

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051723.D
 Acq On : 8 Oct 2018 10:02
 Operator : MD\SY
 Sample : VN1008WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Quant Time: Oct 09 03:49:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	553243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	844726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	363969	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	320627	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.09	98	1198152	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.40	95	377521	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149094	22.202	ug/l	99
3) Chloromethane	2.06	50	139945	22.165	ug/l	97
4) Vinyl Chloride	2.18	62	210610	21.176	ug/l	99
5) Bromomethane	2.57	94	158716	20.751	ug/l	98
6) Chloroethane	2.70	64	139701	20.900	ug/l	96
7) Trichlorofluoromethane	3.01	101	234867	21.924	ug/l	98
8) Diethyl Ether	3.41	74	62773	21.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	120723	21.839	ug/l	99
10) Methyl Iodide	3.95	142	130405	19.346	ug/l	99
11) Tert butyl alcohol	4.79	59	53746	108.206	ug/l	97
12) 1,1-Dichloroethene	3.73	96	111338	21.610	ug/l	96
13) Acrolein	3.61	56	30480	98.223	ug/l	95
14) Allyl chloride	4.32	41	160355	20.406	ug/l	99
15) Acrylonitrile	5.00	53	176251	102.829	ug/l	98
16) Acetone	3.82	43	138523	102.016	ug/l	99
17) Carbon Disulfide	4.05	76	303862	19.403	ug/l	100
18) Methyl Acetate	4.33	43	94093	23.325	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	349013	20.523	ug/l	98
20) Methylene Chloride	4.55	84	123450	20.530	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	120559	19.747	ug/l	95
22) Diisopropyl ether	5.96	45	335715	19.930	ug/l	98
23) Vinyl Acetate	5.90	43	1240115	100.126	ug/l	100
24) 1,1-Dichloroethane	5.85	63	219545	20.266	ug/l	98
25) 2-Butanone	6.84	43	219242	103.884	ug/l	100
26) 2,2-Dichloropropane	6.83	77	210597	19.399	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	143400	20.233	ug/l	97
28) Bromochloromethane	7.20	49	94640	19.733	ug/l	99
29) Tetrahydrofuran	7.22	42	140845	108.751	ug/l	99
30) Chloroform	7.37	83	240421	19.752	ug/l	90
31) Cyclohexane	7.65	56	191552	19.307	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	232108	19.673	ug/l	100
36) 1,1-Dichloropropene	7.80	75	170979	19.365	ug/l	98
37) Ethyl Acetate	6.94	43	99320	21.568	ug/l	97
38) Carbon Tetrachloride	7.78	117	209210	19.746	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213992	19.307	ug/l	99
40) Benzene	8.04	78	518943	19.826	ug/l	99
41) Methacrylonitrile	7.21	41	145161	61.247	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	176933	20.058	ug/l	100
43) Isopropyl Acetate	8.17	43	200765	20.911	ug/l	98
44) Trichloroethene	8.84	130	149241	20.081	ug/l	99
45) 1,2-Dichloropropane	9.12	63	127801	19.748	ug/l	99
46) Dibromomethane	9.21	93	91006	20.232	ug/l	99
47) Bromodichloromethane	9.40	83	193024	19.493	ug/l	99
48) Methyl methacrylate	9.20	41	88523	20.178	ug/l	98
49) 1,4-Dioxane	9.20	88	27599	419.538	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	529124	108.758	ug/l	98
52) Toluene	10.16	92	338588	19.449	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	194591	19.045	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	209204	19.281	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125360	20.214	ug/l	99
56) Ethyl methacrylate	10.43	69	154511	19.701	ug/l	96
57) 1,3-Dichloropropane	10.71	76	198642	20.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	313618	96.622	ug/l	98
59) 2-Hexanone	10.75	43	343865	104.073	ug/l	97
60) Dibromochloromethane	10.90	129	156410	19.272	ug/l	100
61) 1,2-Dibromoethane	11.01	107	126729	19.330	ug/l	97
64) Tetrachloroethene	10.63	164	138215	20.375	ug/l	98
65) Chlorobenzene	11.44	112	375477	19.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	148641	19.495	ug/l	97
67) Ethyl Benzene	11.51	91	652668	19.830	ug/l	100
68) m/p-Xylenes	11.62	106	512764	38.936	ug/l	99
69) o-Xylene	11.95	106	255512	19.784	ug/l	99
70) Styrene	11.97	104	392401	19.067	ug/l	99
71) Bromoform	12.13	173	106324	18.748	ug/l #	99
73) Isopropylbenzene	12.25	105	668690	20.219	ug/l	100
74) N-amyl acetate	12.07	43	154851	20.733	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	150066	21.171	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	183237	36.938	ug/l #	100
77) Bromobenzene	12.53	156	159640	19.741	ug/l	99
78) n-propylbenzene	12.59	91	725540	20.113	ug/l	99
79) 2-Chlorotoluene	12.67	91	425463	20.013	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	558923	20.054	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39102	18.526	ug/l	92
82) 4-Chlorotoluene	12.77	91	413140	19.345	ug/l	99
83) tert-Butylbenzene	12.99	119	509403	20.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	569244	20.390	ug/l	100
85) sec-Butylbenzene	13.17	105	677196	20.499	ug/l	99
86) p-Isopropyltoluene	13.29	119	587363	20.056	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	278795	19.785	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	268062	19.327	ug/l	99
89) n-Butylbenzene	13.62	91	454325	19.621	ug/l	99
90) Hexachloroethane	13.88	117	116000	19.853	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	278627	19.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23744	20.437	ug/l	98

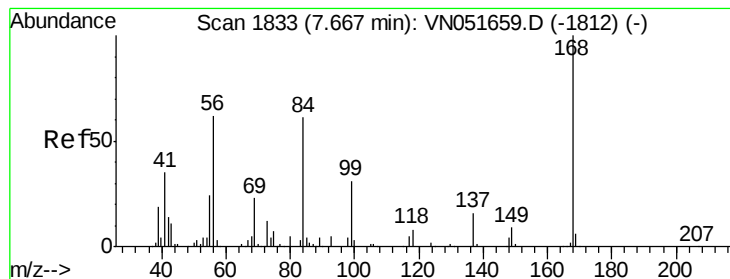
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112986	18.126	ug/l	99
94) Hexachlorobutadiene	15.01	225	84985	20.095	ug/l	99
95) Naphthalene	15.13	128	241255	17.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	117663	19.167	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

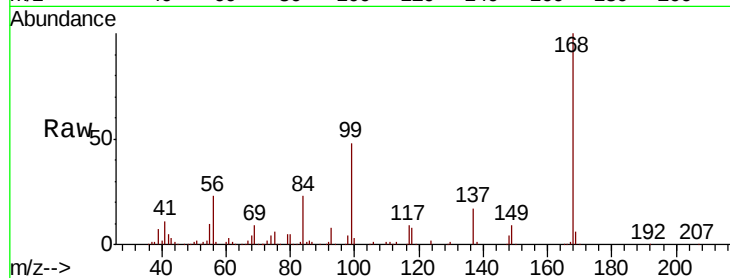
VN1008WBS01

Tot Ion:168 Resp: 553243

Ion Ratio Lower Upper

168 100

99 48.0 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

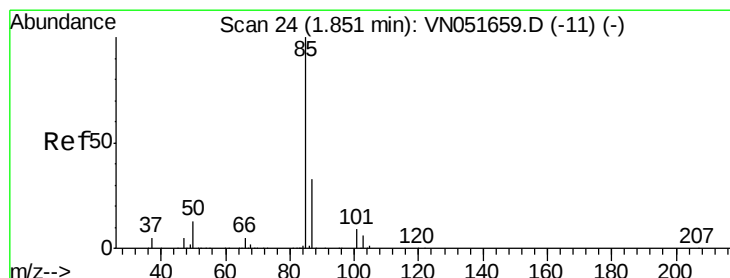
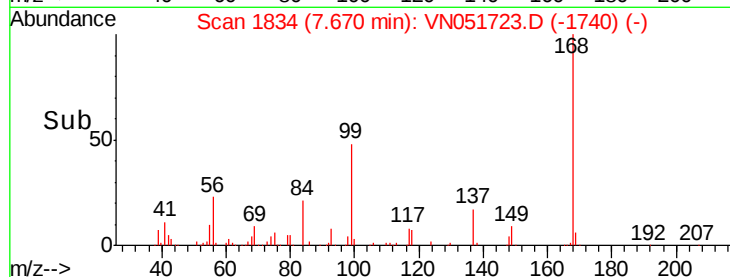
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 22.202 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051723.D

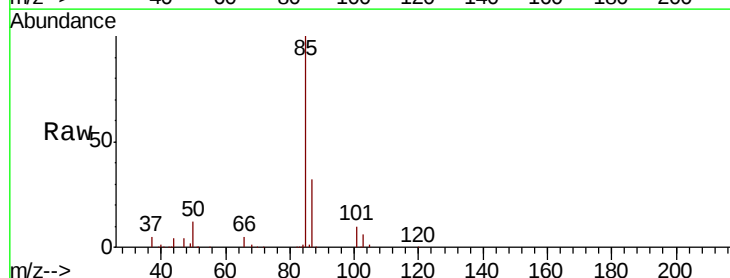
Acq: 8 Oct 2018 10:02

Tgt Ion: 85 Resp: 149094

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

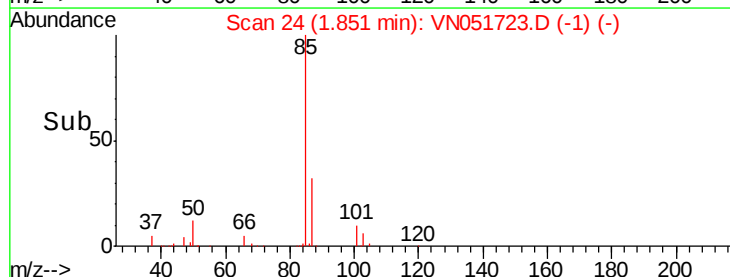
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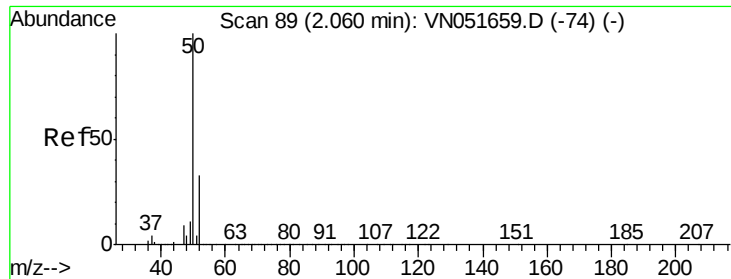
40000

20000

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Time--> 1.80 1.85 1.90 1.95

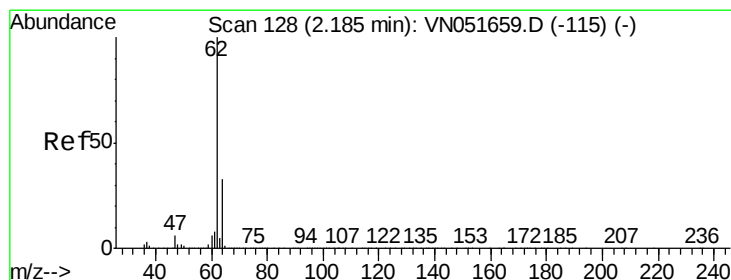
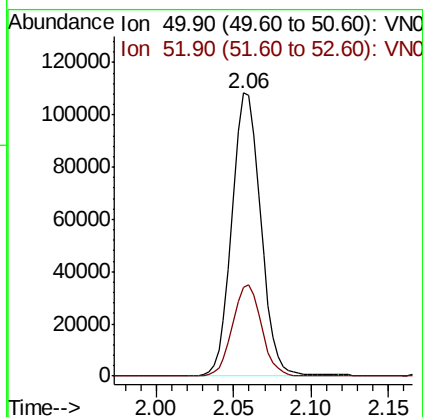
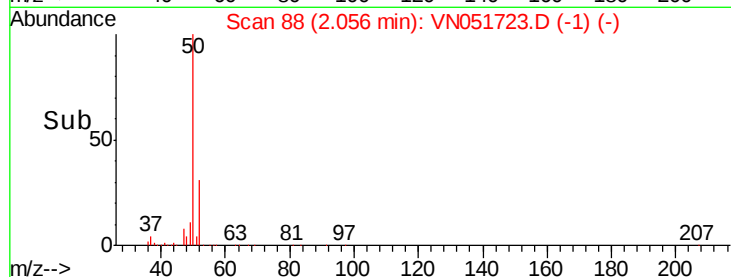
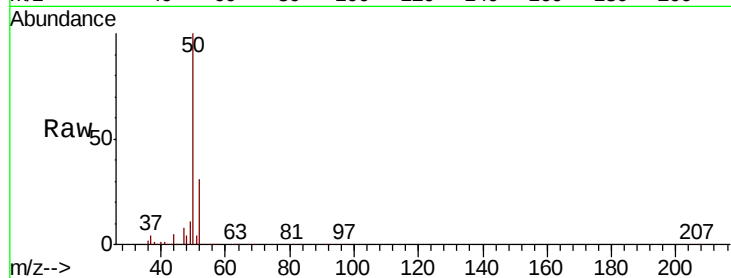




#3
Chloromethane
Concen: 22.165 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

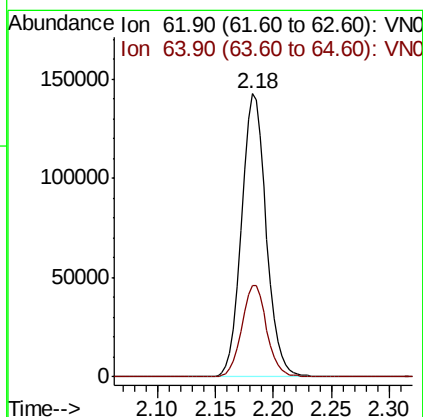
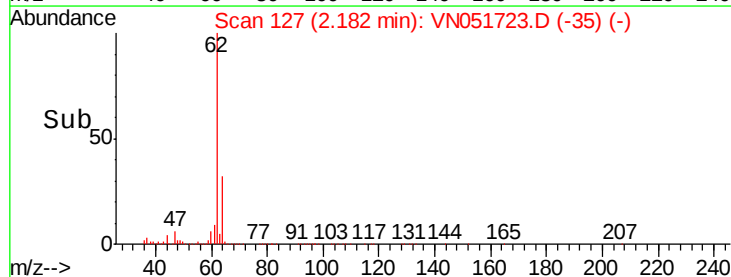
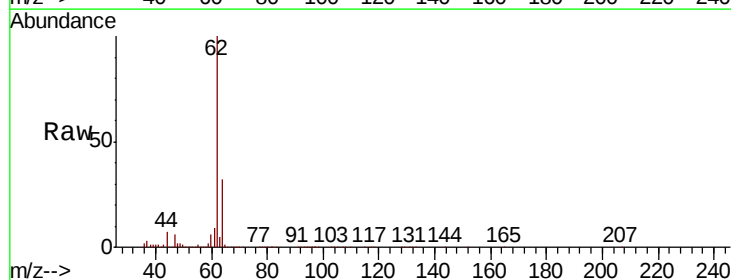
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

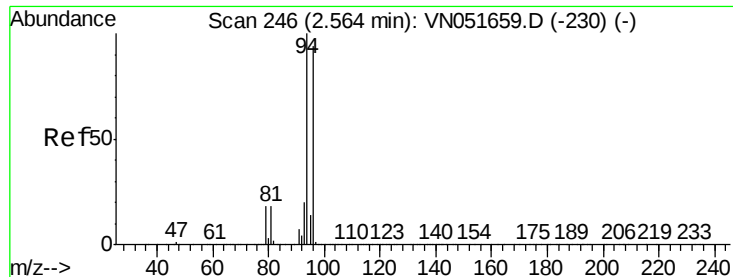
Tot Ion: 50 Resp: 139945
Ion Ratio Lower Upper
50 100
52 31.4 26.6 39.8



#4
Vinyl Chloride
Concen: 21.176 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 62 Resp: 210610
Ion Ratio Lower Upper
62 100
64 32.4 26.2 39.4





#5

Bromomethane

Concen: 20.751 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

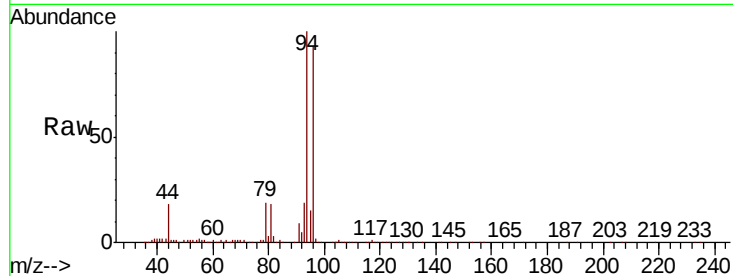
VN1008WBS01

Tot Ion: 94 Resp: 158716

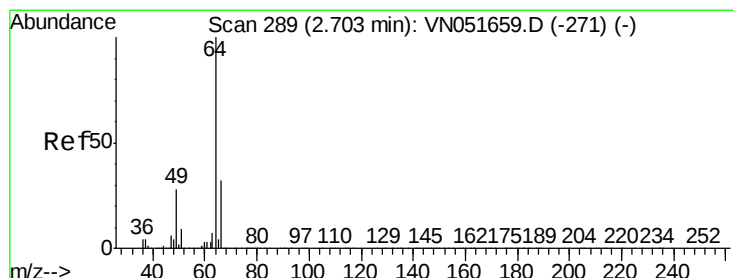
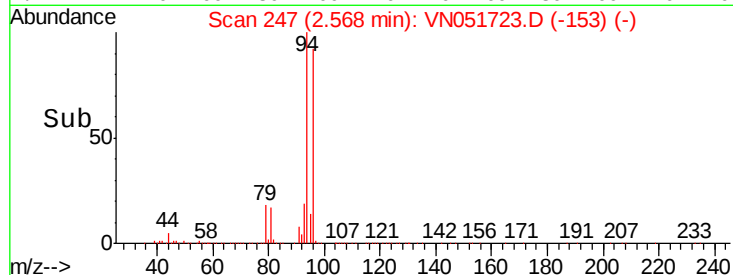
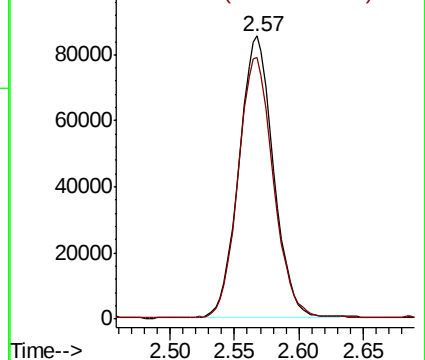
Ion Ratio Lower Upper

94 100

96 92.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.900 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051723.D

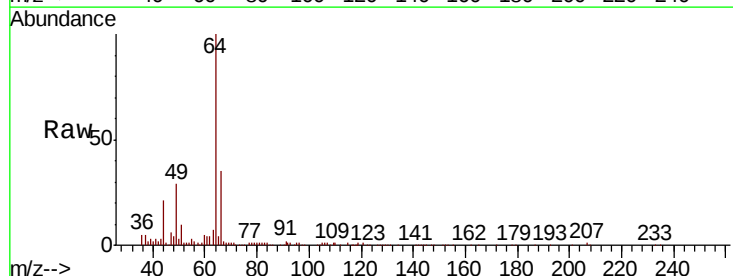
Acq: 8 Oct 2018 10:02

Tgt Ion: 64 Resp: 139701

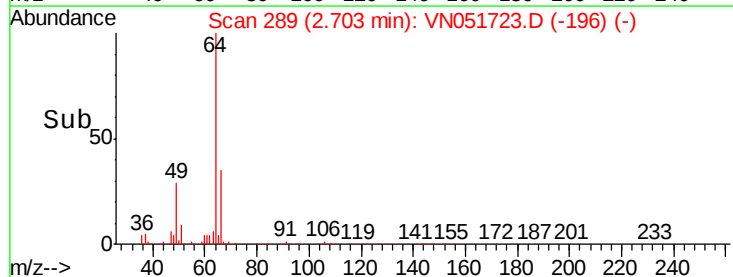
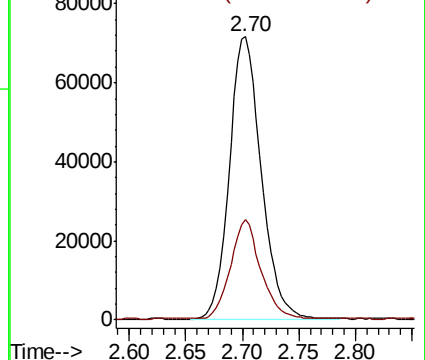
Ion Ratio Lower Upper

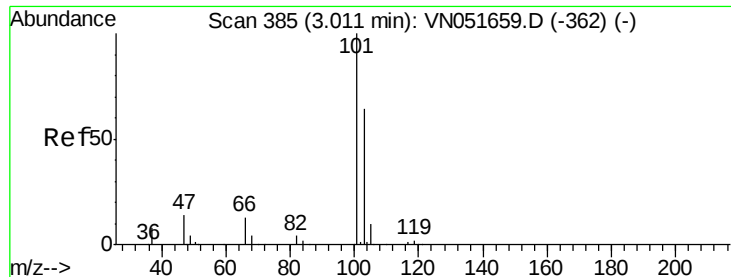
64 100

66 34.9 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



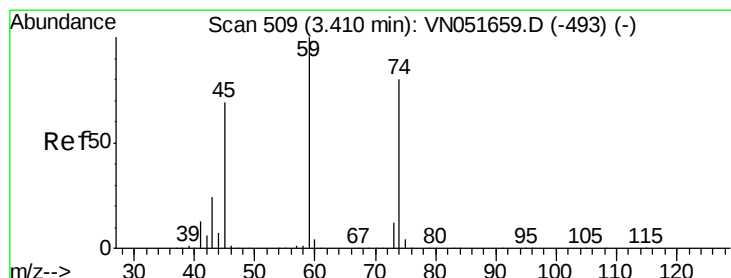
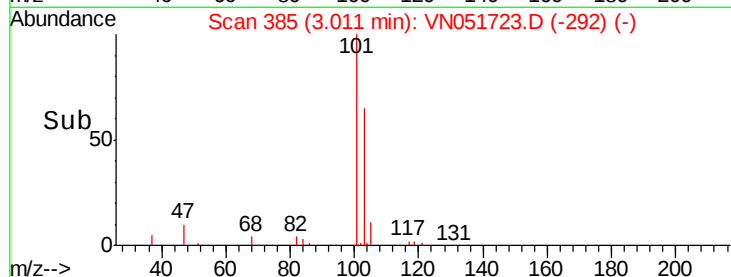
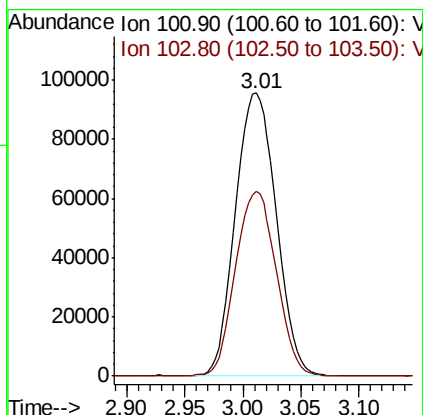
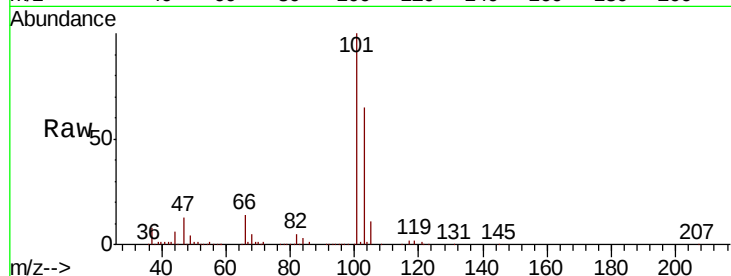


#7

Trichlorofluoromethane
 Concen: 21.924 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN1008WBS01

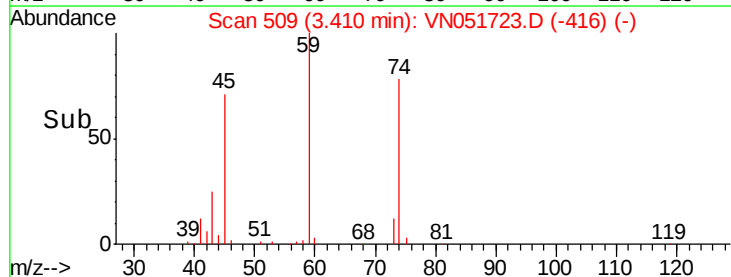
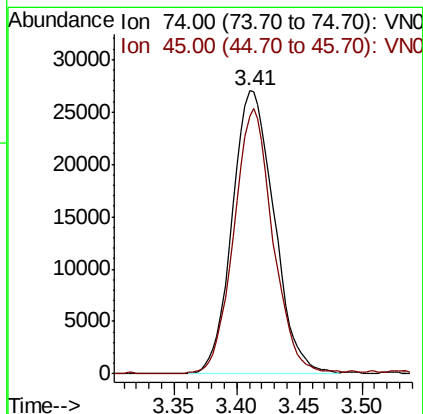
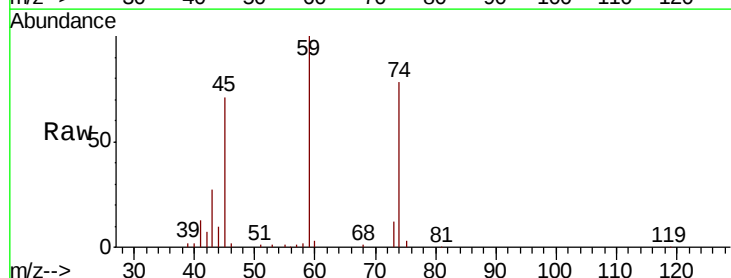
Tot Ion:101 Resp: 234867
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.1 76.7

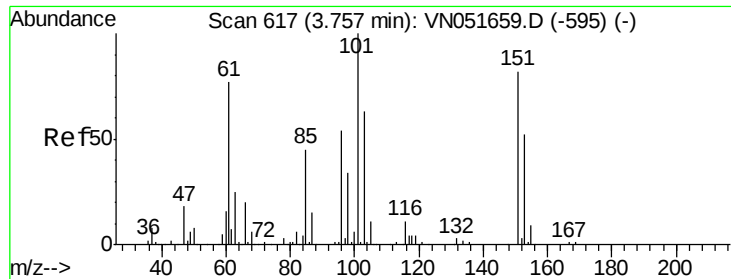


#8

Diethyl Ether
 Concen: 21.659 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 74 Resp: 62773
 Ion Ratio Lower Upper
 74 100
 45 87.6 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.839 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

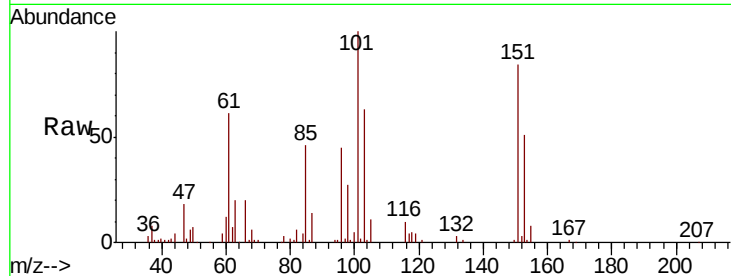
Tot Ion:101 Resp: 120723

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

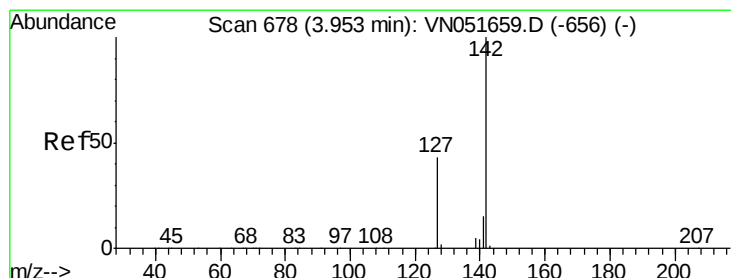
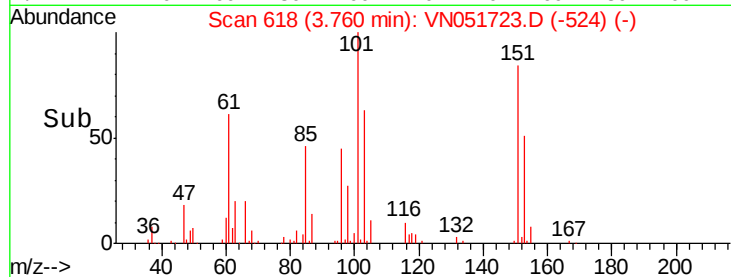
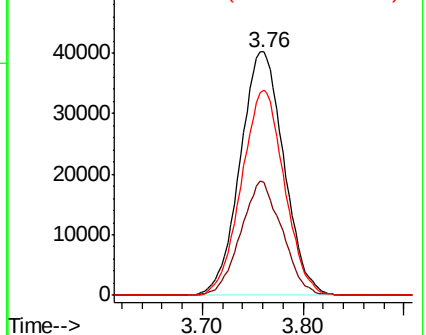
151 82.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.346 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

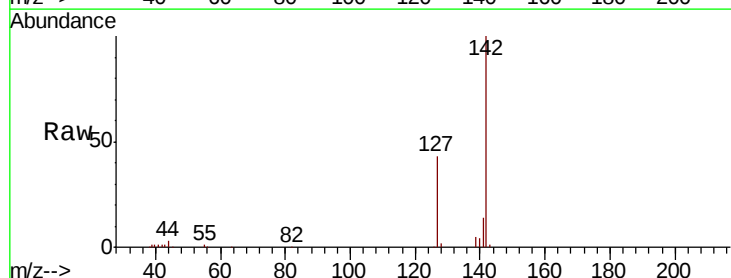
Tgt Ion:142 Resp: 130405

Ion Ratio Lower Upper

142 100

127 44.0 34.7 52.1

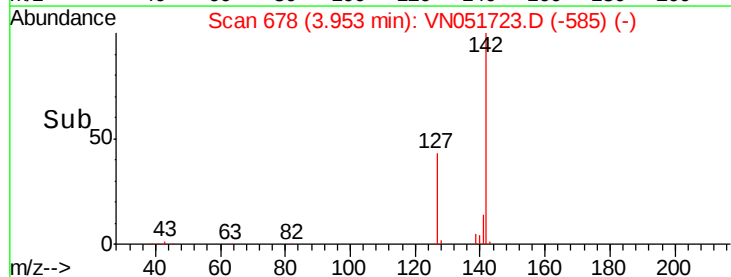
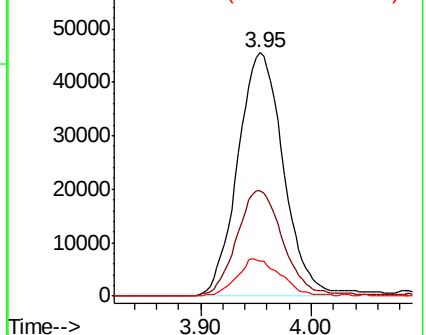
141 14.8 11.4 17.2

