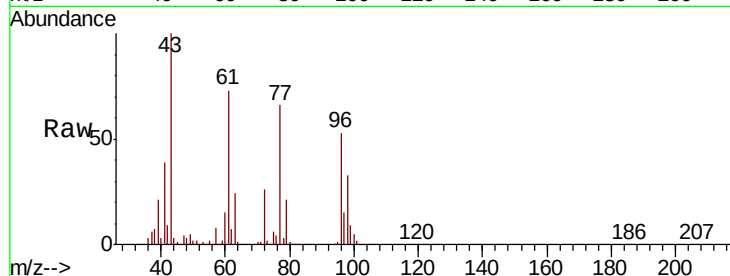
Tot Ion: 96 Resp: 161673

Ion Ratio Lower Upper

96 100

61 141.6 0.0 285.0

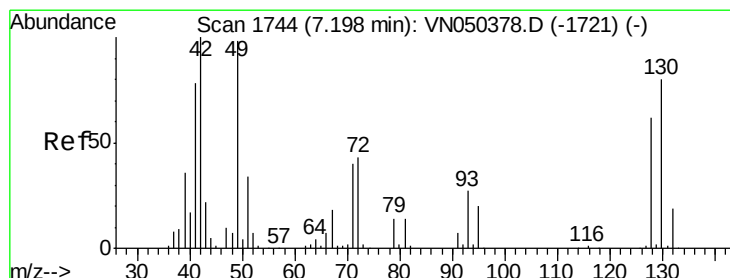
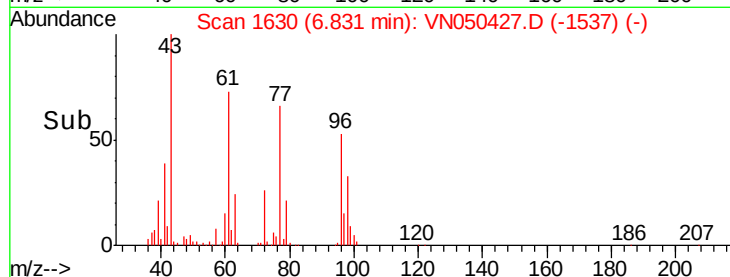
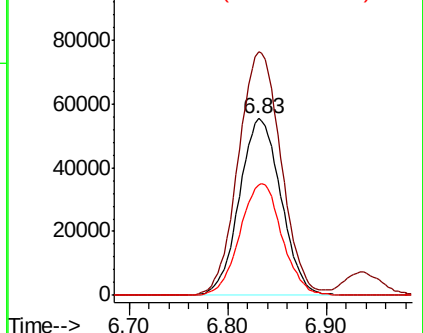
98 63.9 0.0 129.2



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: 19.78 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

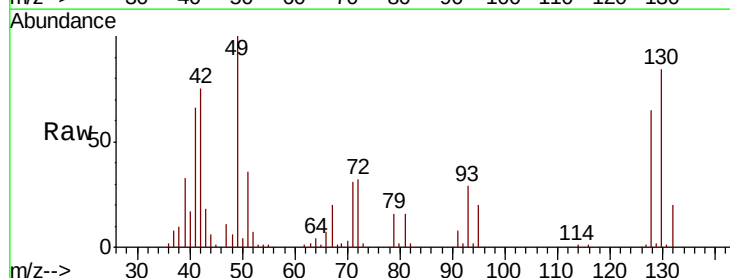
Tgt Ion: 49 Resp: 129652

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

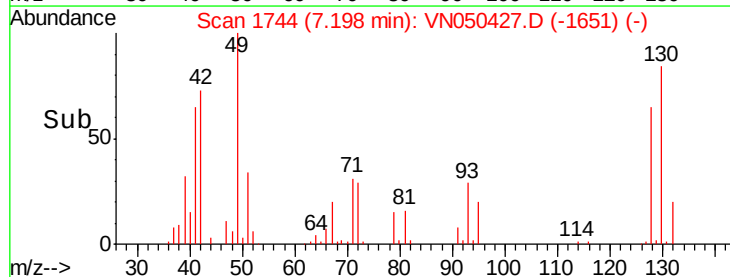
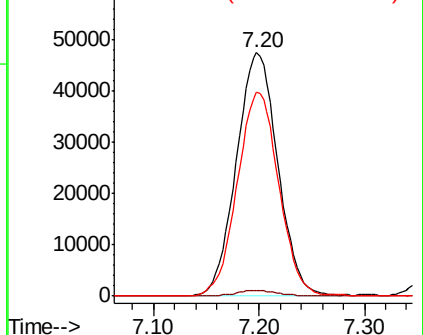
130 83.8 66.3 99.5

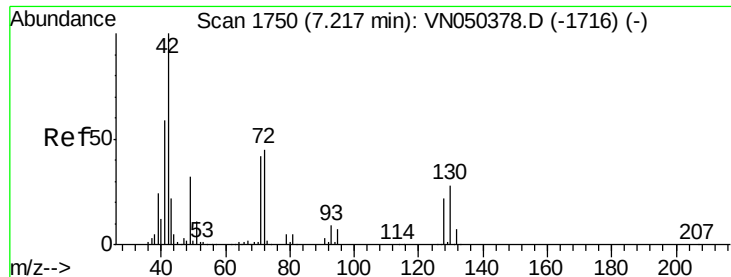


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

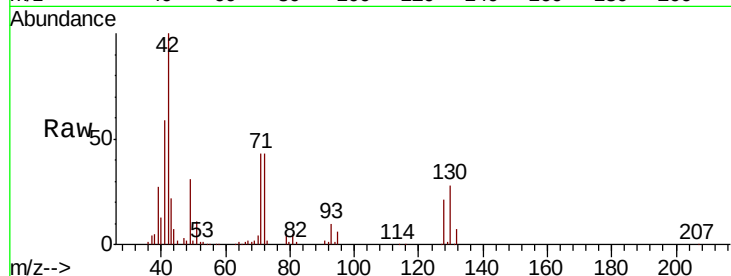




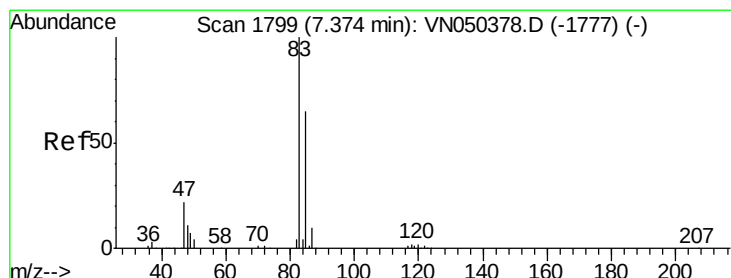
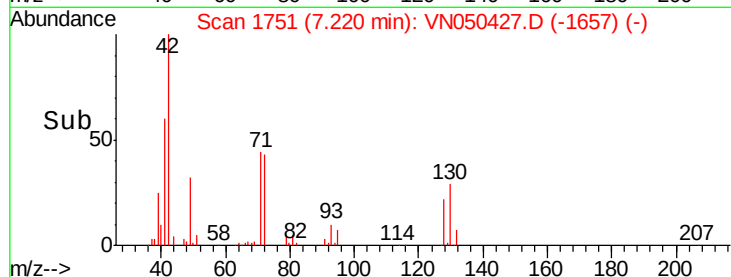
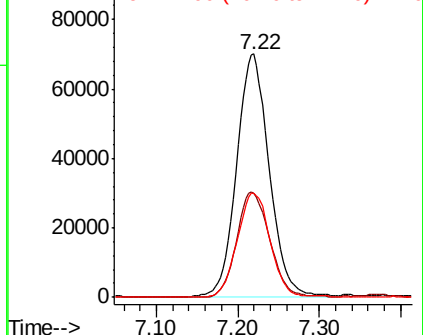
#29
Tetrahydrofuran
Concen: 83.01 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion: 42 Resp: 192452
Ion Ratio Lower Upper
42 100
72 44.2 35.9 53.9
71 43.3 33.7 50.5

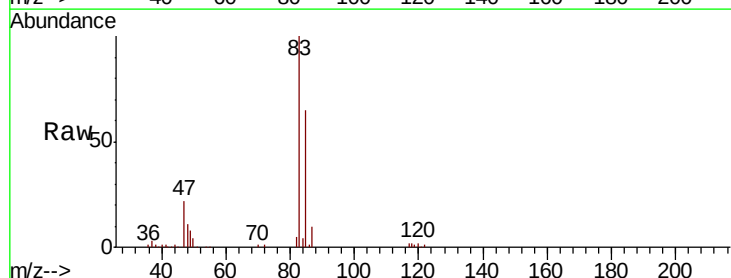


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

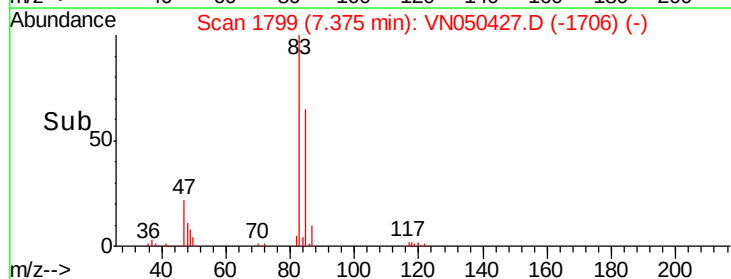
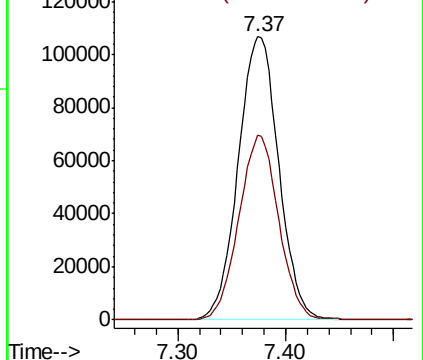


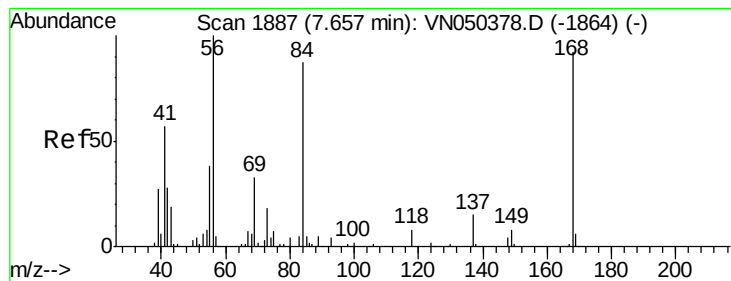
#30
Chloroform
Concen: 19.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 83 Resp: 279114
Ion Ratio Lower Upper
83 100
85 65.1 52.5 78.7



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





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

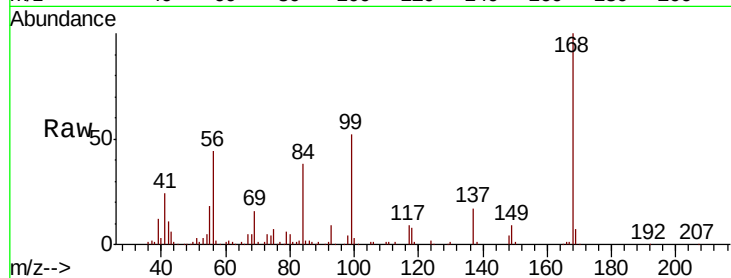
Tot Ion: 56 Resp: 240785

Ion Ratio Lower Upper

56 100

69 35.6 26.2 39.4

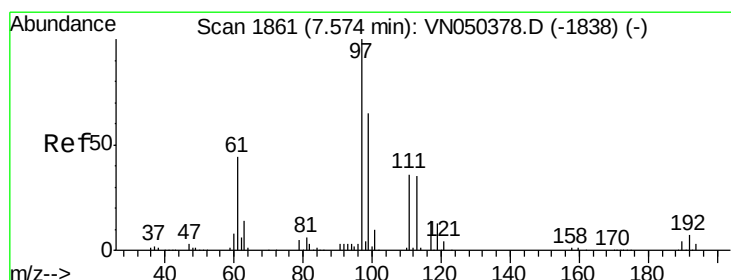
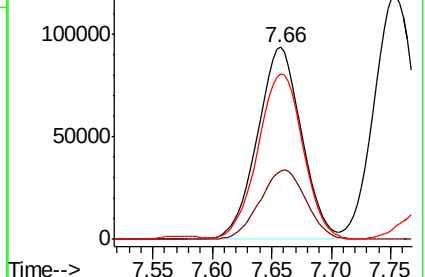
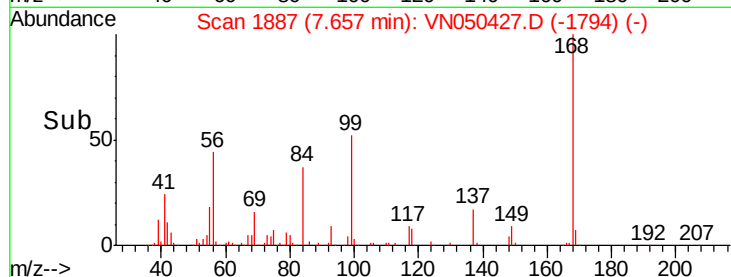
84 84.4 67.4 101.0



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: 19.32 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

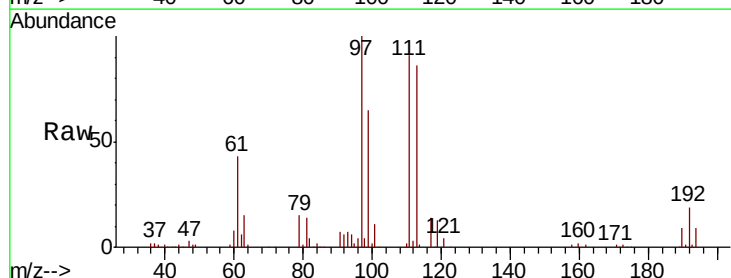
Tgt Ion: 97 Resp: 236151

Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

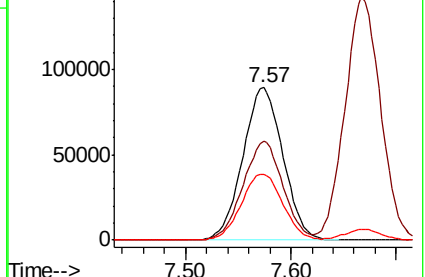
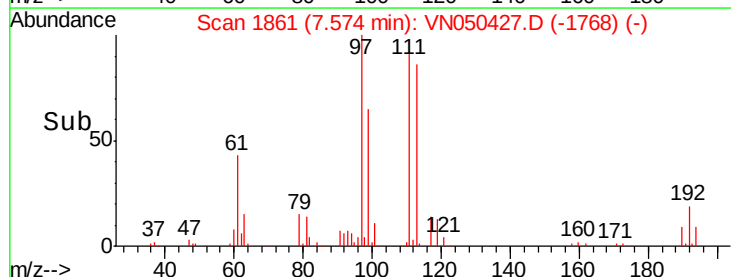
61 44.8 35.4 53.0

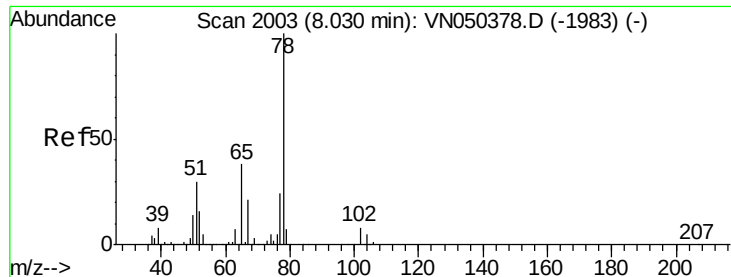


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

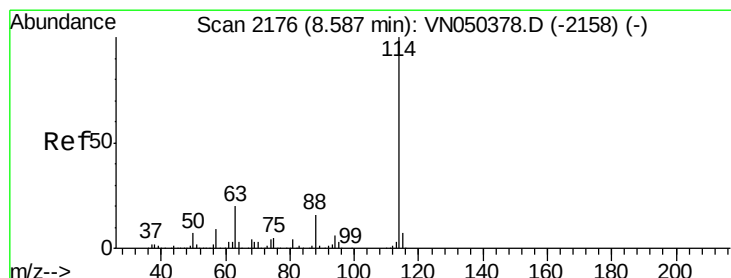
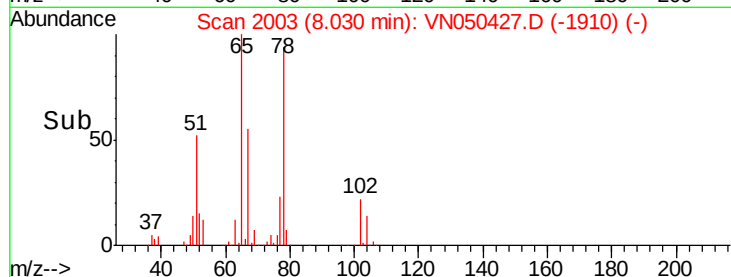
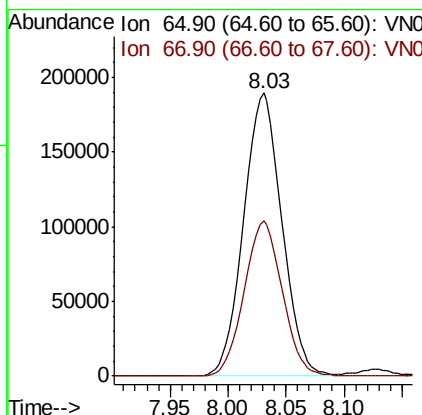
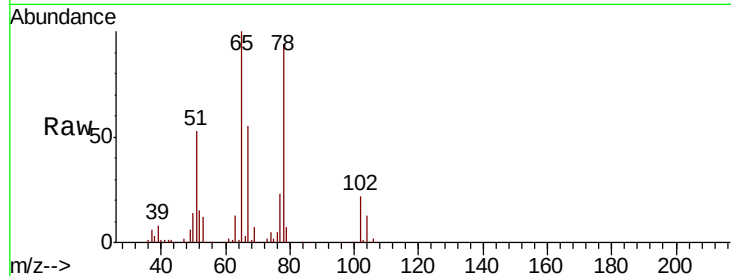




#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

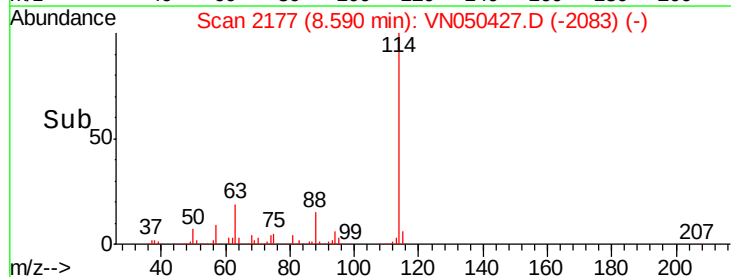
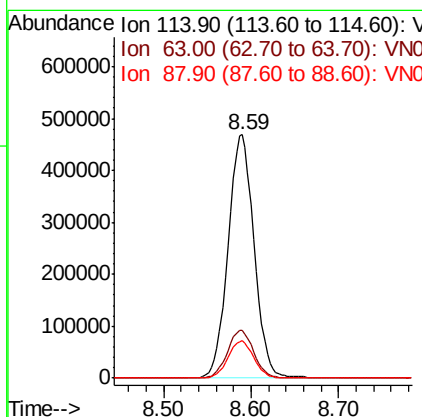
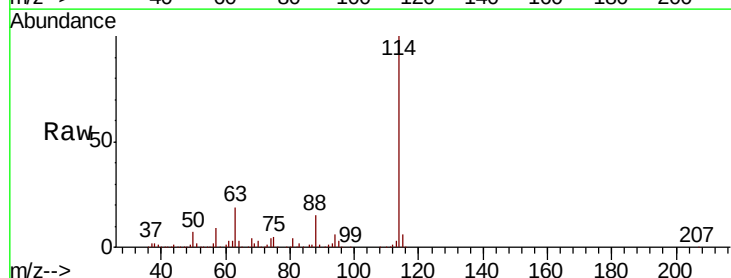
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

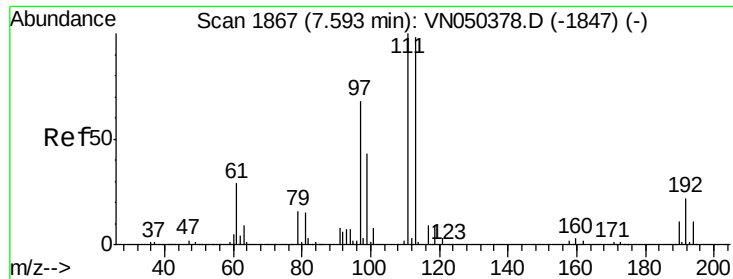
Tot Ion: 65 Resp: 437085
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 114 Resp: 967326
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.3 0.0 31.2

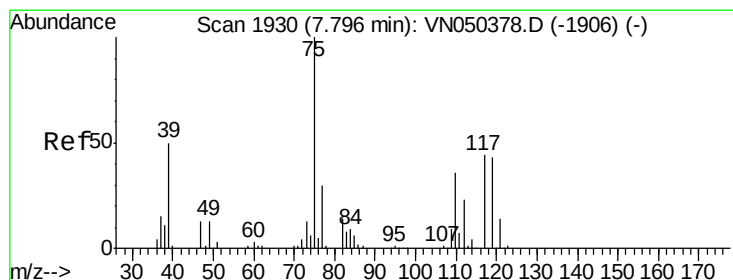
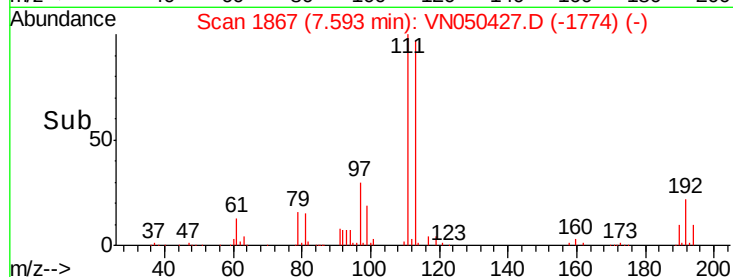
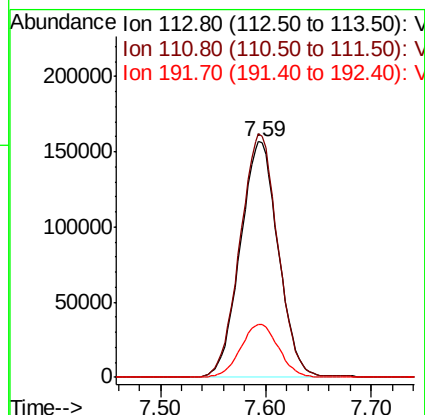
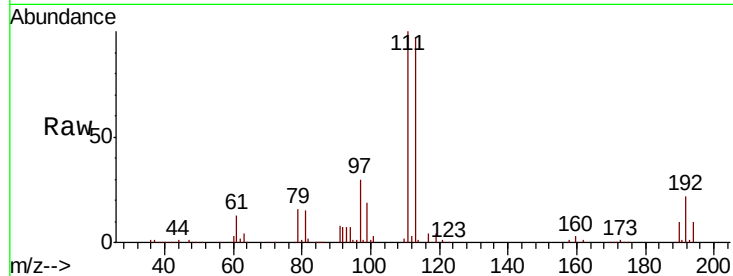




