

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011420\
 Data File : VN059698.D
 Acq On : 14 Jan 2020 10:56
 Operator : JC/MD
 Sample : VN0114WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Quant Time: Jan 14 22:15:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122670	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.57	113	105130	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
50) Toluene-d8	10.08	98	403587	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	12.40	95	140600	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	51369	21.010	ug/l	100
3) Chloromethane	2.04	50	48503	20.724	ug/l	99
4) Vinyl Chloride	2.17	62	60574	22.620	ug/l	99
5) Bromomethane	2.54	94	36048	22.058	ug/l	98
6) Chloroethane	2.68	64	26944	21.267	ug/l	97
7) Trichlorofluoromethane	3.00	101	68258	21.225	ug/l	97
8) Diethyl Ether	3.38	74	24112	21.364	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38670	21.604	ug/l	93
10) Methyl Iodide	3.93	142	58776	20.315	ug/l	95
11) Tert butyl alcohol	4.72	59	41077	107.480	ug/l	98
12) 1,1-Dichloroethene	3.72	96	38978	20.840	ug/l	87
13) Acrolein	3.58	56	24887	91.990	ug/l	97
14) Allyl chloride	4.29	41	53070	21.051	ug/l #	83
15) Acrylonitrile	4.94	53	92154	105.706	ug/l	100
16) Acetone	3.78	43	84524	103.285	ug/l	97
17) Carbon Disulfide	4.03	76	108871	20.434	ug/l	100
18) Methyl Acetate	4.29	43	56808	21.422	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	129039	21.161	ug/l	96
20) Methylene Chloride	4.52	84	43269	20.297	ug/l #	87
21) trans-1,2-Dichloroethene	5.01	96	41205	20.726	ug/l	89
22) Diisopropyl ether	5.92	45	119756	20.962	ug/l #	93
23) Vinyl Acetate	5.86	43	465463	105.231	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	73347	21.012	ug/l	98
25) 2-Butanone	6.80	43	132066	102.725	ug/l	93
26) 2,2-Dichloropropane	6.79	77	70233	20.928	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	48209	21.082	ug/l	88
28) Bromochloromethane	7.17	49	30905	22.151	ug/l #	76
29) Tetrahydrofuran	7.18	42	83434	104.890	ug/l	89
30) Chloroform	7.35	83	76208	21.070	ug/l	100
31) Cyclohexane	7.63	56	68412	20.367	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	70240	21.004	ug/l	96
36) 1,1-Dichloropropene	7.77	75	56479	20.448	ug/l	95
37) Ethyl Acetate	6.90	43	52890	20.416	ug/l	96
38) Carbon Tetrachloride	7.75	117	61922	20.609	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70237	20.623	ug/l	93
40) Benzene	8.02	78	170728	20.726	ug/l	99
41) Methacrylonitrile	7.18	41	77186	60.490	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58835	21.066	ug/l	95
43) Isopropyl Acetate	8.14	43	92496	20.758	ug/l	97
44) Trichloroethene	8.82	130	48058	21.371	ug/l	90
45) 1,2-Dichloropropane	9.10	63	43126	21.157	ug/l	99
46) Dibromomethane	9.19	93	30700	21.351	ug/l	91
47) Bromodichloromethane	9.39	83	61206	21.123	ug/l	98
48) Methyl methacrylate	9.18	41	41246	20.694	ug/l	91
49) 1,4-Dioxane	9.18	88	16544	453.425	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	270117	104.866	ug/l	96
52) Toluene	10.14	92	109782	21.099	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	66793	20.645	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72414	21.272	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	42953	20.843	ug/l	98
56) Ethyl methacrylate	10.42	69	65840	20.909	ug/l	92
57) 1,3-Dichloropropane	10.70	76	70041	21.408	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	110863	116.890	ug/l	91
59) 2-Hexanone	10.74	43	201331	106.097	ug/l	94
60) Dibromochloromethane	10.89	129	49225	20.976	ug/l	98
61) 1,2-Dibromoethane	10.99	107	45936	21.267	ug/l	98
64) Tetrachloroethene	10.62	164	45259	19.565	ug/l	94
65) Chlorobenzene	11.43	112	117165	21.002	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	45472	21.095	ug/l	99
67) Ethyl Benzene	11.50	91	211378	20.872	ug/l	98
68) m/p-Xylenes	11.61	106	160274	41.897	ug/l	94
69) o-Xylene	11.94	106	78034	20.836	ug/l	95
70) Styrene	11.96	104	129983	20.741	ug/l	97
71) Bromoform	12.12	173	36256	20.998	ug/l #	100
73) Isopropylbenzene	12.24	105	210012	21.299	ug/l	99
74) N-amyl acetate	12.06	43	79076	20.668	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	61532	21.526	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	80040	35.375	ug/l #	100
77) Bromobenzene	12.52	156	52918	21.193	ug/l	82
78) n-propylbenzene	12.59	91	231220	20.893	ug/l	98
79) 2-Chlorotoluene	12.67	91	136380	20.714	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	177566	21.413	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21623	20.523	ug/l	92
82) 4-Chlorotoluene	12.77	91	138730	21.008	ug/l	96
83) tert-Butylbenzene	12.99	119	153187	21.359	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	173440	21.141	ug/l	98
85) sec-Butylbenzene	13.17	105	196904	20.897	ug/l	99
86) p-Isopropyltoluene	13.28	119	182571	20.940	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	90453	20.854	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	91564	21.161	ug/l	97
89) n-Butylbenzene	13.61	91	155306	20.891	ug/l	98
90) Hexachloroethane	13.87	117	33185	20.343	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	90634	21.137	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13881	21.431	ug/l	88

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	55019	21.354	ug/l	99
94) Hexachlorobutadiene	15.01	225	29949	21.093	ug/l	97
95) Naphthalene	15.13	128	151655	20.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52321	20.862	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

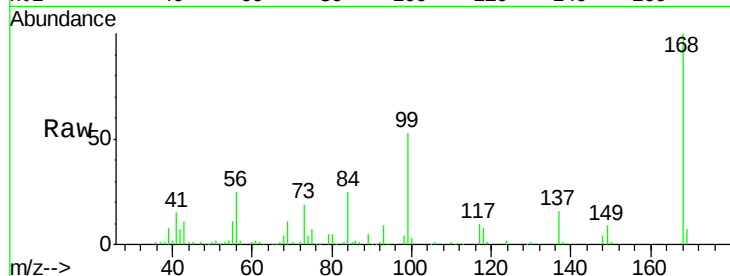
VN0114WBS01

Tgt Ion:168 Resp: 204430

Ion Ratio Lower Upper

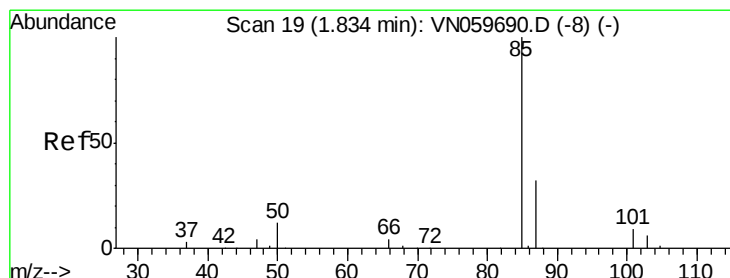
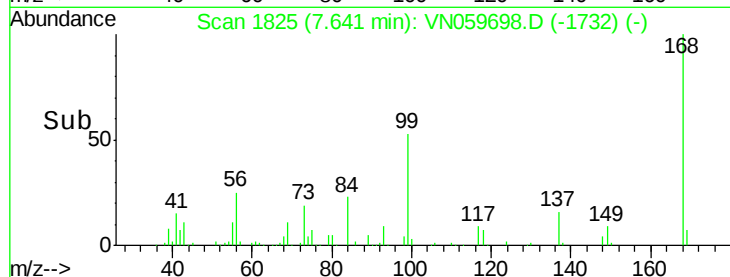
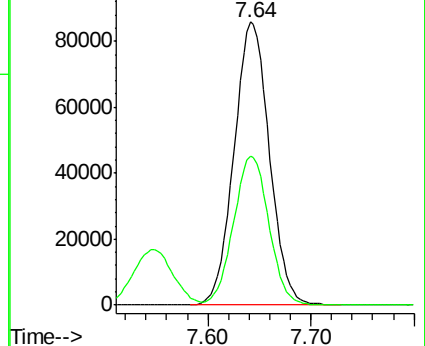
168 100

99 52.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.010 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059698.D

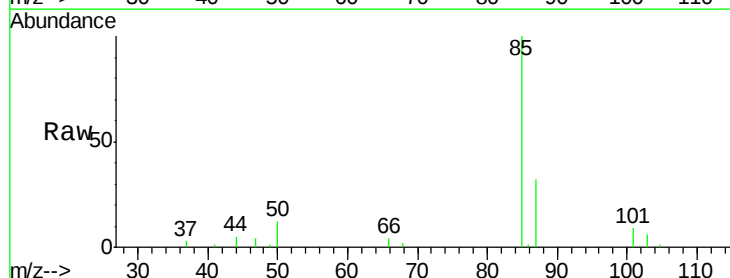
Acq: 14 Jan 2020 10:56

Tgt Ion: 85 Resp: 51369

Ion Ratio Lower Upper

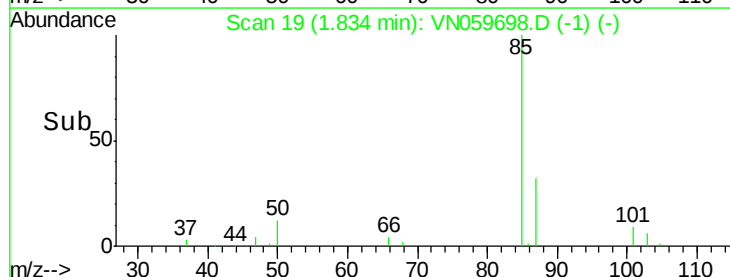
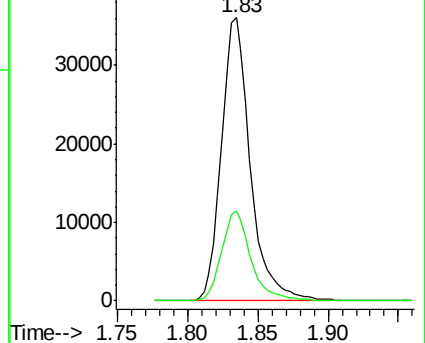
85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.724 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

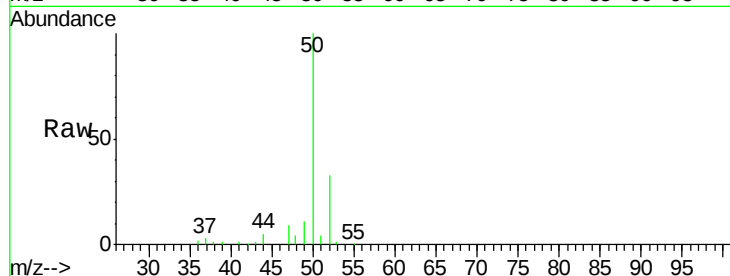
VN0114WBS01

Tgt Ion: 50 Resp: 48503

Ion Ratio Lower Upper

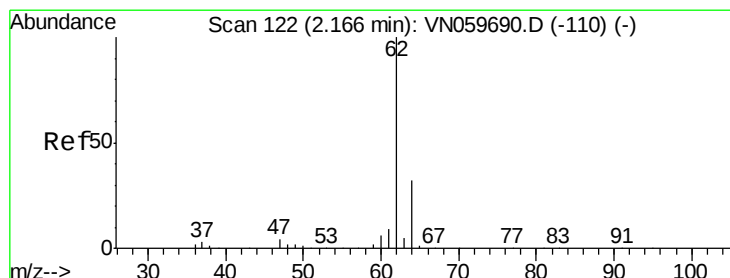
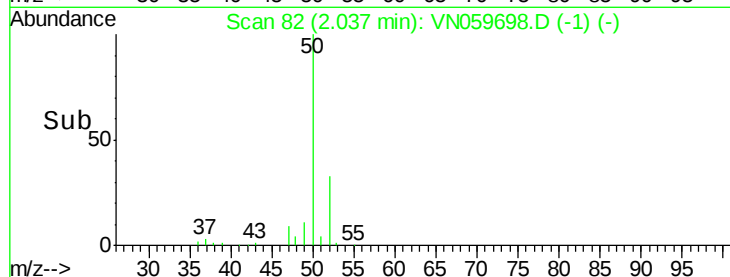
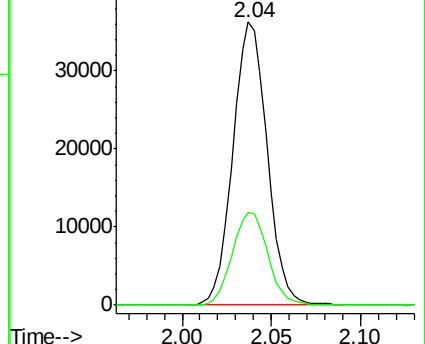
50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 22.620 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059698.D

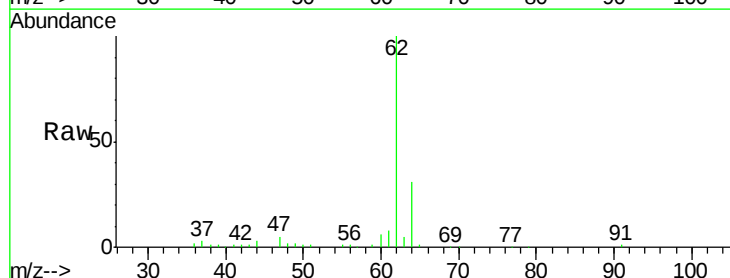
Acq: 14 Jan 2020 10:56

Tgt Ion: 62 Resp: 60574

Ion Ratio Lower Upper

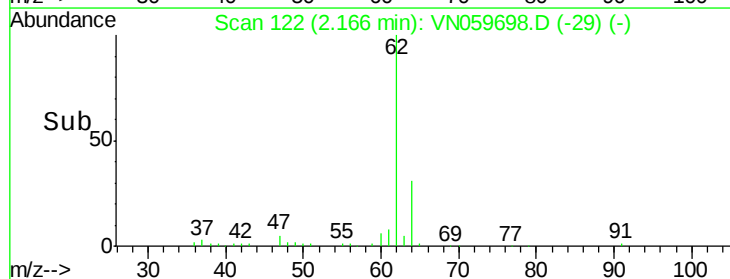
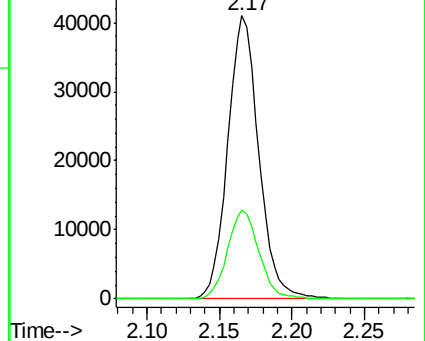
62 100

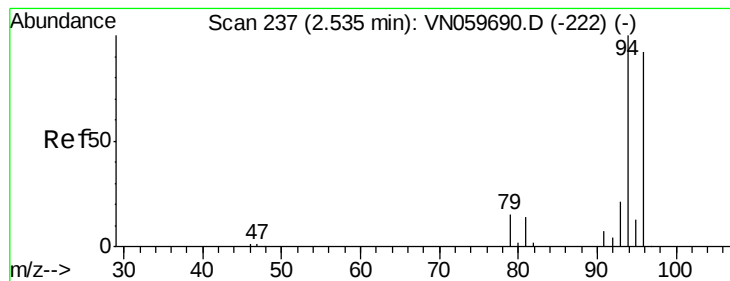
64 31.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.058 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

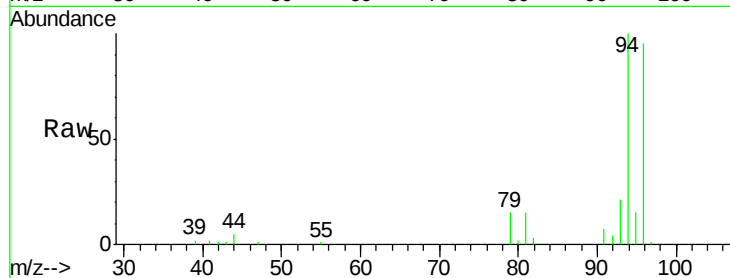
VN0114WBS01

Tgt Ion: 94 Resp: 36048

Ion Ratio Lower Upper

94 100

96 94.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

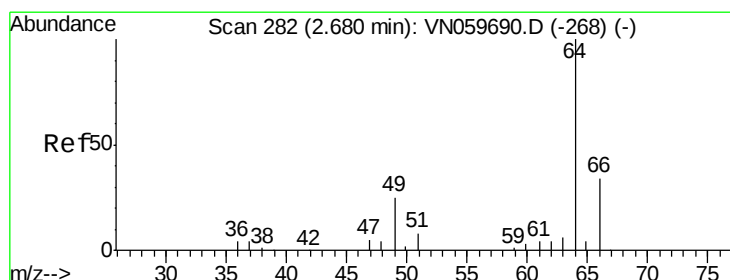
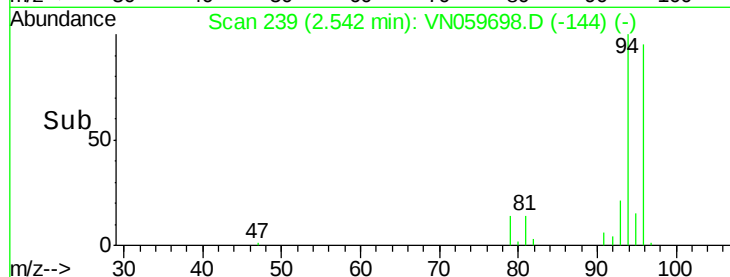
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.267 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059698.D

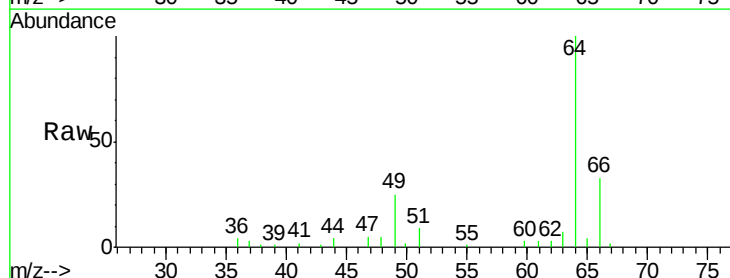
Acq: 14 Jan 2020 10:56

Tgt Ion: 64 Resp: 26944

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

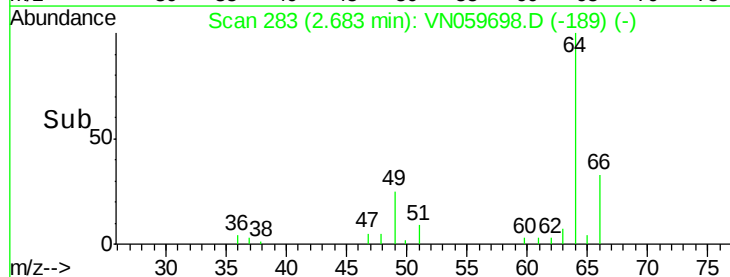
15000

10000

5000

0

Time-->



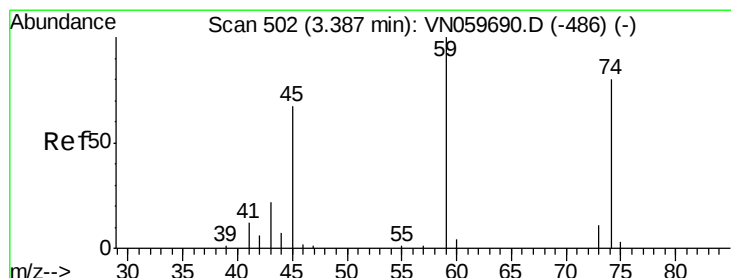
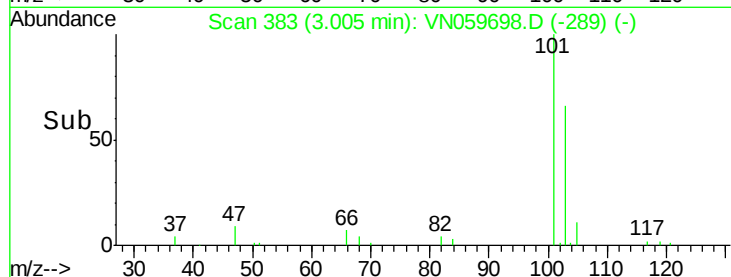
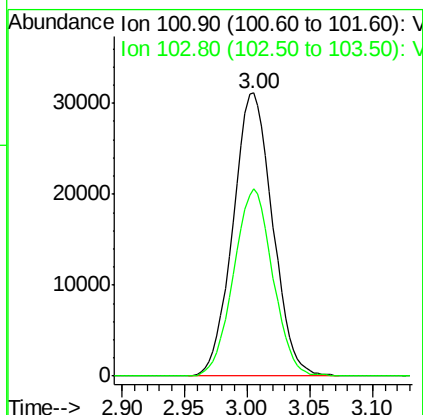
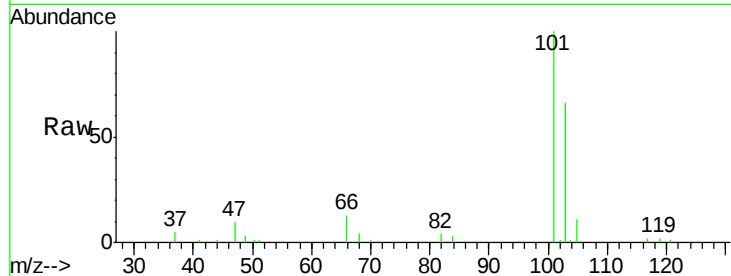


#7

Trichlorofluoromethane
 Concen: 21.225 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Instrument :
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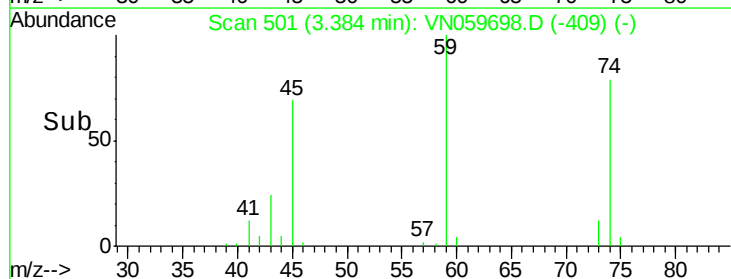
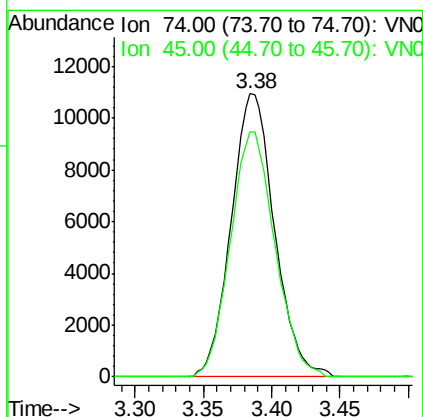
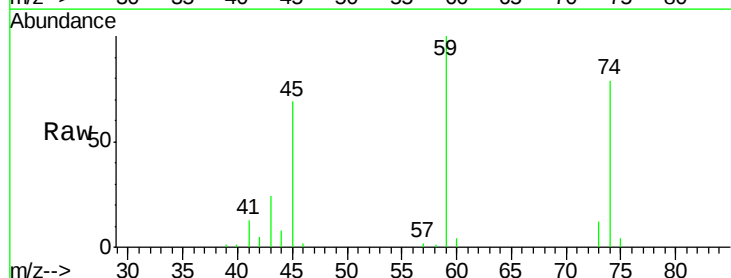
Tgt Ion:101 Resp: 68258
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.0 76.6



#8

Diethyl Ether
 Concen: 21.364 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion: 74 Resp: 24112
 Ion Ratio Lower Upper
 74 100
 45 88.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.604 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

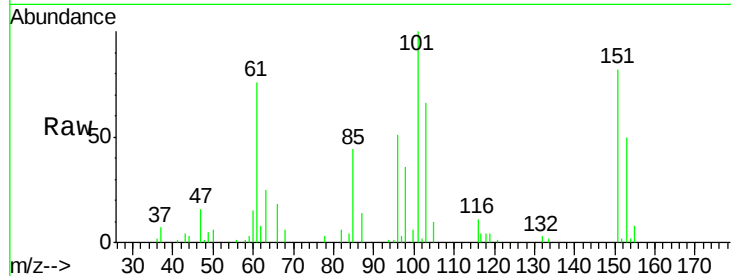
Tgt Ion:101 Resp: 38670

Ion Ratio Lower Upper

101 100

85 44.9 36.6 54.8

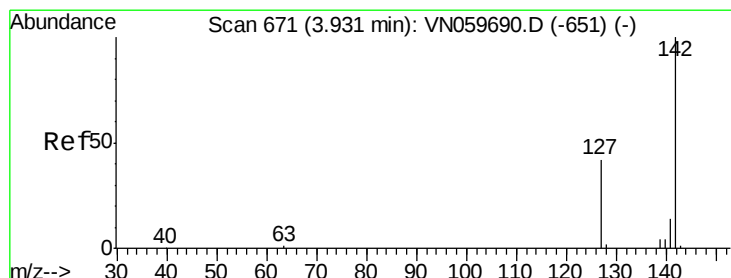
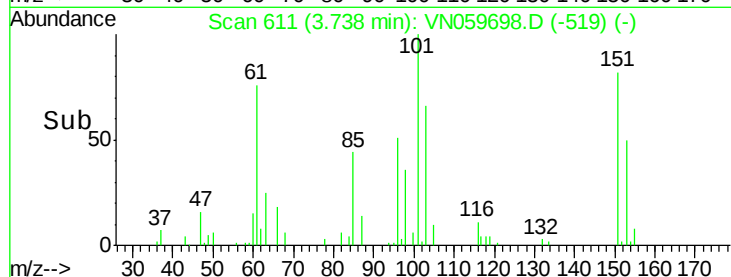
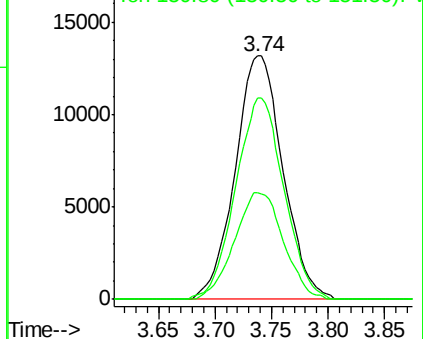
151 83.5 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.315 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

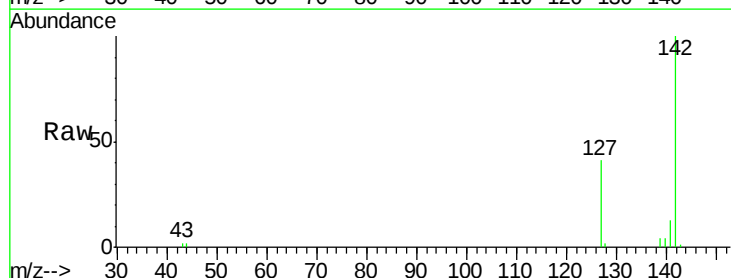
Tgt Ion:142 Resp: 58776

Ion Ratio Lower Upper

142 100

127 41.5 36.7 55.1

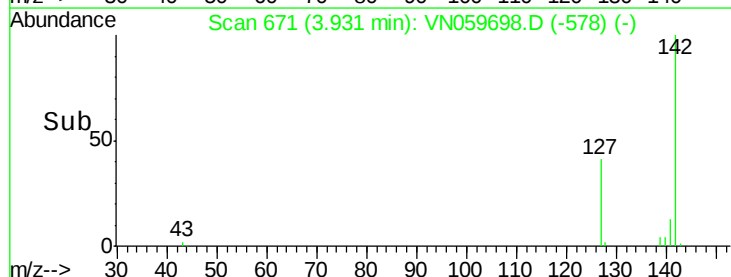
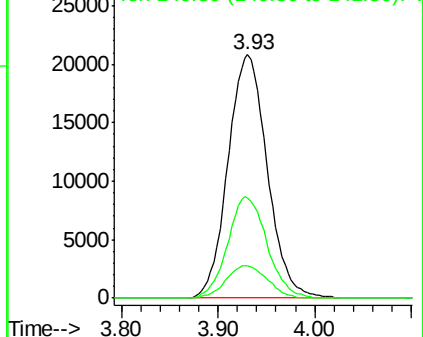
141 14.0 11.7 17.5

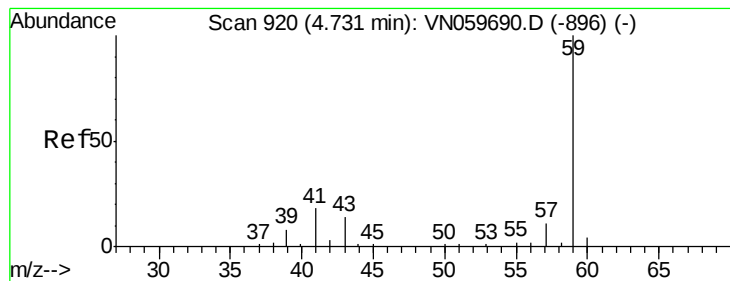


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



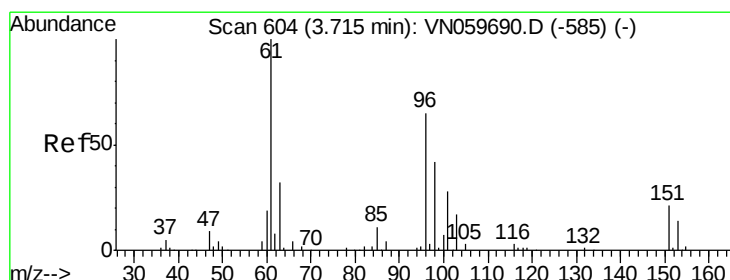
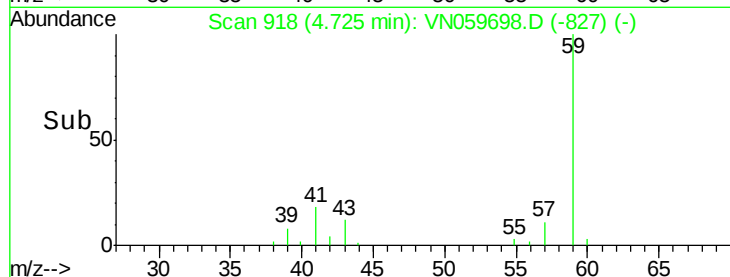
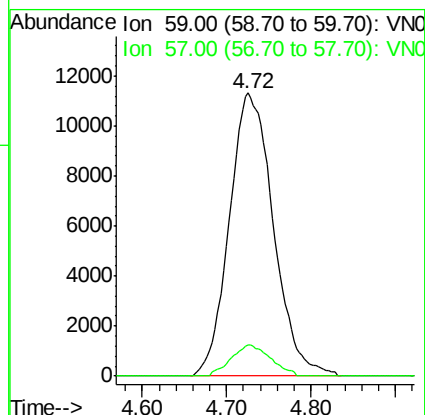
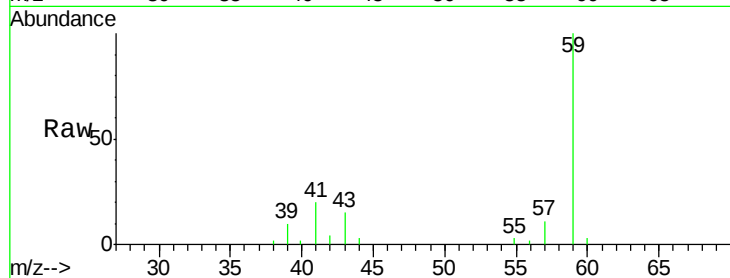