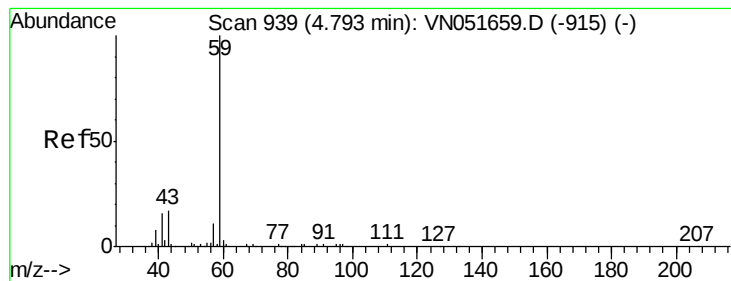


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



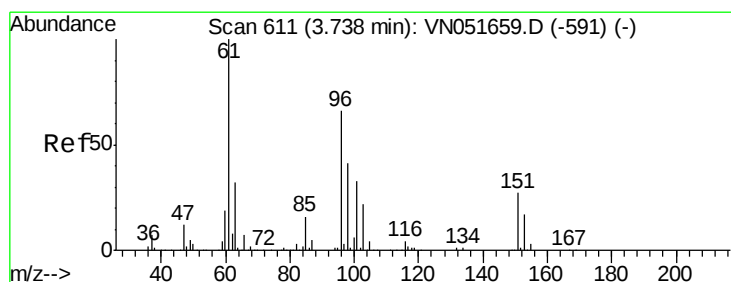
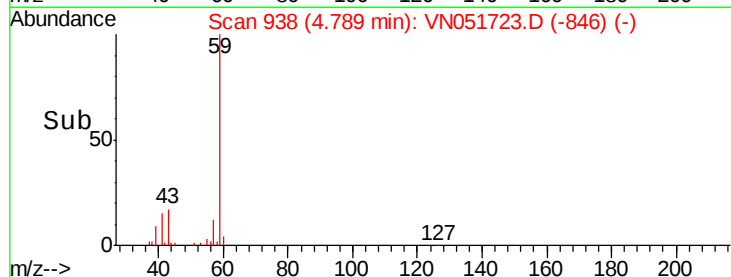
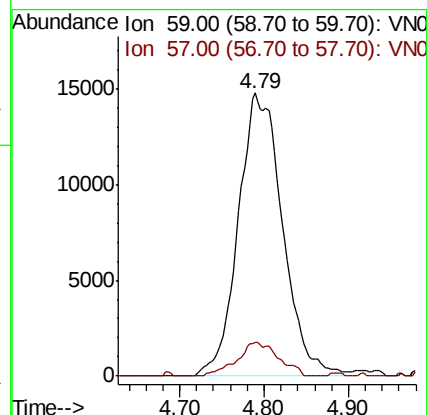
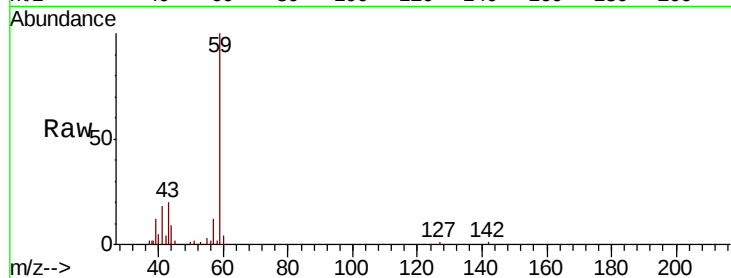


#11

Tert butyl alcohol
 Concen: 108.206 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

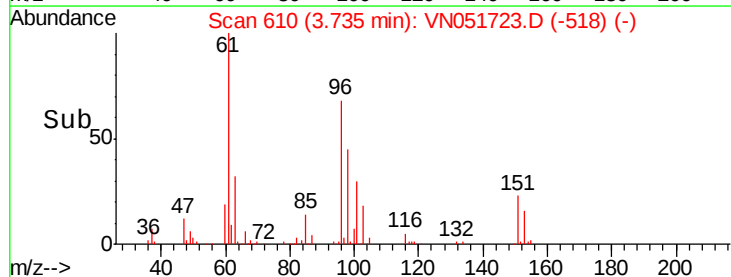
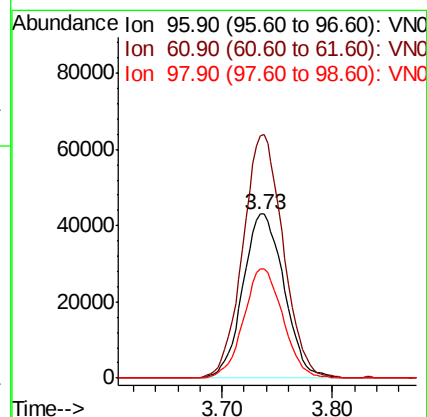
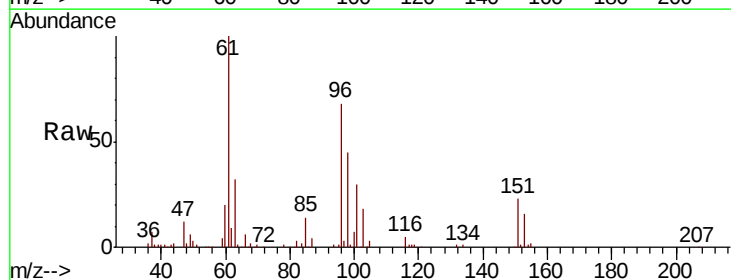
Tot Ion: 59 Resp: 53746
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.1 12.1

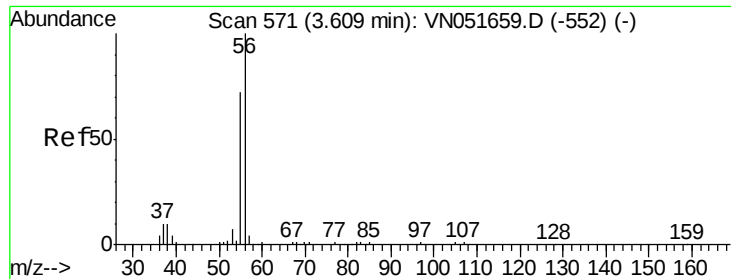


#12

1,1-Dichloroethene
 Concen: 21.610 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 96 Resp: 111338
 Ion Ratio Lower Upper
 96 100
 61 147.9 121.4 182.0
 98 66.6 49.9 74.9





#13

Acrolein

Concen: 98.223 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

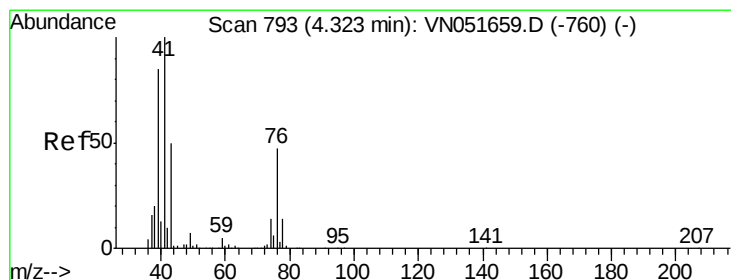
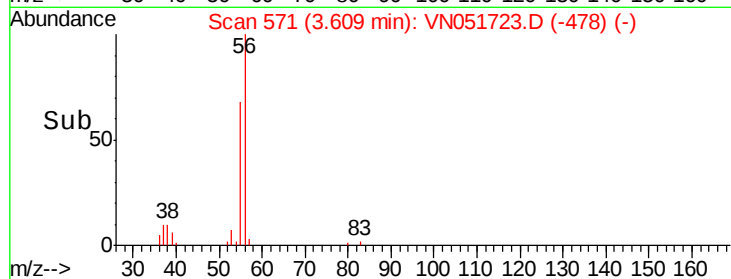
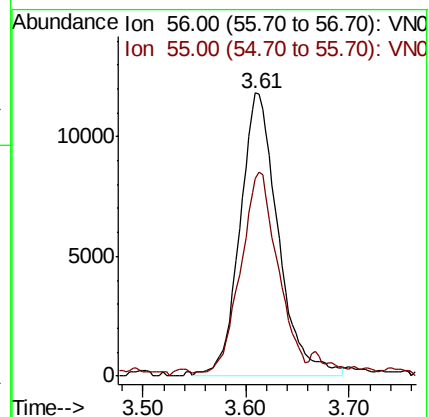
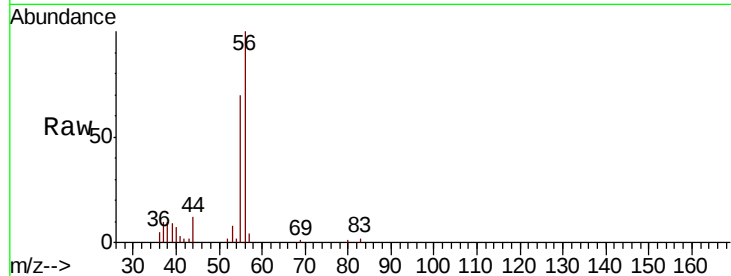
VN1008WBS01

Tot Ion: 56 Resp: 30480

Ion Ratio Lower Upper

56 100

55 68.1 57.5 86.3



#14

Allyl chloride

Concen: 20.406 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

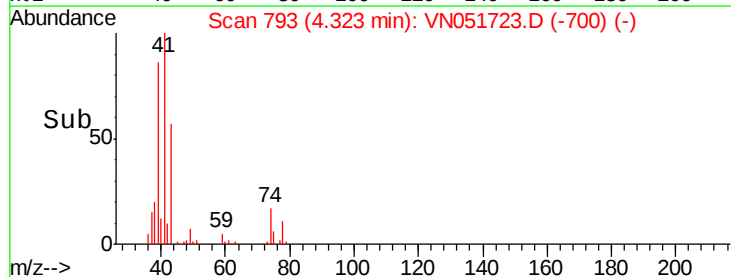
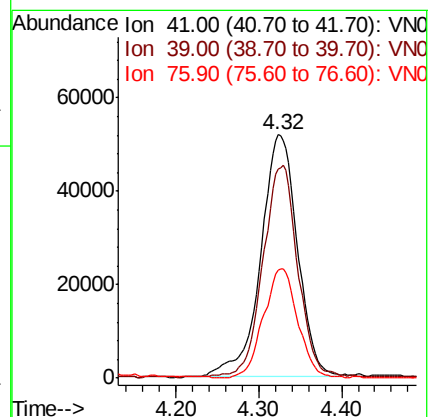
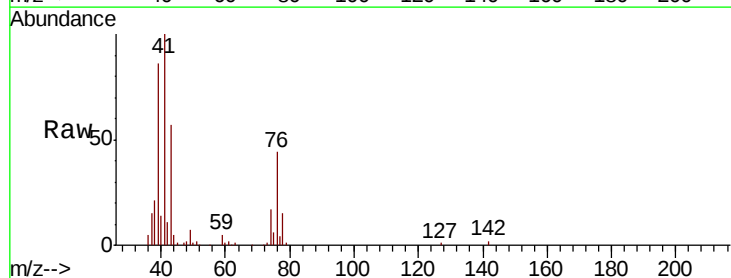
Tgt Ion: 41 Resp: 160355

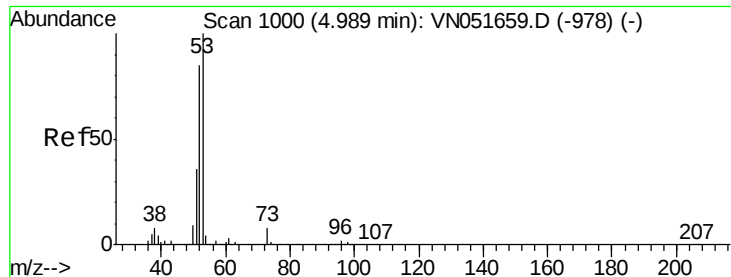
Ion Ratio Lower Upper

41 100

39 82.2 65.4 98.0

76 42.3 34.3 51.5





#15

Acrylonitrile

Concen: 102.829 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

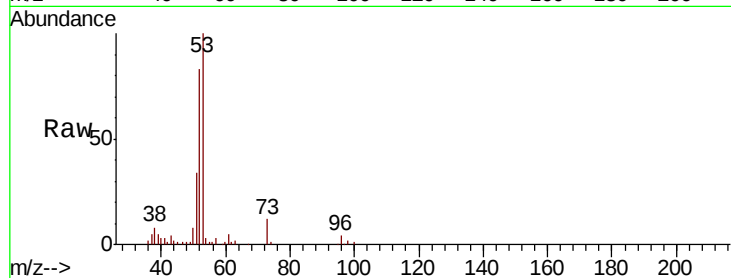
MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 53 Resp: 176251

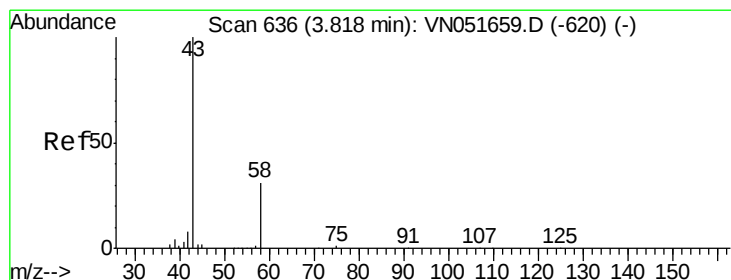
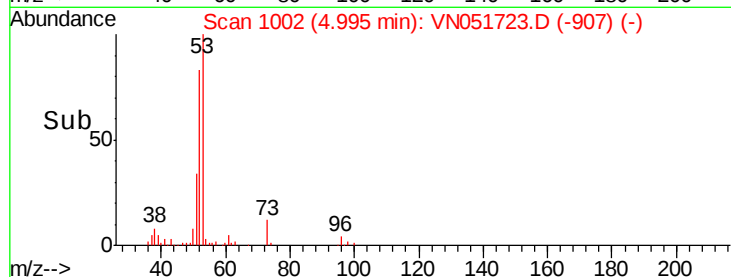
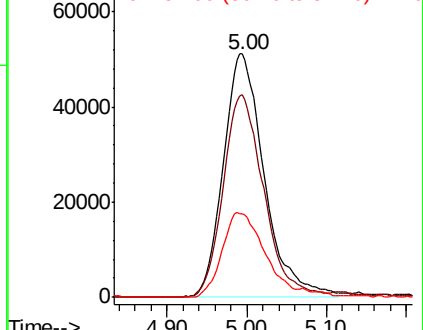
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	36.3	30.3	45.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 102.016 ug/l

RT: 3.82 min Scan# 638

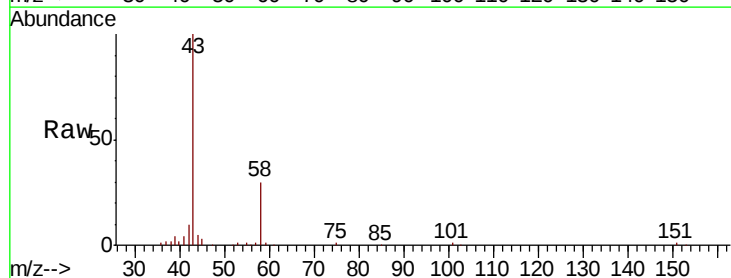
Delta R.T. 0.01 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

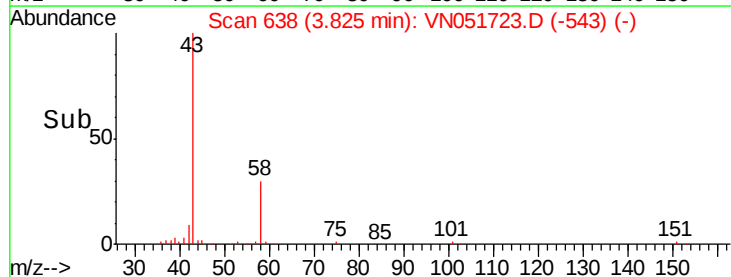
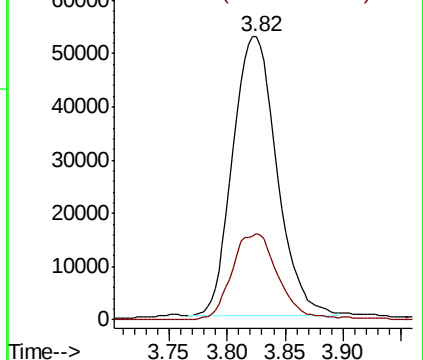
Tgt Ion: 43 Resp: 138523

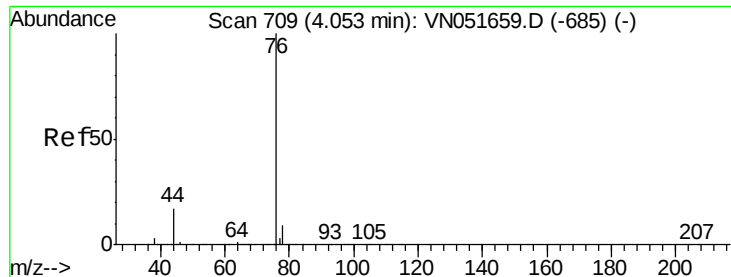
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.3	36.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

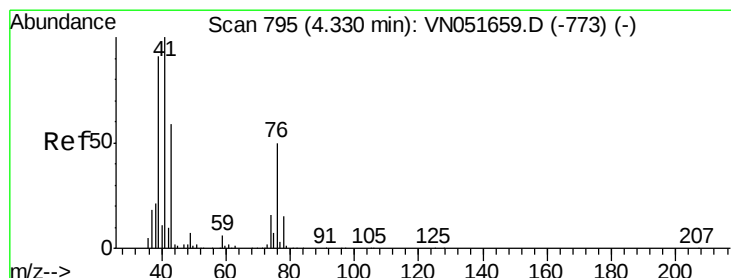
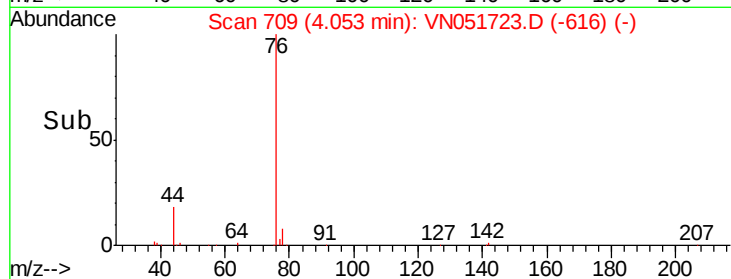
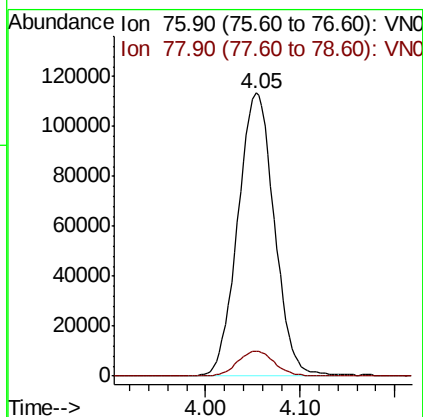
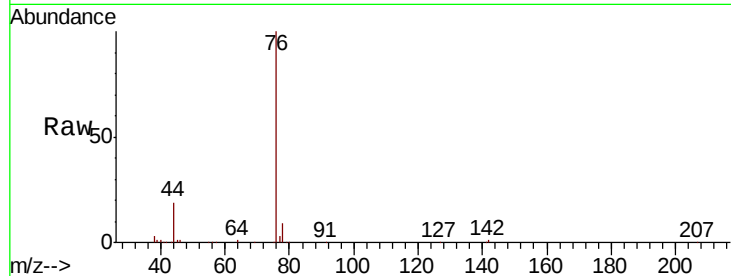




#17
Carbon Disulfide
Concen: 19.403 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

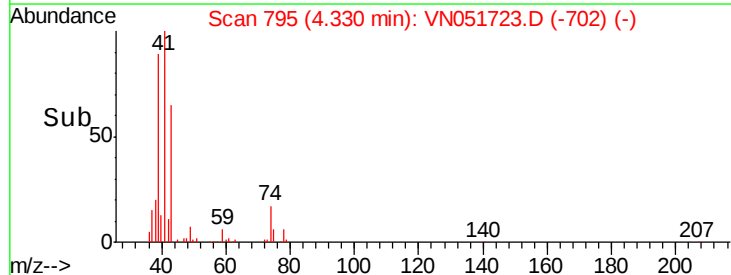
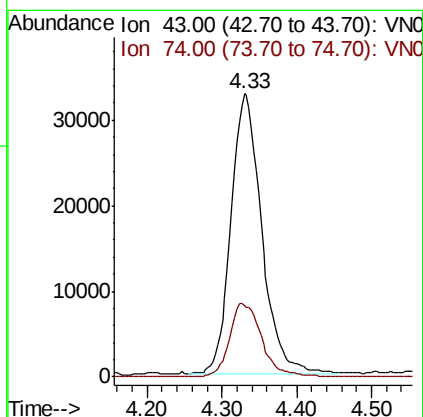
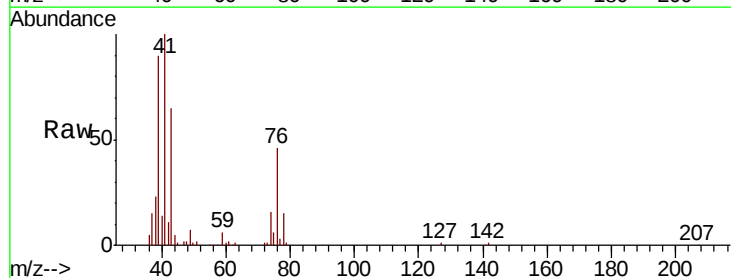
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

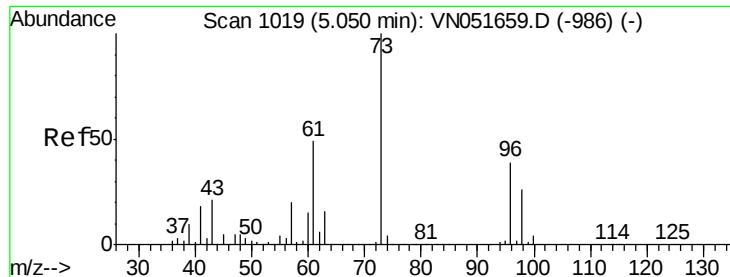
Tot Ion: 76 Resp: 303862
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 23.325 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 43 Resp: 94093
Ion Ratio Lower Upper
43 100
74 27.0 21.5 32.3



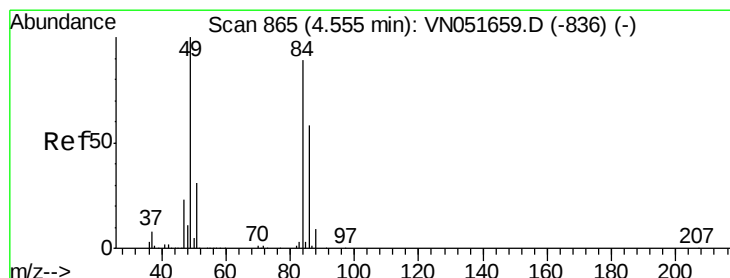
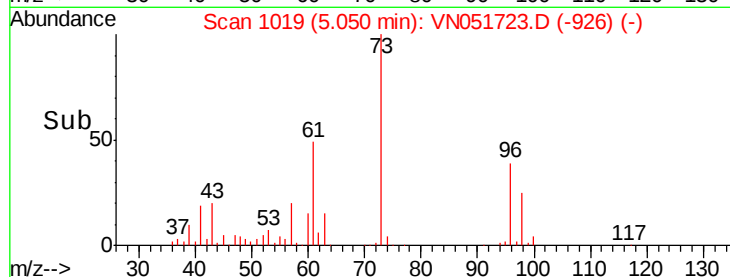
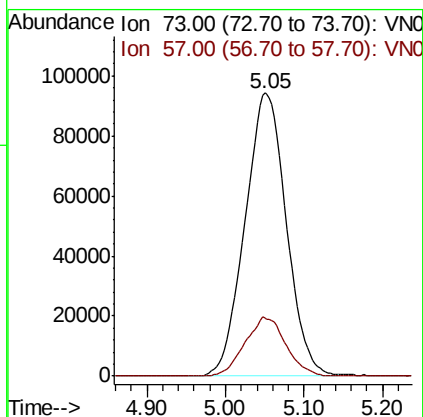
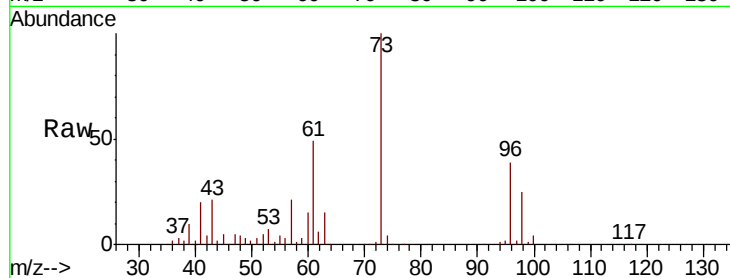


#19

Methyl tert-butyl Ether
 Concen: 20.523 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN1008WBS01

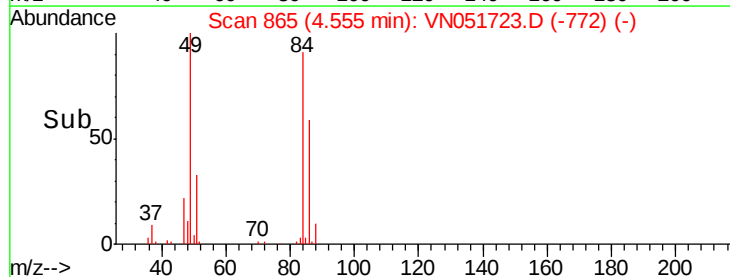
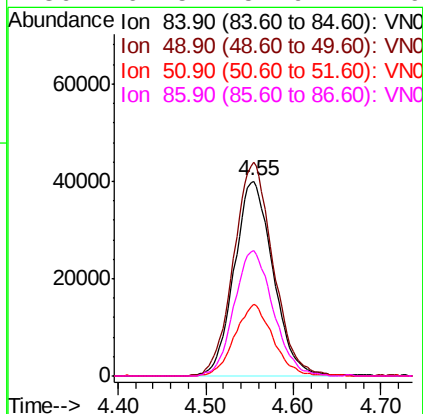
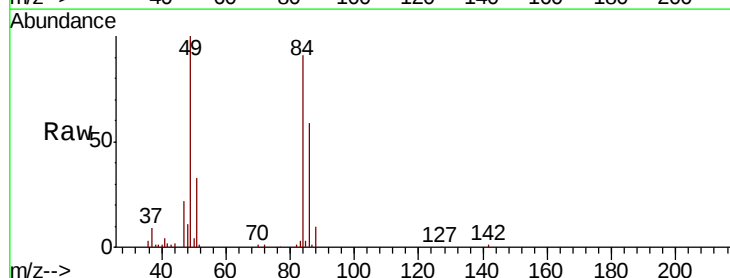
Tot Ion: 73 Resp: 349013
 Ion Ratio Lower Upper
 73 100
 57 20.6 15.6 23.4

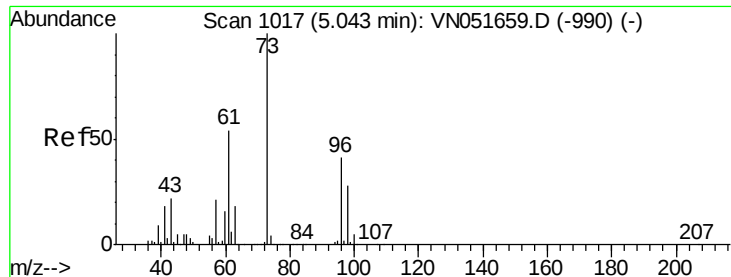


#20

Methylene Chloride
 Concen: 20.530 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 84 Resp: 123450
 Ion Ratio Lower Upper
 84 100
 49 109.6 89.5 134.3
 51 36.5 27.4 41.0
 86 64.5 51.9 77.9

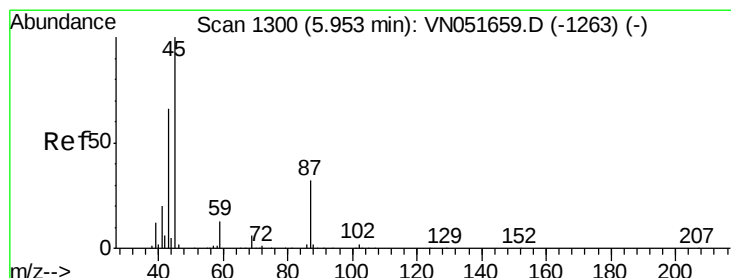
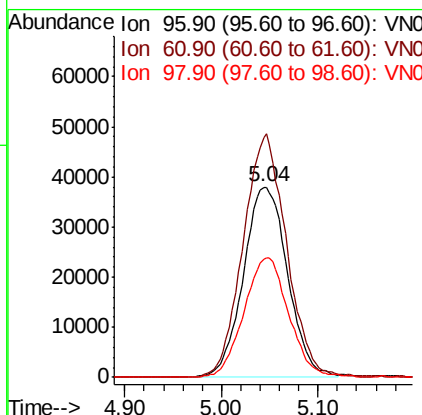
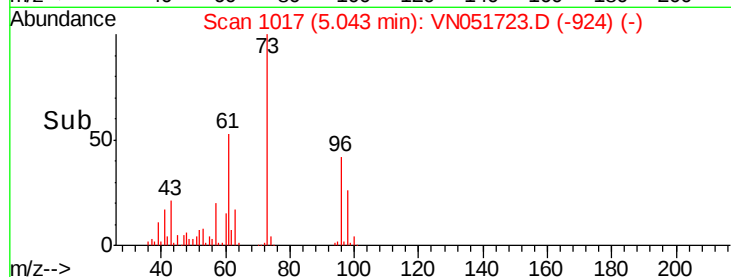
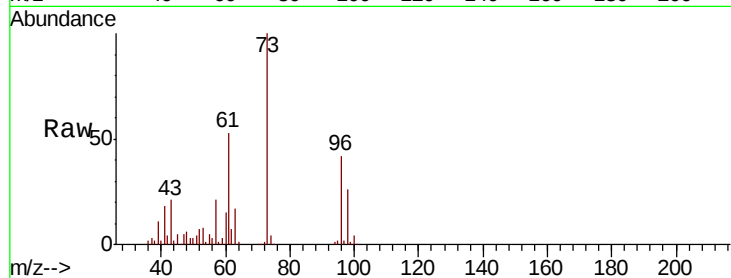




#21
trans-1,2-Dichloroethene
Concen: 19.747 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

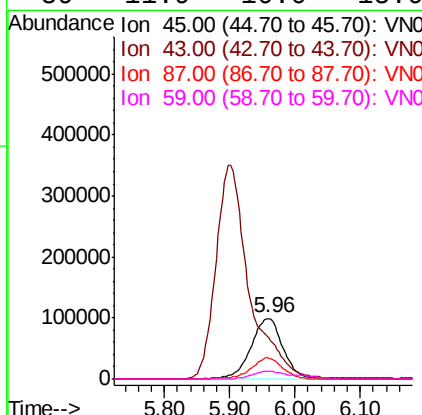
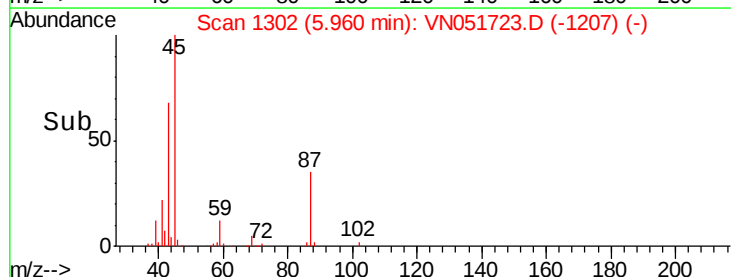
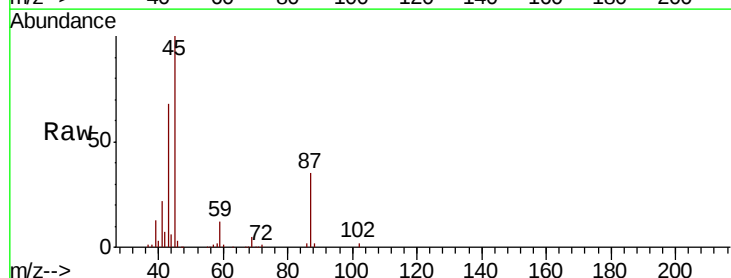
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