#35
 Dibromofluoromethane
 Concen: 50.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

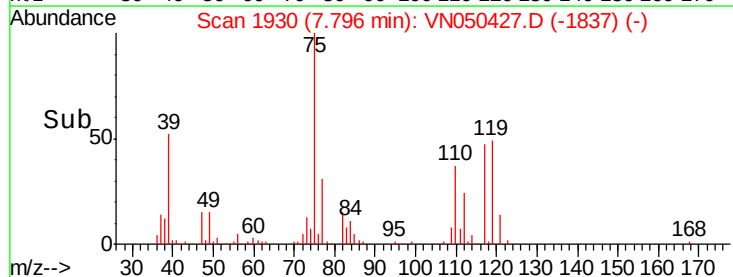
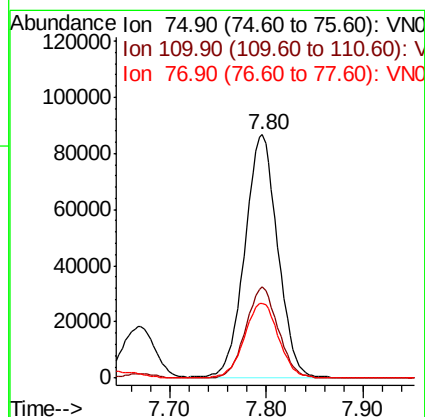
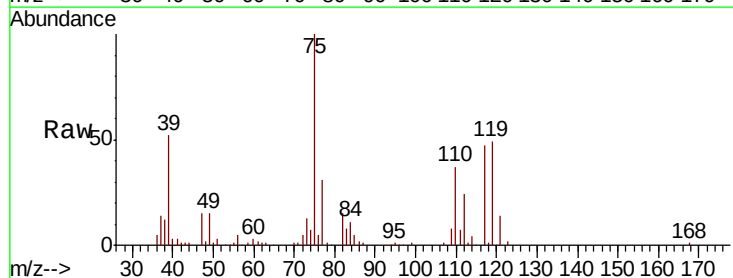
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

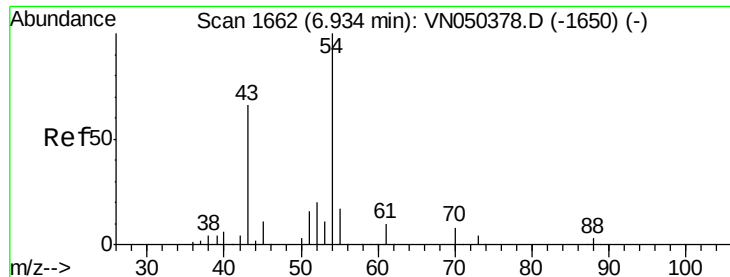
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.7	121.1
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.19 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	32.3	25.3	37.9

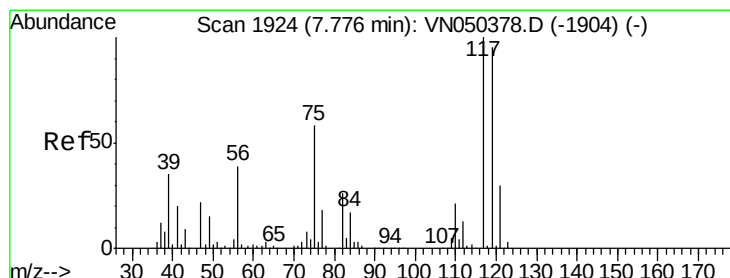
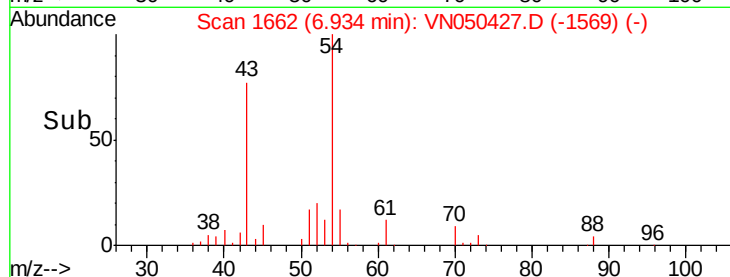
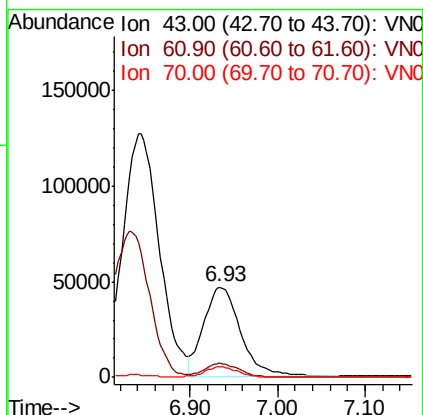
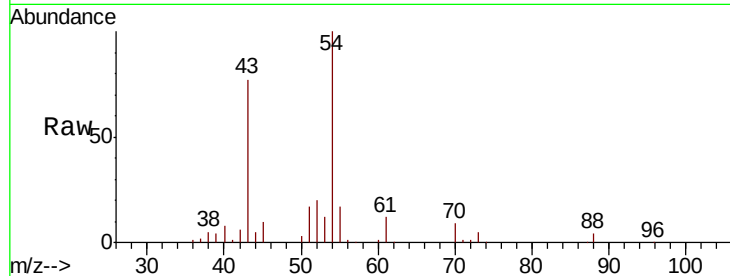




#37
Ethyl Acetate
Concen: 17.90 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

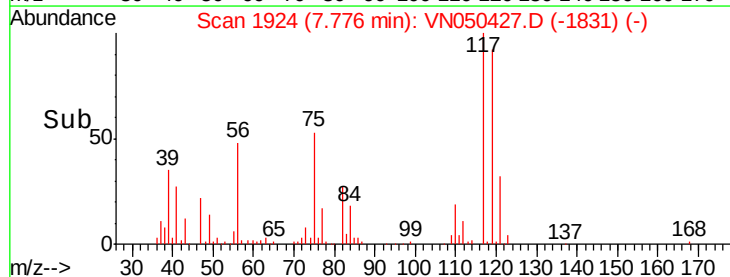
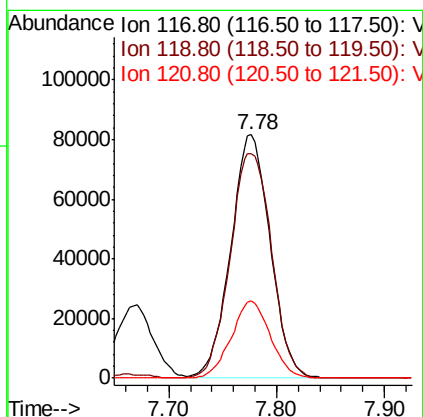
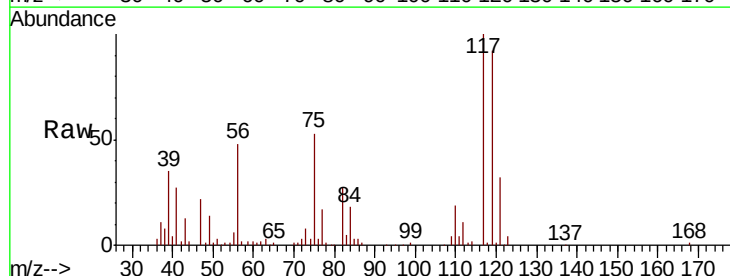
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

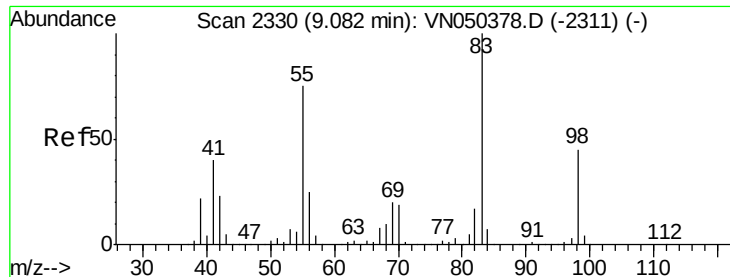
Tot Ion: 43 Resp: 137021
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.72 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 117 Resp: 207546
Ion Ratio Lower Upper
117 100
119 92.3 77.4 116.0
121 31.5 23.9 35.9

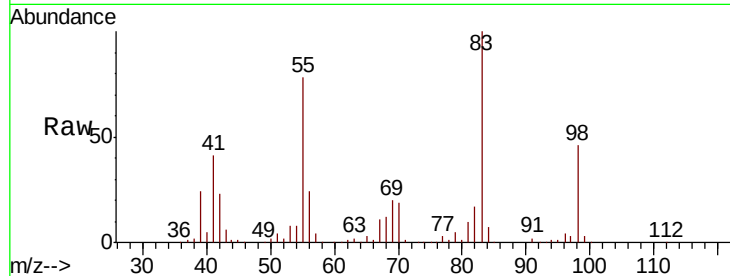




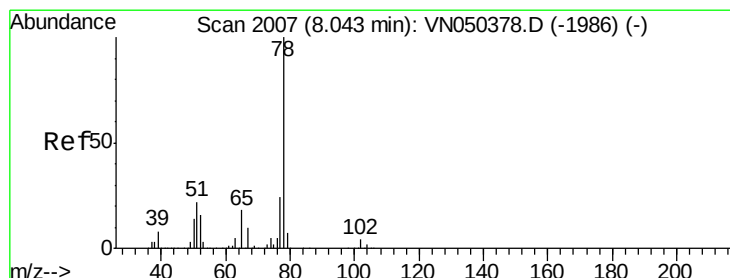
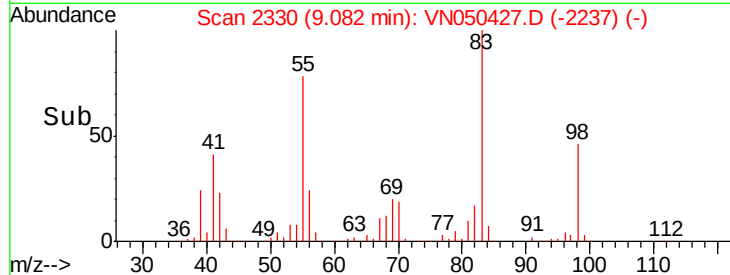
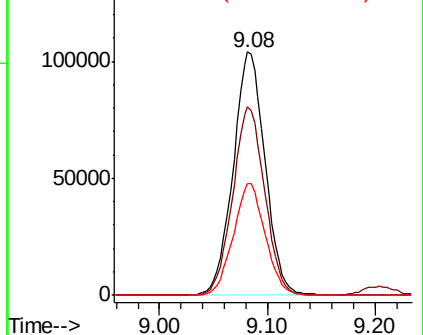
#39
Methylvlcyclohexane
Concen: 18.50 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	83.00	Resp	214657
Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.8
98	46.1	36.5	54.7

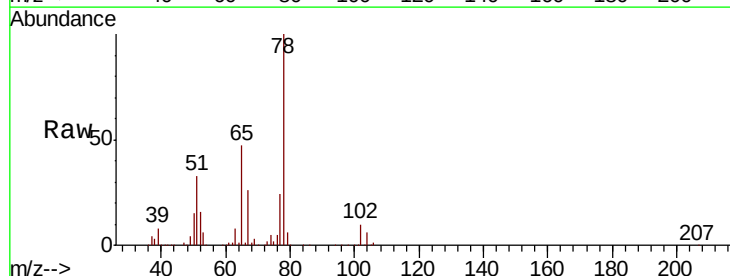


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

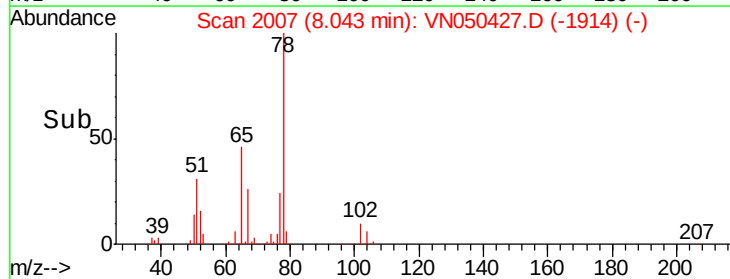
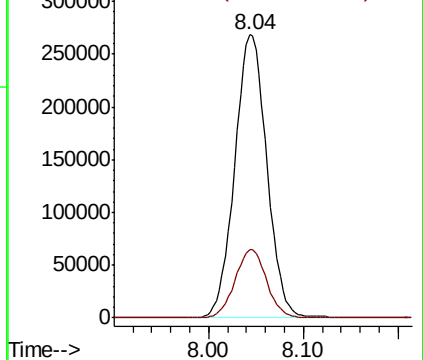


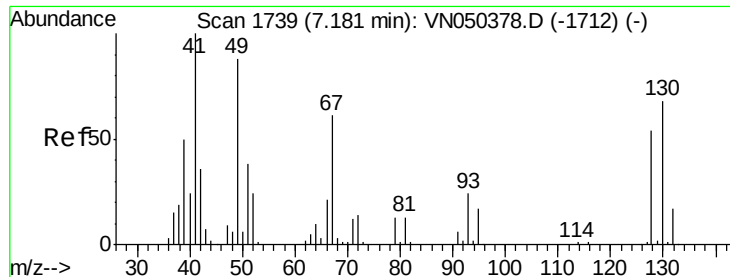
#40
Benzene
Concen: 19.36 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	78.00	Resp	632587
Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1



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

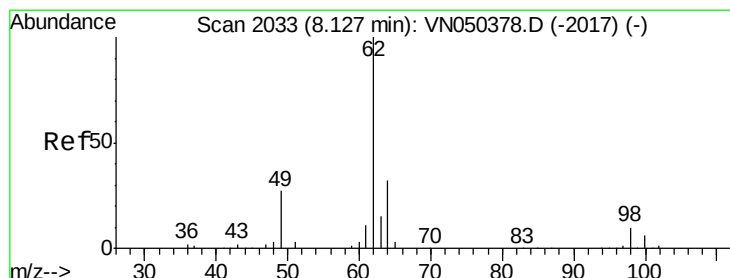
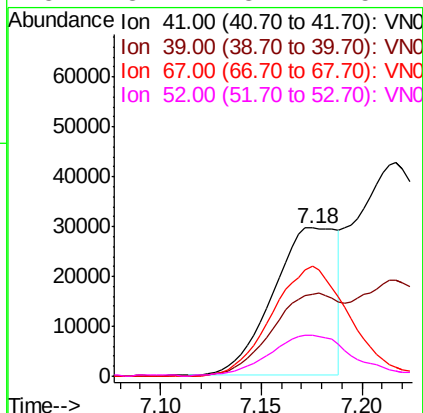
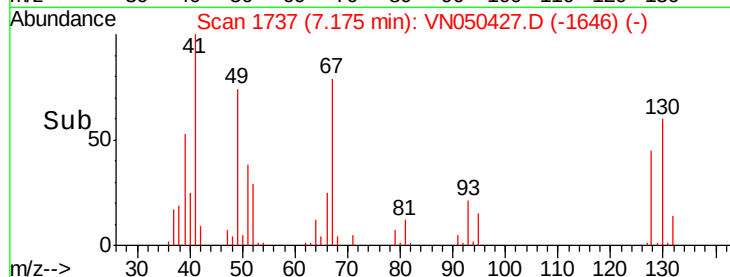
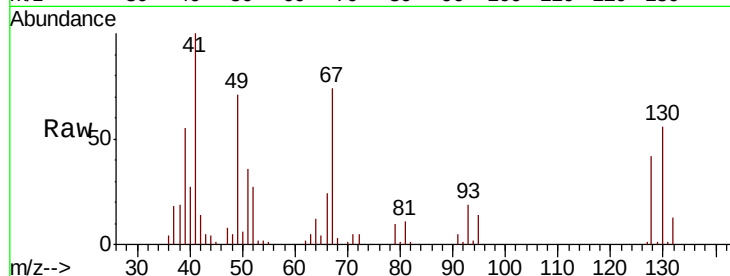




#41
Methacrylonitrile
Concen: 16.06 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

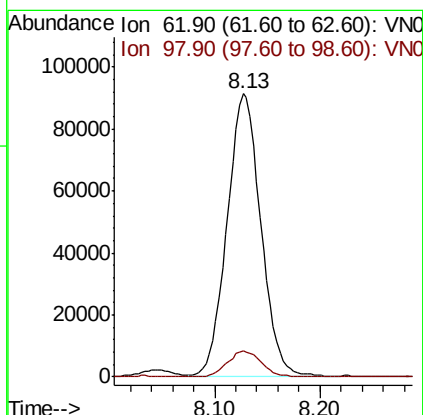
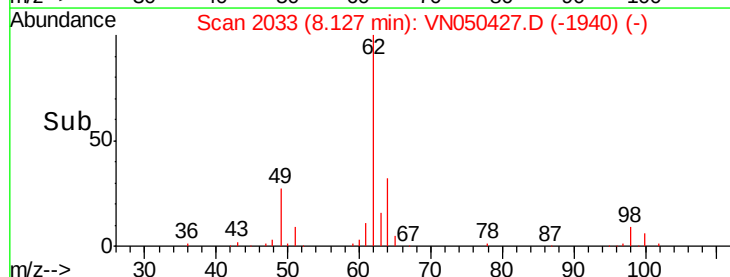
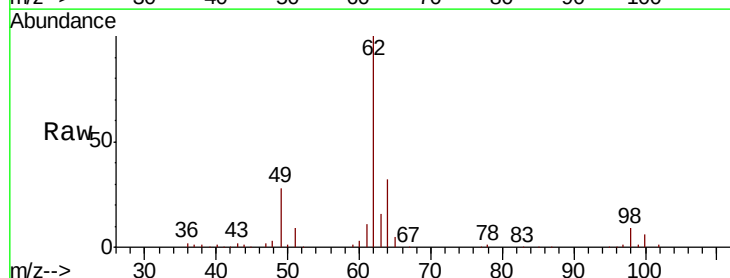
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

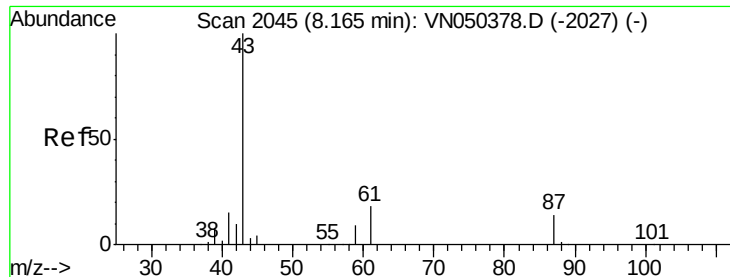
Tot Ion: 41 Resp: 65354
Ion Ratio Lower Upper
41 100
39 60.3 55.8 83.6
67 90.9 84.3 126.5
52 37.2 34.2 51.2



#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 62 Resp: 201551
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.8





#43

Isopropyl Acetate

Concen: 18.22 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

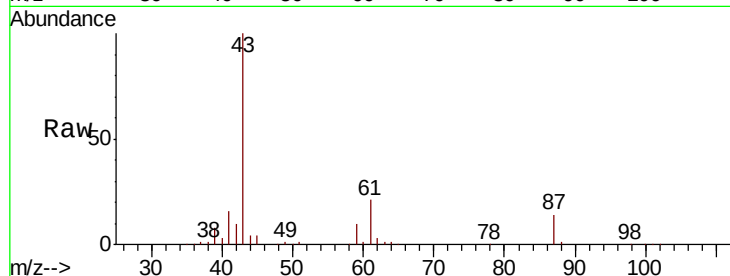
Tot Ion: 43 Resp: 240776

Ion Ratio Lower Upper

43 100

61 19.9 15.8 23.6

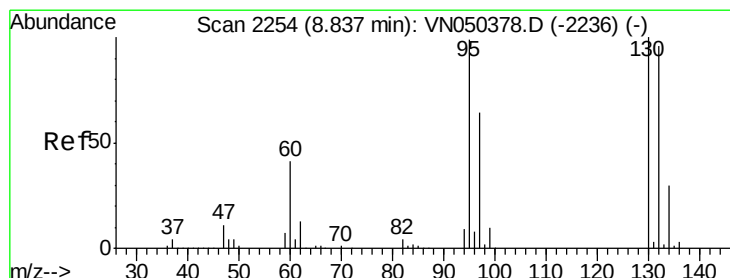
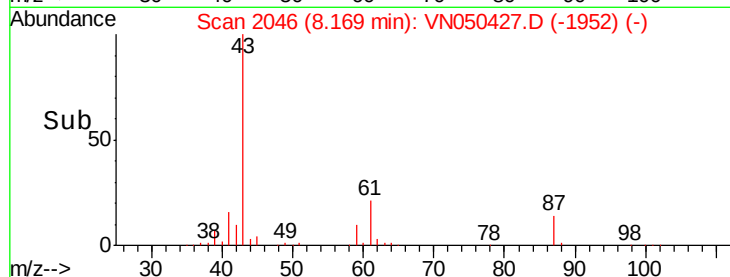
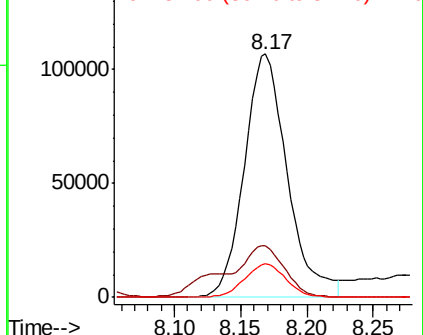
87 13.4 10.3 15.5



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: 18.74 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050427.D