#11

Tert butyl alcohol
 Concen: 107.480 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBS01

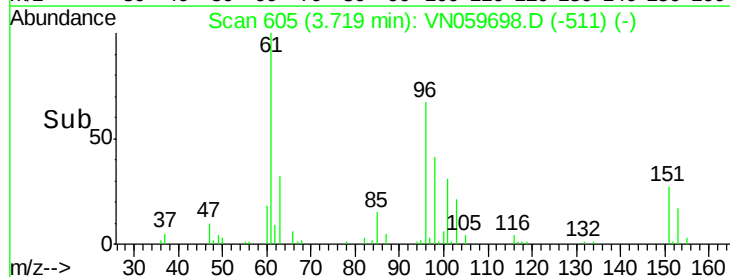
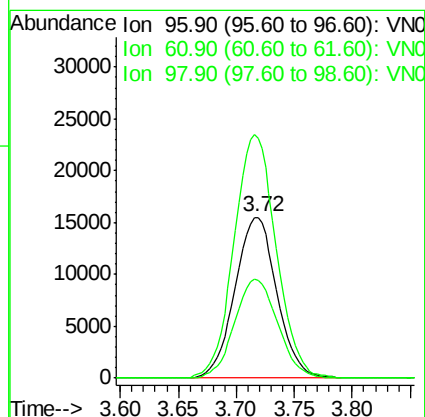
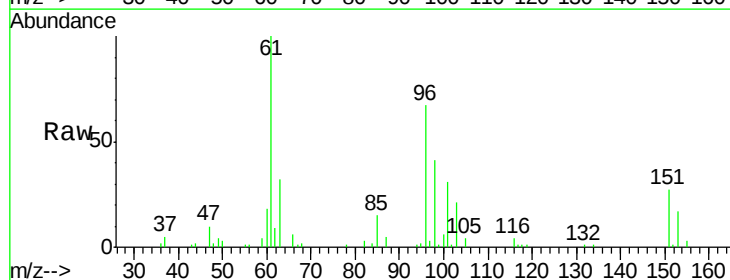
Tgt Ion: 59 Resp: 41077
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.6 12.8



#12

1,1-Dichloroethene
 Concen: 20.840 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion: 96 Resp: 38978
 Ion Ratio Lower Upper
 96 100
 61 149.4 137.5 206.3
 98 60.8 50.2 75.4





#13

Acrolein

Concen: 91.990 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampled :

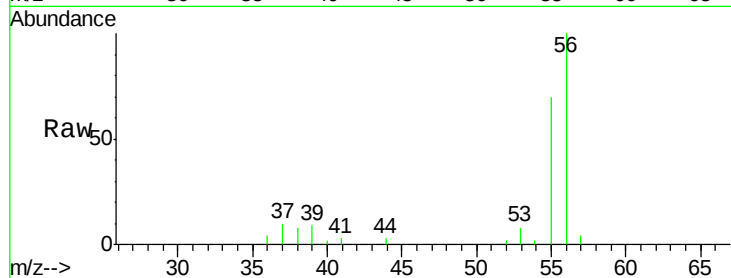
VN0114WBS01

Tgt Ion: 56 Resp: 24887

Ion Ratio Lower Upper

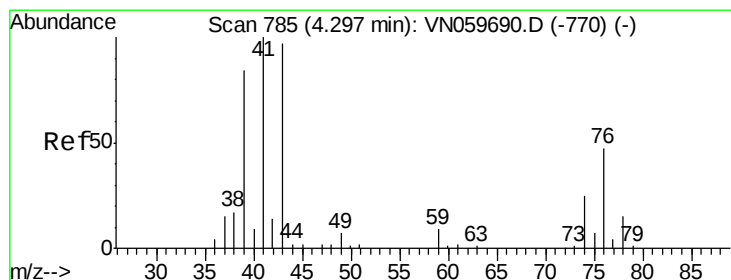
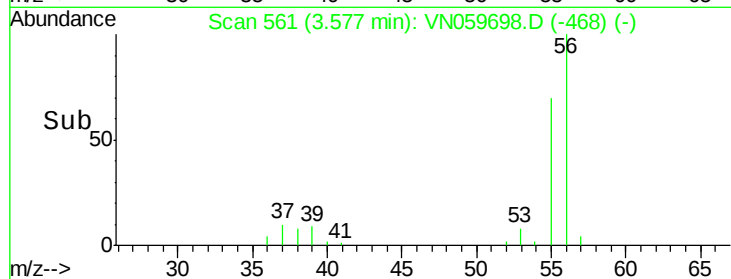
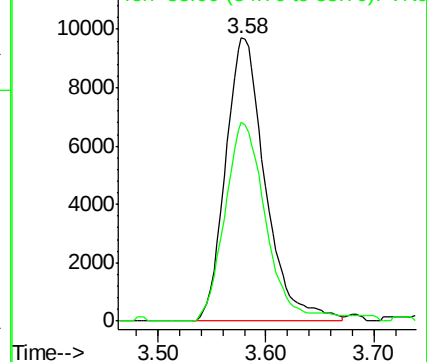
56 100

55 70.8 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.051 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

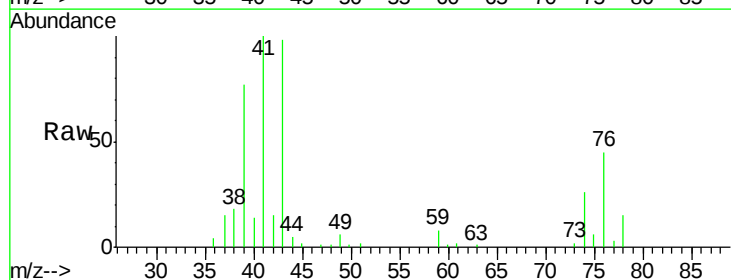
Tgt Ion: 41 Resp: 53070

Ion Ratio Lower Upper

41 100

39 83.4 57.8 86.8

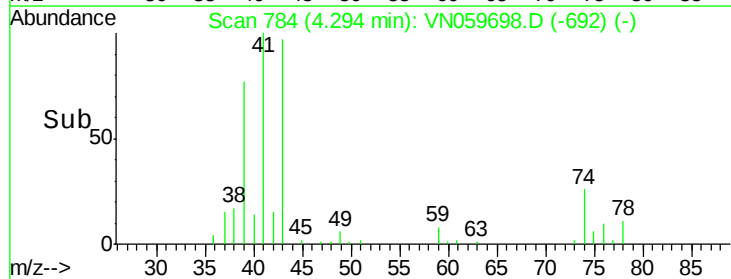
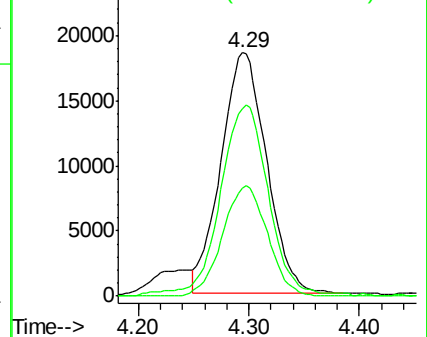
76 45.0 25.4 38.0#

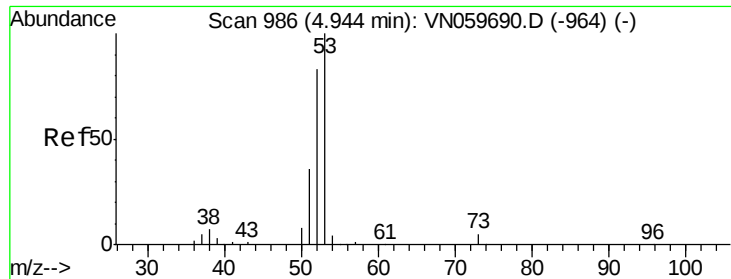


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.706 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

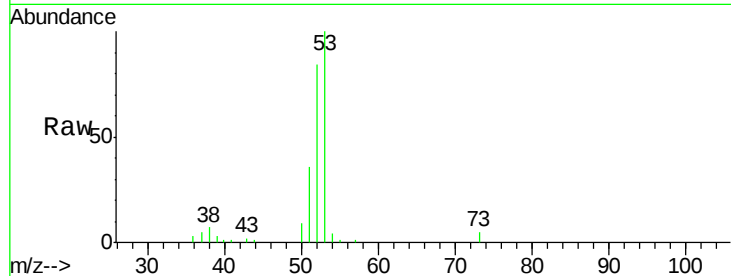
Tgt Ion: 53 Resp: 92154

Ion Ratio Lower Upper

53 100

52 82.9 66.3 99.5

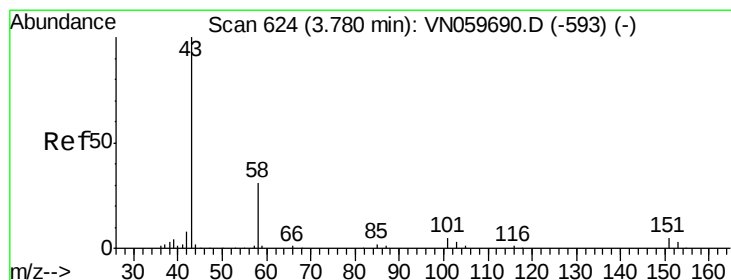
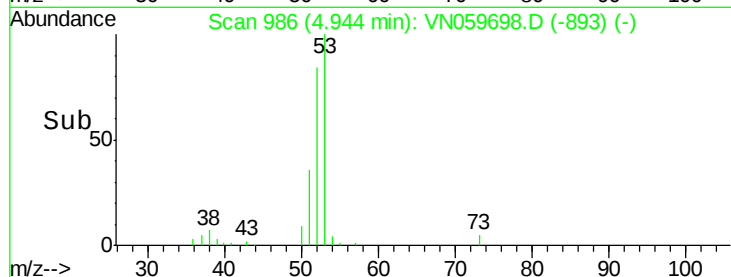
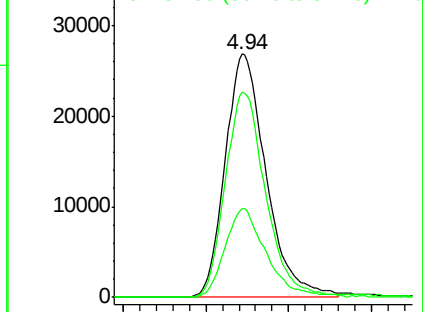
51 36.8 29.7 44.5



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: 103.285 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059698.D

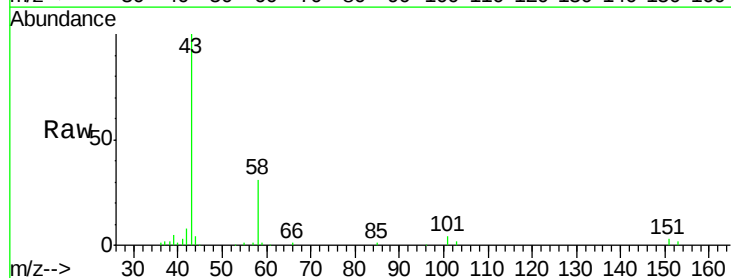
Acq: 14 Jan 2020 10:56

Tgt Ion: 43 Resp: 84524

Ion Ratio Lower Upper

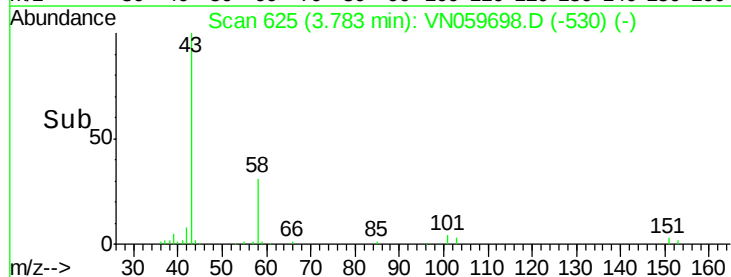
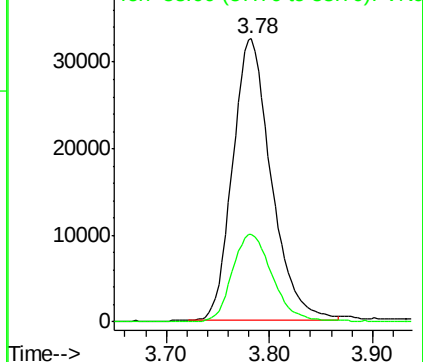
43 100

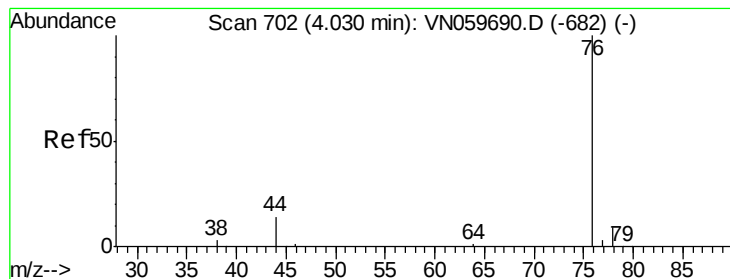
58 31.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 20.434 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

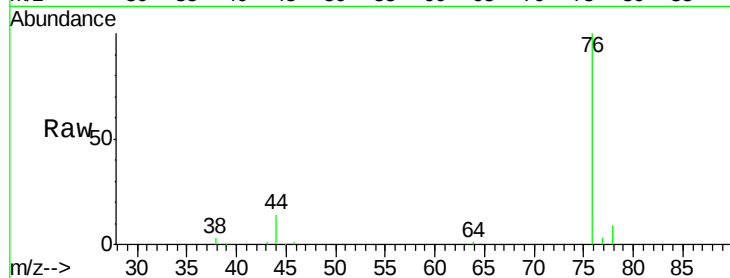
VN0114WBS01

Tgt Ion: 76 Resp: 108871

Ion Ratio Lower Upper

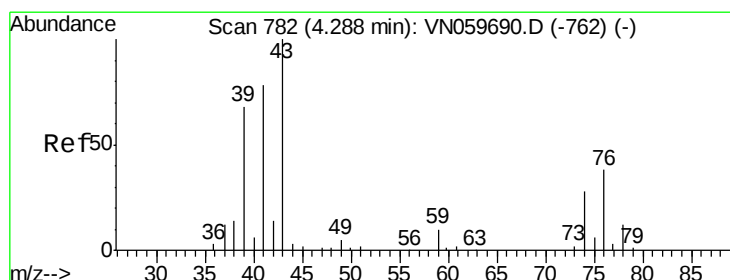
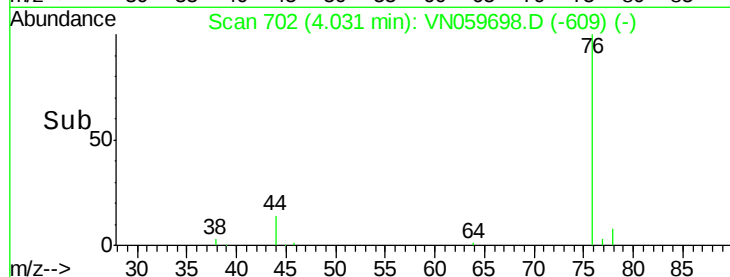
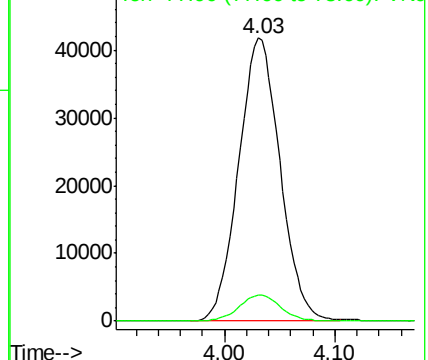
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.422 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059698.D

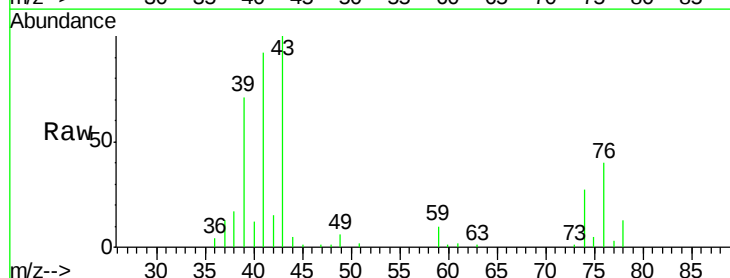
Acq: 14 Jan 2020 10:56

Tgt Ion: 43 Resp: 56808

Ion Ratio Lower Upper

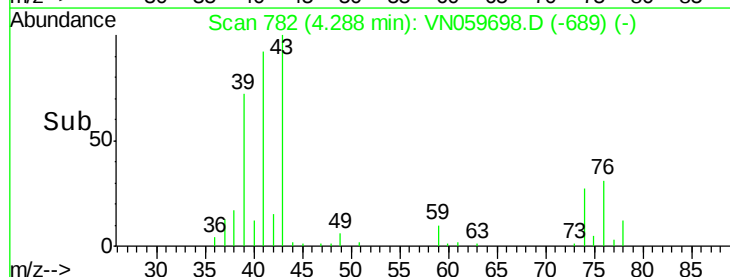
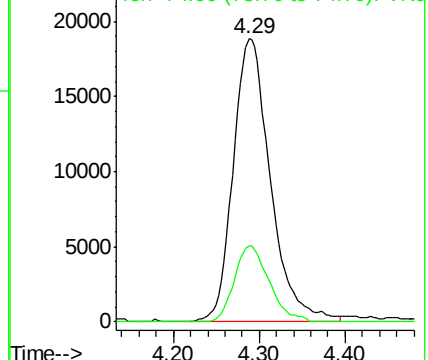
43 100

74 25.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

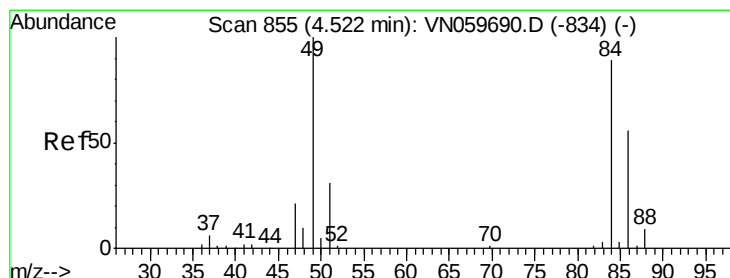
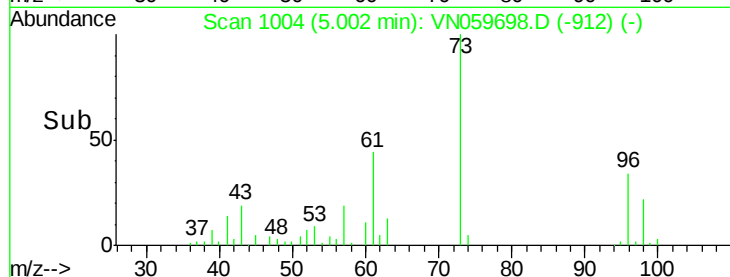
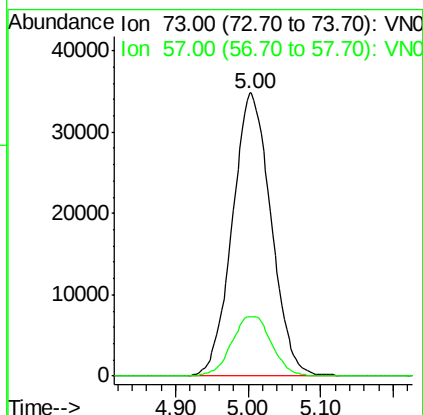
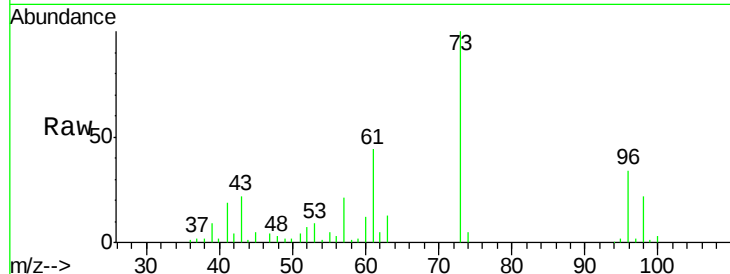




#19
Methyl tert-butyl Ether
Concen: 21.161 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

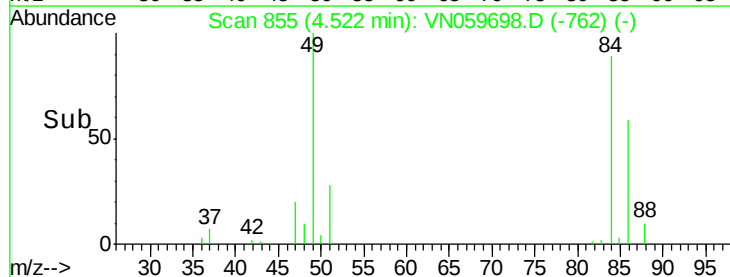
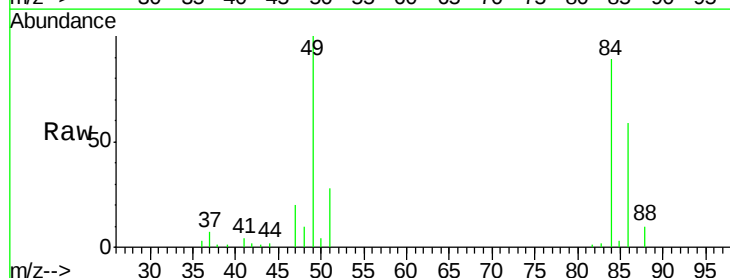
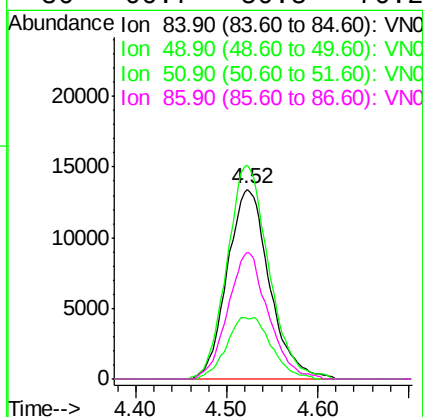
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

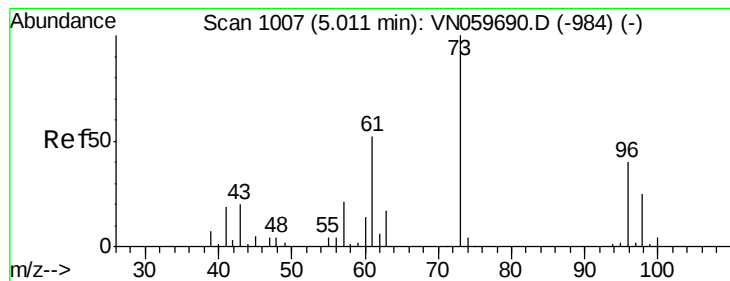
Tgt Ion: 73 Resp: 129039
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8



#20
Methylene Chloride
Concen: 20.297 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 84 Resp: 43269
Ion Ratio Lower Upper
84 100
49 112.5 106.6 160.0
51 31.9 31.9 47.9#
86 66.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.726 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampled :

VN0114WBS01

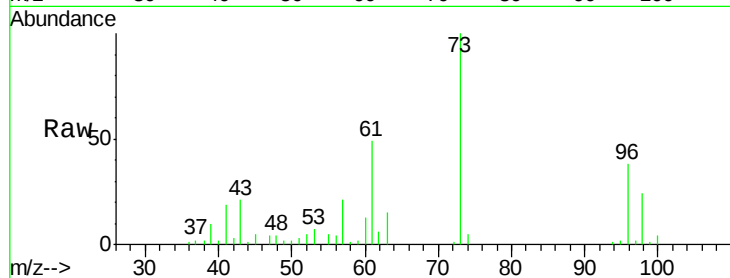
Tgt Ion: 96 Resp: 41205

Ion Ratio Lower Upper

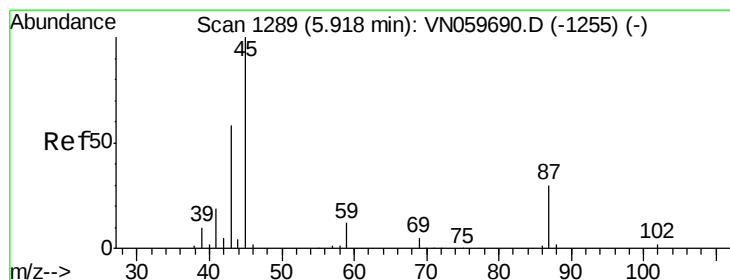
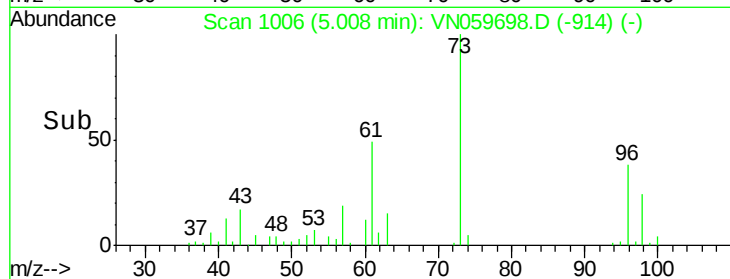
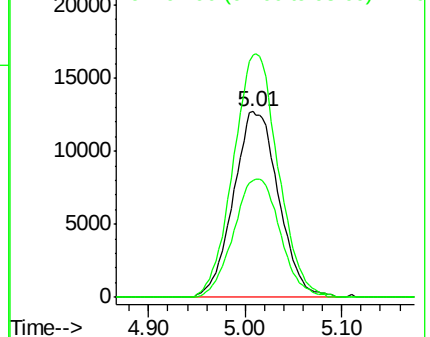
96 100

61 130.6 120.4 180.6

98 62.9 50.6 75.8



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



#22

Diisopropyl ether

Concen: 20.962 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Tgt Ion: 45 Resp: 119756

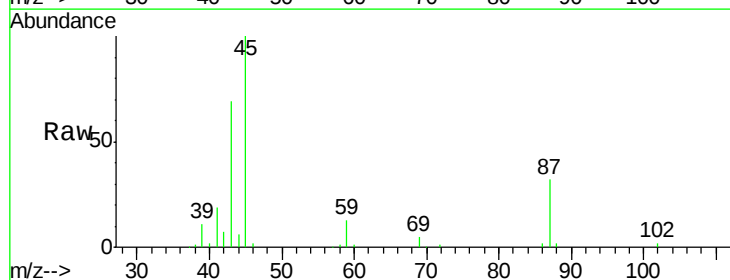
Ion Ratio Lower Upper

45 100

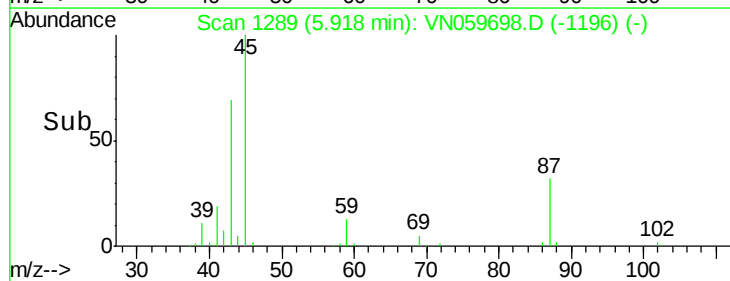
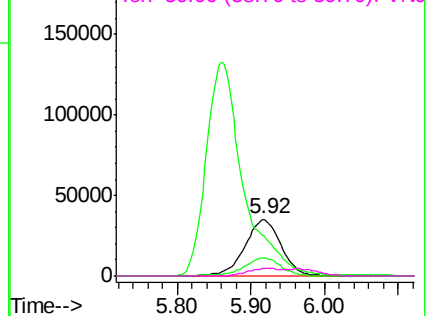
43 67.4 50.8 76.2

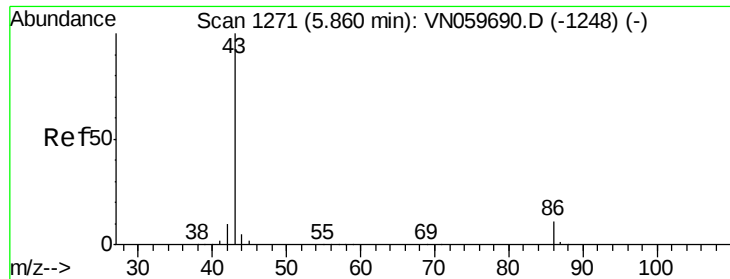
87 32.5 21.0 31.6#

59 13.0 9.1 13.7



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: 105.231 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampled :

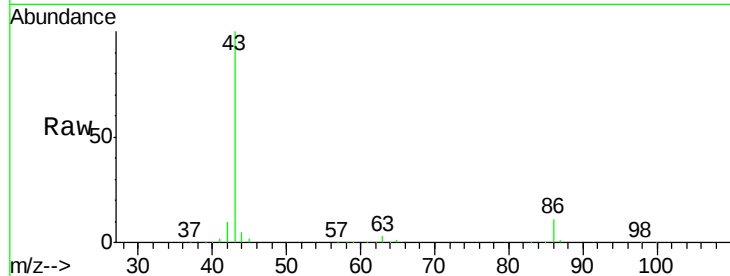
VN0114WBS01

Tgt Ion: 43 Resp: 465463

Ion Ratio Lower Upper

43 100

86 11.4 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

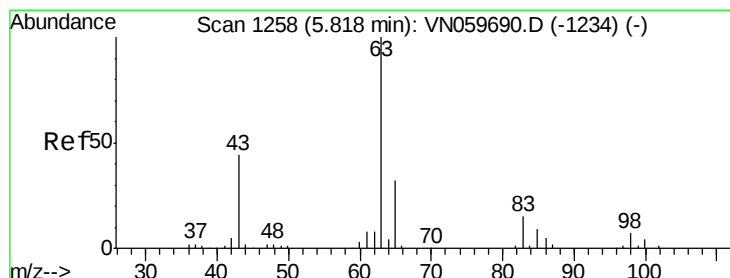
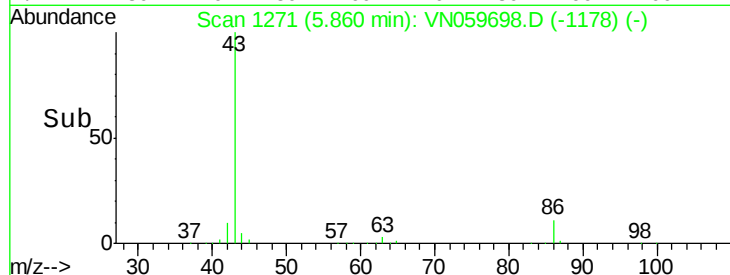
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.012 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

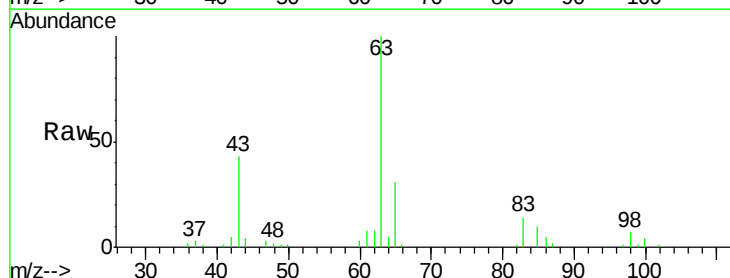
Tgt Ion: 63 Resp: 73347

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

100 4.1 2.0 6.0



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

30000

25000

20000

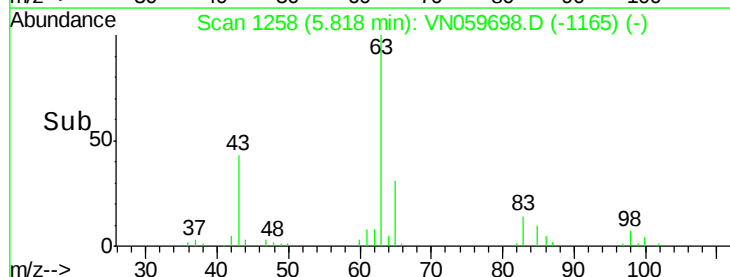
15000

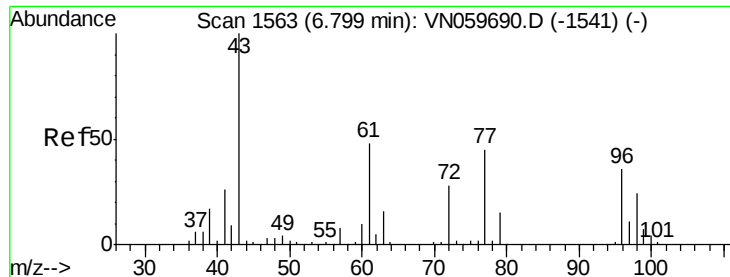
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 102.725 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampled :

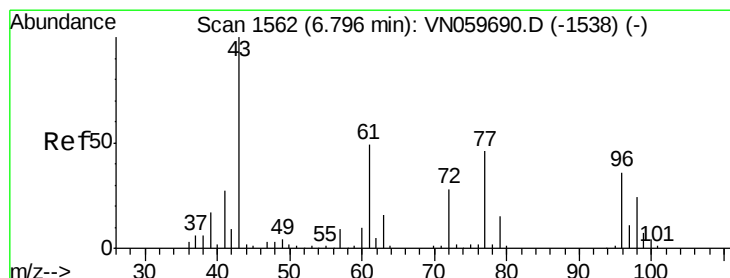
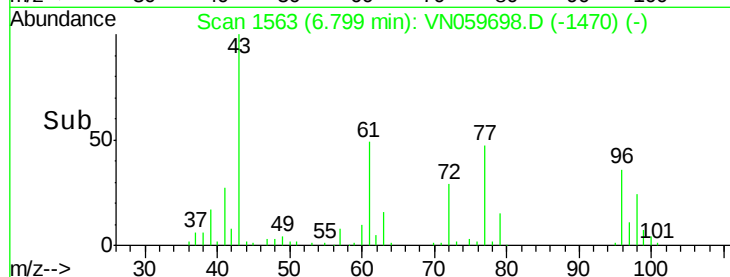
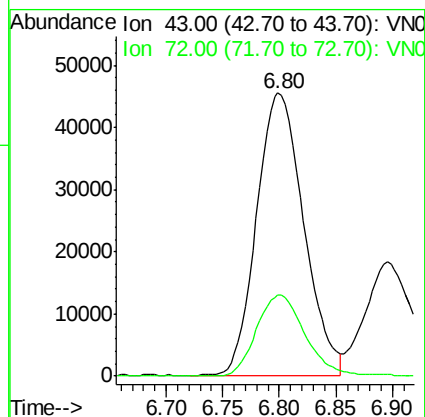
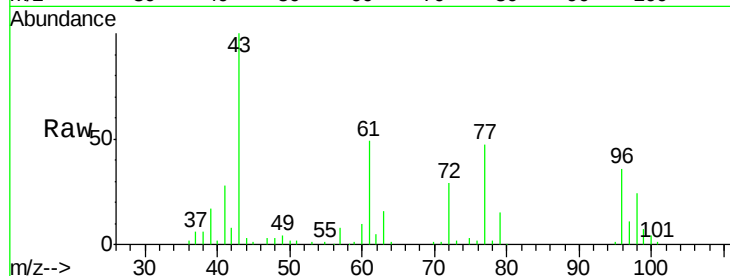
VN0114WBS01

Tgt Ion: 43 Resp: 132066

Ion Ratio Lower Upper

43 100

72 28.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.928 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059698.D

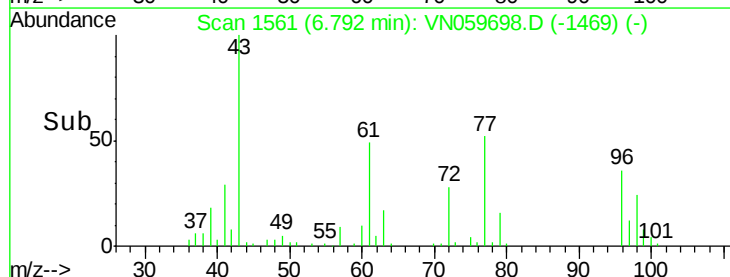
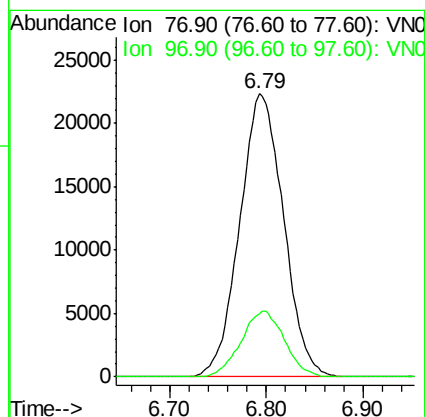
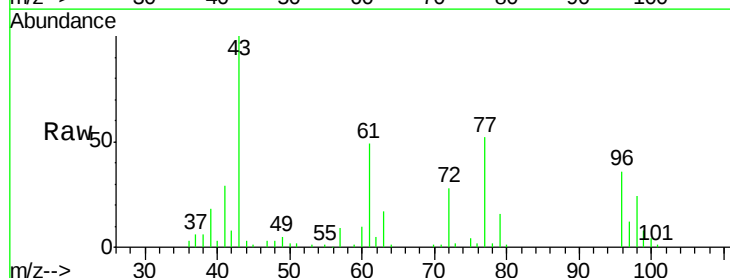
Acq: 14 Jan 2020 10:56

Tgt Ion: 77 Resp: 70233

Ion Ratio Lower Upper

77 100

97 23.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 21.082 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

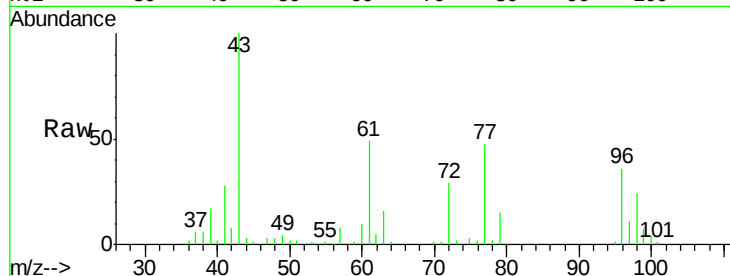
Tgt Ion: 96 Resp: 48209

Ion Ratio Lower Upper

96 100

61 138.1 0.0 317.6

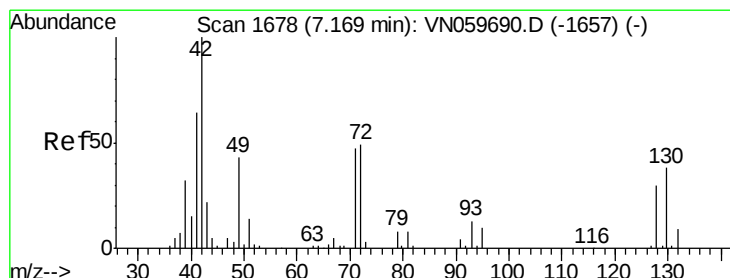
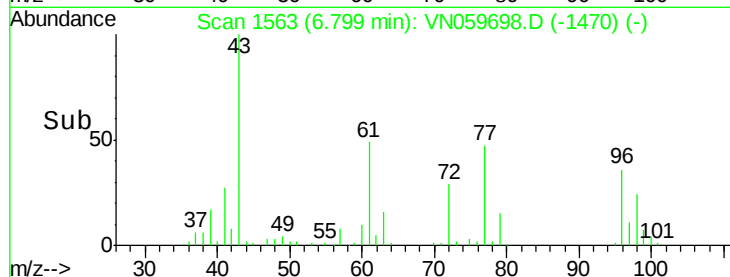
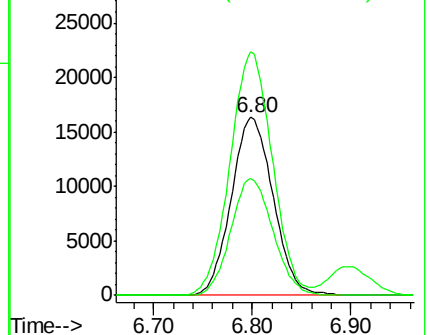
98 65.8 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.151 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

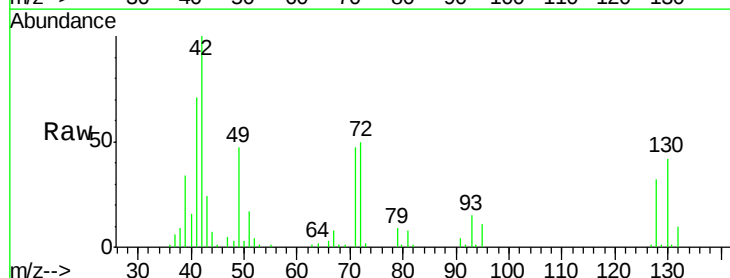
Tgt Ion: 49 Resp: 30905

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.4

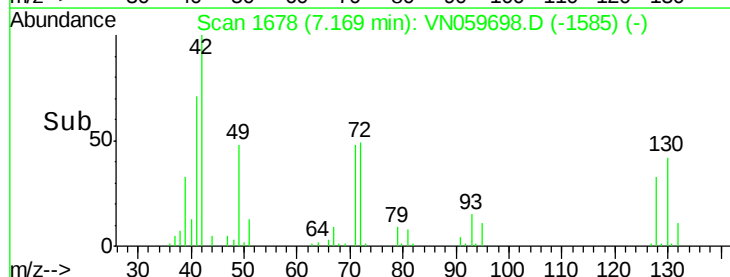
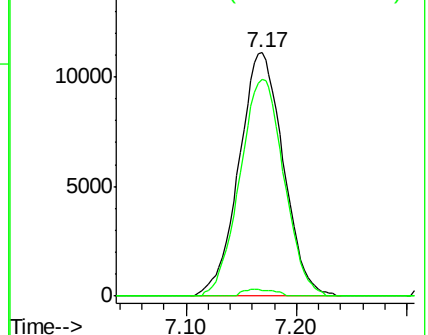
130 88.3 54.7 82.1#

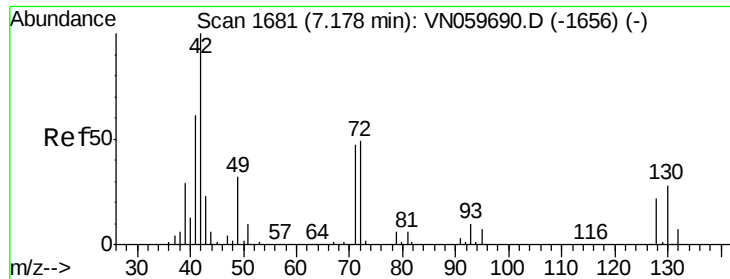


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

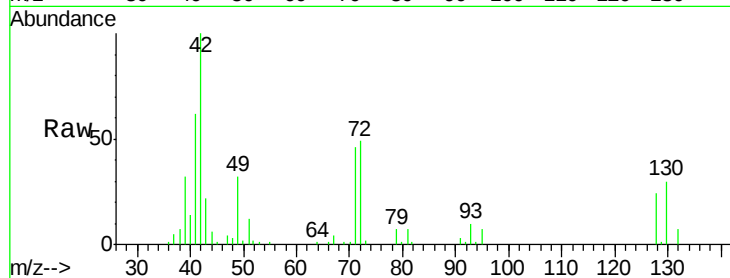




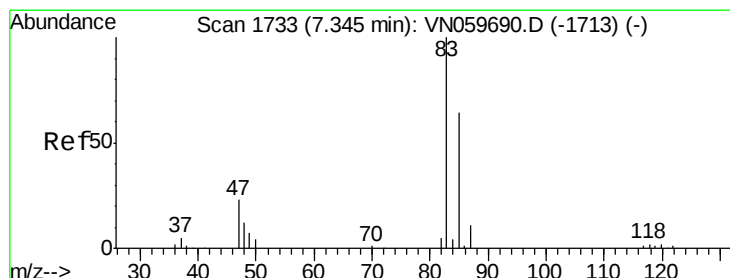
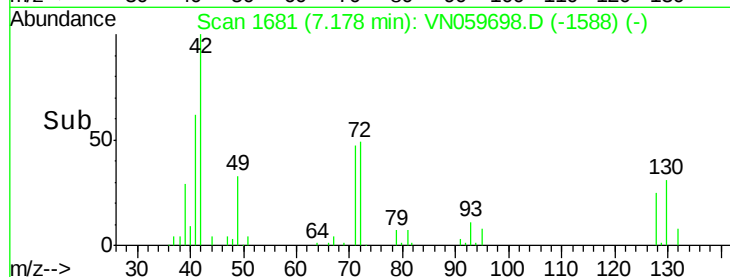
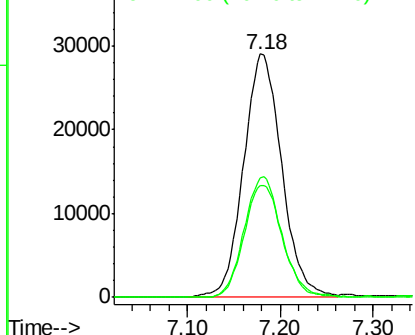
#29
Tetrahydrofuran
Concen: 104.890 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Tgt Ion: 42 Resp: 83434
Ion Ratio Lower Upper
42 100
72 48.8 33.1 49.7
71 45.9 31.4 47.0

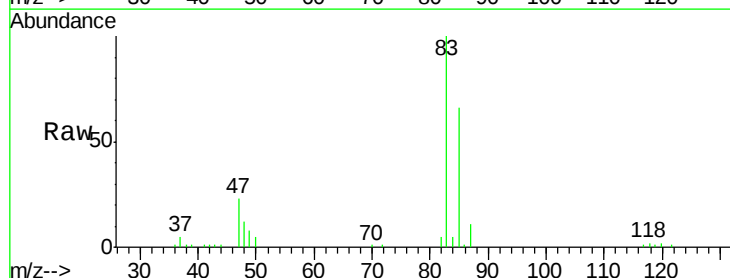


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

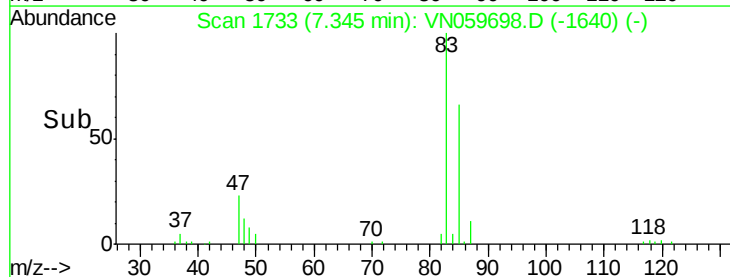
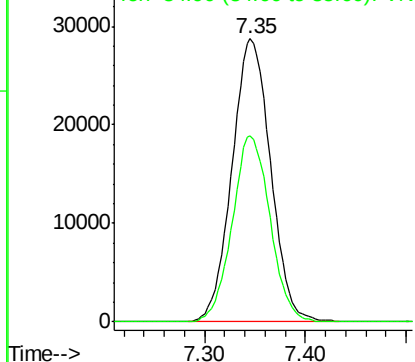


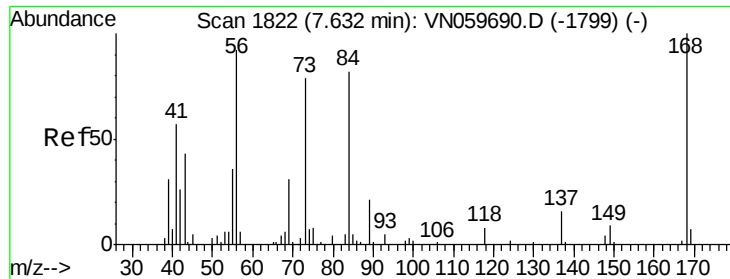
#30
Chloroform
Concen: 21.070 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 83 Resp: 76208
Ion Ratio Lower Upper
83 100
85 65.7 52.4 78.6



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

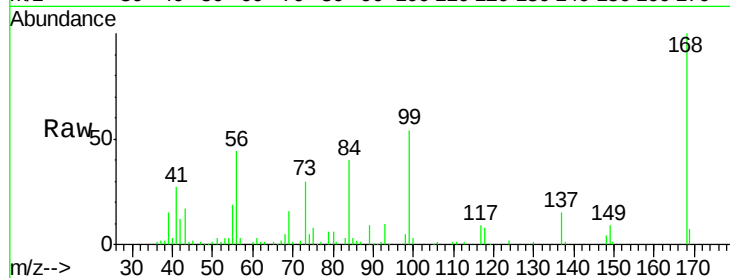




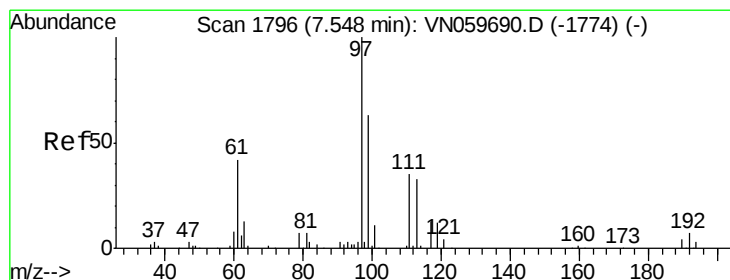
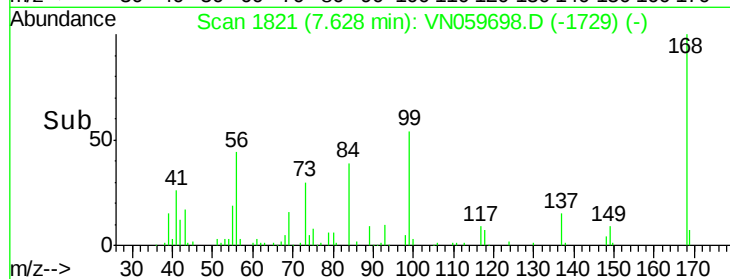
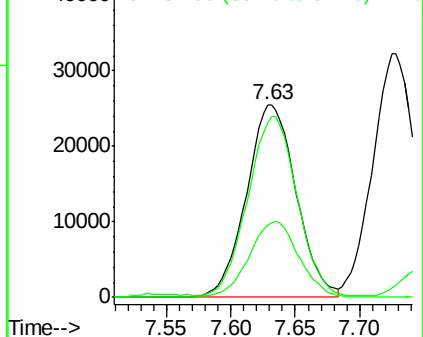
#31
Cyclohexane
Concen: 20.367 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Tgt Ion: 56 Resp: 68412
Ion Ratio Lower Upper
56 100
69 37.2 26.5 39.7
84 89.5 65.3 97.9

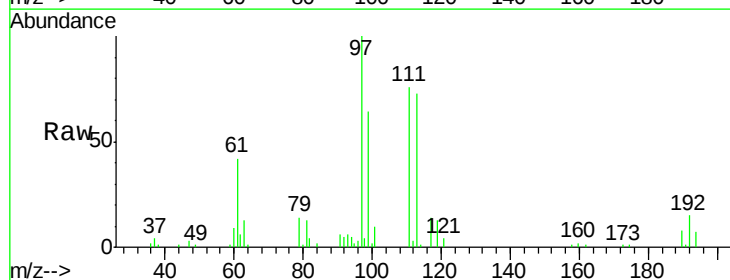


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

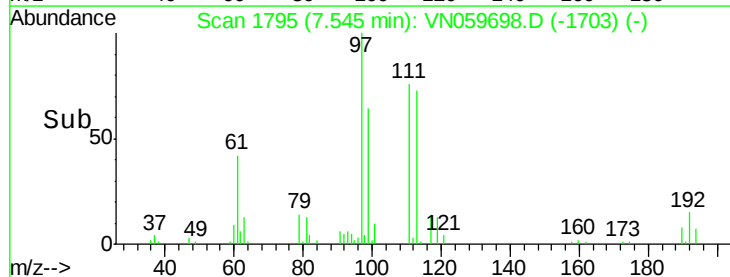
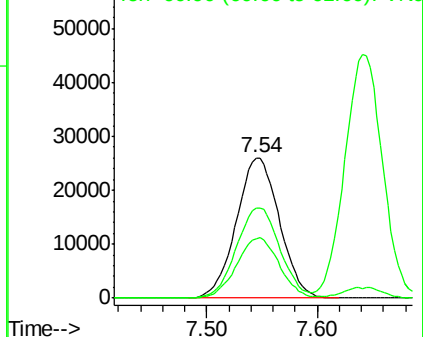


#32
1,1,1-Trichloroethane
Concen: 21.004 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 97 Resp: 70240
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 42.6 38.5 57.7



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

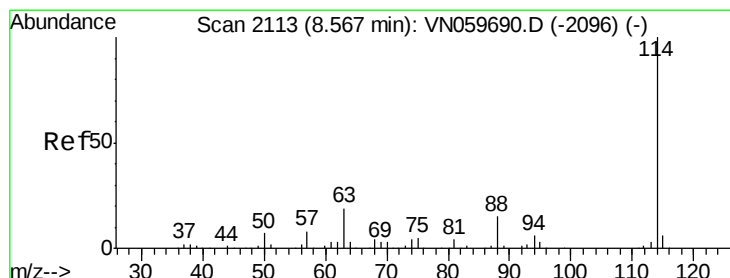
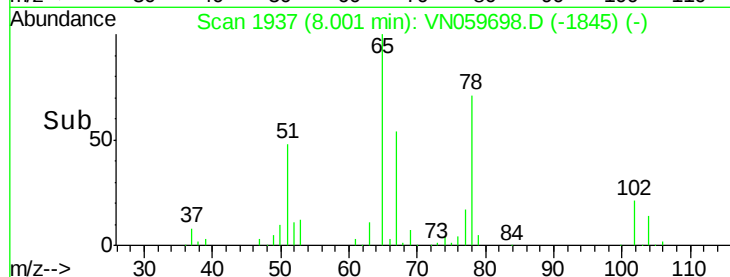
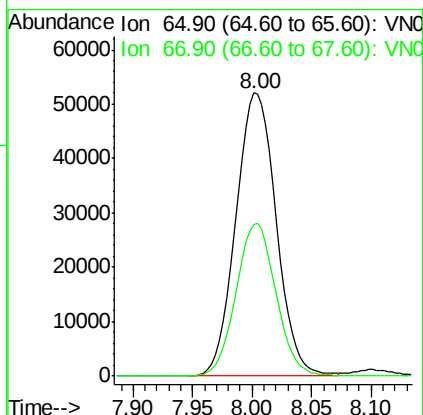
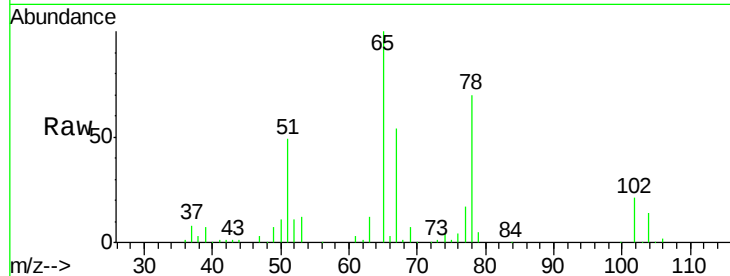




#33
 1,2-Dichloroethane-d4
 Concen: 54.034 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

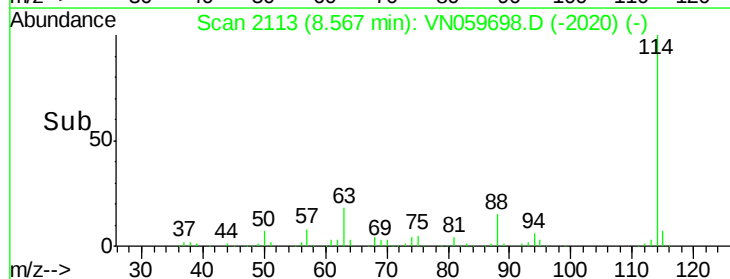
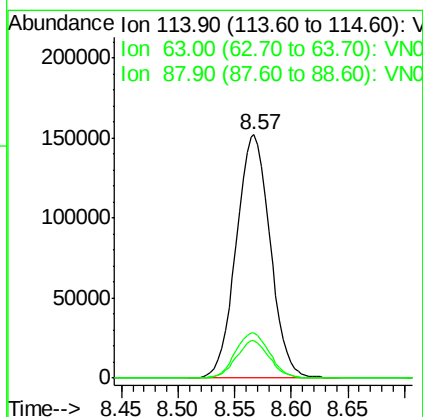
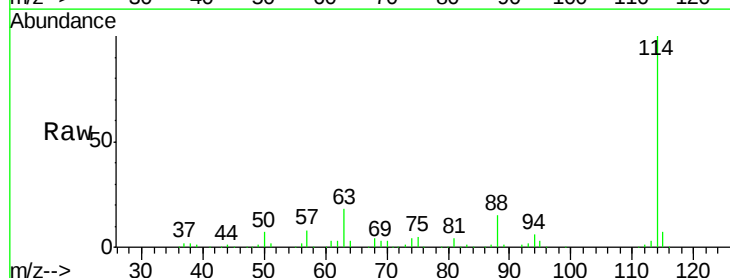
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

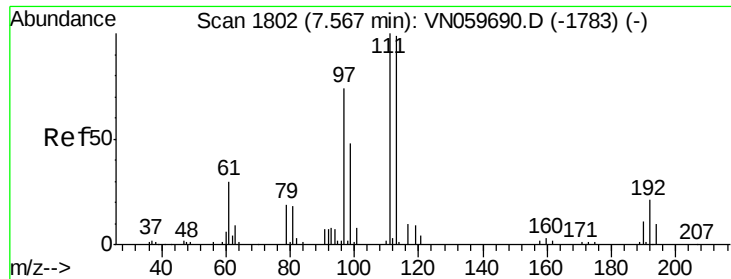
Tgt Ion: 65 Resp: 122670
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion: 114 Resp: 317174
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.6
 88 15.3 0.0 31.4

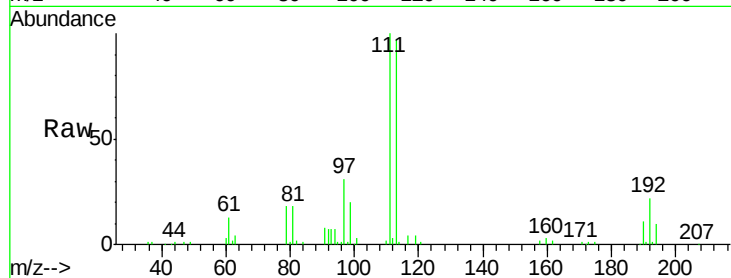




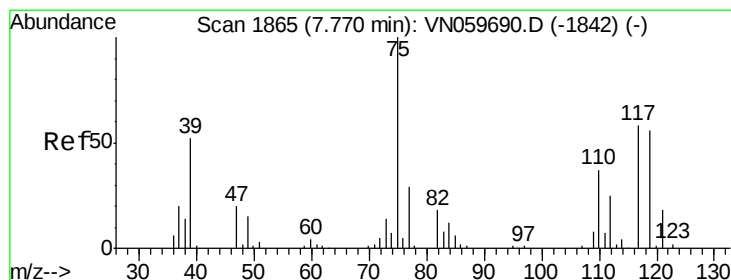
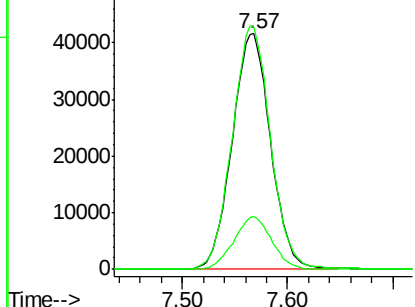
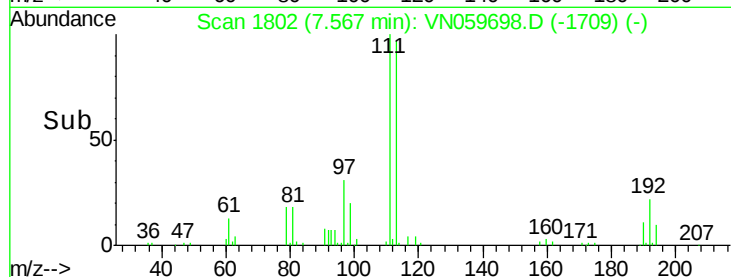
#35
 Dibromofluoromethane
 Concen: 55.582 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Tgt Ion: 113 Resp: 105130
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.5 125.3
 192 21.9 15.4 23.2

