

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050134.D
 Acq On : 27 Jul 2018 17:03
 Operator : MD\SY
 Sample : VN0727WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

Quant Time: Jul 27 23:31:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	690431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	463802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	465828	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.59	113	414995	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	1505662	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	504087	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199436	20.10	ug/l	99
3) Chloromethane	2.06	50	184841	17.14	ug/l	99
4) Vinyl Chloride	2.18	62	206367	18.17	ug/l	99
5) Bromomethane	2.56	94	78470	11.67	ug/l	99
6) Chloroethane	2.70	64	122673	17.99	ug/l	99
7) Trichlorofluoromethane	3.01	101	275667	18.74	ug/l	99
8) Diethyl Ether	3.41	74	97222	19.82	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	164933	18.64	ug/l	100
10) Methyl Iodide	3.95	142	96306	8.48	ug/l	98
11) Tert butyl alcohol	4.81	59	78193	110.32	ug/l	99
12) 1,1-Dichloroethene	3.73	96	149727	18.82	ug/l	96
13) Acrolein	3.61	56	28415	49.90	ug/l	99
14) Allyl chloride	4.32	41	232089	18.81	ug/l	98
15) Acrylonitrile	4.99	53	304663	98.52	ug/l	99
16) Acetone	3.82	43	234685	100.84	ug/l	98
17) Carbon Disulfide	4.05	76	415114	17.03	ug/l	100
18) Methyl Acetate	4.33	43	199183	21.64	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	441209	20.81	ug/l	99
20) Methylene Chloride	4.55	84	173751	19.58	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	158137	18.75	ug/l	98
22) Diisopropyl ether	5.96	45	497002	20.31	ug/l	99
23) Vinyl Acetate	5.90	43	1678121	97.06	ug/l	100
24) 1,1-Dichloroethane	5.85	63	301011	18.81	ug/l	99
25) 2-Butanone	6.84	43	365646	99.51	ug/l	97
26) 2,2-Dichloropropane	6.83	77	234649	19.28	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	179369	19.76	ug/l	99
28) Bromochloromethane	7.20	49	139232	19.08	ug/l	96
29) Tetrahydrofuran	7.22	42	236093	99.44	ug/l	97
30) Chloroform	7.38	83	307909	18.86	ug/l	100
31) Cyclohexane	7.66	56	250871	18.87	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	265822	19.03	ug/l	100
36) 1,1-Dichloropropene	7.80	75	225551	19.45	ug/l	99
37) Ethyl Acetate	6.94	43	160298	19.83	ug/l	98
38) Carbon Tetrachloride	7.78	117	232637	18.91	ug/l	99

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Quant Time: Jul 27 23:31:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	232778	19.52	ug/l	99
40) Benzene	8.05	78	689613	19.55	ug/l	99
41) Methacrylonitrile	7.18	41	68899	18.21	ug/l	96
42) 1,2-Dichloroethane	8.13	62	226369	19.23	ug/l	99
43) Isopropyl Acetate	8.17	43	312538	19.83	ug/l #	92
44) Trichloroethene	8.84	130	179680	18.95	ug/l	99
45) 1,2-Dichloropropane	9.12	63	181756	19.45	ug/l	98
46) Dibromomethane	9.21	93	111991	19.30	ug/l	97
47) Bromodichloromethane	9.41	83	232724	19.00	ug/l	98
48) Methyl methacrylate	9.20	41	141517	20.33	ug/l	99
49) 1,4-Dioxane	9.20	88	40884	431.51	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	820789	103.28	ug/l	100
52) Toluene	10.16	92	421514	20.24	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229911	19.89	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259982	19.68	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	162296	19.65	ug/l	99
56) Ethyl methacrylate	10.43	69	207036	19.78	ug/l	98
57) 1,3-Dichloropropane	10.71	76	269538	20.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437462	89.35	ug/l	99
59) 2-Hexanone	10.76	43	544681	96.52	ug/l	100
60) Dibromochloromethane	10.90	129	183258	20.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	158287	19.31	ug/l	97
64) Tetrachloroethene	10.63	164	168178	18.83	ug/l	98
65) Chlorobenzene	11.44	112	454746	19.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	172814	19.17	ug/l	99
67) Ethyl Benzene	11.52	91	762201	20.22	ug/l	100
68) m/p-Xylenes	11.62	106	591939	41.52	ug/l	100
69) o-Xylene	11.95	106	286264	21.06	ug/l	99
70) Styrene	11.97	104	448972	19.15	ug/l	100
71) Bromoform	12.13	173	128552	19.60	ug/l #	99
73) Isopropylbenzene	12.25	105	765342	21.28	ug/l	100
74) N-amyl acetate	12.07	43	224175	20.39	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	214209	21.28	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	250735	29.09	ug/l #	100
77) Bromobenzene	12.53	156	194677	19.53	ug/l	99
78) n-propylbenzene	12.59	91	845103	21.02	ug/l	99
79) 2-Chlorotoluene	12.68	91	523099	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	620620	21.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52837	19.44	ug/l	98
82) 4-Chlorotoluene	12.78	91	508880	20.62	ug/l	99
83) tert-Butylbenzene	13.00	119	538689	21.82	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	629155	22.06	ug/l	100
85) sec-Butylbenzene	13.17	105	715529	21.69	ug/l	100
86) p-Isopropyltoluene	13.29	119	608947	21.90	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	335966	19.88	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	323764	19.65	ug/l	99
89) n-Butylbenzene	13.62	91	483480	21.15	ug/l	99
90) Hexachloroethane	13.88	117	115578	18.72	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	339415	20.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34200	20.87	ug/l	96

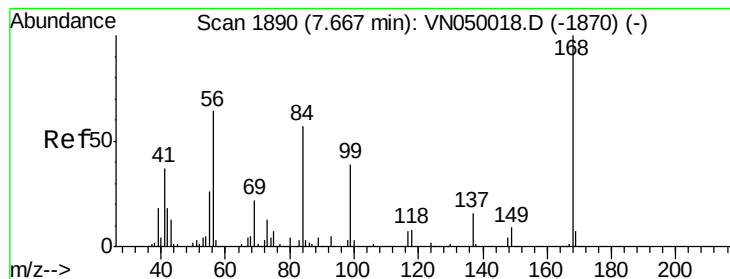
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
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Instrument :
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ClientSampleId :
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Quant Time: Jul 27 23:31:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157406	19.57	ug/l	99
94) Hexachlorobutadiene	15.01	225	105880	20.47	ug/l	99
95) Naphthalene	15.14	128	375289	20.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	166406	20.43	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

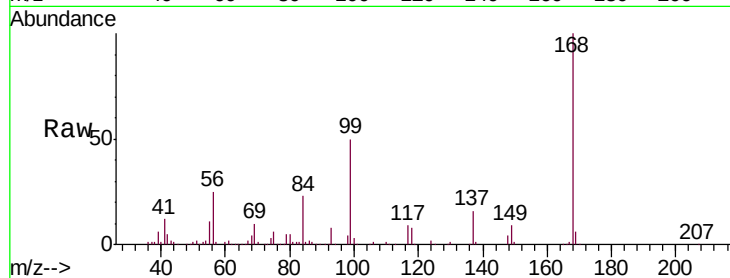
VN0727WBSD02

Tot Ion:168 Resp: 690431

Ion Ratio Lower Upper

168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

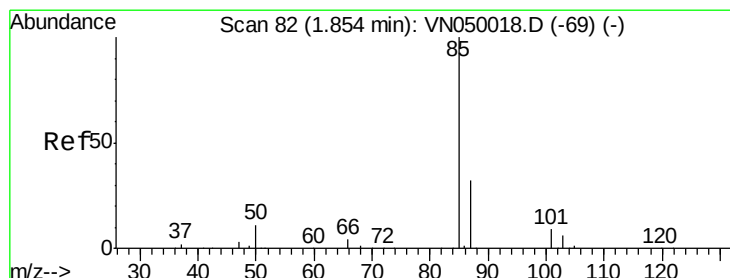
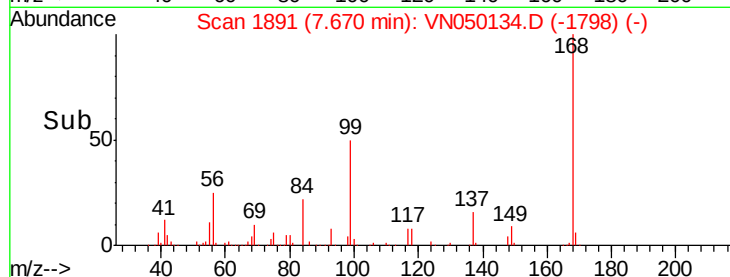
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.10 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050134.D

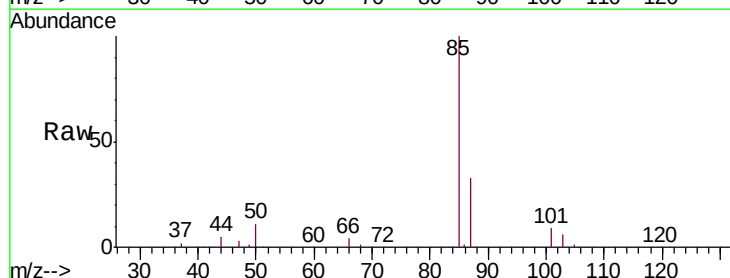
Acq: 27 Jul 2018 17:03

Tgt Ion: 85 Resp: 199436

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

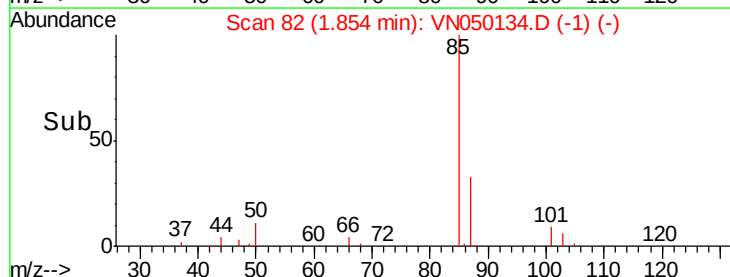
100000

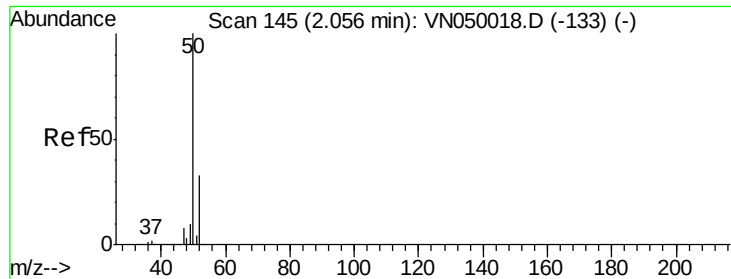
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.14 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

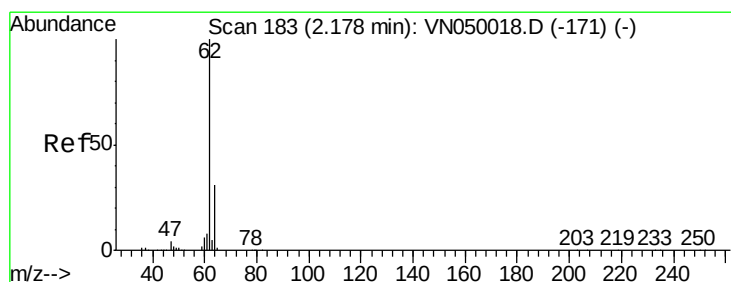
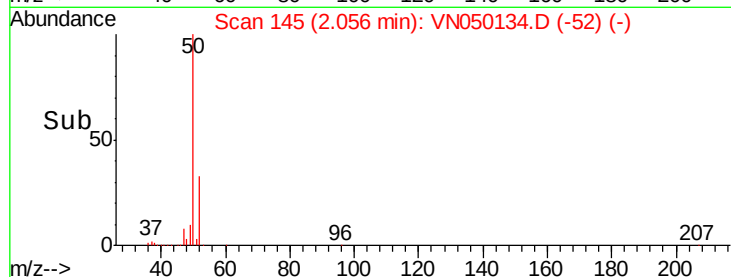
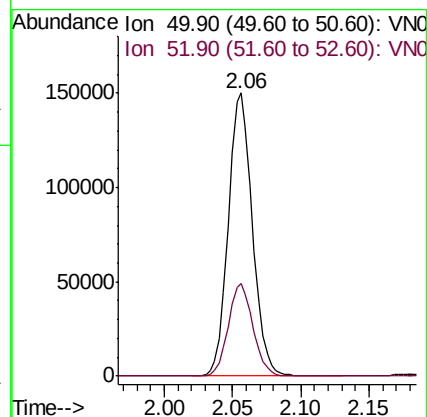
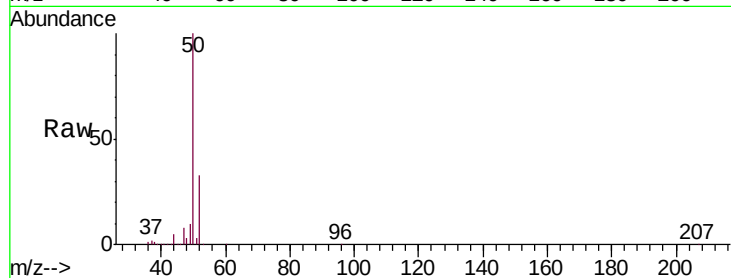
VN0727WBSD02

Tot Ion: 50 Resp: 184841

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9



#4

Vinyl Chloride

Concen: 18.17 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050134.D

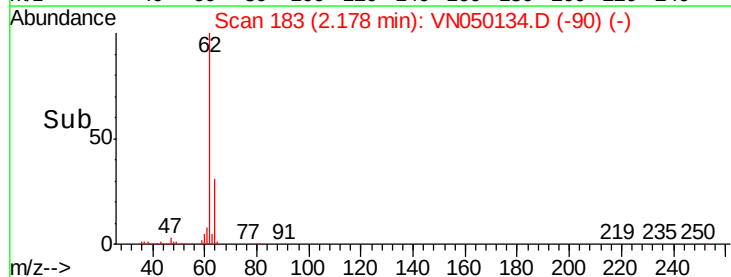
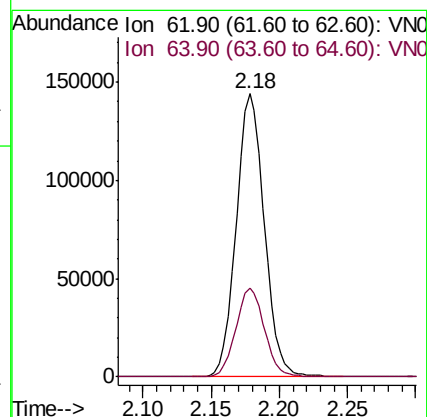
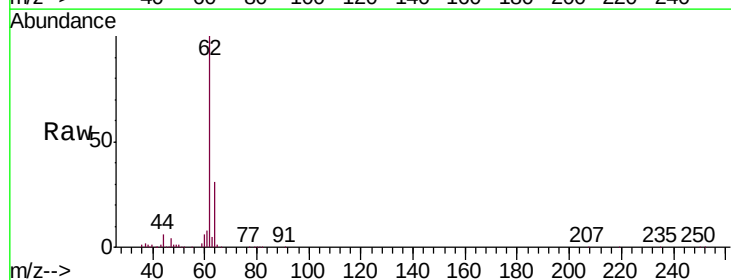
Acq: 27 Jul 2018 17:03

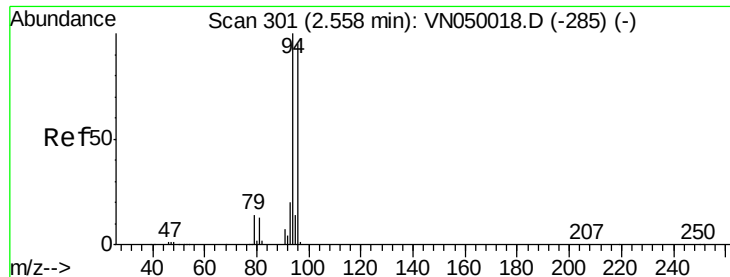
Tgt Ion: 62 Resp: 206367

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 11.67 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

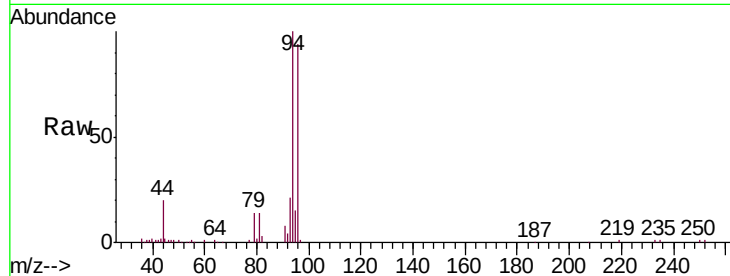
VN0727WBSD02

Tot Ion: 94 Resp: 78470

Ion Ratio Lower Upper

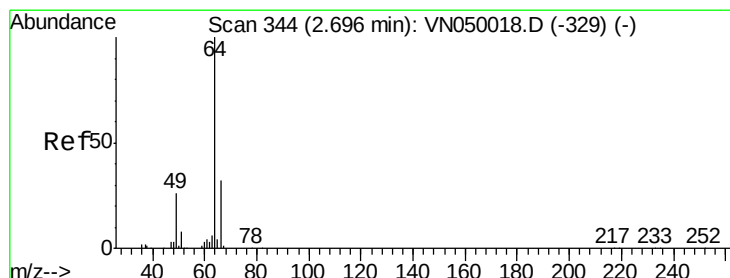
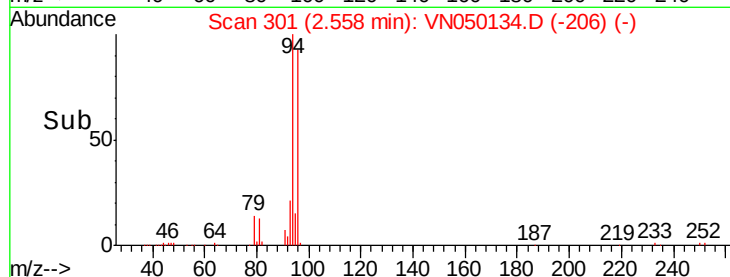
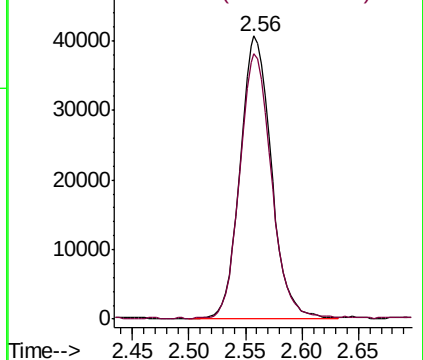
94 100

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: 17.99 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050134.D

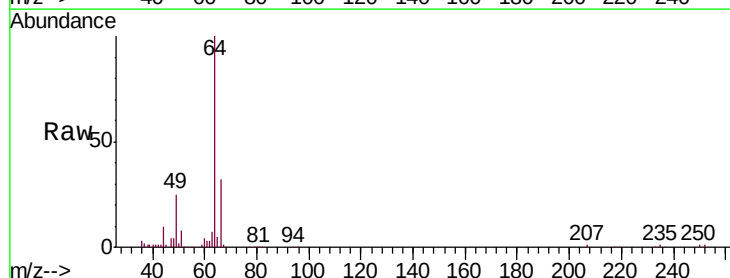
Acq: 27 Jul 2018 17:03

Tgt Ion: 64 Resp: 122673

Ion Ratio Lower Upper

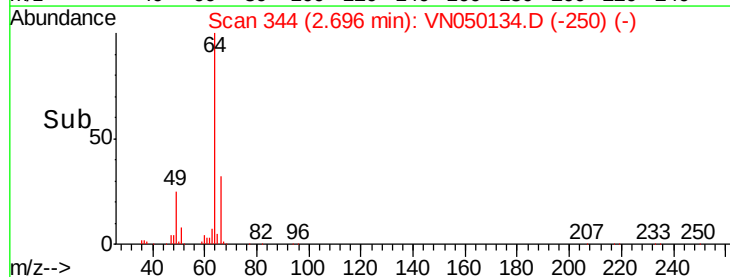
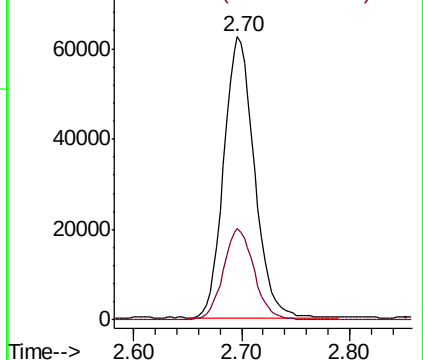
64 100

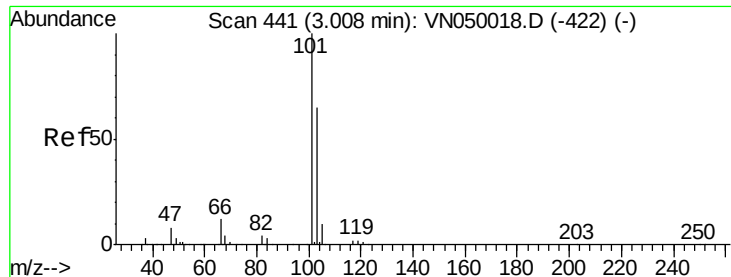
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



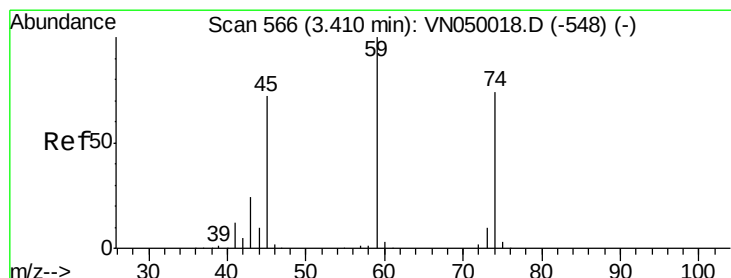
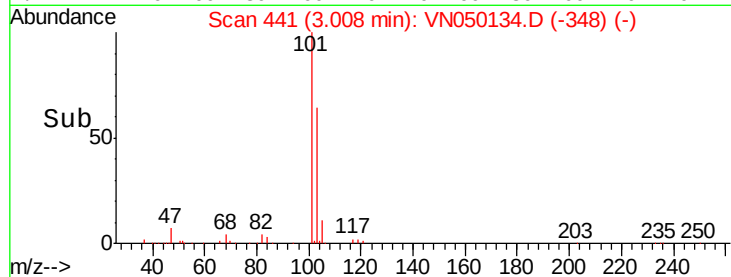
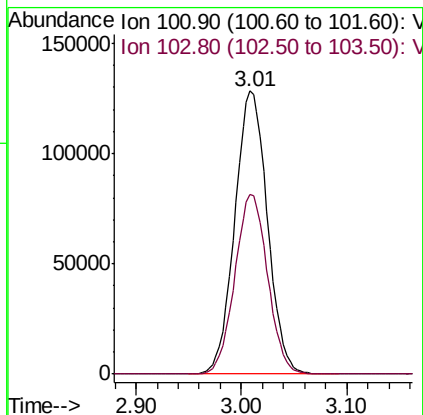
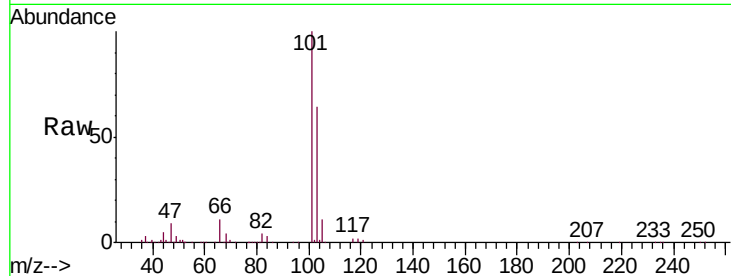


#7

Trichlorofluoromethane
 Concen: 18.74 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

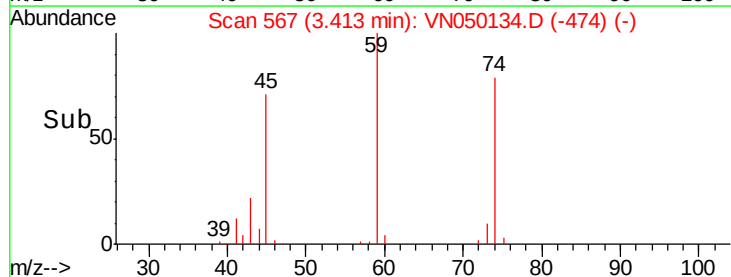
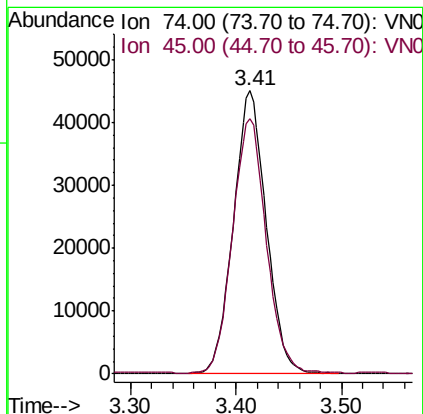
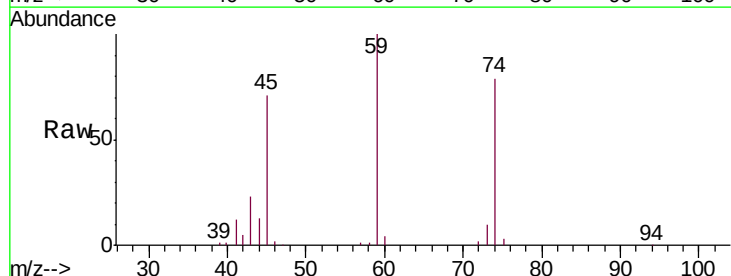
Tot Ion:101 Resp: 275667
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.7 77.5

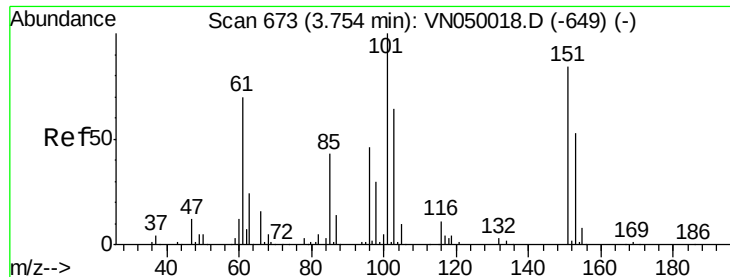


#8

Diethyl Ether
 Concen: 19.82 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion: 74 Resp: 97222
 Ion Ratio Lower Upper
 74 100
 45 92.8 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.64 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

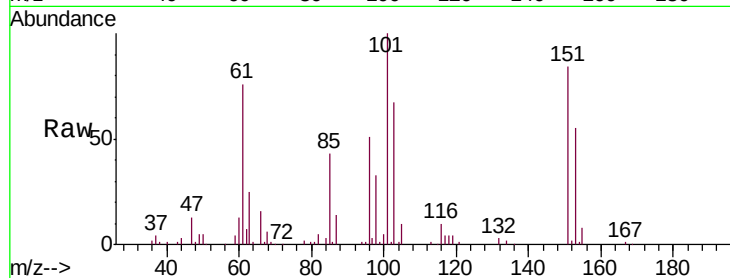
Tot Ion:101 Resp: 164933

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

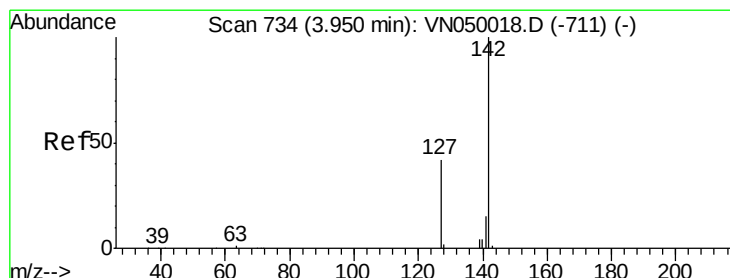
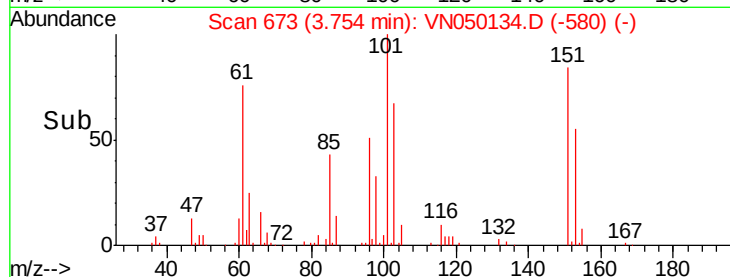
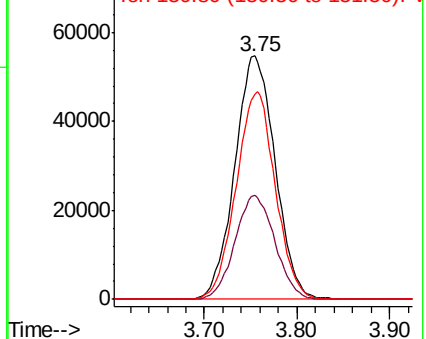
151 82.7 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.48 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

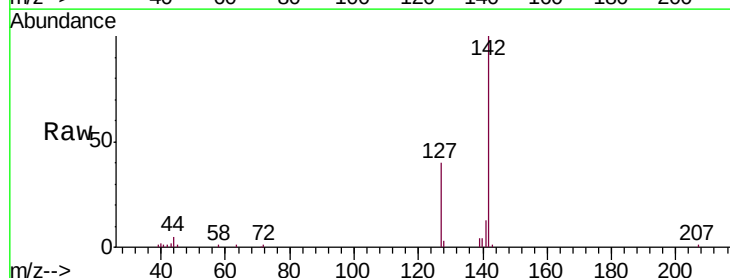
Tgt Ion:142 Resp: 96306

Ion Ratio Lower Upper

142 100

127 40.5 33.4 50.2

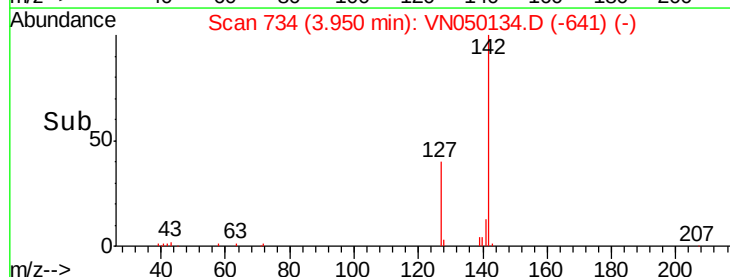
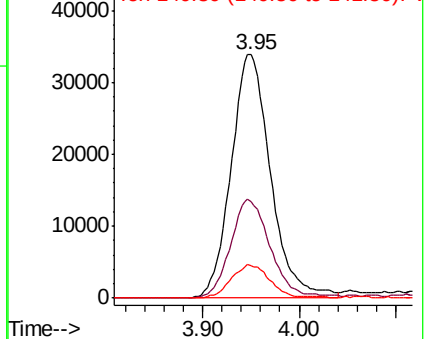
141 13.2 11.6 17.4

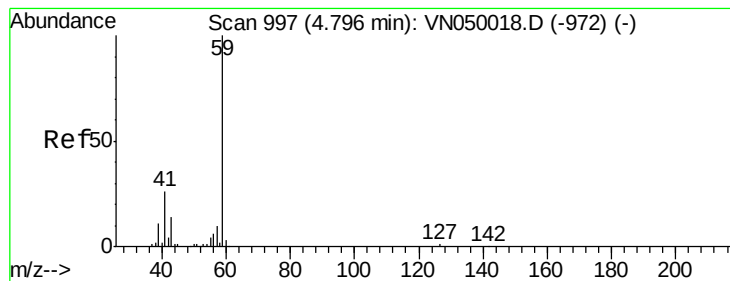


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.32 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

