

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051345.D
 Acq On : 20 Sep 2018 17:42
 Operator : MD\SY
 Sample : VN0920WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Quant Time: Sep 21 06:42:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	689685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	936772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	421125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	363912	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.59	113	364888	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	1374663	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	12.40	95	436389	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109623	19.02	ug/l	98
3) Chloromethane	2.06	50	149512	18.29	ug/l	98
4) Vinyl Chloride	2.18	62	158209	19.47	ug/l	100
5) Bromomethane	2.57	94	114620	20.23	ug/l	99
6) Chloroethane	2.70	64	97994	19.63	ug/l	98
7) Trichlorofluoromethane	3.02	101	224050	19.29	ug/l	96
8) Diethyl Ether	3.41	74	75819	20.40	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139487	19.57	ug/l	98
10) Methyl Iodide	3.95	142	208155	19.74	ug/l	100
11) Tert butyl alcohol	4.79	59	39218	98.96	ug/l	96
12) 1,1-Dichloroethene	3.74	96	127716	19.80	ug/l	95
13) Acrolein	3.61	56	48125	106.10	ug/l	99
14) Allyl chloride	4.33	41	181762	19.99	ug/l	99
15) Acrylonitrile	4.99	53	199807	99.49	ug/l	99
16) Acetone	3.82	43	133677	87.05	ug/l	95
17) Carbon Disulfide	4.05	76	385089	19.81	ug/l	98
18) Methyl Acetate	4.33	43	91120	17.27	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	320033	20.50	ug/l	96
20) Methylene Chloride	4.55	84	149324	19.43	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	138932	20.39	ug/l	98
22) Diisopropyl ether	5.95	45	384546	21.41	ug/l	96
23) Vinyl Acetate	5.90	43	1218059	104.84	ug/l	99
24) 1,1-Dichloroethane	5.85	63	243244	19.87	ug/l	99
25) 2-Butanone	6.84	43	207381	97.10	ug/l	100
26) 2,2-Dichloropropane	6.83	77	195960	19.37	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	153650	20.35	ug/l	100
28) Bromochloromethane	7.20	49	102167	20.13	ug/l	98
29) Tetrahydrofuran	7.22	42	138916	102.66	ug/l	99
30) Chloroform	7.37	83	252418	19.62	ug/l	99
31) Cyclohexane	7.66	56	218699	18.15	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	221340	19.96	ug/l	100
36) 1,1-Dichloropropene	7.79	75	192275	20.07	ug/l	98
37) Ethyl Acetate	6.93	43	99979	21.08	ug/l	97
38) Carbon Tetrachloride	7.77	117	203016	19.58	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	223891	20.02	ug/l	97
40) Benzene	8.04	78	579647	20.08	ug/l	99
41) Methacrylonitrile	7.17	41	49023	19.84	ug/l #	94
42) 1,2-Dichloroethane	8.13	62	170742	19.58	ug/l	99
43) Isopropyl Acetate	8.17	43	176650	21.26	ug/l #	88
44) Trichloroethene	8.84	130	164711	19.87	ug/l	96
45) 1,2-Dichloropropane	9.12	63	149614	20.25	ug/l	99
46) Dibromomethane	9.21	93	90477	19.87	ug/l	99
47) Bromodichloromethane	9.40	83	188284	19.38	ug/l	97
48) Methyl methacrylate	9.20	41	82939	19.58	ug/l	98
49) 1,4-Dioxane	9.20	88	25342	404.60	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	471845	105.59	ug/l	100
52) Toluene	10.16	92	371385	20.89	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	186834	20.03	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221065	20.47	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	129987	19.49	ug/l	99
56) Ethyl methacrylate	10.43	69	145881	20.71	ug/l	99
57) 1,3-Dichloropropane	10.71	76	213636	20.34	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	370588	107.01	ug/l	99
59) 2-Hexanone	10.75	43	299091	99.27	ug/l	98
60) Dibromochloromethane	10.90	129	151815	19.52	ug/l	99
61) 1,2-Dibromoethane	11.00	107	126087	19.67	ug/l	100
64) Tetrachloroethene	10.63	164	151751	20.67	ug/l	98
65) Chlorobenzene	11.43	112	407151	20.24	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	154627	20.19	ug/l	100
67) Ethyl Benzene	11.51	91	654578	20.80	ug/l	98
68) m/p-Xylenes	11.62	106	524589	42.43	ug/l	98
69) o-Xylene	11.95	106	250190	20.99	ug/l	100
70) Styrene	11.96	104	393421	21.26	ug/l	100
71) Bromoform	12.13	173	104463	20.10	ug/l #	100
73) Isopropylbenzene	12.25	105	669688	21.70	ug/l	99
74) N-amyl acetate	12.07	43	132603	20.08	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153754	20.19	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	177062	29.12	ug/l #	100
77) Bromobenzene	12.53	156	173960	20.40	ug/l	98
78) n-propylbenzene	12.59	91	727580	21.62	ug/l	99
79) 2-Chlorotoluene	12.67	91	442982	21.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	558661	22.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37447	21.32	ug/l	99
82) 4-Chlorotoluene	12.77	91	436643	21.66	ug/l	99
83) tert-Butylbenzene	12.99	119	489733	21.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	555609	22.37	ug/l	99
85) sec-Butylbenzene	13.17	105	653095	21.93	ug/l	100
86) p-Isopropyltoluene	13.29	119	569336	21.97	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	294262	20.53	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	280488	20.19	ug/l	99
89) n-Butylbenzene	13.61	91	421365	20.91	ug/l	99
90) Hexachloroethane	13.87	117	106406	19.17	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	289211	20.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20320	20.14	ug/l	97

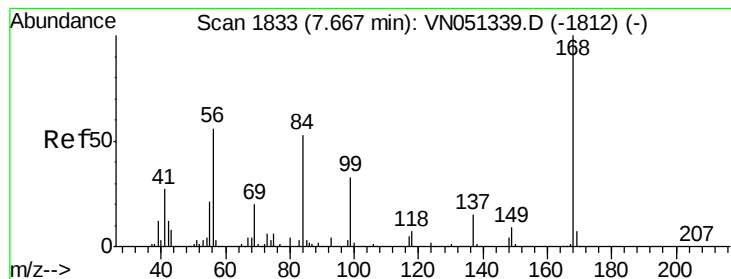
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130502	20.56	ug/l	99
94) Hexachlorobutadiene	15.01	225	108021	20.10	ug/l	98
95) Naphthalene	15.13	128	219104	19.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132368	20.96	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

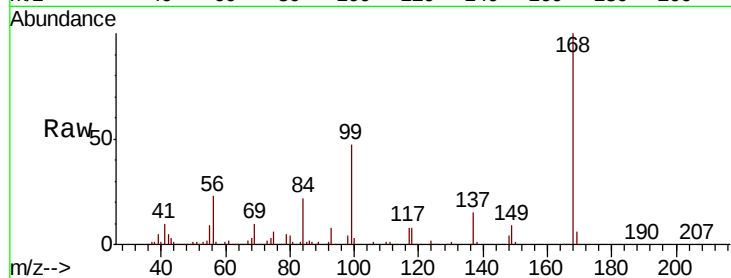
VN0920WBSD01

Tot Ion:168 Resp: 689685

Ion Ratio Lower Upper

168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

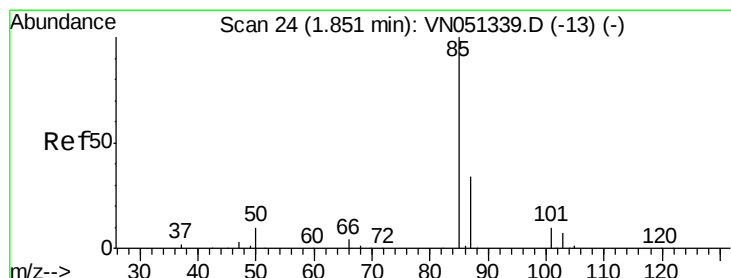
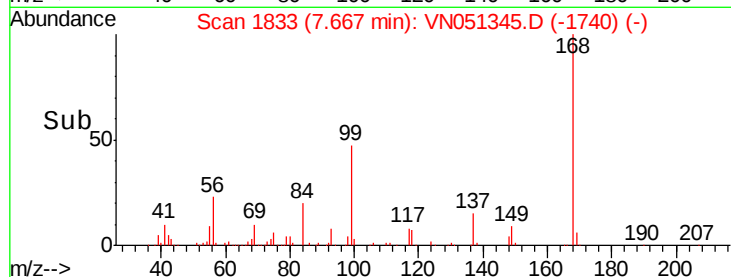
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.02 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051345.D

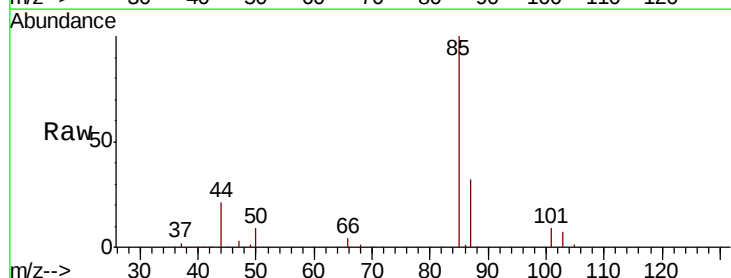
Acq: 20 Sep 2018 17:42

Tgt Ion: 85 Resp: 109623

Ion Ratio Lower Upper

85 100

87 32.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

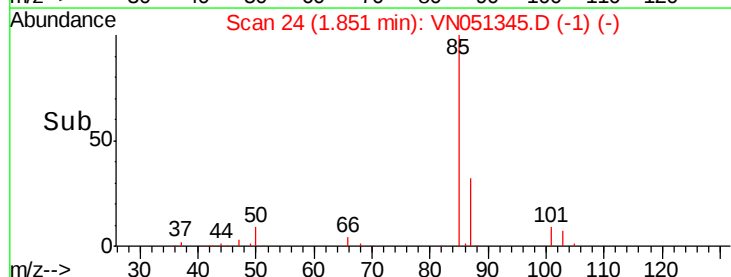
40000

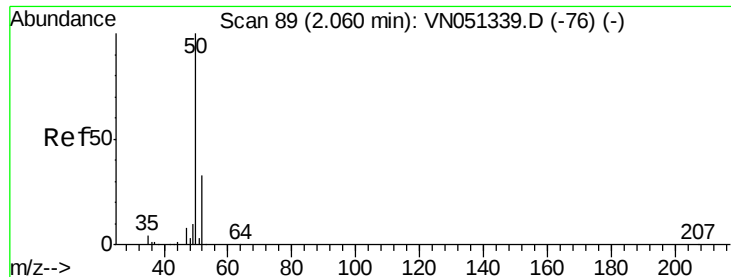
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.29 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

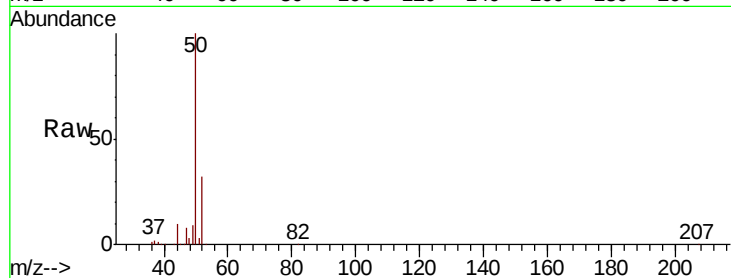
VN0920WBSD01

Tot Ion: 50 Resp: 149512

Ion Ratio Lower Upper

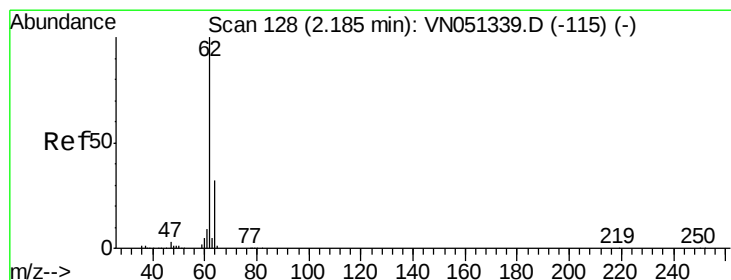
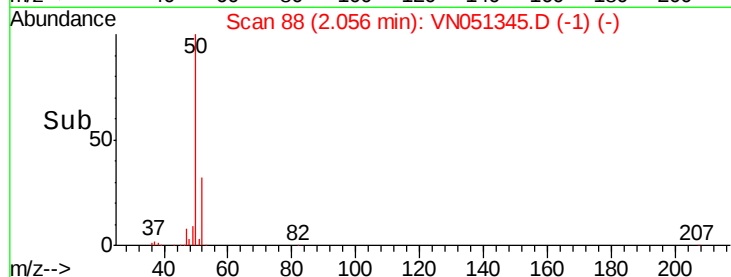
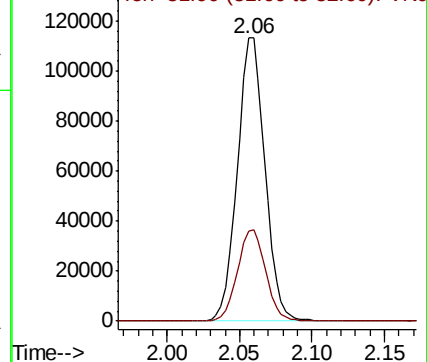
50 100

52 32.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.47 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051345.D

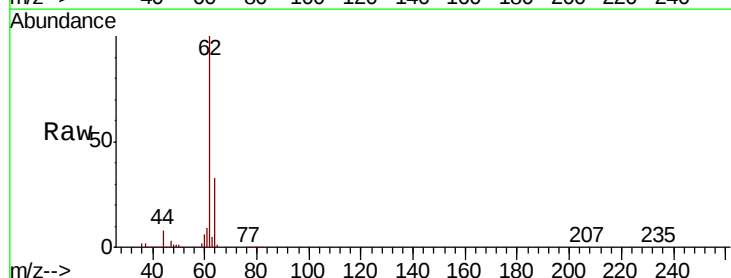
Acq: 20 Sep 2018 17:42

Tgt Ion: 62 Resp: 158209

Ion Ratio Lower Upper

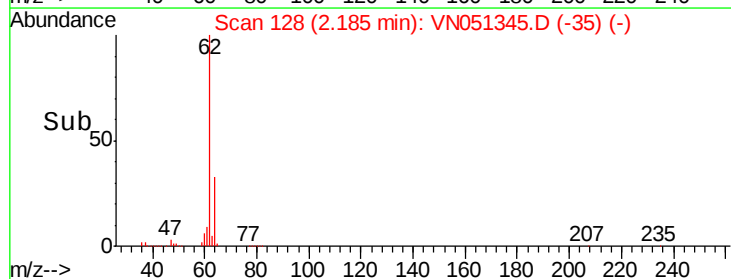
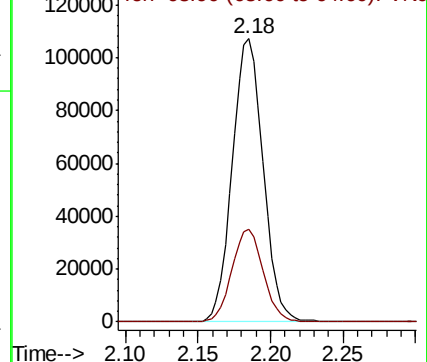
62 100

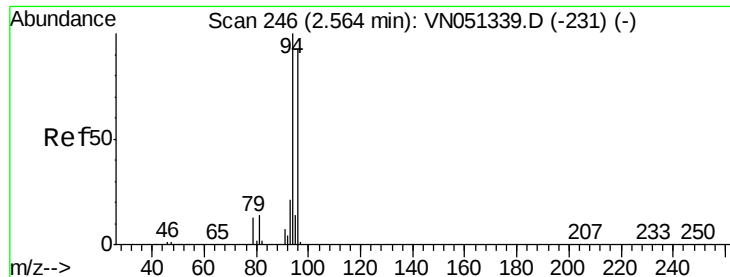
64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.23 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

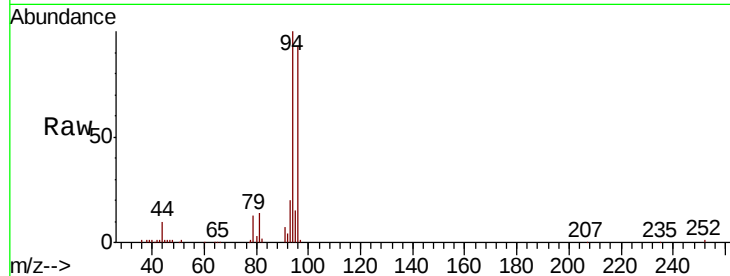
VN0920WBSD01

Tot Ion: 94 Resp: 114620

Ion Ratio Lower Upper

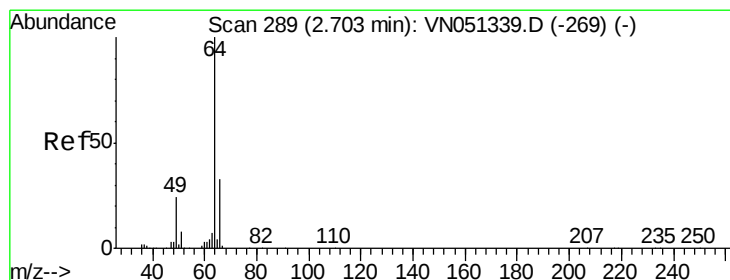
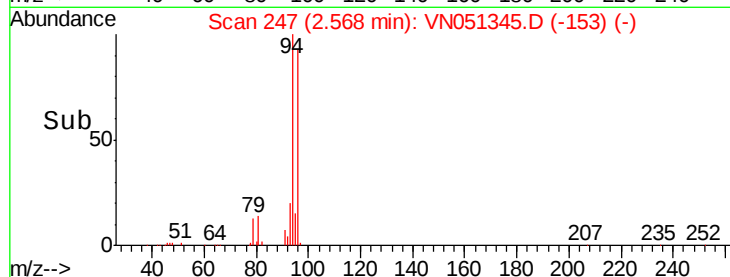
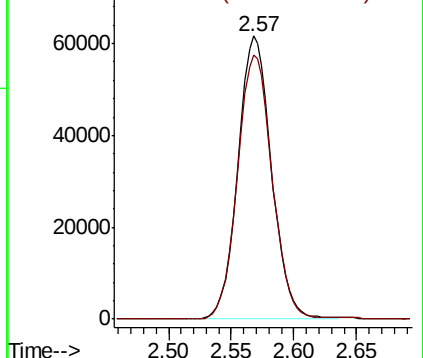
94 100

96 93.3 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.63 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051345.D

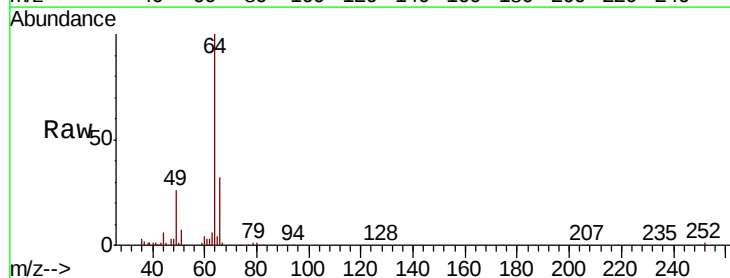
Acq: 20 Sep 2018 17:42

Tgt Ion: 64 Resp: 97994

Ion Ratio Lower Upper

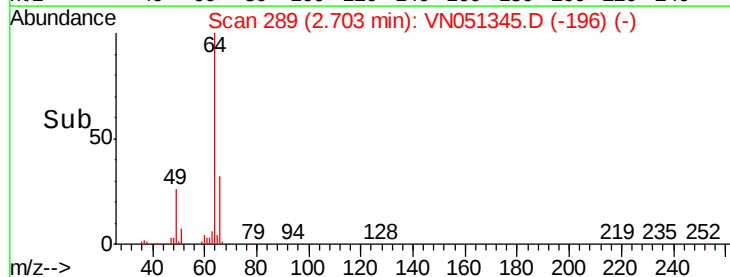
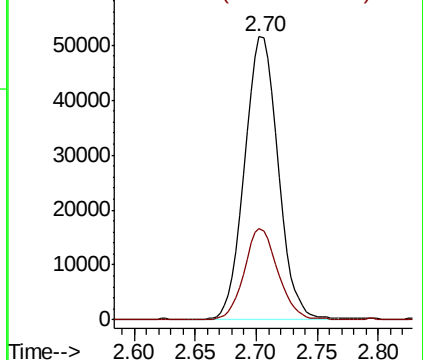
64 100

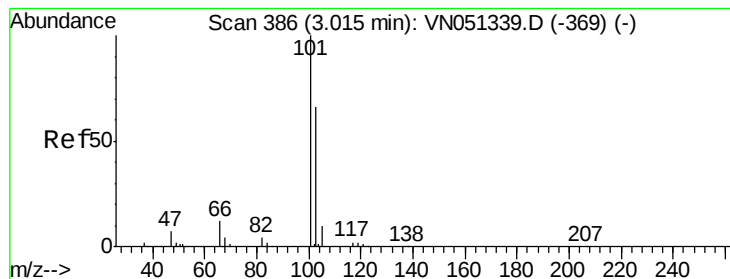
66 32.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



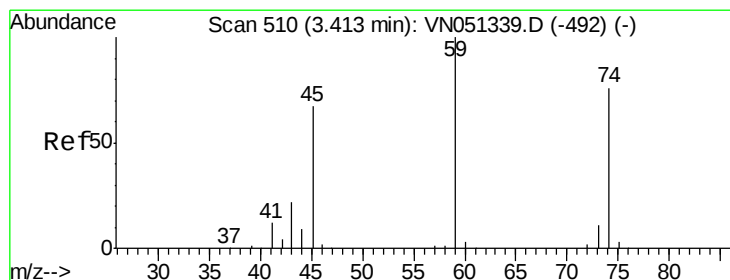
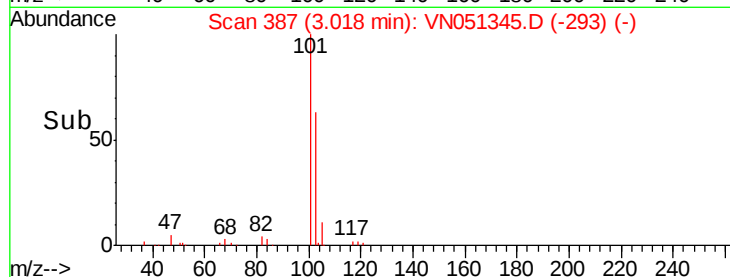
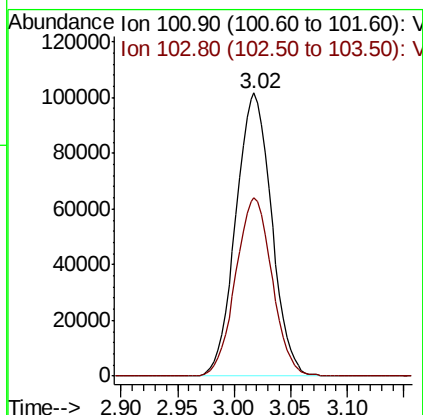
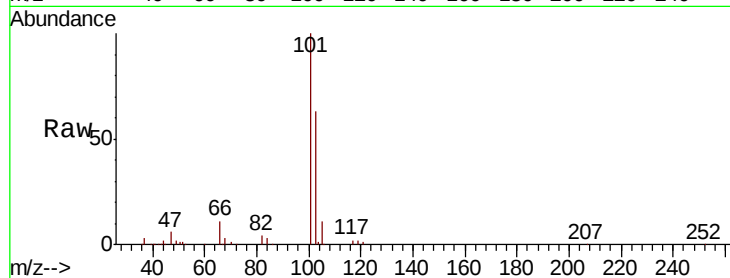


#7

Trichlorofluoromethane
 Concen: 19.29 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

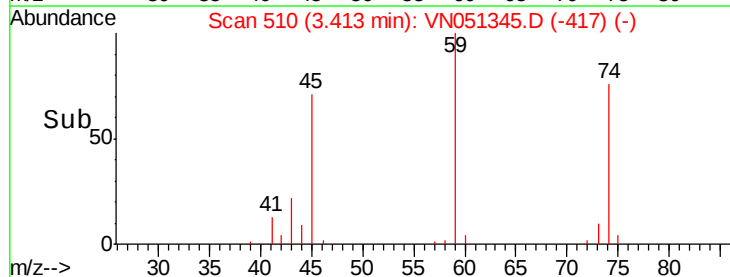
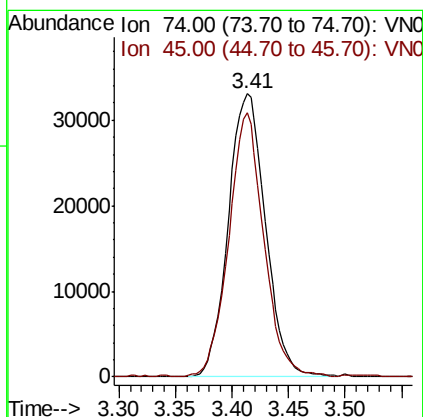
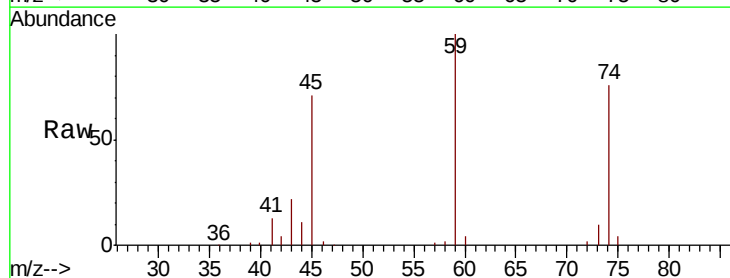
Tot Ion:101 Resp: 224050
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.7 79.1

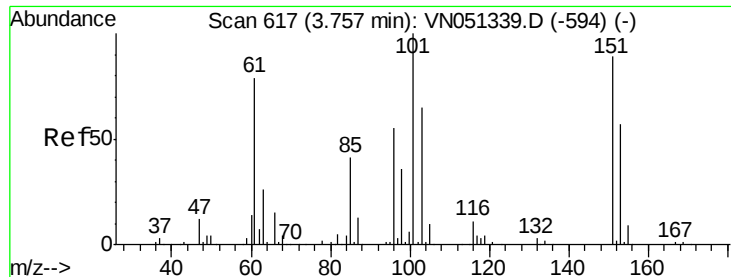


#8

Diethyl Ether
 Concen: 20.40 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion: 74 Resp: 75819
 Ion Ratio Lower Upper
 74 100
 45 87.9 44.1 132.4

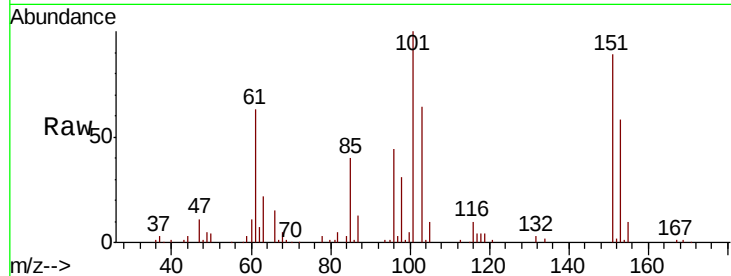




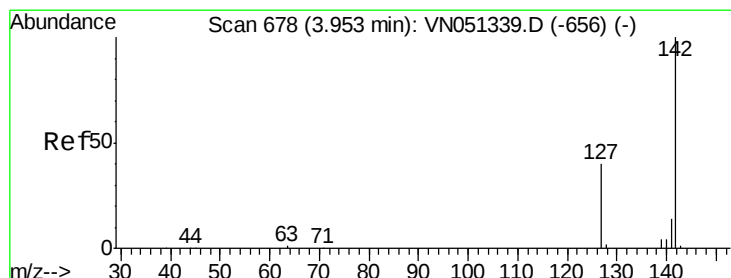
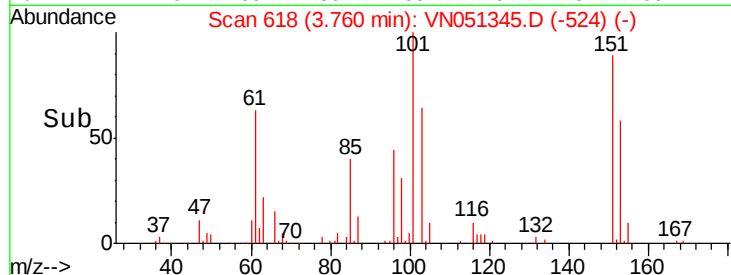
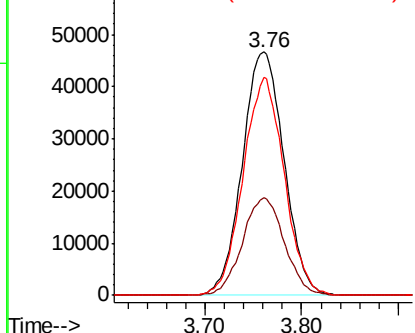
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.57 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tot Ion:101 Resp: 139487
 Ion Ratio Lower Upper
 101 100
 85 40.4 33.4 50.2
 151 88.4 71.8 107.6

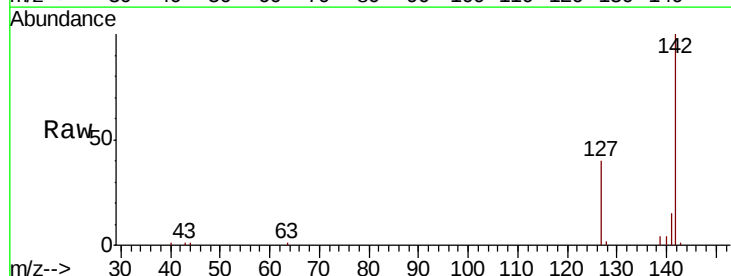


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

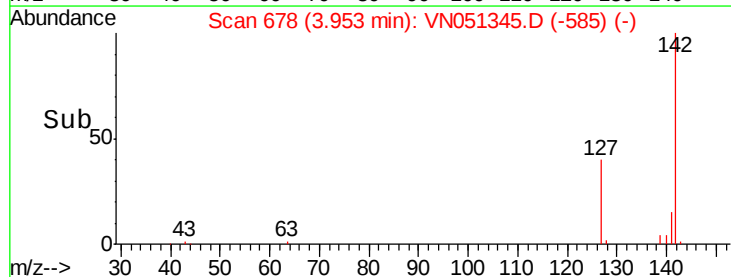
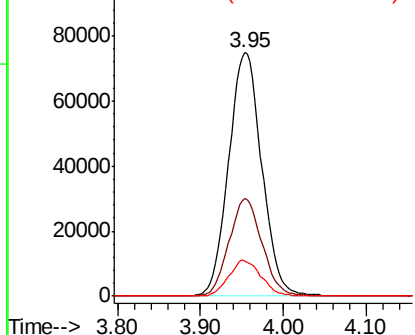


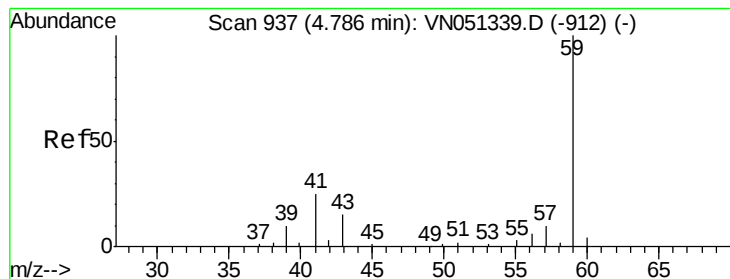
#10
 Methyl Iodide
 Concen: 19.74 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion:142 Resp: 208155
 Ion Ratio Lower Upper
 142 100
 127 39.8 31.9 47.9
 141 14.4 11.4 17.0