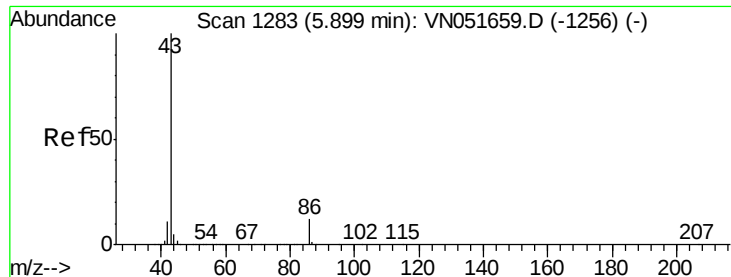
Tot Ion: 96 Resp: 120559
Ion Ratio Lower Upper
96 100
61 126.0 104.7 157.1
98 62.0 54.6 82.0



#22
Diisopropyl ether
Concen: 19.930 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 45 Resp: 335715
Ion Ratio Lower Upper
45 100
43 67.0 53.0 79.4
87 35.0 26.4 39.6
59 11.9 10.0 15.0





#23

Vinyl Acetate

Concen: 100.126 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

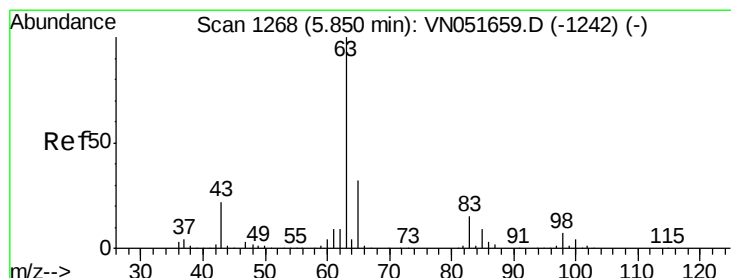
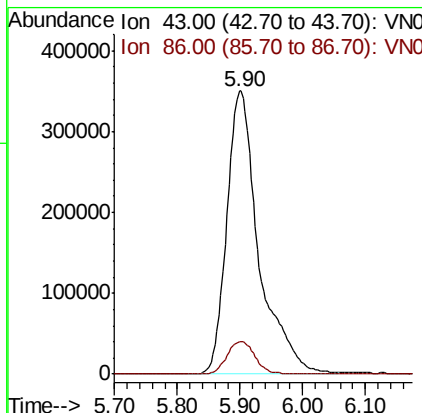
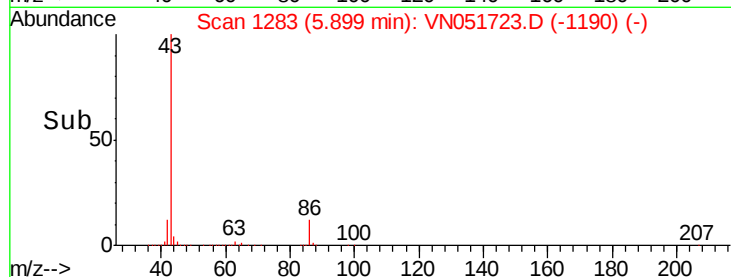
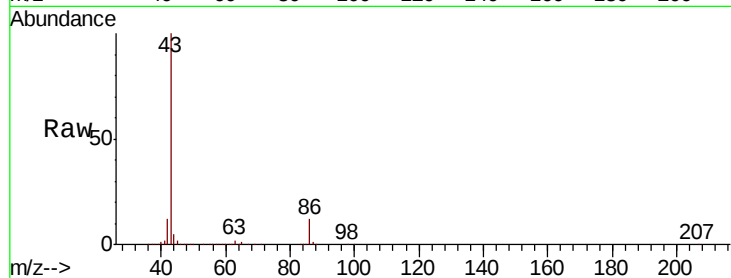
VN1008WBS01

Tot Ion: 43 Resp: 1240115

Ion Ratio Lower Upper

43 100

86 11.5 9.3 13.9



#24

1,1-Dichloroethane

Concen: 20.266 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

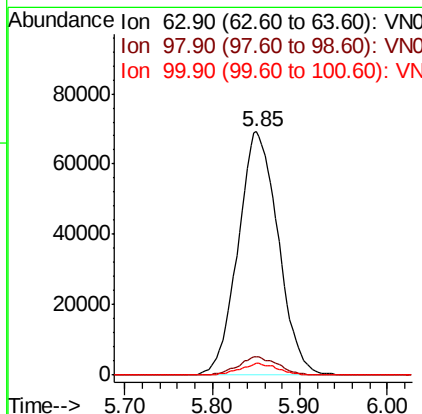
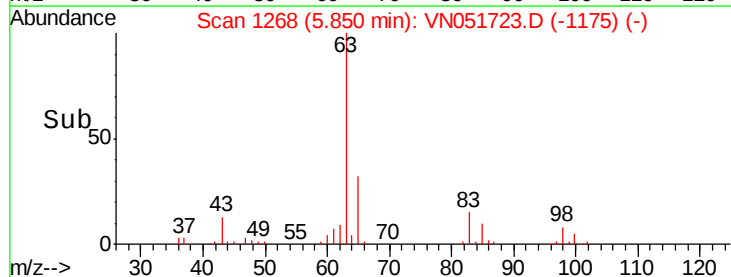
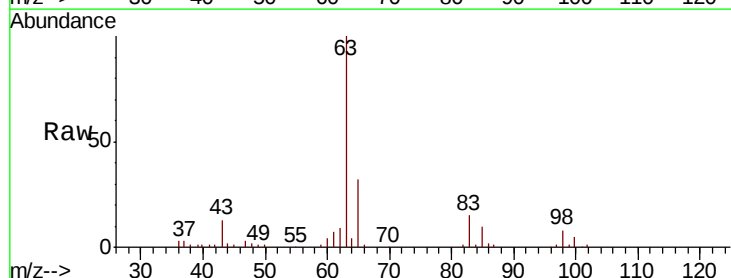
Tgt Ion: 63 Resp: 219545

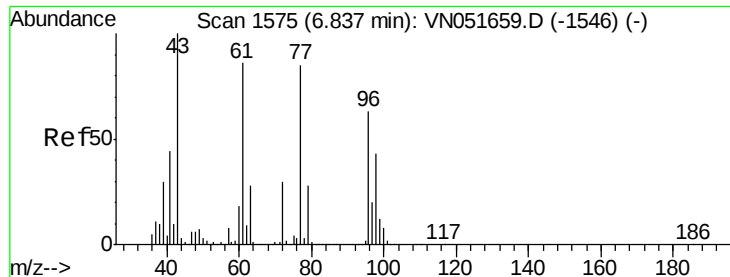
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

100 4.8 2.2 6.6

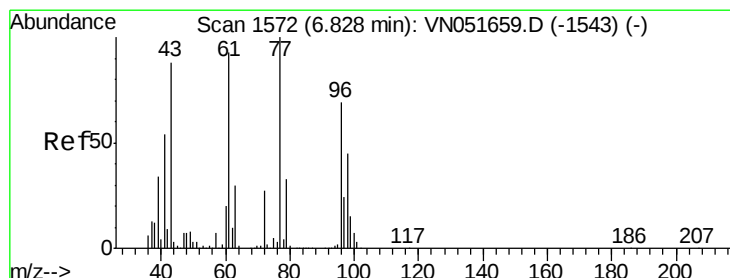
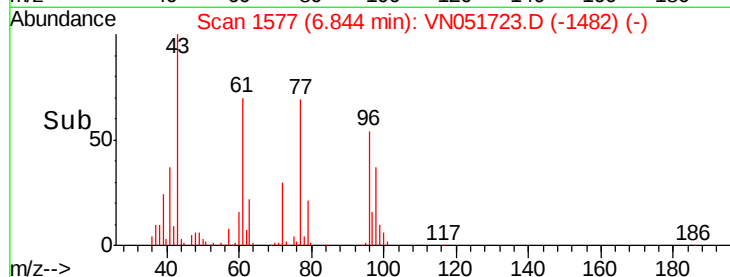
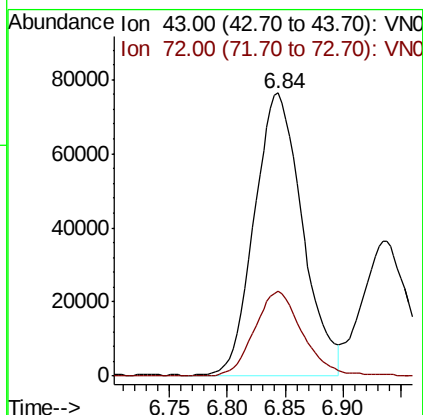
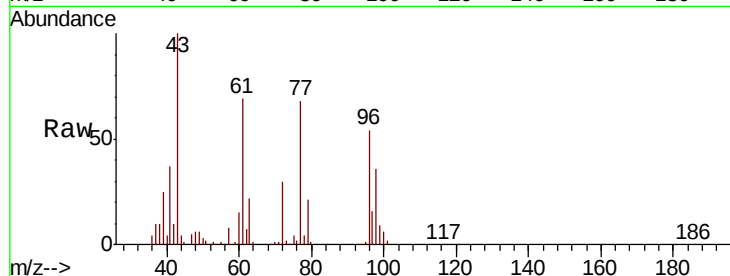




#25
2-Butanone
Concen: 103.884 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

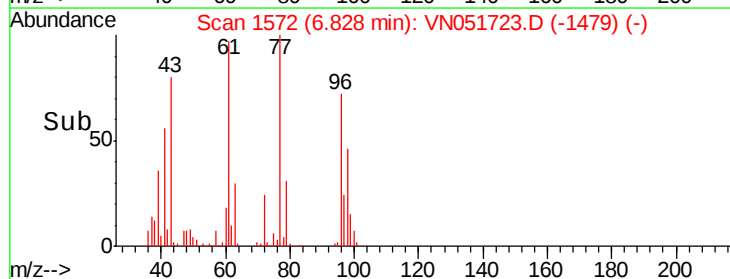
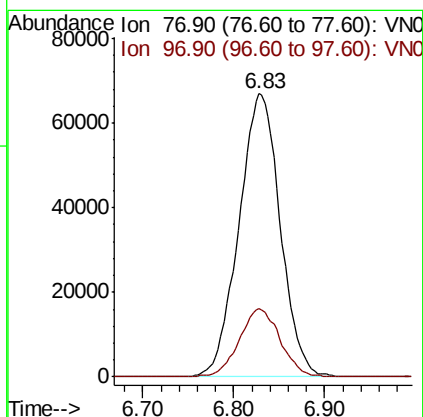
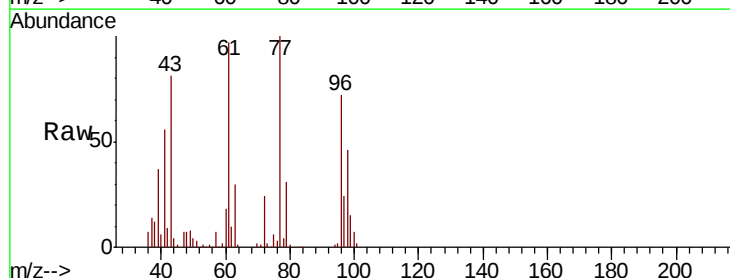
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

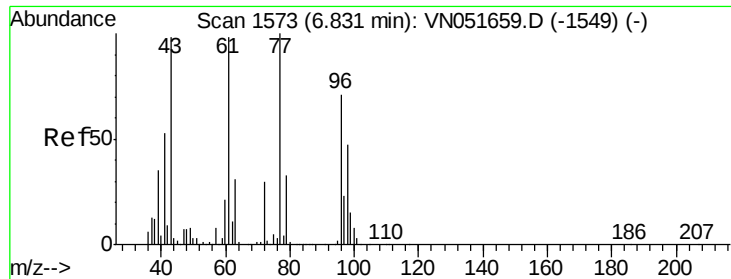
Tot Ion: 43 Resp: 219242
Ion Ratio Lower Upper
43 100
72 30.0 24.2 36.2



#26
2,2-Dichloropropane
Concen: 19.399 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 77 Resp: 210597
Ion Ratio Lower Upper
77 100
97 23.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.233 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

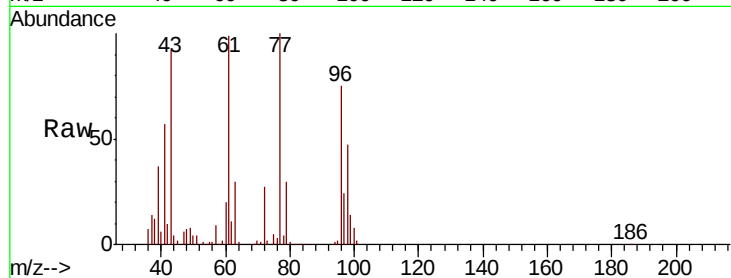
Tot Ion: 96 Resp: 143400

Ion Ratio Lower Upper

96 100

61 133.3 0.0 275.4

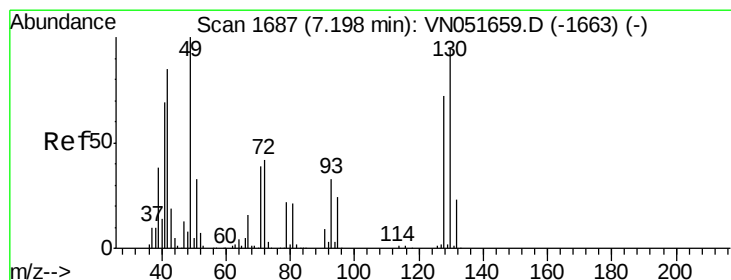
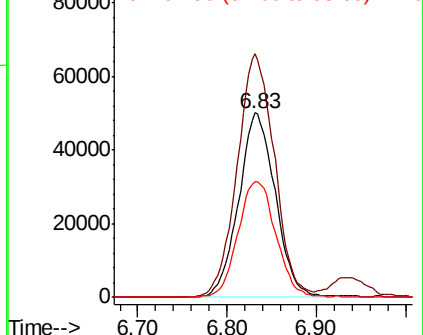
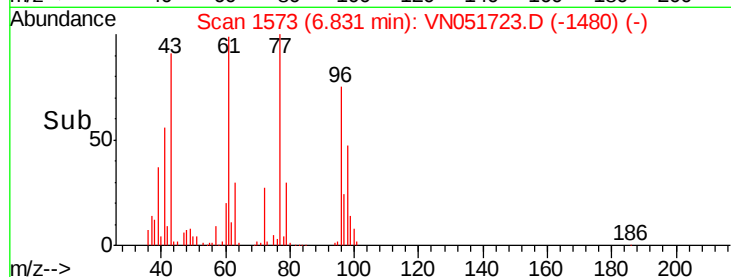
98 64.9 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.733 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

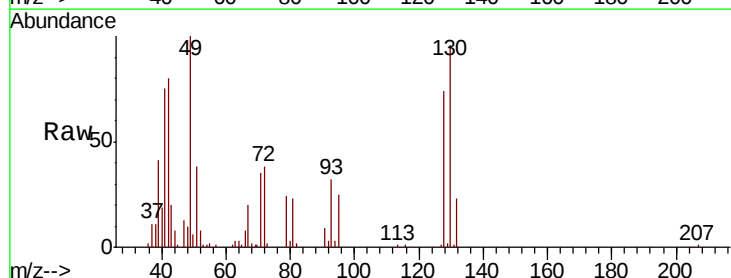
Tgt Ion: 49 Resp: 94640

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.8

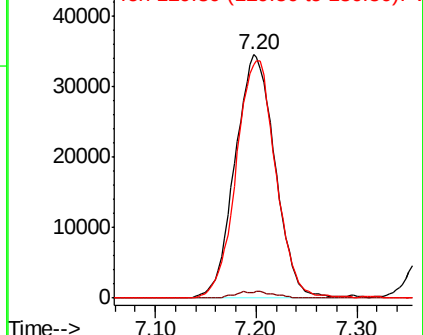
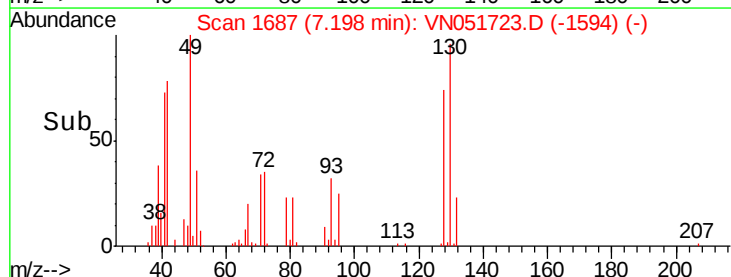
130 95.9 75.7 113.5

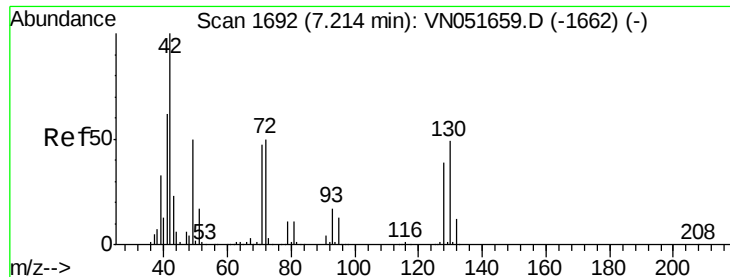


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

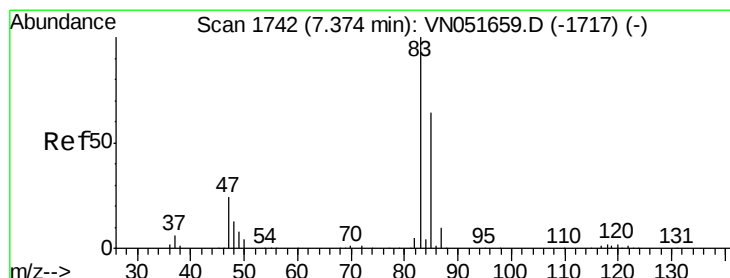
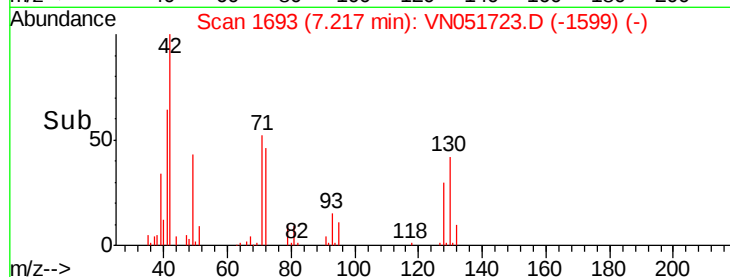
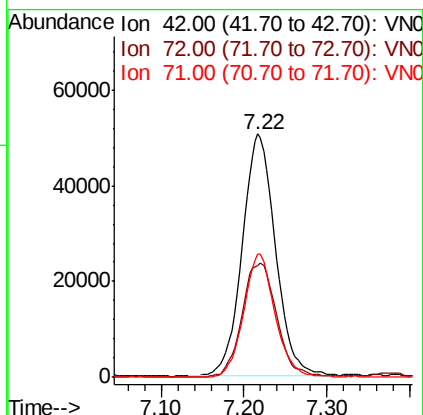
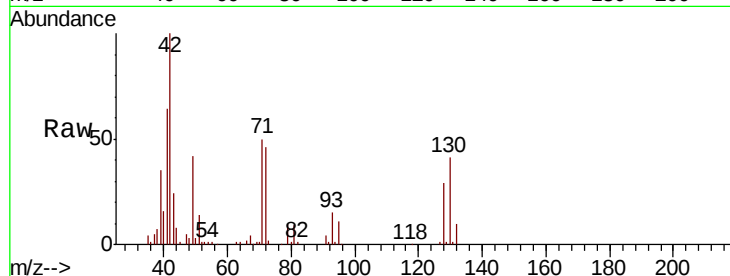




#29
Tetrahydrofuran
Concen: 108.751 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

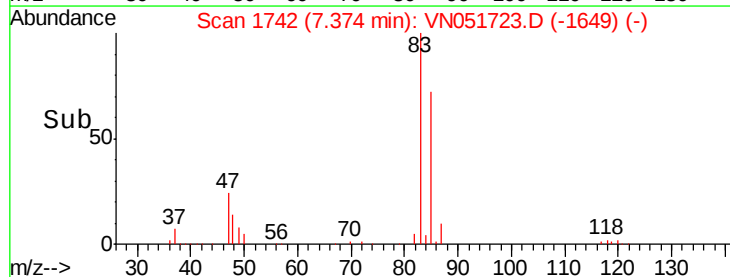
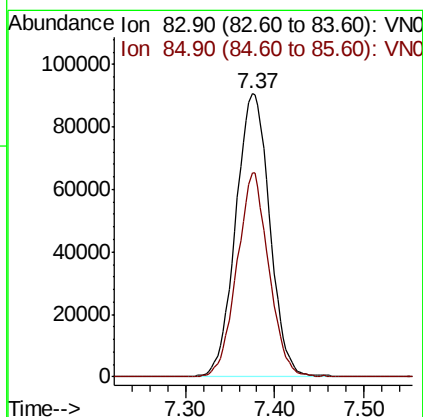
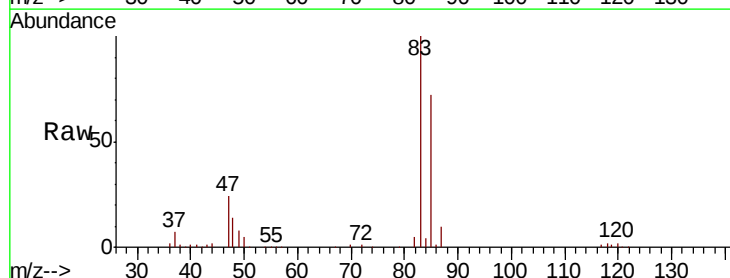
Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

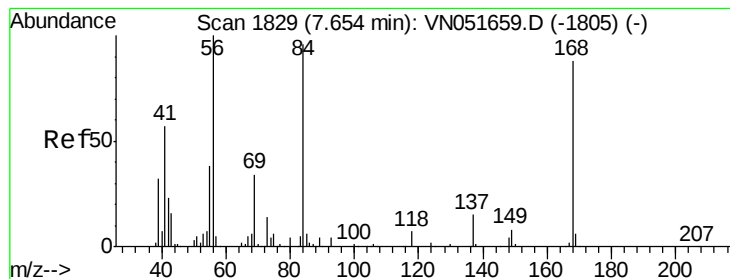
Tot Ion: 42 Resp: 140845
Ion Ratio Lower Upper
42 100
72 49.5 40.1 60.1
71 47.7 38.0 57.0



#30
Chloroform
Concen: 19.752 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 83 Resp: 240421
Ion Ratio Lower Upper
83 100
85 72.1 51.6 77.4





#31

Cyclohexane

Concen: 19.307 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN1008WBS01

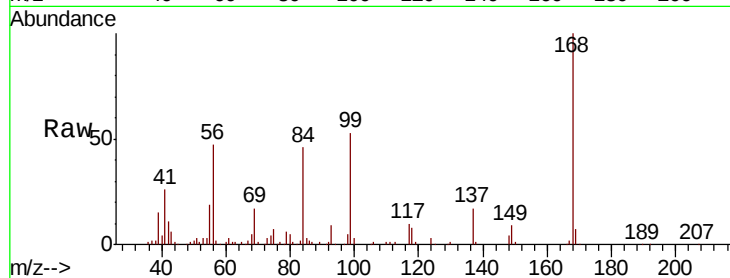
Tot Ion: 56 Resp: 191552

Ion Ratio Lower Upper

56 100

69 36.7 27.5 41.3

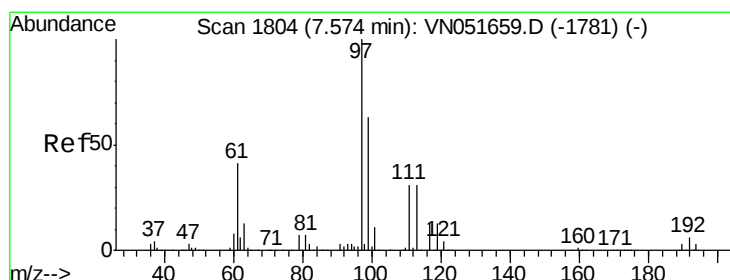
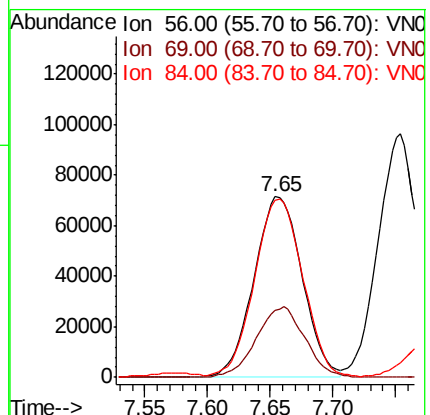
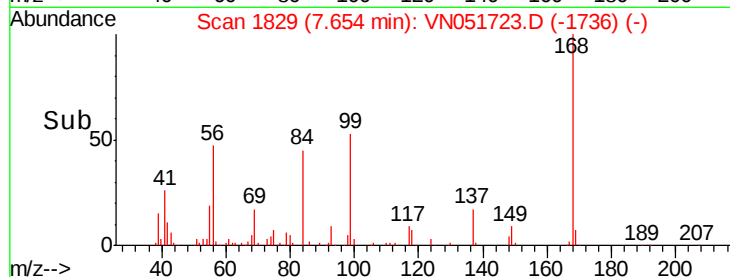
84 96.0 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VN051723.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051723.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051723.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.673 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

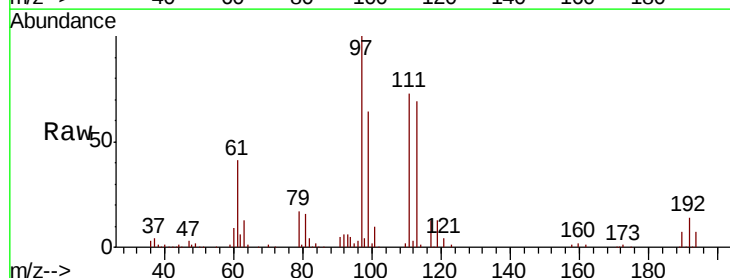
Tgt Ion: 97 Resp: 232108

Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

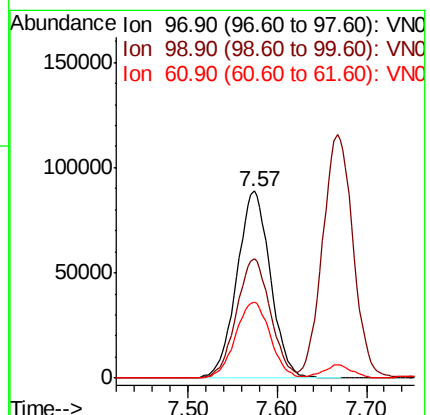
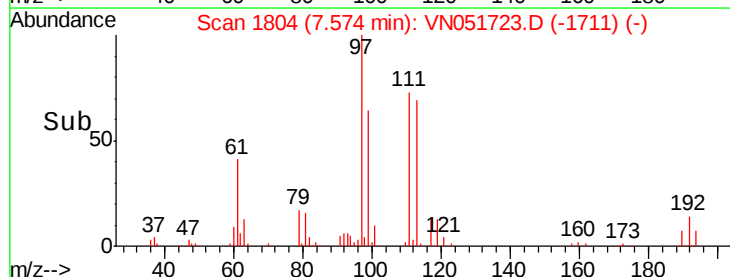
61 42.1 33.4 50.0

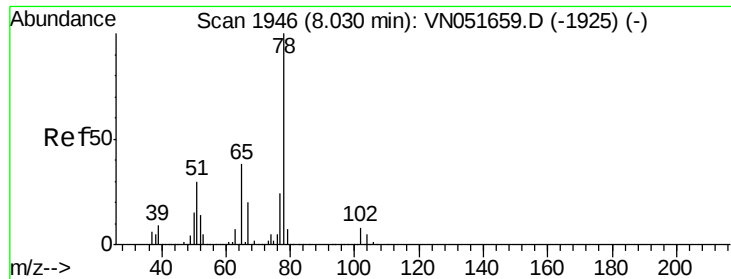


Abundance Ion 96.90 (96.60 to 97.60): VN051723.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051723.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051723.D (-1711) (-)

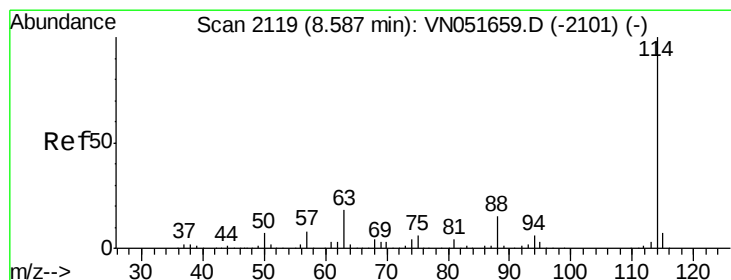
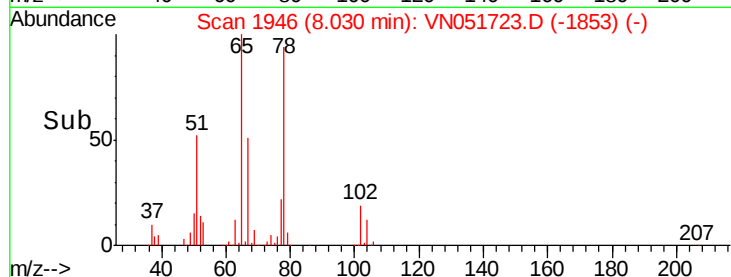
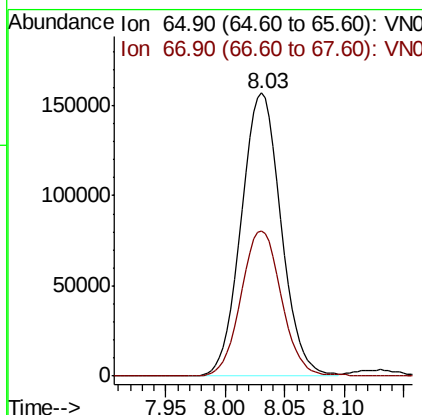
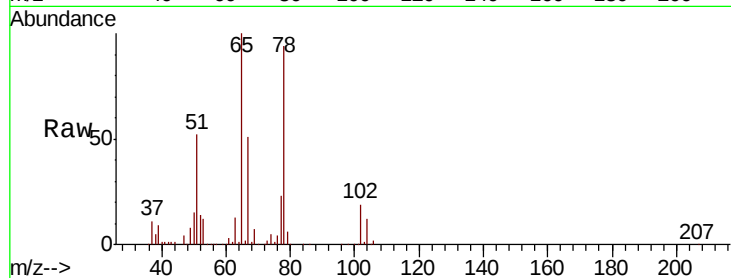




#33
 1,2-Dichloroethane-d4
 Concen: 19.673 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

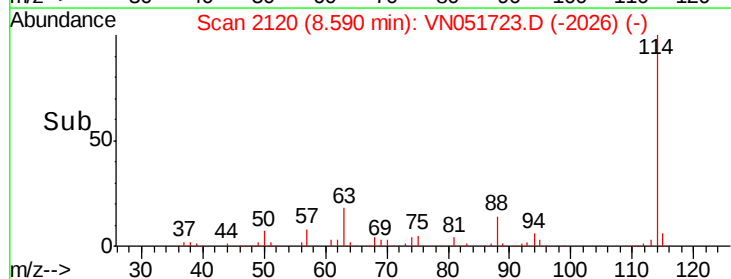
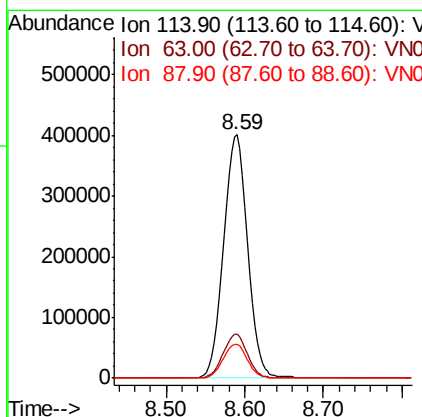
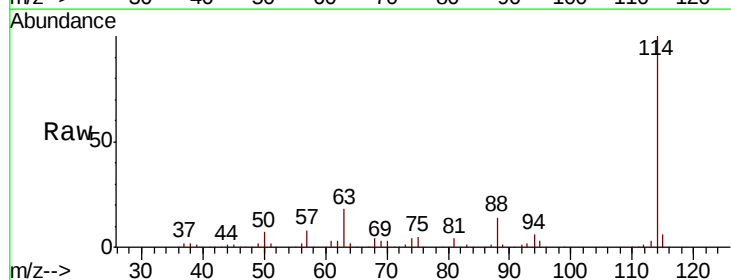
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