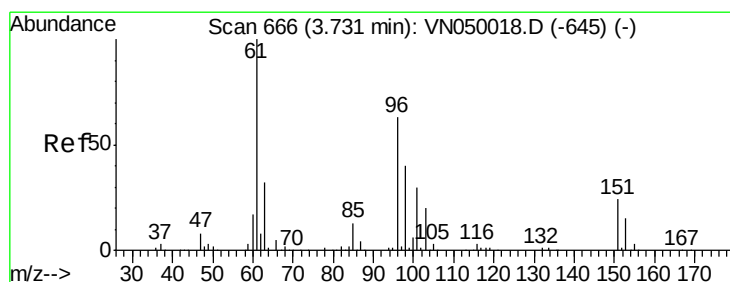
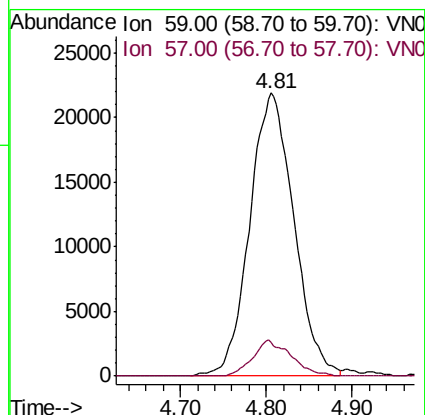
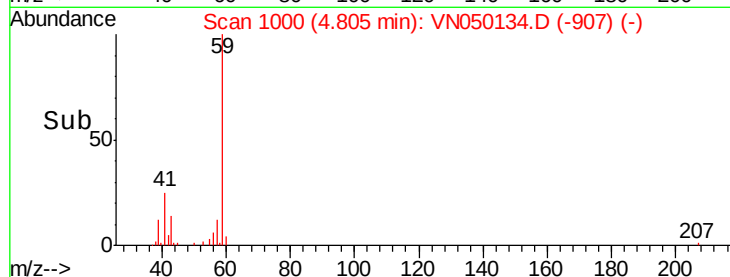
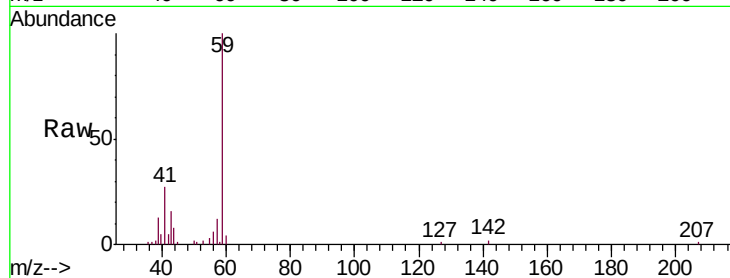
VN0727WBSD02

Tot Ion: 59 Resp: 78193

Ion Ratio Lower Upper

59 100

57 11.0 8.5 12.7



#12

1,1-Dichloroethene

Concen: 18.82 ug/l

RT: 3.73 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

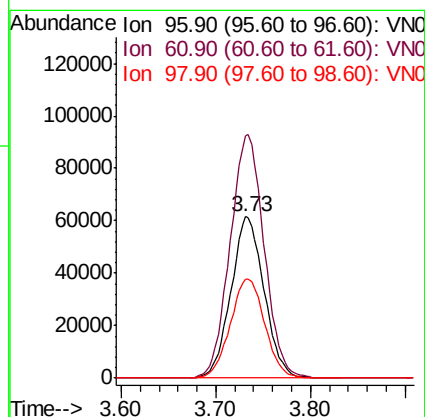
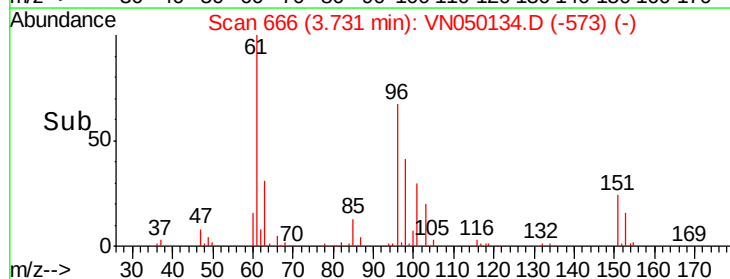
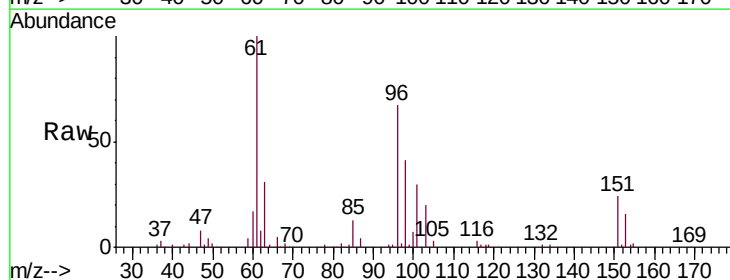
Tgt Ion: 96 Resp: 149727

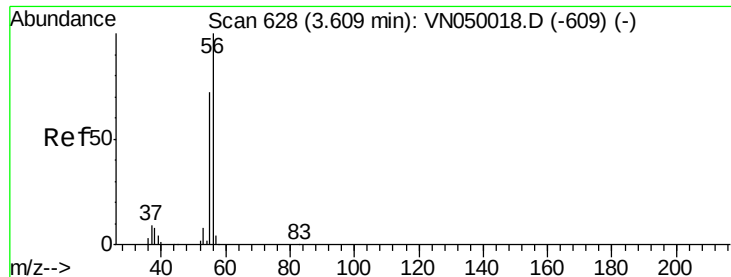
Ion Ratio Lower Upper

96 100

61 149.4 124.4 186.6

98 61.2 48.3 72.5





#13

Acrolein

Concen: 49.90 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

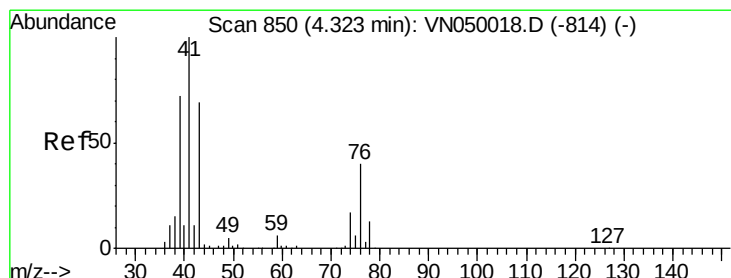
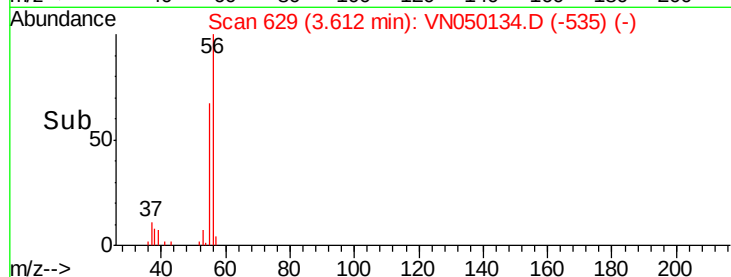
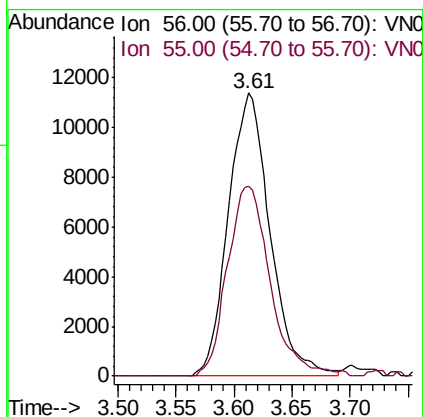
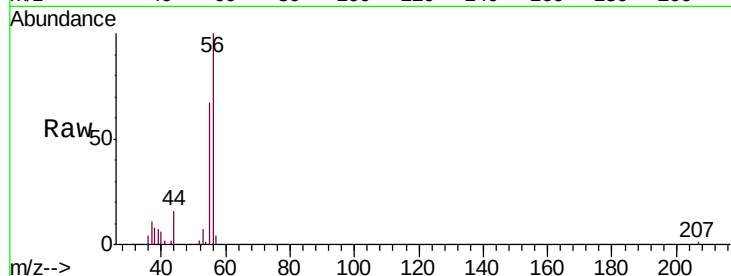
VN0727WBSD02

Tot Ion: 56 Resp: 28415

Ion Ratio Lower Upper

56 100

55 69.1 55.8 83.6



#14

Allyl chloride

Concen: 18.81 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

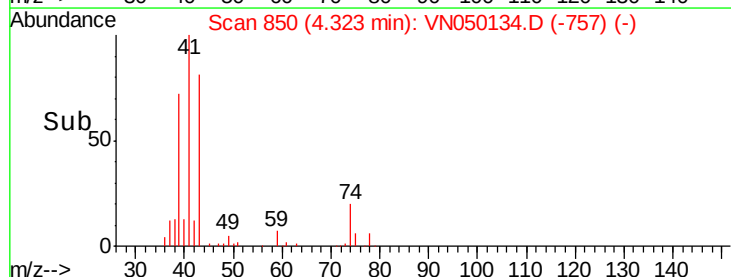
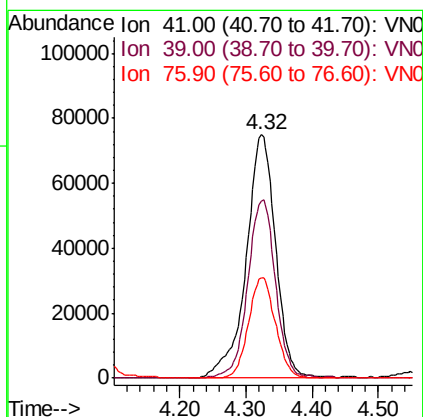
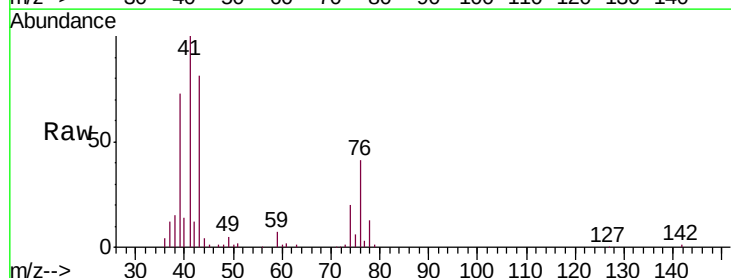
Tgt Ion: 41 Resp: 232089

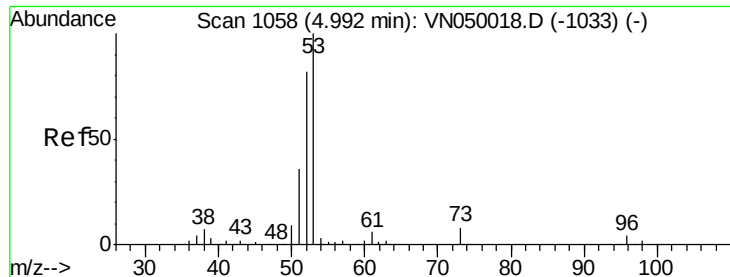
Ion Ratio Lower Upper

41 100

39 68.9 54.2 81.4

76 37.7 29.0 43.6





#15

Acrylonitrile

Concen: 98.52 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

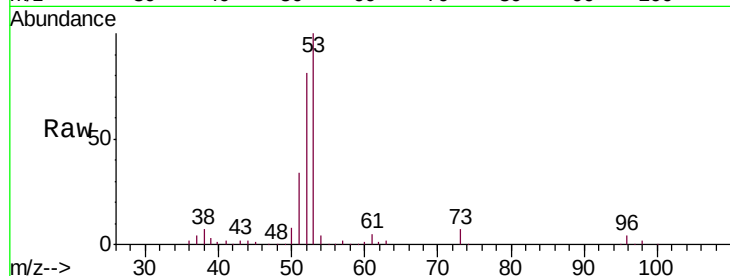
Tot Ion: 53 Resp: 304663

Ion Ratio Lower Upper

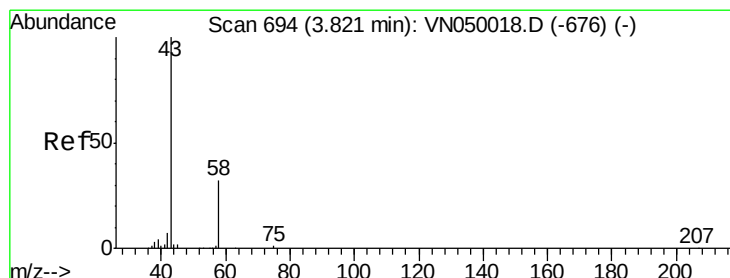
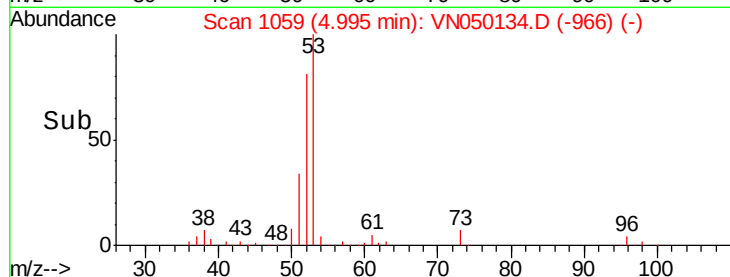
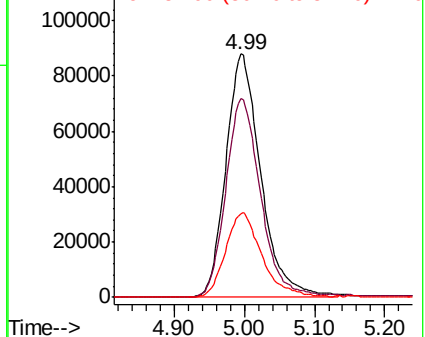
53 100

52 81.9 66.2 99.2

51 36.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 100.84 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050134.D

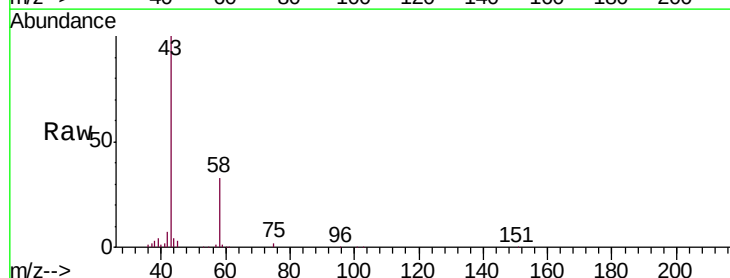
Acq: 27 Jul 2018 17:03

Tgt Ion: 43 Resp: 234685

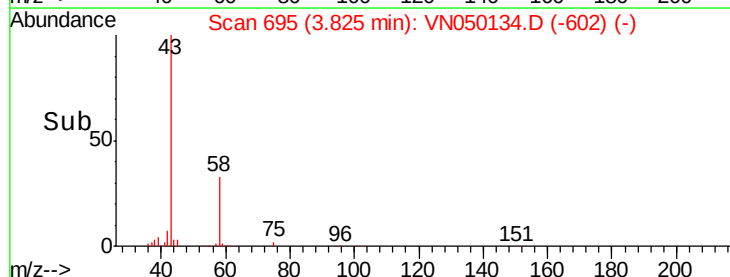
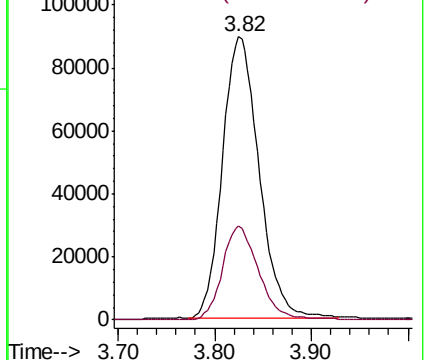
Ion Ratio Lower Upper

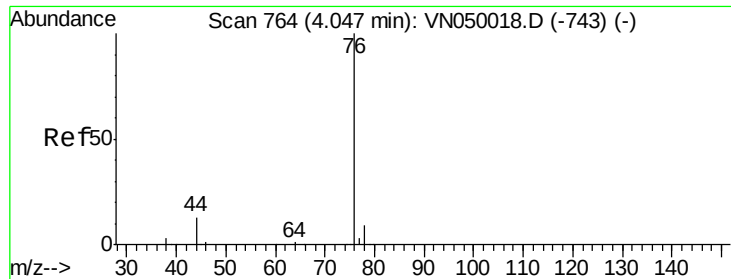
43 100

58 33.2 25.8 38.8



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

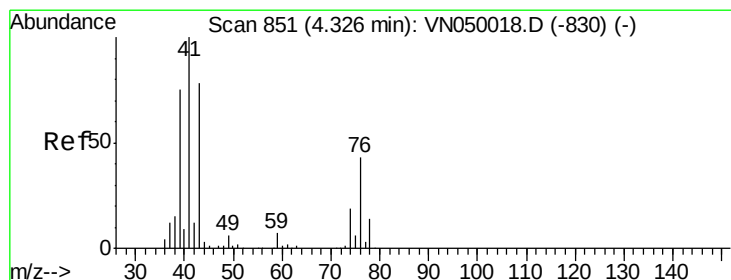
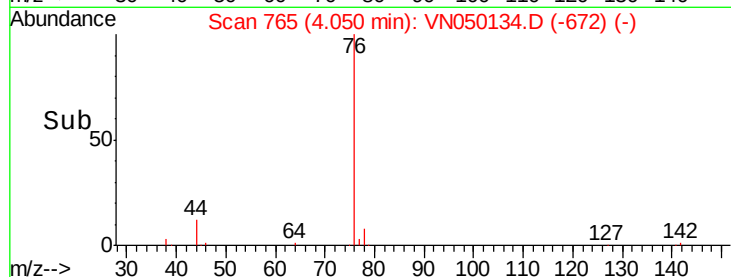
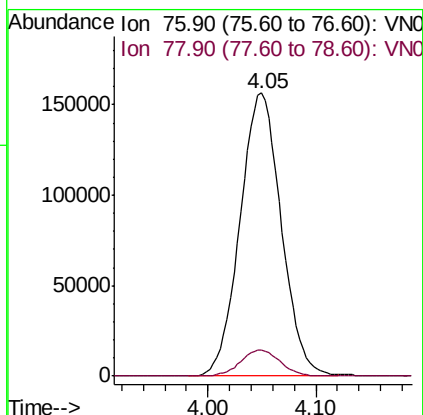
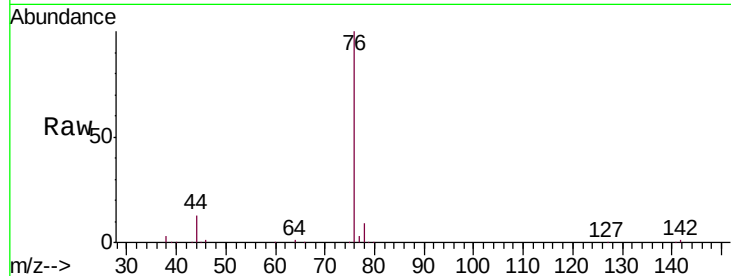




#17
Carbon Disulfide
Concen: 17.03 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

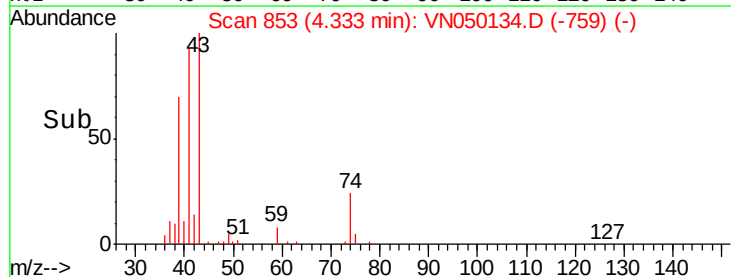
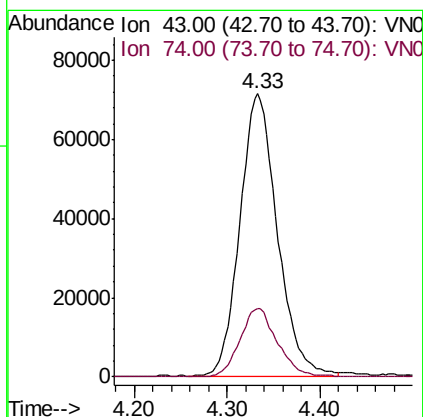
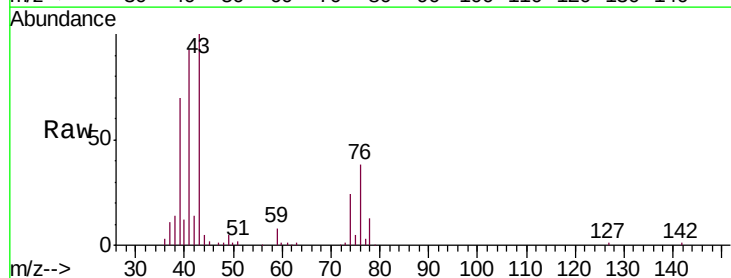
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

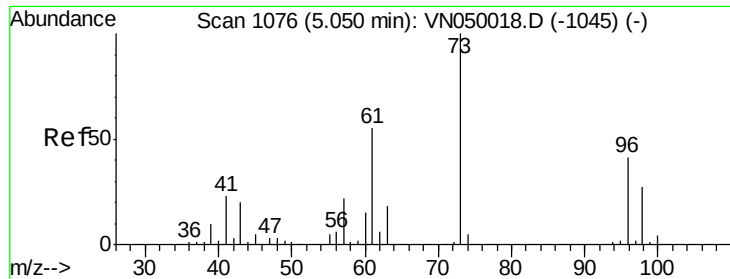
Tot Ion: 76 Resp: 415114
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 21.64 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 43 Resp: 199183
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

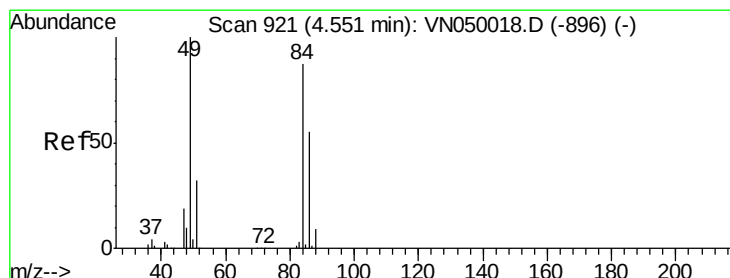
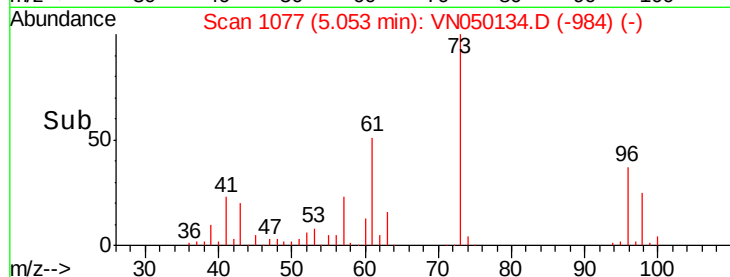
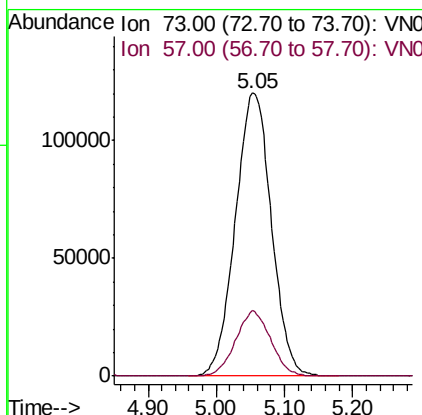
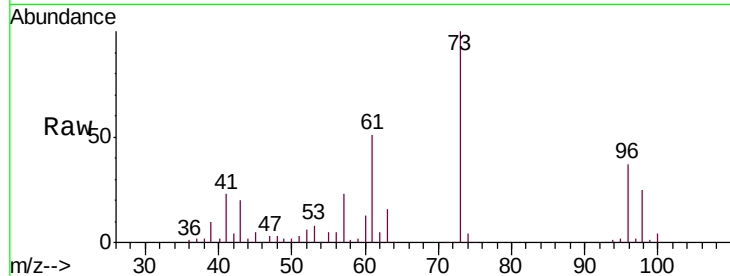




#19
Methyl tert-butyl Ether
Concen: 20.81 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

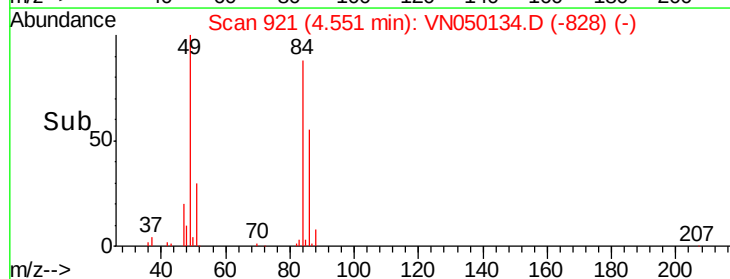
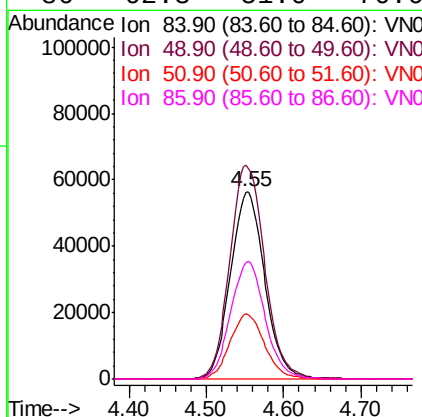
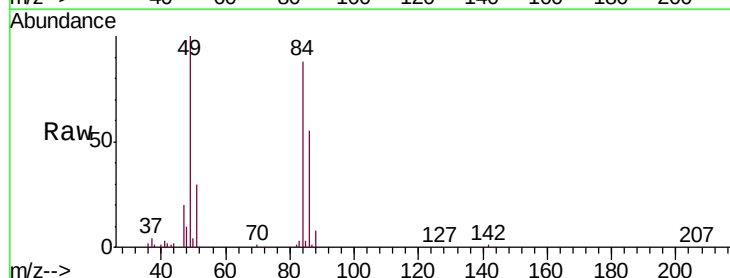
Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD02

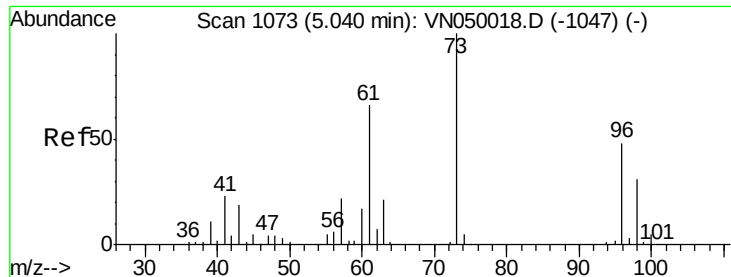
Tot Ion: 73 Resp: 441209
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0



#20
Methylene Chloride
Concen: 19.58 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 84 Resp: 173751
Ion Ratio Lower Upper
84 100
49 113.9 94.8 142.2
51 34.5 28.3 42.5
86 62.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.75 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

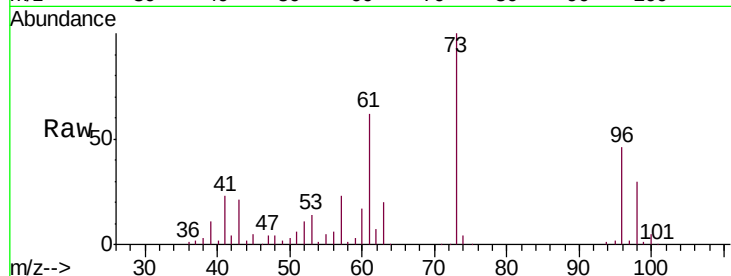
Tot Ion: 96 Resp: 158137

Ion Ratio Lower Upper

96 100

61 134.8 110.7 166.1

98 64.7 51.6 77.4

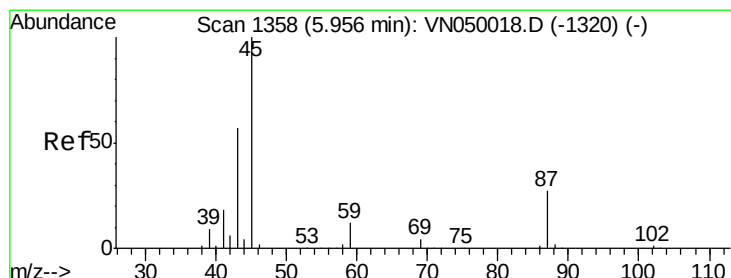
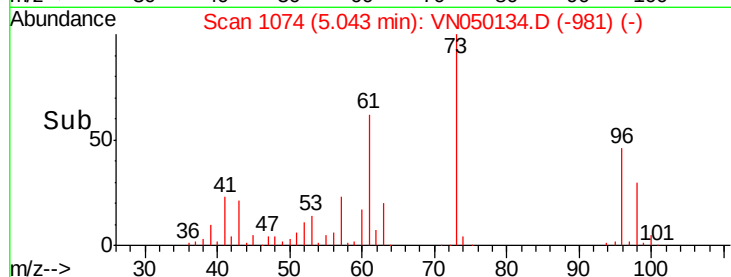
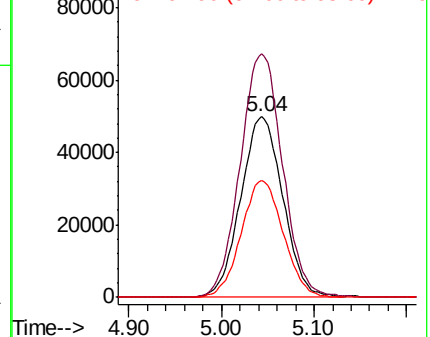


Abundance

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: 20.31 ug/l

RT: 5.96 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion: 45 Resp: 497002

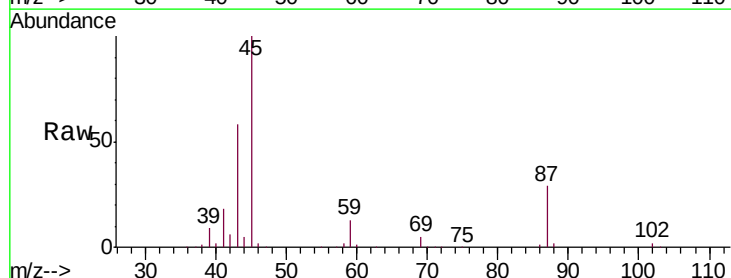
Ion Ratio Lower Upper

45 100

43 56.9 45.7 68.5

87 28.9 22.7 34.1

59 12.6 9.5 14.3



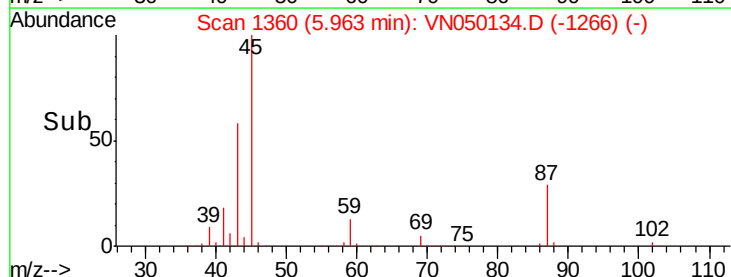
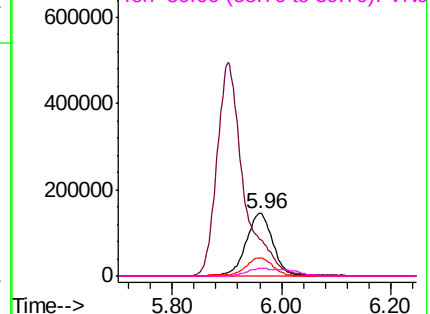
Abundance

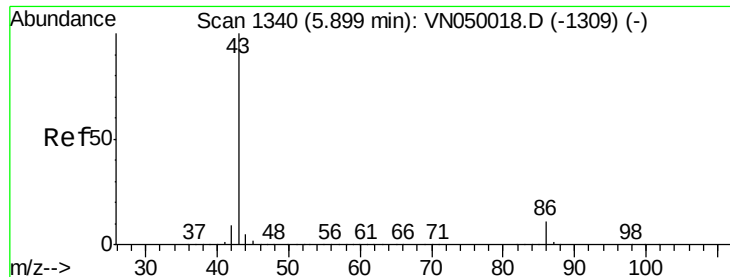
Ion 45.00 (44.70 to 45.70): VN0

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: 97.06 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

