

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052153.D
 Acq On : 5 Nov 2018 18:06
 Operator : MD\SY
 Sample : VN1105WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Quant Time: Nov 06 05:10:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	397433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	604163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240878	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.59	113	215372	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	10.09	98	813601	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	268706	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72209	20.836	ug/l	94
3) Chloromethane	2.06	50	95234	20.359	ug/l	96
4) Vinyl Chloride	2.19	62	91086	20.331	ug/l	99
5) Bromomethane	2.57	94	63955	19.095	ug/l	93
6) Chloroethane	2.71	64	56514	19.728	ug/l	100
7) Trichlorofluoromethane	3.02	101	131995	20.282	ug/l	98
8) Diethyl Ether	3.41	74	48266	21.229	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78534	20.194	ug/l	99
10) Methyl Iodide	3.96	142	104361	19.007	ug/l	99
11) Tert butyl alcohol	4.78	59	19787	96.583	ug/l	98
12) 1,1-Dichloroethene	3.74	96	74563	20.365	ug/l	98
13) Acrolein	3.61	56	22521	127.302	ug/l	96
14) Allyl chloride	4.33	41	125425	20.526	ug/l	99
15) Acrylonitrile	4.99	53	137350	102.408	ug/l	99
16) Acetone	3.82	43	102515	96.013	ug/l	91
17) Carbon Disulfide	4.06	76	204936	19.615	ug/l	98
18) Methyl Acetate	4.32	43	65049	19.172	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	210718	20.913	ug/l	96
20) Methylene Chloride	4.55	84	85755	19.330	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	78353	19.303	ug/l	97
22) Diisopropyl ether	5.95	45	269517	20.106	ug/l	94
23) Vinyl Acetate	5.90	43	944159	106.556	ug/l	100
24) 1,1-Dichloroethane	5.85	63	153266	20.124	ug/l	99
25) 2-Butanone	6.83	43	164084	99.106	ug/l	97
26) 2,2-Dichloropropane	6.83	77	117543	19.720	ug/l	85
27) cis-1,2-Dichloroethene	6.84	96	94146	20.383	ug/l	97
28) Bromochloromethane	7.19	49	76502	21.231	ug/l	99
29) Tetrahydrofuran	7.21	42	106345	103.813	ug/l	97
30) Chloroform	7.37	83	156865	20.670	ug/l	94
31) Cyclohexane	7.66	56	146183	19.549	ug/l	# 95
32) 1,1,1-Trichloroethane	7.57	97	131137	19.615	ug/l	98
36) 1,1-Dichloropropene	7.79	75	115562	19.062	ug/l	99
37) Ethyl Acetate	6.93	43	76340	20.404	ug/l	97
38) Carbon Tetrachloride	7.78	117	114561	18.901	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	140667	19.592	ug/l	99
40) Benzene	8.04	78	348590	19.560	ug/l	100
41) Methacrylonitrile	7.17	41	48811	24.053	ug/l #	80
42) 1,2-Dichloroethane	8.12	62	112798	19.688	ug/l	98
43) Isopropyl Acetate	8.17	43	141304	20.428	ug/l	100
44) Trichloroethene	8.84	130	91543	19.401	ug/l	98
45) 1,2-Dichloropropane	9.12	63	94571	20.037	ug/l	99
46) Dibromomethane	9.21	93	58168	19.379	ug/l	98
47) Bromodichloromethane	9.40	83	111470	19.042	ug/l	98
48) Methyl methacrylate	9.20	41	66308	19.917	ug/l	99
49) 1,4-Dioxane	9.20	88	11918	411.902	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	376621	103.059	ug/l	99
52) Toluene	10.16	92	220047	20.475	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	110798	19.294	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	131884	19.626	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	77288	20.398	ug/l	97
56) Ethyl methacrylate	10.43	69	99573	20.161	ug/l	99
57) 1,3-Dichloropropane	10.71	76	130731	19.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	275992	103.836	ug/l	99
59) 2-Hexanone	10.75	43	251253	98.766	ug/l	99
60) Dibromochloromethane	10.90	129	79872	18.536	ug/l	97
61) 1,2-Dibromoethane	11.01	107	76778	19.962	ug/l	99
64) Tetrachloroethene	10.63	164	78907	20.160	ug/l	98
65) Chlorobenzene	11.43	112	239883	19.480	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83836	20.272	ug/l	97
67) Ethyl Benzene	11.51	91	400652	19.589	ug/l	97
68) m/p-Xylenes	11.62	106	318700	40.383	ug/l	98
69) o-Xylene	11.95	106	154667	20.208	ug/l	98
70) Styrene	11.96	104	243042	20.059	ug/l	100
71) Bromoform	12.13	173	47006	18.889	ug/l #	98
73) Isopropylbenzene	12.25	105	398408	19.614	ug/l	99
74) N-amyl acetate	12.07	43	123788	20.537	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	89517	20.134	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	111762	26.435	ug/l #	100
77) Bromobenzene	12.53	156	93502	19.304	ug/l	96
78) n-propylbenzene	12.59	91	451091	19.432	ug/l	98
79) 2-Chlorotoluene	12.67	91	259952	19.096	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	323027	19.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22072	18.694	ug/l	97
82) 4-Chlorotoluene	12.77	91	273195	19.967	ug/l	98
83) tert-Butylbenzene	12.99	119	281411	19.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	322010	19.675	ug/l	100
85) sec-Butylbenzene	13.17	105	385956	19.660	ug/l	99
86) p-Isopropyltoluene	13.29	119	324059	19.612	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	163383	19.088	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162900	19.040	ug/l	97
89) n-Butylbenzene	13.61	91	277382	19.387	ug/l	97
90) Hexachloroethane	13.87	117	53360	19.162	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	158543	19.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12763	21.746	ug/l	84

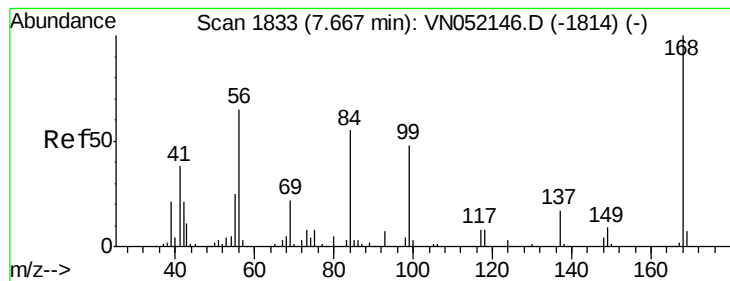
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
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Quant Title : SW846 8260
QLast Update : Mon Nov 05 22:32:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65613	18.781	ug/l	98
94) Hexachlorobutadiene	15.01	225	34803	18.219	ug/l	97
95) Naphthalene	15.13	128	148853	18.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	58857	19.146	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

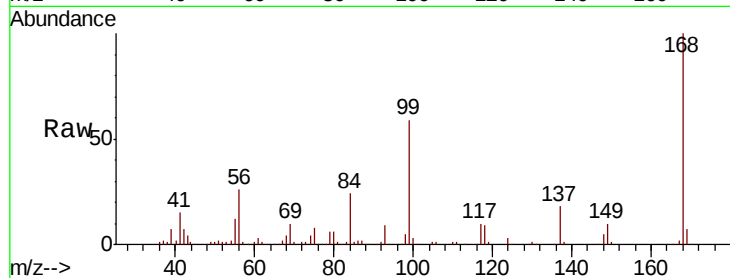
VN1105WBS01

Tot Ion:168 Resp: 397433

Ion Ratio Lower Upper

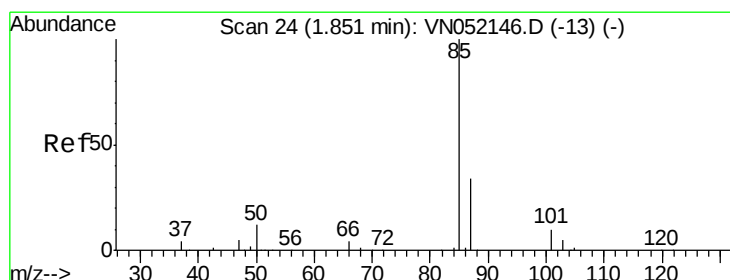
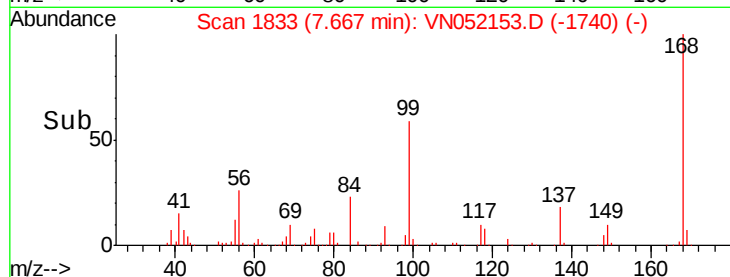
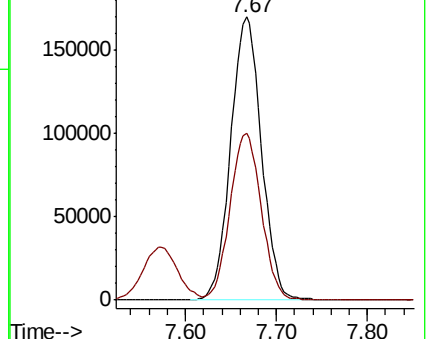
168 100

99 58.9 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.836 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052153.D

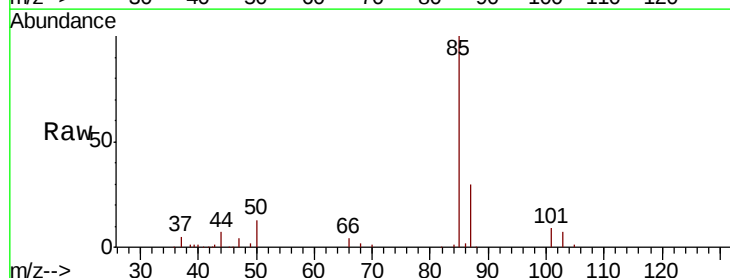
Acq: 5 Nov 2018 18:06

Tgt Ion: 85 Resp: 72209

Ion Ratio Lower Upper

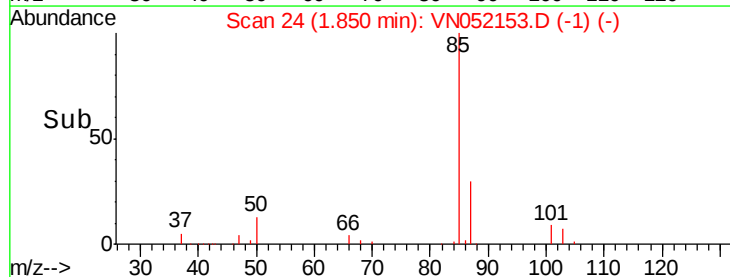
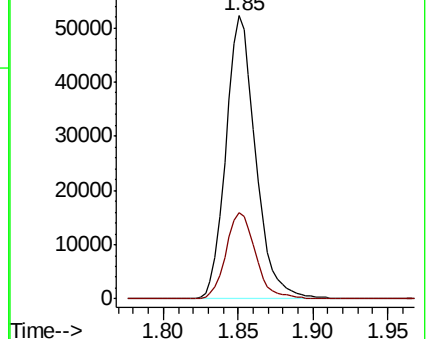
85 100

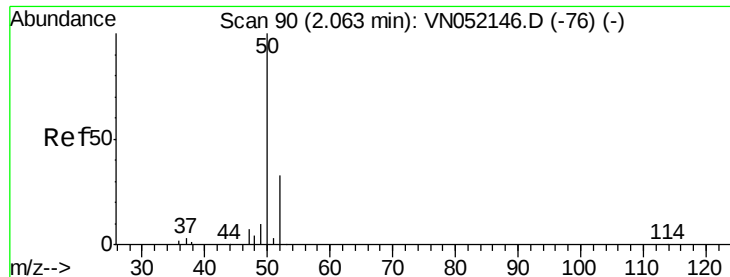
87 30.4 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.359 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

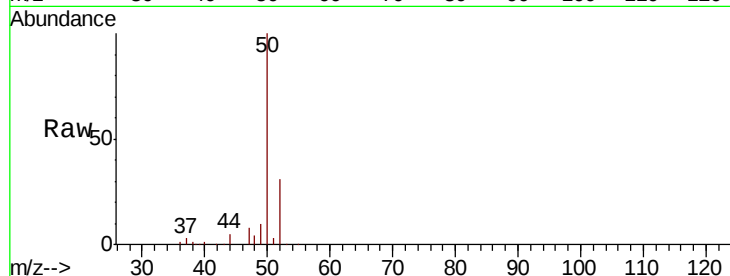
VN1105WBS01

Tot Ion: 50 Resp: 95234

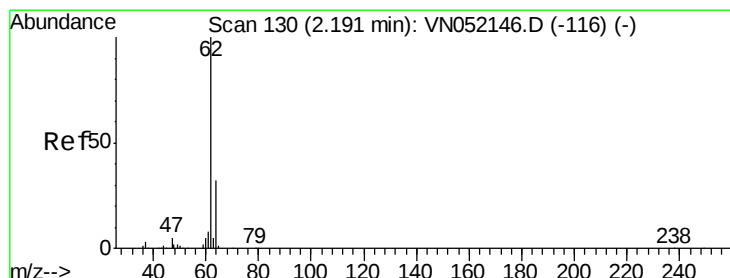
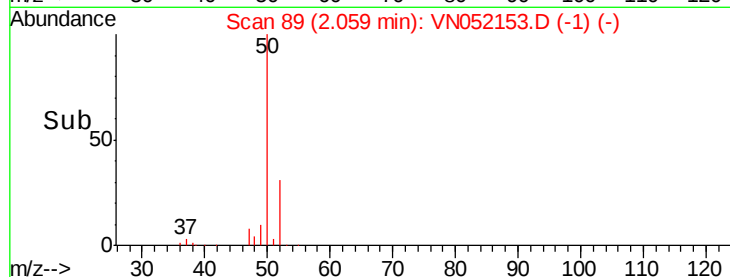
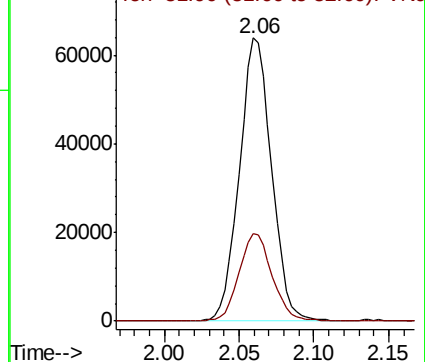
Ion Ratio Lower Upper

50 100

52 30.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.331 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052153.D

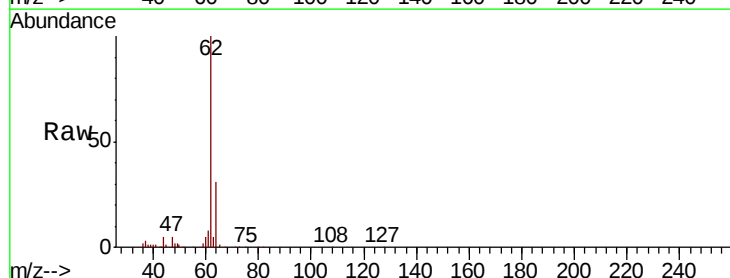
Acq: 5 Nov 2018 18:06

Tgt Ion: 62 Resp: 91086

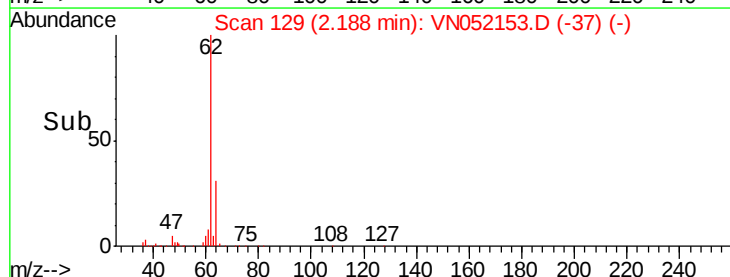
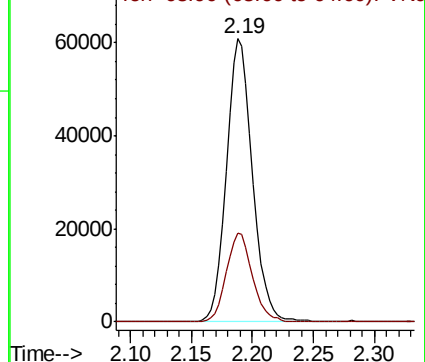
Ion Ratio Lower Upper

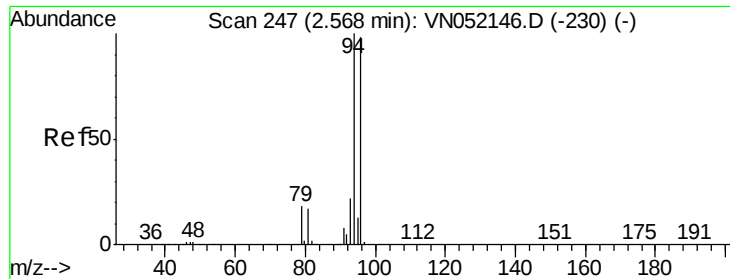
62 100

64 31.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.095 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

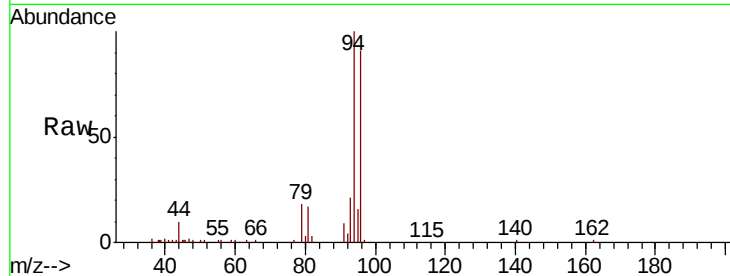
VN1105WBS01

Tot Ion: 94 Resp: 63955

Ion Ratio Lower Upper

94 100

96 91.0 78.3 117.5



Abundance Ion 93.90 (93.60 to 94.60): VN052146.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN052146.D (-230) (-)

2.57

30000

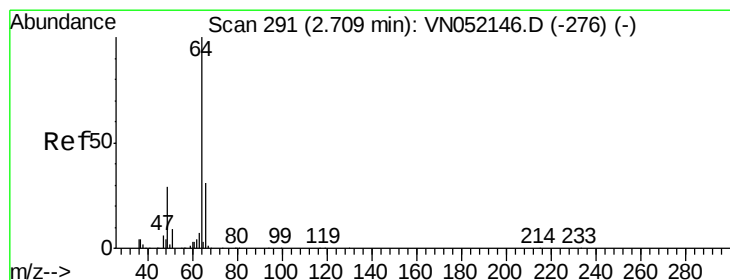
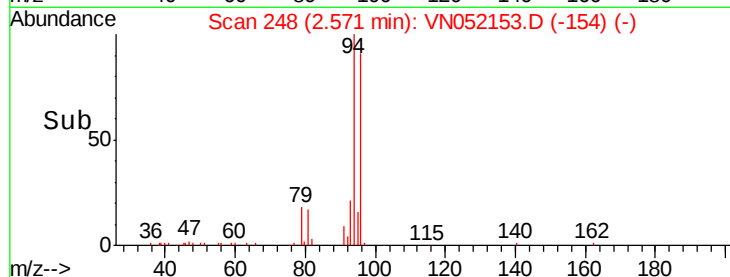
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.728 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052153.D

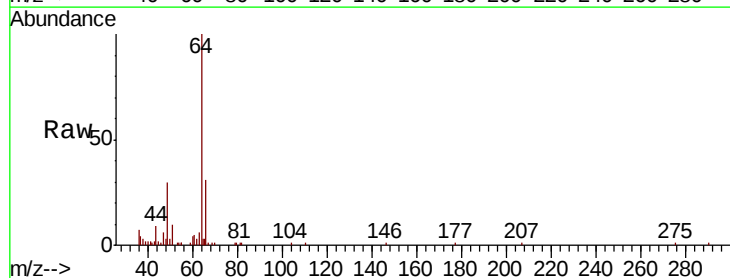
Acq: 5 Nov 2018 18:06

Tgt Ion: 64 Resp: 56514

Ion Ratio Lower Upper

64 100

66 31.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN052146.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN052146.D (-276) (-)

2.71

30000

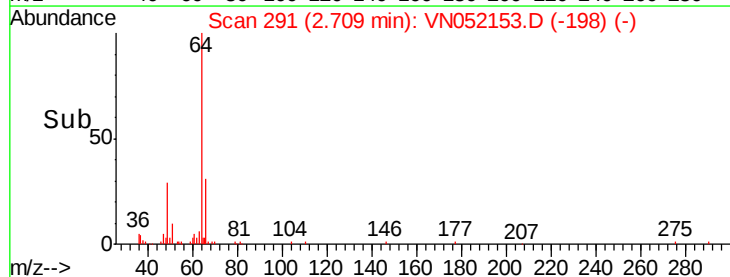
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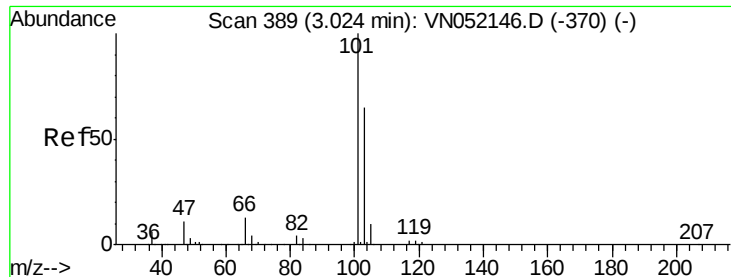
10000

0

Time-->

2.65 2.70 2.75 2.80



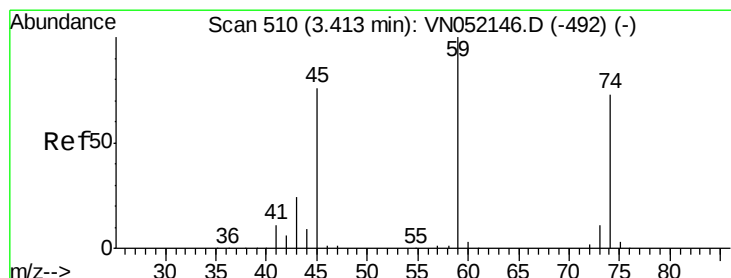
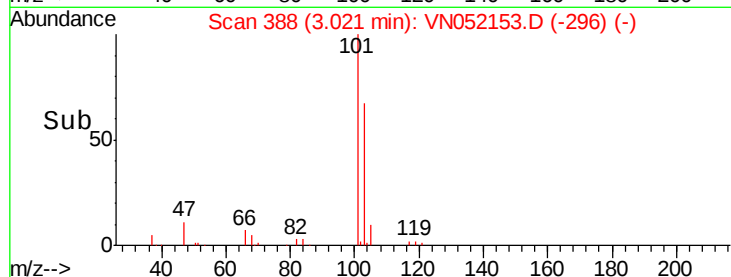
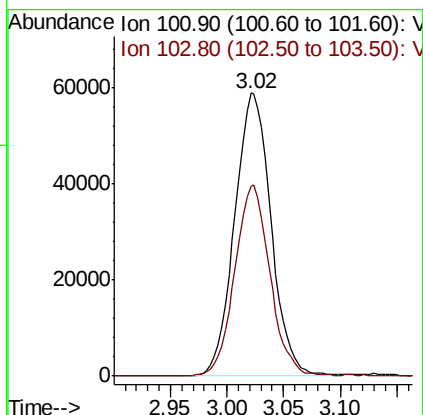
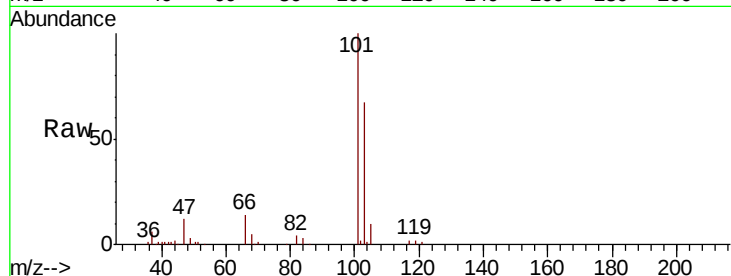


#7

Trichlorofluoromethane
Concen: 20.282 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

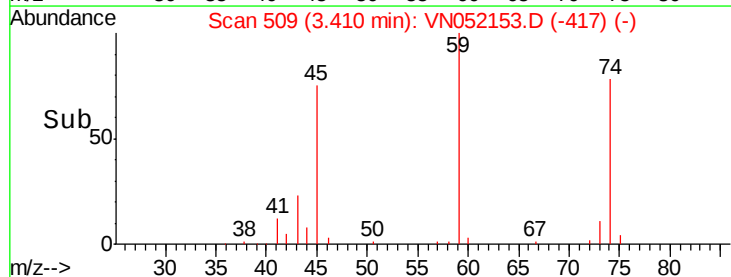
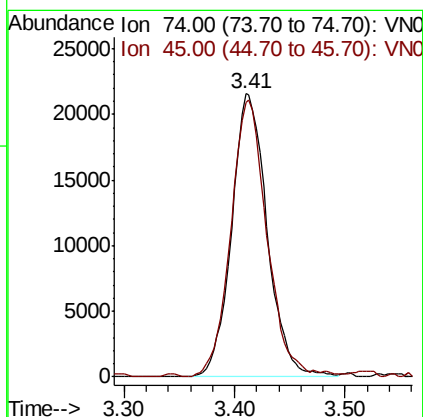
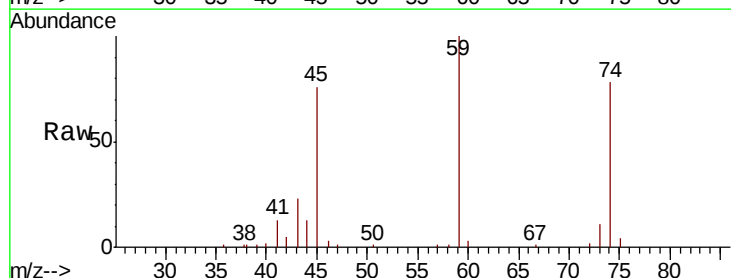
Tot Ion:101 Resp: 131995
Ion Ratio Lower Upper
101 100
103 67.1 52.2 78.4

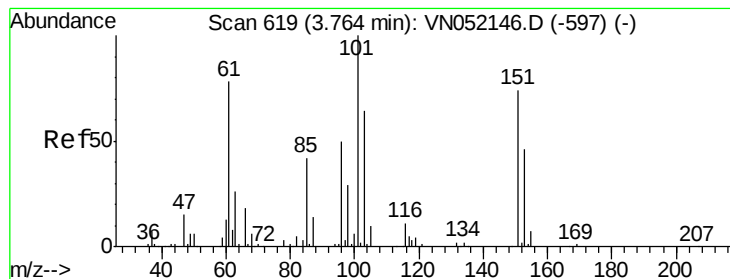


#8

Diethyl Ether
Concen: 21.229 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 74 Resp: 48266
Ion Ratio Lower Upper
74 100
45 99.3 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.194 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

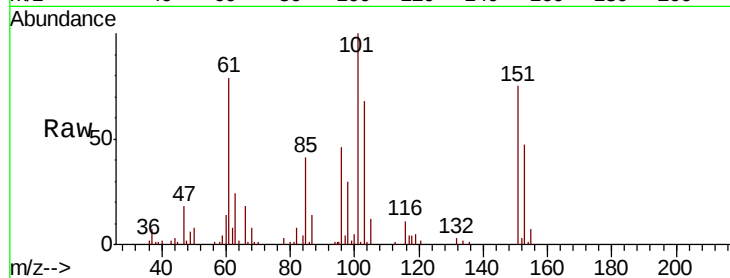
Tot Ion:101 Resp: 78534

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

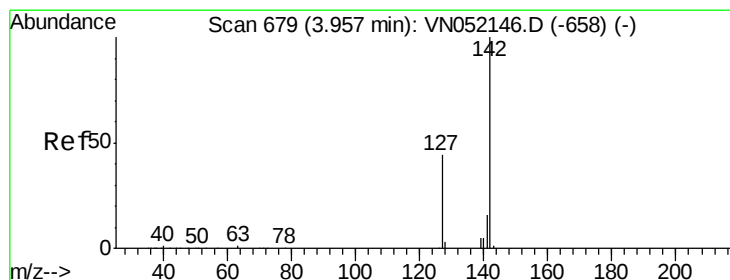
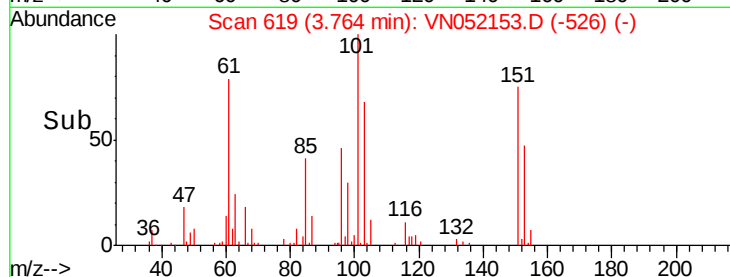
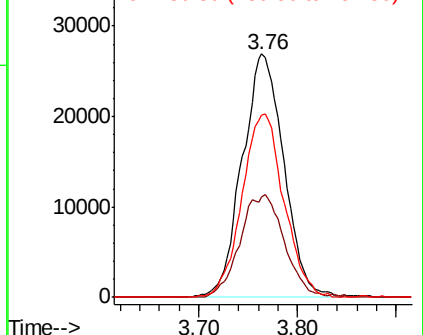
151 75.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.007 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

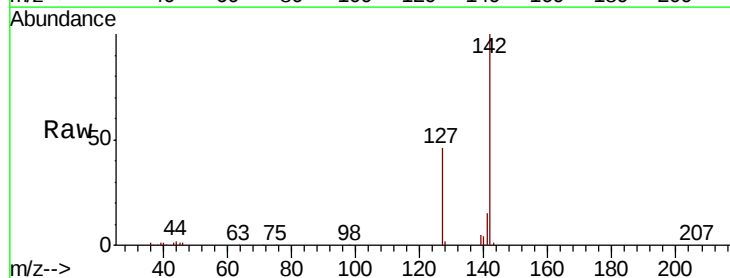
Tgt Ion:142 Resp: 104361

Ion Ratio Lower Upper

142 100

127 45.8 36.0 54.0

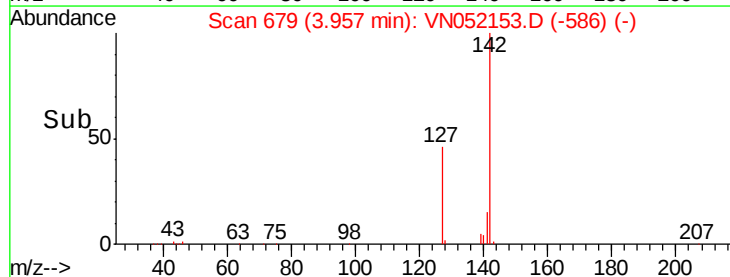
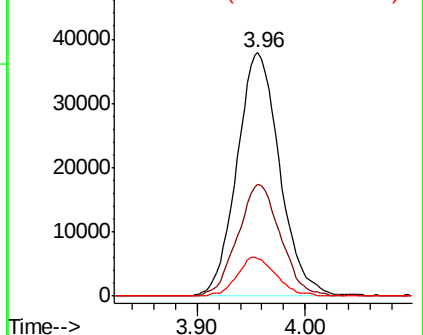
141 14.6 11.8 17.6