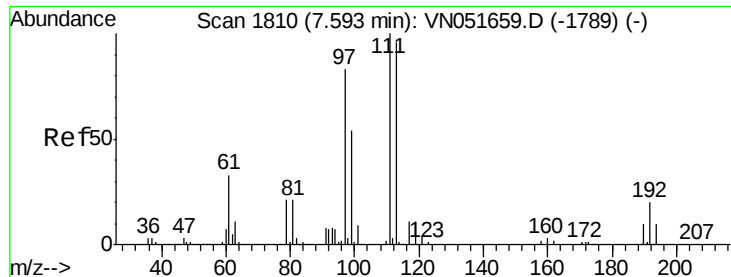
Tot Ion: 65 Resp: 363969
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 114 Resp: 844726
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.2
 88 13.9 0.0 30.2

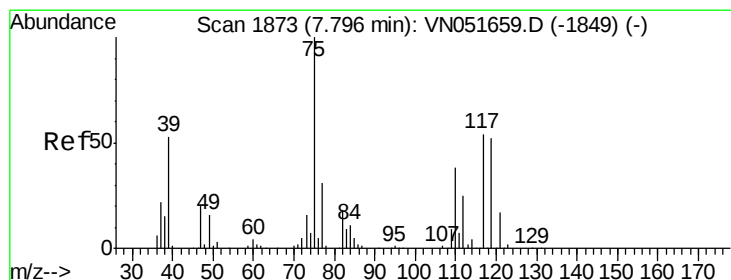
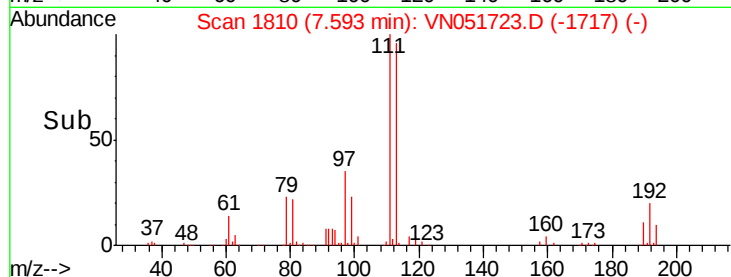
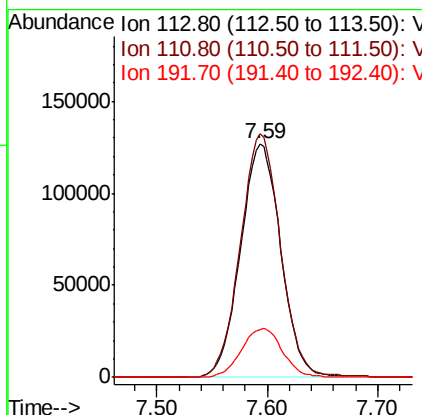
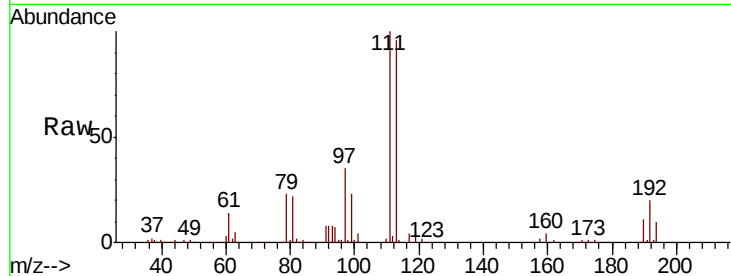




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

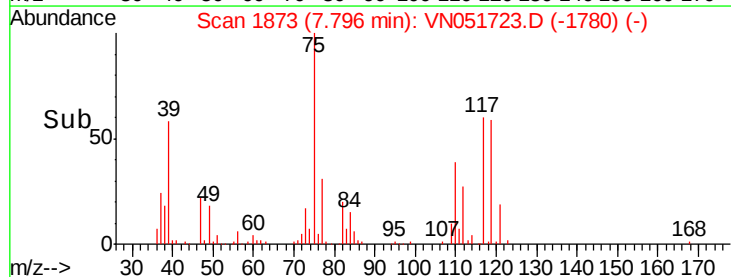
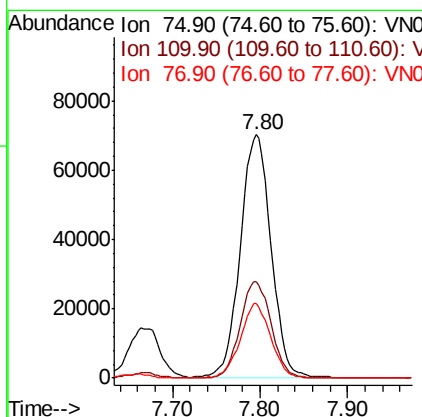
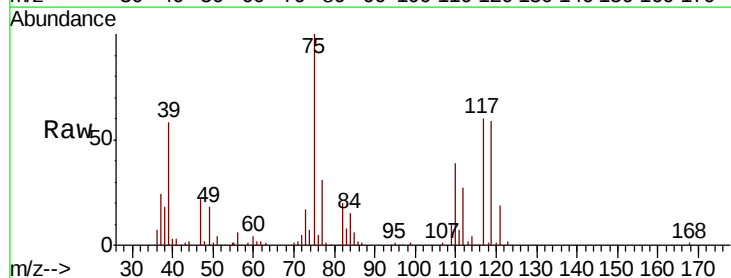
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

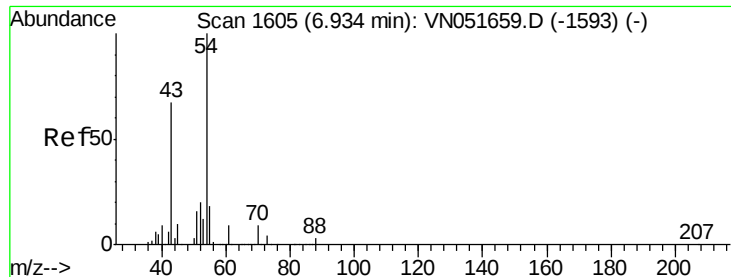
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.8
192	21.3	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 19.365 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.3	57.8
77	30.6	24.7	37.1

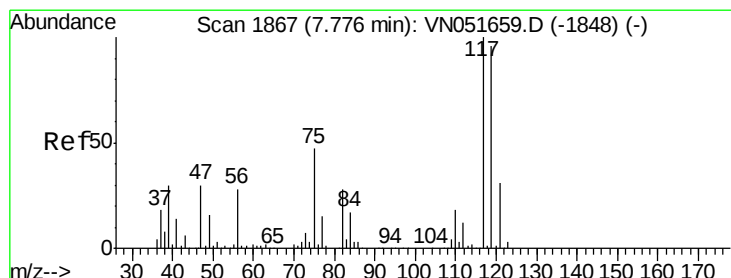
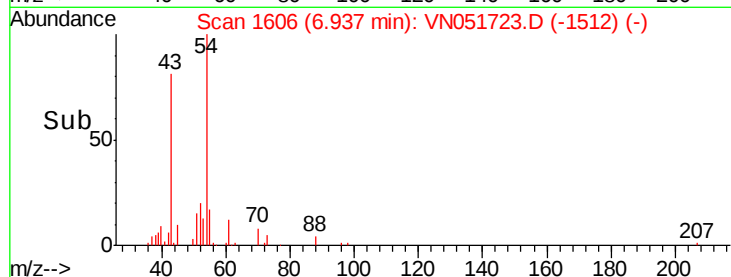
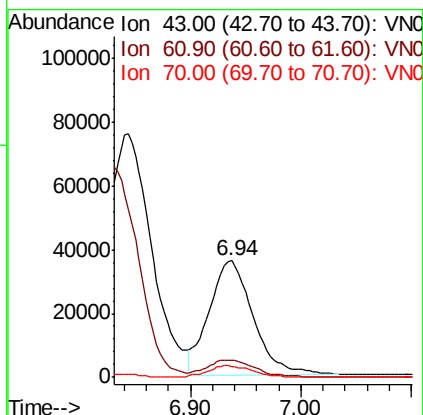
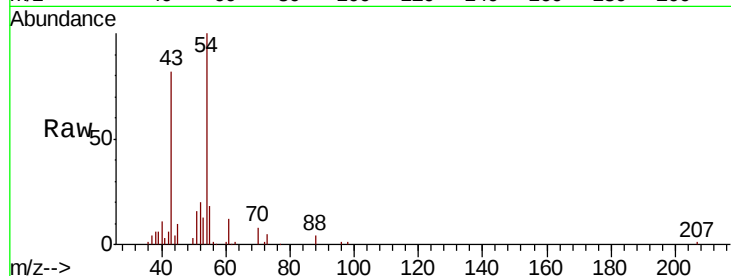




#37
Ethyl Acetate
Concen: 21.568 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

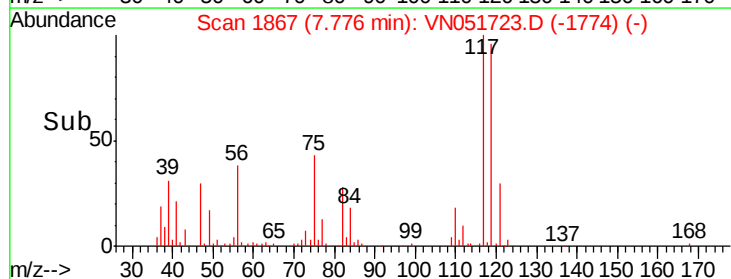
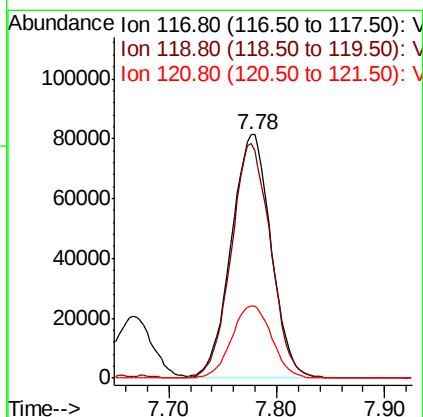
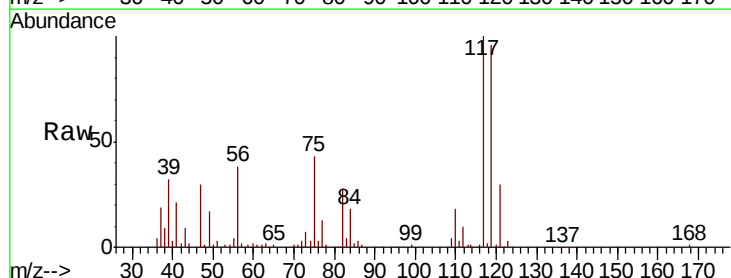
Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

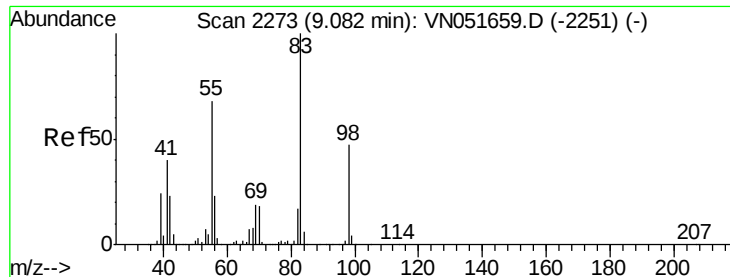
Tot Ion: 43 Resp: 99320
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 9.5 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 117 Resp: 209210
Ion Ratio Lower Upper
117 100
119 96.1 77.0 115.6
121 29.7 25.0 37.6

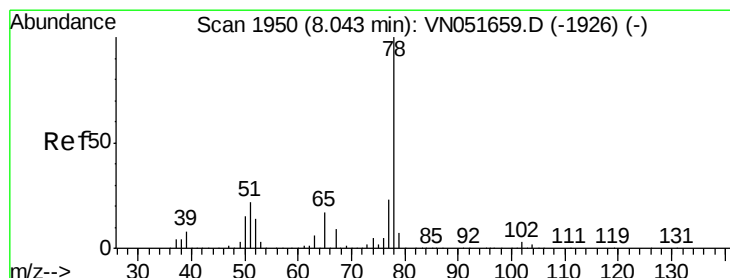
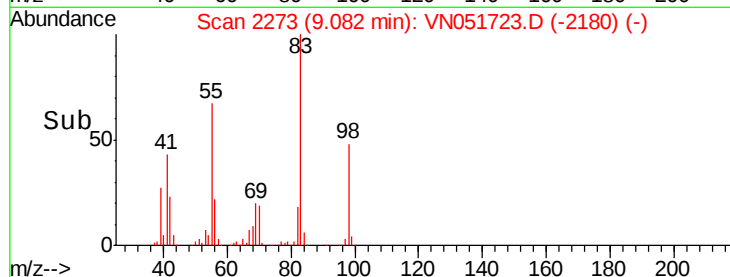
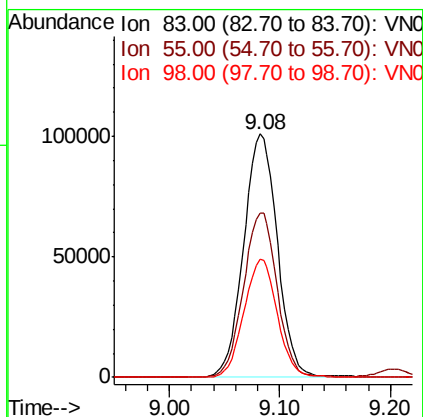
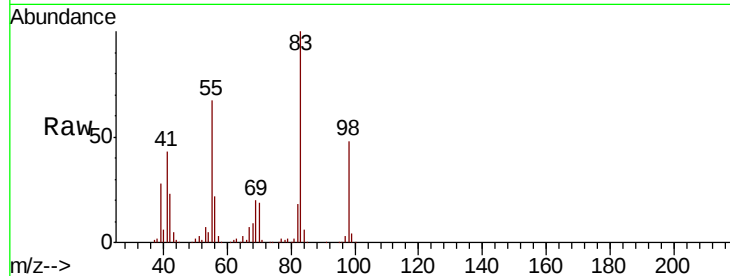




#39
Methvlcvclohexane
Concen: 19.307 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

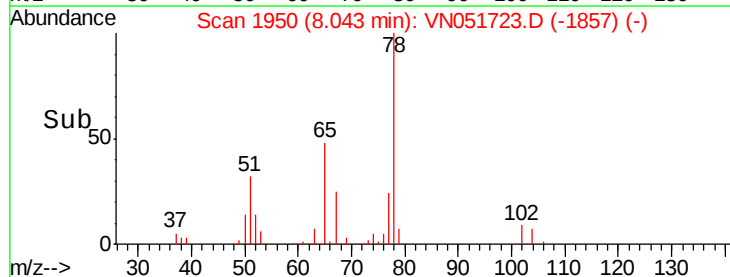
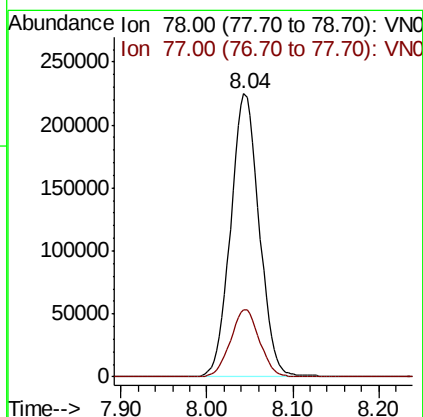
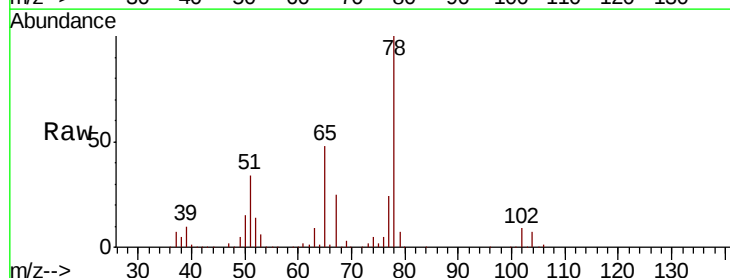
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

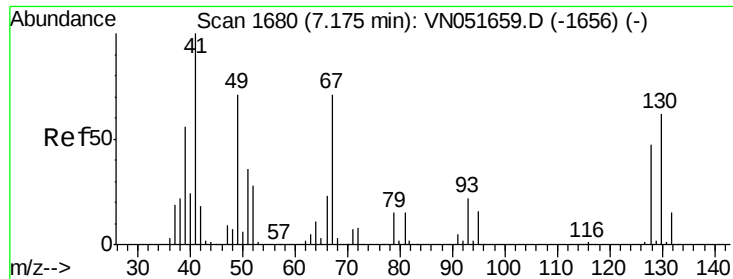
Tot Ion: 83 Resp: 213992
Ion Ratio Lower Upper
83 100
55 67.2 54.3 81.5
98 48.3 37.4 56.2



#40
Benzene
Concen: 19.826 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 78 Resp: 518943
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7





#41

Methacrylonitrile

Concen: 61.247 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 41 Resp: 145161

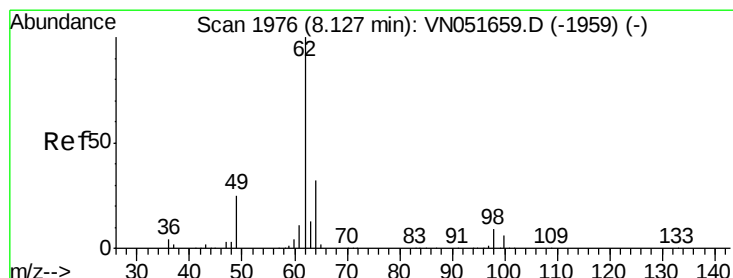
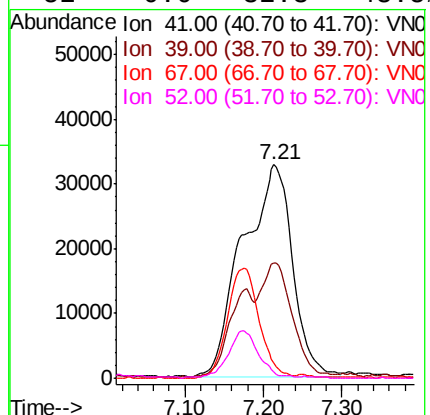
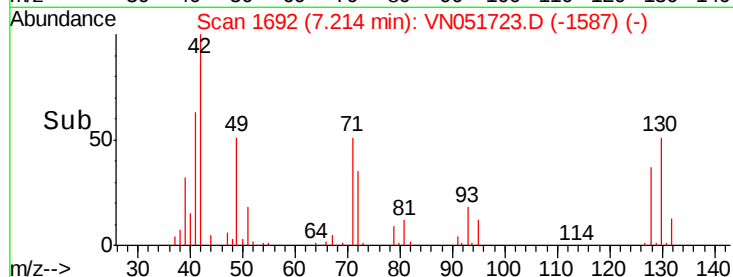
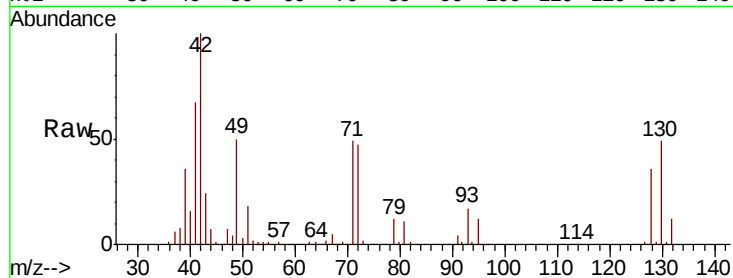
Ion Ratio Lower Upper

41 100

39 0.0 53.9 80.9#

67 0.0 78.1 117.1#

52 0.0 32.3 48.5#



#42

1,2-Dichloroethane

Concen: 20.058 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051723.D

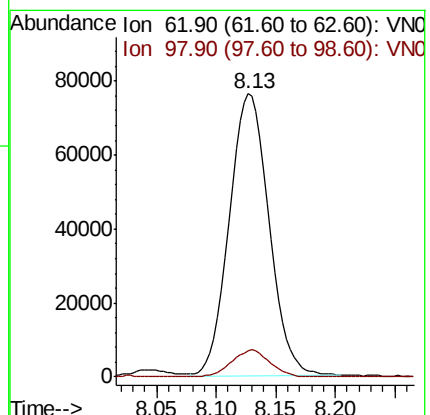
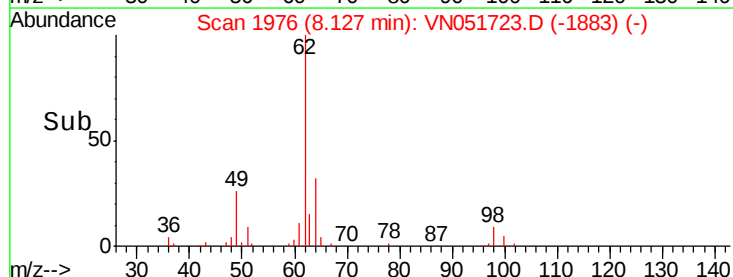
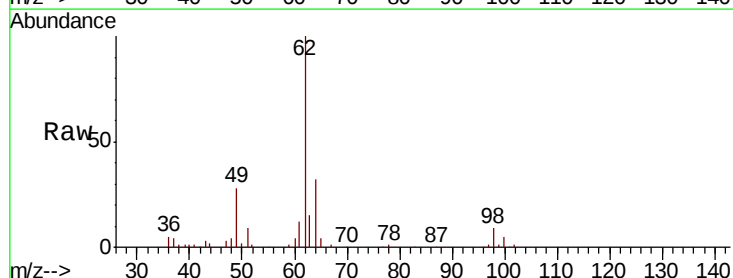
Acq: 8 Oct 2018 10:02

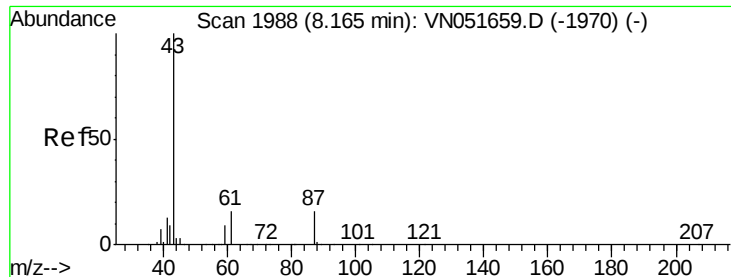
Tgt Ion: 62 Resp: 176933

Ion Ratio Lower Upper

62 100

98 9.2 0.0 18.4



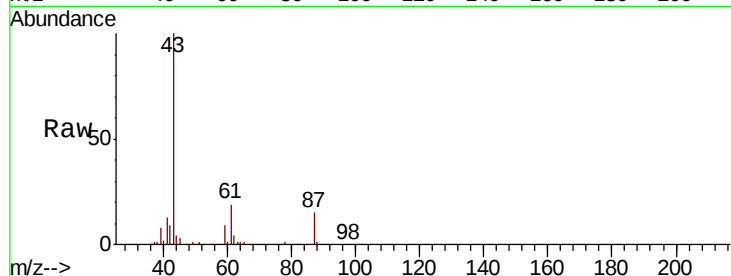


#43

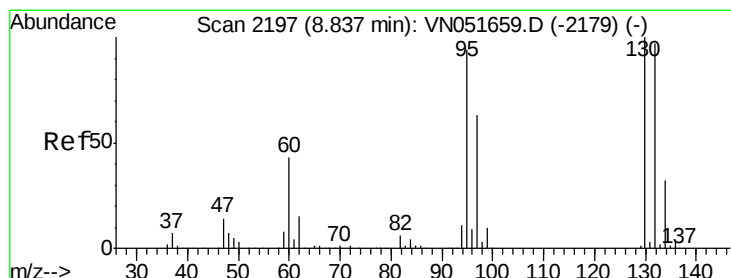
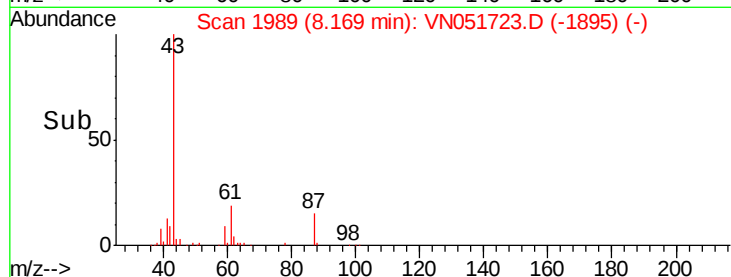
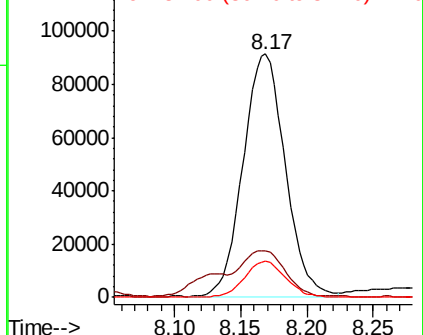
Isopropyl Acetate
 Concen: 20.911 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.8	23.6
87	14.6	12.6	19.0



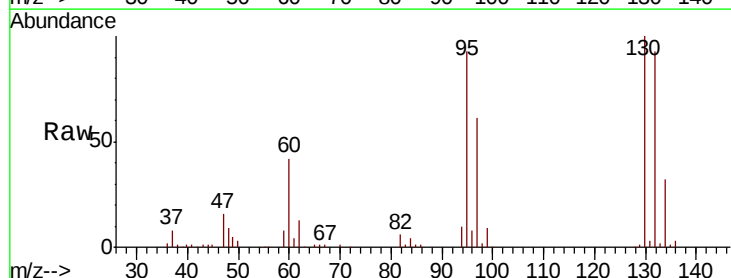
Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)
 Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)
 Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)



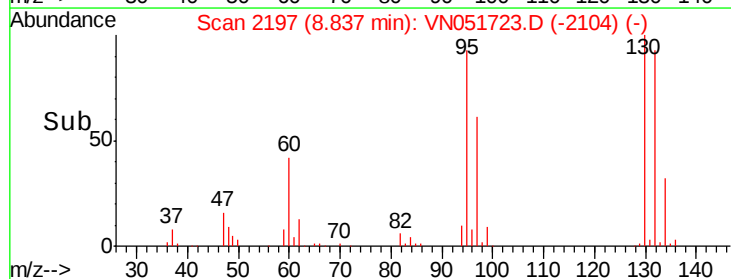
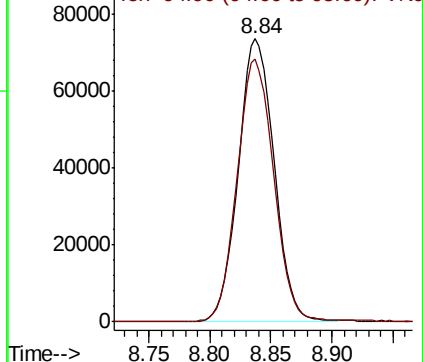
#44

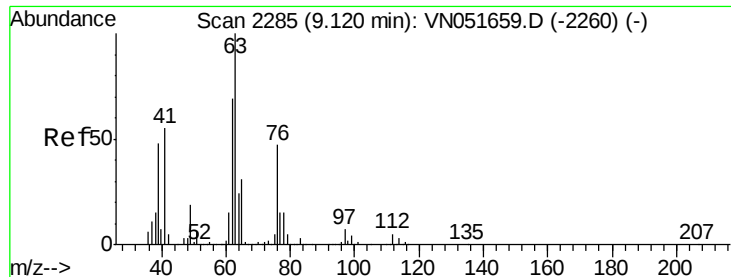
Trichloroethene
 Concen: 20.081 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.748 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

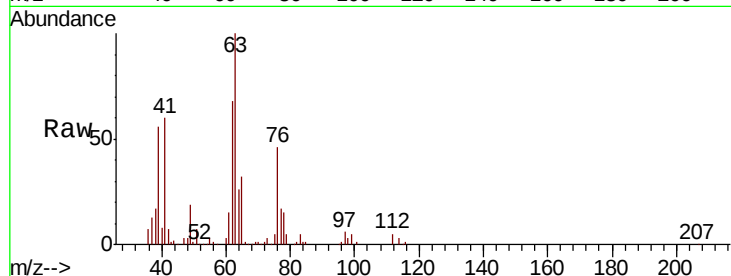
VN1008WBS01

Tot Ion: 63 Resp: 127801

Ion Ratio Lower Upper

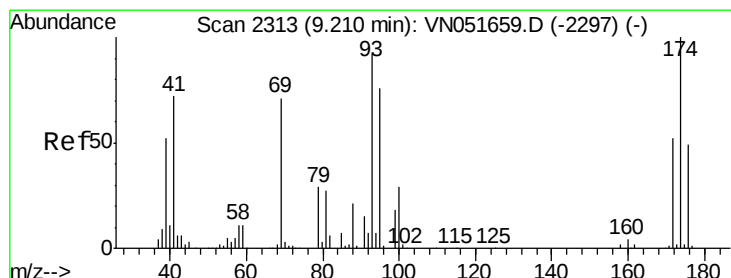
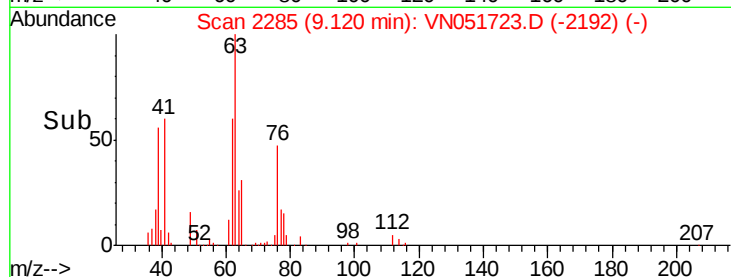
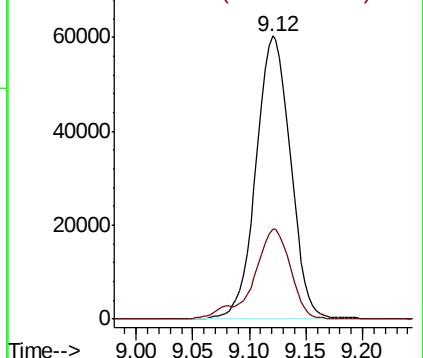
63 100

65 31.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.232 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

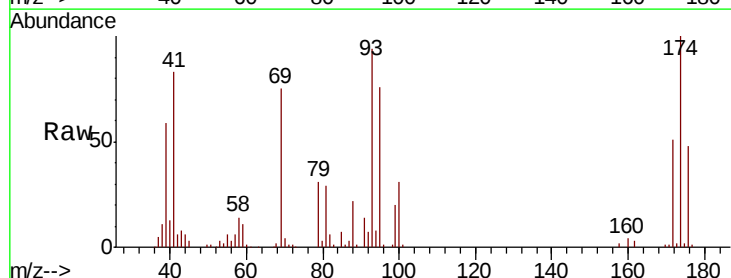
Tgt Ion: 93 Resp: 91006

Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

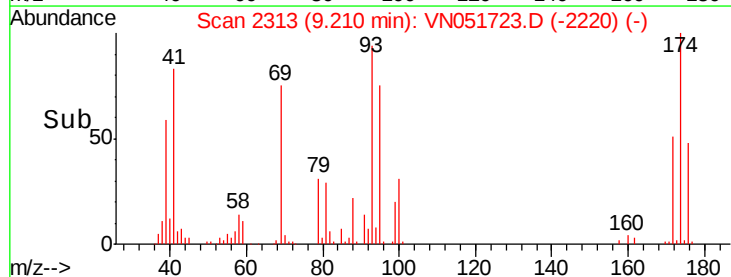
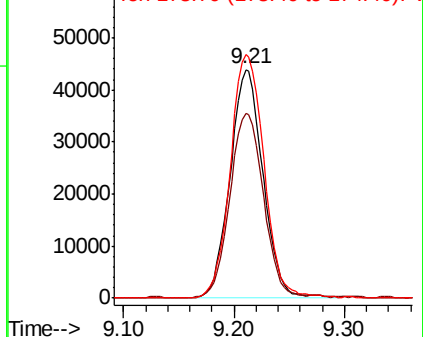
174 108.7 85.9 128.9