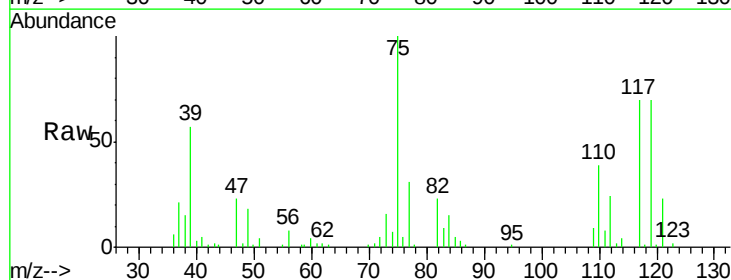


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

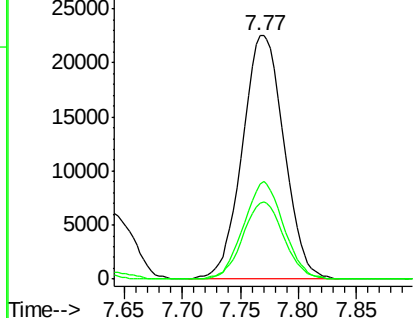
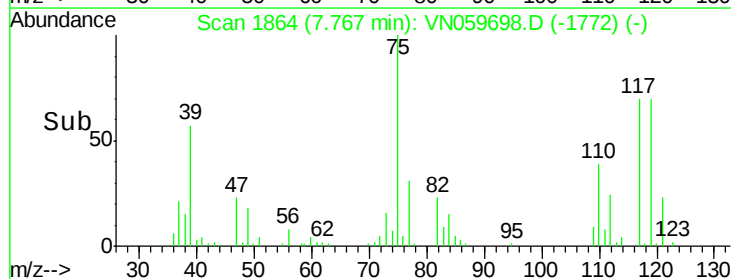


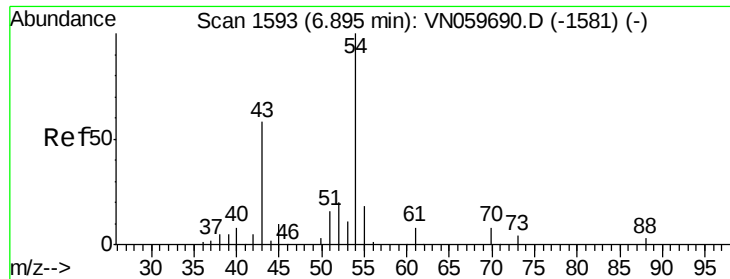
#36
 1,1-Dichloropropene
 Concen: 20.448 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion: 75 Resp: 56479
 Ion Ratio Lower Upper
 75 100
 110 38.2 16.6 49.7
 77 31.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

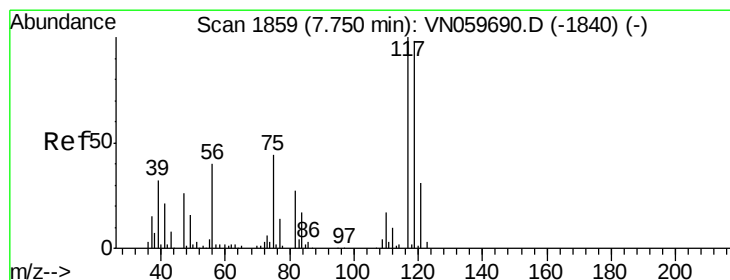
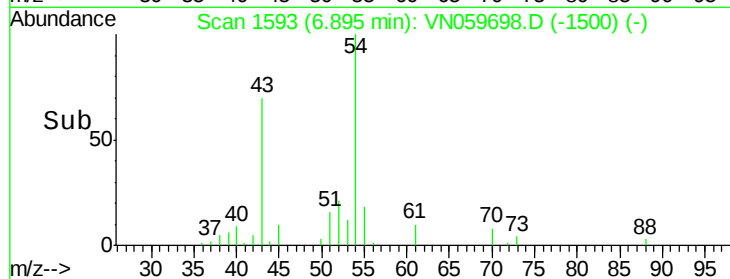
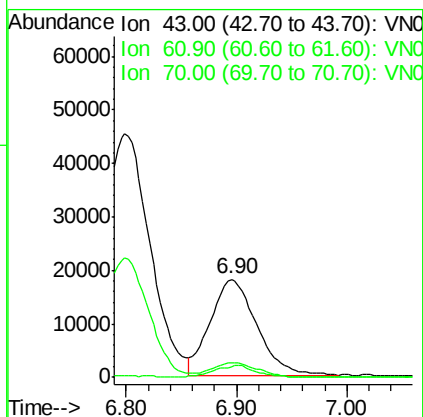
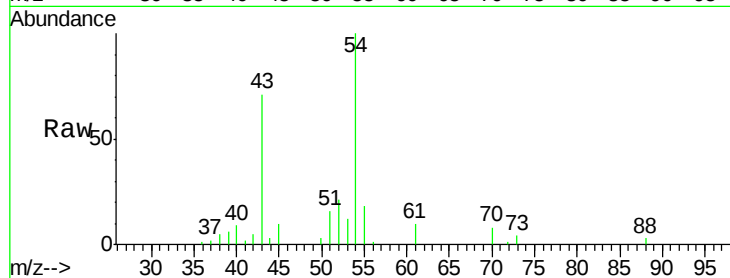




#37
Ethyl Acetate
Concen: 20.416 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

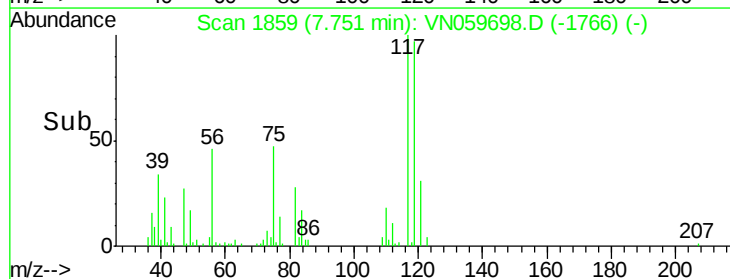
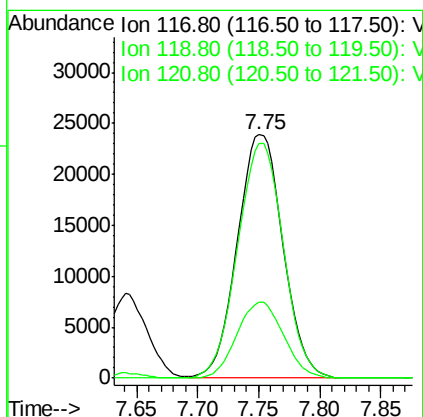
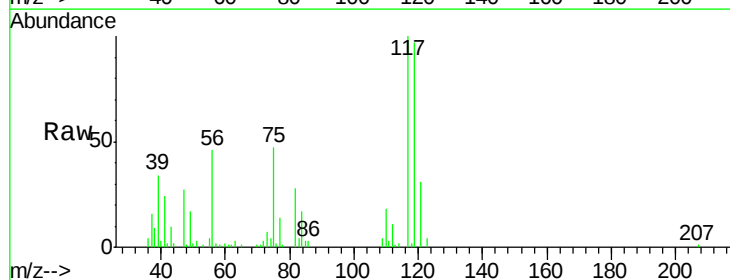
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

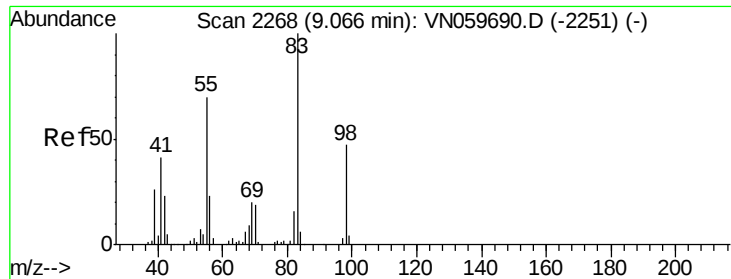
Tgt Ion: 43 Resp: 52890
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 11.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.609 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 117 Resp: 61922
Ion Ratio Lower Upper
117 100
119 96.5 76.5 114.7
121 31.4 25.1 37.7

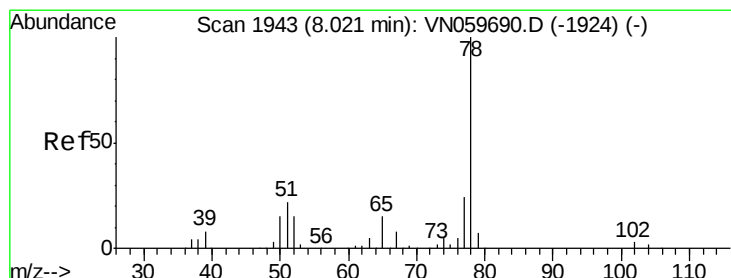
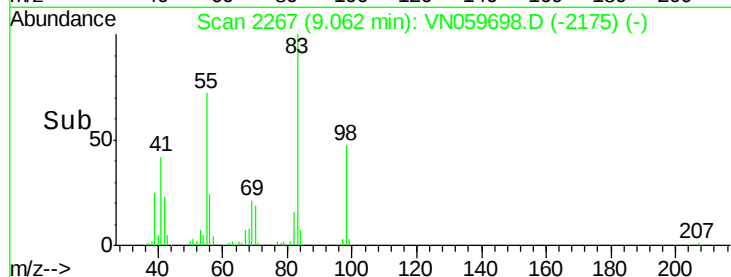
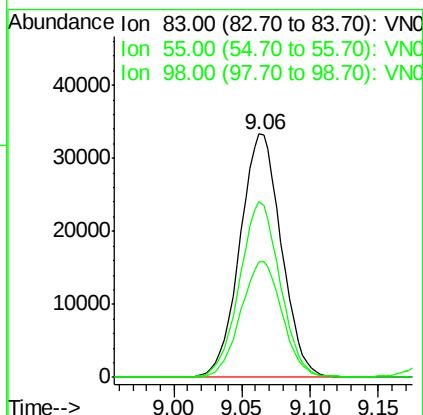
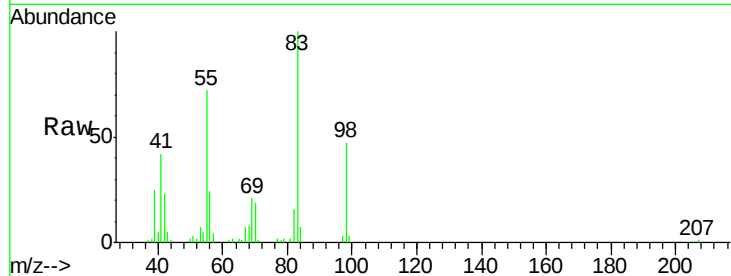




#39
Methylcyclohexane
Concen: 20.623 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

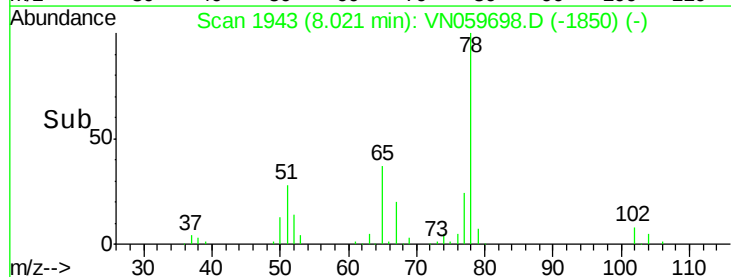
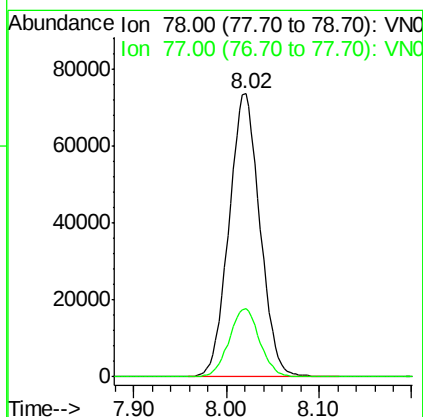
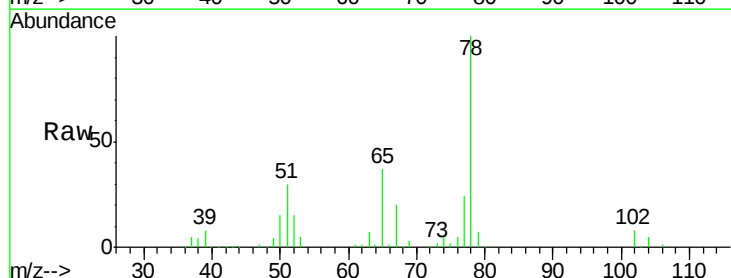
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

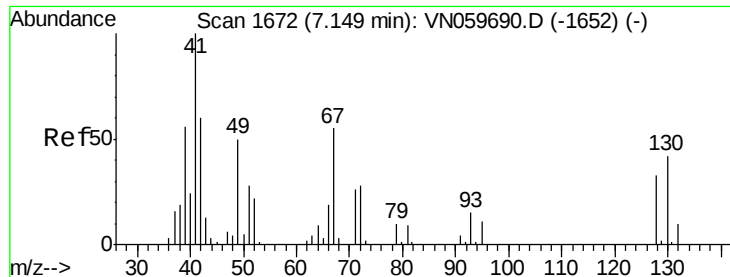
Tgt Ion: 83 Resp: 70237
Ion Ratio Lower Upper
83 100
55 72.1 64.2 96.2
98 47.4 35.9 53.9



#40
Benzene
Concen: 20.726 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 78 Resp: 170728
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

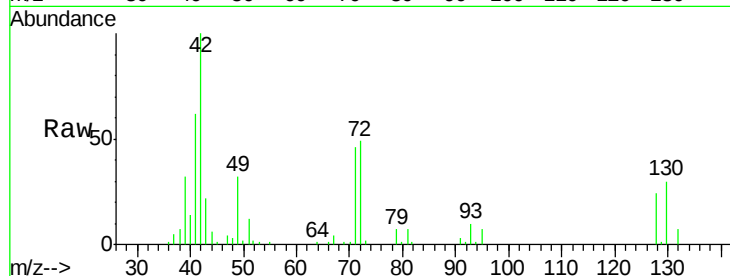




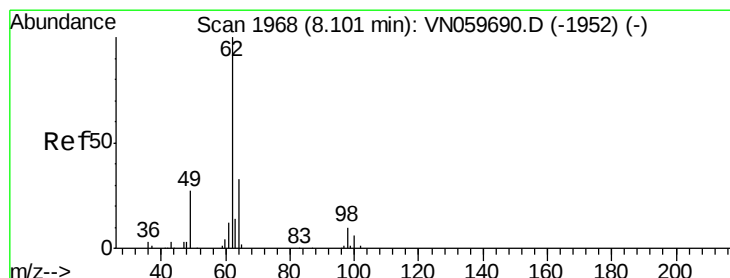
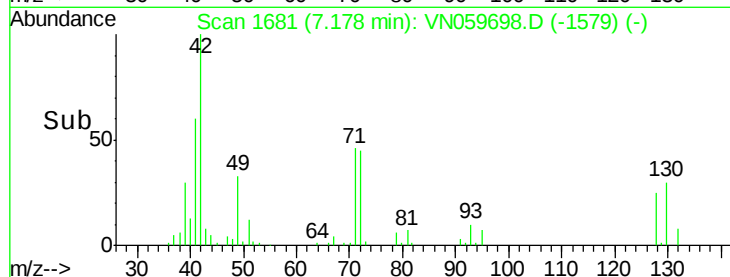
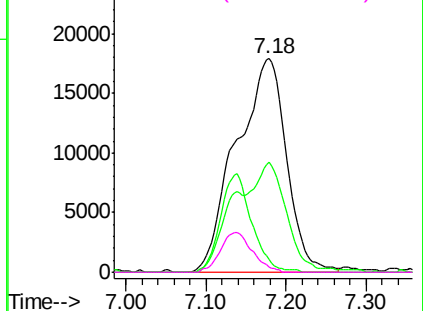
#41
Methacrylonitrile
Concen: 60.490 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

Tgt Ion:	41	Resp:	77186
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

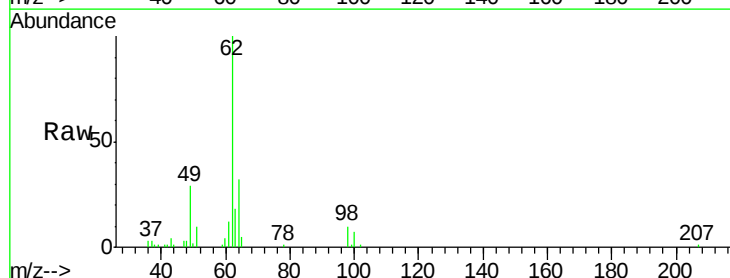


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

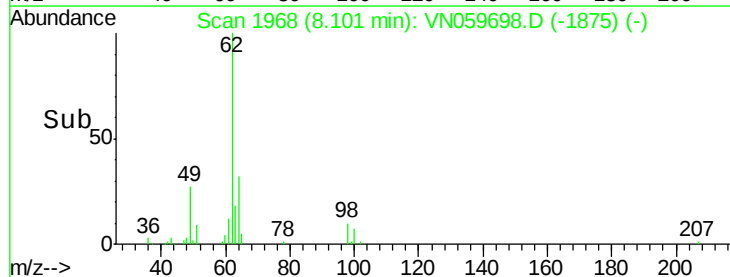
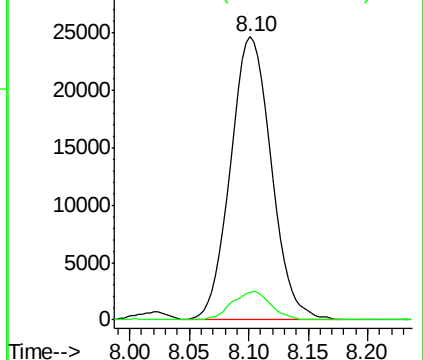


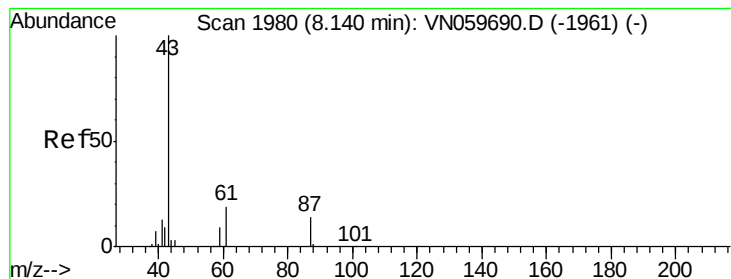
#42
1,2-Dichloroethane
Concen: 21.066 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion:	62	Resp:	58835
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.758 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

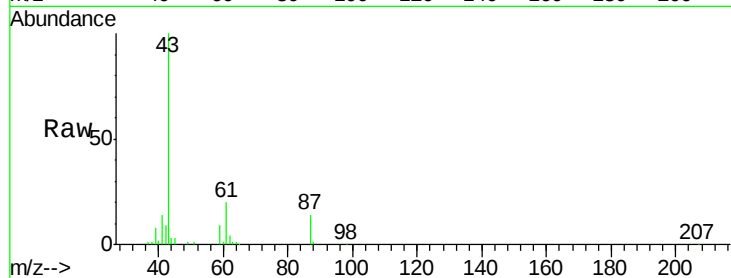
Tgt Ion: 43 Resp: 92496

Ion Ratio Lower Upper

43 100

61 26.1 20.2 30.2

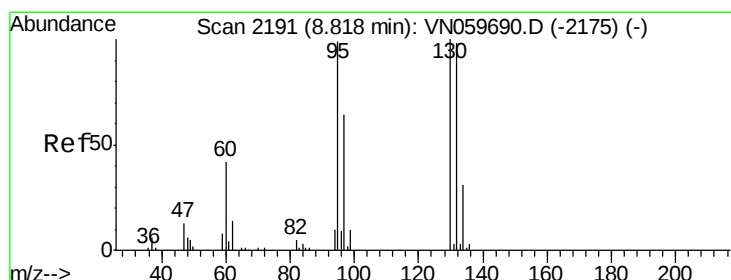
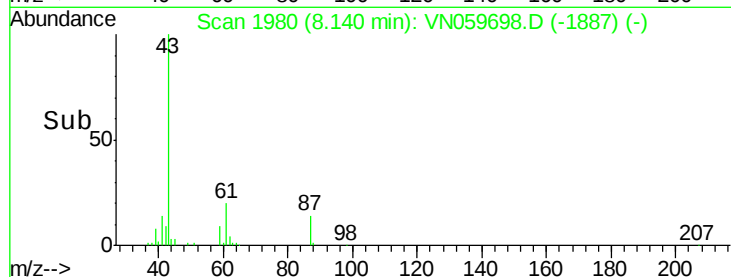
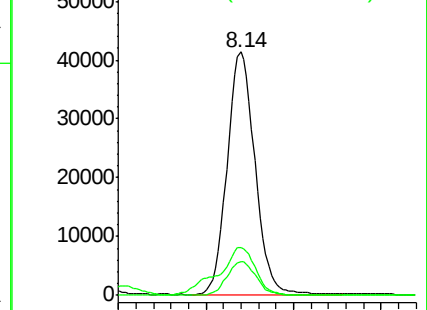
87 14.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059690.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059690.D (-1961) (-)



#44

Trichloroethene

Concen: 21.371 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059698.D

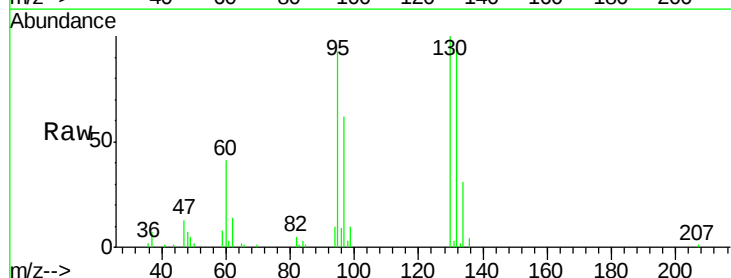
Acq: 14 Jan 2020 10:56

Tgt Ion: 130 Resp: 48058

Ion Ratio Lower Upper

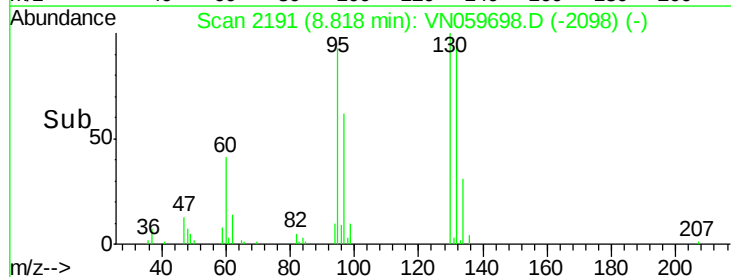
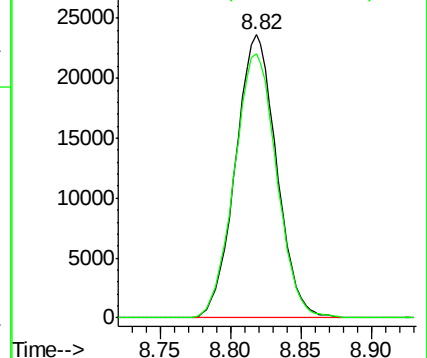
130 100

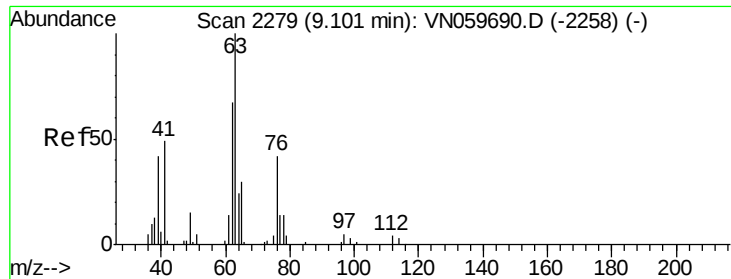
95 93.1 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059690.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059690.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 21.157 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

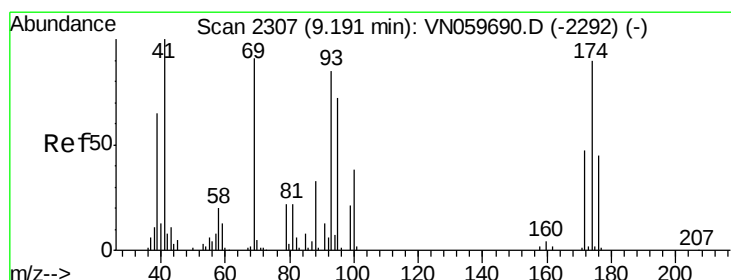
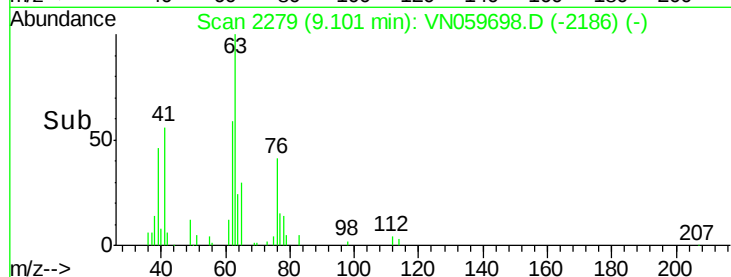
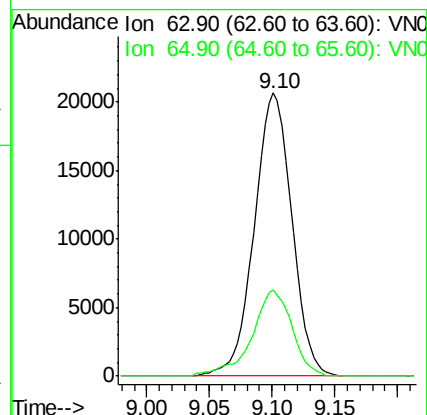
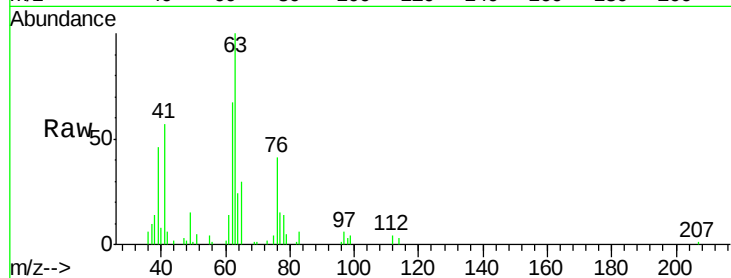
VN0114WBS01

Tgt Ion: 63 Resp: 43126

Ion Ratio Lower Upper

63 100

65 30.4 24.9 37.3



#46

Dibromomethane

Concen: 21.351 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

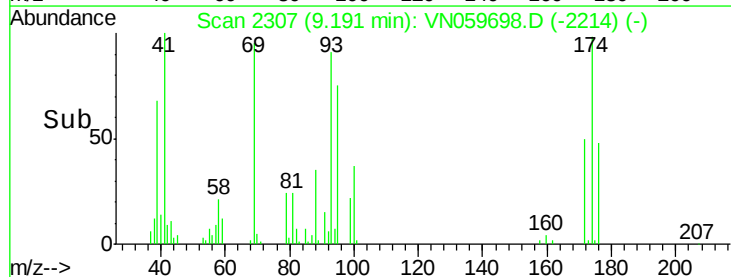
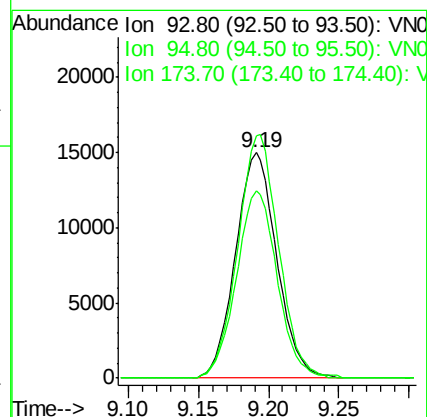
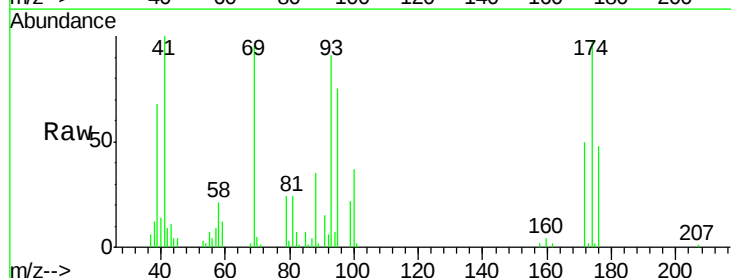
Tgt Ion: 93 Resp: 30700