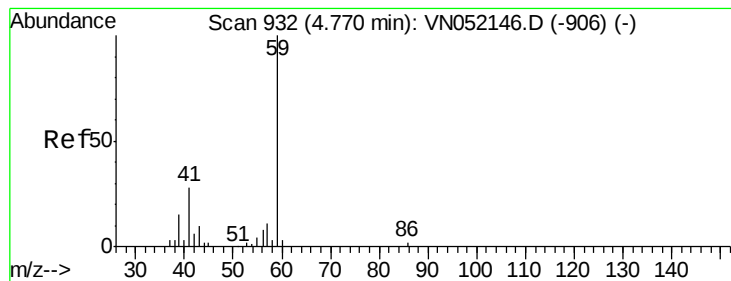


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



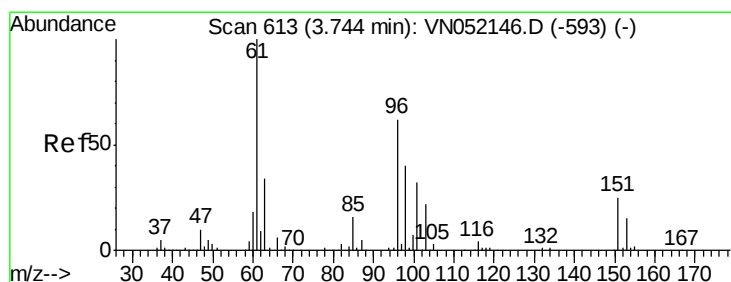
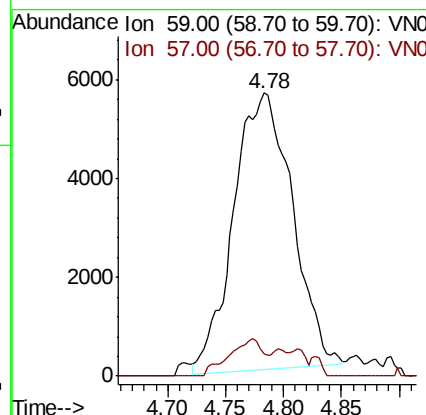
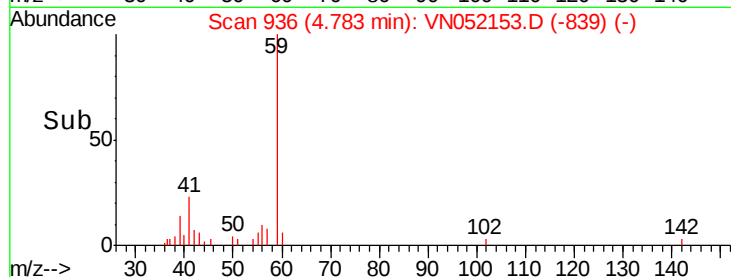
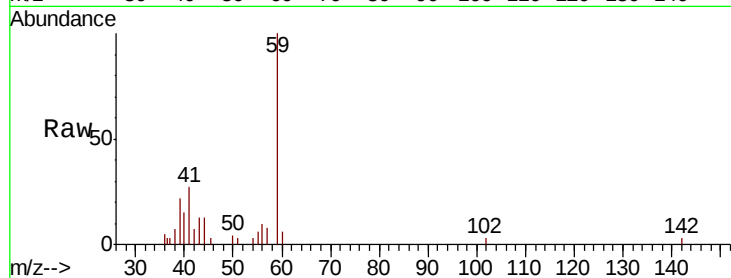


#11

Tert butyl alcohol
 Concen: 96.583 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

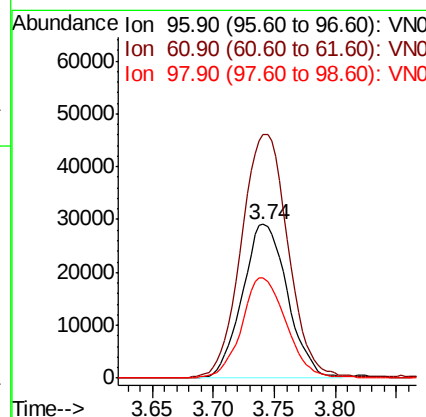
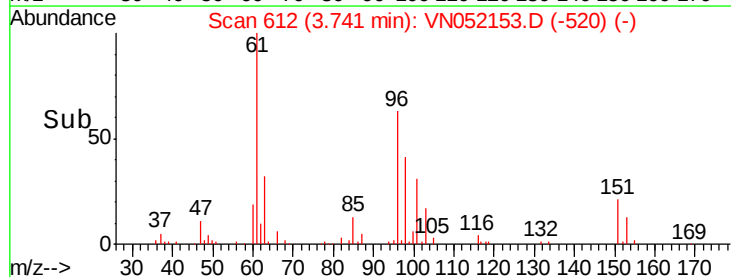
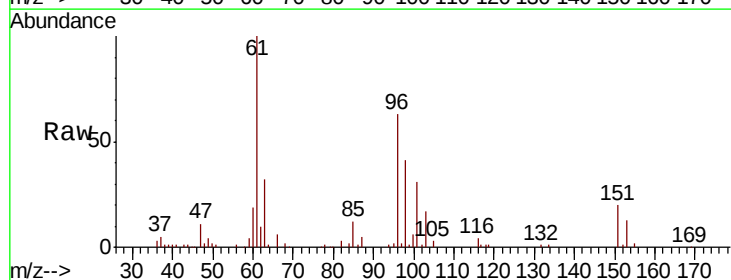
Tot Ion: 59 Resp: 19787
 Ion Ratio Lower Upper
 59 100
 57 7.7 5.7 8.5

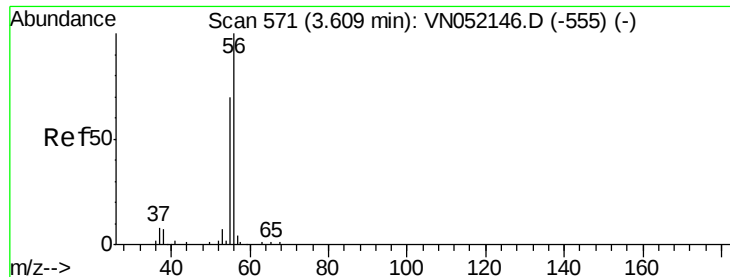


#12

1,1-Dichloroethene
 Concen: 20.365 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 96 Resp: 74563
 Ion Ratio Lower Upper
 96 100
 61 157.6 128.4 192.6
 98 65.3 50.9 76.3





#13

Acrolein

Concen: 127.302 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

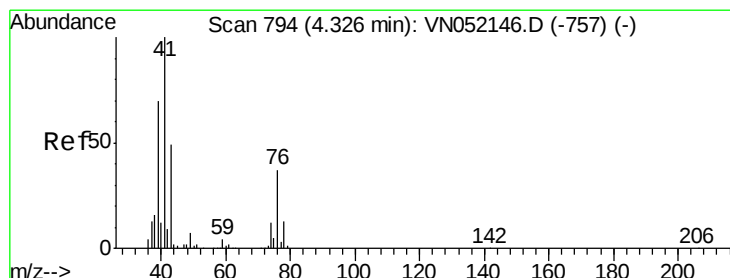
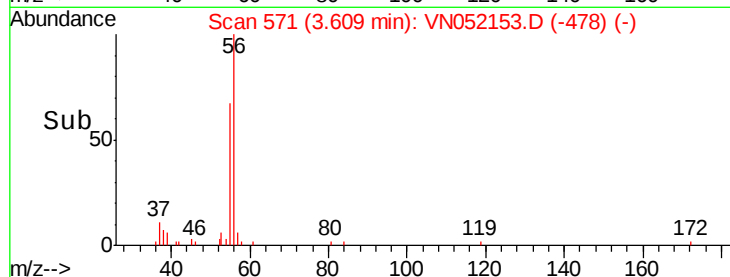
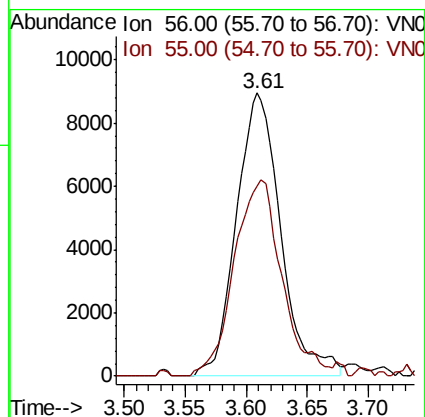
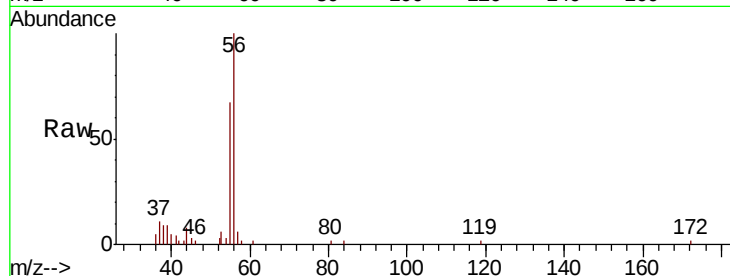
VN1105WBS01

Tot Ion: 56 Resp: 22521

Ion Ratio Lower Upper

56 100

55 74.3 56.6 84.8



#14

Allyl chloride

Concen: 20.526 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

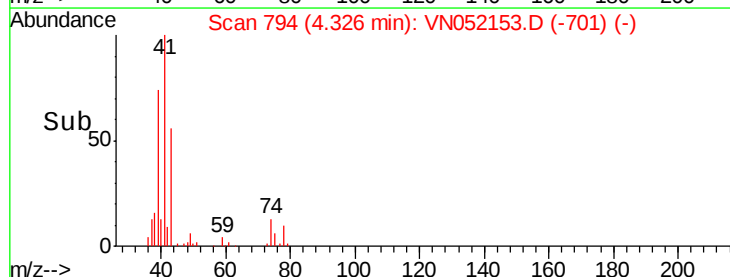
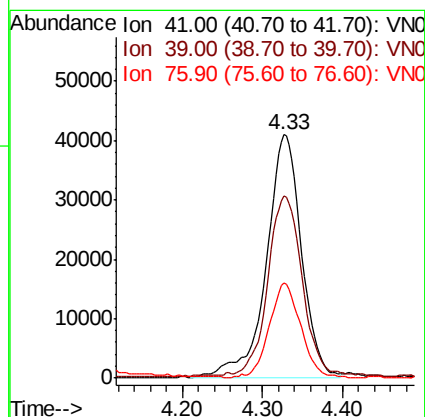
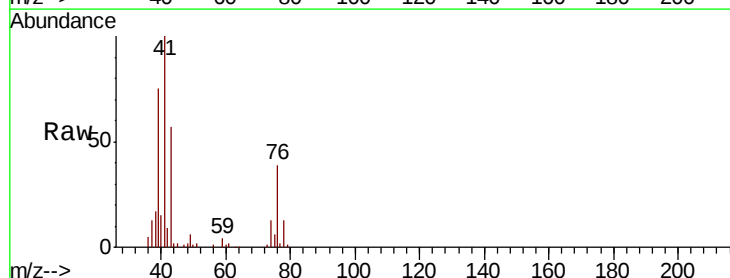
Tgt Ion: 41 Resp: 125425

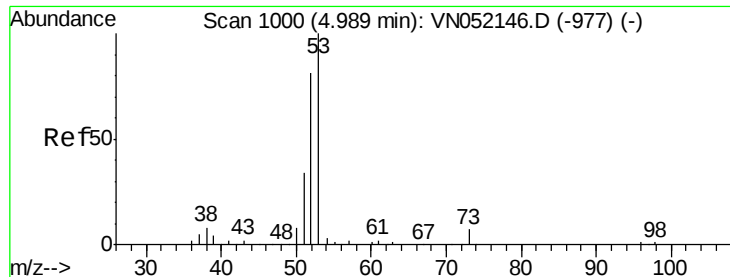
Ion Ratio Lower Upper

41 100

39 70.1 55.3 82.9

76 35.1 27.8 41.8

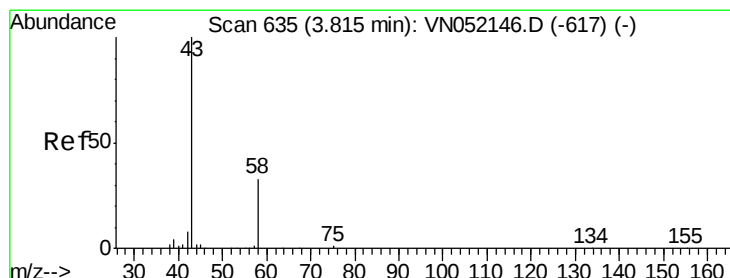
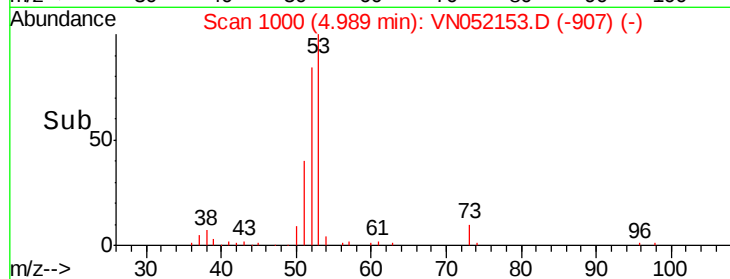
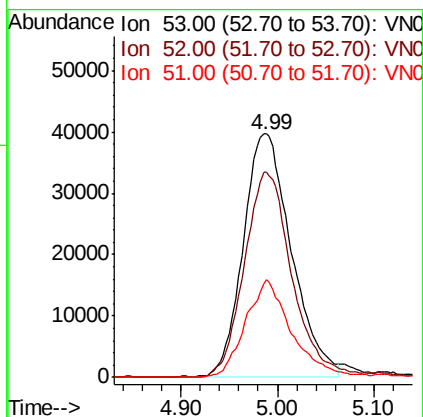
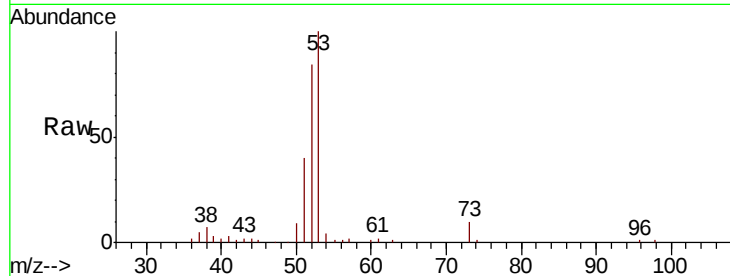




#15
 Acrylonitrile
 Concen: 102.408 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

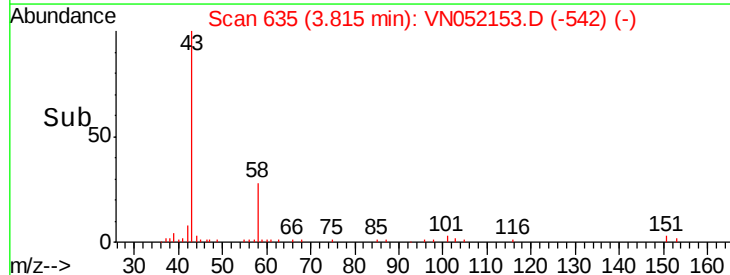
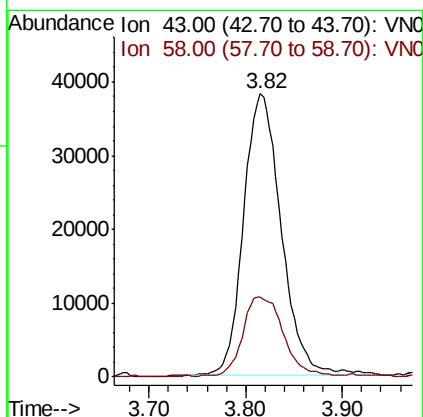
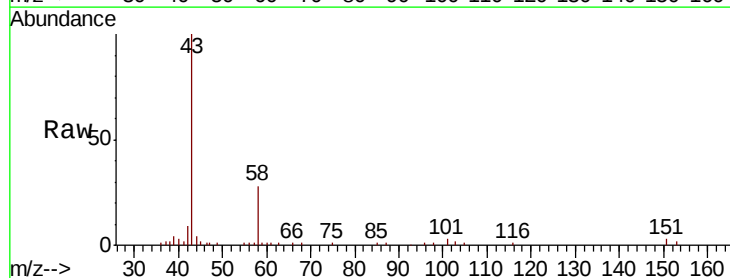
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

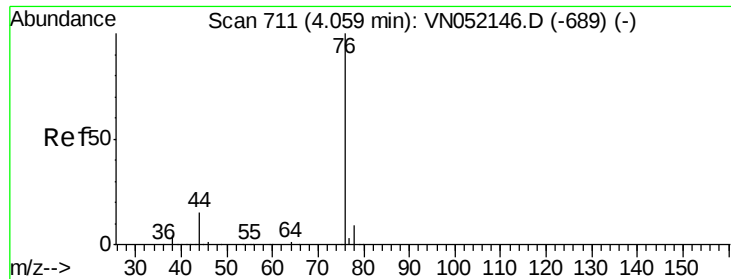
Tot Ion: 53 Resp: 137350
 Ion Ratio Lower Upper
 53 100
 52 83.4 66.5 99.7
 51 38.0 29.2 43.8



#16
 Acetone
 Concen: 96.013 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 43 Resp: 102515
 Ion Ratio Lower Upper
 43 100
 58 27.7 26.2 39.2





#17

Carbon Disulfide

Concen: 19.615 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

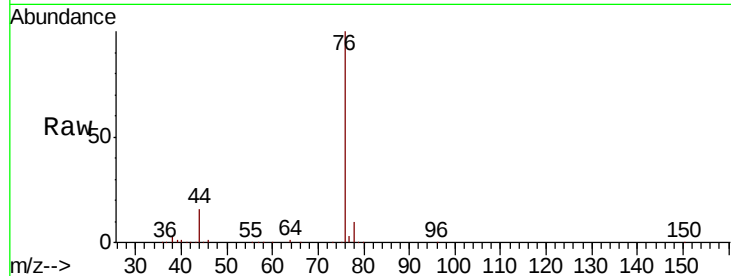
VN1105WBS01

Tot Ion: 76 Resp: 204936

Ion Ratio Lower Upper

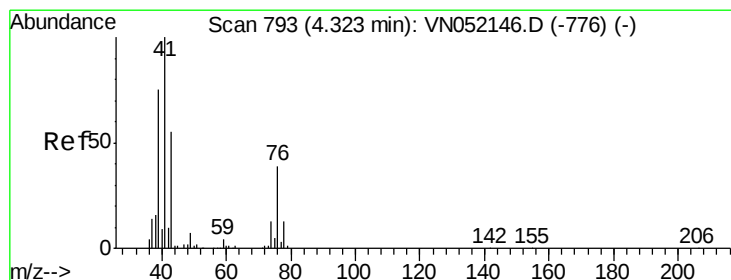
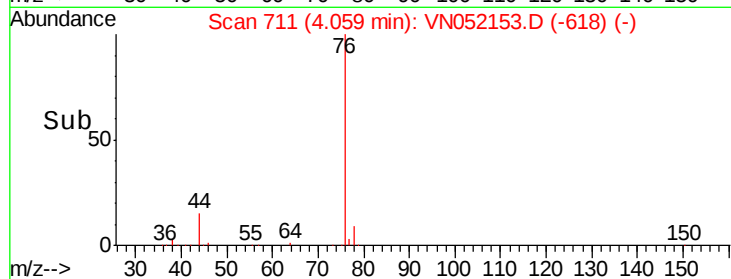
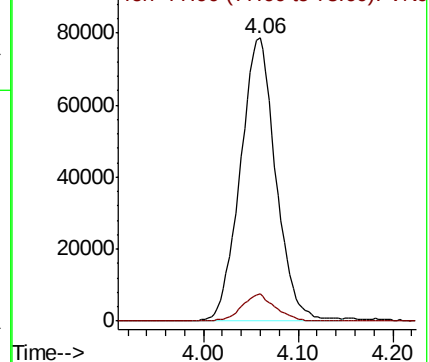
76 100

78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.172 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052153.D

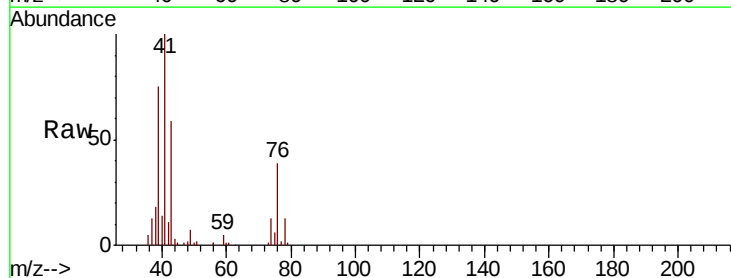
Acq: 5 Nov 2018 18:06

Tgt Ion: 43 Resp: 65049

Ion Ratio Lower Upper

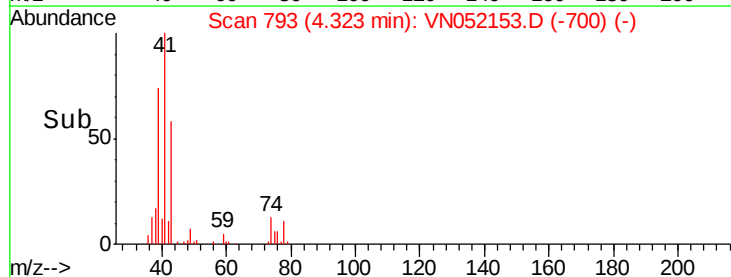
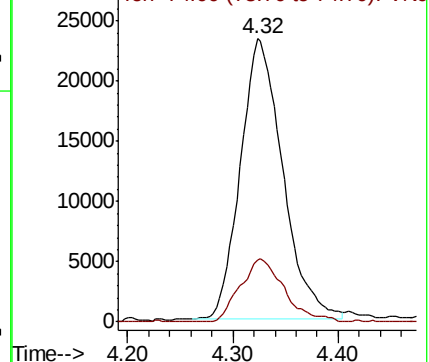
43 100

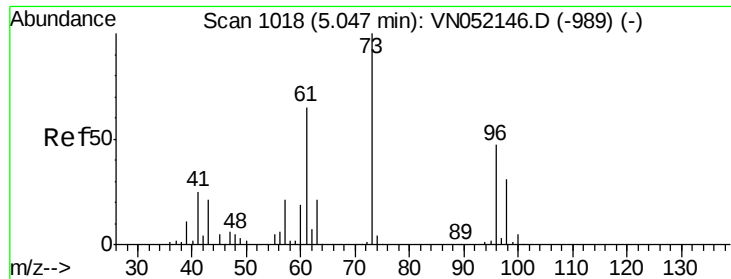
74 23.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

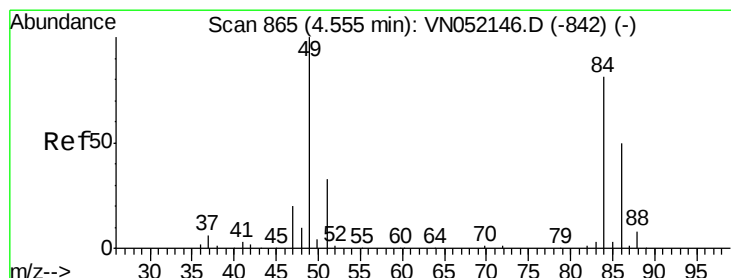
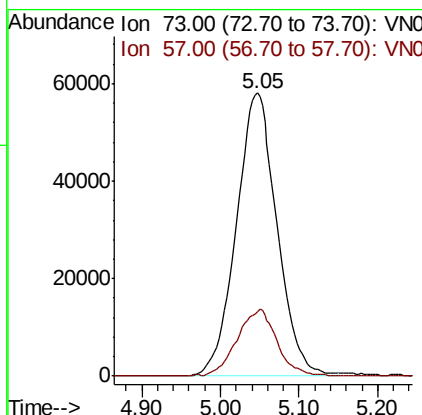
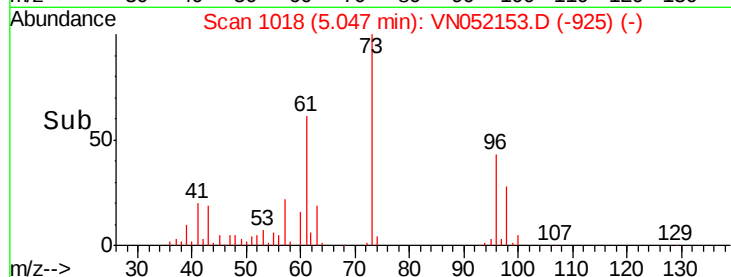
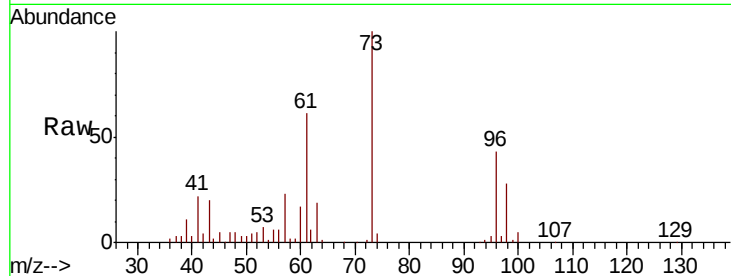




#19
Methvl tert-butvl Ether
Concen: 20.913 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

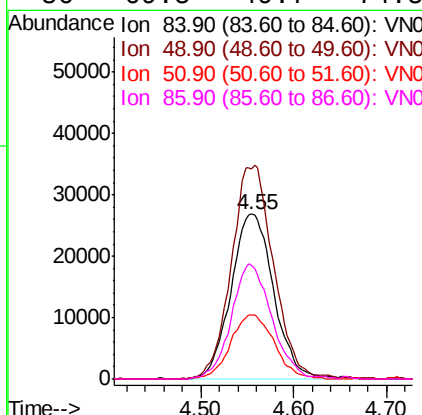
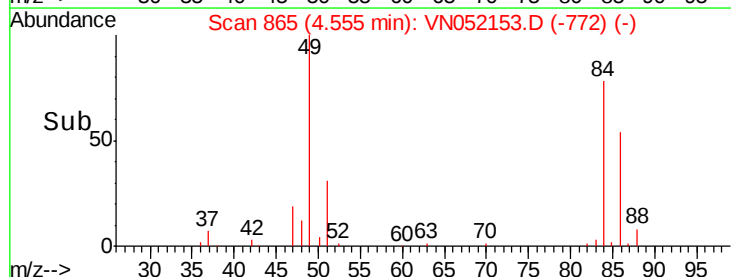
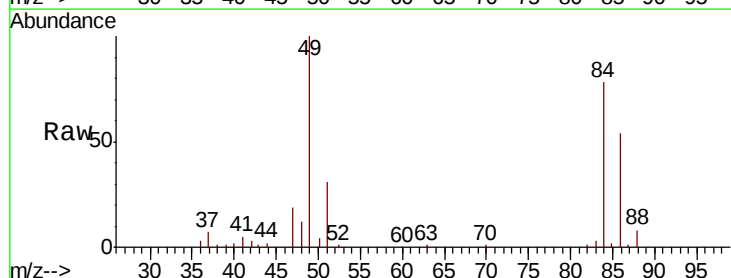
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

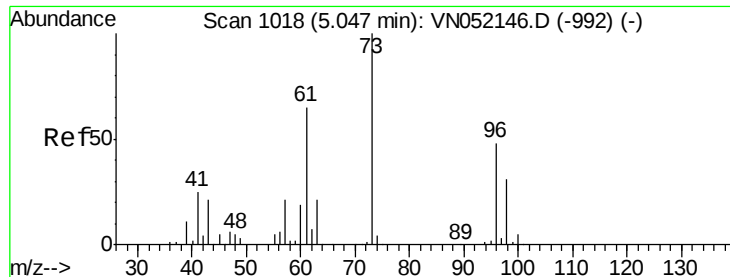
Tot Ion: 73 Resp: 210718
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 19.330 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 84 Resp: 85755
Ion Ratio Lower Upper
84 100
49 127.3 98.4 147.6
51 39.1 32.5 48.7
86 69.5 49.7 74.5

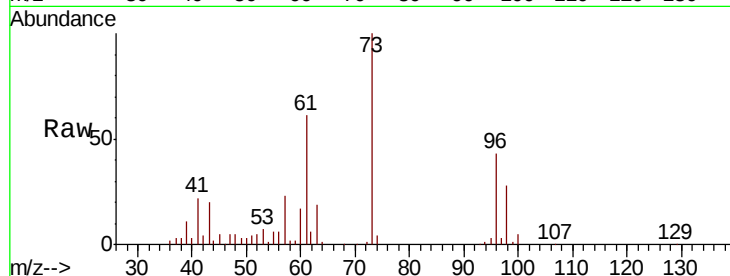




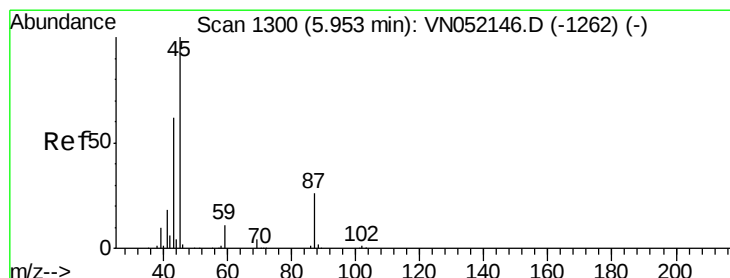
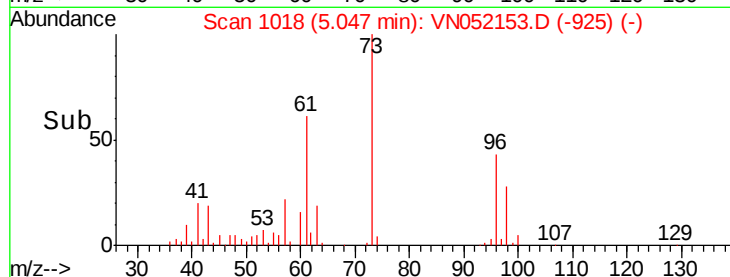
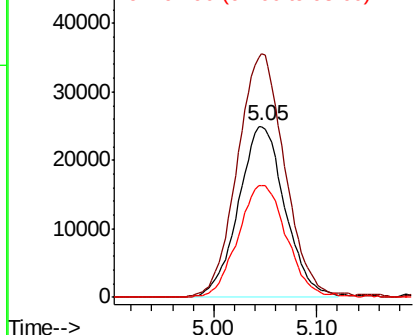
#21
trans-1,2-Dichloroethene
Concen: 19.303 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 96 Resp: 78353
Ion Ratio Lower Upper
96 100
61 141.7 109.6 164.4
98 65.2 52.0 78.0

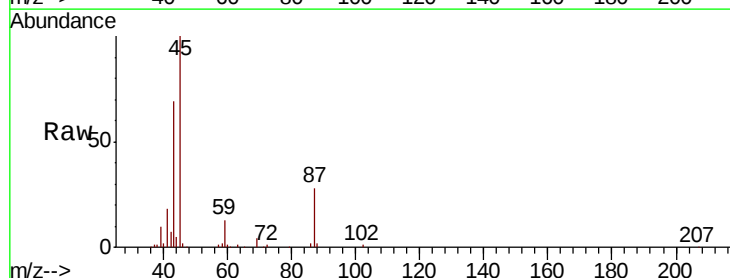


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

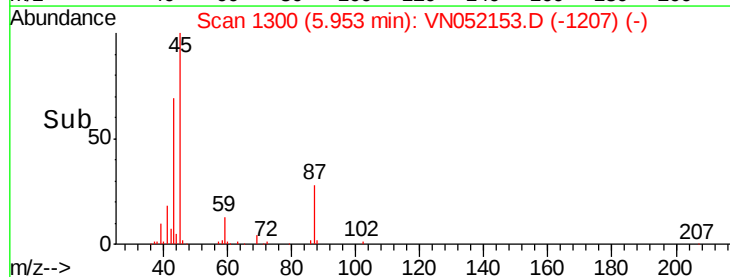
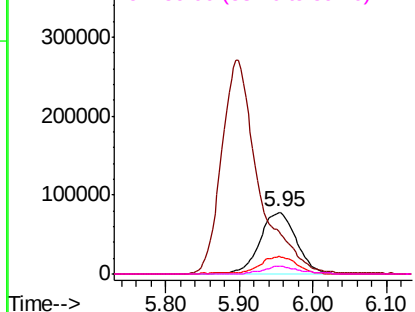