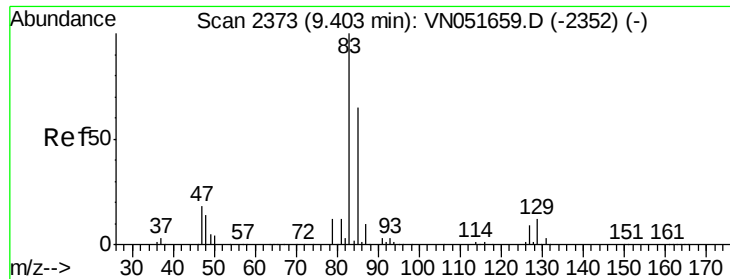


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

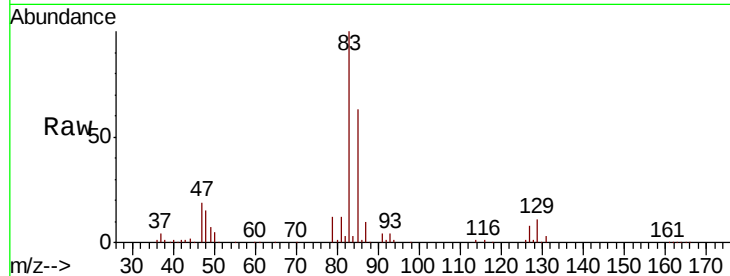




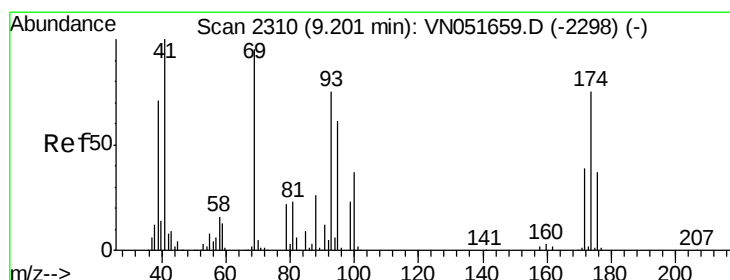
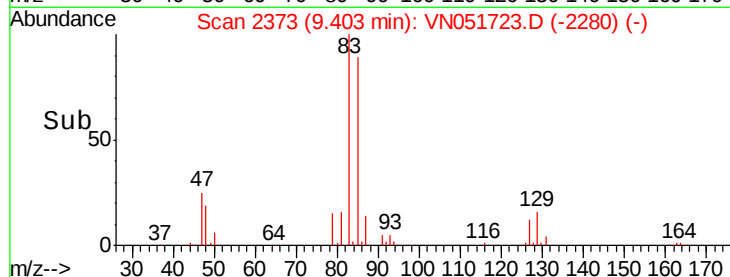
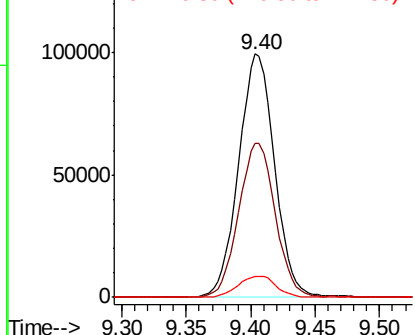
#47
Bromodichloromethane
Concen: 19.493 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

Tot Ion: 83 Resp: 193024
Ion Ratio Lower Upper
83 100
85 63.4 51.6 77.4
127 8.3 7.3 10.9

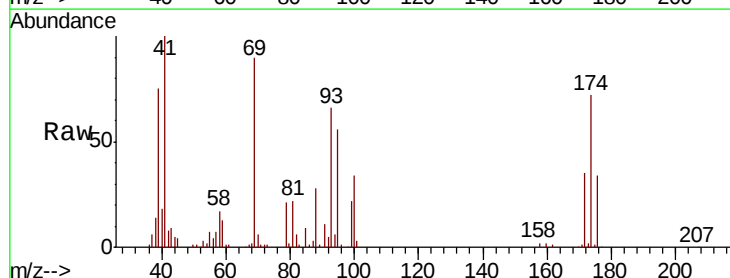


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

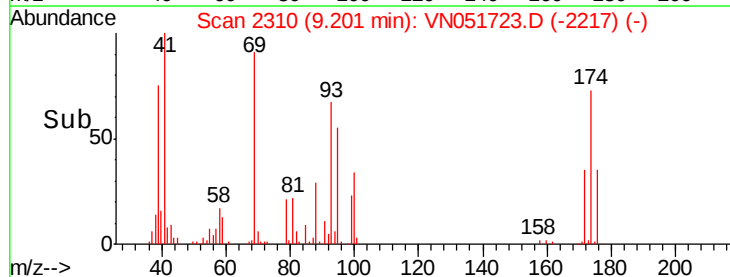
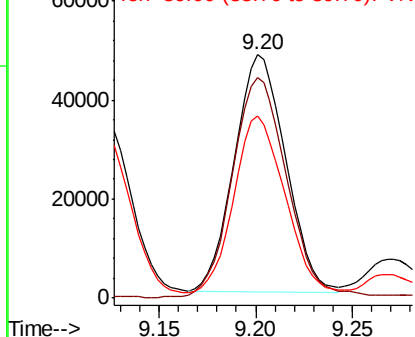


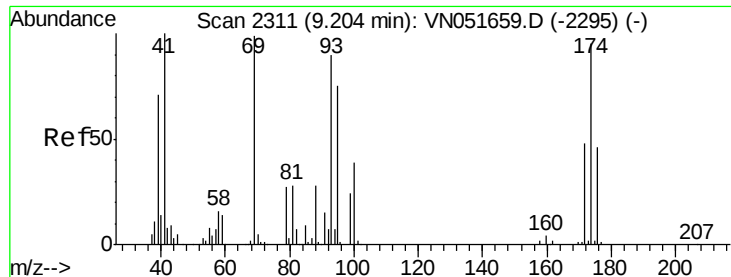
#48
Methyl methacrylate
Concen: 20.178 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 41 Resp: 88523
Ion Ratio Lower Upper
41 100
69 98.8 78.6 118.0
39 77.9 59.2 88.8



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





#49

1,4-Dioxane

Concen: 419.538 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

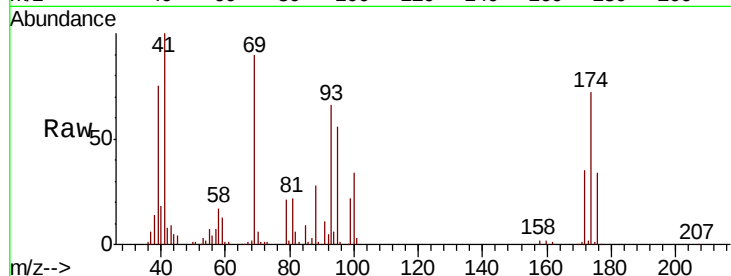
Tot Ion: 88 Resp: 27599

Ion Ratio Lower Upper

88 100

43 30.7 24.5 36.7

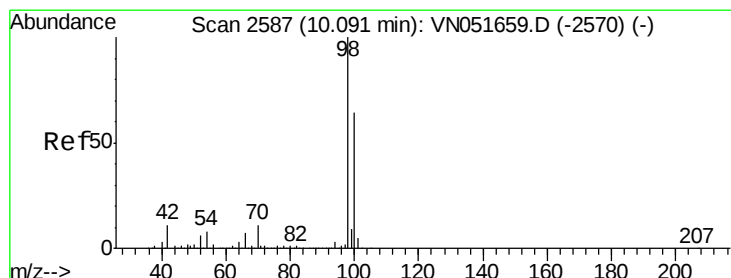
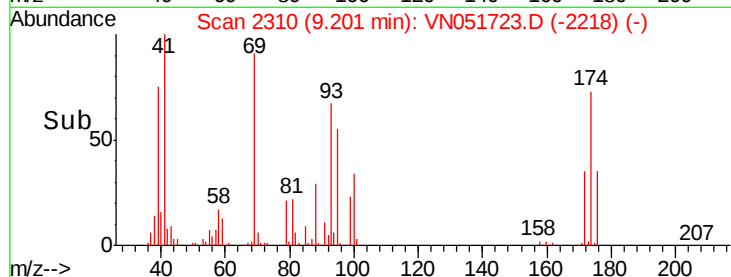
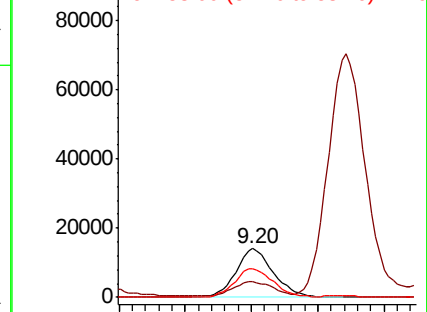
58 60.0 47.6 71.4



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



#50

Toluene-d8

Concen: 419.538 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051723.D

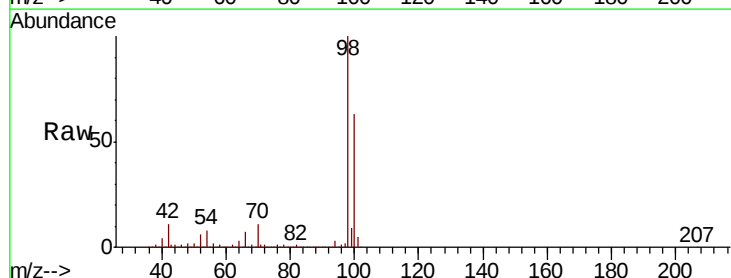
Acq: 8 Oct 2018 10:02

Tgt Ion: 98 Resp: 1198152

Ion Ratio Lower Upper

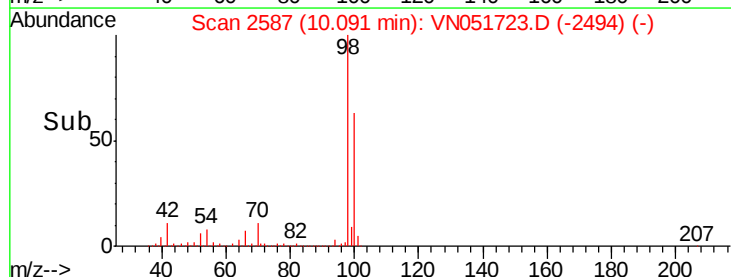
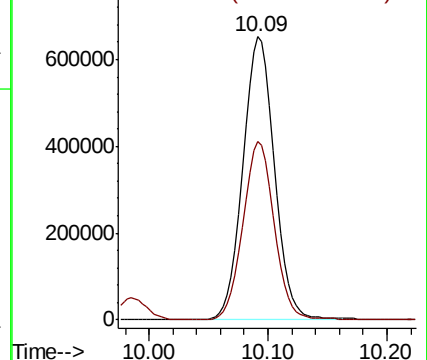
98 100

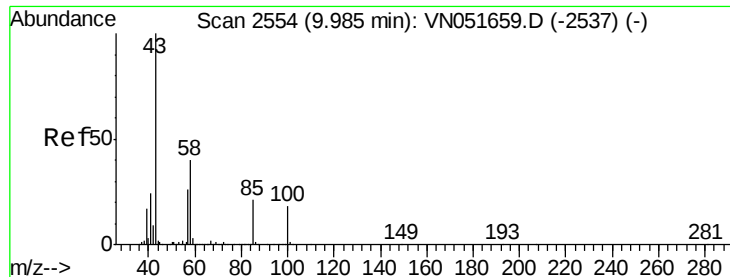
100 62.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.758 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

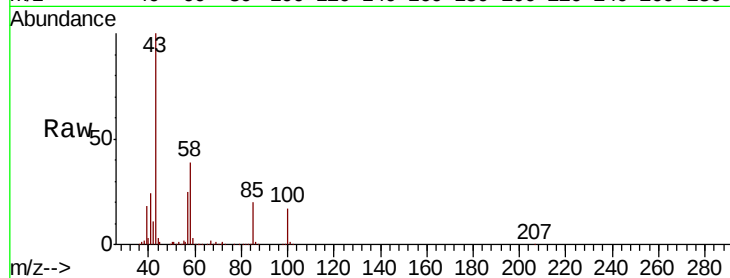
VN1008WBS01

Tot Ion: 43 Resp: 529124

Ion Ratio Lower Upper

43 100

58 38.7 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

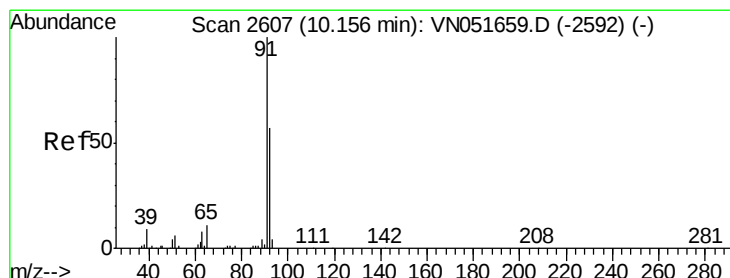
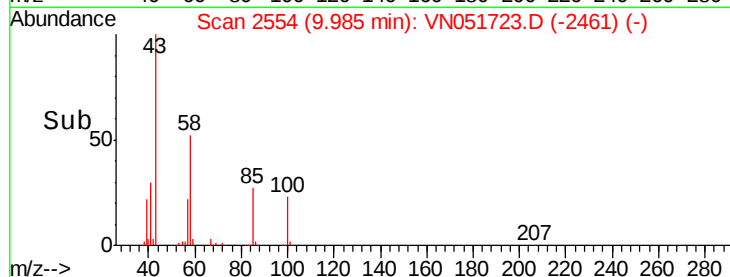
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.449 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051723.D

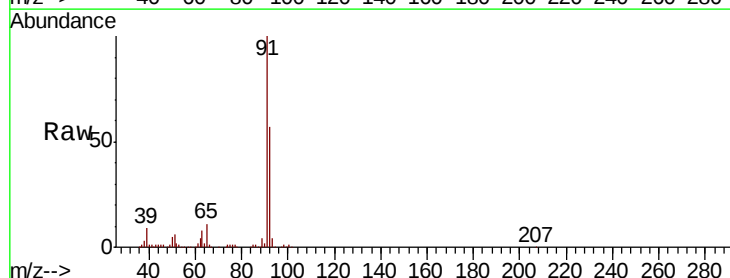
Acq: 8 Oct 2018 10:02

Tgt Ion: 92 Resp: 338588

Ion Ratio Lower Upper

92 100

91 177.1 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

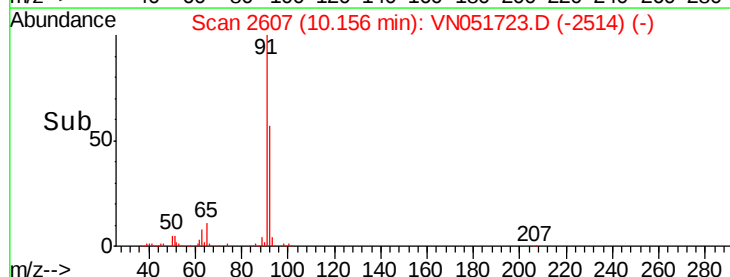
300000

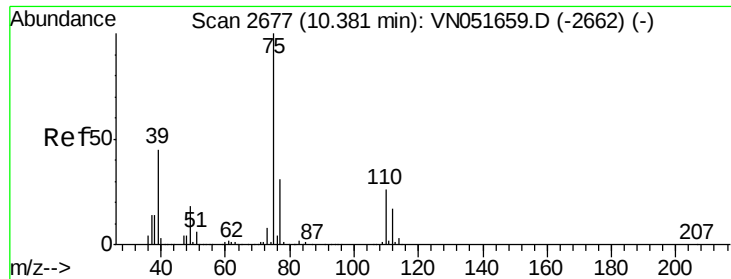
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.045 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

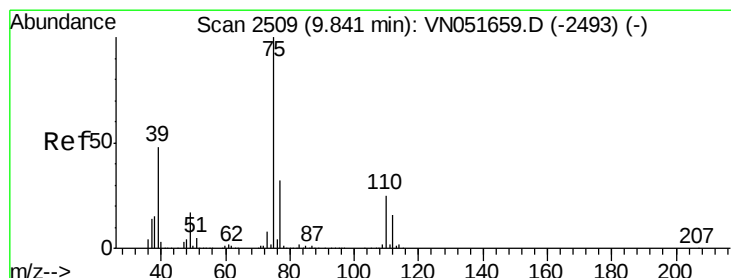
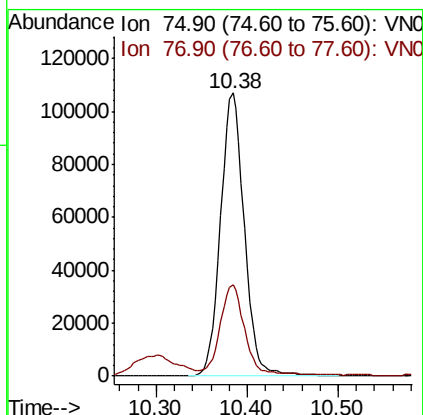
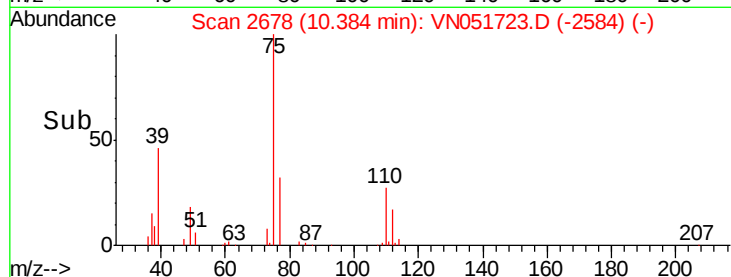
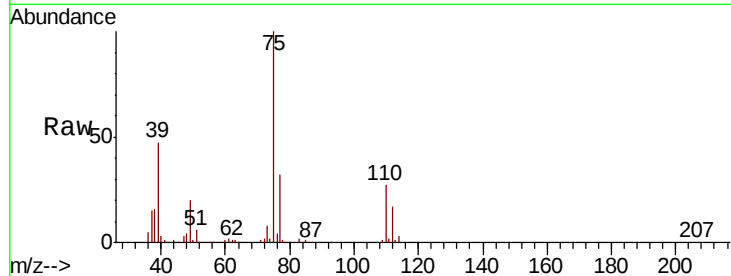
VN1008WBS01

Tot Ion: 75 Resp: 194591

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.281 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

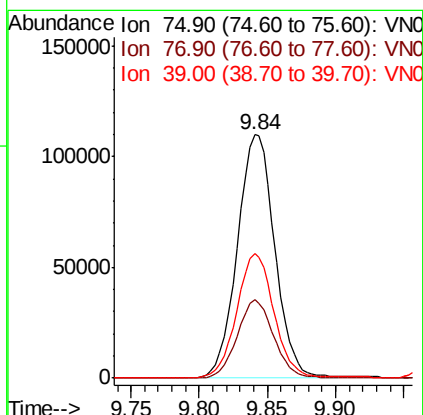
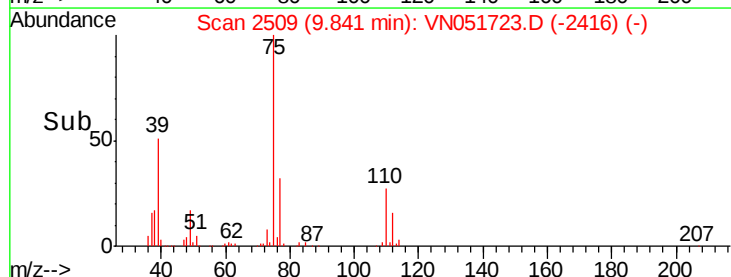
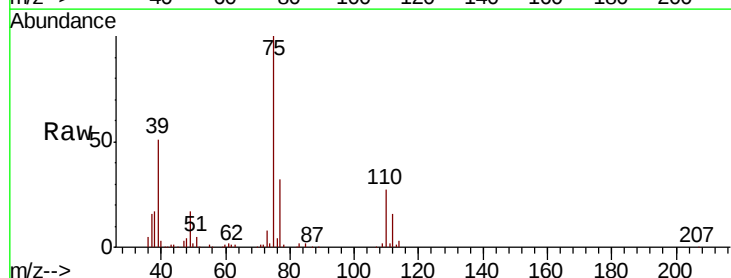
Tgt Ion: 75 Resp: 209204

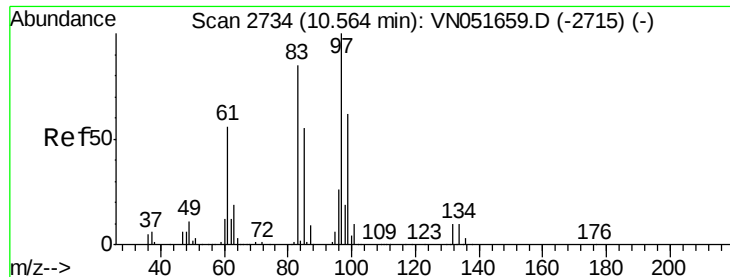
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 50.8 38.1 57.1



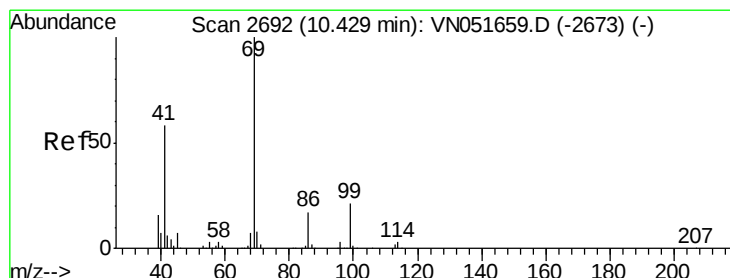
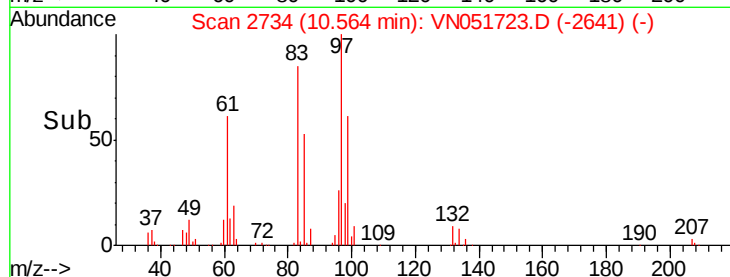
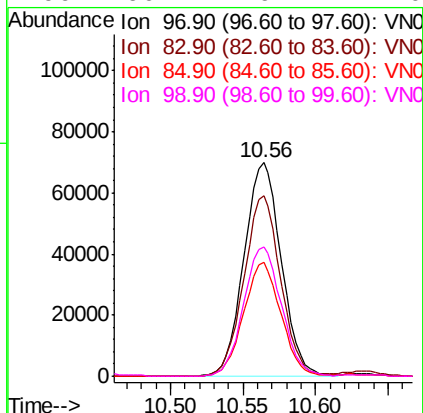
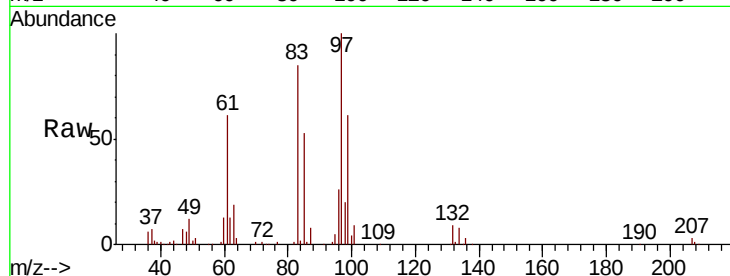


#55
 1,1,2-Trichloroethane
 Concen: 20.214 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion: 97 Resp: 125360

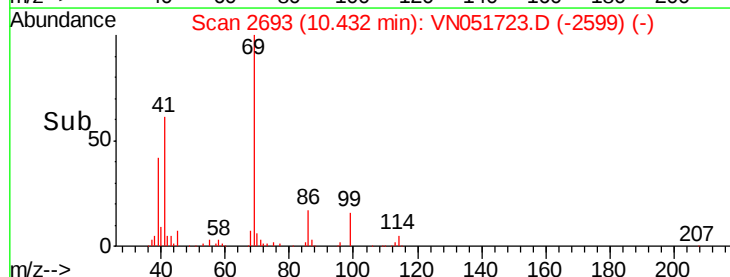
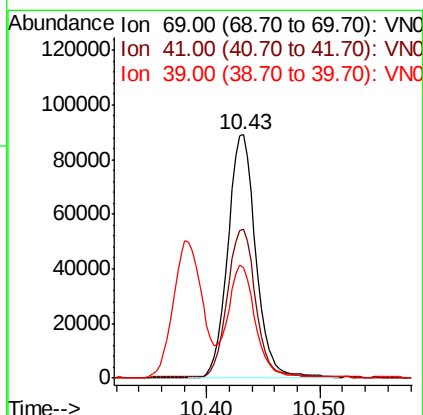
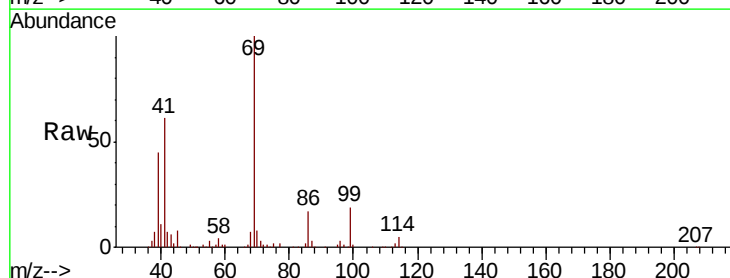
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.1	102.1
85	53.4	43.6	65.4
99	60.7	49.4	74.0

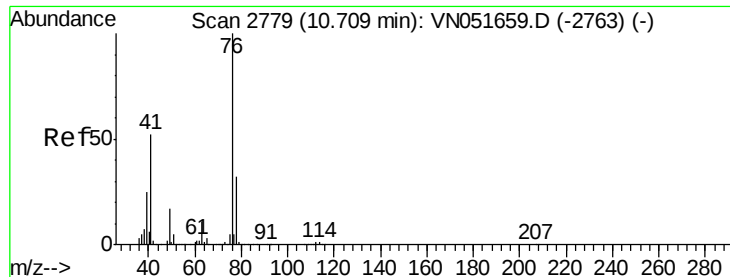


#56
 Ethyl methacrylate
 Concen: 19.701 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 69 Resp: 154511

Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.4	69.6
39	43.6	32.4	48.6





#57

1,3-Dichloropropane

Concen: 20.238 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

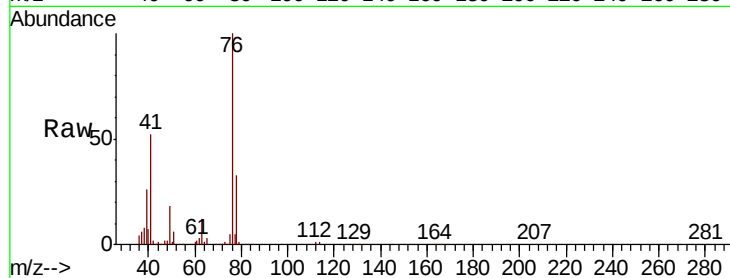
VN1008WBS01

Tot Ion: 76 Resp: 198642

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

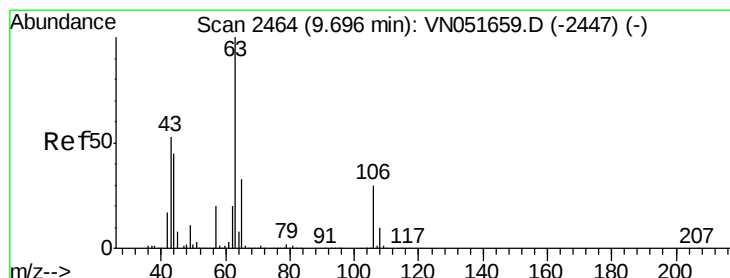
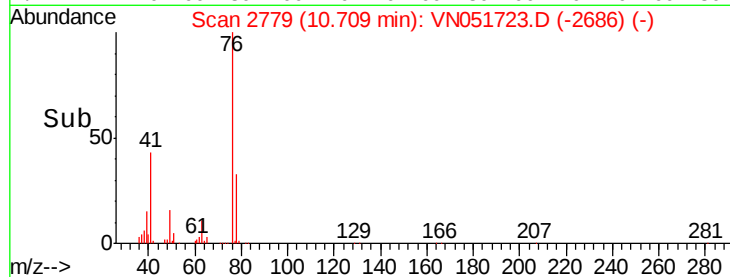
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 96.622 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051723.D

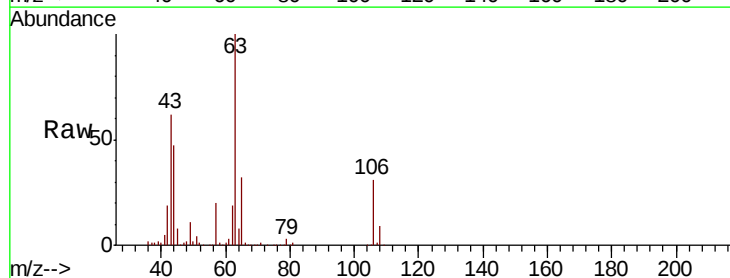
Acq: 8 Oct 2018 10:02

Tgt Ion: 63 Resp: 313618

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

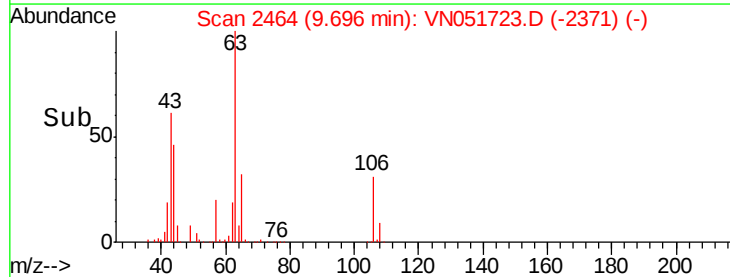
150000

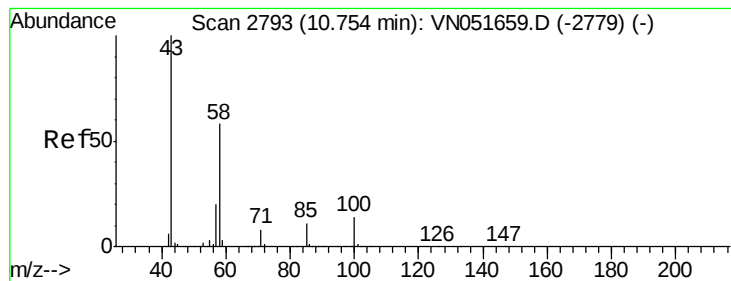
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





#59

2-Hexanone

Concen: 104.073 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

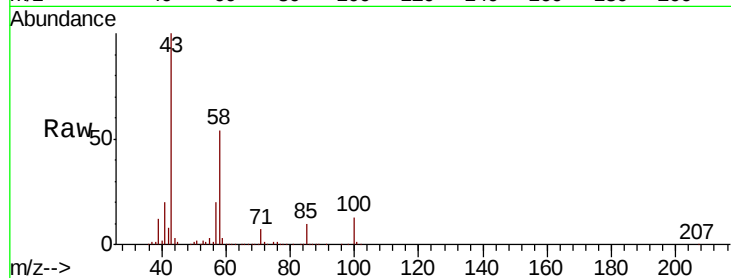
VN1008WBS01

Tot Ion: 43 Resp: 343865

Ion Ratio Lower Upper

43 100

58 55.1 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2779) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2779) (-)