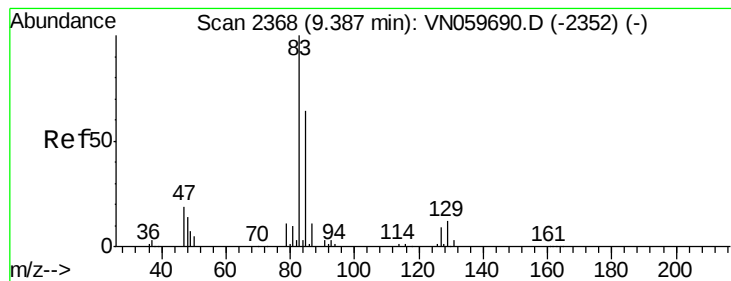
Ion Ratio Lower Upper

93 100

95 81.9 67.0 100.6

174 106.9 73.4 110.2





#47

Bromodichloromethane

Concen: 21.123 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

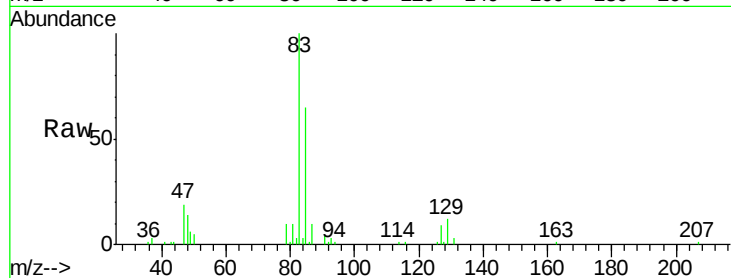
Tgt Ion: 83 Resp: 61206

Ion Ratio Lower Upper

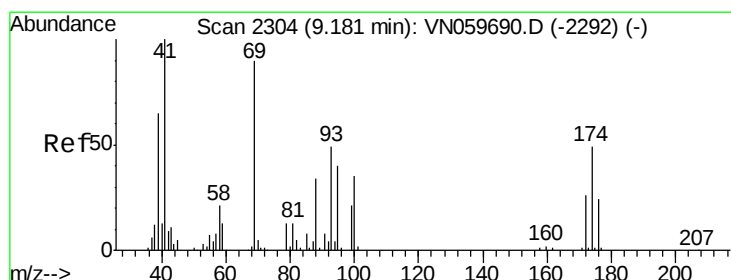
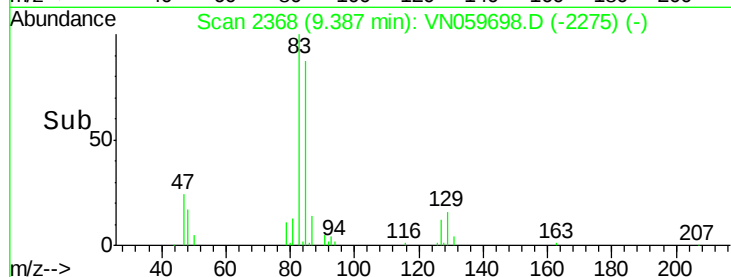
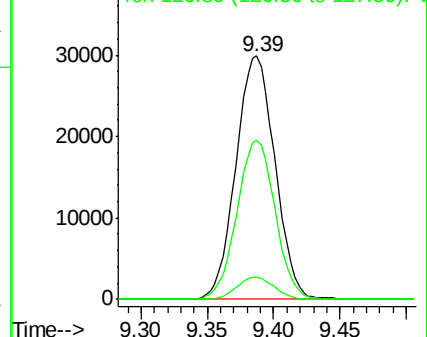
83 100

85 65.4 51.1 76.7

127 8.9 6.6 9.8



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): V



#48

Methyl methacrylate

Concen: 20.694 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

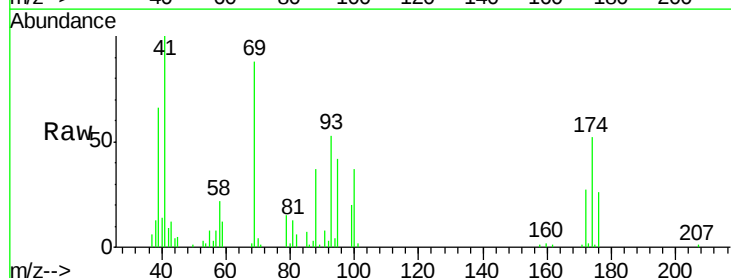
Tgt Ion: 41 Resp: 41246

Ion Ratio Lower Upper

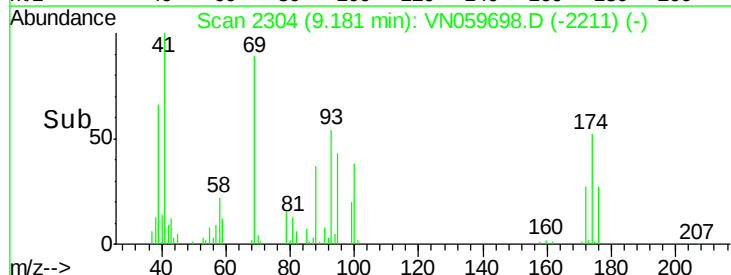
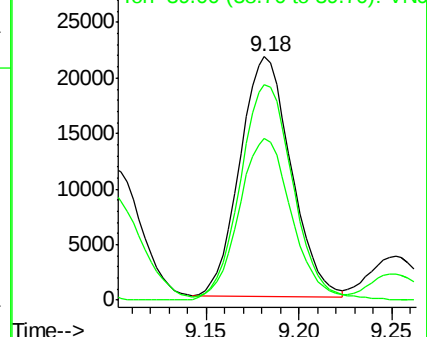
41 100

69 92.8 64.4 96.6

39 66.9 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 453.425 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

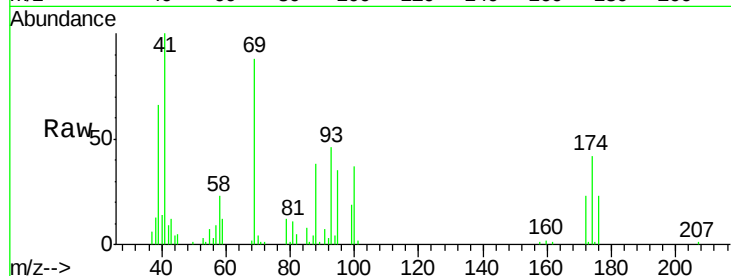
Tgt Ion: 88 Resp: 16544

Ion Ratio Lower Upper

88 100

43 32.9 29.7 44.5

58 61.3 56.6 85.0

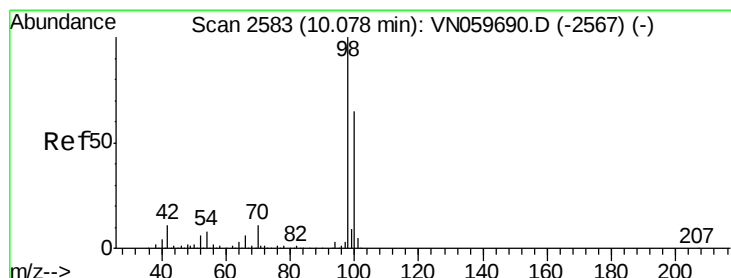
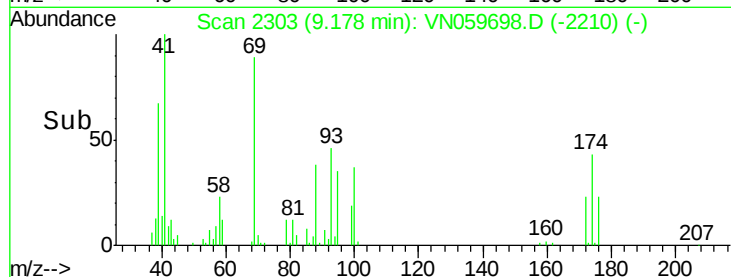
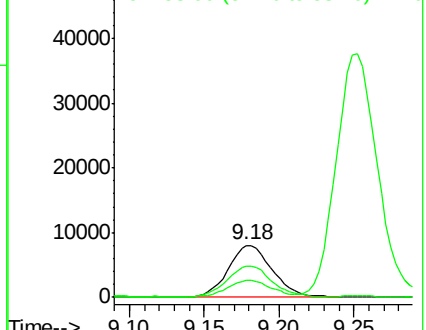


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 55.071 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059698.D

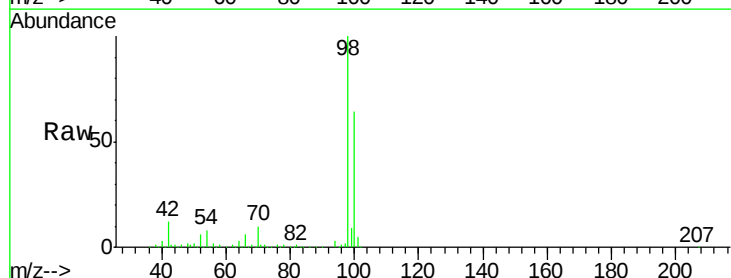
Acq: 14 Jan 2020 10:56

Tgt Ion: 98 Resp: 403587

Ion Ratio Lower Upper

98 100

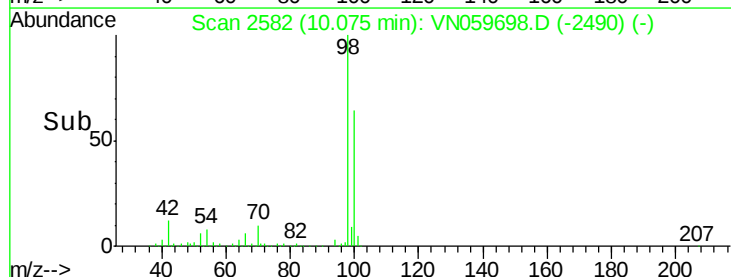
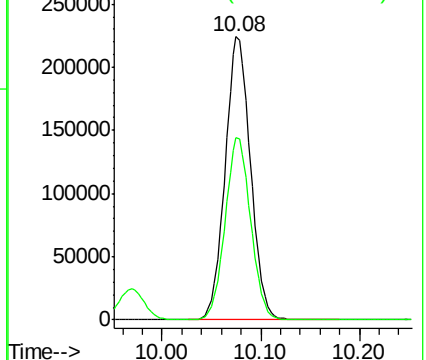
100 64.8 51.2 76.8



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

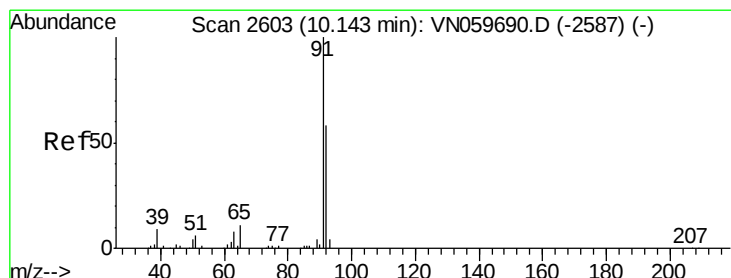
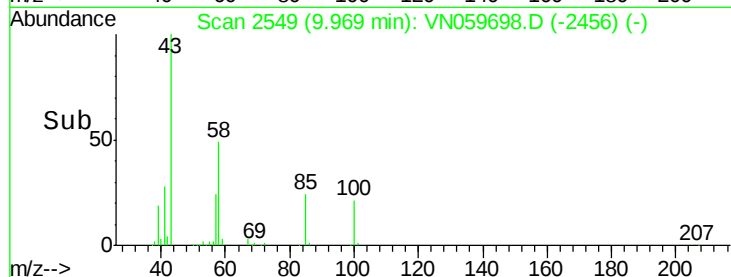
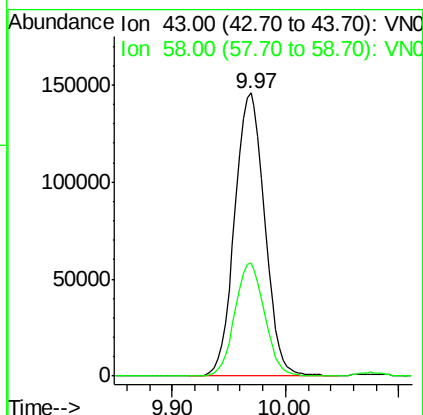
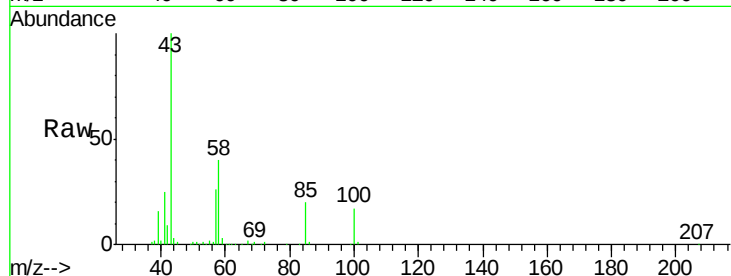




#51
 4-Methyl-2-Pentanone
 Concen: 104.866 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

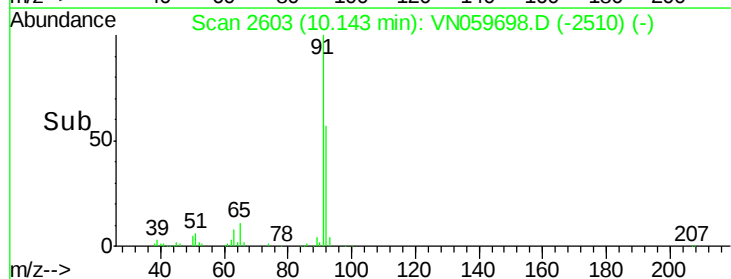
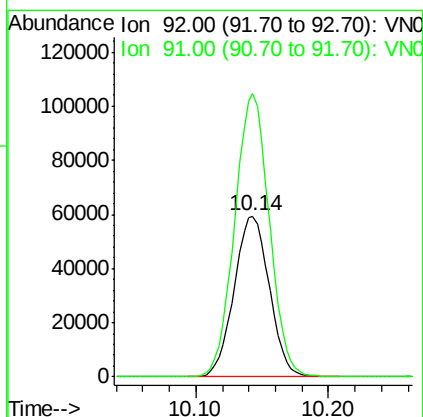
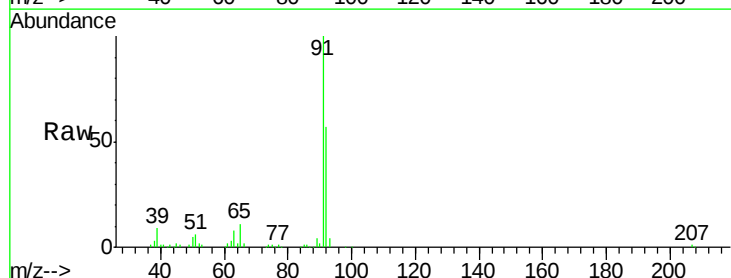
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

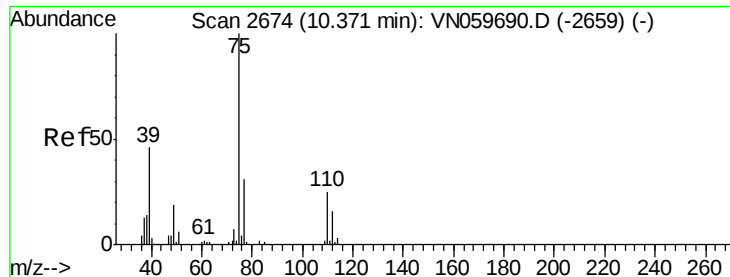
Tgt Ion: 43 Resp: 270117
 Ion Ratio Lower Upper
 43 100
 58 39.6 29.8 44.8



#52
 Toluene
 Concen: 21.099 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion: 92 Resp: 109782
 Ion Ratio Lower Upper
 92 100
 91 172.9 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.645 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

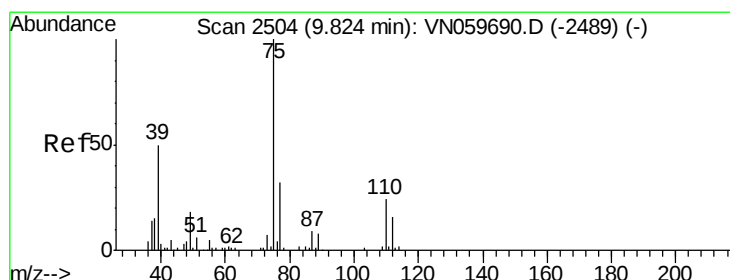
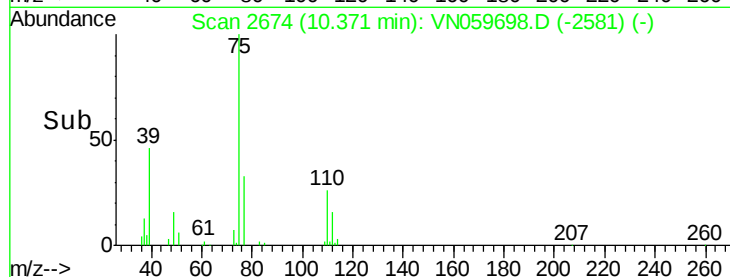
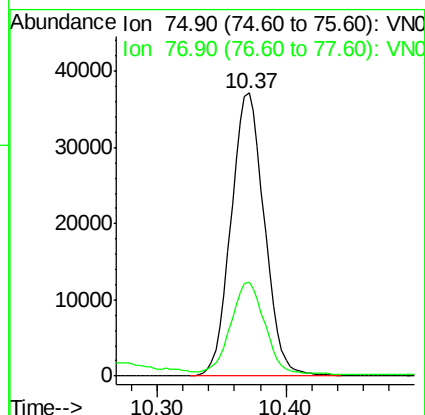
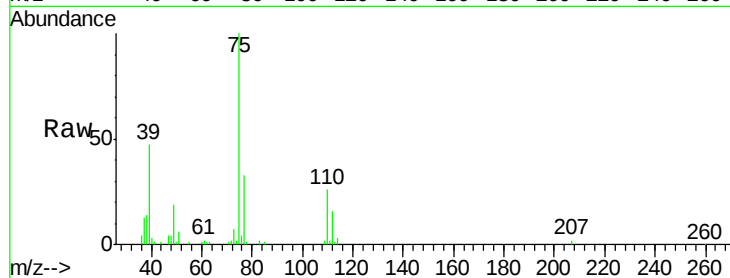
VN0114WBS01

Tgt Ion: 75 Resp: 66793

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.272 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

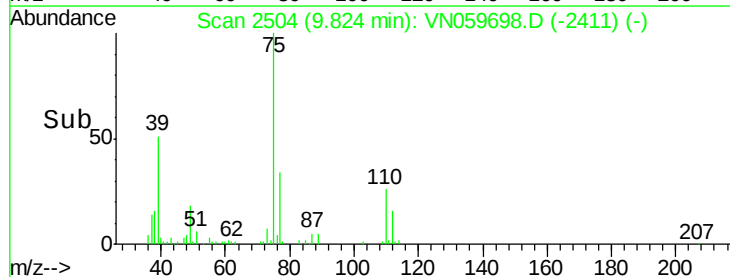
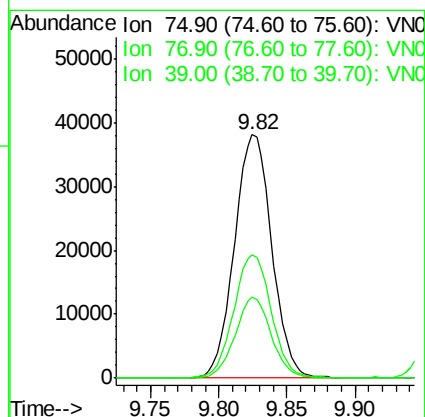
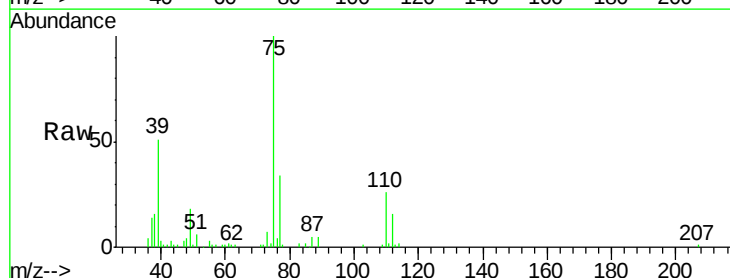
Tgt Ion: 75 Resp: 72414

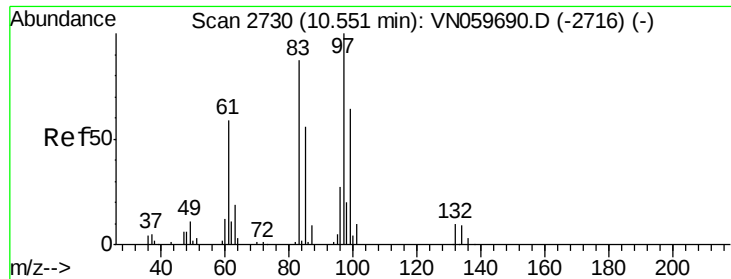
Ion Ratio Lower Upper

75 100

77 33.5 25.1 37.7

39 50.6 46.1 69.1

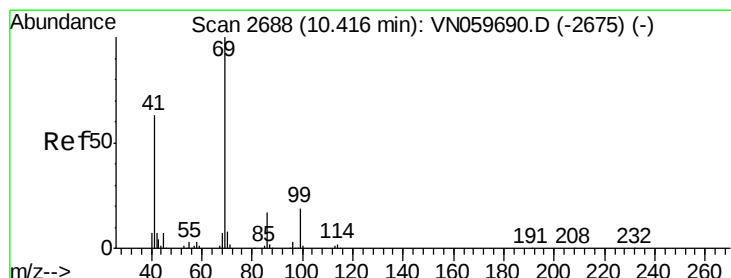
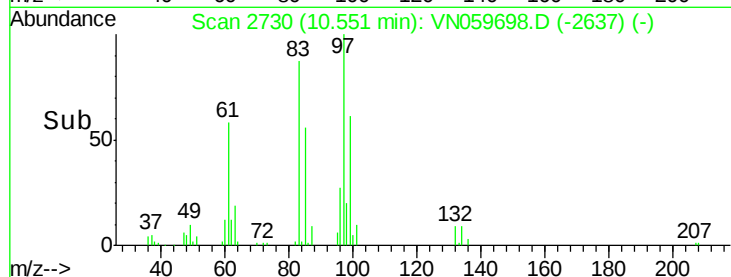
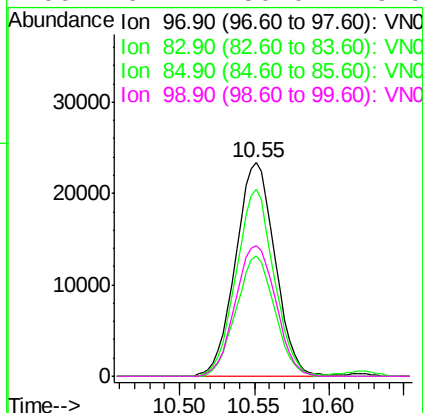
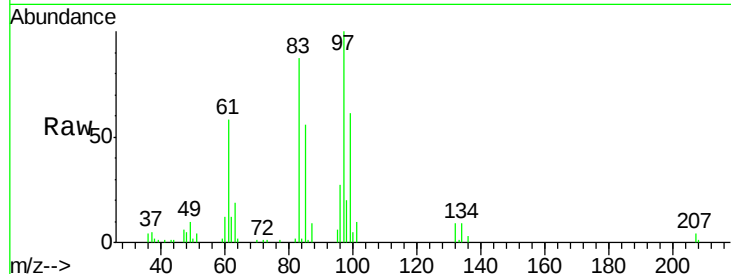




#55
 1,1,2-Trichloroethane
 Concen: 20.843 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

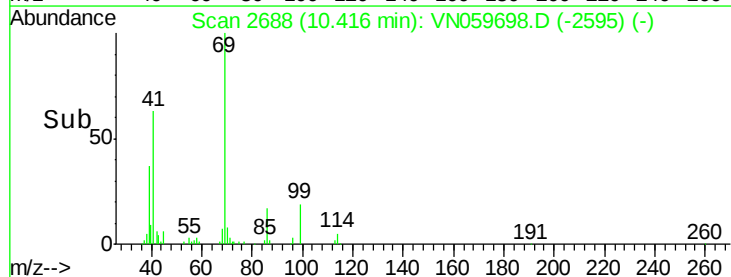
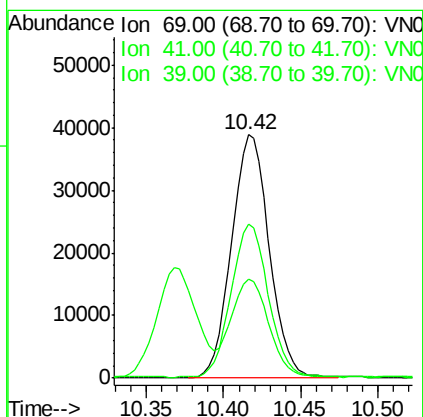
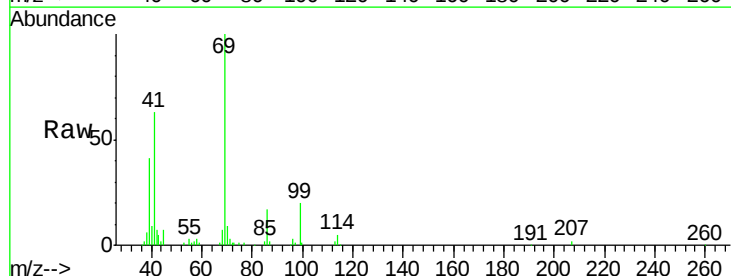
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Tgt Ion:	97	Resp:	42953
Ion	Ratio	Lower	Upper
97	100		
83	87.2	71.3	106.9
85	56.2	45.8	68.8
99	61.1	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 20.909 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion:	69	Resp:	65840
Ion	Ratio	Lower	Upper
69	100		
41	61.9	57.1	85.7
39	41.4	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.408 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

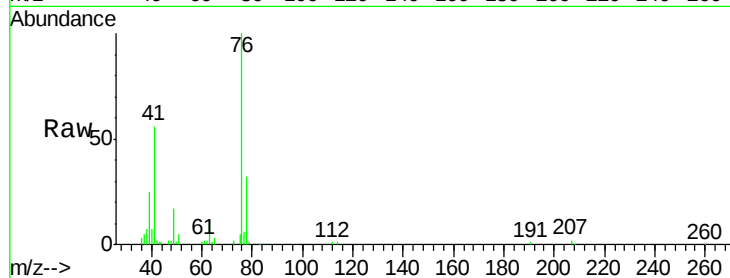
VN0114WBS01

Tgt Ion: 76 Resp: 70041

Ion Ratio Lower Upper

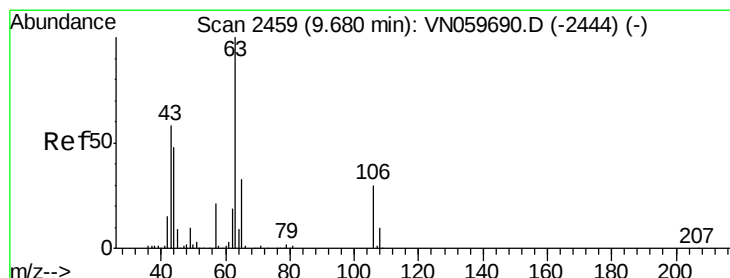
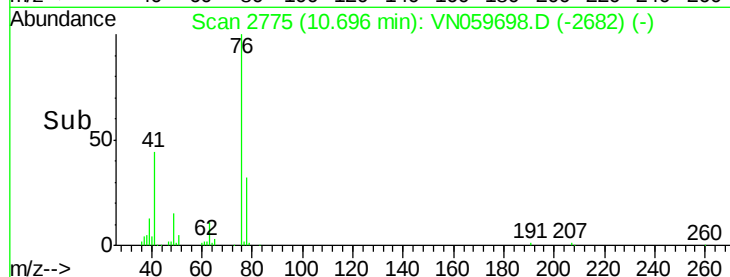
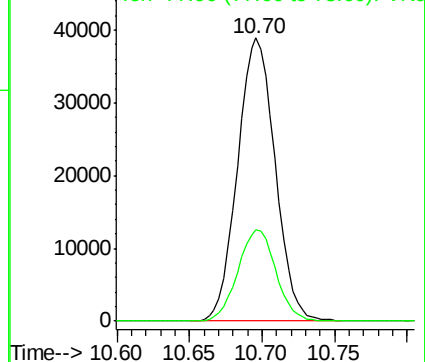
76 100

78 32.4 25.8 38.8



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: 116.890 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059698.D

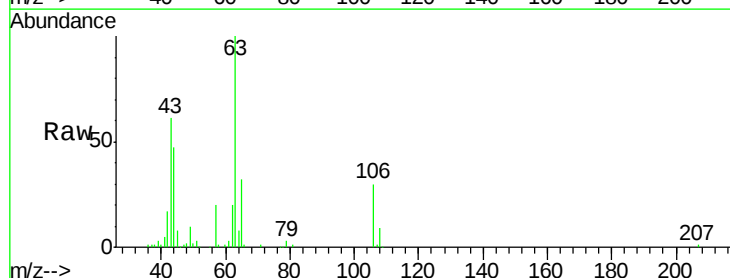
Acq: 14 Jan 2020 10:56

Tgt Ion: 63 Resp: 110863

Ion Ratio Lower Upper

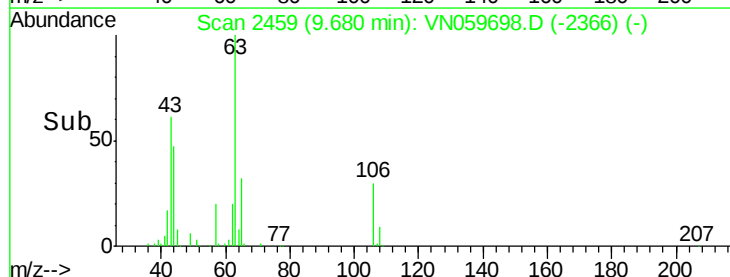
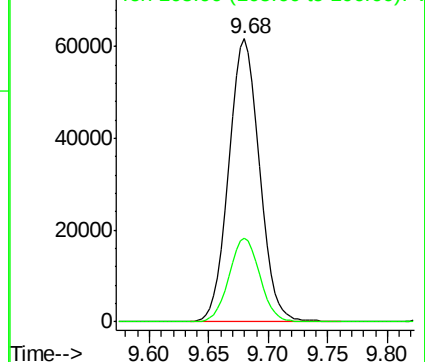
63 100

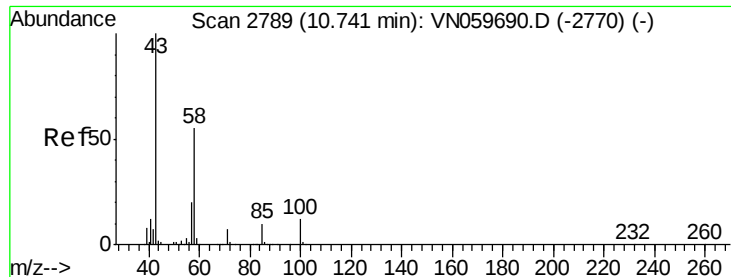
106 29.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