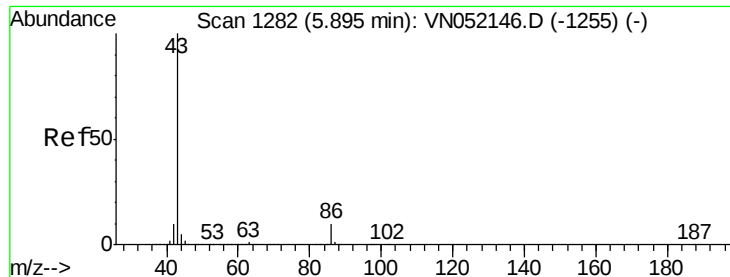
#22
Diisopropyl ether
Concen: 20.106 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 45 Resp: 269517
Ion Ratio Lower Upper
45 100
43 68.4 49.8 74.6
87 28.0 21.1 31.7
59 12.4 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 106.556 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

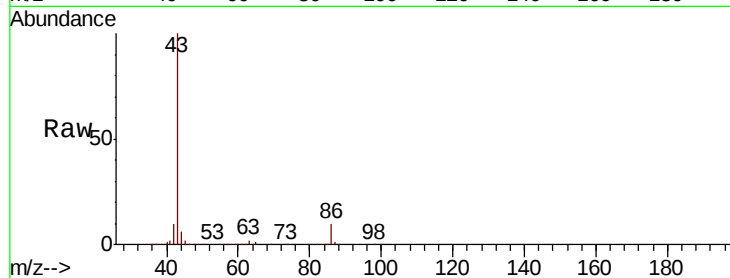
VN1105WBS01

Tot Ion: 43 Resp: 944159

Ion Ratio Lower Upper

43 100

86 9.8 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052146.D (-1255) (-)

5.90

300000

250000

200000

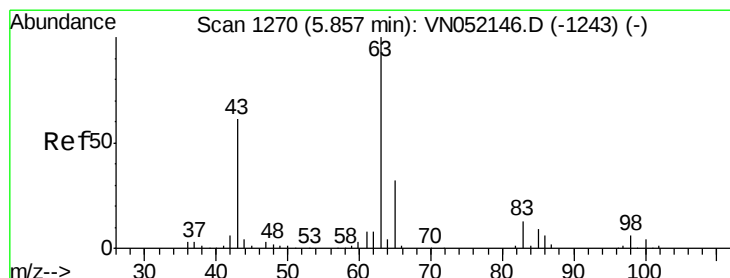
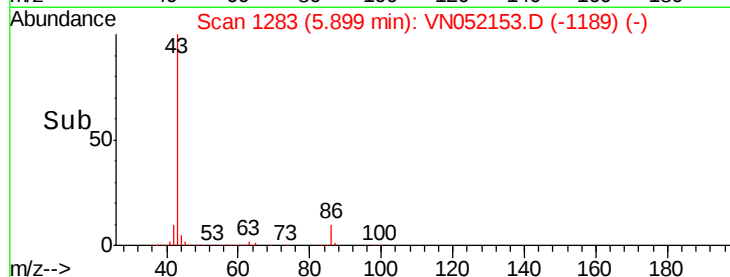
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.124 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

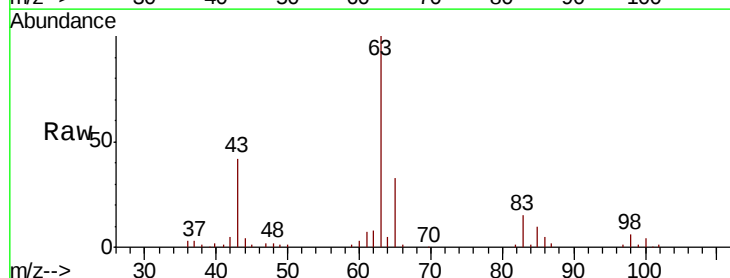
Tgt Ion: 63 Resp: 153266

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 4.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)

5.85

60000

50000

40000

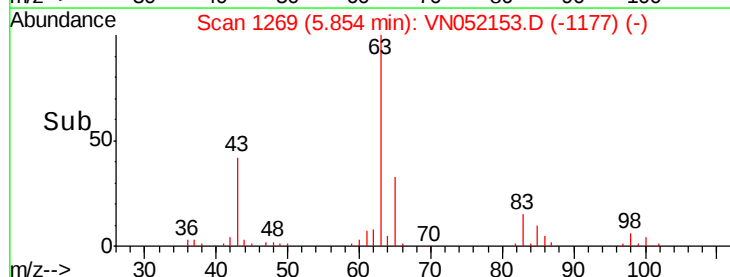
30000

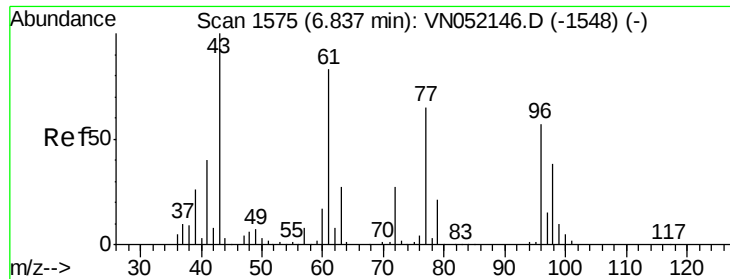
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.106 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

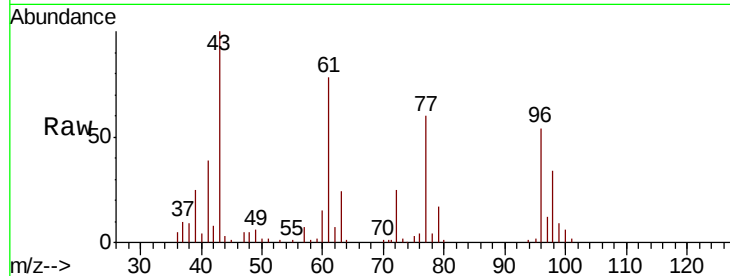
VN1105WBS01

Tot Ion: 43 Resp: 164084

Ion Ratio Lower Upper

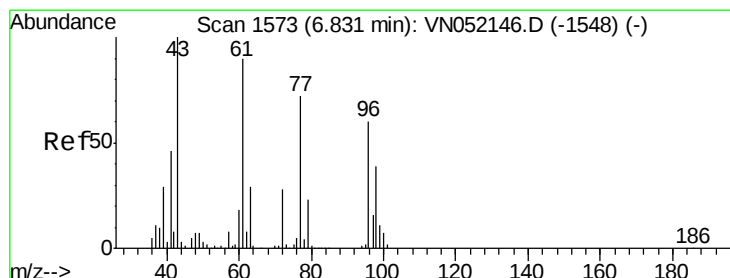
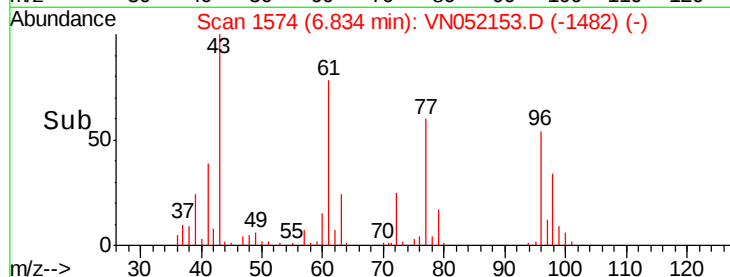
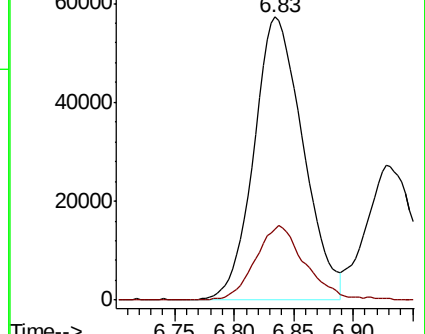
43 100

72 25.0 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.720 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052153.D

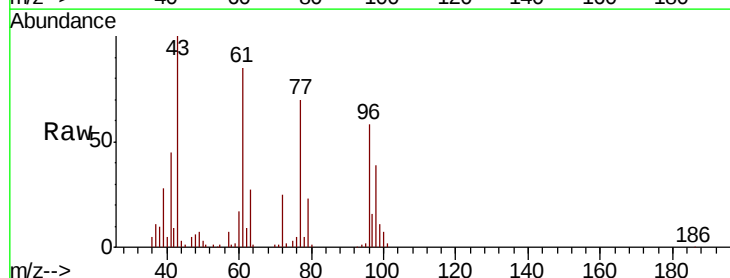
Acq: 5 Nov 2018 18:06

Tgt Ion: 77 Resp: 117543

Ion Ratio Lower Upper

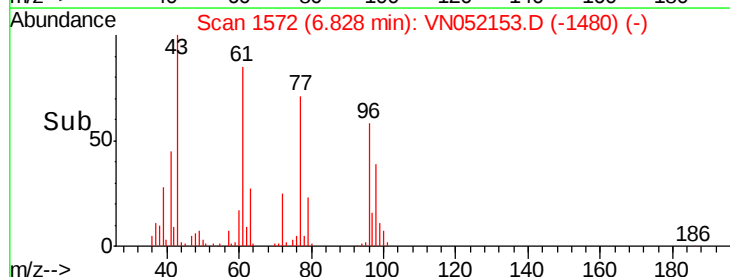
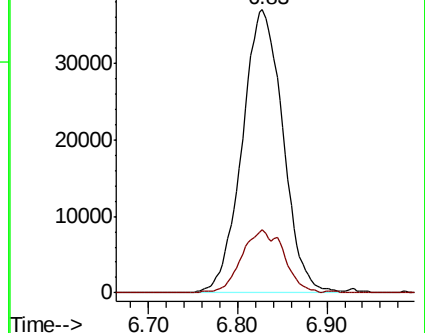
77 100

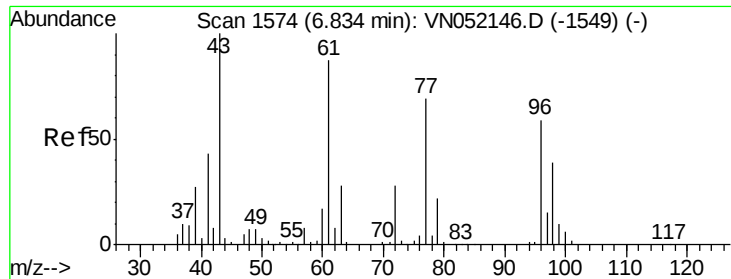
97 15.5 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.383 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

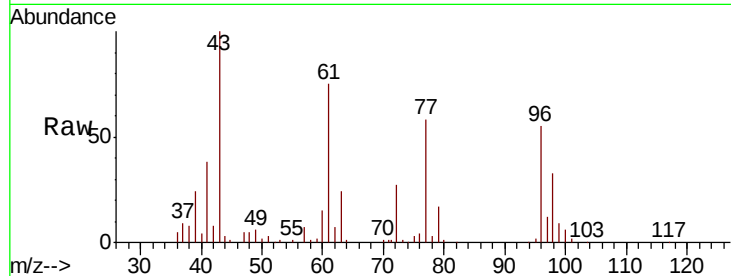
Tot Ion: 96 Resp: 94146

Ion Ratio Lower Upper

96 100

61 141.5 0.0 291.8

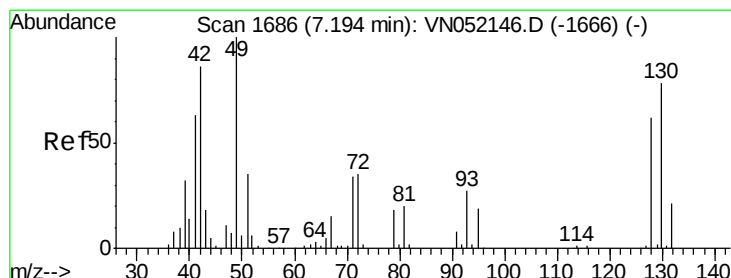
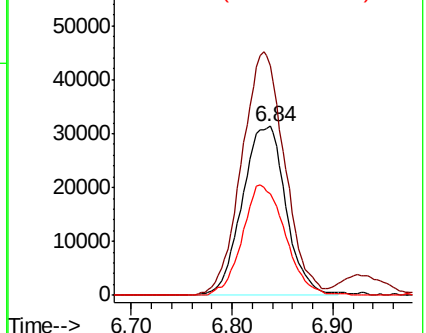
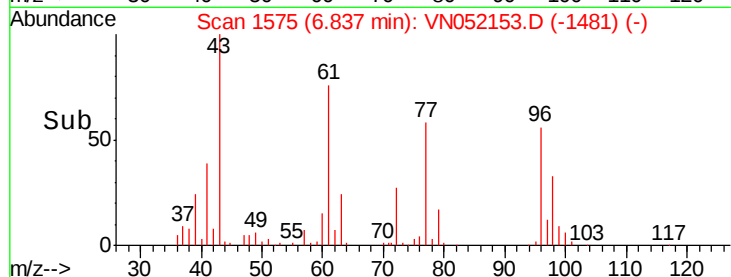
98 64.1 0.0 130.0



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: 21.231 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

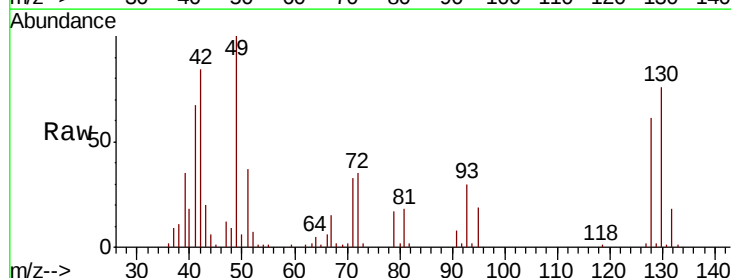
Tgt Ion: 49 Resp: 76502

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.4

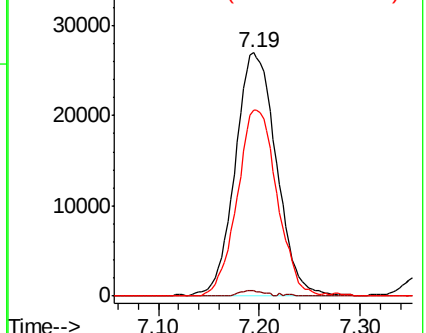
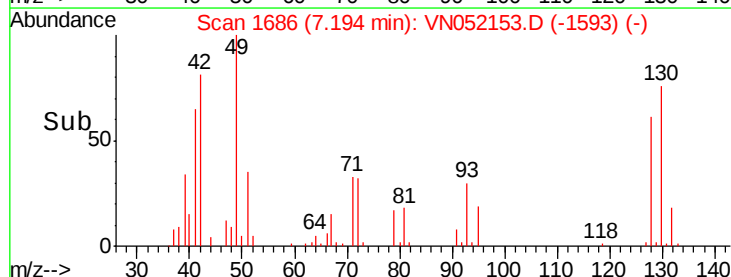
130 73.8 59.8 89.6

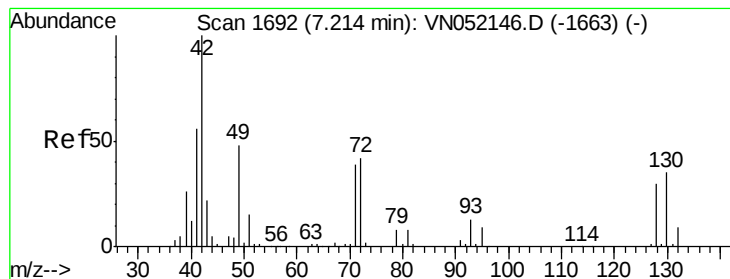


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.813 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

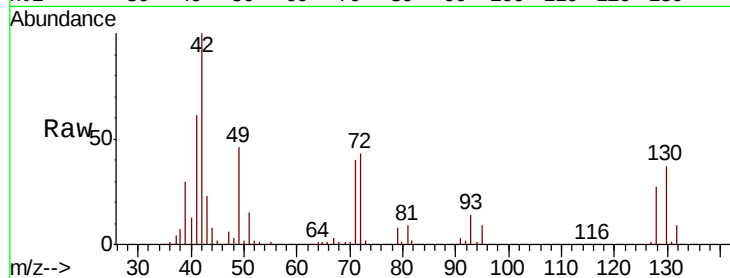
Tot Ion: 42 Resp: 106345

Ion Ratio Lower Upper

42 100

72 42.8 32.3 48.5

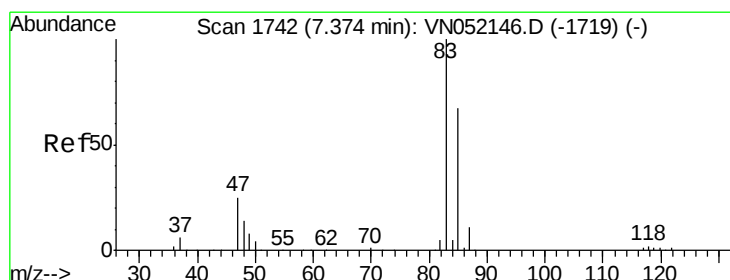
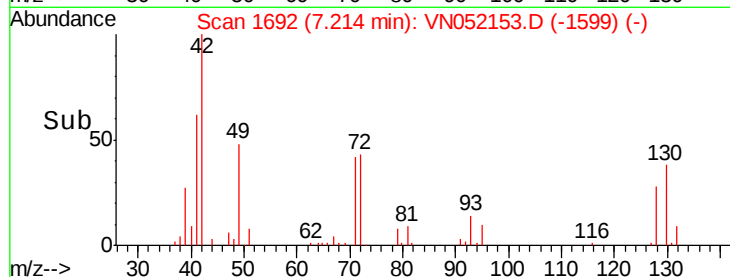
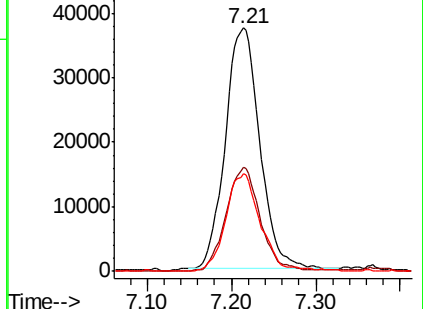
71 40.2 31.0 46.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.670 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052153.D

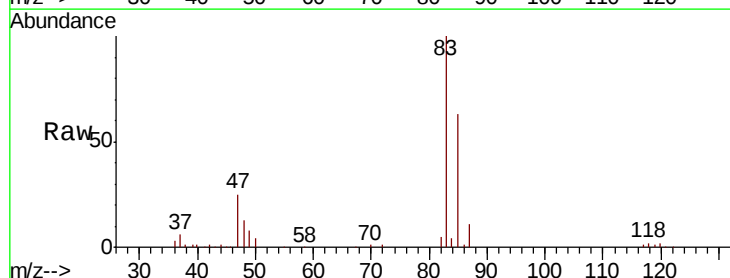
Acq: 5 Nov 2018 18:06

Tgt Ion: 83 Resp: 156865

Ion Ratio Lower Upper

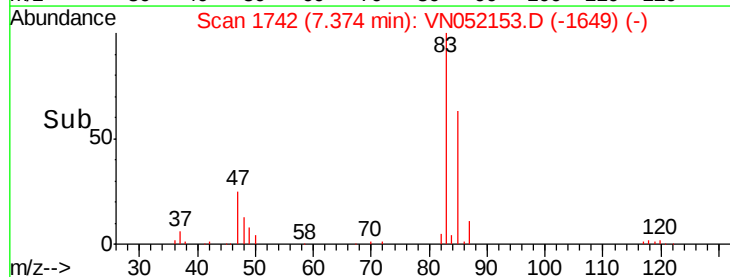
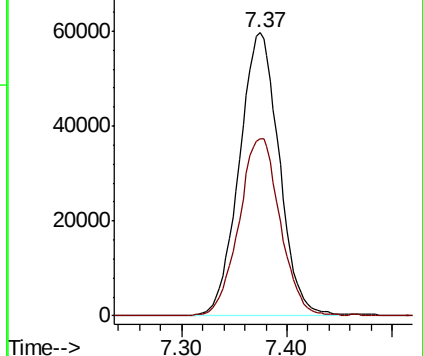
83 100

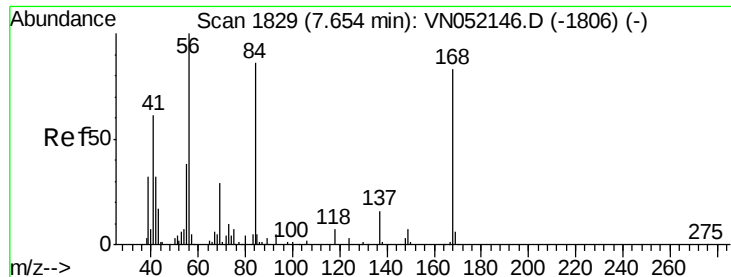
85 62.6 53.7 80.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

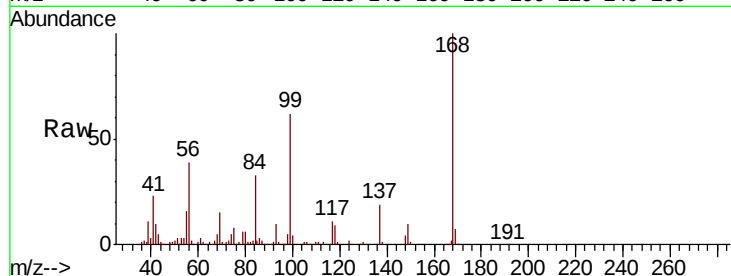




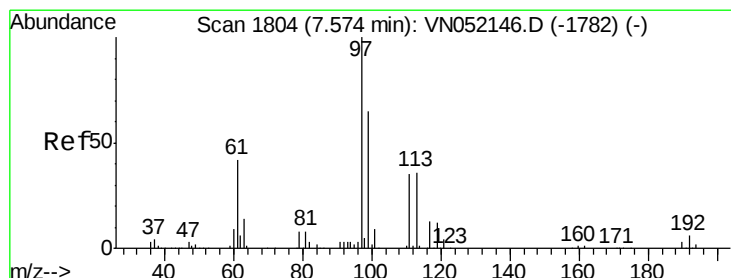
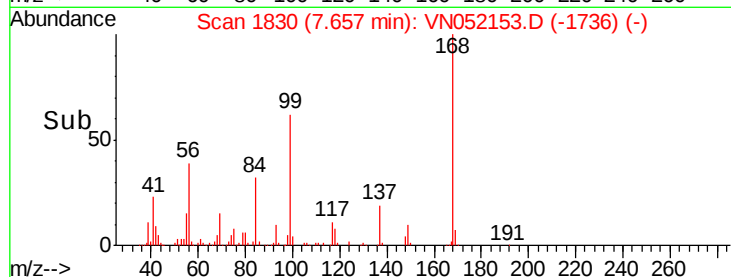
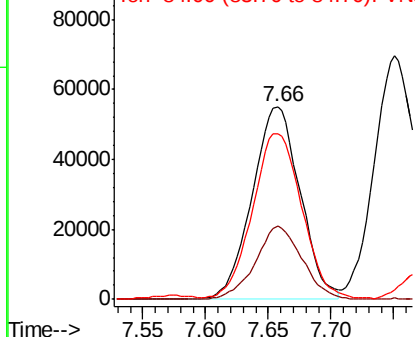
#31
Cyclohexane
Concen: 19.549 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 56 Resp: 146183
Ion Ratio Lower Upper
56 100
69 37.9 23.5 35.3#
84 84.7 68.7 103.1

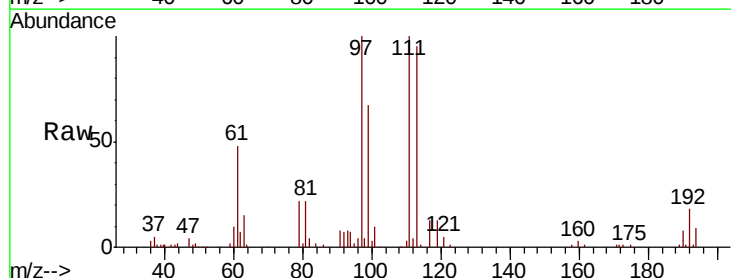


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

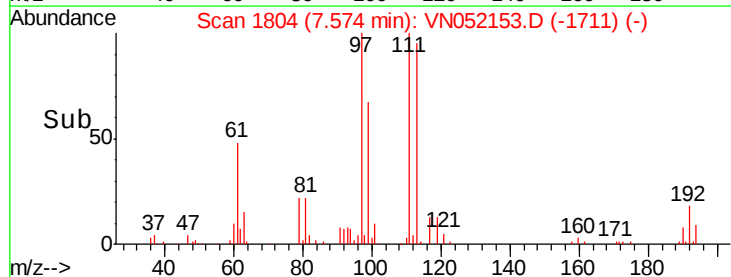
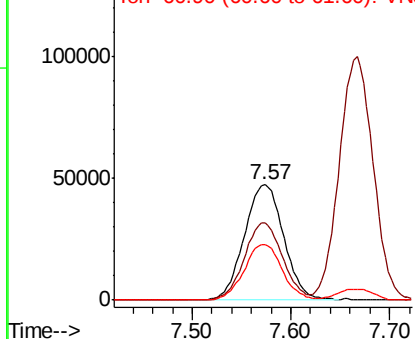


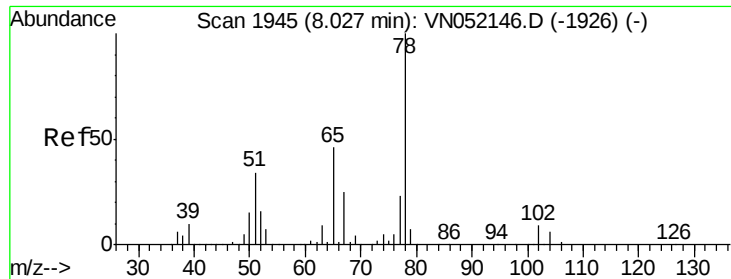
#32
1,1,1-Trichloroethane
Concen: 19.615 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 97 Resp: 131137
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 46.5 35.1 52.7



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

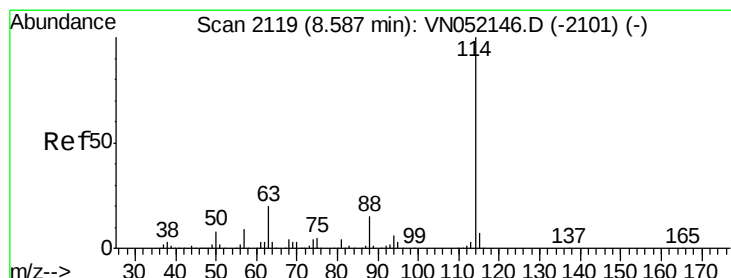
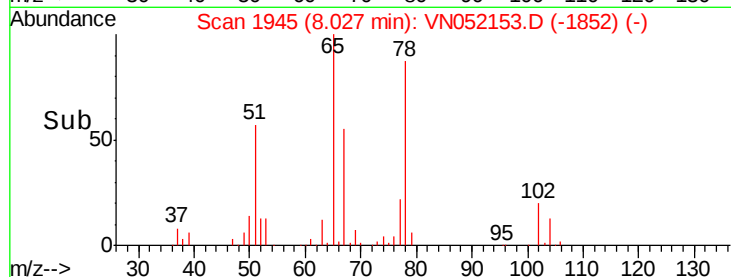
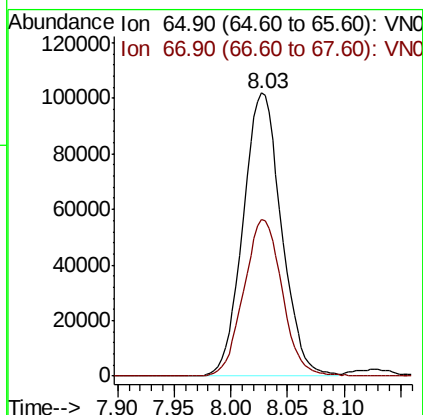
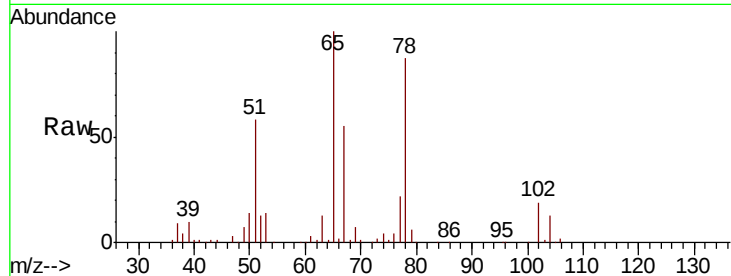




#33
 1,2-Dichloroethane-d4
 Concen: 19.615 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

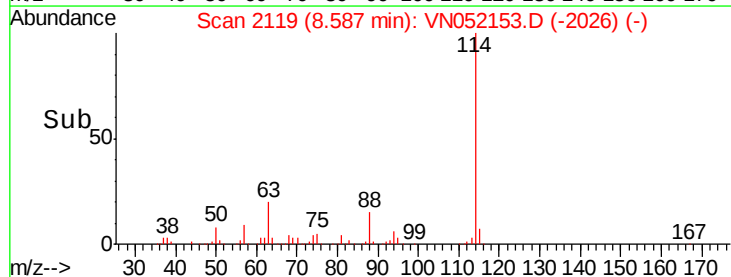
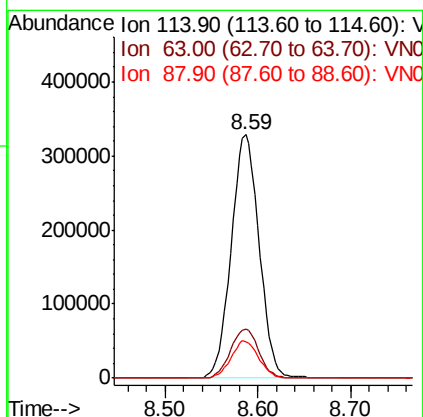
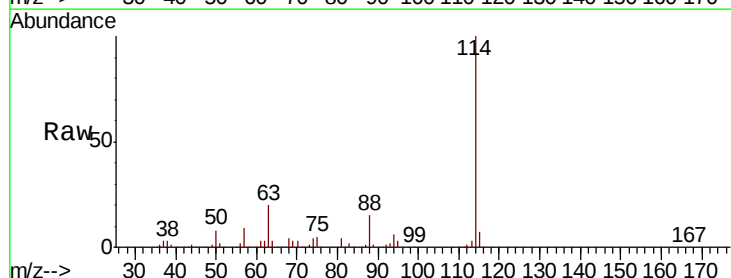
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

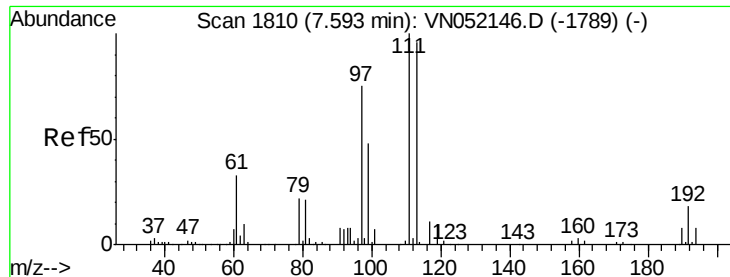
Tot Ion: 65 Resp: 240878
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 114 Resp: 685309
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.1 0.0 31.0