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



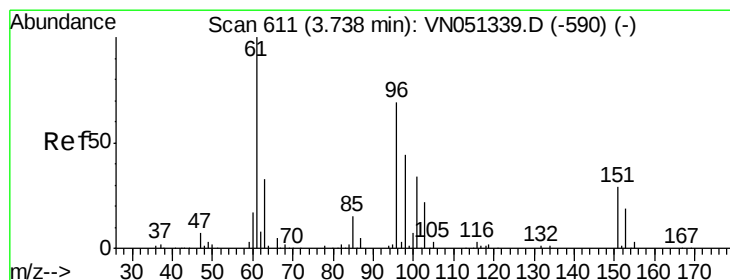
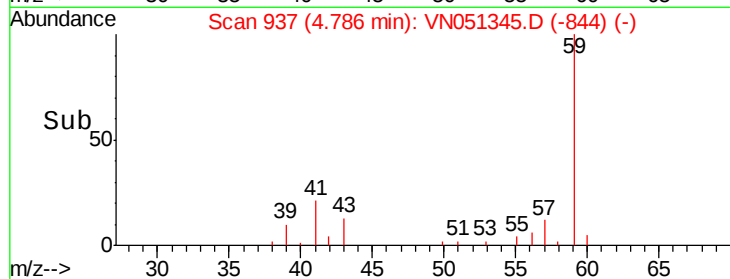
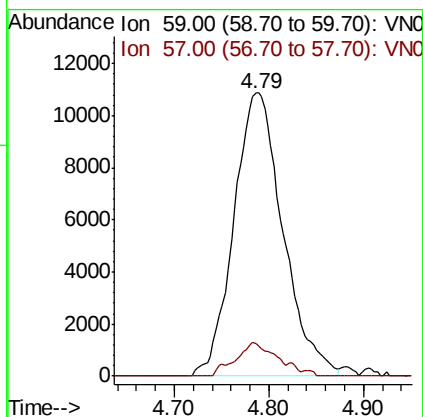
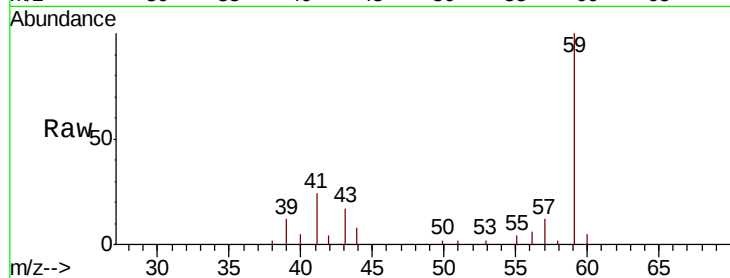


#11

Tert butyl alcohol
 Concen: 98.96 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

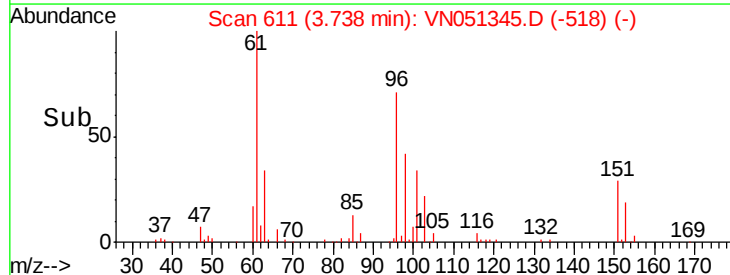
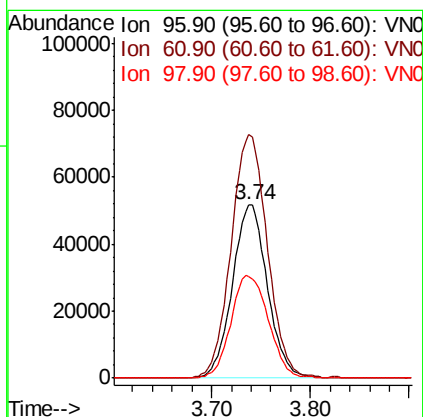
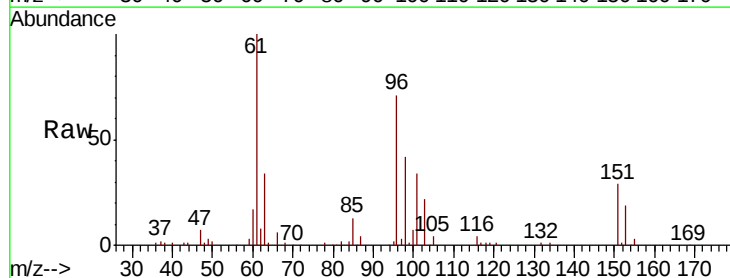
Tot Ion: 59 Resp: 39218
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.3 12.5

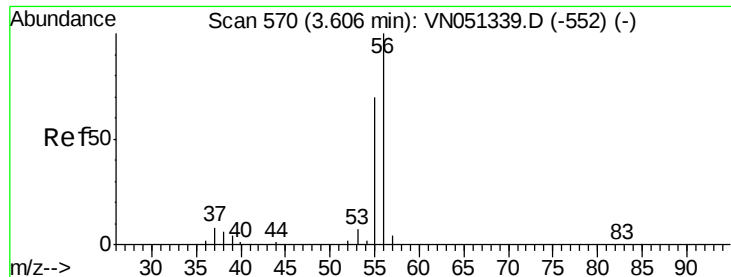


#12

1,1-Dichloroethene
 Concen: 19.80 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion: 96 Resp: 127716
 Ion Ratio Lower Upper
 96 100
 61 140.5 116.4 174.6
 98 58.6 50.9 76.3





#13

Acrolein

Concen: 106.10 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

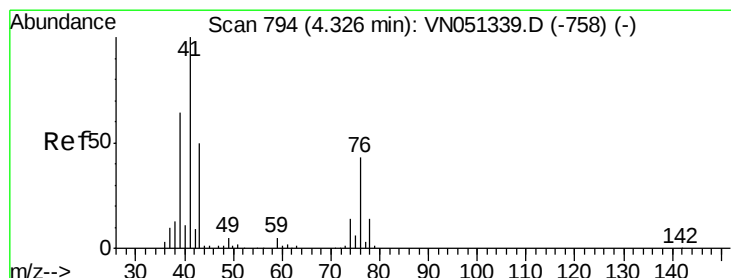
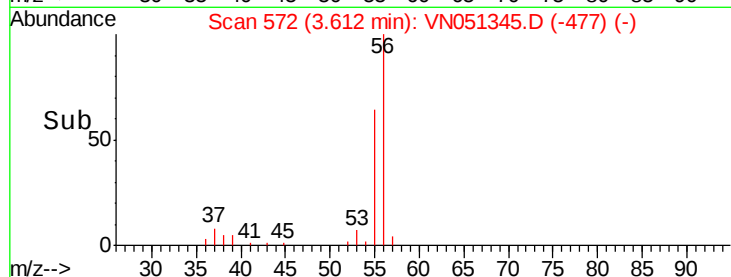
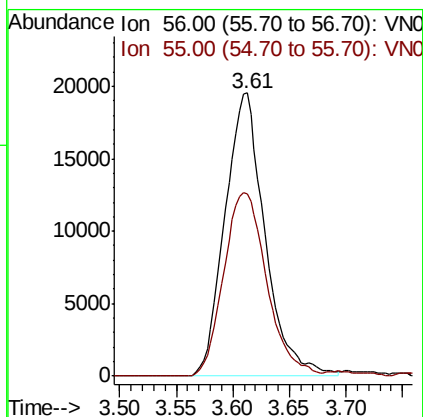
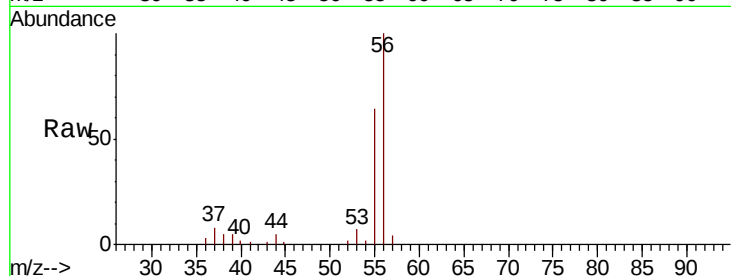
VN0920WBSD01

Tot Ion: 56 Resp: 48125

Ion Ratio Lower Upper

56 100

55 69.7 56.5 84.7



#14

Allyl chloride

Concen: 19.99 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

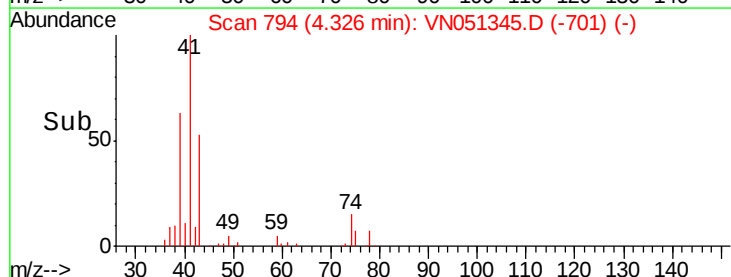
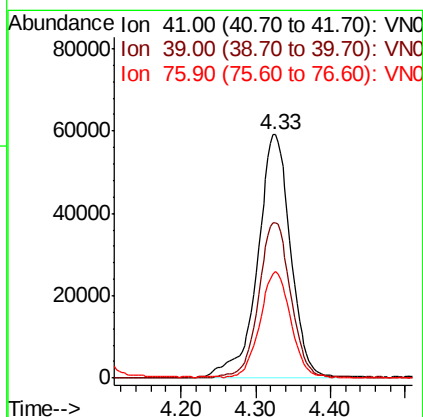
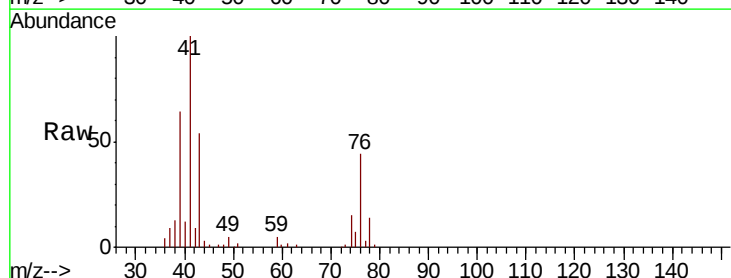
Tgt Ion: 41 Resp: 181762

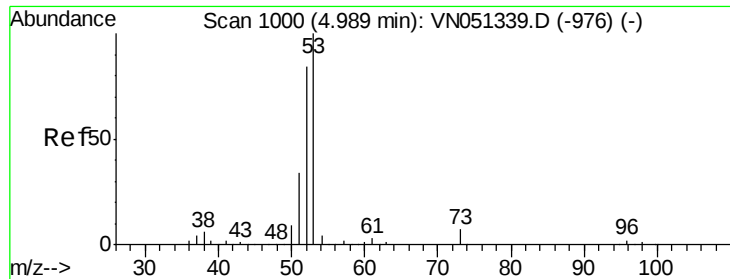
Ion Ratio Lower Upper

41 100

39 62.1 50.4 75.6

76 40.9 32.4 48.6





#15

Acrylonitrile

Concen: 99.49 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

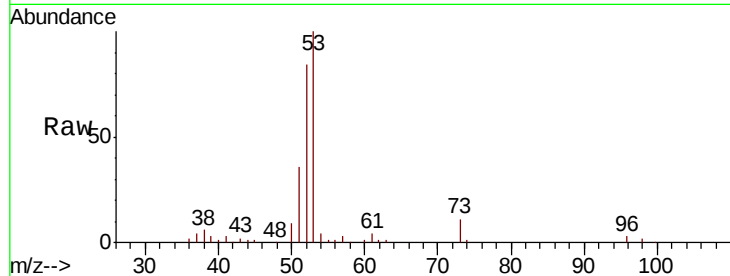
Tot Ion: 53 Resp: 199807

Ion Ratio Lower Upper

53 100

52 81.8 65.4 98.0

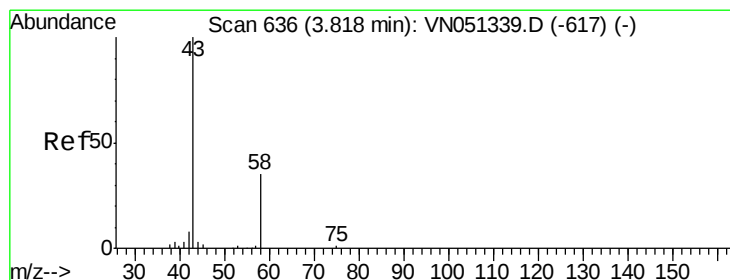
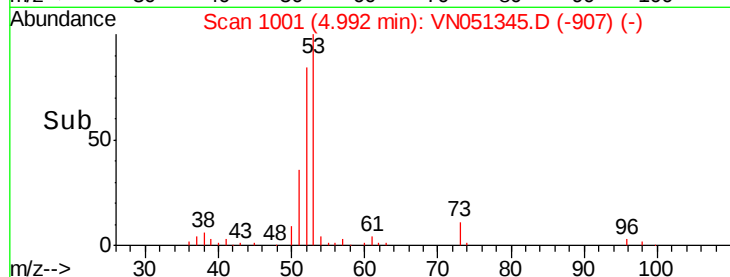
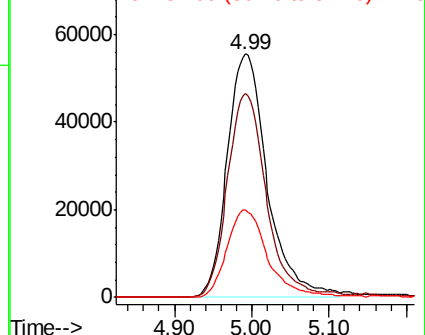
51 36.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.05 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051345.D

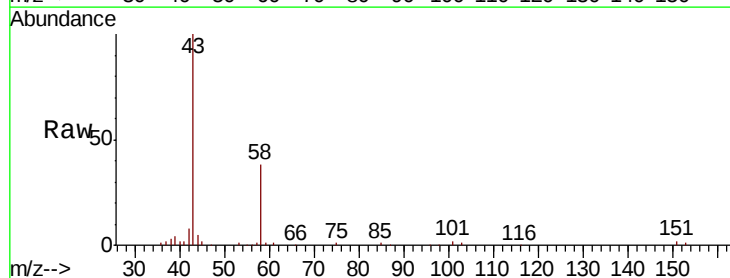
Acq: 20 Sep 2018 17:42

Tgt Ion: 43 Resp: 133677

Ion Ratio Lower Upper

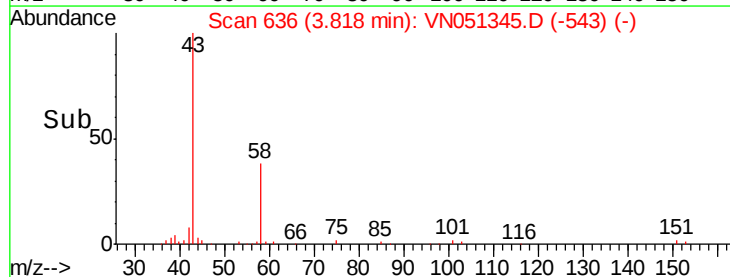
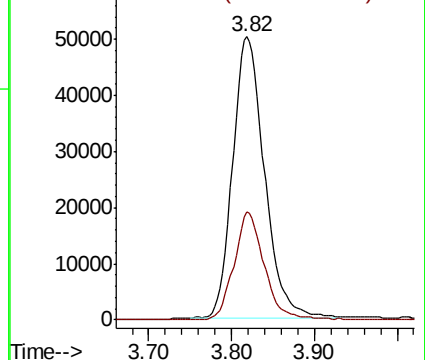
43 100

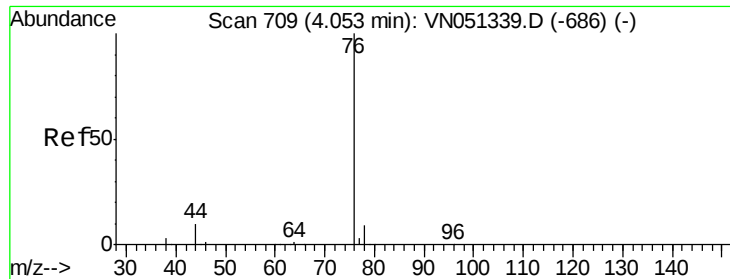
58 38.2 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

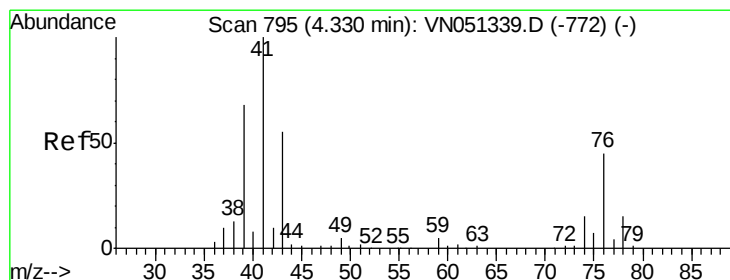
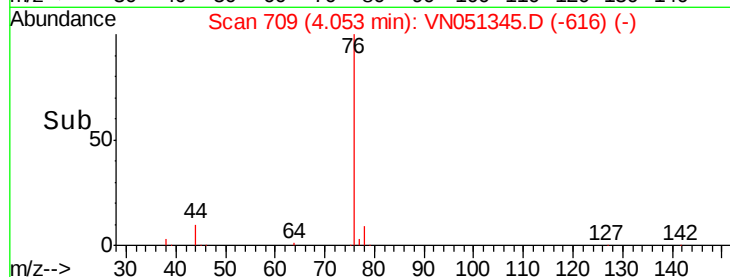
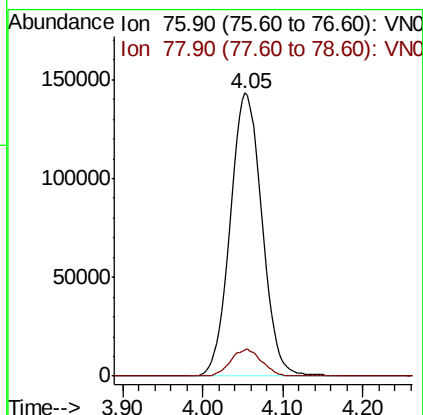
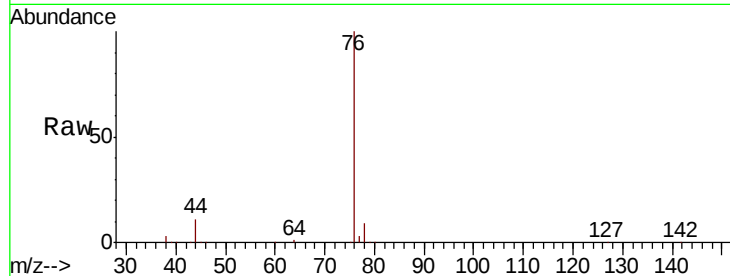




#17
Carbon Disulfide
Concen: 19.81 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

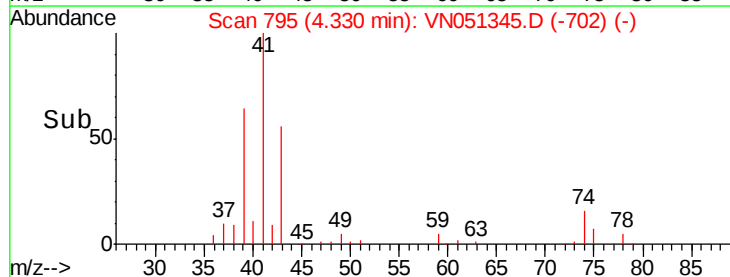
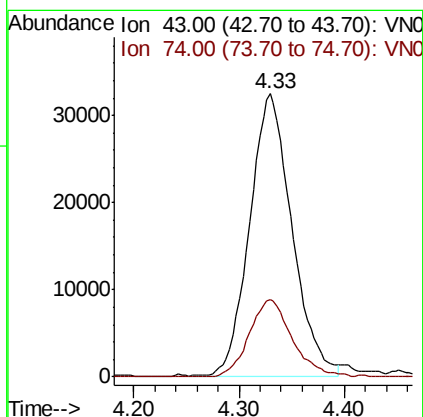
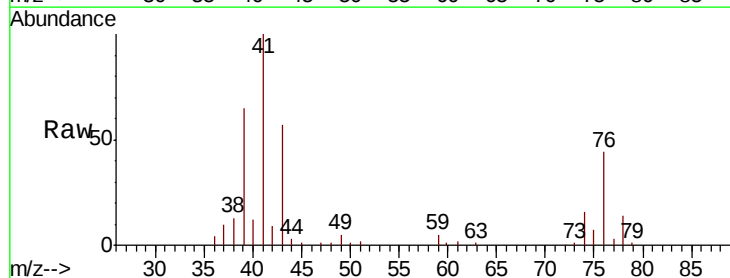
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

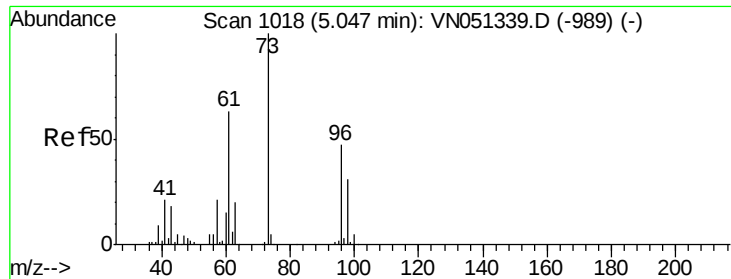
Tot Ion: 76 Resp: 385089
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 17.27 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 43 Resp: 91120
Ion Ratio Lower Upper
43 100
74 27.5 21.7 32.5

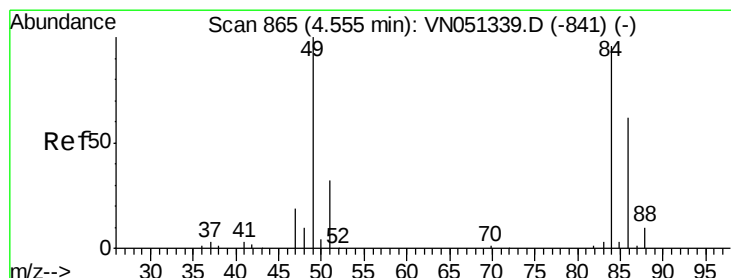
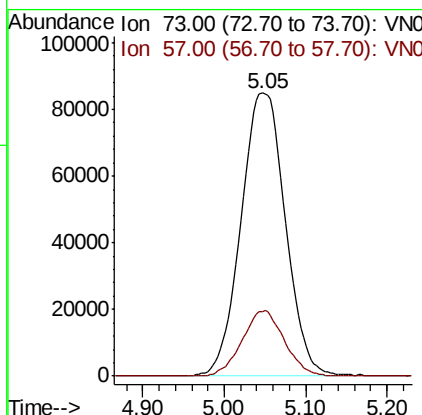
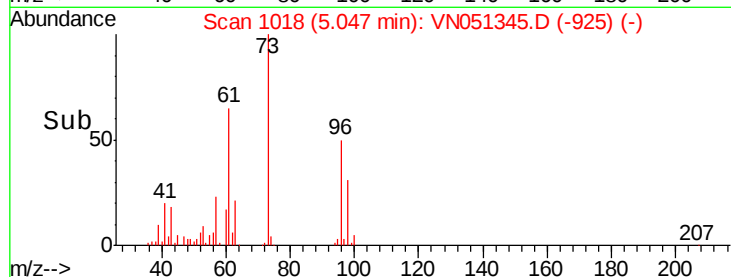
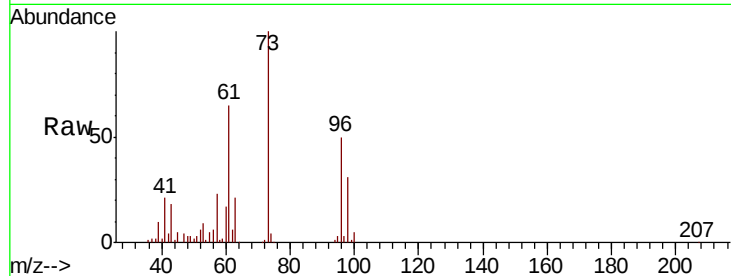




#19
Methvl tert-butvl Ether
Concen: 20.50 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

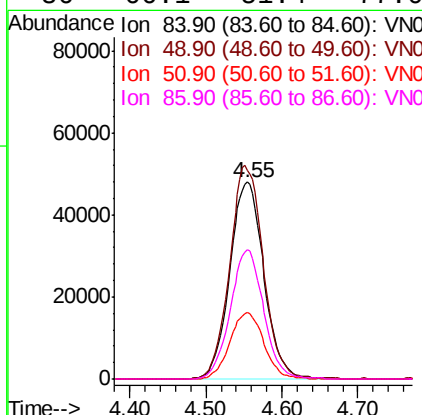
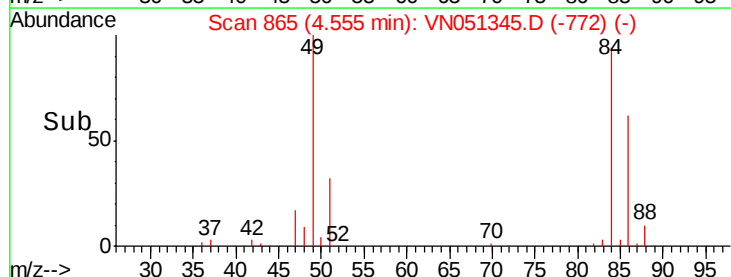
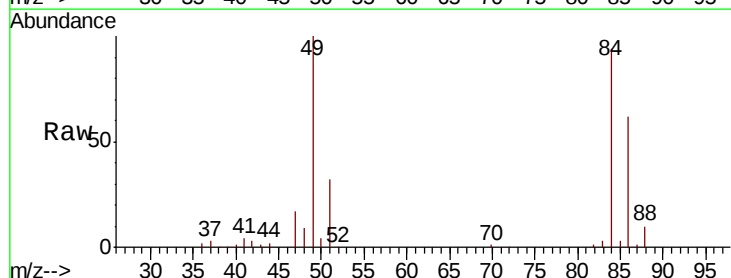
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

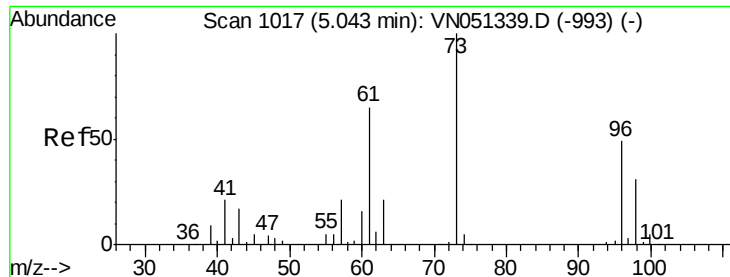
Tot Ion: 73 Resp: 320033
Ion Ratio Lower Upper
73 100
57 23.0 16.9 25.3



#20
Methylene Chloride
Concen: 19.43 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 84 Resp: 149324
Ion Ratio Lower Upper
84 100
49 106.3 83.2 124.8
51 34.1 26.4 39.6
86 66.1 51.4 77.0

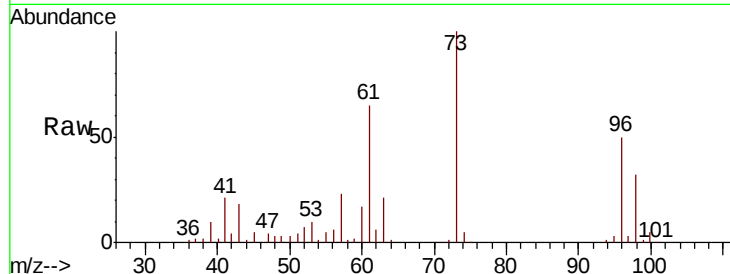




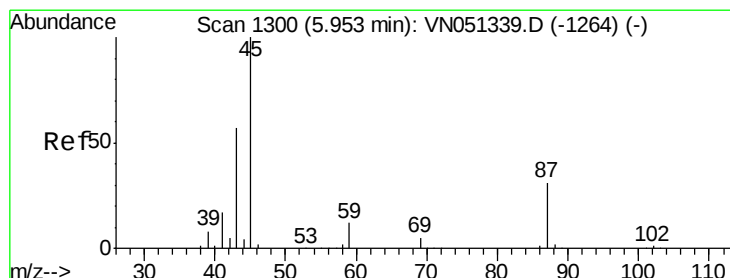
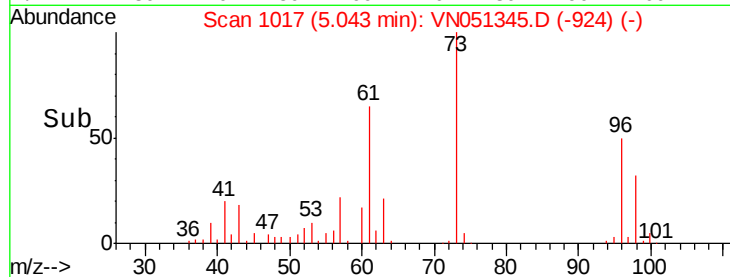
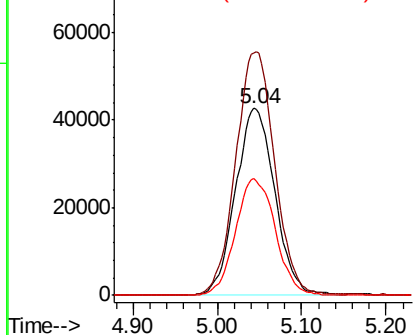
#21
trans-1,2-Dichloroethene
Concen: 20.39 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion: 96 Resp: 138932
Ion Ratio Lower Upper
96 100
61 129.7 106.2 159.4
98 62.8 51.0 76.6

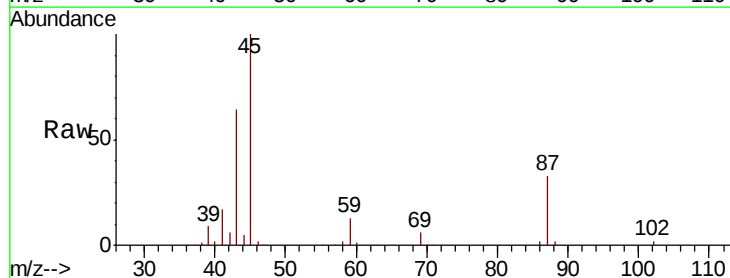


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

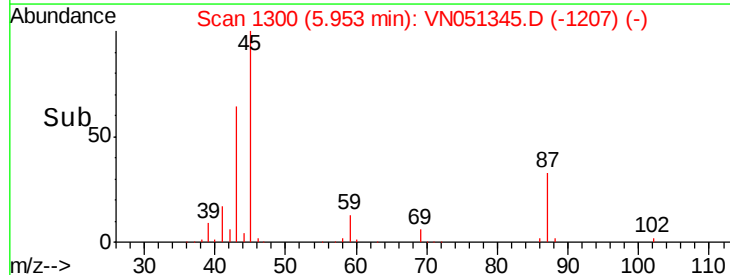
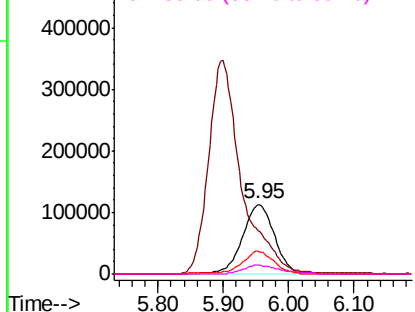


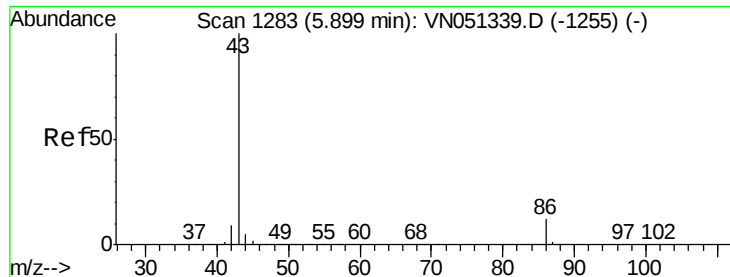
#22
Diisopropyl ether
Concen: 21.41 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 45 Resp: 384546
Ion Ratio Lower Upper
45 100
43 61.6 46.1 69.1
87 33.1 25.6 38.4
59 12.7 9.9 14.9



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: 104.84 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