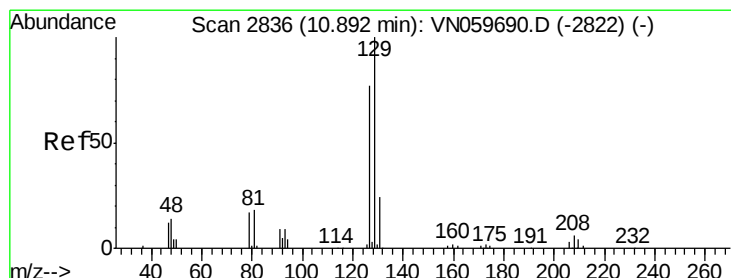
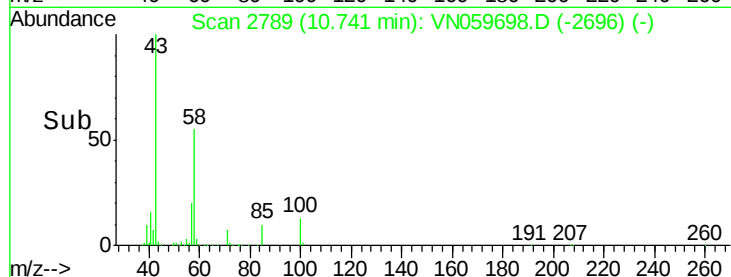
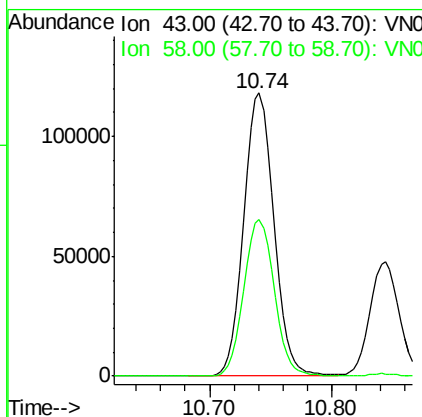
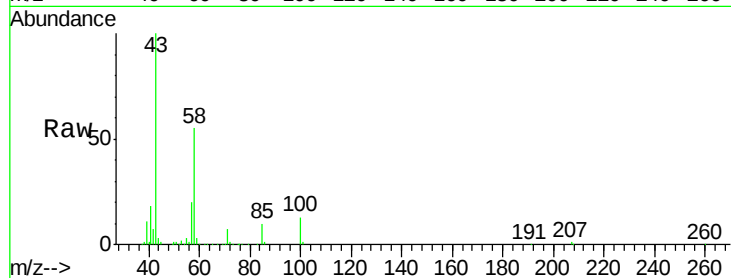




#59
2-Hexanone
Concen: 106.097 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

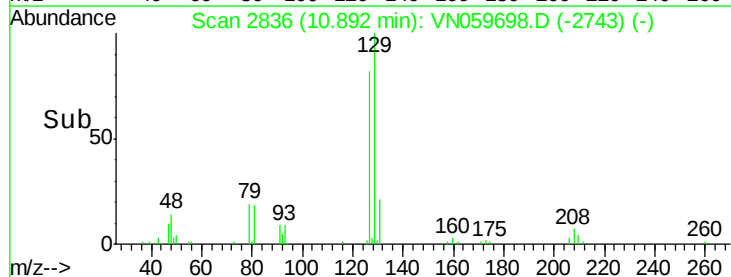
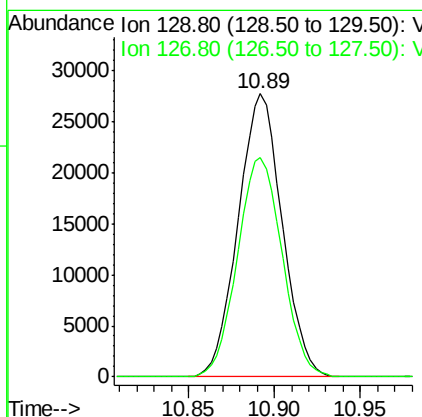
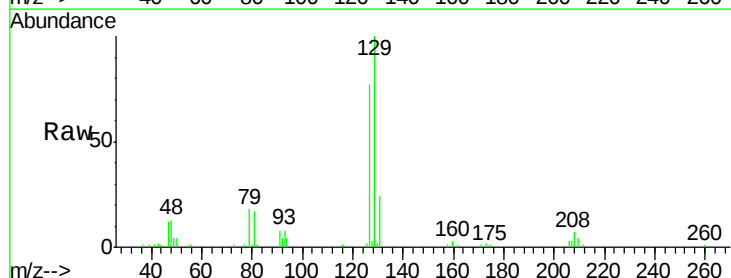
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

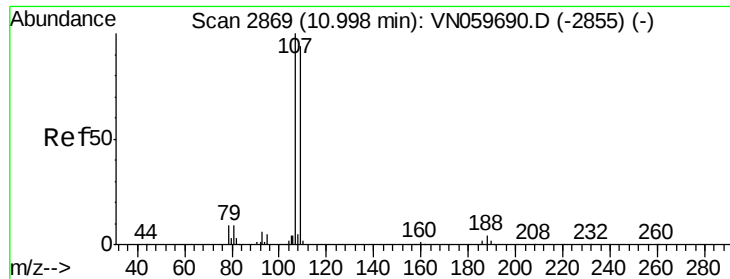
Tgt Ion: 43 Resp: 201331
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3



#60
Dibromochloromethane
Concen: 20.976 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 129 Resp: 49225
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5

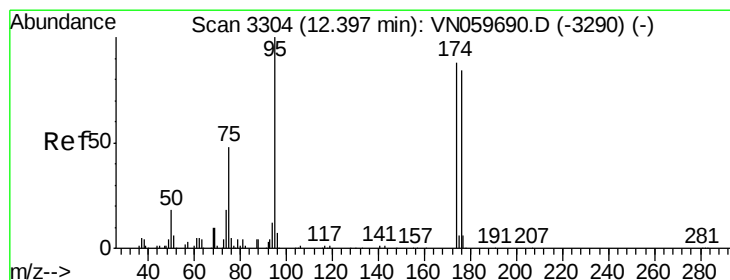
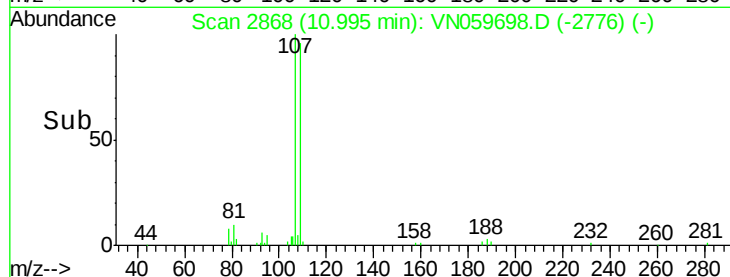
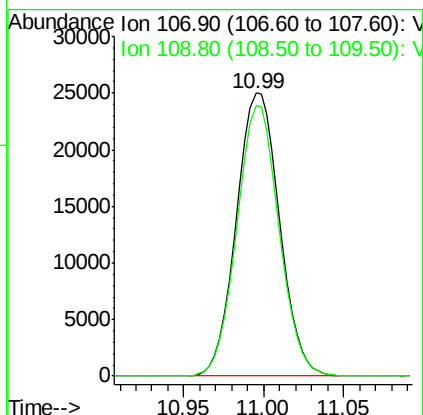
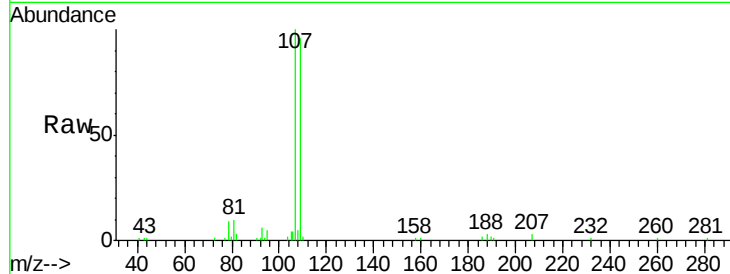




#61
 1,2-Dibromoethane
 Concen: 21.267 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

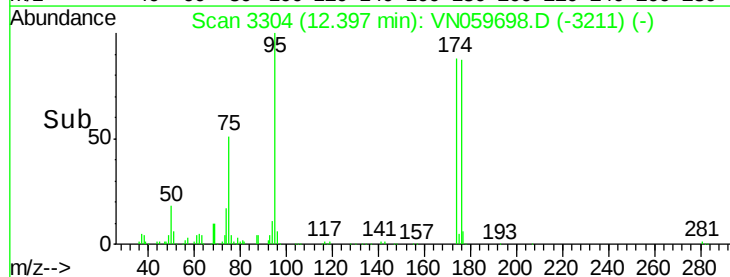
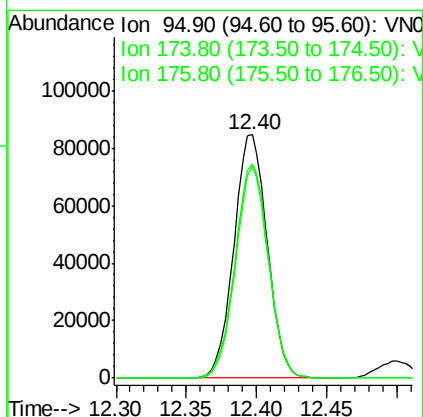
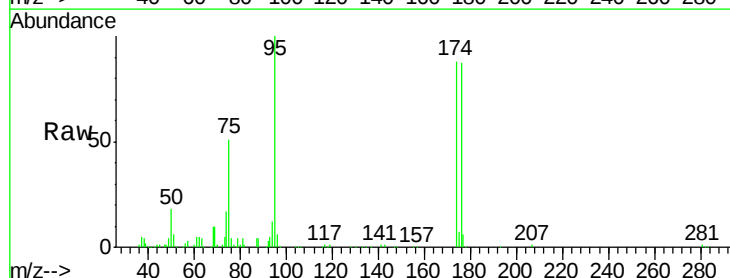
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

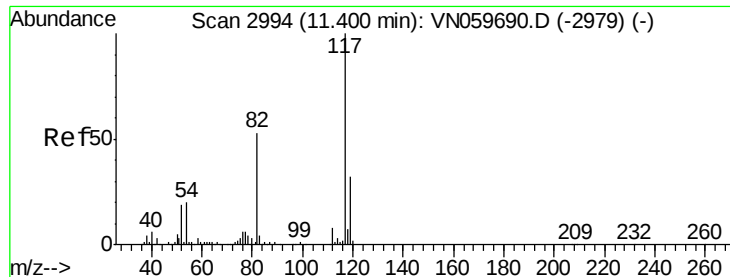
Tgt Ion: 107 Resp: 45936
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 53.220 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion: 95 Resp: 140600
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 151.4
 176 85.4 0.0 146.0

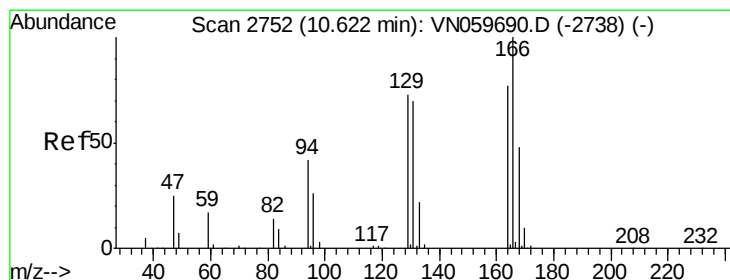
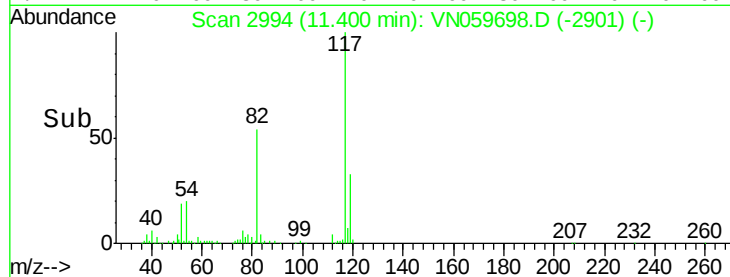
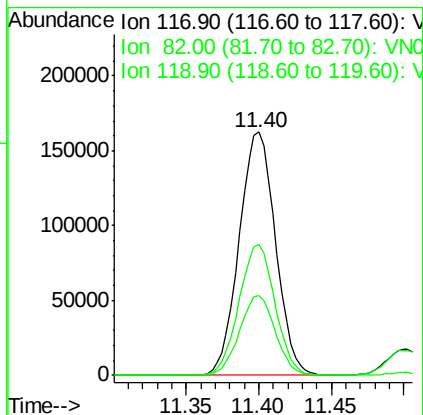
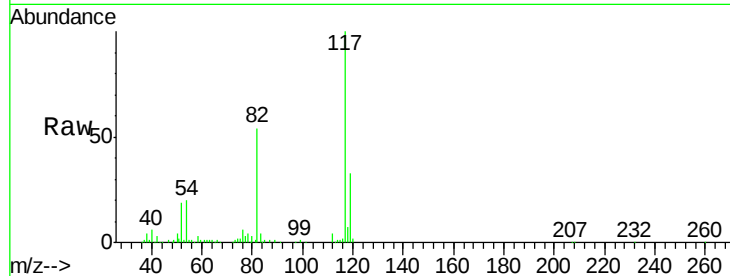




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

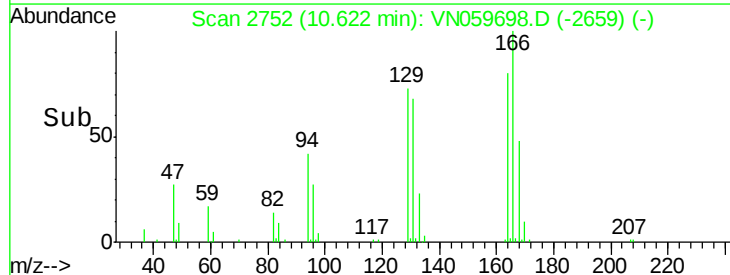
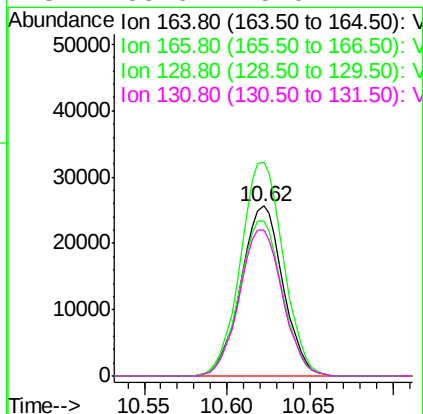
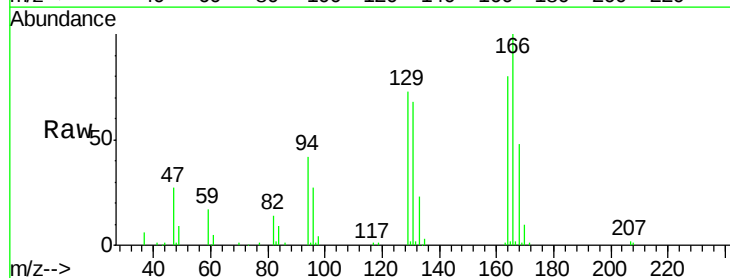
Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

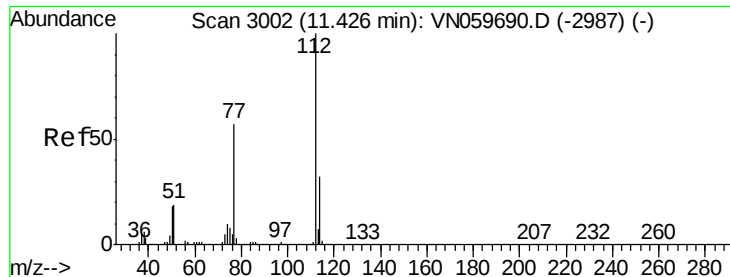
Tgt Ion:117 Resp: 283827
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 19.565 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion:164 Resp: 45259
Ion Ratio Lower Upper
164 100
166 125.6 101.4 152.0
129 91.4 80.2 120.4
131 85.6 75.0 112.4





#65

Chlorobenzene

Concen: 21.002 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

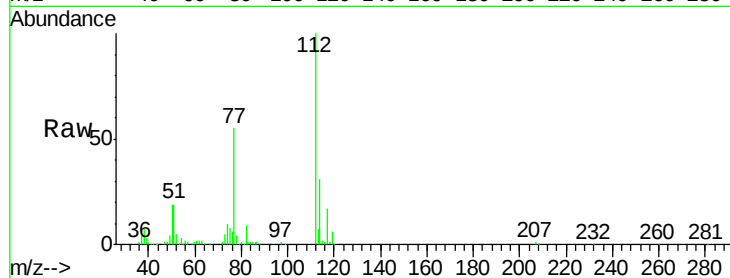
VN0114WBS01

Tgt Ion:112 Resp: 117165

Ion Ratio Lower Upper

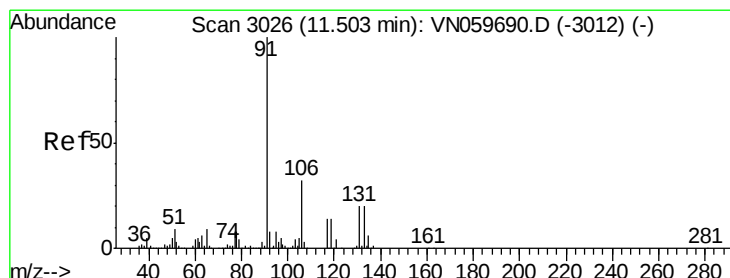
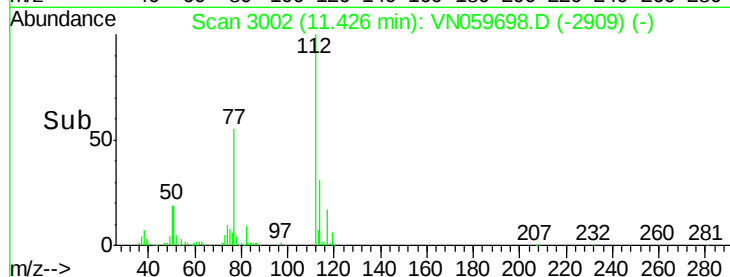
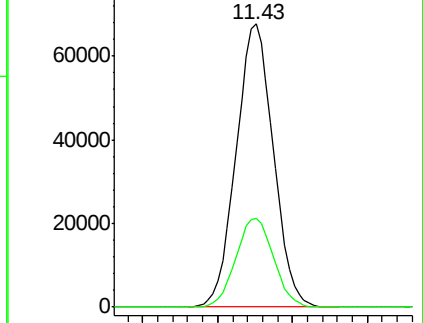
112 100

114 31.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.095 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

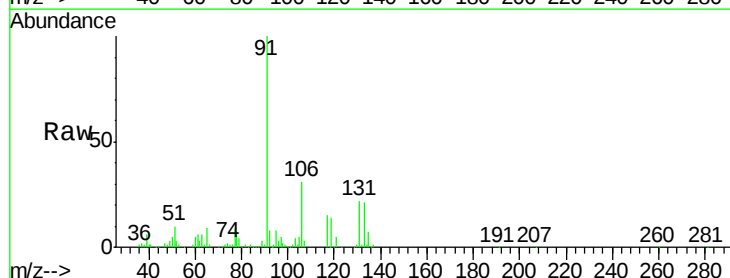
Tgt Ion:131 Resp: 45472

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

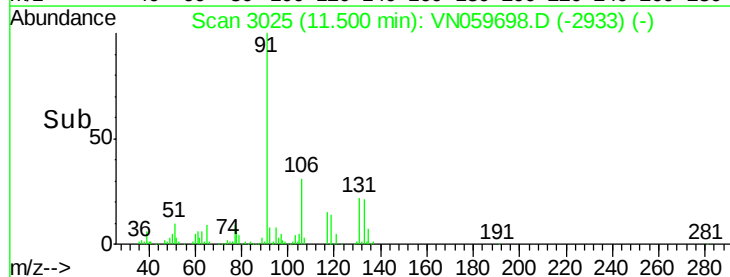
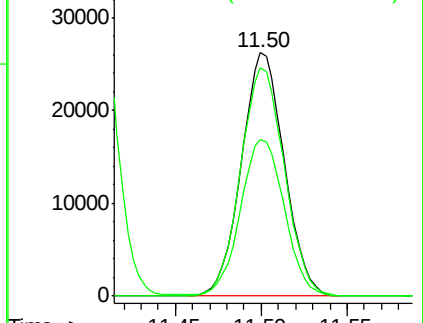
119 66.0 33.1 99.3



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





#67

Ethyl Benzene

Concen: 20.872 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

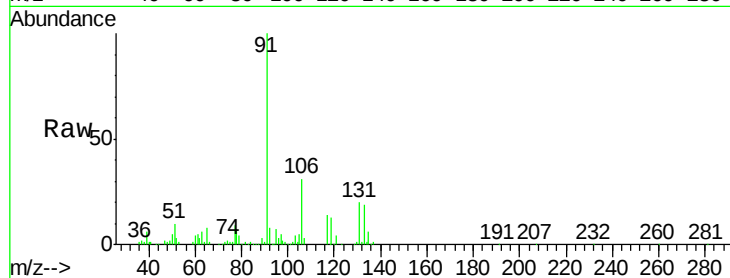
VN0114WBS01

Tgt Ion: 91 Resp: 211378

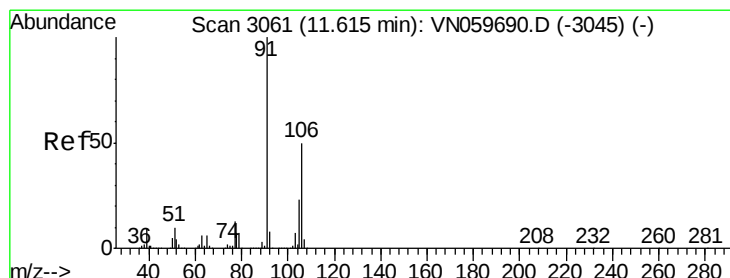
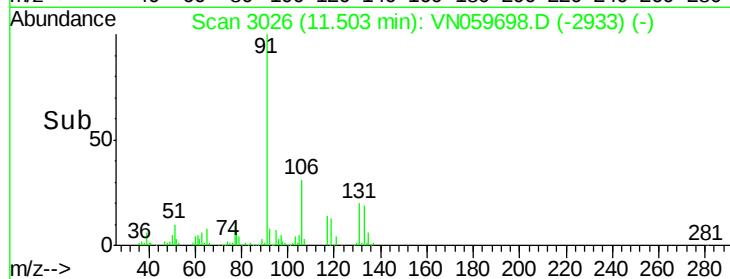
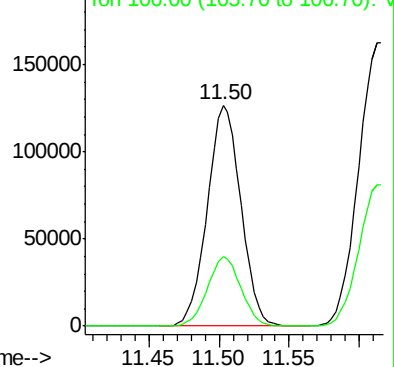
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059698.D (-2933) (-)



#68

m/p-Xylenes

Concen: 41.897 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059698.D

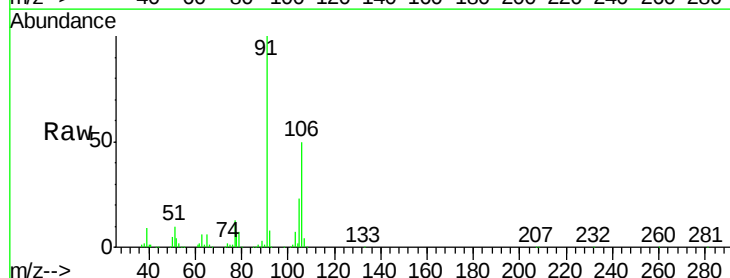
Acq: 14 Jan 2020 10:56

Tgt Ion: 106 Resp: 160274

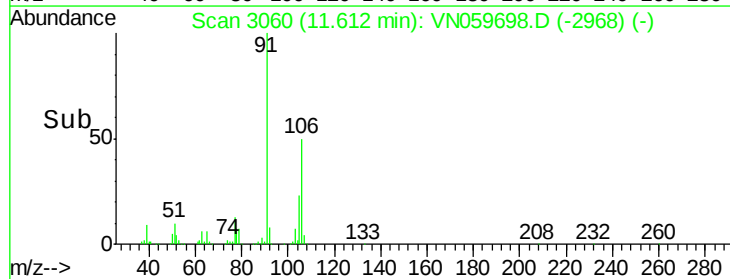
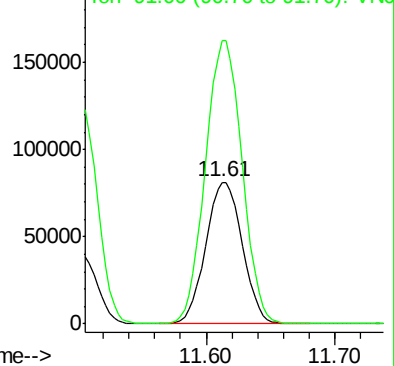
Ion Ratio Lower Upper

106 100

91 200.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059698.D (-2968) (-)

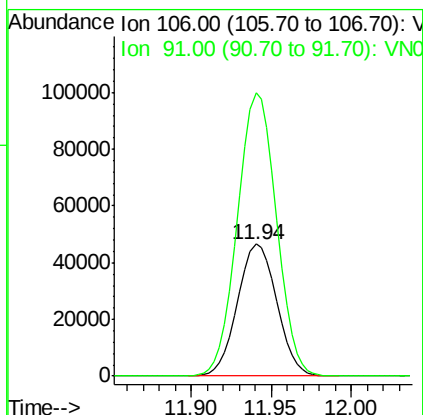
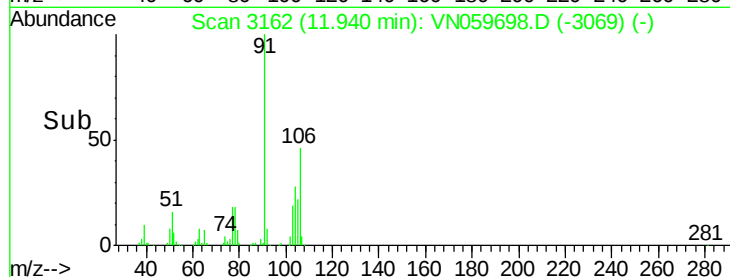
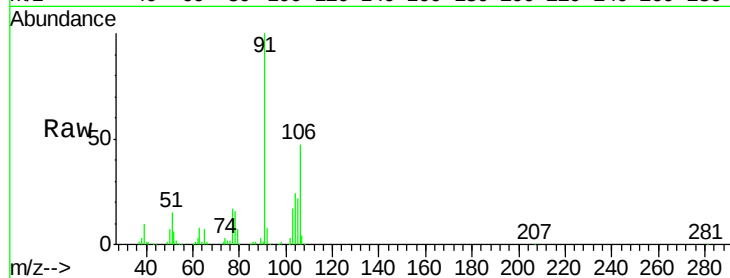




#69
o-Xylene
Concen: 20.836 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

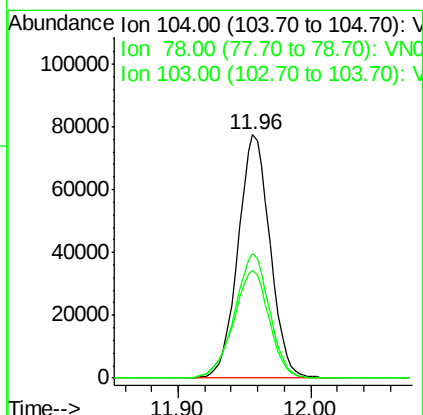
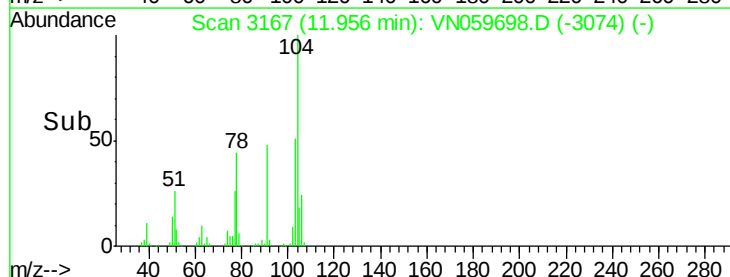
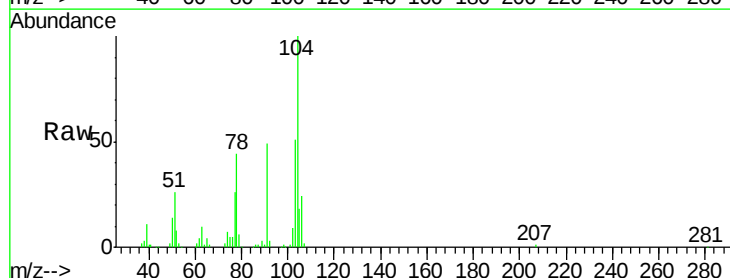
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

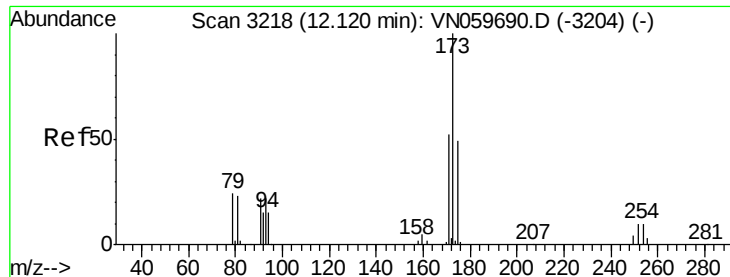
Tgt Ion:106 Resp: 78034
Ion Ratio Lower Upper
106 100
91 212.5 110.3 330.9



#70
Styrene
Concen: 20.741 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion:104 Resp: 129983
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 55.5 43.9 65.9