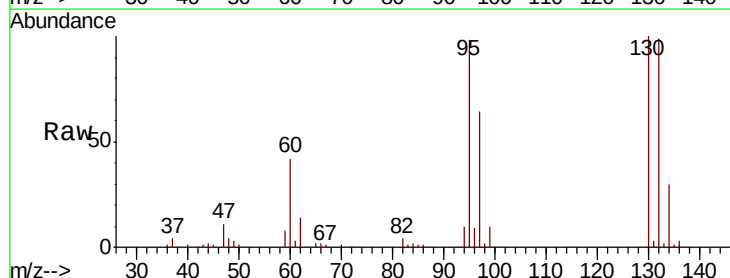
Acq: 7 Aug 2018 13:22

Tgt Ion:130 Resp: 164524

Ion Ratio Lower Upper

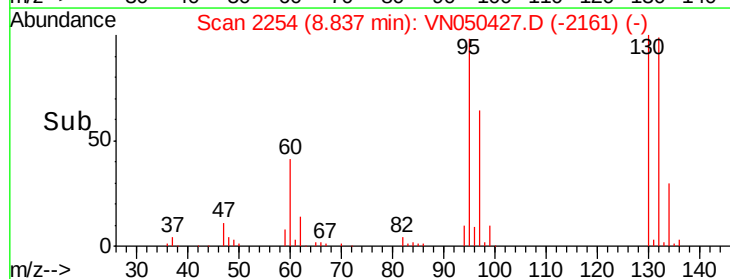
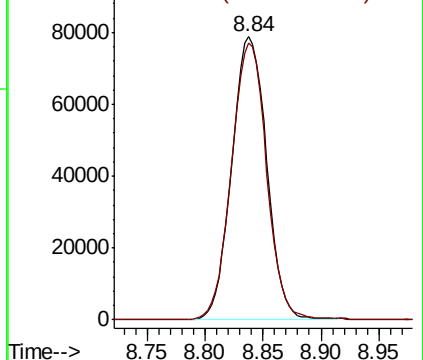
130 100

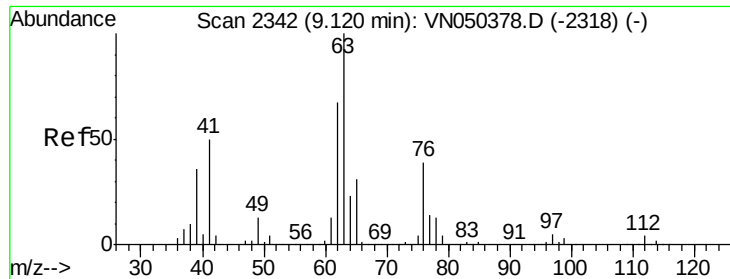
95 97.7 0.0 194.6



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# 2343

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

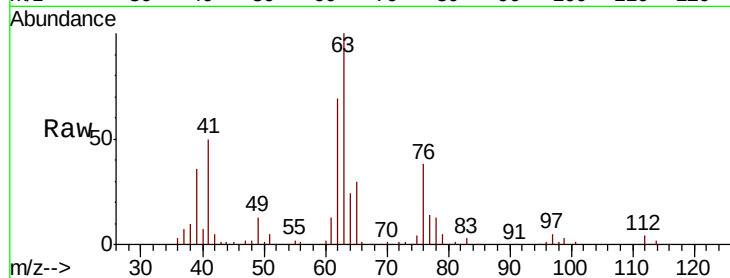
VN0807WBS01

Tot Ion: 63 Resp: 166632

Ion Ratio Lower Upper

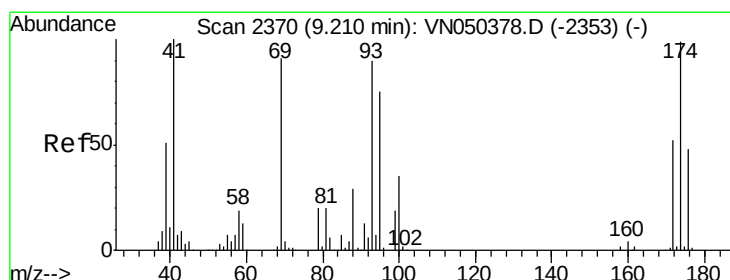
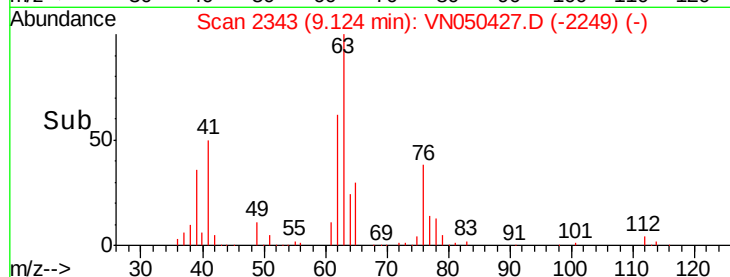
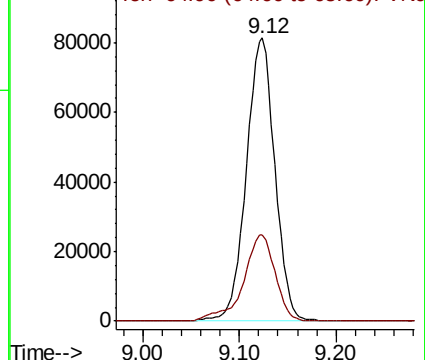
63 100

65 30.3 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: 18.90 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

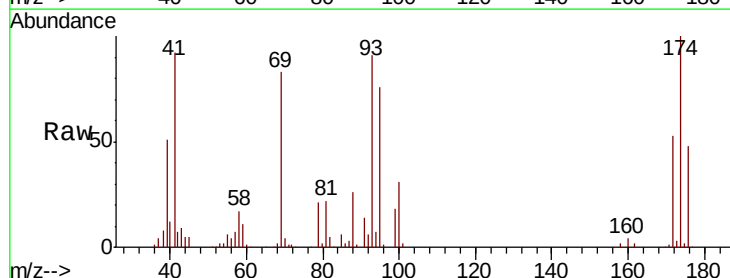
Tgt Ion: 93 Resp: 100277

Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

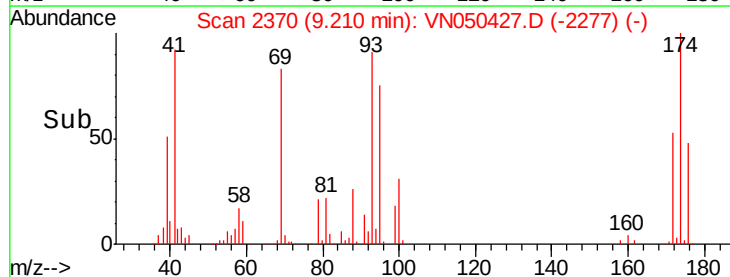
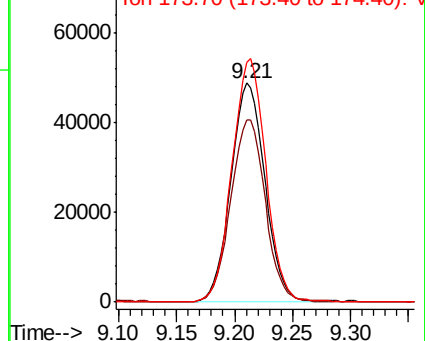
174 109.3 87.1 130.7

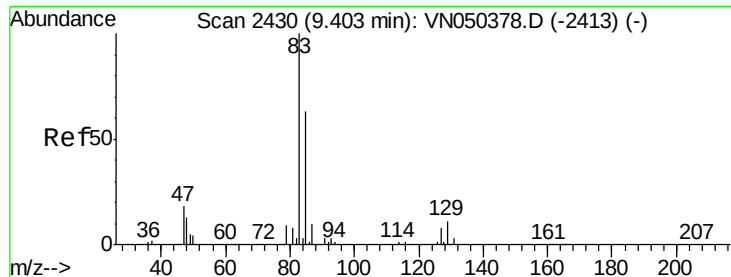


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.14 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

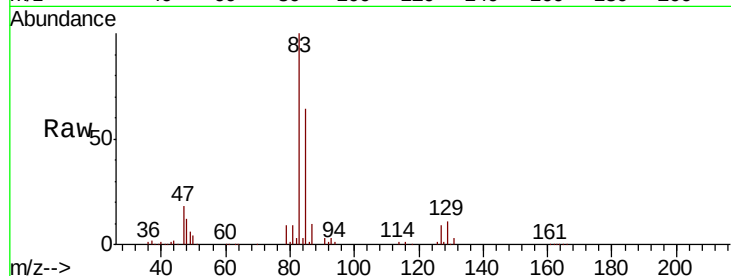
Tot Ion: 83 Resp: 210326

Ion Ratio Lower Upper

83 100

85 64.1 51.1 76.7

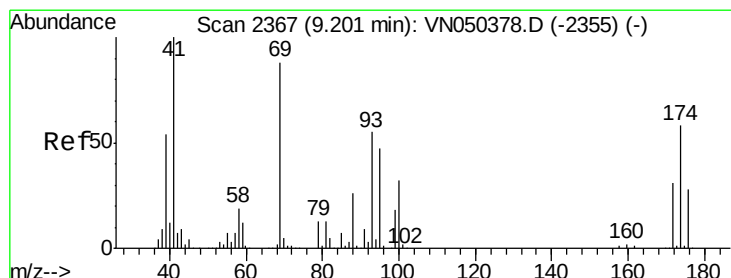
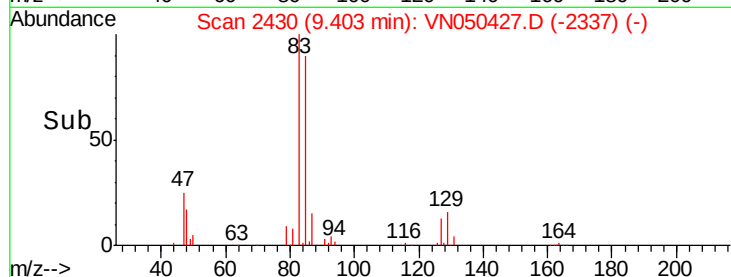
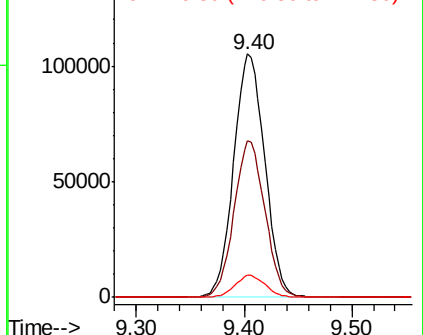
127 9.0 7.0 10.4



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: 17.40 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

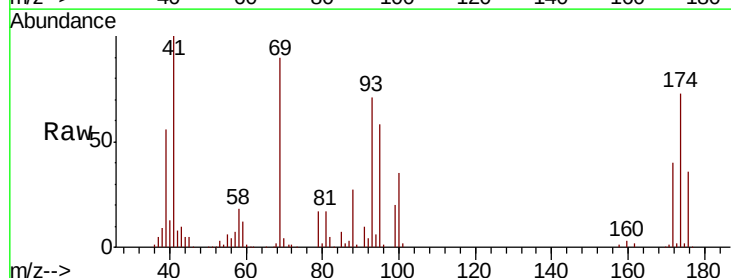
Tgt Ion: 41 Resp: 115248

Ion Ratio Lower Upper

41 100

69 88.2 70.6 105.8

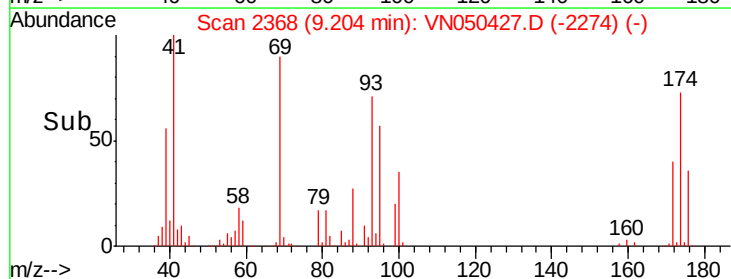
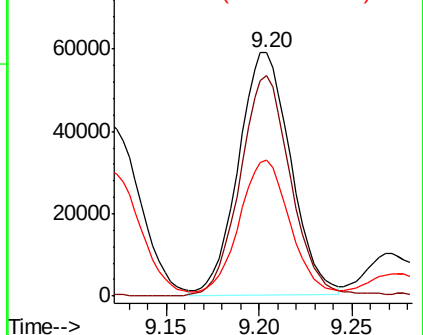
39 54.1 43.9 65.9

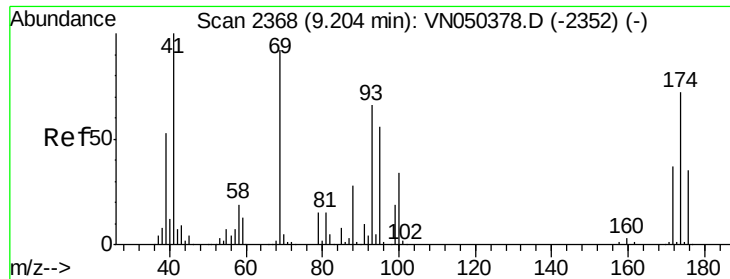


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

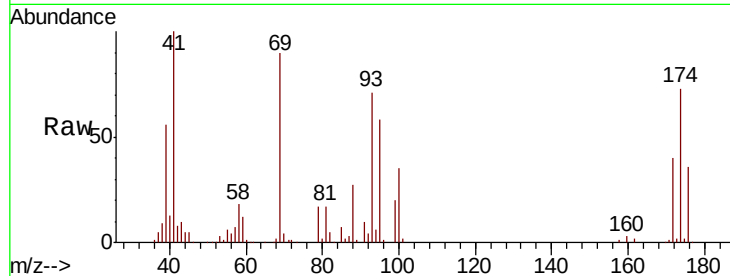




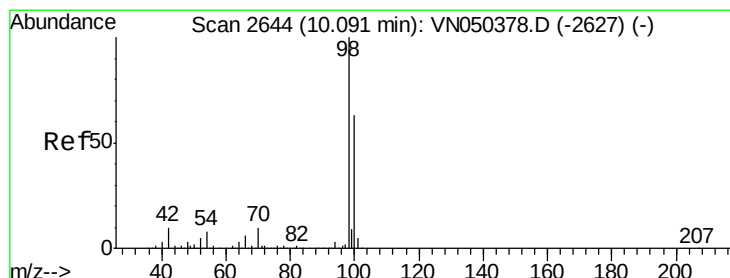
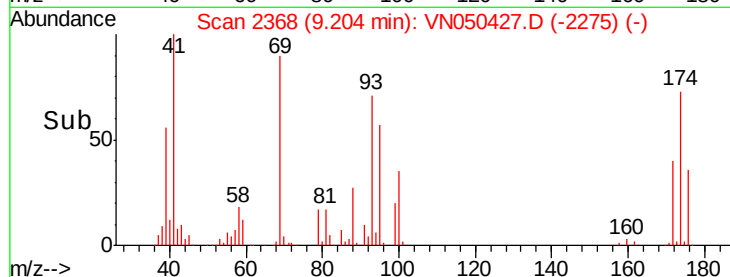
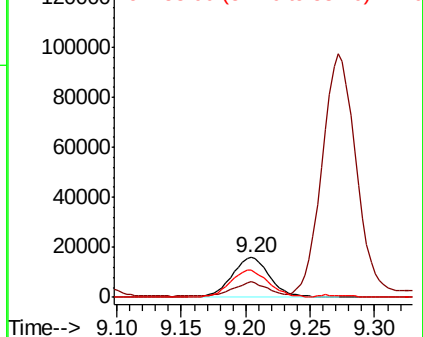
#49
 1,4-Dioxane
 Concen: 320.98 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Tot Ion: 88 Resp: 32765
 Ion Ratio Lower Upper
 88 100
 43 32.4 26.9 40.3
 58 69.4 57.3 85.9

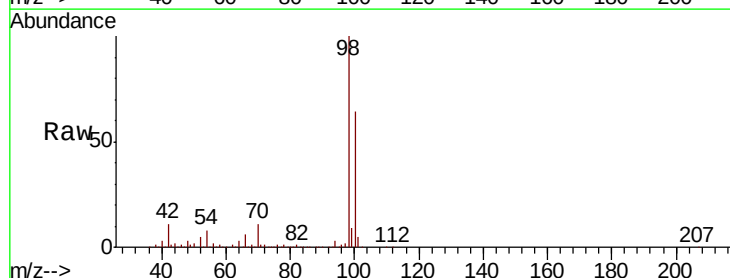


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

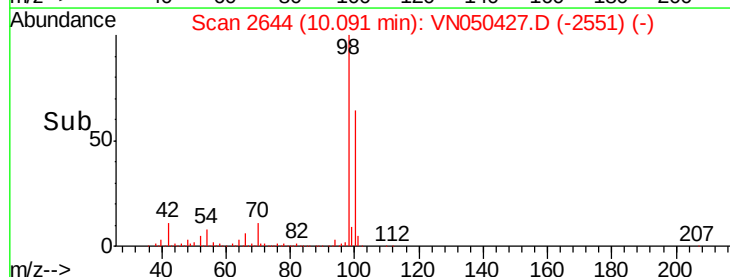
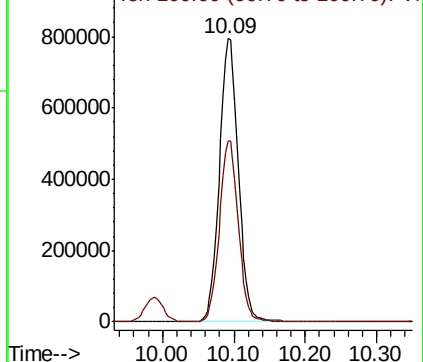


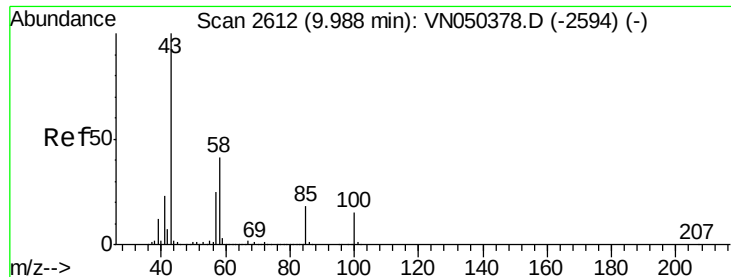
#50
 Toluene-d8
 Concen: 50.05 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 98 Resp: 1460508
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.7 76.1



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

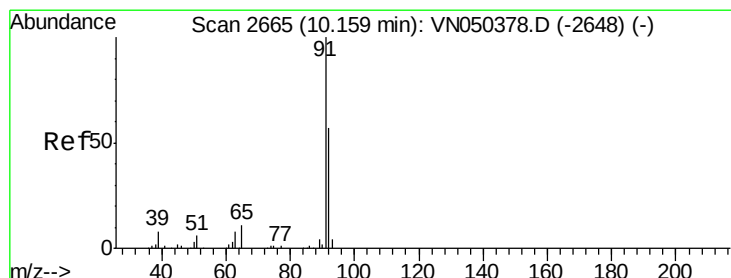
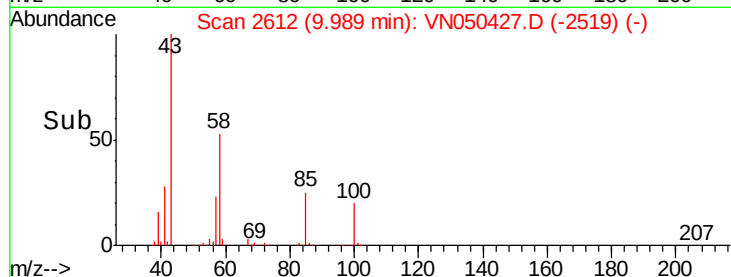
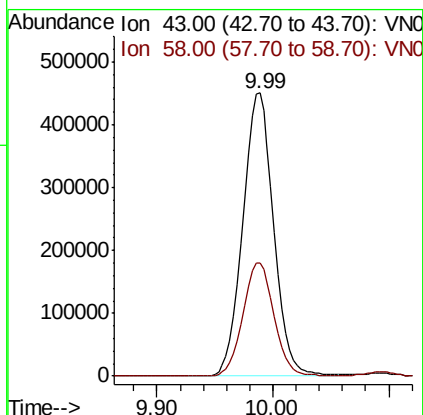
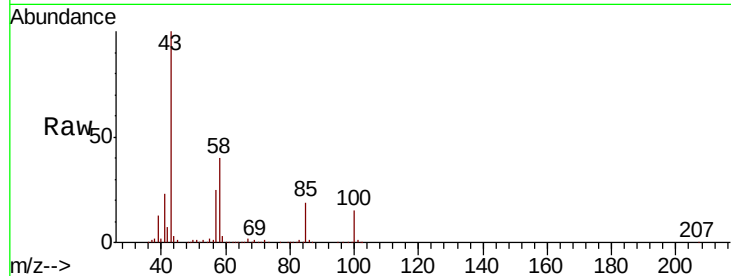




#51
 4-Methyl-2-Pentanone
 Concen: 87.38 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

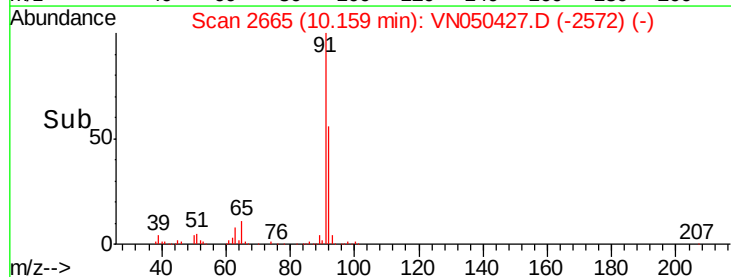
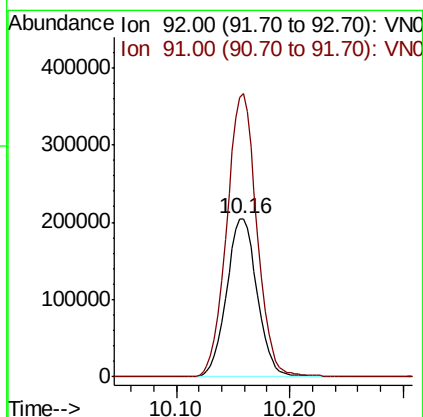
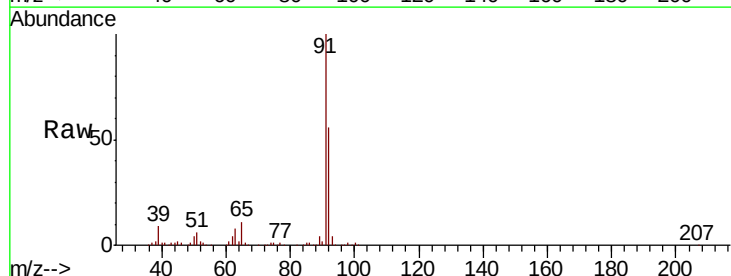
Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

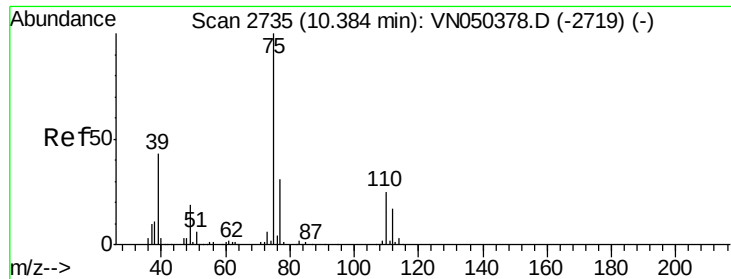
Tot Ion: 43 Resp: 831445
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9