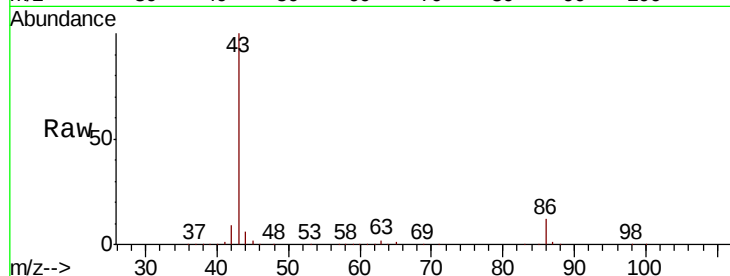
VN0920WBSD01

Tot Ion: 43 Resp: 1218059

Ion Ratio Lower Upper

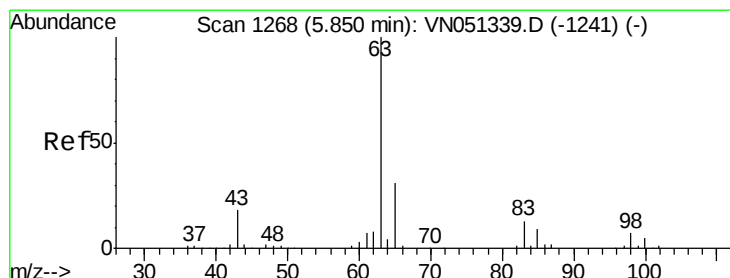
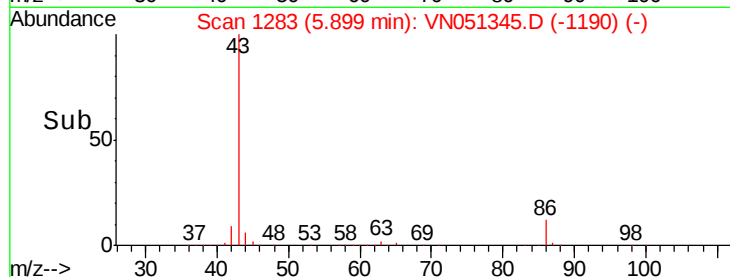
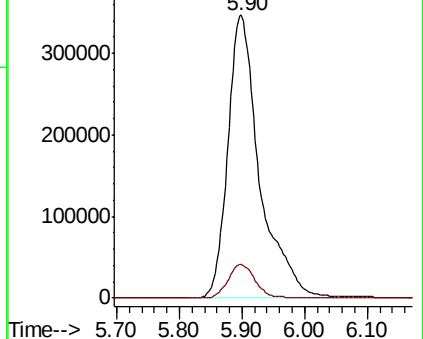
43 100

86 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.87 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

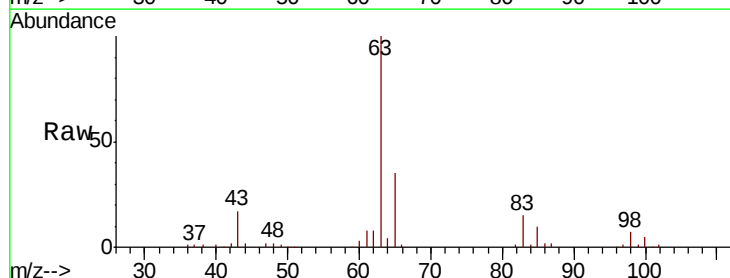
Tgt Ion: 63 Resp: 243244

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

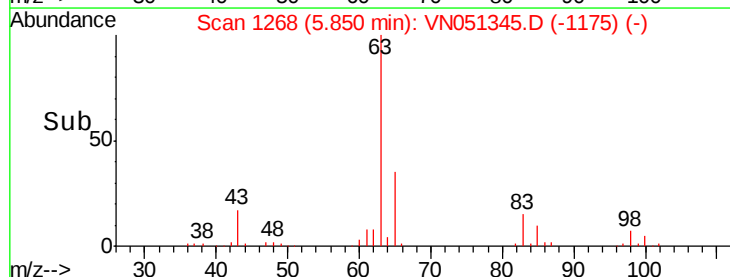
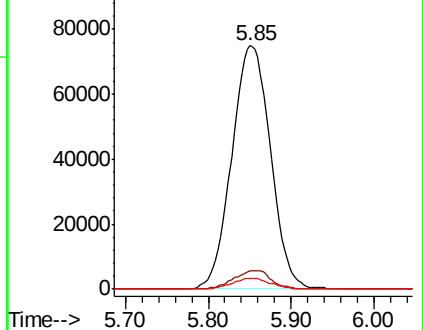
100 4.6 2.3 6.9

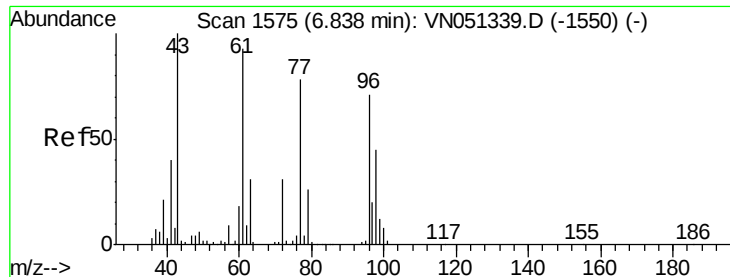


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.10 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

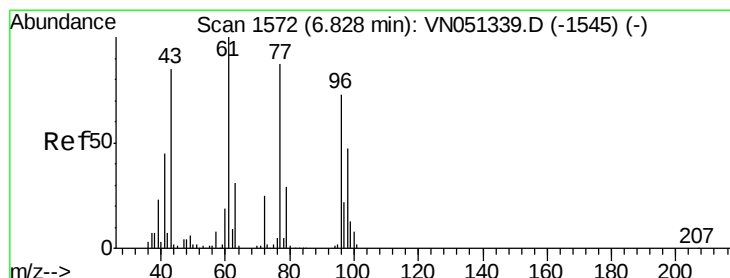
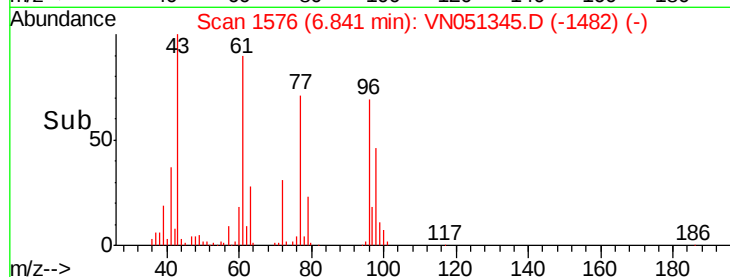
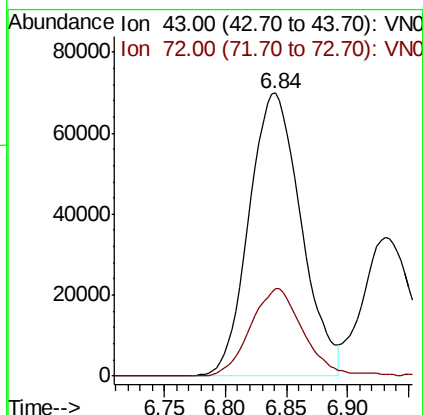
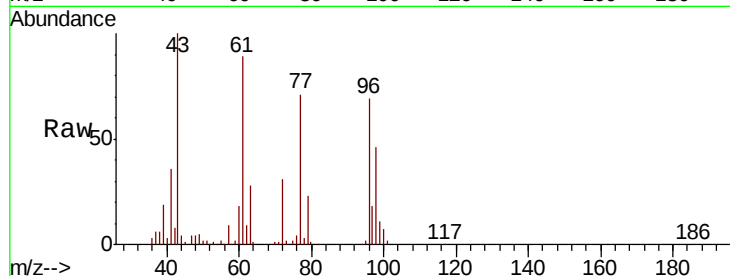
VN0920WBSD01

Tot Ion: 43 Resp: 207381

Ion Ratio Lower Upper

43 100

72 31.0 24.7 37.1



#26

2,2-Dichloropropane

Concen: 19.37 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051345.D

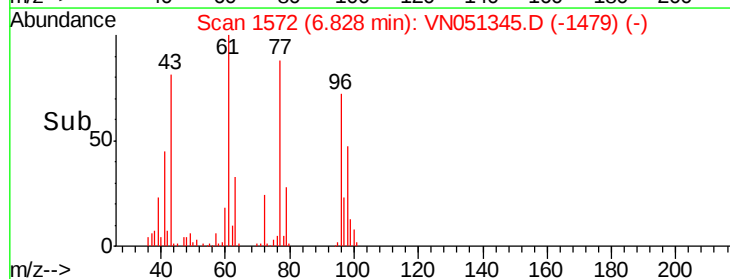
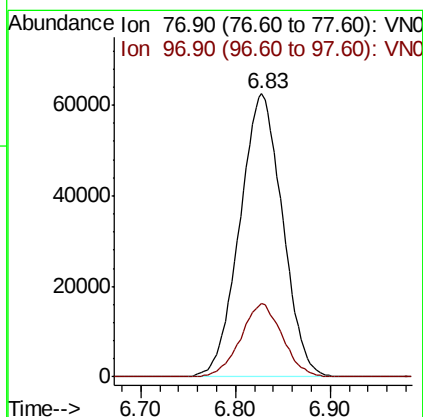
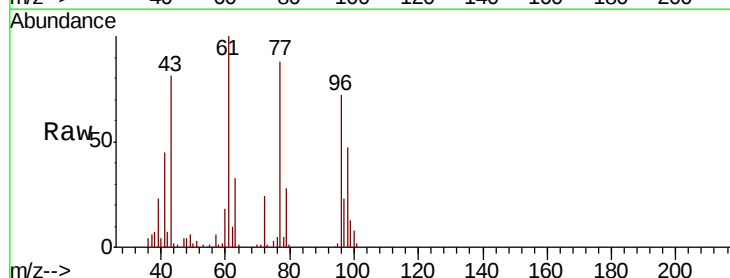
Acq: 20 Sep 2018 17:42

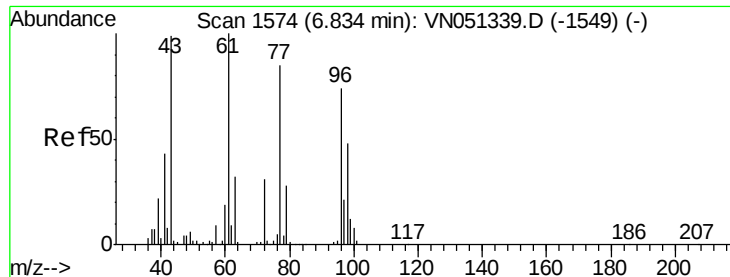
Tgt Ion: 77 Resp: 195960

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.35 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

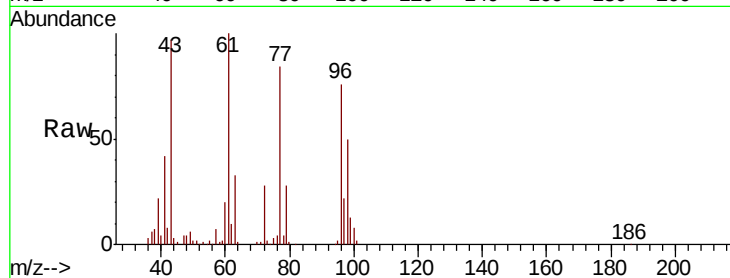
Tot Ion: 96 Resp: 153650

Ion Ratio Lower Upper

96 100

61 135.2 0.0 271.2

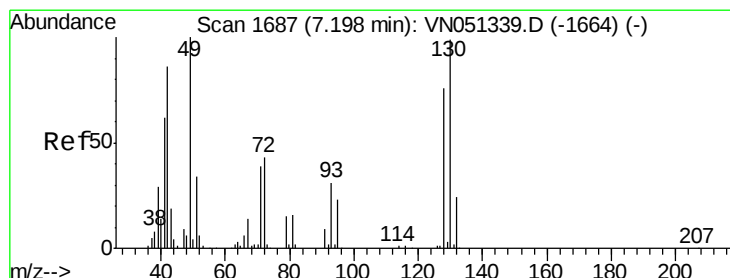
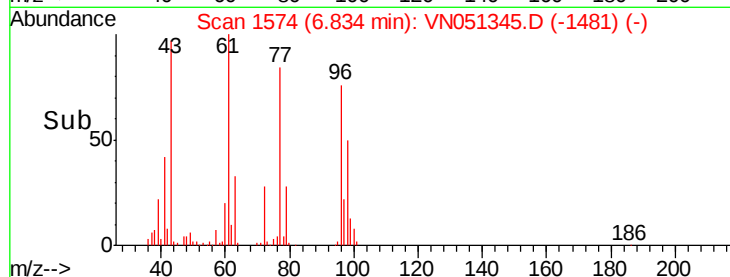
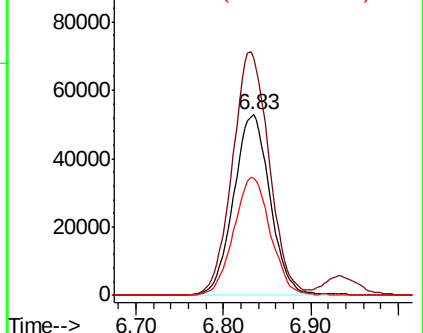
98 65.4 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.13 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

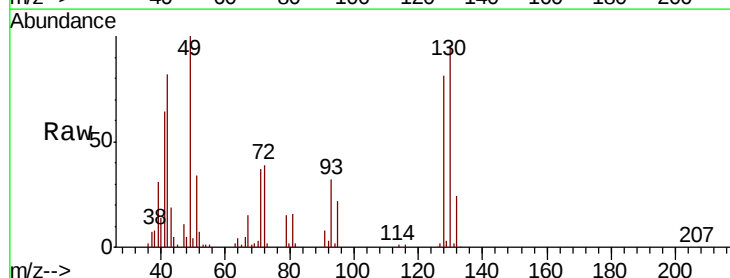
Tgt Ion: 49 Resp: 102167

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.0

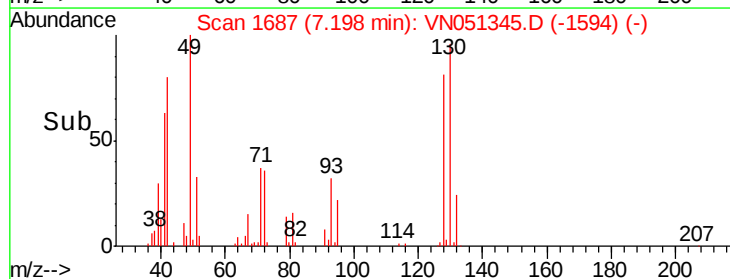
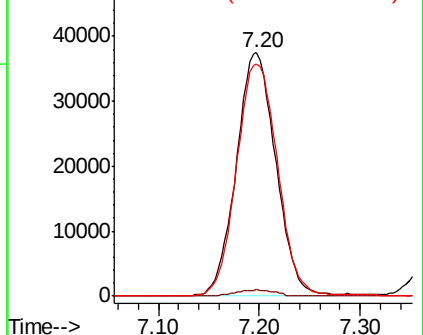
130 98.8 77.4 116.2

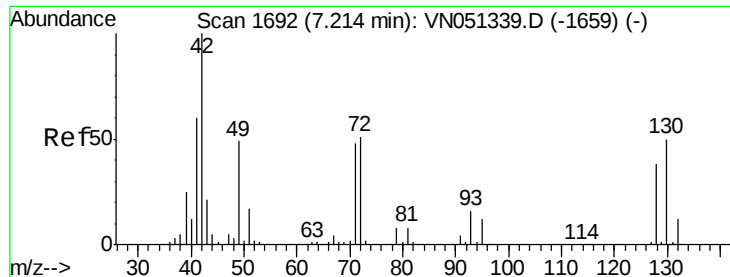


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.66 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

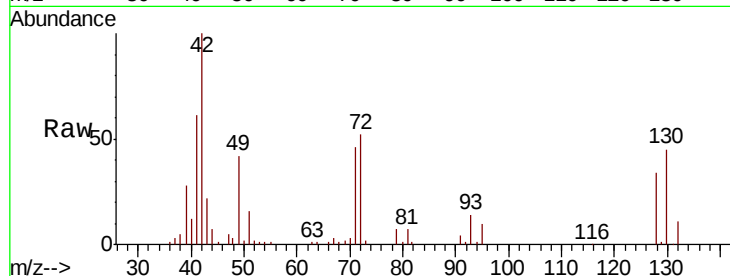
Tot Ion: 42 Resp: 138916

Ion Ratio Lower Upper

42 100

72 48.3 39.0 58.4

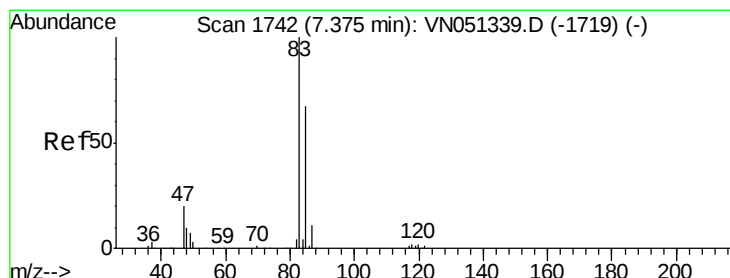
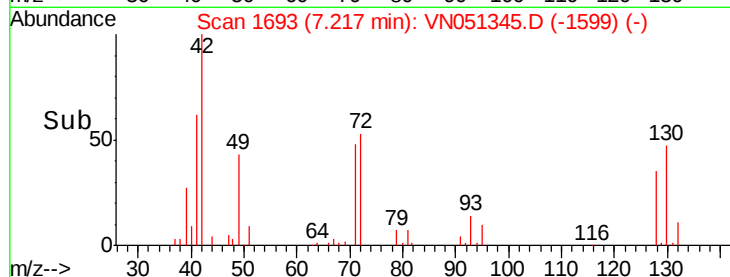
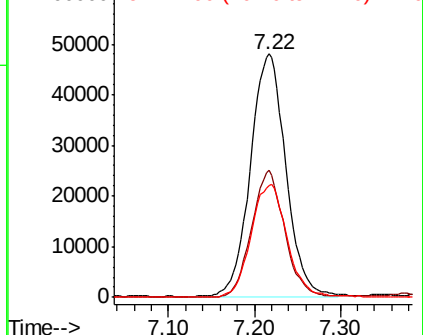
71 46.8 36.5 54.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.62 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051345.D

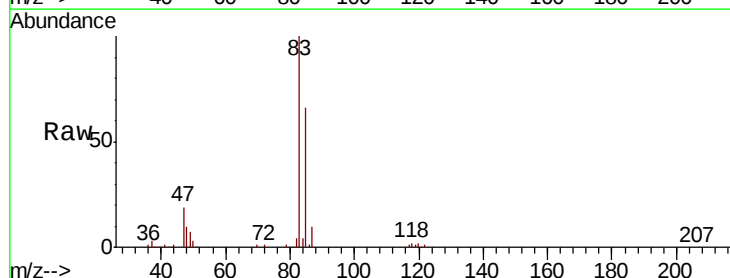
Acq: 20 Sep 2018 17:42

Tgt Ion: 83 Resp: 252418

Ion Ratio Lower Upper

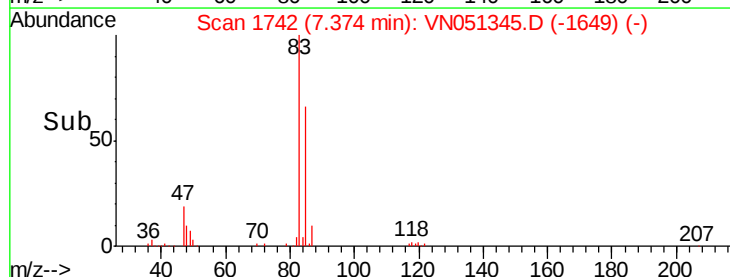
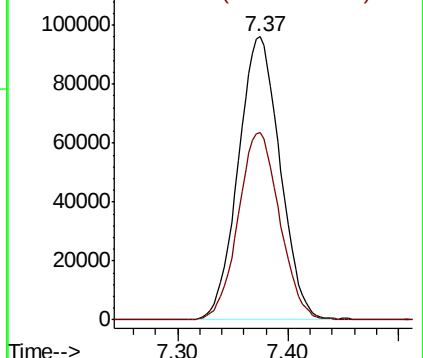
83 100

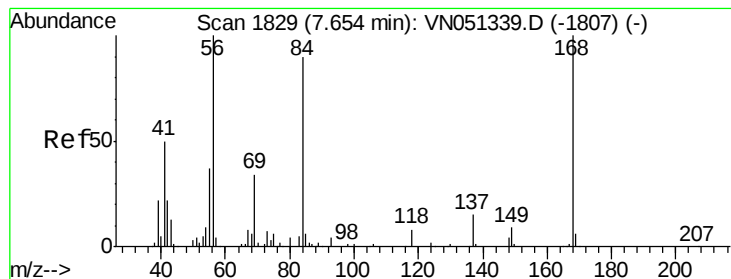
85 65.9 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.15 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

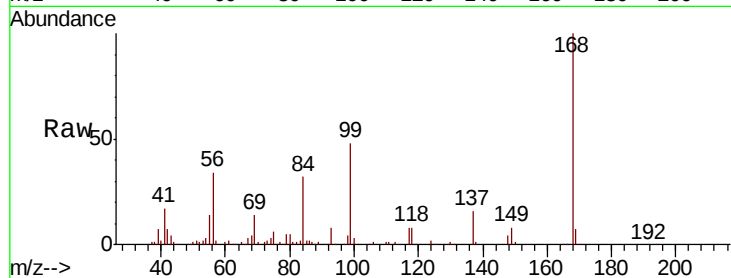
Tot Ion: 56 Resp: 218699

Ion Ratio Lower Upper

56 100

69 39.5 27.3 40.9

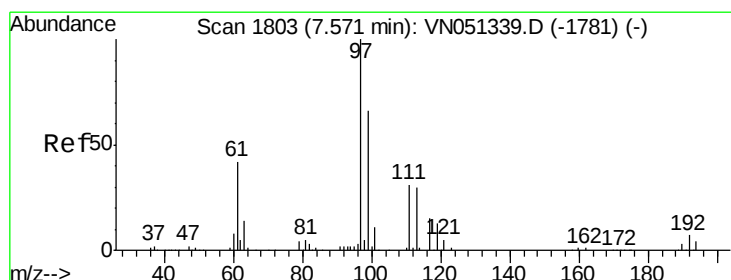
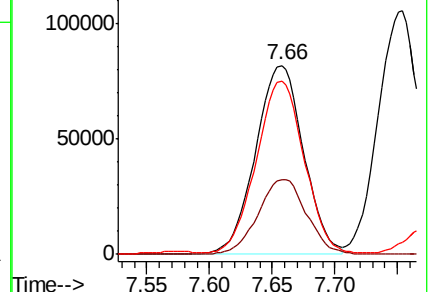
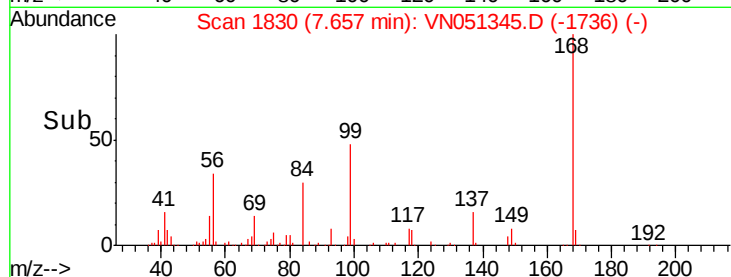
84 90.5 72.2 108.2



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: 19.96 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

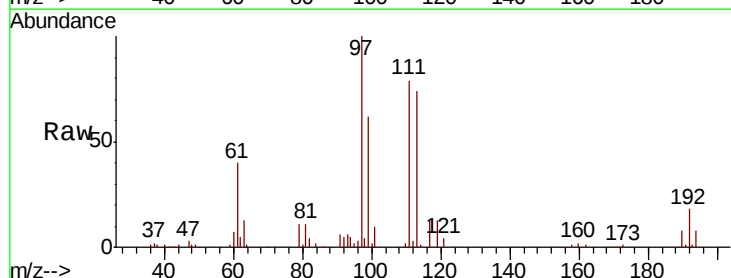
Tgt Ion: 97 Resp: 221340

Ion Ratio Lower Upper

97 100

99 63.8 51.1 76.7

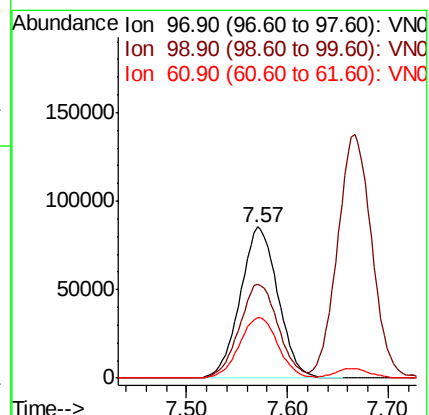
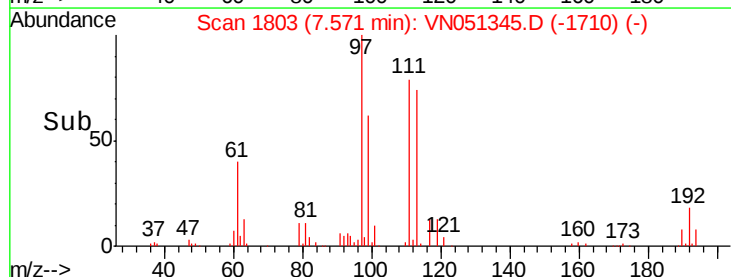
61 41.0 33.2 49.8

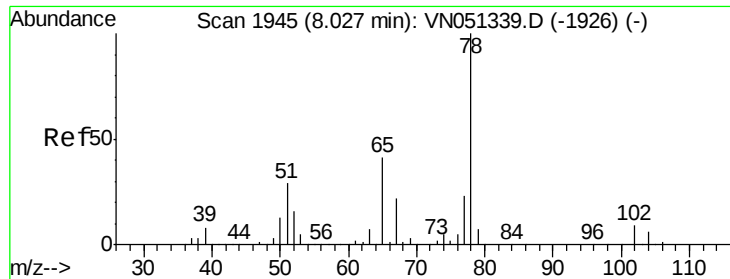


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

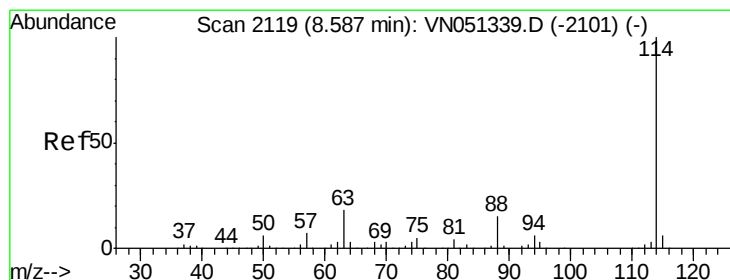
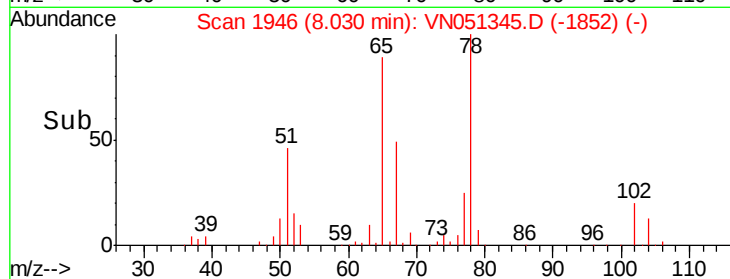
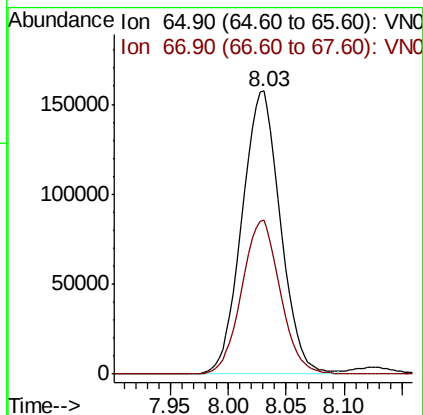
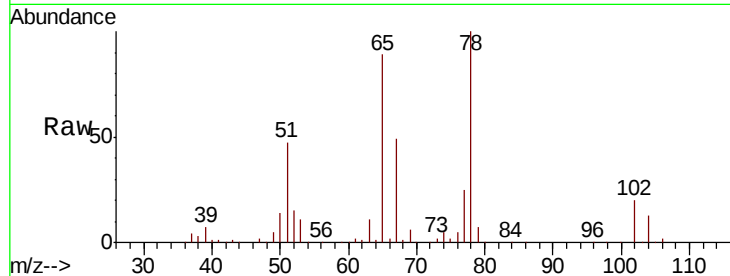




#33
 1,2-Dichloroethane-d4
 Concen: 48.68 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

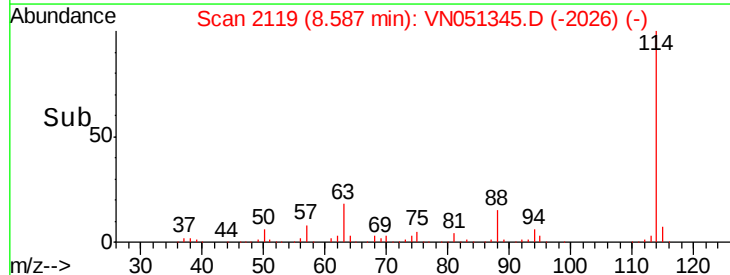
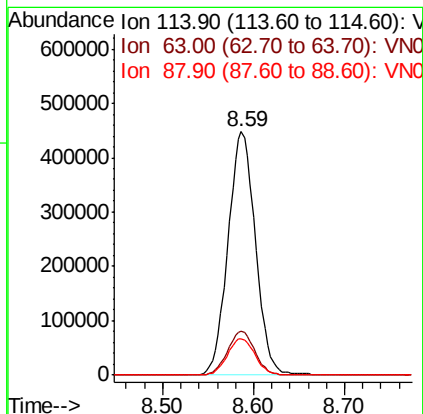
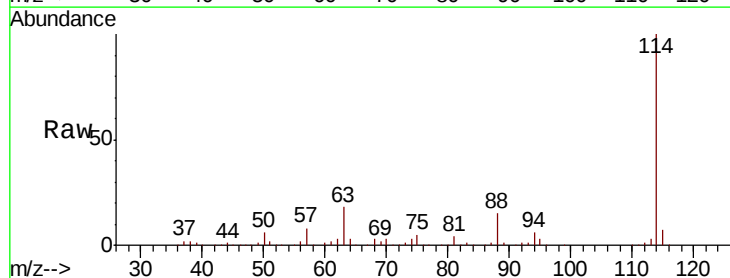
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

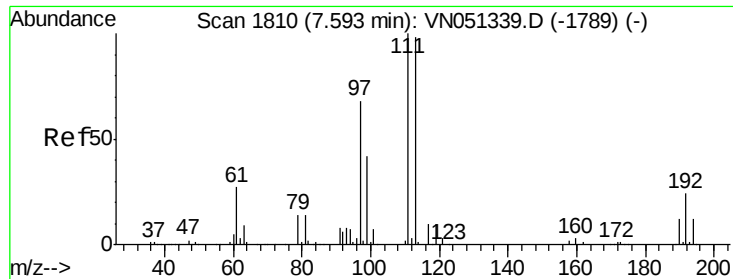
Tot Ion: 65 Resp: 363912
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion: 114 Resp: 936772
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.6
 88 15.1 0.0 29.8

