

Data File : VN051914.D
Acq On : 18 Oct 2018 14:14
Operator : MD\SY
Sample : VN1018WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Quant Time: Oct 19 06:43:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	156735	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	893972	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	776548	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	281070	29.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.23%
60) 4-Bromofluorobenzene	12.40	95	311644	27.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.77%
63) Toluene-d8	10.09	98	1025080	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	126516	20.777 ug/l	99
3) Chloromethane	2.06	50	124525	19.350 ug/l	98
4) Vinyl Chloride	2.19	62	190711	19.844 ug/l	97
5) Bromomethane	2.57	94	166783	19.641 ug/l	91
6) Chloroethane	2.70	64	138511	19.998 ug/l	97
7) Trichlorofluoromethane	3.01	101	296603	21.647 ug/l	96
8) Diethyl Ether	3.41	74	83567	20.951 ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	165578	21.220 ug/l #	39
10) 1,1-Dichloroethene	3.74	96	150501	20.856 ug/l	86
11) Methyl Iodide	3.95	142	195088	18.597 ug/l	90
12) Methyl Acetate	4.33	43	90966	20.300 ug/l #	87
13) Acrolein	3.61	56	21179	71.735 ug/l	87
14) Acrylonitrile	4.99	53	197586	98.657 ug/l #	61
15) Acetone	3.82	58	49434	99.850 ug/l	87
16) Carbon Disulfide	4.06	76	339922	17.936 ug/l	97
17) Allyl chloride	4.33	41	155715	18.175 ug/l	78
18) Methylene Chloride	4.55	84	166549	20.642 ug/l	89
19) trans-1,2-Dichloroethene	5.04	96	165654	20.104 ug/l #	80
20) Diisopropyl ether	5.96	45	370925	19.440 ug/l #	82
21) 1,1-Dichloroethane	5.85	63	273429	20.509 ug/l #	98
22) cis-1,2-Dichloroethene	6.83	96	194807	20.128 ug/l #	81
23) tert-Butyl Alcohol	4.79	59	48890	92.689 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	418216	20.116 ug/l #	67
25) Chloroform	7.37	83	323471	20.451 ug/l	97
26) Cyclohexane	7.65	56	212225	18.776 ug/l #	69
29) 1,1-Dichloropropene	7.79	75	224210	19.457 ug/l	94
30) 2-Butanone	6.84	43	221541	91.982 ug/l #	84
31) 2,2-Dichloropropane	6.83	77	248243	18.312 ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	298242	19.522 ug/l	94
33) Carbon Tetrachloride	7.78	117	264647	19.147 ug/l	90
34) Benzene	8.04	78	680175	19.955 ug/l #	66
35) Methacrylonitrile	7.21	41	140728	44.473 ug/l #	56
36) 1,2-Dichloroethane	8.13	62	216386	19.812 ug/l	96
37) Trichloroethene	8.84	130	211106	19.951 ug/l	95
38) Methylcyclohexane	9.08	83	276786	18.727 ug/l	79
39) 1,2-Dichloropropane	9.12	63	158075	19.692 ug/l	95
40) Dibromomethane	9.21	93	117895	19.789 ug/l	93

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	238255	19.361	ug/l	94
42) Vinyl Acetate	5.90	43	1244279	91.772	ug/l #	89
43) Ethyl Acetate	6.93	43	102873	19.671	ug/l	99
44) Isopropyl Acetate	8.17	43	195634	18.728	ug/l	95
45) 1,4-Dioxane	9.20	88	32209	384.007	ug/l #	75
46) Methyl methacrylate	9.20	41	89231	18.519	ug/l	70
47) n-amyl Acetate	12.07	43	140971	16.121	ug/l #	74
48) t-1,3-Dichloropropene	10.38	75	207223	17.268	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	247505	18.709	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	164093	19.934	ug/l	94
51) Ethyl methacrylate	10.43	69	172504	18.305	ug/l	83
52) 1,3-Dichloropropane	10.71	76	253486	19.952	ug/l	98
53) Dibromochloromethane	10.90	129	182936	17.964	ug/l	98
54) 1,2-Dibromoethane	11.01	107	167955	19.439	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	358473	88.979	ug/l #	91
56) Bromoform	12.13	173	112707	16.782	ug/l #	91
58) 4-Methyl-2-Pentanone	9.99	43	513959	98.903	ug/l #	86
59) 2-Hexanone	10.75	43	317819	90.654	ug/l #	89
61) Tetrachloroethene	10.63	164	212701	21.418	ug/l	96
62) Toluene	10.16	91	786945	20.399	ug/l	97
64) Chlorobenzene	11.43	112	513037	20.306	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	194620	20.069	ug/l	99
66) Ethyl Benzene	11.51	91	852347	19.991	ug/l	99
67) m/p-Xylenes	11.62	106	676474	39.135	ug/l	98
68) o-Xylene	11.95	106	332366	19.504	ug/l	92
69) Styrene	11.96	104	498540	19.068	ug/l	96
70) Isopropylbenzene	12.25	105	898804	19.779	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	179548	20.007	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	206144	29.200	ug/l	73
73) Bromobenzene	12.53	156	219805	19.528	ug/l	80
74) n-propylbenzene	12.59	91	940841	19.248	ug/l	95
75) 2-Chlorotoluene	12.67	91	559110	19.511	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	740157	19.697	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	35283	15.111	ug/l	99
78) 4-Chlorotoluene	12.77	91	527421	18.733	ug/l	92
79) tert-butylbenzene	12.99	119	681972	19.734	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	728520	19.398	ug/l	98
81) sec-Butylbenzene	13.17	105	882259	19.516	ug/l	98
82) p-Isopropyltoluene	13.29	119	746884	18.463	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	361889	18.221	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	339694	18.168	ug/l	97
85) n-Butylbenzene	13.61	91	529929	17.372	ug/l	95
86) Hexachloroethane	13.87	117	121551	17.426	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	363493	18.904	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23568	17.586	ug/l #	70
89) 1,2,4-Trichlorobenzene	14.91	180	127696	17.790	ug/l	97
90) Hexachlorobutadiene	15.01	225	114832	18.532	ug/l	96
91) Naphthalene	15.13	128	246666	17.913	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	138358	15.816	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
Quantitation Report (Not Reviewed)

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Operator : MD\SY
Sample : VN1018WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

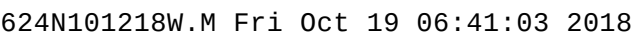
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

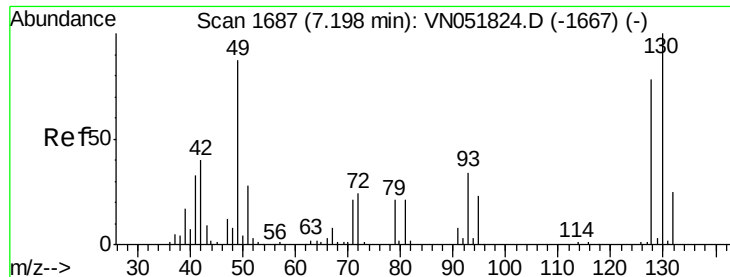
Quant Time: Oct 19 06:43:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 19 06:43:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

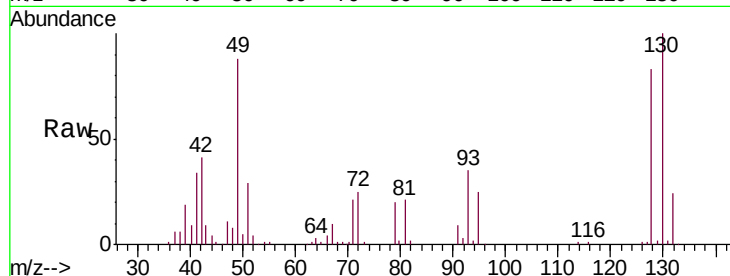
Tgt Ion:128 Resp: 156735

Ion Ratio Lower Upper

128 100

49 107.1 0.0 403.3

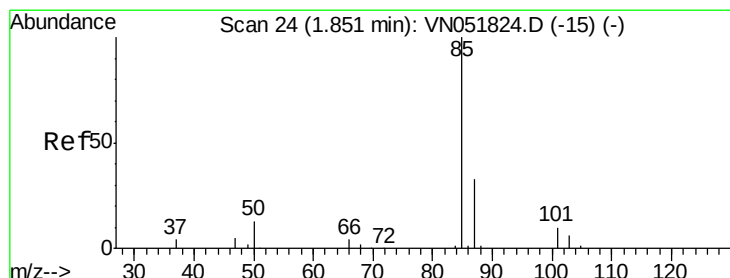
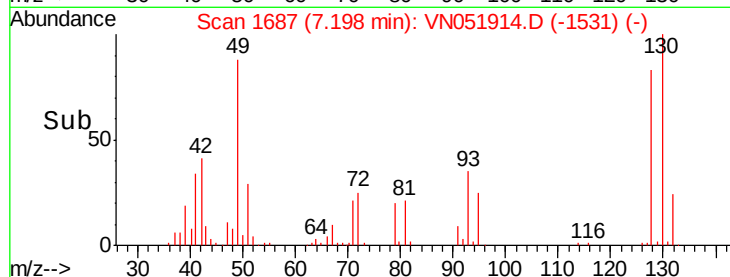
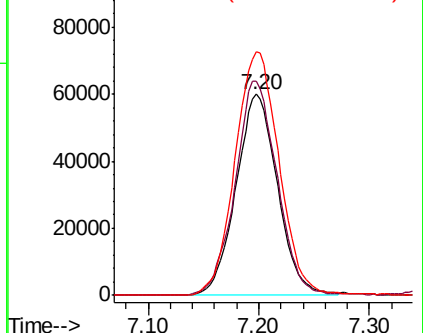
130 127.4 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.777 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051914.D

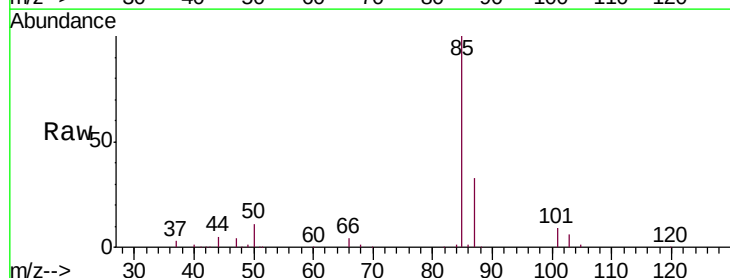
Acq: 18 Oct 2018 14:14

Tgt Ion: 85 Resp: 126516

Ion Ratio Lower Upper

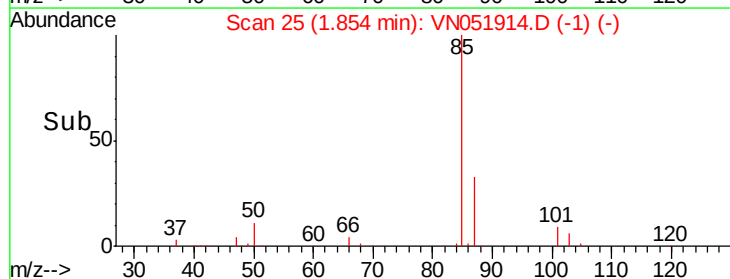
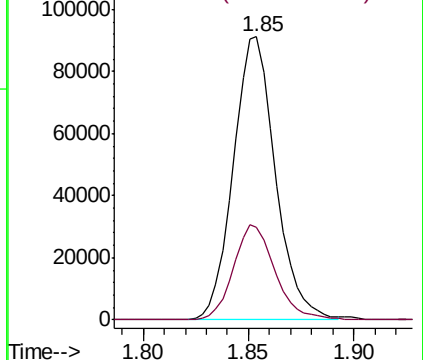
85 100

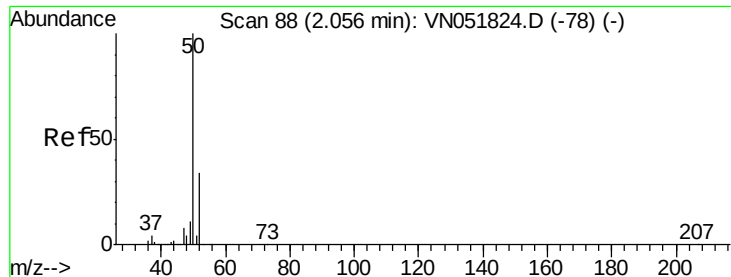
87 32.8 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.350 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

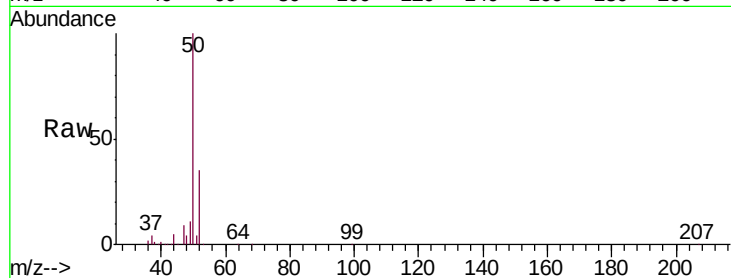
VN1018WBSD01

Tgt Ion: 50 Resp: 124525

Ion Ratio Lower Upper

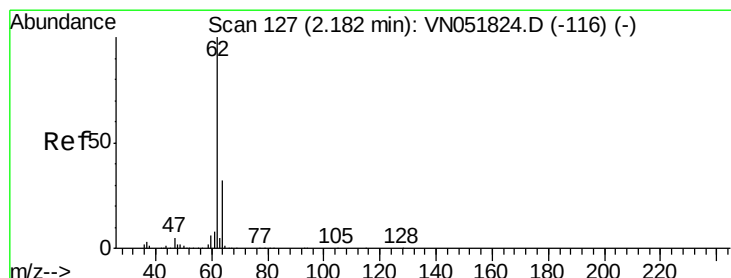
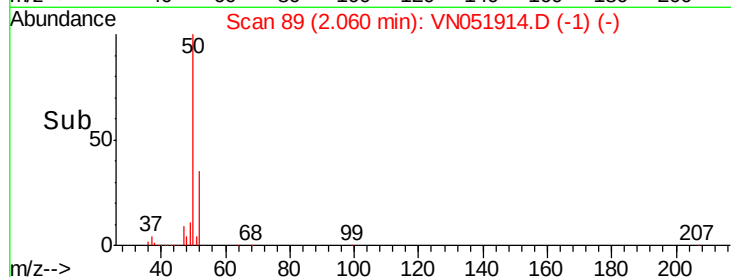
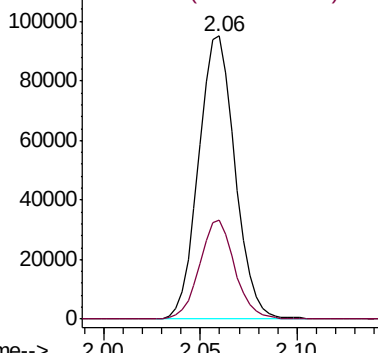
50 100

52 35.1 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.844 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051914.D

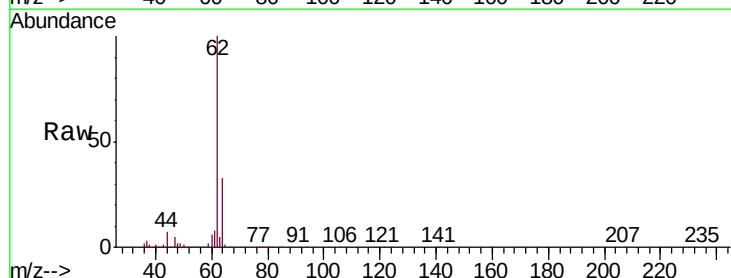
Acq: 18 Oct 2018 14:14

Tgt Ion: 62 Resp: 190711

Ion Ratio Lower Upper

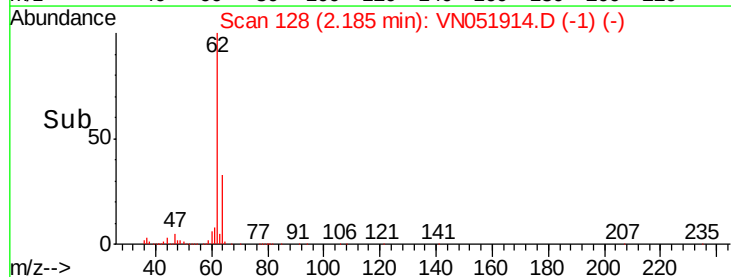
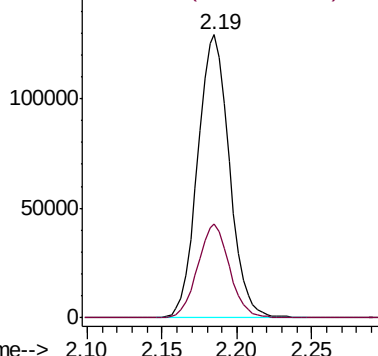
62 100

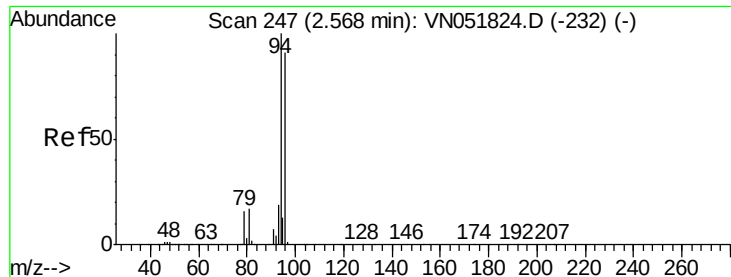
64 33.2 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.641 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

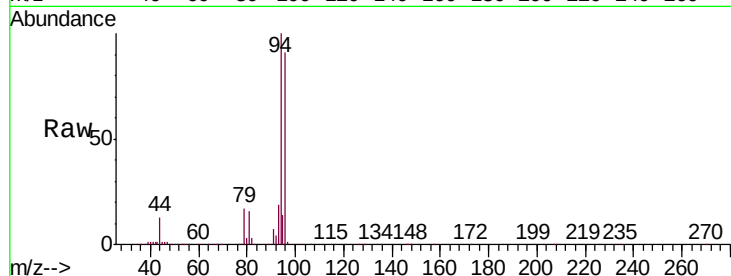
VN1018WBSD01

Tgt Ion: 94 Resp: 166783

Ion Ratio Lower Upper

94 100

96 90.8 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

100000

80000

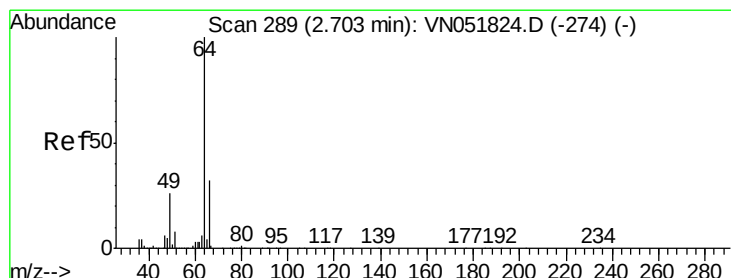
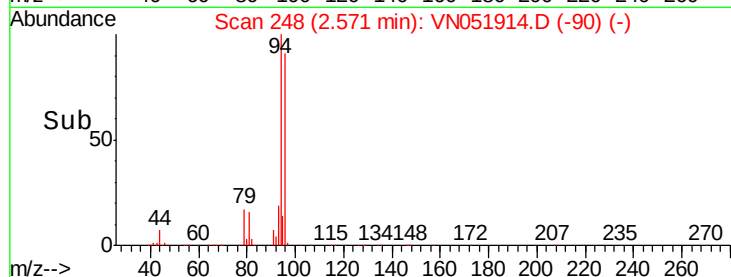
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.998 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051914.D

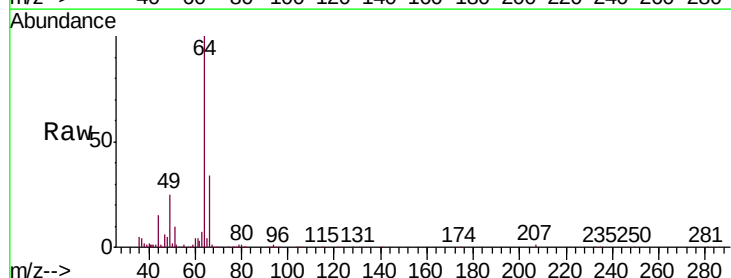
Acq: 18 Oct 2018 14:14

Tgt Ion: 64 Resp: 138511

Ion Ratio Lower Upper

64 100

66 34.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

80000

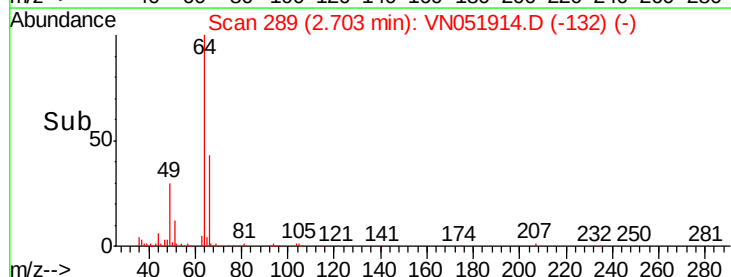
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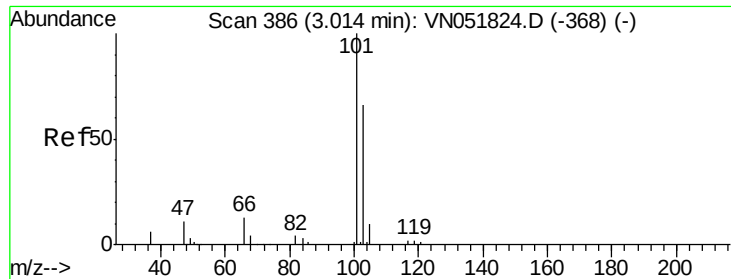
40000

20000

0

Time-->



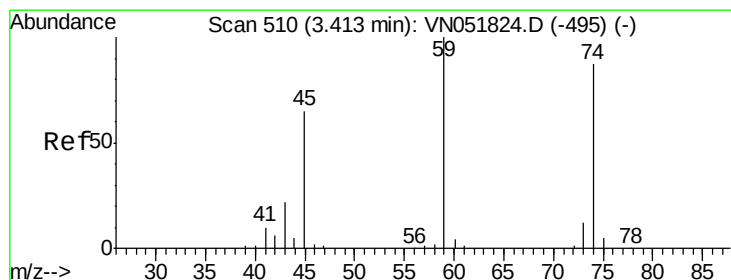
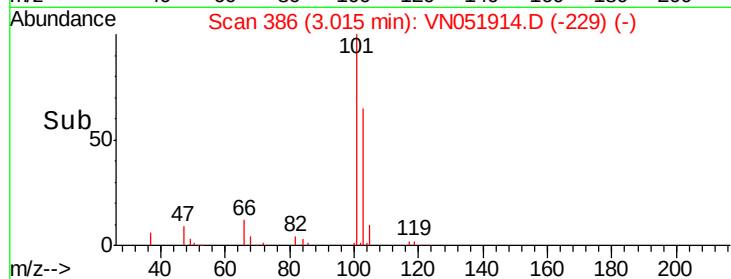
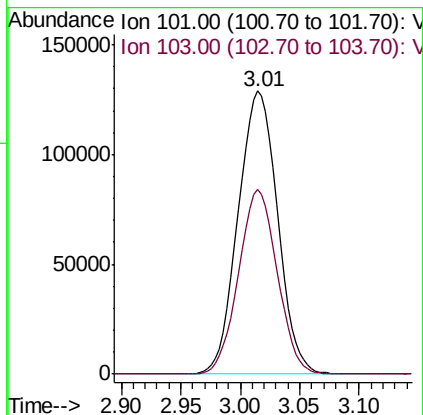
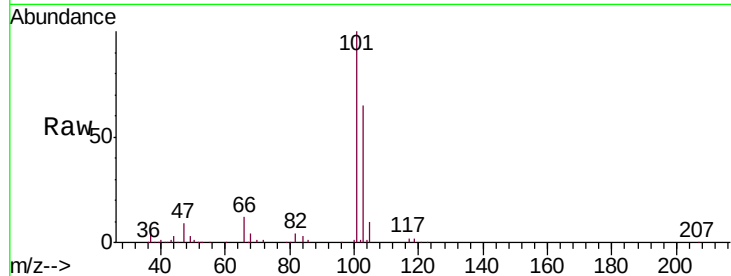


#7

Trichlorofluoromethane
 Concen: 21.647 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN1018WBSD01

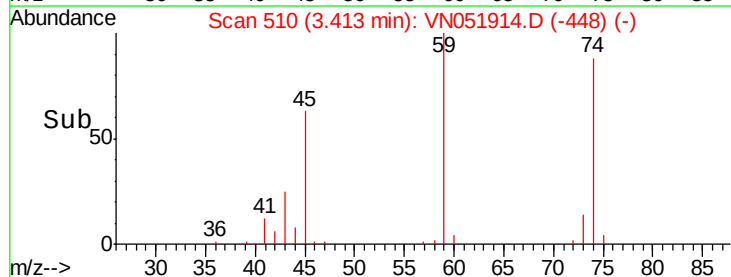
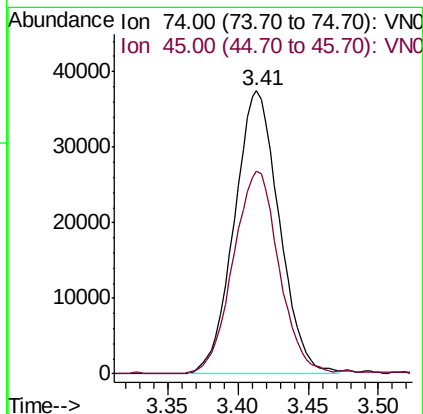
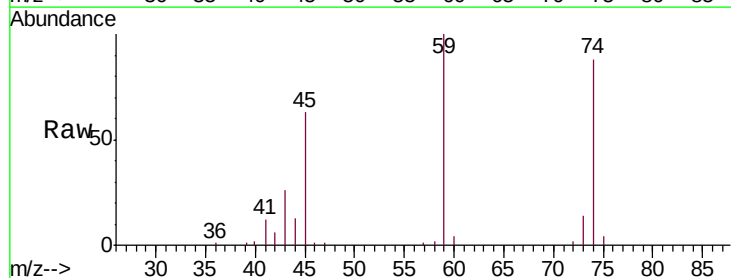
Tgt Ion: 101 Resp: 296603
 Ion Ratio Lower Upper
 101 100
 103 65.1 54.8 82.2

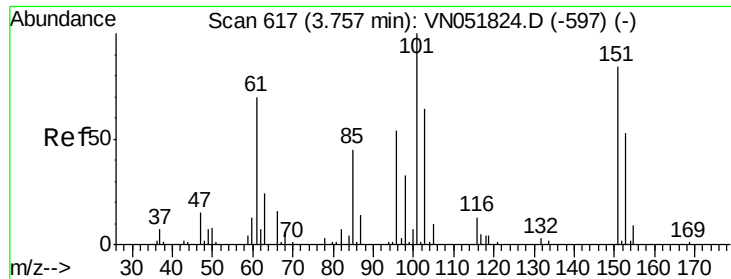


#8

Diethyl Ether
 Concen: 20.951 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 74 Resp: 83567
 Ion Ratio Lower Upper
 74 100
 45 73.0 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.220 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

VN1018WBSD01

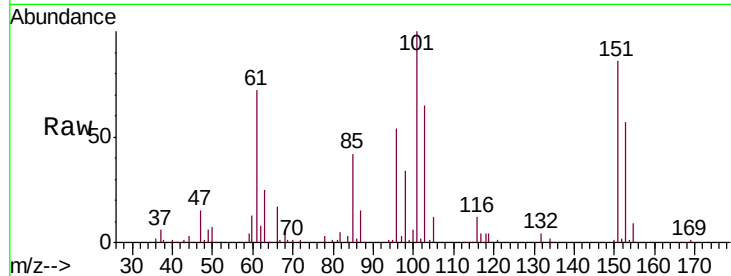
Tgt Ion:101 Resp: 165578

Ion Ratio Lower Upper

101 100

85 43.3 0.0 46.0

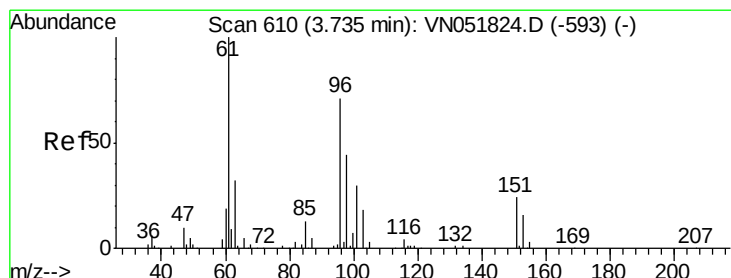
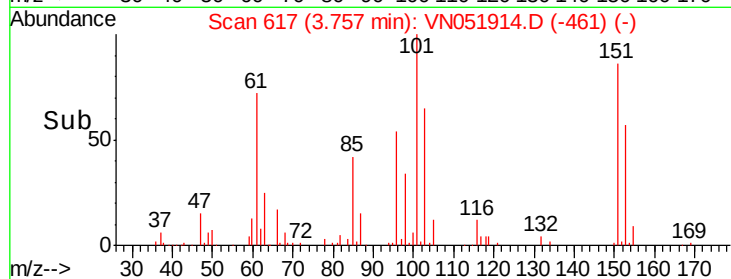
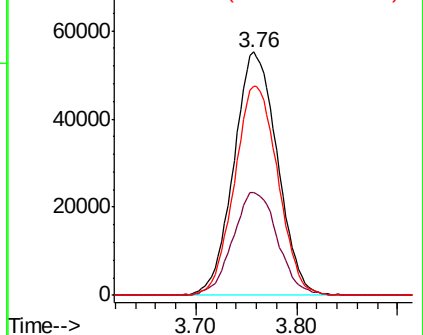
151 85.5 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.856 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

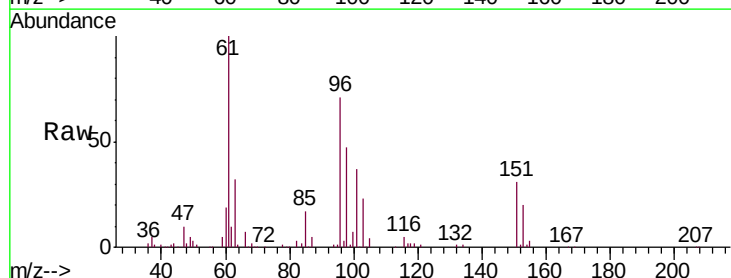
Tgt Ion: 96 Resp: 150501

Ion Ratio Lower Upper

96 100

61 140.1 133.0 199.6

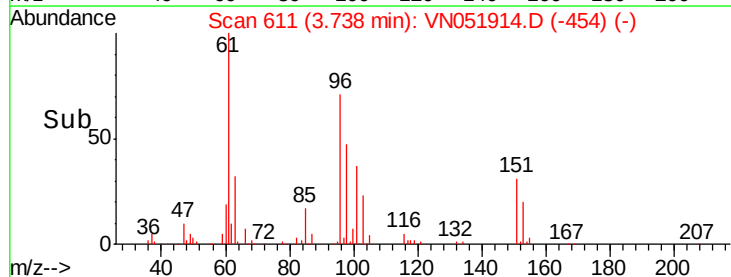
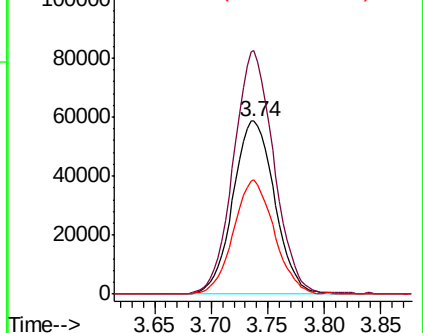
98 66.0 52.6 78.8