10.75

200000

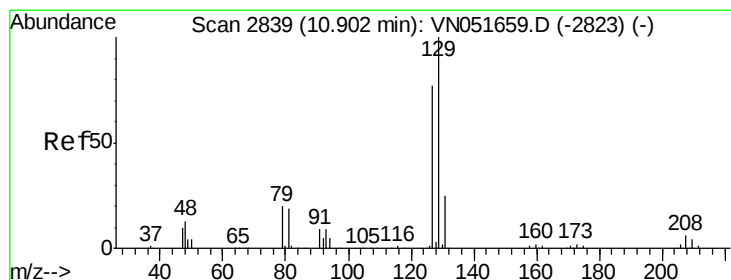
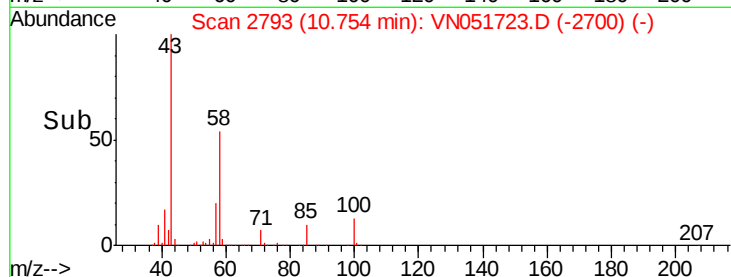
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 19.272 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN051723.D

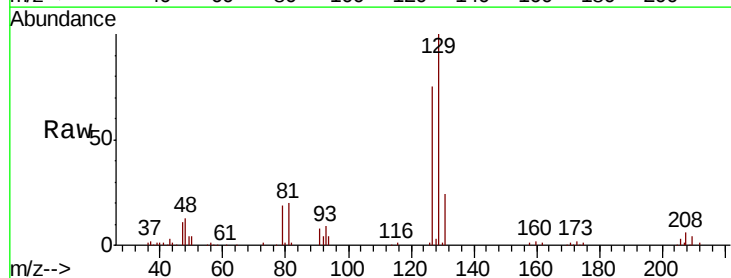
Acq: 8 Oct 2018 10:02

Tgt Ion: 129 Resp: 156410

Ion Ratio Lower Upper

129 100

127 76.9 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): VN051659.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN051659.D (-2823) (-)

10.90

100000

80000

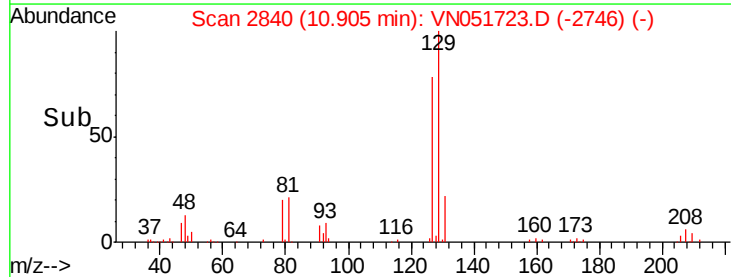
60000

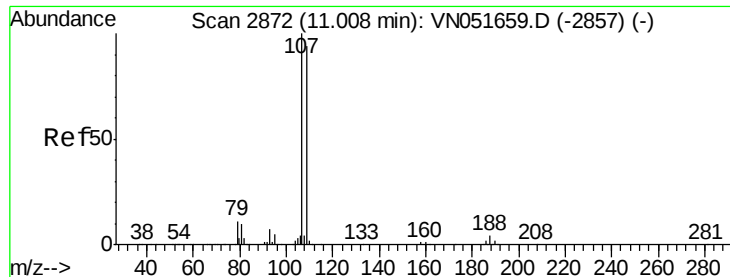
40000

20000

0

Time-->

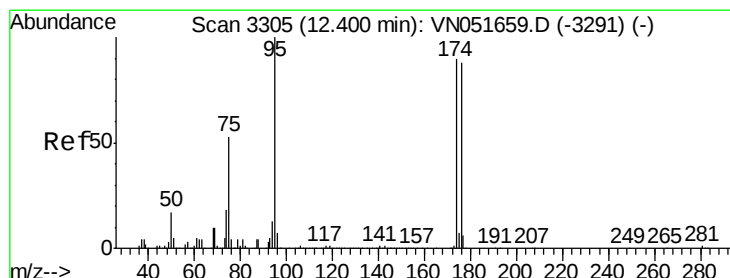
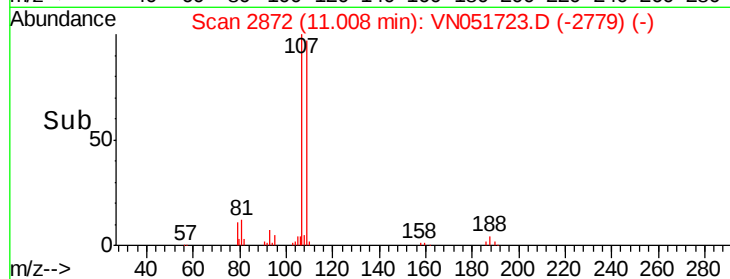
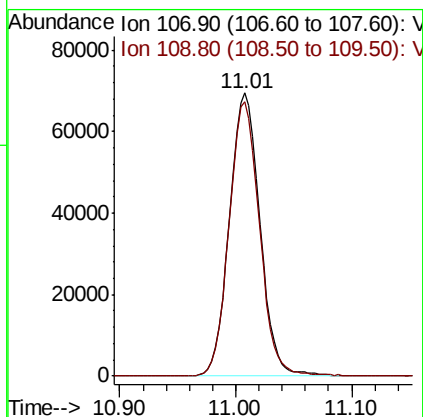
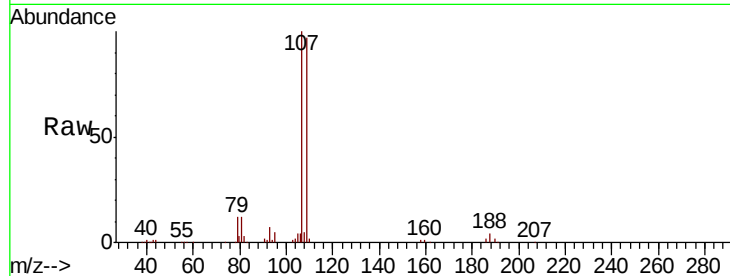




#61
 1,2-Dibromoethane
 Concen: 19.330 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

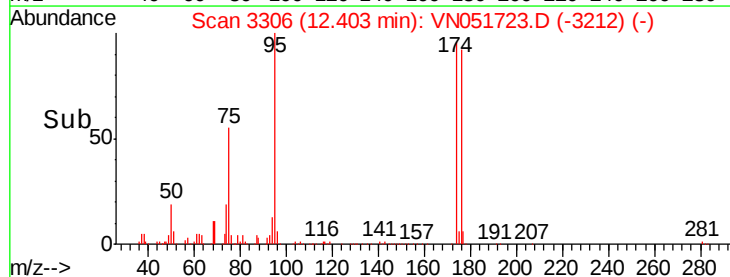
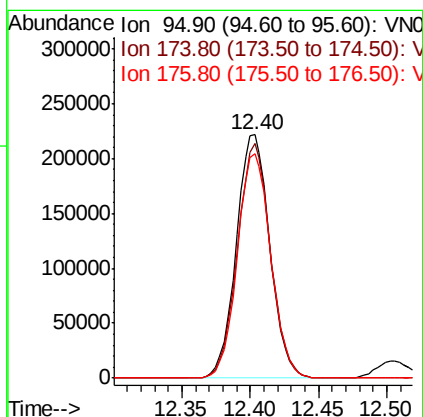
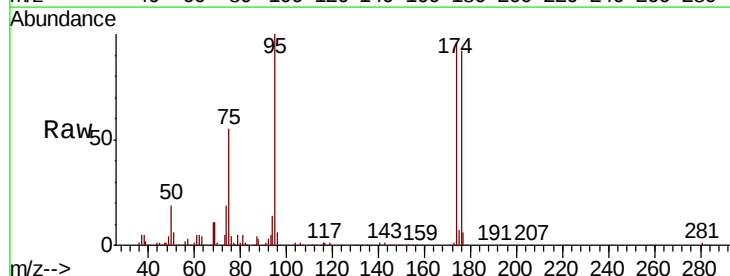
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

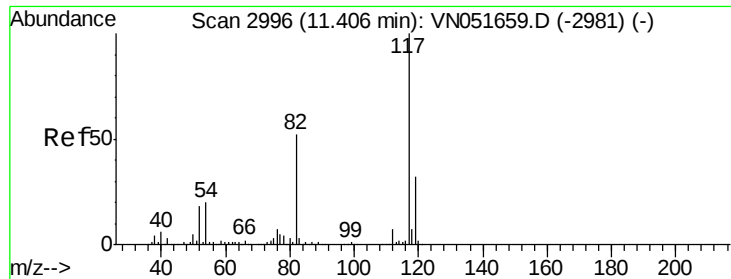
Tot Ion: 107 Resp: 126729
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.330 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 95 Resp: 377521
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 182.8
 176 91.8 0.0 176.4

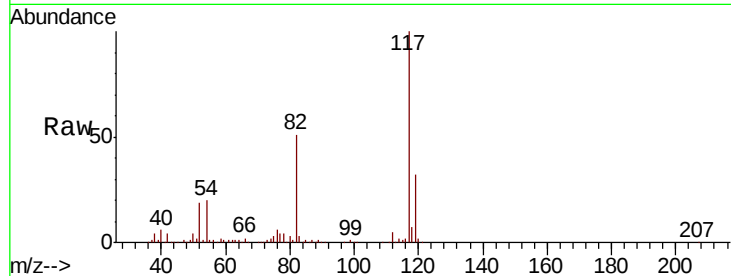




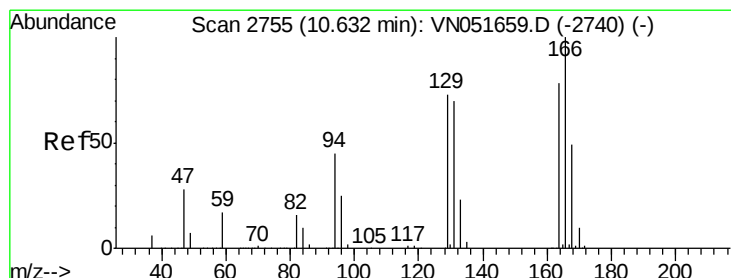
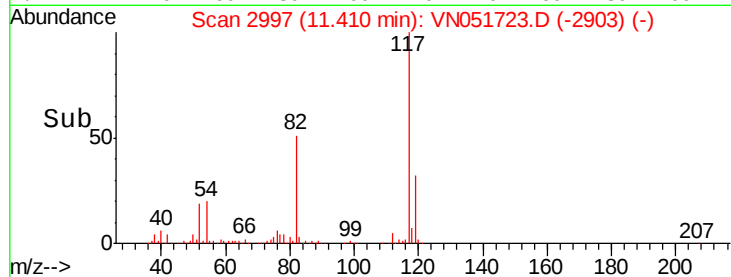
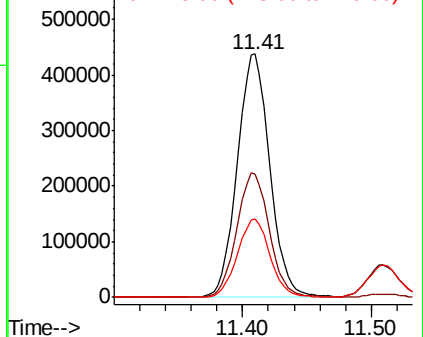
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion:117 Resp: 768878
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 32.5 25.9 38.9

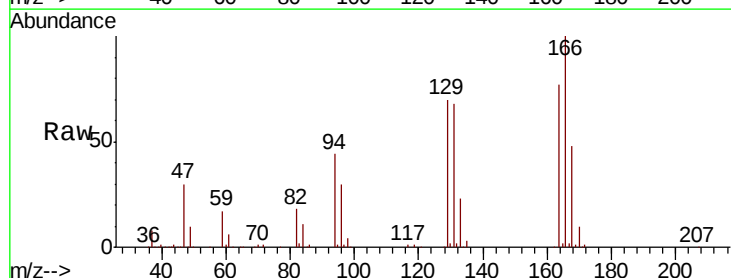


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

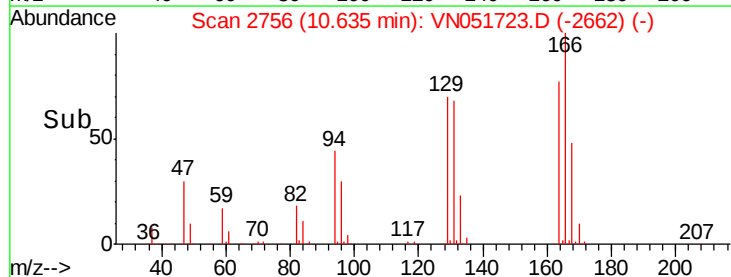
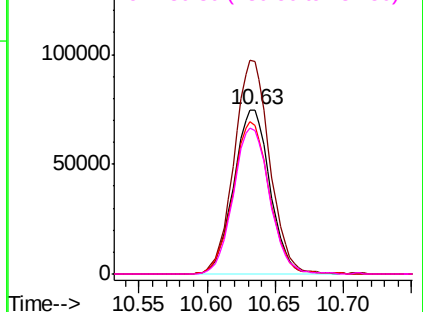


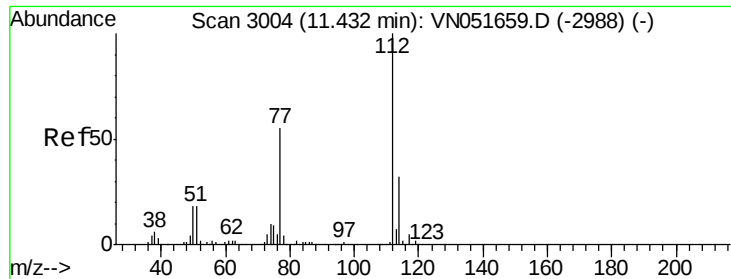
#64
Tetrachloroethene
Concen: 20.375 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion:164 Resp: 138215
Ion Ratio Lower Upper
164 100
166 129.7 103.0 154.6
129 90.6 75.2 112.8
131 87.8 71.7 107.5



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





#65

Chlorobenzene

Concen: 19.718 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

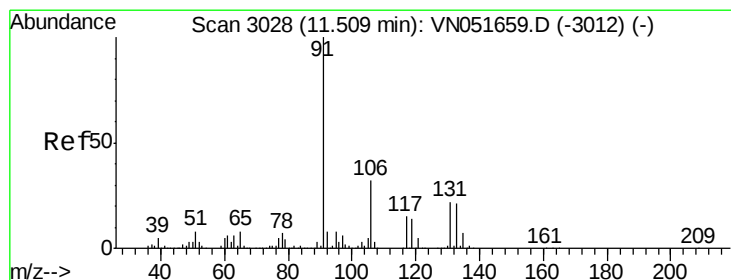
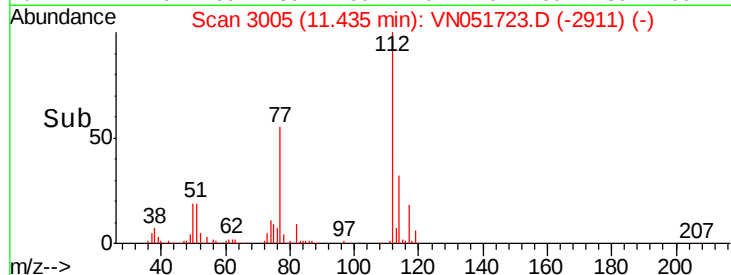
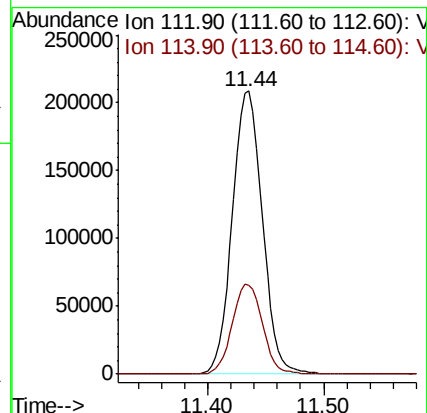
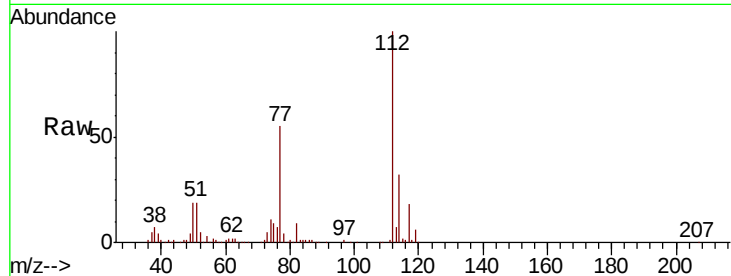
VN1008WBS01

Tot Ion:112 Resp: 375477

Ion Ratio Lower Upper

112 100

114 31.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

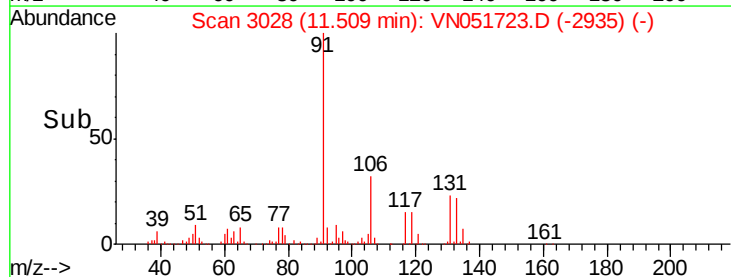
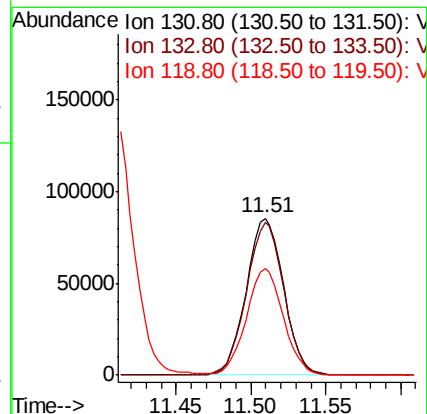
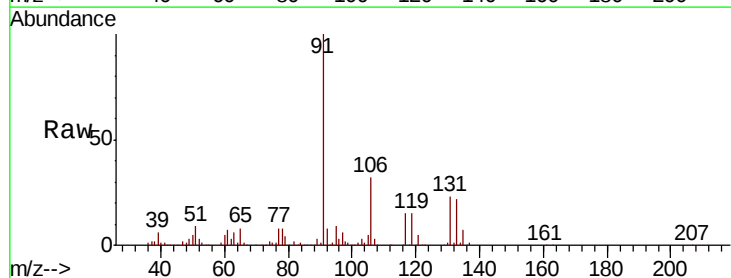
Tgt Ion:131 Resp: 148641

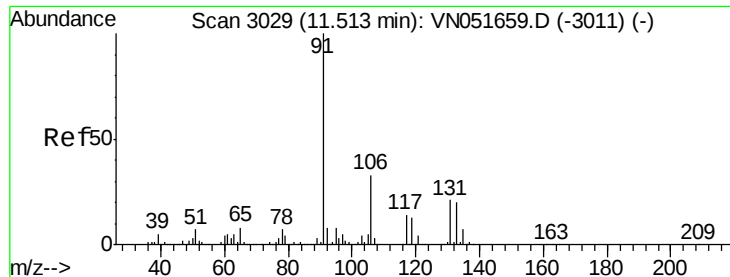
Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.8

119 67.2 32.0 96.0





#67

Ethyl Benzene

Concen: 19.830 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

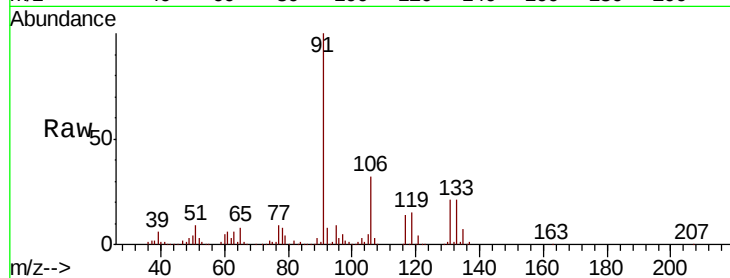
VN1008WBS01

Tot Ion: 91 Resp: 652668

Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN051659.D (-3011) (-)

600000

500000

400000

300000

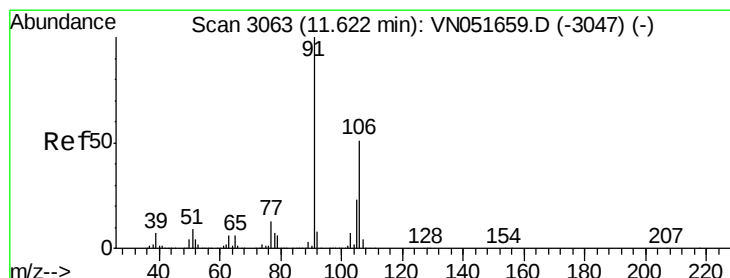
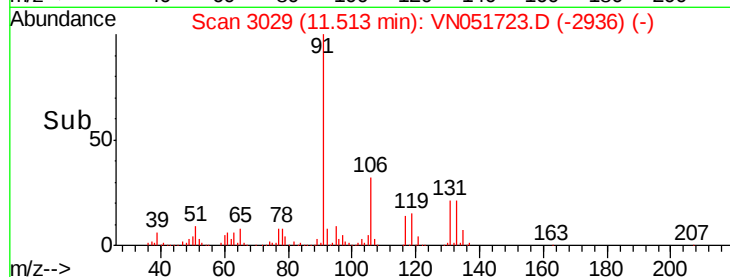
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 38.936 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051723.D

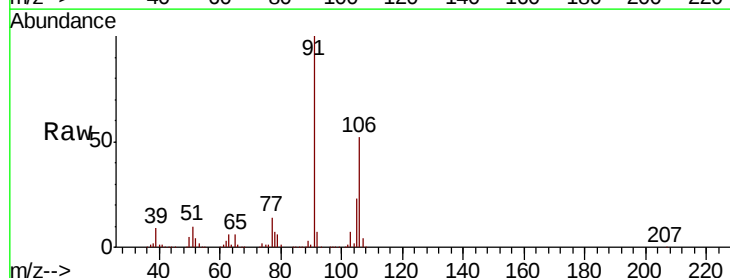
Acq: 8 Oct 2018 10:02

Tgt Ion: 106 Resp: 512764

Ion Ratio Lower Upper

106 100

91 196.5 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VN051659.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-3047) (-)

600000

500000

400000

300000

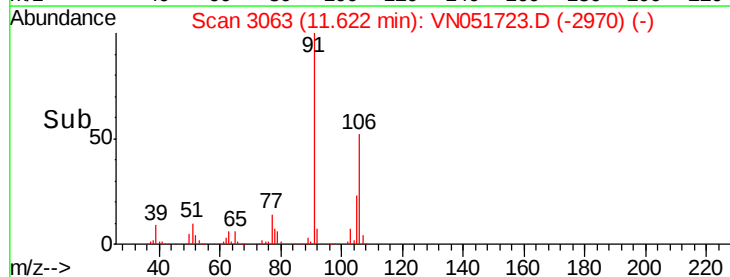
200000

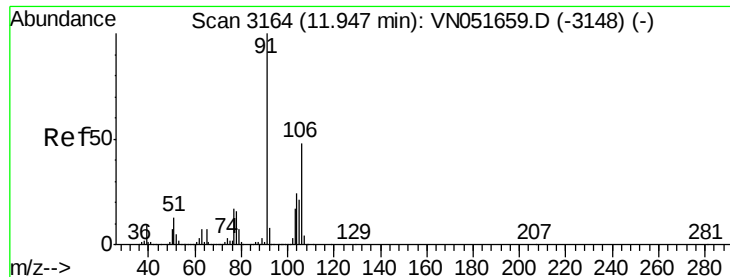
100000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

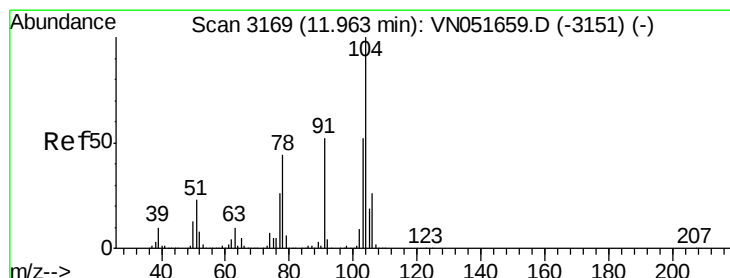
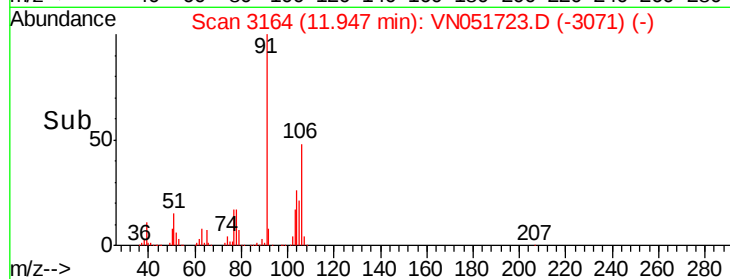
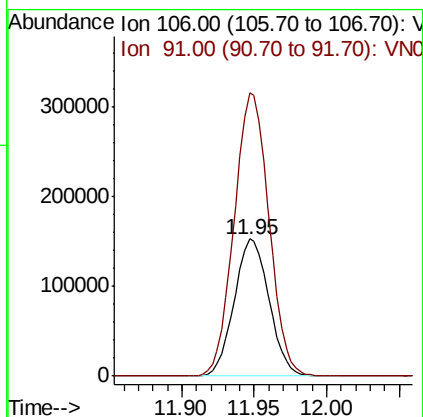
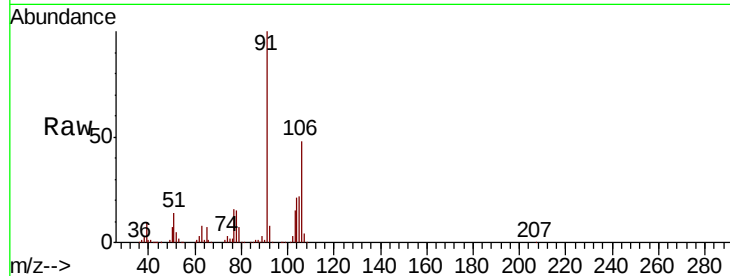




#69
o-Xylene
Concen: 19.784 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

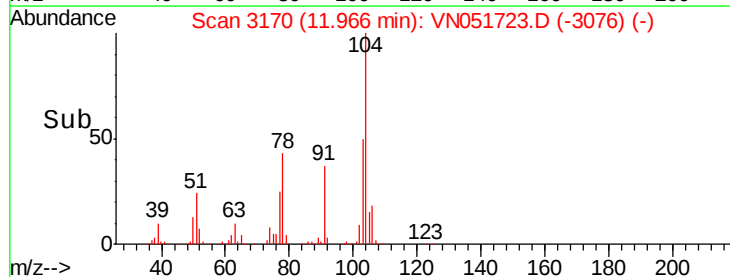
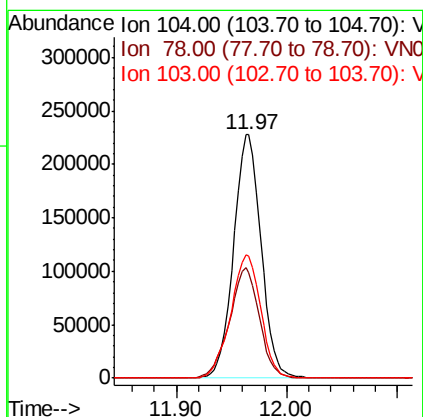
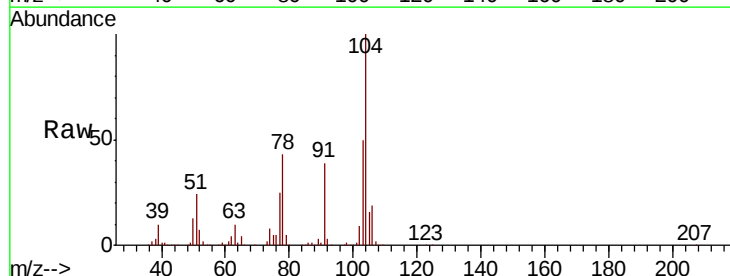
Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

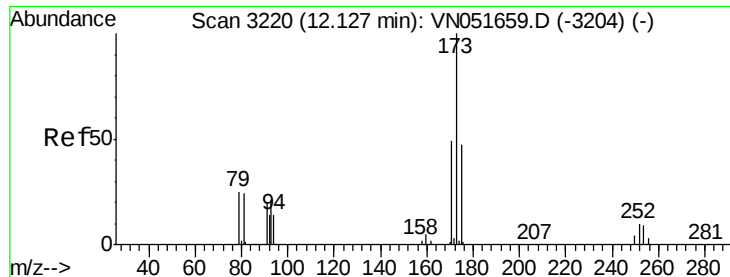
Tot Ion:106 Resp: 255512
Ion Ratio Lower Upper
106 100
91 206.9 104.4 313.2



#70
Styrene
Concen: 19.067 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion:104 Resp: 392401
Ion Ratio Lower Upper
104 100
78 49.4 39.3 58.9
103 55.5 45.0 67.6

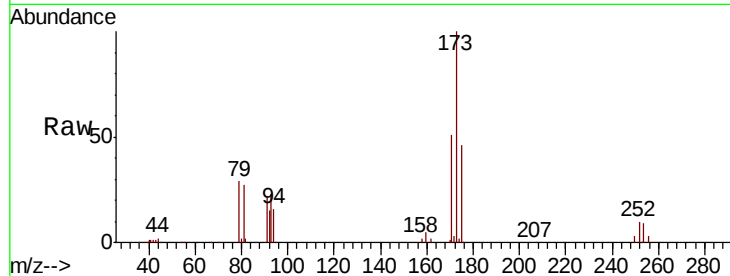




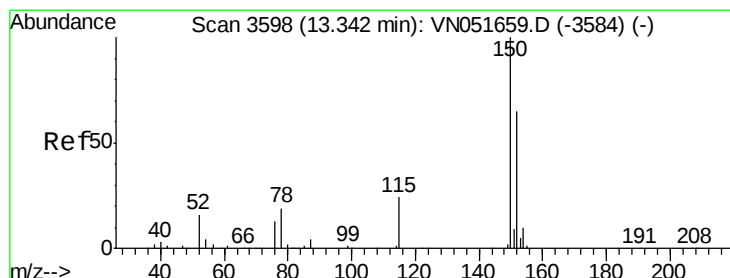
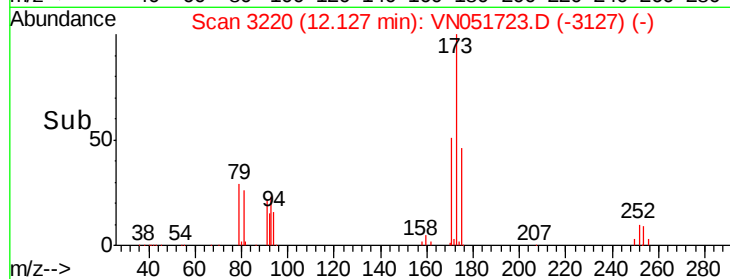
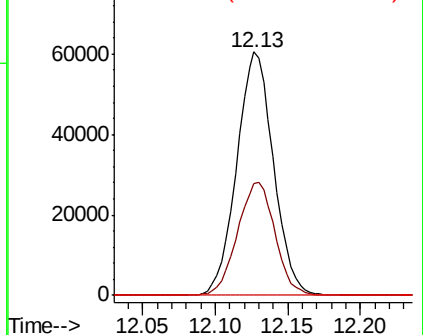
#71
Bromoform
Concen: 18.748 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion:173 Resp: 106324
Ion Ratio Lower Upper
173 100
175 47.3 24.0 72.0
254 0.0 0.1 0.1#