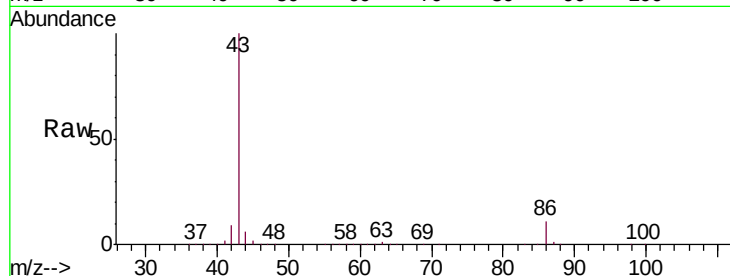
VN0727WBSD02

Tot Ion: 43 Resp: 1678121

Ion Ratio Lower Upper

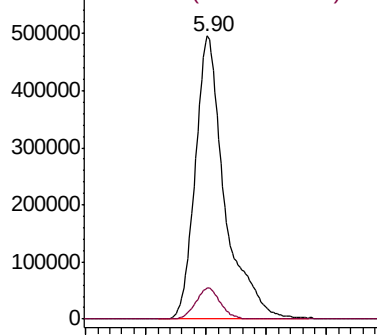
43 100

86 10.9 8.6 13.0

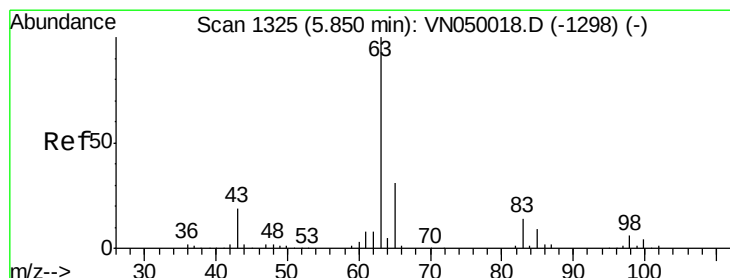
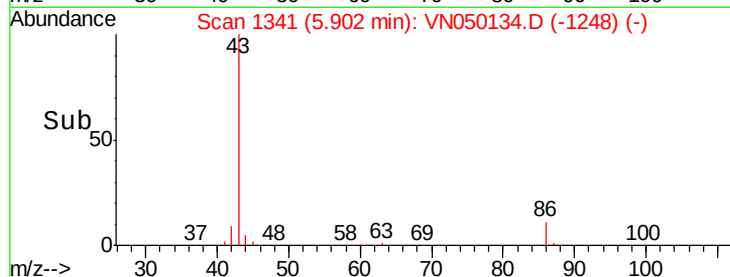


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.81 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

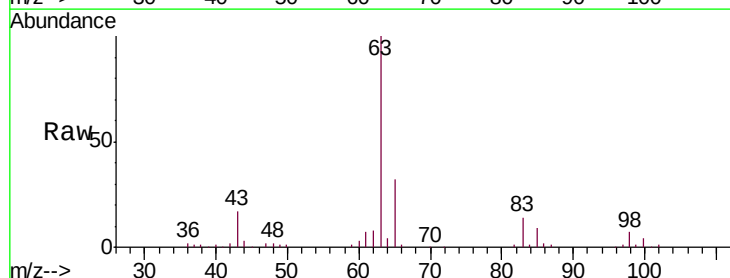
Tgt Ion: 63 Resp: 301011

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

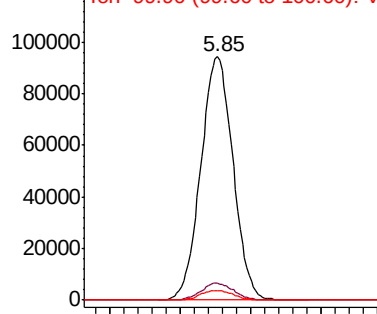
100 4.1 2.1 6.3



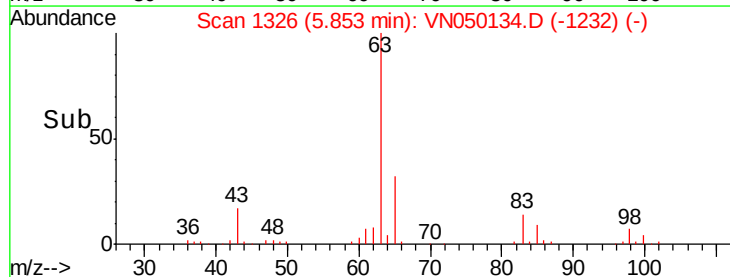
Abundance Ion 62.90 (62.60 to 63.60): VN0

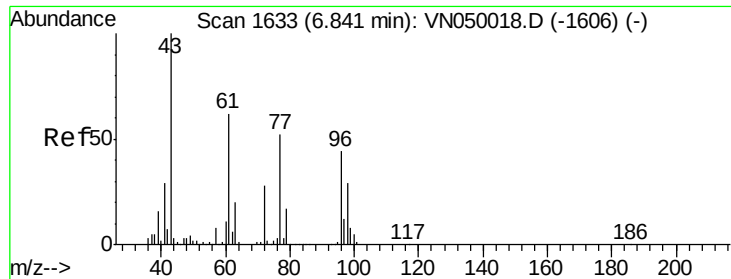
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 99.51 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

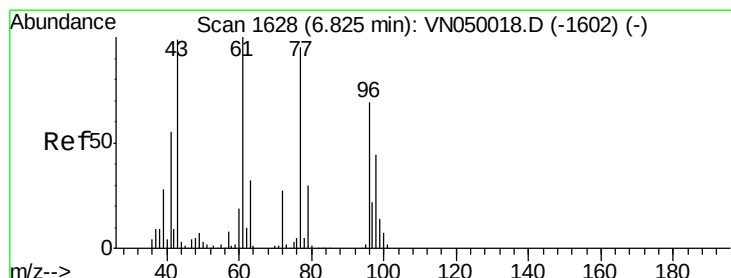
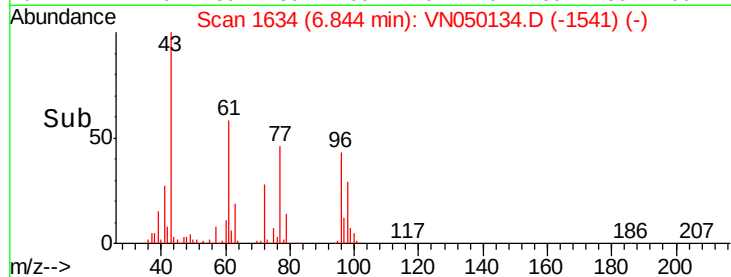
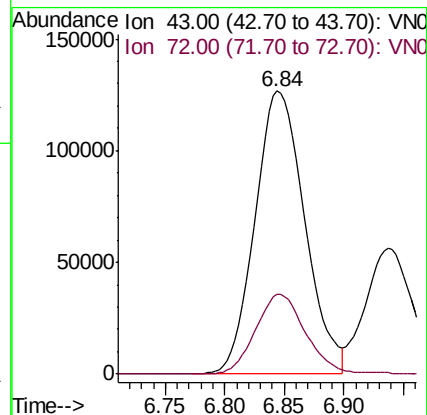
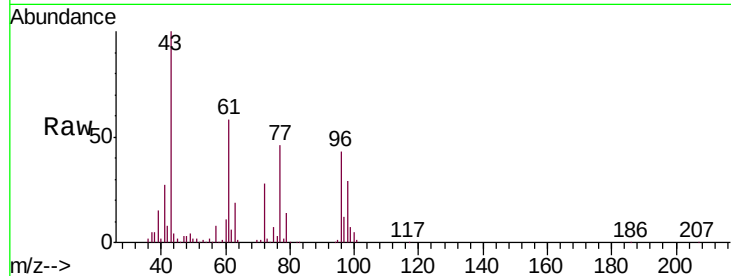
VN0727WBSD02

Tot Ion: 43 Resp: 365646

Ion Ratio Lower Upper

43 100

72 28.4 21.5 32.3



#26

2,2-Dichloropropane

Concen: 19.28 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050134.D

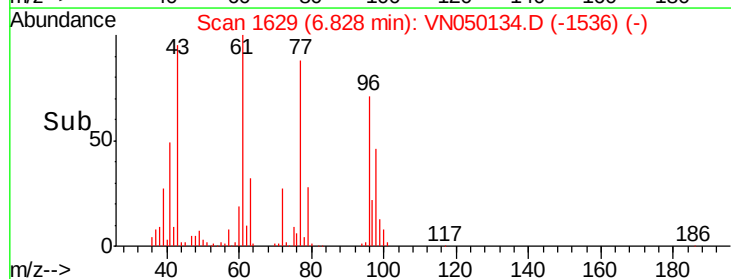
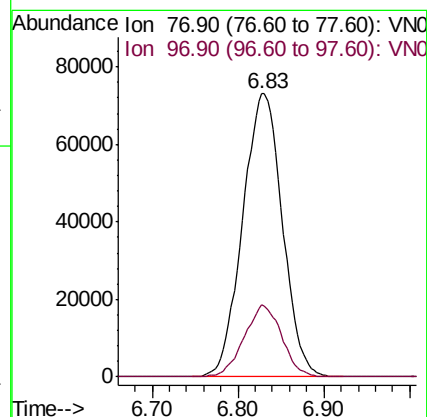
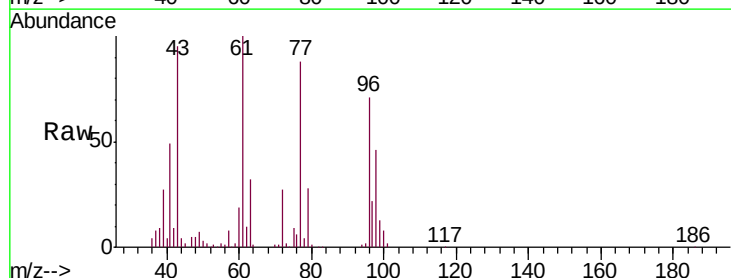
Acq: 27 Jul 2018 17:03

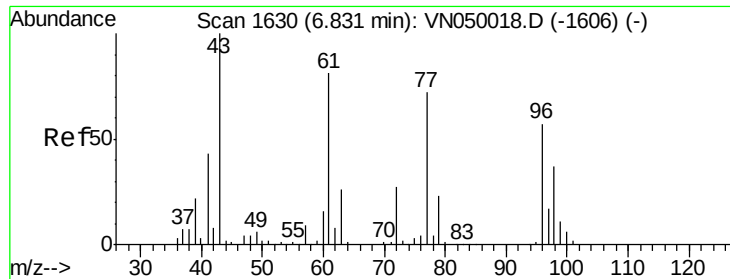
Tgt Ion: 77 Resp: 234649

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.76 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

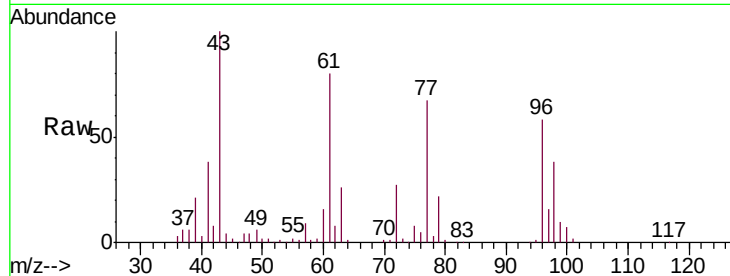
Tot Ion: 96 Resp: 179369

Ion Ratio Lower Upper

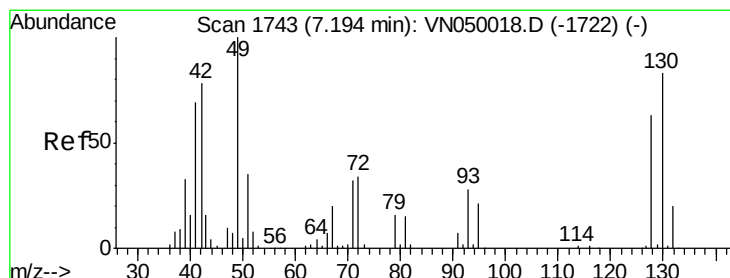
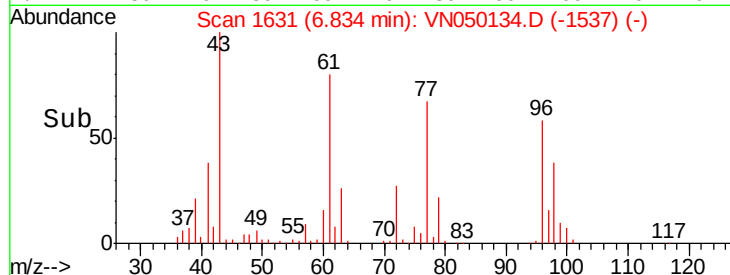
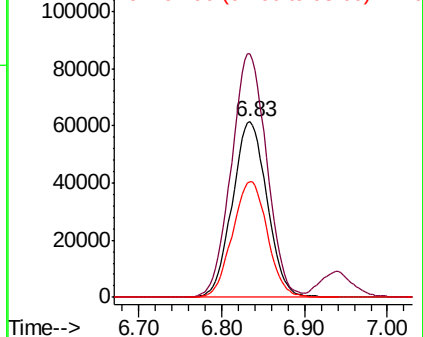
96 100

61 141.2 0.0 285.0

98 66.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.08 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

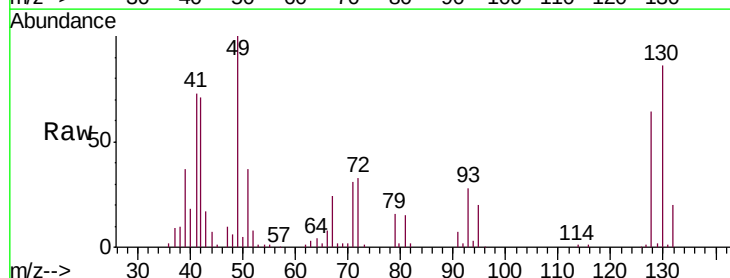
Tgt Ion: 49 Resp: 139232

Ion Ratio Lower Upper

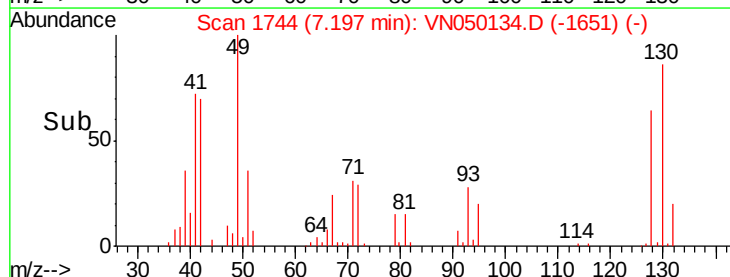
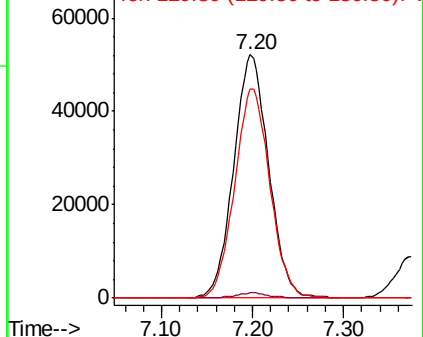
49 100

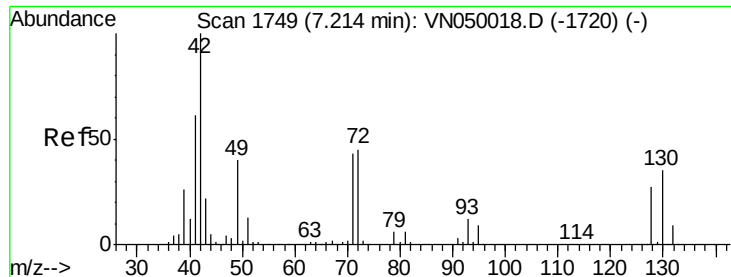
129 2.0 0.0 4.0

130 86.6 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

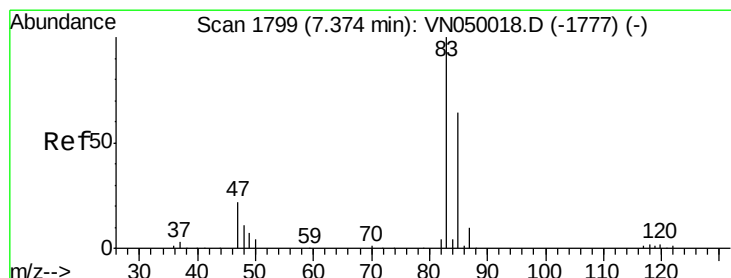
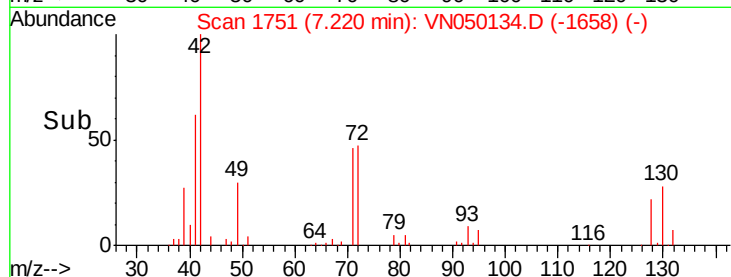
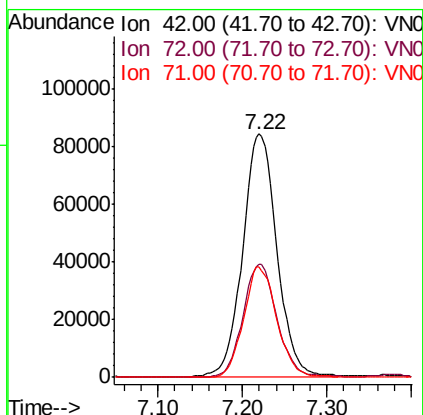
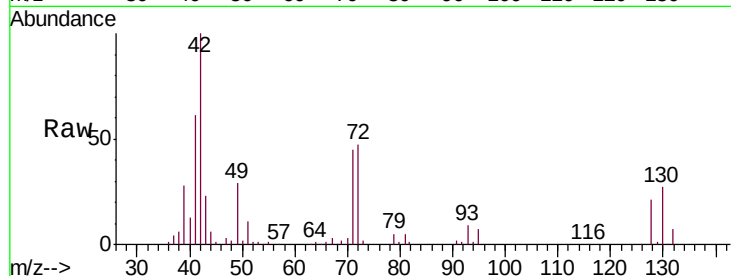




#29
Tetrahydrofuran
Concen: 99.44 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

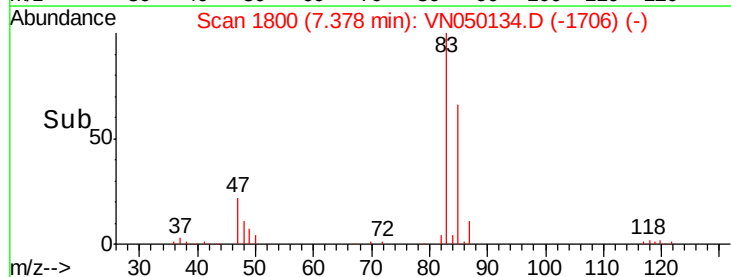
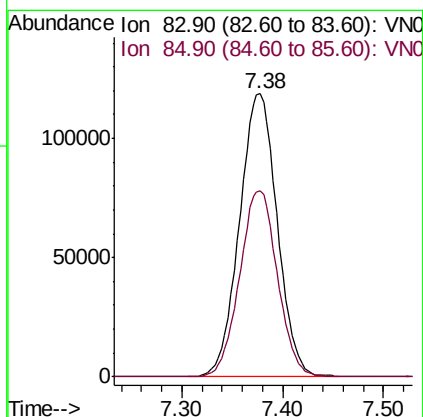
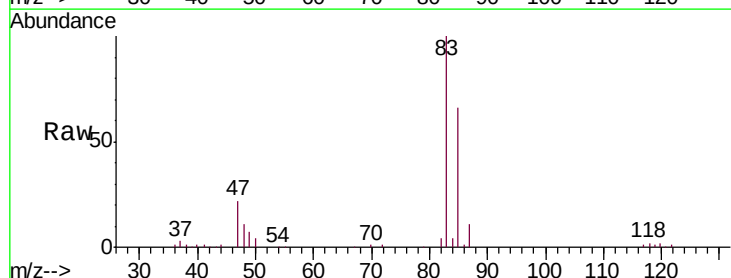
Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD02

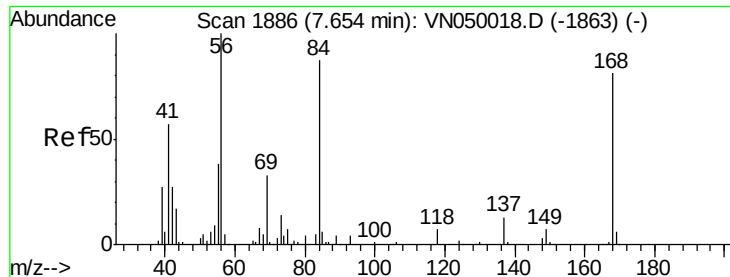
Tot Ion: 42 Resp: 236093
Ion Ratio Lower Upper
42 100
72 46.7 35.9 53.9
71 44.1 33.7 50.5



#30
Chloroform
Concen: 18.86 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 83 Resp: 307909
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7





#31

Cyclohexane

Concen: 18.87 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

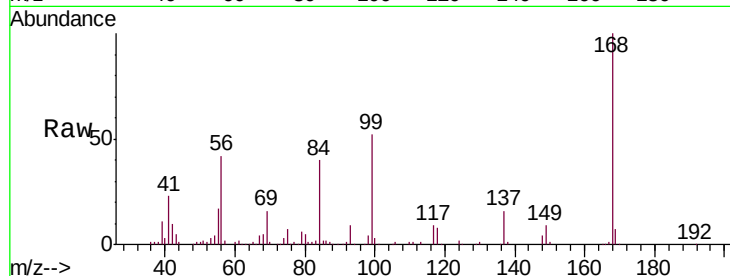
Tot Ion: 56 Resp: 250871

Ion Ratio Lower Upper

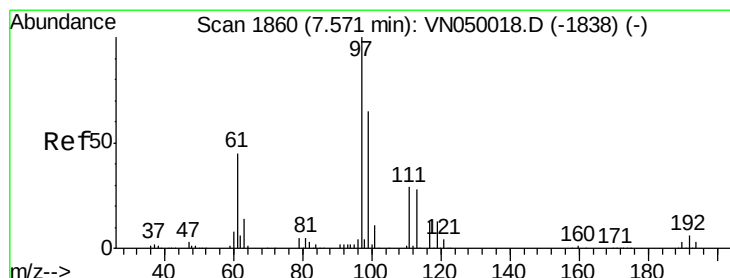
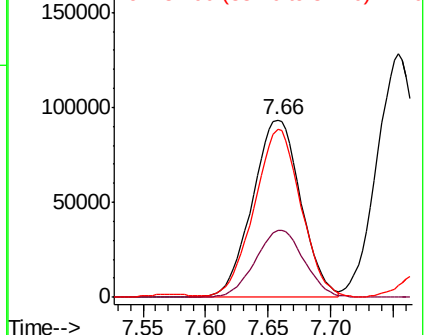
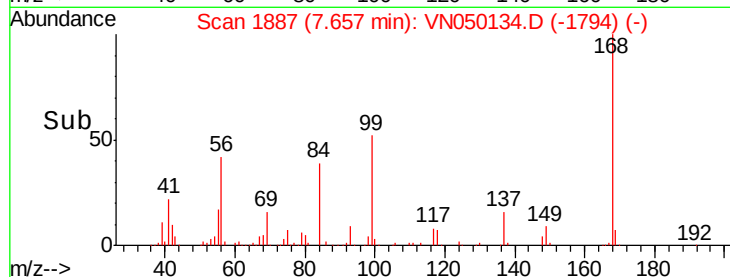
56 100

69 37.5 26.2 39.4

84 93.4 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: 19.03 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

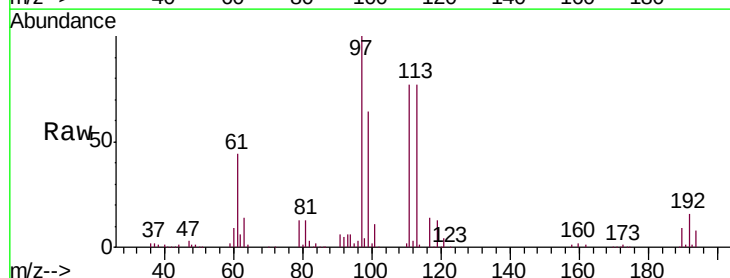
Tgt Ion: 97 Resp: 265822

Ion Ratio Lower Upper

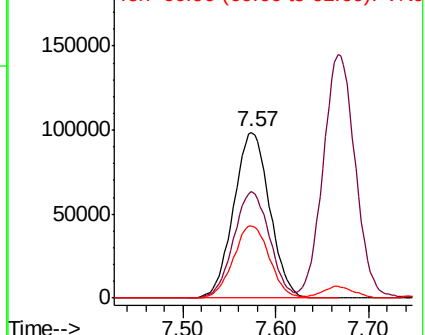
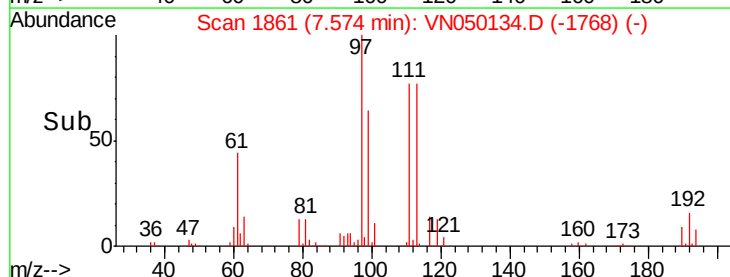
97 100

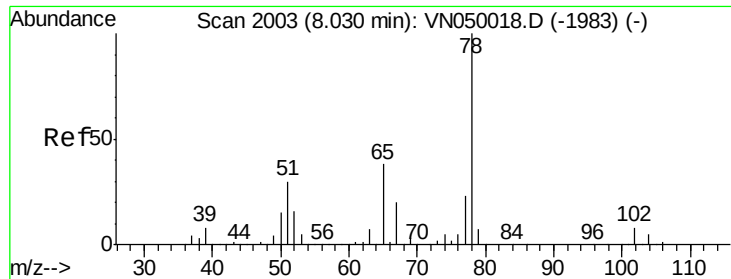
99 64.2 51.4 77.0

61 43.9 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.36 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

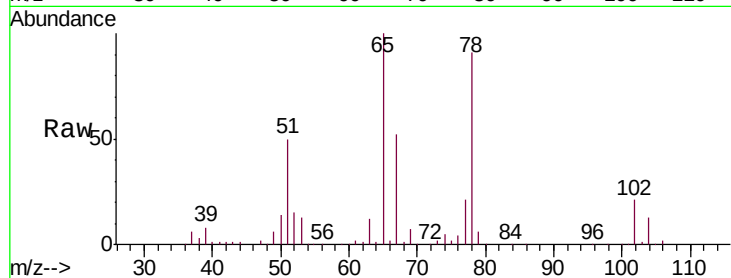
VN0727WBSD02

Tot Ion: 65 Resp: 465828

Ion Ratio Lower Upper

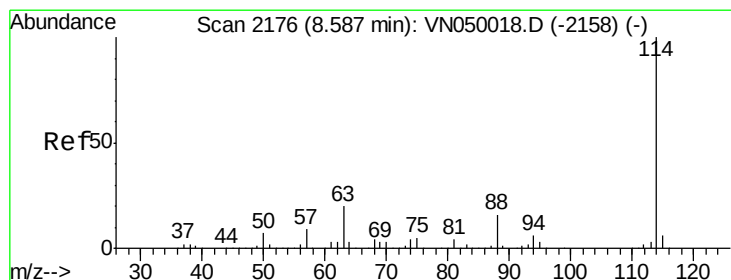
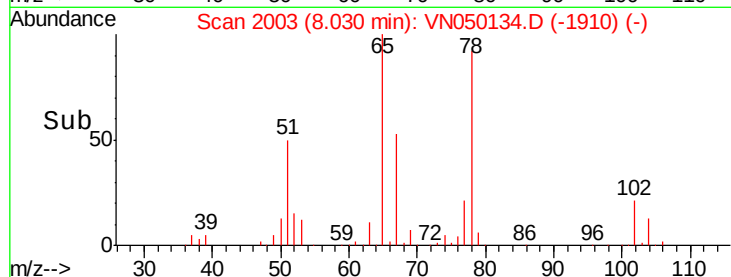
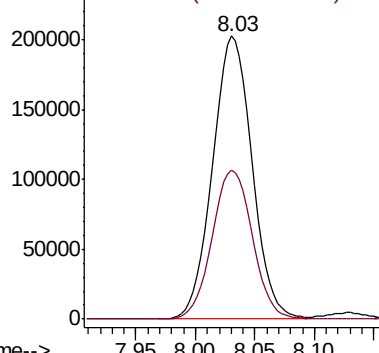
65 100

67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

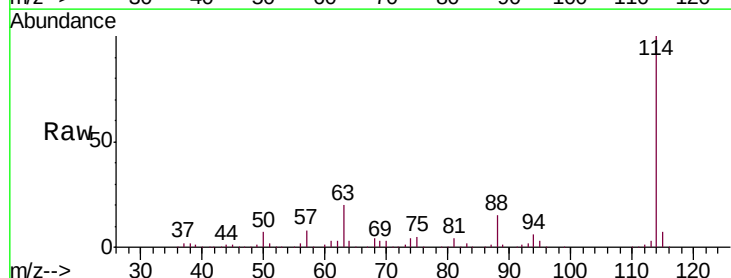
Tgt Ion: 114 Resp: 1029151

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

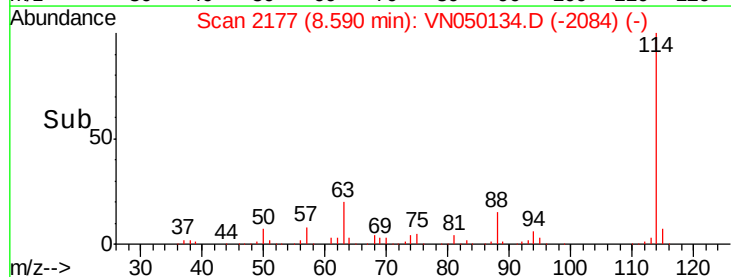
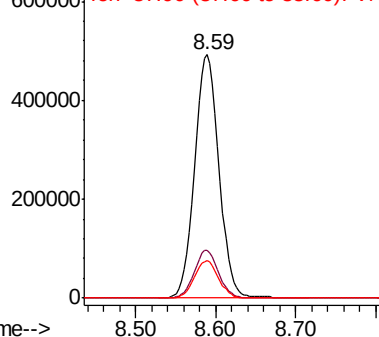
88 15.3 0.0 31.2