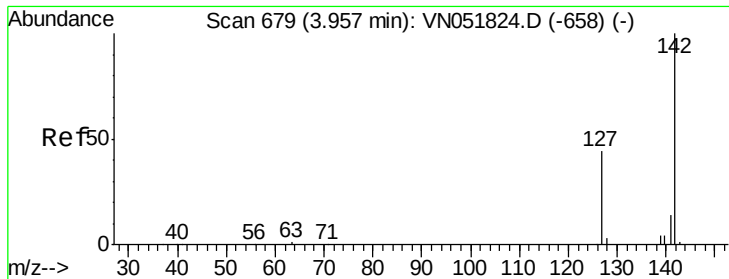


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

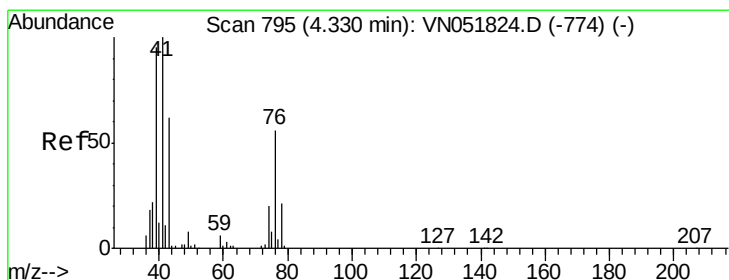
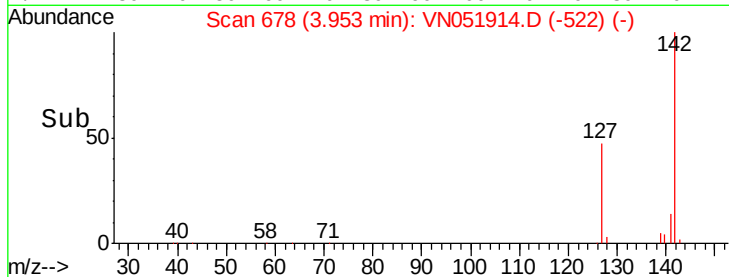
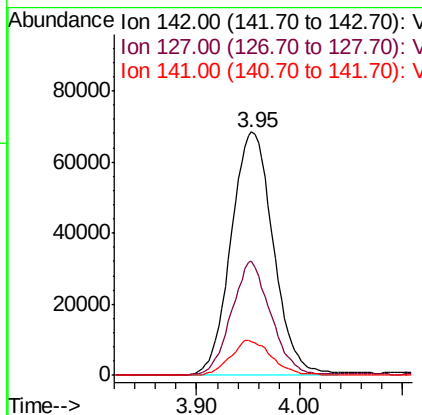
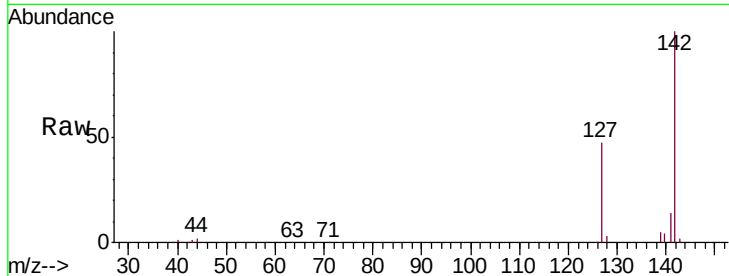




#11
Methyl Iodide
Concen: 18.597 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

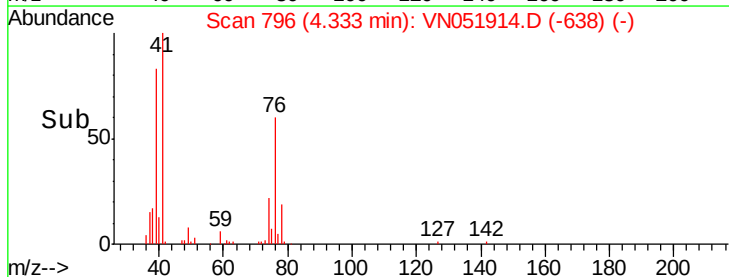
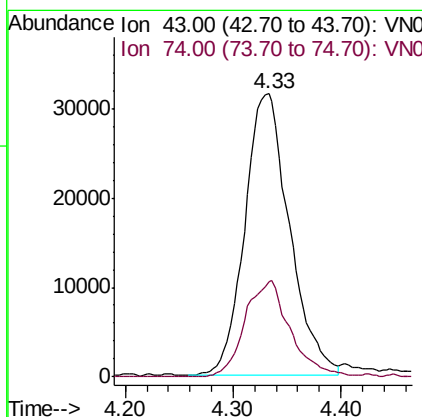
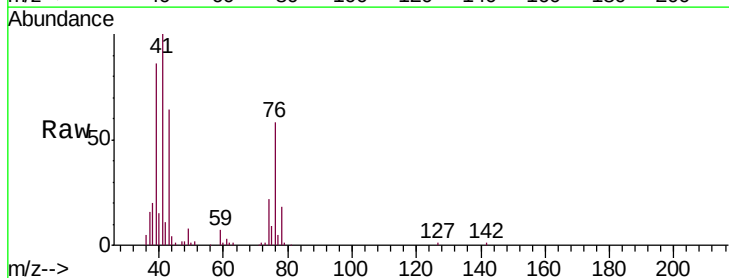
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

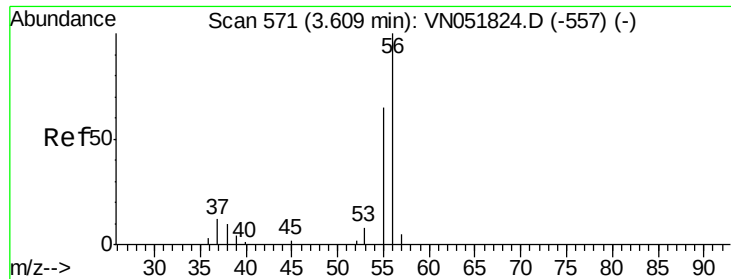
Tgt Ion:142 Resp: 195088
Ion Ratio Lower Upper
142 100
127 46.5 19.7 59.0
141 13.9 6.3 18.9



#12
Methyl Acetate
Concen: 20.300 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 43 Resp: 90966
Ion Ratio Lower Upper
43 100
74 33.7 21.8 32.6#

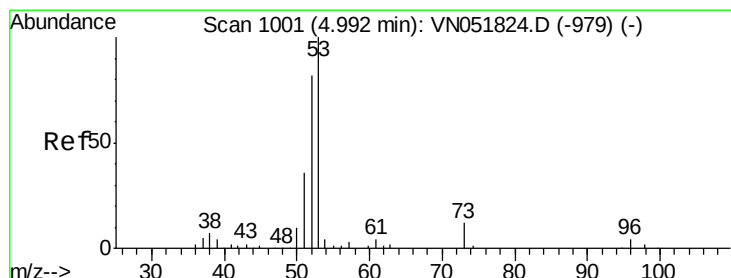
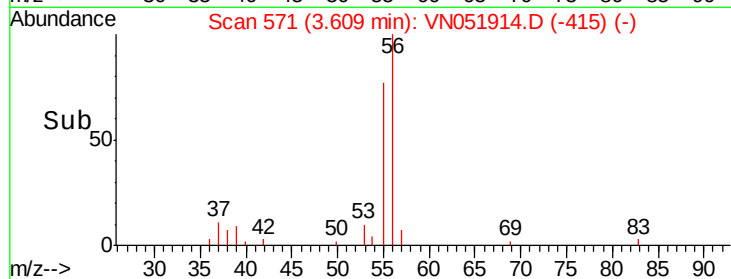
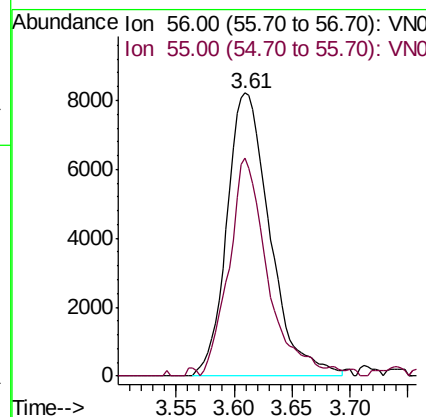
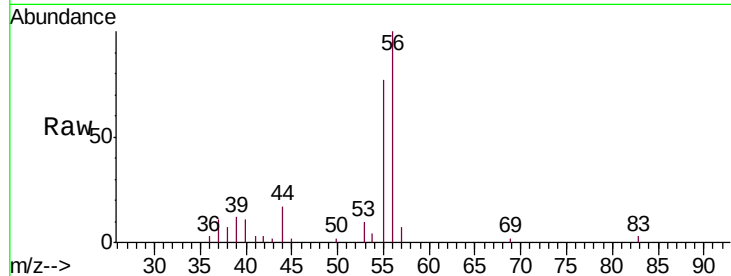




#13
 Acrolein
 Concen: 71.735 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

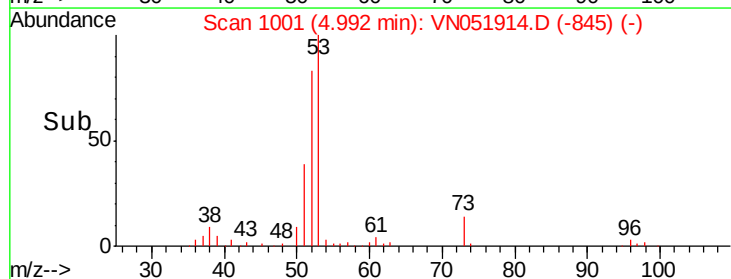
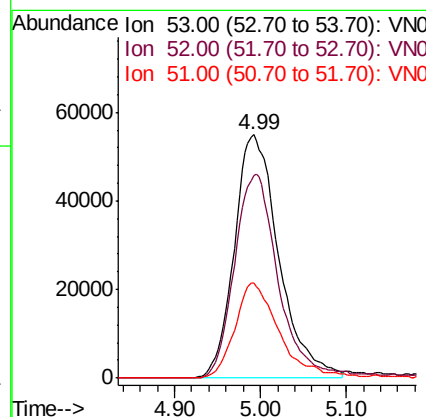
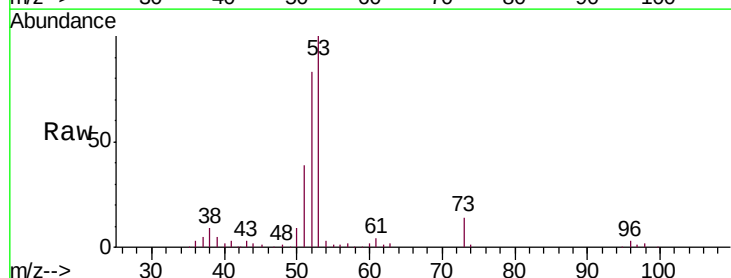
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

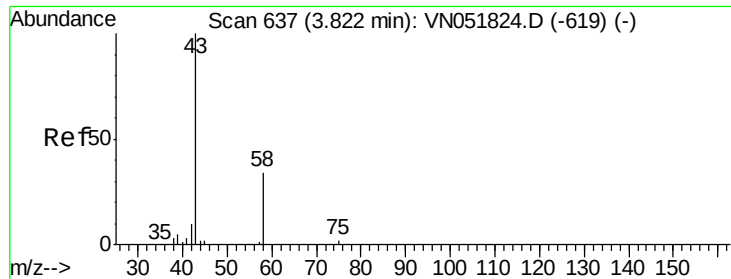
Tgt Ion: 56 Resp: 21179
 Ion Ratio Lower Upper
 56 100
 55 68.6 64.0 96.0



#14
 Acrylonitrile
 Concen: 98.657 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 53 Resp: 197586
 Ion Ratio Lower Upper
 53 100
 52 81.5 18.3 54.8#
 51 36.6 19.7 59.1

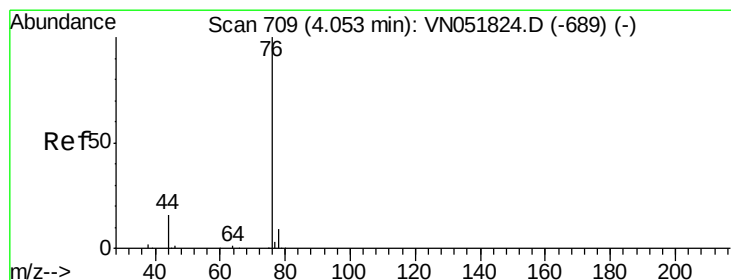
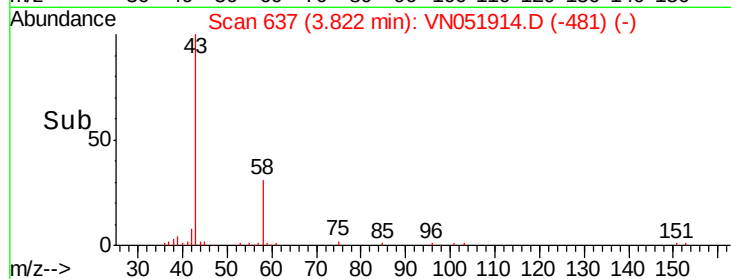
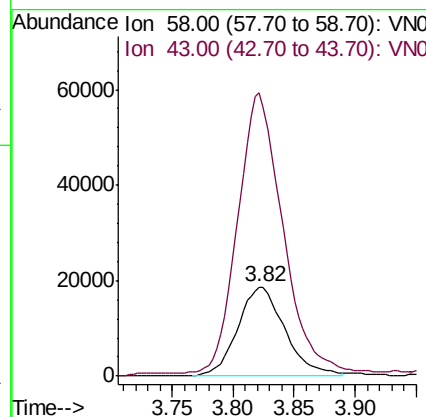
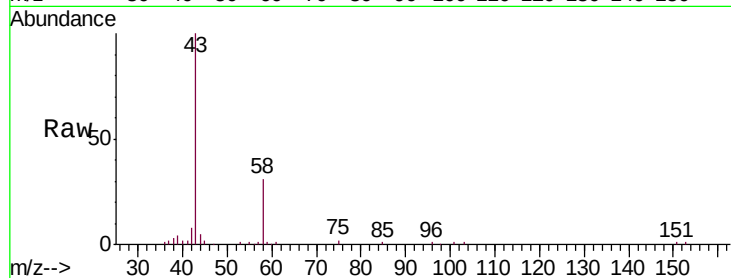




#15
Acetone
Concen: 99.850 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

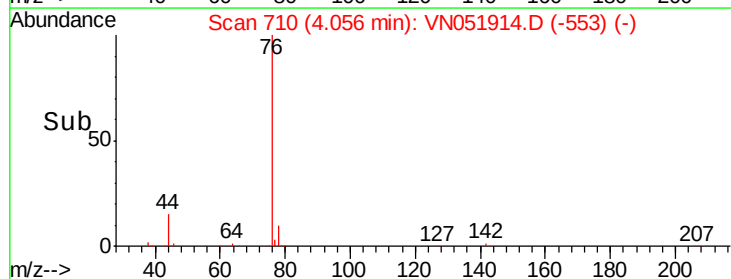
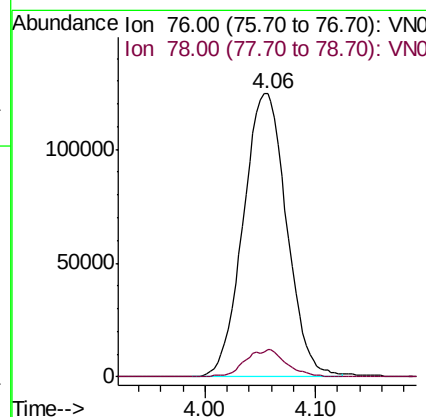
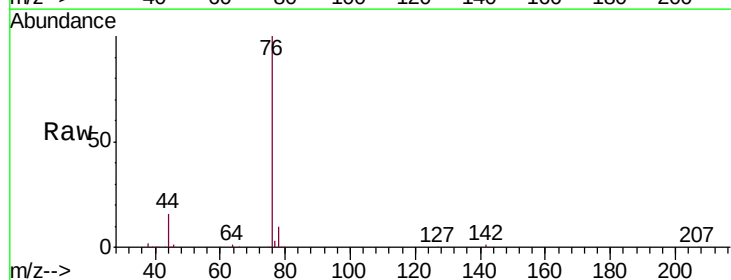
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

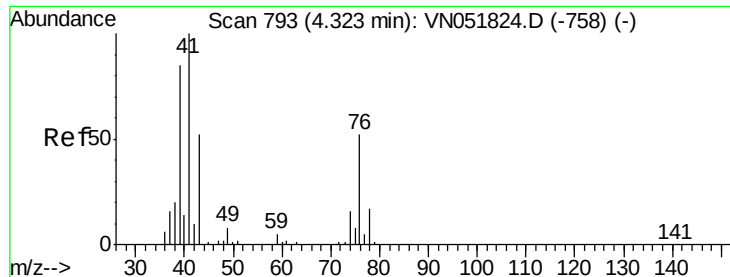
Tgt Ion: 58 Resp: 49434
Ion Ratio Lower Upper
58 100
43 315.7 232.2 348.2



#16
Carbon Disulfide
Concen: 17.936 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 76 Resp: 339922
Ion Ratio Lower Upper
76 100
78 9.6 6.7 10.1

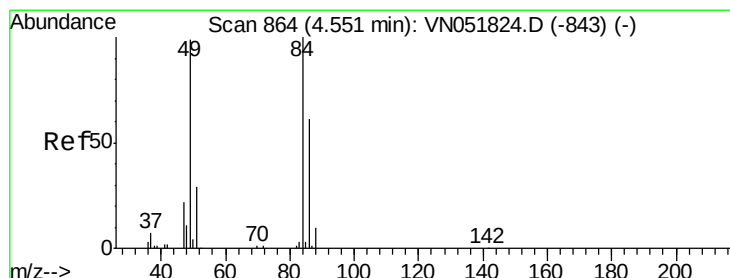
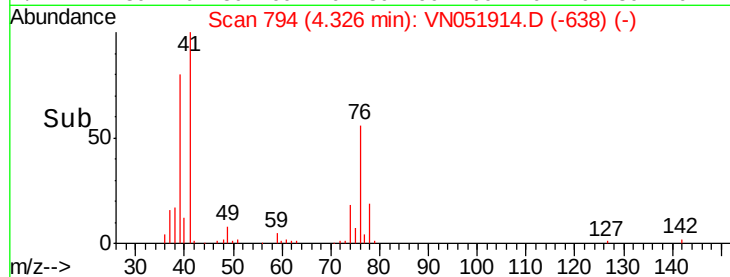
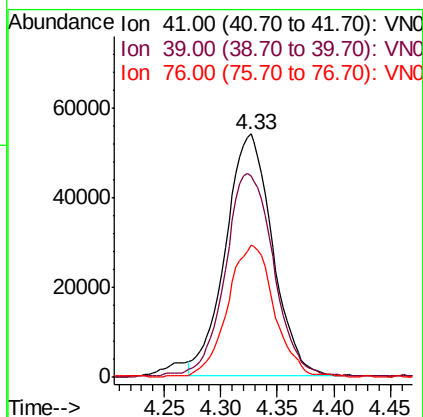
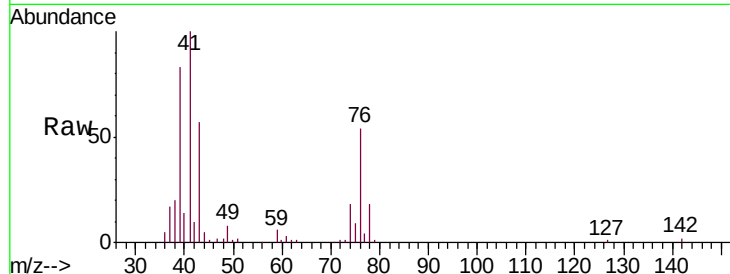




#17
 Allyl chloride
 Concen: 18.175 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

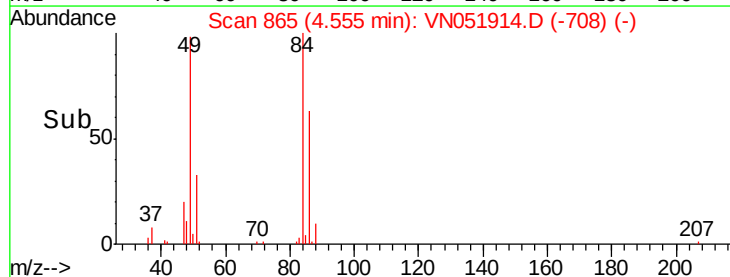
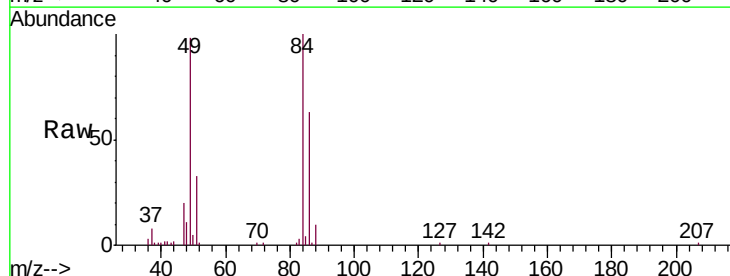
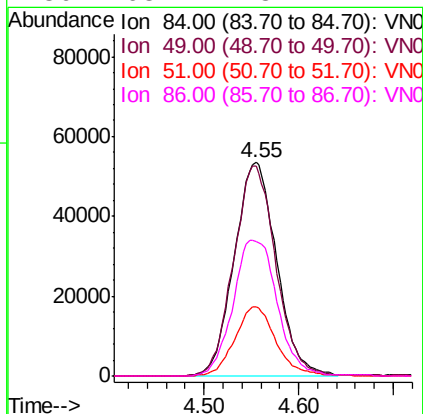
Instrument :
 MSVOA_N
 ClientSampled :
 VN1018WBSD01

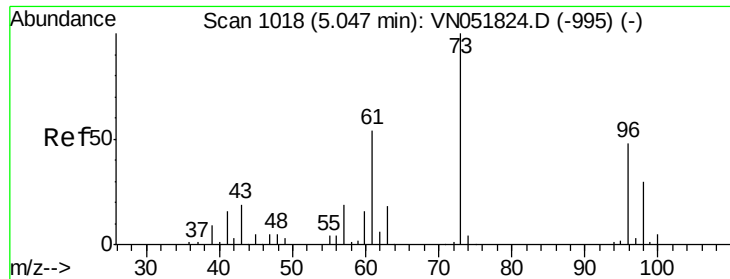
Tgt Ion: 41 Resp: 155715
 Ion Ratio Lower Upper
 41 100
 39 82.4 32.6 97.8
 76 53.8 20.2 60.5



#18
 Methylene Chloride
 Concen: 20.642 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 84 Resp: 166549
 Ion Ratio Lower Upper
 84 100
 49 97.8 91.6 137.4
 51 32.6 29.8 44.6
 86 63.2 48.2 72.4

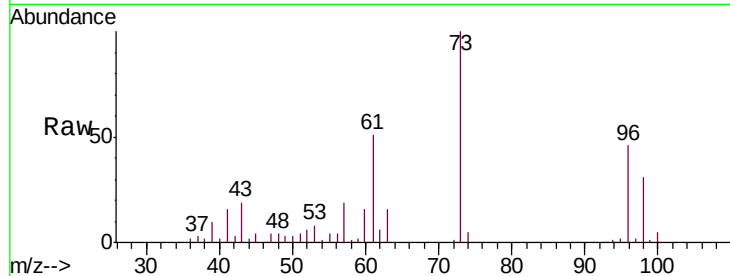




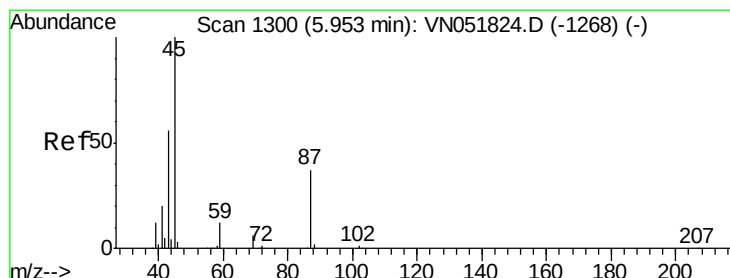
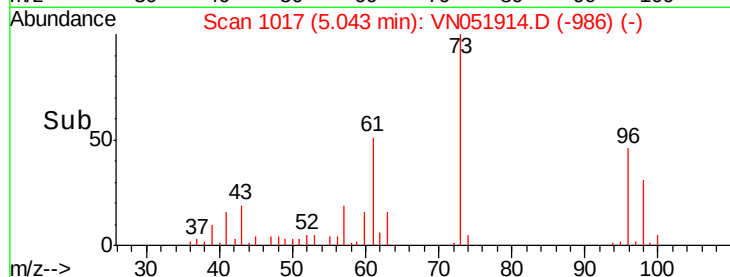
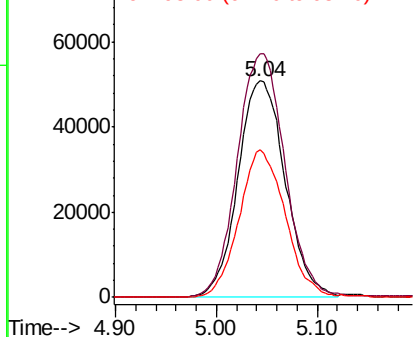
#19
trans-1,2-Dichloroethene
Concen: 20.104 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion: 96 Resp: 165654
Ion Ratio Lower Upper
96 100
61 112.1 112.3 168.5#
98 68.3 47.1 70.7

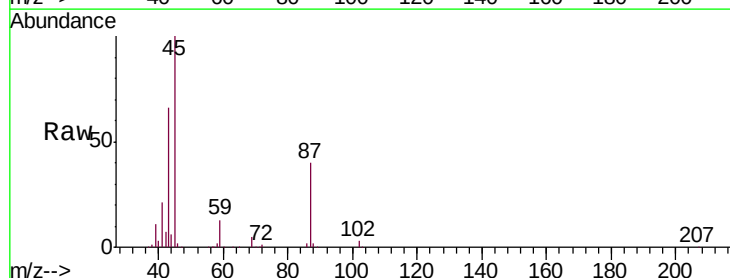


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

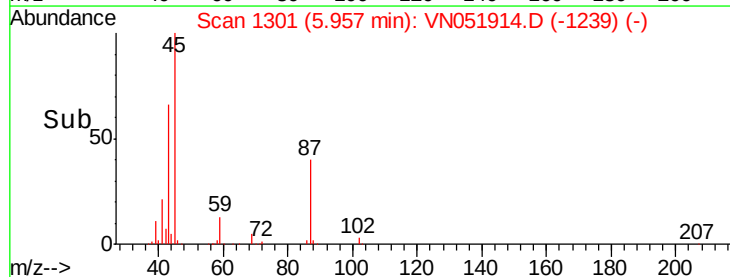
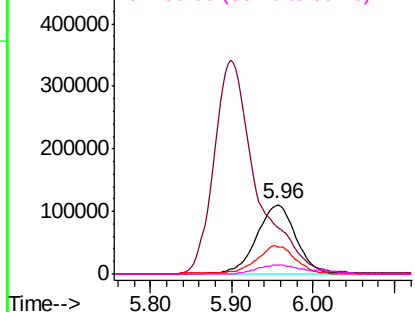


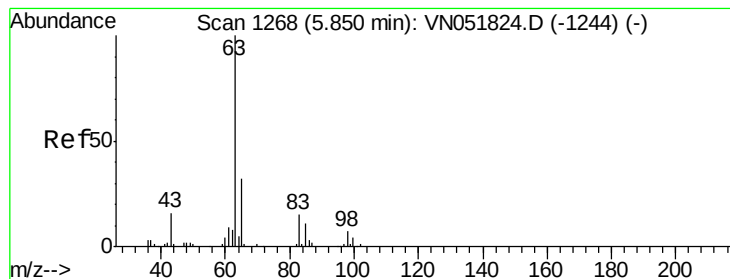
#20
Diisopropyl ether
Concen: 19.440 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 45 Resp: 370925
Ion Ratio Lower Upper
45 100
43 62.3 62.1 93.1
87 38.8 19.9 29.9#
59 12.5 9.8 14.6



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





#21

1,1-Dichloroethane

Concen: 20.509 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

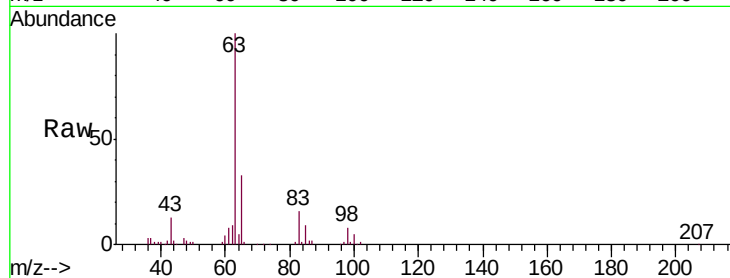
Tgt Ion: 63 Resp: 273429

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

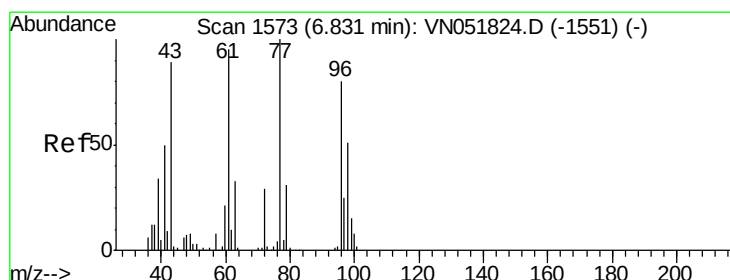
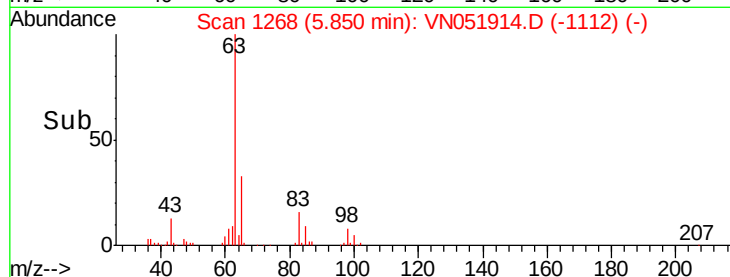
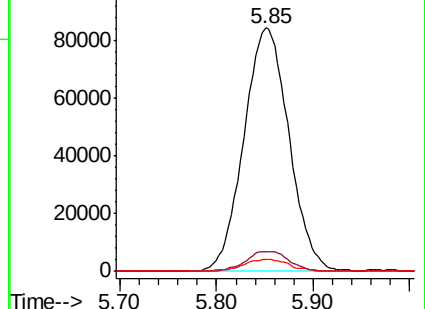
100 4.9 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051914.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN051914.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN051914.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.128 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