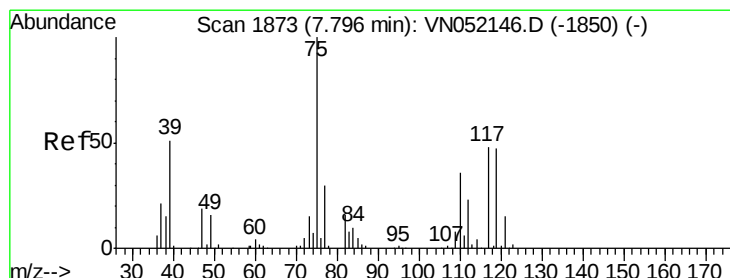
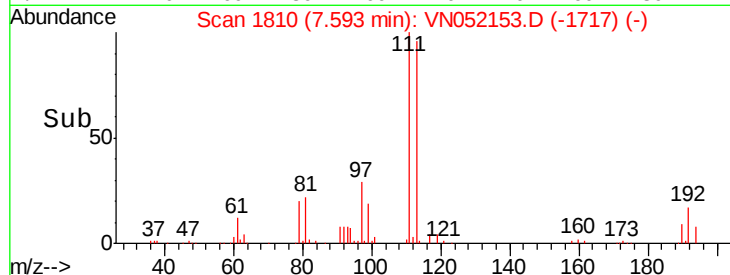
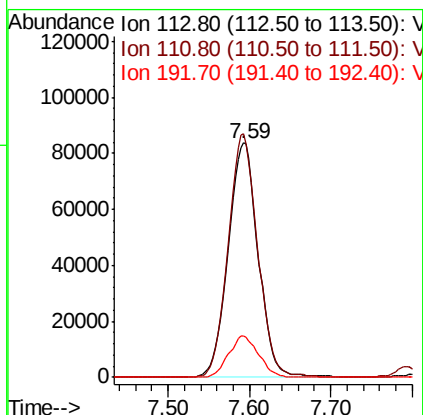
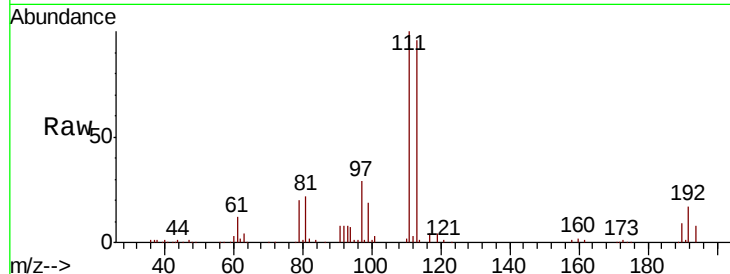




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

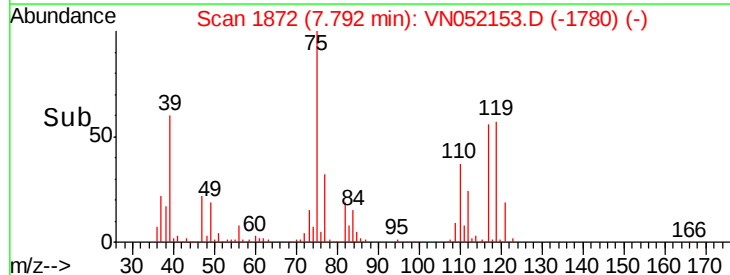
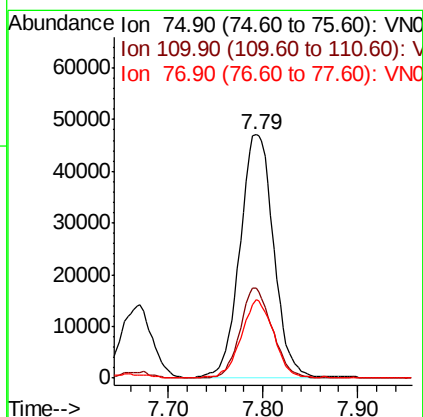
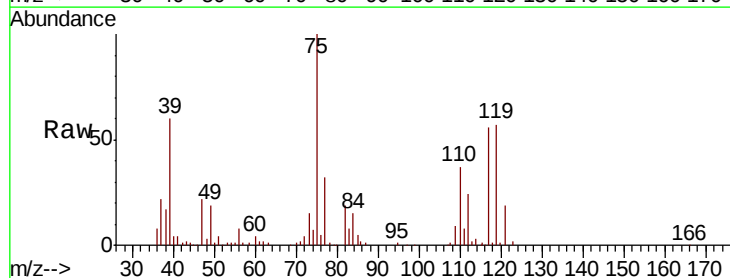
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

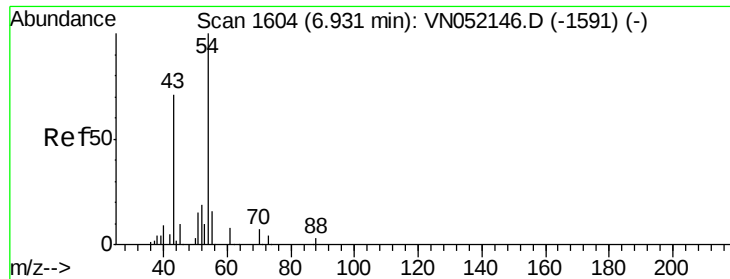
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	17.6	14.2	21.4



#36
 1,1-Dichloropropene
 Concen: 19.062 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.8	53.5
77	31.3	24.0	36.0

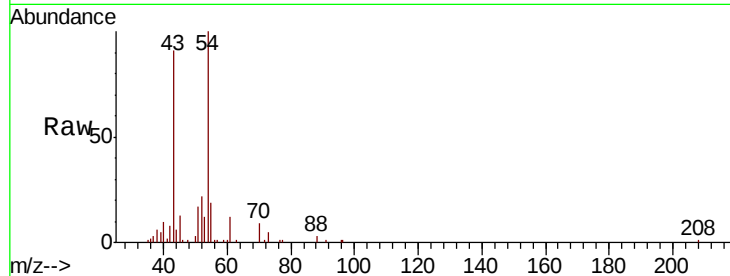




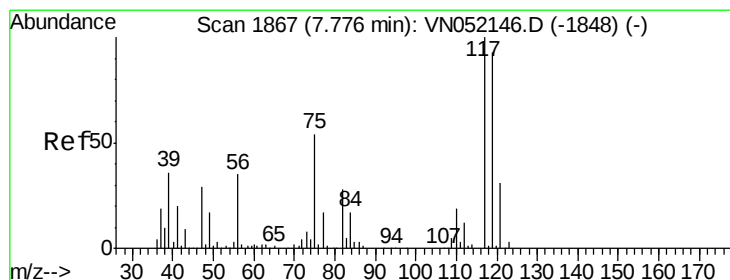
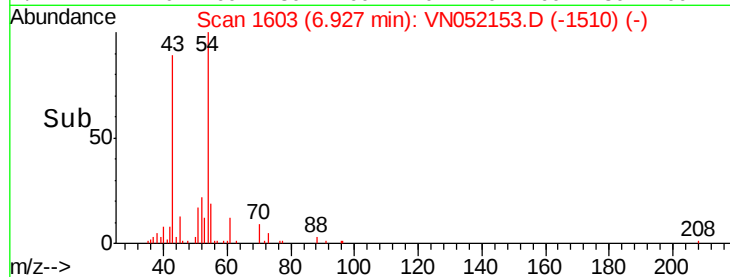
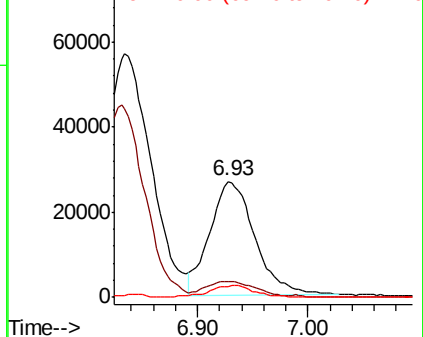
#37
Ethyl Acetate
Concen: 20.404 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 43 Resp: 76340
Ion Ratio Lower Upper
43 100
61 13.3 9.4 14.2
70 10.3 7.6 11.4

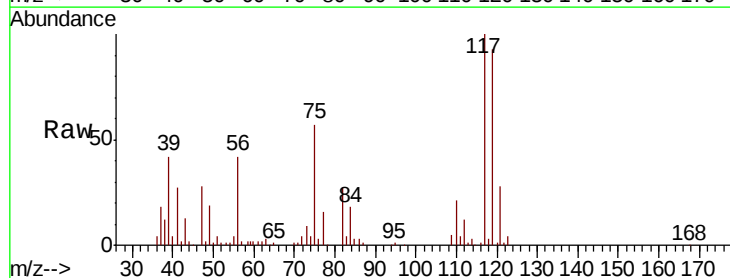


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

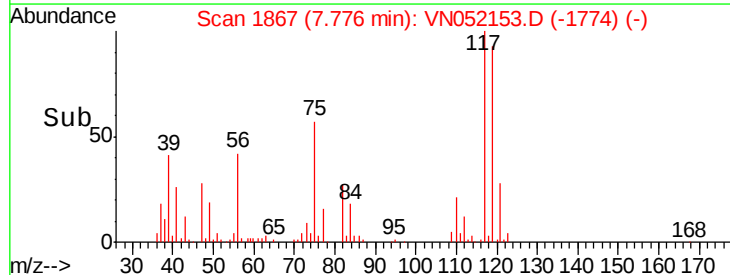
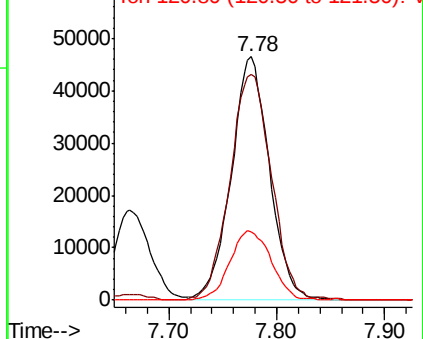


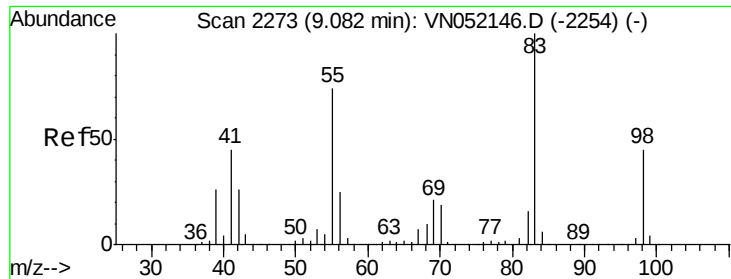
#38
Carbon Tetrachloride
Concen: 18.901 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 117 Resp: 114561
Ion Ratio Lower Upper
117 100
119 92.1 74.7 112.1
121 28.1 24.5 36.7



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

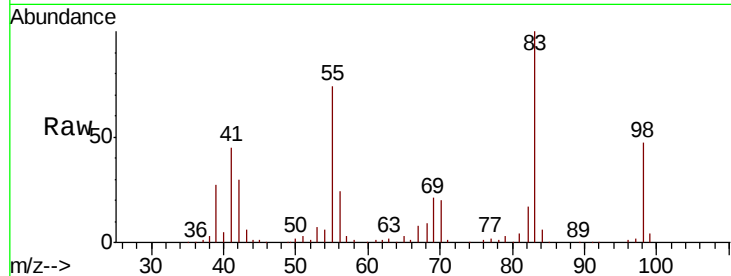




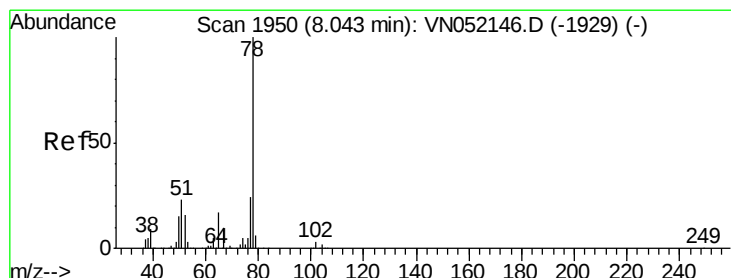
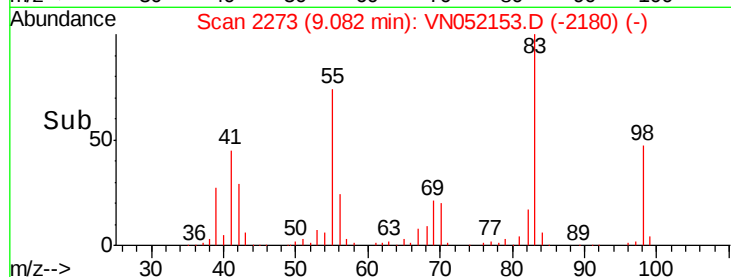
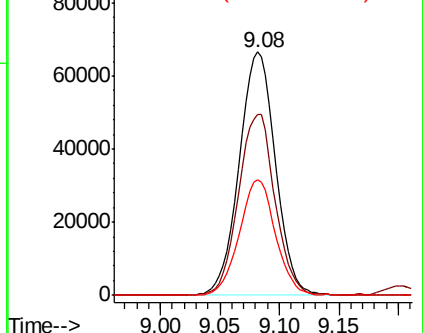
#39
Methvlcvclohexane
Concen: 19.592 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion: 83 Resp: 140667
Ion Ratio Lower Upper
83 100
55 74.5 59.4 89.2
98 47.3 36.3 54.5

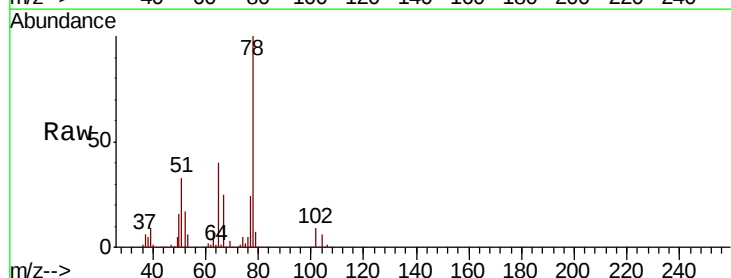


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

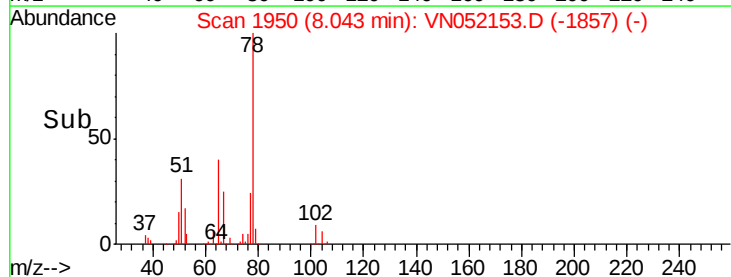
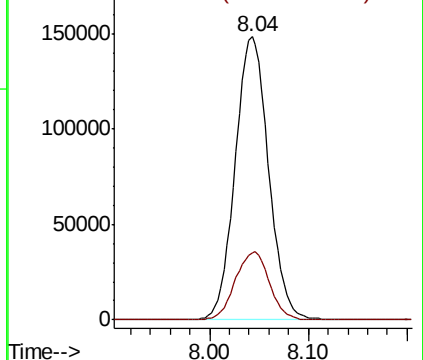


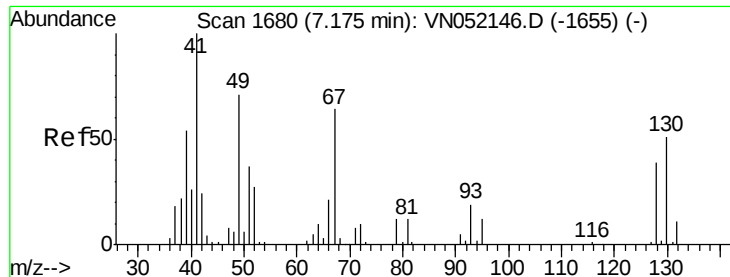
#40
Benzene
Concen: 19.560 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 78 Resp: 348590
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



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

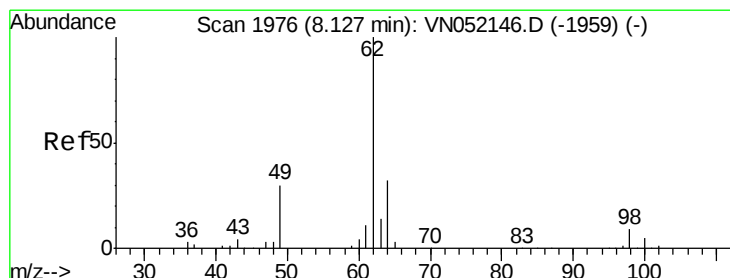
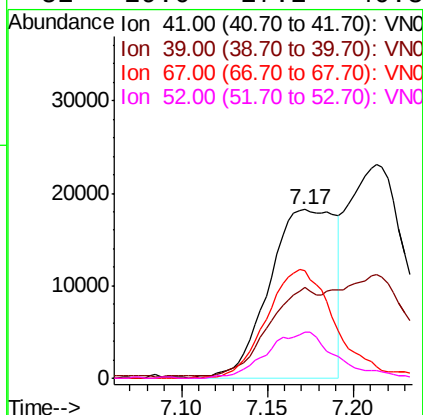
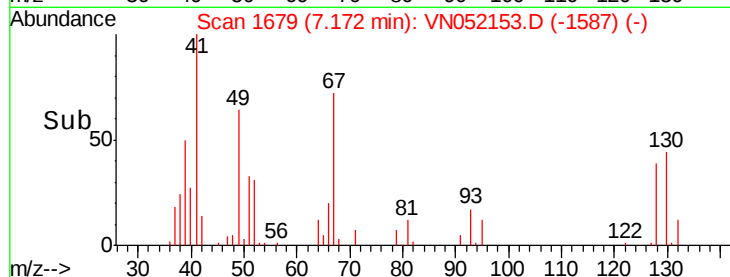
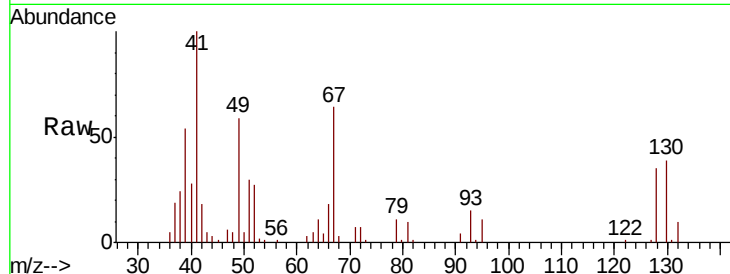




#41
Methacrylonitrile
Concen: 24.053 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

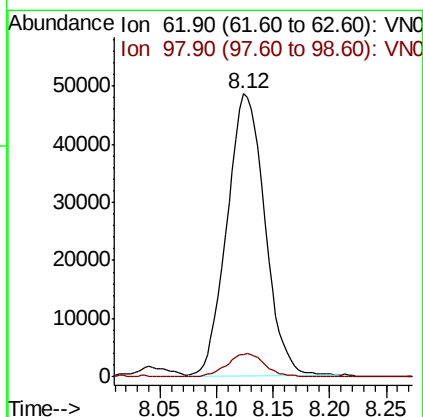
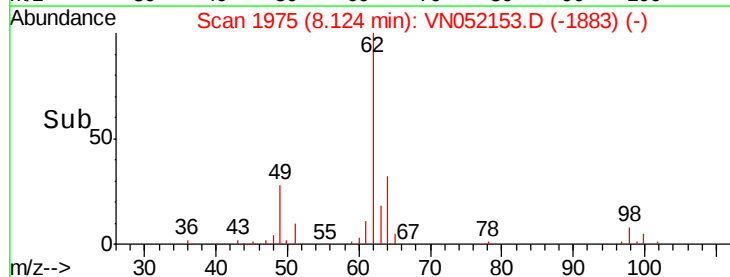
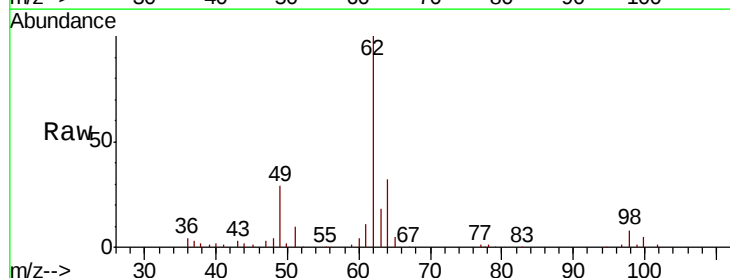
Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

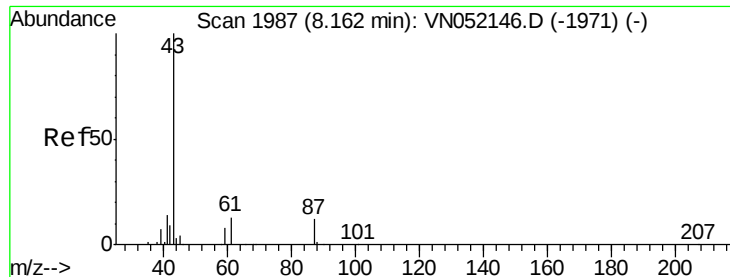
Tot Ion: 41 Resp: 48811
Ion Ratio Lower Upper
41 100
39 36.8 49.6 74.4#
67 67.7 65.4 98.2
52 29.0 27.2 40.8



#42
1,2-Dichloroethane
Concen: 19.688 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 62 Resp: 112798
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.2





#43

Isopropyl Acetate

Concen: 20.428 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

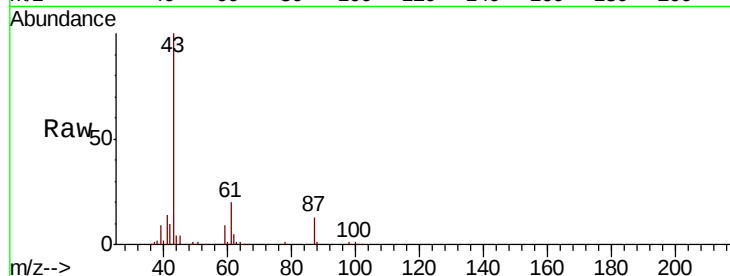
Tot Ion: 43 Resp: 141304

Ion Ratio Lower Upper

43 100

61 26.9 21.5 32.3

87 13.0 10.2 15.2

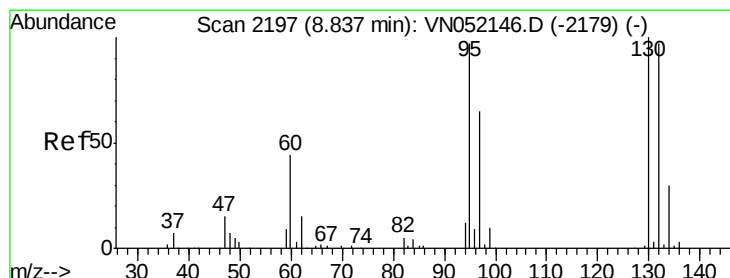
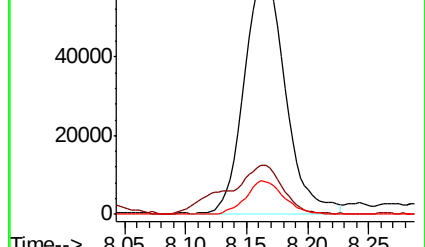
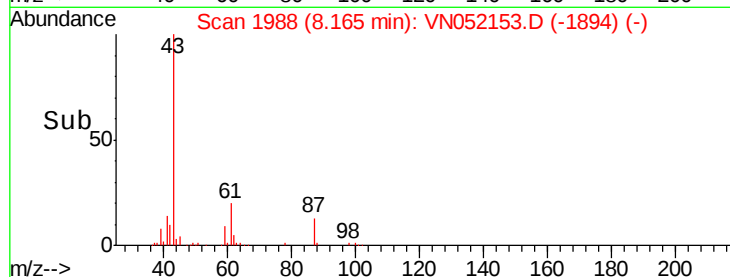


Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052146.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052146.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 19.401 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052153.D

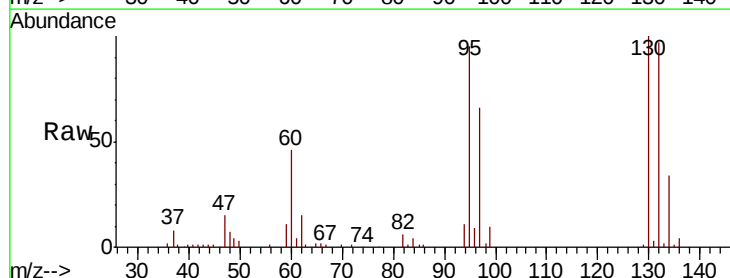
Acq: 5 Nov 2018 18:06

Tgt Ion:130 Resp: 91543

Ion Ratio Lower Upper

130 100

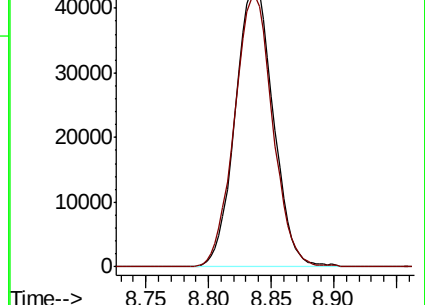
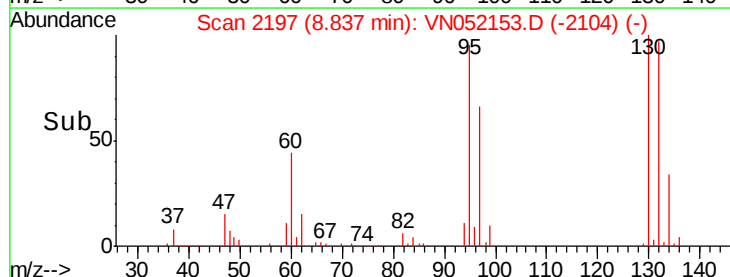
95 95.2 0.0 193.8

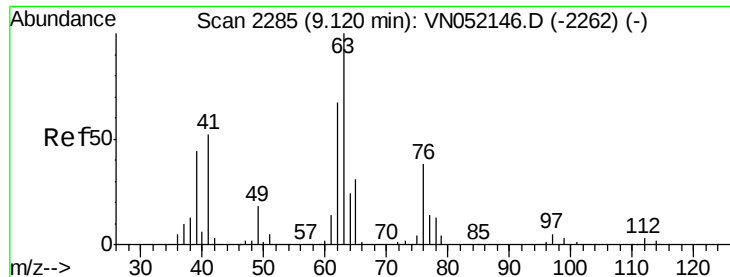


Abundance Ion 129.80 (129.50 to 130.50): VN052146.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052146.D (-2179) (-)

Time-->

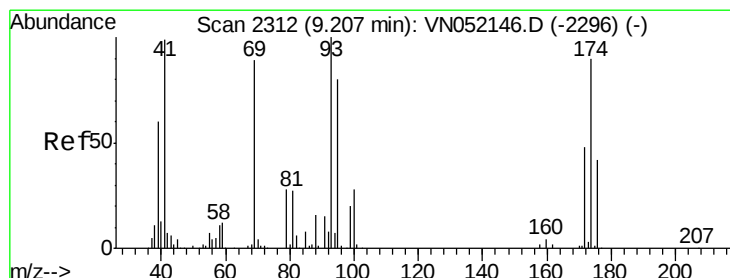
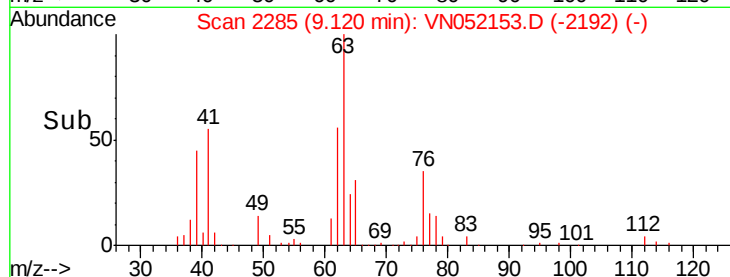
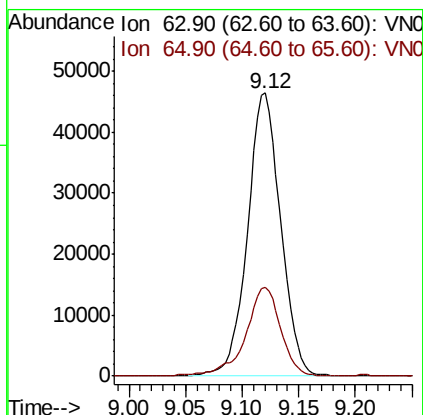
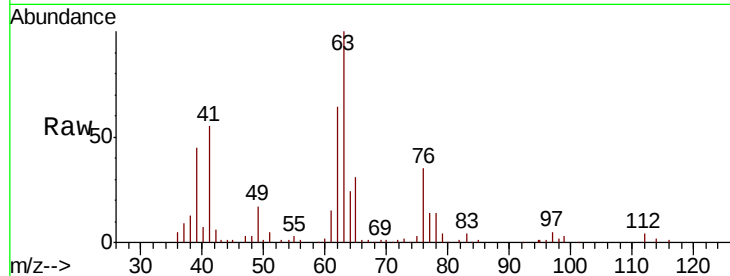




#45
 1,2-Dichloropropane
 Concen: 20.037 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

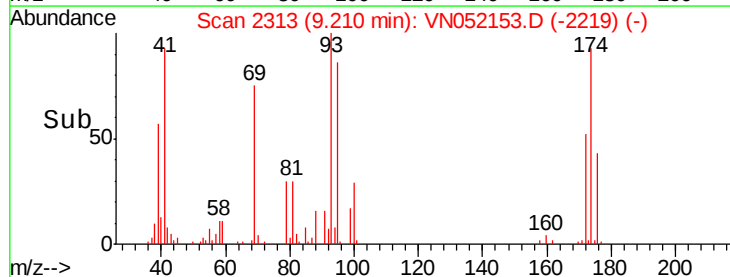
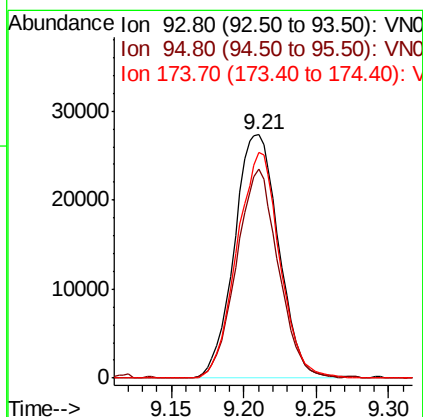
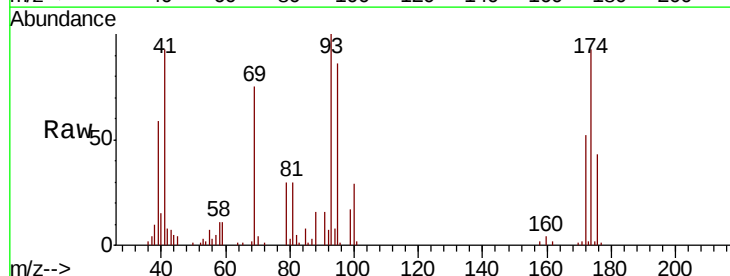
Instrument :
 MSVOA_N
 ClientSampled :
 VN1105WBS01

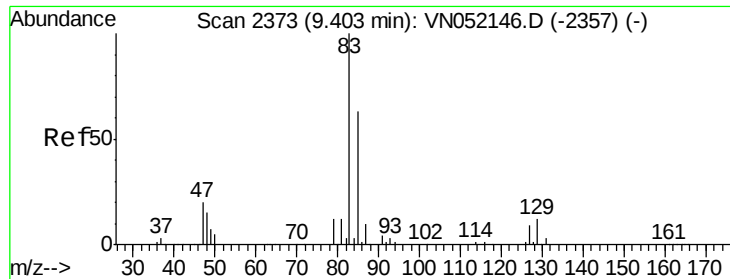
Tot Ion: 63 Resp: 94571
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6



#46
 Dibromomethane
 Concen: 19.379 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 93 Resp: 58168
 Ion Ratio Lower Upper
 93 100
 95 81.0 64.5 96.7
 174 89.7 74.6 112.0