#52
 Toluene
 Concen: 19.58 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 92 Resp: 384221
 Ion Ratio Lower Upper
 92 100
 91 176.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.24 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

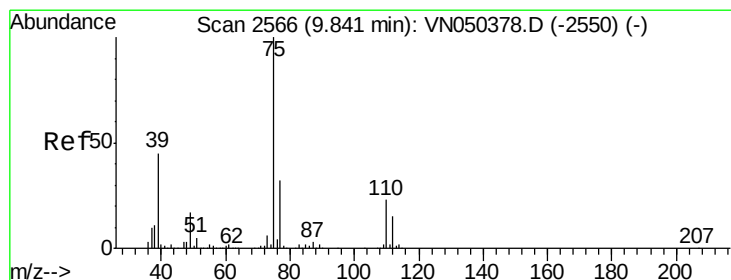
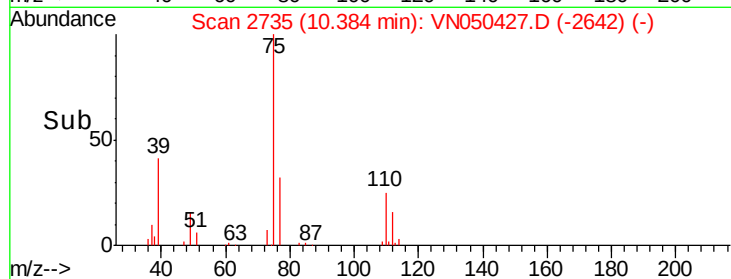
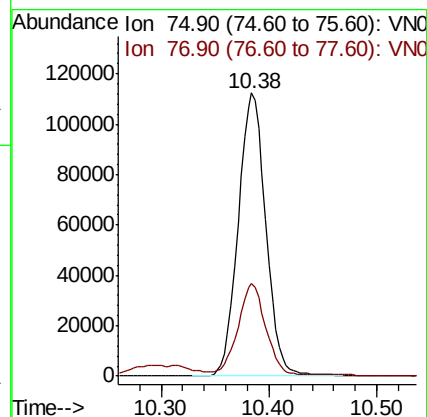
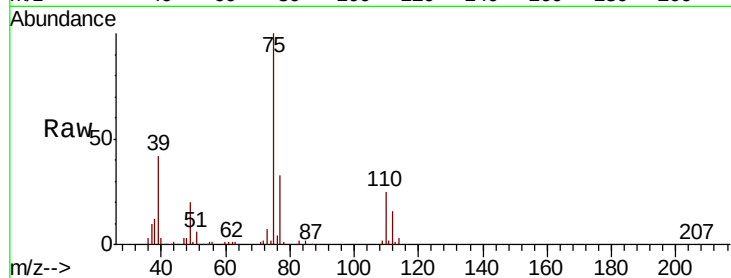
VN0807WBS01

Tot Ion: 75 Resp: 201210

Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.18 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

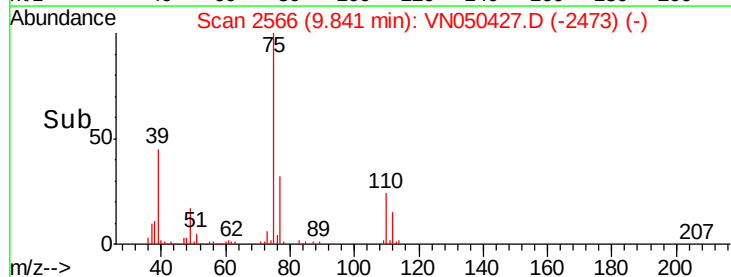
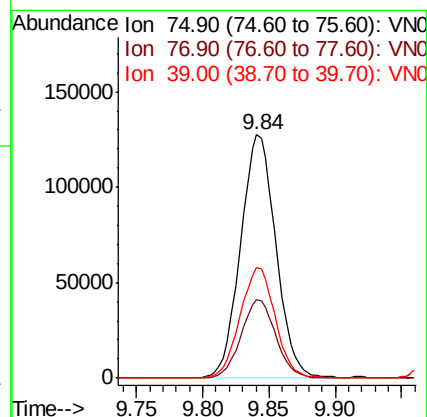
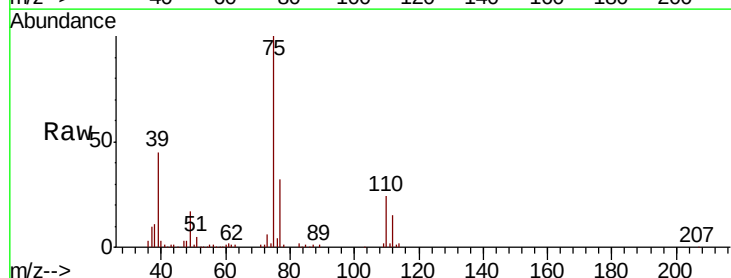
Tgt Ion: 75 Resp: 236196

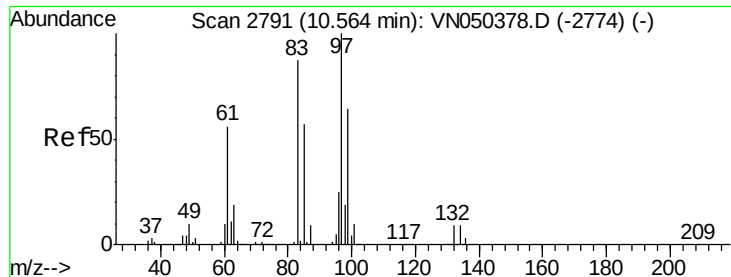
Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 45.4 36.6 55.0

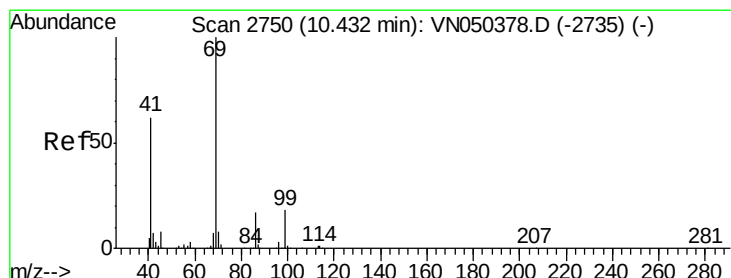
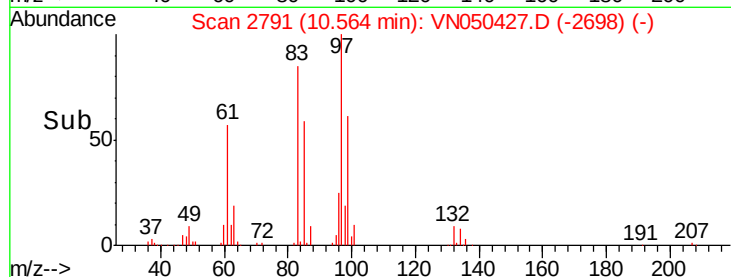
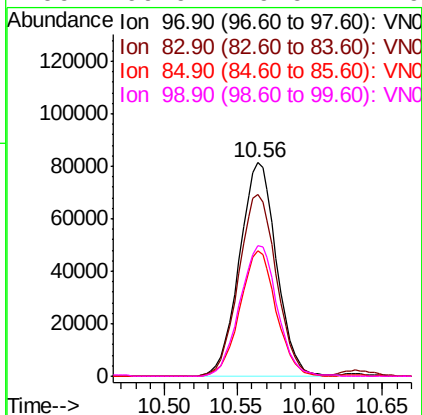
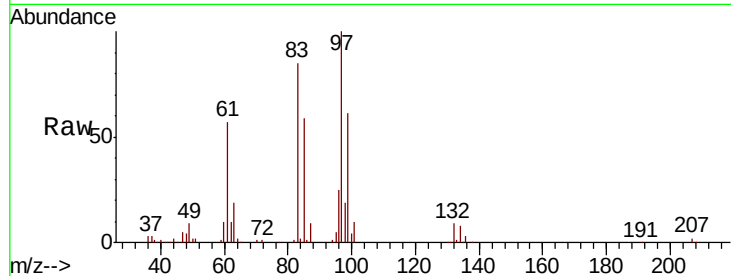




#55
 1,1,2-Trichloroethane
 Concen: 18.88 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

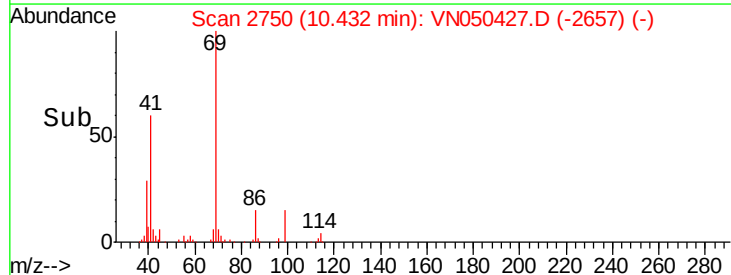
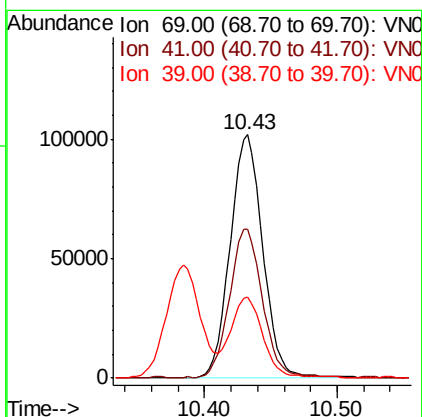
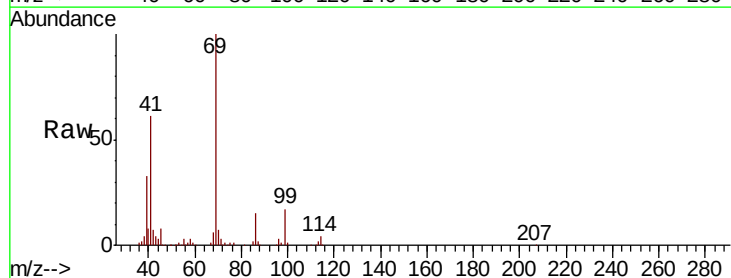
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

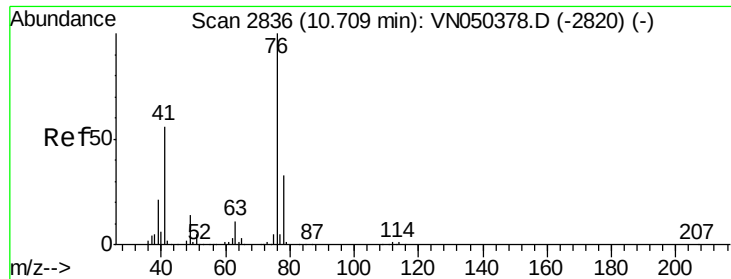
Tot Ion	97	Resp	144687
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.2	103.8
85	58.7	44.0	66.0
99	60.9	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 17.20 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	69	Resp	173892
Ion	Ratio	Lower	Upper
69	100		
41	61.0	51.0	76.4
39	32.3	26.6	40.0





#57

1,3-Dichloropropane

Concen: 18.88 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

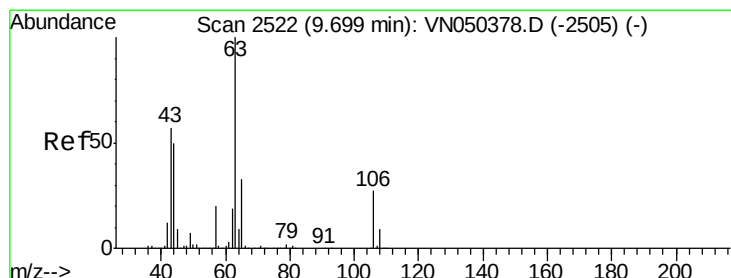
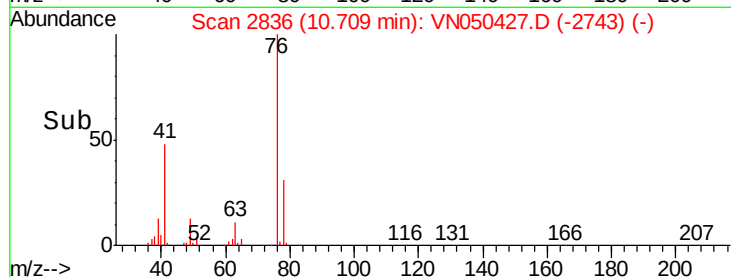
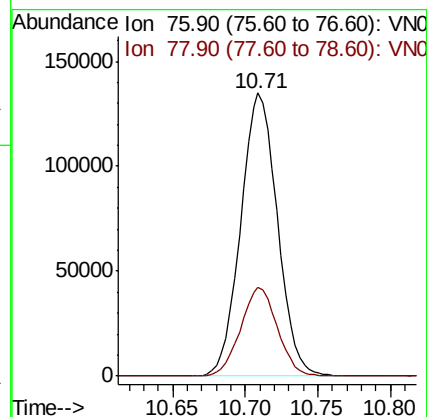
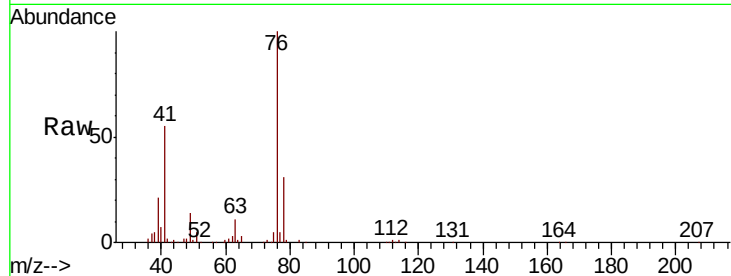
VN0807WBS01

Tot Ion: 76 Resp: 237478

Ion Ratio Lower Upper

76 100

78 31.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 90.30 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050427.D

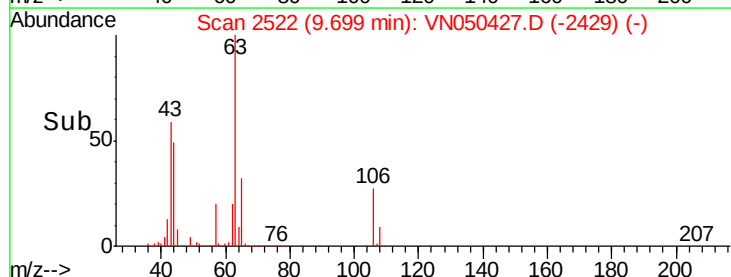
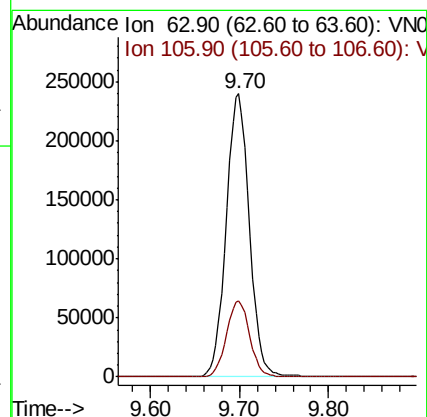
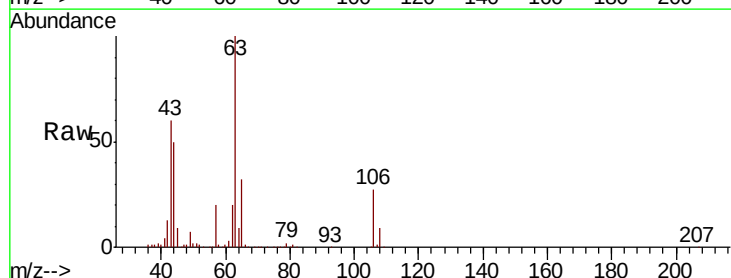
Acq: 7 Aug 2018 13:22

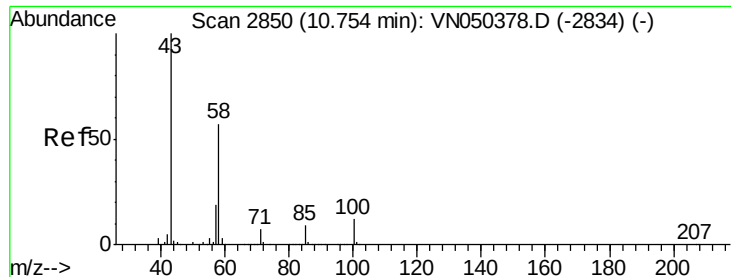
Tgt Ion: 63 Resp: 431841

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5

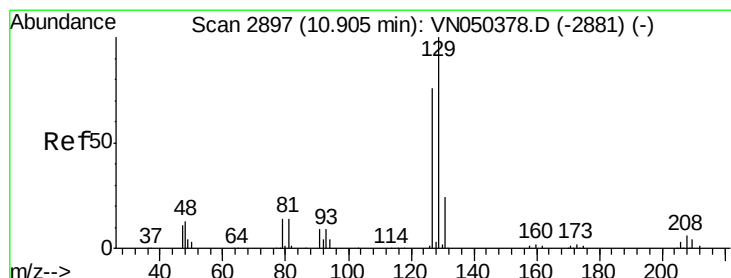
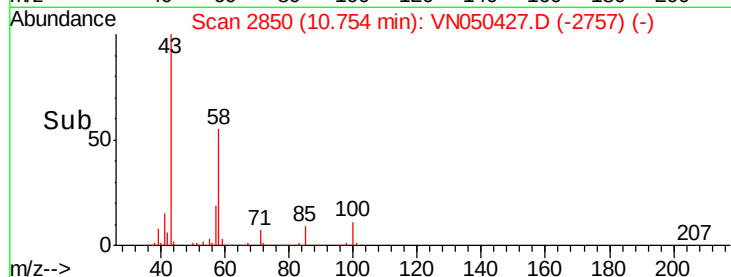
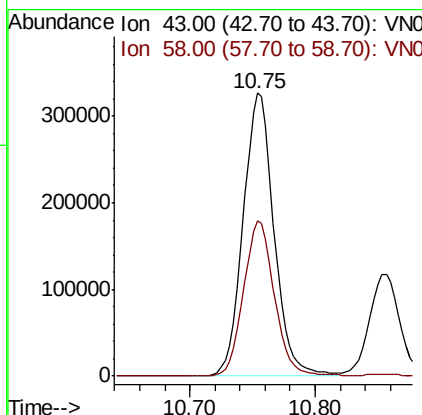
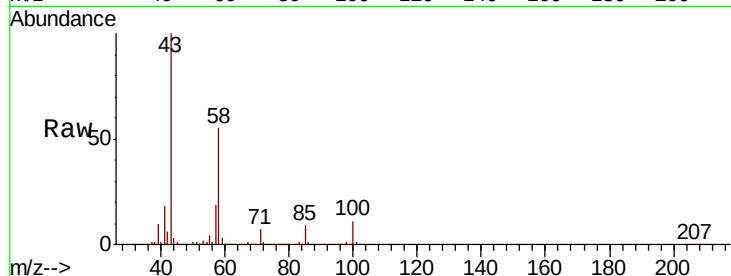




#59
2-Hexanone
Concen: 83.95 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

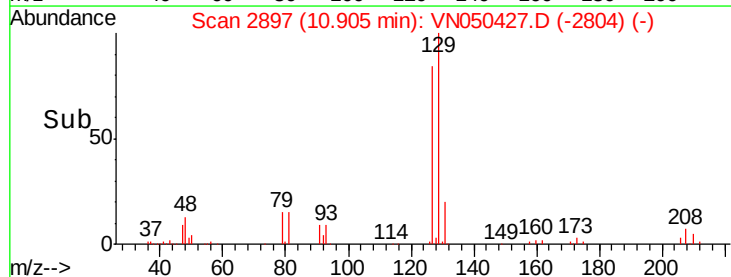
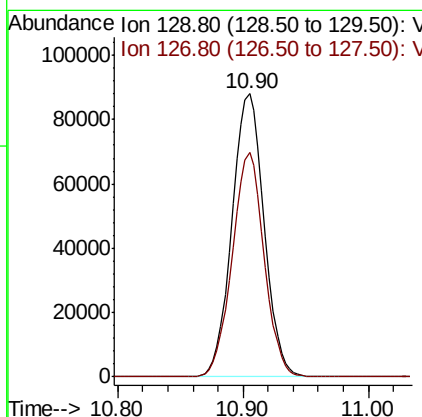
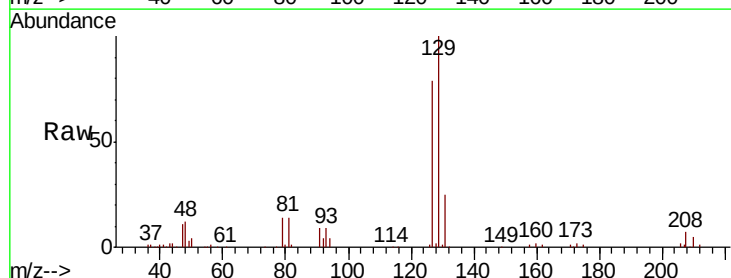
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

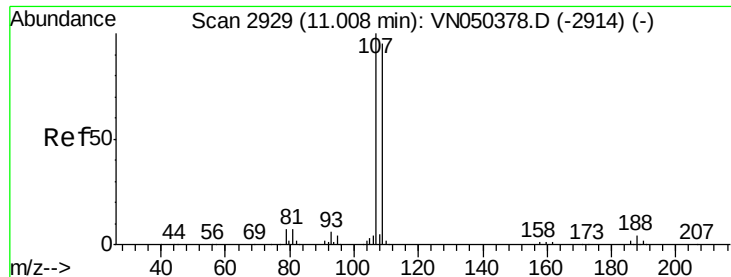
Tot Ion: 43 Resp: 557511
Ion Ratio Lower Upper
43 100
58 55.2 27.6 82.7



#60
Dibromochloromethane
Concen: 18.54 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 129 Resp: 156475
Ion Ratio Lower Upper
129 100
127 78.4 38.0 113.9