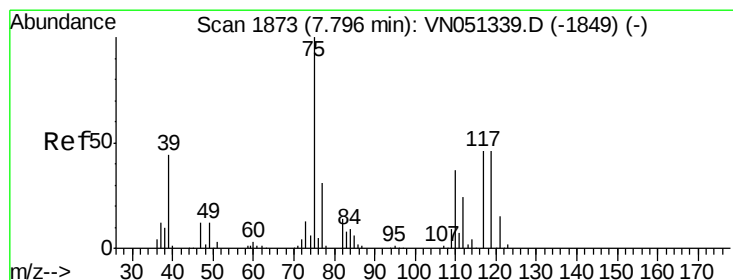
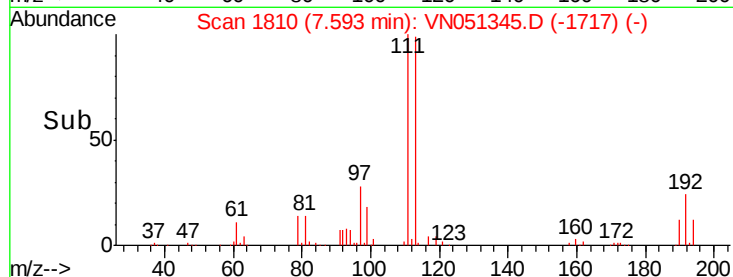
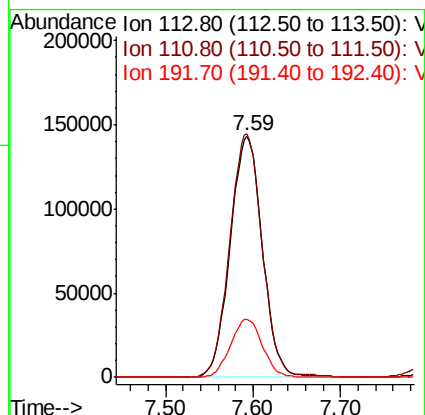
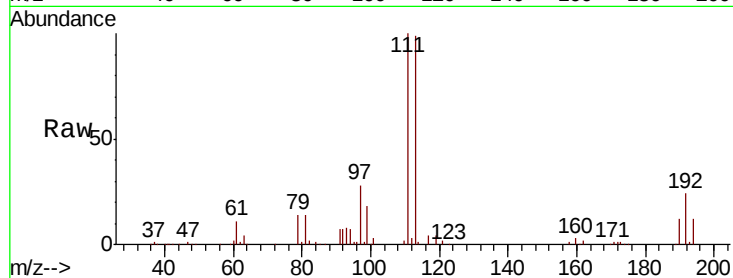




#35
 Dibromofluoromethane
 Concen: 48.20 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

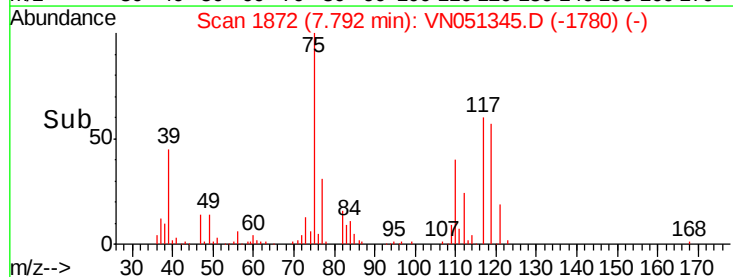
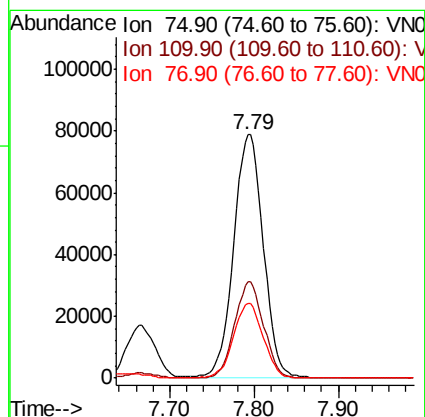
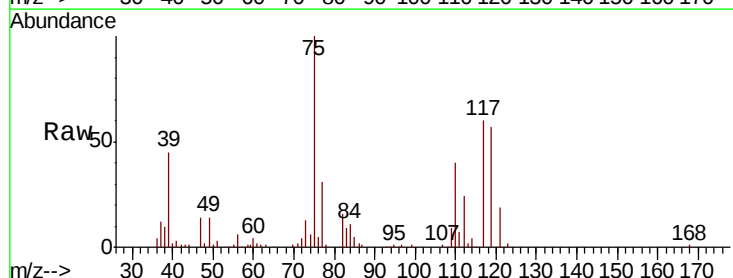
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

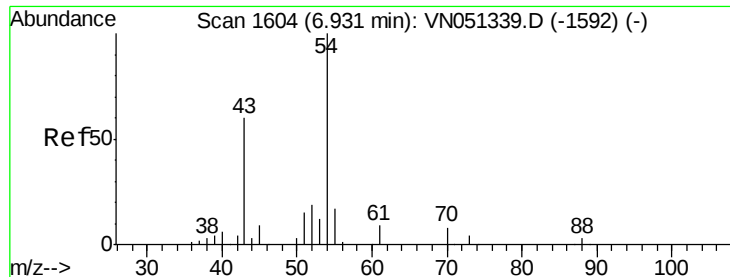
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	24.0	19.8	29.6



#36
 1,1-Dichloropropene
 Concen: 20.07 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.9	56.5
77	31.0	25.4	38.2

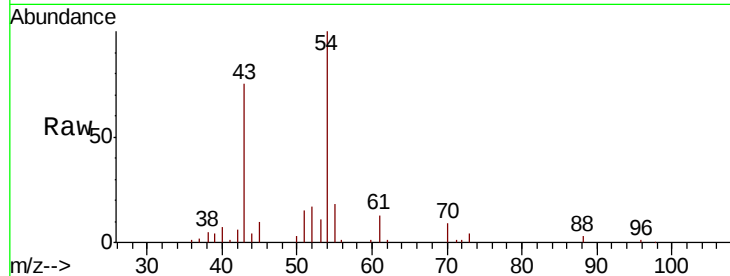




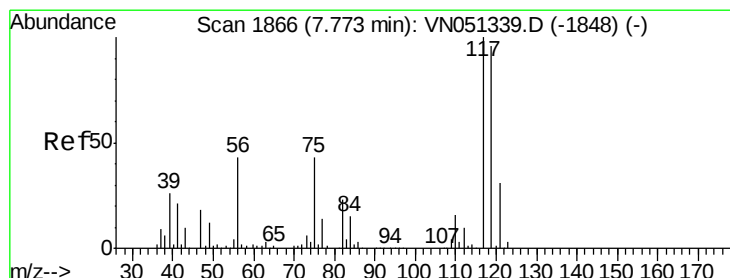
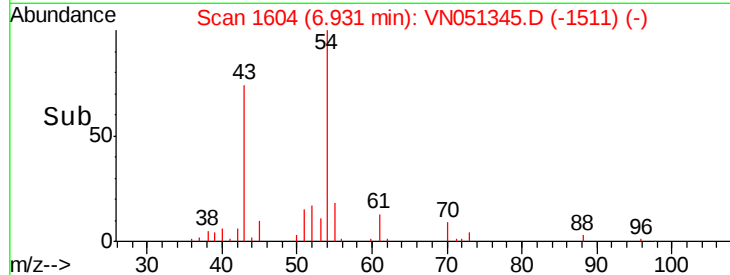
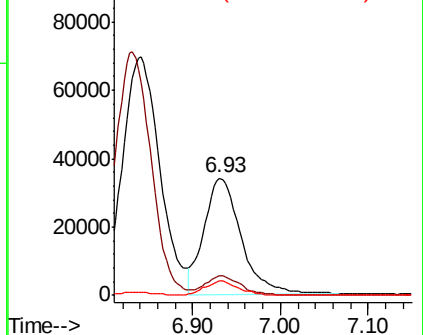
#37
Ethyl Acetate
Concen: 21.08 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Instrument :
MSVOA_N
ClientSampleID :
VN0920WBSD01

Tot Ion: 43 Resp: 99979
Ion Ratio Lower Upper
43 100
61 15.5 13.6 20.4
70 11.2 9.4 14.2

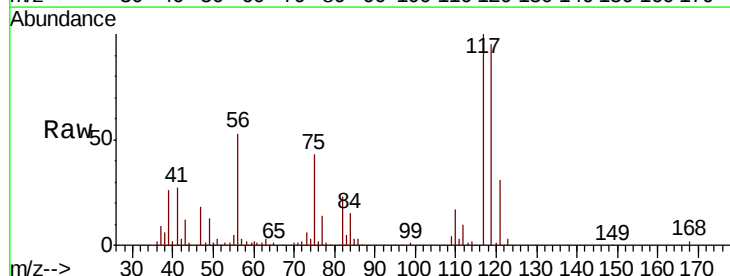


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

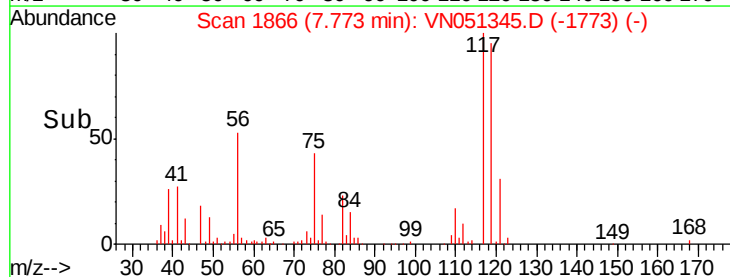
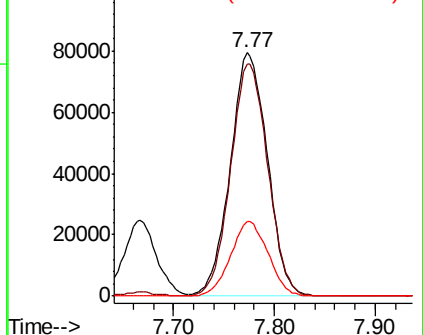


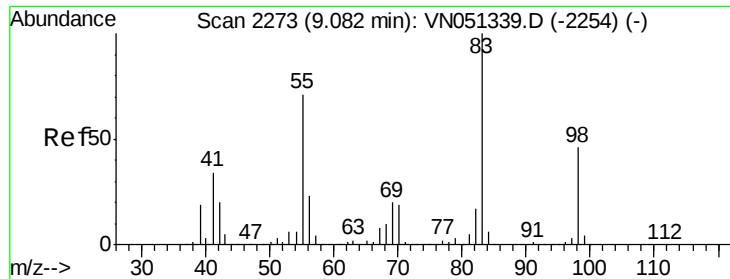
#38
Carbon Tetrachloride
Concen: 19.58 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 117 Resp: 203016
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.4
121 30.8 25.0 37.4



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

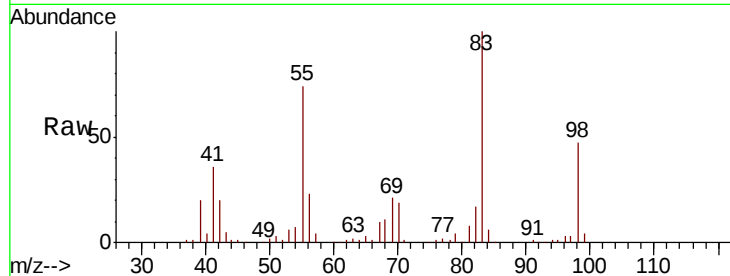




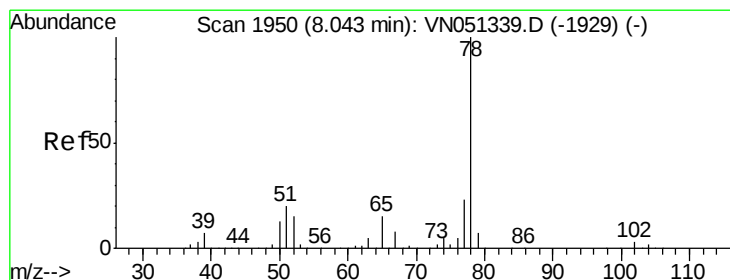
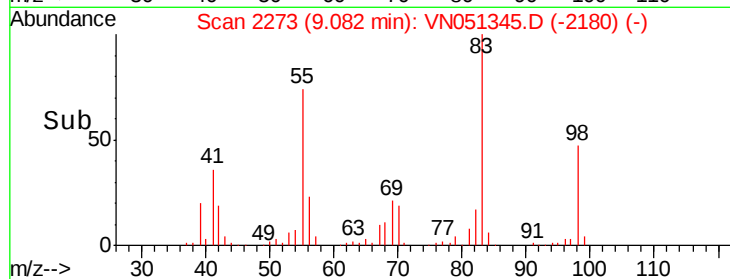
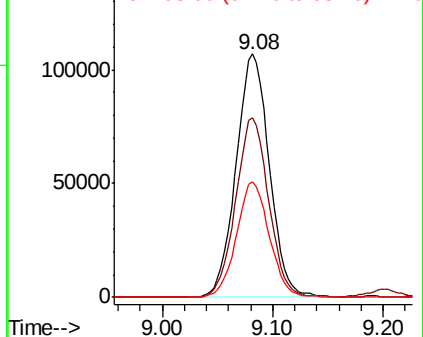
#39
Methvlcvclohexane
Concen: 20.02 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion: 83 Resp: 223891
Ion Ratio Lower Upper
83 100
55 73.6 56.5 84.7
98 47.2 36.7 55.1

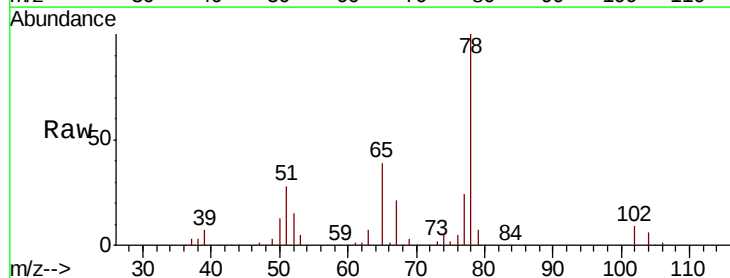


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

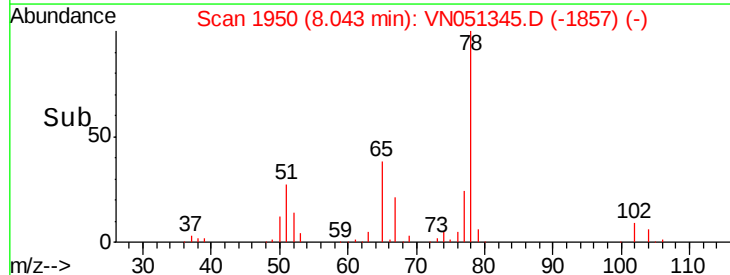
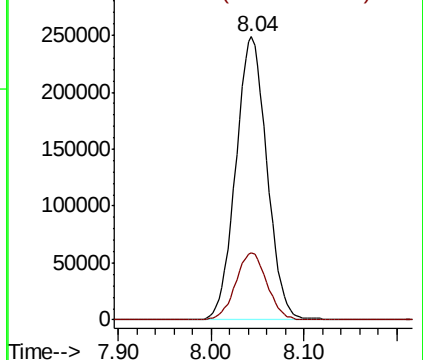


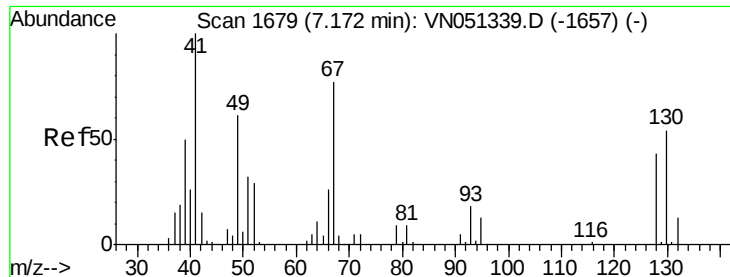
#40
Benzene
Concen: 20.08 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 78 Resp: 579647
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7



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





#41

Methacrylonitrile

Concen: 19.84 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 41 Resp: 49023

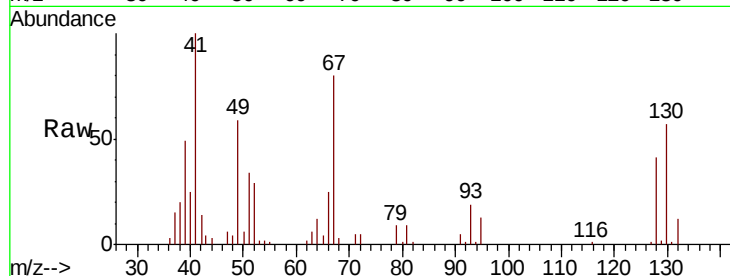
Ion Ratio Lower Upper

41 100

39 51.2 51.3 76.9#

67 97.7 77.0 115.4

52 37.7 30.4 45.6

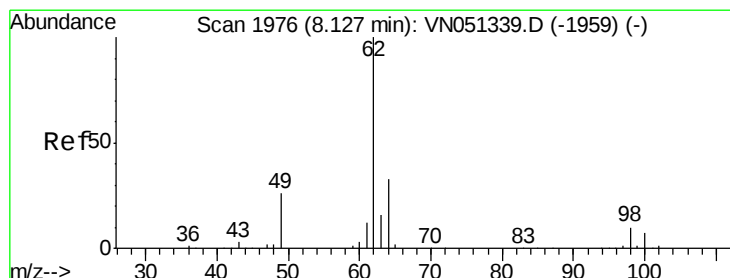
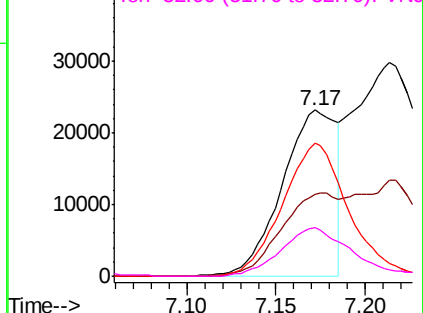
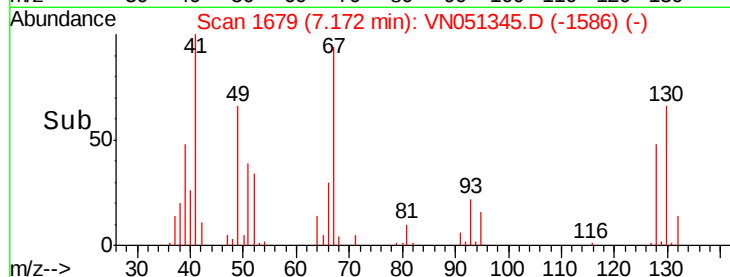


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.58 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN051345.D

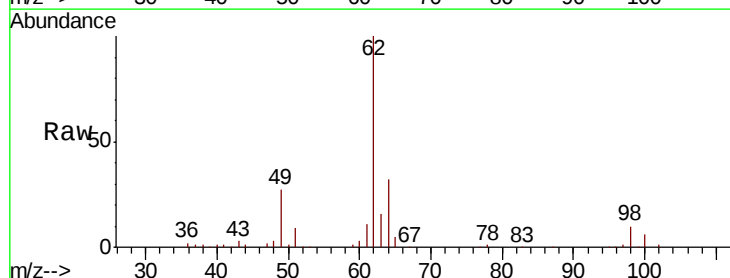
Acq: 20 Sep 2018 17:42

Tgt Ion: 62 Resp: 170742

Ion Ratio Lower Upper

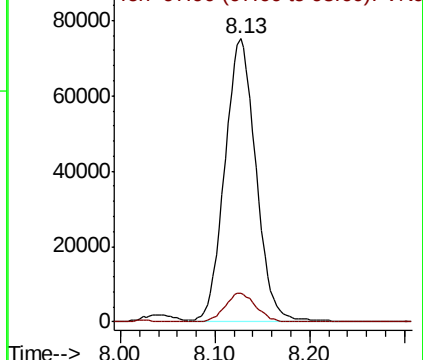
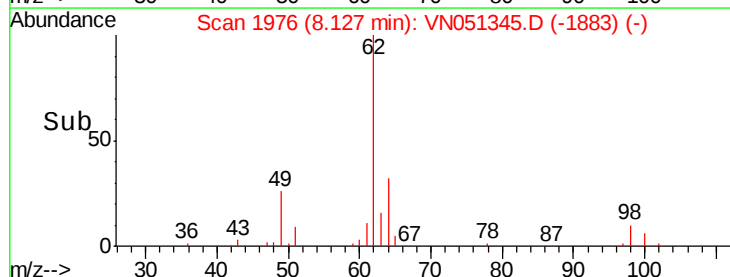
62 100

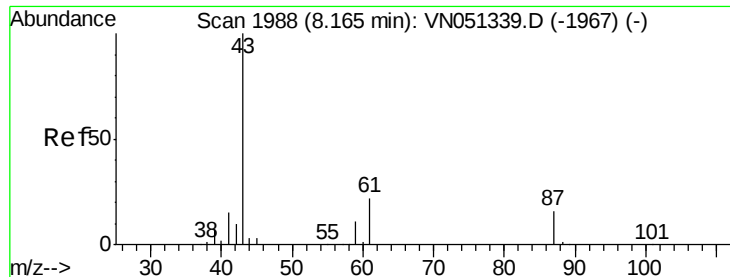
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.26 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

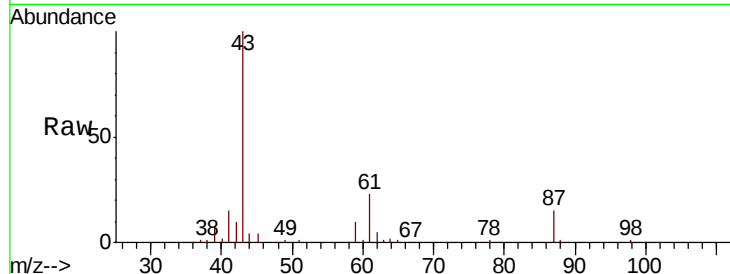
MSVOA_N

ClientSampleId :

VN0920WBSD01

Tot Ion: 43 Resp: 176650

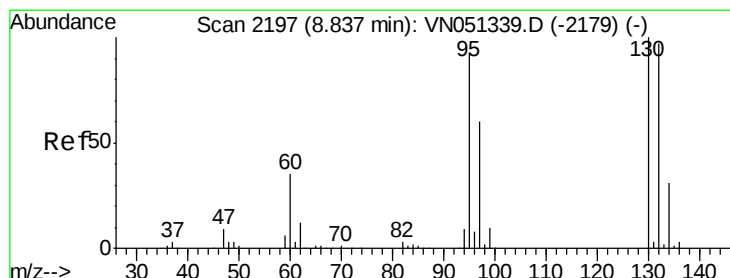
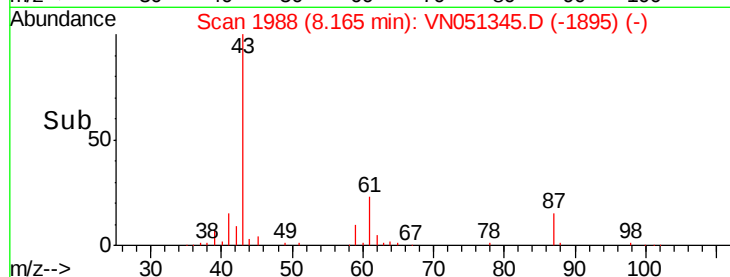
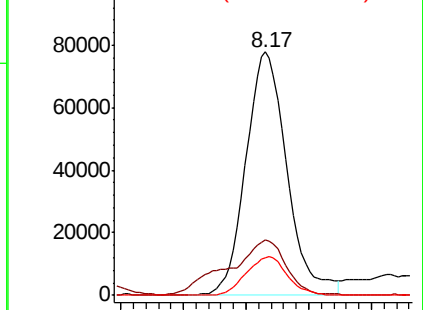
Ion	Ratio	Lower	Upper
43	100		
61	32.4	18.1	27.1#
87	15.8	12.8	19.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.87 ug/l

RT: 8.84 min Scan# 2197

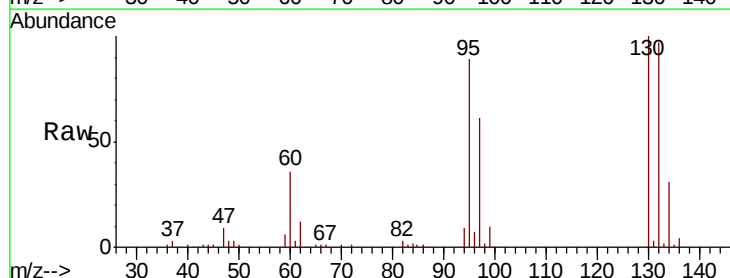
Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

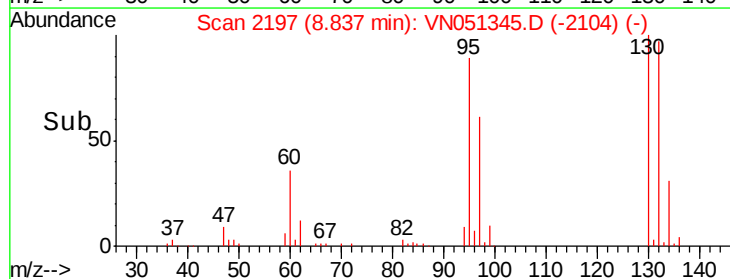
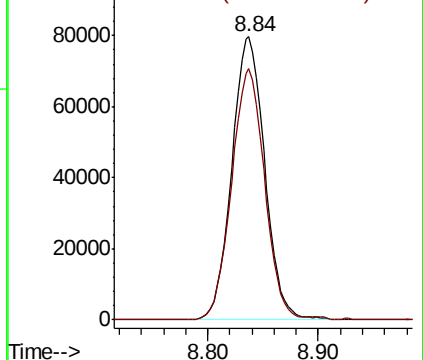
Tgt Ion:130 Resp: 164711

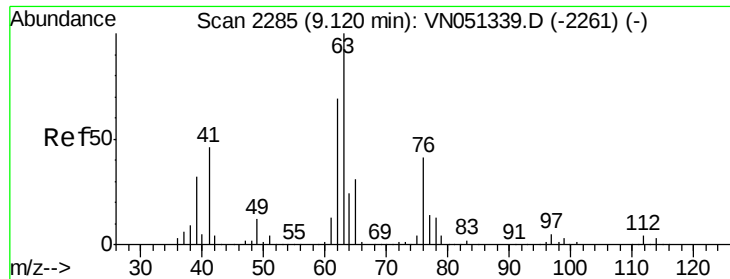
Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.25 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

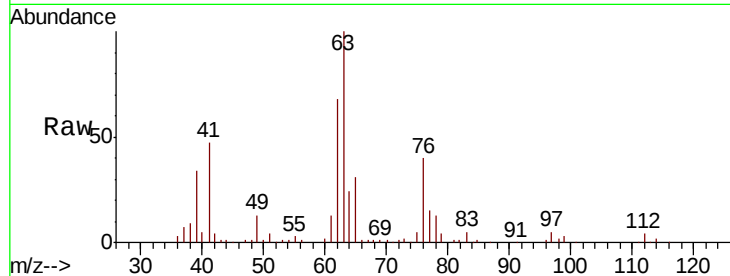
VN0920WBSD01

Tot Ion: 63 Resp: 149614

Ion Ratio Lower Upper

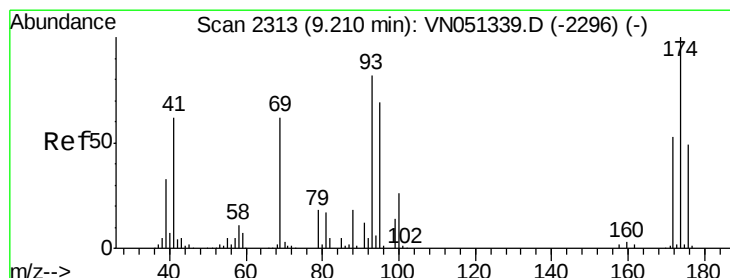
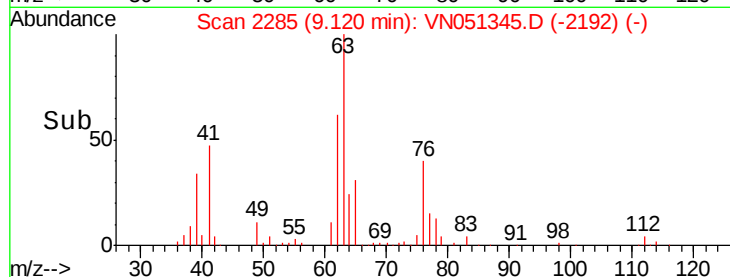
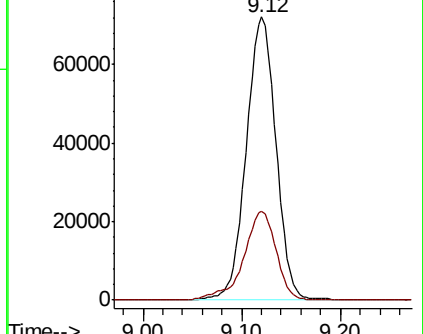
63 100

65 31.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.87 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

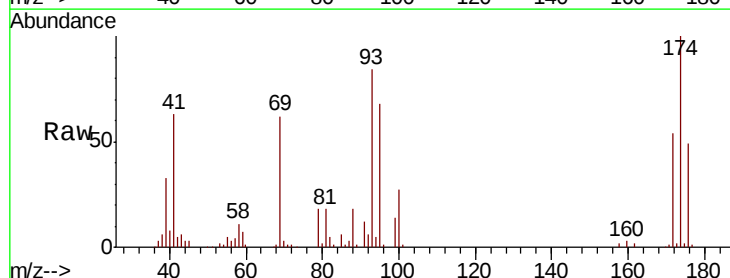
Tgt Ion: 93 Resp: 90477

Ion Ratio Lower Upper

93 100

95 84.4 67.6 101.4

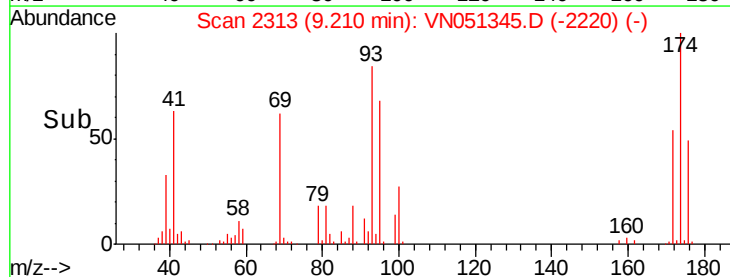
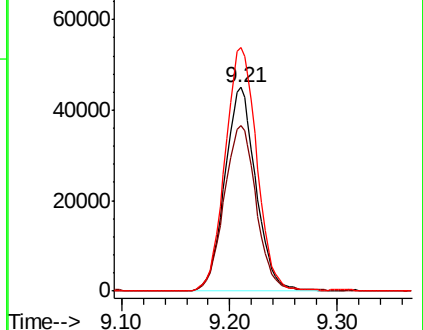
174 121.8 98.9 148.3

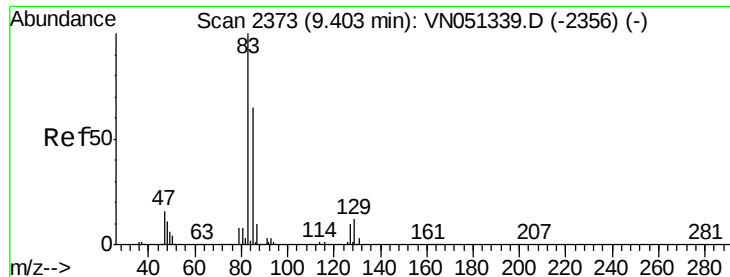


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.38 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