#47

Bromodichloromethane

Concen: 19.042 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

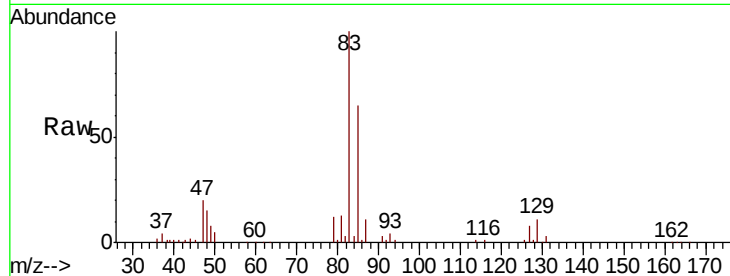
Tot Ion: 83 Resp: 111470

Ion Ratio Lower Upper

83 100

85 65.0 50.5 75.7

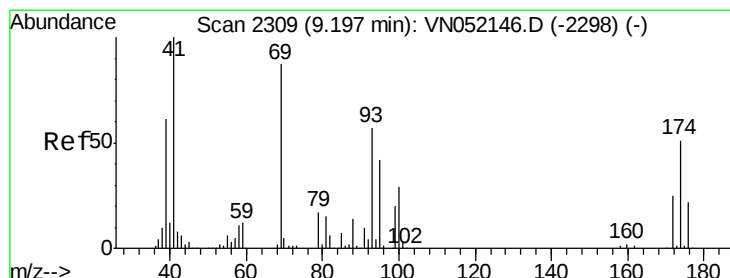
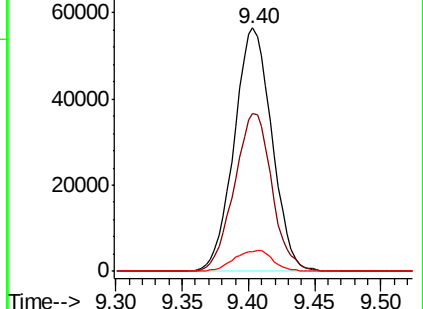
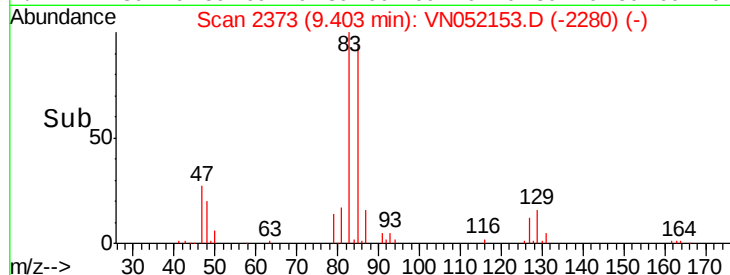
127 8.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN052153.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052153.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052153.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.917 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

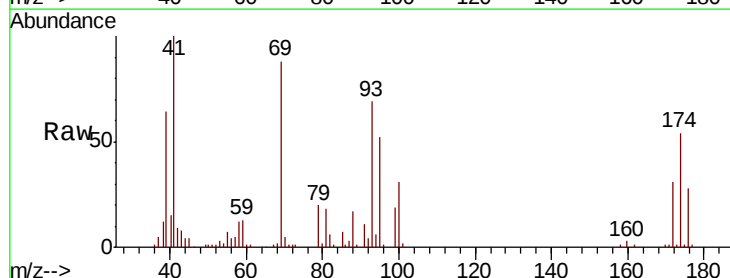
Tgt Ion: 41 Resp: 66308

Ion Ratio Lower Upper

41 100

69 87.0 69.7 104.5

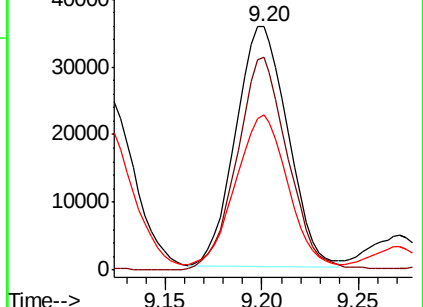
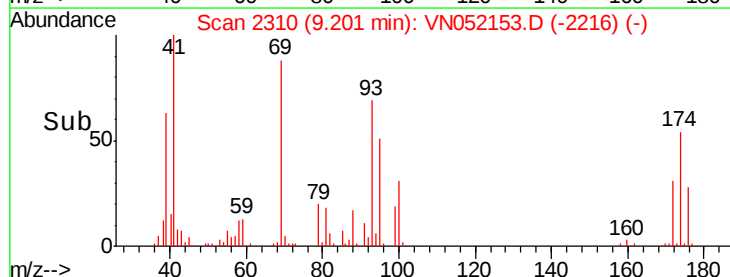
39 65.2 50.6 76.0

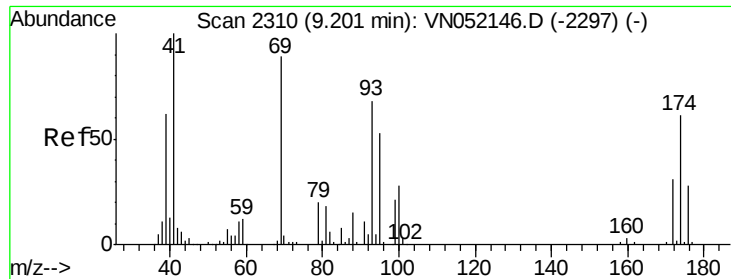


Abundance Ion 41.00 (40.70 to 41.70): VN052153.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052153.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052153.D (-2216) (-)

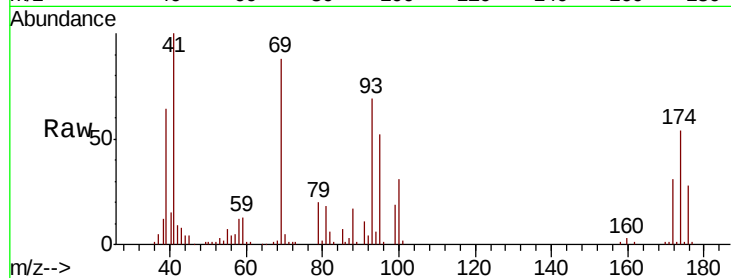




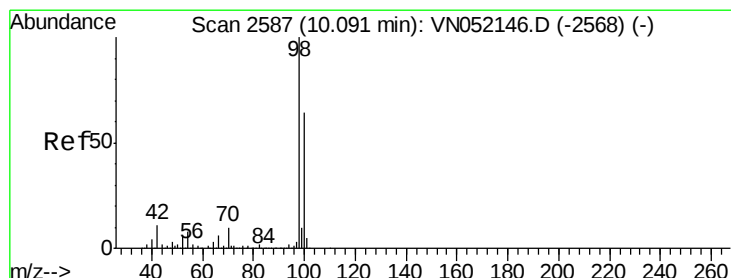
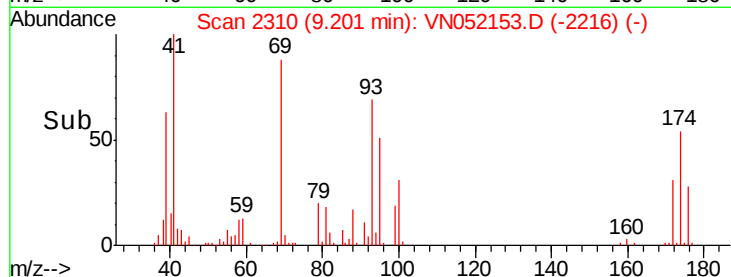
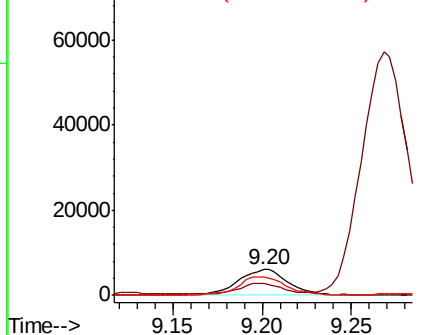
#49
 1,4-Dioxane
 Concen: 411.902 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tot Ion: 88 Resp: 11918
 Ion Ratio Lower Upper
 88 100
 43 34.5 33.0 49.6
 58 67.8 58.6 88.0

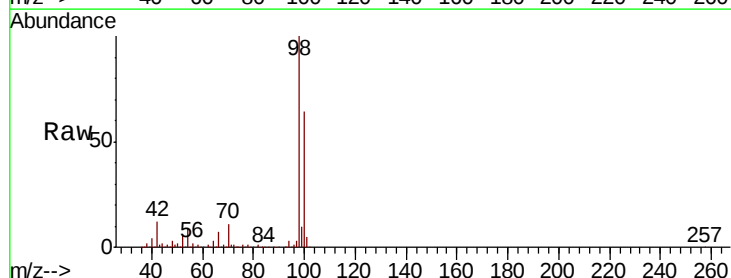


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

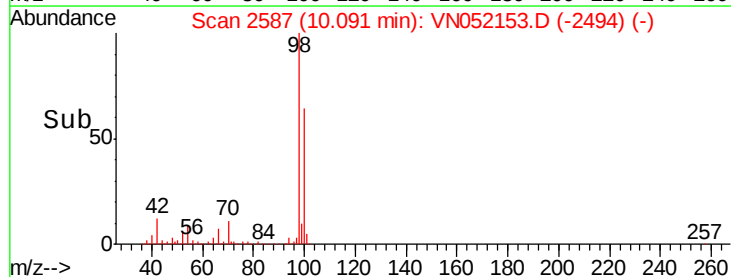
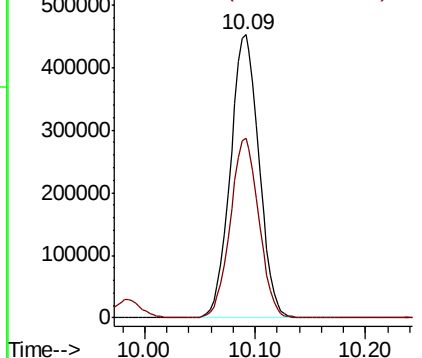


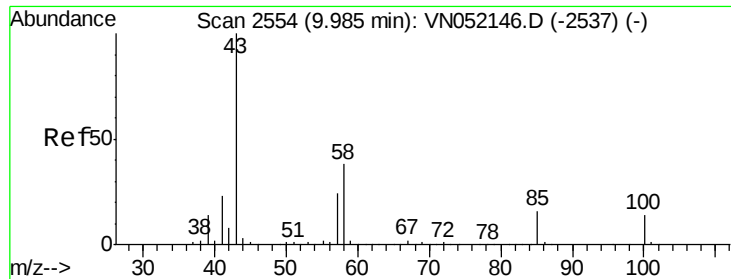
#50
 Toluene-d8
 Concen: 411.902 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion: 98 Resp: 813601
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.5 75.7



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





#51

4-Methyl-2-Pentanone

Concen: 103.059 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

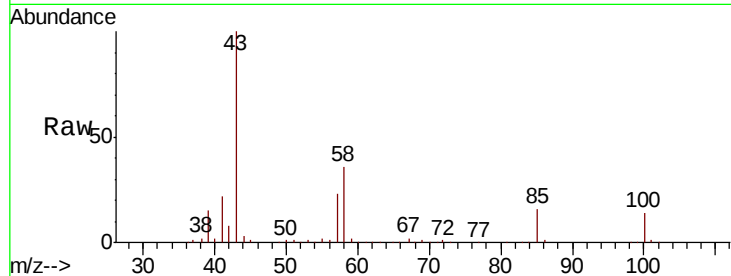
VN1105WBS01

Tot Ion: 43 Resp: 376621

Ion Ratio Lower Upper

43 100

58 36.6 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)

9.99

200000

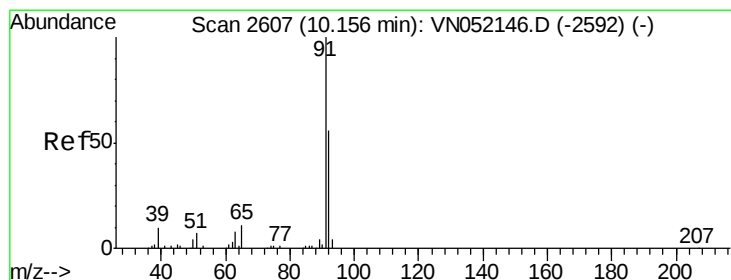
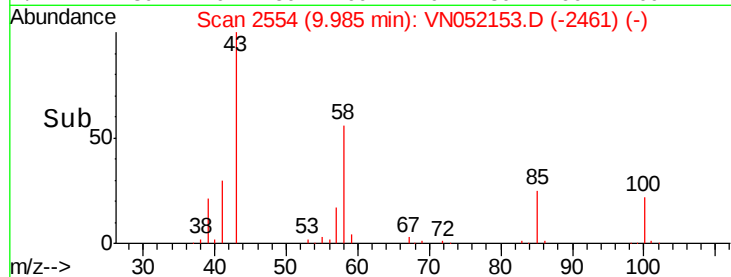
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.475 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052153.D

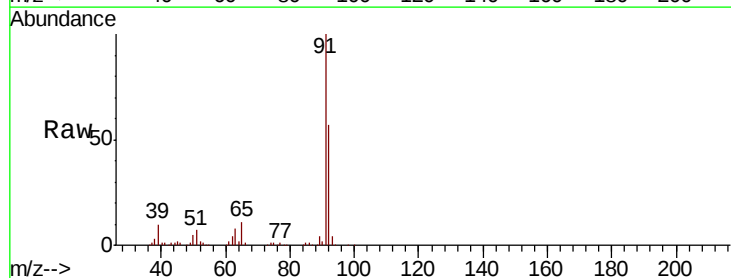
Acq: 5 Nov 2018 18:06

Tgt Ion: 92 Resp: 220047

Ion Ratio Lower Upper

92 100

91 177.1 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052146.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052146.D (-2592) (-)

10.16

200000

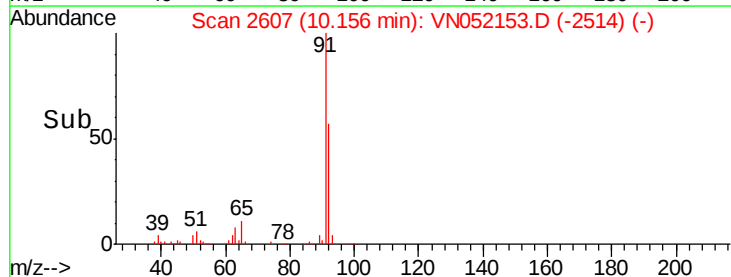
150000

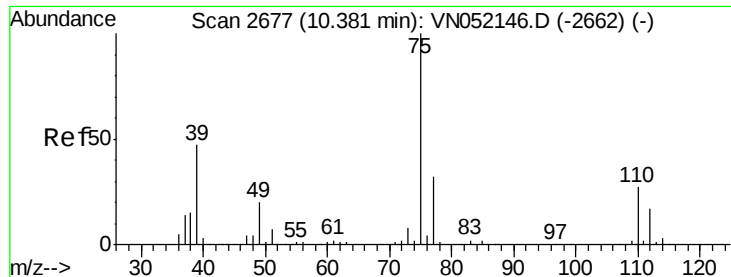
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.294 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

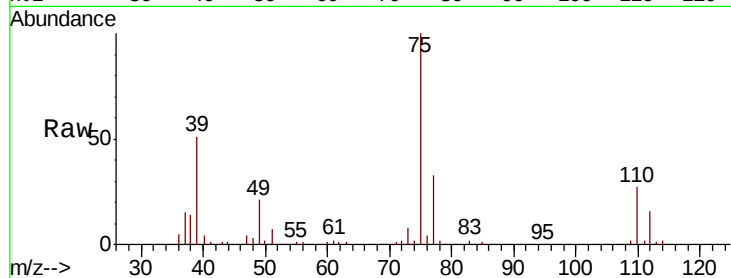
VN1105WBS01

Tot Ion: 75 Resp: 110798

Ion Ratio Lower Upper

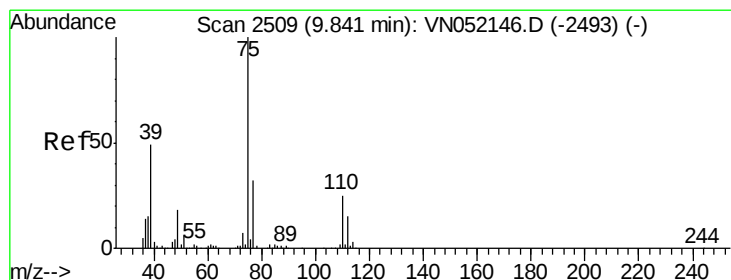
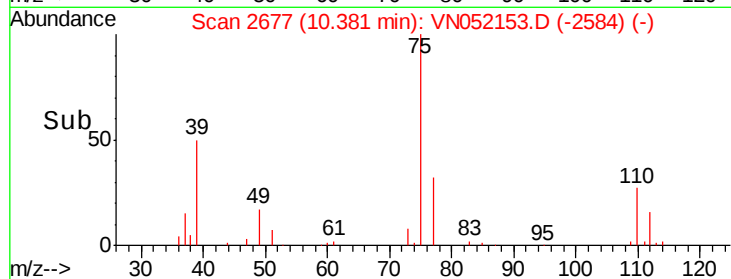
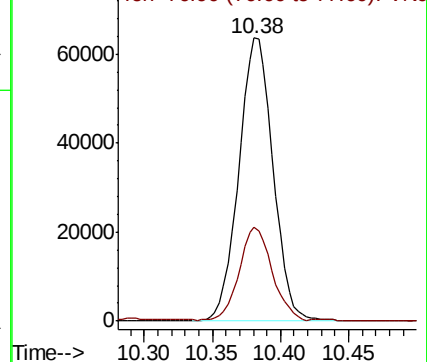
75 100

77 33.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.626 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

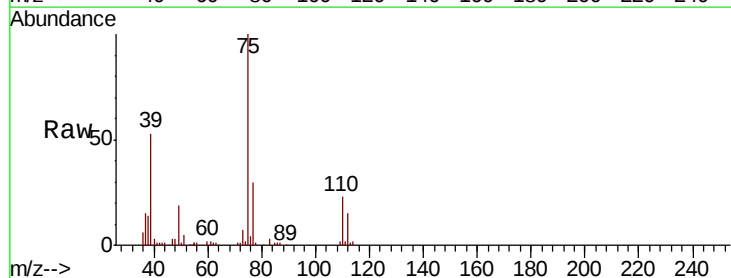
Tgt Ion: 75 Resp: 131884

Ion Ratio Lower Upper

75 100

77 30.0 25.8 38.8

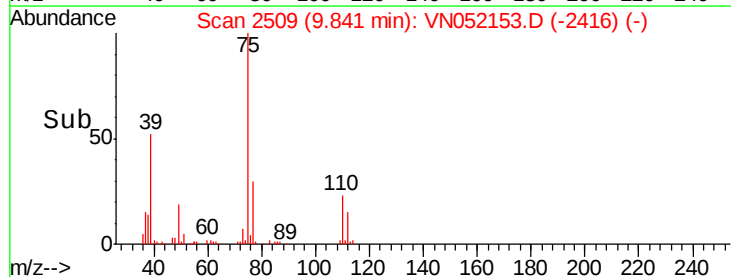
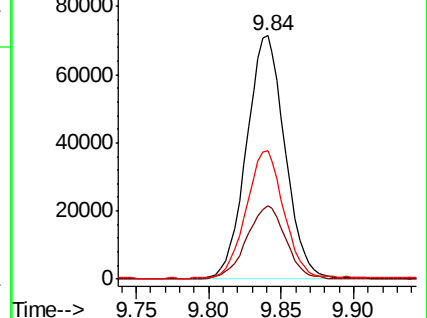
39 52.0 39.2 58.8

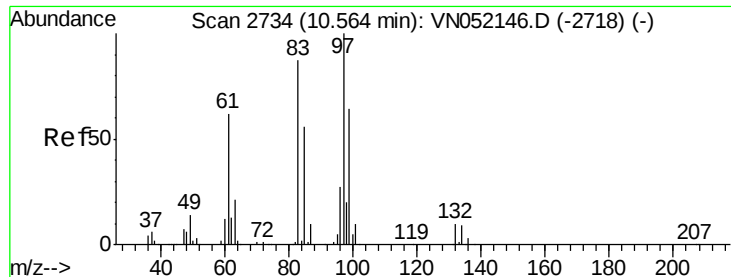


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.398 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tot Ion: 97 Resp: 77288

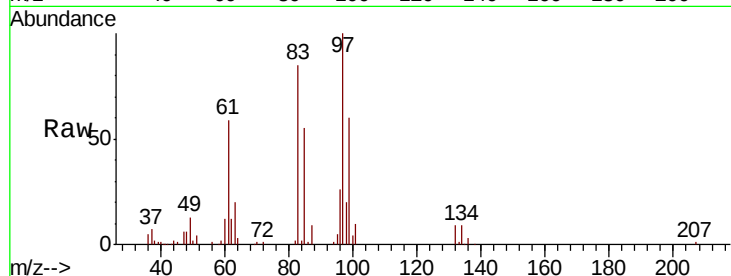
Ion Ratio Lower Upper

97 100

83 85.3 69.3 103.9

85 55.1 44.9 67.3

99 59.9 51.5 77.3

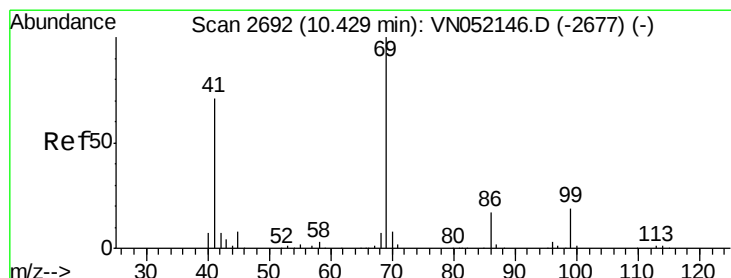
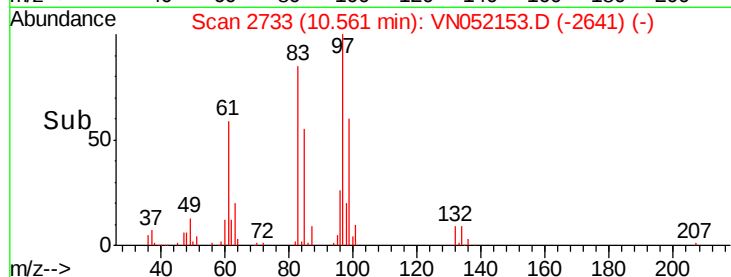
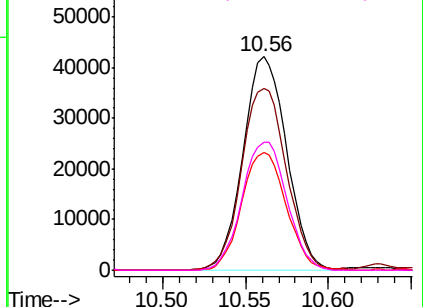


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.161 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

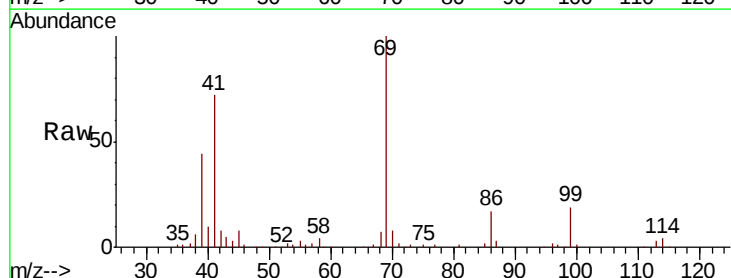
Tgt Ion: 69 Resp: 99573

Ion Ratio Lower Upper

69 100

41 69.4 55.4 83.0

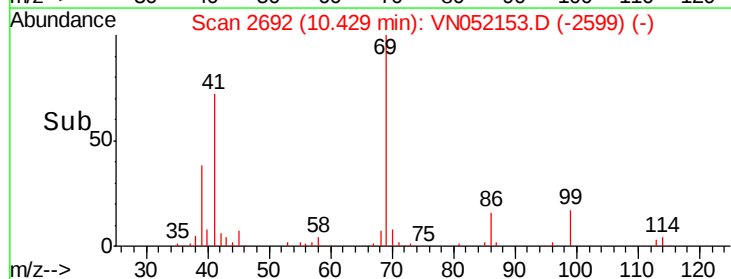
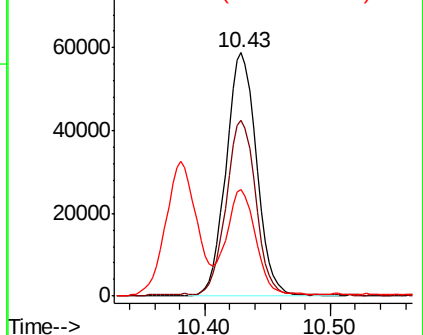
39 41.6 32.0 48.0

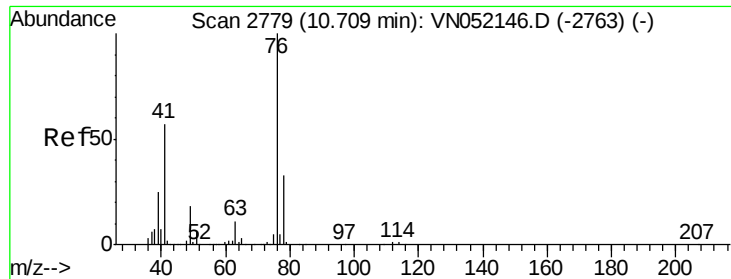


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.585 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

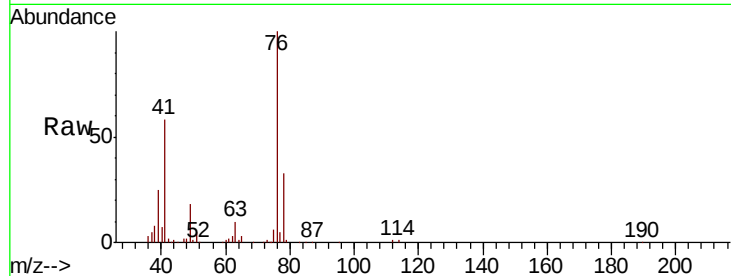
VN1105WBS01

Tot Ion: 76 Resp: 130731

Ion Ratio Lower Upper

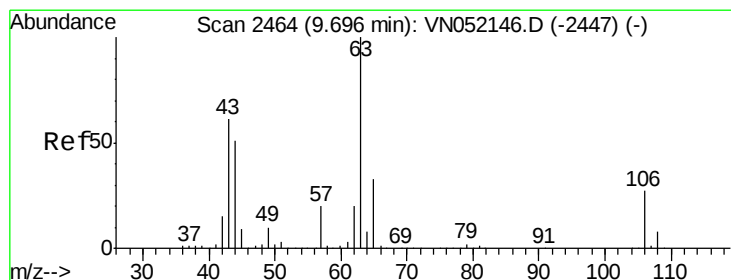
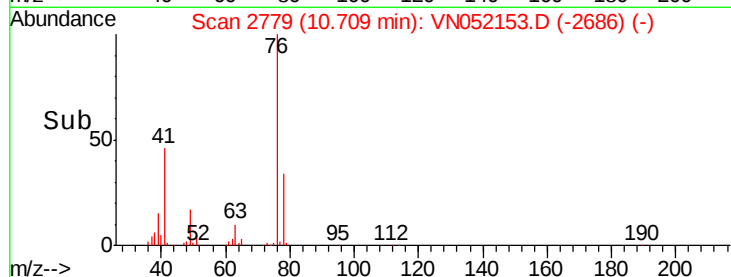
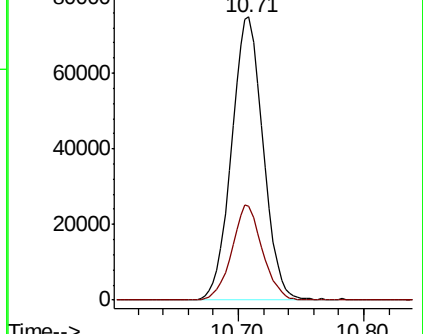
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.836 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052153.D

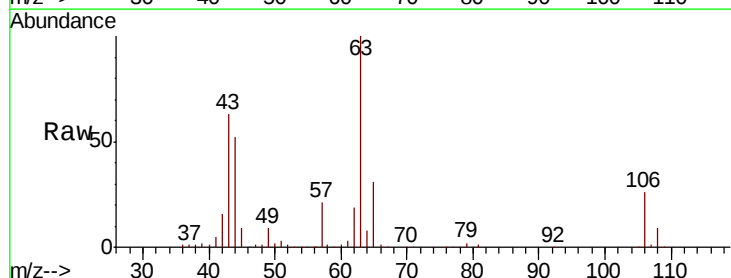
Acq: 5 Nov 2018 18:06

Tgt Ion: 63 Resp: 275992

Ion Ratio Lower Upper

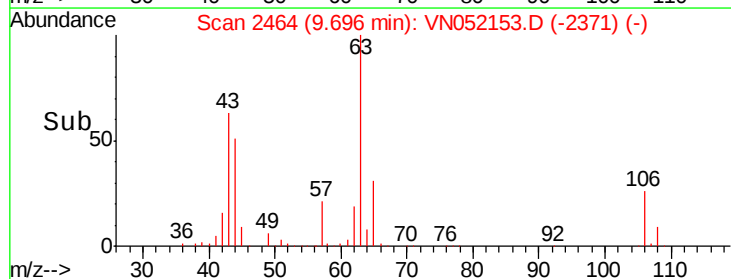
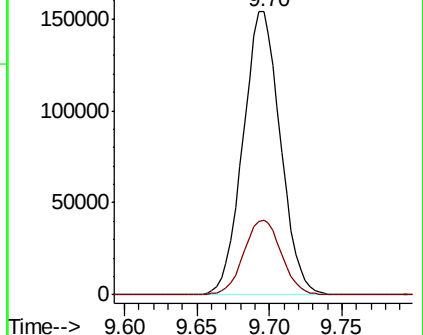
63 100

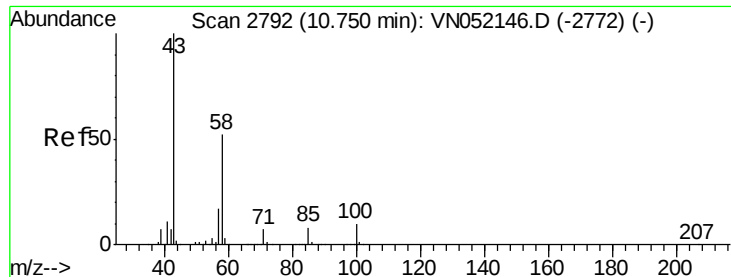
106 26.6 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

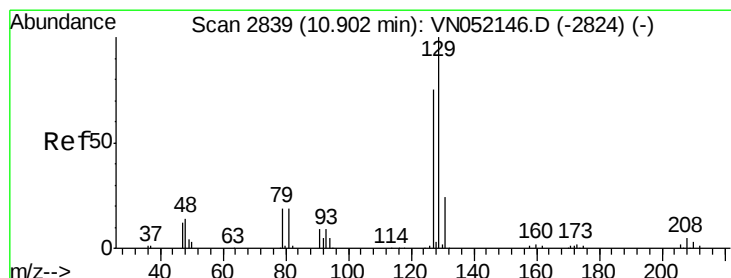
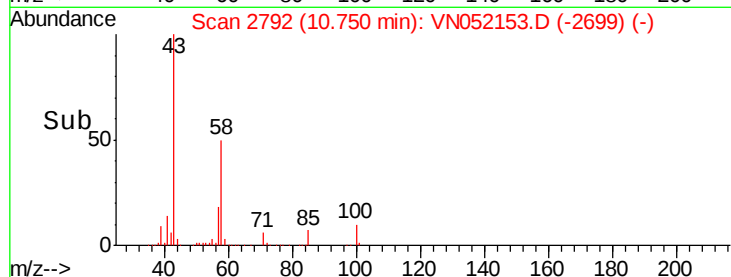
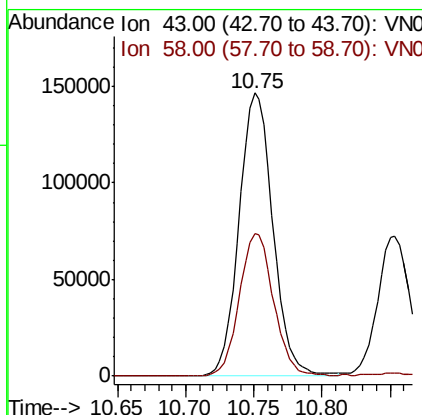
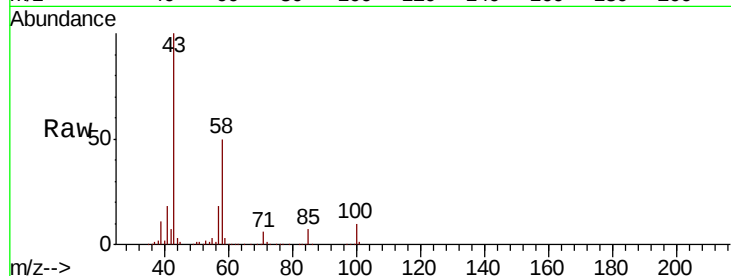