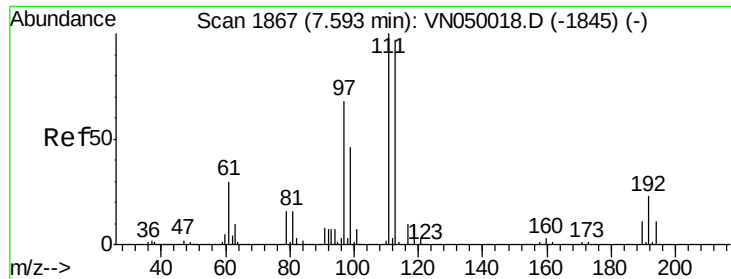


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

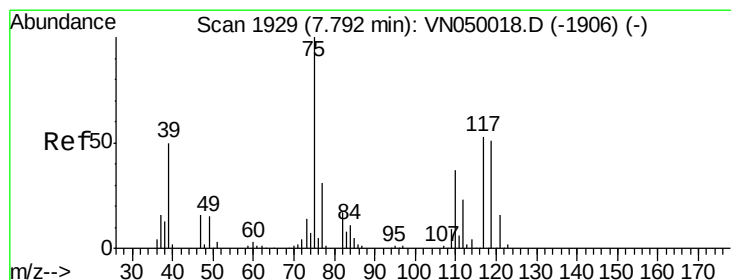
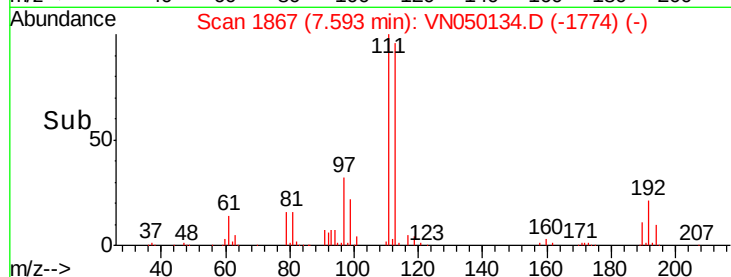
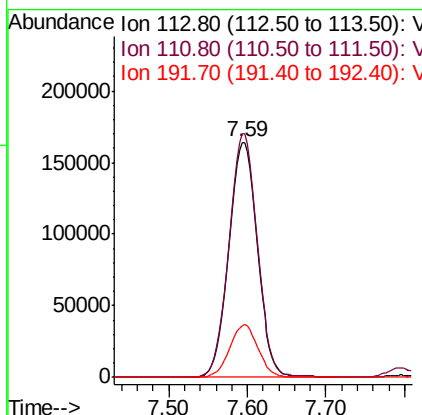
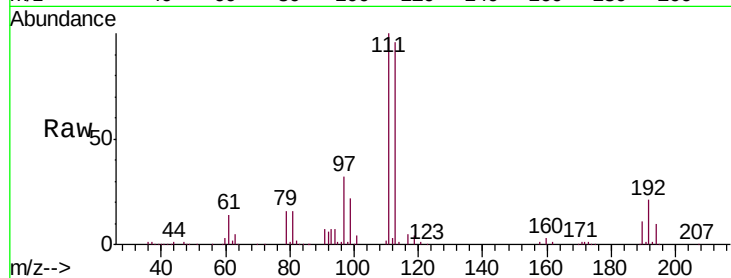




#35
 Dibromofluoromethane
 Concen: 49.39 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

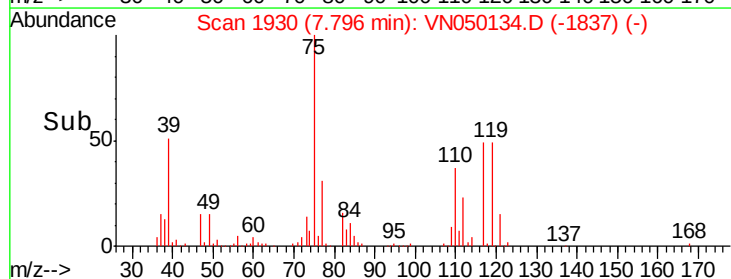
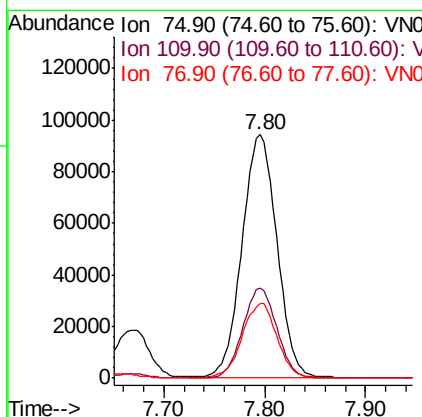
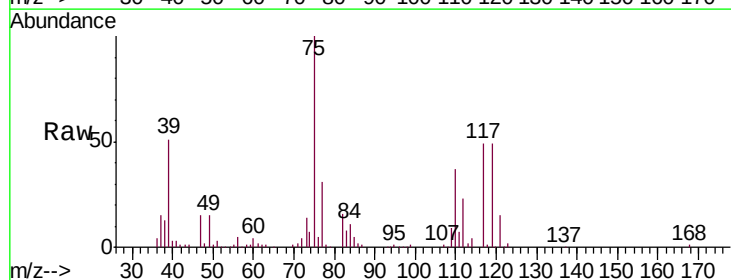
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

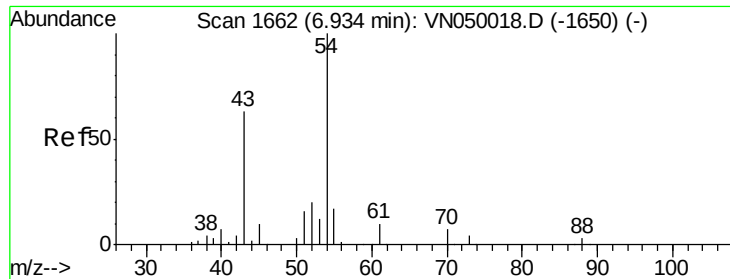
Tot Ion:113 Resp: 414995
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.45 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion: 75 Resp: 225551
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.4 55.2
 77 31.1 25.3 37.9

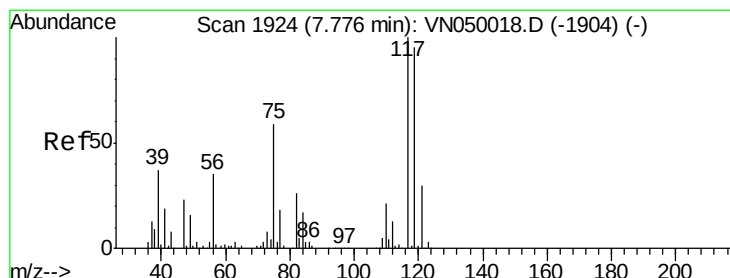
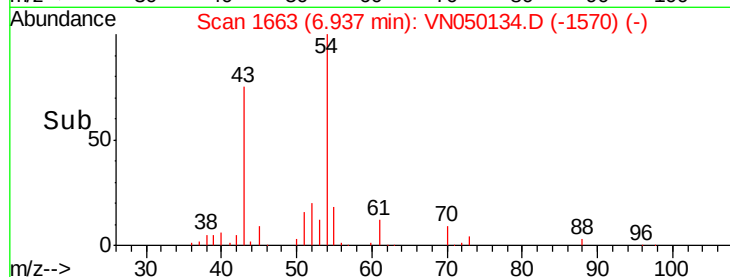
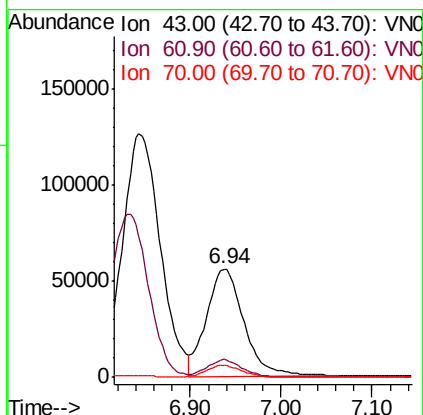
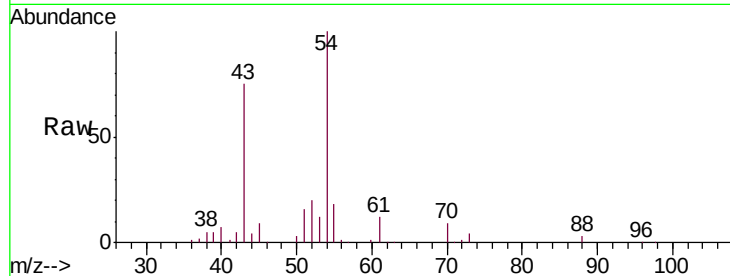




#37
Ethyl Acetate
Concen: 19.83 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

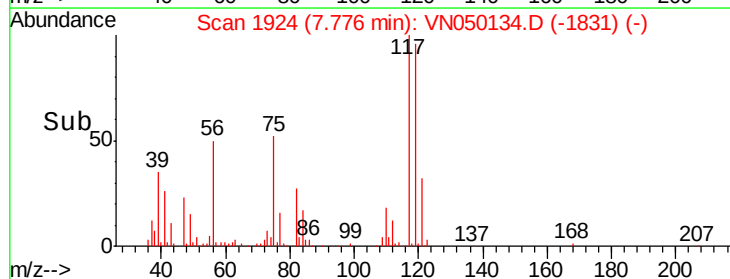
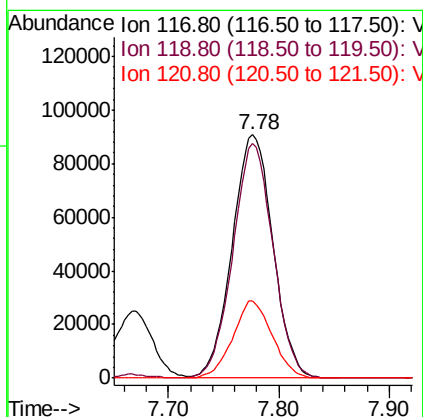
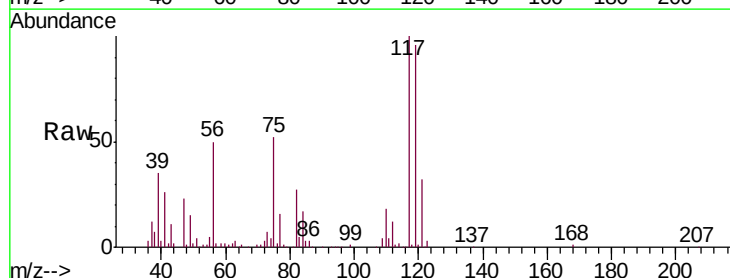
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

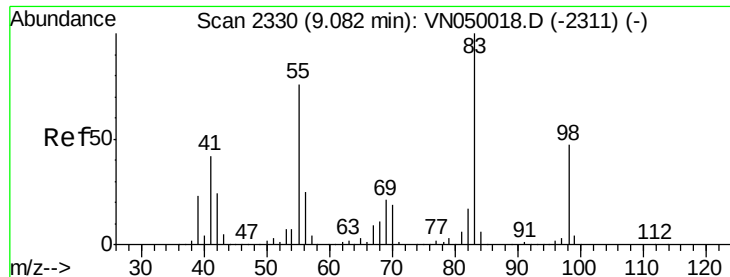
Tot Ion: 43 Resp: 160298
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.8
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.91 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 117 Resp: 232637
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 31.8 23.9 35.9

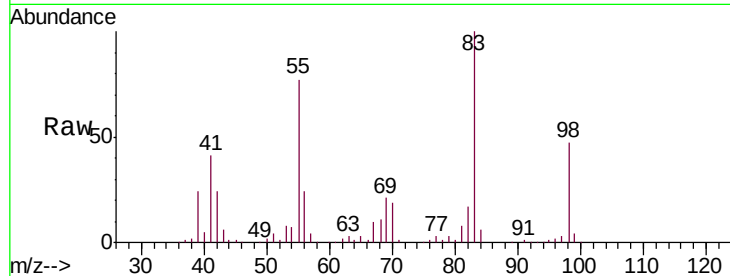




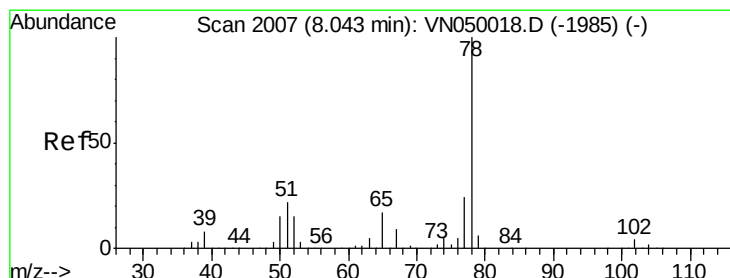
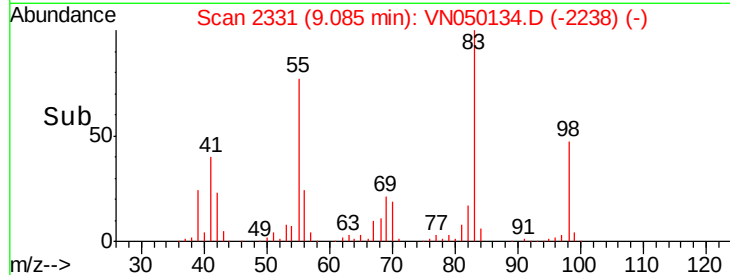
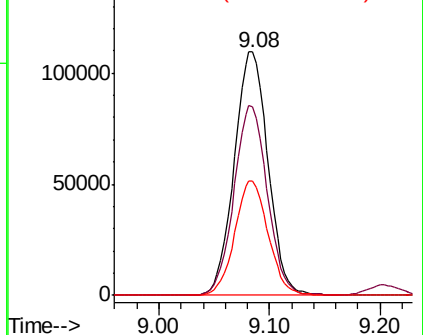
#39
Methylvlcyclohexane
Concen: 19.52 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion: 83 Resp: 232778
Ion Ratio Lower Upper
83 100
55 77.4 61.8 92.8
98 46.9 36.5 54.7

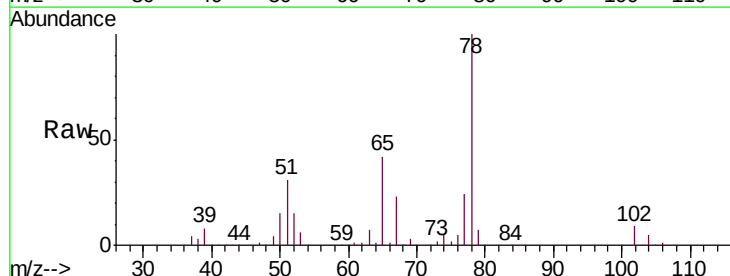


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

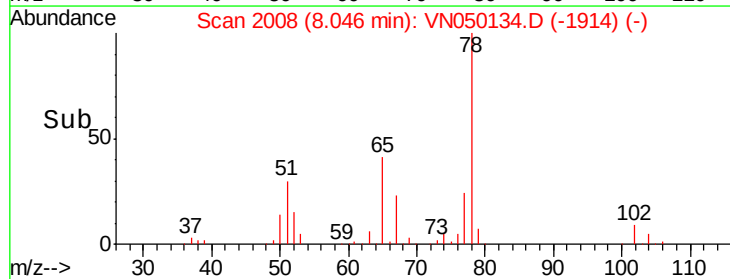
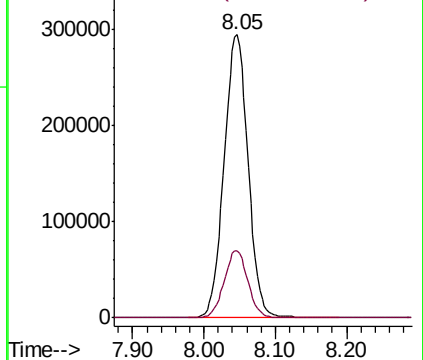


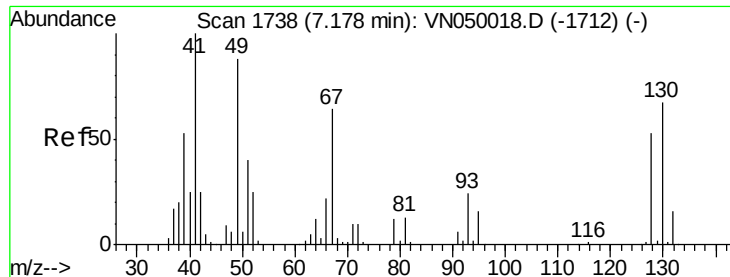
#40
Benzene
Concen: 19.55 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 78 Resp: 689613
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1



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

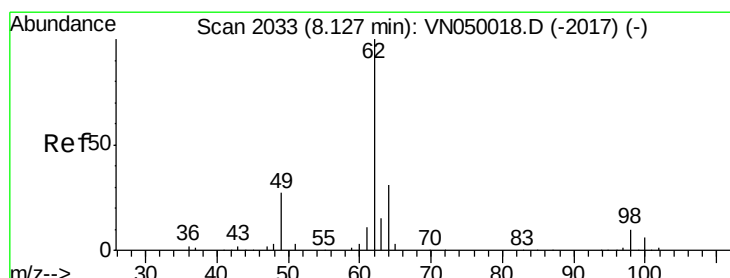
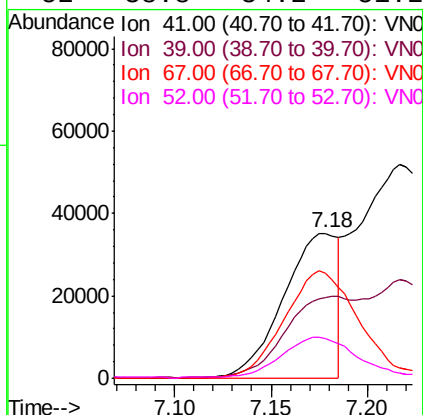
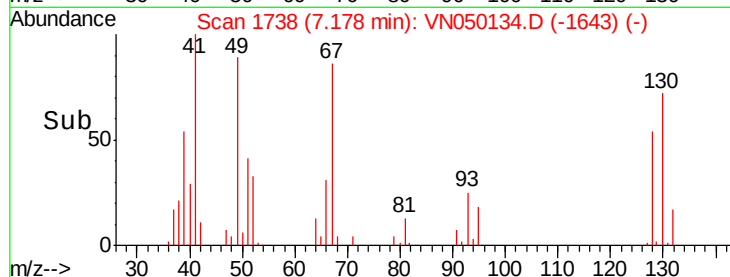
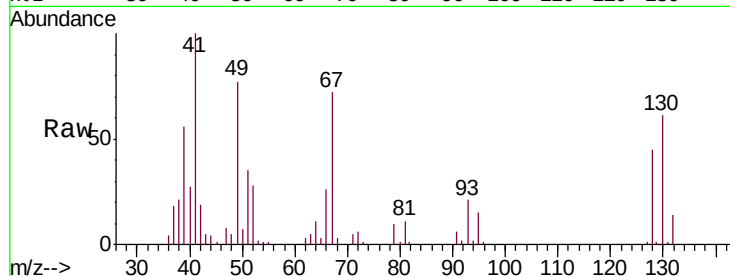




#41
Methacrylonitrile
Concen: 18.21 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

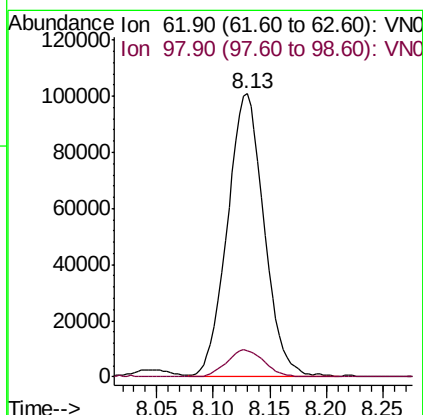
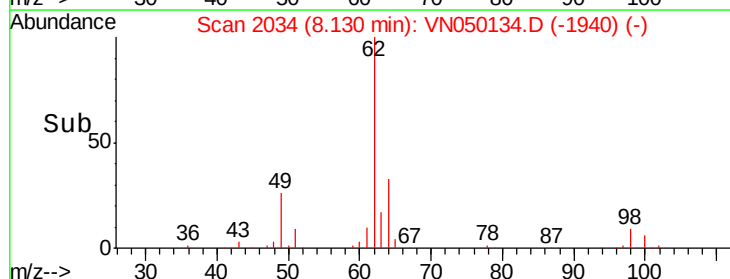
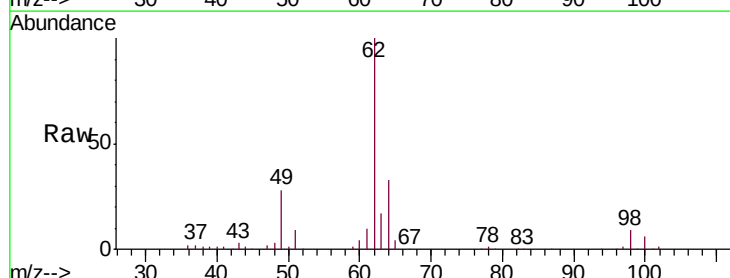
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

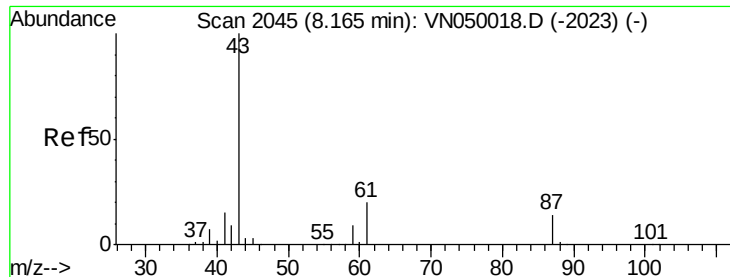
Tot Ion: 41 Resp: 68899
Ion Ratio Lower Upper
41 100
39 65.0 55.8 83.6
67 102.7 84.3 126.5
52 38.8 34.2 51.2



#42
1,2-Dichloroethane
Concen: 19.23 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 62 Resp: 226369
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.8





#43

Isopropyl Acetate

Concen: 19.83 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

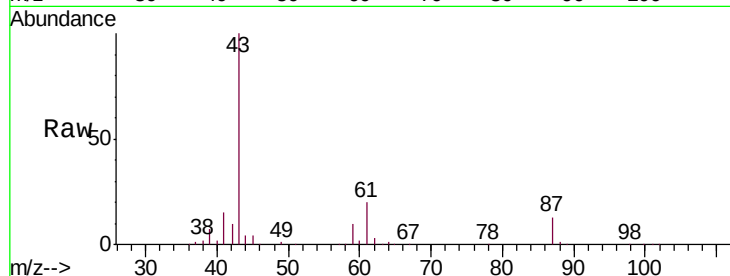
Tot Ion: 43 Resp: 312538

Ion Ratio Lower Upper

43 100

61 25.7 15.8 23.6#

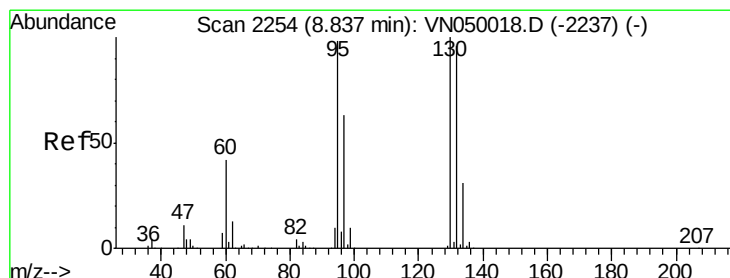
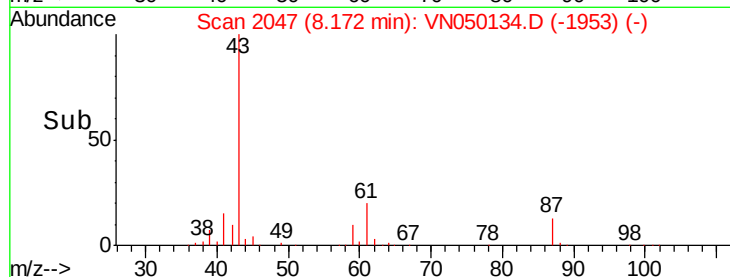
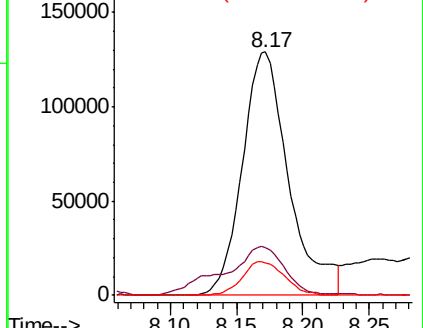
87 12.8 10.3 15.5



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: 18.95 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050134.D

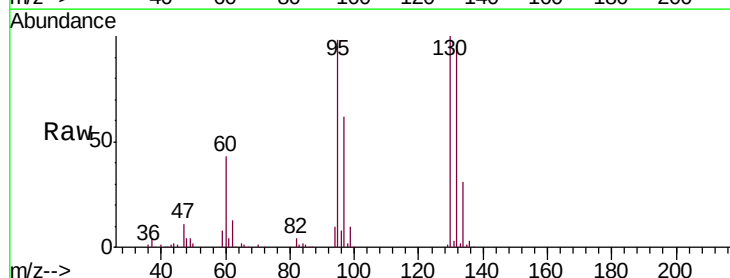
Acq: 27 Jul 2018 17:03

Tgt Ion:130 Resp: 179680

Ion Ratio Lower Upper

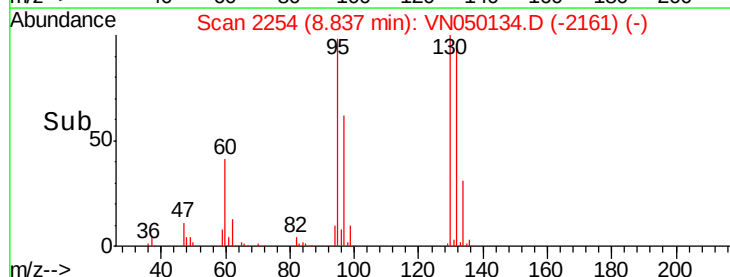
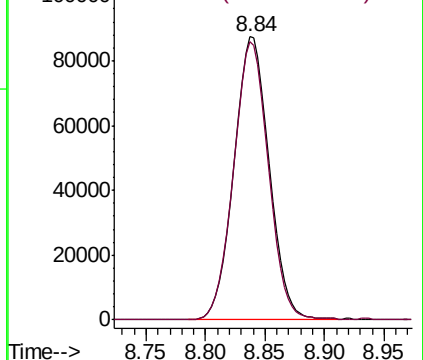
130 100

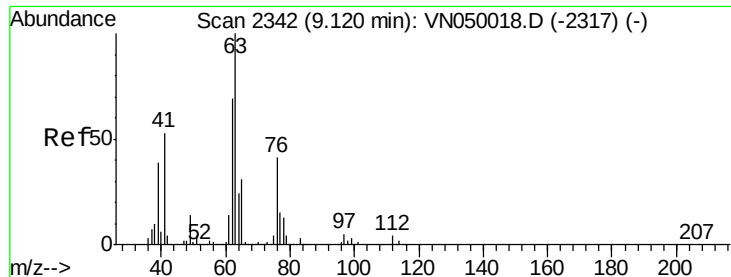
95 98.4 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.45 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

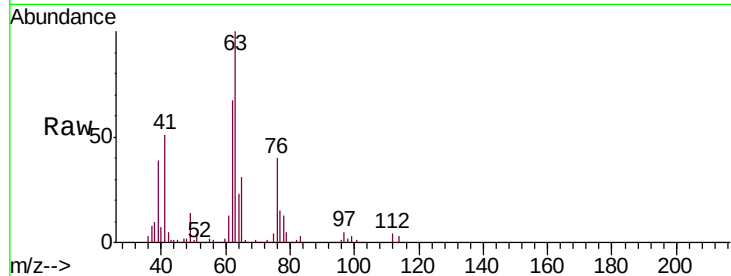
VN0727WBSD02

Tot Ion: 63 Resp: 181756

Ion Ratio Lower Upper

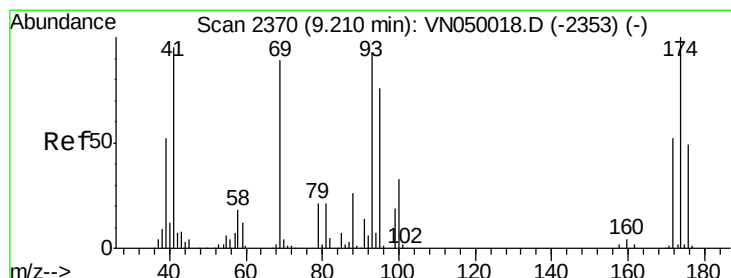
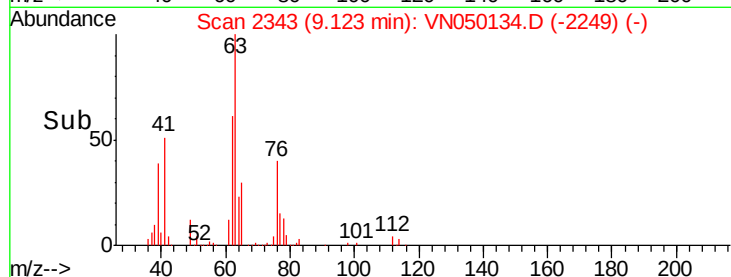
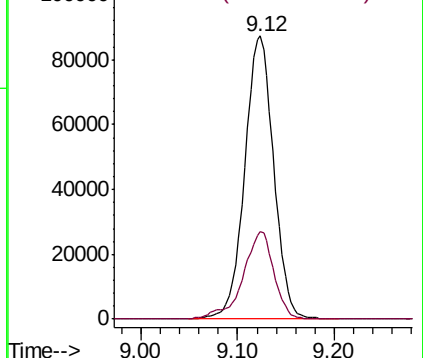
63 100

65 31.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.30 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

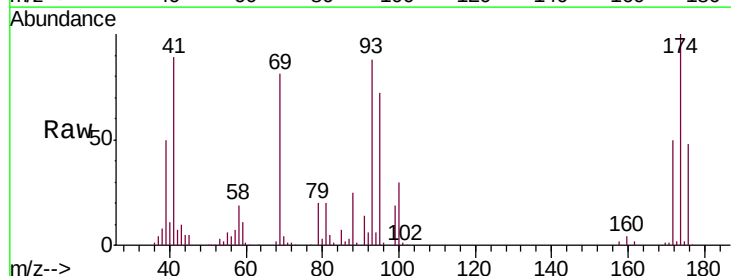
Tgt Ion: 93 Resp: 111991

Ion Ratio Lower Upper

93 100

95 84.8 66.6 100.0

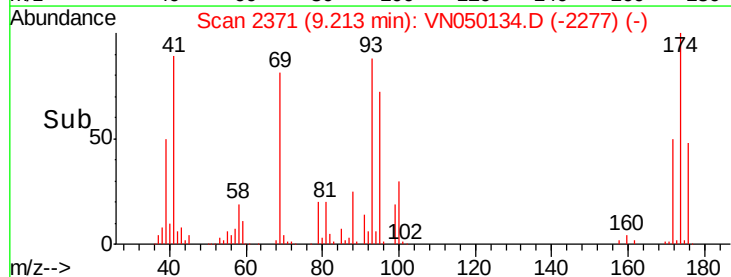
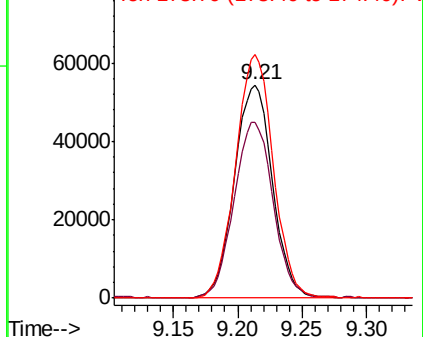
174 113.4 87.1 130.7

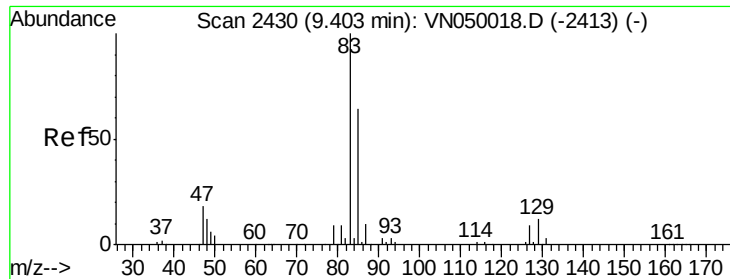


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.00 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