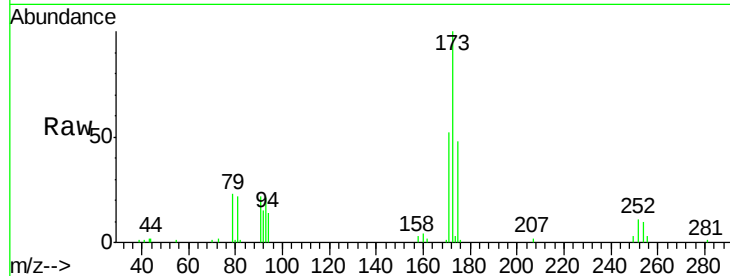




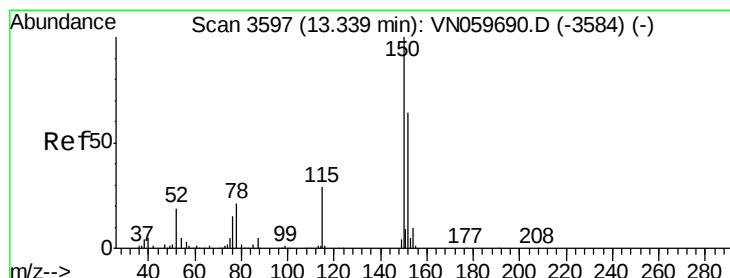
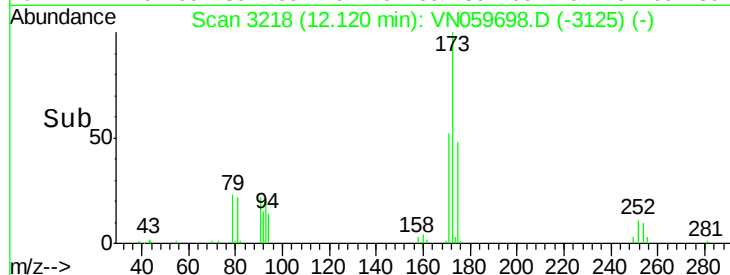
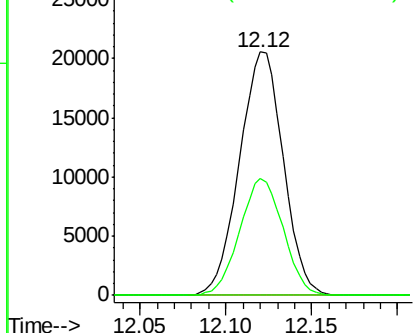
#71
Bromoform
Concen: 20.998 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

Tgt Ion:173 Resp: 36256
Ion Ratio Lower Upper
173 100
175 47.6 23.8 71.4
254 0.0 0.0 0.0

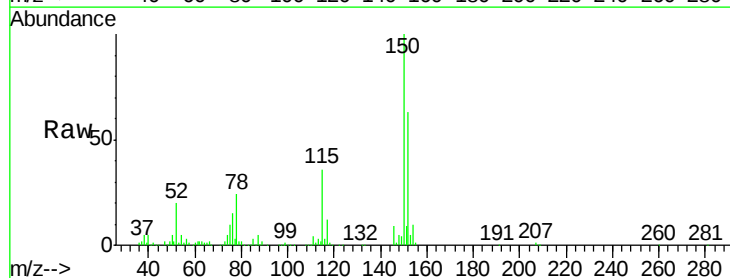


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

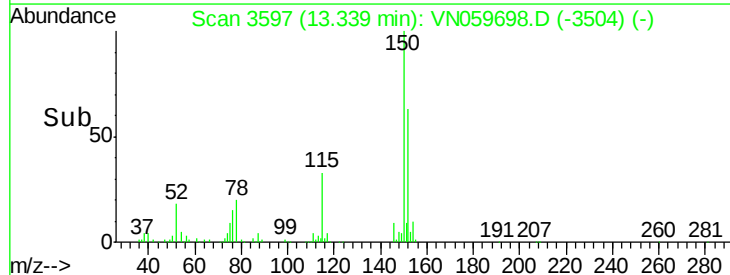
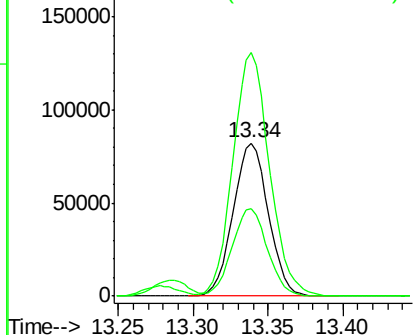


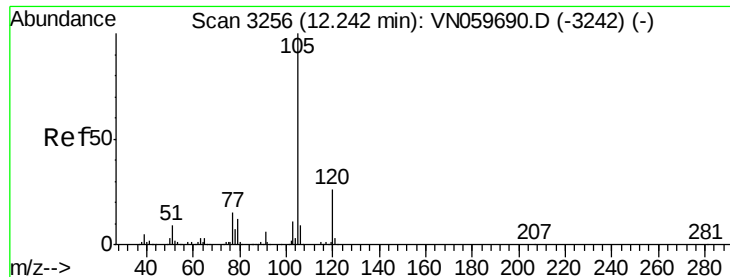
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion:152 Resp: 134446
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 165.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 21.299 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

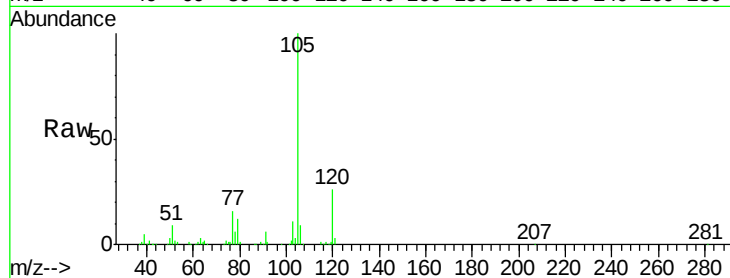
VN0114WBS01

Tgt Ion: 105 Resp: 210012

Ion Ratio Lower Upper

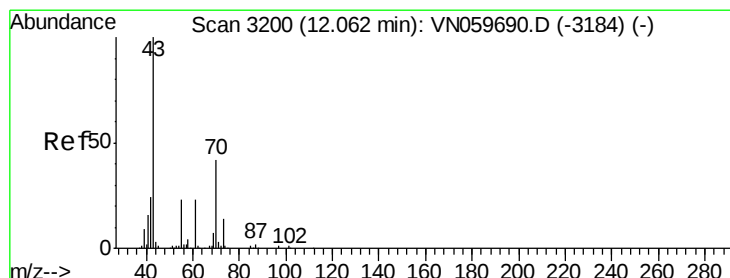
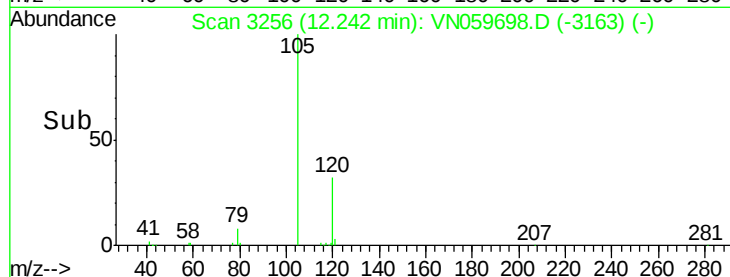
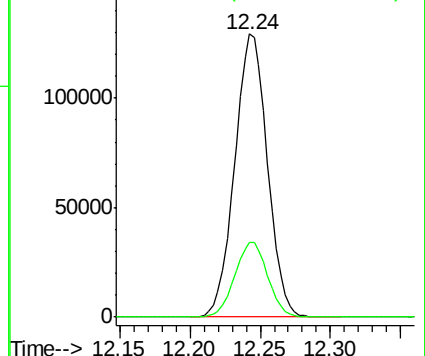
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.668 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Tgt Ion: 43 Resp: 79076

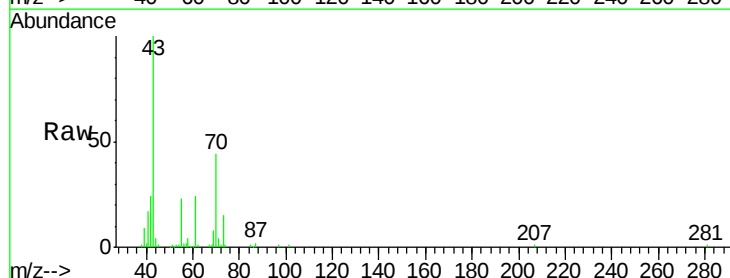
Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 23.6 19.8 29.6

61 24.2 18.3 27.5

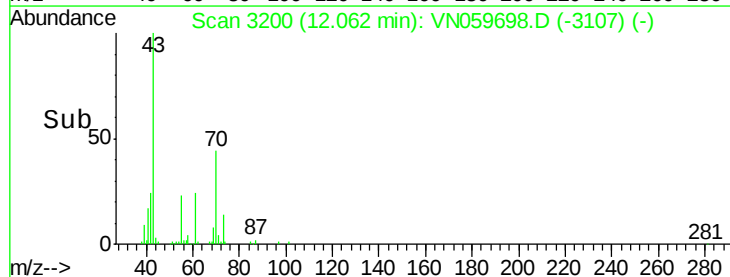
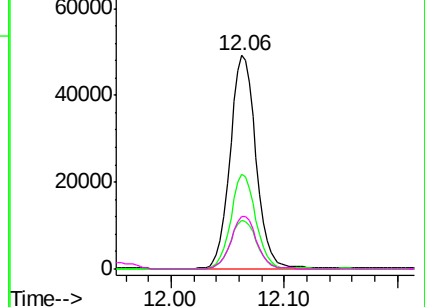


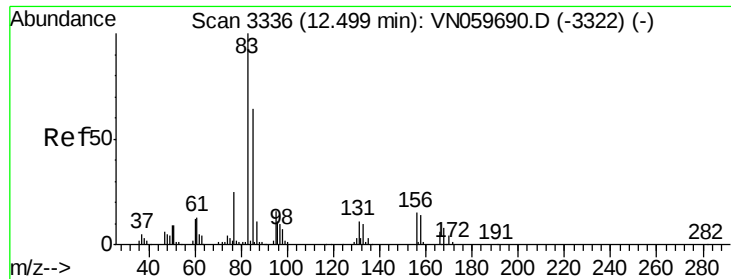
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: 21.526 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

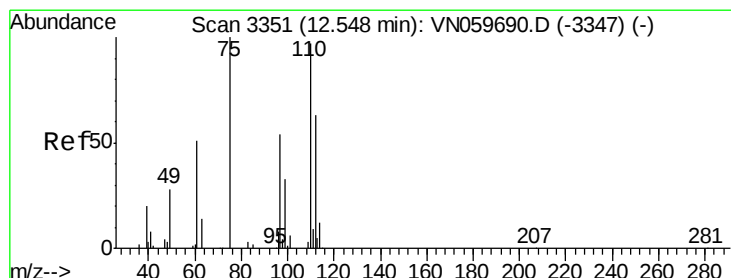
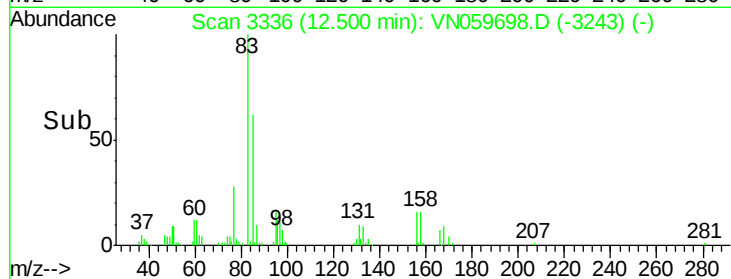
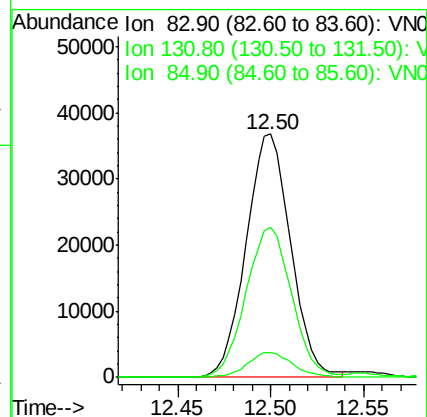
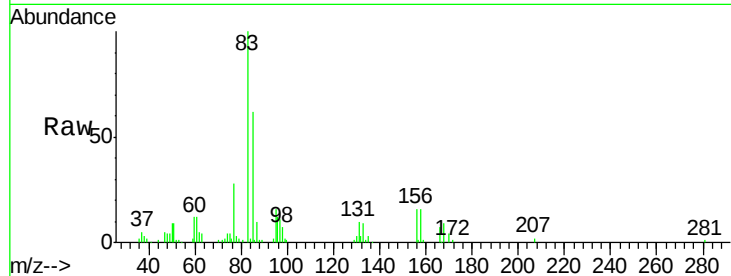
Tgt Ion: 83 Resp: 61532

Ion Ratio Lower Upper

83 100

131 10.3 5.0 14.9

85 63.1 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 35.375 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059698.D

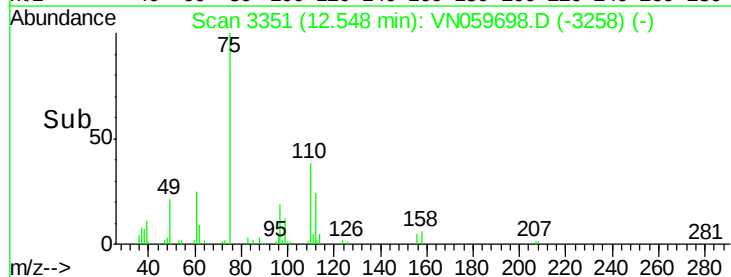
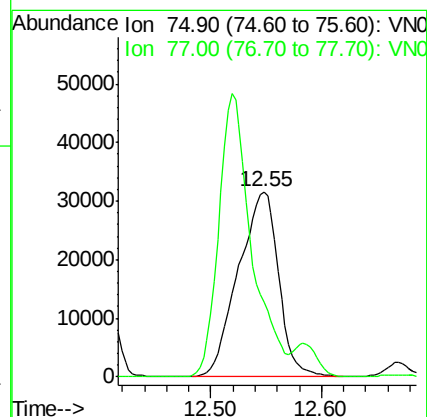
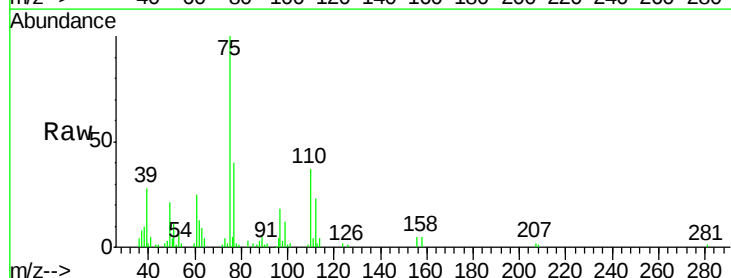
Acq: 14 Jan 2020 10:56

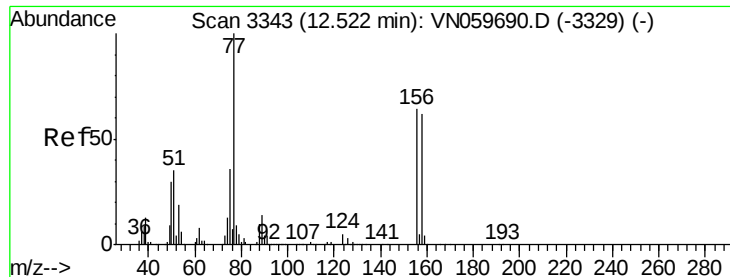
Tgt Ion: 75 Resp: 80040

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.193 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

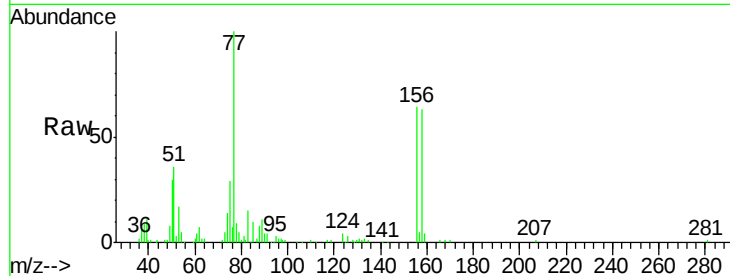
Tgt Ion:156 Resp: 52918

Ion Ratio Lower Upper

156 100

77 188.8 115.8 347.4

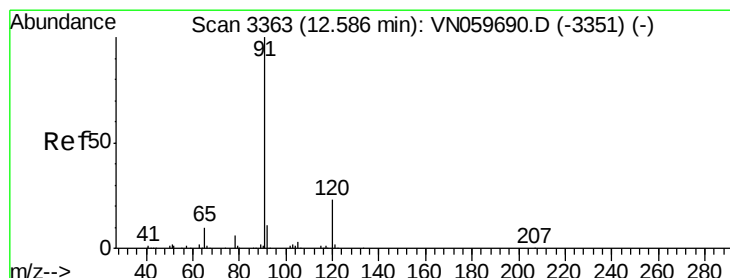
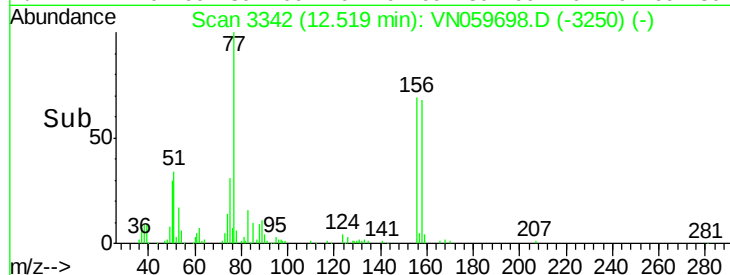
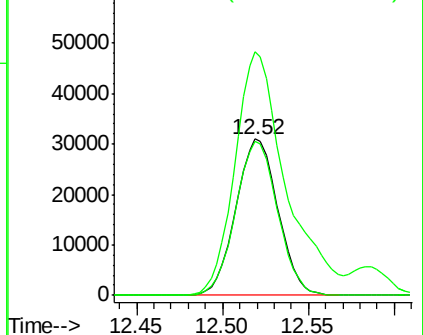
158 98.3 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.893 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059698.D

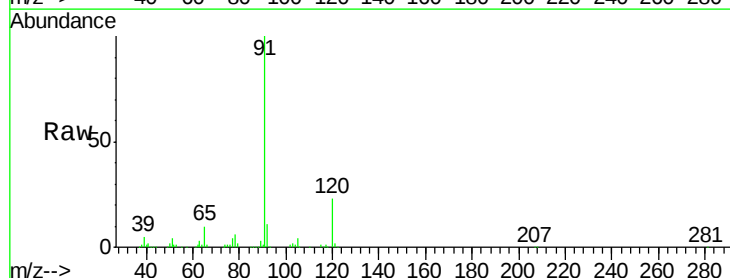
Acq: 14 Jan 2020 10:56

Tgt Ion: 91 Resp: 231220

Ion Ratio Lower Upper

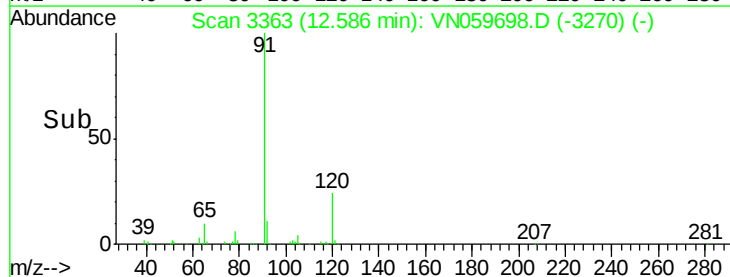
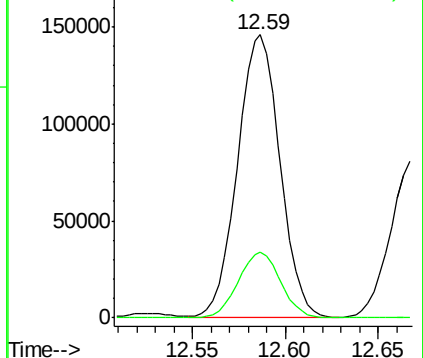
91 100

120 23.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.714 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

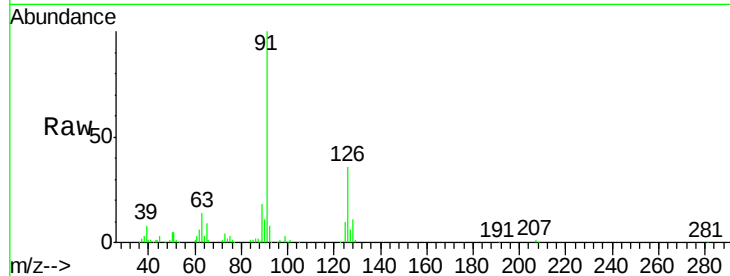
VN0114WBS01

Tgt Ion: 91 Resp: 136380

Ion Ratio Lower Upper

91 100

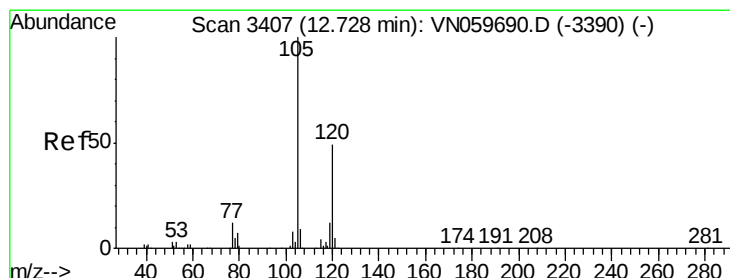
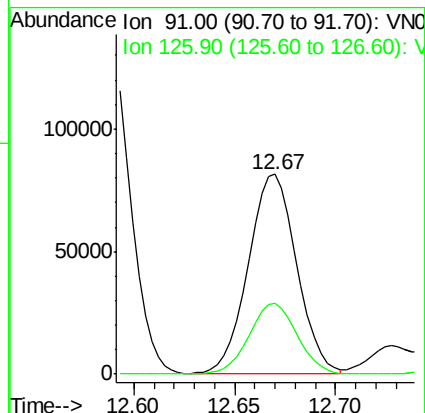
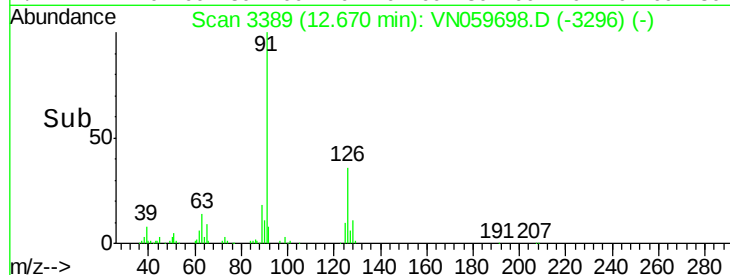
126 35.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059698.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059698.D (-3376) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.413 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059698.D

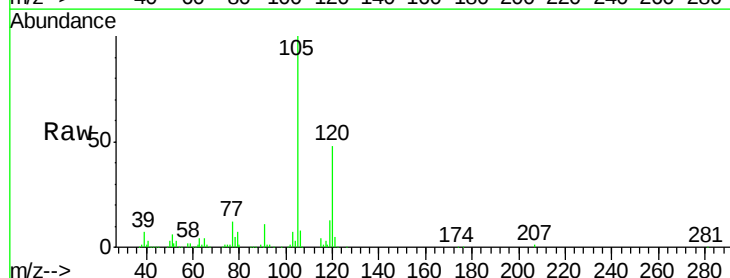
Acq: 14 Jan 2020 10:56

Tgt Ion: 105 Resp: 177566

Ion Ratio Lower Upper

105 100

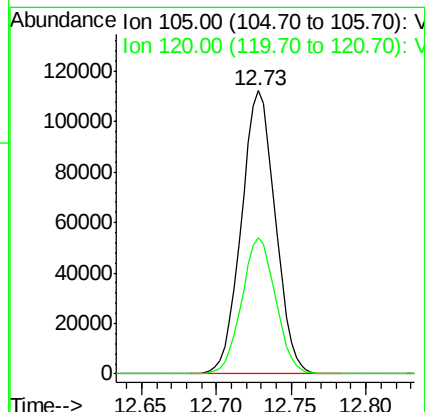
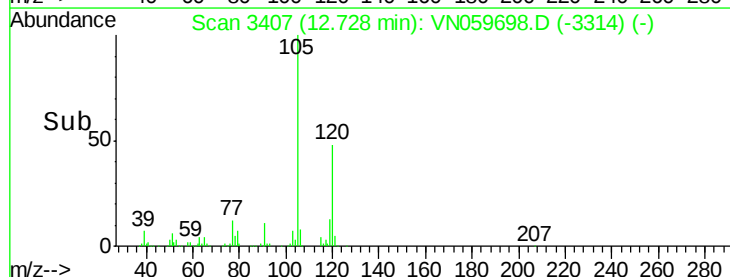
120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059698.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059698.D (-3390) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.523 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

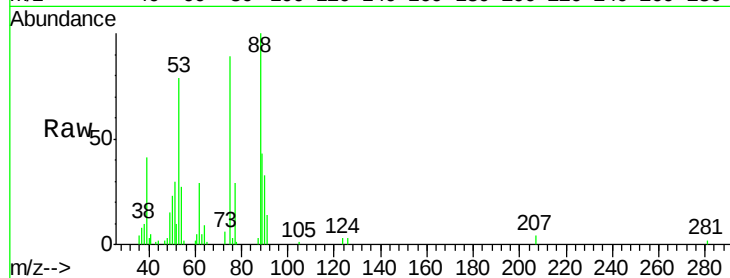
Tgt Ion: 75 Resp: 21623

Ion Ratio Lower Upper

75 100

53 88.8 78.1 117.1

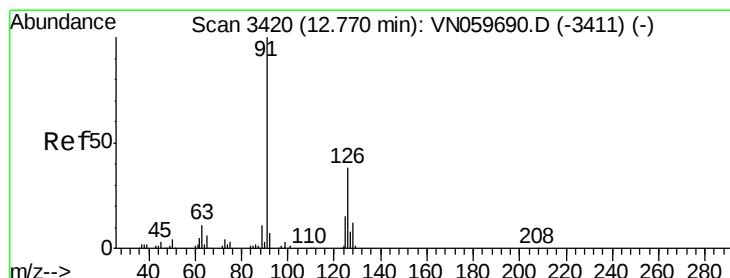
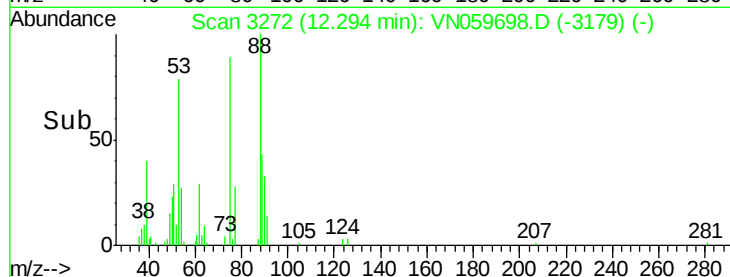
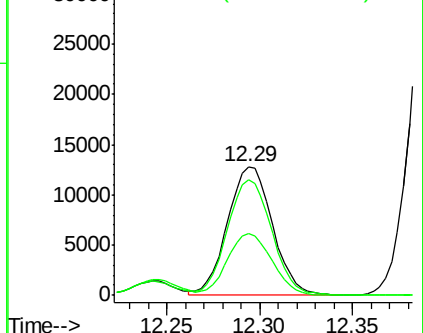
89 47.8 35.4 53.2



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: 21.008 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059698.D

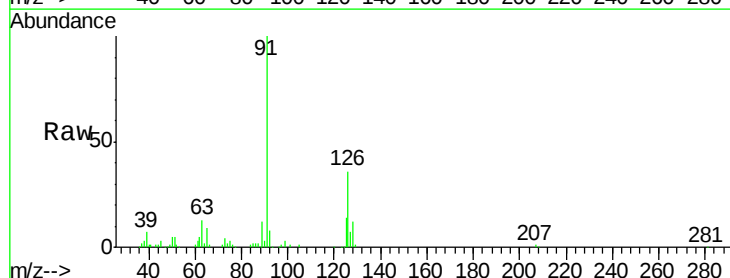
Acq: 14 Jan 2020 10:56

Tgt Ion: 91 Resp: 138730

Ion Ratio Lower Upper

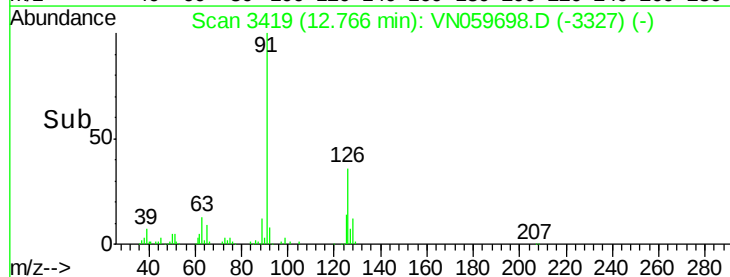
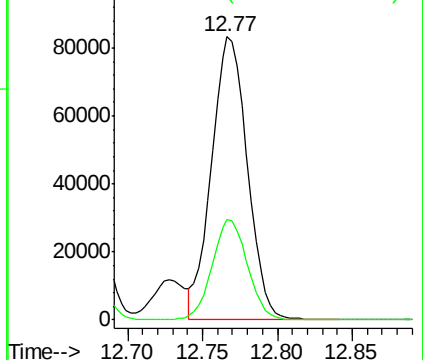
91 100

126 34.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

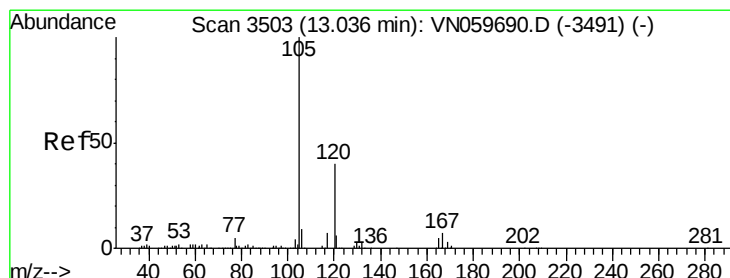
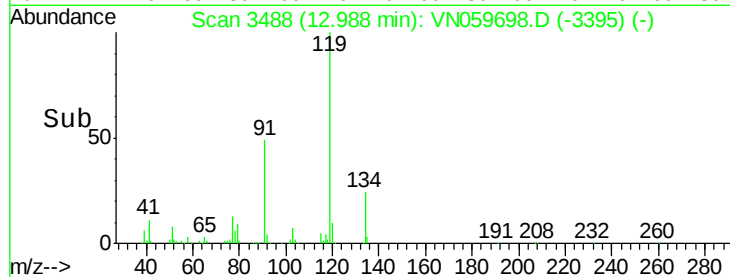
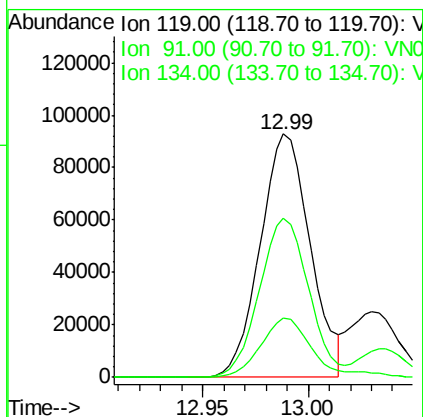
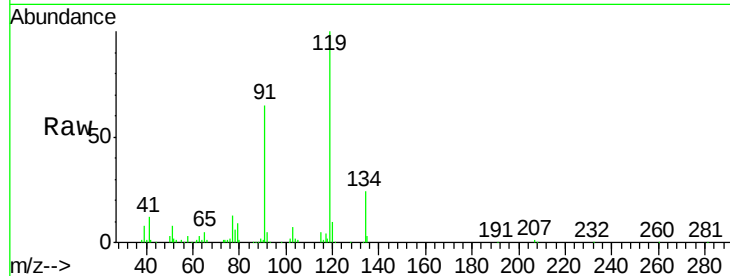