#59
2-Hexanone
Concen: 98.766 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

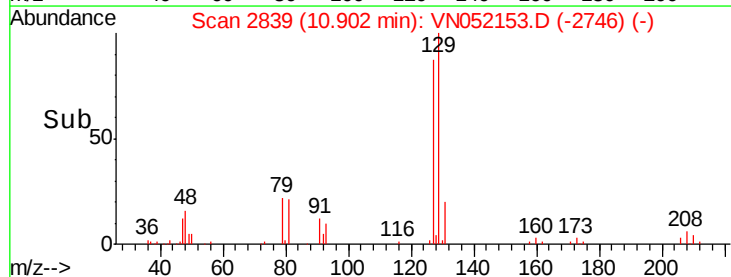
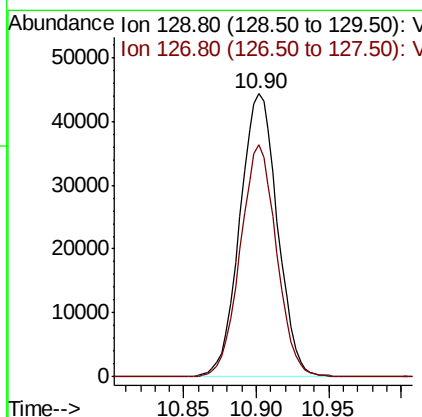
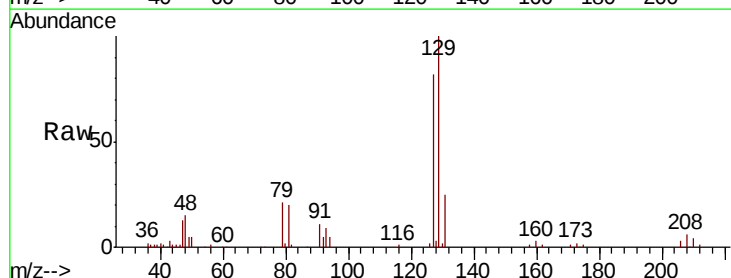
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

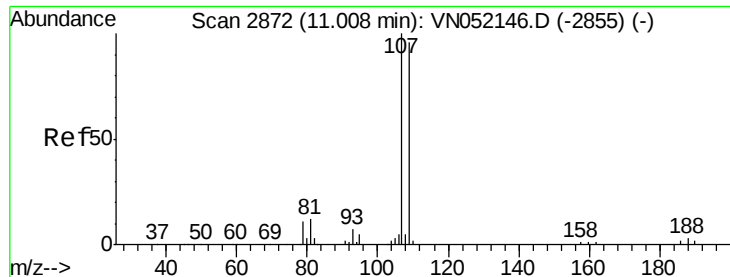
Tot Ion: 43 Resp: 251253
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.4



#60
Dibromochloromethane
Concen: 18.536 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 129 Resp: 79872
Ion Ratio Lower Upper
129 100
127 79.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.962 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

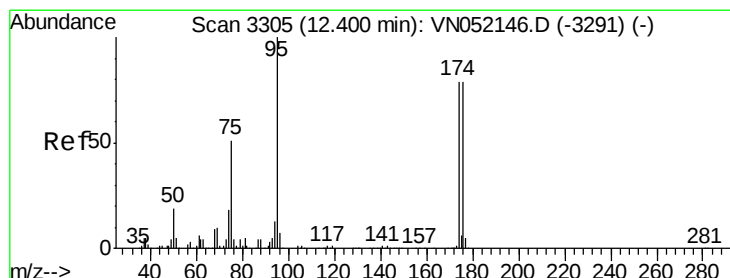
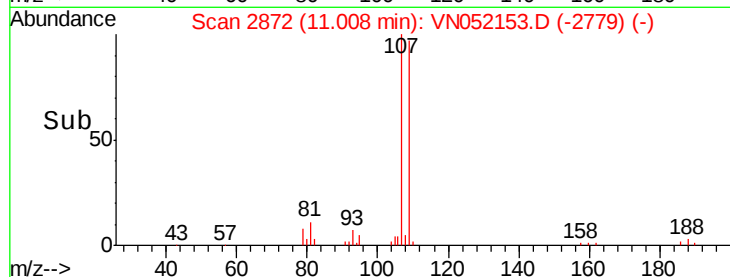
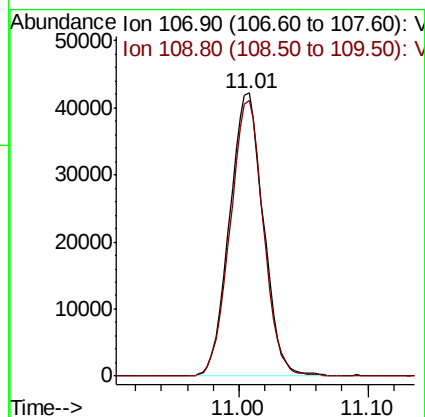
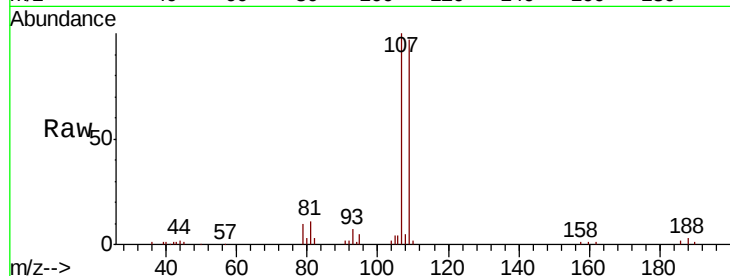
VN1105WBS01

Tot Ion:107 Resp: 76778

Ion Ratio Lower Upper

107 100

109 95.8 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 19.962 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

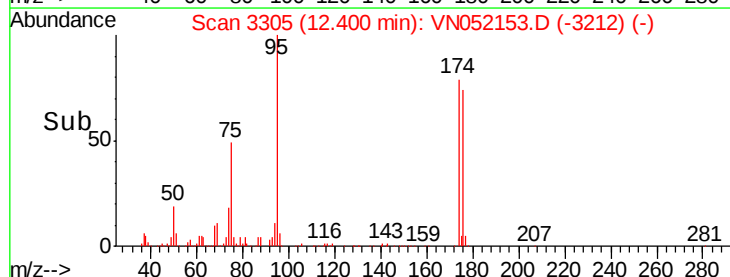
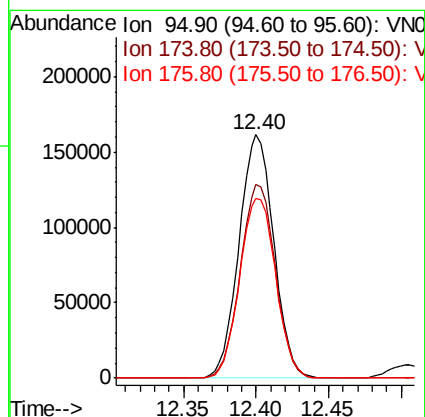
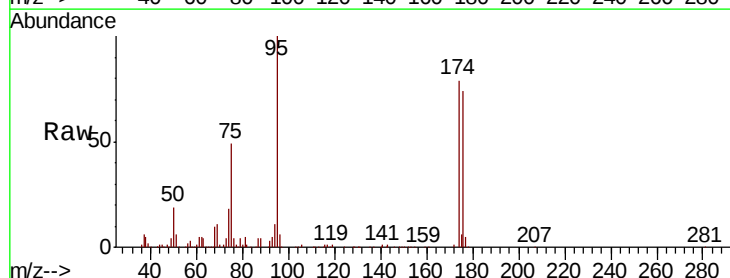
Tgt Ion: 95 Resp: 268706

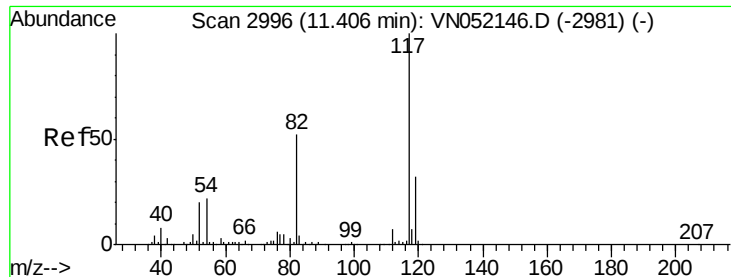
Ion Ratio Lower Upper

95 100

174 80.4 0.0 162.6

176 76.7 0.0 155.4

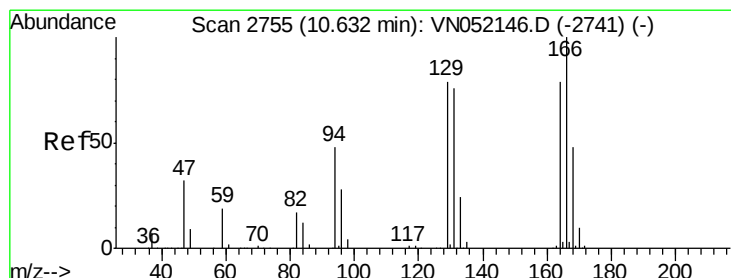
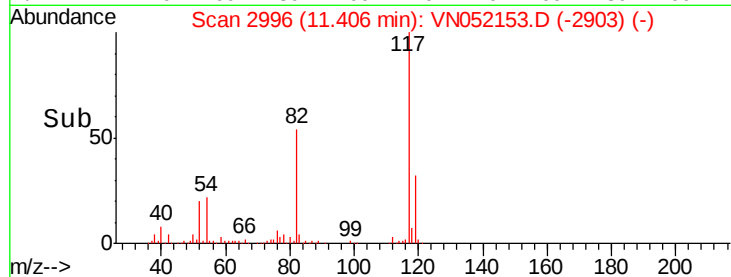
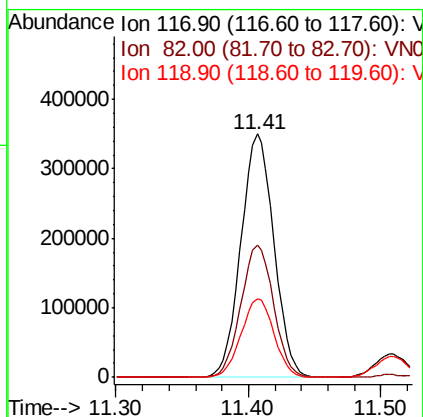
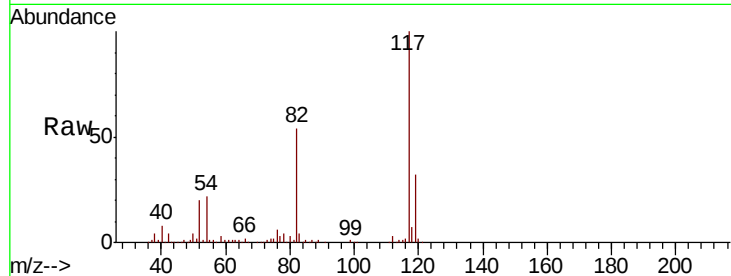




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

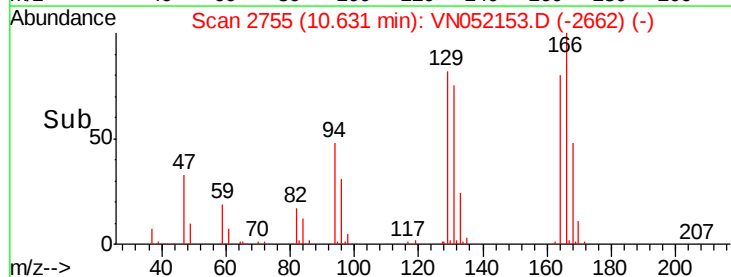
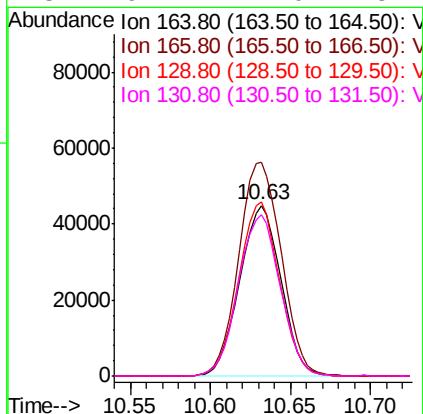
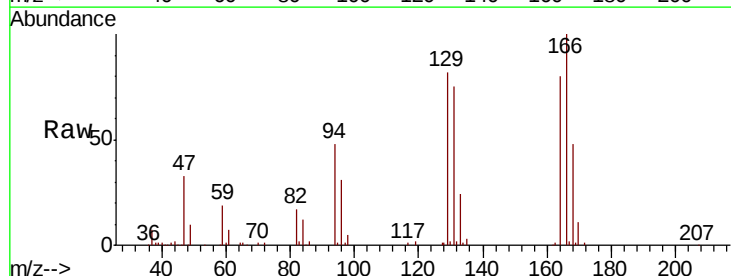
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

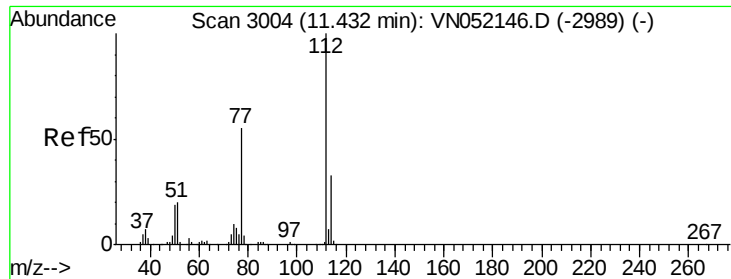
Tot Ion:117 Resp: 604163
Ion Ratio Lower Upper
117 100
82 54.4 41.9 62.9
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 20.160 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion:164 Resp: 78907
Ion Ratio Lower Upper
164 100
166 125.2 100.8 151.2
129 102.2 79.1 118.7
131 94.2 77.0 115.4

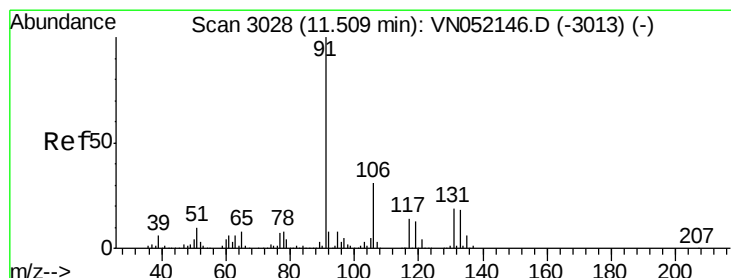
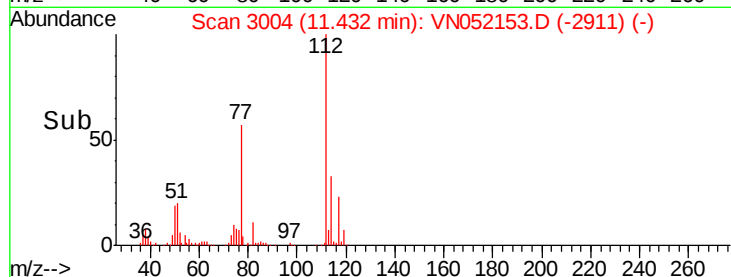
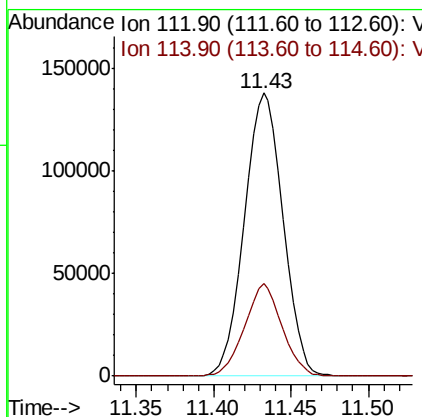
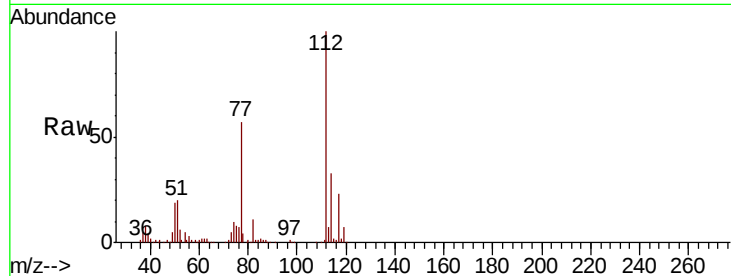




#65
Chlorobenzene
Concen: 19.480 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

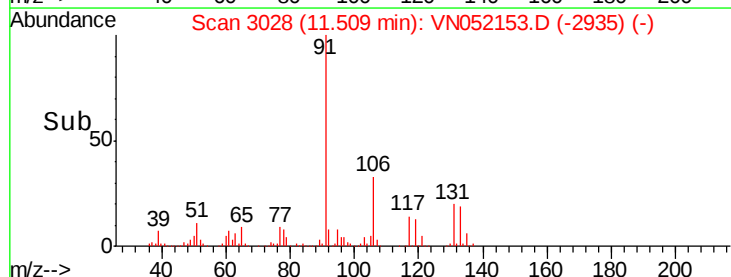
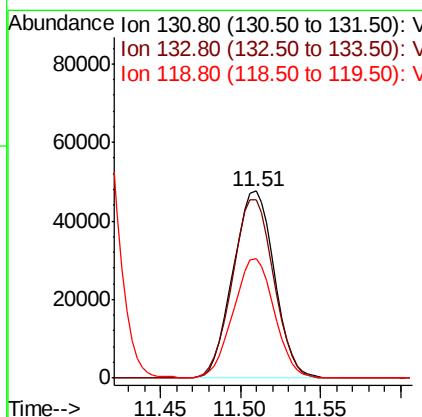
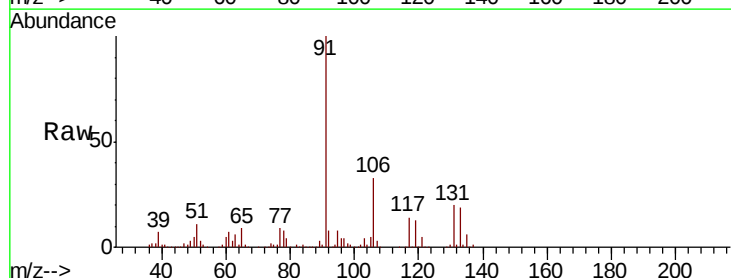
Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

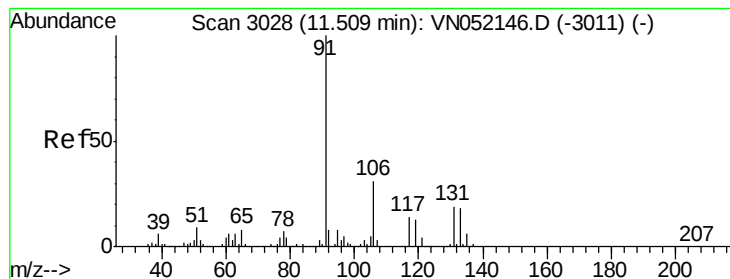
Tot Ion:112 Resp: 239883
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.272 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion:131 Resp: 83836
Ion Ratio Lower Upper
131 100
133 95.7 46.6 139.8
119 63.6 33.6 100.8





#67

Ethyl Benzene

Concen: 19.589 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

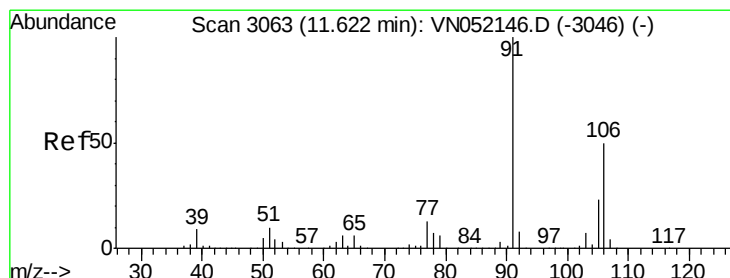
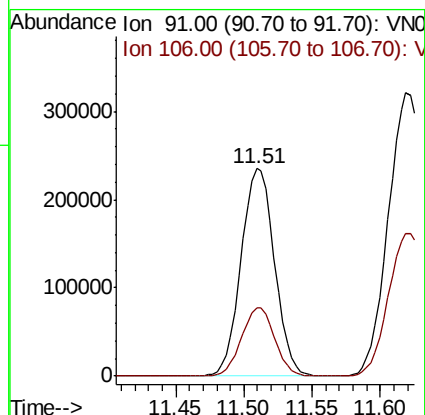
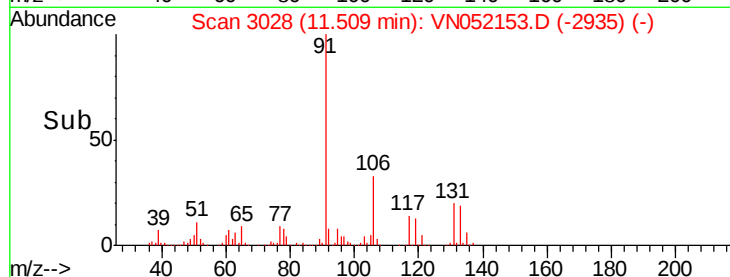
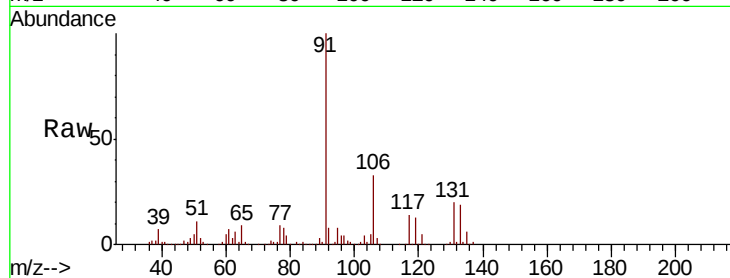
VN1105WBS01

Tot Ion: 91 Resp: 400652

Ion Ratio Lower Upper

91 100

106 33.2 25.1 37.7



#68

m/p-Xylenes

Concen: 40.383 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052153.D

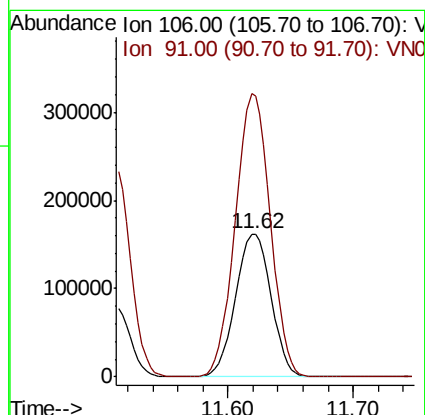
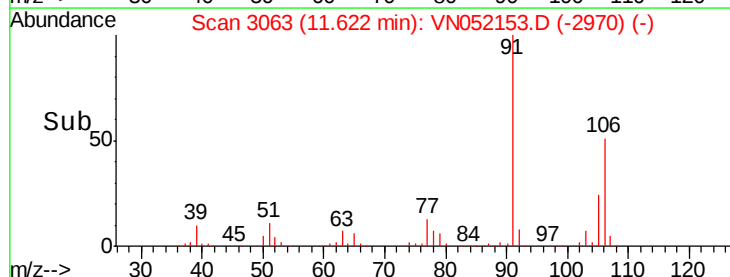
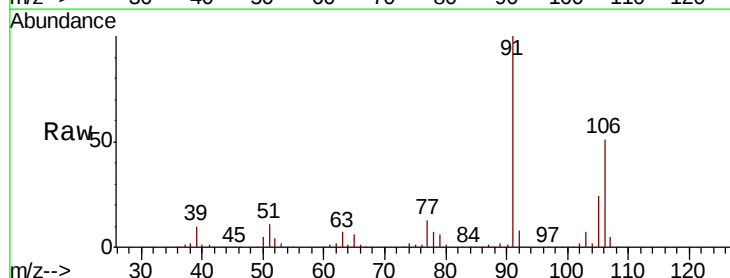
Acq: 5 Nov 2018 18:06

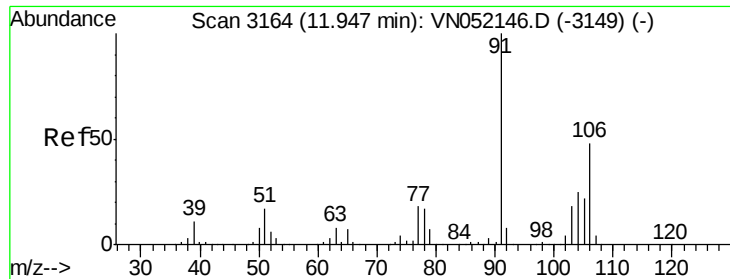
Tgt Ion: 106 Resp: 318700

Ion Ratio Lower Upper

106 100

91 194.9 158.2 237.4

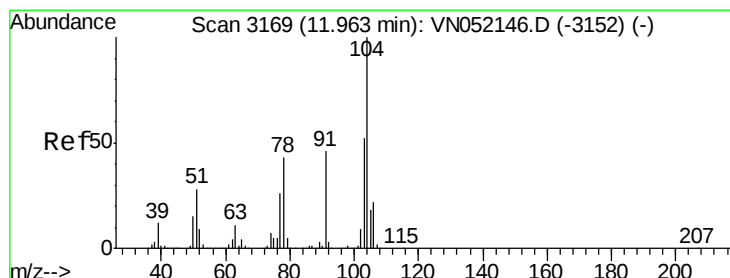
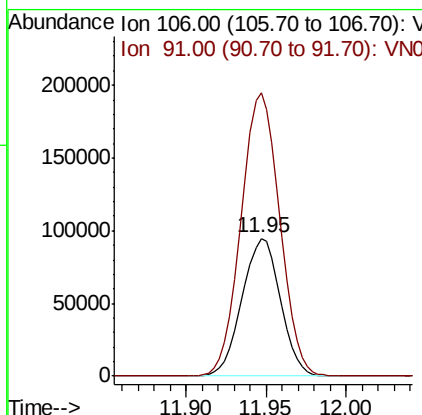
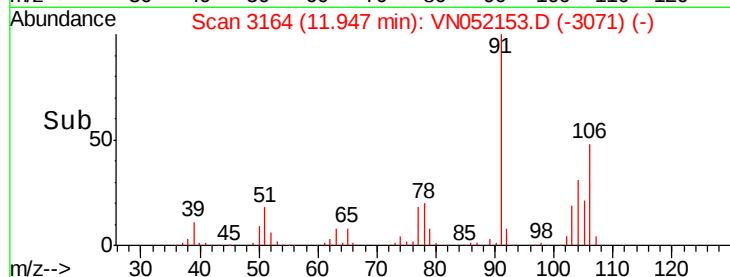
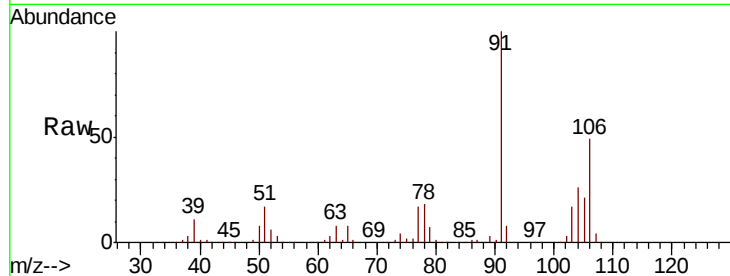




#69
o-Xylene
Concen: 20.208 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

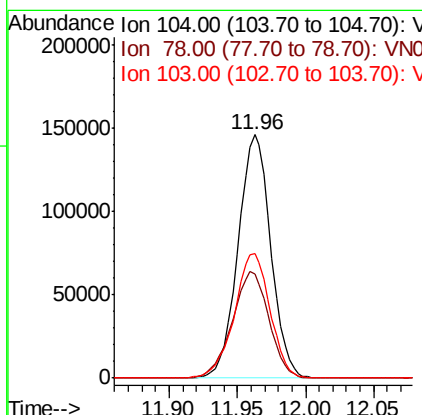
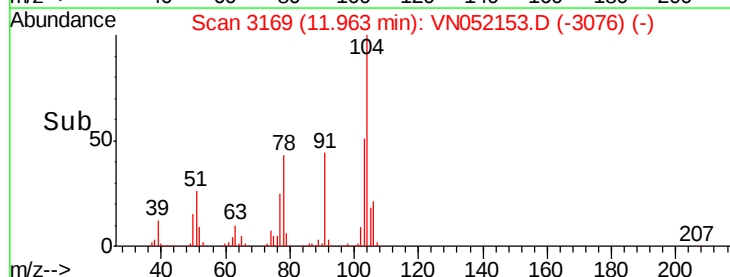
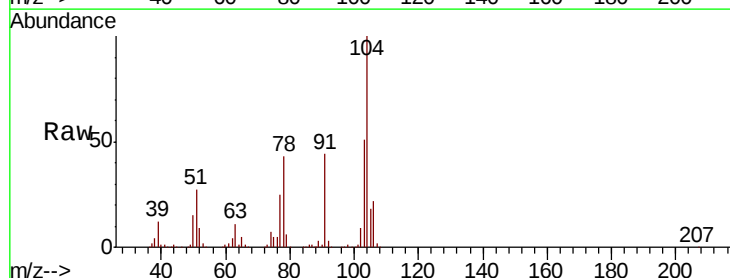
Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

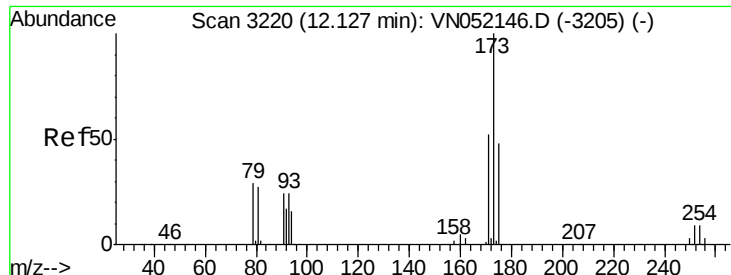
Tot Ion:106 Resp: 154667
Ion Ratio Lower Upper
106 100
91 207.1 104.8 314.3



#70
Styrene
Concen: 20.059 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion:104 Resp: 243042
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.0
103 56.0 45.1 67.7





#71

Bromoform

Concen: 18.889 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

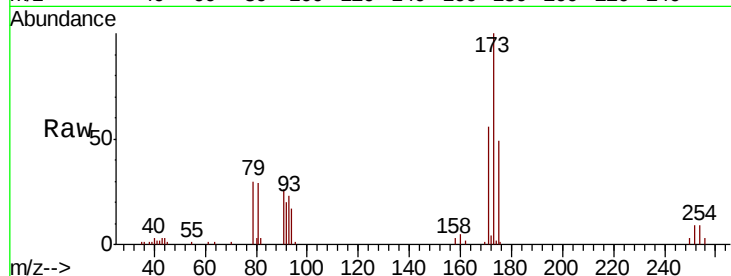
Tot Ion:173 Resp: 47006

Ion Ratio Lower Upper

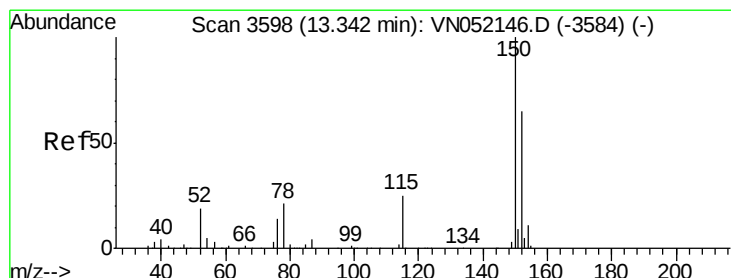
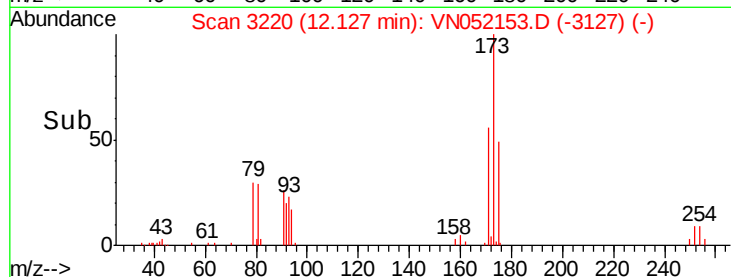
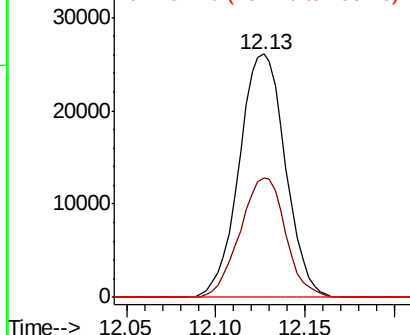
173 100