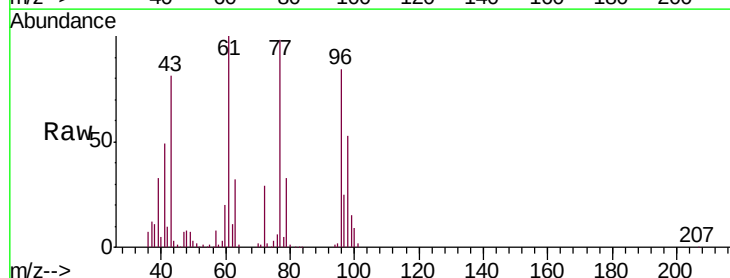
Tgt Ion: 96 Resp: 194807

Ion Ratio Lower Upper

96 100

61 121.0 124.5 186.7#

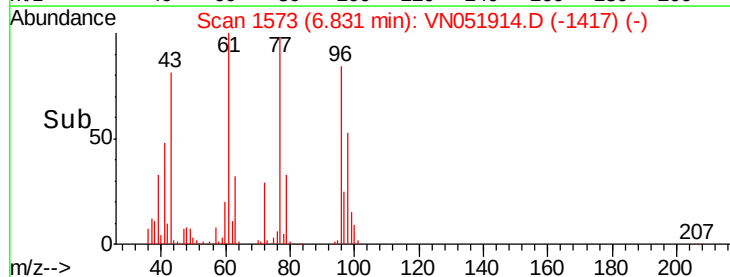
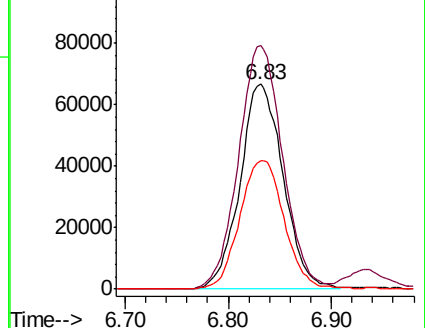
98 64.2 51.9 77.9

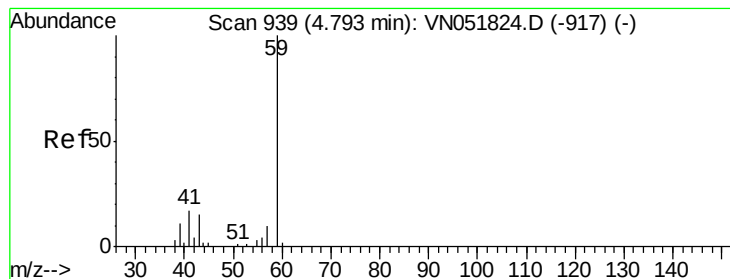


Abundance Ion 96.00 (95.70 to 96.70): VN051914.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051914.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051914.D (-1417) (-)



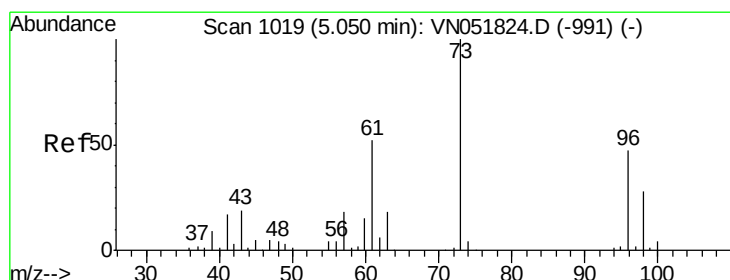
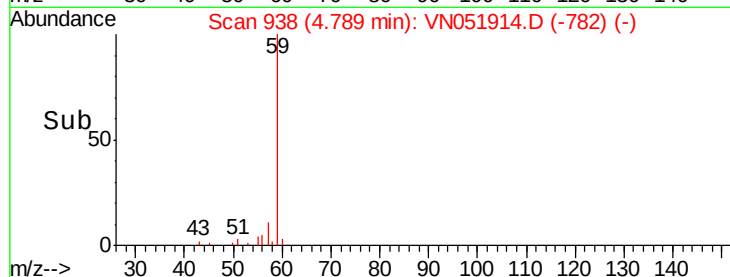
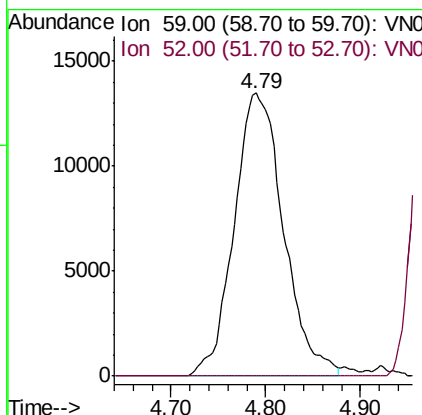
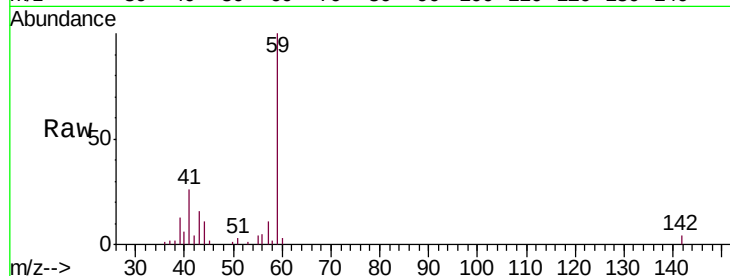


#23

tert-Butyl Alcohol
Concen: 92.689 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

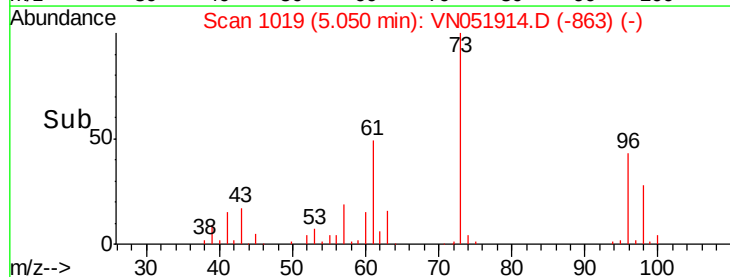
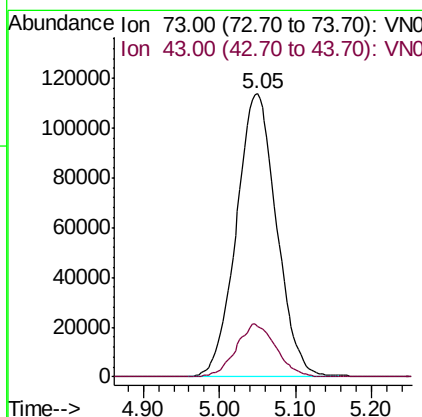
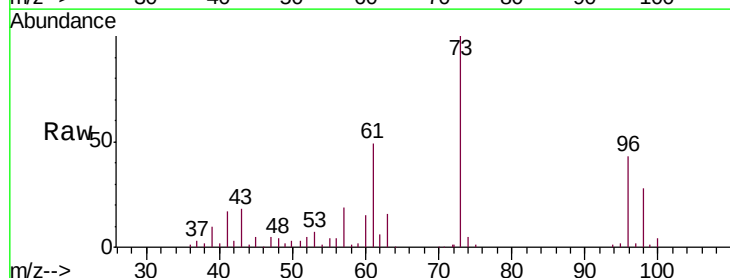
Tgt Ion: 59 Resp: 48890
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

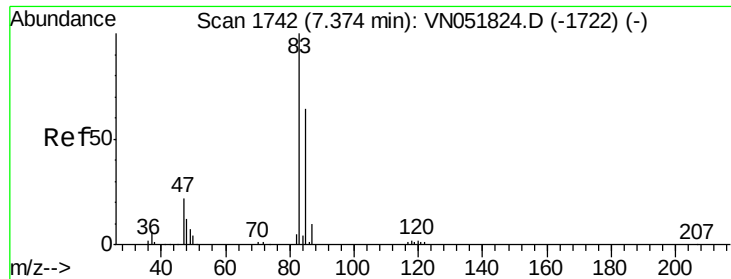


#24

Methyl tert-Butyl Ether
Concen: 20.116 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 73 Resp: 418216
Ion Ratio Lower Upper
73 100
43 18.0 5.4 8.0#





#25

Chloroform

Concen: 20.451 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

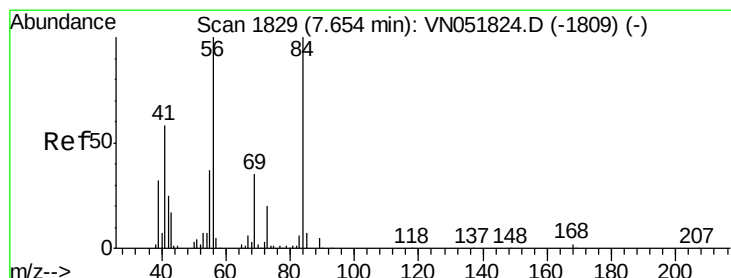
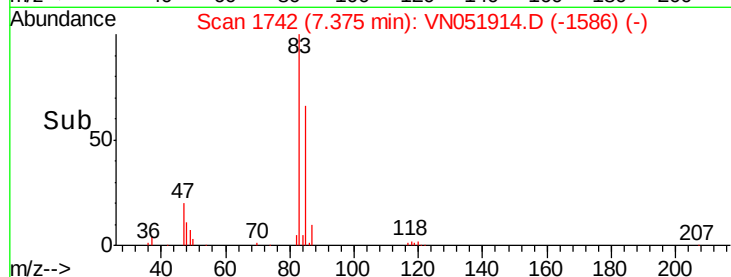
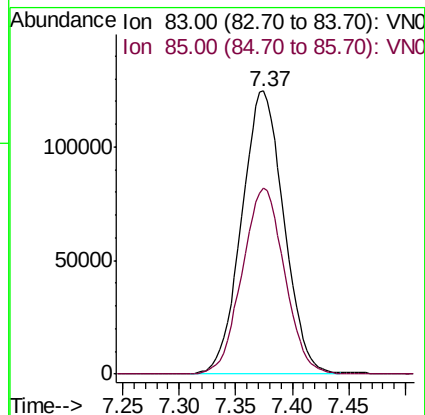
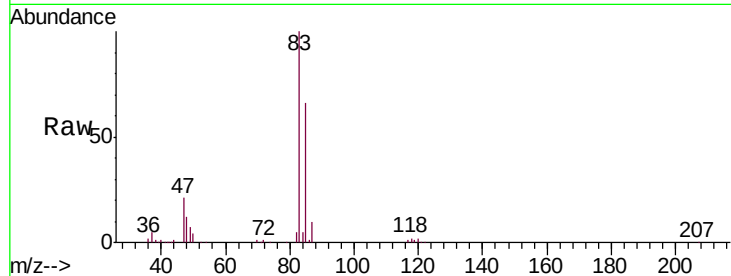
VN1018WBSD01

Tgt Ion: 83 Resp: 323471

Ion Ratio Lower Upper

83 100

85 65.8 54.6 82.0



#26

Cyclohexane

Concen: 18.776 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

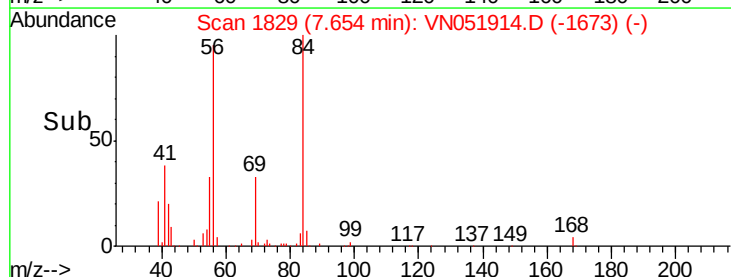
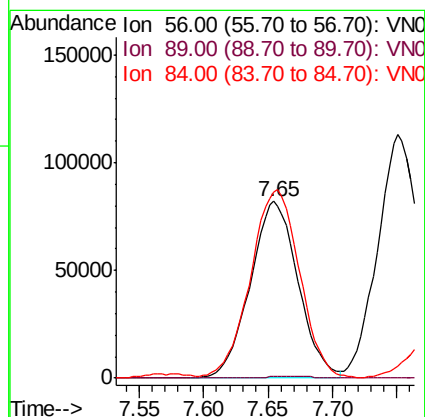
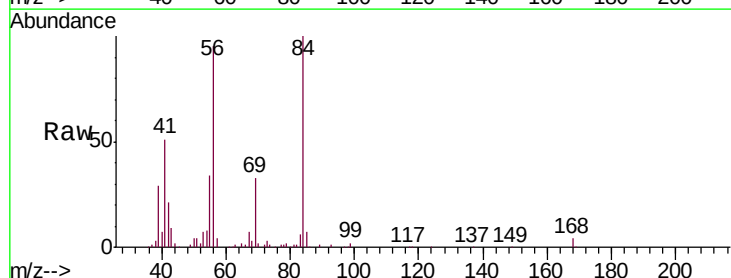
Tgt Ion: 56 Resp: 212225

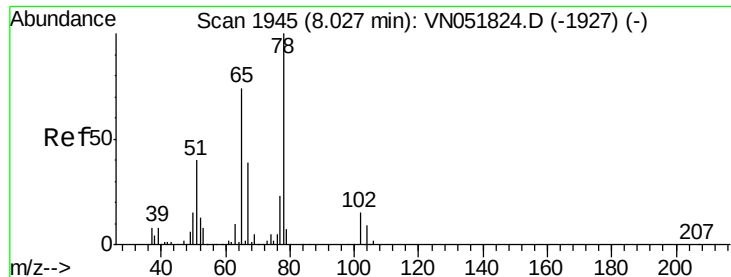
Ion Ratio Lower Upper

56 100

89 0.9 1.5 2.3#

84 108.4 64.2 96.4#

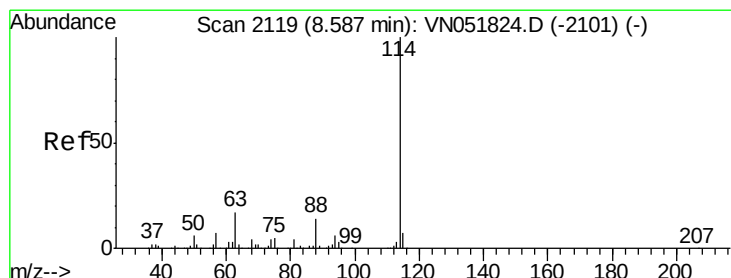
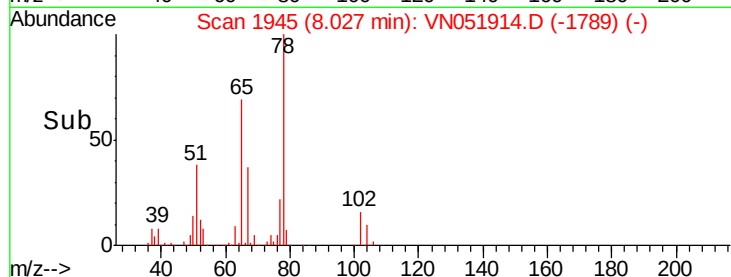
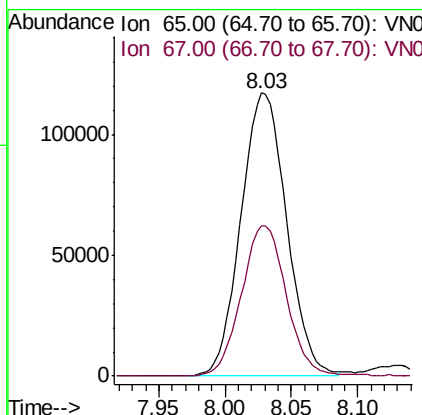
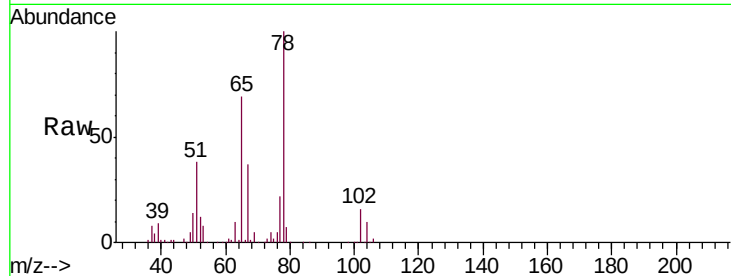




#27
 1,2-Dichloroethane-d4
 Concen: 18.776 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

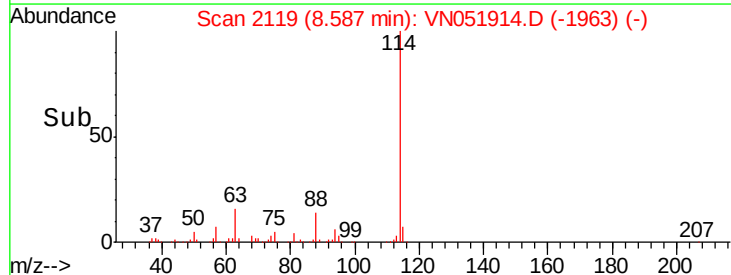
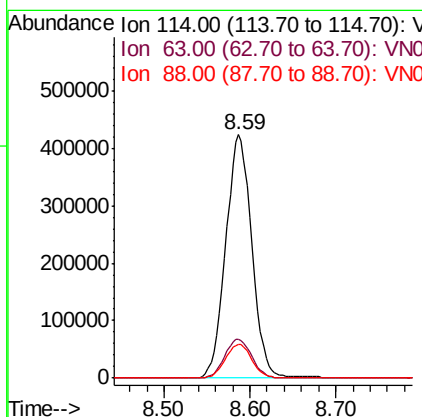
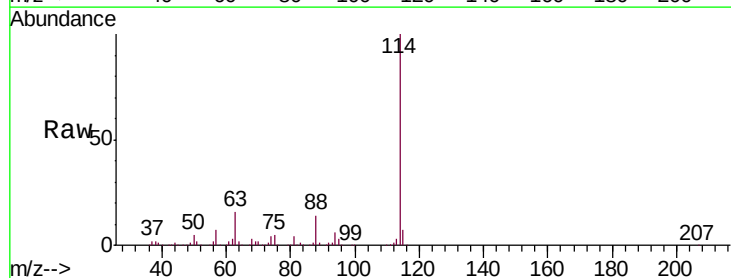
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

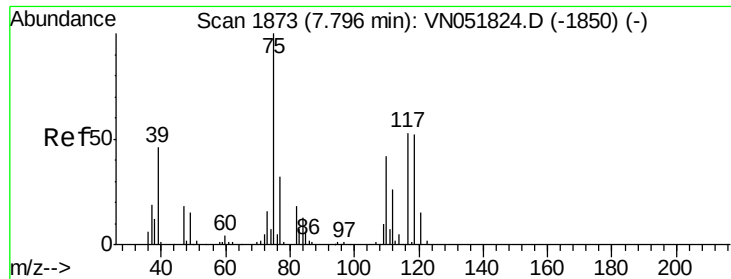
Tgt Ion: 65 Resp: 281070
 Ion Ratio Lower Upper
 65 100
 67 51.9 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 114 Resp: 893972
 Ion Ratio Lower Upper
 114 100
 63 16.4 16.2 24.2
 88 14.0 12.2 18.4

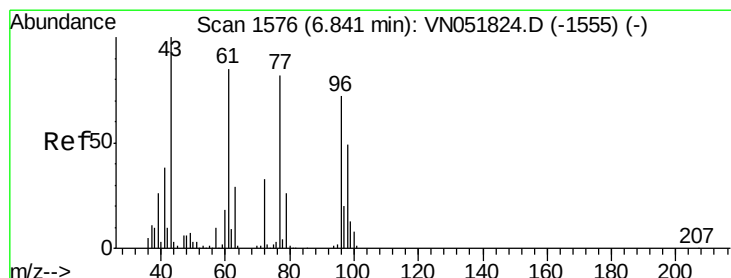
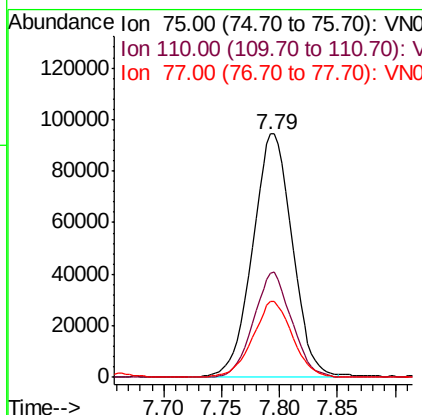
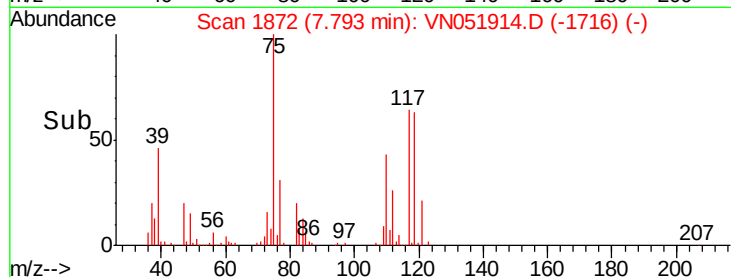
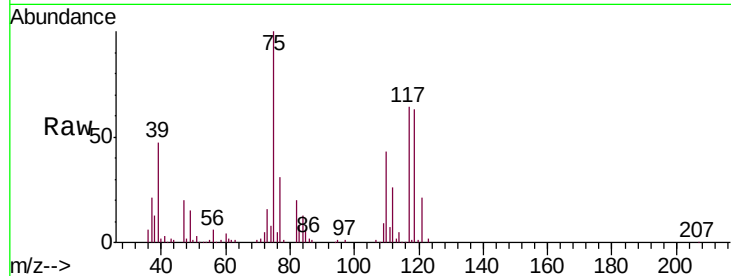




#29
 1,1-Dichloropropene
 Concen: 19.457 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

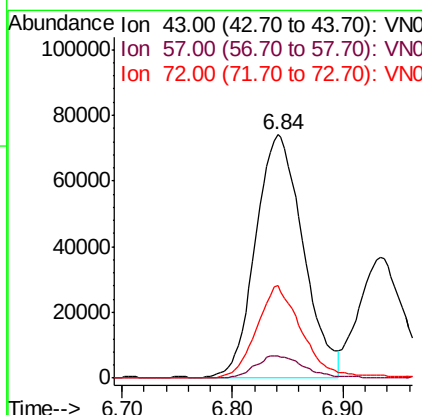
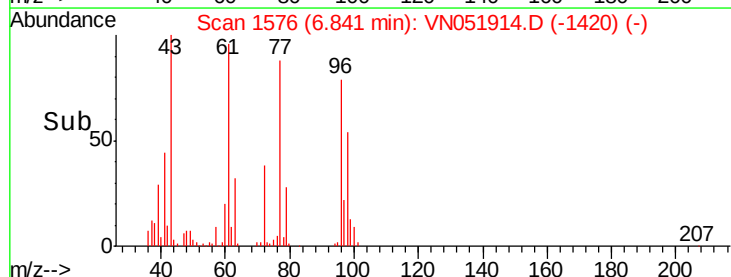
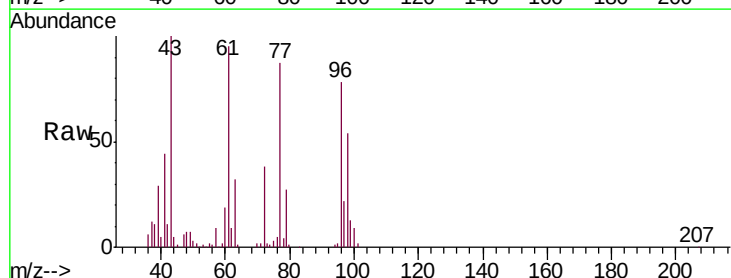
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

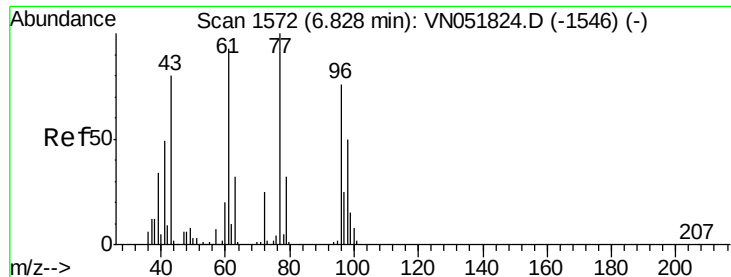
Tgt Ion: 75 Resp: 224210
 Ion Ratio Lower Upper
 75 100
 110 41.3 0.0 70.8
 77 31.3 0.0 61.6



#30
 2-Butanone
 Concen: 91.982 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 43 Resp: 221541
 Ion Ratio Lower Upper
 43 100
 57 9.2 4.5 6.7#
 72 35.7 21.5 32.3#

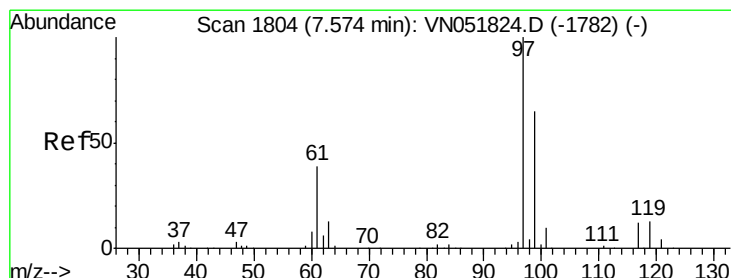
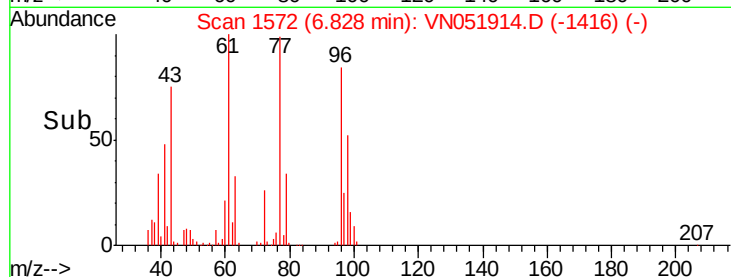
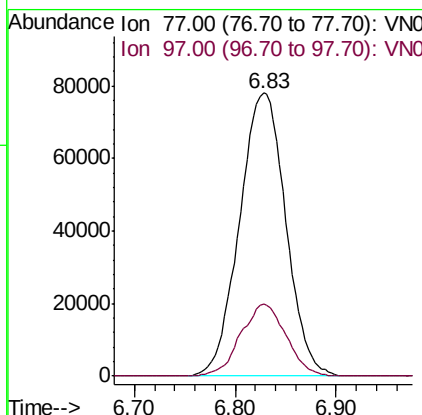
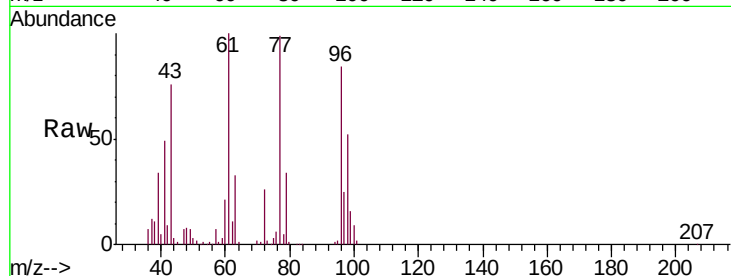




#31
 2,2-Dichloropropane
 Concen: 18.312 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

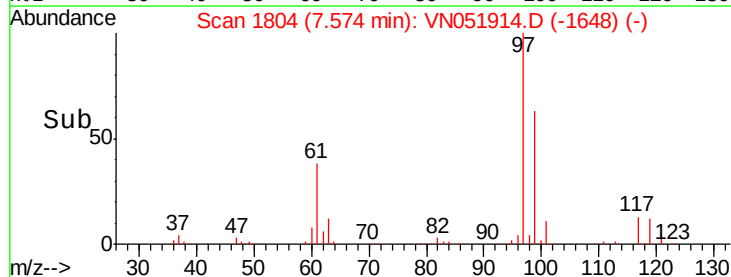
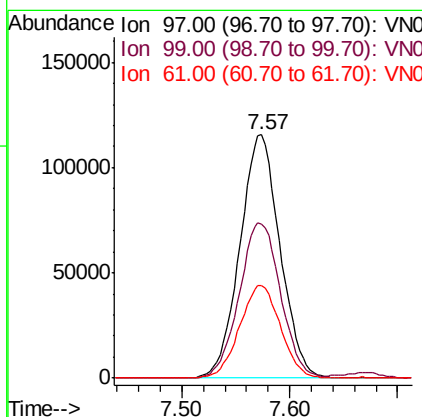
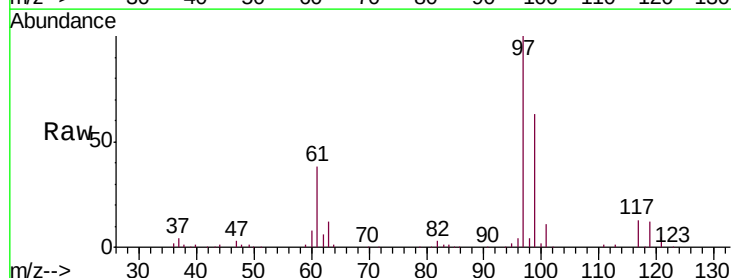
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

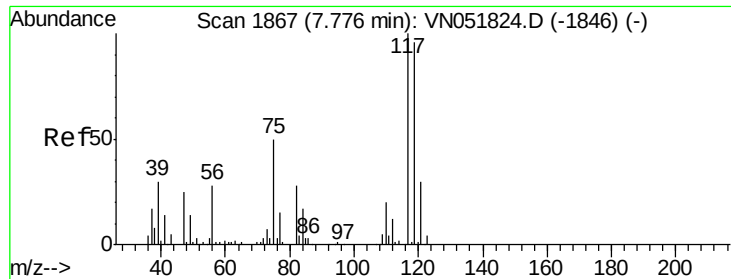
Tgt Ion: 77 Resp: 248243
 Ion Ratio Lower Upper
 77 100
 97 24.9 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 19.522 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 97 Resp: 298242
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.6 77.4
 61 38.7 37.4 56.0

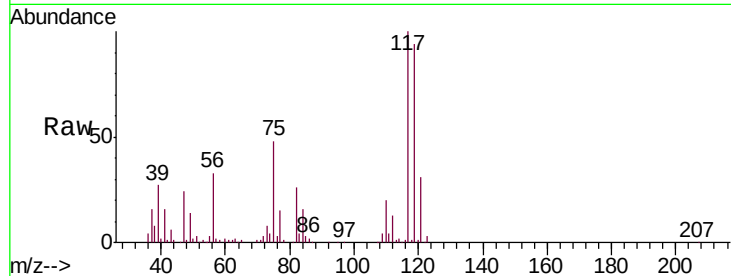




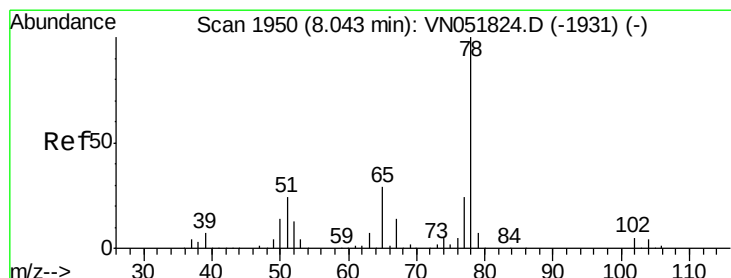
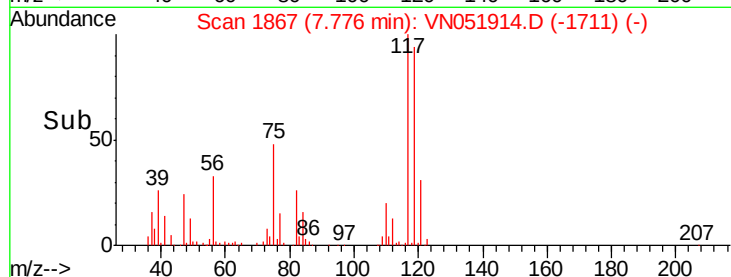
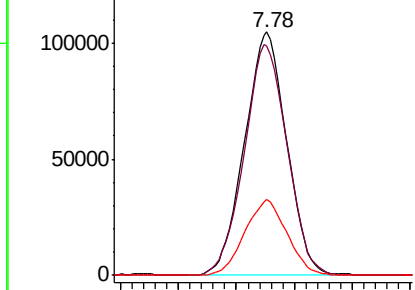
#33
Carbon Tetrachloride
Concen: 19.147 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Instrument :
MSVOA_N
ClientSampled :
VN1018WBSD01