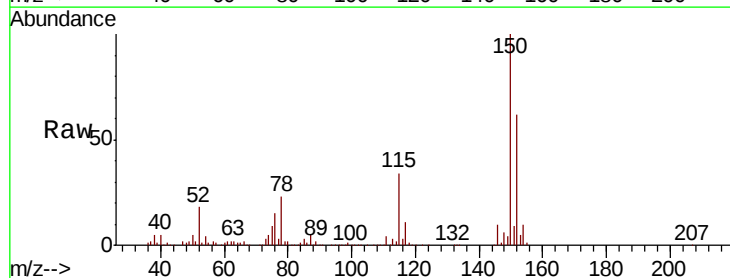


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

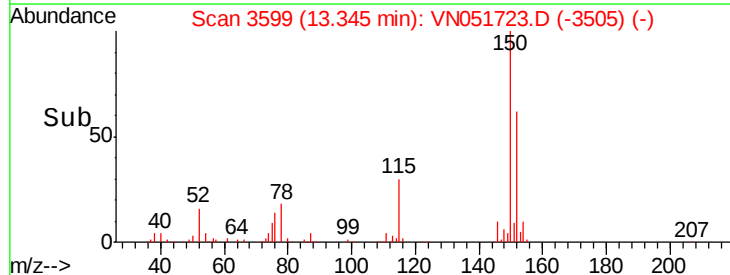
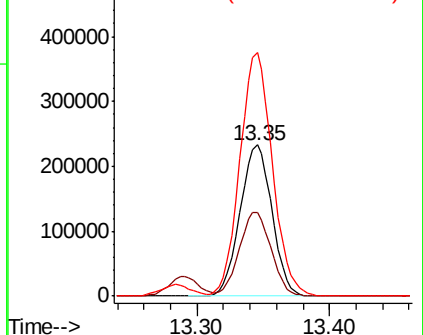


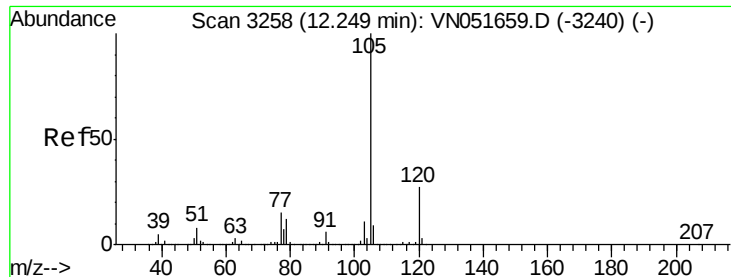
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion:152 Resp: 387975
Ion Ratio Lower Upper
152 100
115 55.2 28.6 85.8
150 164.7 0.0 352.4



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





#73

Isopropylbenzene

Concen: 20.219 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

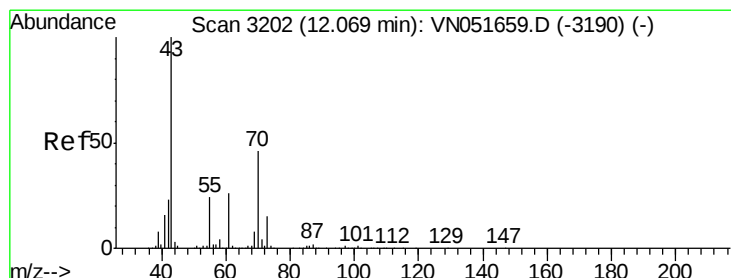
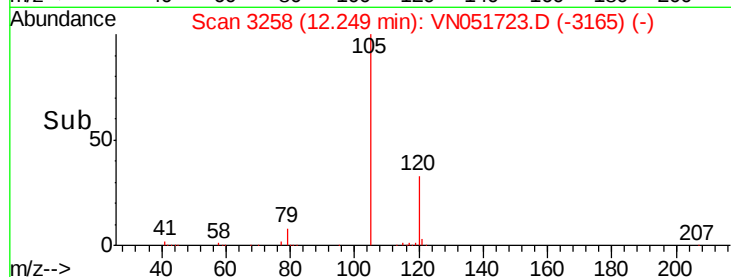
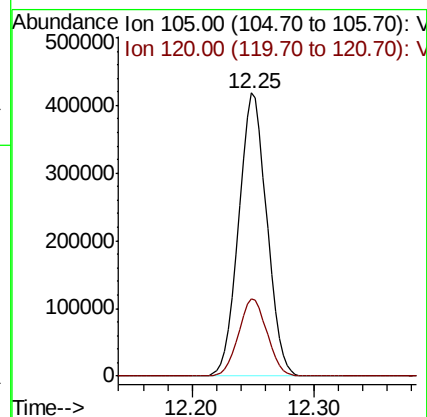
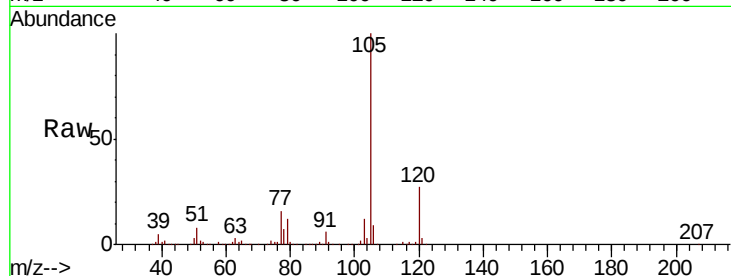
VN1008WBS01

Tot Ion:105 Resp: 668690

Ion Ratio Lower Upper

105 100

120 27.5 13.9 41.6



#74

N-ethyl acetate

Concen: 20.733 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion: 43 Resp: 154851

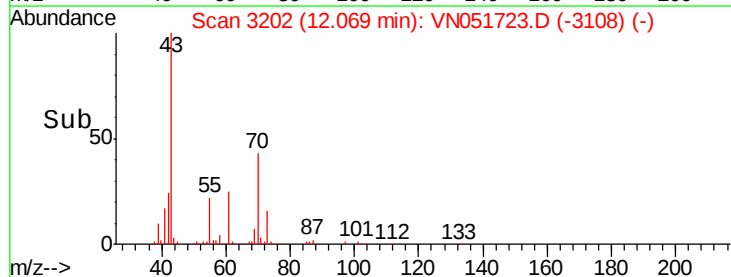
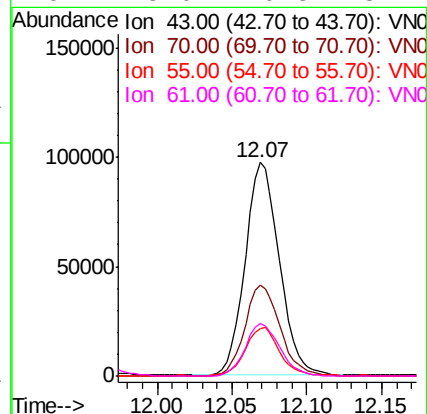
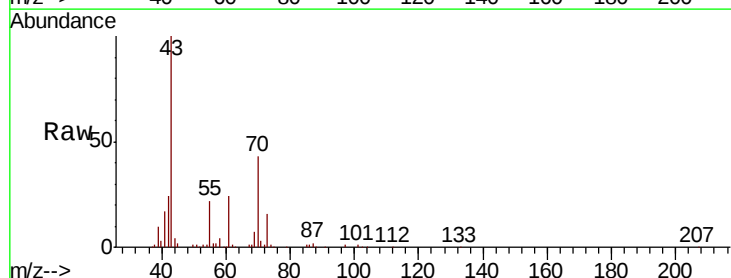
Ion Ratio Lower Upper

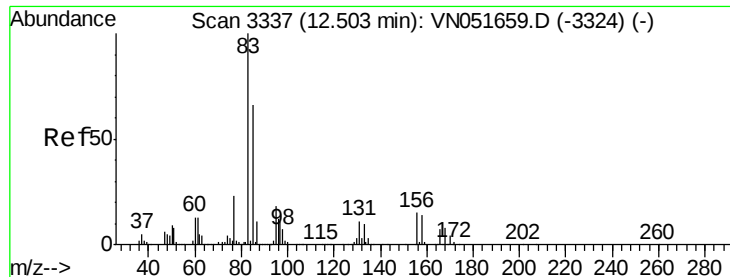
43 100

70 44.3 37.1 55.7

55 23.1 19.1 28.7

61 25.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.171 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

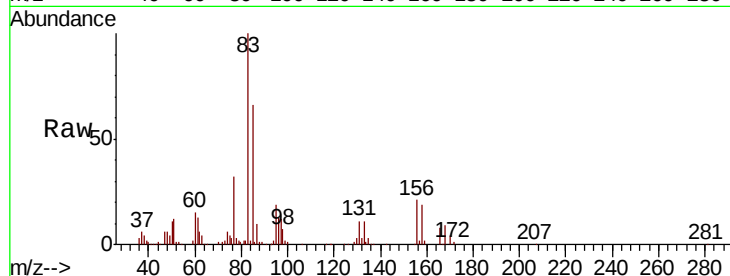
Tot Ion: 83 Resp: 150066

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

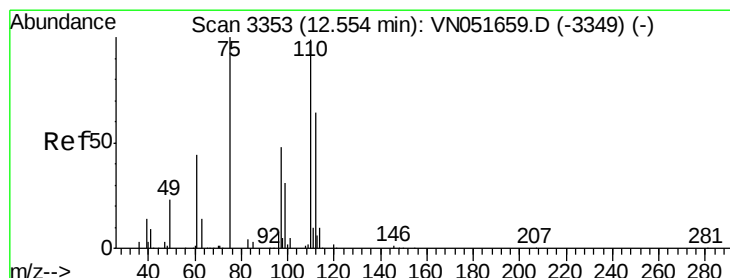
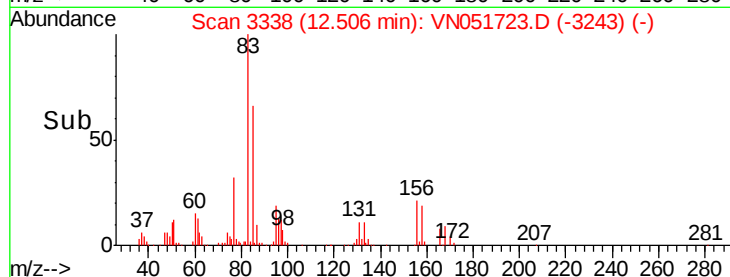
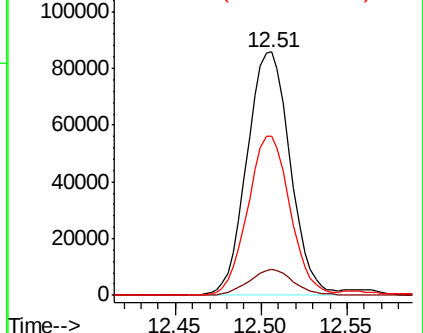
85 64.2 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 36.938 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051723.D

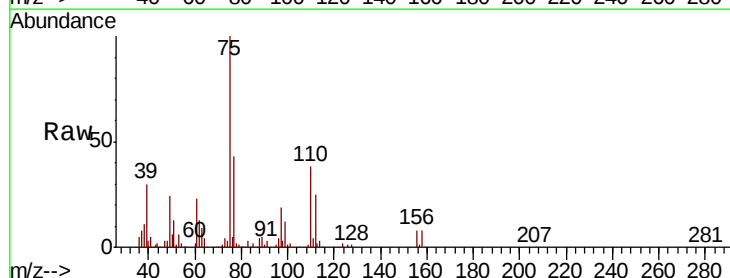
Acq: 8 Oct 2018 10:02

Tgt Ion: 75 Resp: 183237

Ion Ratio Lower Upper

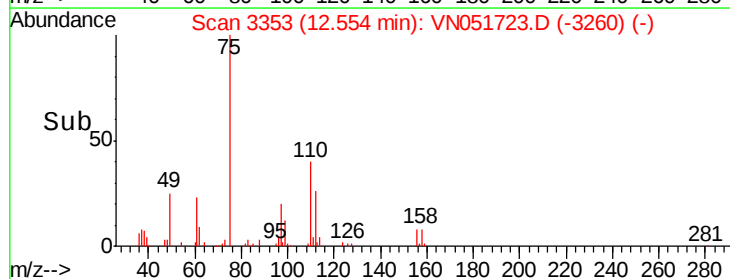
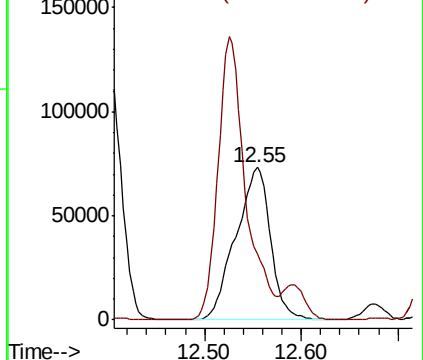
75 100

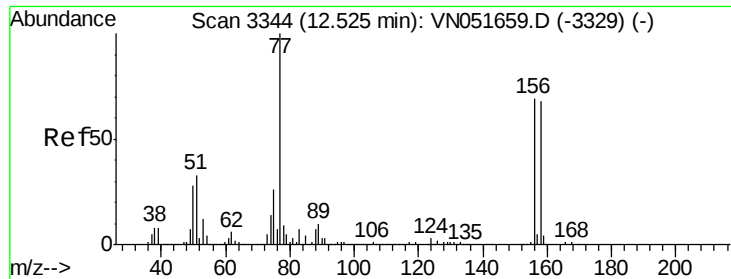
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 19.741 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN1008WBS01

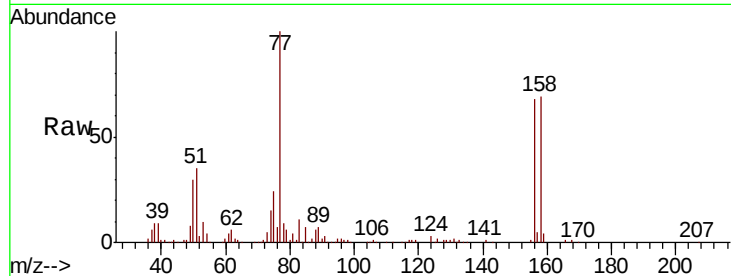
Tot Ion:156 Resp: 159640

Ion Ratio Lower Upper

156 100

77 169.0 83.2 249.4

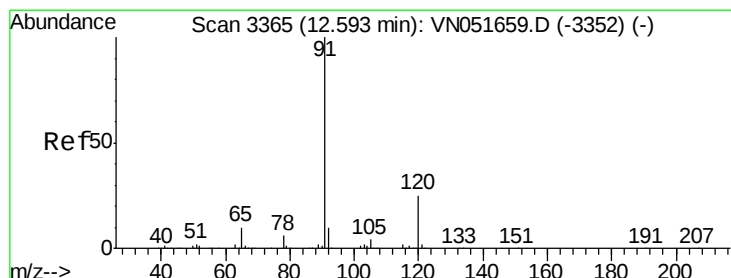
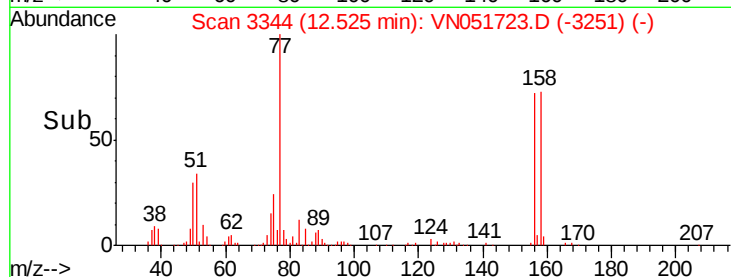
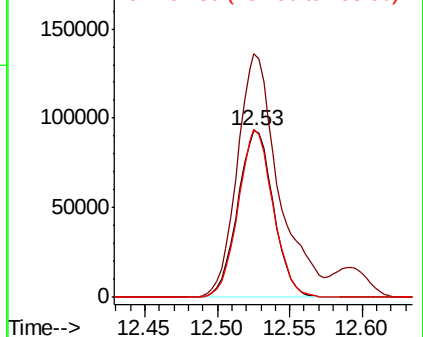
158 97.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.113 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051723.D

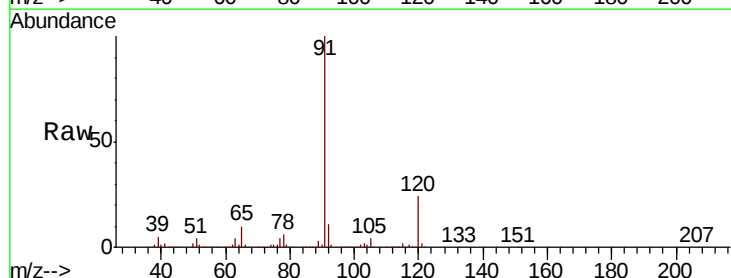
Acq: 8 Oct 2018 10:02

Tgt Ion: 91 Resp: 725540

Ion Ratio Lower Upper

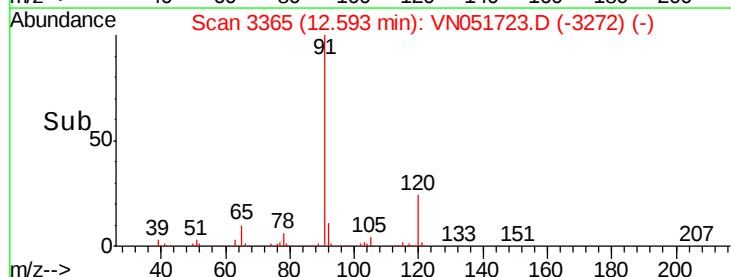
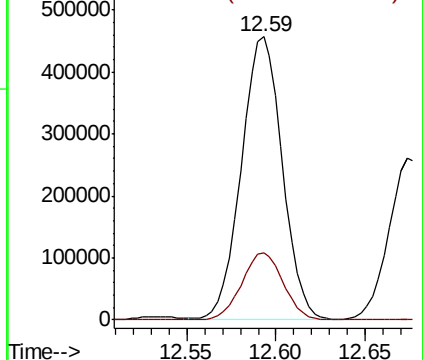
91 100

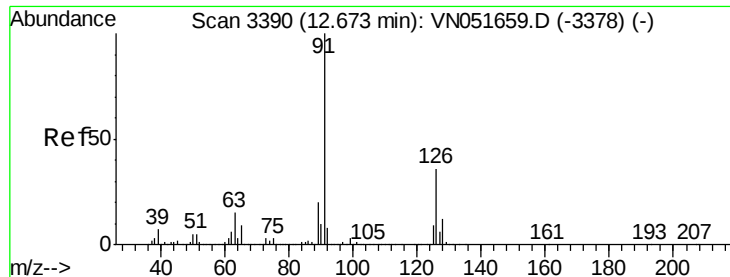
120 24.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.013 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

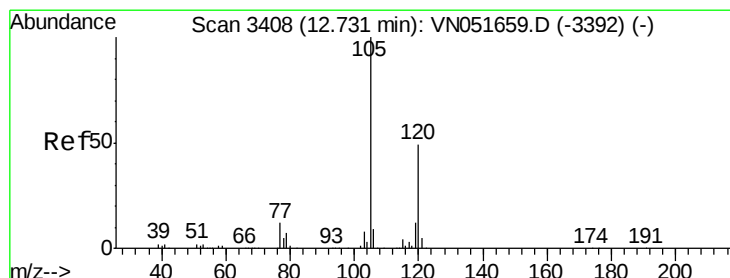
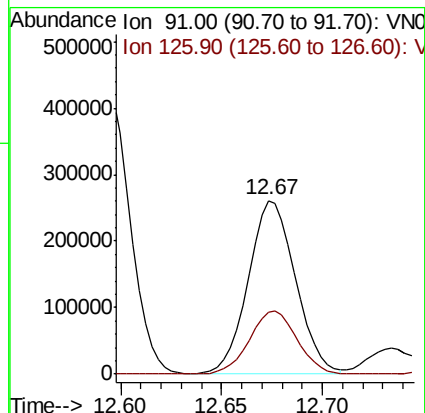
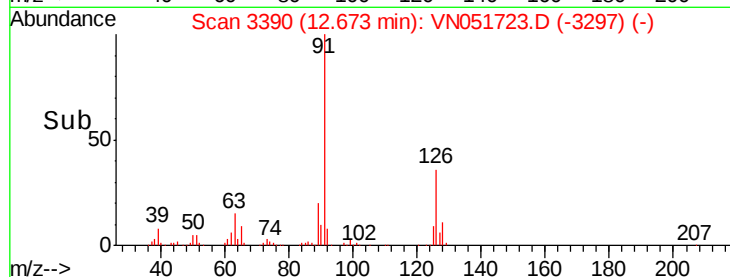
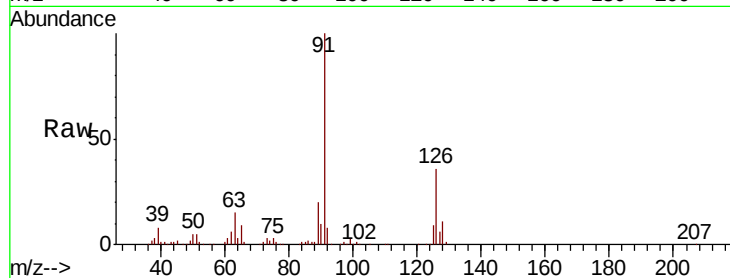
VN1008WBS01

Tot Ion: 91 Resp: 425463

Ion Ratio Lower Upper

91 100

126 37.1 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 20.054 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051723.D

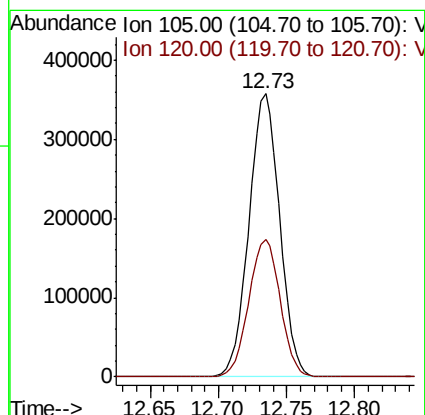
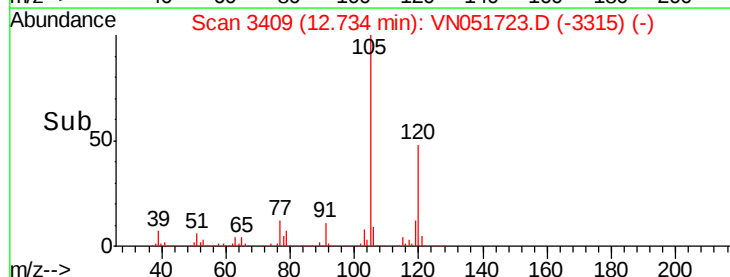
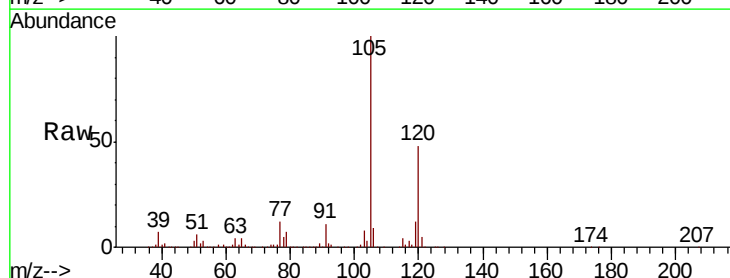
Acq: 8 Oct 2018 10:02

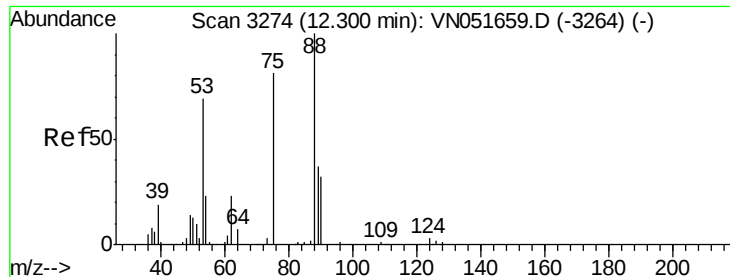
Tgt Ion: 105 Resp: 558923

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.526 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

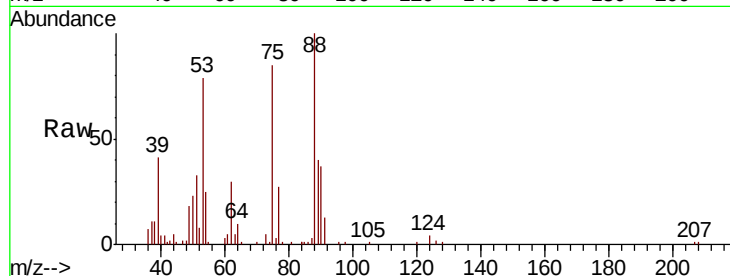
Tot Ion: 75 Resp: 39102

Ion Ratio Lower Upper

75 100

53 95.8 68.6 102.8

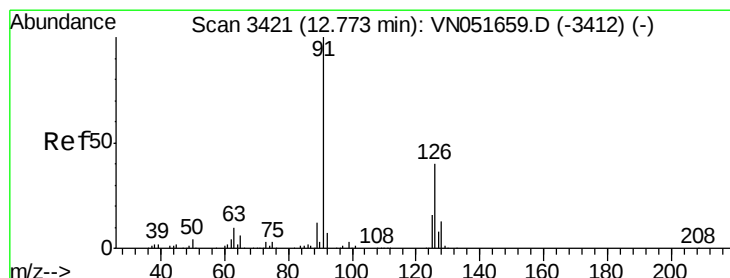
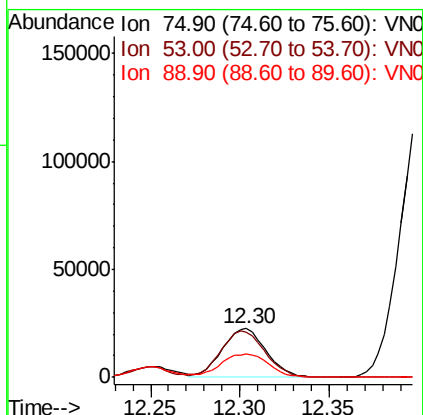
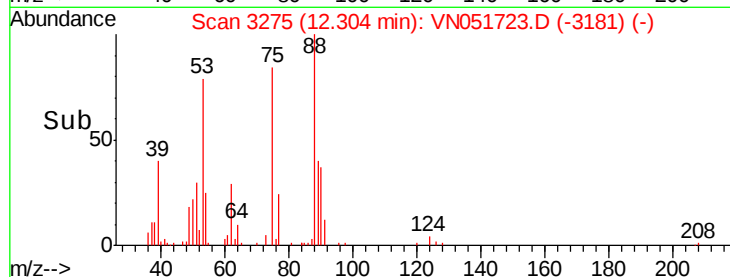
89 51.0 39.4 59.2



Abundance Ion 74.90 (74.60 to 75.60): VN051723.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051723.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051723.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.345 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051723.D

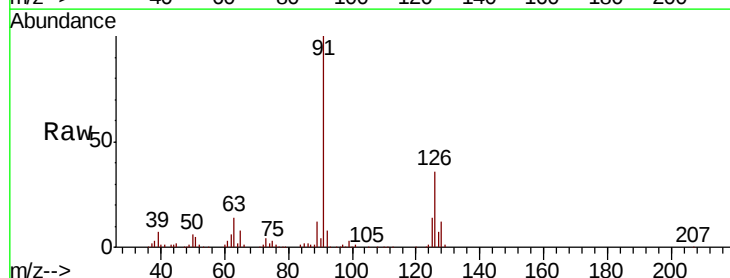
Acq: 8 Oct 2018 10:02

Tgt Ion: 91 Resp: 413140

Ion Ratio Lower Upper

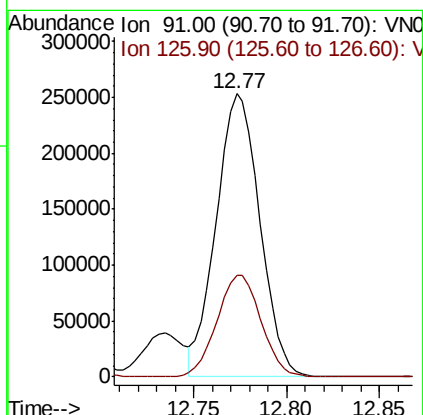
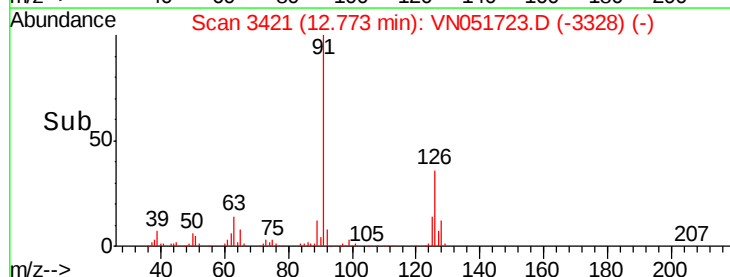
91 100

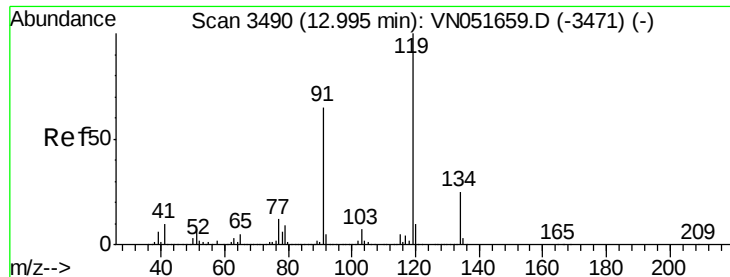
126 36.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN051723.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN051723.D (-3328) (-)

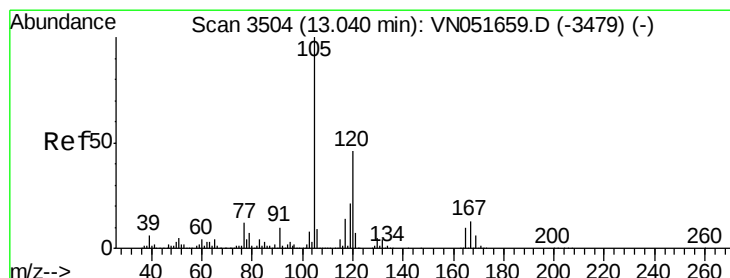
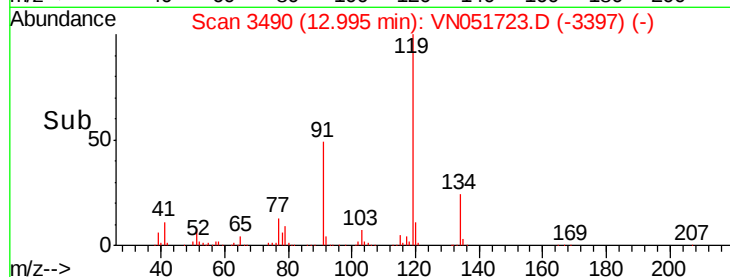
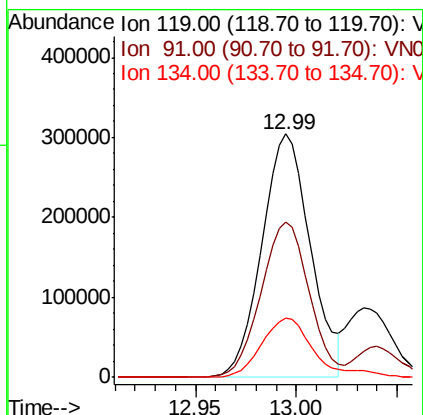
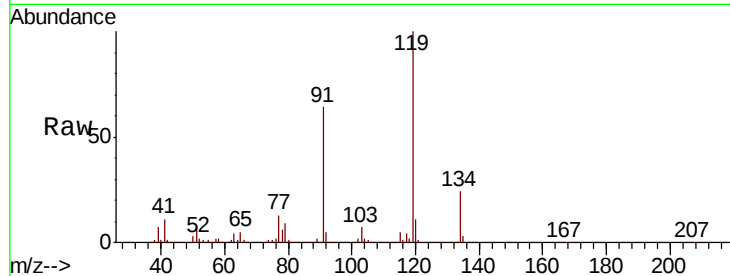