#83
 tert-Butylbenzene
 Concen: 21.359 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

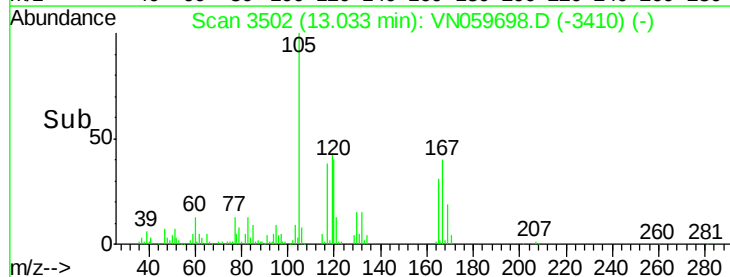
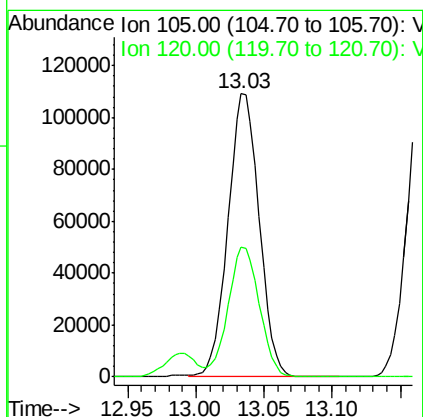
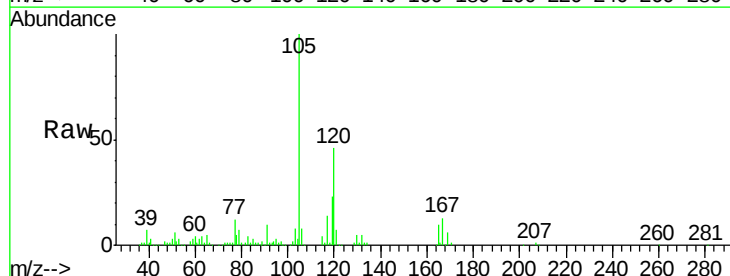
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Tgt Ion:119 Resp: 153187
 Ion Ratio Lower Upper
 119 100
 91 64.6 34.8 104.4
 134 25.5 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.141 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion:105 Resp: 173440
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.9

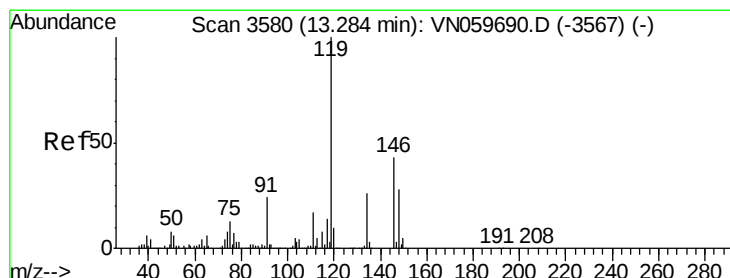
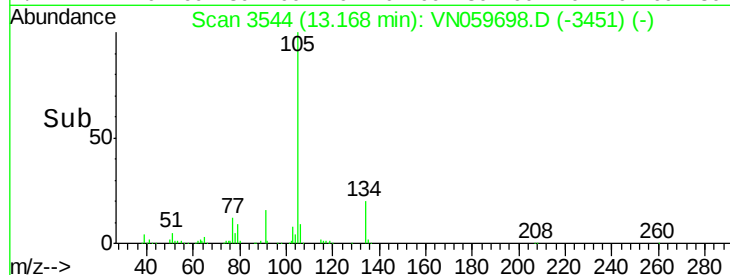
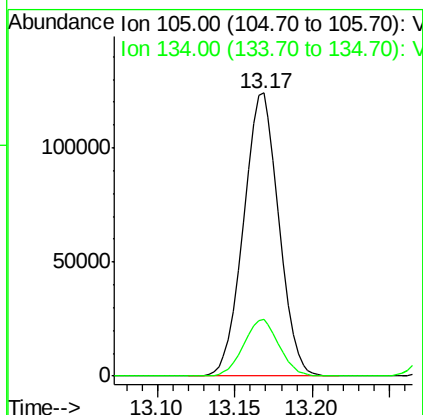
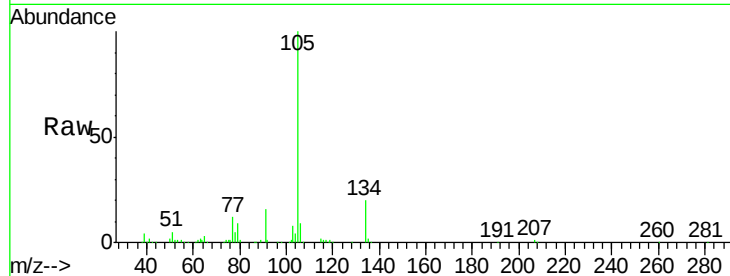




#85
 sec-Butylbenzene
 Concen: 20.897 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

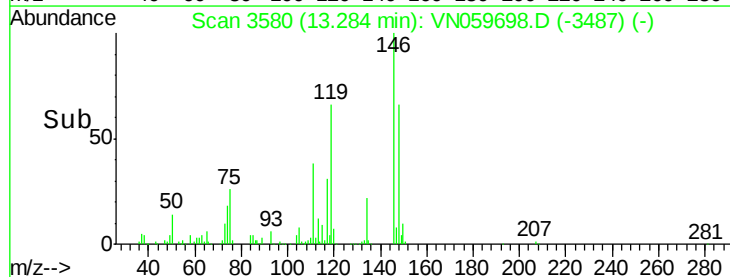
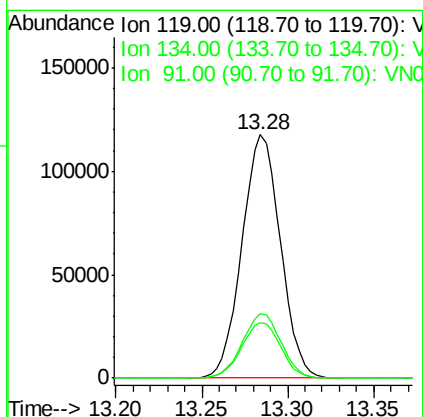
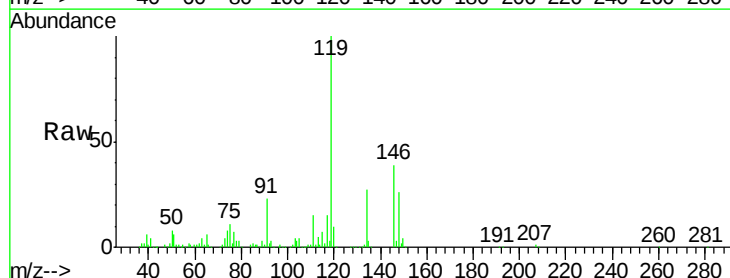
Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBS01

Tgt Ion:105 Resp: 196904
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.940 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion:119 Resp: 182571
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 23.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.854 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

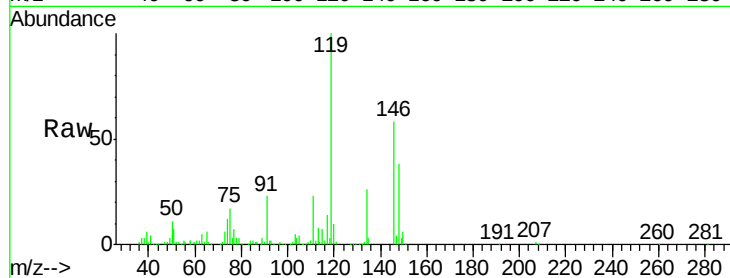
Tgt Ion:146 Resp: 90453

Ion Ratio Lower Upper

146 100

111 39.1 20.8 62.2

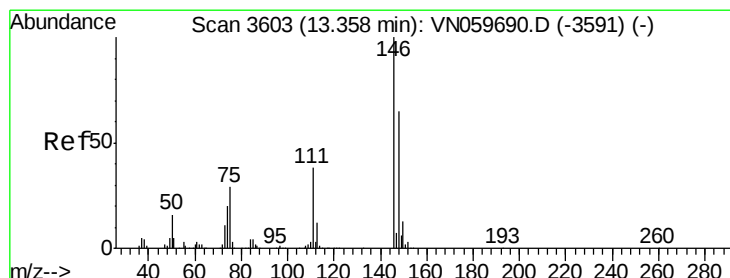
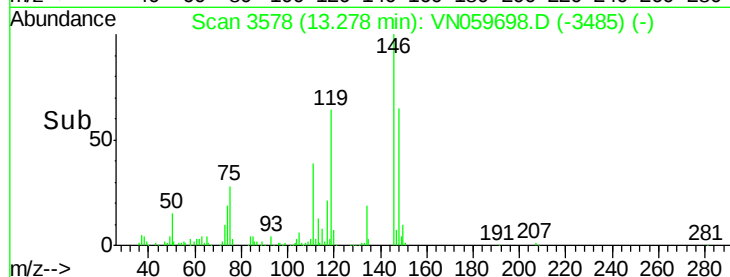
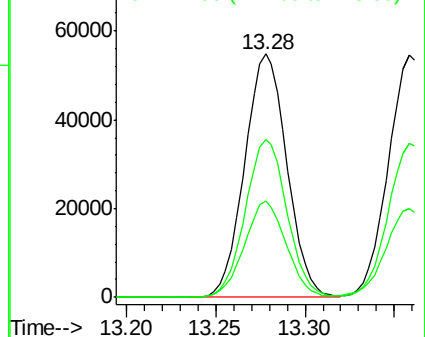
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.161 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

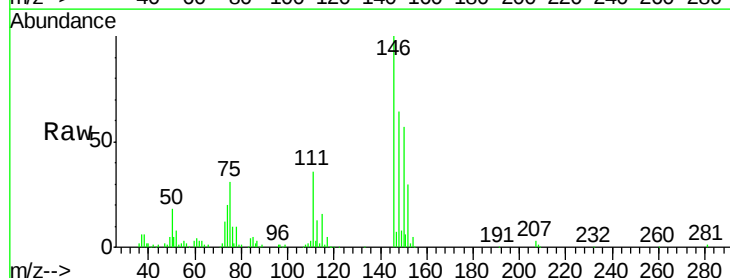
Tgt Ion:146 Resp: 91564

Ion Ratio Lower Upper

146 100

111 38.0 20.8 62.2

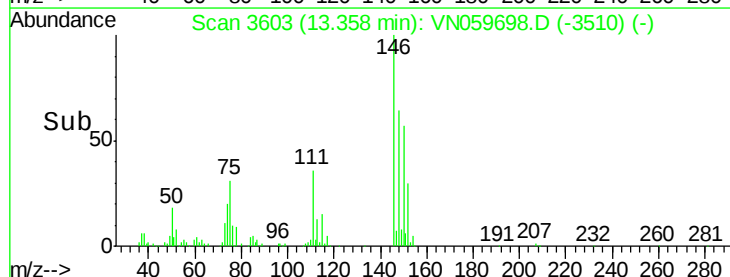
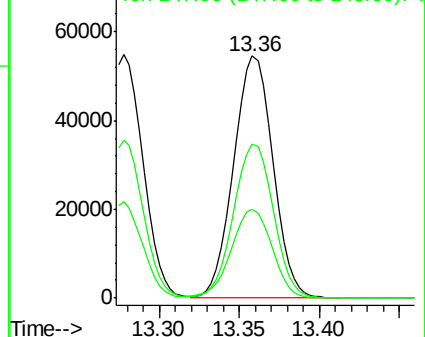
148 64.5 31.8 95.4

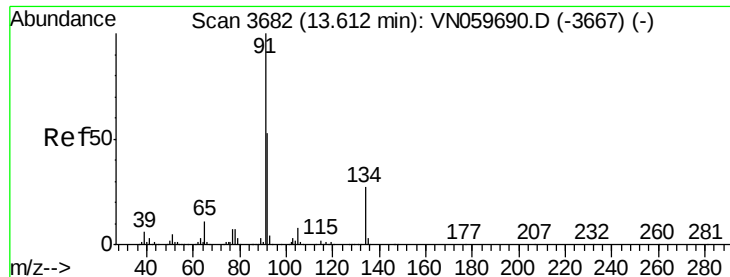


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

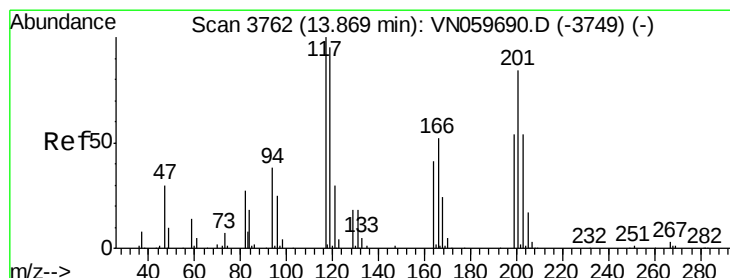
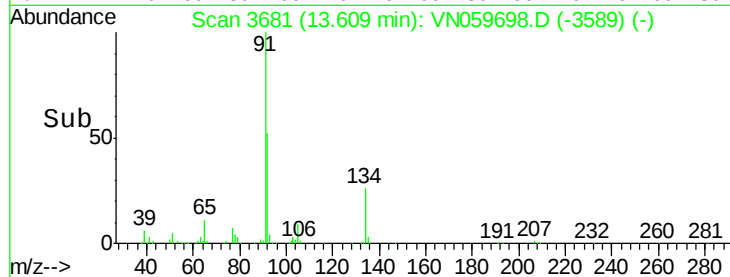
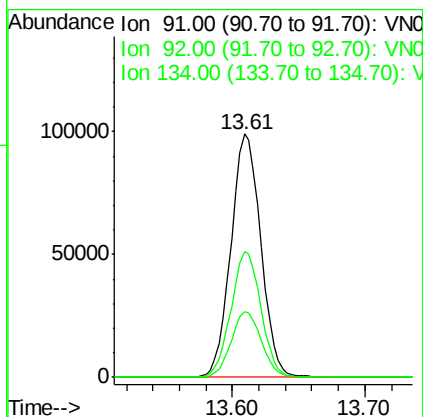
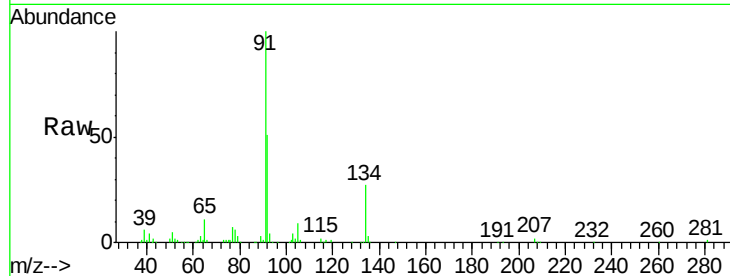




#89
n-Butylbenzene
Concen: 20.891 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

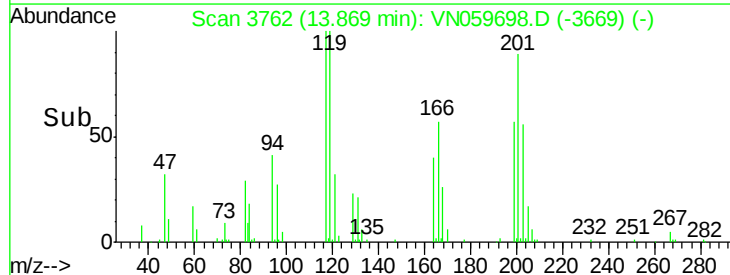
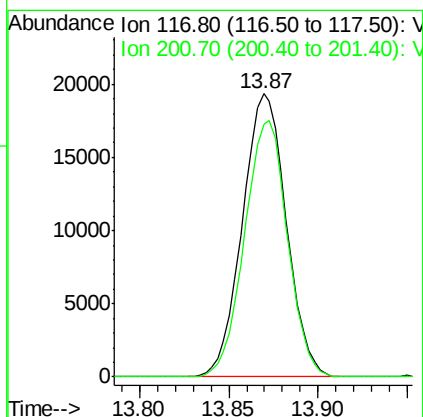
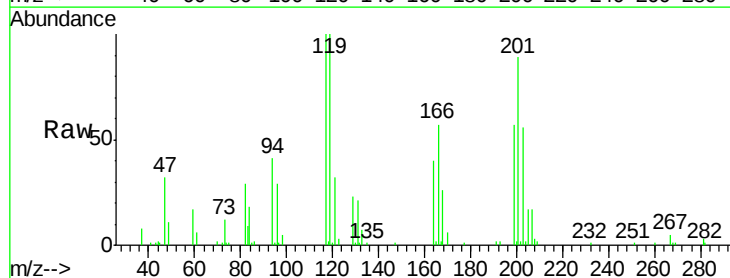
Instrument :
MSVOA_N
ClientSampled :
VN0114WBS01

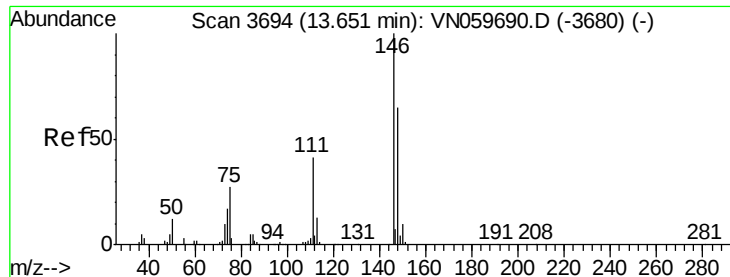
Tgt Ion: 91 Resp: 155306
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.7
134 27.4 12.3 36.8



#90
Hexachloroethane
Concen: 20.343 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion: 117 Resp: 33185
Ion Ratio Lower Upper
117 100
201 88.4 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 21.137 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBS01

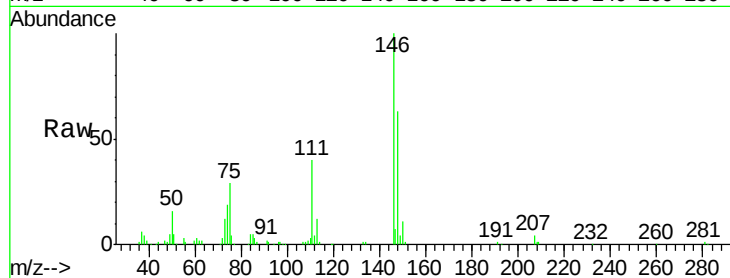
Tgt Ion:146 Resp: 90634

Ion Ratio Lower Upper

146 100

111 39.6 21.6 64.8

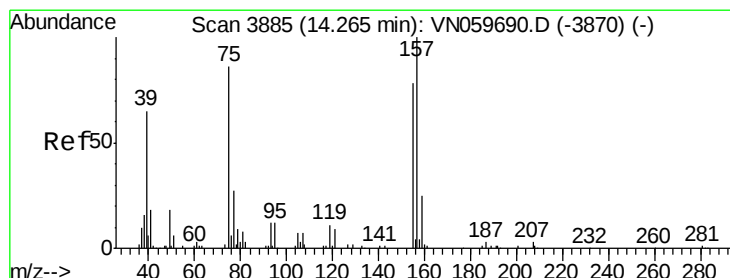
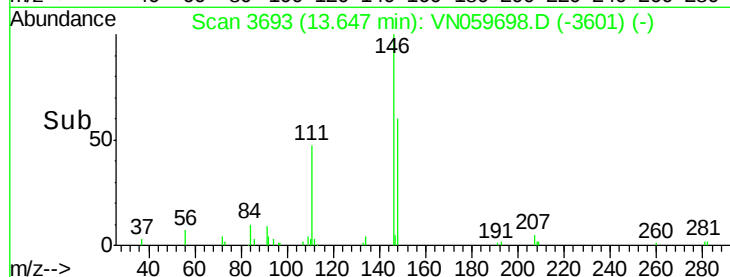
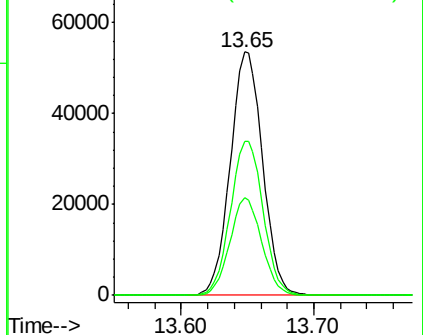
148 63.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.431 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059698.D

Acq: 14 Jan 2020 10:56

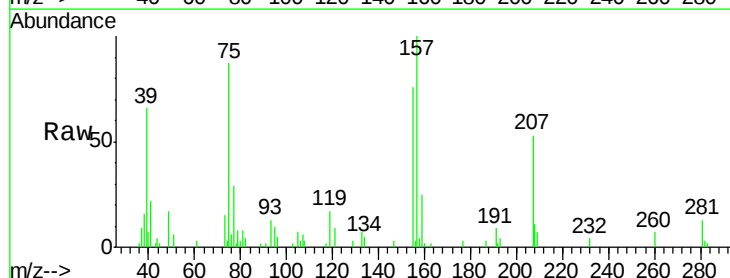
Tgt Ion: 75 Resp: 13881

Ion Ratio Lower Upper

75 100

155 85.6 37.0 110.9

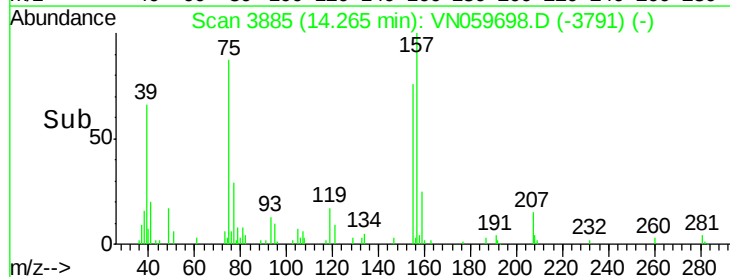
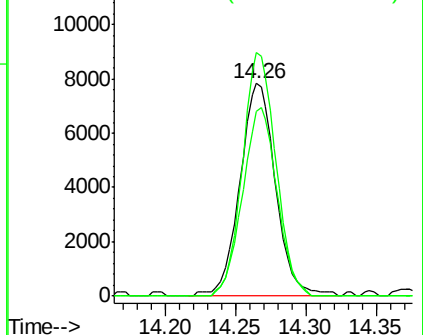
157 107.2 48.4 145.2



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

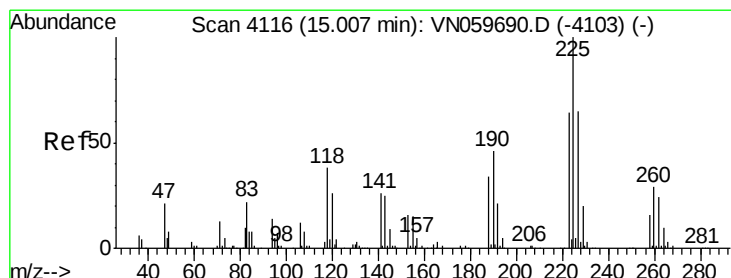
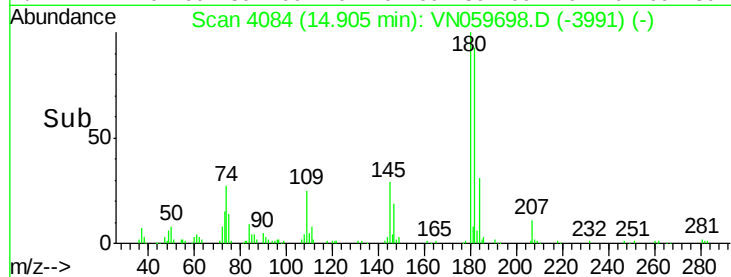
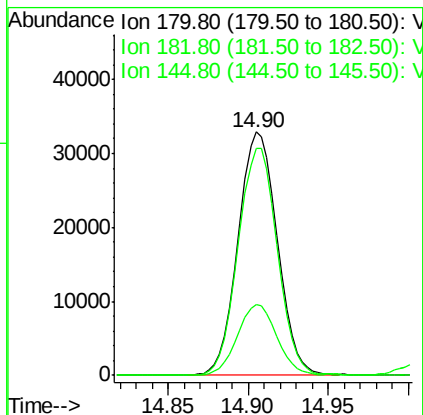
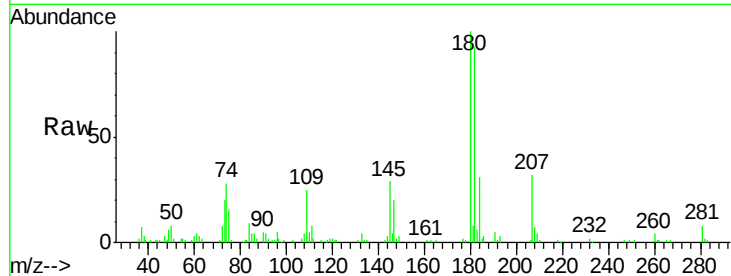




#93
 1,2,4-Trichlorobenzene
 Concen: 21.354 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

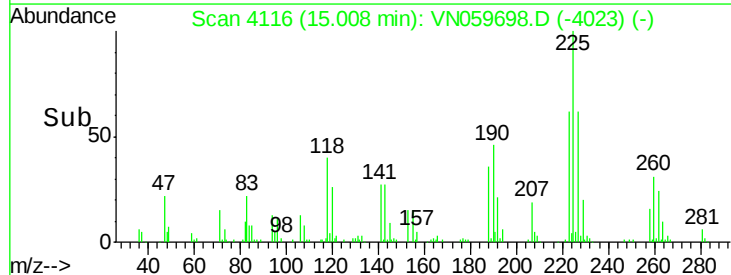
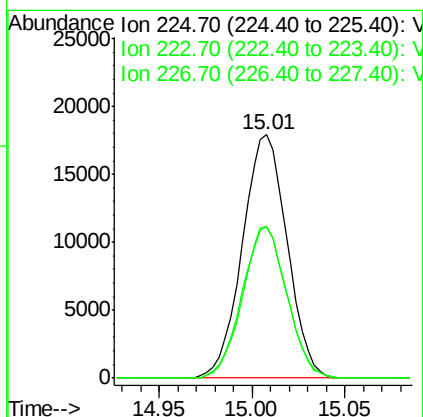
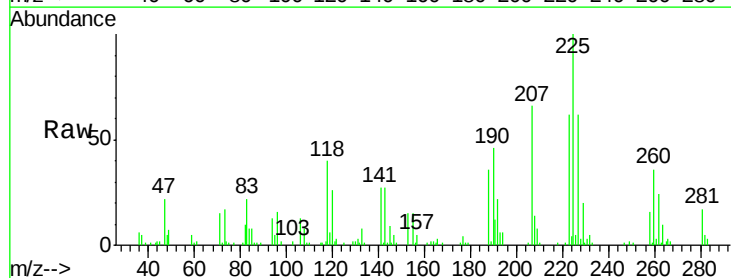
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Tgt Ion:180 Resp: 55019
 Ion Ratio Lower Upper
 180 100
 182 93.6 46.9 140.7
 145 29.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 21.093 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059698.D
 Acq: 14 Jan 2020 10:56

Tgt Ion:225 Resp: 29949
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.8 95.3
 227 61.6 32.1 96.5

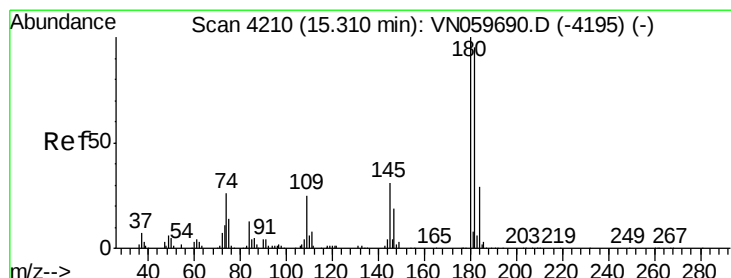
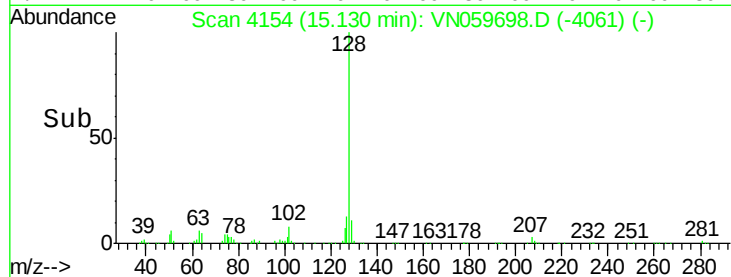
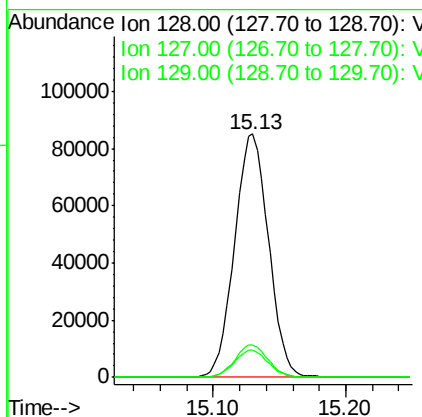
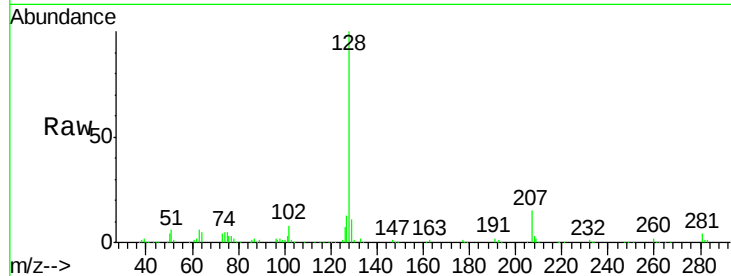




#95
Naphthalene
Concen: 20.693 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBS01

Tgt Ion:128 Resp: 151655
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.862 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059698.D
Acq: 14 Jan 2020 10:56

Tgt Ion:180 Resp: 52321
Ion Ratio Lower Upper
180 100
182 95.8 47.4 142.3
145 32.6 16.3 48.9