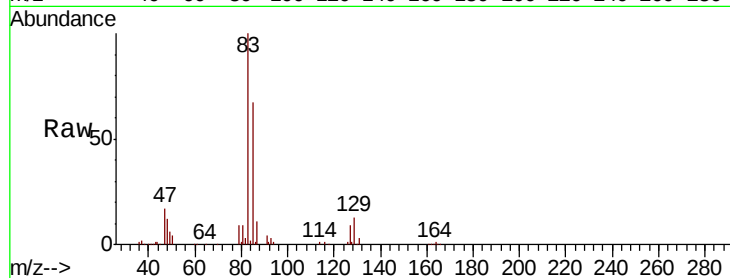
Tot Ion: 83 Resp: 188284

Ion Ratio Lower Upper

83 100

85 67.2 51.6 77.4

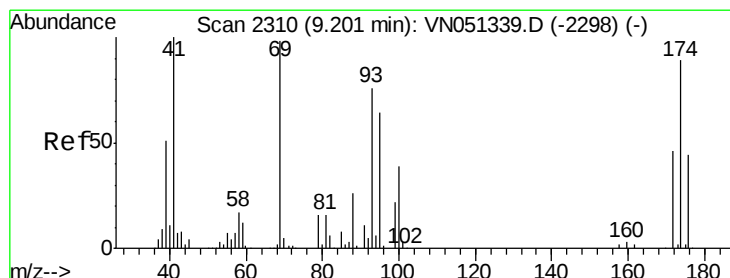
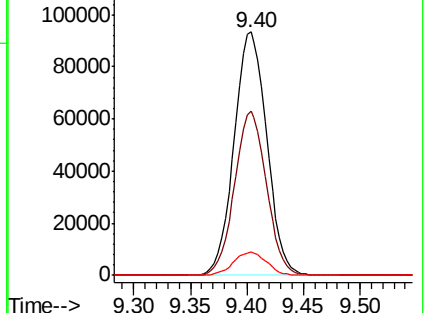
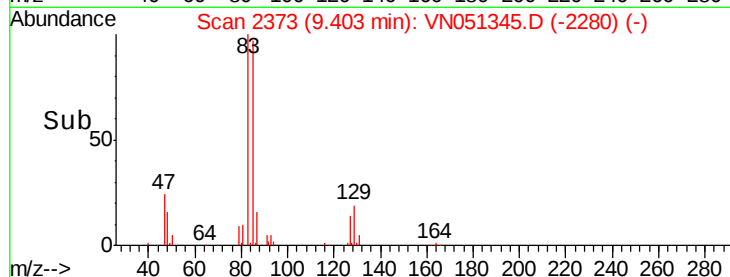
127 9.4 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.58 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

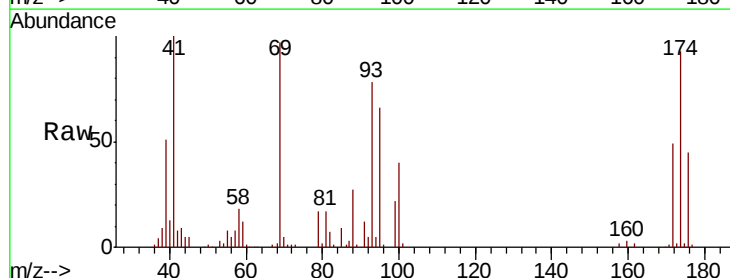
Tgt Ion: 41 Resp: 82939

Ion Ratio Lower Upper

41 100

69 101.1 79.4 119.0

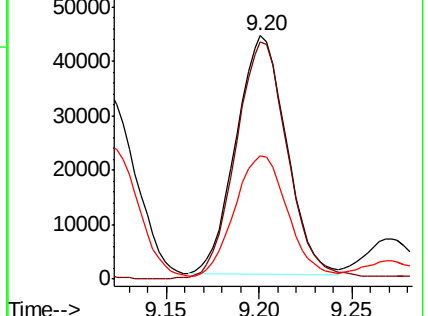
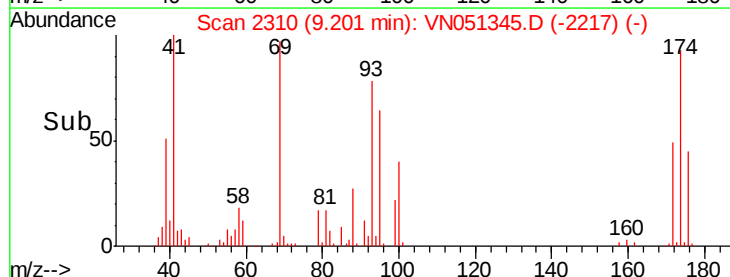
39 54.4 43.0 64.6

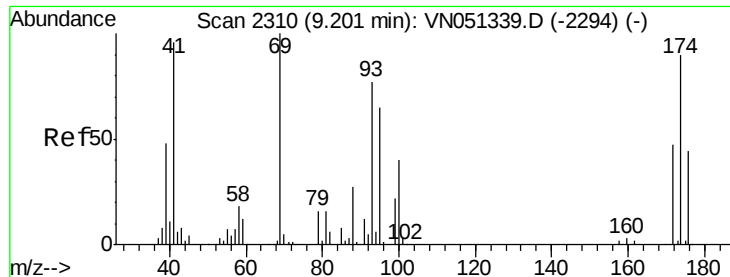


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 404.60 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

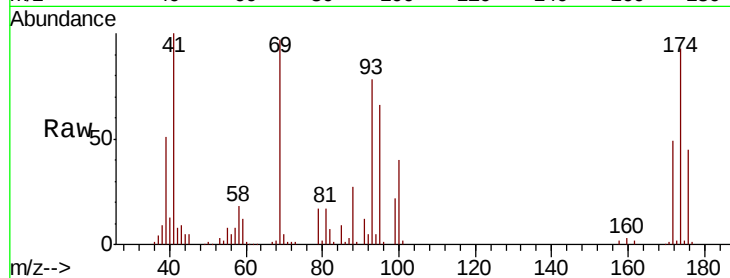
Tot Ion: 88 Resp: 25342

Ion Ratio Lower Upper

88 100

43 30.9 23.5 35.3

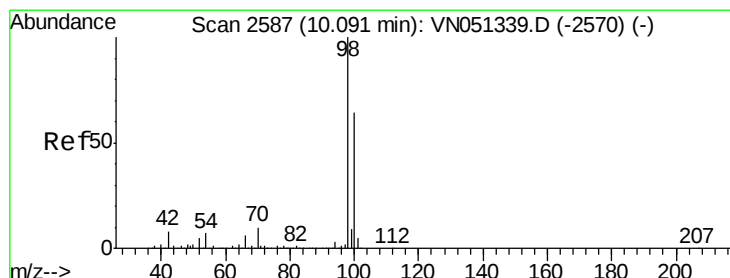
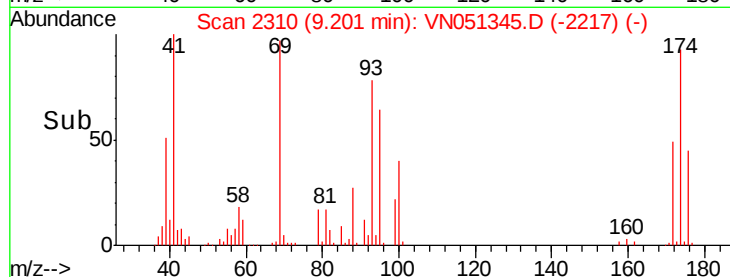
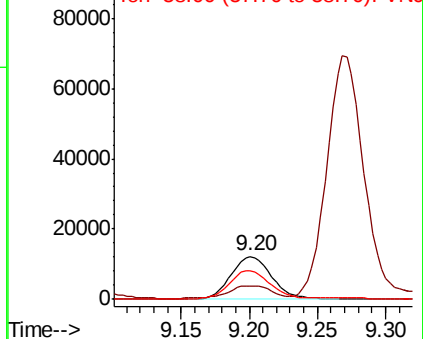
58 68.3 52.1 78.1



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: 47.24 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051345.D

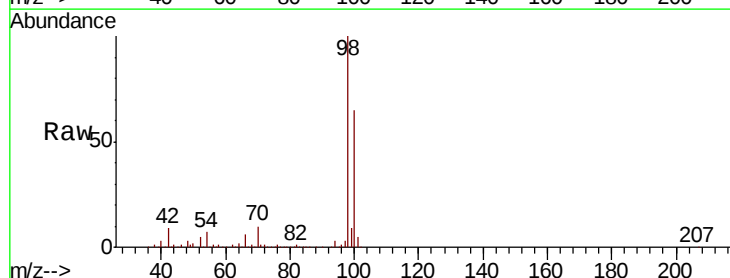
Acq: 20 Sep 2018 17:42

Tgt Ion: 98 Resp: 1374663

Ion Ratio Lower Upper

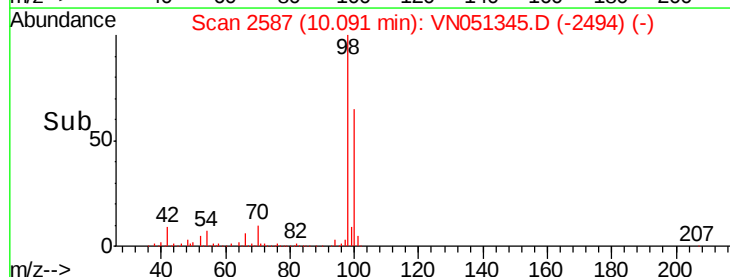
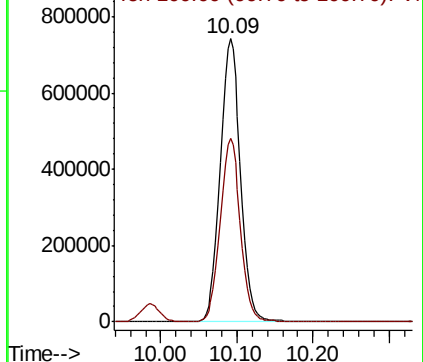
98 100

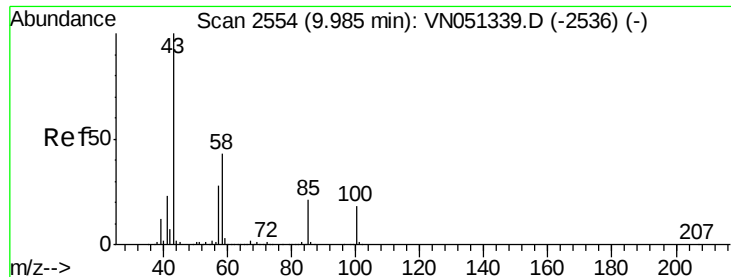
100 64.4 51.3 76.9



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: 105.59 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

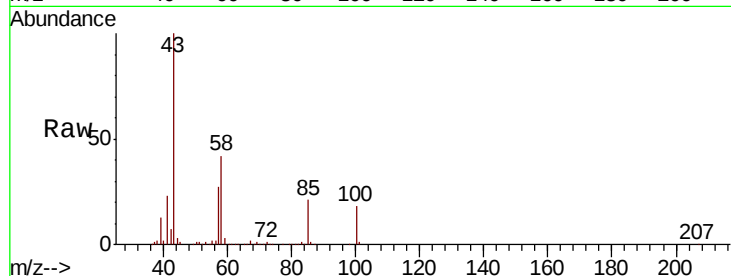
VN0920WBSD01

Tot Ion: 43 Resp: 471845

Ion Ratio Lower Upper

43 100

58 42.5 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

100000

50000

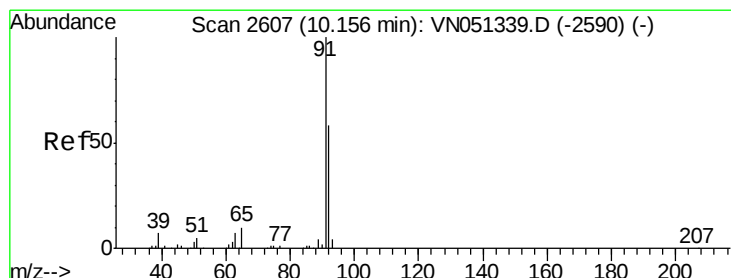
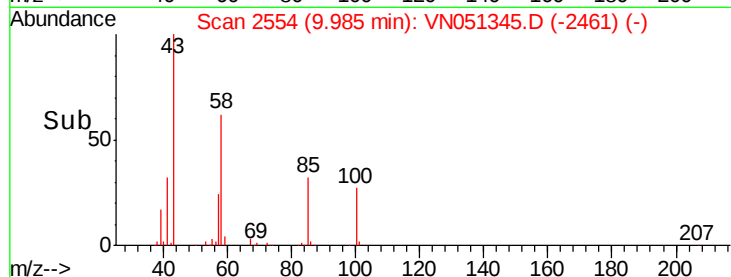
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.89 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051345.D

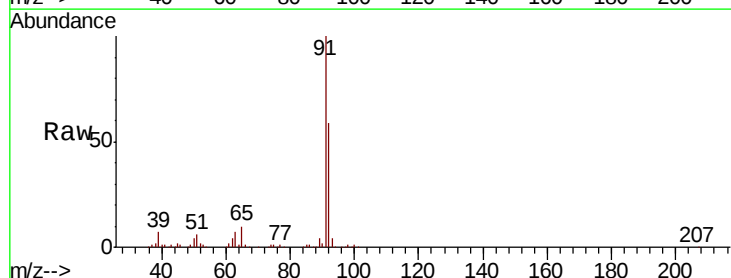
Acq: 20 Sep 2018 17:42

Tgt Ion: 92 Resp: 371385

Ion Ratio Lower Upper

92 100

91 171.0 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

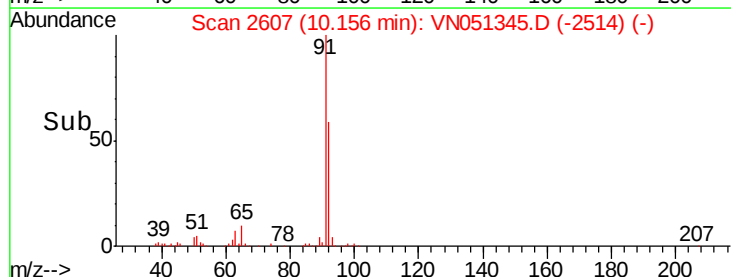
100000

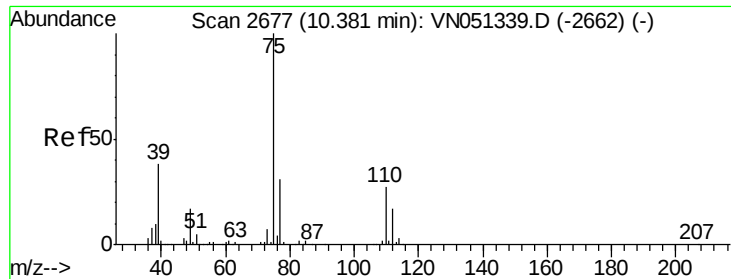
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.03 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampled :

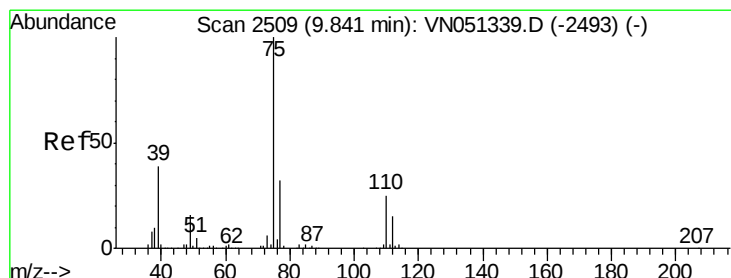
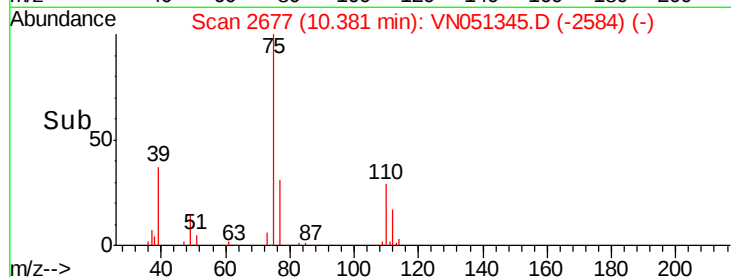
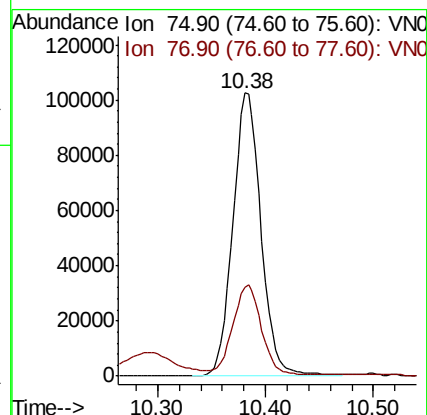
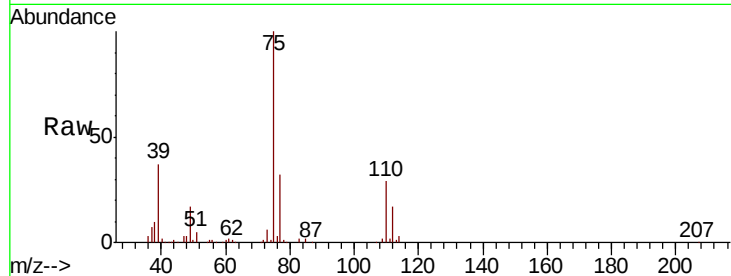
VN0920WBSD01

Tot Ion: 75 Resp: 186834

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.47 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

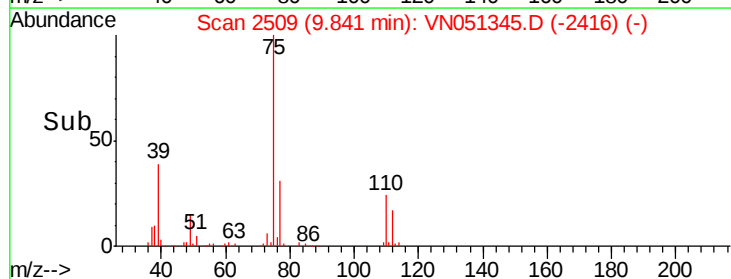
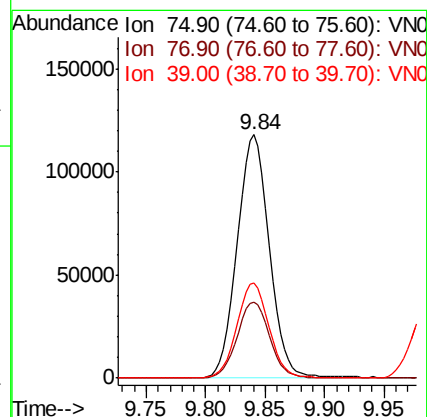
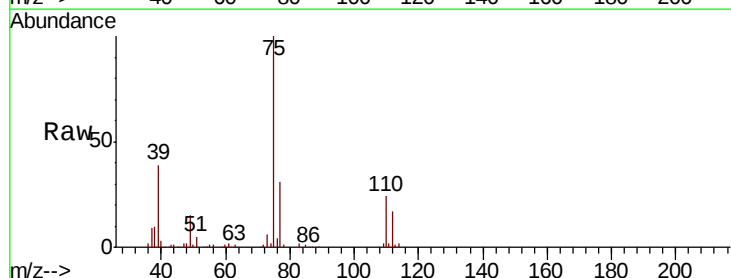
Tgt Ion: 75 Resp: 221065

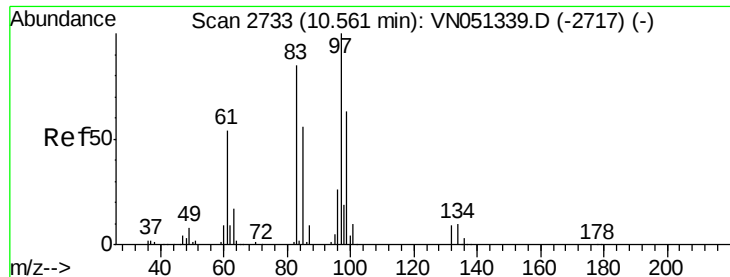
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 39.3 31.0 46.4

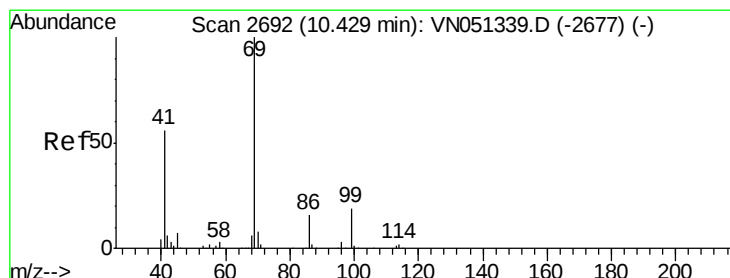
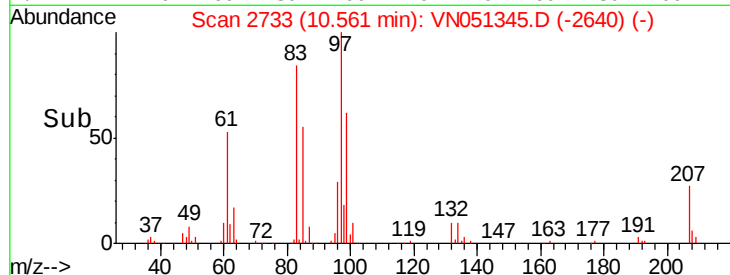
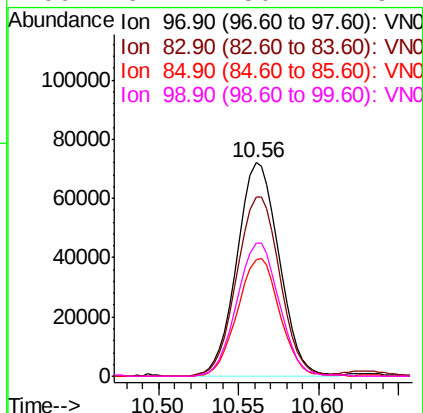
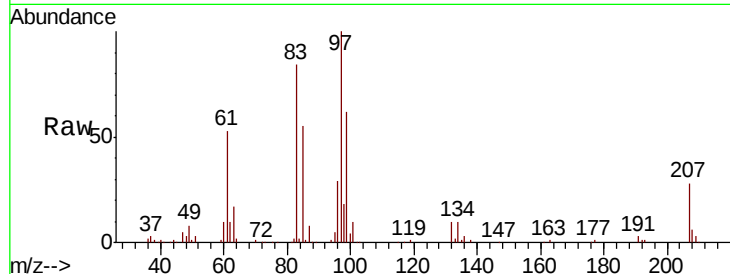




#55
 1,1,2-Trichloroethane
 Concen: 19.49 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

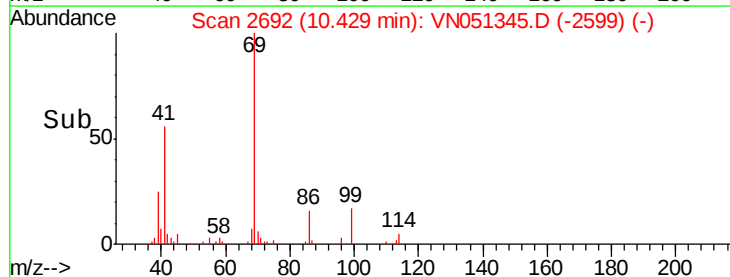
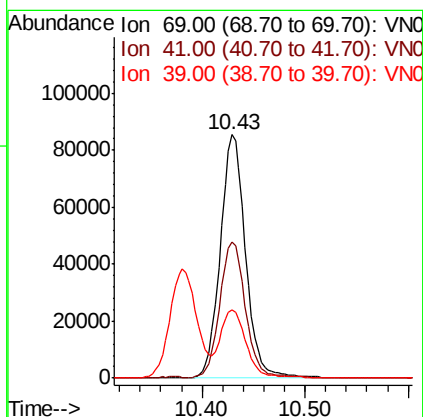
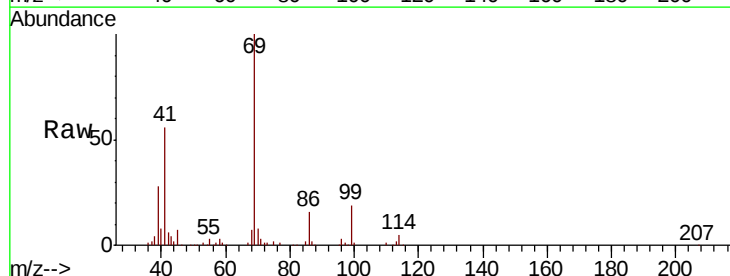
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

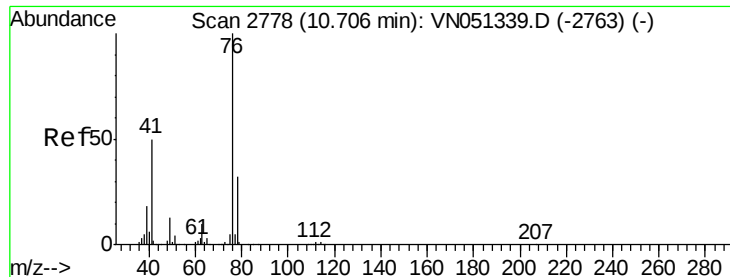
Tot Ion:	97	Resp:	129987
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.1	102.1
85	54.7	44.6	66.8
99	62.1	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 20.71 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion:	69	Resp:	145881
Ion	Ratio	Lower	Upper
69	100		
41	56.4	45.1	67.7
39	28.0	23.4	35.2





#57

1,3-Dichloropropane

Concen: 20.34 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

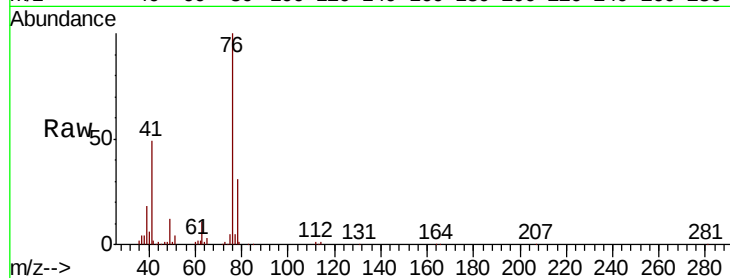
VN0920WBSD01

Tot Ion: 76 Resp: 213636

Ion Ratio Lower Upper

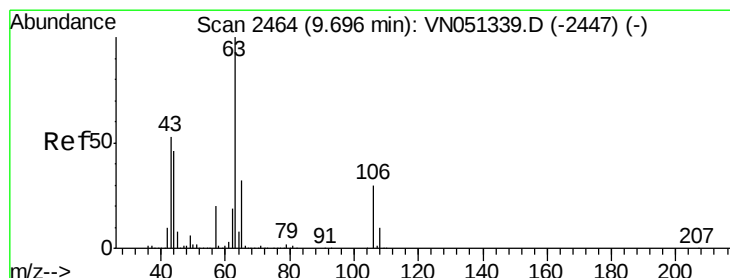
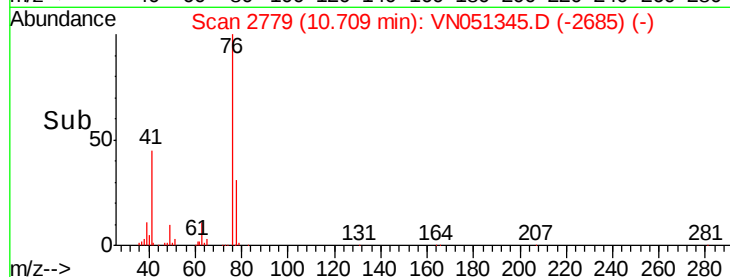
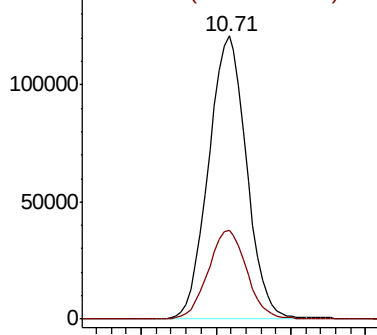
76 100

78 31.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 107.01 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051345.D

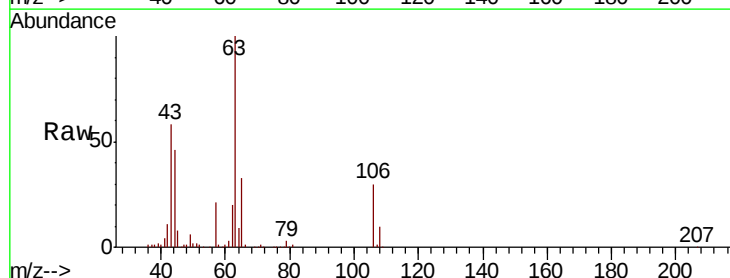
Acq: 20 Sep 2018 17:42

Tgt Ion: 63 Resp: 370588

Ion Ratio Lower Upper

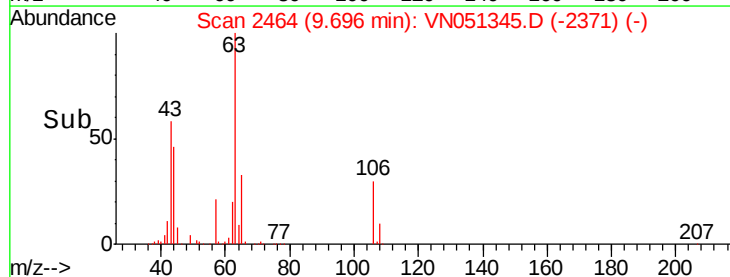
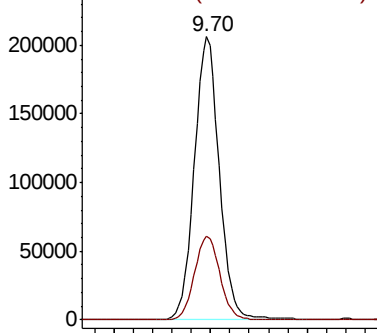
63 100

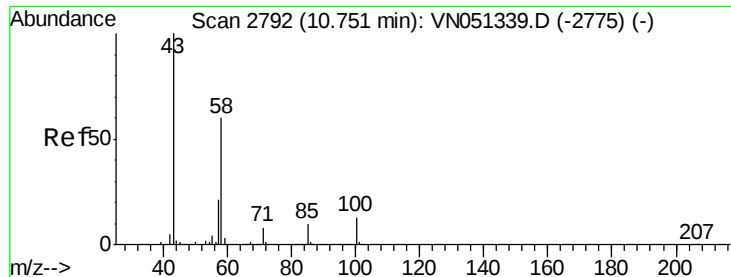
106 30.1 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

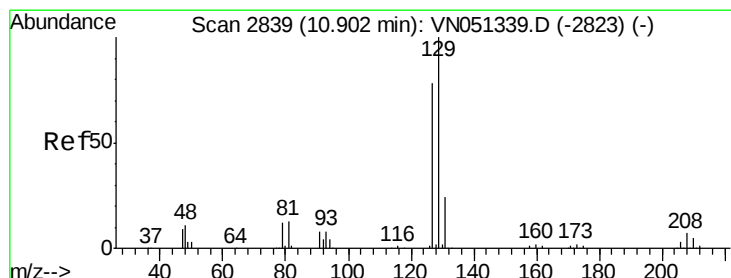
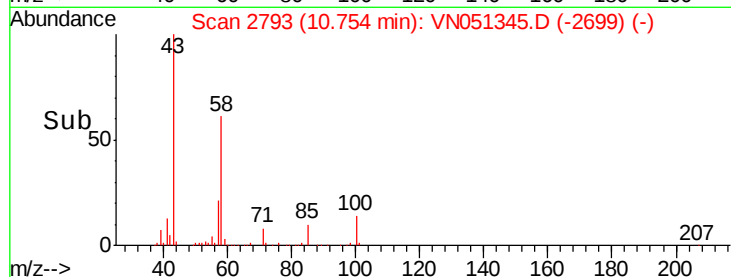
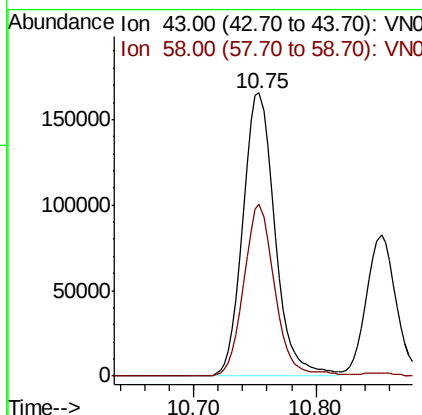
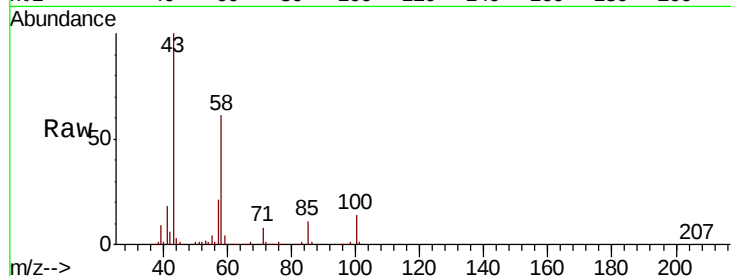