Tgt Ion: 117 Resp: 264647
Ion Ratio Lower Upper
117 100
119 94.3 85.1 127.7
121 31.2 24.2 36.2

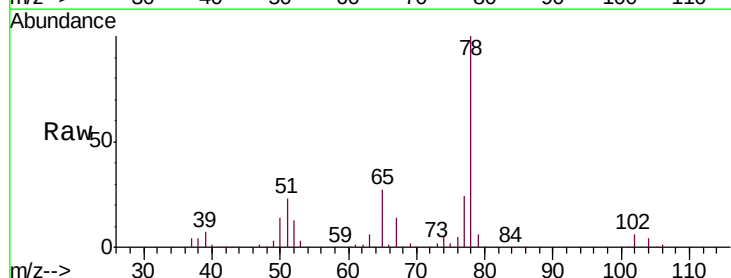


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

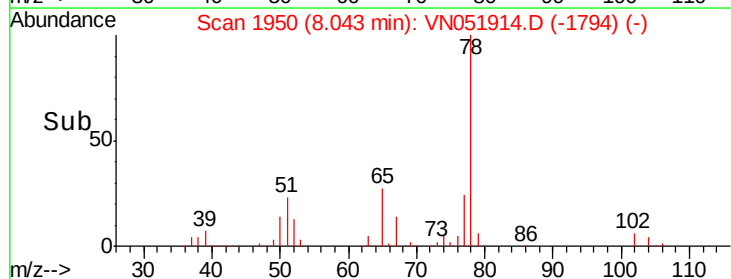
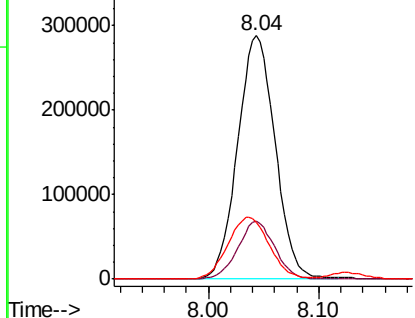


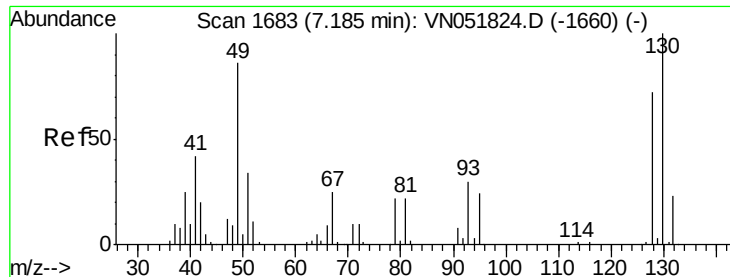
#34
Benzene
Concen: 19.955 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 78 Resp: 680175
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
51 23.0 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





#35

Methacrylonitrile

Concen: 44.473 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.02 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion: 41 Resp: 140728

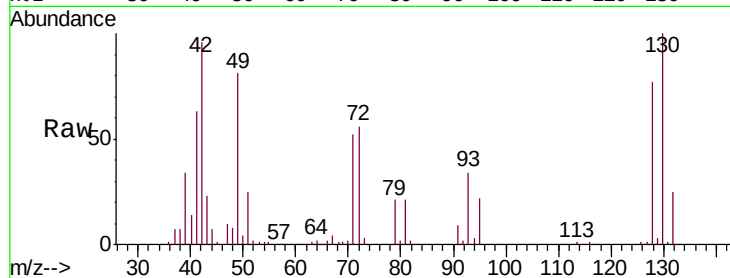
Ion Ratio Lower Upper

41 100

39 54.3 22.6 67.7

67 7.1 28.9 86.8#

52 2.3 11.3 33.9#



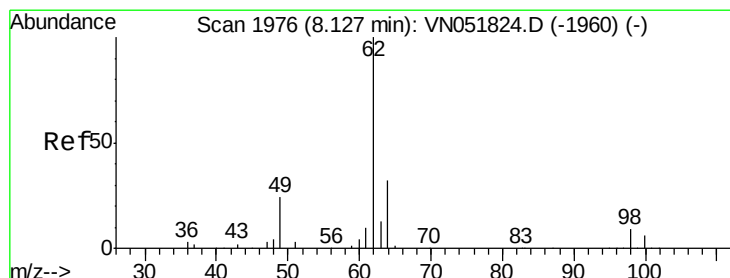
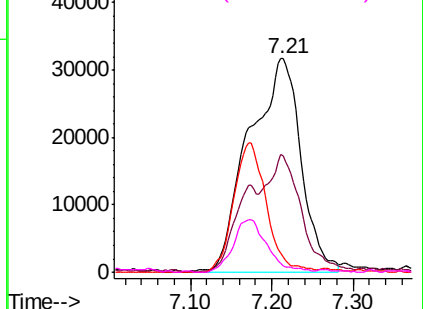
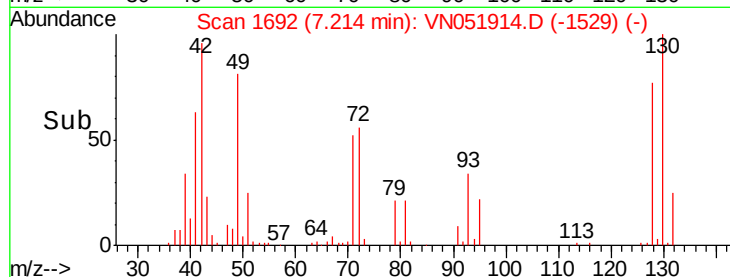
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#36

1,2-Dichloroethane

Concen: 19.812 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051914.D

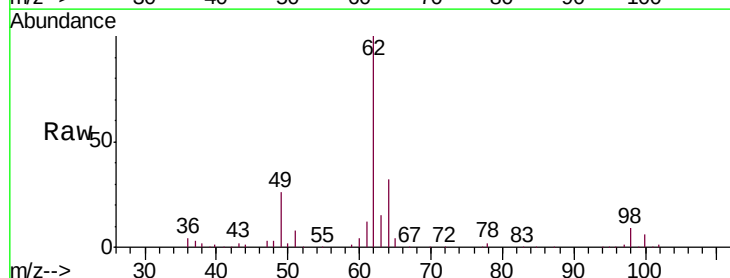
Acq: 18 Oct 2018 14:14

Tgt Ion: 62 Resp: 216386

Ion Ratio Lower Upper

62 100

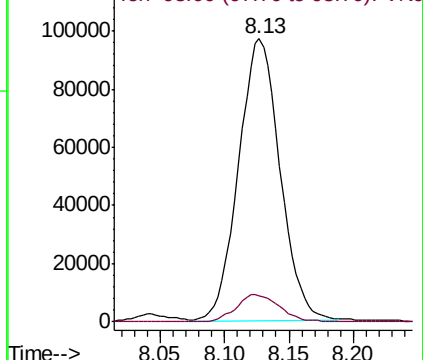
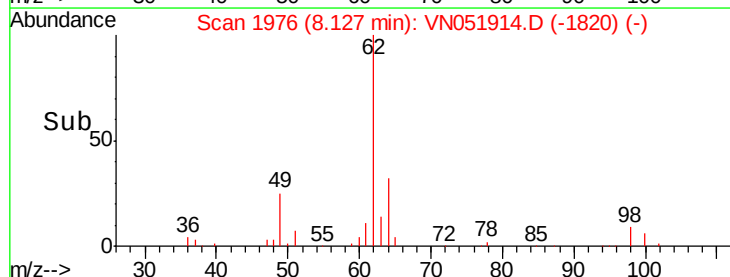
98 10.1 6.9 10.3

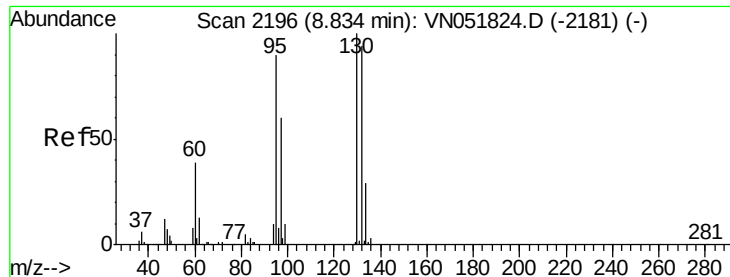


Abundance

Ion 62.00 (61.70 to 62.70): VNC

Ion 98.00 (97.70 to 98.70): VNC

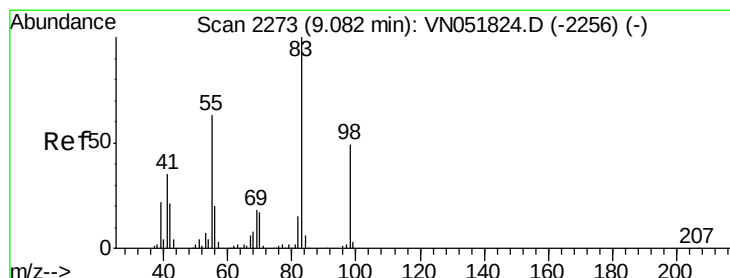
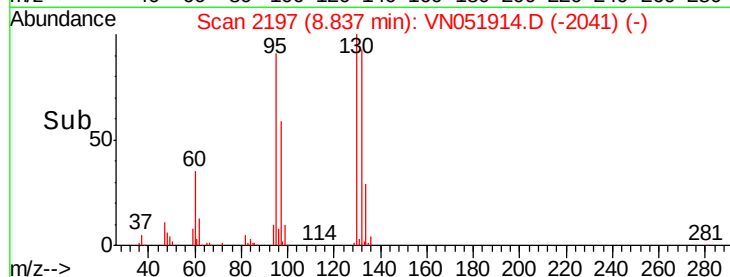
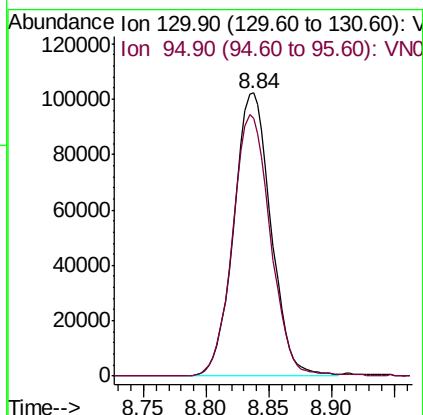
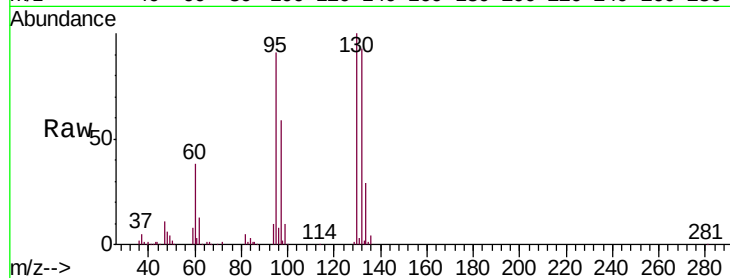




#37
 Trichloroethene
 Concen: 19.951 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

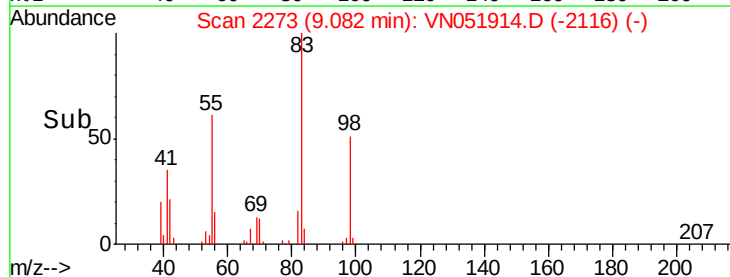
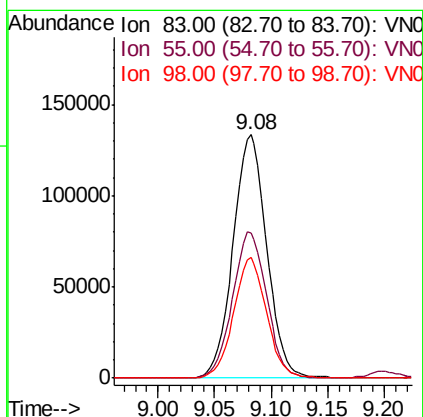
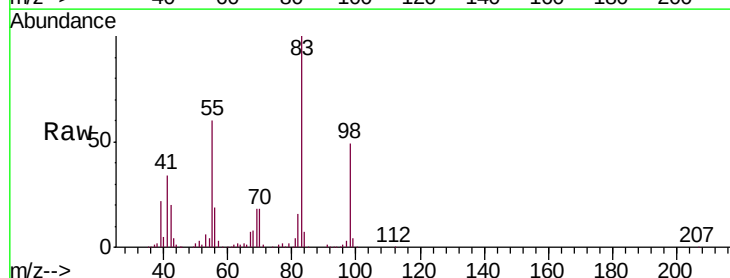
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

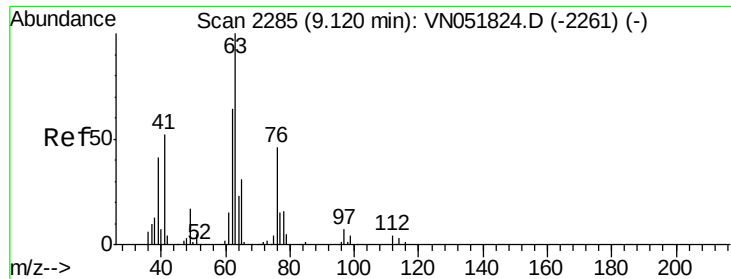
Tgt Ion: 130 Resp: 211106
 Ion Ratio Lower Upper
 130 100
 95 90.8 76.4 114.6



#38
 Methylcyclohexane
 Concen: 18.727 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 83 Resp: 276786
 Ion Ratio Lower Upper
 83 100
 55 61.0 43.0 129.2
 98 48.5 21.3 63.7





#39

1,2-Dichloropropane

Concen: 19.692 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

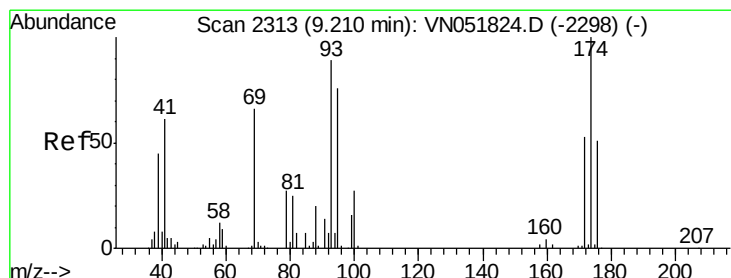
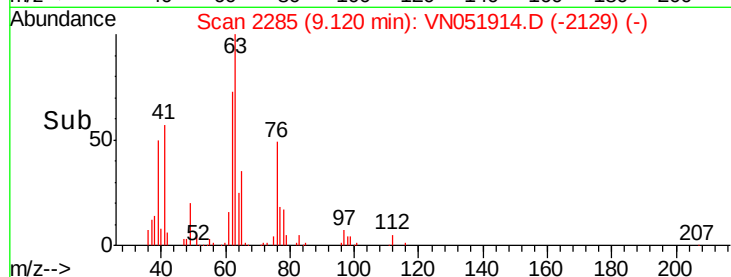
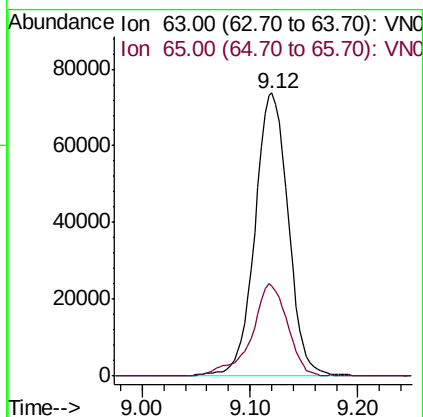
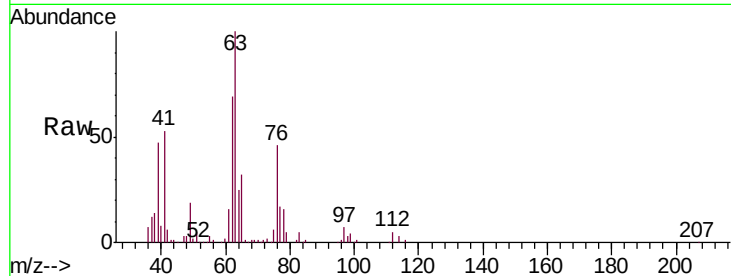
VN1018WBSD01

Tgt Ion: 63 Resp: 158075

Ion Ratio Lower Upper

63 100

65 31.8 23.2 34.8



#40

Dibromomethane

Concen: 19.789 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

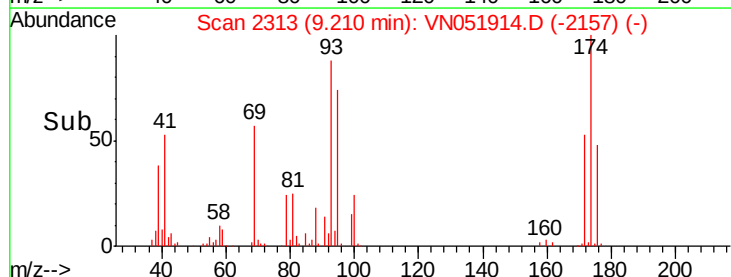
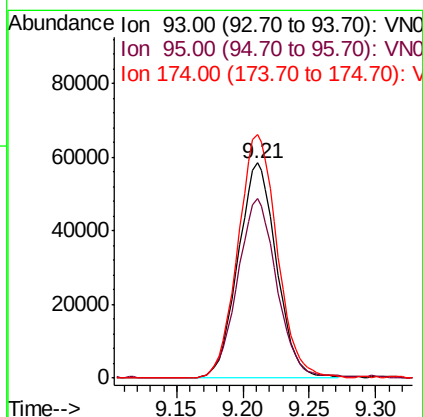
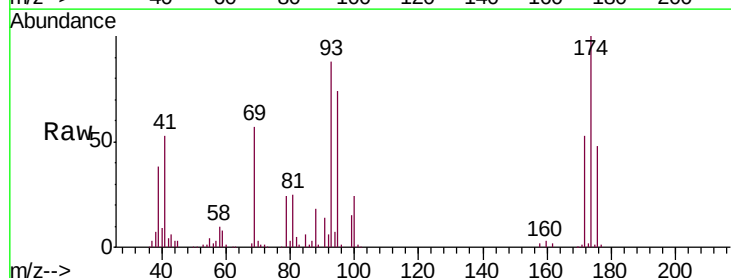
Tgt Ion: 93 Resp: 117895

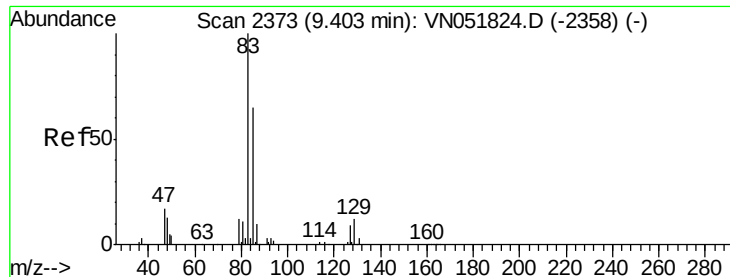
Ion Ratio Lower Upper

93 100

95 85.7 0.0 162.0

174 115.4 0.0 214.0





#41

Bromodichloromethane

Concen: 19.361 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

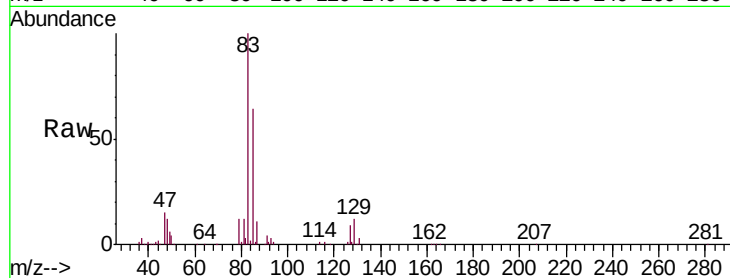
Tgt Ion: 83 Resp: 238255

Ion Ratio Lower Upper

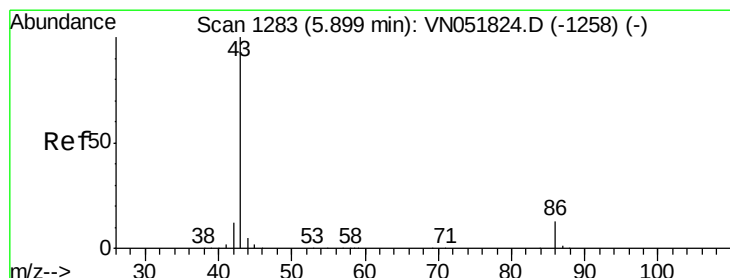
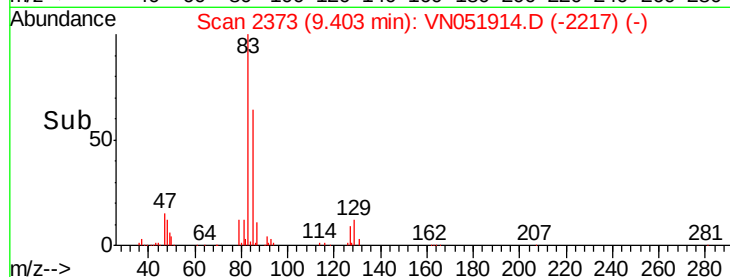
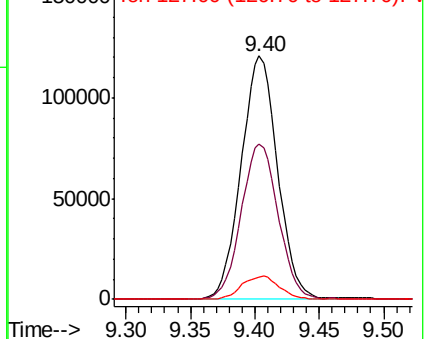
83 100

85 63.9 55.7 83.5

127 9.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 91.772 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051914.D

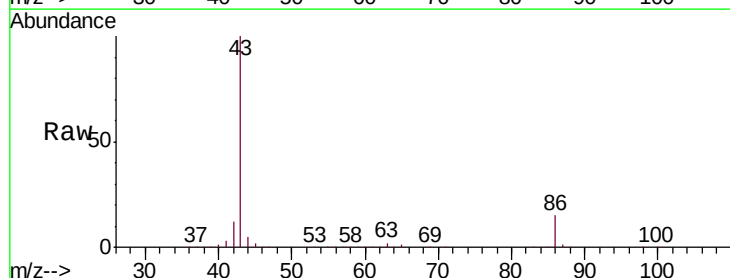
Acq: 18 Oct 2018 14:14

Tgt Ion: 43 Resp: 1244279

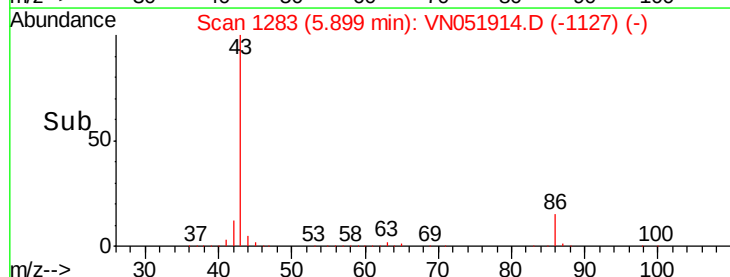
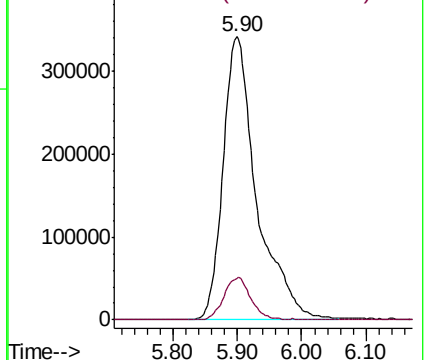
Ion Ratio Lower Upper

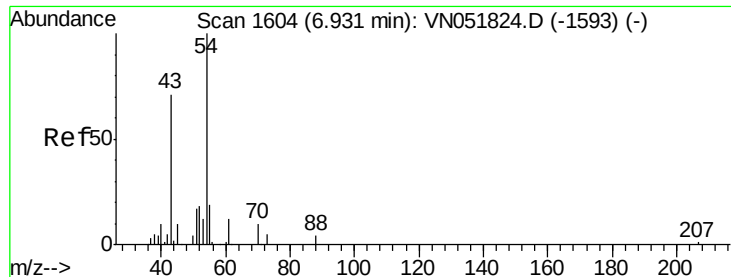
43 100

86 12.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

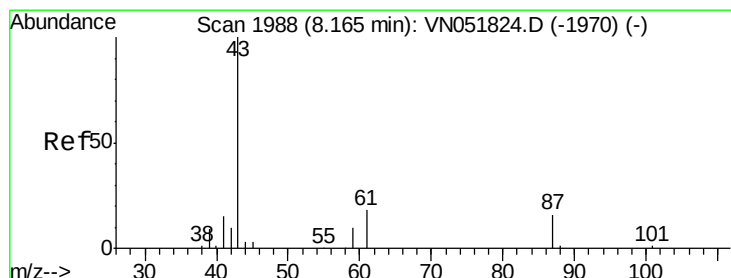
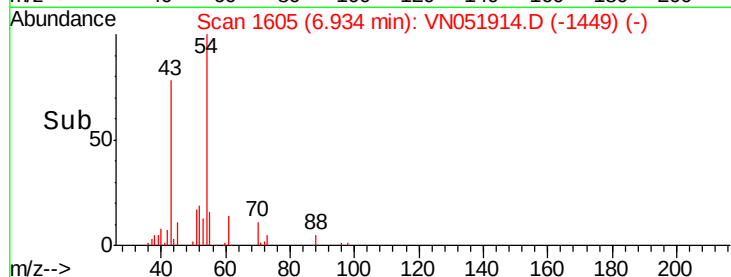
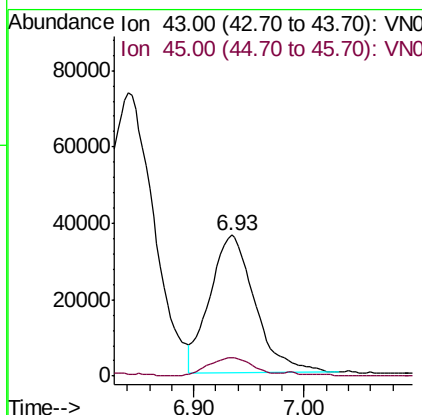
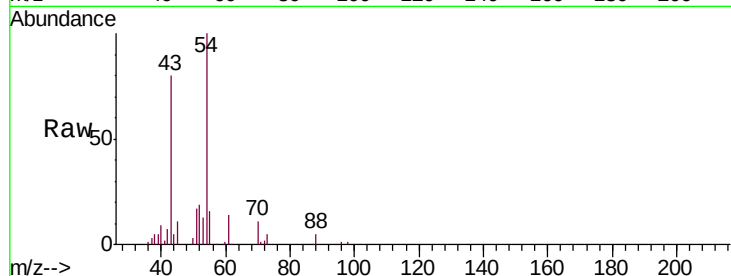




#43
 Ethyl Acetate
 Concen: 19.671 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

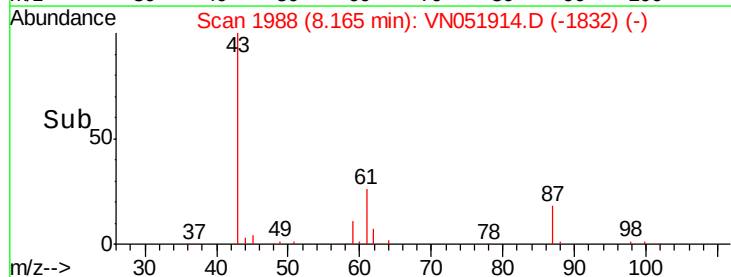
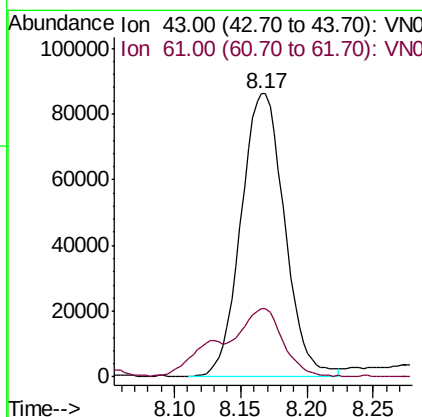
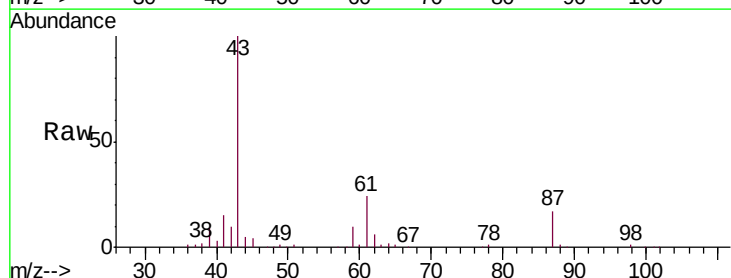
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

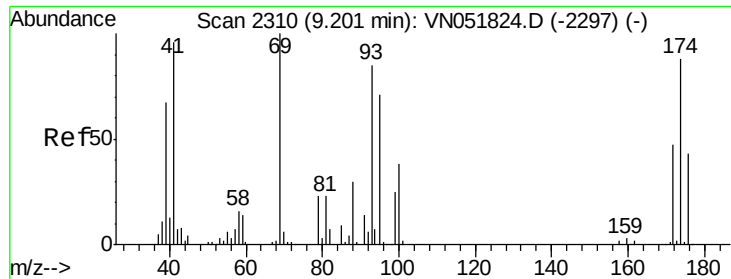
Tgt Ion: 43 Resp: 102873
 Ion Ratio Lower Upper
 43 100
 45 13.3 11.0 16.6



#44
 Isopropyl Acetate
 Concen: 18.728 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 43 Resp: 195634
 Ion Ratio Lower Upper
 43 100
 61 22.4 15.9 23.9