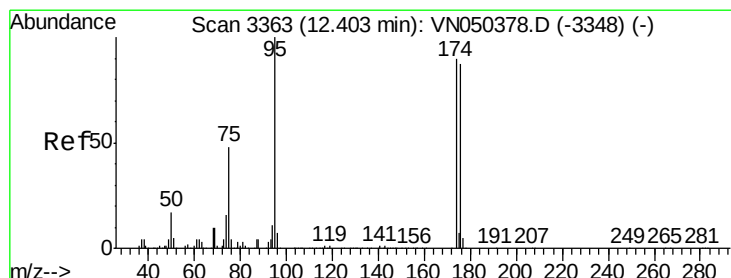
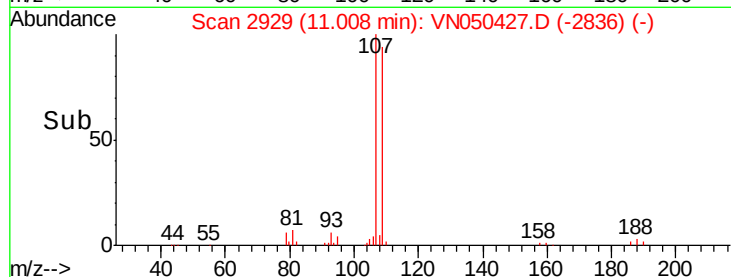
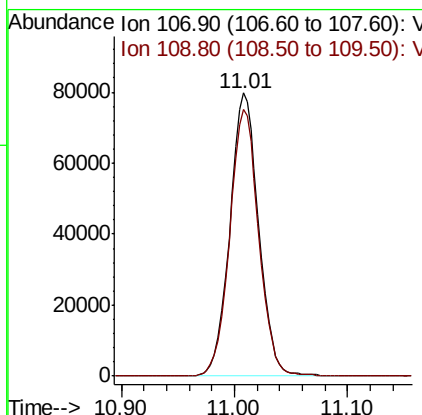
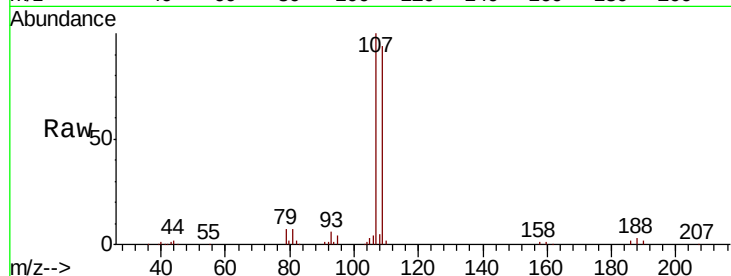




#61
 1,2-Dibromoethane
 Concen: 18.63 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

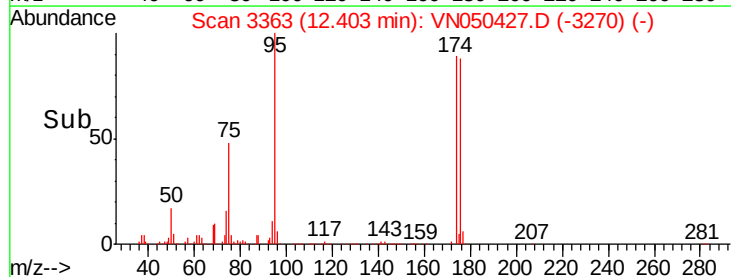
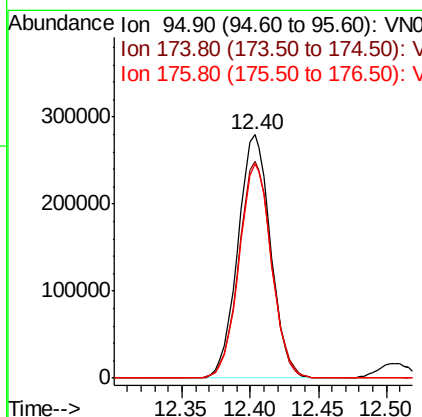
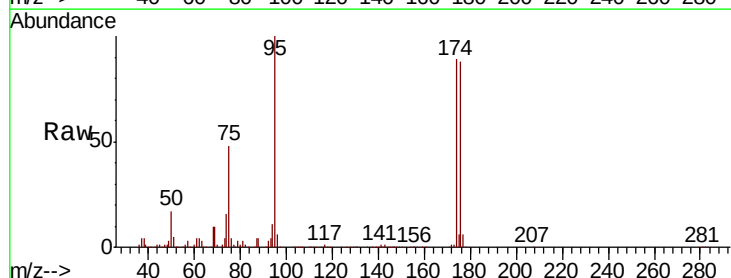
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

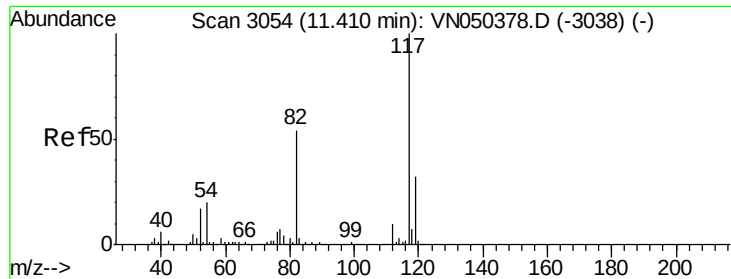
Tot Ion:107 Resp: 140693
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 46.67 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 95 Resp: 464168
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.2
 176 87.1 0.0 173.4

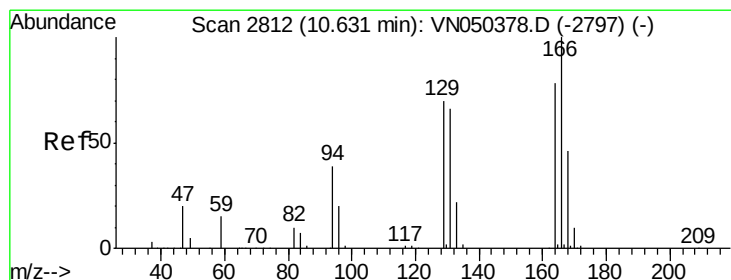
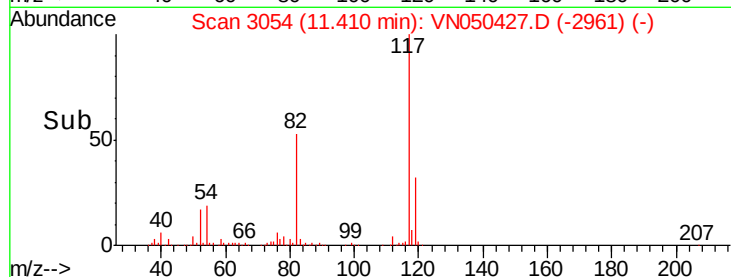
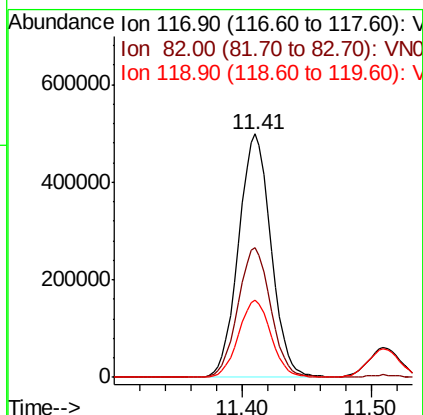
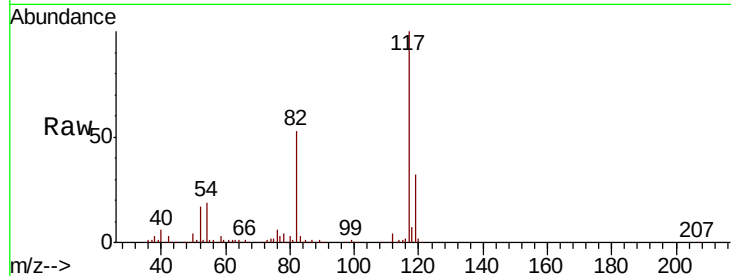




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

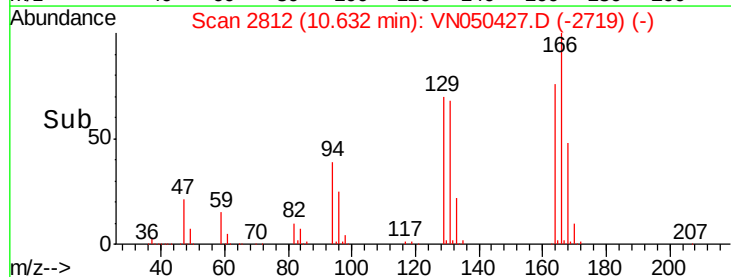
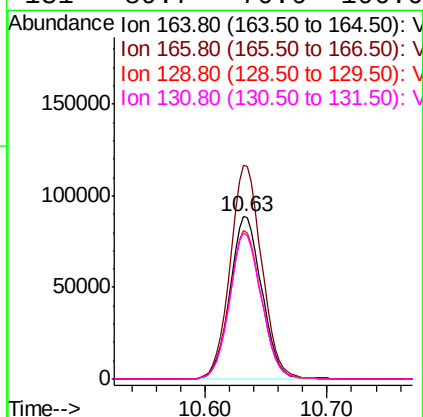
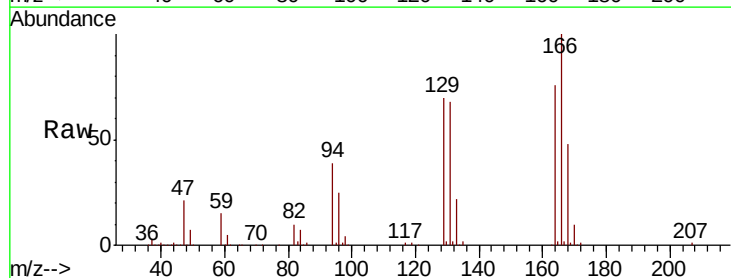
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

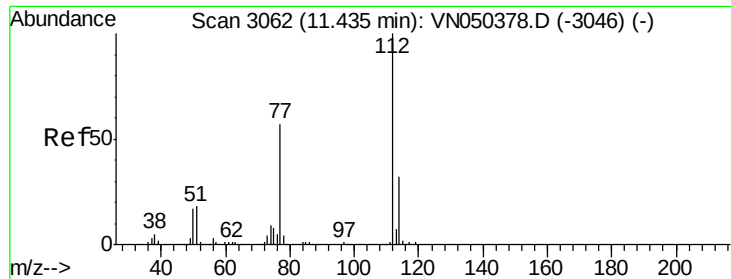
Tot Ion:117 Resp: 873011
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 31.7 26.1 39.1



#64
Tetrachloroethene
Concen: 19.75 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion:164 Resp: 161124
Ion Ratio Lower Upper
164 100
166 131.5 102.1 153.1
129 91.6 73.2 109.8
131 89.7 70.6 106.0

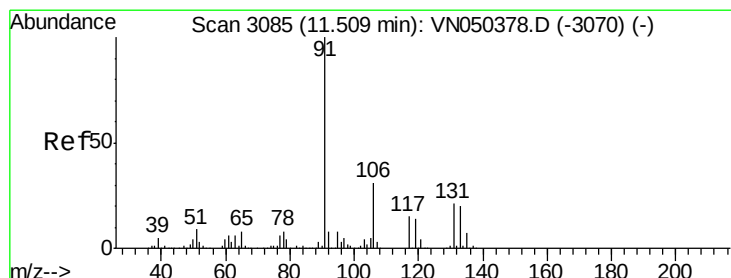
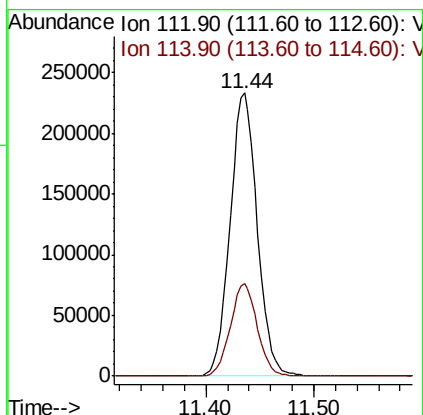
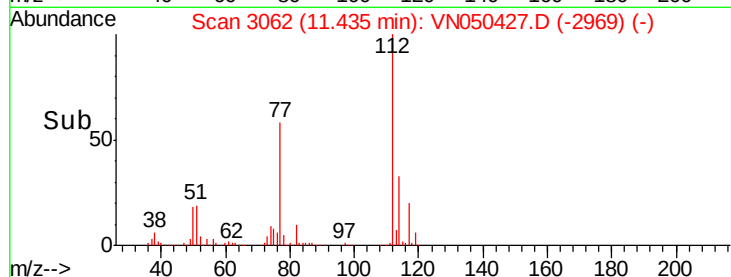
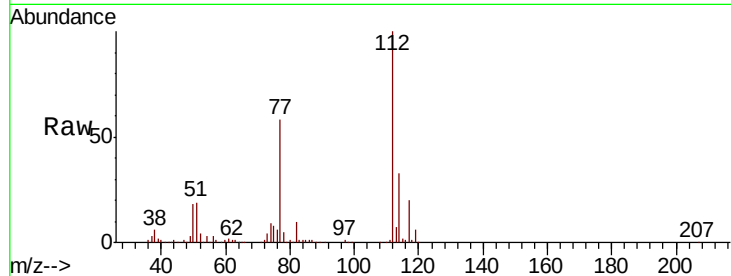




#65
Chlorobenzene
Concen: 18.65 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

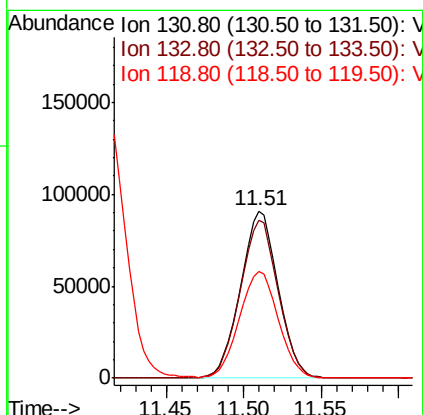
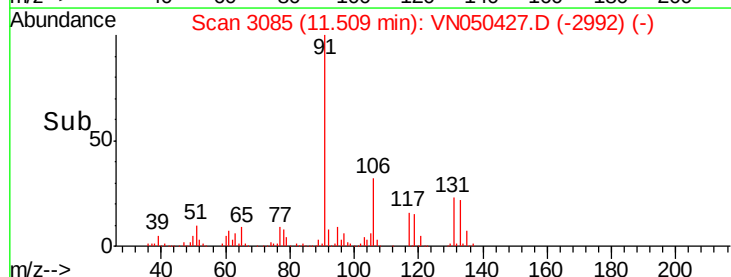
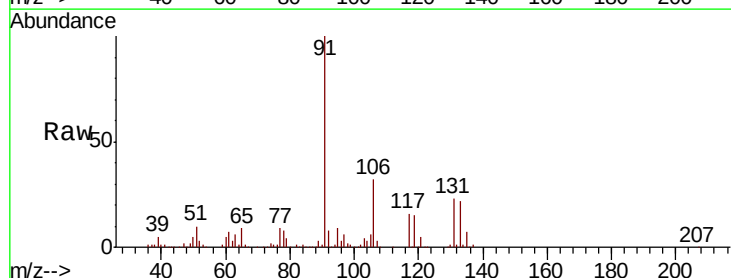
Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

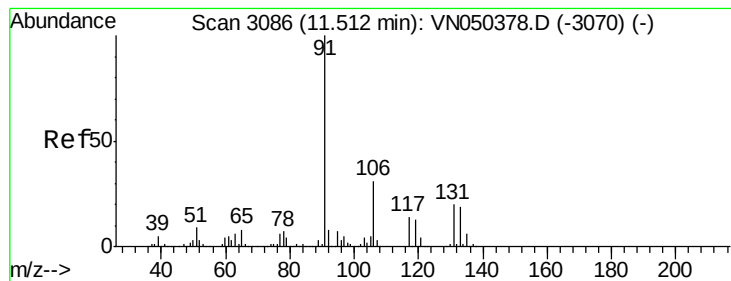
Tot Ion:112 Resp: 408229
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.31 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion:131 Resp: 153785
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 66.3 32.9 98.7





#67

Ethyl Benzene

Concen: 19.13 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

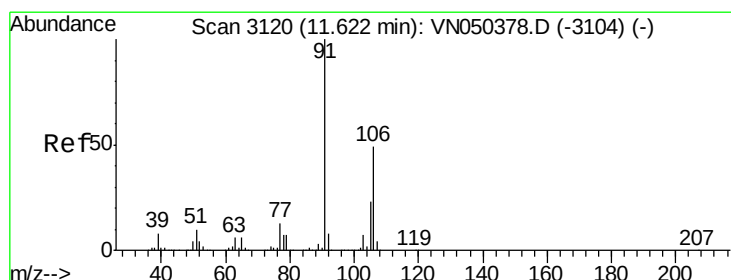
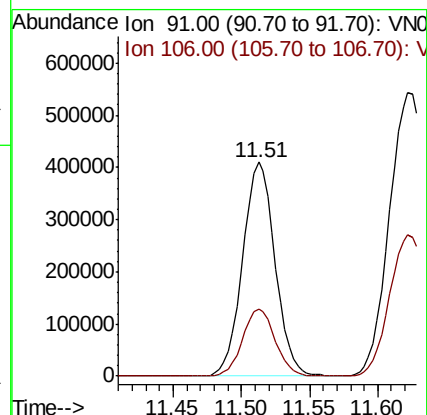
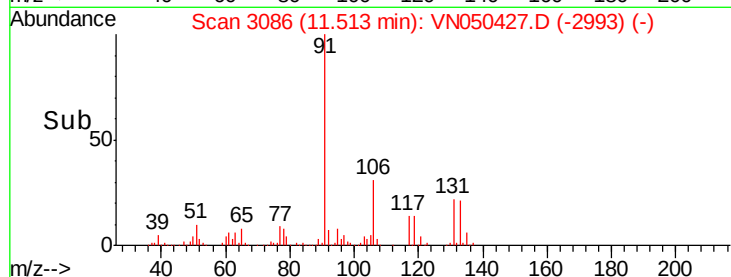
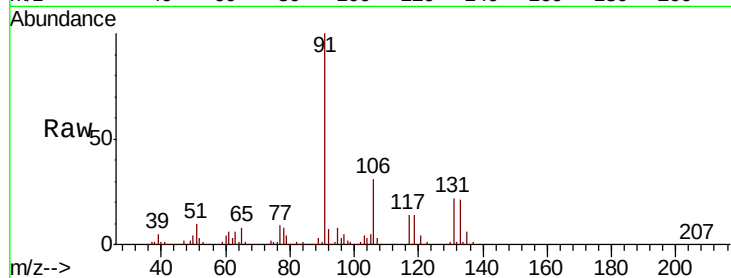
VN0807WBS01

Tot Ion: 91 Resp: 676854

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 39.32 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050427.D

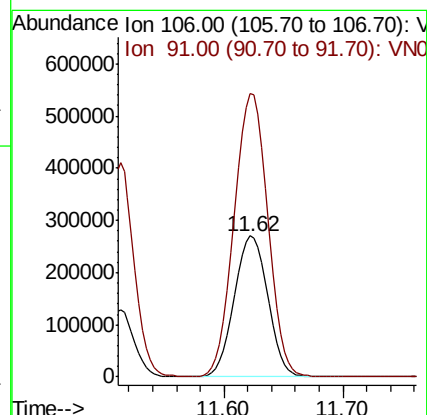
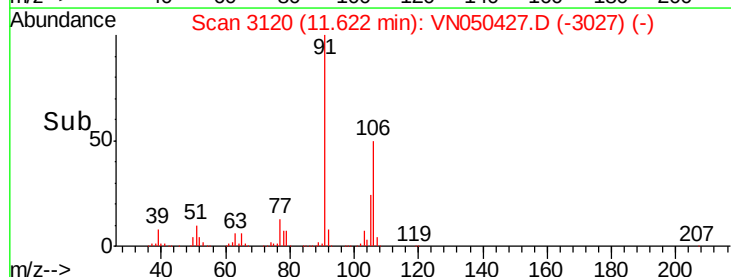
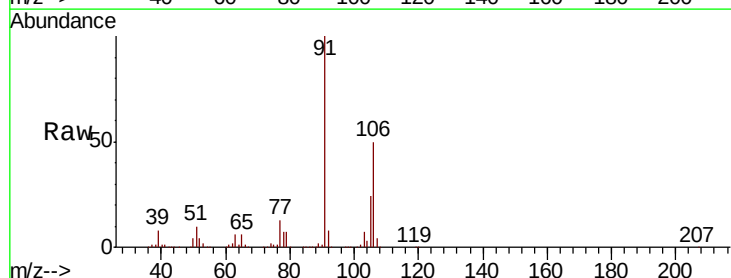
Acq: 7 Aug 2018 13:22

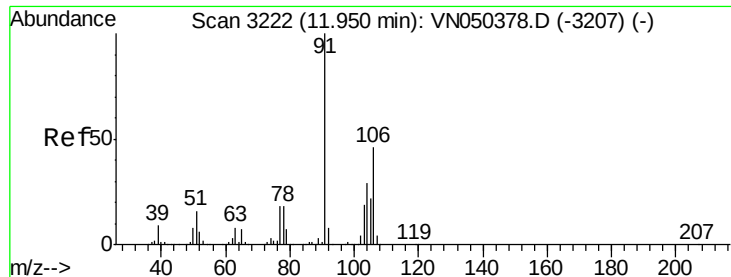
Tgt Ion: 106 Resp: 529546

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2





#69

o-Xylene

Concen: 19.17 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

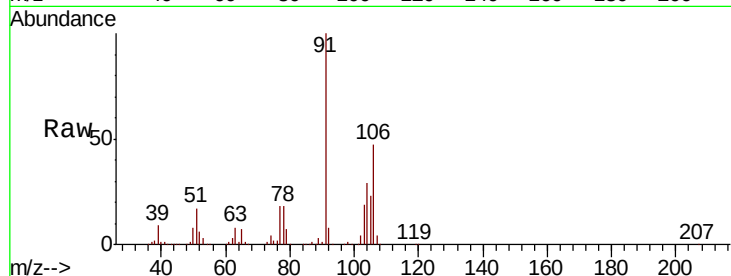
VN0807WBS01

Tot Ion:106 Resp: 248754

Ion Ratio Lower Upper

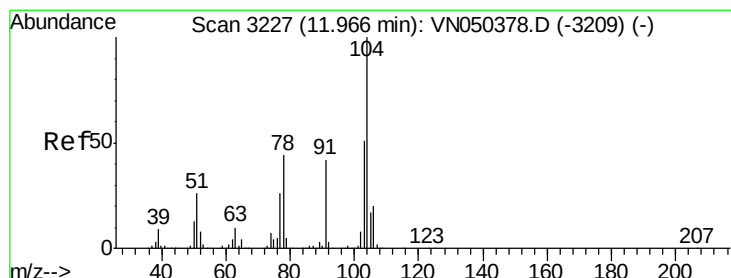
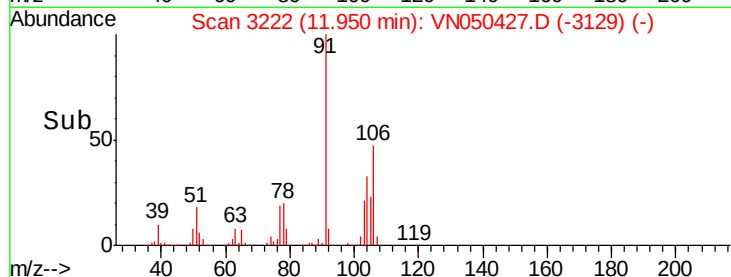
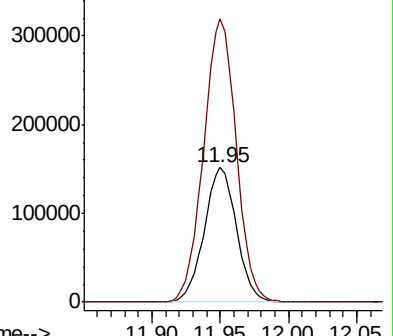
106 100