#59
2-Hexanone
Concen: 99.27 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

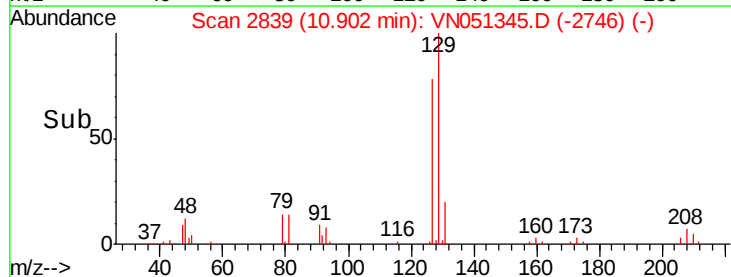
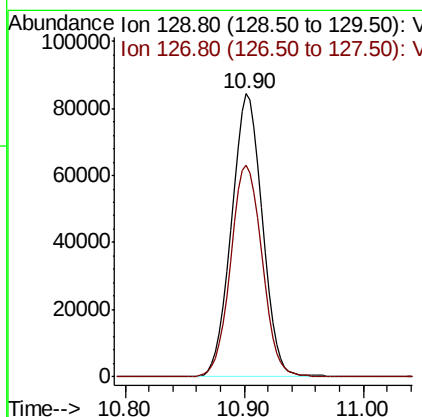
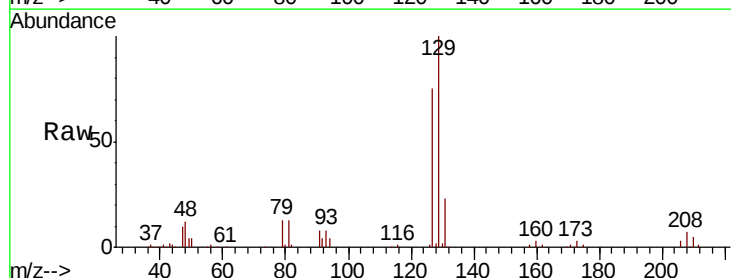
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

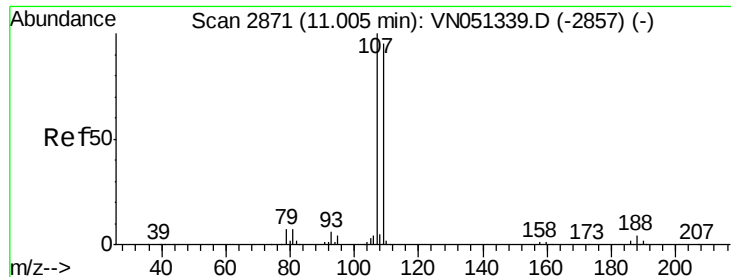
Tot Ion: 43 Resp: 299091
Ion Ratio Lower Upper
43 100
58 58.7 29.9 89.8



#60
Dibromochloromethane
Concen: 19.52 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 129 Resp: 151815
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8

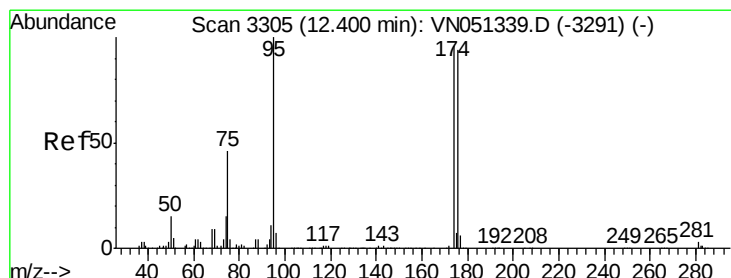
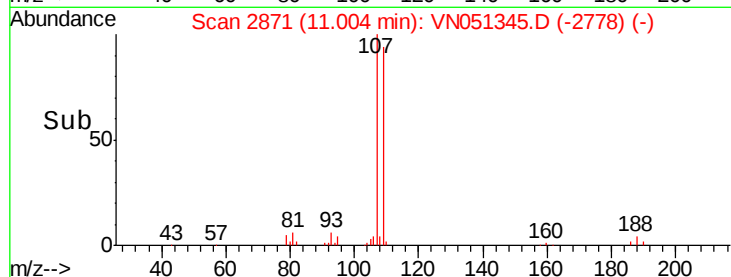
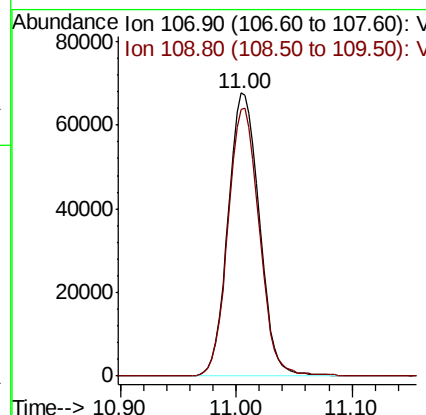
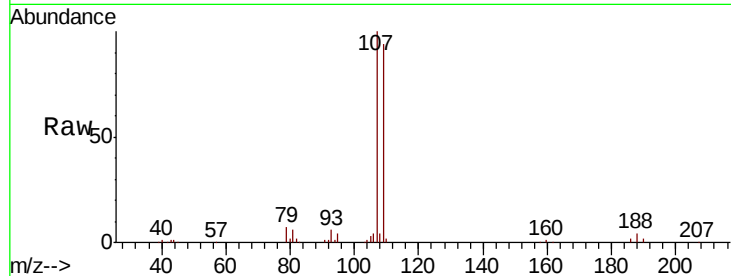




#61
 1,2-Dibromoethane
 Concen: 19.67 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

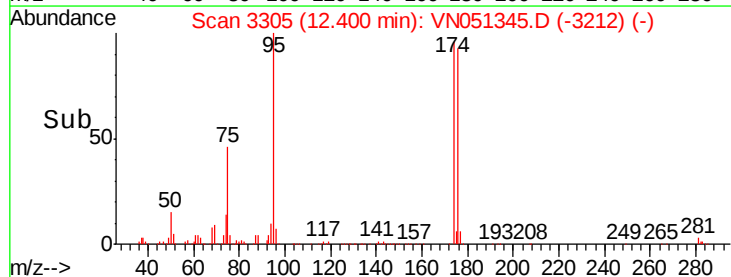
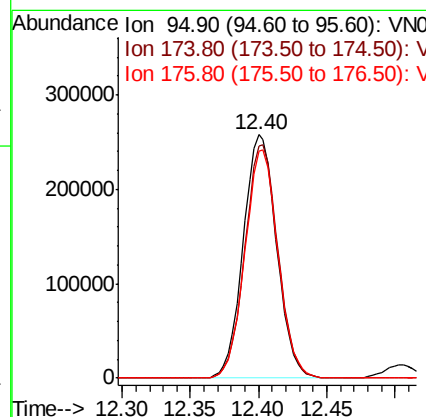
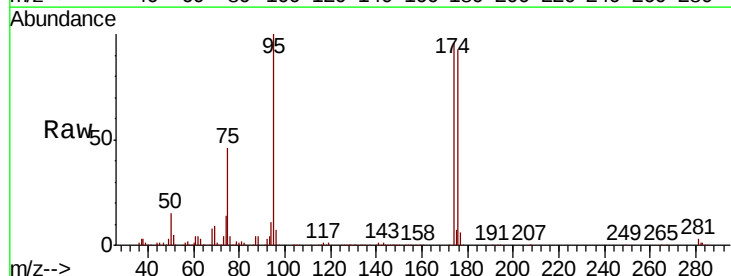
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

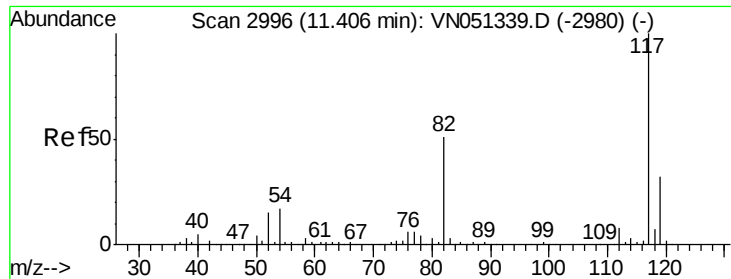
Tot Ion:107 Resp: 126087
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 46.09 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion: 95 Resp: 436389
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 194.6
 176 93.2 0.0 189.6

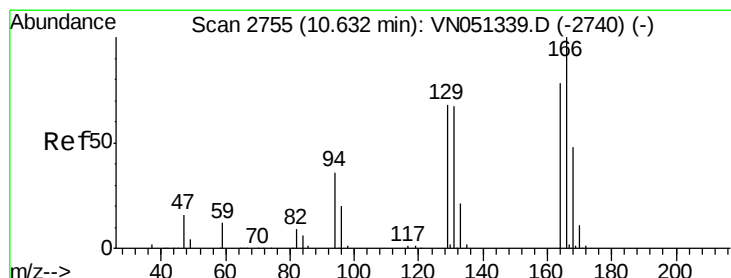
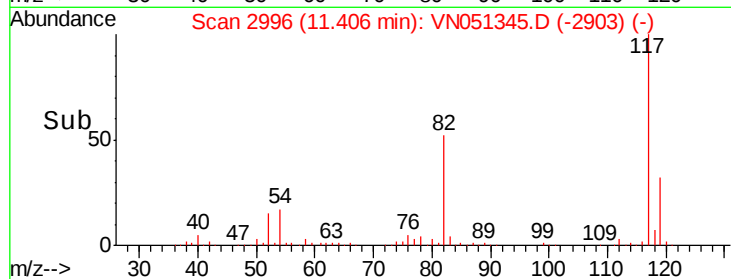
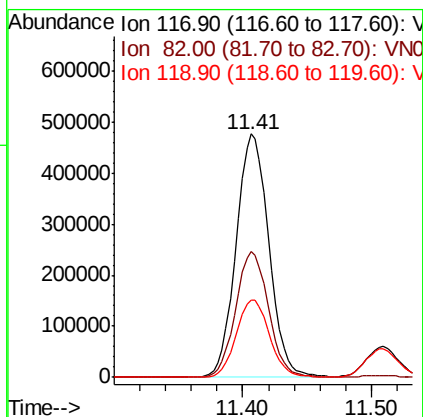
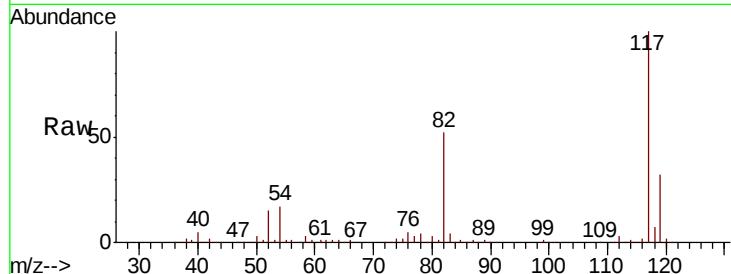




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

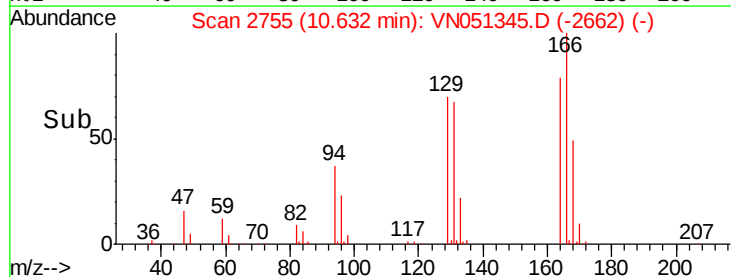
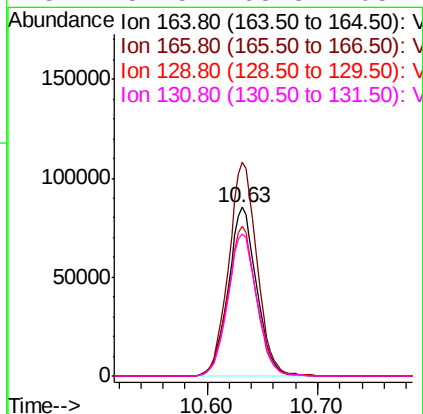
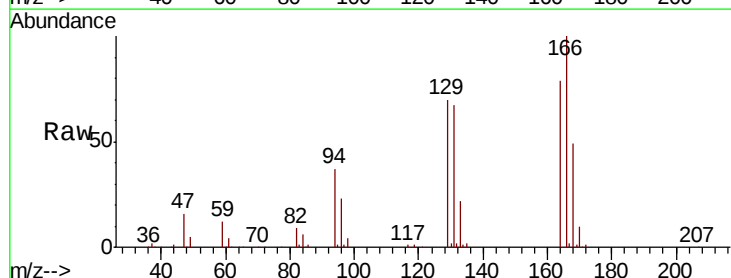
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

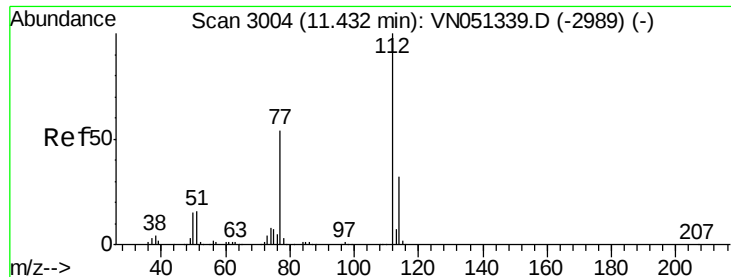
Tot Ion:117 Resp: 842088
Ion Ratio Lower Upper
117 100
82 51.6 40.7 61.1
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 20.67 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion:164 Resp: 151751
Ion Ratio Lower Upper
164 100
166 126.7 102.1 153.1
129 89.2 69.4 104.2
131 84.5 68.8 103.2





#65

Chlorobenzene

Concen: 20.24 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

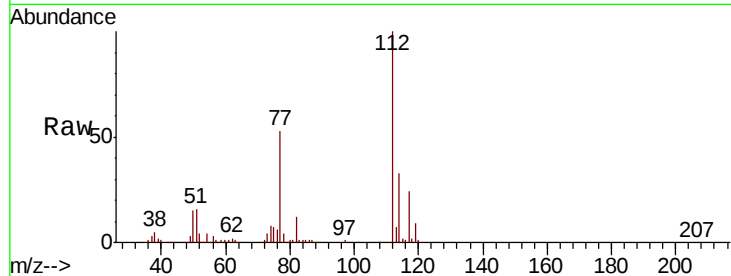
VN0920WBSD01

Tot Ion:112 Resp: 407151

Ion Ratio Lower Upper

112 100

114 32.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

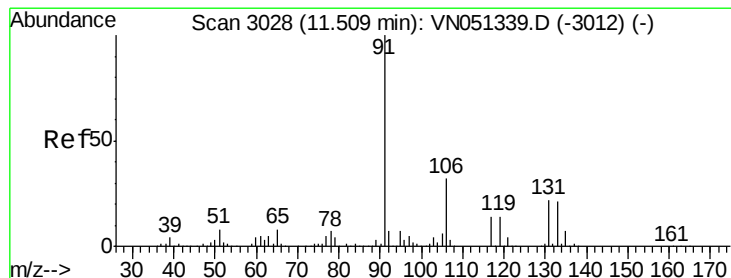
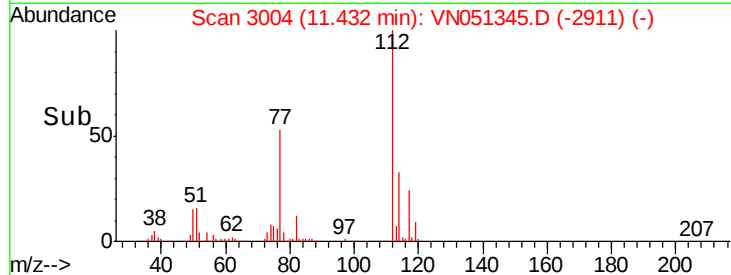
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.19 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

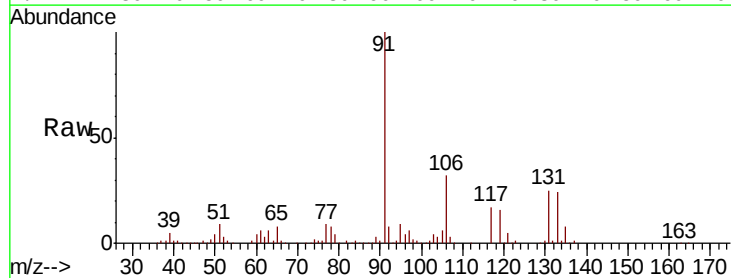
Tgt Ion:131 Resp: 154627

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 64.9 32.6 97.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

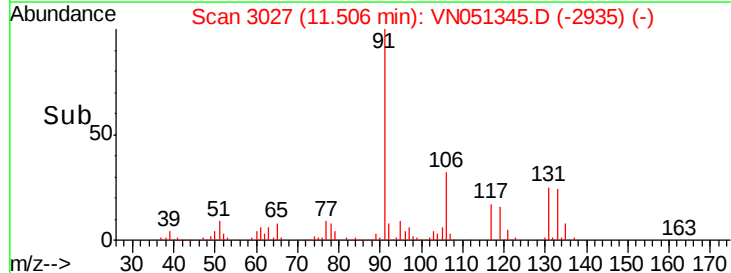
150000

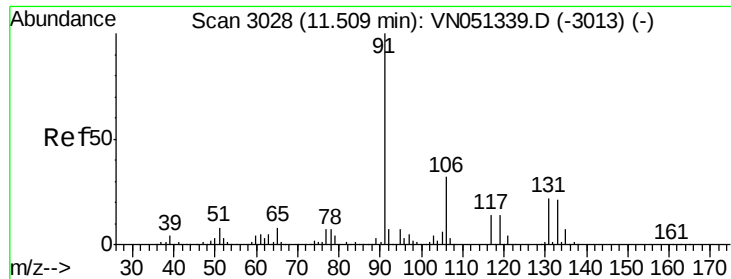
100000

50000

0

Time-->

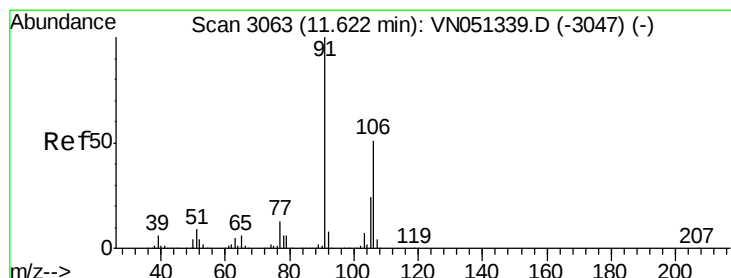
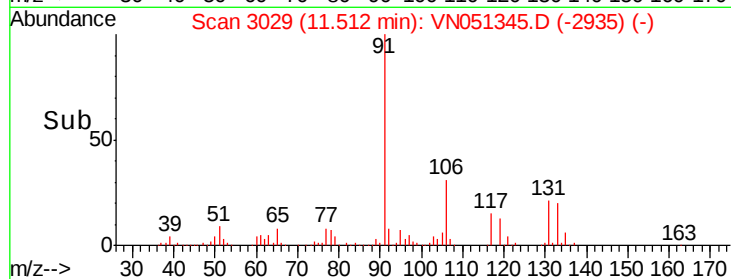
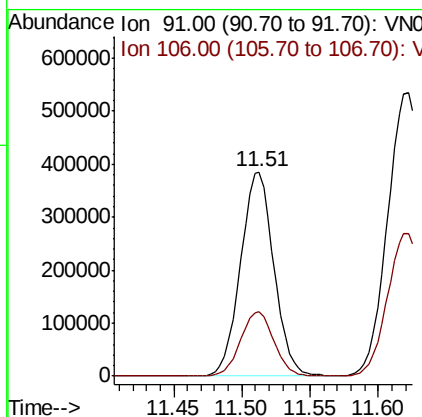
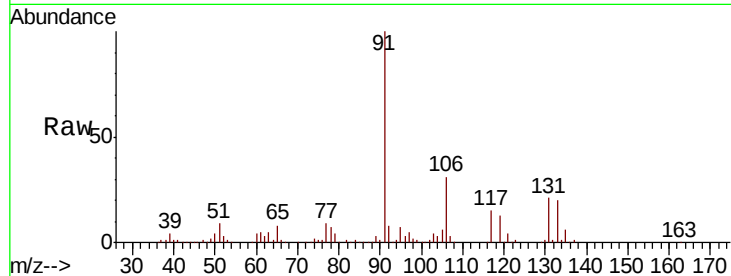




#67
Ethyl Benzene
Concen: 20.80 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

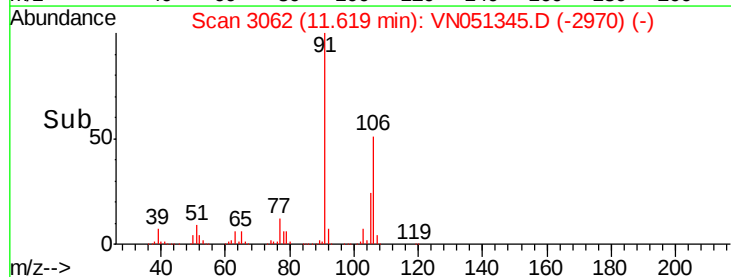
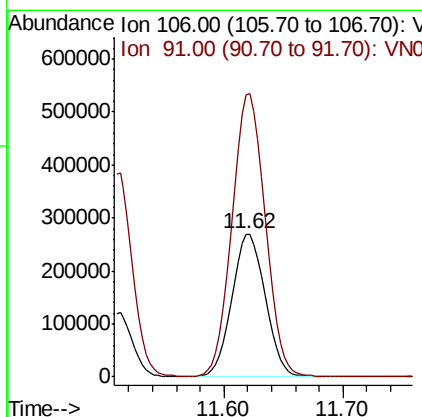
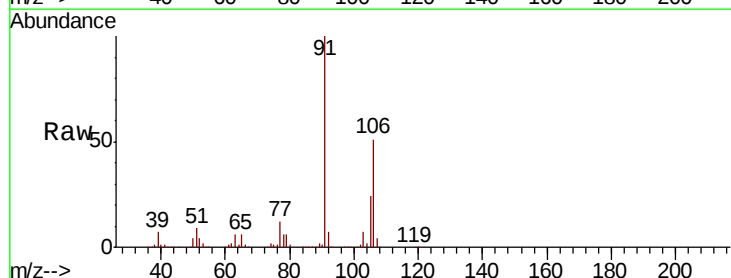
Instrument :
MSVOA_N
ClientSampled :
VN0920WBSD01

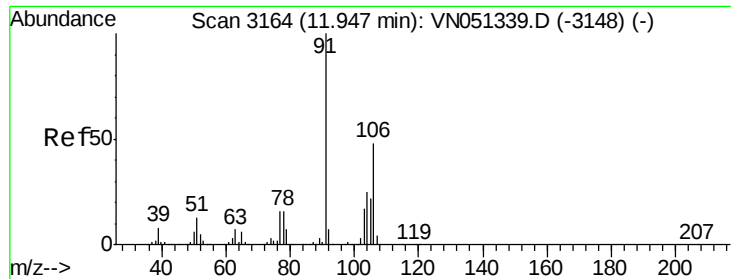
Tot Ion: 91 Resp: 654578
Ion Ratio Lower Upper
91 100
106 31.3 25.8 38.8



#68
m/p-Xylenes
Concen: 42.43 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion: 106 Resp: 524589
Ion Ratio Lower Upper
106 100
91 197.8 156.5 234.7

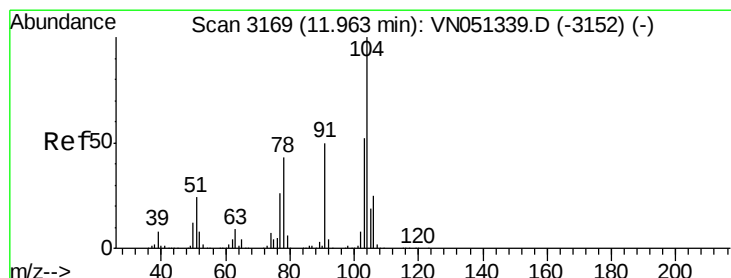
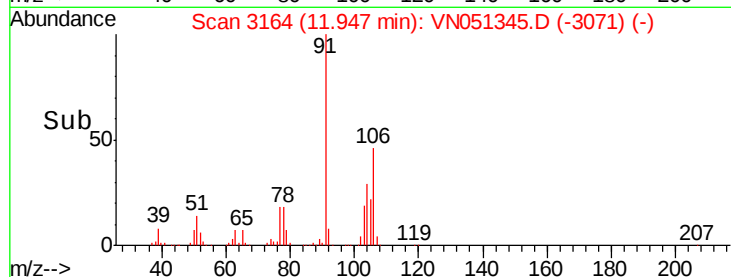
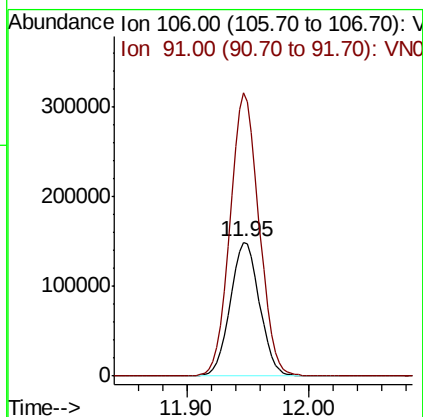
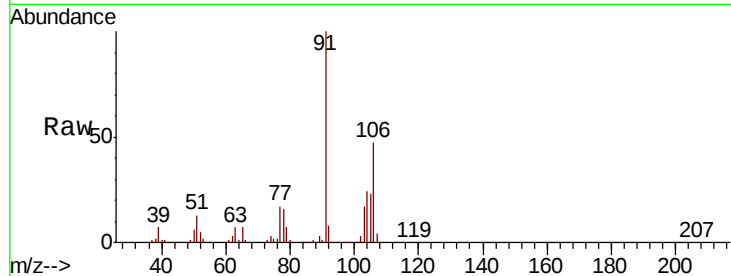




#69
o-Xylene
Concen: 20.99 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

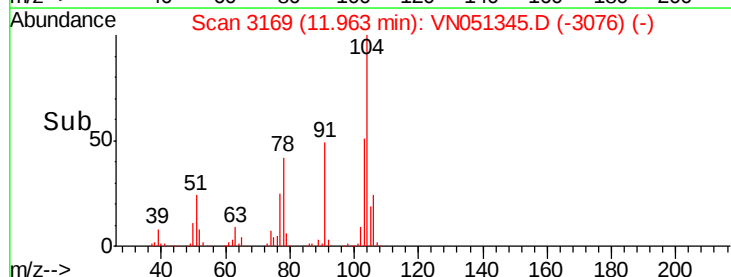
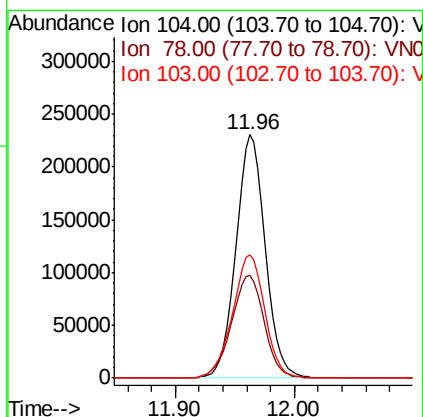
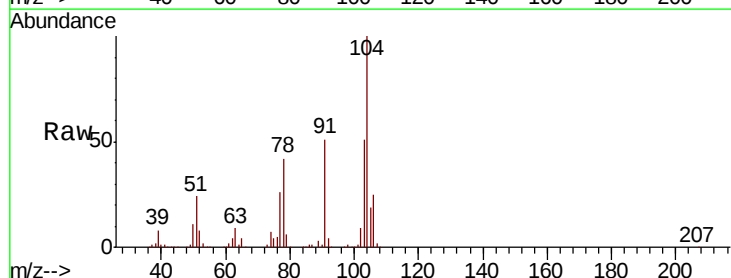
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

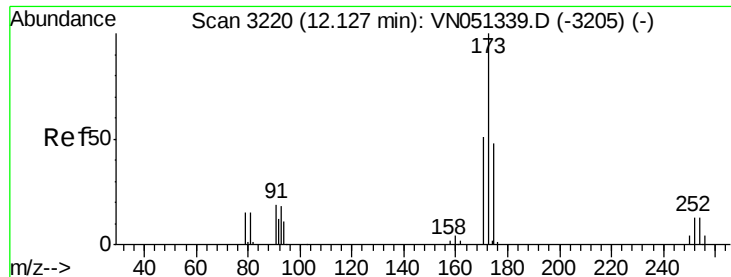
Tot Ion:106 Resp: 250190
Ion Ratio Lower Upper
106 100
91 208.5 104.6 313.7



#70
Styrene
Concen: 21.26 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion:104 Resp: 393421
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.6 44.3 66.5

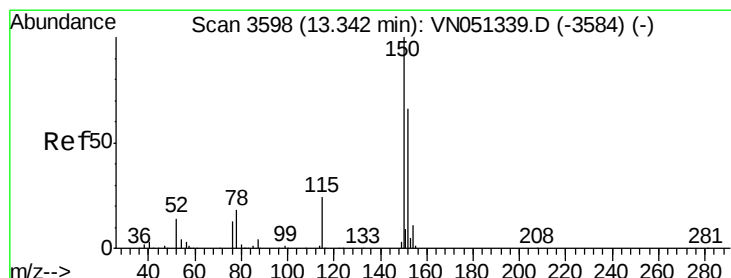
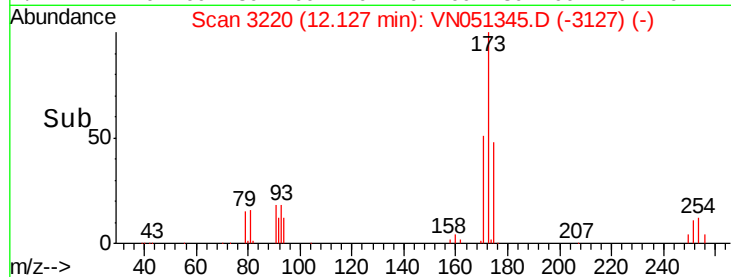
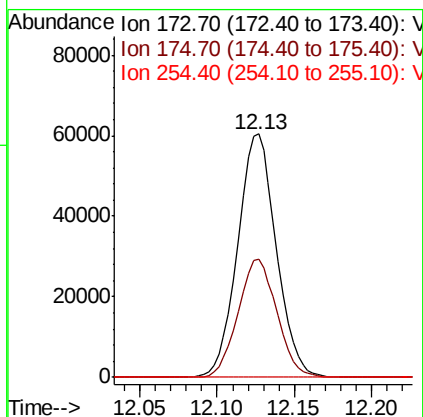
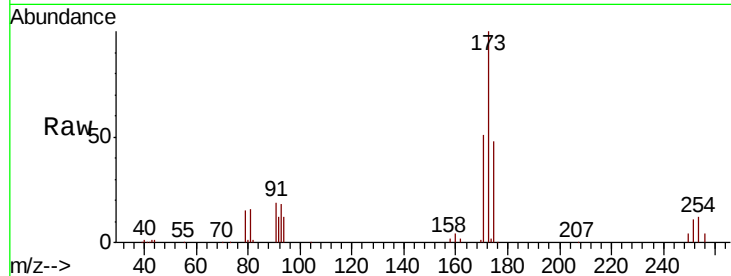




#71
Bromoform
Concen: 20.10 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