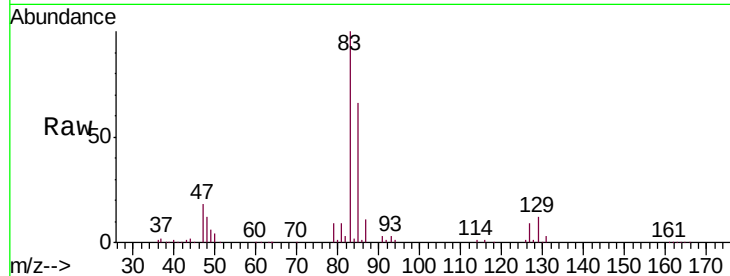
Tot Ion: 83 Resp: 232724

Ion Ratio Lower Upper

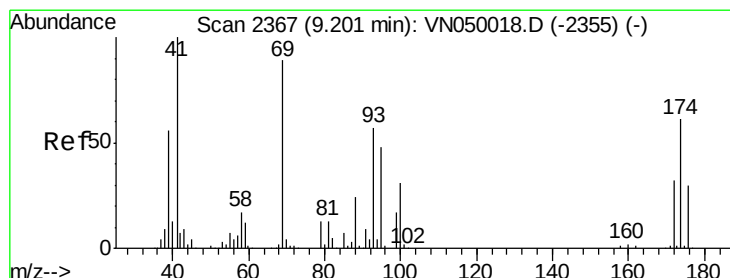
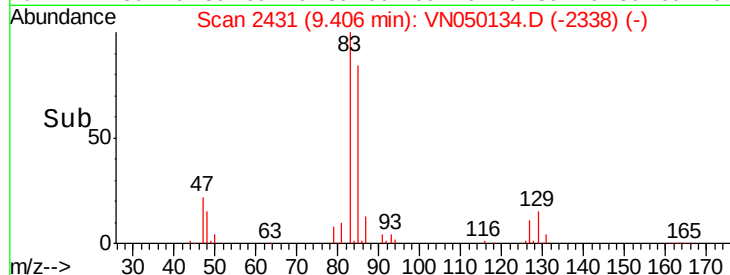
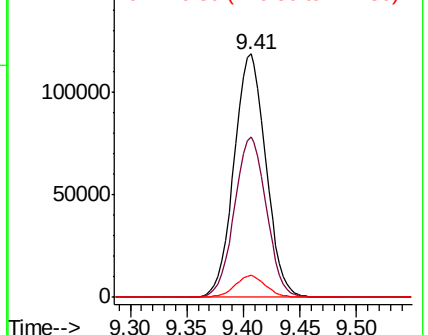
83 100

85 66.0 51.1 76.7

127 8.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.33 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

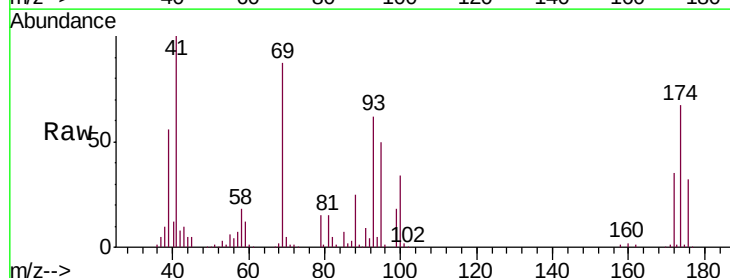
Tgt Ion: 41 Resp: 141517

Ion Ratio Lower Upper

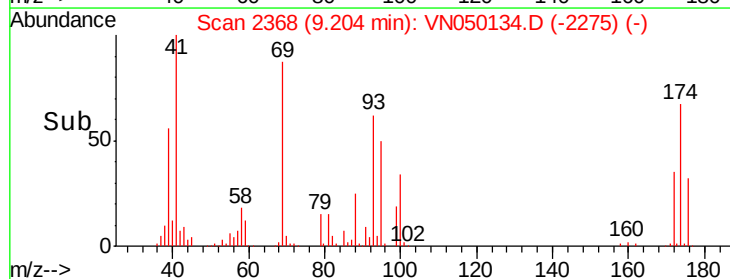
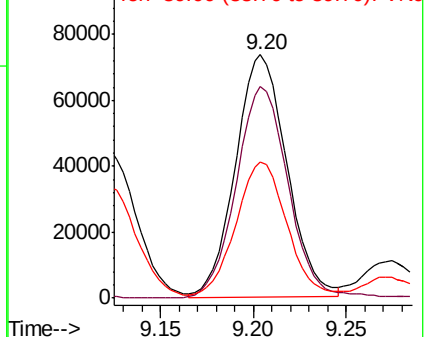
41 100

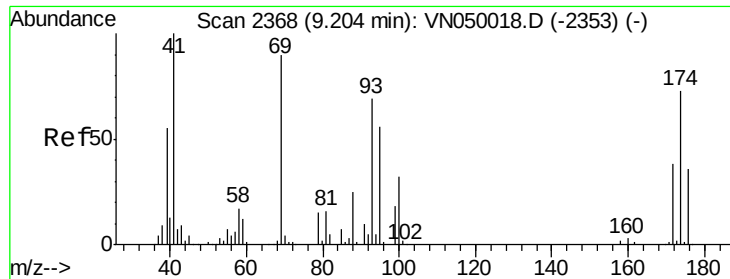
69 89.3 70.6 105.8

39 55.8 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: 431.51 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

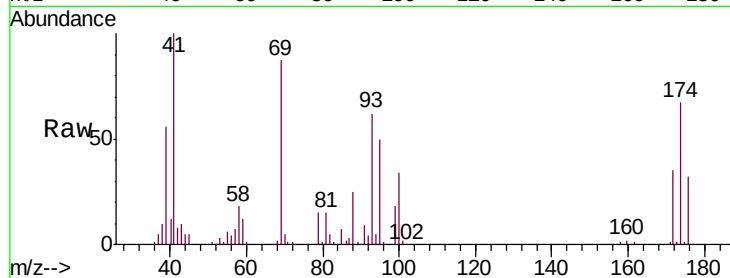
Tot Ion: 88 Resp: 40884

Ion Ratio Lower Upper

88 100

43 34.0 26.9 40.3

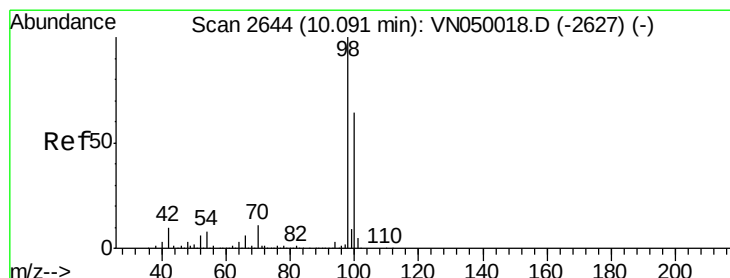
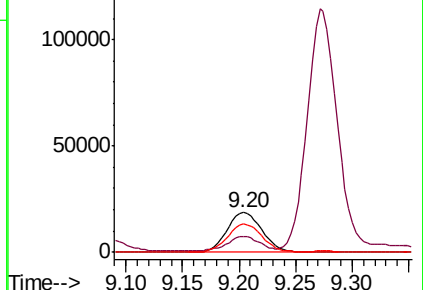
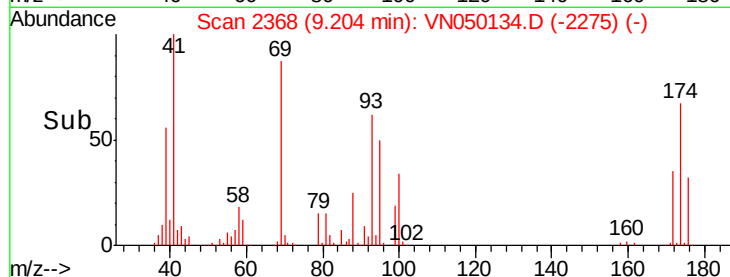
58 69.9 57.3 85.9



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: 48.74 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050134.D

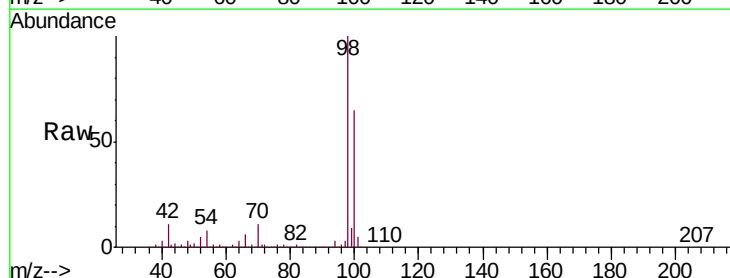
Acq: 27 Jul 2018 17:03

Tgt Ion: 98 Resp: 1505662

Ion Ratio Lower Upper

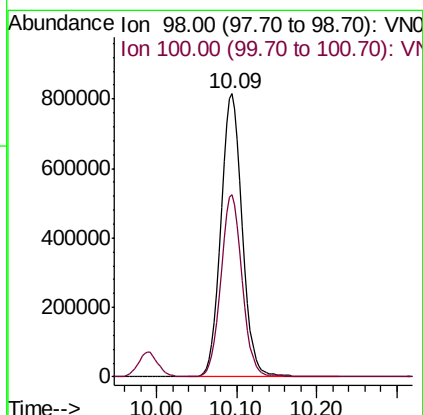
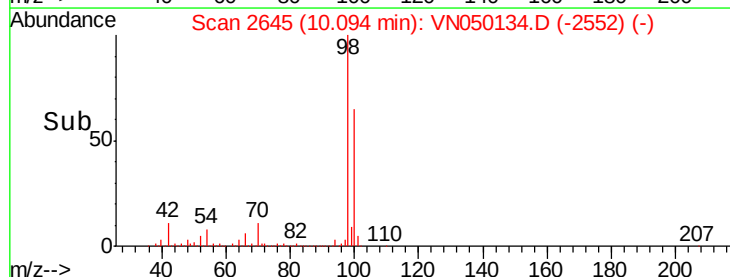
98 100

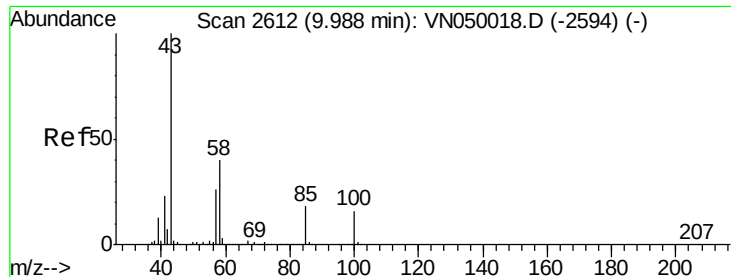
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

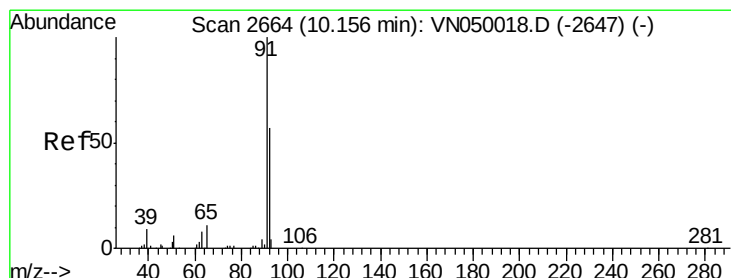
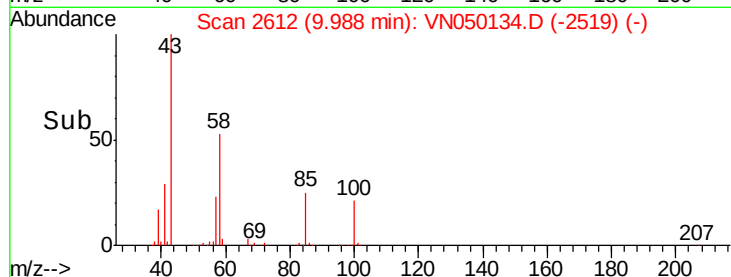
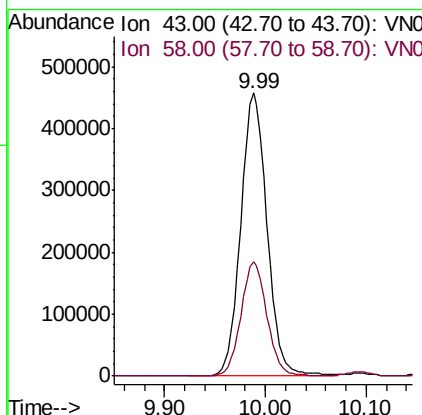
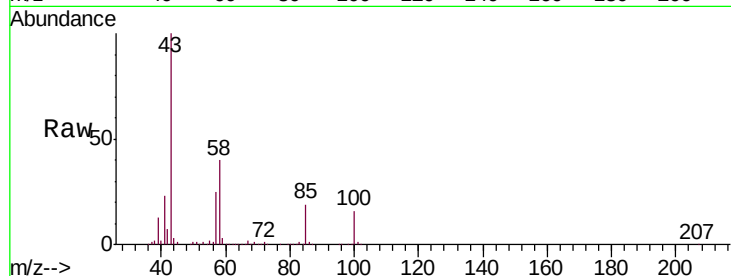




#51
 4-Methyl-2-Pentanone
 Concen: 103.28 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

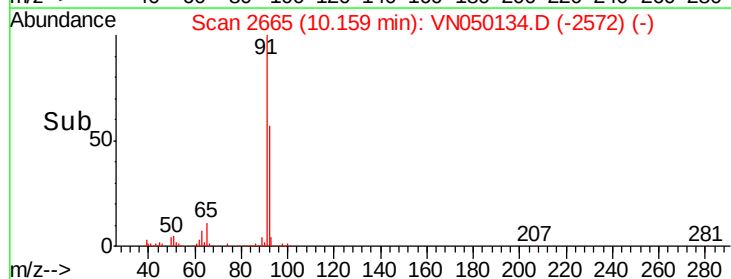
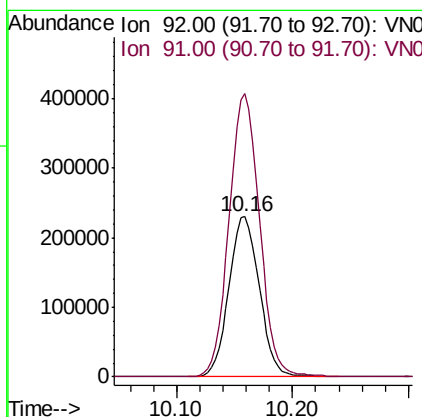
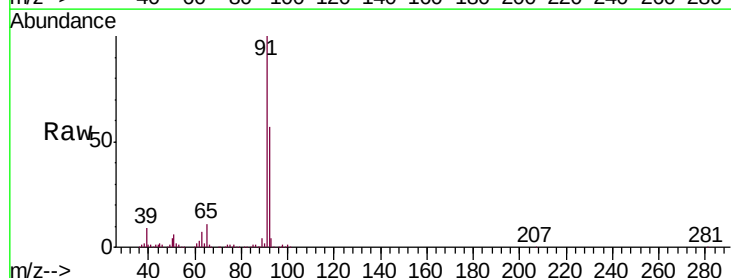
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0727WBSD02

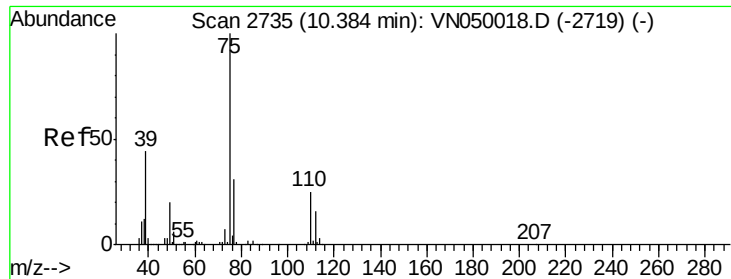
Tot Ion: 43 Resp: 820789
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9



#52
 Toluene
 Concen: 20.24 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion: 92 Resp: 421514
 Ion Ratio Lower Upper
 92 100
 91 176.7 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.89 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

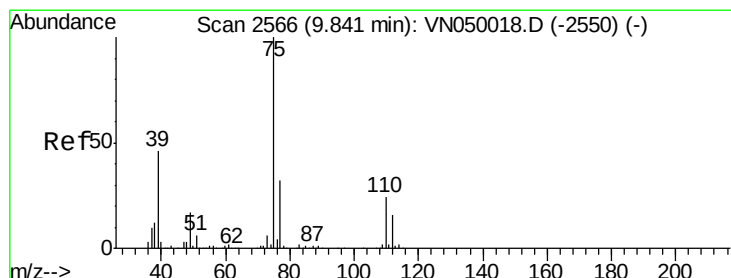
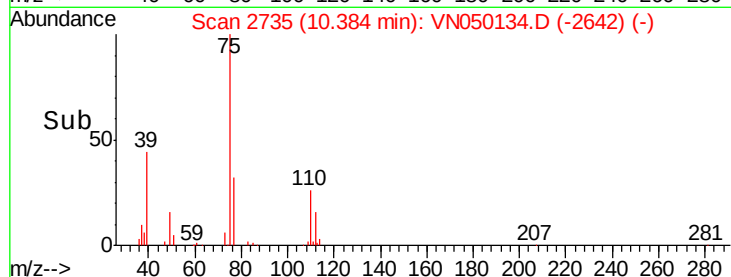
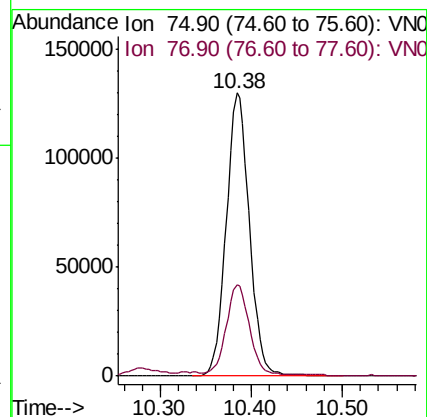
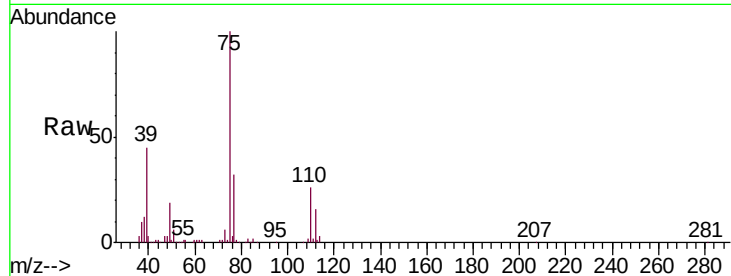
VN0727WBSD02

Tot Ion: 75 Resp: 229911

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.68 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

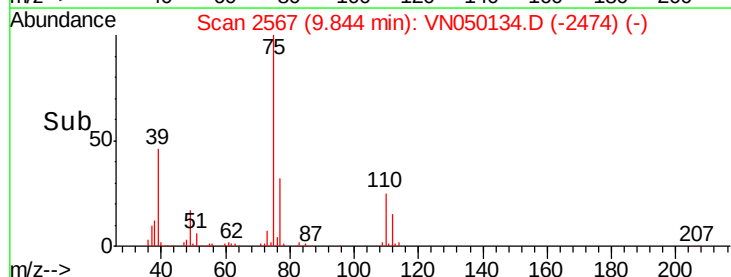
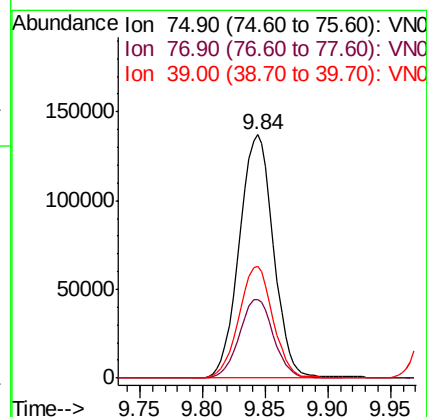
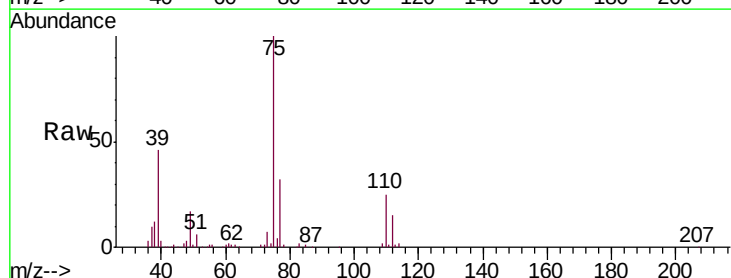
Tgt Ion: 75 Resp: 259982

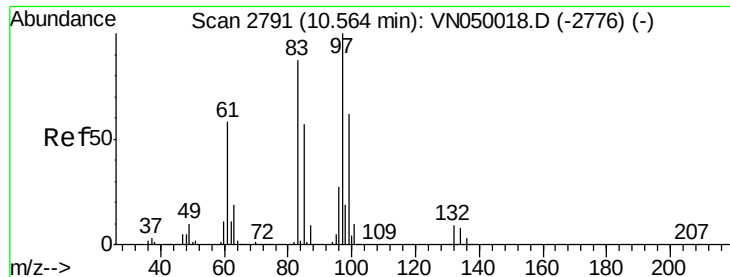
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 46.0 36.6 55.0

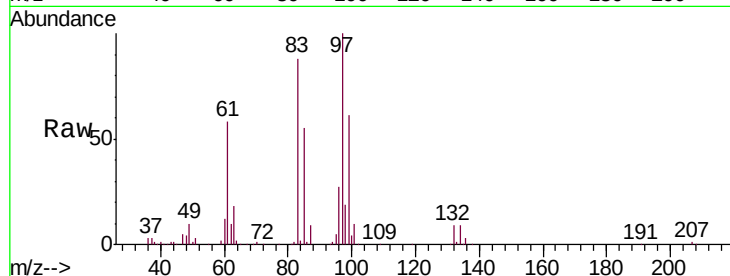




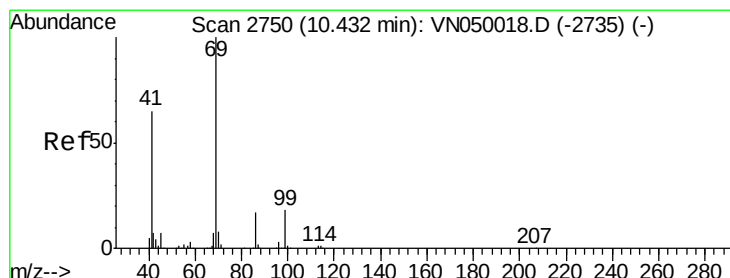
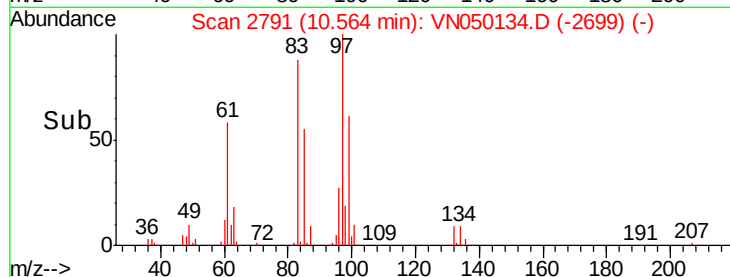
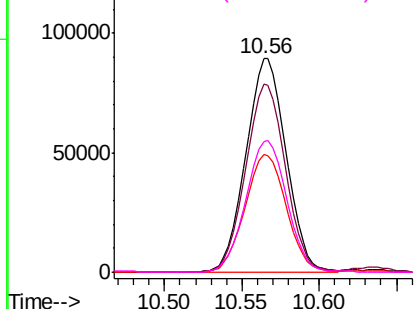
#55
 1,1,2-Trichloroethane
 Concen: 19.65 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0727WBSD02

Tot Ion:	97	Resp:	162296
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.2	103.8
85	55.2	44.0	66.0
99	61.4	49.9	74.9

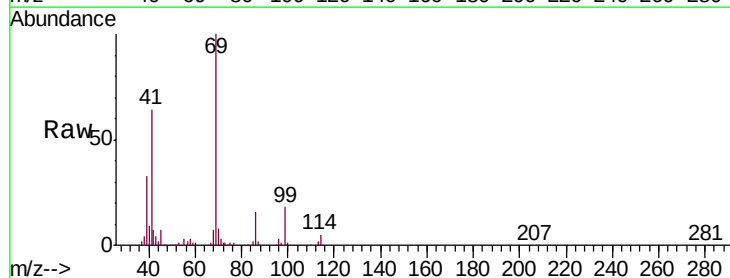


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

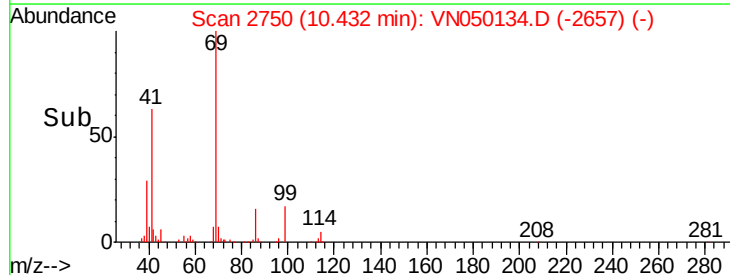
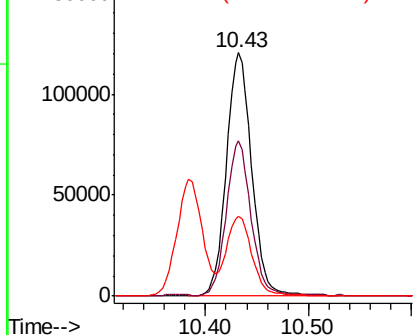


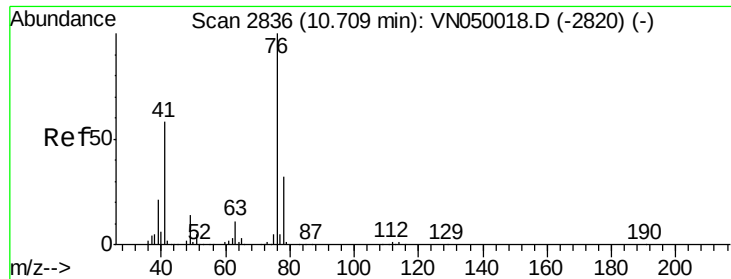
#56
 Ethyl methacrylate
 Concen: 19.78 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion:	69	Resp:	207036
Ion	Ratio	Lower	Upper
69	100		
41	61.3	51.0	76.4
39	33.0	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 20.04 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

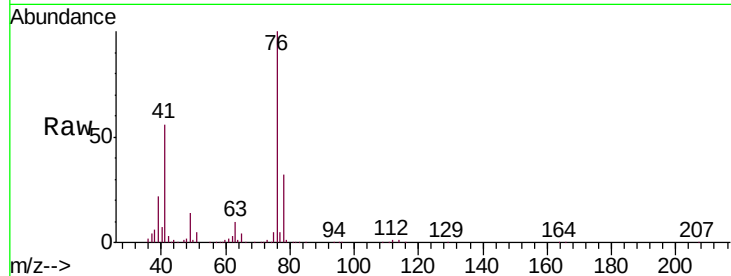
VN0727WBSD02

Tot Ion: 76 Resp: 269538

Ion Ratio Lower Upper

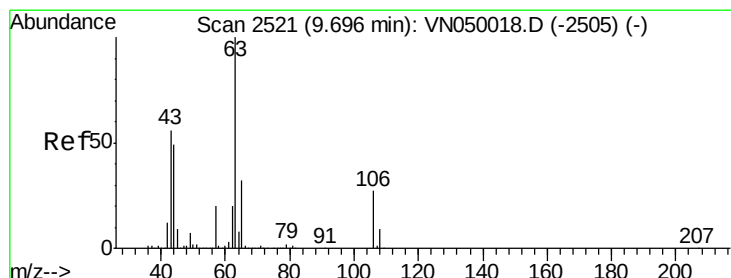
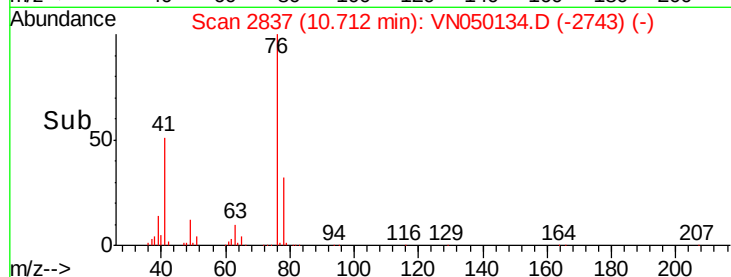
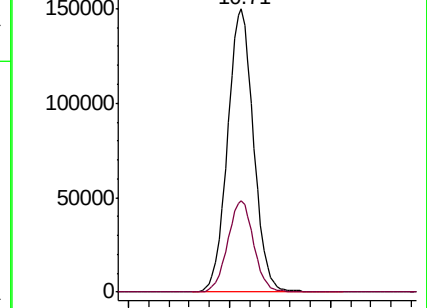
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.35 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050134.D

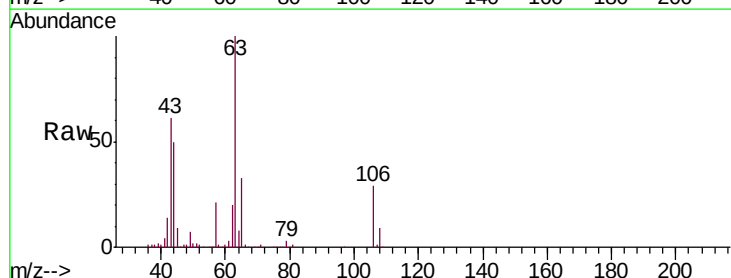
Acq: 27 Jul 2018 17:03

Tgt Ion: 63 Resp: 437462

Ion Ratio Lower Upper

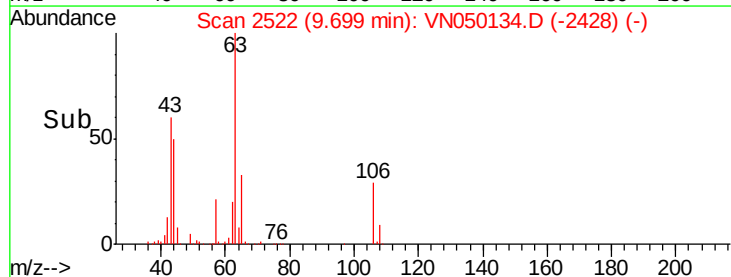
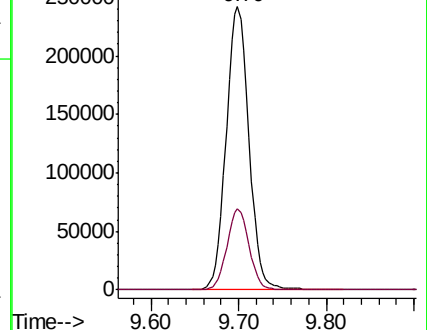
63 100

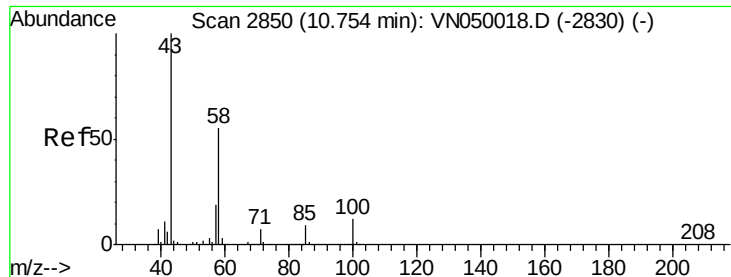
106 27.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