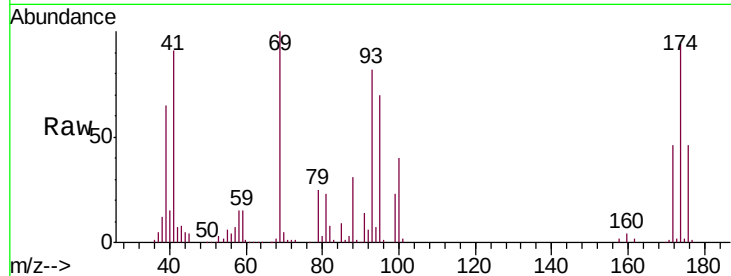




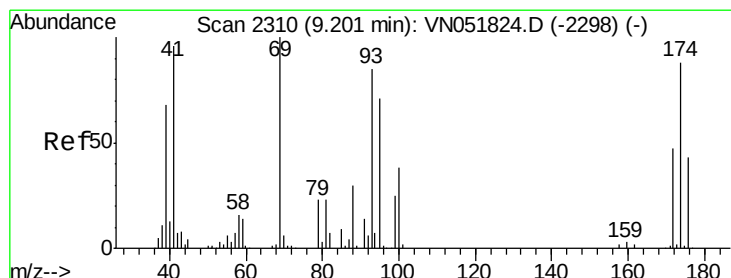
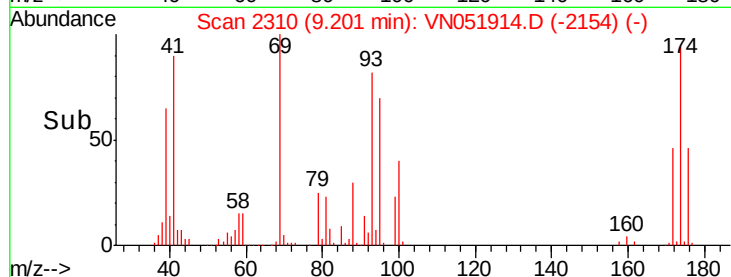
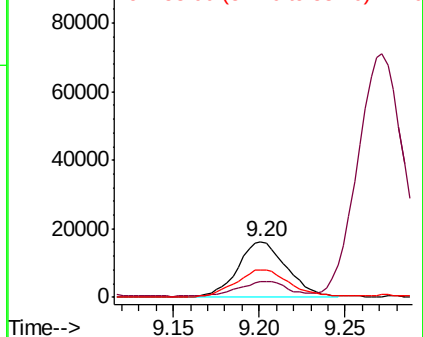
#45
 1,4-Dioxane
 Concen: 384.007 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tgt Ion: 88 Resp: 32209
 Ion Ratio Lower Upper
 88 100
 43 25.9 26.2 39.2#
 58 55.0 65.6 98.4#

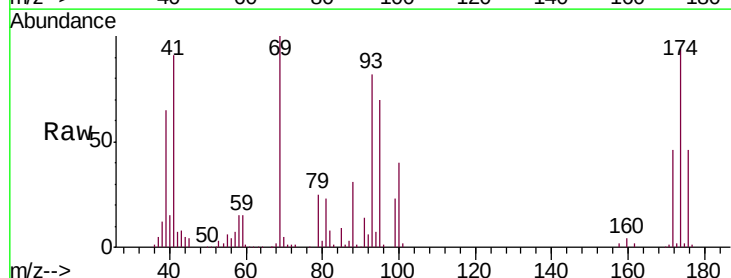


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

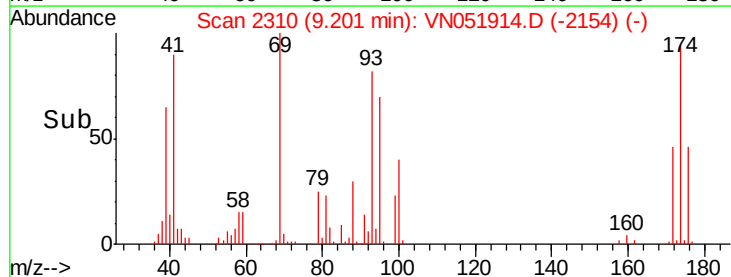
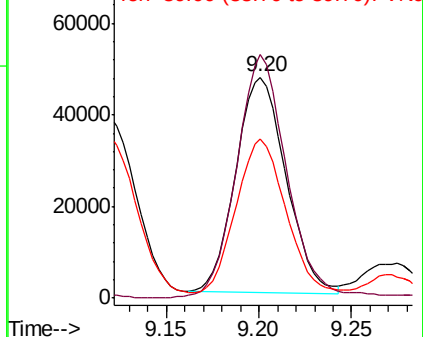


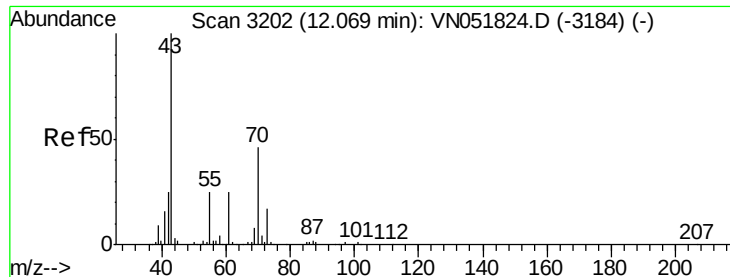
#46
 Methyl methacrylate
 Concen: 18.519 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 41 Resp: 89231
 Ion Ratio Lower Upper
 41 100
 69 112.4 40.7 122.1
 39 71.5 27.3 81.9



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

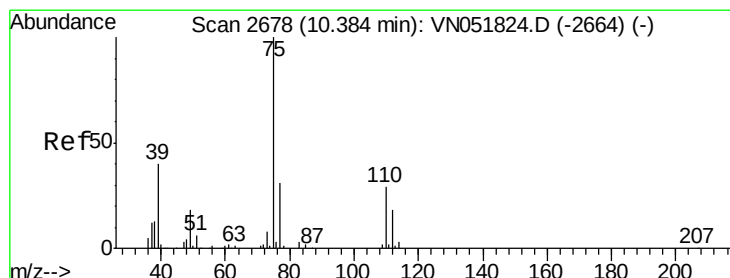
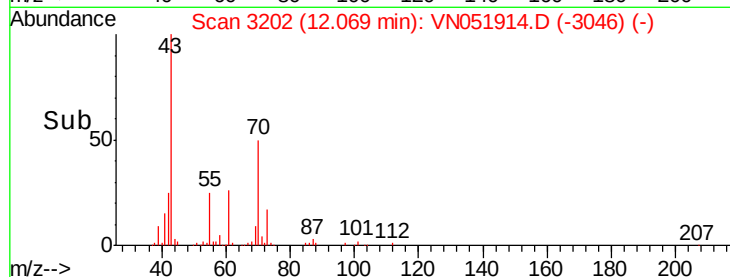
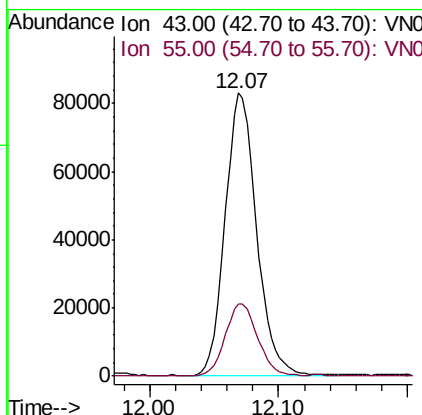
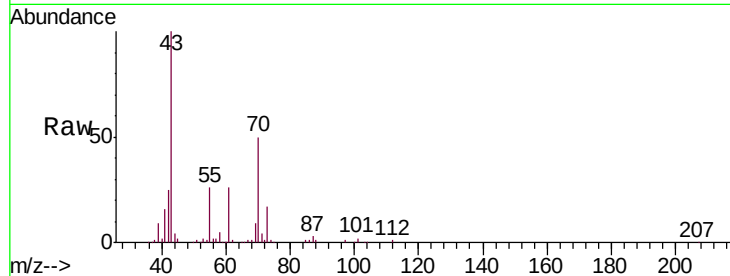




#47
n-amyl Acetate
Concen: 16.121 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

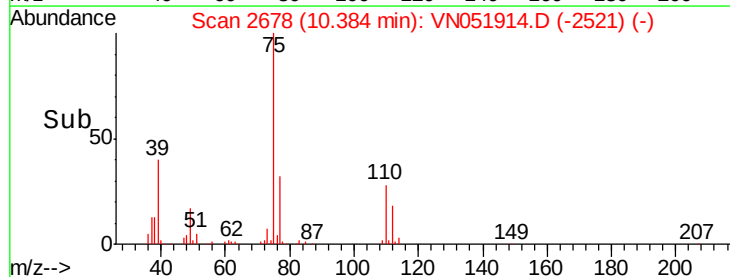
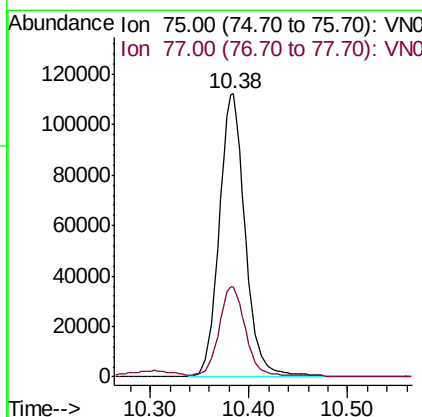
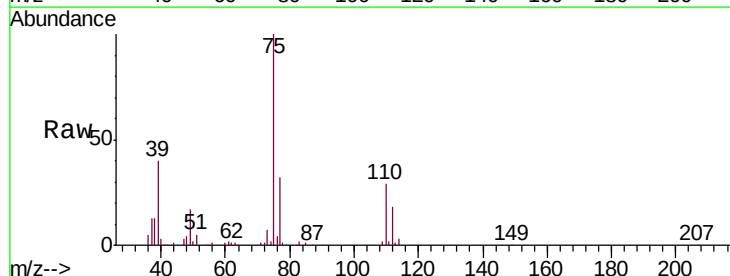
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

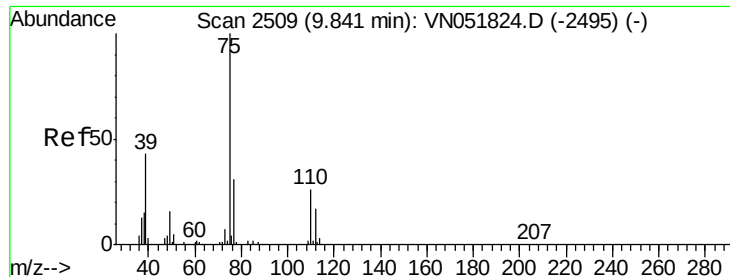
Tgt Ion: 43 Resp: 140971
Ion Ratio Lower Upper
43 100
55 26.3 12.2 18.4#



#48
t-1,3-Dichloropropene
Concen: 17.268 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 75 Resp: 207223
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0



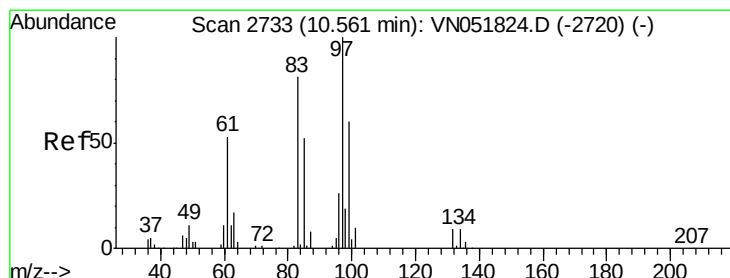
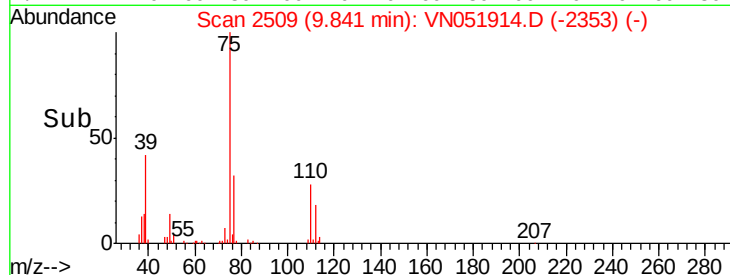
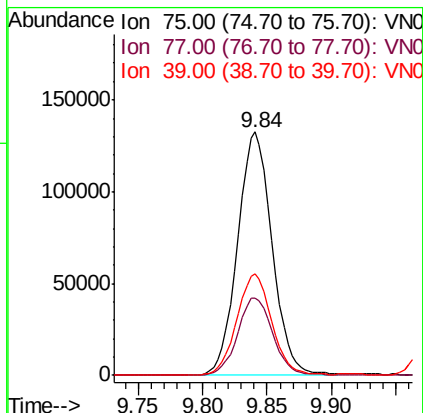
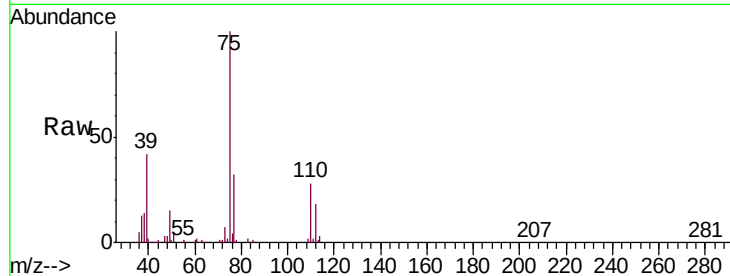


#49

cis-1,3-Dichloropropene
 Concen: 18.709 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN1018WBSD01

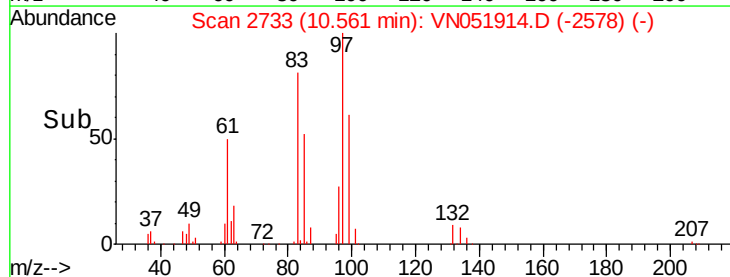
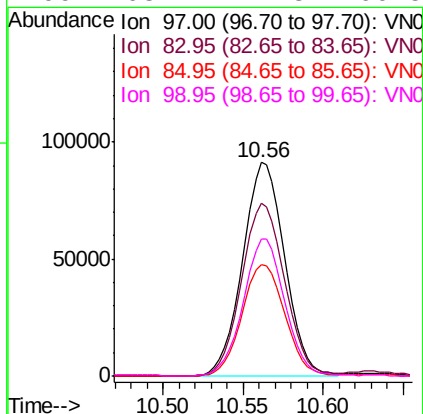
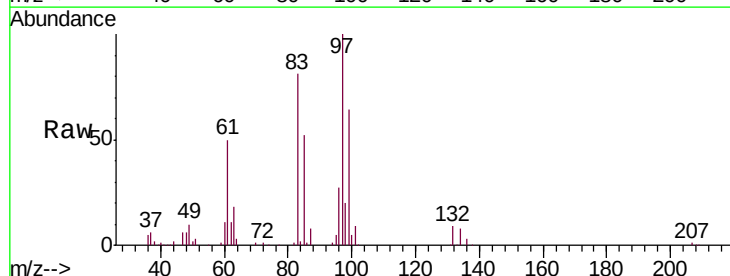
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	23.2	34.8
39	41.8	34.6	52.0

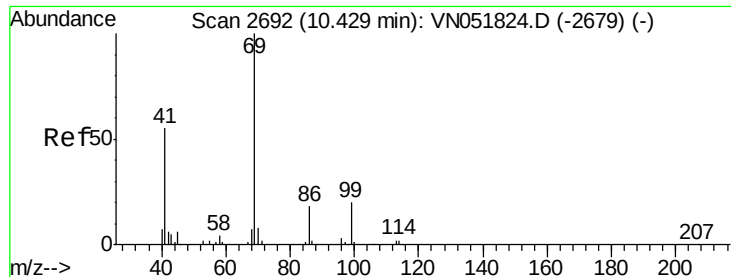


#50

1,1,2-Trichloroethane
 Concen: 19.934 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.0	68.2	102.4
85	52.4	42.5	63.7
99	63.7	44.3	66.5





#51

Ethyl methacrylate

Concen: 18.305 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

VN1018WBSD01

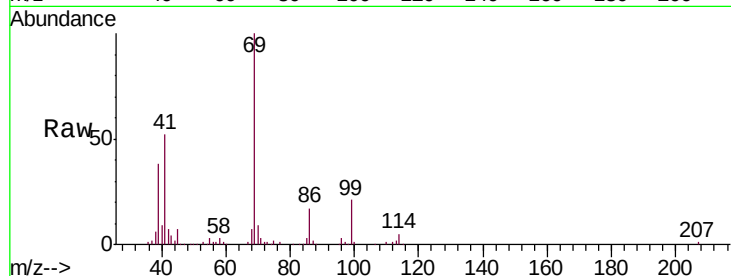
Tgt Ion: 69 Resp: 172504

Ion Ratio Lower Upper

69 100

41 51.7 34.4 103.1

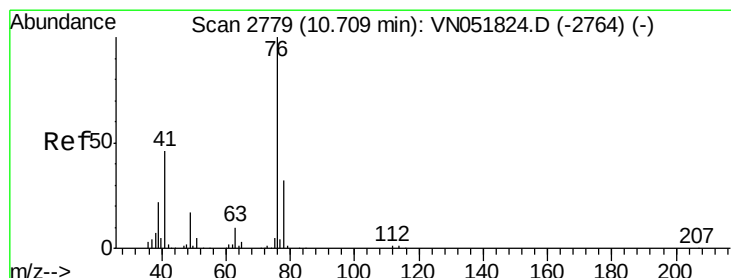
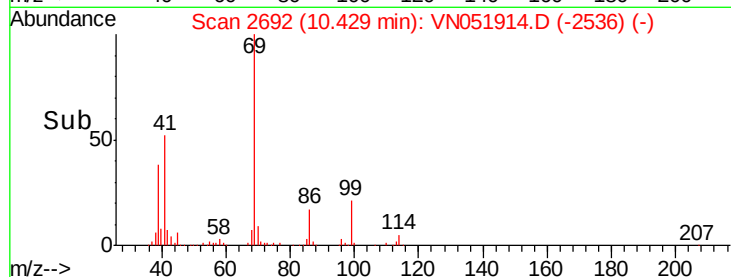
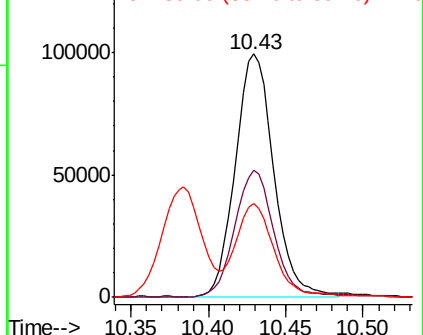
39 37.5 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.952 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051914.D

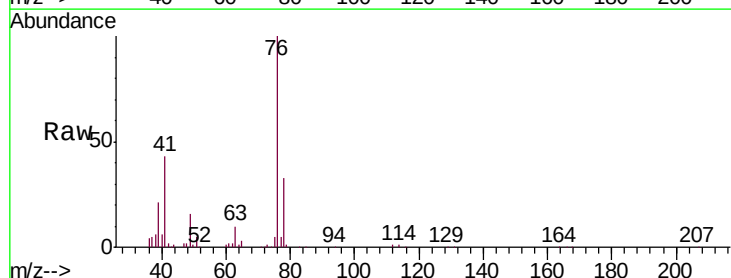
Acq: 18 Oct 2018 14:14

Tgt Ion: 76 Resp: 253486

Ion Ratio Lower Upper

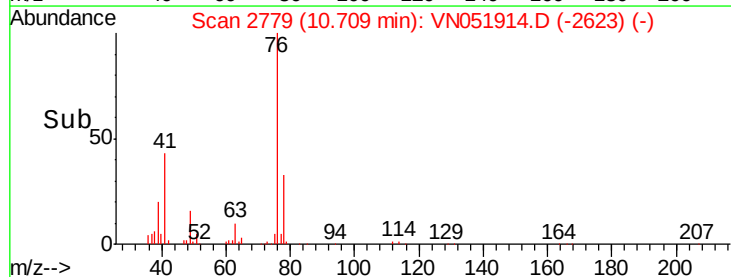
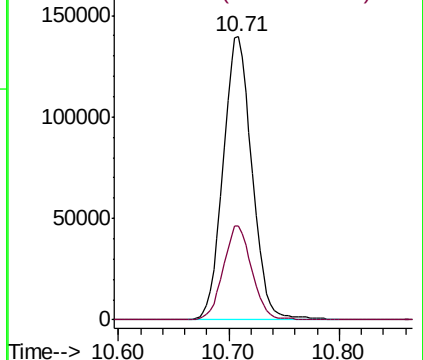
76 100

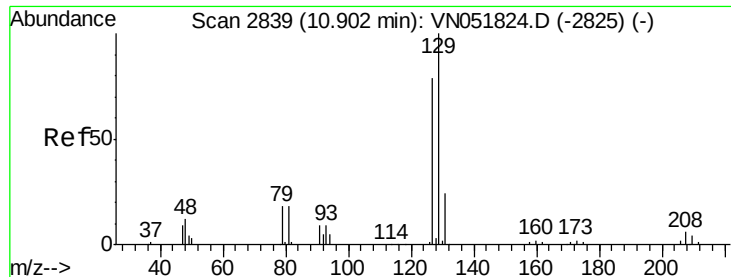
78 32.5 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.964 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

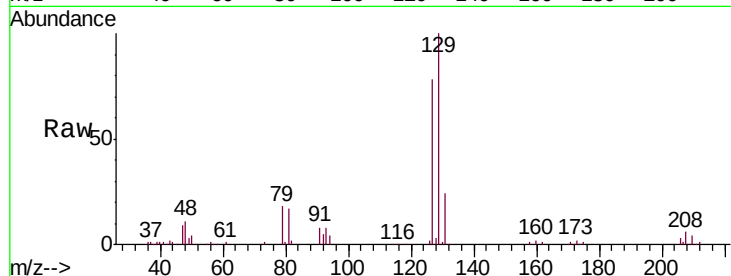
VN1018WBSD01

Tgt Ion:129 Resp: 182936

Ion Ratio Lower Upper

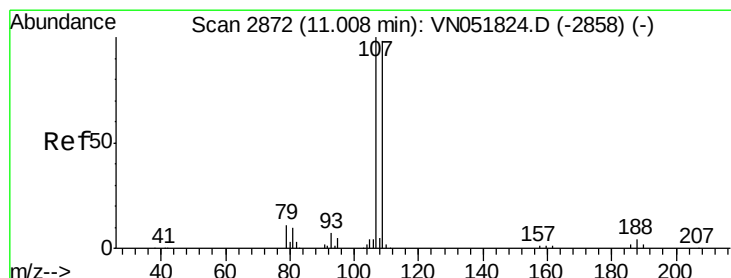
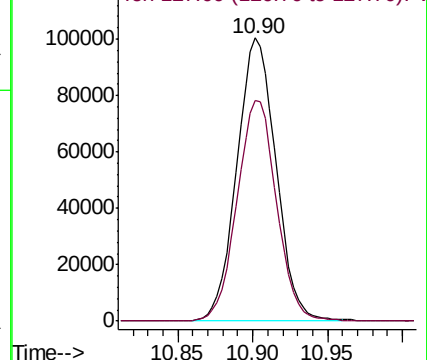
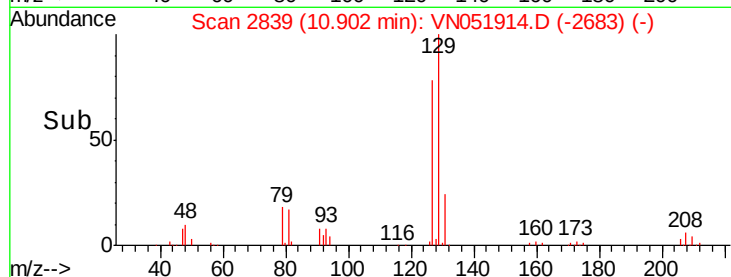
129 100

127 78.6 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.439 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051914.D

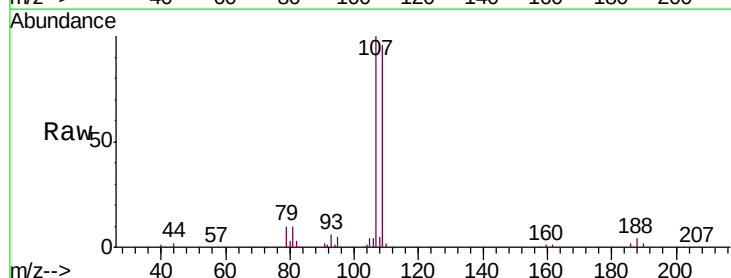
Acq: 18 Oct 2018 14:14

Tgt Ion:107 Resp: 167955

Ion Ratio Lower Upper

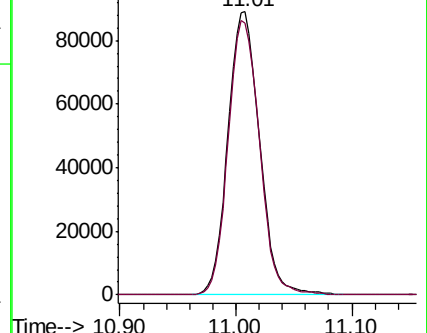
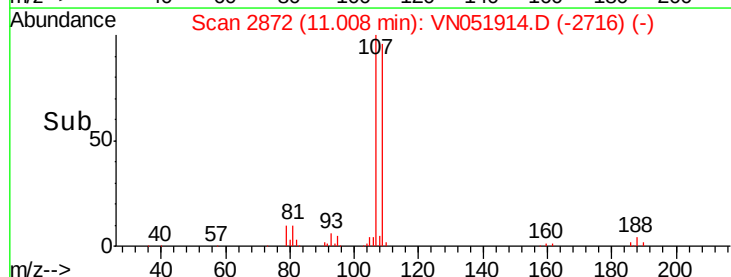
107 100

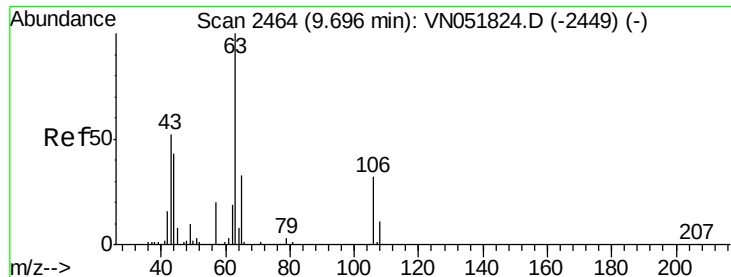
109 96.1 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

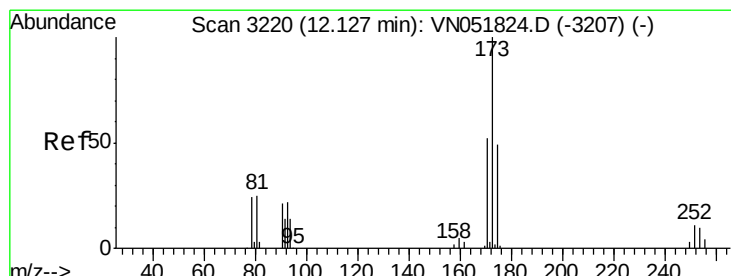
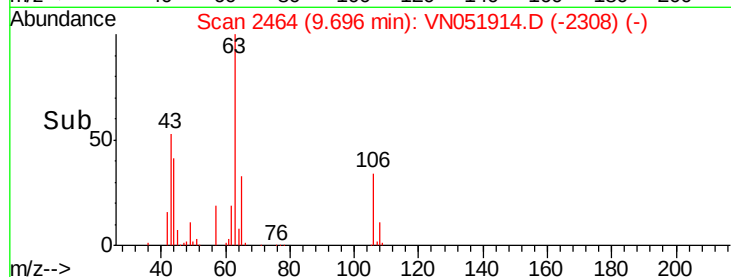
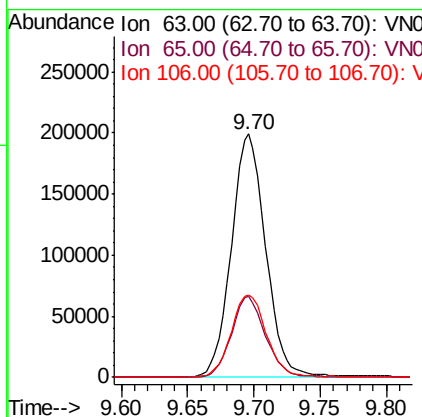
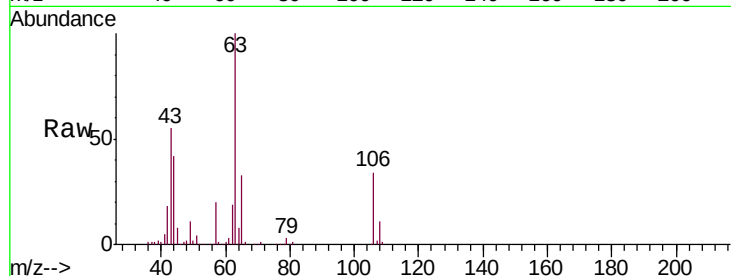




#55
 2-Chloroethyl vinyl ether
 Concen: 88.979 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

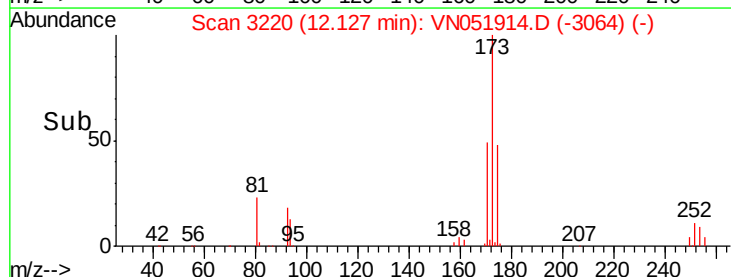
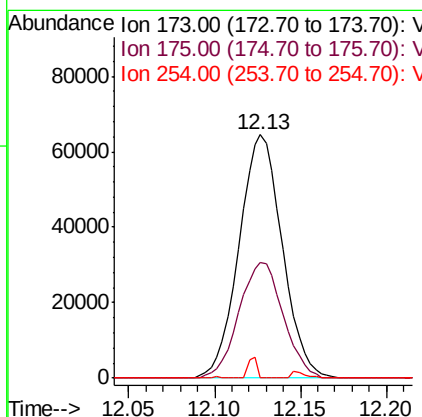
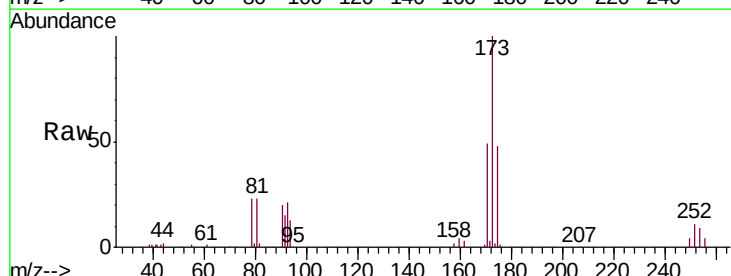
Instrument :
 MSVOA_N
 ClientSampled :
 VN1018WBSD01

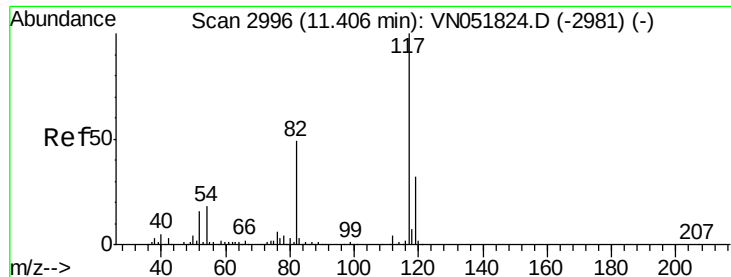
Tgt Ion: 63 Resp: 358473
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.4 38.0
 106 34.8 21.2 31.8#