91 213.3 107.7 323.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.20 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

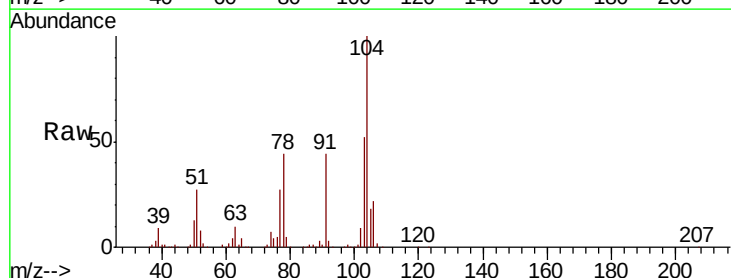
Tgt Ion:104 Resp: 405150

Ion Ratio Lower Upper

104 100

78 48.9 39.3 58.9

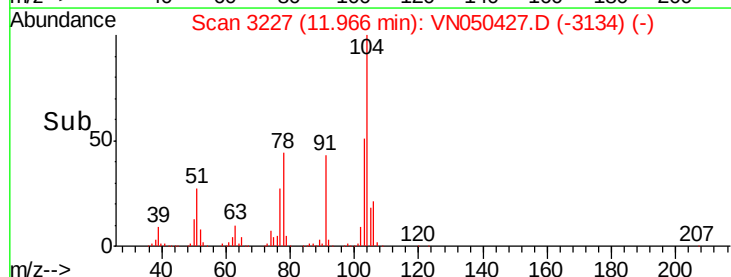
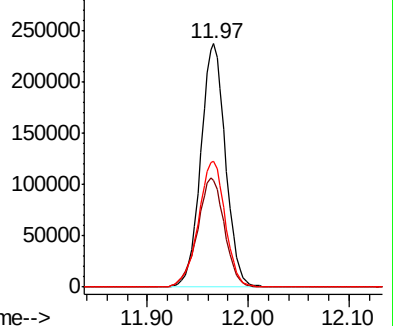
103 55.7 45.0 67.6

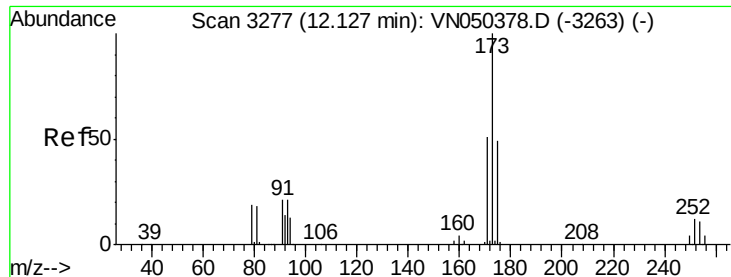


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.33 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

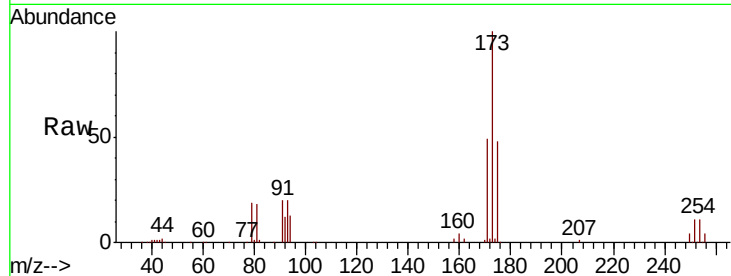
Tot Ion:173 Resp: 106715

Ion Ratio Lower Upper

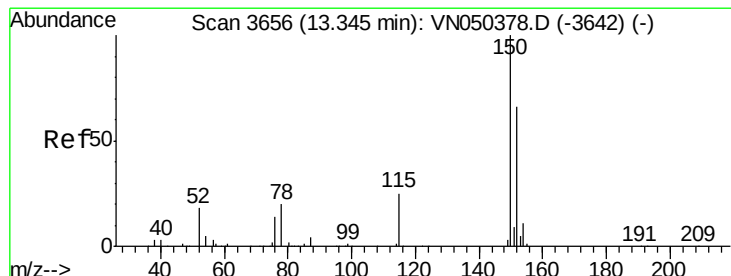
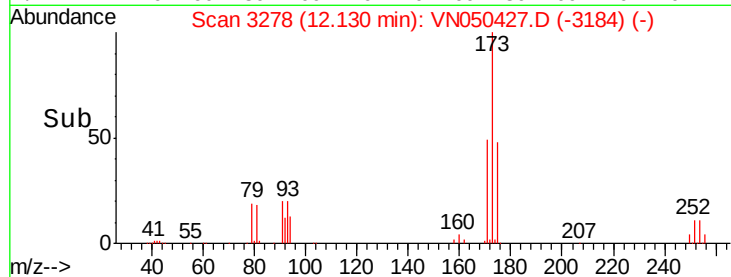
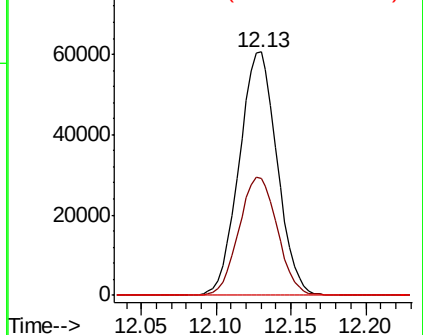
173 100

175 49.1 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

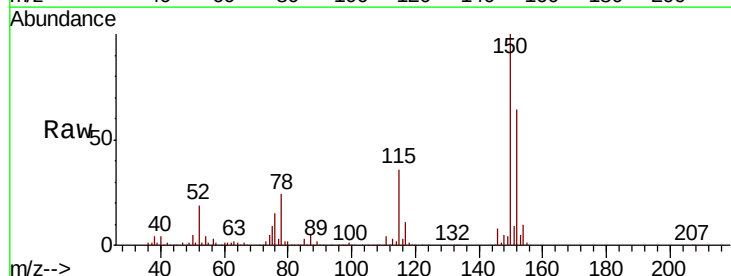
Tgt Ion:152 Resp: 437093

Ion Ratio Lower Upper

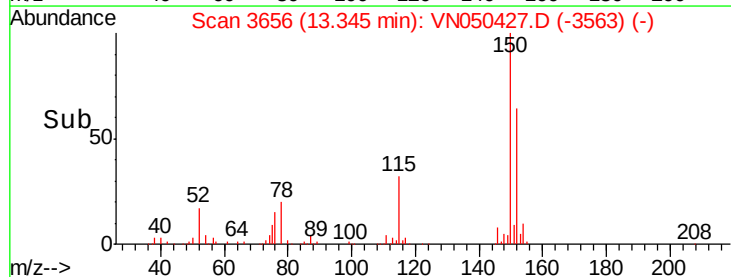
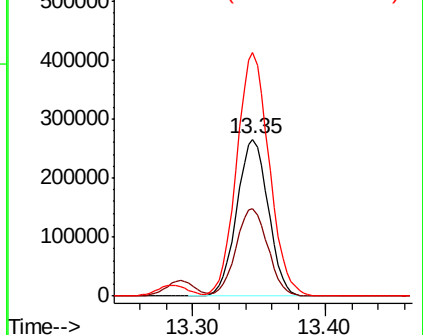
152 100

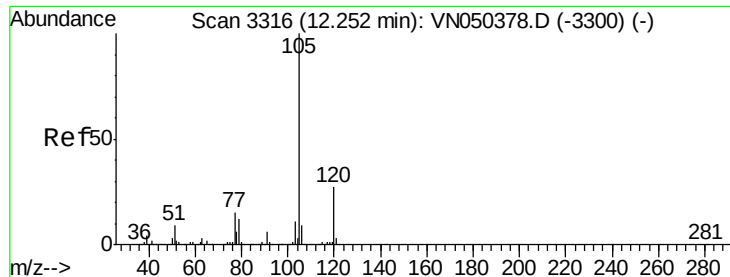
115 56.3 27.8 83.3

150 160.9 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.12 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

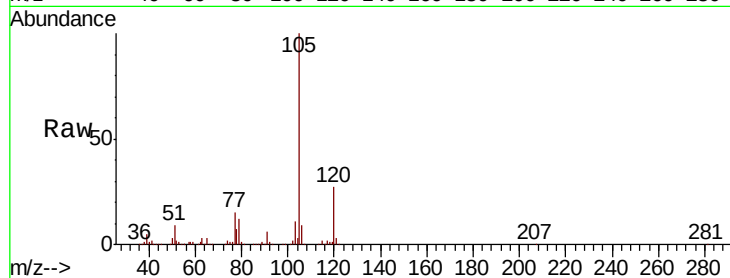
VN0807WBS01

Tot Ion:105 Resp: 660111

Ion Ratio Lower Upper

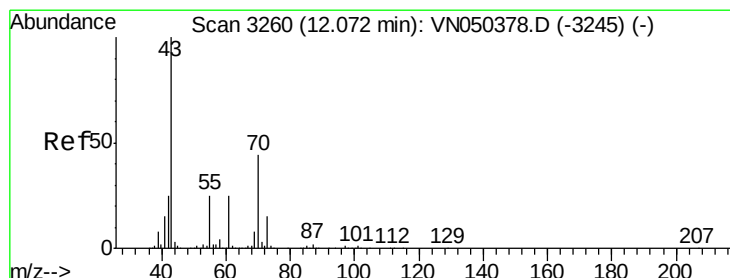
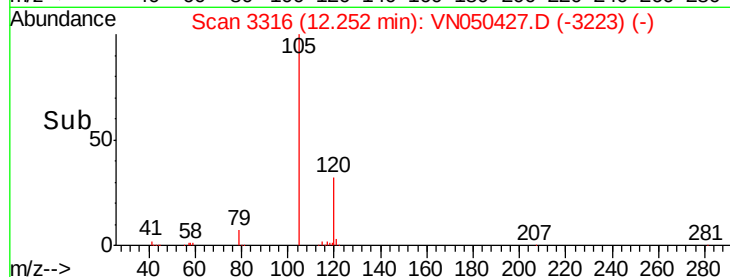
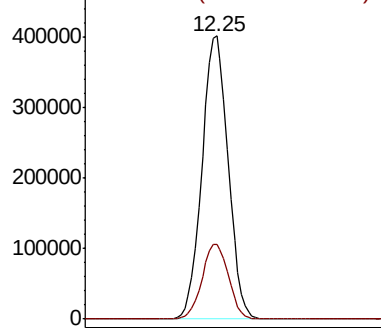
105 100

120 26.8 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: 17.74 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion: 43 Resp: 188694

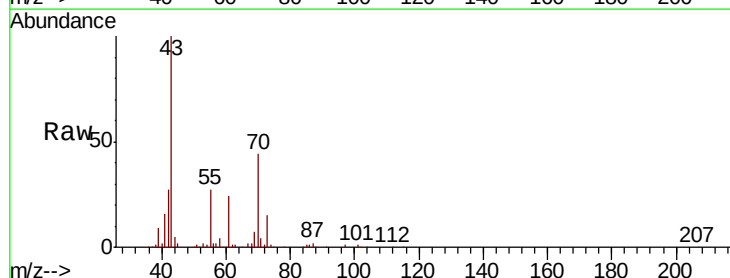
Ion Ratio Lower Upper

43 100

70 43.3 34.4 51.6

55 27.3 20.8 31.2

61 24.3 19.7 29.5

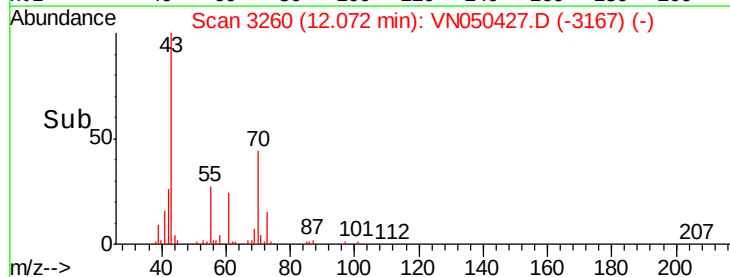
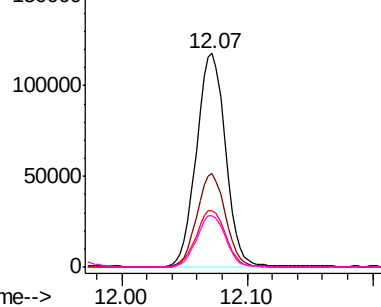


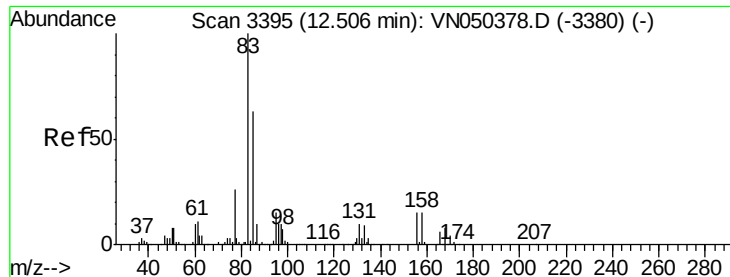
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 18.59 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

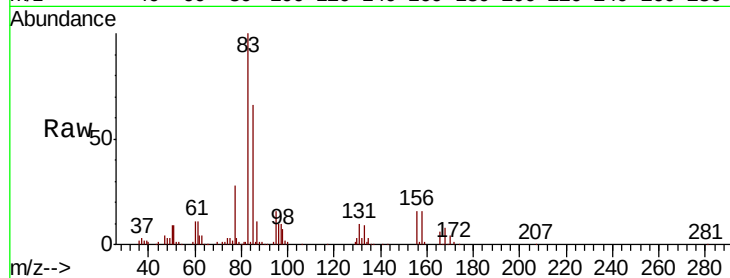
Tot Ion: 83 Resp: 175977

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

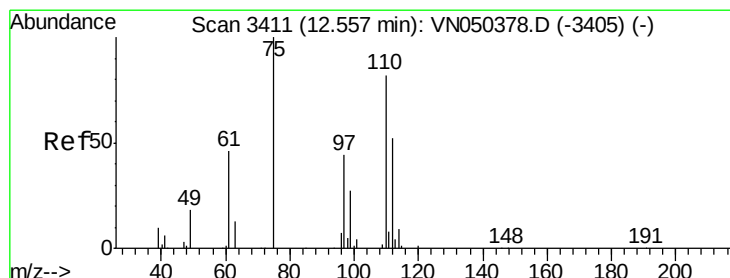
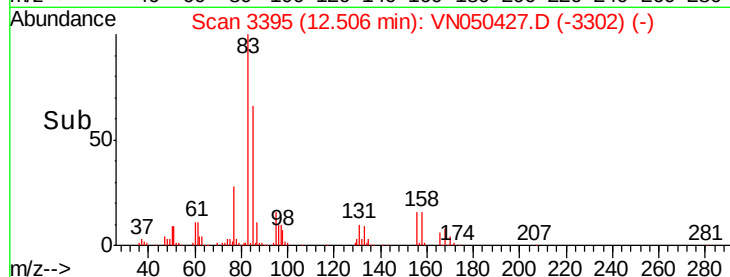
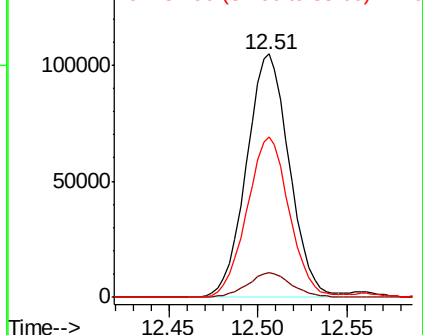
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.67 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050427.D

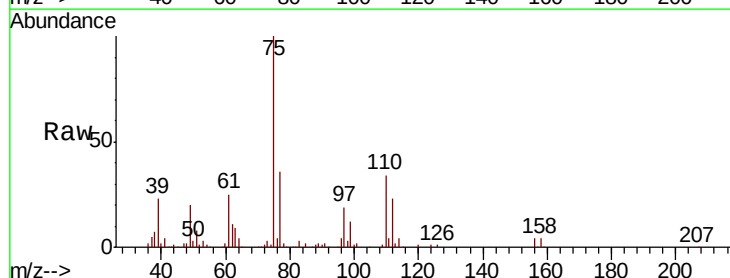
Acq: 7 Aug 2018 13:22

Tgt Ion: 75 Resp: 210983

Ion Ratio Lower Upper

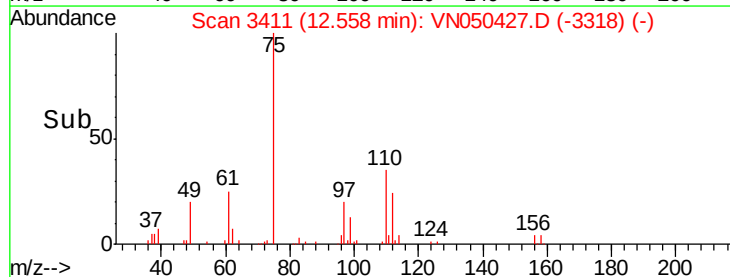
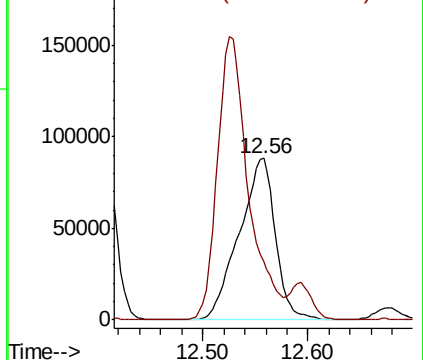
75 100

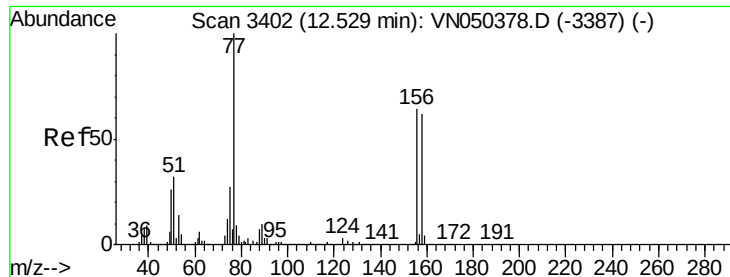
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.86 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

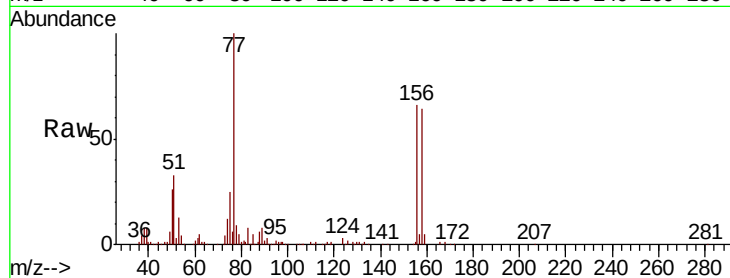
Tot Ion:156 Resp: 174575

Ion Ratio Lower Upper

156 100

77 181.1 91.7 275.1

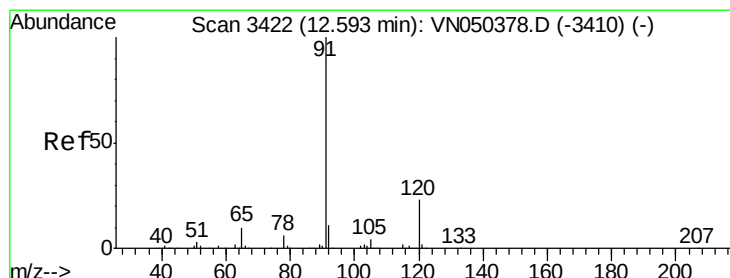
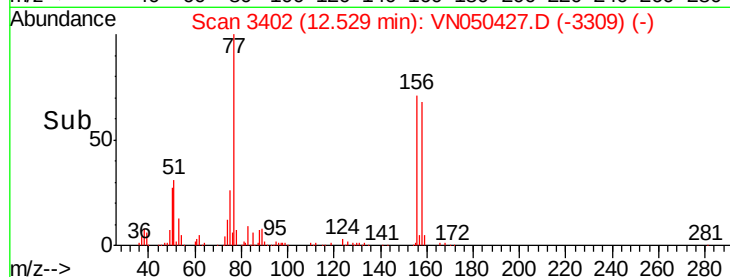
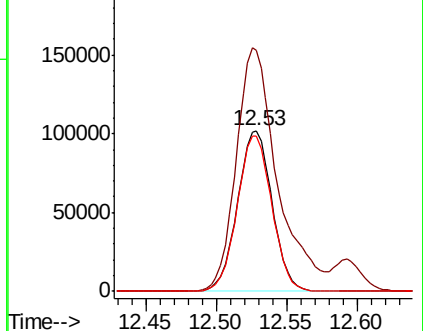
158 97.1 48.9 146.6



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: 20.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050427.D

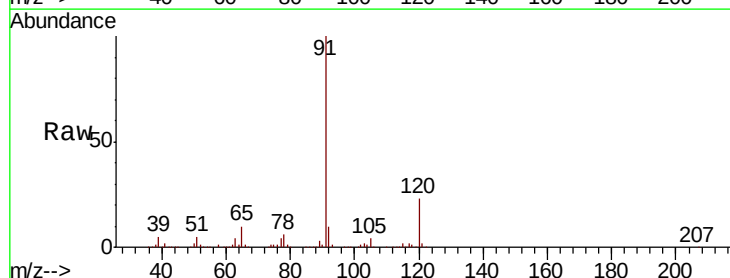
Acq: 7 Aug 2018 13:22

Tgt Ion: 91 Resp: 757989

Ion Ratio Lower Upper

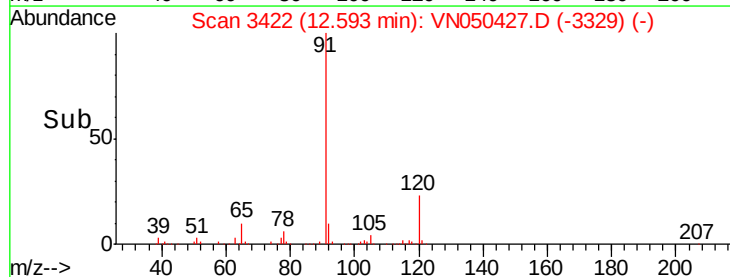
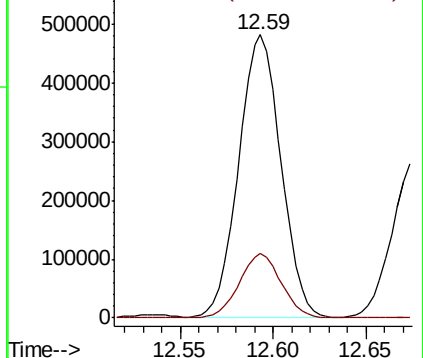
91 100