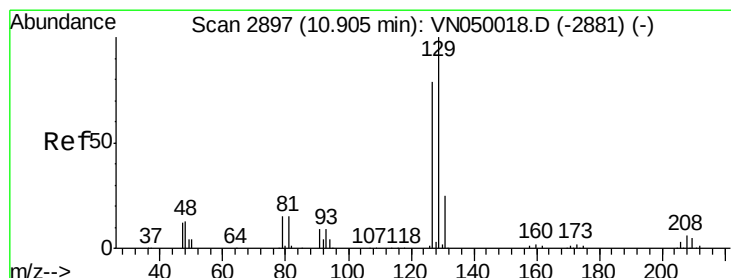
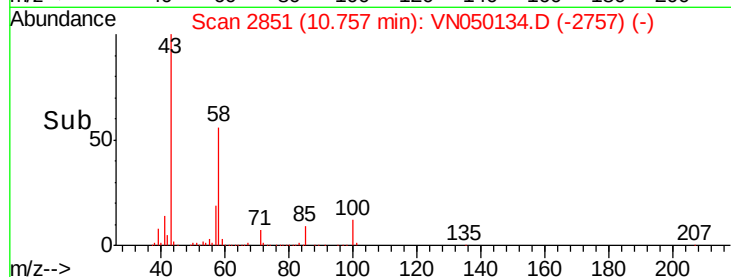
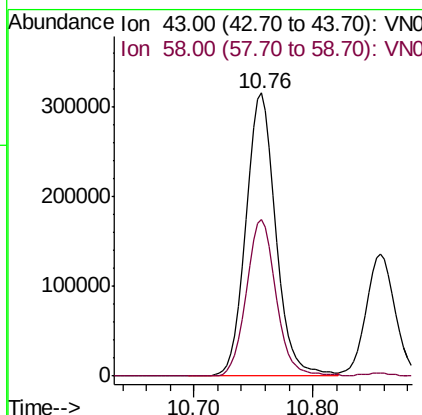
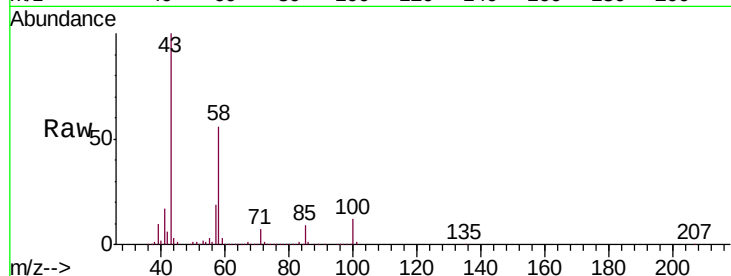




#59
2-Hexanone
Concen: 96.52 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

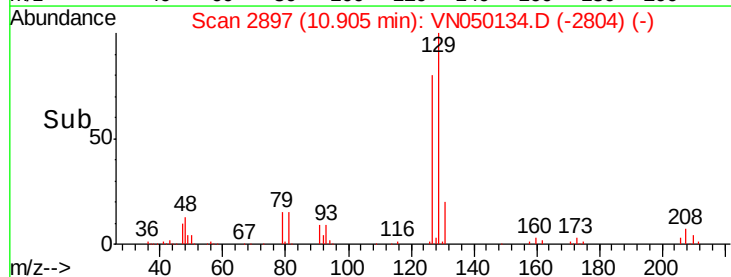
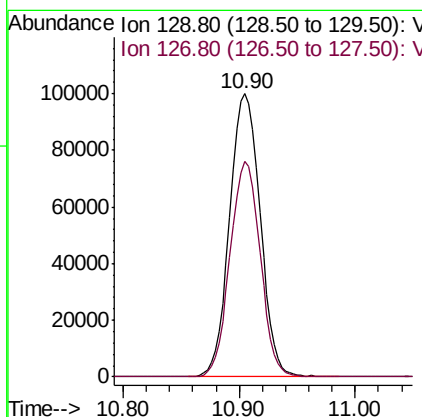
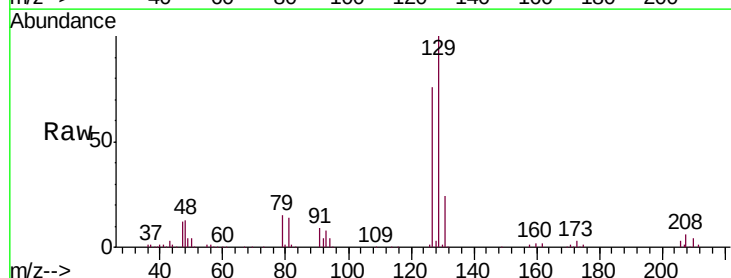
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

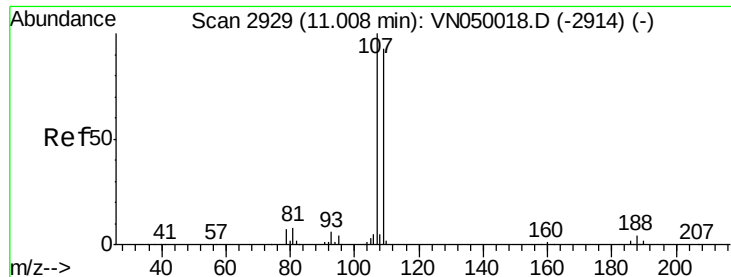
Tot Ion: 43 Resp: 544681
Ion Ratio Lower Upper
43 100
58 55.4 27.6 82.7



#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 129 Resp: 183258
Ion Ratio Lower Upper
129 100
127 75.0 38.0 113.9

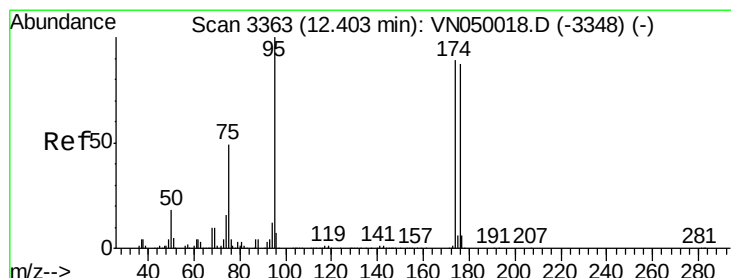
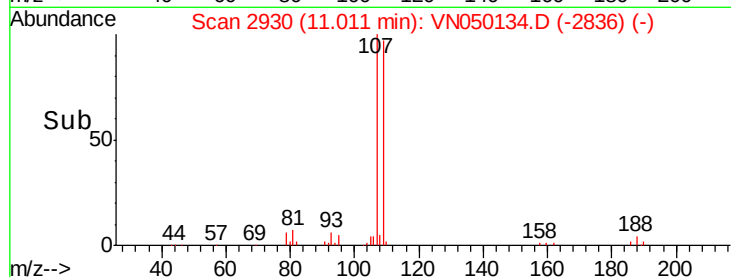
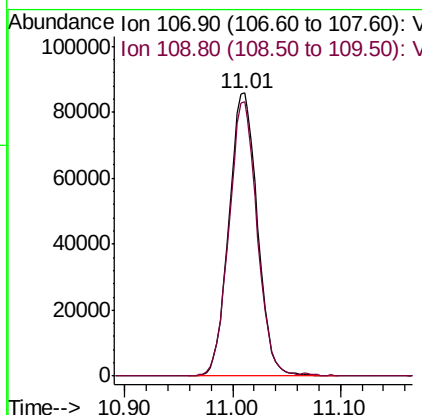
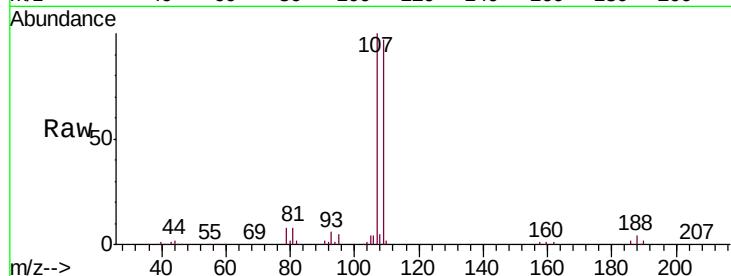




#61
 1,2-Dibromoethane
 Concen: 19.31 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

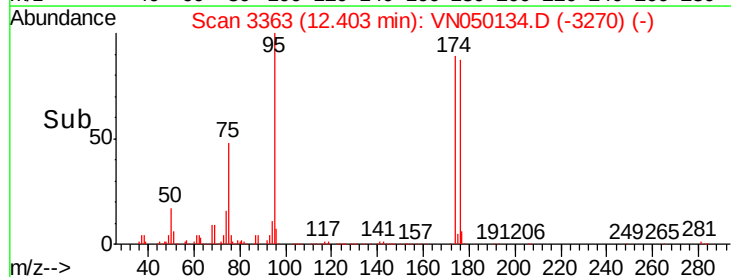
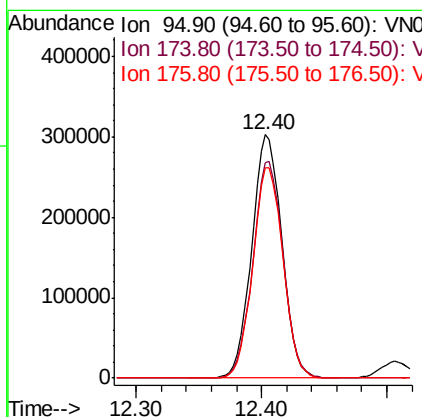
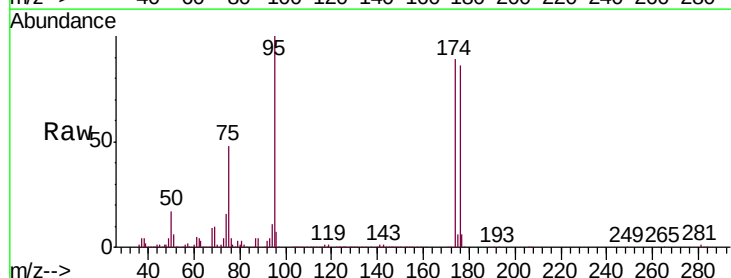
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

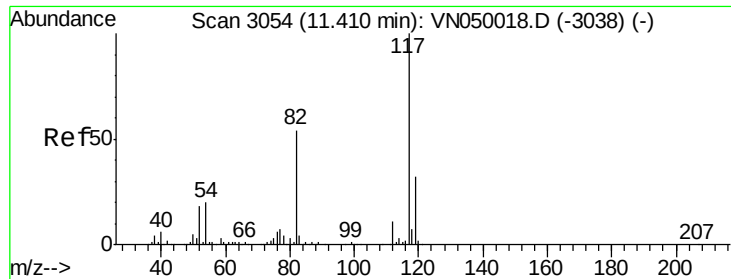
Tot Ion:107 Resp: 158287
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.56 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion: 95 Resp: 504087
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 178.2
 176 87.2 0.0 173.4

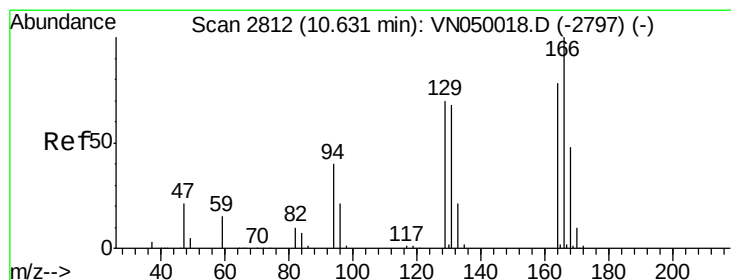
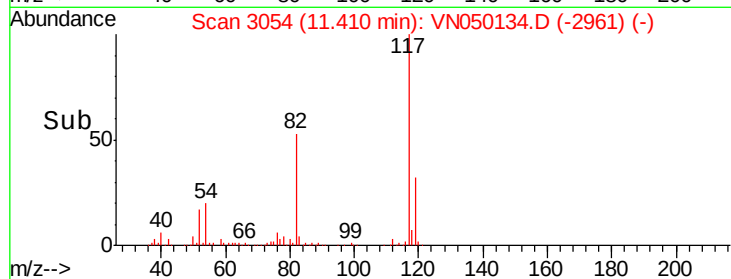
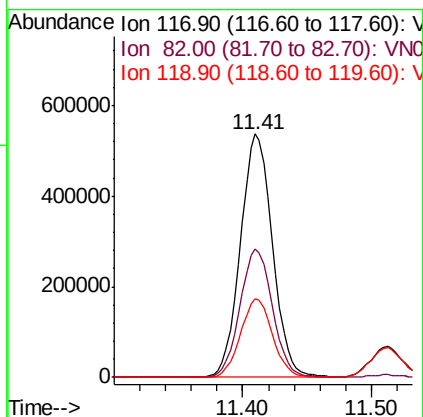
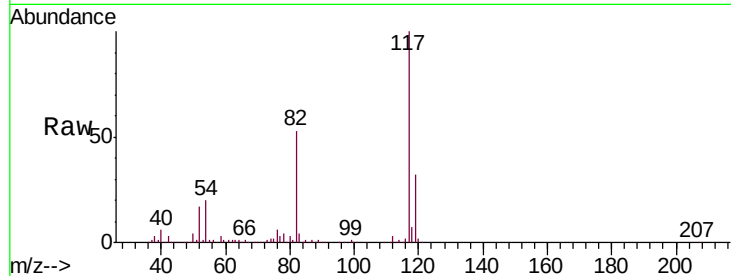




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

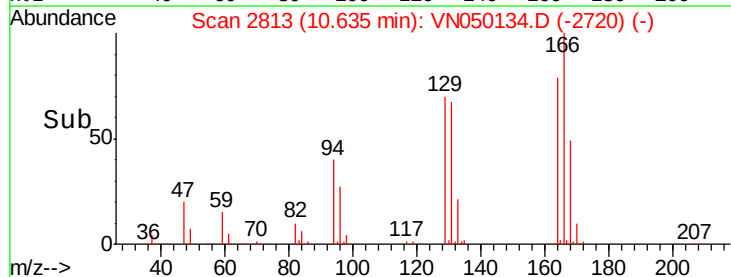
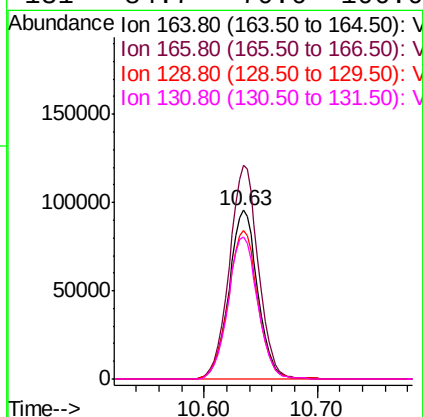
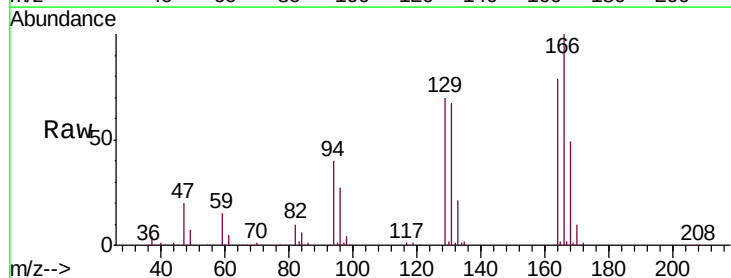
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

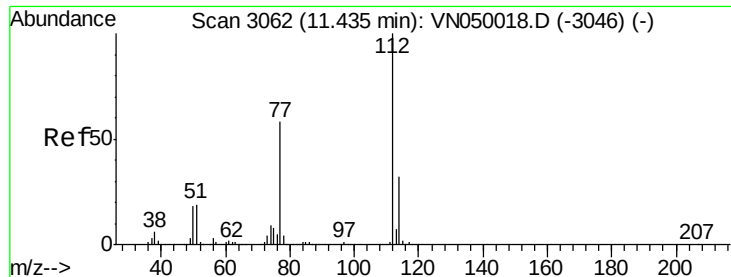
Tot Ion:117 Resp: 929020
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 32.1 26.1 39.1



#64
Tetrachloroethene
Concen: 18.83 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion:164 Resp: 168178
Ion Ratio Lower Upper
164 100
166 126.8 102.1 153.1
129 88.5 73.2 109.8
131 84.7 70.6 106.0





#65

Chlorobenzene

Concen: 19.38 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

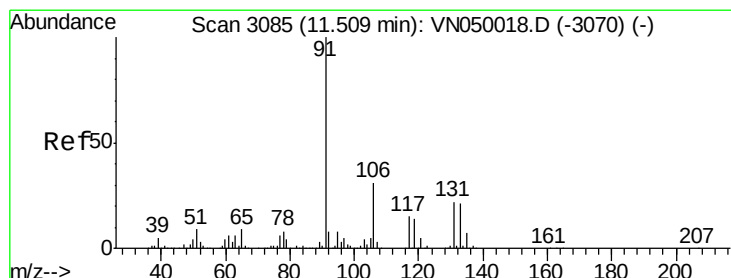
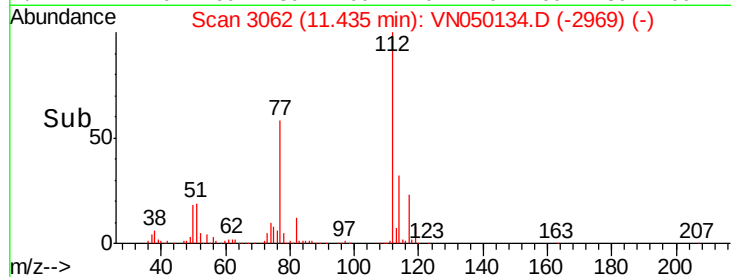
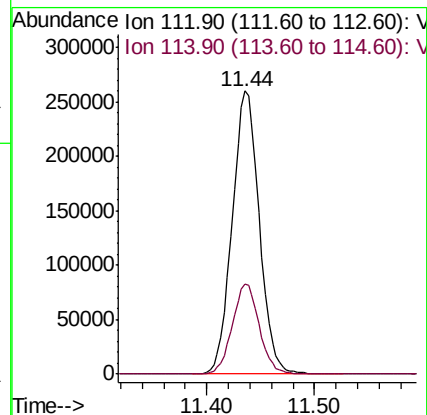
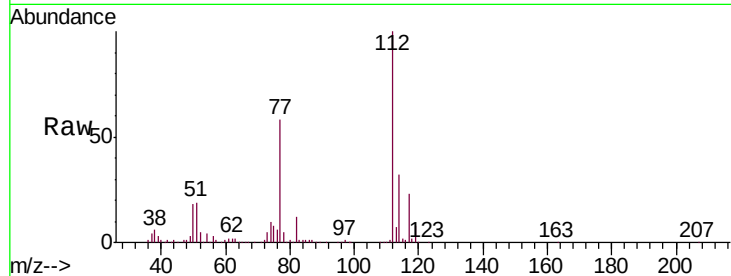
VN0727WBSD02

Tot Ion:112 Resp: 454746

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

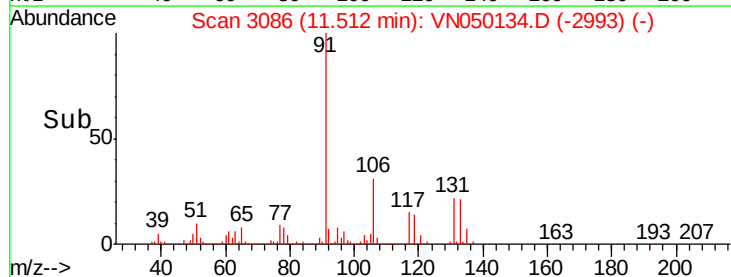
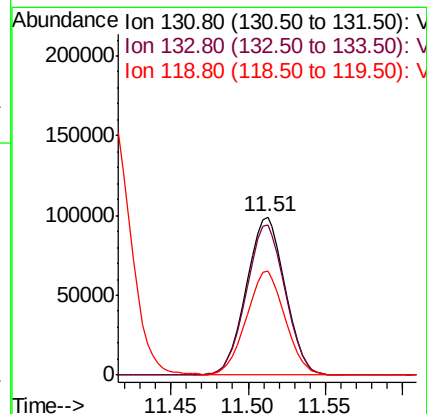
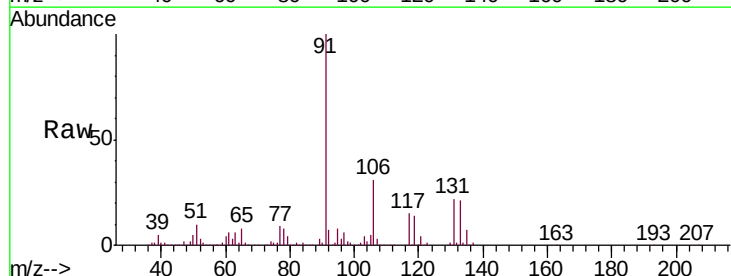
Tgt Ion:131 Resp: 172814

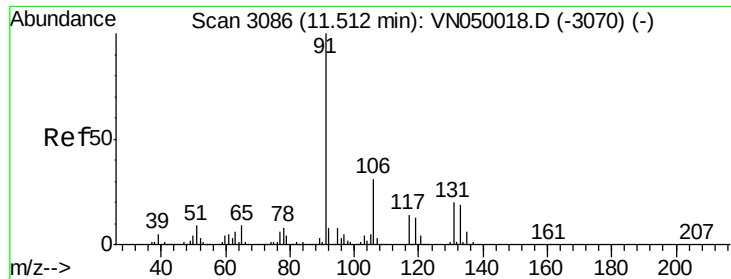
Ion Ratio Lower Upper

131 100

133 95.7 47.3 141.9

119 65.1 32.9 98.7

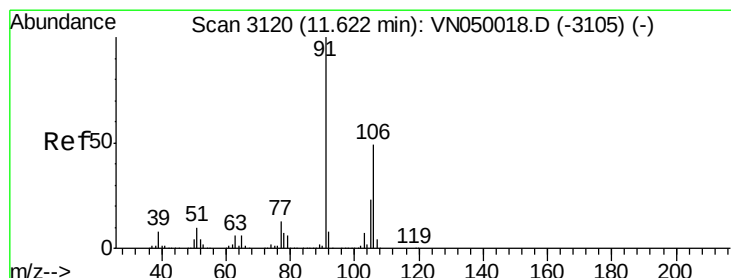
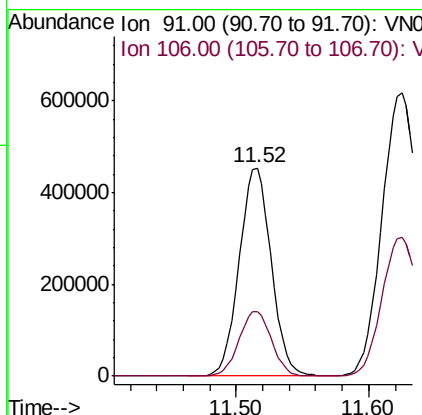
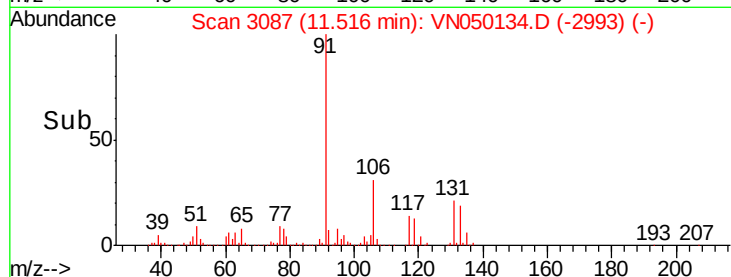
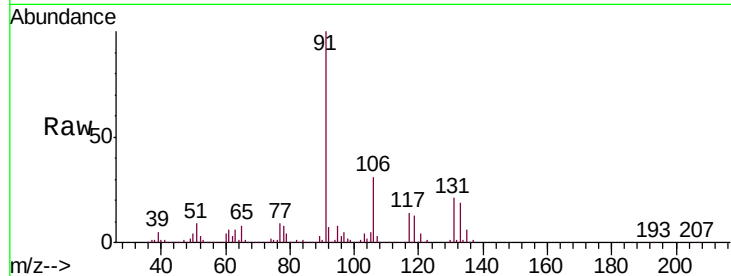




#67
Ethyl Benzene
Concen: 20.22 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

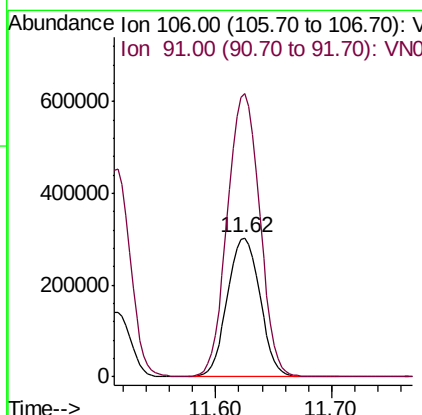
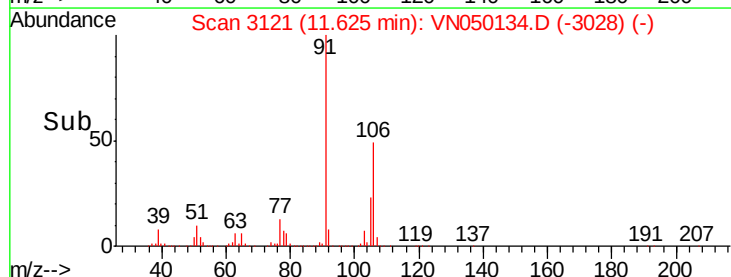
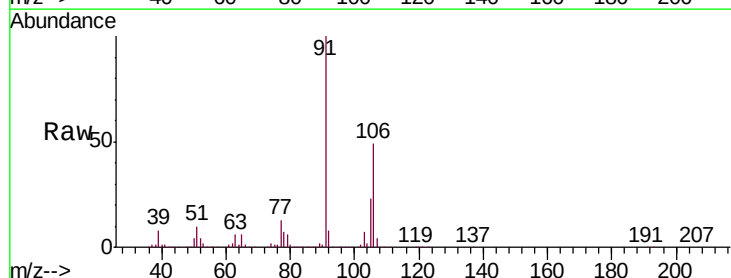
Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD02

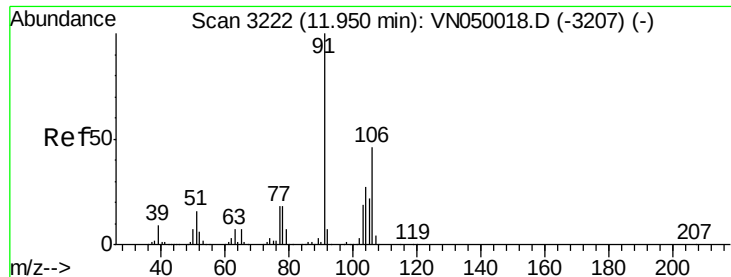
Tot Ion: 91 Resp: 762201
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 41.52 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 106 Resp: 591939
Ion Ratio Lower Upper
106 100
91 202.2 162.2 243.2

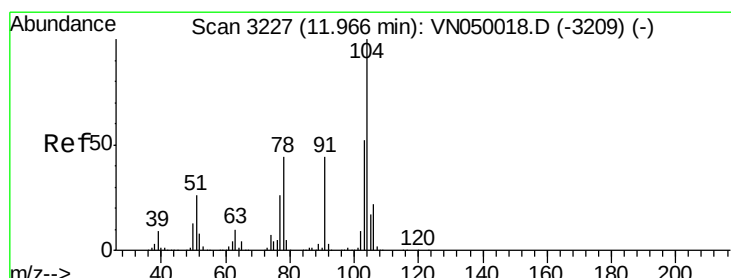
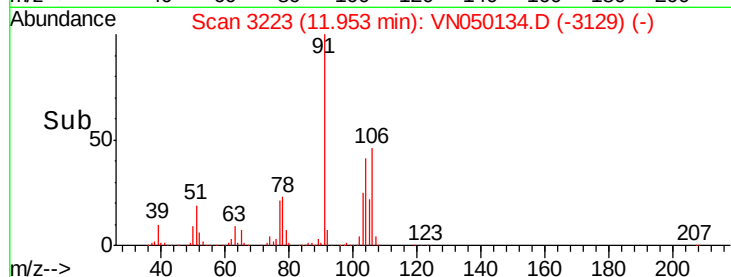
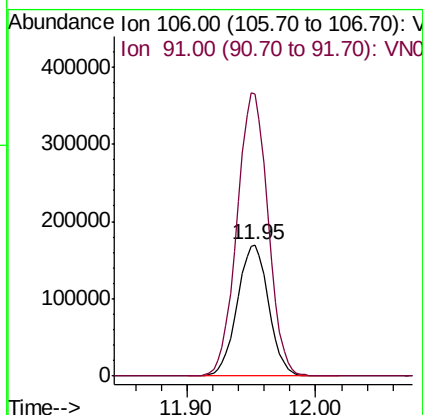
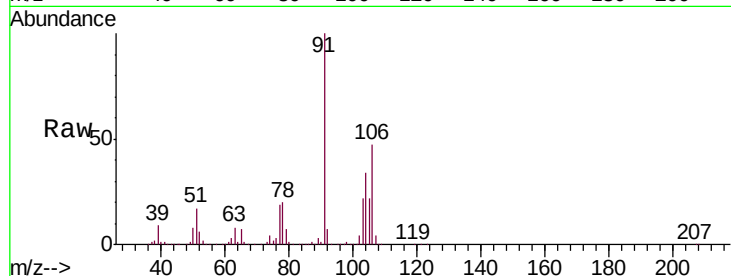




#69
o-Xylene
Concen: 21.06 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

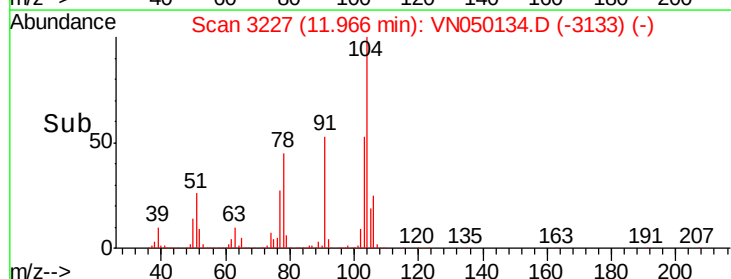
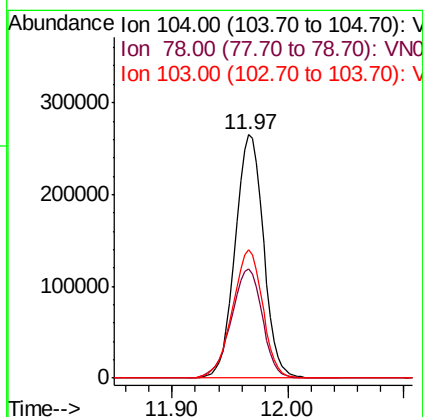
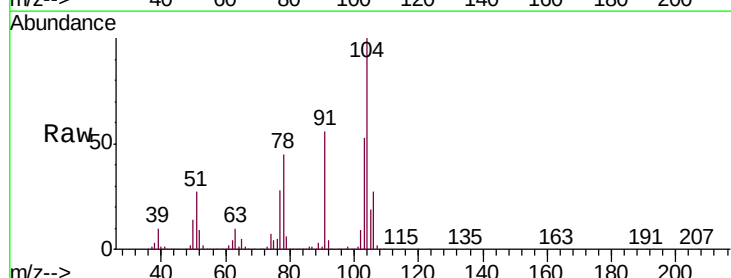
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

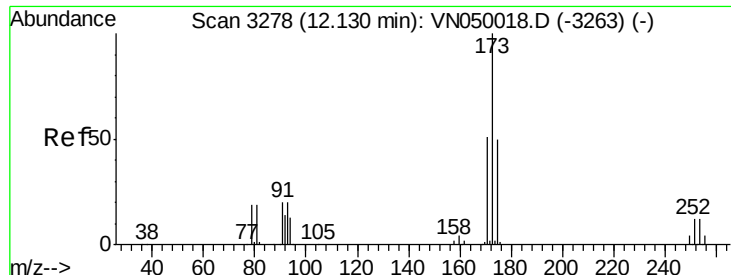
Tot Ion:106 Resp: 286264
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1



#70
Styrene
Concen: 19.15 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion:104 Resp: 448972
Ion Ratio Lower Upper
104 100
78 49.4 39.3 58.9
103 56.4 45.0 67.6