#83
tert-Butylbenzene
Concen: 20.397 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

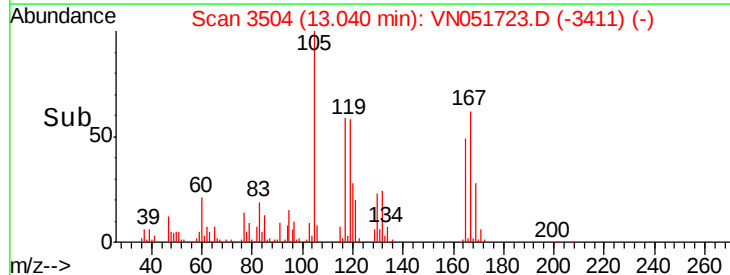
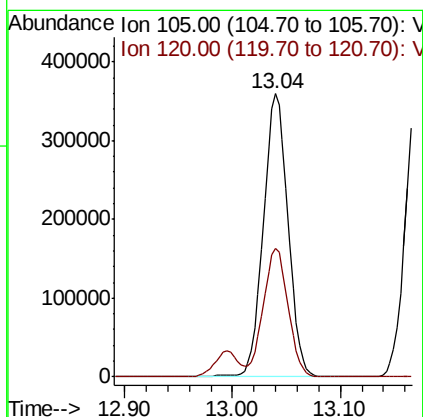
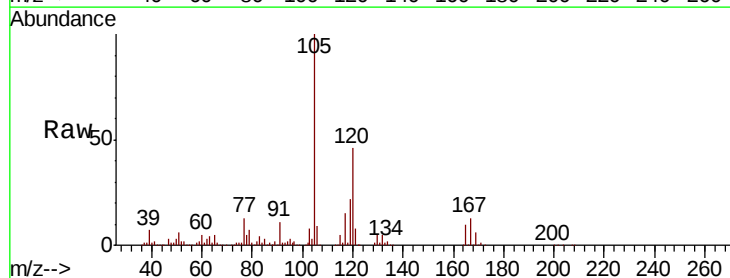
Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

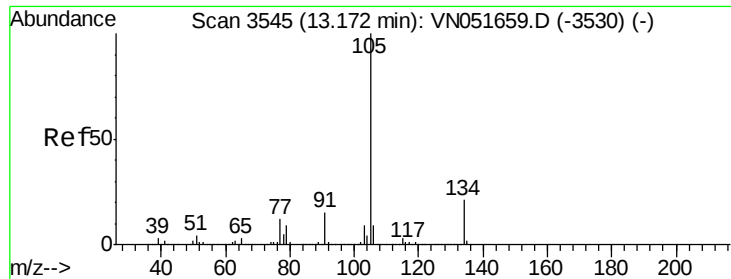
Tot Ion:119 Resp: 509403
Ion Ratio Lower Upper
119 100
91 63.5 32.1 96.5
134 26.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 20.390 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion:105 Resp: 569244
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.499 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

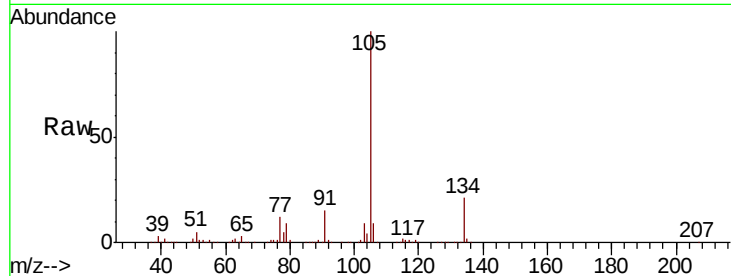
VN1008WBS01

Tot Ion:105 Resp: 677196

Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

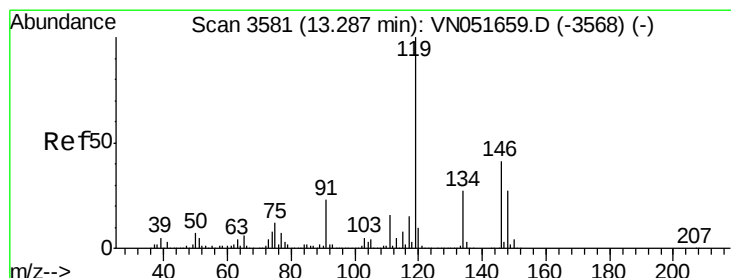
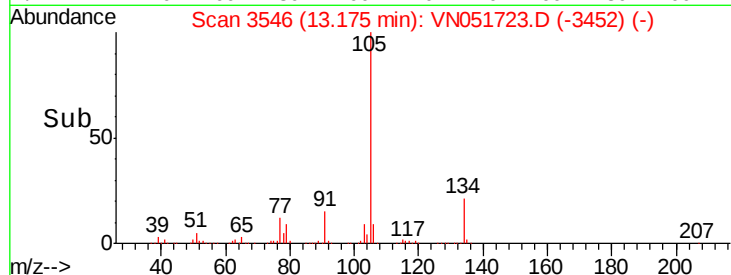
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.056 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

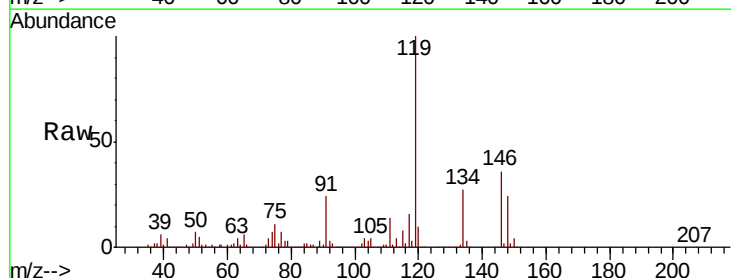
Tgt Ion:119 Resp: 587363

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 24.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

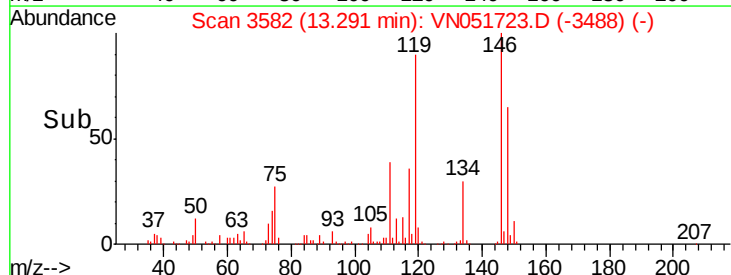
300000

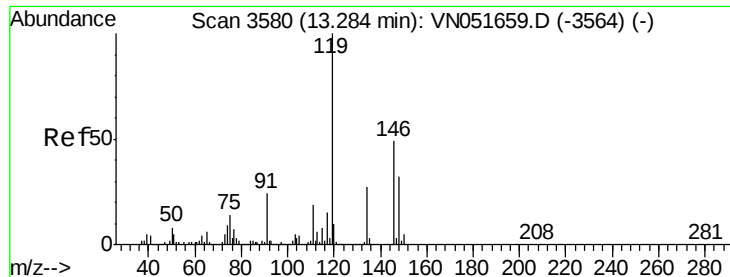
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.785 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

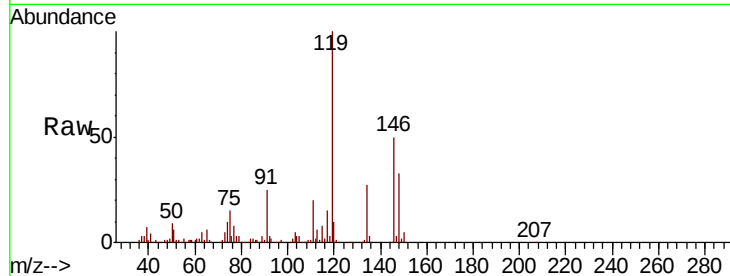
Tot Ion:146 Resp: 278795

Ion Ratio Lower Upper

146 100

111 38.1 19.3 57.9

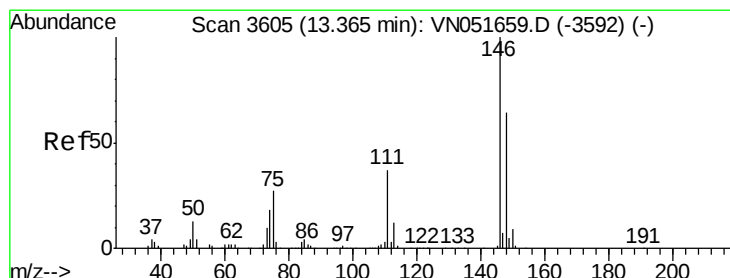
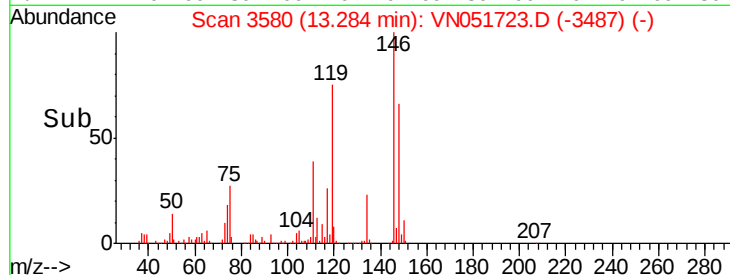
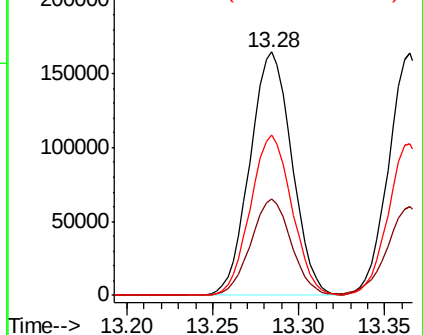
148 65.0 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.327 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

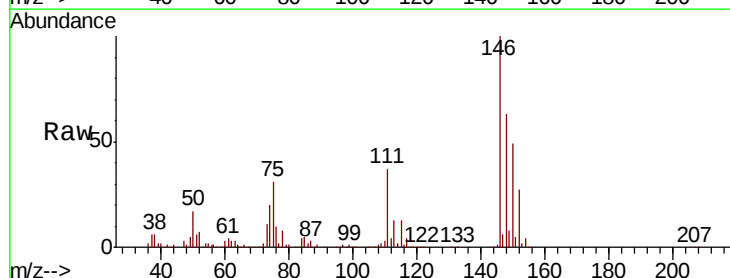
Tgt Ion:146 Resp: 268062

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

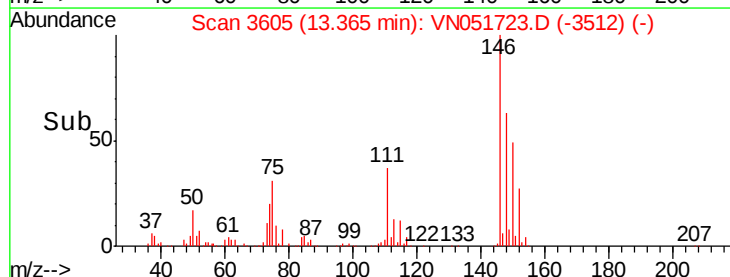
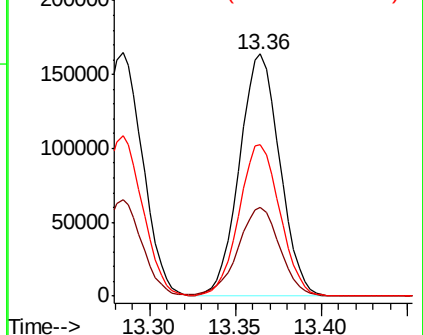
148 63.6 32.3 96.8

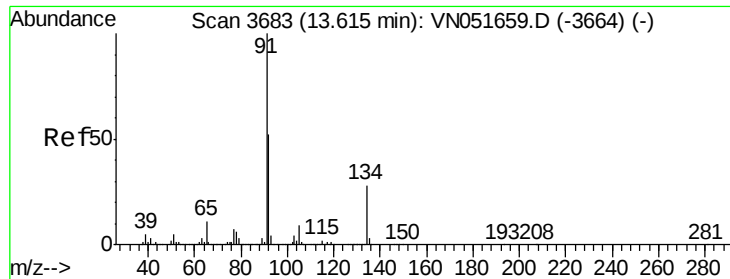


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.621 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

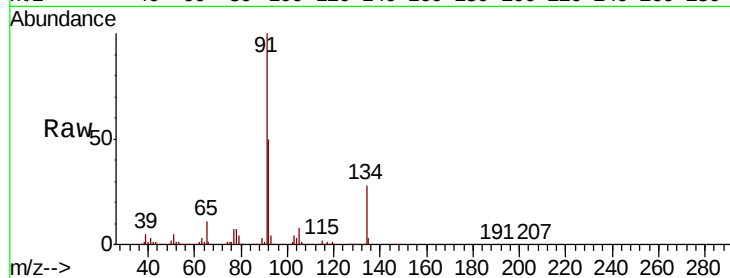
Tot Ion: 91 Resp: 454325

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

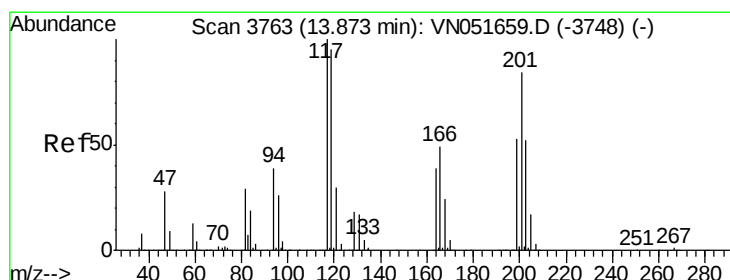
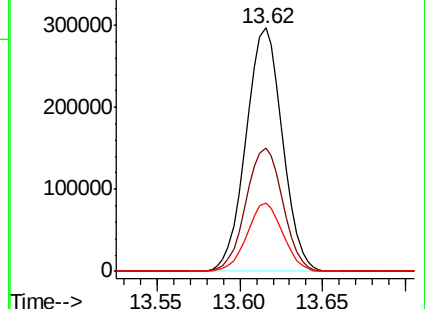
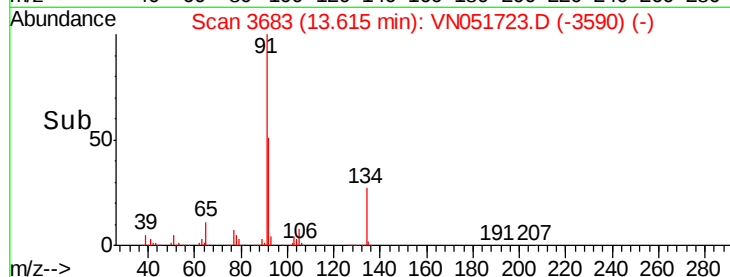
134 27.6 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN051723.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN051723.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN051723.D (-3590) (-)



#90

Hexachloroethane

Concen: 19.853 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051723.D

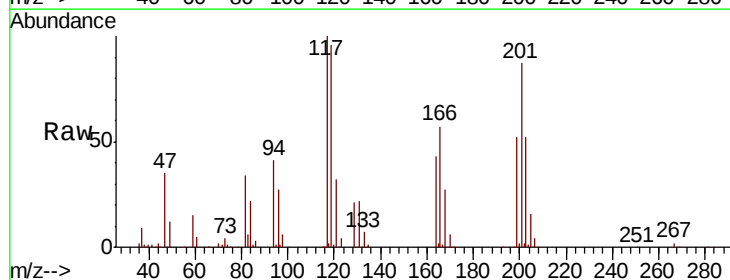
Acq: 8 Oct 2018 10:02

Tgt Ion: 117 Resp: 116000

Ion Ratio Lower Upper

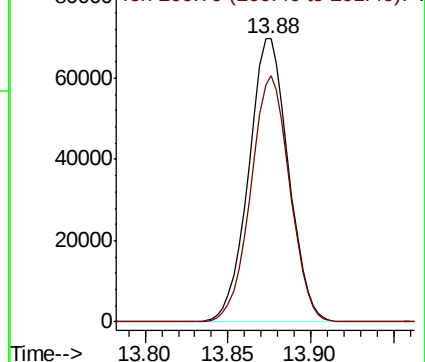
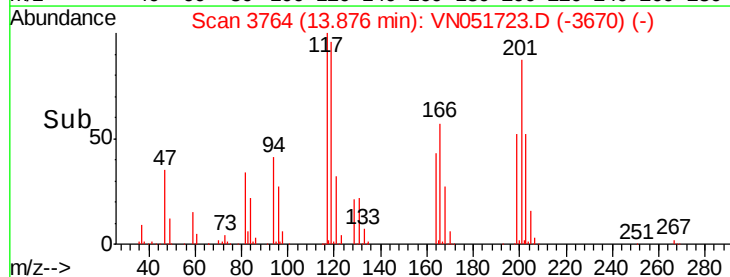
117 100

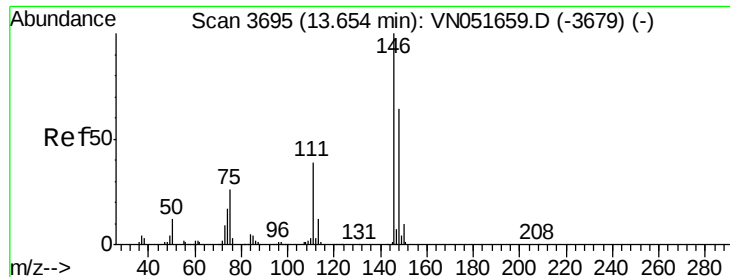
201 85.3 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VN051723.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051723.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 19.891 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

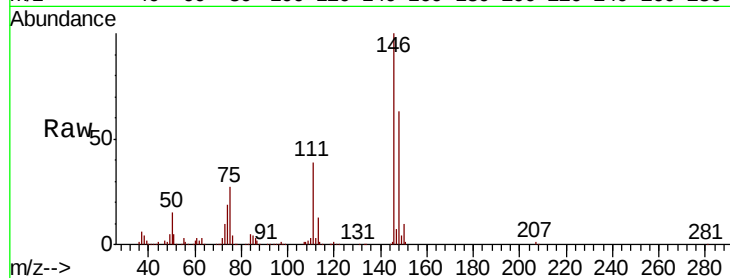
Tot Ion:146 Resp: 278627

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.0

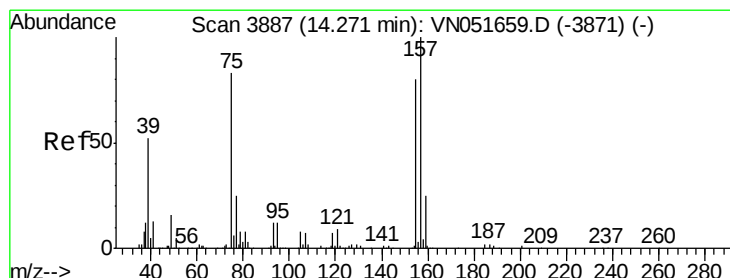
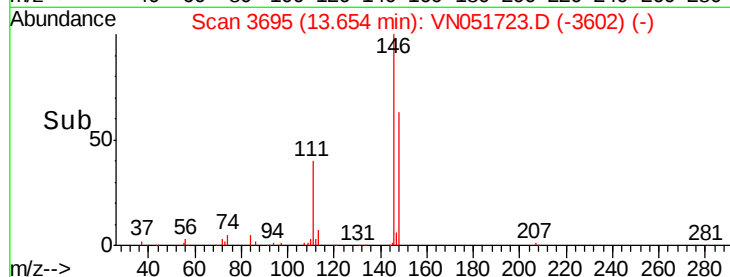
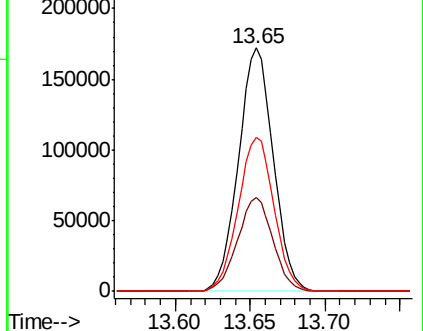
148 65.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.437 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

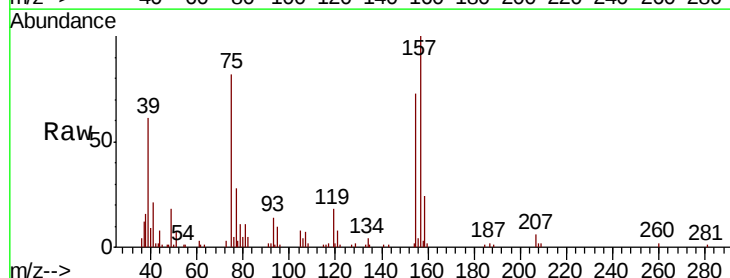
Tgt Ion: 75 Resp: 23744

Ion Ratio Lower Upper

75 100

155 92.4 47.6 142.9

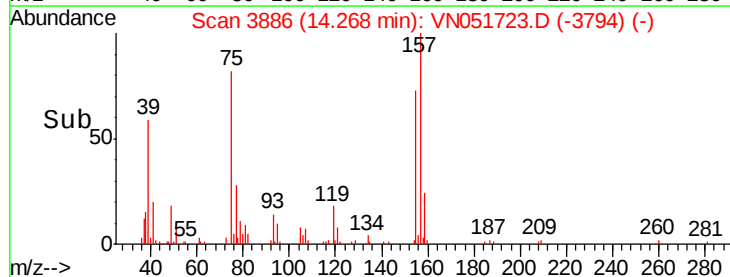
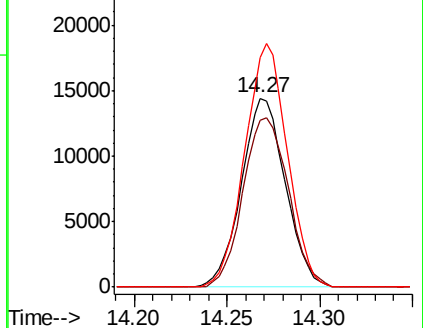
157 124.8 61.7 185.1

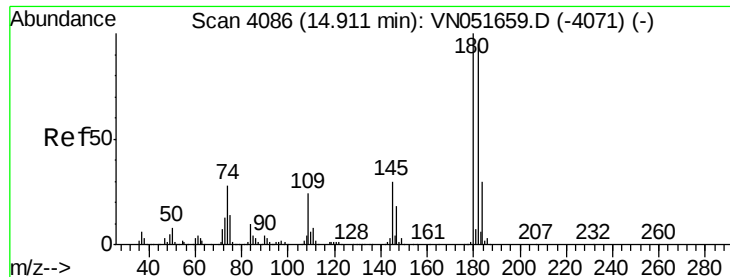


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

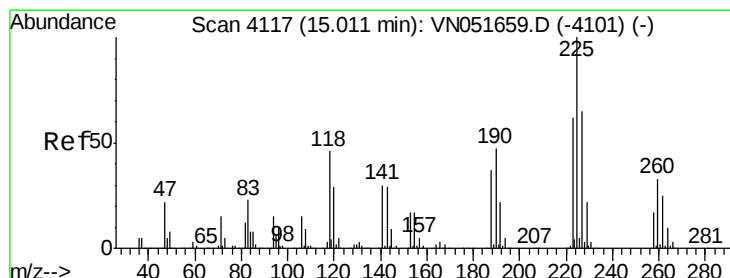
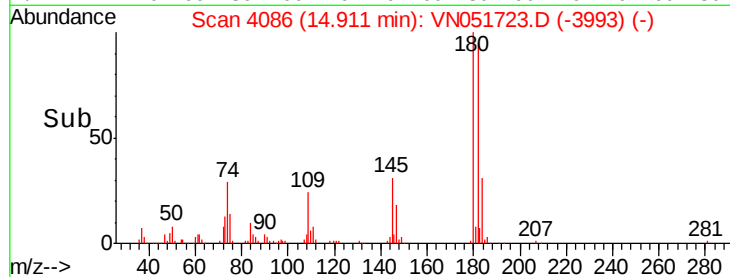
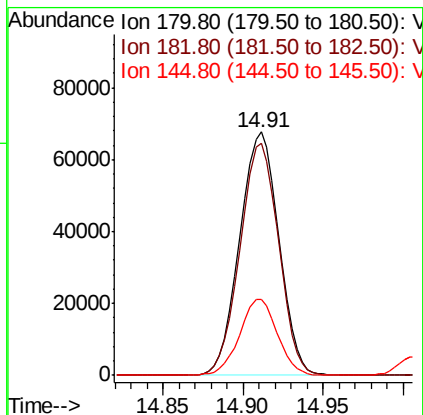
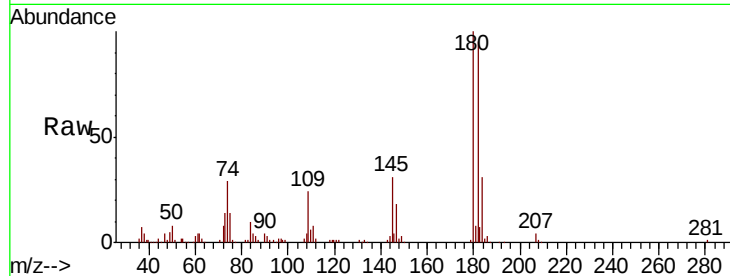




#93
 1,2,4-Trichlorobenzene
 Concen: 18.126 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

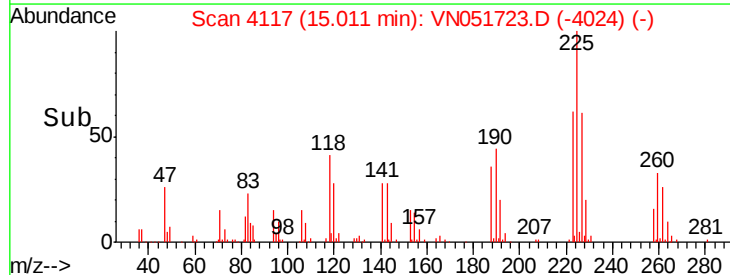
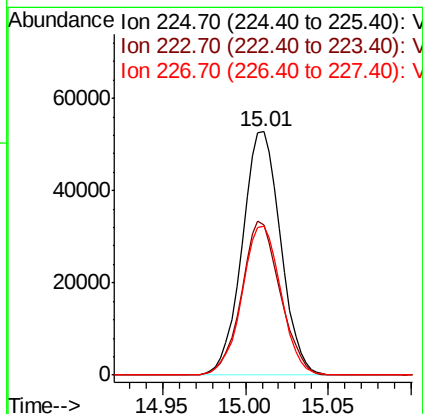
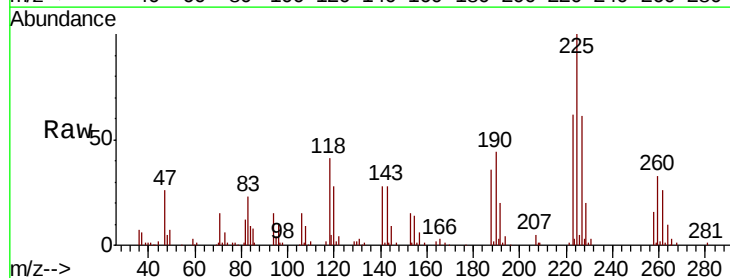
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

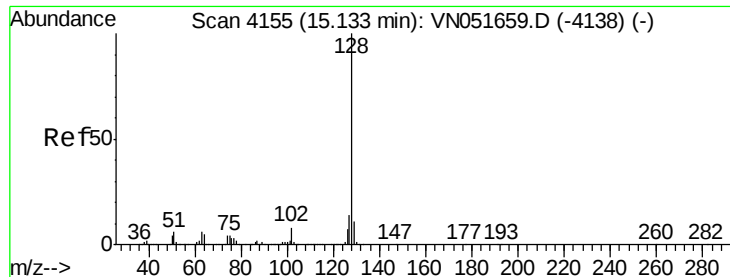
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.7	143.1
145	30.1	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 20.095 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.5
227	62.2	31.7	95.1





#95

Naphthalene

Concen: 17.923 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

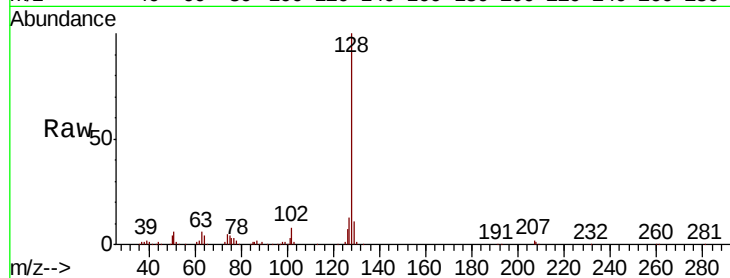
Tot Ion:128 Resp: 241255

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

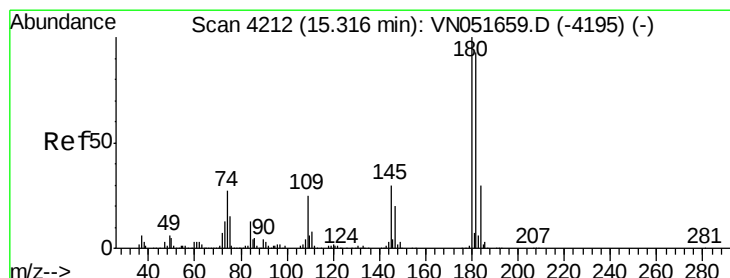
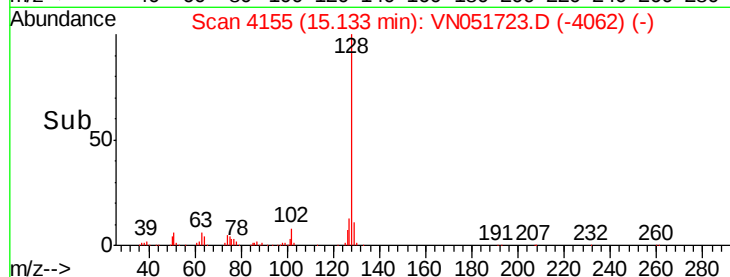
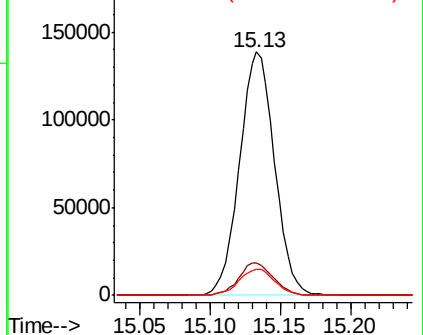
129 11.0 9.0 13.6



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



#96

1,2,3-Trichlorobenzene

Concen: 19.167 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

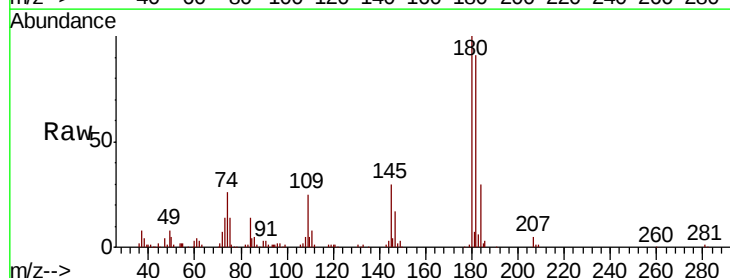
Tgt Ion:180 Resp: 117663

Ion Ratio Lower Upper

180 100

182 93.3 47.3 141.8

145 30.5 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