#56
 Bromoform
 Concen: 16.782 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 173 Resp: 112707
 Ion Ratio Lower Upper
 173 100
 175 48.6 35.8 53.8
 254 1.8 8.6 13.0#

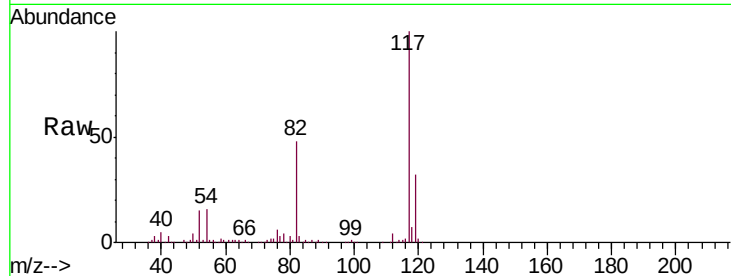




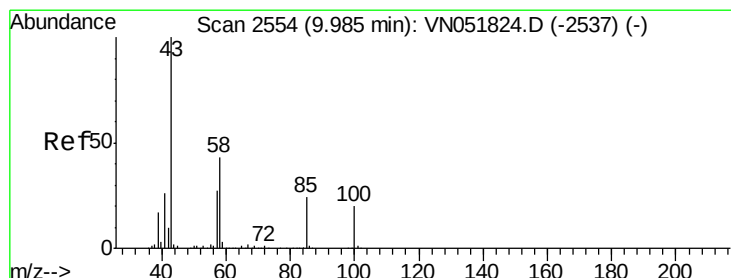
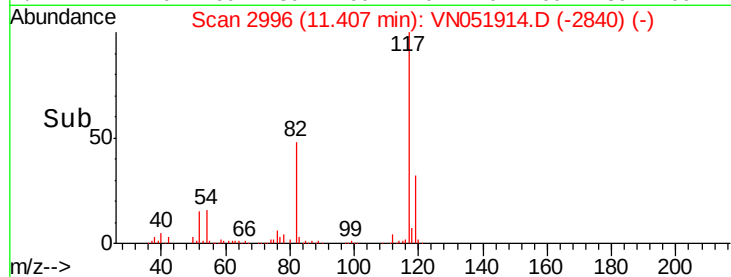
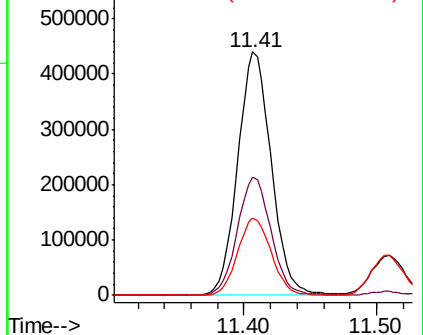
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.5	44.1	66.1
119	31.8	25.8	38.8

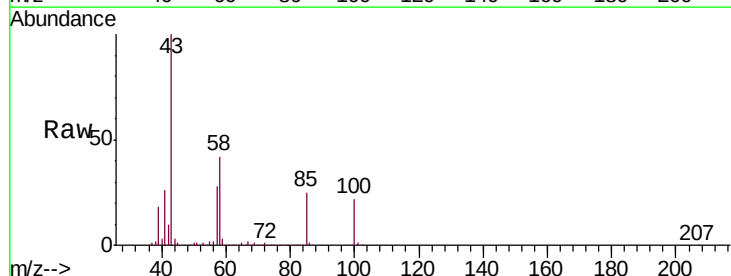


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

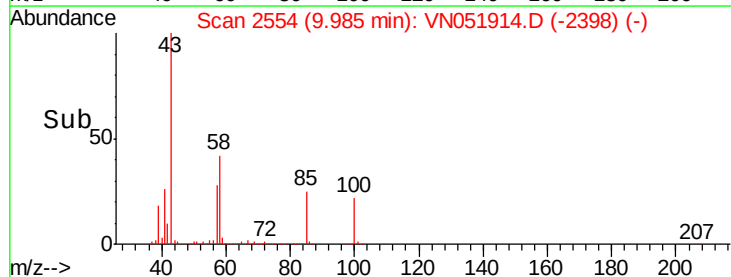
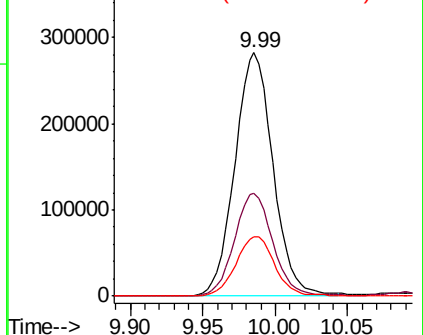


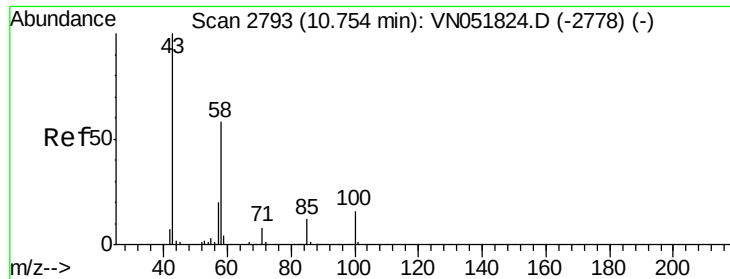
#58
4-Methyl-2-Pentanone
Concen: 98.903 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.5	29.3	43.9
85	25.1	12.6	18.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

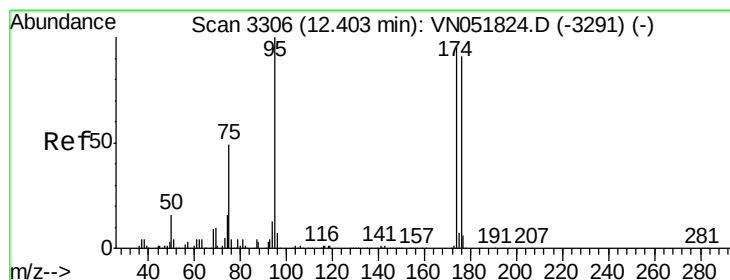
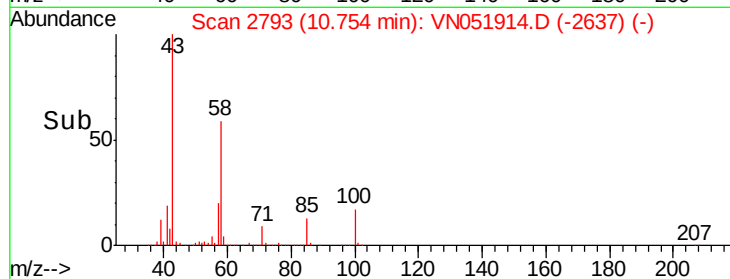
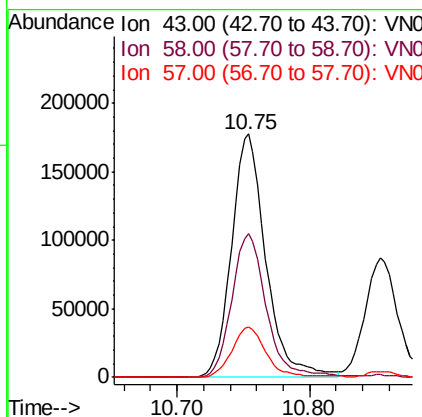
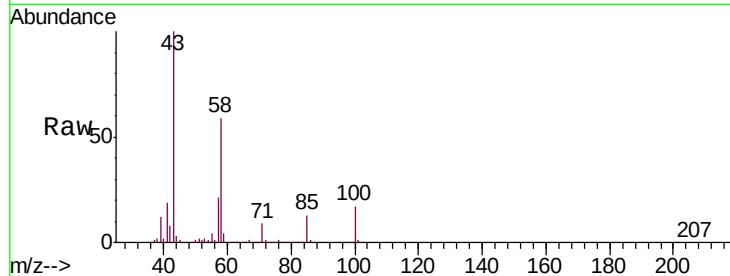




#59
2-Hexanone
Concen: 90.654 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

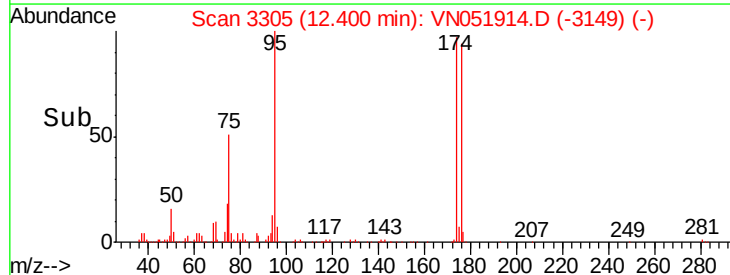
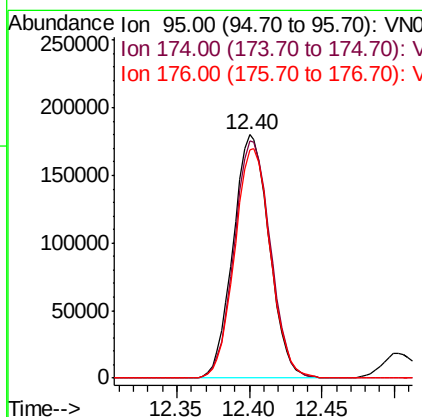
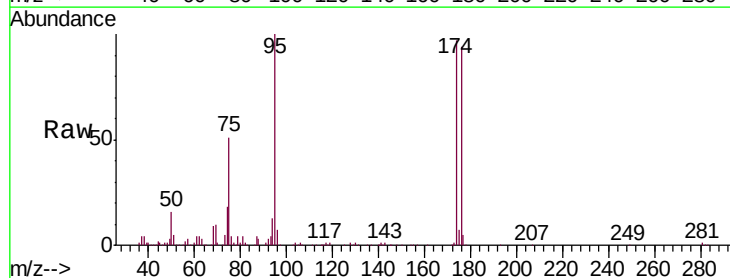
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

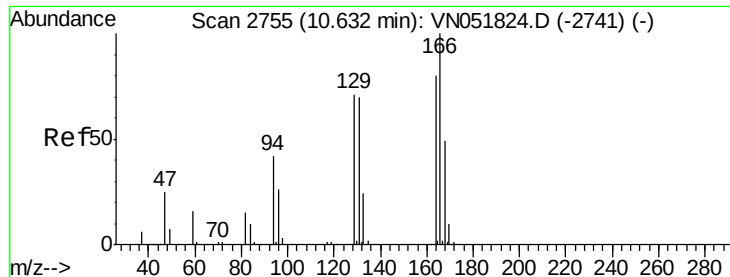
Tgt Ion: 43 Resp: 317819
Ion Ratio Lower Upper
43 100
58 59.7 41.3 61.9
57 20.7 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 90.654 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion: 95 Resp: 311644
Ion Ratio Lower Upper
95 100
174 97.9 73.5 110.3
176 93.7 70.2 105.2





#61

Tetrachloroethene

Concen: 21.418 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion:164 Resp: 212701

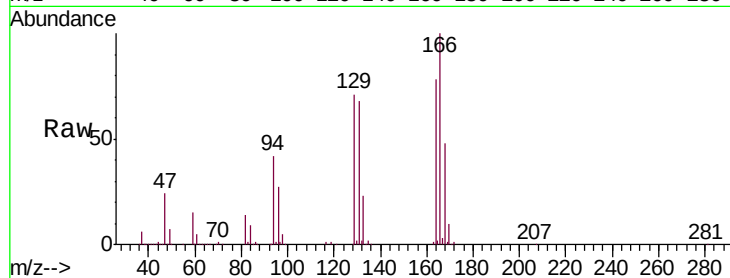
Ion Ratio Lower Upper

164 100

166 128.8 98.7 148.1

129 91.3 69.6 104.4

131 87.3 72.4 108.6

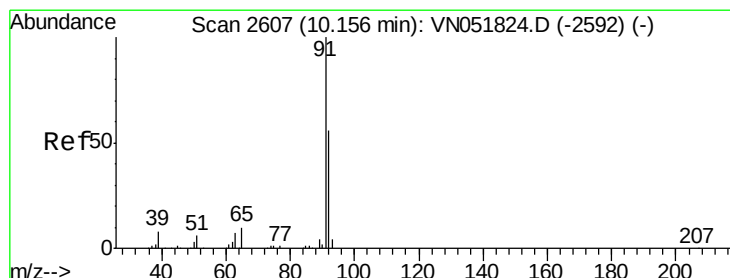
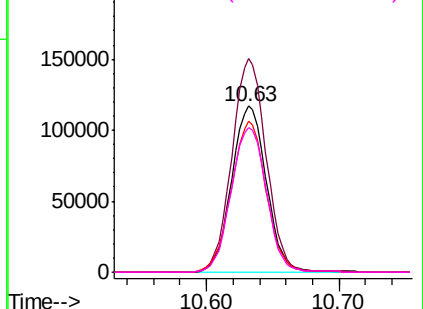
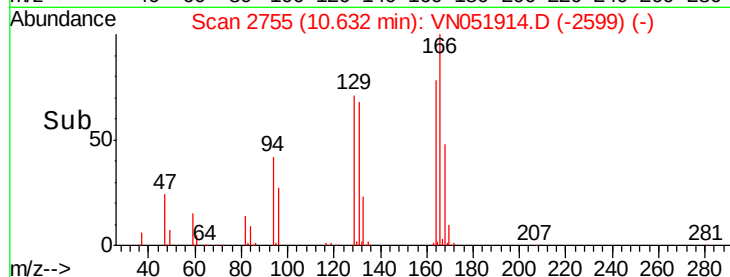


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.399 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051914.D

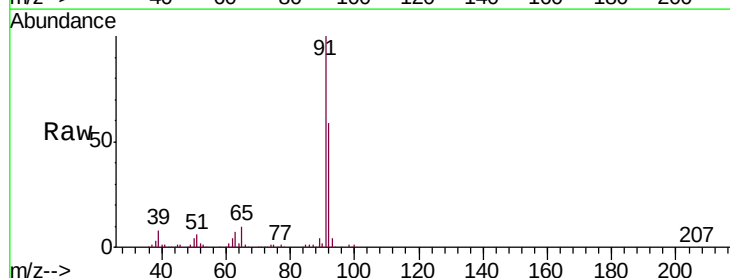
Acq: 18 Oct 2018 14:14

Tgt Ion: 91 Resp: 786945

Ion Ratio Lower Upper

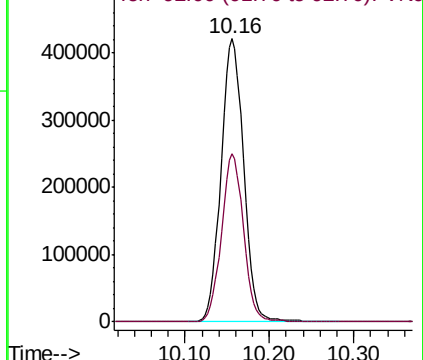
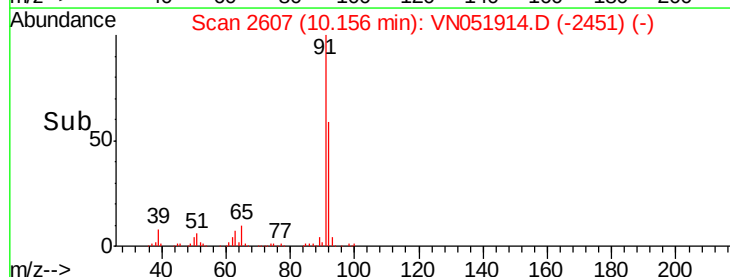
91 100

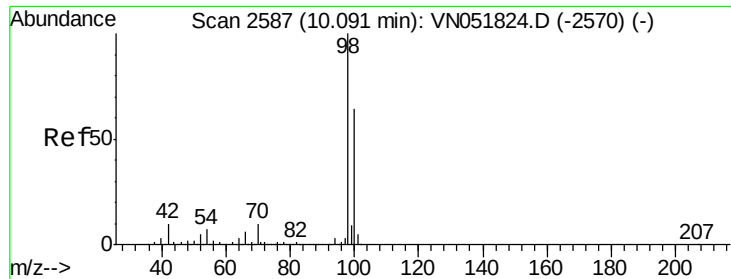
92 57.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.399 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

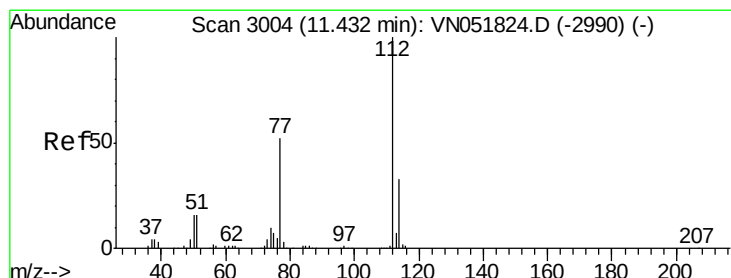
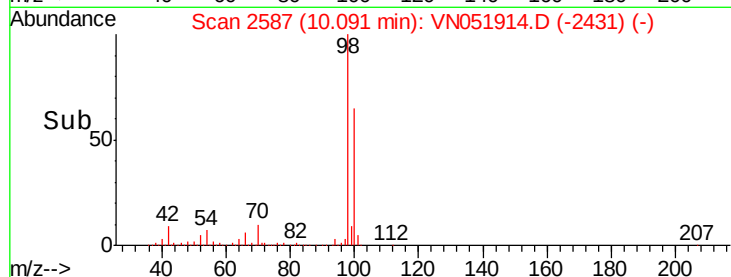
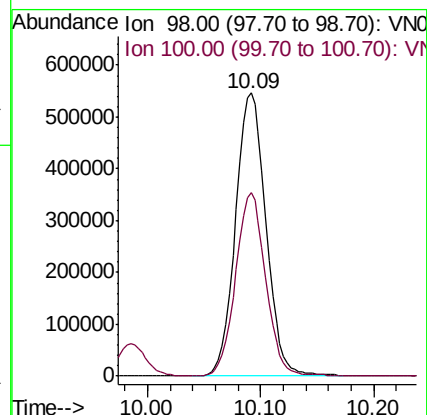
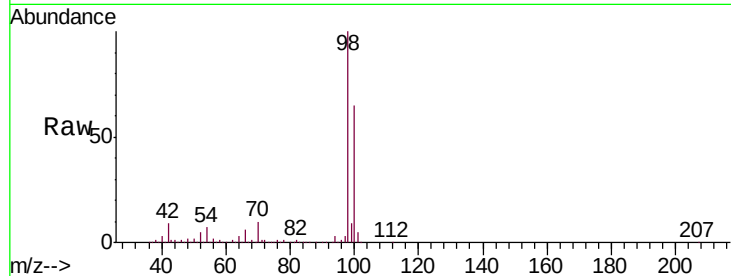
VN1018WBSD01

Tgt Ion: 98 Resp: 1025080

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2



#64

Chlorobenzene

Concen: 20.306 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051914.D

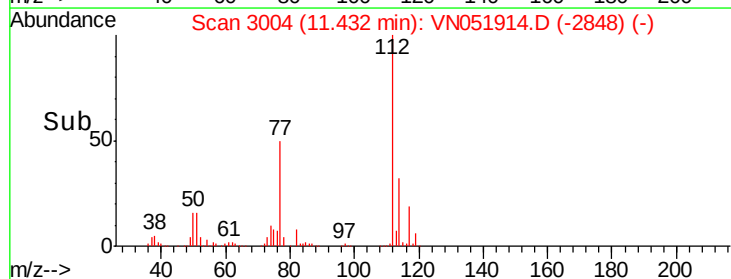
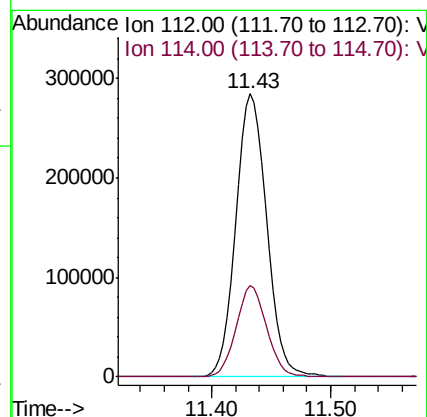
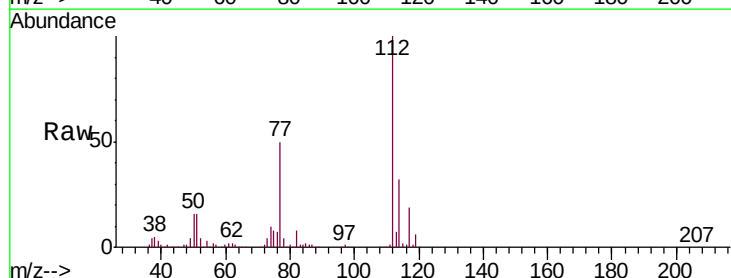
Acq: 18 Oct 2018 14:14

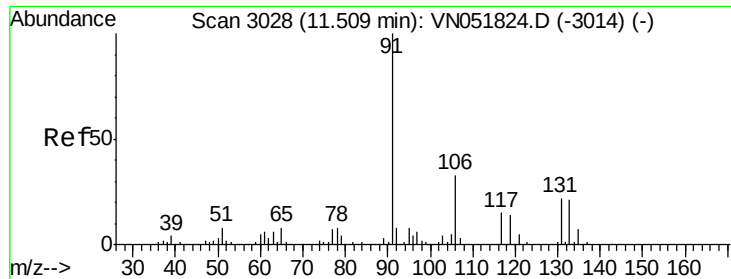
Tgt Ion: 112 Resp: 513037

Ion Ratio Lower Upper

112 100

114 32.2 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.069 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

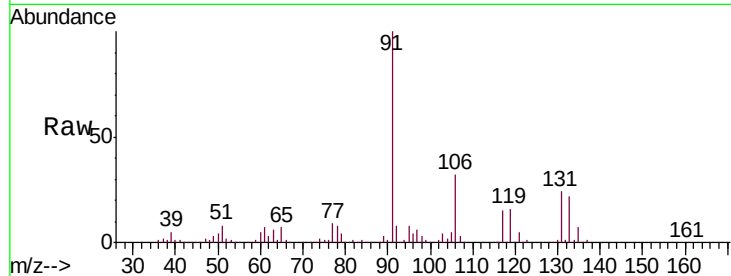
Tgt Ion: 131 Resp: 194620

Ion Ratio Lower Upper

131 100

133 94.8 0.0 190.4

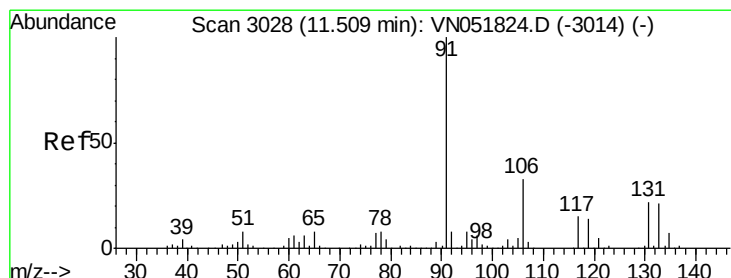
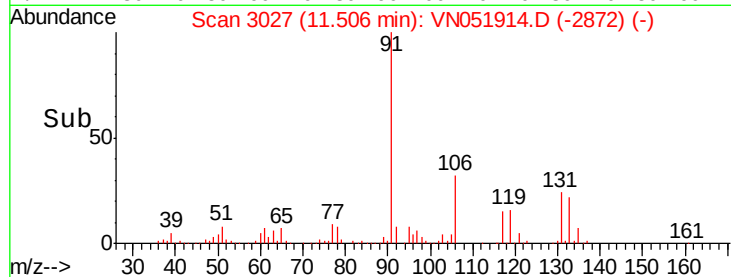
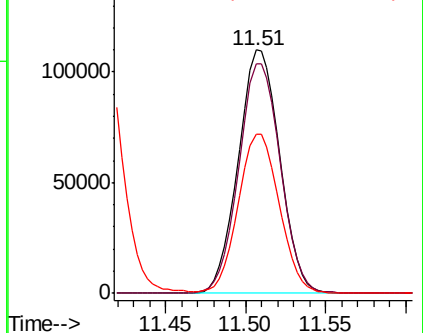
119 65.0 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.991 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051914.D

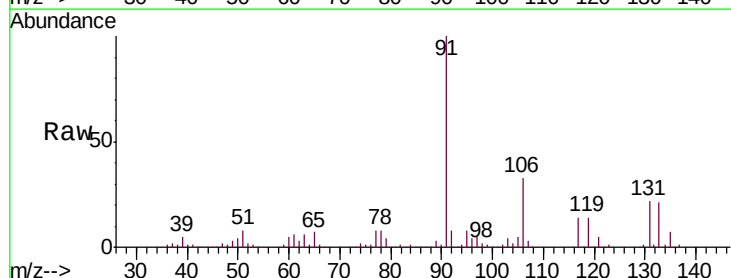
Acq: 18 Oct 2018 14:14

Tgt Ion: 91 Resp: 852347

Ion Ratio Lower Upper

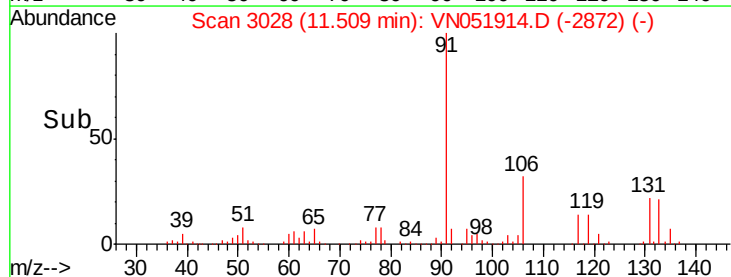
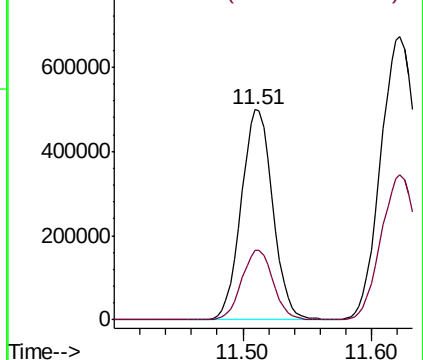
91 100

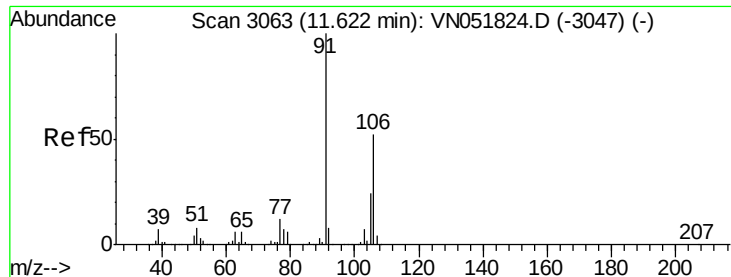
106 32.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.135 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

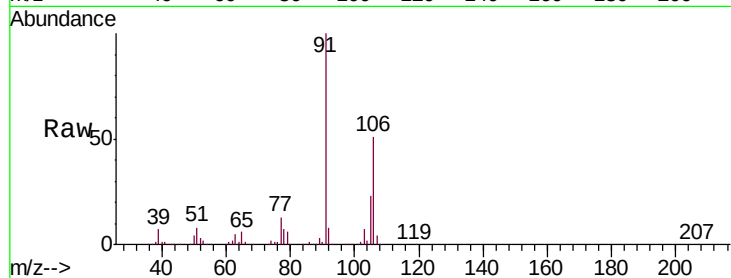
VN1018WBSD01

Tgt Ion:106 Resp: 676474

Ion Ratio Lower Upper

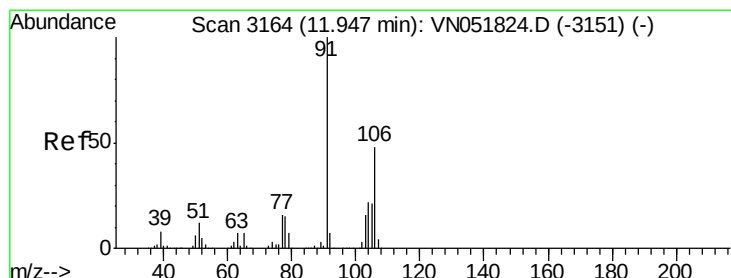
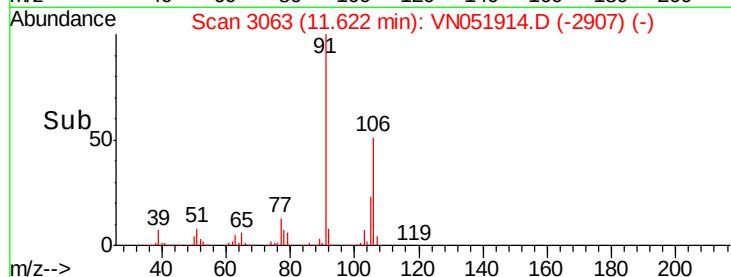
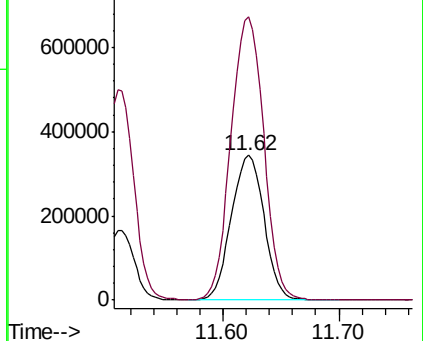
106 100

91 196.1 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.504 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051914.D

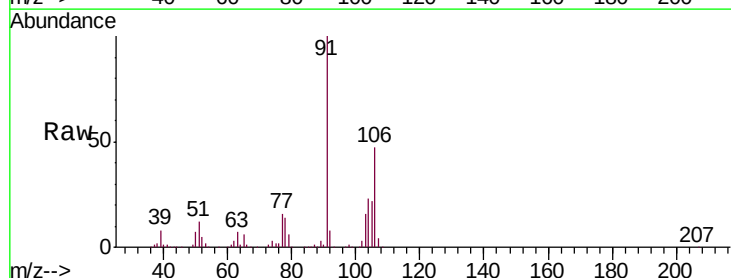
Acq: 18 Oct 2018 14:14

Tgt Ion:106 Resp: 332366

Ion Ratio Lower Upper

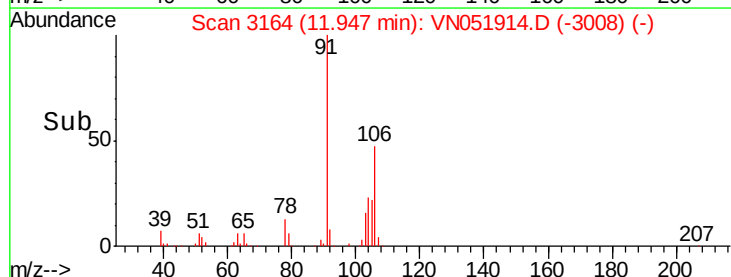
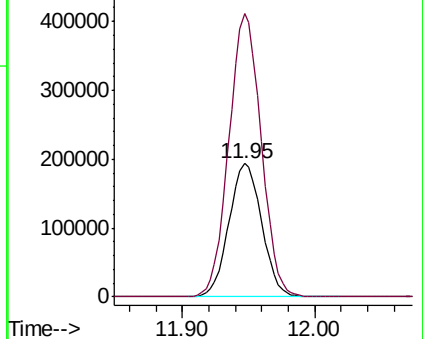
106 100