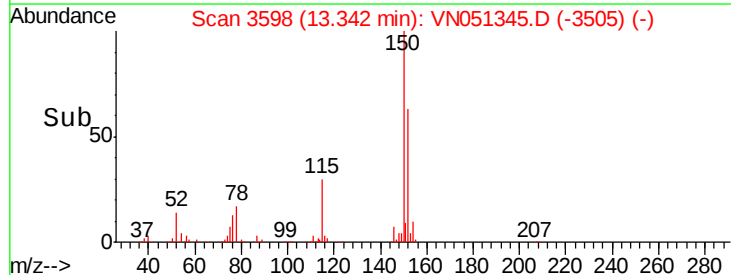
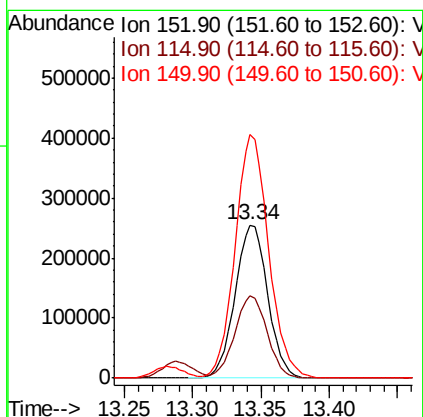
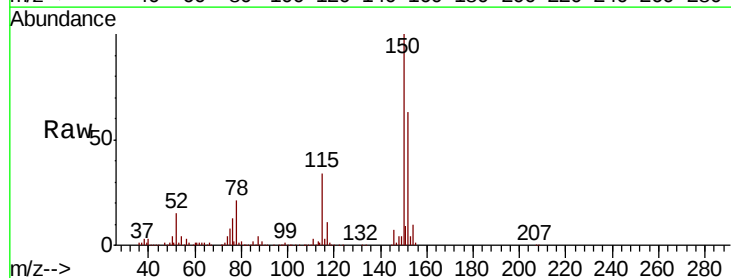
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

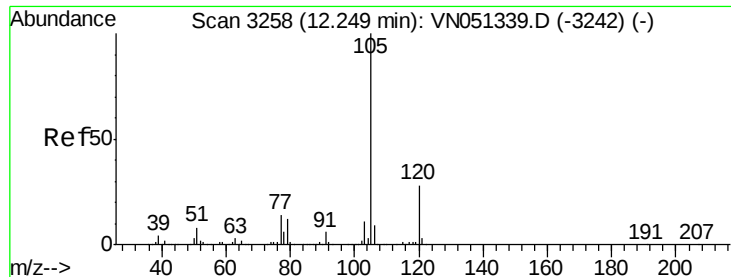
Tot Ion:173 Resp: 104463
Ion Ratio Lower Upper
173 100
175 48.9 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion:152 Resp: 421125
Ion Ratio Lower Upper
152 100
115 53.5 26.9 80.7
150 163.9 0.0 345.0





#73

Isopropylbenzene

Concen: 21.70 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

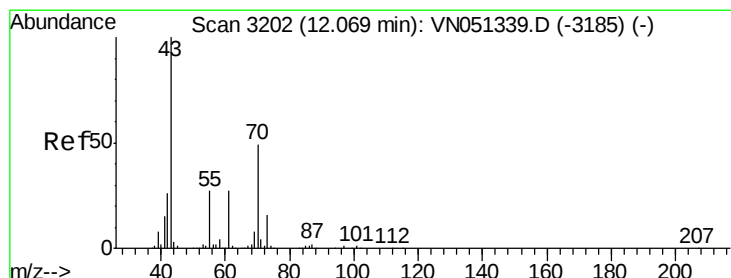
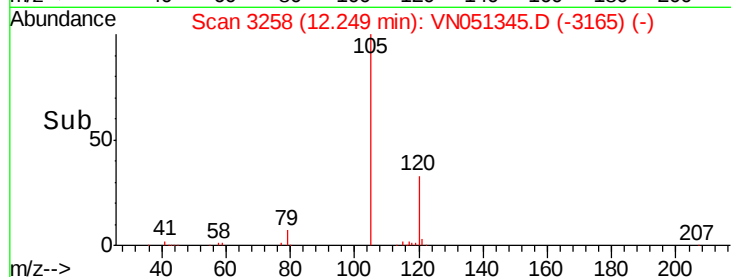
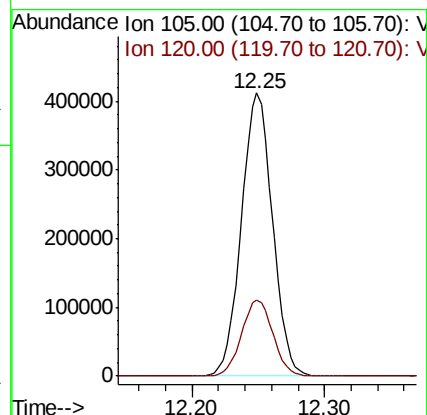
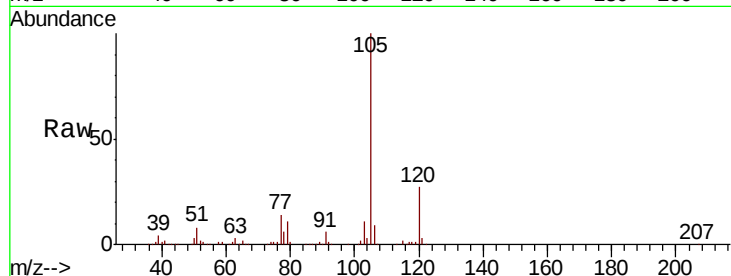
VN0920WBSD01

Tot Ion:105 Resp: 669688

Ion Ratio Lower Upper

105 100

120 27.1 13.9 41.6



#74

N-ethyl acetate

Concen: 20.08 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Tgt Ion: 43 Resp: 132603

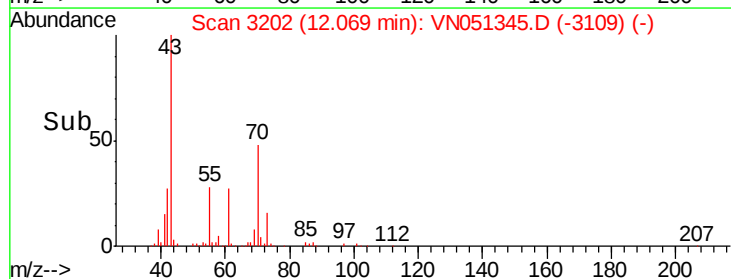
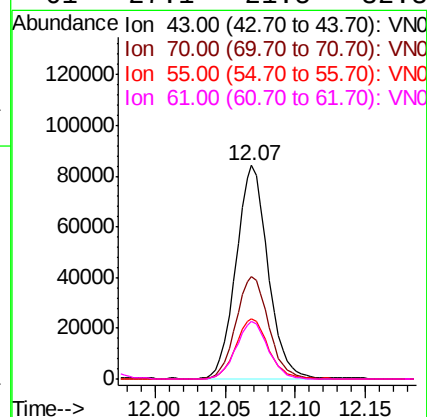
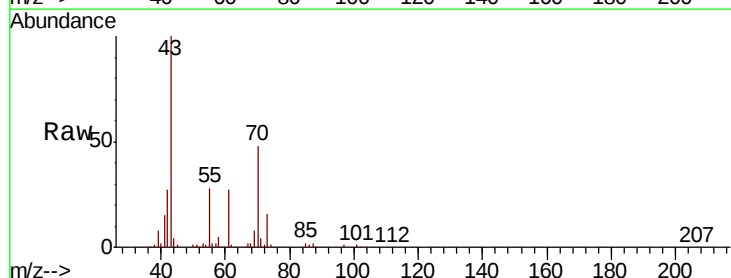
Ion Ratio Lower Upper

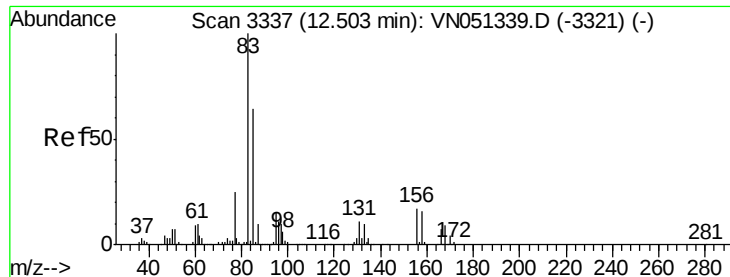
43 100

70 49.5 39.5 59.3

55 29.1 22.6 34.0

61 27.1 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.19 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

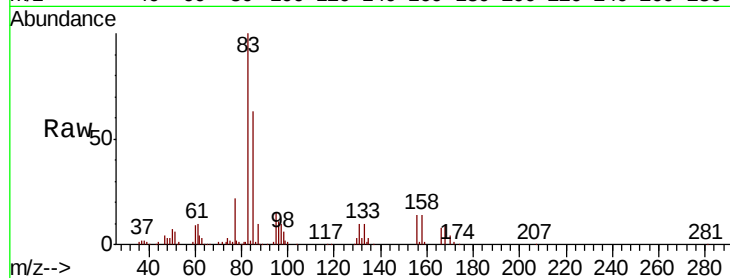
Tot Ion: 83 Resp: 153754

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

85 63.9 32.3 96.9

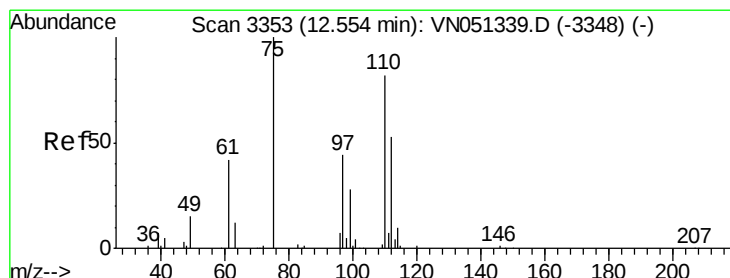
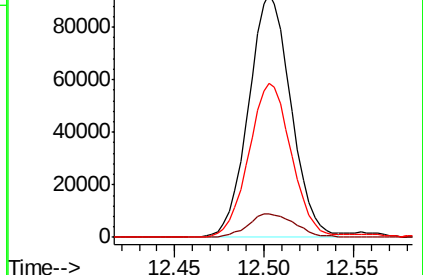
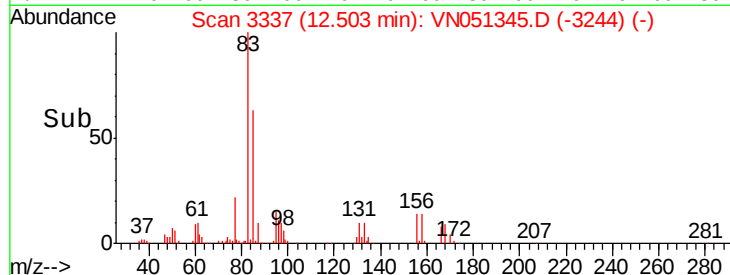


Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN051339.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-3321) (-)

12.50



#76

1,2,3-Trichloropropane

Concen: 29.12 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051345.D

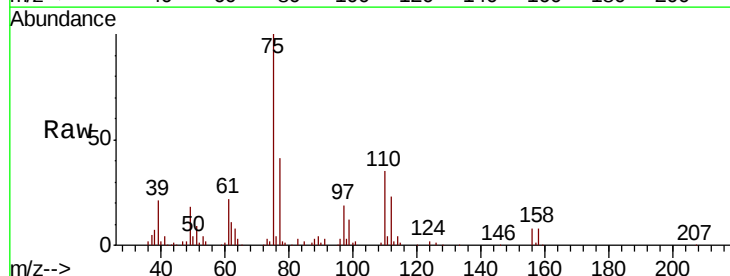
Acq: 20 Sep 2018 17:42

Tgt Ion: 75 Resp: 177062

Ion Ratio Lower Upper

75 100

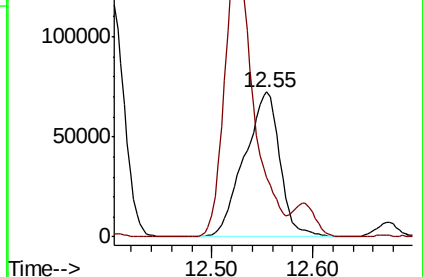
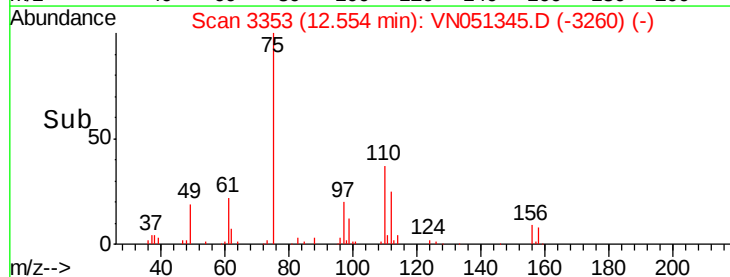
77 0.0 0.0 0.0

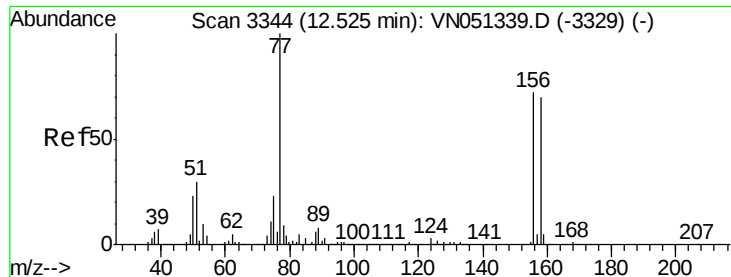


Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3348) (-)

12.55





#77

Bromobenzene

Concen: 20.40 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

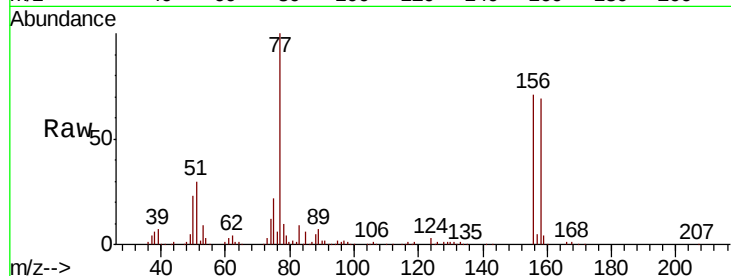
Tot Ion:156 Resp: 173960

Ion Ratio Lower Upper

156 100

77 164.8 80.8 242.4

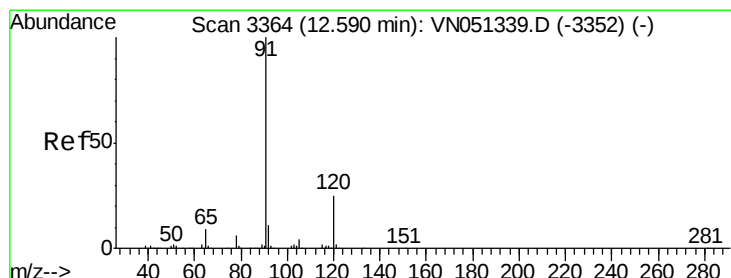
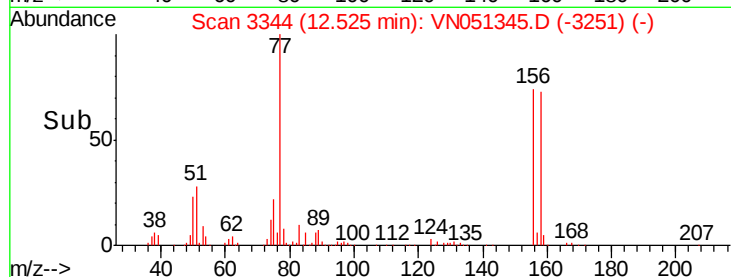
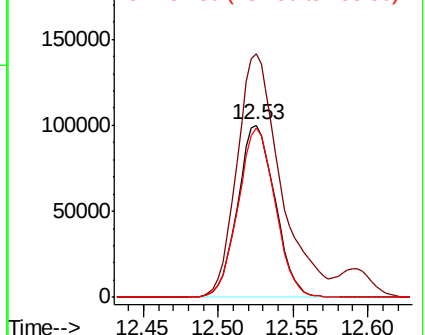
158 97.6 48.8 146.3



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: 21.62 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051345.D

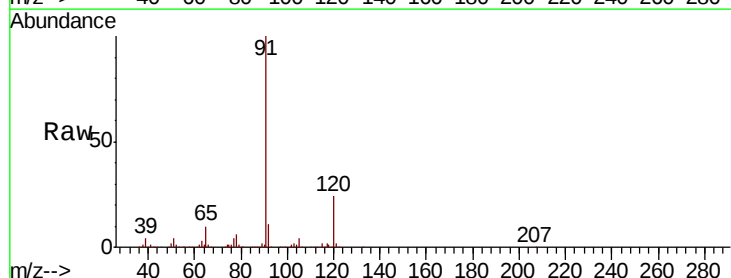
Acq: 20 Sep 2018 17:42

Tgt Ion: 91 Resp: 727580

Ion Ratio Lower Upper

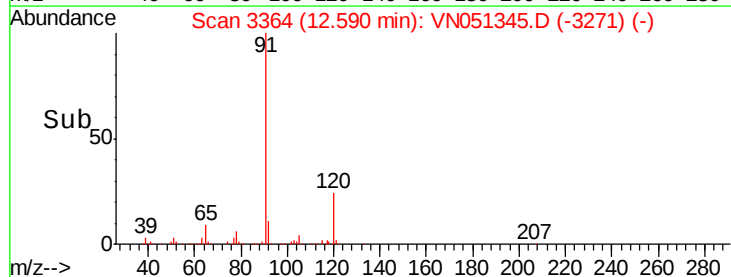
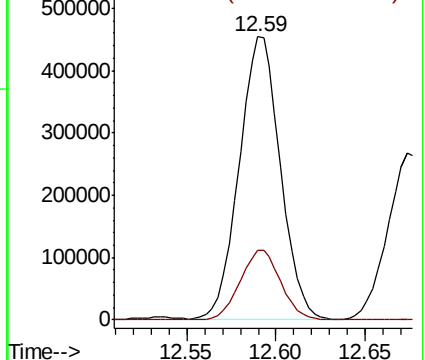
91 100

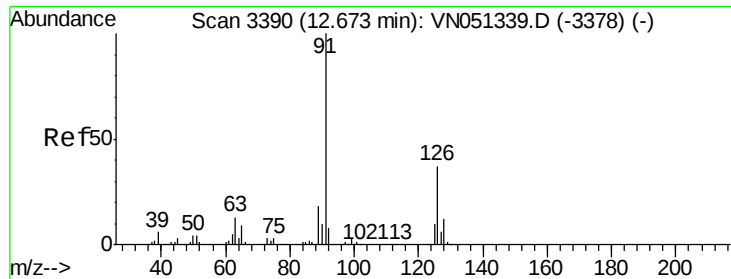
120 24.5 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

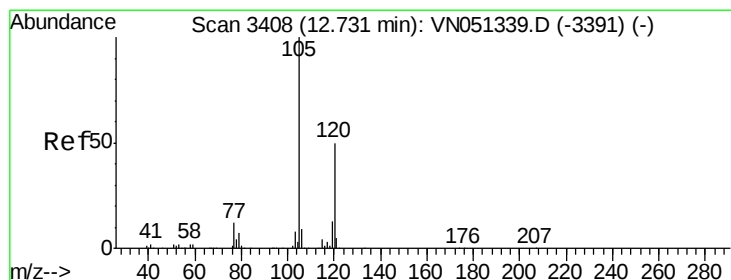
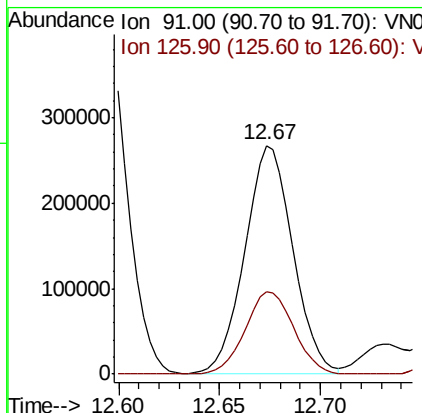
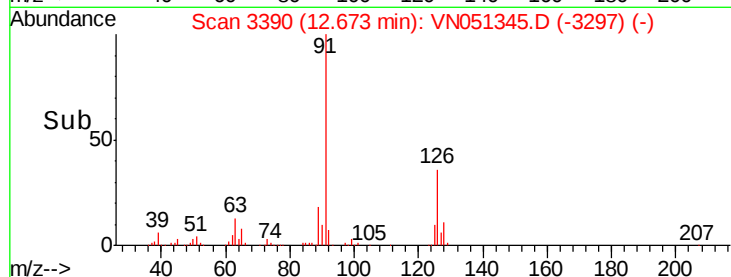
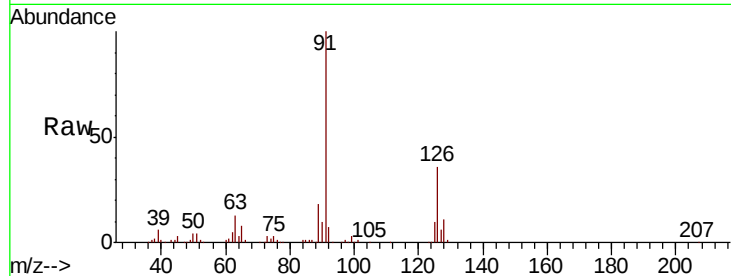




#79
 2-Chlorotoluene
 Concen: 21.36 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

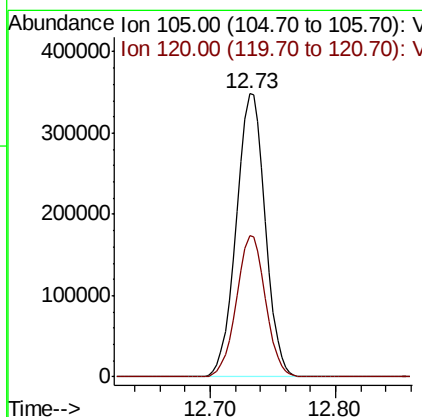
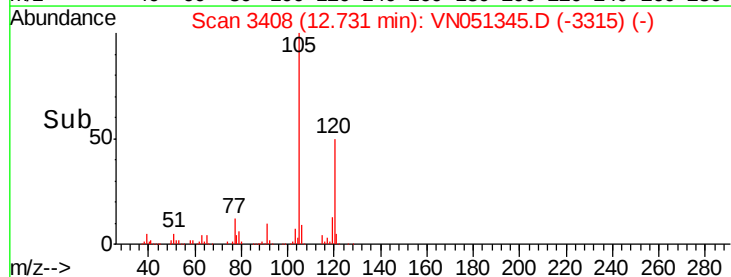
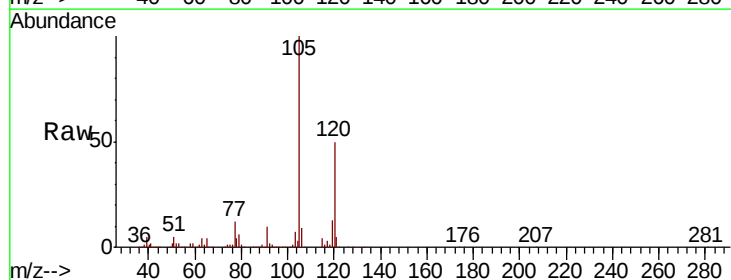
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

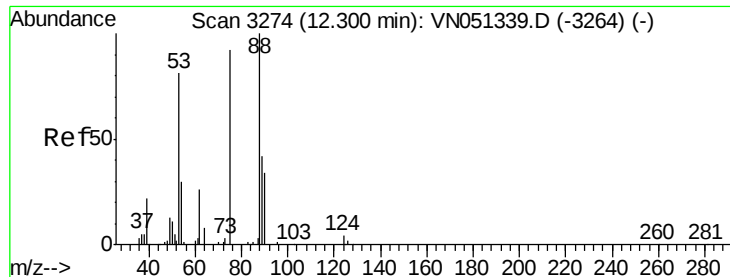
Tot Ion: 91 Resp: 442982
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.33 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion: 105 Resp: 558661
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.32 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

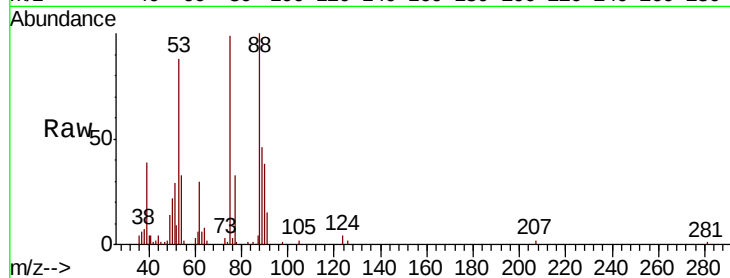
Tot Ion: 75 Resp: 37447

Ion Ratio Lower Upper

75 100

53 87.0 69.9 104.9

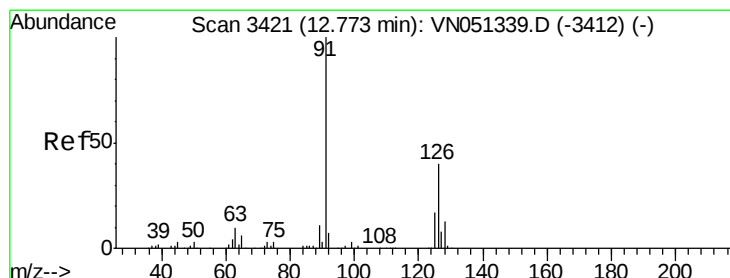
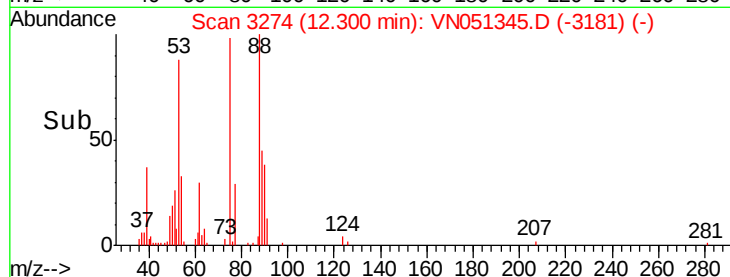
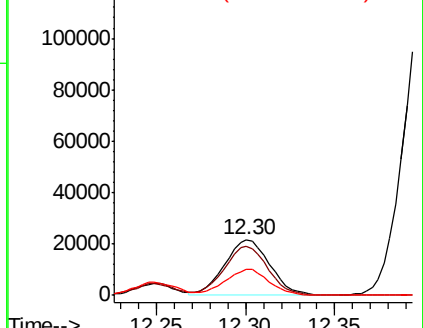
89 46.3 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.66 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051345.D

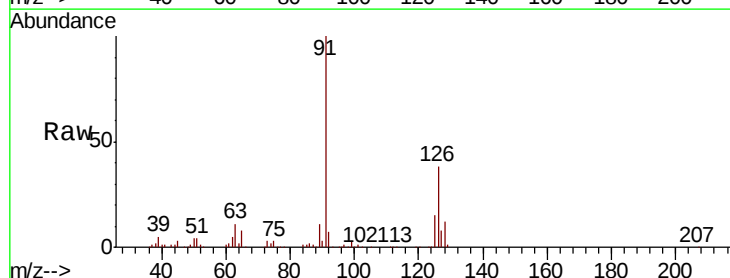
Acq: 20 Sep 2018 17:42

Tgt Ion: 91 Resp: 436643

Ion Ratio Lower Upper

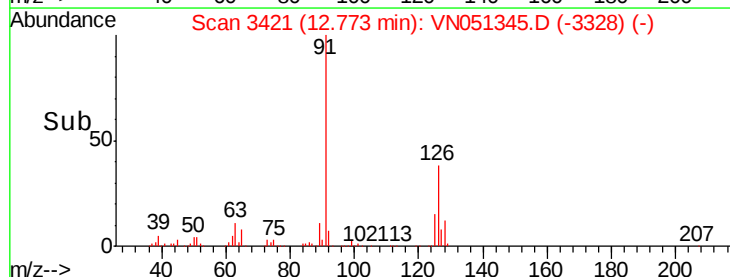
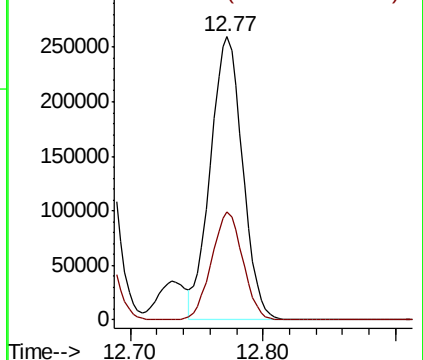
91 100

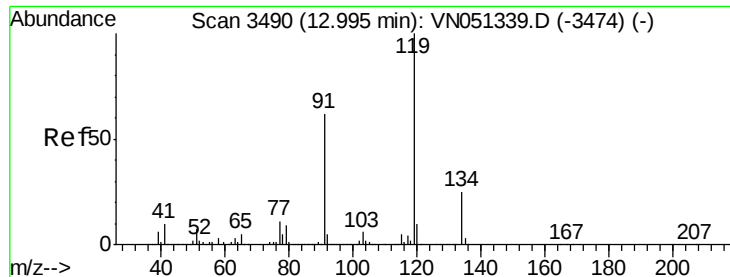
126 37.2 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

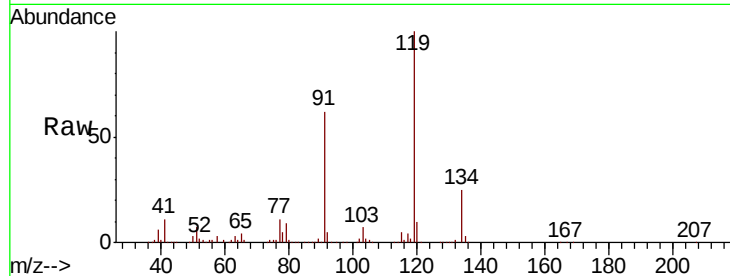




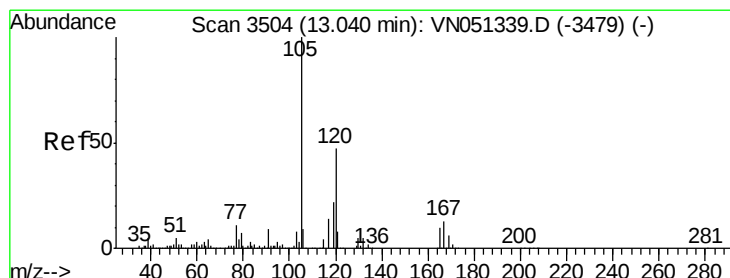
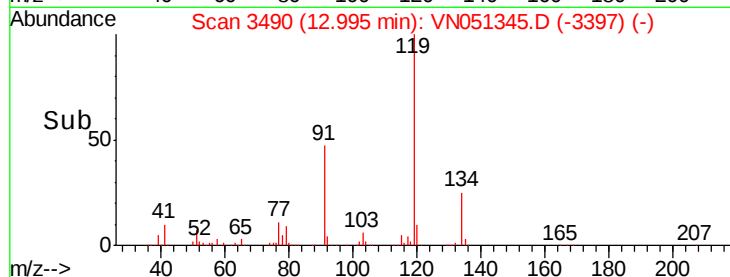
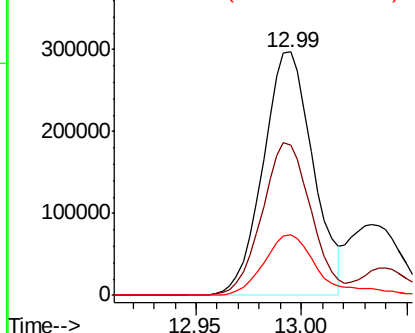
#83
tert-Butylbenzene
Concen: 21.87 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

Tot Ion:119 Resp: 489733
Ion Ratio Lower Upper
119 100
91 61.5 30.6 91.8
134 27.3 12.6 37.6