175 48.3 24.8 74.4

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

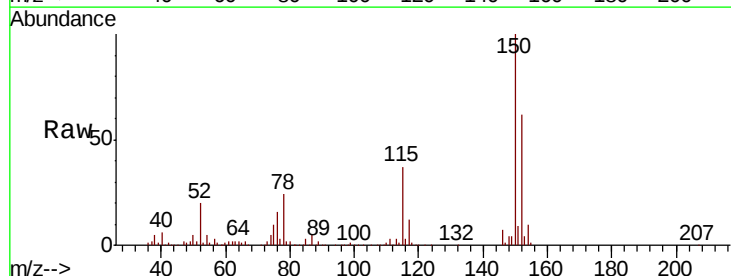
Tgt Ion:152 Resp: 268645

Ion Ratio Lower Upper

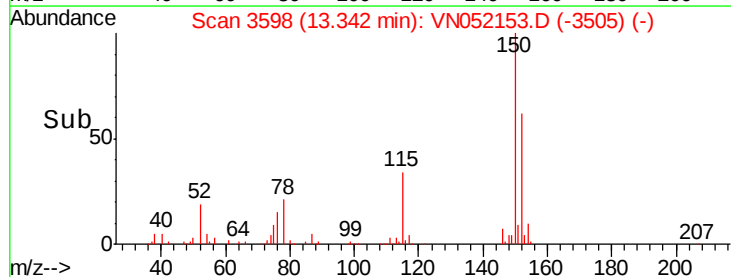
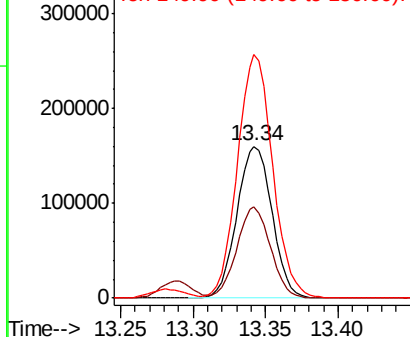
152 100

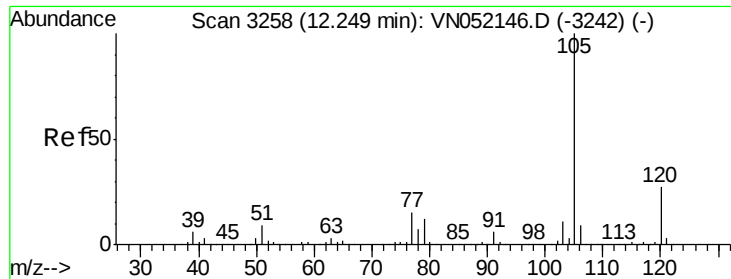
115 57.4 28.5 85.5

150 161.7 0.0 348.6



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





#73

Isopropylbenzene

Concen: 19.614 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

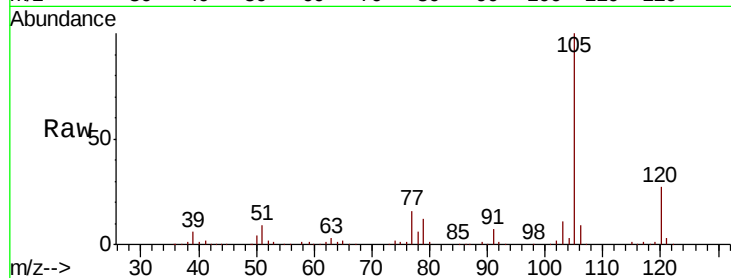
VN1105WBS01

Tot Ion:105 Resp: 398408

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

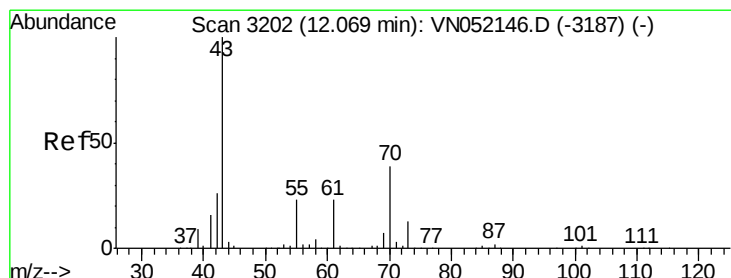
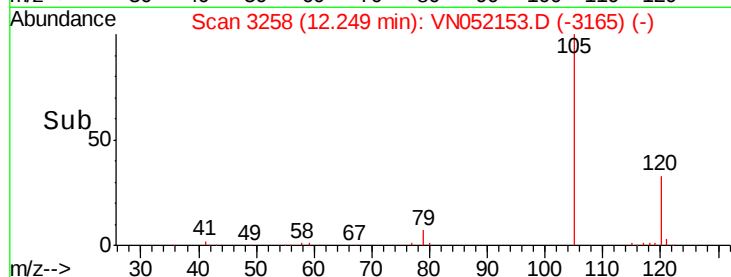
50000

0

12.25

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.537 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Tgt Ion: 43 Resp: 123788

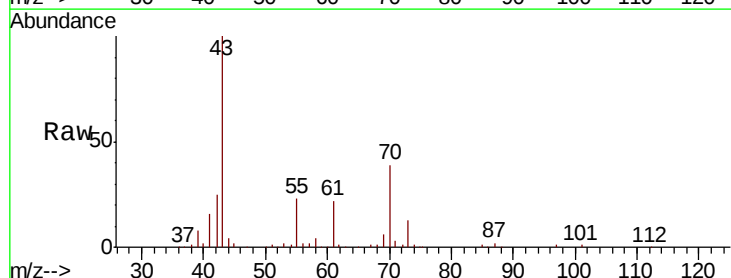
Ion Ratio Lower Upper

43 100

70 37.7 31.1 46.7

55 23.5 18.5 27.7

61 21.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

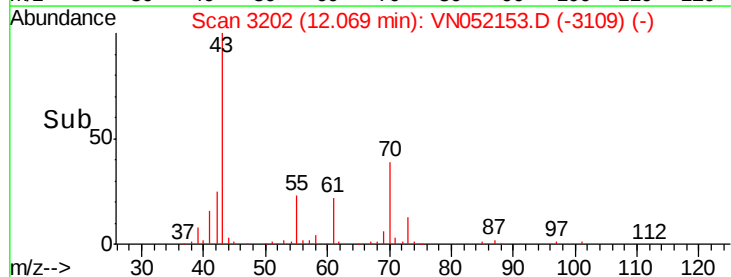
20000

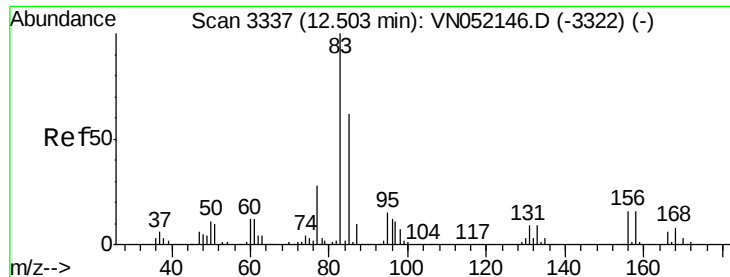
0

12.07

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.134 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

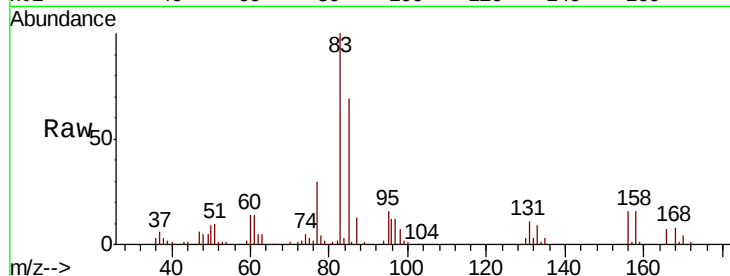
Tot Ion: 83 Resp: 89517

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

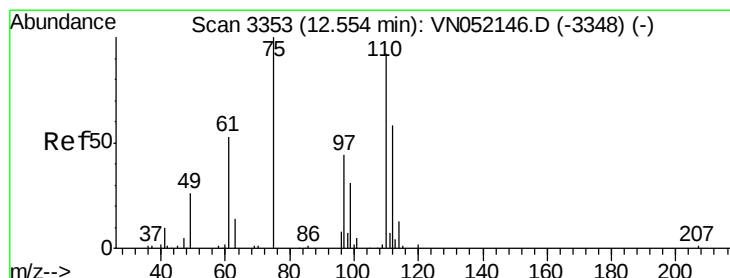
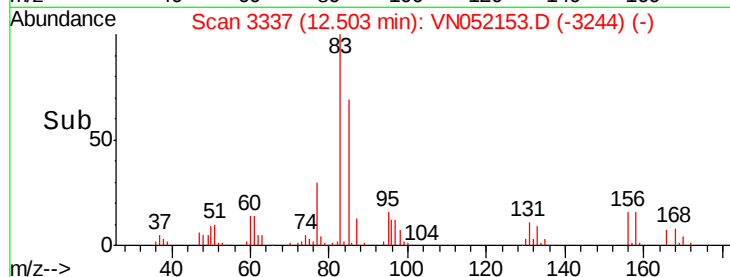
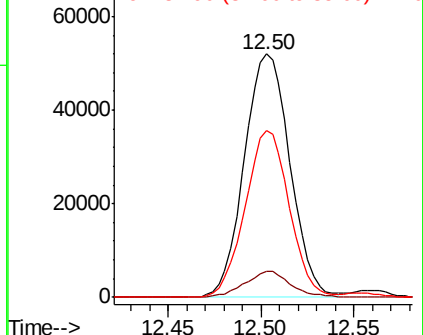
85 66.1 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.435 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052153.D

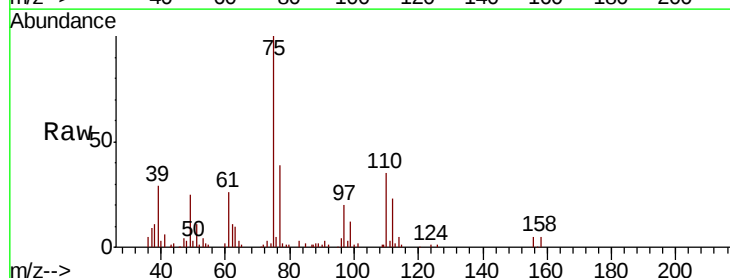
Acq: 5 Nov 2018 18:06

Tgt Ion: 75 Resp: 111762

Ion Ratio Lower Upper

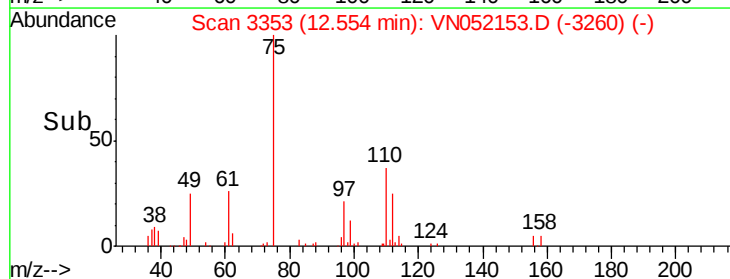
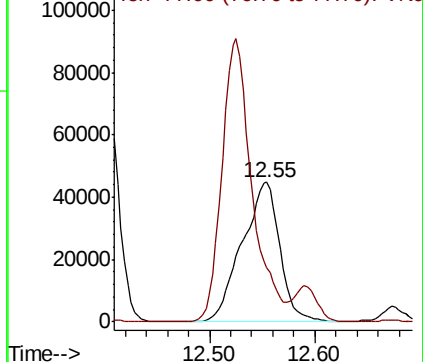
75 100

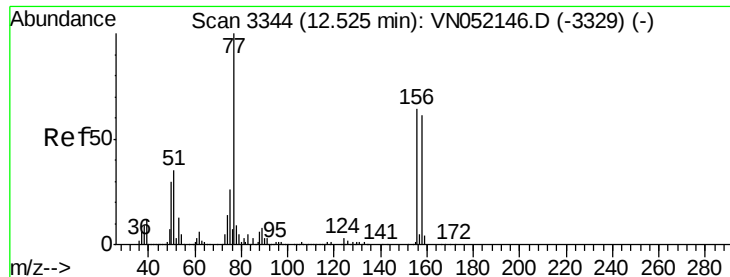
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.304 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

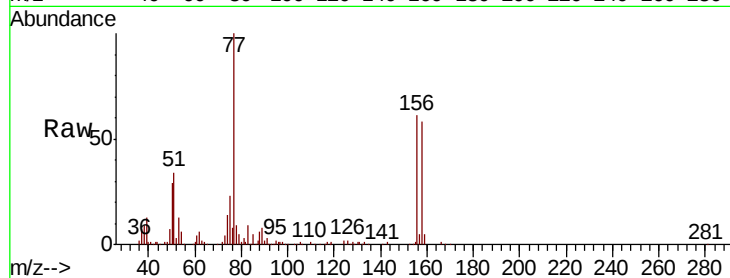
Tot Ion:156 Resp: 93502

Ion Ratio Lower Upper

156 100

77 192.1 91.6 274.9

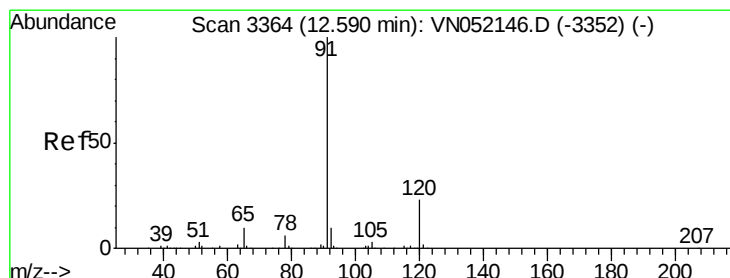
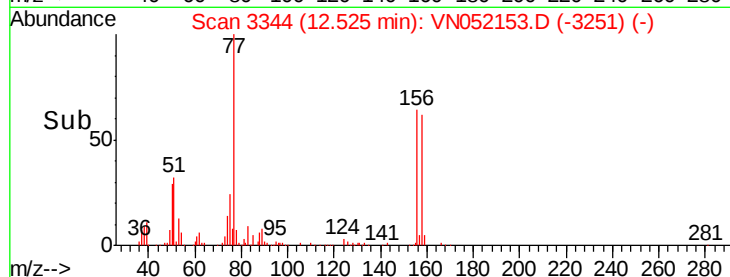
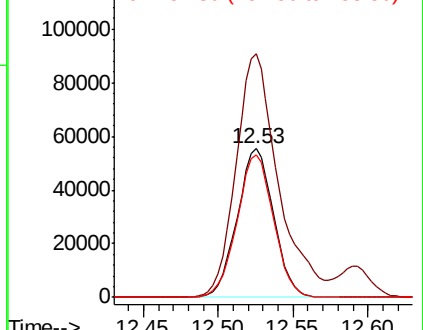
158 96.4 48.1 144.3



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: 19.432 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052153.D

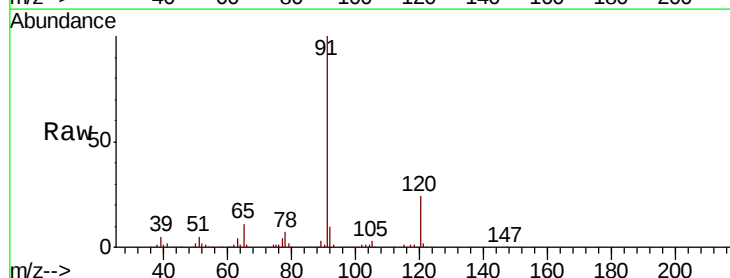
Acq: 5 Nov 2018 18:06

Tgt Ion: 91 Resp: 451091

Ion Ratio Lower Upper

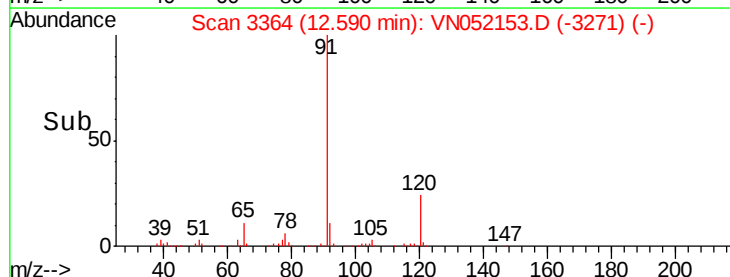
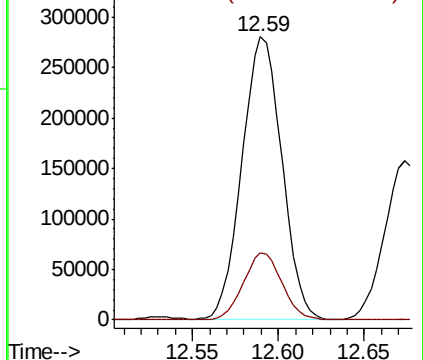
91 100

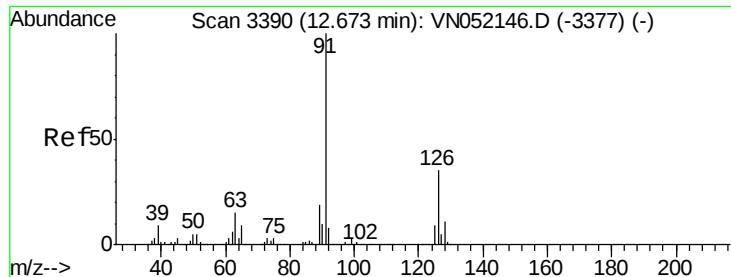
120 22.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.096 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

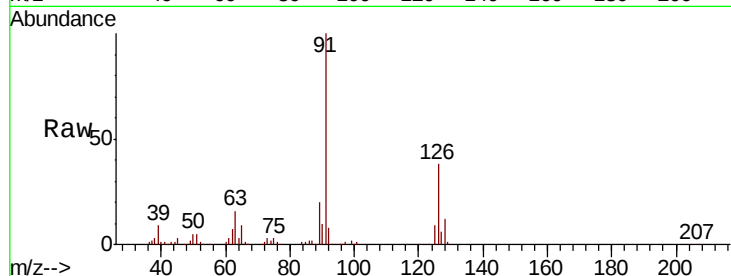
VN1105WBS01

Tot Ion: 91 Resp: 259952

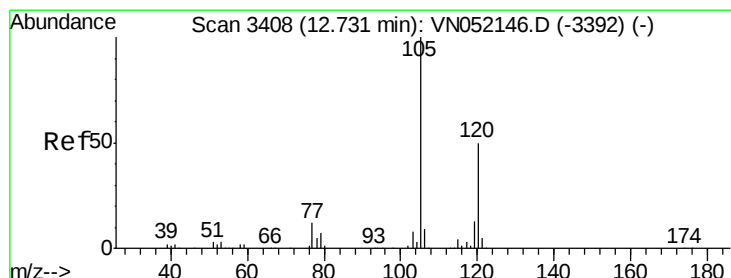
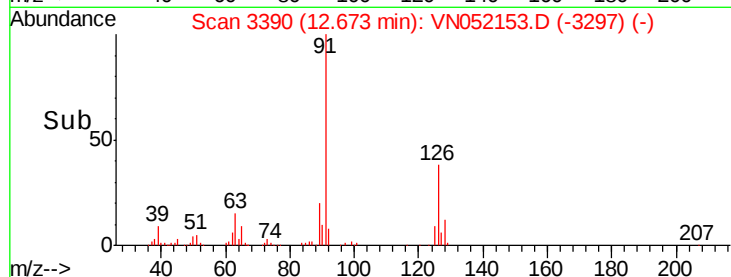
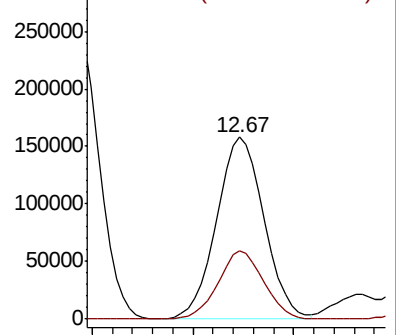
Ion Ratio Lower Upper

91 100

126 36.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.647 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052153.D

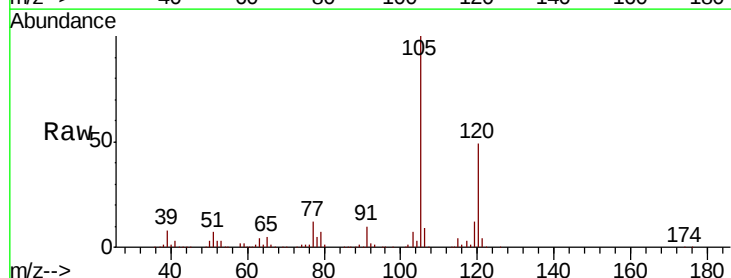
Acq: 5 Nov 2018 18:06

Tgt Ion: 105 Resp: 323027

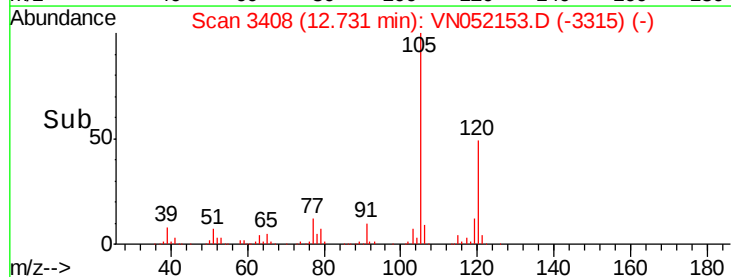
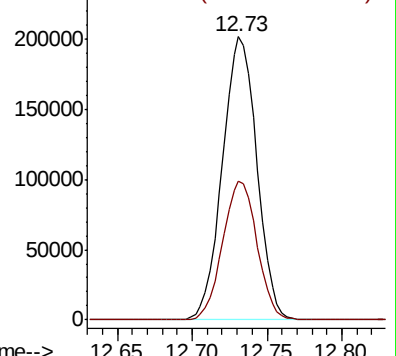
Ion Ratio Lower Upper

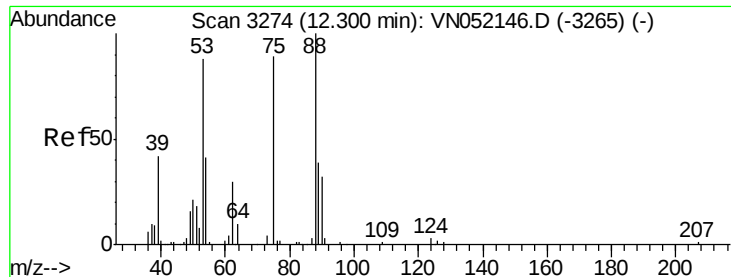
105 100

120 48.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.694 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

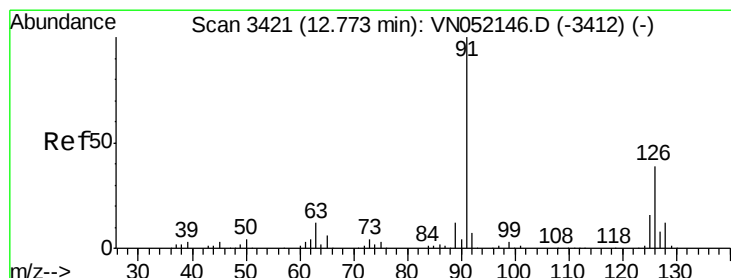
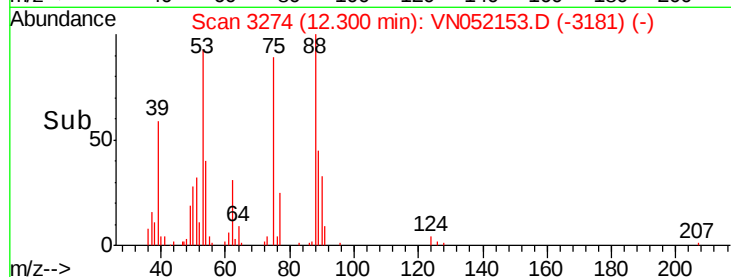
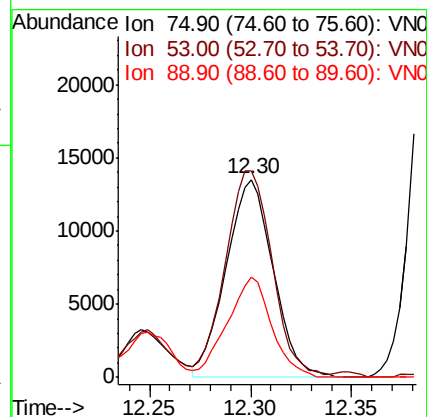
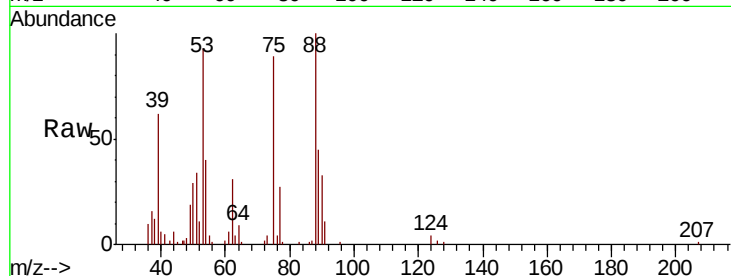
Tot Ion: 75 Resp: 22072

Ion Ratio Lower Upper

75 100

53 101.3 79.4 119.0

89 47.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.967 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052153.D

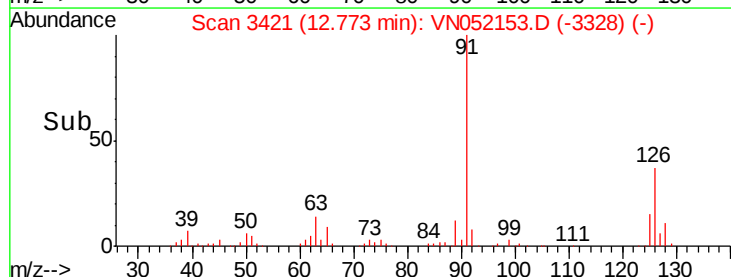
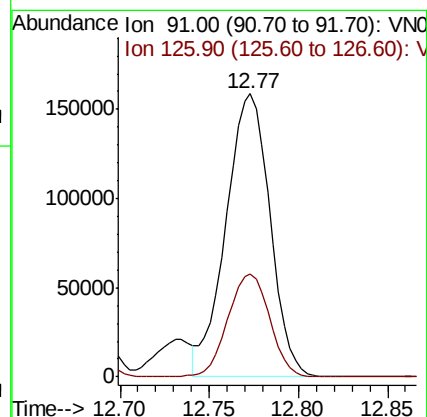
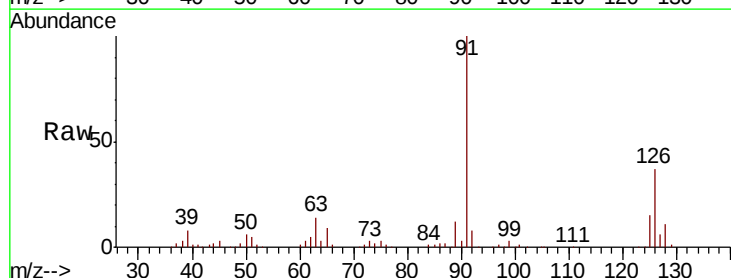
Acq: 5 Nov 2018 18:06

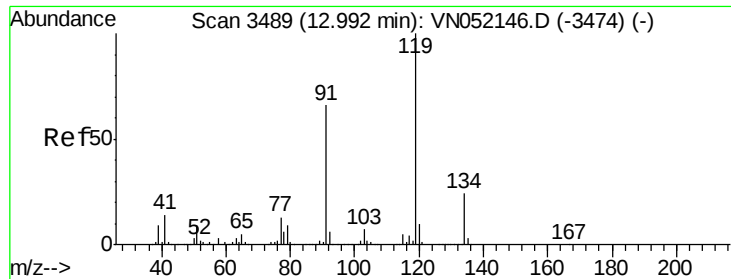
Tgt Ion: 91 Resp: 273195

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.5

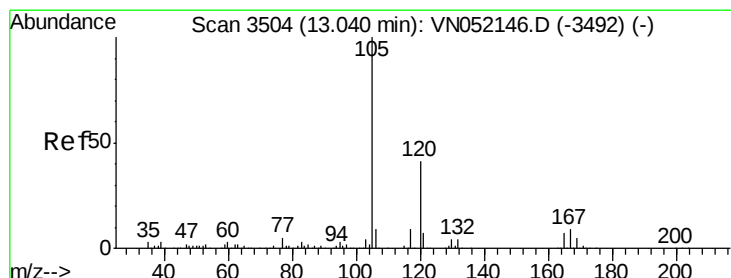
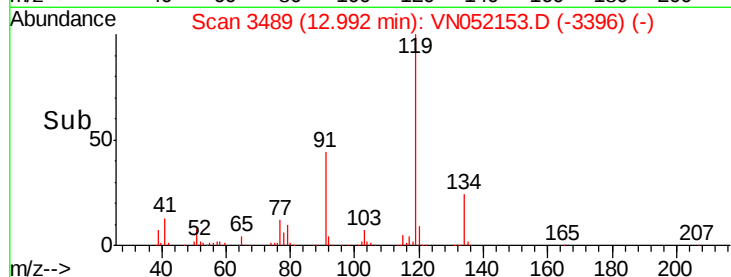
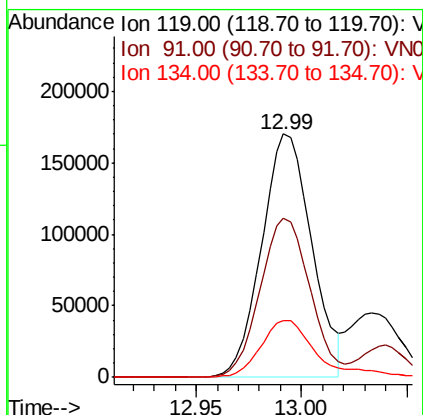
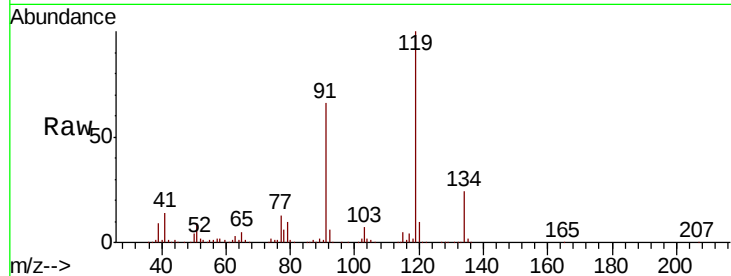




#83
 tert-Butylbenzene
 Concen: 19.384 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