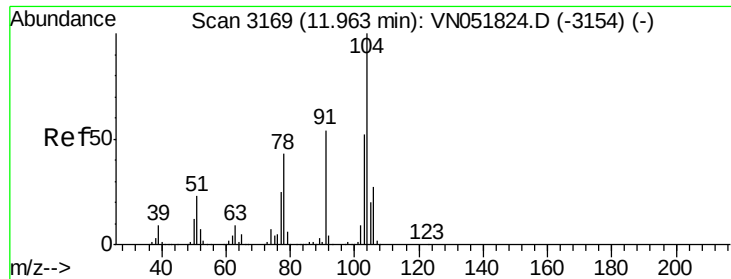
91 209.1 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

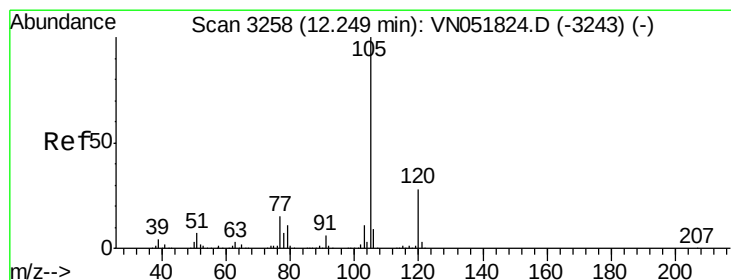
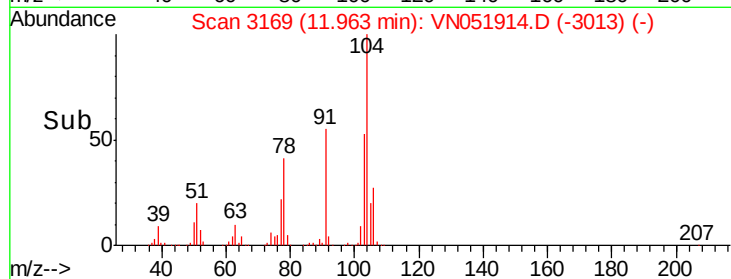
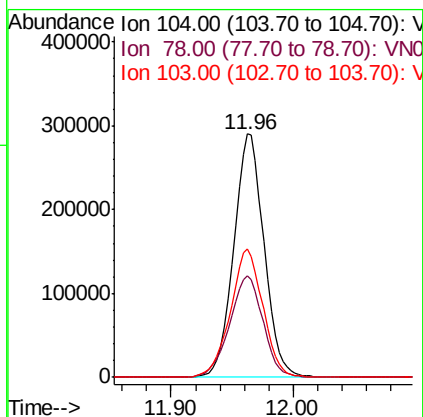
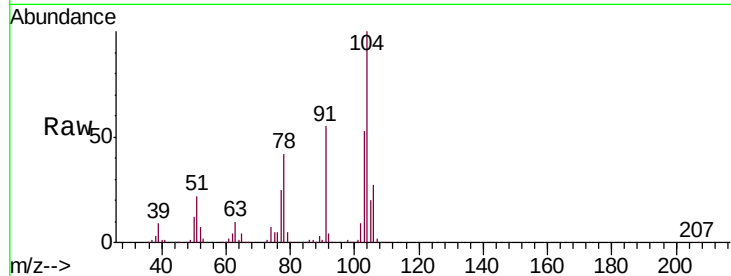




#69
Styrene
Concen: 19.068 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

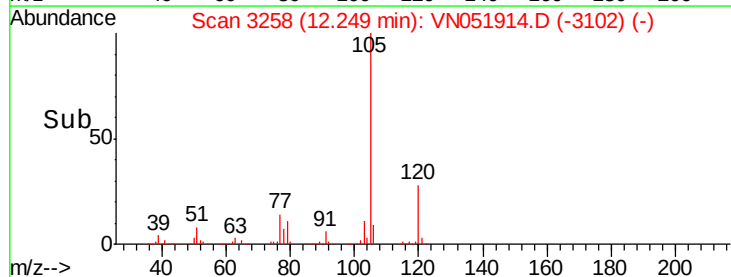
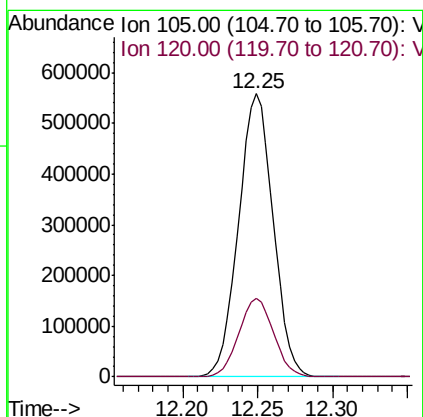
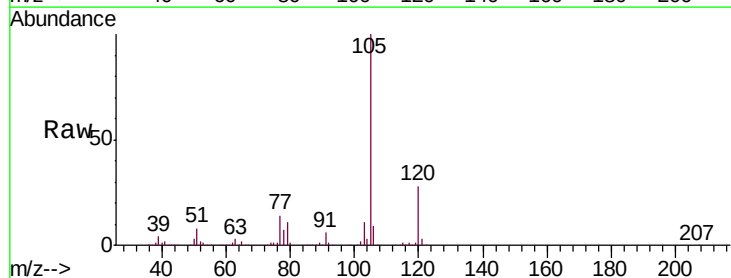
Instrument :
MSVOA_N
ClientSampled :
VN1018WBSD01

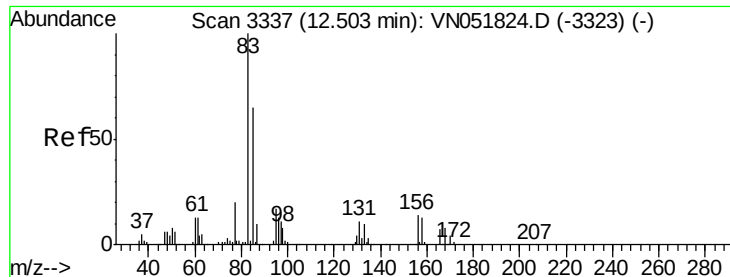
Tgt Ion:104 Resp: 498540
Ion Ratio Lower Upper
104 100
78 46.2 40.6 60.8
103 56.7 44.0 66.0



#70
Isopropylbenzene
Concen: 19.779 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion:105 Resp: 898804
Ion Ratio Lower Upper
105 100
120 27.9 19.0 35.4

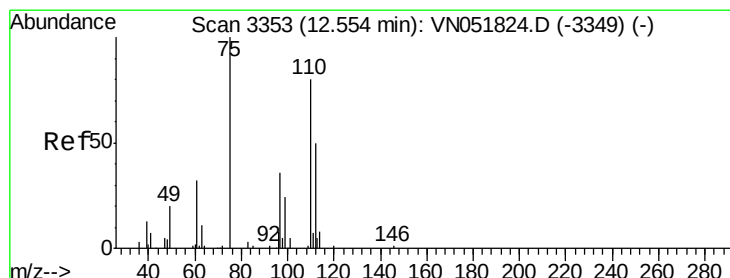
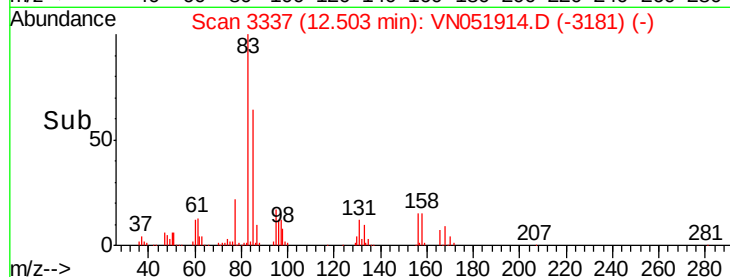
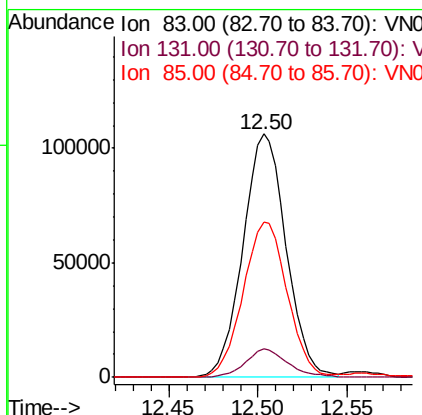
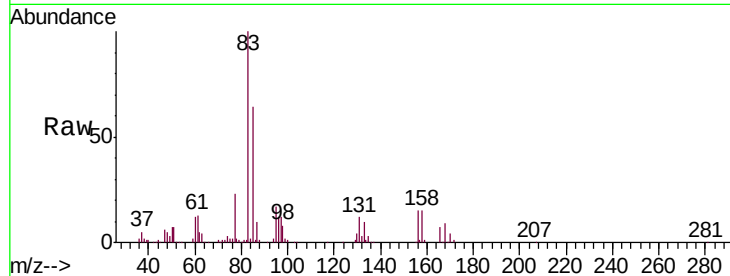




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.007 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

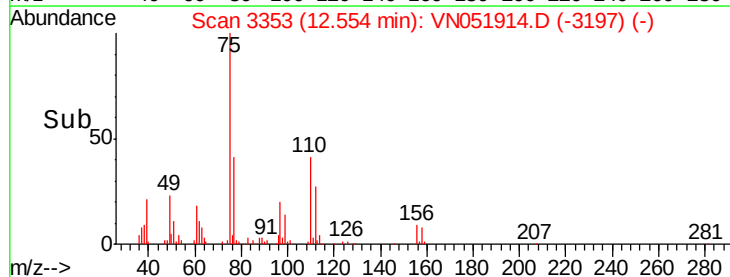
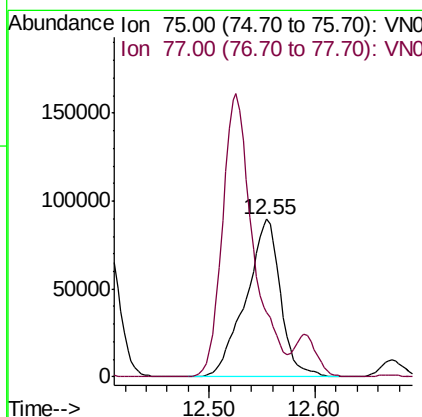
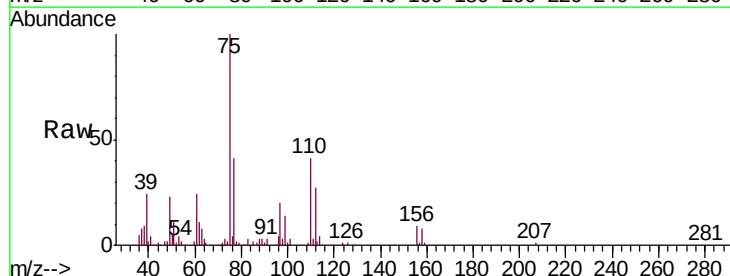
Instrument :
 MSVOA_N
 ClientSampled :
 VN1018WBSD01

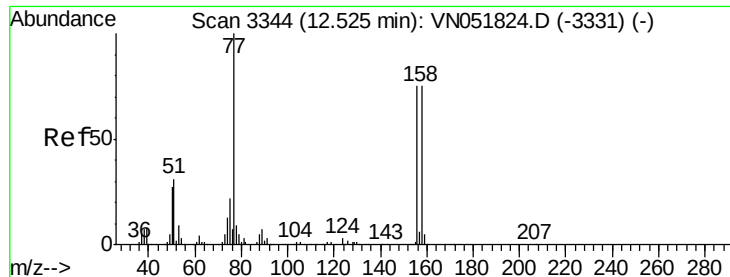
Tgt Ion: 83 Resp: 179548
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.5 16.4
 85 65.3 30.6 91.8



#72
 1,2,3-Trichloropropane
 Concen: 29.200 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 75 Resp: 206144
 Ion Ratio Lower Upper
 75 100
 77 158.4 0.0 400.0





#73

Bromobenzene

Concen: 19.528 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

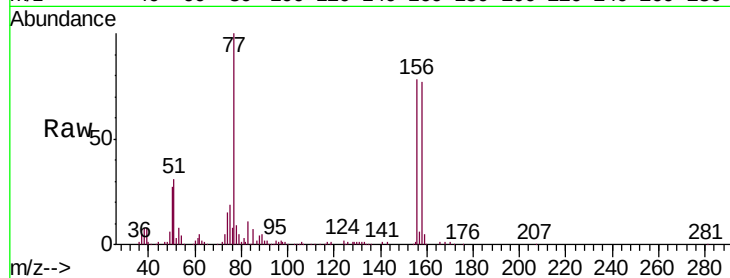
Tgt Ion:156 Resp: 219805

Ion Ratio Lower Upper

156 100

77 148.5 0.0 377.4

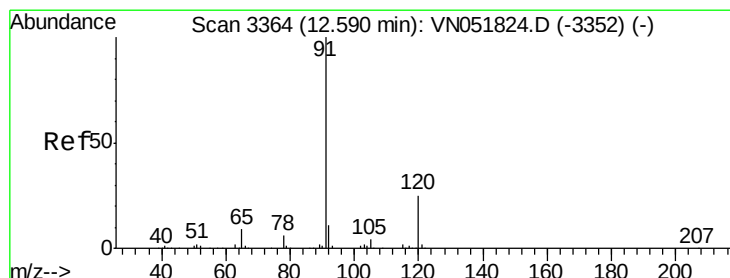
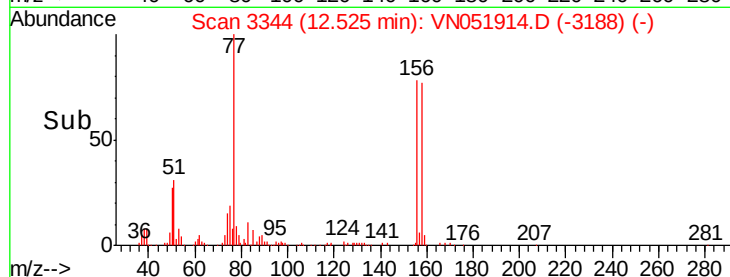
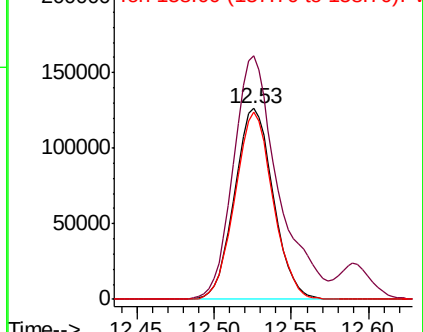
158 96.4 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.248 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051914.D

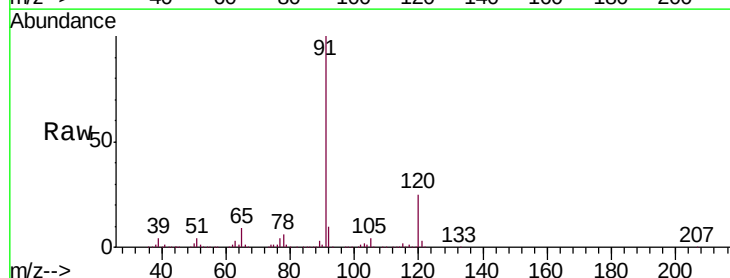
Acq: 18 Oct 2018 14:14

Tgt Ion: 91 Resp: 940841

Ion Ratio Lower Upper

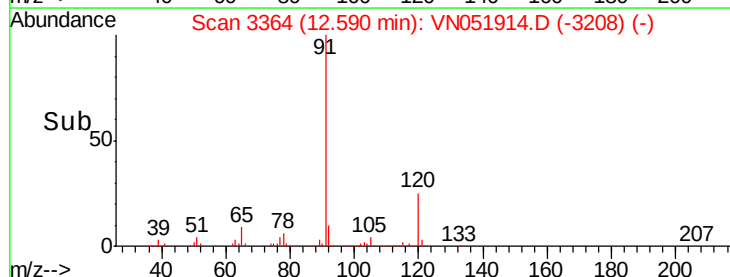
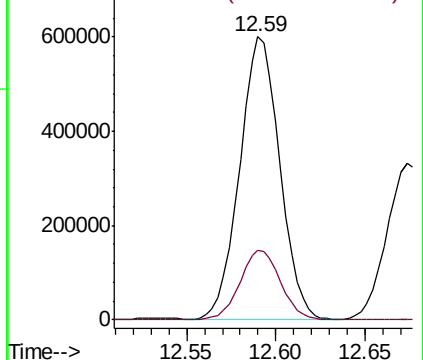
91 100

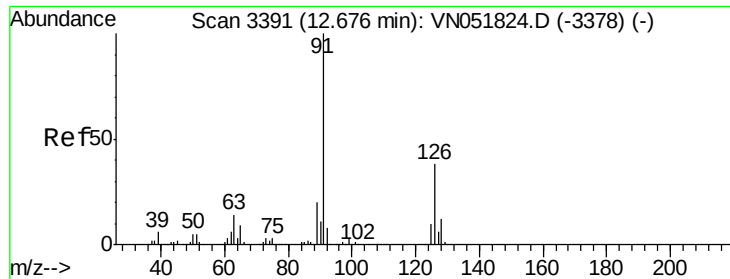
120 24.8 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.511 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

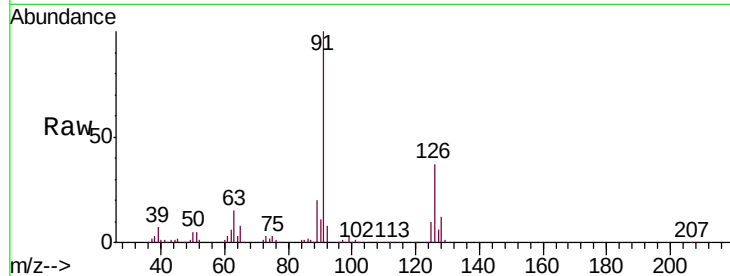
VN1018WBSD01

Tgt Ion: 91 Resp: 559110

Ion Ratio Lower Upper

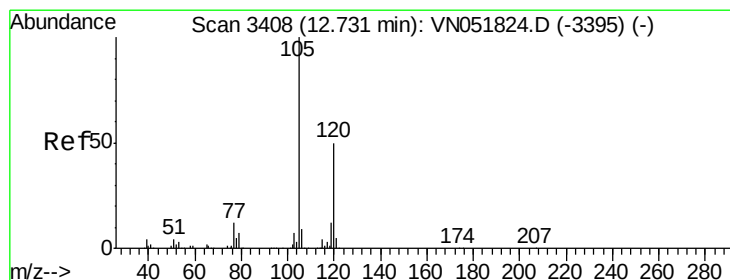
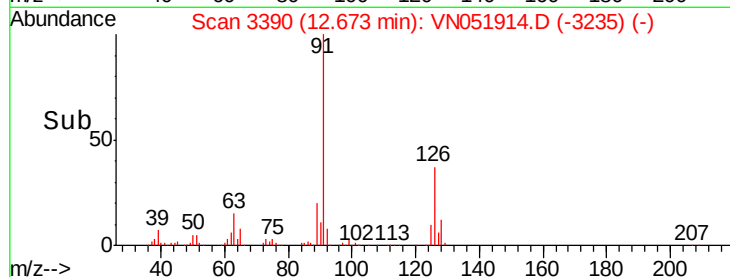
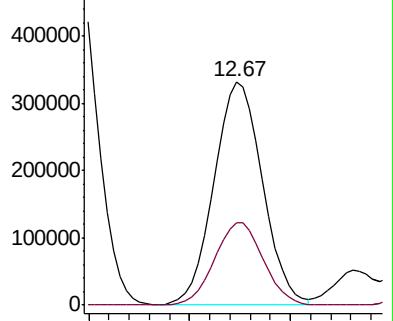
91 100

126 37.2 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.697 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051914.D

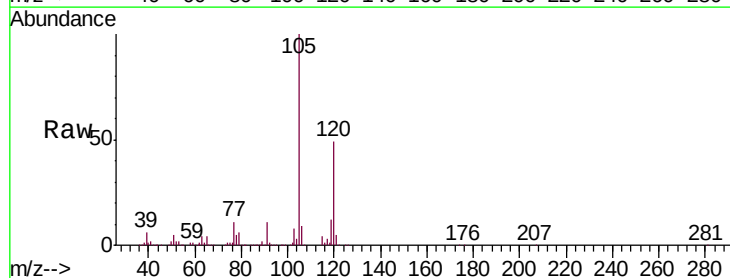
Acq: 18 Oct 2018 14:14

Tgt Ion: 105 Resp: 740157

Ion Ratio Lower Upper

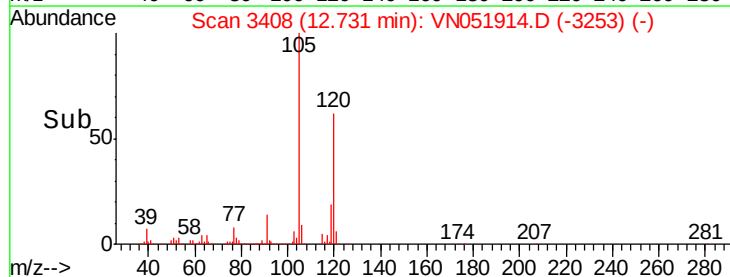
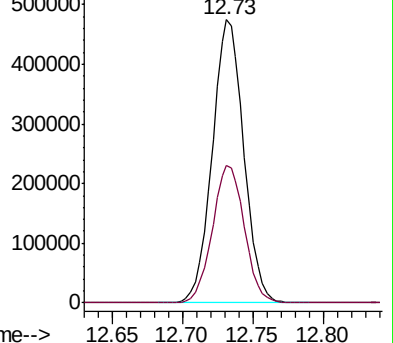
105 100

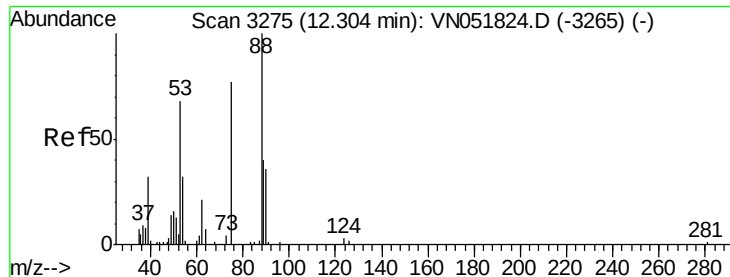
120 49.3 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.111 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

VN1018WBSD01

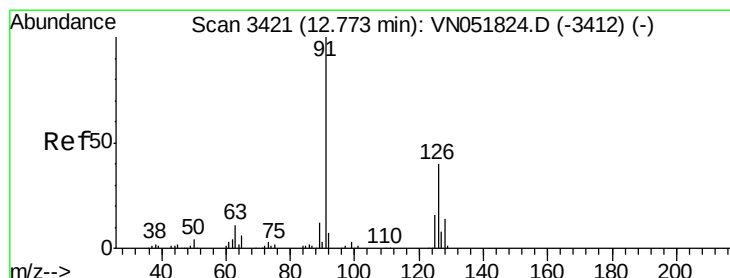
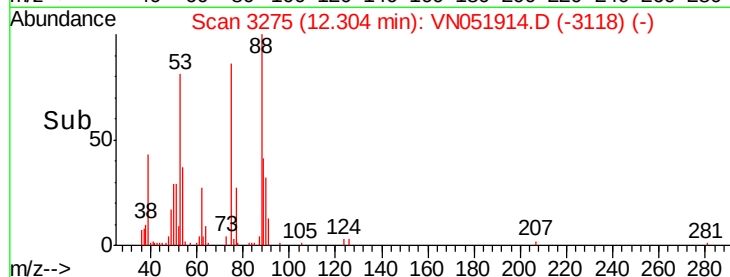
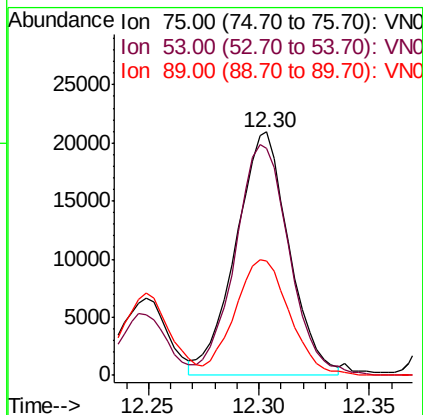
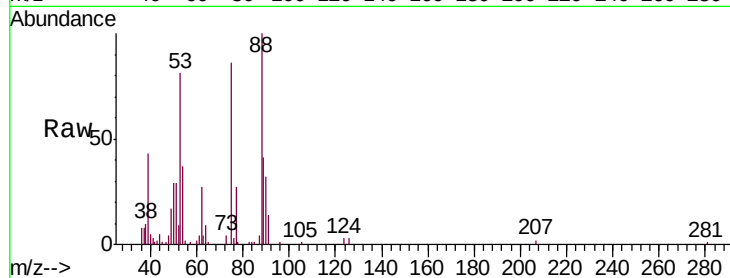
Tgt Ion: 75 Resp: 35283

Ion Ratio Lower Upper

75 100

53 92.4 46.3 138.9

89 47.1 24.6 73.8



#78

4-Chlorotoluene

Concen: 18.733 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051914.D

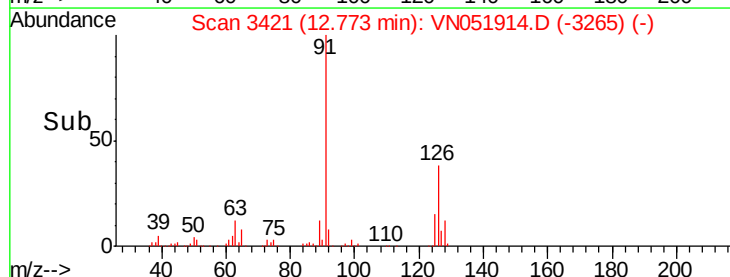
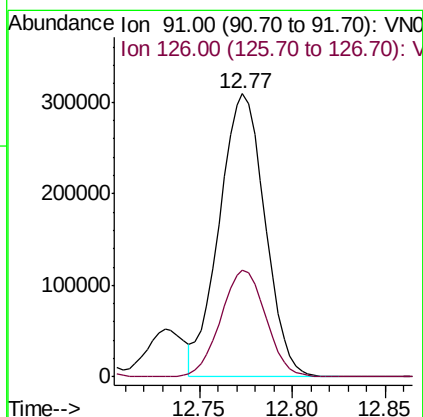
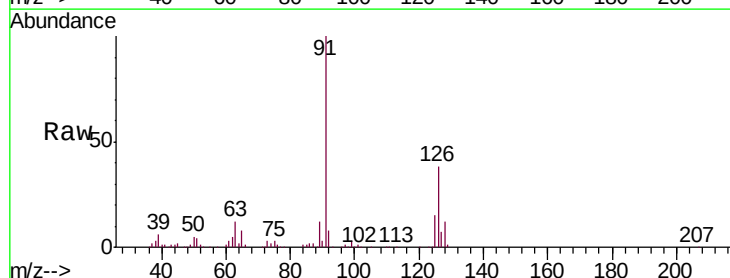
Acq: 18 Oct 2018 14:14

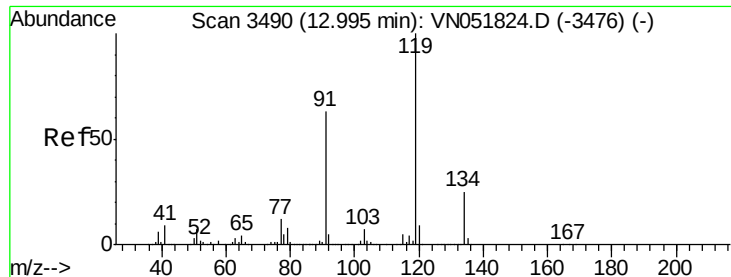
Tgt Ion: 91 Resp: 527421

Ion Ratio Lower Upper

91 100

126 37.2 0.0 65.2

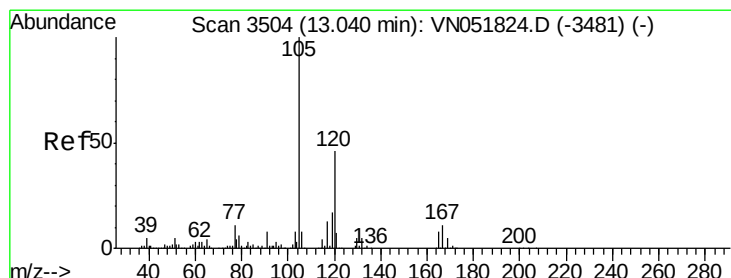
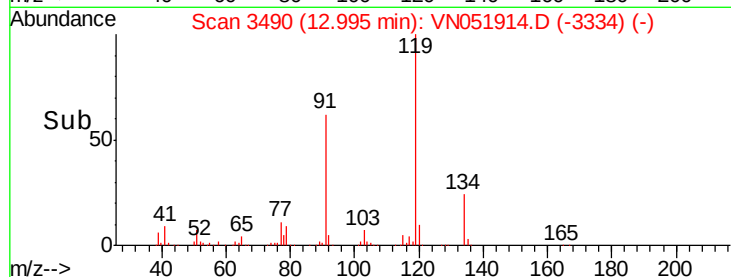
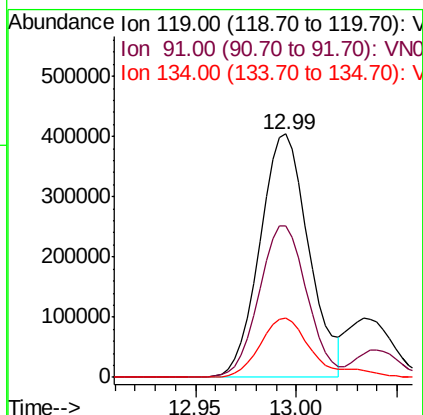
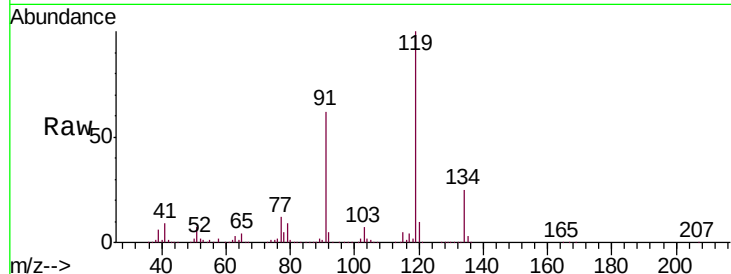




#79
tert-butylbenzene
Concen: 19.734 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

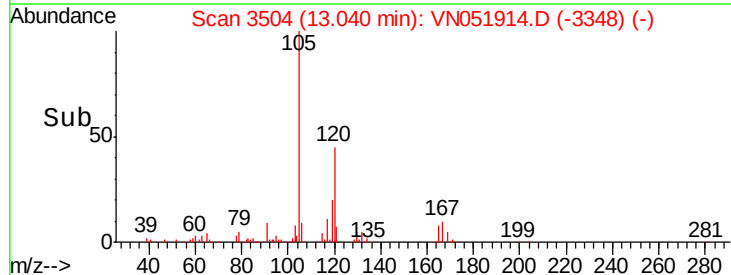
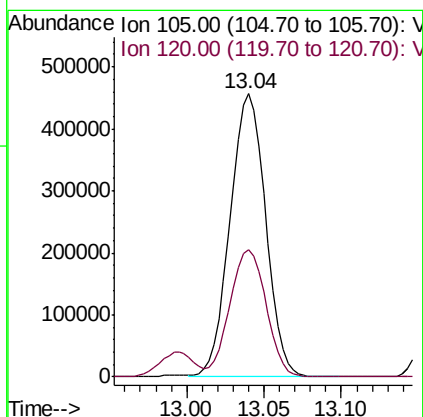
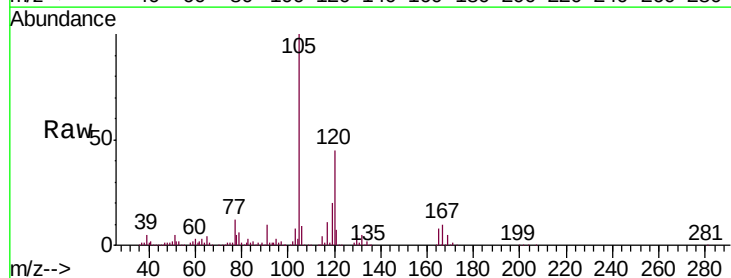
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