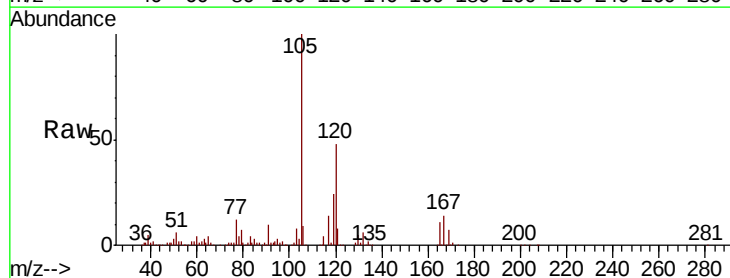


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

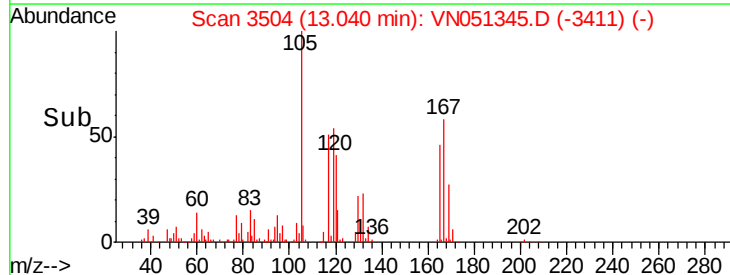
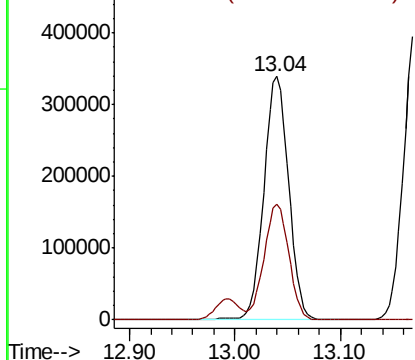


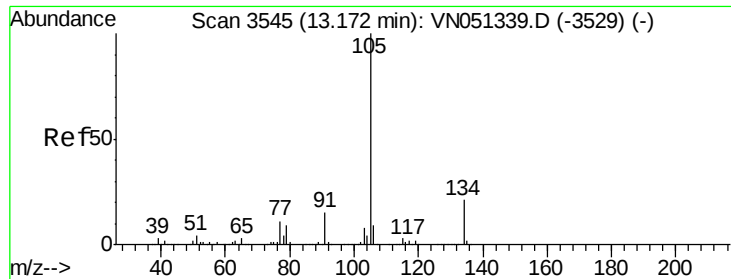
#84
1,2,4-Trimethylbenzene
Concen: 22.37 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion:105 Resp: 555609
Ion Ratio Lower Upper
105 100
120 47.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.93 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

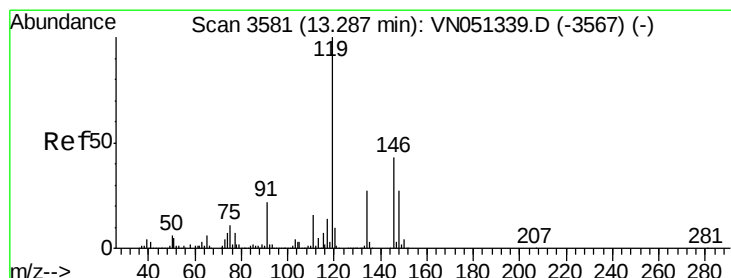
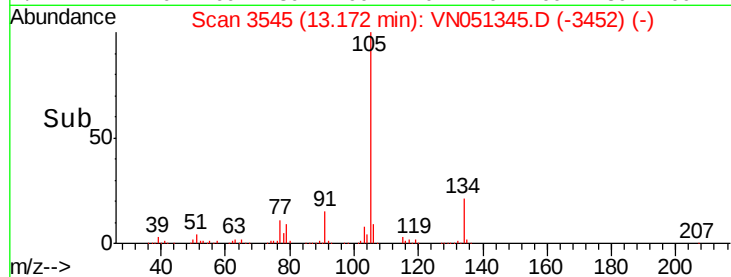
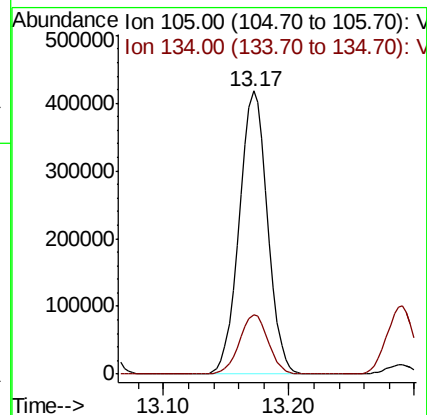
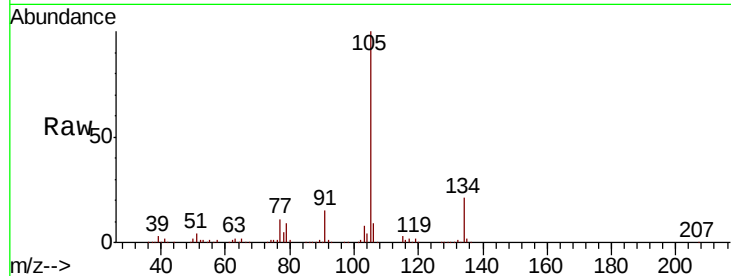
VN0920WBSD01

Tot Ion:105 Resp: 653095

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3



#86

p-Isopropyltoluene

Concen: 21.97 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

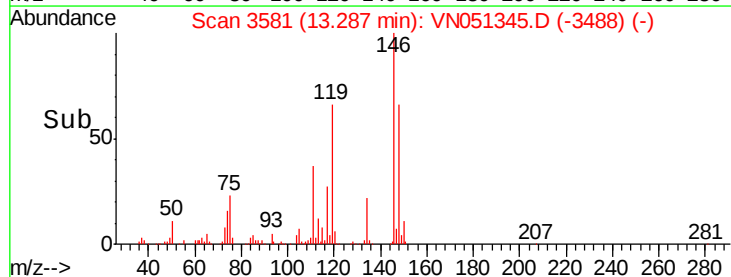
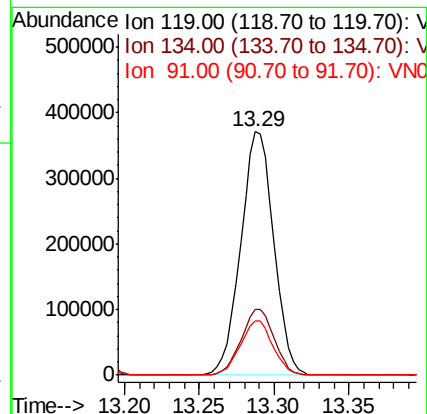
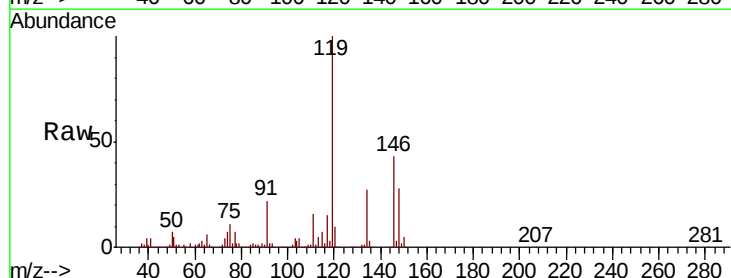
Tgt Ion:119 Resp: 569336

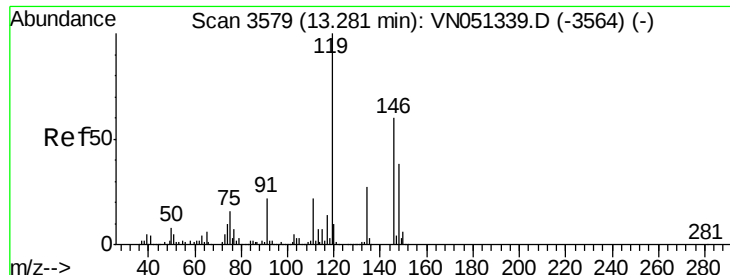
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 22.1 10.8 32.3

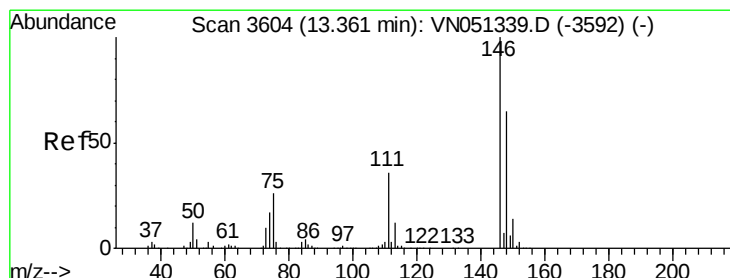
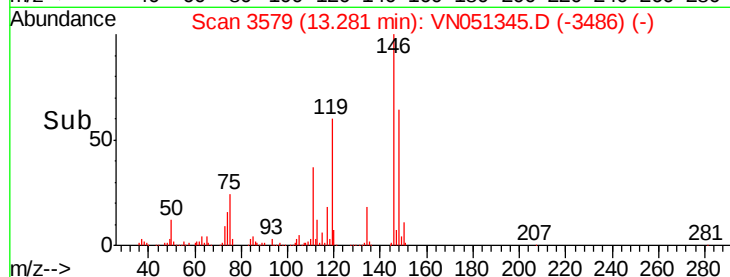
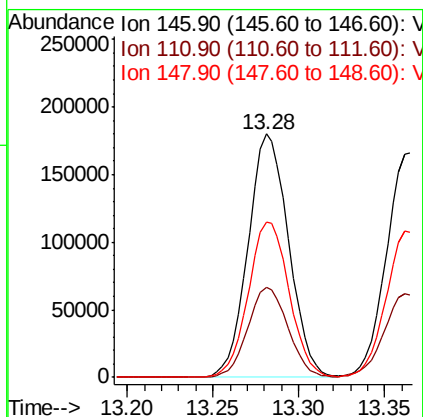
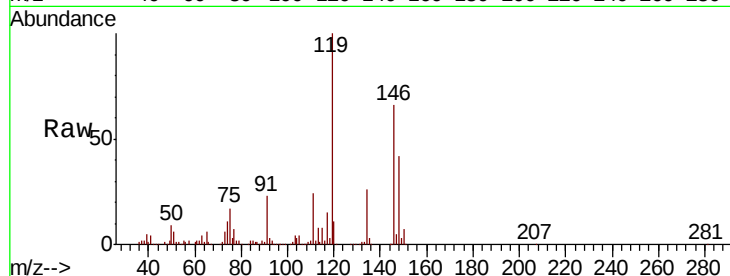




#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

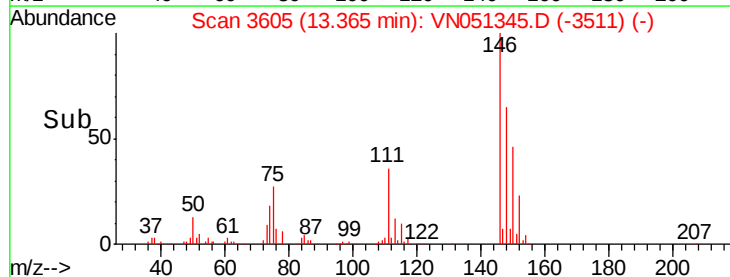
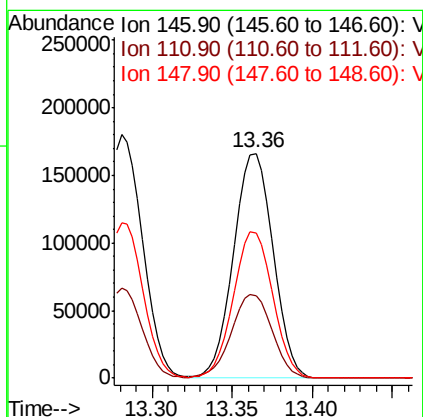
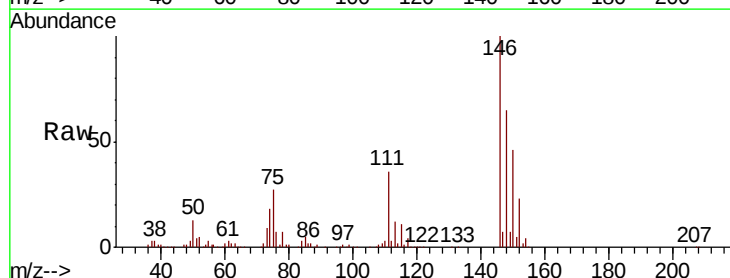
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

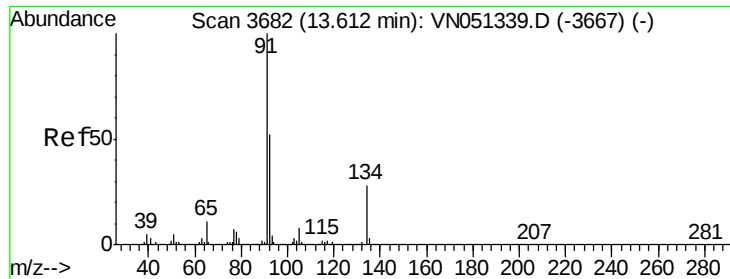
Tot Ion:146 Resp: 294262
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 64.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion:146 Resp: 280488
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.2 54.6
 148 65.0 32.5 97.4

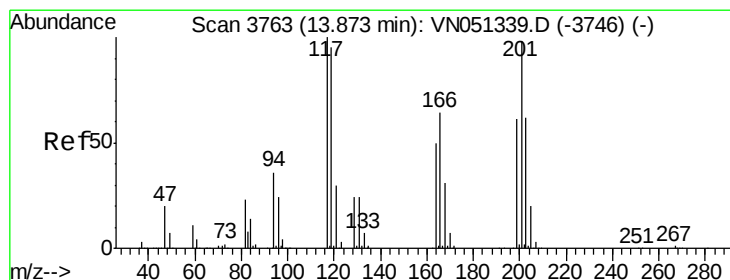
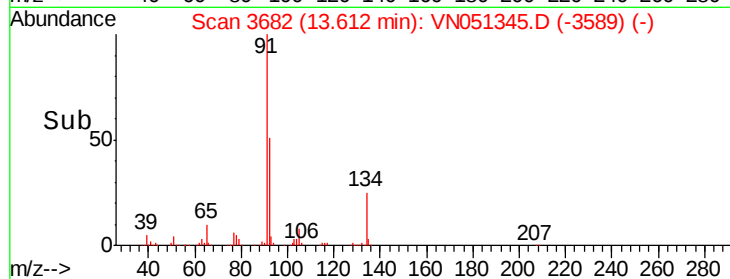
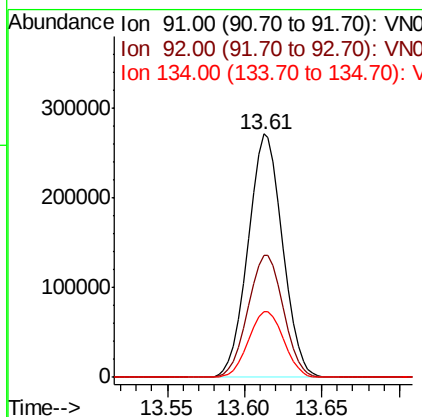
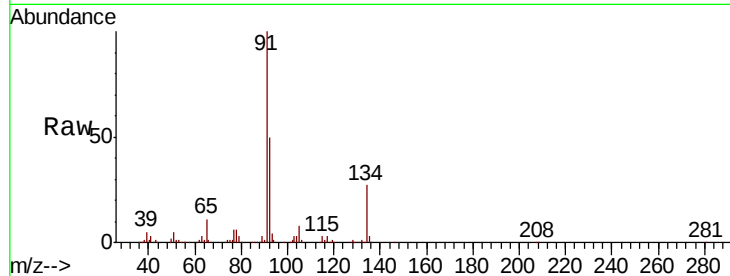




#89
n-Butylbenzene
Concen: 20.91 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

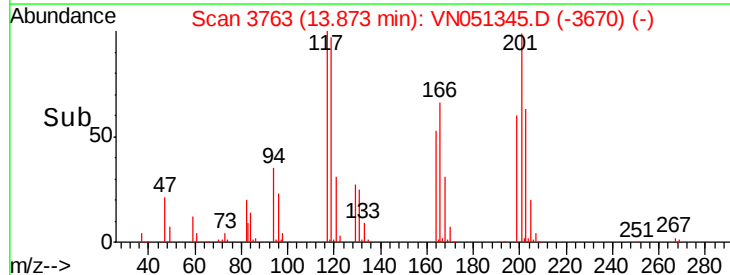
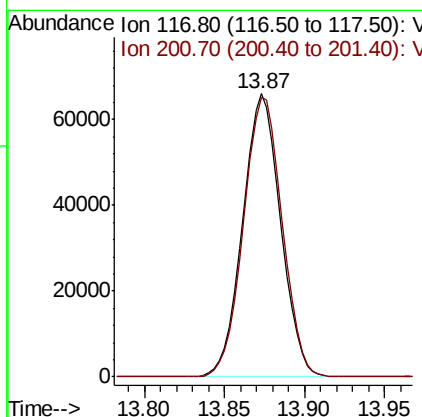
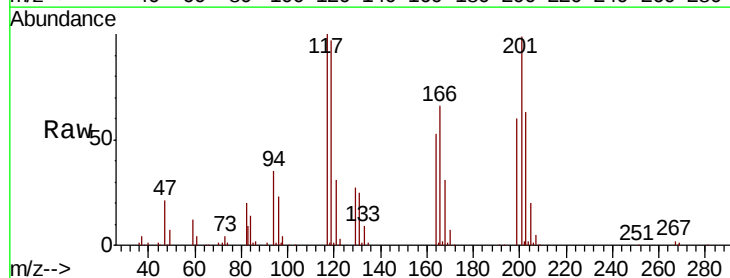
Instrument :
MSVOA_N
ClientSampled :
VN0920WBSD01

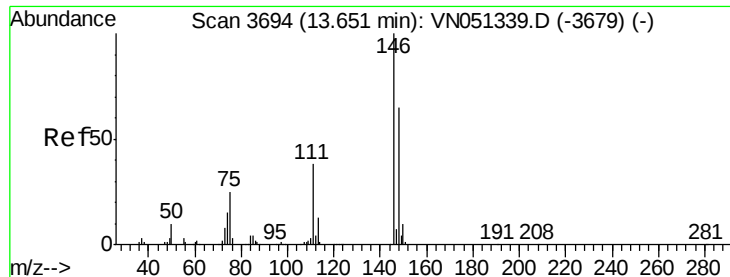
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	27.6	14.1	42.4



#90
Hexachloroethane
Concen: 19.17 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051345.D
Acq: 20 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.8	49.5	148.3





#91

1,2-Dichlorobenzene

Concen: 20.89 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

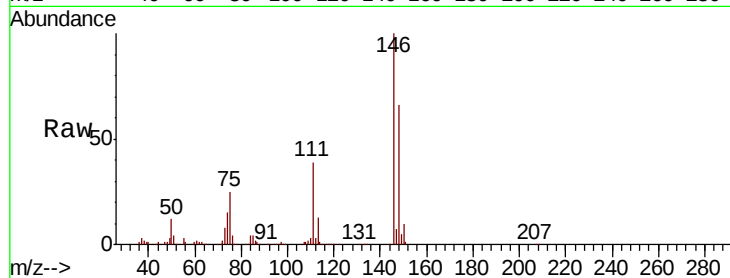
Tot Ion:146 Resp: 289211

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.8

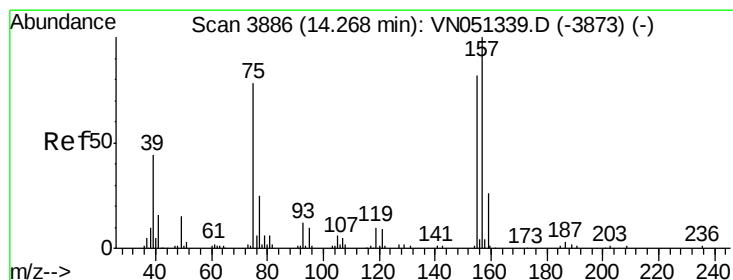
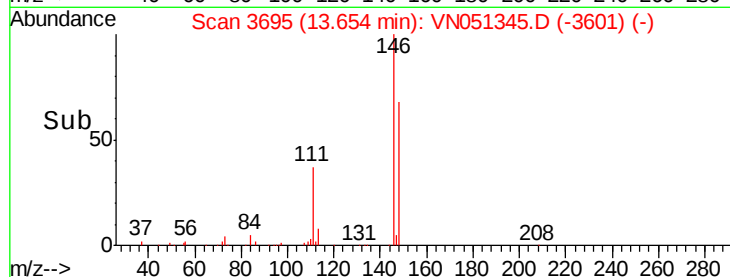
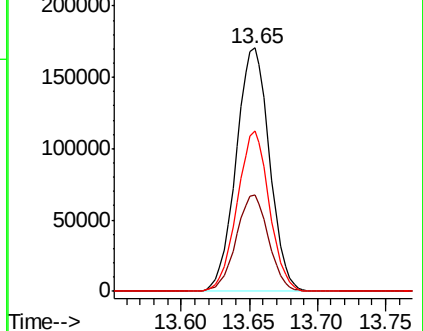
148 63.5 32.9 98.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.14 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

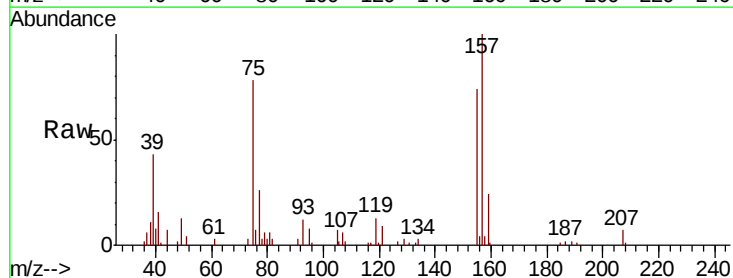
Tgt Ion: 75 Resp: 20320

Ion Ratio Lower Upper

75 100

155 100.0 51.4 154.2

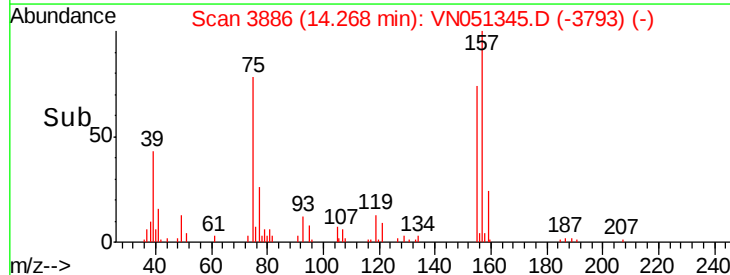
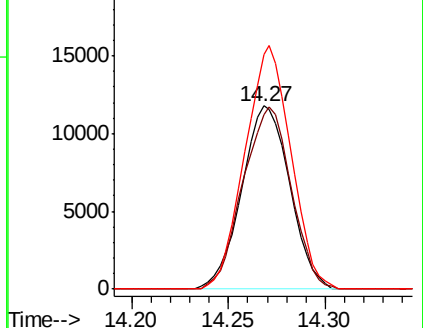
157 127.4 65.4 196.2

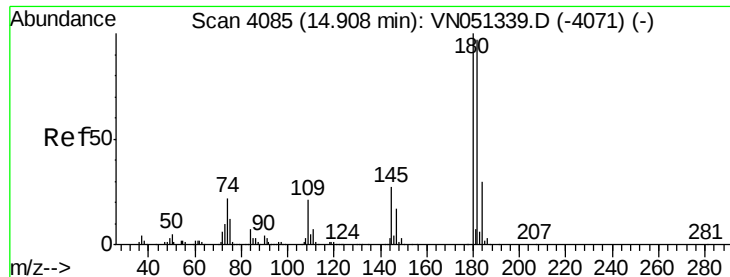


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

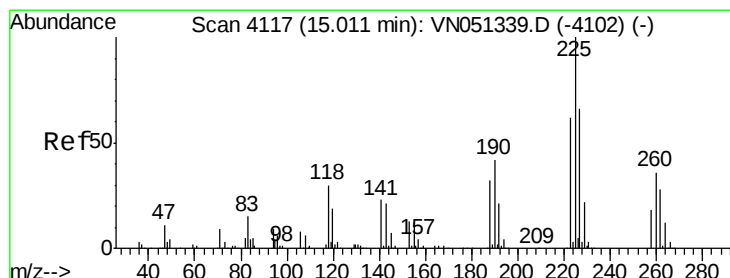
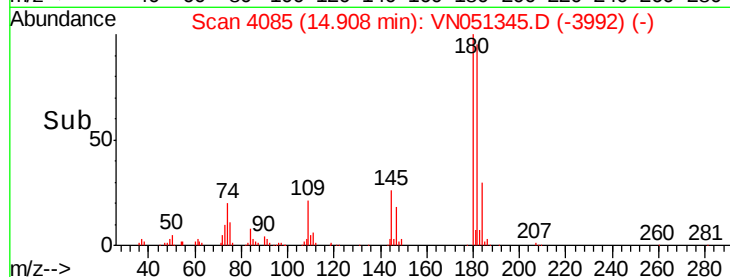
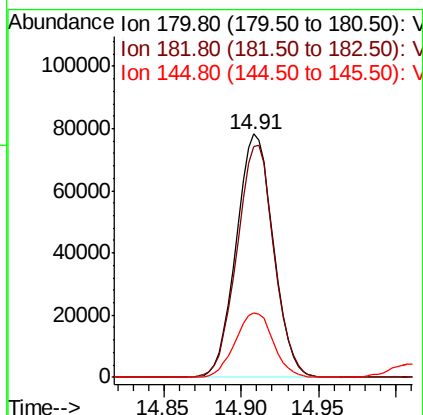
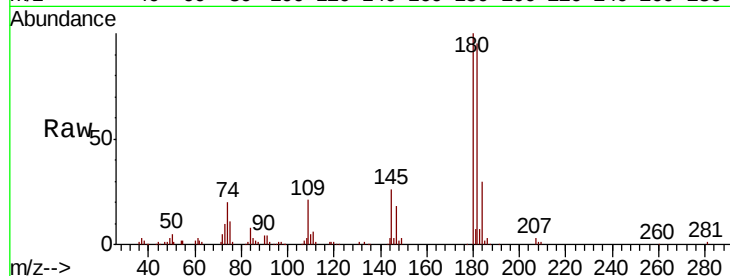




#93
 1,2,4-Trichlorobenzene
 Concen: 20.56 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

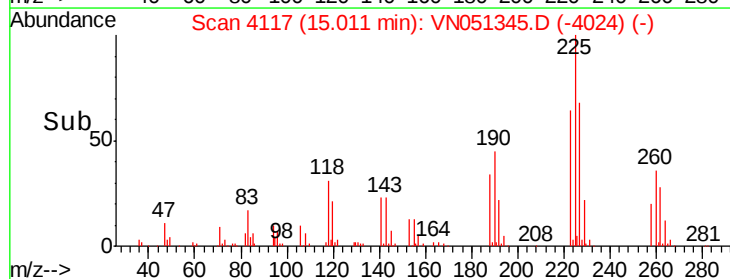
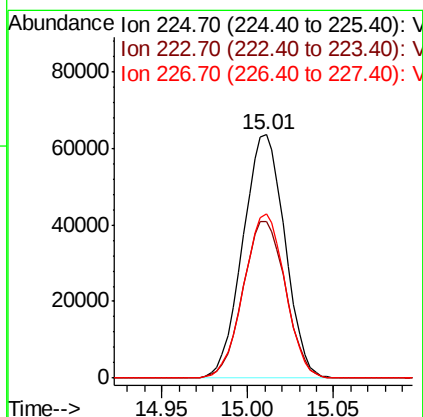
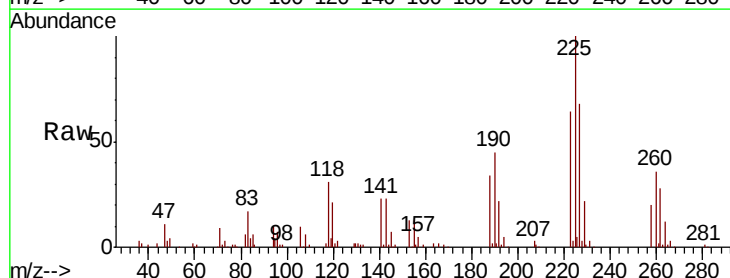
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

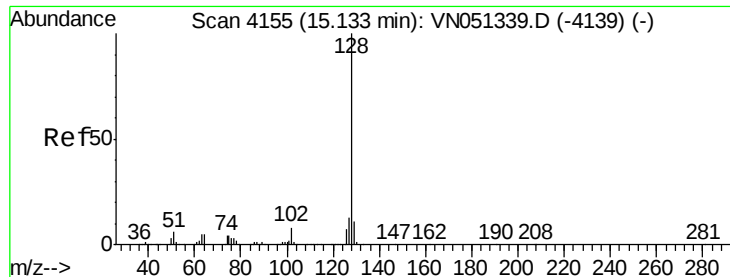
Tot Ion:180 Resp: 130502
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.4 145.2
 145 27.1 13.7 41.1



#94
 Hexachlorobutadiene
 Concen: 20.10 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051345.D
 Acq: 20 Sep 2018 17:42

Tgt Ion:225 Resp: 108021
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.2 93.6
 227 66.5 32.8 98.4





#95

Naphthalene

Concen: 19.58 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

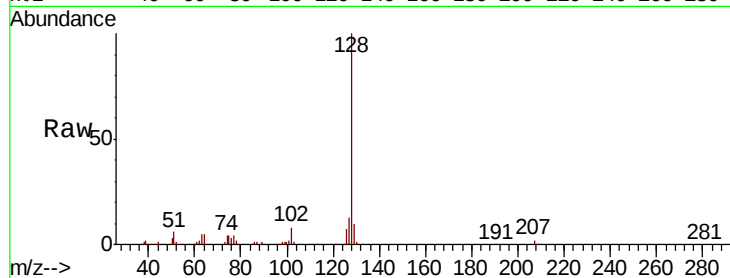
Tot Ion:128 Resp: 219104

Ion Ratio Lower Upper

128 100

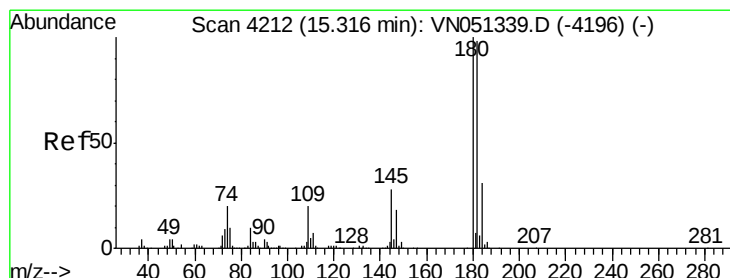
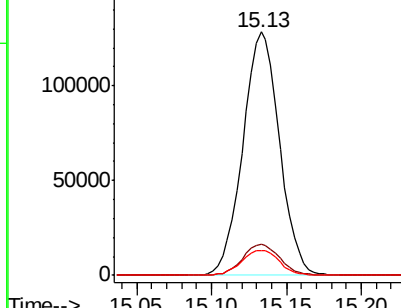
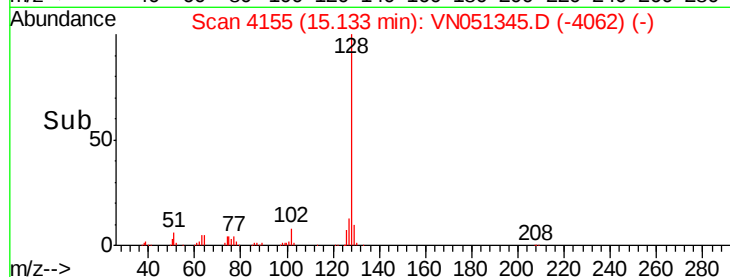
127 13.0 10.3 15.5

129 10.6 8.6 13.0



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

15.13



#96

1,2,3-Trichlorobenzene

Concen: 20.96 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051345.D

Acq: 20 Sep 2018 17:42

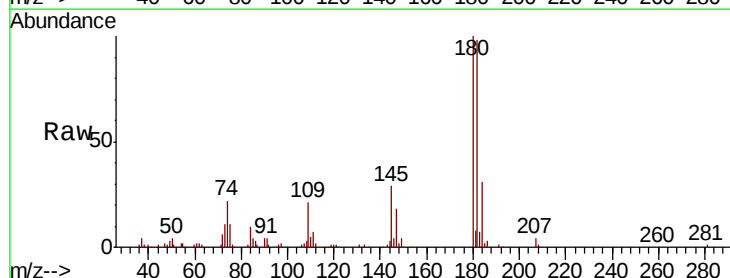
Tgt Ion:180 Resp: 132368

Ion Ratio Lower Upper

180 100

182 97.6 48.1 144.3

145 29.8 14.3 42.9



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

15.31