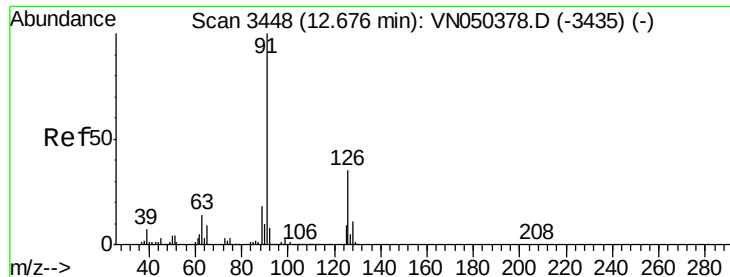
120 22.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

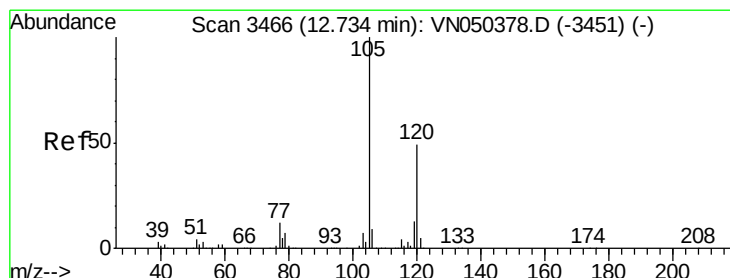
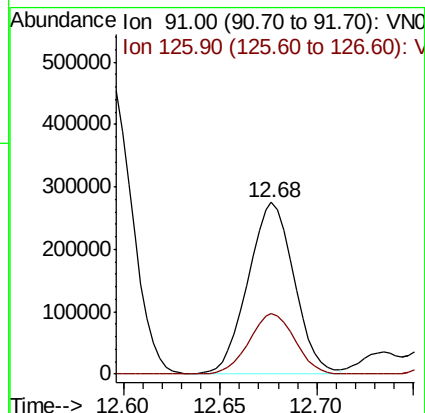
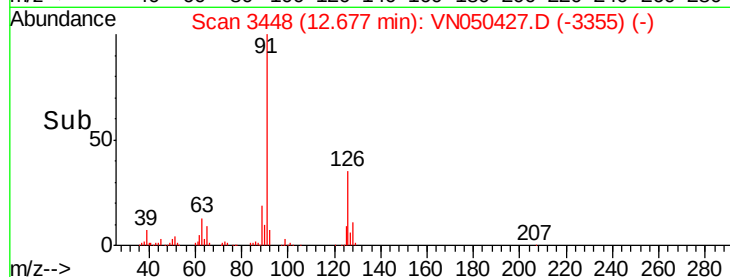
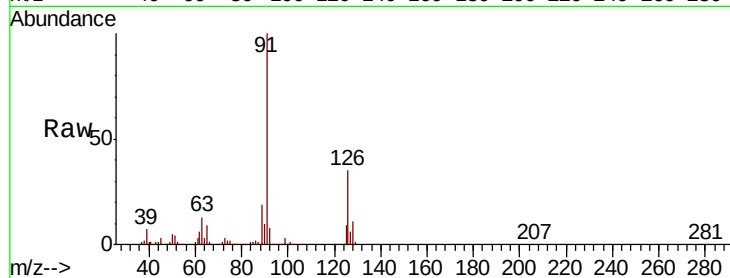
VN0807WBS01

Tot Ion: 91 Resp: 455072

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.53 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050427.D

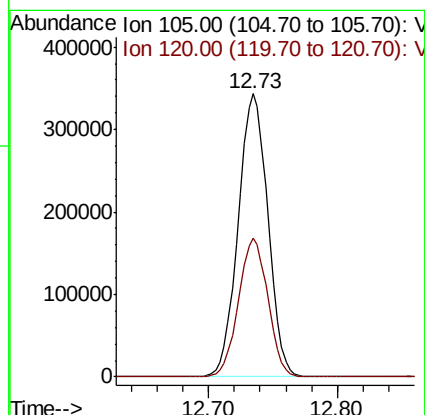
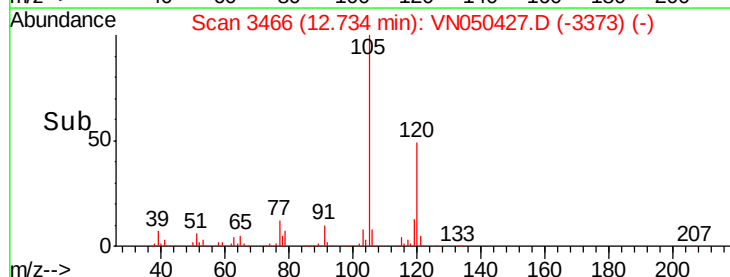
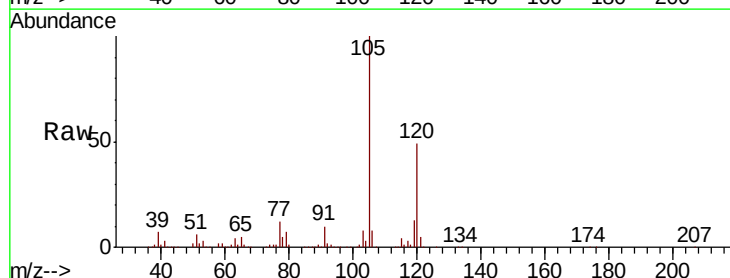
Acq: 7 Aug 2018 13:22

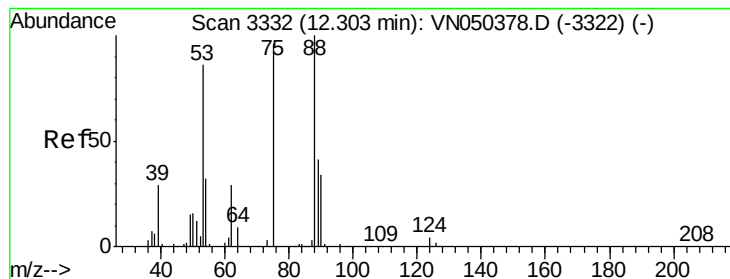
Tgt Ion: 105 Resp: 546705

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.21 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

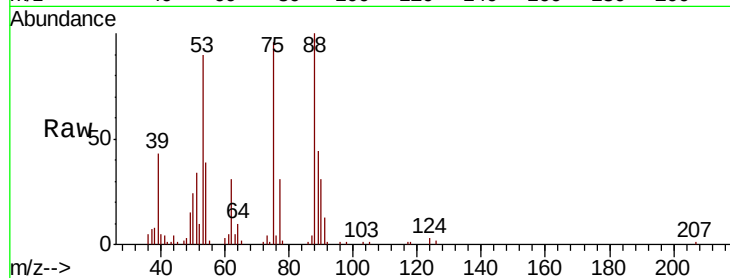
Tot Ion: 75 Resp: 43261

Ion Ratio Lower Upper

75 100

53 96.5 73.5 110.3

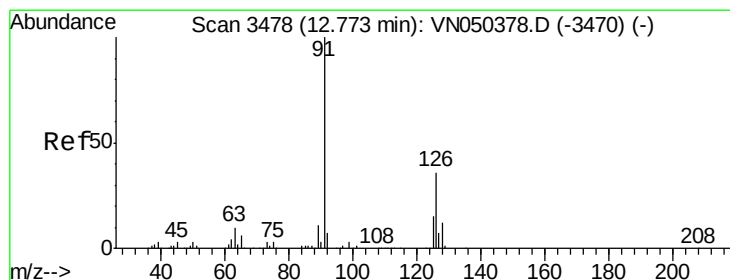
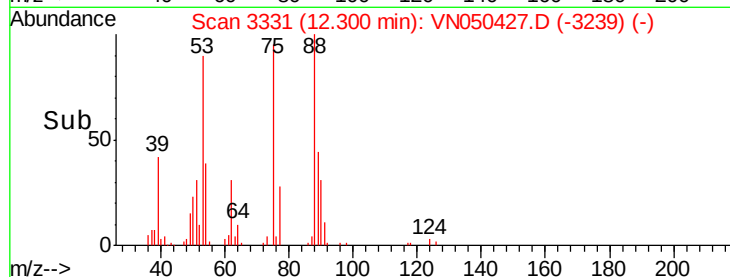
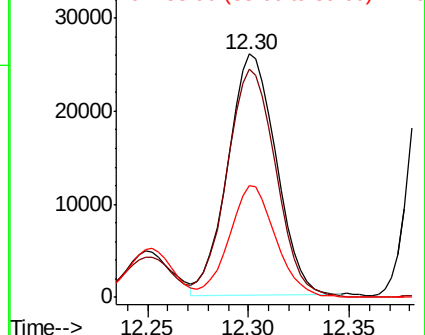
89 44.8 36.0 54.0



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: 20.59 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050427.D

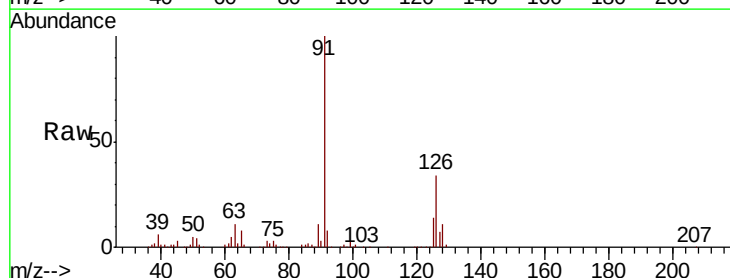
Acq: 7 Aug 2018 13:22

Tgt Ion: 91 Resp: 471016

Ion Ratio Lower Upper

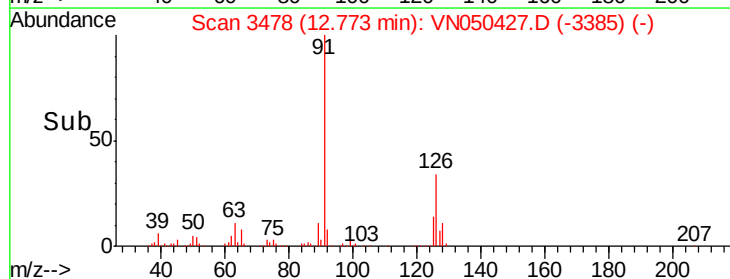
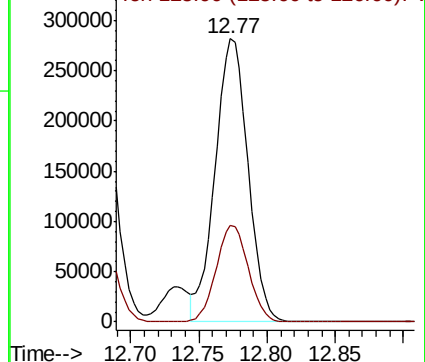
91 100

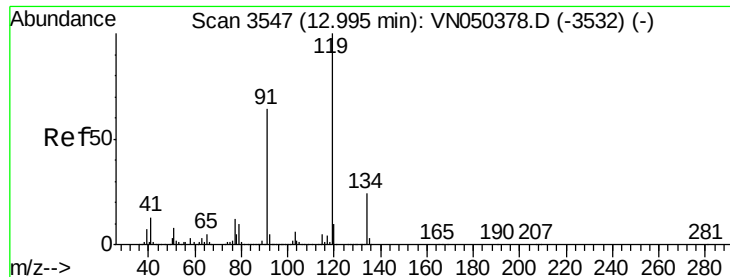
126 33.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.83 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

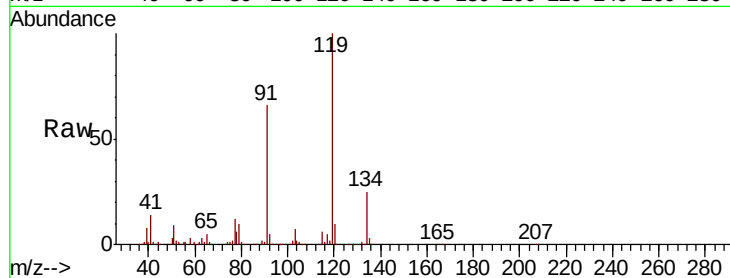
Tot Ion:119 Resp: 460745

Ion Ratio Lower Upper

119 100

91 64.5 32.1 96.3

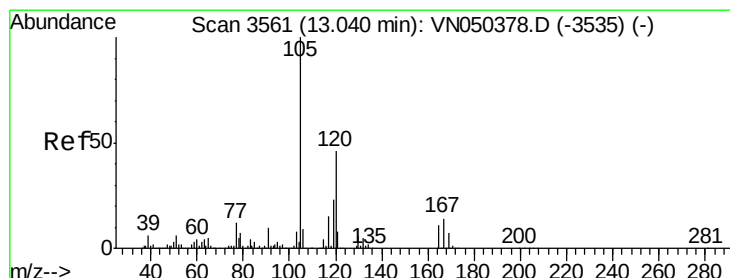
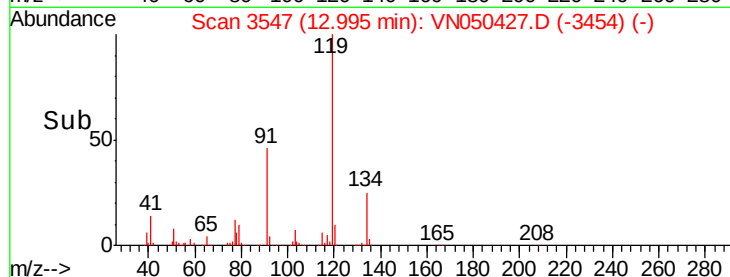
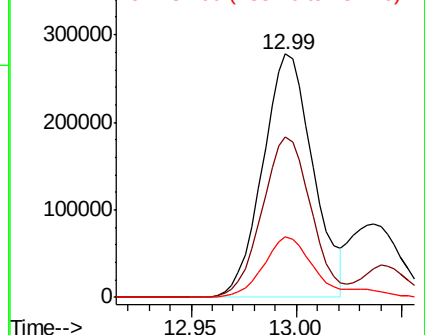
134 24.0 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.45 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050427.D

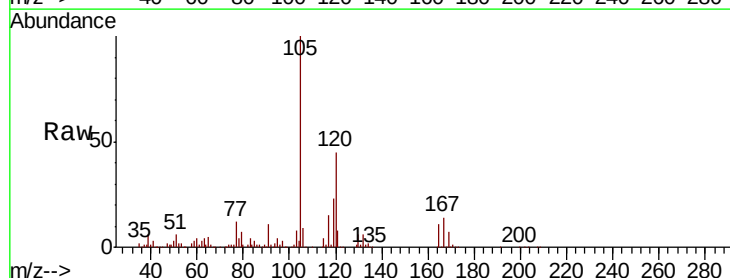
Acq: 7 Aug 2018 13:22

Tgt Ion:105 Resp: 551891

Ion Ratio Lower Upper

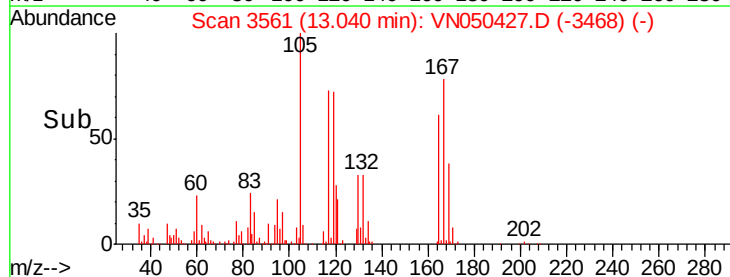
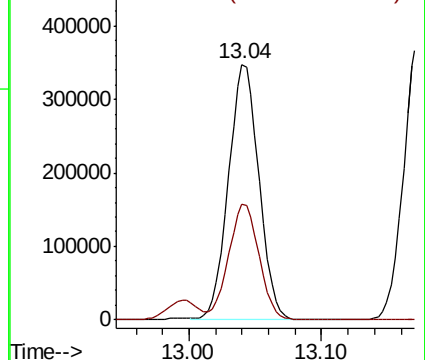
105 100

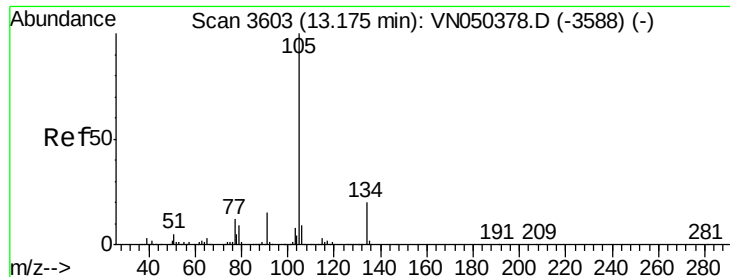
120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.97 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

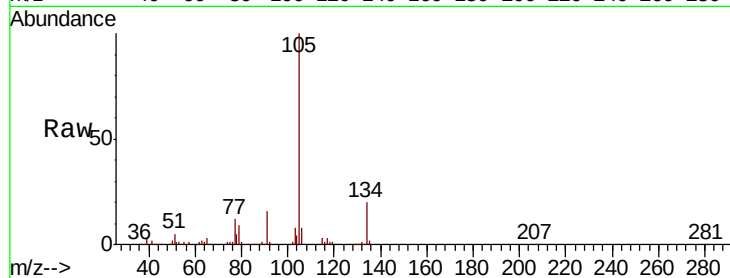
VN0807WBS01

Tot Ion:105 Resp: 618390

Ion Ratio Lower Upper

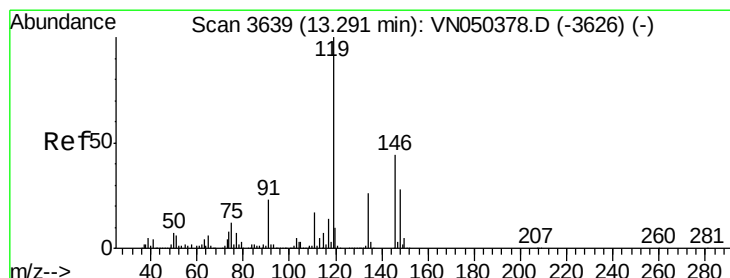
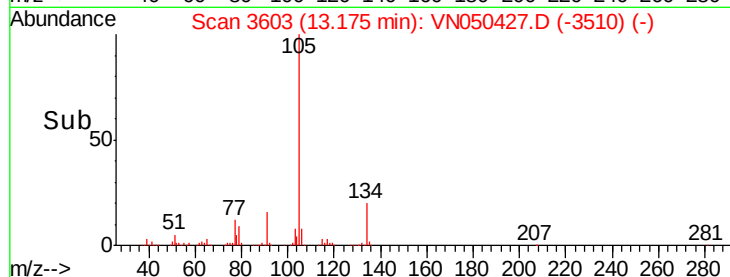
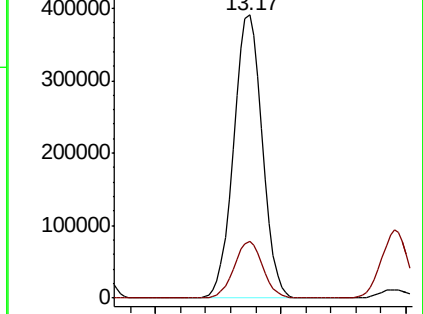
105 100

134 20.2 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: 19.85 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

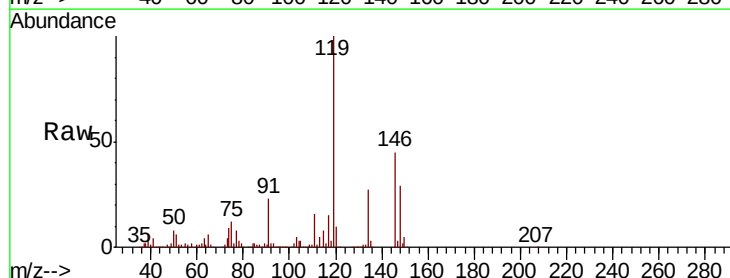
Tgt Ion:119 Resp: 526812

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

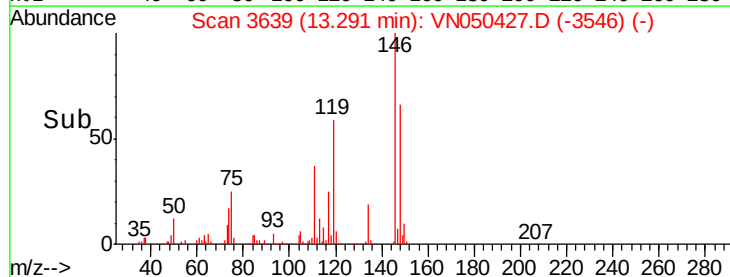
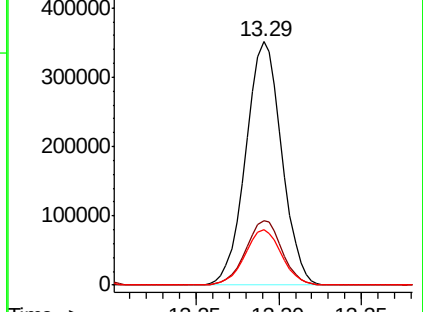
91 23.1 11.4 34.2

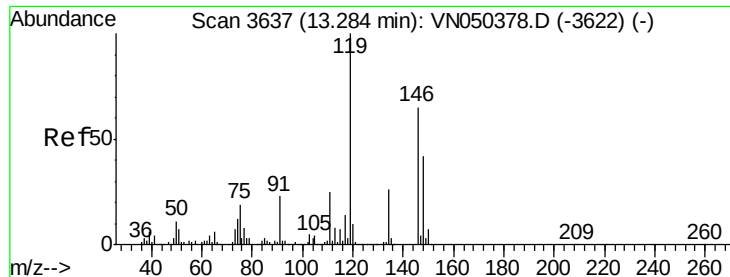


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

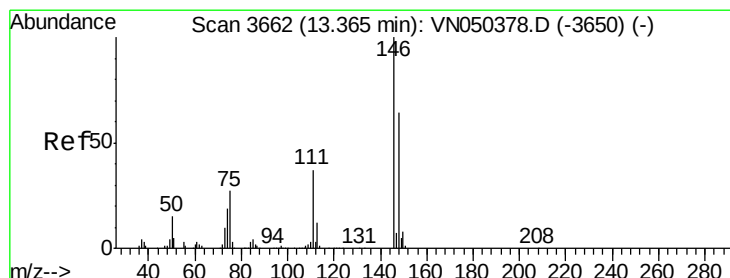
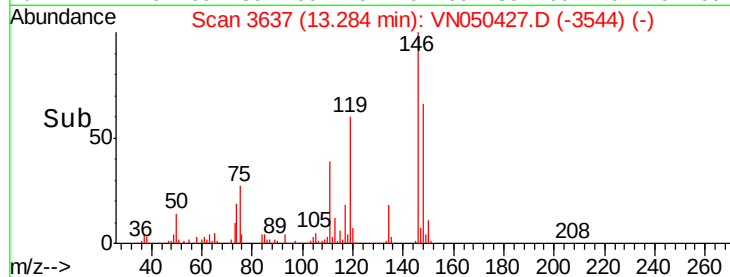
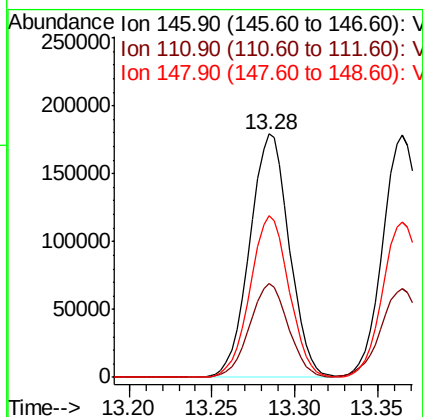
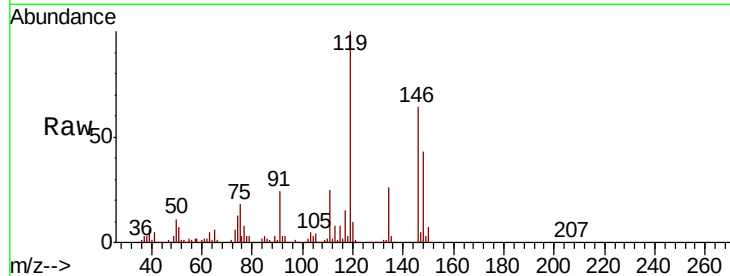