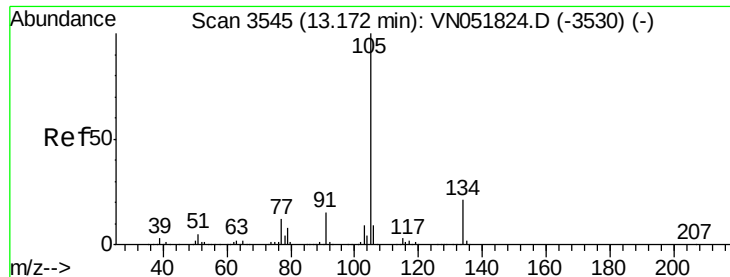
Tgt Ion:119 Resp: 681972
Ion Ratio Lower Upper
119 100
91 60.9 0.0 131.6
134 24.0 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.398 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051914.D
Acq: 18 Oct 2018 14:14

Tgt Ion:105 Resp: 728520
Ion Ratio Lower Upper
105 100
120 46.1 0.0 89.6





#81

sec-Butylbenzene

Concen: 19.516 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

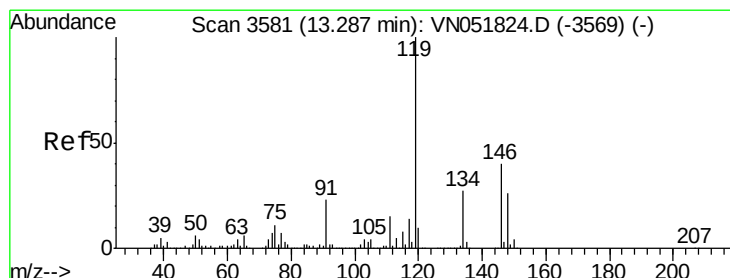
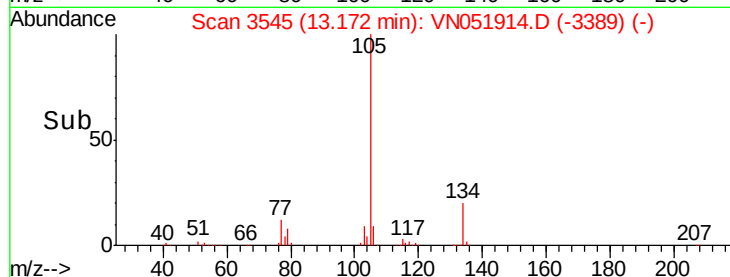
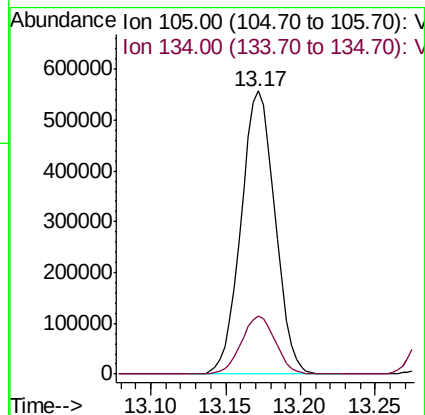
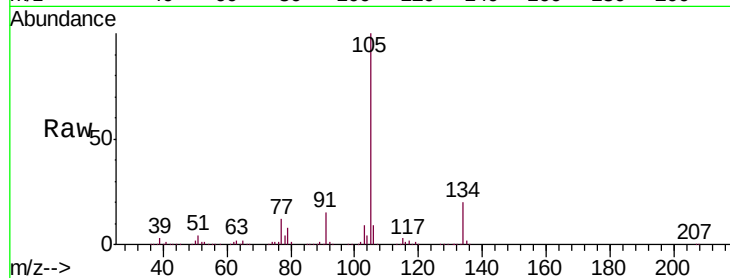
VN1018WBSD01

Tgt Ion:105 Resp: 882259

Ion Ratio Lower Upper

105 100

134 20.5 0.0 39.4



#82

p-Isopropyltoluene

Concen: 18.463 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

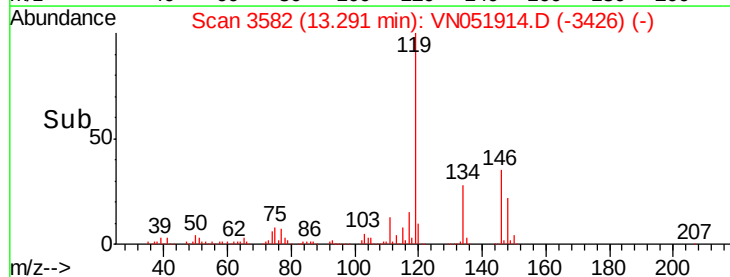
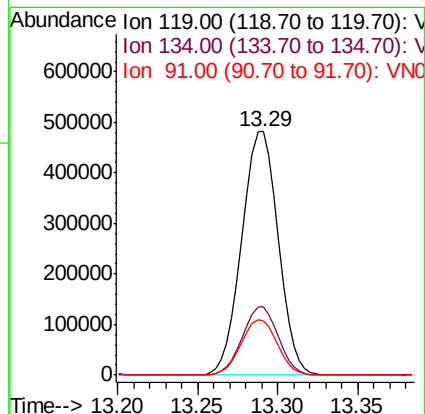
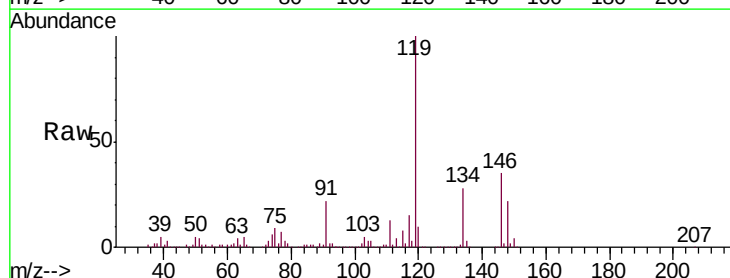
Tgt Ion:119 Resp: 746884

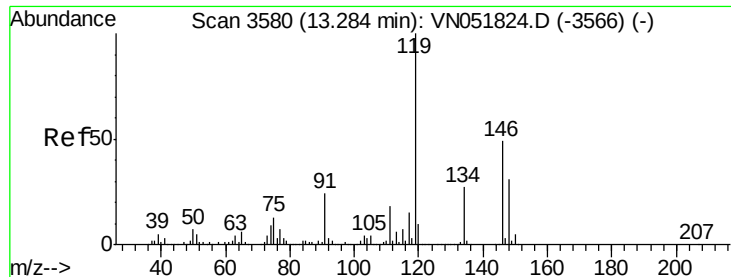
Ion Ratio Lower Upper

119 100

134 27.5 0.0 53.6

91 22.6 0.0 52.0

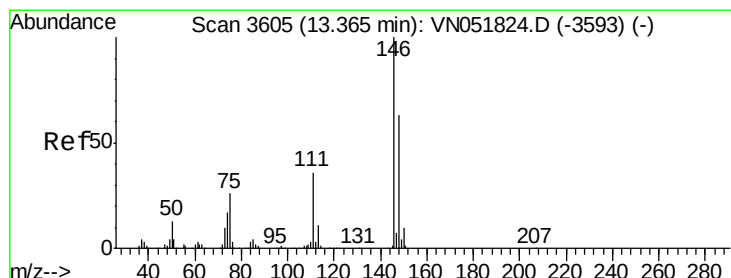
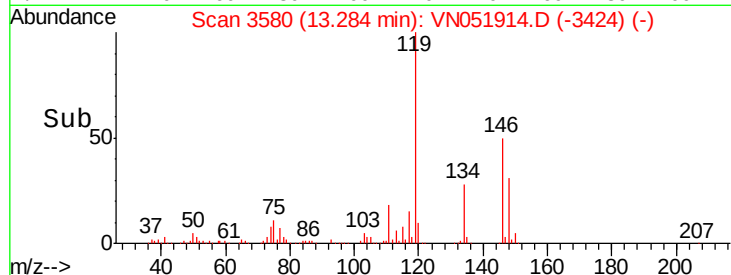
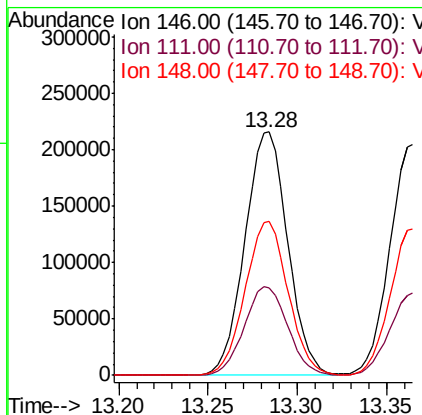
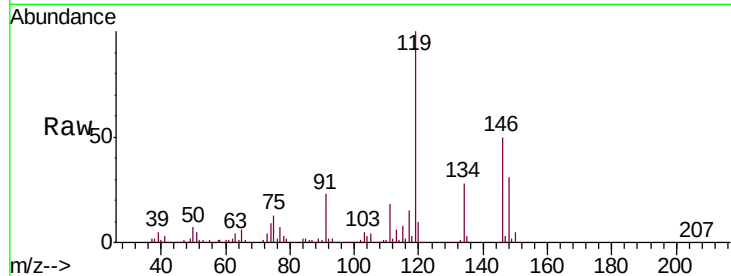




#83
 1,3-Dichlorobenzene
 Concen: 18.221 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

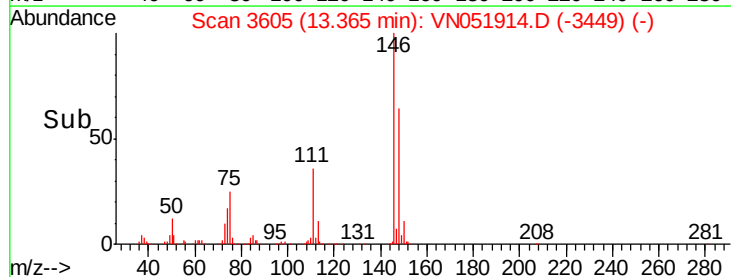
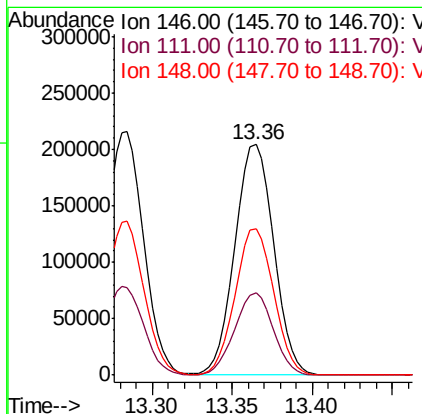
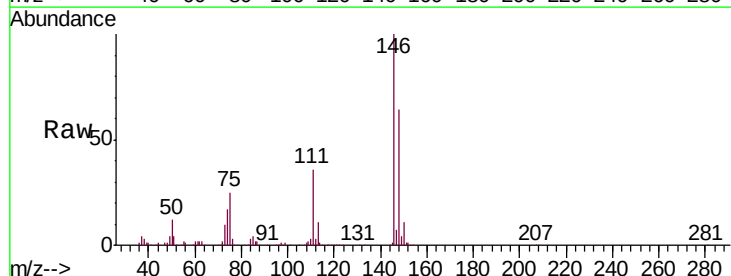
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

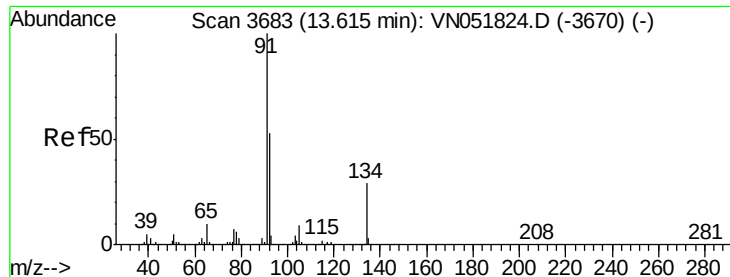
Tgt Ion:146 Resp: 361889
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.3
 148 63.2 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 18.168 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion:146 Resp: 339694
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.4 52.2
 148 62.8 32.8 98.3





#85

n-Butylbenzene

Concen: 17.372 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

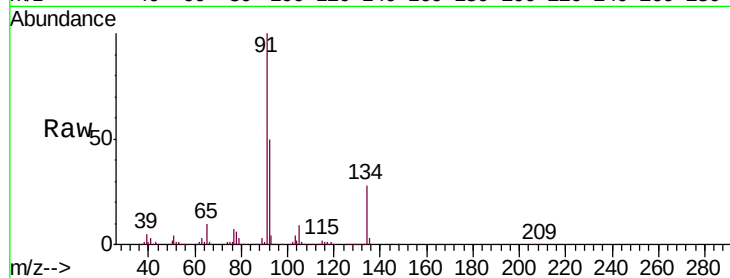
Tgt Ion: 91 Resp: 529929

Ion Ratio Lower Upper

91 100

92 51.0 0.0 97.4

134 28.5 0.0 49.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN051824.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN051824.D (-3670) (-)

13.61

400000

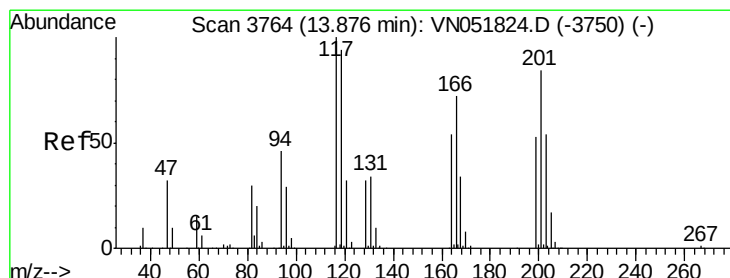
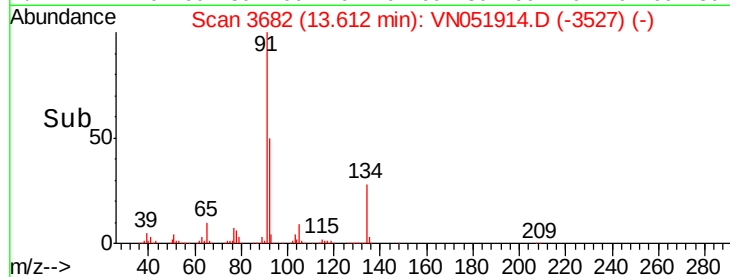
300000

200000

100000

0

Time-->



#86

Hexachloroethane

Concen: 17.426 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051914.D

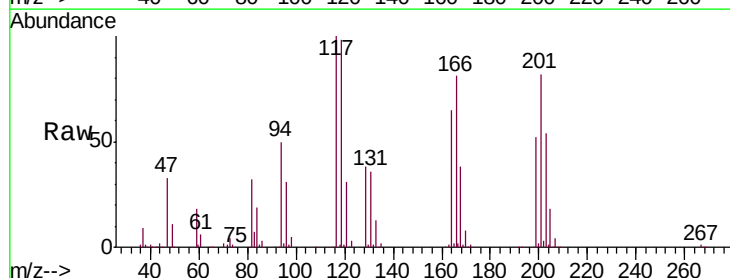
Acq: 18 Oct 2018 14:14

Tgt Ion: 117 Resp: 121551

Ion Ratio Lower Upper

117 100

201 85.3 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051824.D (-3750) (-)

Ion 201.00 (200.70 to 201.70): VN051824.D (-3750) (-)

13.87

80000

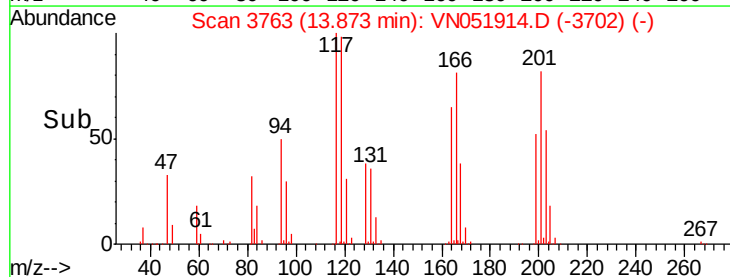
60000

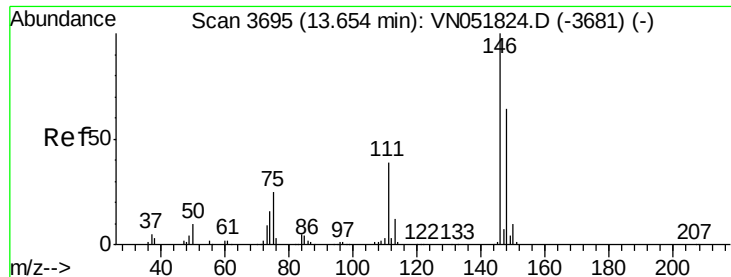
40000

20000

0

Time-->

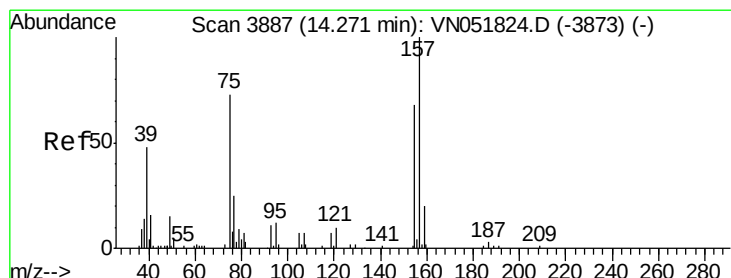
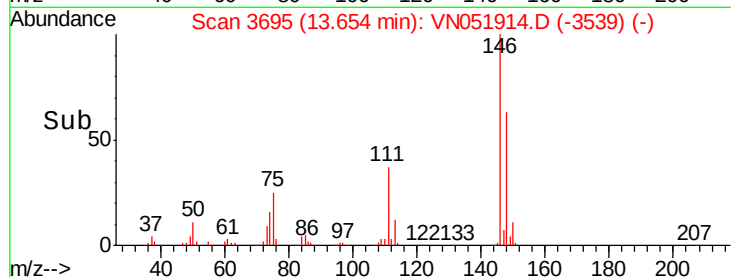
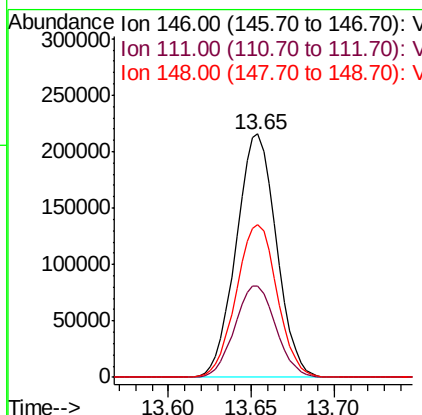
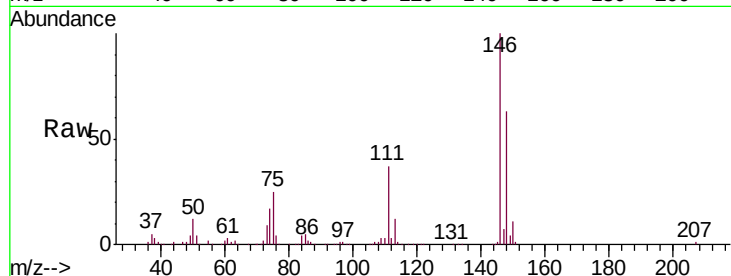




#87
 1,2-Dichlorobenzene
 Concen: 18.904 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

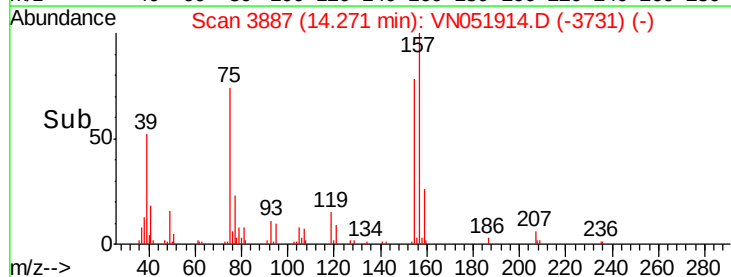
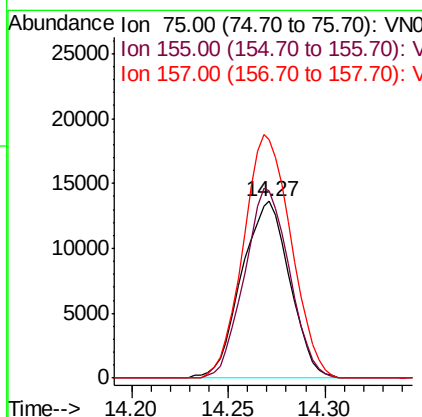
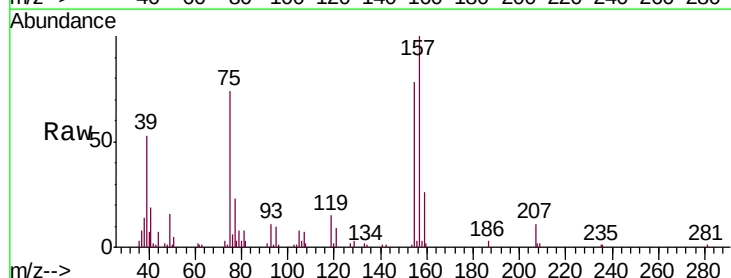
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

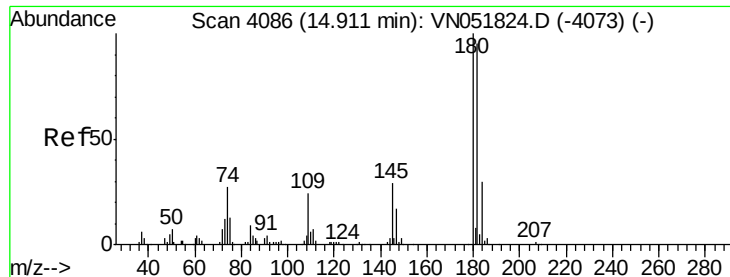
Tgt Ion: 146 Resp: 363493
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.8 62.2
 148 63.9 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.586 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion: 75 Resp: 23568
 Ion Ratio Lower Upper
 75 100
 155 100.5 57.0 85.6#
 157 136.9 87.4 131.0#

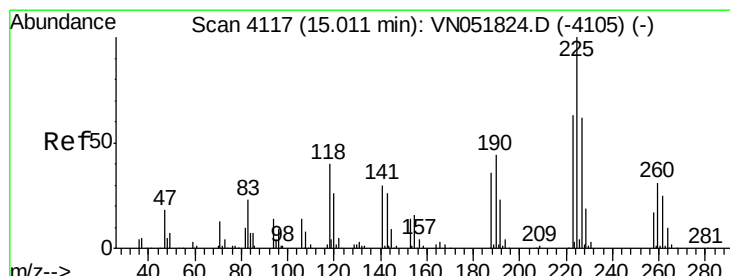
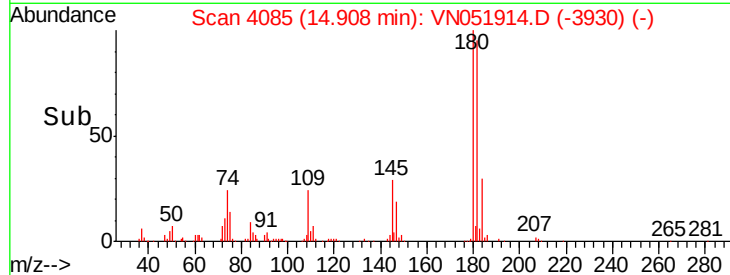
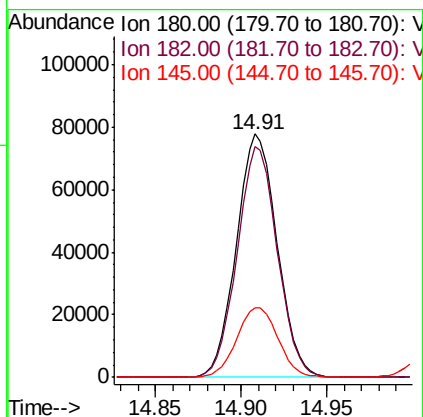
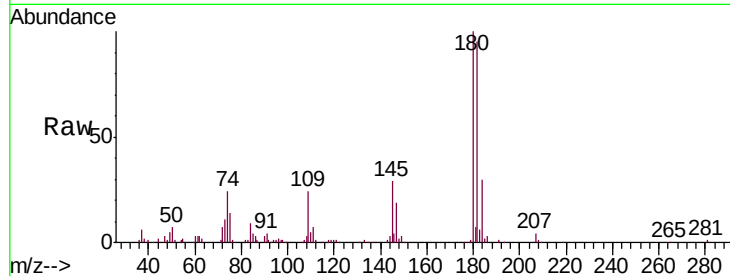




#89
 1,2,4-Trichlorobenzene
 Concen: 17.790 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

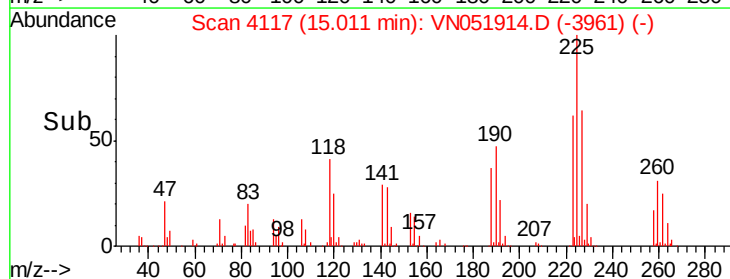
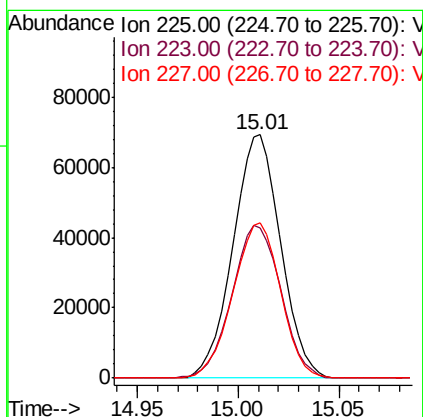
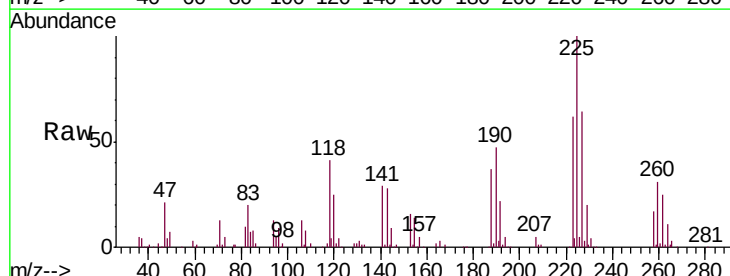
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

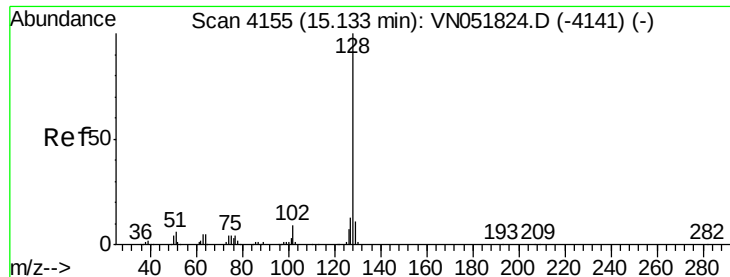
Tgt Ion:180 Resp: 127696
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.7 116.5
 145 29.0 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 18.532 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051914.D
 Acq: 18 Oct 2018 14:14

Tgt Ion:225 Resp: 114832
 Ion Ratio Lower Upper
 225 100
 223 64.4 0.0 117.0
 227 63.6 0.0 127.0





#91

Naphthalene

Concen: 17.913 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

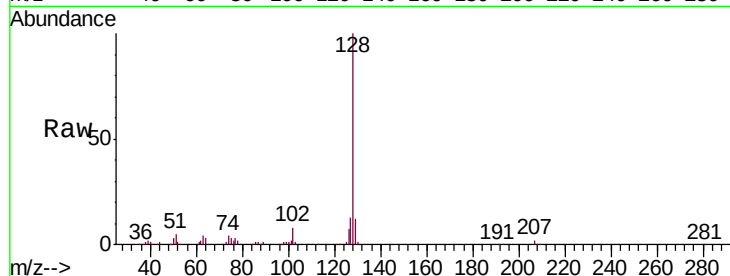
Tgt Ion:128 Resp: 246666

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.5 8.4 12.6

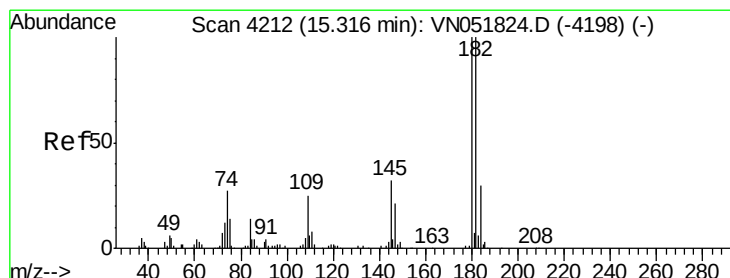
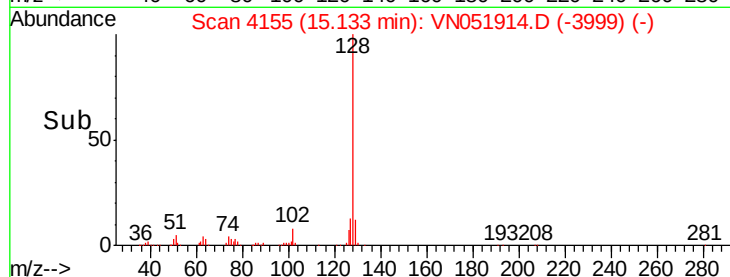
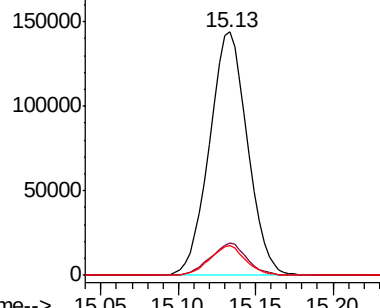


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.816 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051914.D

Acq: 18 Oct 2018 14:14

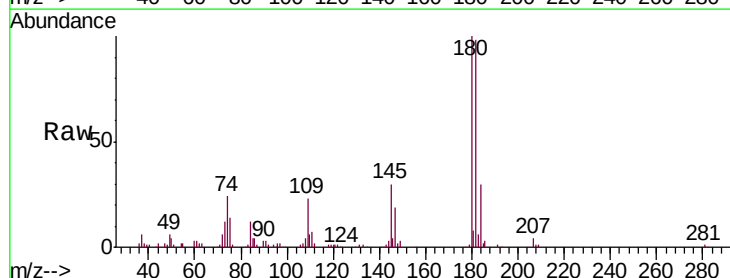
Tgt Ion:180 Resp: 138358

Ion Ratio Lower Upper

180 100

182 97.6 0.0 198.0

145 31.1 0.0 36.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