#71

Bromoform

Concen: 19.60 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

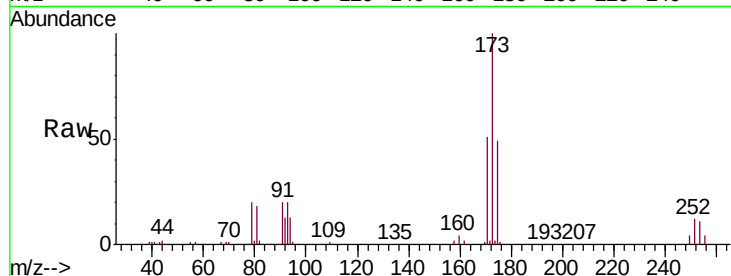
Tot Ion:173 Resp: 128552

Ion Ratio Lower Upper

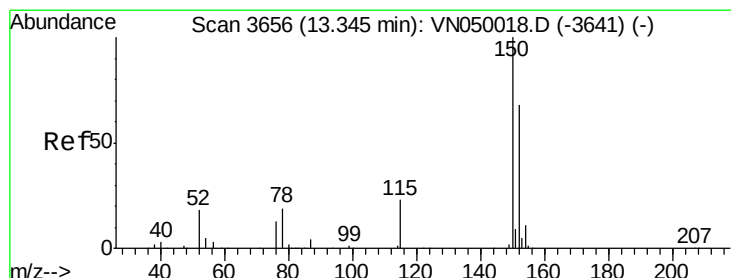
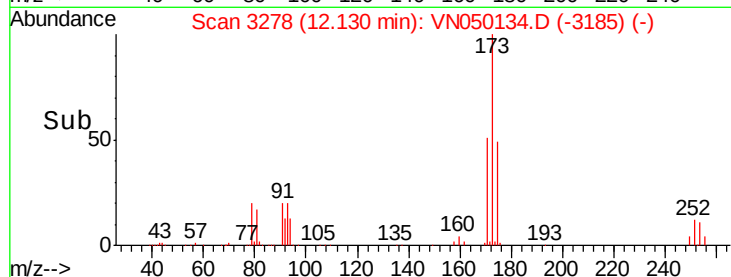
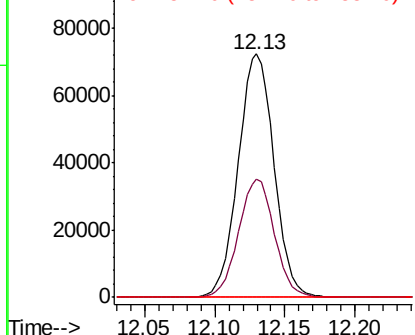
173 100

175 48.4 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# 3657

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

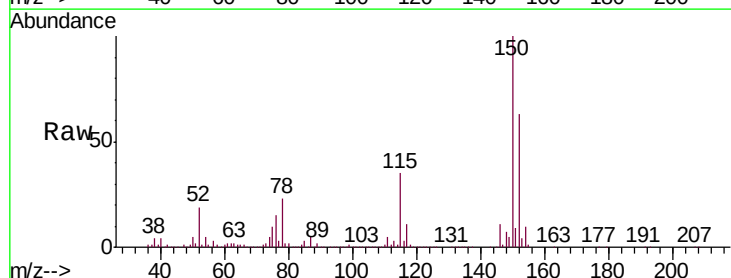
Tgt Ion:152 Resp: 463802

Ion Ratio Lower Upper

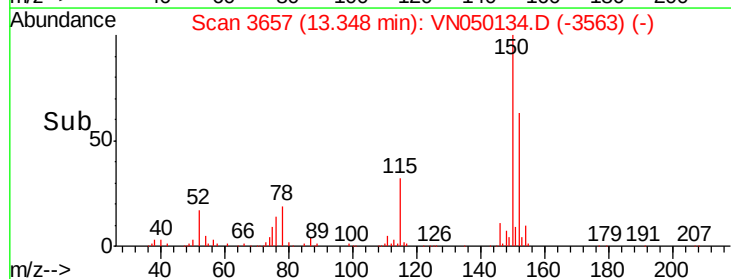
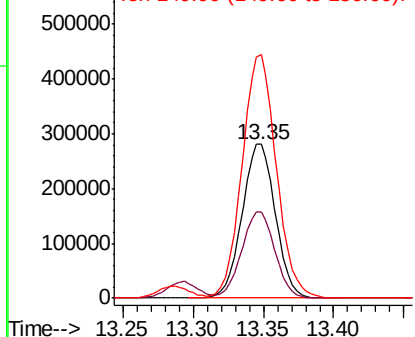
152 100

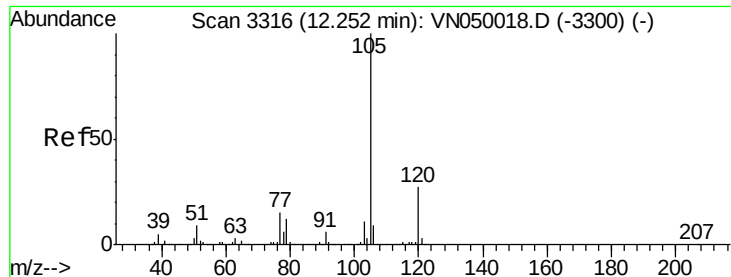
115 55.5 27.8 83.3

150 162.8 0.0 348.6



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





#73

Isopropylbenzene

Concen: 21.28 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampled :

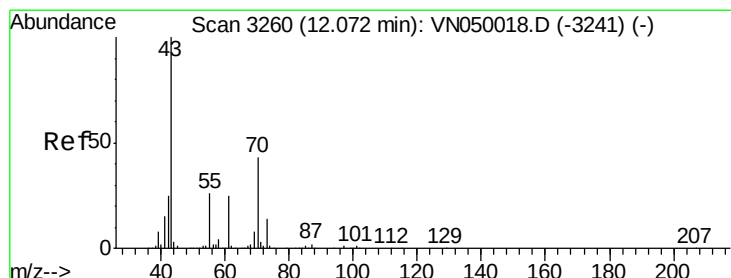
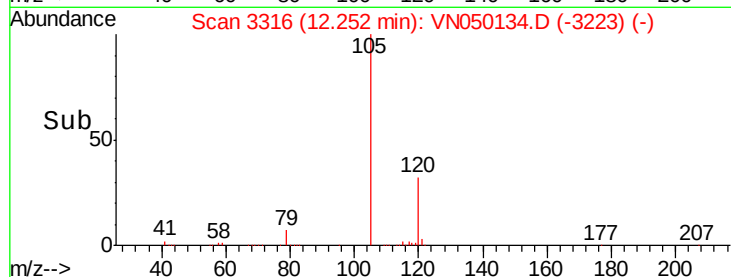
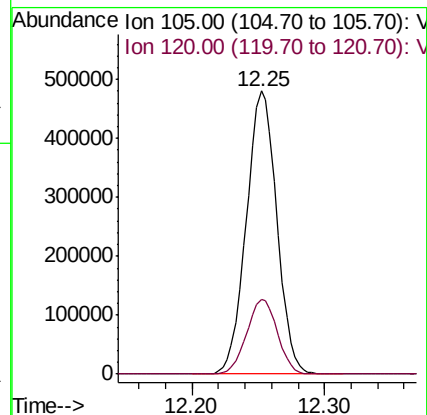
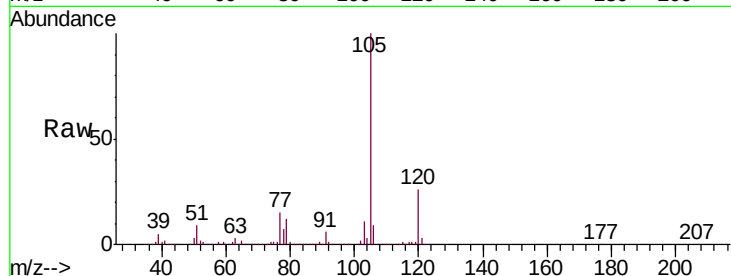
VN0727WBSD02

Tot Ion:105 Resp: 765342

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Tgt Ion: 43 Resp: 224175

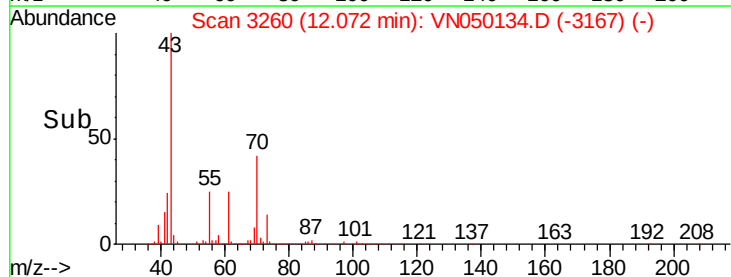
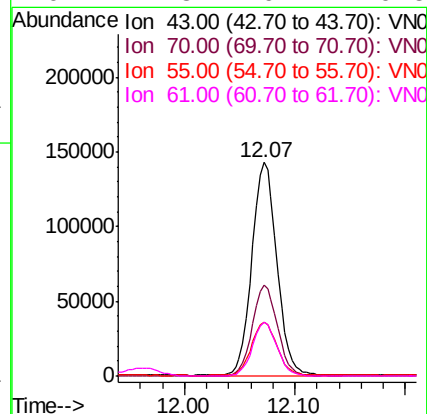
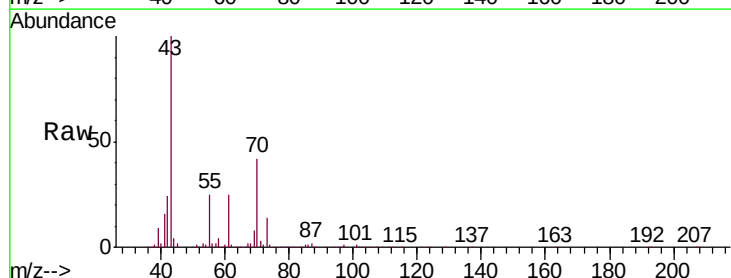
Ion Ratio Lower Upper

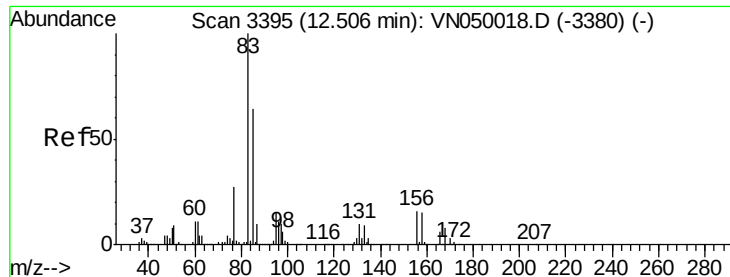
43 100

70 42.6 34.4 51.6

55 26.0 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.28 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampled :

VN0727WBSD02

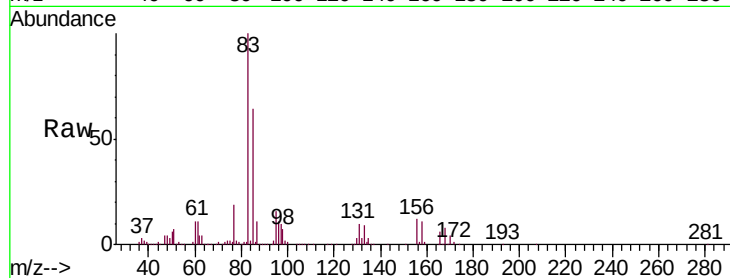
Tot Ion: 83 Resp: 214209

Ion Ratio Lower Upper

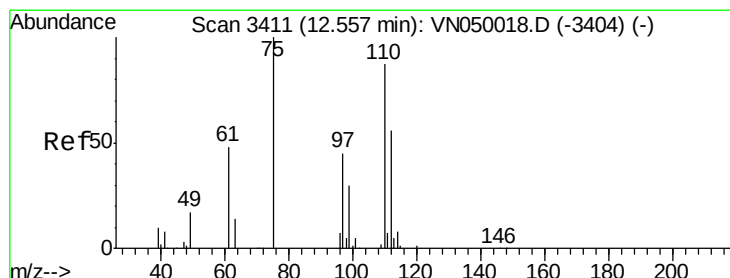
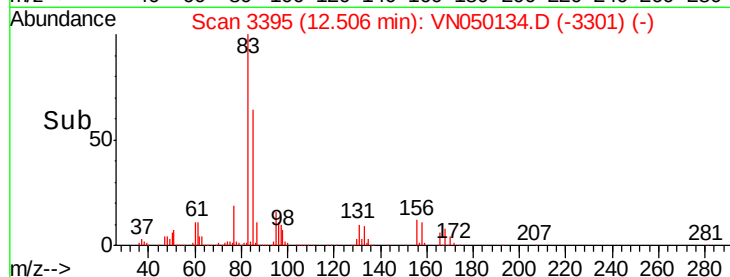
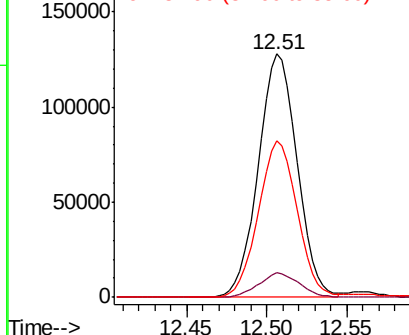
83 100

131 10.5 5.1 15.3

85 64.6 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: 29.09 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050134.D

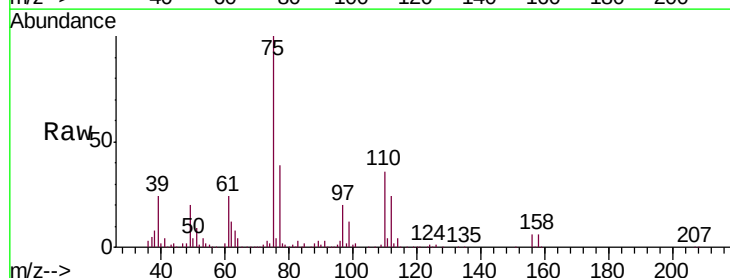
Acq: 27 Jul 2018 17:03

Tgt Ion: 75 Resp: 250735

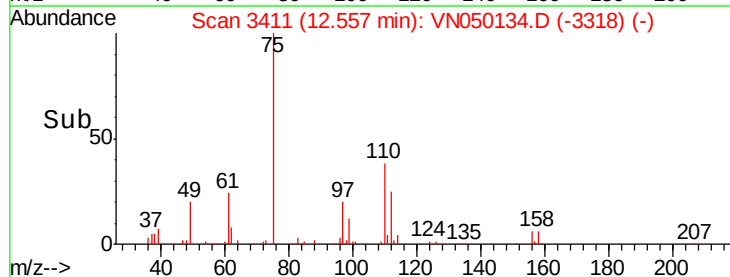
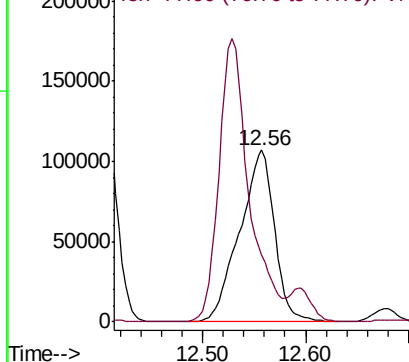
Ion Ratio Lower Upper

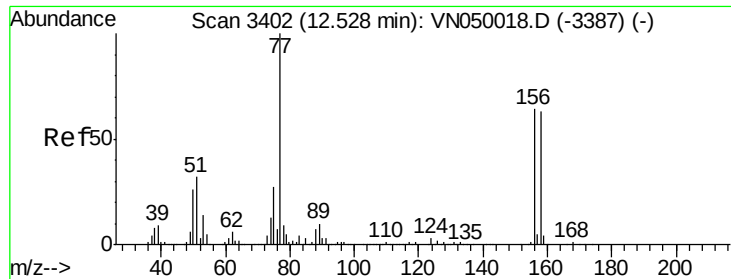
75 100

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: 19.53 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

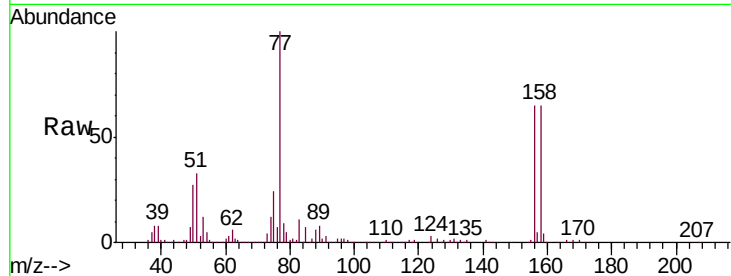
Tot Ion:156 Resp: 194677

Ion Ratio Lower Upper

156 100

77 184.2 91.7 275.1

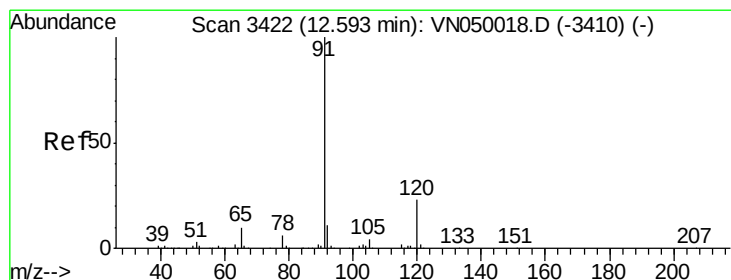
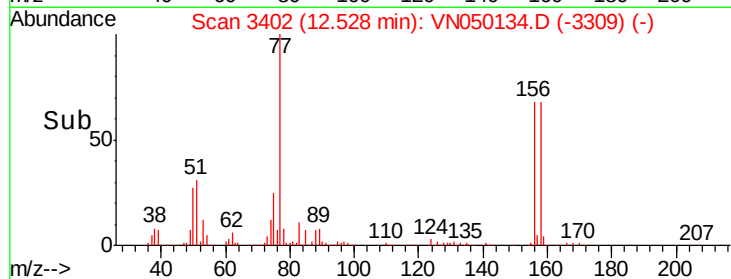
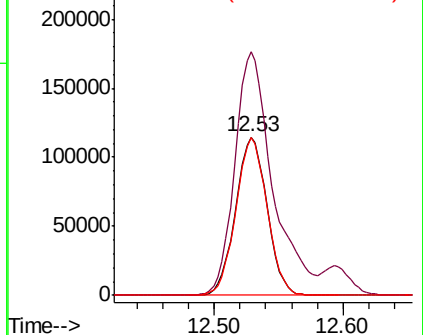
158 98.5 48.9 146.6



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: 21.02 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050134.D

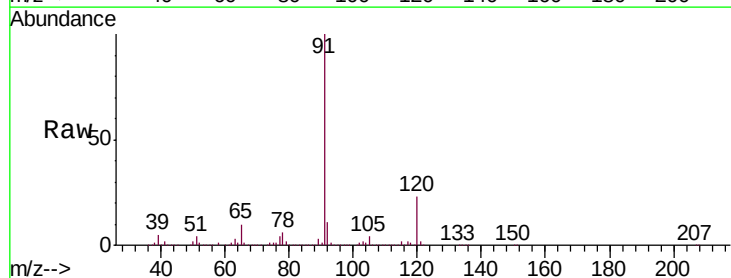
Acq: 27 Jul 2018 17:03

Tgt Ion: 91 Resp: 845103

Ion Ratio Lower Upper

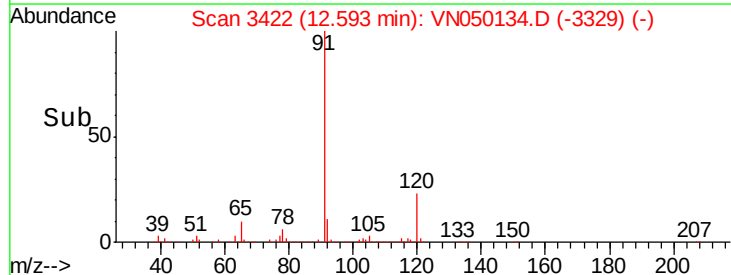
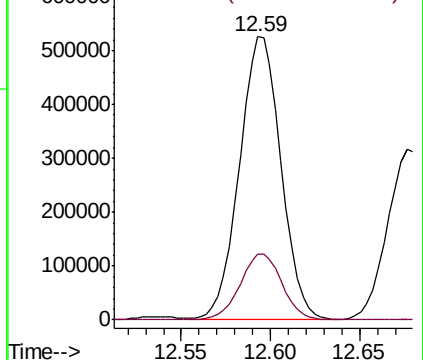
91 100

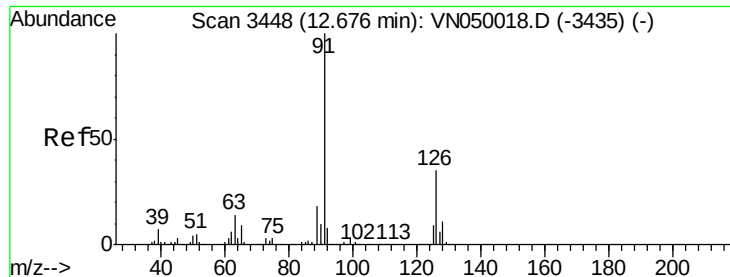
120 23.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

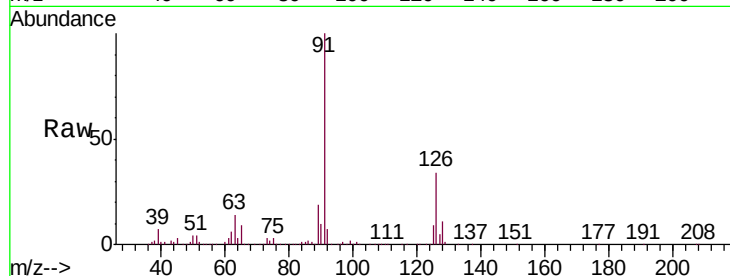
VN0727WBSD02

Tot Ion: 91 Resp: 523099

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)

400000

300000

200000

100000

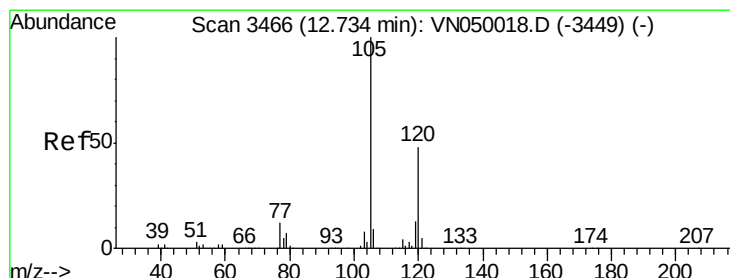
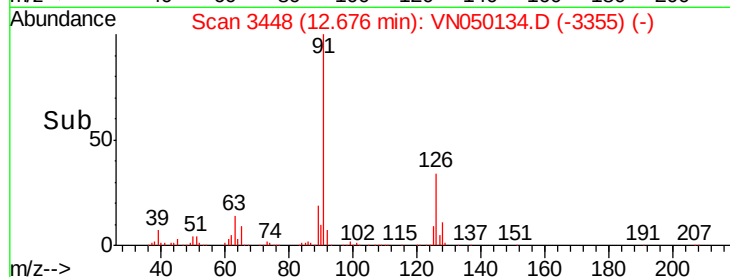
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.93 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050134.D

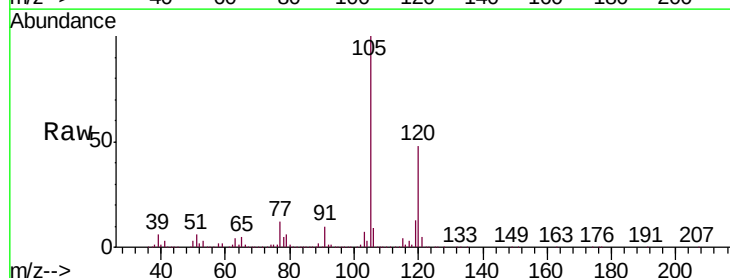
Acq: 27 Jul 2018 17:03

Tgt Ion: 105 Resp: 620620

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

400000

300000

200000

100000

0

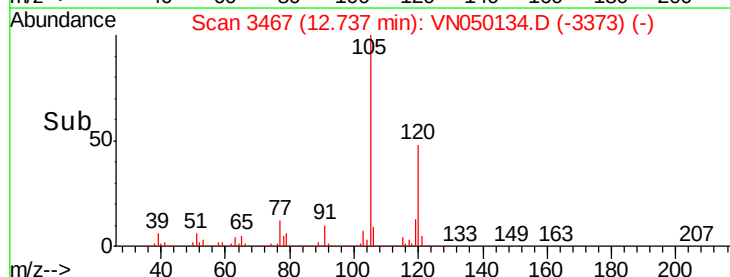
12.65

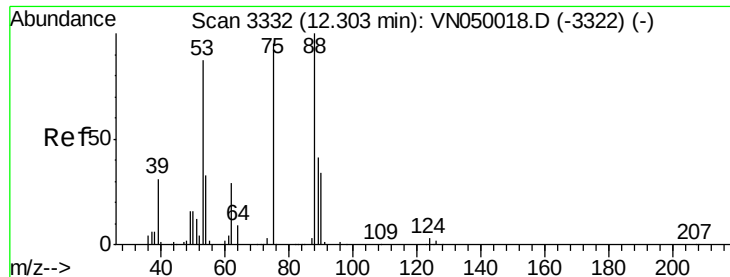
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.44 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD02

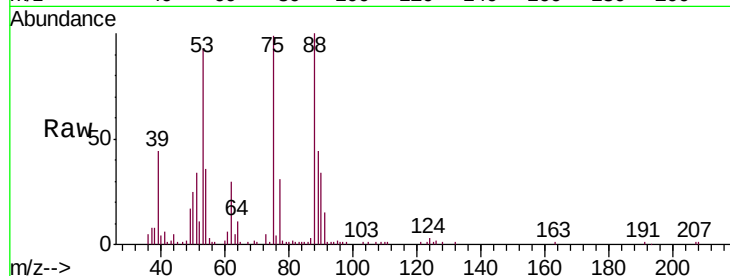
Tot Ion: 75 Resp: 52837

Ion Ratio Lower Upper

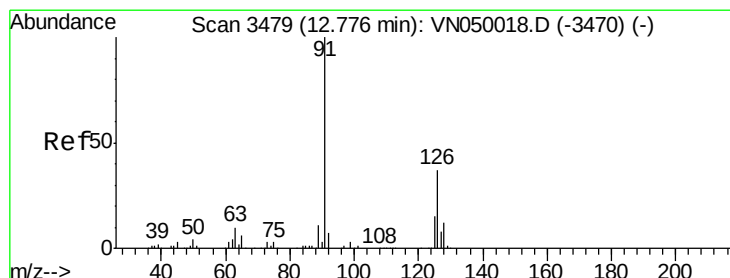
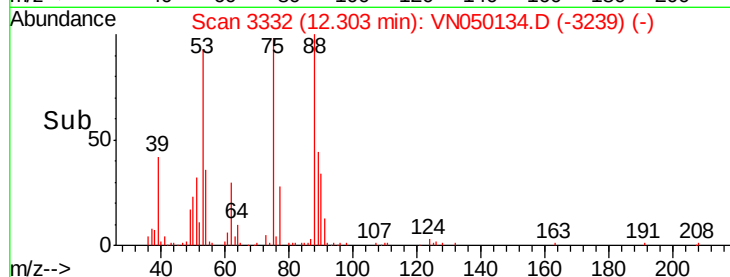
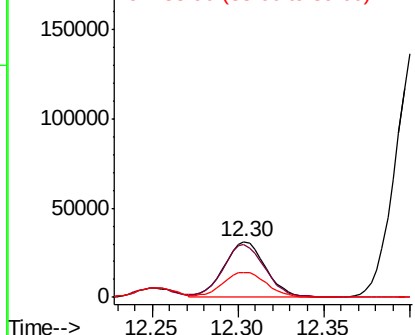
75 100

53 93.5 73.5 110.3

89 46.8 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: 20.62 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050134.D

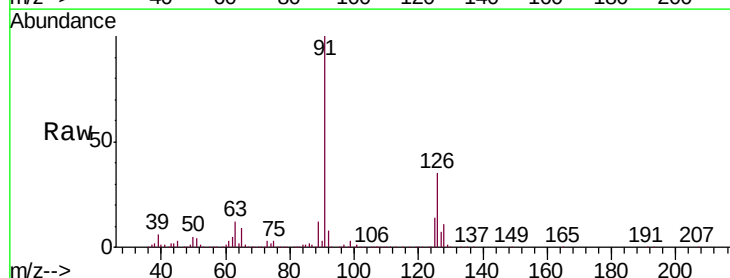
Acq: 27 Jul 2018 17:03

Tgt Ion: 91 Resp: 508880

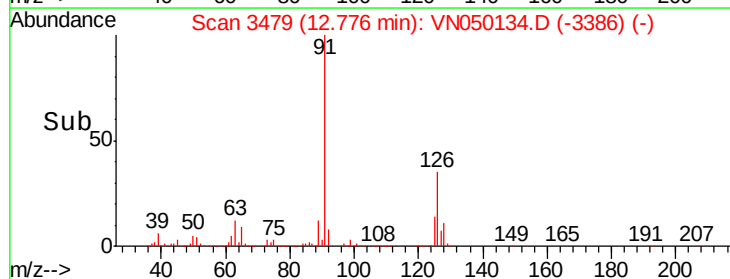
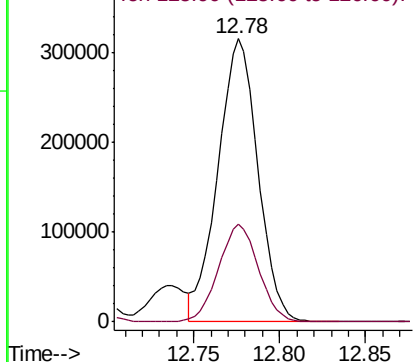
Ion Ratio Lower Upper

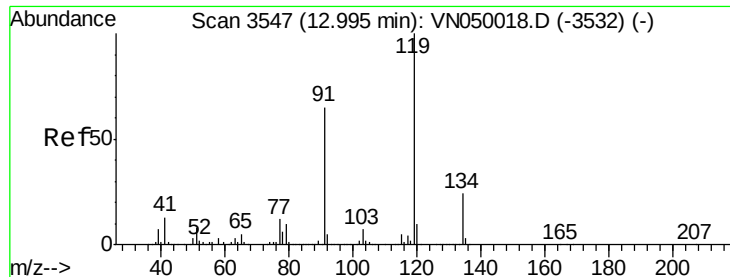
91 100

126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

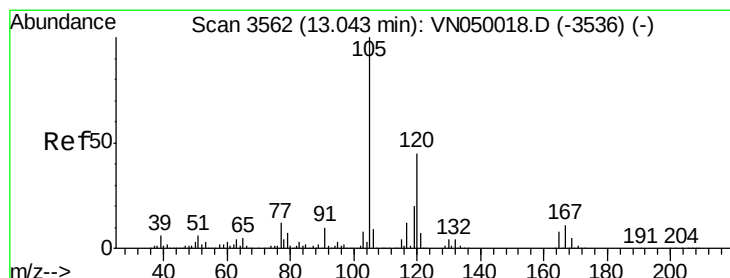
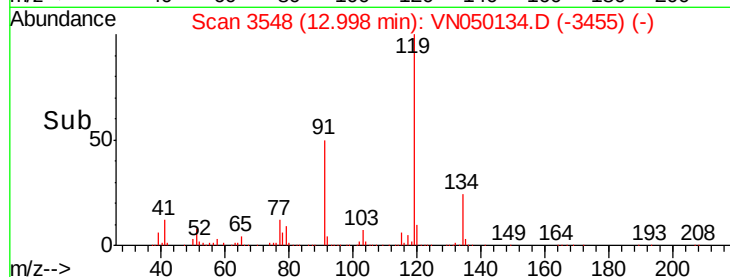
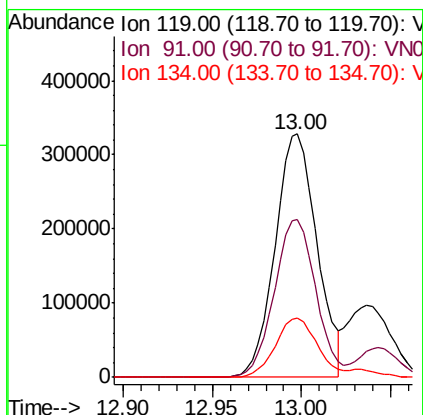
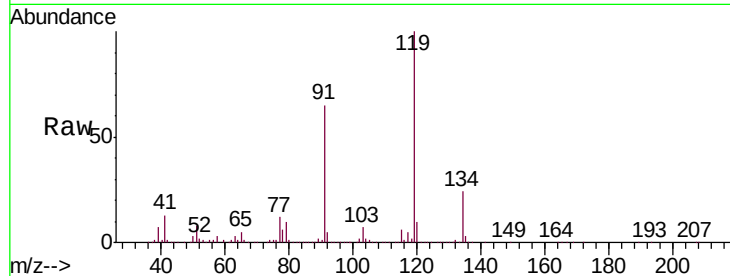