#87
 1,3-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

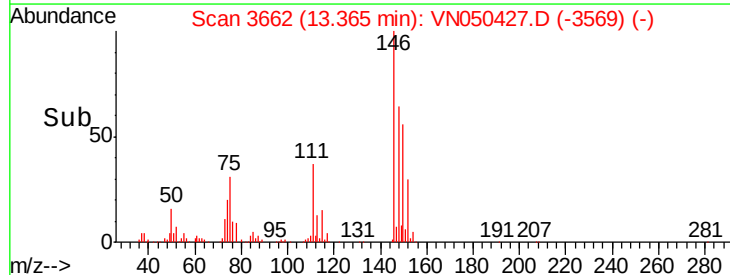
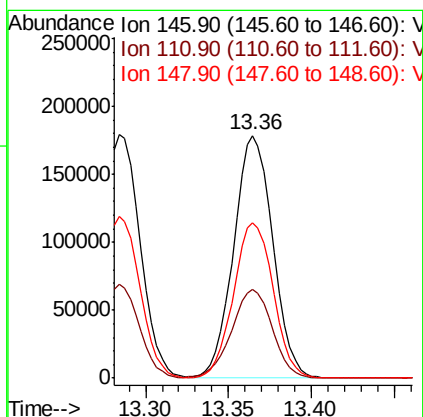
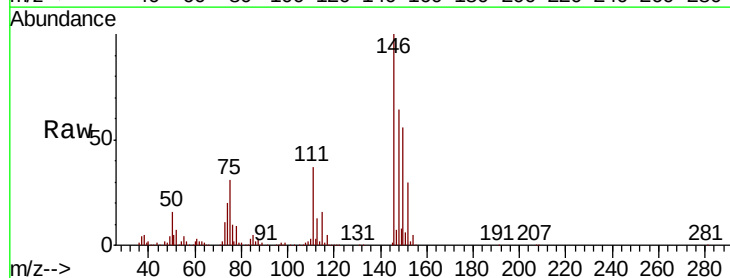
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

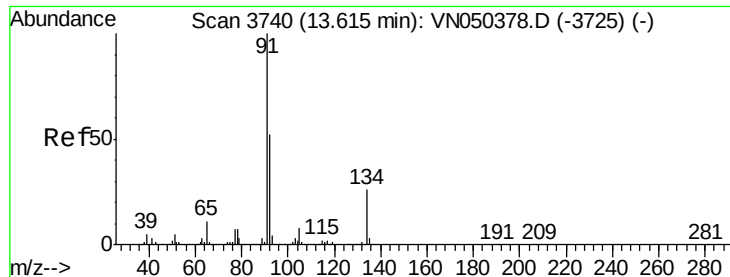
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	65.6	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.9
148	64.9	31.9	95.9





#89

n-Butylbenzene

Concen: 18.26 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

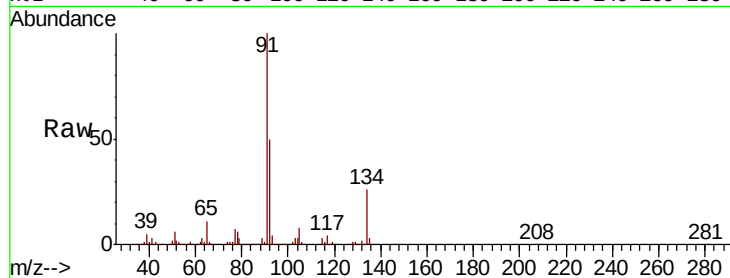
Tot Ion: 91 Resp: 412670

Ion Ratio Lower Upper

91 100

92 50.6 25.8 77.4

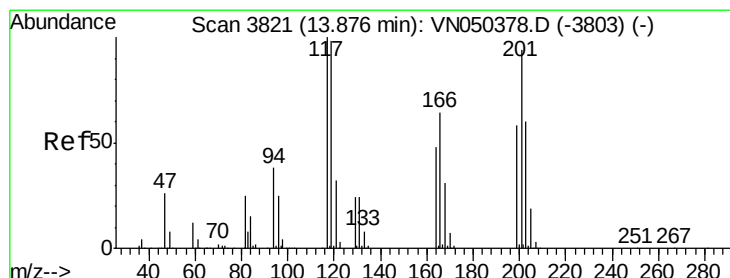
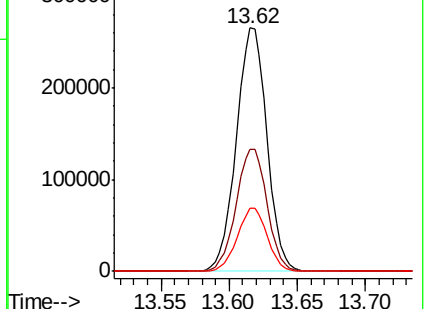
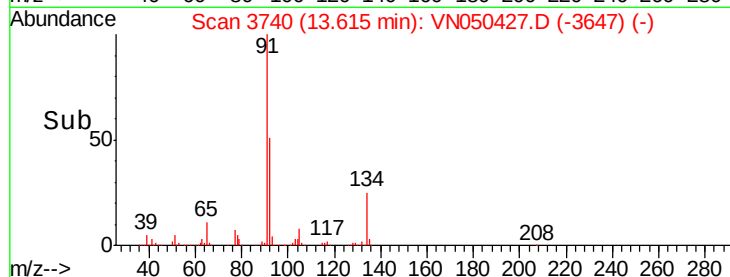
134 25.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)



#90

Hexachloroethane

Concen: 19.31 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050427.D

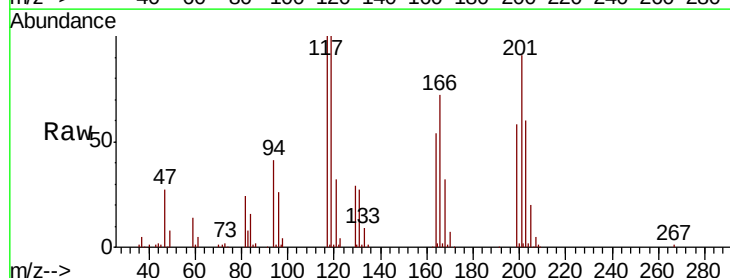
Acq: 7 Aug 2018 13:22

Tgt Ion: 117 Resp: 91126

Ion Ratio Lower Upper

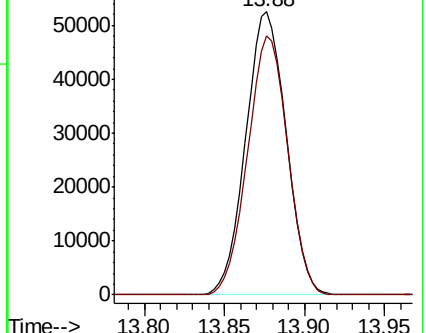
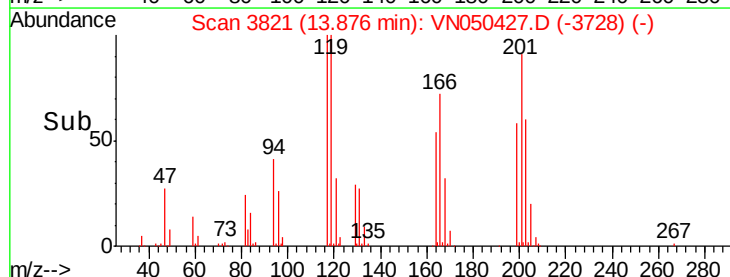
117 100

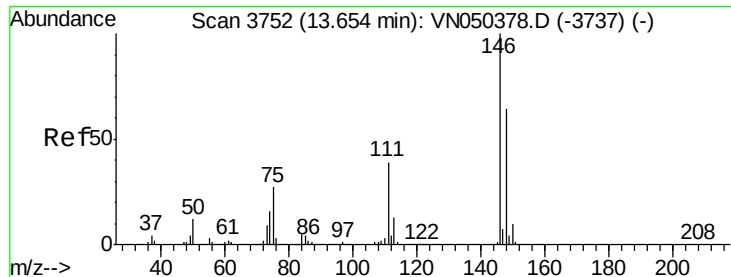
201 90.7 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)

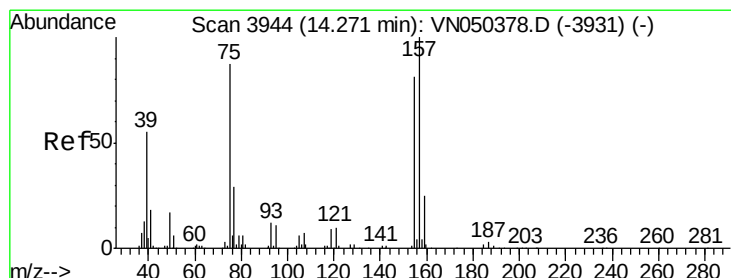
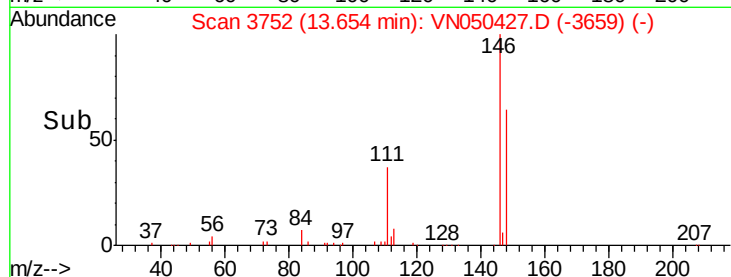
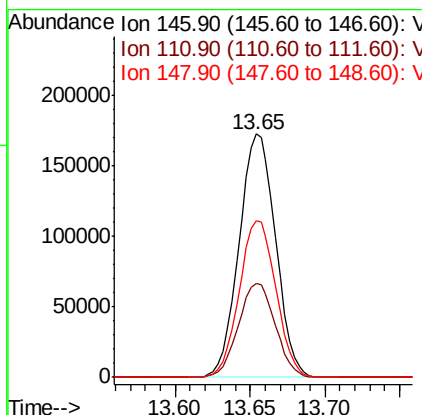
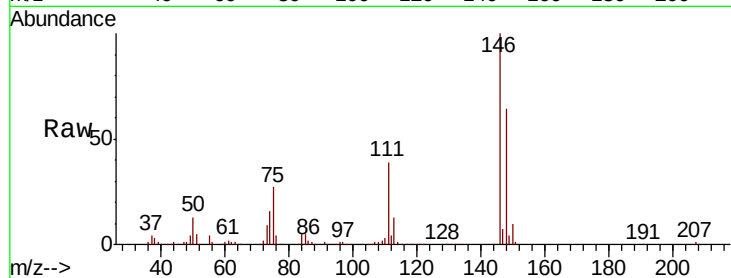




#91
 1,2-Dichlorobenzene
 Concen: 18.67 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

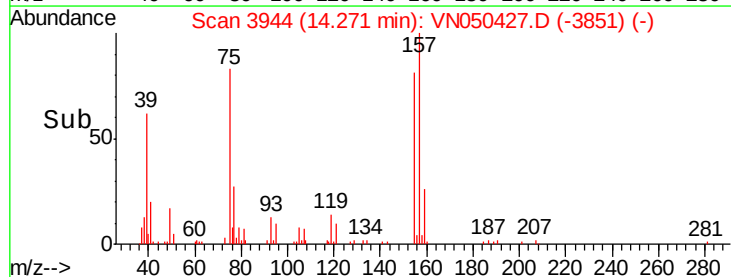
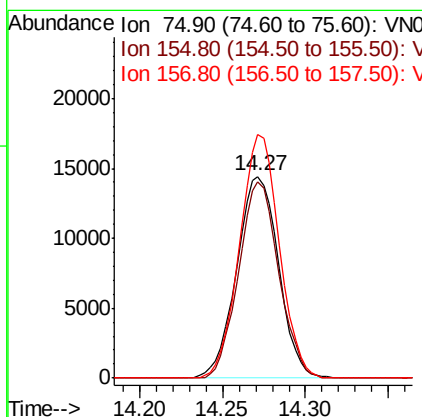
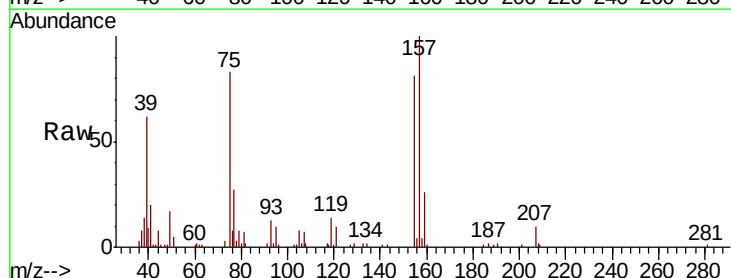
Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

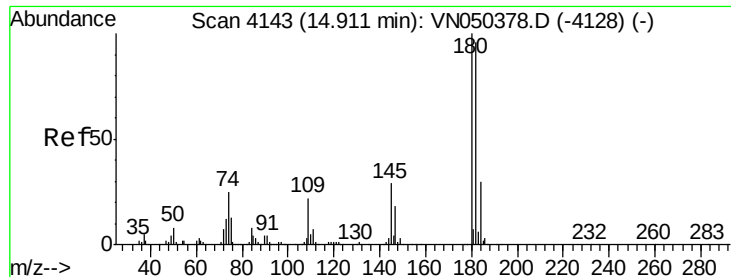
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	64.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.73 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	44.8	134.4
157	114.4	57.2	171.6

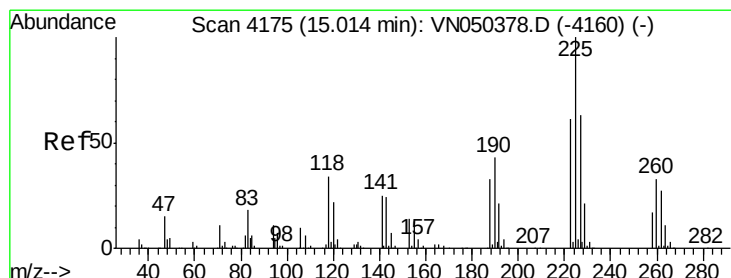
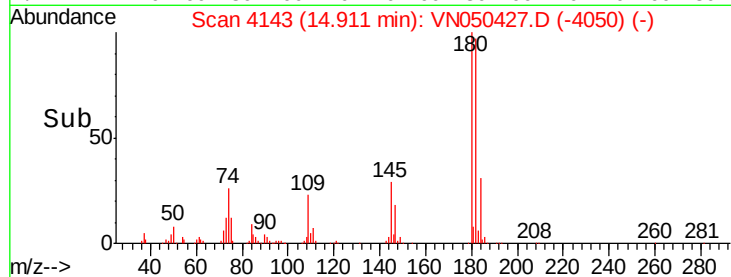
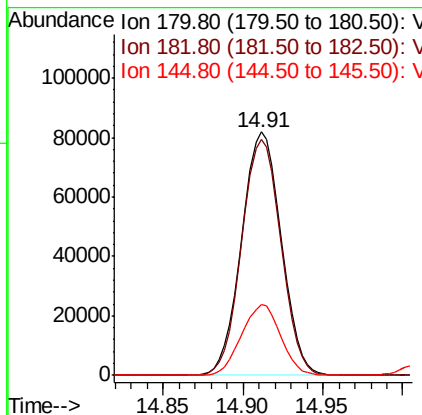
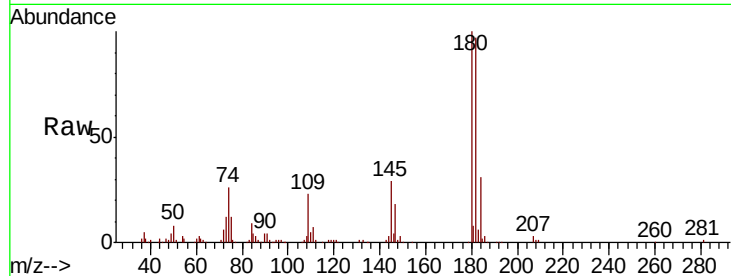




#93
 1,2,4-Trichlorobenzene
 Concen: 17.30 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

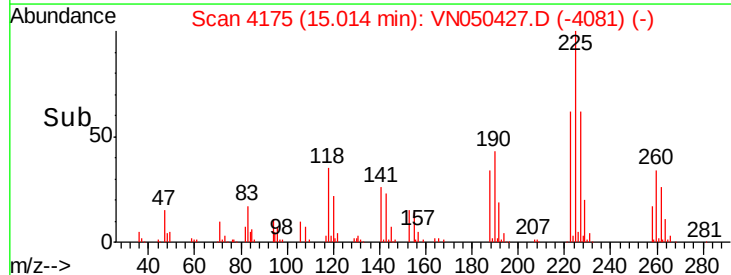
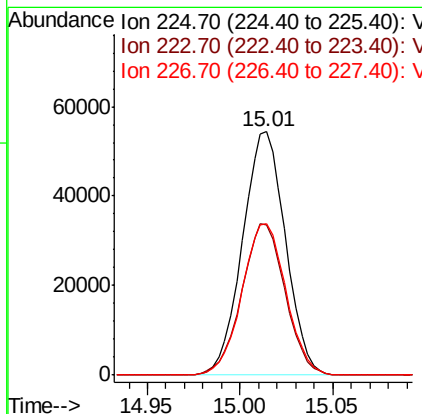
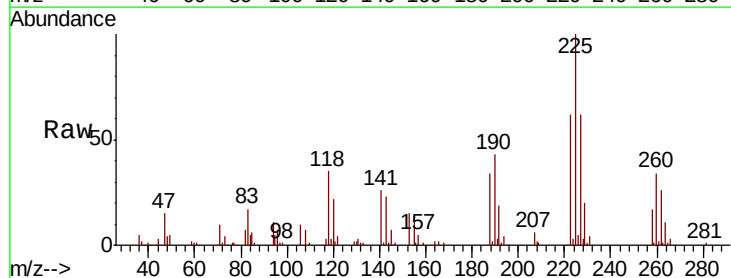
Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

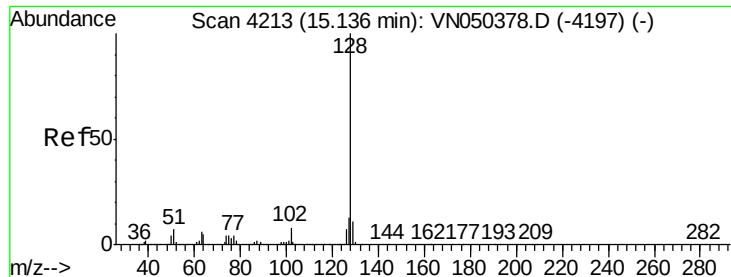
Tot Ion:180 Resp: 138249
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.7 140.1
 145 28.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.05 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion:225 Resp: 87640
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.2
 227 63.8 32.1 96.5

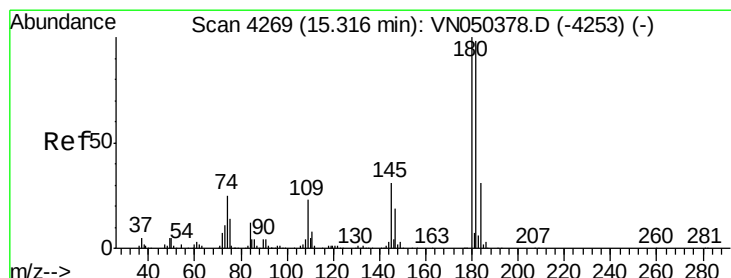
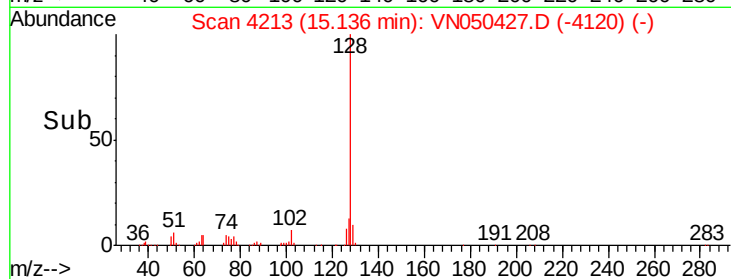
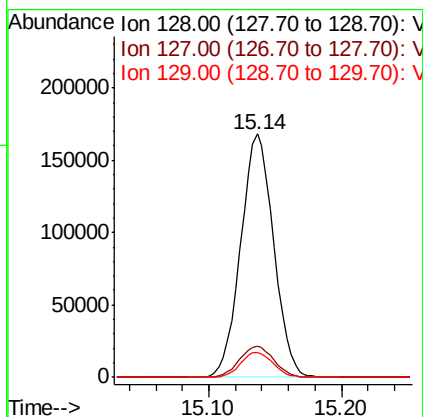
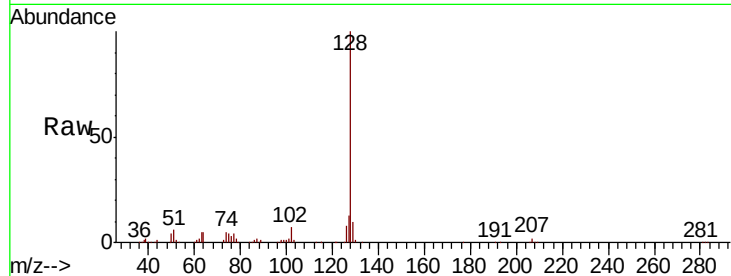




#95
Naphthalene
Concen: 16.32 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion:128 Resp: 289876
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.00 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion:180 Resp: 137396
Ion Ratio Lower Upper
180 100
182 96.8 48.1 144.4
145 30.1 15.3 45.9