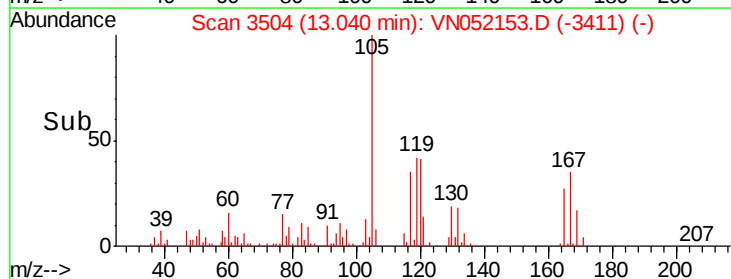
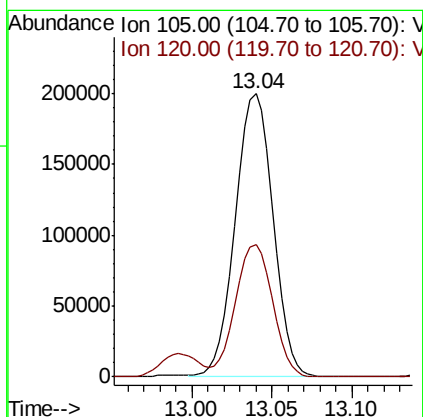
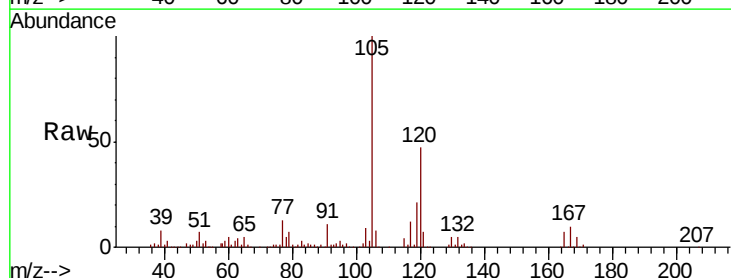
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

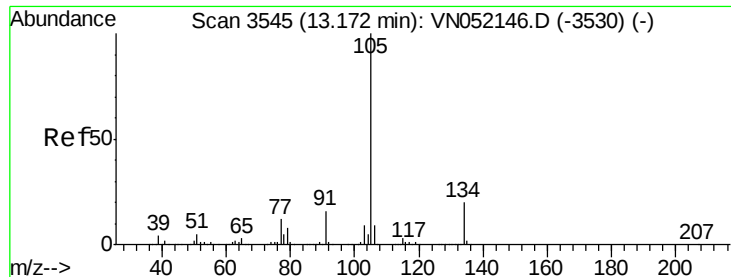
Tot Ion:119 Resp: 281411
 Ion Ratio Lower Upper
 119 100
 91 65.4 32.3 96.8
 134 26.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.675 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion:105 Resp: 322010
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.5





#85

sec-Butylbenzene

Concen: 19.660 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

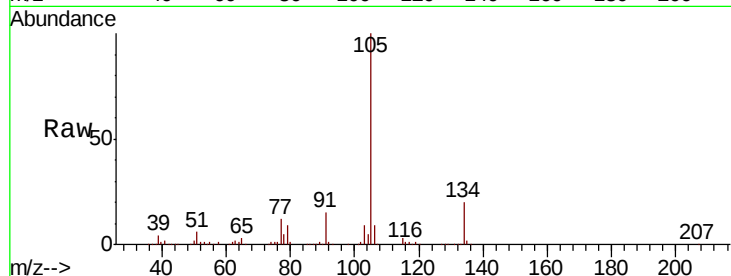
VN1105WBS01

Tot Ion:105 Resp: 385956

Ion Ratio Lower Upper

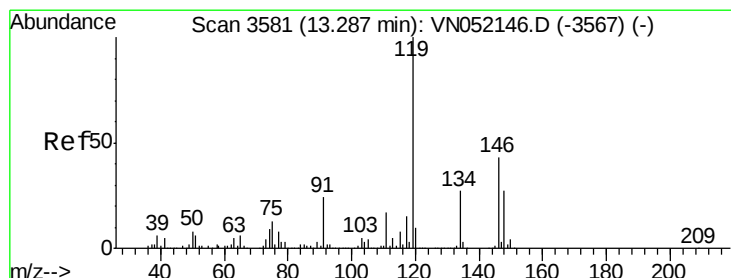
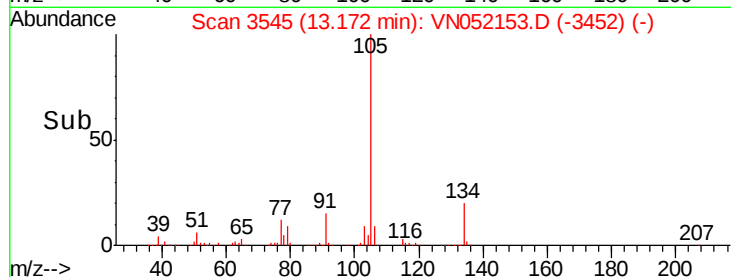
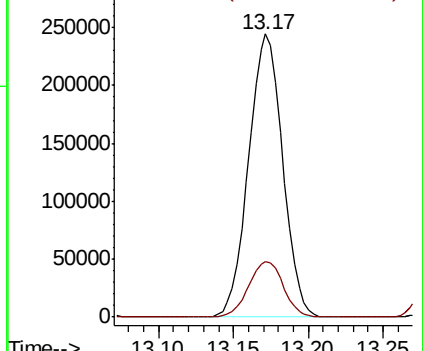
105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.612 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

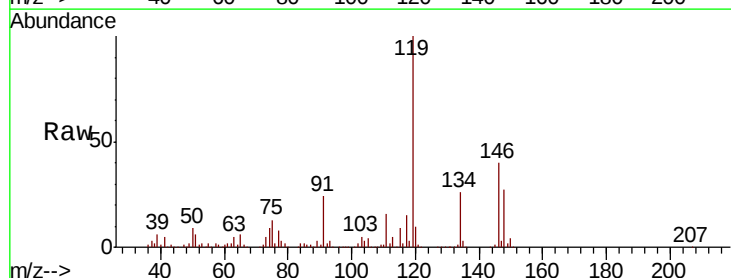
Tgt Ion:119 Resp: 324059

Ion Ratio Lower Upper

119 100

134 27.7 13.5 40.5

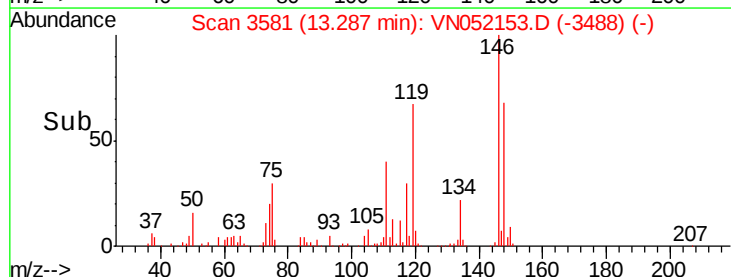
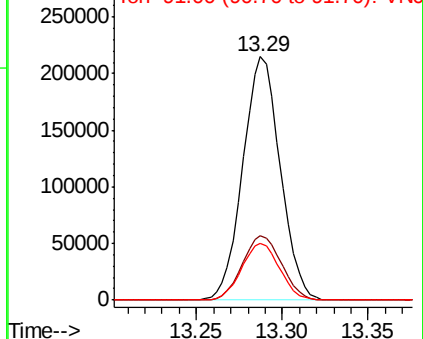
91 23.7 11.9 35.7

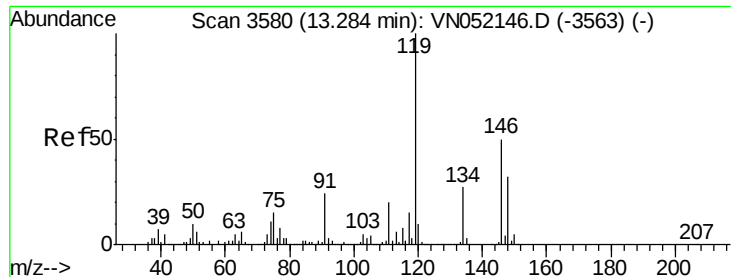


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.088 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

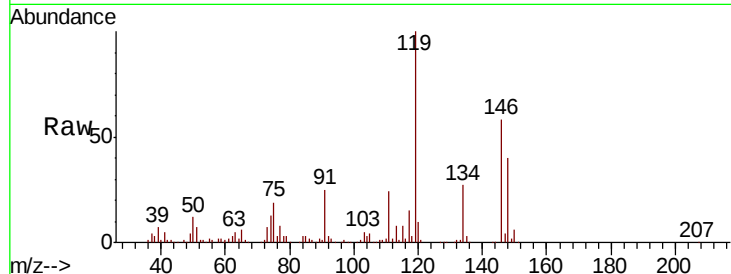
Tot Ion:146 Resp: 163383

Ion Ratio Lower Upper

146 100

111 40.6 20.2 60.6

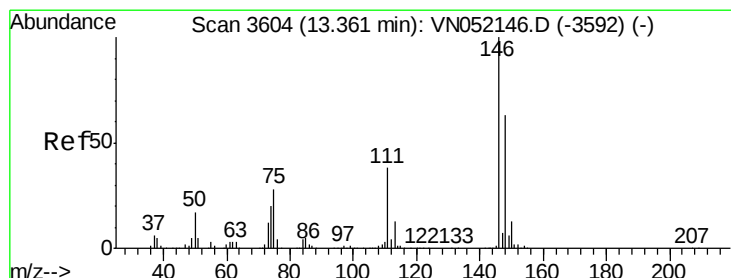
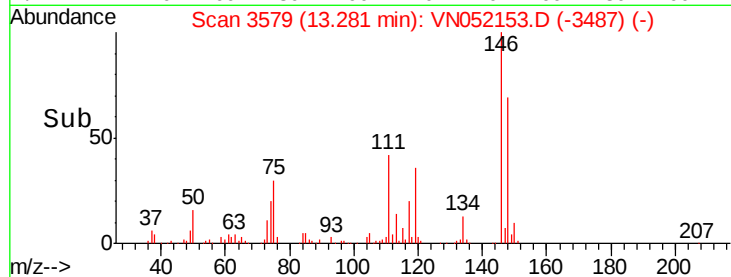
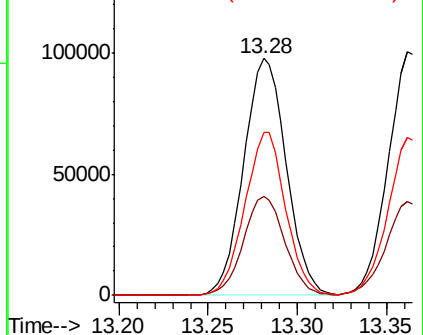
148 65.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.040 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

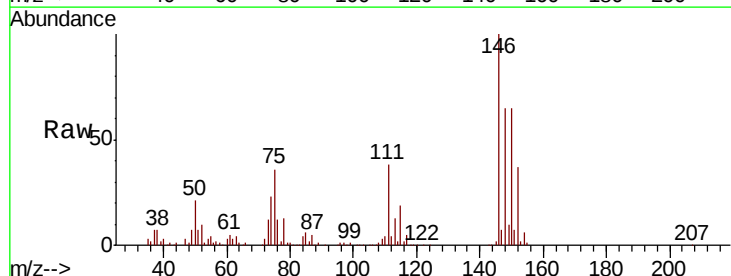
Tgt Ion:146 Resp: 162900

Ion Ratio Lower Upper

146 100

111 40.5 19.4 58.1

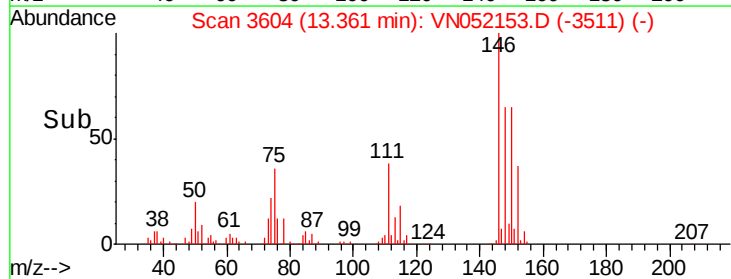
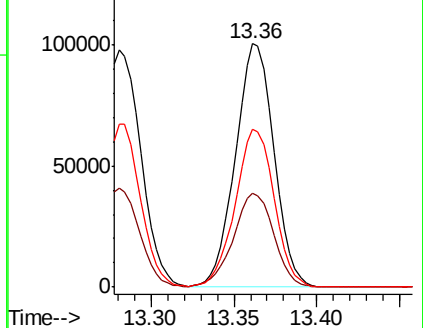
148 65.5 31.5 94.5

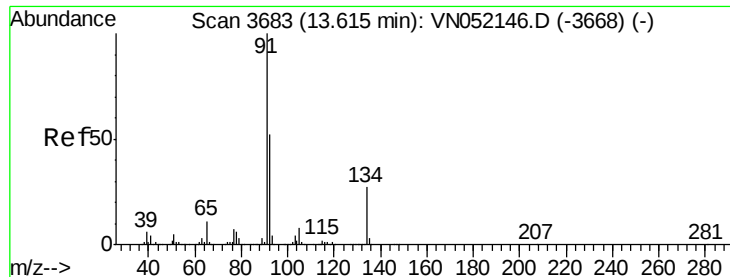


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

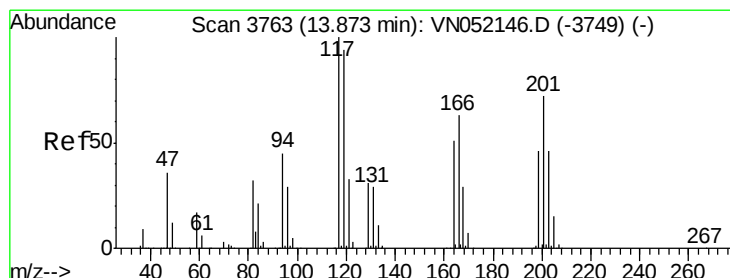
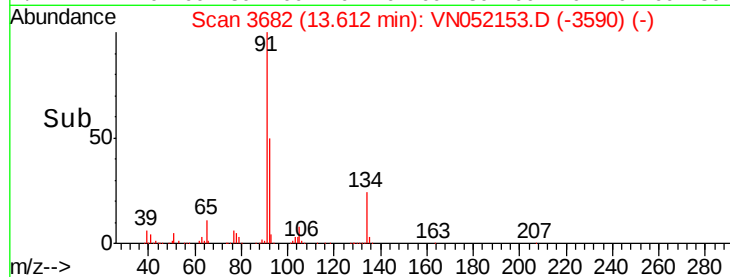
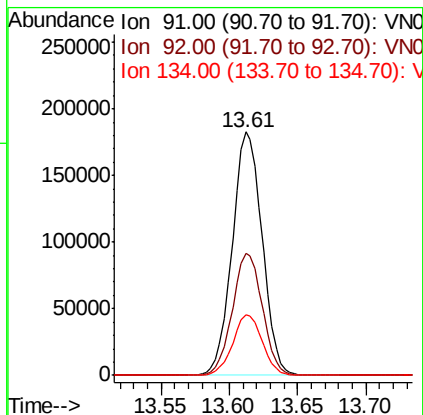
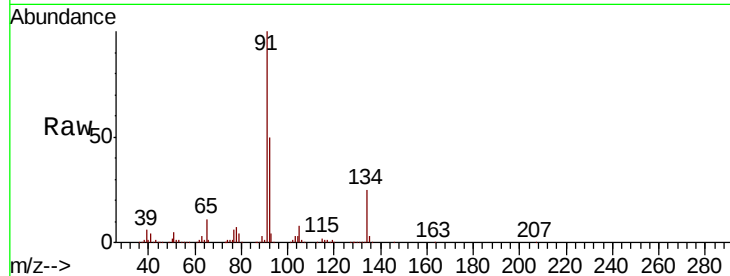




#89
n-Butylbenzene
Concen: 19.387 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

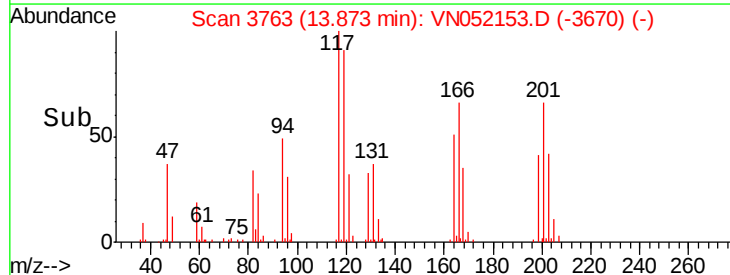
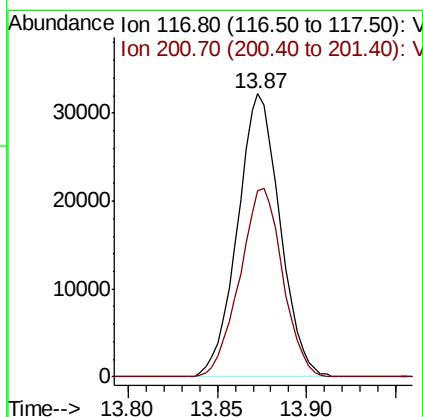
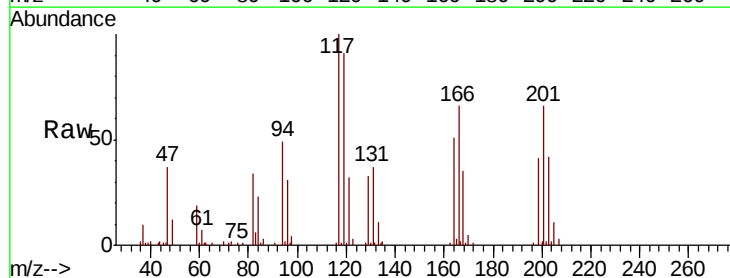
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

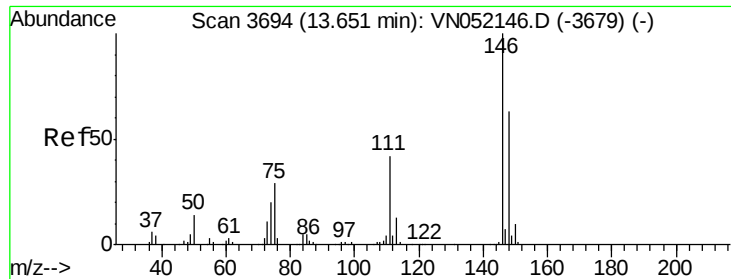
Tot Ion: 91 Resp: 277382
Ion Ratio Lower Upper
91 100
92 50.4 26.3 78.8
134 24.6 13.4 40.2



#90
Hexachloroethane
Concen: 19.162 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052153.D
Acq: 5 Nov 2018 18:06

Tgt Ion: 117 Resp: 53360
Ion Ratio Lower Upper
117 100
201 67.1 36.8 110.3





#91

1,2-Dichlorobenzene

Concen: 19.737 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

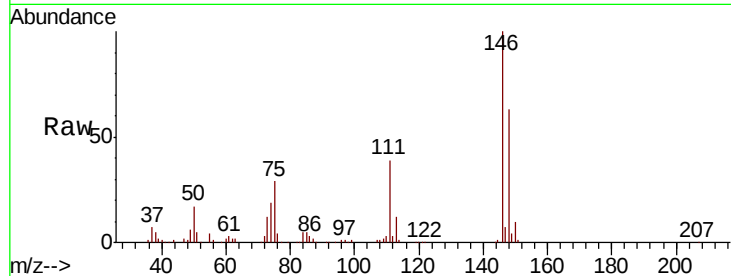
Tot Ion:146 Resp: 158543

Ion Ratio Lower Upper

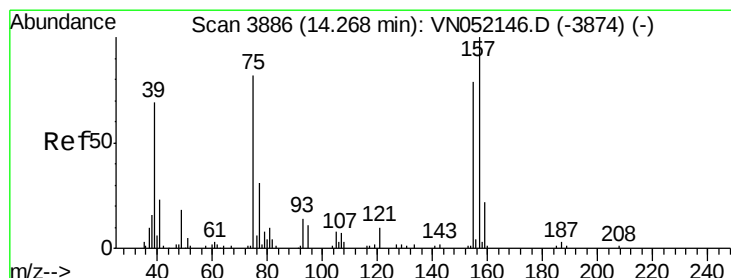
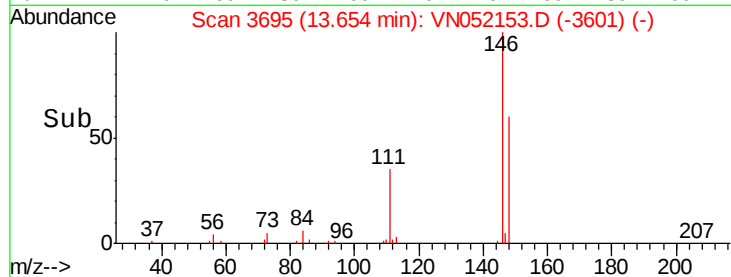
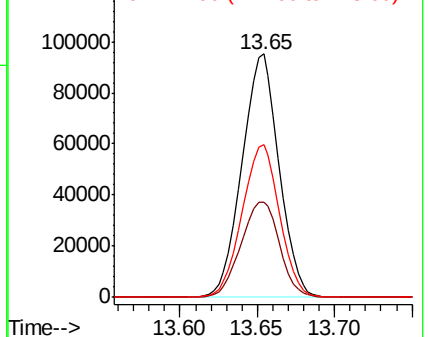
146 100

111 40.7 21.1 63.1

148 63.3 31.4 94.3



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: 21.746 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

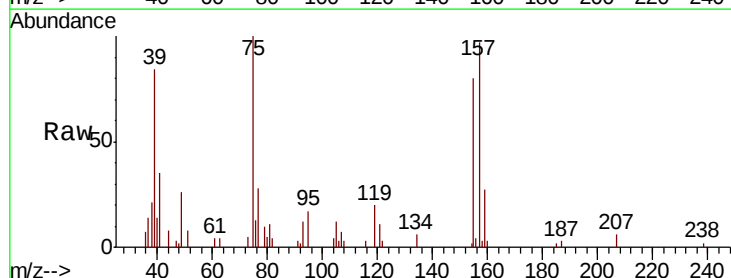
Tgt Ion: 75 Resp: 12763

Ion Ratio Lower Upper

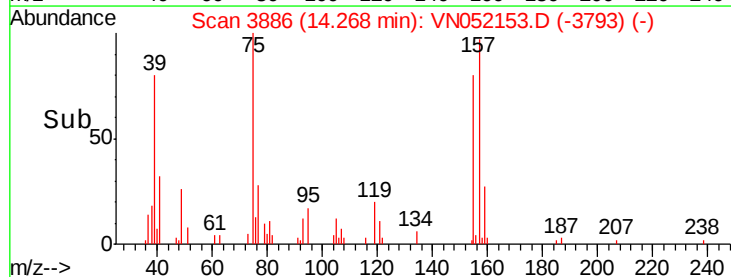
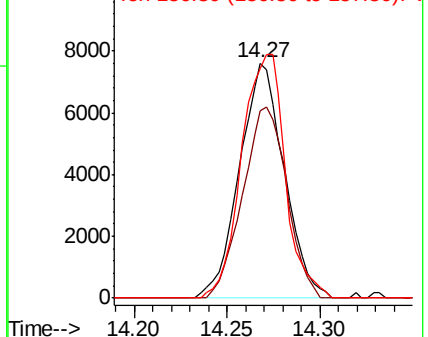
75 100

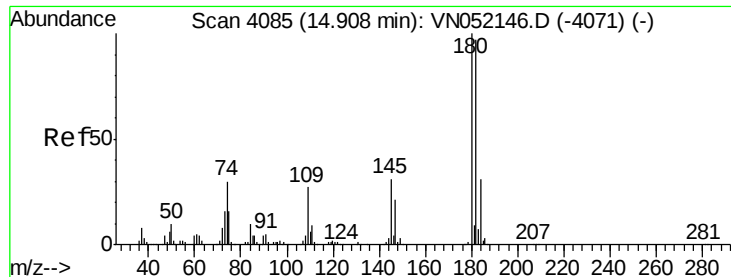
155 80.3 47.4 142.2

157 101.2 60.3 180.8



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

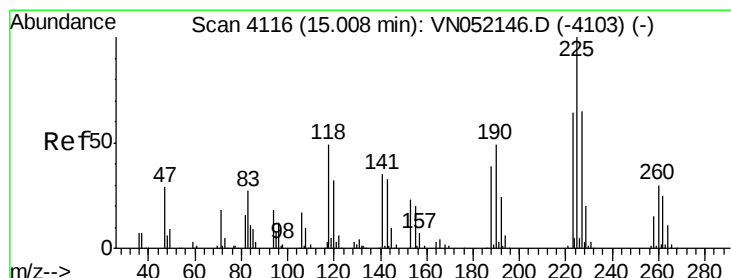
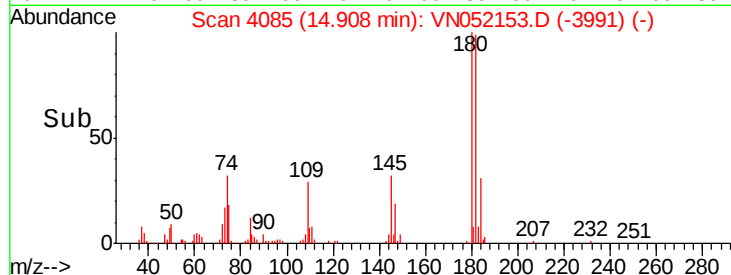
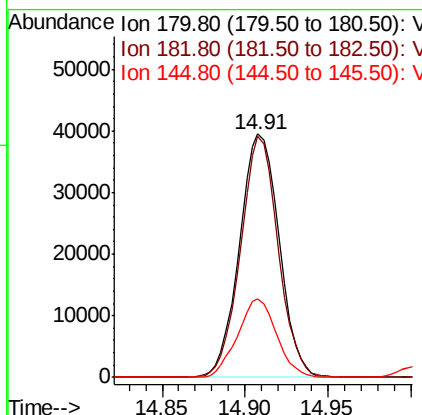
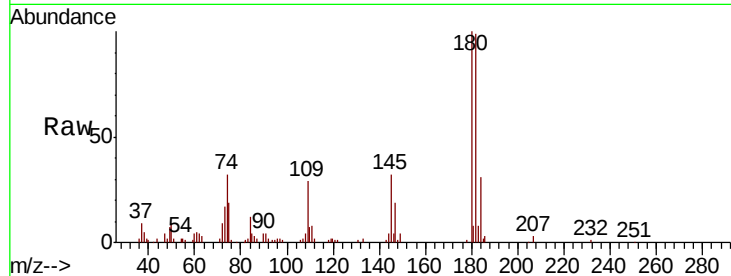




#93
 1,2,4-Trichlorobenzene
 Concen: 18.781 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

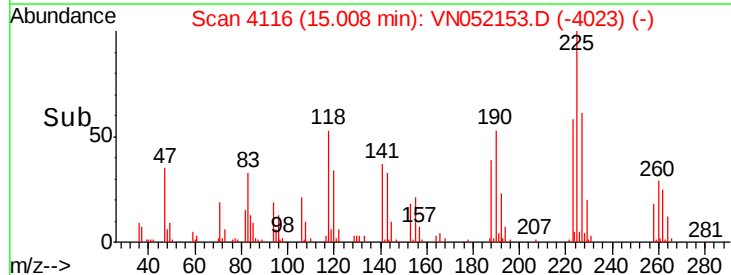
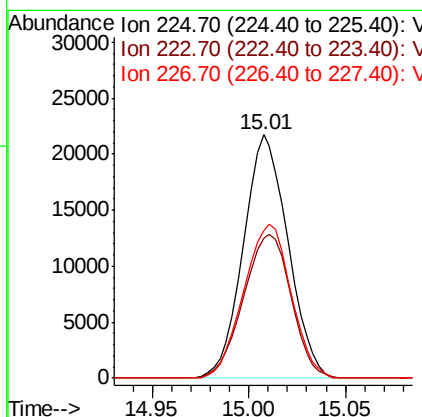
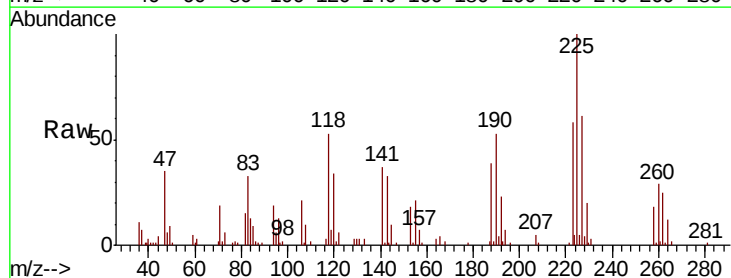
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

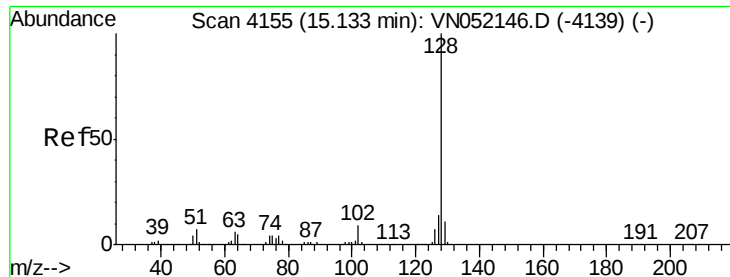
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.4
145	31.6	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 18.219 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052153.D
 Acq: 5 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.8
227	66.9	31.6	94.8





#95

Naphthalene

Concen: 18.094 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

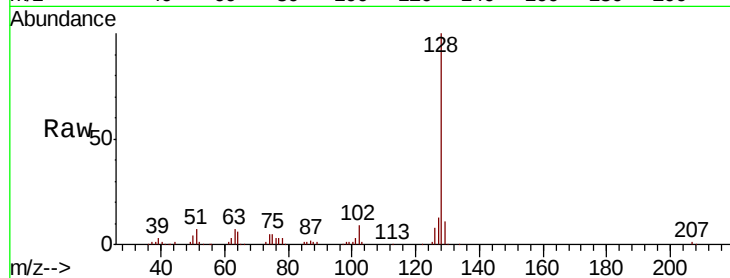
Tot Ion:128 Resp: 148853

Ion Ratio Lower Upper

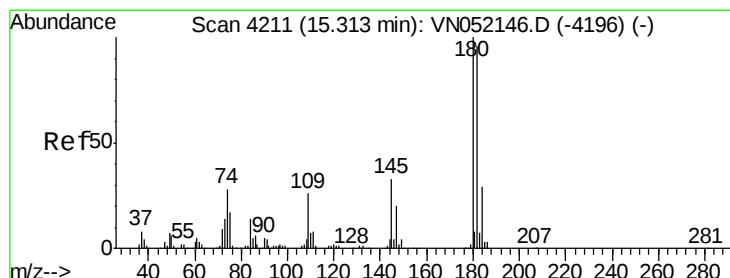
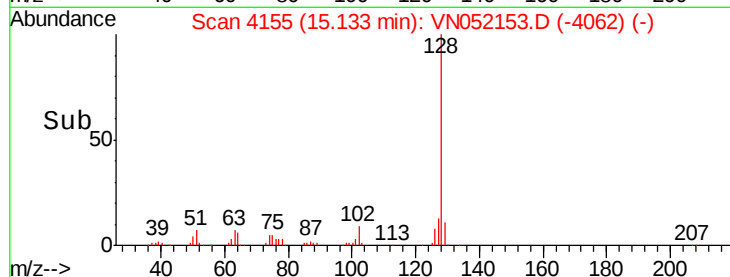
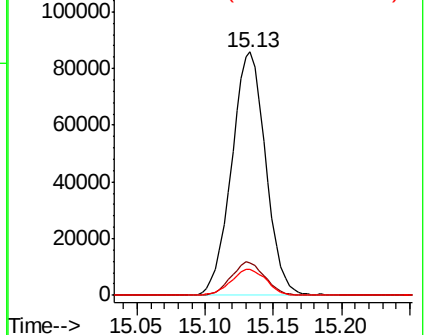
128 100

127 13.5 10.8 16.2

129 11.3 9.1 13.7



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: 19.146 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052153.D

Acq: 5 Nov 2018 18:06

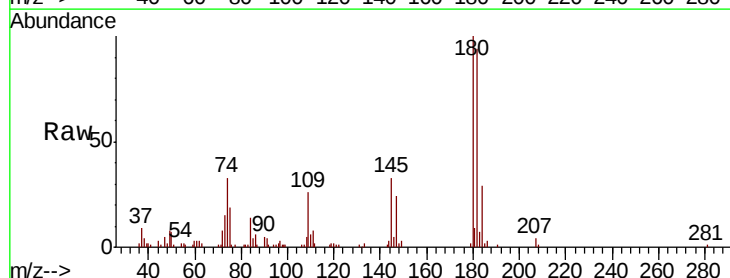
Tgt Ion:180 Resp: 58857

Ion Ratio Lower Upper

180 100

182 94.5 46.6 139.7

145 31.2 16.7 50.0



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