#83
 tert-Butylbenzene
 Concen: 21.82 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

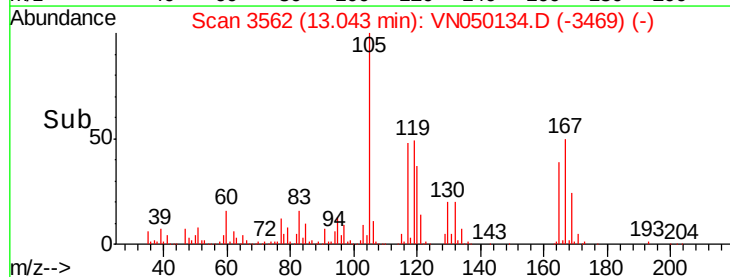
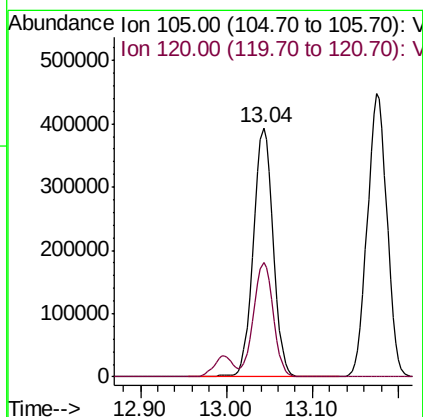
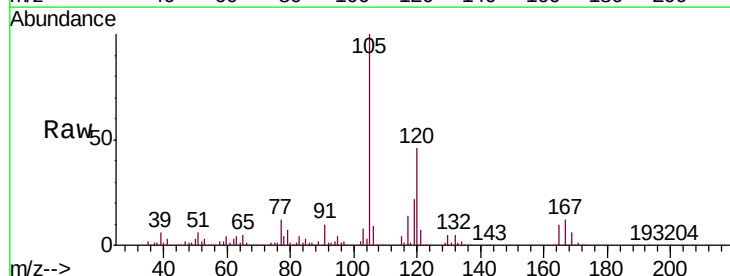
Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBSD02

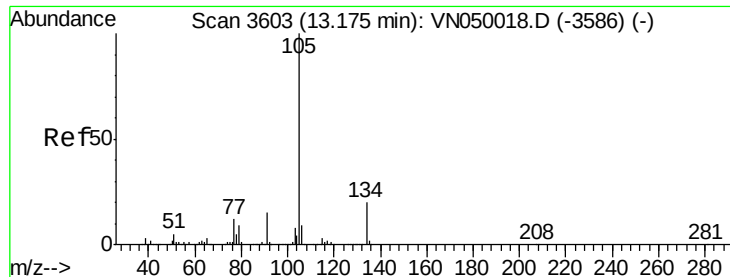
Tot Ion:119 Resp: 538689
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.1 96.3
 134 24.6 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.06 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion:105 Resp: 629155
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.69 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

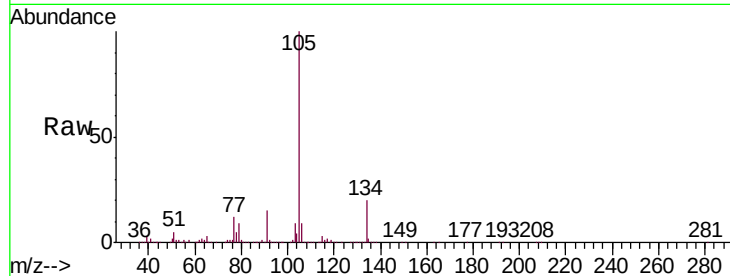
VN0727WBSD02

Tot Ion:105 Resp: 71529

Ion Ratio Lower Upper

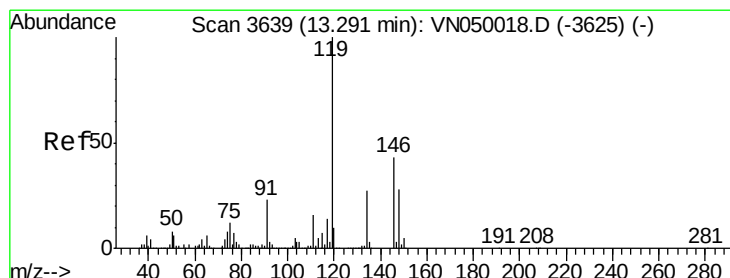
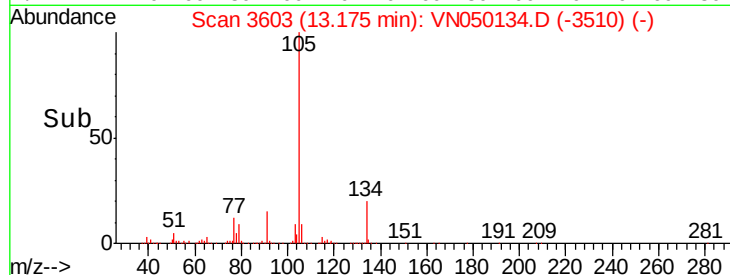
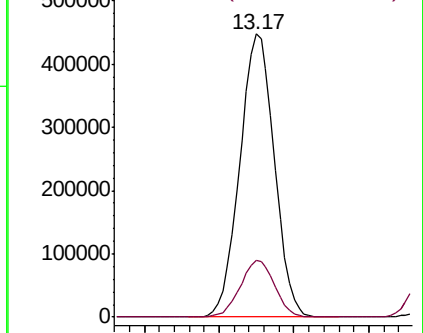
105 100

134 20.0 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: 21.90 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050134.D

Acq: 27 Jul 2018 17:03

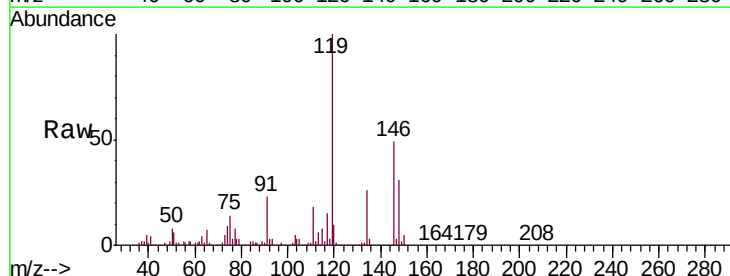
Tgt Ion:119 Resp: 608947

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

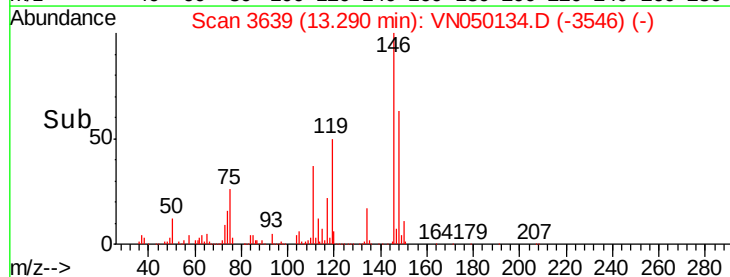
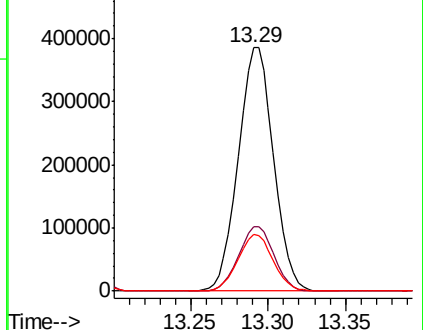
91 22.9 11.4 34.2

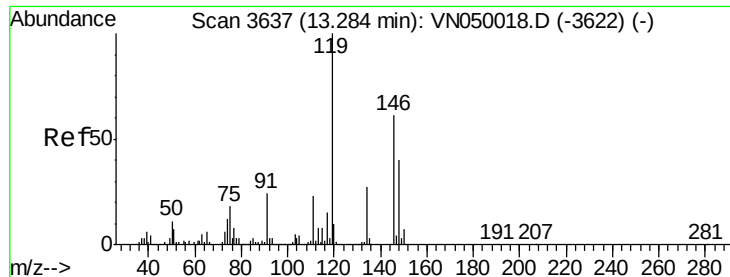


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

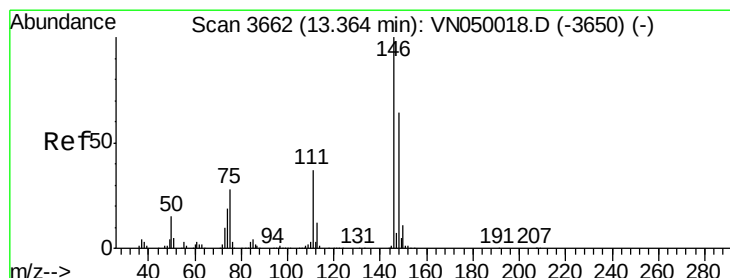
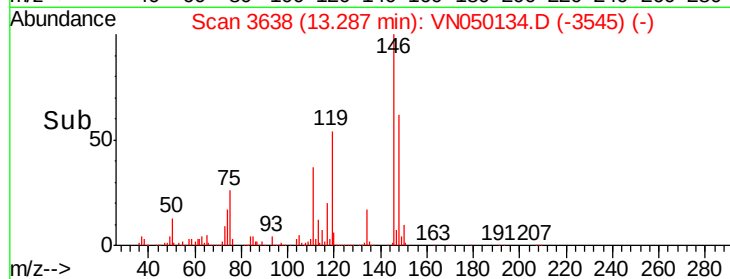
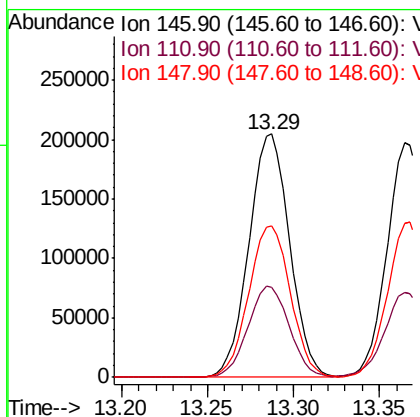
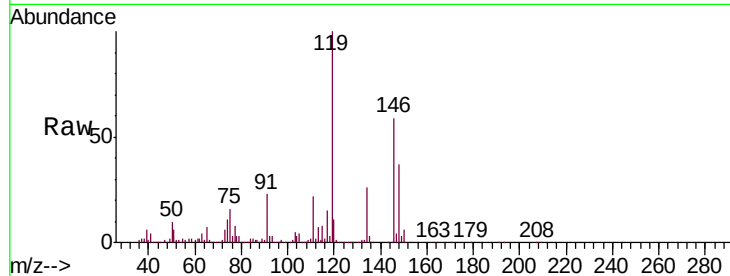




#87
 1,3-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

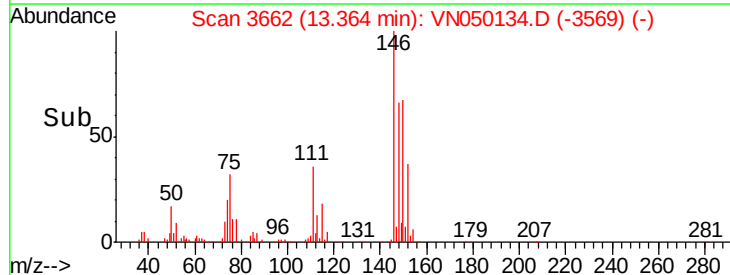
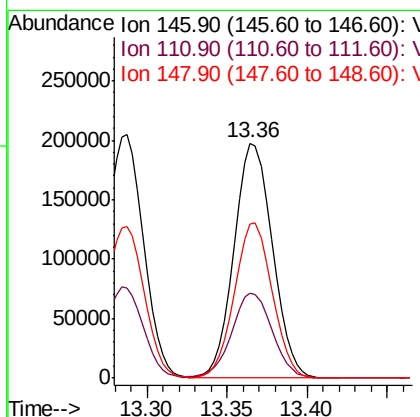
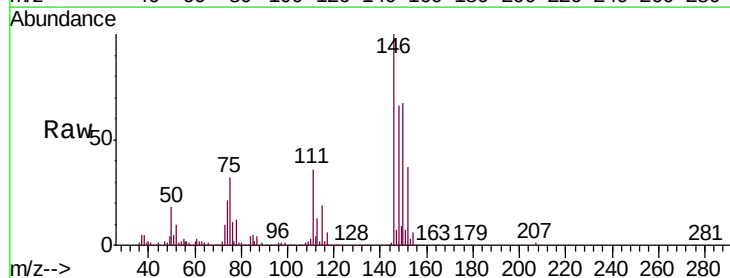
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD02

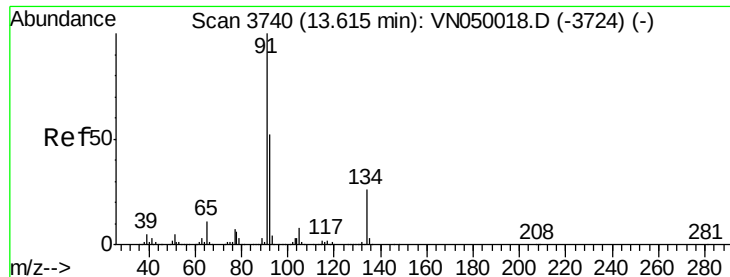
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	63.7	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.3	54.9
148	64.9	31.9	95.9

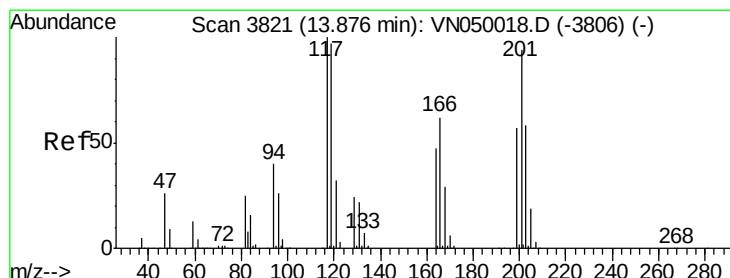
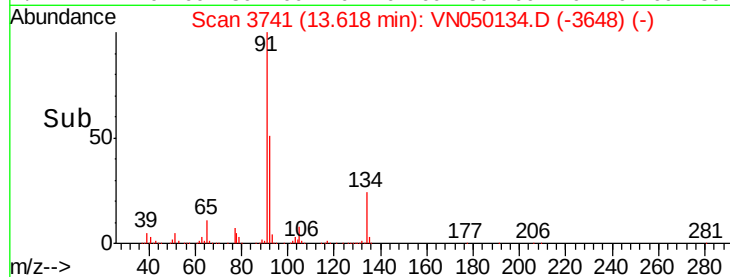
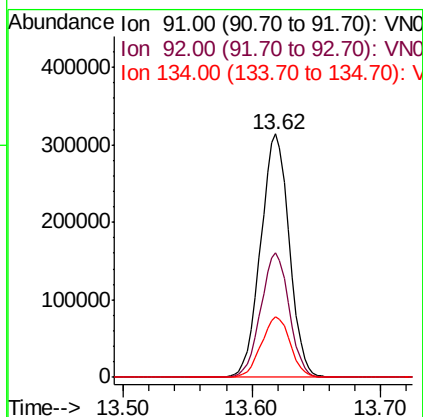
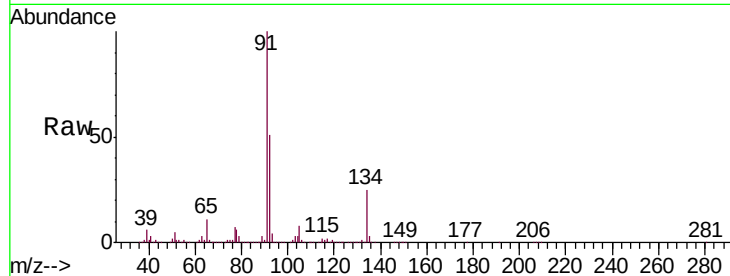




#89
n-Butylbenzene
Concen: 21.15 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

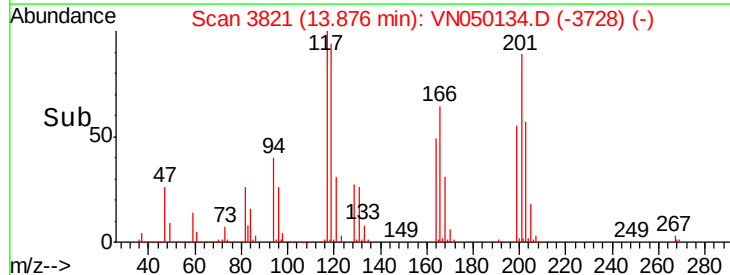
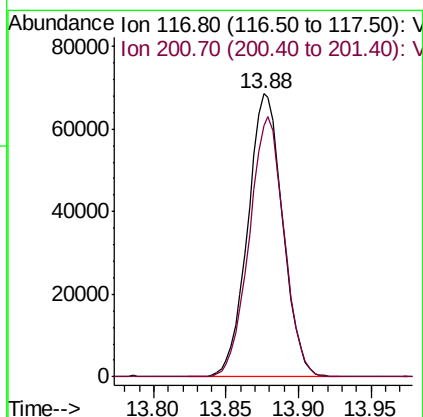
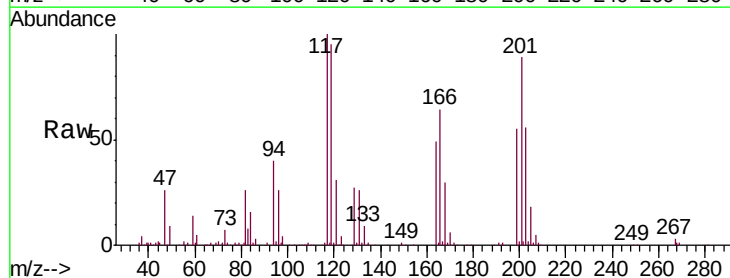
Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD02

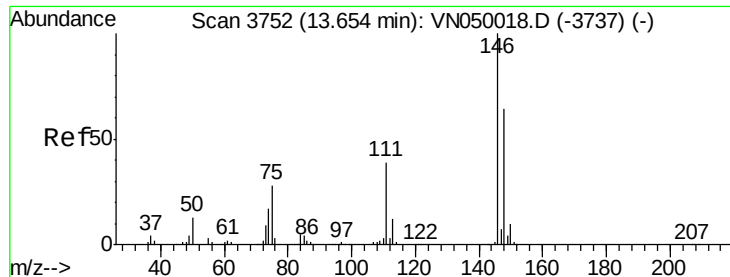
Tot Ion: 91 Resp: 483480
Ion Ratio Lower Upper
91 100
92 51.1 25.8 77.4
134 25.3 12.8 38.4



#90
Hexachloroethane
Concen: 18.72 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion: 117 Resp: 115578
Ion Ratio Lower Upper
117 100
201 91.1 45.6 136.8

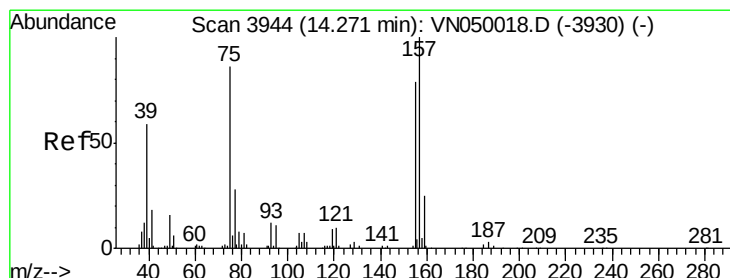
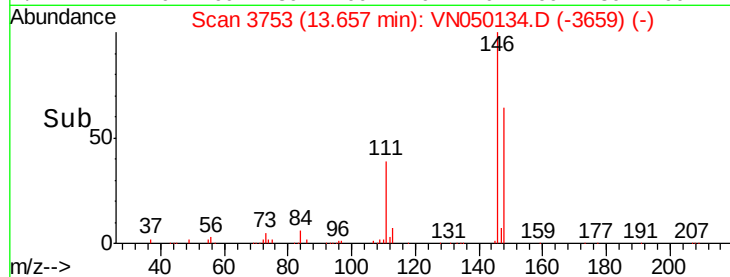
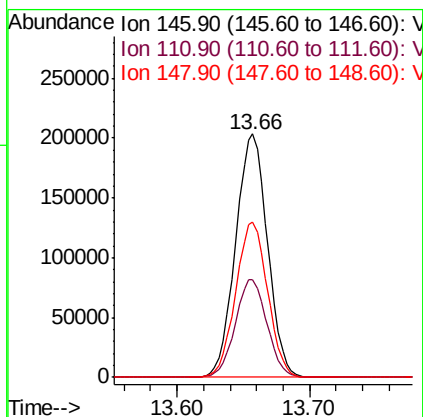
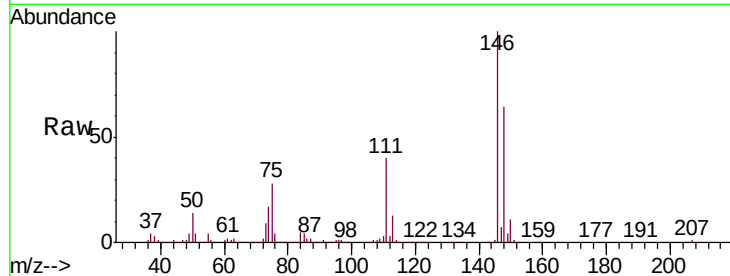




#91
 1,2-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

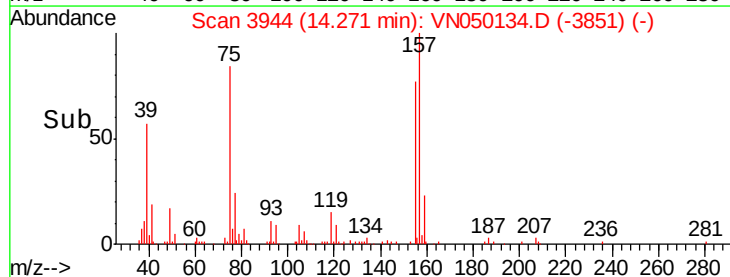
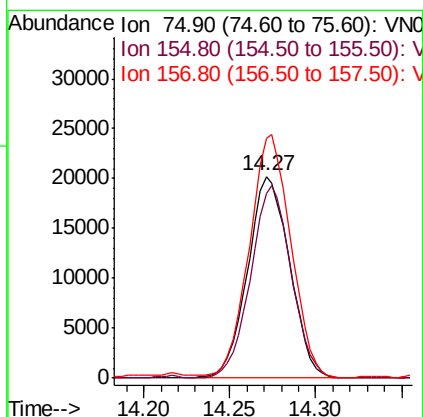
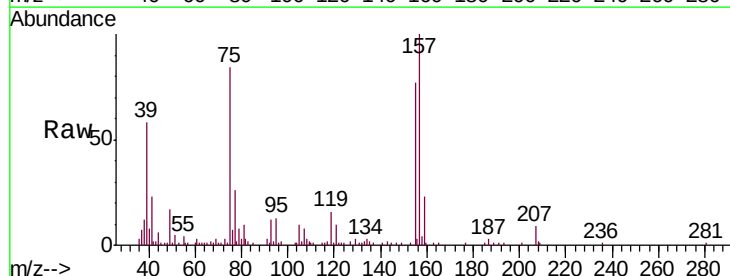
Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBSD02

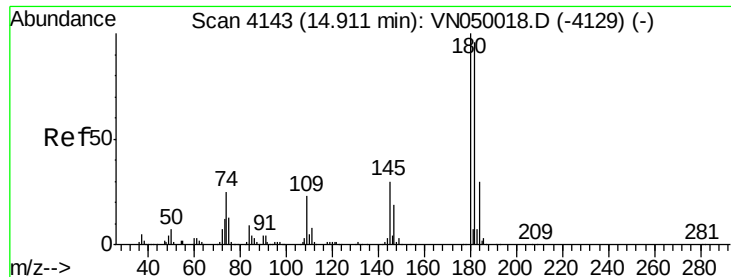
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	63.9	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.87 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050134.D
 Acq: 27 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	44.8	134.4
157	119.8	57.2	171.6

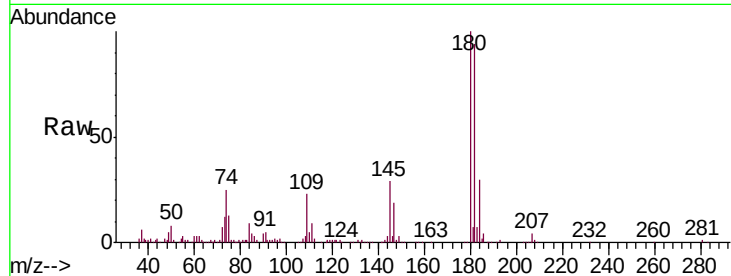




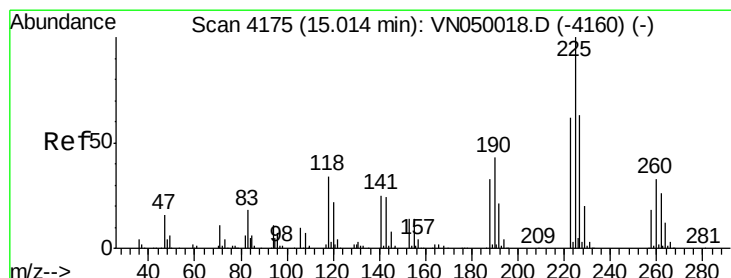
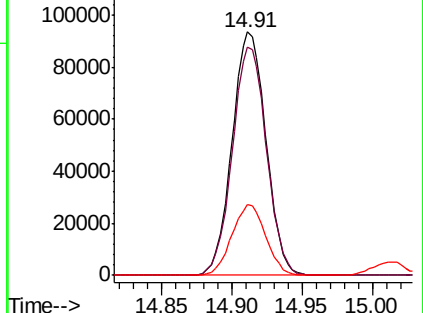
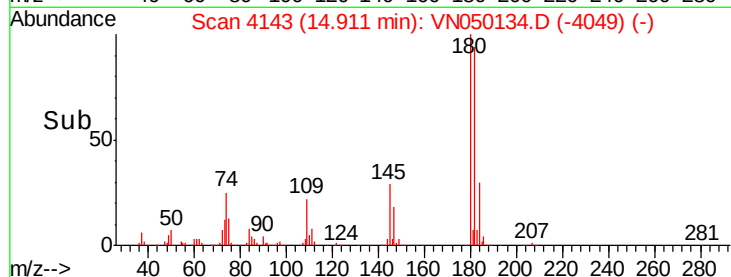
#93
1,2,4-Trichlorobenzene
Concen: 19.57 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion:180 Resp: 157406
Ion Ratio Lower Upper
180 100
182 94.2 46.7 140.1
145 28.5 13.8 41.4

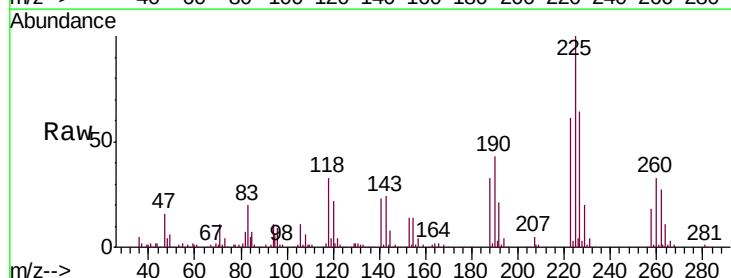


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

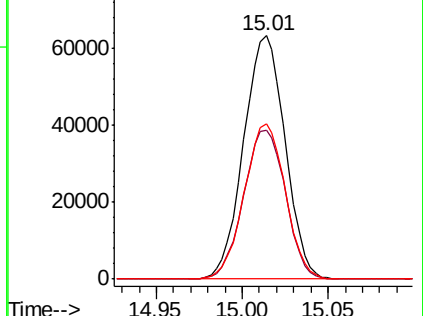
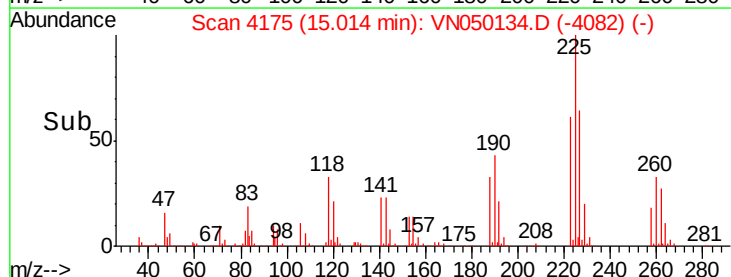


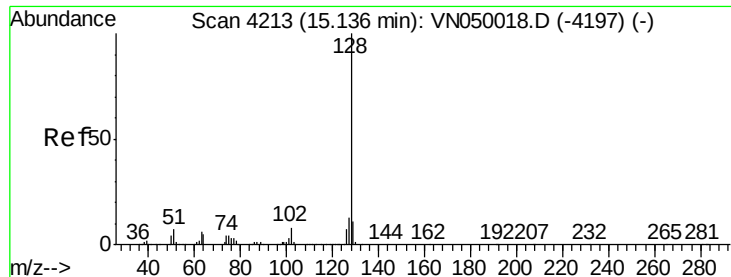
#94
Hexachlorobutadiene
Concen: 20.47 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion:225 Resp: 105880
Ion Ratio Lower Upper
225 100
223 61.9 31.4 94.2
227 63.0 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

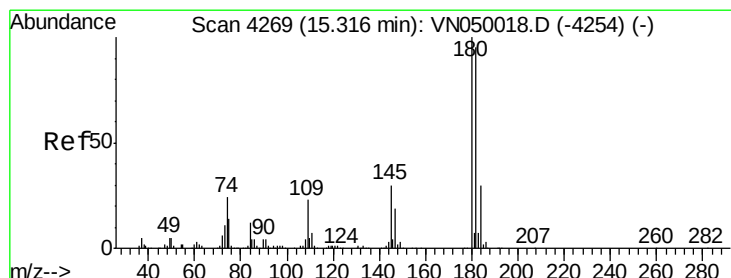
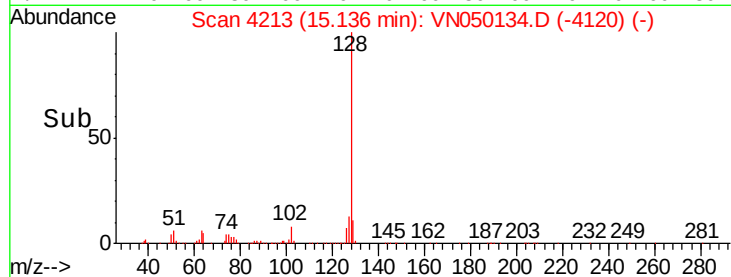
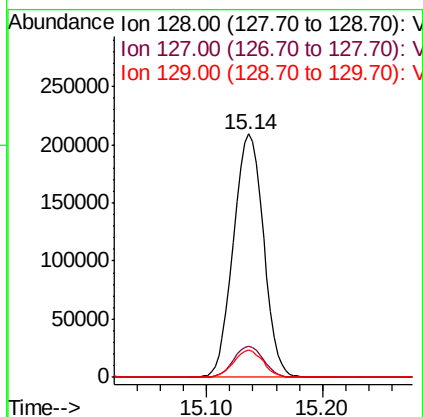
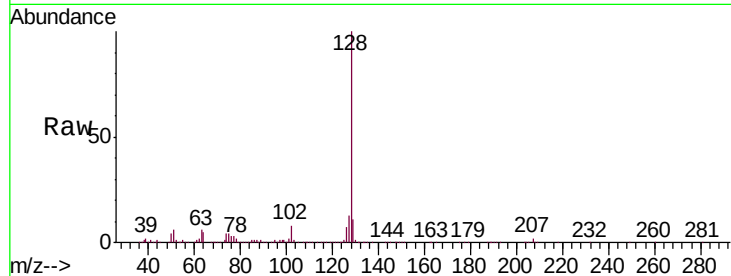




#95
Naphthalene
Concen: 20.57 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD02

Tot Ion:128 Resp: 375289
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.43 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050134.D
Acq: 27 Jul 2018 17:03

Tgt Ion:180 Resp: 166406
Ion Ratio Lower Upper
180 100
182 94.3 48.1 144.4
145 31.1 15.3 45.9

